PJ4911-1
Fire Prevention
In: 06/15/2021
Out: 06/25/2021

STEAMBOAT SKI & RESORT CORPORATION

Steamboat Base Village Redevelopment

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

BP4D - GONDOLA SQ. INTERIORS BLDG. A, C, AND F - ISSUE FOR PERMIT AND CONSTRUCTION

2021.05.21

ATMOS ENERGY CORPORATION
2# Systems will not be allowed unless proof of an appliance requiring a MINUMUM of over 7" W.C. is provided to Atmos Energy Corporation personnel for review.
Meter location must be approved by an Atmos Energy Corporation employee during a mandatory site visit to be scheduled after foundation is in place.
Meters will not be allowed under a shedding roofline or where overhanging snow is a danger to the meter set.

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△ Date	Description
--- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
203617
LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
COVER

Scale
NOT TO SCALE

1B-G0.000

5/21/2021 8:53:09 AM BIM 360://003.7835.000 - Steamboat Redev/03.7835.000_Interiors_SBR_GSQ_V2021.rvt

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DE1.105	LIGHTING DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04	---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION
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5				
GRAND TOTAL: 87				

ELECT, LIGHTING & FIRE ALARM DEMO GENERAL NOTES

1. WHERE CEILINGS ARE BEING REMOVED, REMOVE ALL NORMAL AND EMERGENCY LIGHT FIXTURES, FIRE ALARM DEVICES, AND EXIT SIGNS. ALL ASSOCIATED CONDUIT AND POWER/CONTROL WIRING SHALL ALSO BE DEMOLISHED.
2. WHERE WALLS ARE BEING DEMOLISHED, REMOVE FIRE ALARM AND ELECTRICAL DEVICES. DEVICES AND ASSOCIATED BACKBOXES, CONDUIT, AND WIRE SHALL BE COMPLETELY REMOVED AS OUTLINED BELOW: A) ALL EXISTING CIRCUITS SHALL BE TRACED PRIOR TO DEMOLITION SO THEY CAN BE REFED FROM THE ELECTRICAL DISTRIBUTION SYSTEM. PROVIDE CIRCUIT TRACING INFORMATION TO ENGINEER FOR USE WITH DEVELOPMENT OF CONTRACT DOCUMENTS. B) CIRCUITS THAT ARE ENTIRELY DEMOLISHED SHALL BE DEMOLISHED ALL THE WAY BACK TO THE PANEL. C) CIRCUITS THAT ARE PARTIALLY DEMOLISHED SHALL BE DEMOLISHED ALL THE WAY BACK TO THE COMMON JUNCTION BOX WHERE THE PORTION OF THE CIRCUIT THAT IS TO REMAIN CAN BE EXTENDED FOR FUTURE REFEED. D) WHERE CONDUIT AND POWER/CONTROL WIRING IS INSTALLED IN A WALL THAT IS BEING DEMOLISHED THAT IS ASSOCIATED WITH A DEVICE TO REMAIN, REROUTE ACCORDINGLY TO ALLOW FOR FUTURE INTERCEPT AND EXTENSION OF CIRCUIT.
3. WHERE WALLS ARE BEING DEMOLISHED THAT CONTAIN ELECTRICAL PANELS WITHIN OR ON THEM, DEMOLISH ELECTRICAL PANEL AND BRANCH CIRCUIT TO ABOVE CEILING OR ABOVE PANEL. PROVIDE JUNCTION BOX OR PULL BOX AT LOCATION ABOVE PANEL WHERE CIRCUITS ARE DEMOLISHED TO. CIRCUITS WILL BE INTERCEPTED AND EXTENDED AT THIS LOCATION TO NEW PANEL LOCATION. PANEL LOCATIONS WILL BE DETERMINED DURING DESIGN. CERTAIN PANELS MAY HAVE THE ENTIRE BRANCH CIRCUITING INSTALLATION DEMOLISHED (I.E. KITCHEN PANELS).
4 EXISTING LIGHTING CONTROLS DEVICES SHALL BE DEMOLISHED FOR LIGHT FIXTURE ZONES/CIRCUITS BEING DEMOLISHED. DEMOLISH DEVICES AND ASSOCIATED CONTROL WIRING AS REQUIRED. WHERE PATHWAYS ARE INSTALLED WITHIN WALLS TO REMAIN, PATHWAYS CAN BE REUSED IF IN EMT CONDUIT AND CONDUIT IS IN A REUSABLE CONDITION.
5. ELECTRICAL INFRASTRUCTURE IS CALLED OUT TO BE DEMOLISHED OUTSIDE THE LIMITS OF THIS RENOVATION SCOPE TO SERVE EXISTING AND NEW ELECTRICAL LOADS. SURVEY PATHWAYS FOR REUSE AND PROVIDE INSULATION TESTING FOR ALL FEEDERS BETWEEN EQUIPMENT BEING DEMOLISHED. REFER TO ME SHERATON DUE DILIGENCE REPORT FOR EQUIPMENT IN QUESTION.
6. FIRE ALARM PANEL LOCATED IN JANITORS CLOSET SHALL BE MAINTAINED. POWER SHALL BE MAINTAINED TO THIS PANEL TO ENSURE FUNCTION OF FIRE ALARM SYSTEM IN SPACES NOT INCLUDED IN THIS RENOVATION SCOPE SERVED FROM THIS PANEL. EXISTING FIRE ALARM CIRCUITS SHALL BE DEMOLISHED BACK TO THE NEXT UPSTREAM DEVICES FOR ALL DEVICES THAT ARE DEMOLISHED ALONG WITH WALLS AND CEILINGS. NEW CIRCUITS AND EXTENSIONS TO EXISTING CIRCUITS WILL BE UTILIZED TO FEED THE FIRE ALARM NAC/SLC CIRCUITS TO DEVICES THROUGHOUT THE NEW AND EXISTING SPACES.
7. EXISTING CIRCUITS TO MECHANICAL EQUIPMENT SHALL BE LEFT OPERATIONS DURING THE DEMOLITION AND CONSTRUCTION PHASE OF THIS PROJECT. PROTECT FEEDER CONDUITS AS REQUIRED FOR MAINTAINED OPERATION OF THIS EQUIPMENT.
8. DEMOLISH ALL ELECTRICAL INFRASTRUCTURE ASSOCIATED WITH MECHANICAL OR PLUMBING EQUIPMENT THAT IS CALLED OUT FOR DEMOLITION. EQUIPMENT NOT COLLAGED OUT FOR DEMOLITION SHALL MAINTAIN ELECTRICAL INFRASTRUCTURE.
9. WHERE ELECTRICAL INFRASTRUCTURE REPLACEMENTS OCCUR SERVING MECHANICAL EQUIPMENT INTENDED TO REMAIN IN PLACE, PROVIDE NOTICE TO OWNER FOR PLANNED DOWNTIME WHILE ELECTRICAL WORK IS BEING PERFORMED TO REFEED THE EQUIPMENT IN QUESTION.
10. WHEREVER ELECTRICAL MATERIALS HAVE BEEN REMOVED FROM SURFACES OF THE BUILDING OR STRUCTURE, THOSE SURFACES SHALL BE PATCHED AND REPAIRED.
11. ALL HAZARD WASTE SHALL BE PROPERLY DISPOSED OF BY A LICENSED HAZARD WASTE DISPOSAL FACILITY, ITEMS SHALL INCLUDE BUT ARE NOT LIMITED TO FLUORESCENT LAMPS, SMOKE DETECTORS, ETC.

TECHNOLOGY DEMO GENERAL NOTES

1. EXISTING CABLING SERVICING AREAS OUTSIDE OF THE AREA OF DEMO MAY TRAVERSE THROUGH/ABOVE AREAS OF DEMO. CABLING NOT DIRECTLY ASSOCIATED WITH DEVICES WITHIN THE DEMO AREA, SHALL BE PROTECTED AND TRACED TO DETERMINE ORIGIN AND USE. ANY CABLING DAMAGED OR REMOVED THAT SERVICES DEVICES OUTSIDE OF THE DEMO AREA (ABOVE/BELOW/BEYOND) SHALL BE REPLACED IN FULL AT NO COST TO THE OWNER.
2. WHERE CEILINGS ARE BEING REMOVED, REMOVE CEILING MOUNTED ACCESS POINTS, SECURITY CAMERAS, MOTION SENSORS, SPEAKERS AND TVS. ALL ASSOCIATED CONDUIT AND WIRING SHALL ALSO BE DEMOLISHED.
3. WHERE WALLS ARE BEING DEMOLISHED, REMOVE TELECOMMUNICATIONS AND TV AND SECURITY DEVICES, DEVICES AND ASSOCIATED BACKBOXES, CONDUIT, AND WIRE SHALL BE COMPLETELY REMOVED AS OUTLINED HEREIN.
4. WHERE CONDUIT AND TELECOM/SECURITY/TV WIRING IS INSTALLED IN A WALL THAT IS TO REMAIN, REMOVE ALL CABLING. WHERE PATHWAYS ARE INSTALLED WITHIN WALLS TO REMAIN, REMOVE ALL CABLING. WHERE PATHWAYS ARE INSTALLED WITHIN WALLS TO REMAIN, PATHWAYS CAN BE REUSED IF IN EMT CONDUIT AND CONDUIT IS IN A REUSABLE CONDITION.

MECHANICAL & PLUMBING DEMO GENERAL NOTES

1. WHERE CEILINGS ARE REMOVED, REMOVE EXISTING SUPPLY DIFFUSERS, RETURN GRILLES, AND FLEXIBLE DUCTWORK BACK TO NEAREST SHEET METAL CONNECTION. SHEET METAL TO REMAIN FOR RE-USE.
2. EXISTING HYDRONIC HEATING AND COOLING SHALL REMAIN OPERATIONAL DURING PROJECT DEMOLITION. WHERE HYDRONIC PIPING IS DISTURBED AS PART OF DEMOLITION, RECONNECT PIPING TEMPORARILY SO THAT SYSTEMS MAY REMAIN OPERATIONAL.
3. EXISTING AIR HANDLING UNITS SERVING THE PROJECT AREA ARE LOCATED IN THE UPPER LEVEL FAN ROOM. AIR HANDLING UNITS SHALL REMAIN OPERATIONAL DURING PROJECT DEMOLITION. PROVIDE CONSTRUCTION FILTERS AT EACH RETURN AIR INLET.
4. EXISTING MISCELLANEOUS HEATING SYSTEMS INCLUDING CABINET HEATERS, FIN TUBE, ETC. SHALL REMAIN OPERATIONAL DURING PROJECT DEMOLITION.
5. THE BUILDING INCLUDES A PNEUMATIC CONTROL SYSTEM. WHERE EXISTING THERMOSTATS ARE LOCATED ON WALLS THAT ARE TO BE REMOVED, CUT PNEUMATIC TUBING ABOVE CEILING AND TEMPORARILY RE-INSTALL THERMOSTAT IN CEILING SPACE FOR REUSE.

PLUMBING DEMO GENERAL NOTES

1 AS PART OF PLUMBING DEMOLITION SCOPE OF WORK, COMPLETELY REMOVE ALL TOILET ROOM PLUMBING FIXTURES AND ASSOCIATED CARRIERS IN MAIN WOMEN'S AND MEN'S TOILET ROOMS (LOCATED BETWEEN COLUMN LINES P.5 & R.5 AND 24.7 & 28) INCLUDING LAVATORIES, URINALS, AND WATER CLOSETS. CAP PIPING IN WET WALL FOR REUSE.
2. EXISTING COMMERCIAL DISHWASHER (LOCATED BETWEEN 34 & 36 AND R.5 & P) SHALL BE REMOVED. CAP DOMESTIC WATER FOR FUTURE REUSE.
3. EXISTING KITCHEN SINK AND PREP TABLE (LOCATED BETWEEN 37 & 37.5 AND R.5 & P) SHALL BE REMOVED. CAP DOMESTIC WATER FOR FUTURE REUSE.
4. EXISTING LOBBY BAR (BETWEEN K & J AND 26 & 27) SHALL BE REMOVED. REMOVE ALL EQUIPMENT SINKS, INSTANTANEOUS WATER HEATERS, AND DOMESTIC HOT/COL PIPING. CAP DOMESTIC WATER PIPING FOR REUSE.
5. EXISTING FLOOR SINKS IN KITCHEN AND BAR AREAS SHALL BE EXISTING TO REMAIN.
6. EXISTING DOMESTIC WATER AND STORM PIPING WITHIN THE BALLROOM AREA SHALL BE EXISTING TO REMAIN.
7. EXISTING EXTERIOR HOSE BIBB AT SOUTH EXTERIOR WALL SHALL BE EXISTING TO REMAIN.

FIRE PROTECTION GENERAL NOTES

1. AREAS WITH DEMOLITION SCOPE ARE PROVIDED WITH A WET FIRE PROTECTION SPRINKLER SYSTEM WITH SUSPENDED HEADS. WHERE CEILINGS ARE REMOVED, FIRE PROTECTION HEADS SHALL BE REPLACED WITH UPRIGHT HEADS IN ACCORDANCE WITH NFPA 13.

POWER & COMMUNICATION GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.
B. REFER TO 'G' SERIES DRAWINGS FOR SCHEDULES, LEGENDS, SYMBOLS, ABBREVIATIONS, AND TYPICAL MOUNTING HEIGHTS APPLICABLE TO THIS PLAN.
C. RE: ELECTRICAL DRAWINGS FOR MORE INFORMATION REGARDING POWER DEVICES, AND RE: TECHNOLOGY DRAWINGS FOR MORE INFORMATION REGARDING DATA AND A/V DEVICES.
D. REFER TO SHEET G0.800 FOR FIRESAFING DETAILS AT FLOOR CORES.
E. ARCHITECTURAL DRAWINGS GOVERN WHERE DEVICE MOUNTING HEIGHTS AND LOCATIONS DIFFER FROM ELECTRICAL AND TECHNOLOGY DRAWINGS.
F. FURNITURE IS SHOWN FOR REFERENCE ONLY. VERIFY WITH TENANT'S FURNITURE VENDOR FOR SPECIFIC INFORMATION REGARDING FURNITURE AND ITS EXACT LOCATION.
G. ALL NEW DATA/VOICE, ELECTRICAL, AND SWITCH FACE PLATES ARE TO BE WHITE, U.N.O. PROVIDE MATCHING COVER PLATES.
H. COORDINATE WITH A/V VENDOR FOR ALL POWER REQUIREMENTS FOR ALL COMPONENTS ASSOCIATED WITH THE A/V SYSTEM. ALL A/V EQUIPMENT IS PROVIDED AND INSTALLED BY TENANT'S A/V VENDOR, U.N.O. COORDINATE BLOCKING REQUIREMENTS, MOUNTING LOCATION, AND CONDUIT SIZES WITH A/V VENDOR PRIOR TO ROUGH-IN.
I. X-RAY SLAB PRIOR TO CORING. REVIEW FINDINGS AND LOCATIONS WITH OWNER AND TENANT'S FURNITURE VENDOR.
J. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF OUTLET/SWITCH, OR CLUSTER OF OUTLETS/SWITCHES, U.N.O.
K. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK-TO-BACK.
L. G.C. TO COORDINATE INSTALLATION OF TELECOMM, DATA, AND SECURITY SYSTEMS.
M. PROVIDE ONE-PIECE TYPE GANG COVER PLATES WHERE SWITCHES CAN BE GROUPED TOGETHER.
N. IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.
O. VERIFY EQUIPMENT SPECIFICATIONS, POWER, AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.
P. G.C. TO COORDINATE INSTALLATION OF ALL ELECTRICAL, POWER, AND LIGHTING SYSTEMS AND THEIR ASSOCIATED COMPONENTS WITH ARCHITECTURAL DETAILS, FINISHES, ETC. AND ALL OTHER TRADES.
Q. WHERE ELECTRICAL WORK IS SPECIFIED IN CONJUCTION WITH MILLWORK, THE WORK SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. CUTOUTS FOR SWITCHES AND DEVICES ARE TO BE PROVIDED BY MILLWORK CONTRACTOR AND COORDINATED BY G.C. WITH ARCHITECT.
R. VERIFY WITH ARCHITECT THE LOCATION OF PANELS, T-STATS, SWITCHES, ALARMS, OR ANY DEVICES EXPOSED TO VIEW AND NOT SHOWN ON THE ARCHITECTURAL DRAWINGS. INSTALLER SHALL SUBMIT CATALOG CUT SHEET OF DEVICES TO ARCHITECT FOR AESTHETIC REVIEW.
S. G.C. SHALL COORDINATE LOCATION OF WHIPS AND J-BOXES FOR ELECTRICAL SERVICE AT MILLWORK FOR TASK LIGHTING, EQUIPMENT, DEVICES, ETC WITH ALL OTHER TRADES, TYP. WHIPS MUST NOT BE EXPOSED TO VIEW OR HANG BELOW MILLWORK.

GENERAL NOTES

A. G.C. TO COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
B. G.C. TO OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
C. G.C. TO REVIEW DOCUMENTS, VERIFY DIMENSIONS, VERIFY FIELD CONDITIONS, AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
D. G.C. TO SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT FOR REVIEW PRIOR TO PURCHASE, FABRICATION, OR INSTALLATION.
E. G.C. TO COORDINATE WORK WITH THE LANDLORD AND OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
F. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. G.C. TO INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION
G. G.C. TO COORDINATE TELECOMMUNICATIONS, DATA, AND SECURITY SYSTEM INSTALLATIONS.
H. G.C. TO MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
I. G.C. TO MAINTAIN WORK AREAS AS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH TENANT AND LANDLORD TO ENSURE SECURITY.
J. G.C. TO PROVIDE ALL ACCESS PANELS REQUIRED FOR ALL JUNCTION BOXES, VALVES, CLEANOUTS, PLUGS, FILTERS, EQUIPMENT, AND ALL OTHER ITEMS REQUIRING SERVICE OR MAINTENANCE
K. G.C. TO PROTECT AREA OF WORK AND ADJACENT AREAS FROM DAMAGE. PATCH AND REPAIR SURFACES DAMAGED AS A RESULT OF WORK PERFORMED ON THIS PROJECT. PATCH & REPAIR EXISTING SURFACES AS REQ'D TO RECEIVE NEW FINISH.
L. G.C. SHALL NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT FOR CLARIFICATION.
M. G.C. TO PROVIDE CONCEALED BLOCKING AS REQUIRED FOR WORK BY OWNER'S OTHER CONTRACTORS. COORDINATE WITH OTHER CONTRACTORS FOR SIZE, TYPE, AND LOCATION OF REQUIRED BLOCKING. ALL IN-WALL AND IN-CEILING BLOCKING IS TO BE FIRE-RETARDANT-TREATED.
N. THE G.C. AND EACH TRADE IS RESPONSIBLE FOR REVIEWING AND COORDINATING ALL NEW WORK WITH EXISTING CONDITIONS AND ALL OTHER TRADES. NO FIELD WORK ORDERS WILL BE APPROVED FOR ANY CONDITIONS/CONFLICTS THAT COULD HAVE BEEN ACCOUNTED FOR BY THE BIDDER DURING BID FIELD INSPECTION OR THAT COULD HAVE BEEN COORDINATED WITH THE G.C. AND EACH TRADE AFTER AWARD OF CONTRACT.
O. TENANT ARCHITECTURAL DIMENSIONS AND DESIGN INTENT TAKE PRECENDENCE OVER MECHANICAL, ELECTRICAL, OR PLUMBING DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCY BEFORE PROCEEDING WITH CONSTRUCTION.
P. G.C. TO NOTIFY ARCHITECT IN WRITING OF CONFLICTS, DIMENSIONAL OR OTHER DISCREPANCIES PRIOR TO PROCEEDING WITH WORK OR AREAS AFFECTED.

FIRE PREVENTION NOTES

A. THIS PROJECT DOES NOT INCLUDE STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS OR HAZARDOUS SUBSTANCES.
B. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 75 FOOT TRAVEL DISTANCE FROM ALL PORTIONS OF THE BUILDING ON EACH FLOOR, WITHIN ELECTRICAL AND MECHANICAL ROOMS, AND ADDITIONAL EXTINGUISHERS AS REQUIRED BY GOVERNING AUTHORITIES. PROVIDE PORTABLE FIRE EXTINGUISHER COMAPATIBLE WITH AUTOMATIC FIRE EXSTINGUISHING SYSTEM AGENT AND IN ACORDANCE WITH SECTION 904.12.5 OF THE IFC, AND WITHIN 30 FT OF COMMERCIAL KITCHEN EQUIPMENT.
C. EXTEND OR MODIFY EXISTING AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM FOLLOWING APPROVAL BY LANDLORD'S LIFE SAFETY ENGINEER. SUBMIT PLANS TO FIRE DEPARTMENT AND OBTAIN APPROVAL PRIOR TO INSTALLATION.
D. EXTEND OR MODIFY EXISTING FIRE/LIFE SAFETY SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE/ LIFE SAFETY SYSTEM FOLLOWING APPROVAL BY LANDLORD'S LIFE SAFETY ENGINEER. SUBMIT PLANS TO FIRE DEPARTMENT WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

ACCESSIBILITY NOTES

A. ABRUPT CHANGES IN LEVEL ALONG ACCESSIBLE ROUTES SHALL NOT EXCEED 1/2" IN HEIGHT. CHANGES BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO STEEPER THAN 1:2 (HEIGHT:LENGTH). LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL.
B. FLOOR AREAS ON EACH SIDE OF DOORS SHALLO BE LEVEL AND CLEAR. THE DIMENSIONS OF THE LEVEL AREAS ARE DESIGNED TO MEET ANSI A117.1 2009, IAC AND ADA CLEARANCE REQUIREMENTS. IF THE G.C. IS AWARE OF ANY INADEQUATE CLEARANCES OR VIOLATIONS OF CODE, G.C. SHALL NOTIFY THE ARCHITECT.
C. LATCHING AND LOCKING DOORS ARE SPECIFIED TO BE OPERABLE WITH A SINGLE EFFORT BY HARDWARE THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
D. MAXIMUM PULL OR PUSH EFFORT TO OPERATE NON-FIRE-RATED DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. G.C. SHALL ADJUST SPECIFIED DOOR CLOSER TO COMPLY.
E. ALL DOORS LOCATED ON AN ACCESSIBLE ROUTE ARE SPECIFIED TO BE NOT LESS THAN 3'-0" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS ARE CAPABLE OF OPENING AT LEAST 90 DEGREES AND CLEAR WIDTH IS NOT LESS THAN 32".
F. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 34" AND 48" ABOVE FLOOR FINISH, AND ACCORDING TO SPECIFIC DIMENSIONS NOTED IN CONTRACT DOCUMENTS.
G. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
H. G.C. TO PROVIDE GRAB BARS IN COMPLIANCE WITH ANSI A117.1 ON EACH SIDE, OR ONE SIDE AND BACK, OF WATER CLOSET. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD AND SHALL NOT ROTATE IN THEIR FITTINGS. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
I. SINKS AND LAVATORIES SHALL BE MOUNTED TO COMPLY WITH KNEESPACE REQUIREMENTS OF ANSI A117.1.
J. FAUCET CONTROLS AND OPERATING MECHANISMS ARE TO BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. SELF-CLOSING CONTROLS ARE TO REMAIN OPEN FOR AT LEAST 10 SECONDS.
K. HOT WATER AND DRAIN PIPES UNDER LAVATORIES ARE TO BE INSULATED BY THE GENERAL CONTRACTOR.
L. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
M. IF THE G.C. IS AWARE OF ANY INADEQUATE CLEARANCES OR OTHER VIOLATIONS OF CODE, G.C. SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK IN QUESTION.

MILLWORK NOTES

A. INTERIOR FINISH OF ALL DARK COLOR LAMINATE CABINETS TO BE BLACK MELAMINE. INTERIOR FINISH OF ALL LIGHT COLOR LAMINATE CABINETS TO BE WHITE MELAMINE, U.N.O.
B. ALL STONE, SIMULATED STONE, AND SOLID SURFACE COUNTERTOPS TO HAVE MITERED CORNER FROM TOP TO FRONT APRON WITH 1/16" RADIUS EASED EDGE.
C. APPLY SEALANT AT ALL COUNTERTOPS TO SPLASHES, AT ALL COUNTERTOPS TO WALLS, AND AT ALL BASE TO ALL NON-CARPETED FLOORS.
D. REFER TO MILLWORK DETAILS FOR CABINET PULL INFORMATION.
E. REFER TO MILLWORK DETAILS FOR DRAWER DIVIDER INFORMATION.
F. PROVIDE SLOW CLOSERS ON ALL DRAWER SLIDES AND HINGES.
G. DOVETAIL AND GLUE ALL DRAWER JOINTS; NO STAPLED OR NAILED JOINTS.
H. PROVIDE SILENCERS AT ALL DOOR STRIKE LOCATIONS.
I. NO SCREW HOLES OR SCREW HEADS SHALL BE EXPOSED. PLUG HOLES WITH WOOD PLUGS.
J. PROVIDE BALANCED CONSTRUCTION (SAME MATERIAL VENEERED TO BOTH SIDES OF ALL PANELS) TO PREVENT WARPING.
K. PROVIDE GROMMET HOLES W/ COVER PLATES WHERE RECEPTACLES ARE LOCATED BELOW COUNTERTOPS. EXACT PRODUCT AND LOCATIONS TO BE DETERMINED ON SHOP DRAWINGS.
L. MILLWORK CONTRACTOR SHALL SHIM ALL MILLWORK INSTALLED AGAINST NON-MILLWORK CONSTRUCTION AS REQUIRED.
M. ALL WOOD MILLWORK TO BE AWI PREMIUM, U.N.O. ALL LAMINATE TO BE AWI CUSTOM, U.N.O. ALL EXPOSED INTERIOR AND EXTERIOR SURFACES ARE TO BE FINISHED PER AWI STANDARDS.
N. PROVIDE ALL FIRE-RETARDANT TREATED BLOCKING, SHIMS, ETC., AS REQUIRED FOR THE ATTACHMENT, INSTALLATION, ETC. OF ALL MILLWORK AND TO ALSO MAINTAIN LEVEL AND PLUMB IN BOTH VERTICAL AND HORIZONTAL DIRECTIONS, TYPICAL. GENERAL CONTRACTOR TO COORDINATE WITH ALL TRADES.
O. GENERAL CONTRACTOR TO COORDINATE LOCATIONS OF ELECTRICAL AND VOICE/DATA DEVICES, PLUMBING, ETC., MOUNTED WITHIN AND/OR ON MILLWORK. COORDINATE WITH ALL OTHER TRADES, SUCH AS ELECTRICAL, PLUMBING, MILLWORKER, ETC, TYPICAL.
P. PROVIDE FINISHED SCRIBE STRIPS AND FINISHED MILLWORK EDGES TO CREATE A FINISHED REVEAL CONDITION WHERE MILLWORK COUNTERS, CABINETS, ETC. ABUT ADJACENT CONSTRUCTION, TYPICAL, U.N.O. ALL EXPOSED REVEAL SURFACES AND EDGES TO HAVE MATCHING COLOR AND FINISH, TYPICAL.
Q. PROVIDE FLUSH, FINISHED END PANELS TO MATCH CABINET FACE AT ALL EXPOSED CABINET END SURFACES.

DEMOLITION NOTES

1. REFERENCE PROJECT MANUAL, SPECIFICATION SECTION 01 74 19 'CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL' FOR MORE INFORMATION.
2. REMOVE ALL ABOVE-CEILING SUPPORTS FOR DEMOLISHED ELEMENTS.
3. REMOVE AND SALVAGE DOORS AND FRAMES FOR POTENTIAL REUSE. STORE IN LOCATION DETERMINED BY OWNER.
4. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.
5. REMOVE DESIGNATED PARTITIONS, CEILINGS COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR INSTALLATION OF THE NEW WORK. IF ADDITIONAL DEMOLITON IS REQURIED BEYOND WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REVIEW THE ADDITIONAL DEMOLITION WITH THE ARCHITECT PRIOR TO PROCEEDING.
6. REMOVE ABANDONED HVAC EQUIPMENT, DUCT WORK, CONTROLS, REGISTERS, GRILLES AND ALL ASSOCIATED HARDWARE & ACCESSORIES.
7. REMOVE ABANDONED ELECTRICAL, TELEPHONE, DATA, SECURITY AND SIMILAR OTHER CABLING, CONDUIT, EQUIPMENT AND DEVICES, UNLESS OTHERWISE NOTED.
8. REMOVE ABANDONED PLUMBING EQUIPMENT, VALVES, PIPING AND ALL ASSOCIATED HARDWARE & ACCESSORIES.
9. REMOVE EXISTING FLOOR FINISHES WHERE INDICATED AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.
10. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION.
11. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
12. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
13. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.
14. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. LEAVE ALL AREAS BROOM CLEAN DAILY.

PROJECT INFORMATION

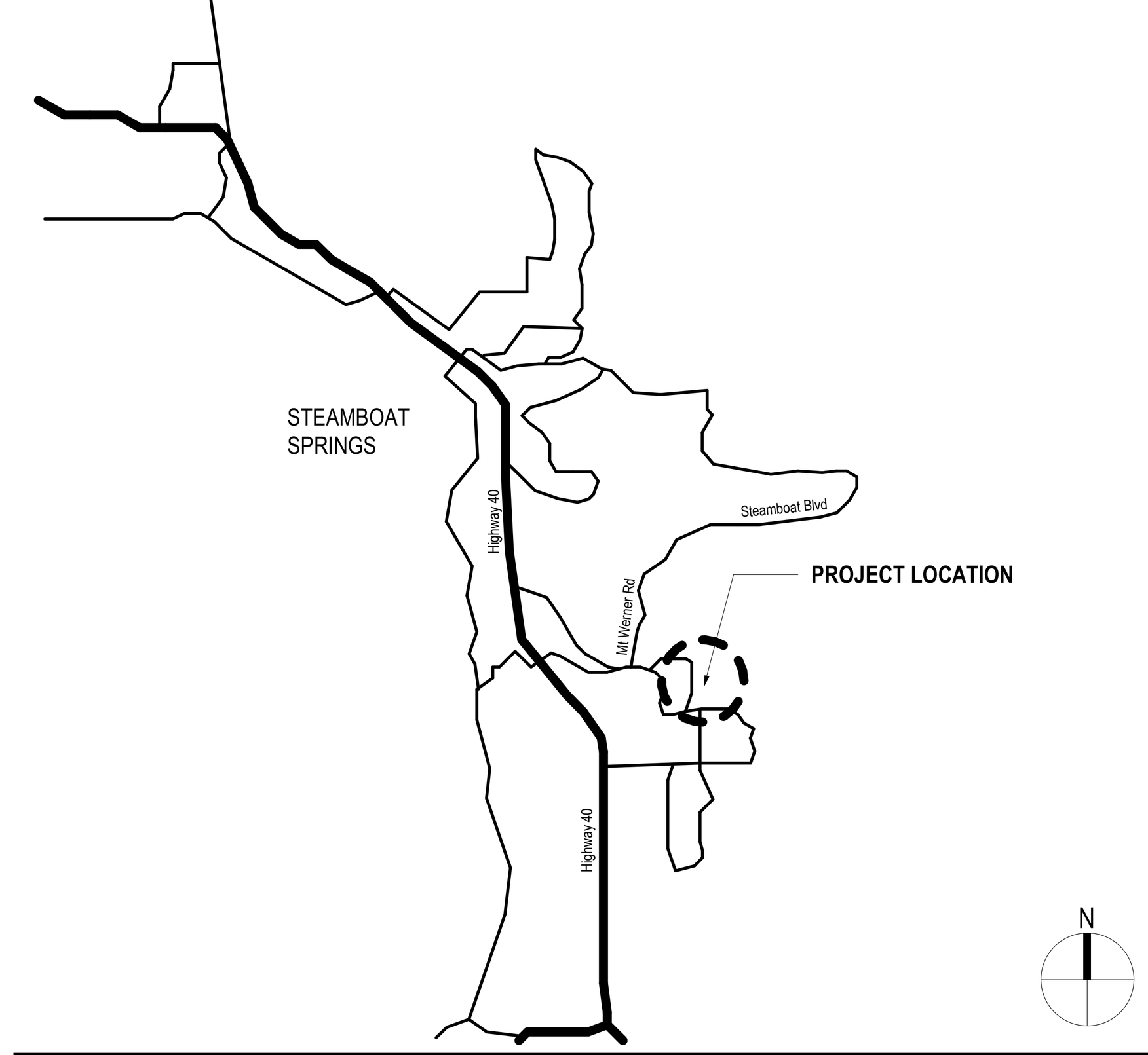
FOLLOWING ARE THE PLANS OUTLINING THE SCOPE OF WORK REQUIRED FOR GONDOLA SQUARE INTERIORS REMOVATION WORK TO INCLUDE SELECT DEMOLITION & CONSTRUCTION OF NEW PARTITIONS, CEILINGS, CASEWORK, FINISHES, MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION AS INDICATED ON DRAWINGS.

THE DRAWINGS, IN CONCERT WITH THE PROJECT MANUAL, COMPRISE THE CONTRACT DOCUMENTS OUTLINING THE DESIGN INTENT AND PROJECT SCOPE, AND MAY BE SUPPLEMENTED BY FURTHER INFORMATION ISSUED BY ARCHITECT.

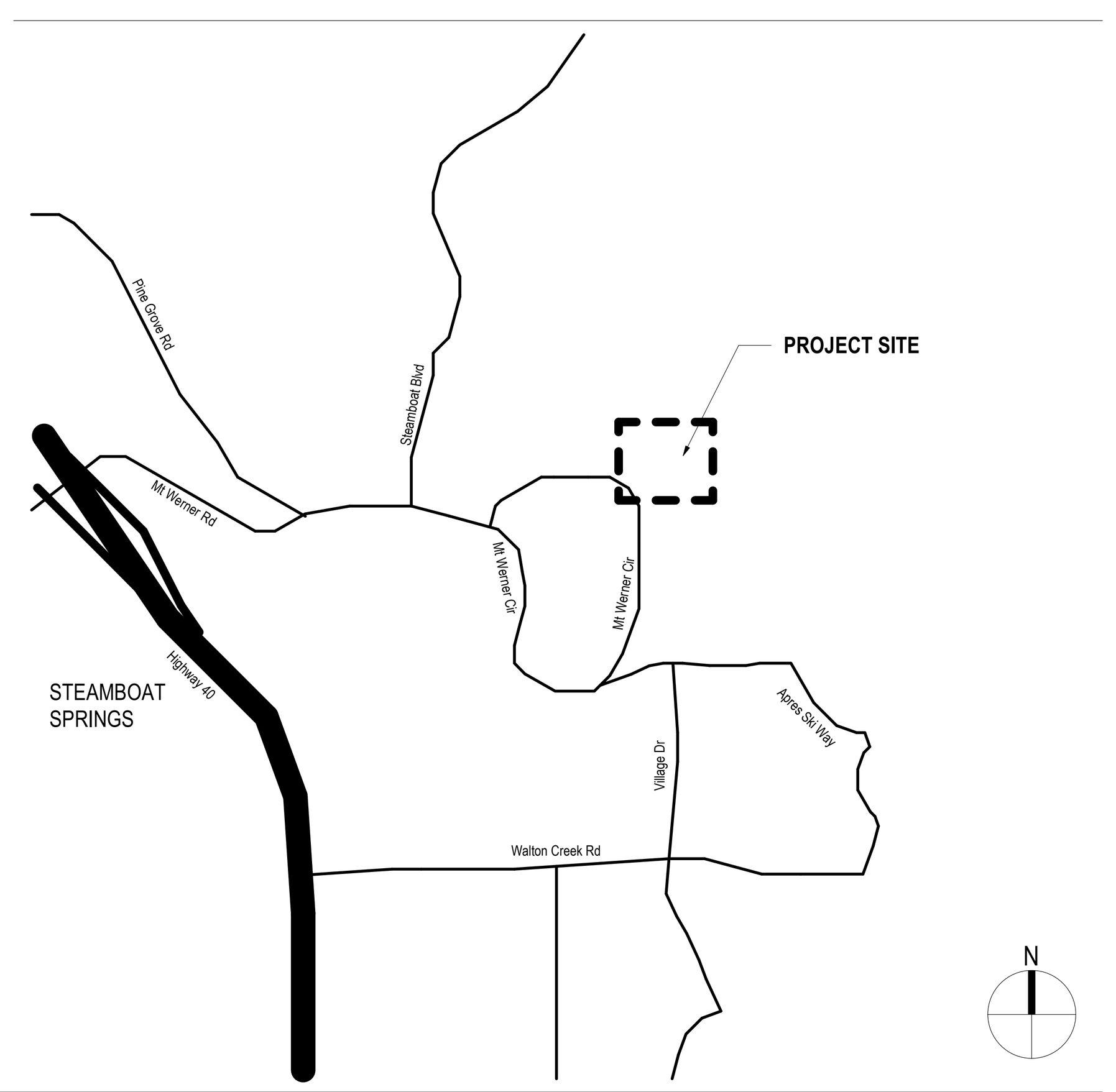
THE DRAWINGS ARE ARRANGED IN GENERAL TO SPECIFIC ORDER, FOLLOWING A TOP TO BOTTOM, RIGHT TO LEFT FORMAT. CONTRACTORS ARE ADVISED TO READ AND FAMILIARIZE THEMSELVES WITH THE INFORMATION IN THE PROJECT MANUAL, AS WELL AS THE GENERAL LEGENDS CONTAINED IN THE 'G' SERIES OF DRAWINGS, PRIOR TO REVIEW OF THE PLANS, ELEVATIONS AND DETAILS. ADVISE THE ARCHITECT WHERE INTENT IS NOT CLEARLY PERCEIVED, PRIOR TO PROCEEDING WITH WORK.

BUILDING ADDRESS:	2305 MT. WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487
BUILDING JURISDICTION:	ROUTT COUNTY, STEAMBOAT SPRINGS, CO
APPLICABLE CODES:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 INTERNATIONAL FIRE CODE 2020 NATIONAL ELECTRIC CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2009 ICC A117.1, ACCESSIBILITY REQUIREMENTS ANSI/ASME A17.1, SAFETY CODE FOR ELEVATORS 2013
OCCUPANCY TYPE:	GROUP B, BUSINESS
CONSTRUCTION TYPE:	TYPE II-A
FIRE ALARM SYSTEM:	FIRE ALARM AND SMOKE DETECTION SYSTEM PER IBC 907.2 & NFPA 72
FIRE SUPPRESSION:	FIRE RESISTIVE, (100% SPRINKLERED)
NUMBER OF STORIES IN BUILDING:	4 STORIES (ABOVE GRADE) 1 STORIES (BELOW GRADE)
YEAR BUILT:	1971
TOTAL BUILDING AREA:	APPROX. 32,340 SQ.FT.
SCOPE OF WORK:	APPROX. 14,355 SQ. FT.

VICINITY MAP



SCOPE OF WORK PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS

12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
--- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
DRAWING INDEX, PROJECT INFORMATION, & GENERAL NOTES

Scale
12" = 1'-0"

1B-G0.100

ABBREVIATIONS

SHTHG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SK	SINK
SLOT	SLOTTED
SLV	SLEEVE
SNT	SEALANT
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
SPK	SPEAKER
SPLR	SPRINKLER
SQ	SQUARE
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STG	SEATING
STGR	STAGGER
STIFF	STIFFENER
STL	STEEL
STM	STEAM
STOR	STORAGE
STR	STRAIGHT (RE-BARS)
STRFR	STOREFRONT
SUPP	SUPPLEMENTARY, SUPPLEMENT
SURF	SURFACE
SUSP	SUSPENDED
SW	SWITCH
SY	SQUARE YARD
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM(S)
T	
T&G	TOUNGUE AND GROOVE
T/	TOP
TAN	TANGENT
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
TERR	TERRAZZO
THK	THICK
THRESH	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
TLT	TOILET
TOC	TOP OF CONCRETE
TOL	TOLERANCE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPTN	TOILET PARTITION
TRANS	TRANSPARENT
TRAV	TRAVERTINE
TRD	TREAD
TRTD	TREATED
TSL	TOP OF SLAB
TST	TOP OF STEEL
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
U	
UL	UNDERWRITERS' LABORATORIES
UNDRLAY	UNDERLAYMENT
UNO	UNLESS NOTED OTHERWISE
UTL, UTIL	UTILITY
V	
VAC	VACUUM
VAR	VARIES
VB	VAPOR BARRIER
VBC	VINYL BASE (COVED)
VBS	VINYL BASE (STRAIGHT)
VCT	VINYL COMPOSITION TILE
VENT	VENTILATE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIT	VITREOUS
VLT	VAULT
VOL	VOLUME
VR	VAPOR RETARDER
VWC	VINYL WALL COVERING
W	
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
WLD	WELD
WM	WIRE MESH
WP	WATERPROOFING
WPT	WORKING POINT
WR	WATER RESISTANT OR WATER REPELLANT
WRSTP	WEATHERSTRIPPING
WT	WEIGHT
WTRPRF	WATERPROOFING
WWF	WELDED WIRE FABRIC
Y	
YD	YARD
YR	YEAR

O, O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFF	OFFICE
OH	OVERHEAD
OHD	OVERHEAD DOOR
OPNG	OPENING(S)
OPP	OPPOSITE
OPP H	OPPOSITE HAND
OPR	OPERABLE
ORN	ORNAMENTAL
ORNA	ORNAMENTAL
OUT	OUTLET
OVFL	OVERFLOW
OVHD	OVERHEAD
OZ	OUNCE
P	
P SL	PIPE SLEEVE
PA	PUBLIC ADDRESS
PB	PULL BOX
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PCPL	PORTLAND CEMENT PLASTER
PED	PEDESTAL OR PEDESTRIAN
PEDR	PEDESTRIAN
PERF	PERFORATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PKWY	PARKWAY
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLSTC	PLASTIC
PLTF	PLATFORM
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT
POL	POLISH(ED)
POLYST	POLYSTRENE
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PRE	PREFINISHED
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRI	PRIMARY
PRTECN	PROTECTION
PRTN	PARTITION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTC	POST-TENSIONED CONCRETE
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVT	PRIVATE
PWR	POWER
Q	
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY
R	
RA	RETURN AIR
RAD	RADIUS
RADN	RADIAN
RB	RUBBER BASE
RBT	RABBET
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RDR	READER
REBAR	REINFORCING BAR
REC	RECEIVER
RECEP	RECEPTACLE
RECES	RECESSED
RECPT	RECEPTACLE
RED	REDUCER
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REG	REGULAR
REINF	REINFORCED(D)(ING)(MENT)
REM	REMOVE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
RESIS	RESIST(ANT)(IVE)
RET	RETURN OR RETAINING
REV	REVERSE OR REVISE OR REVISION
REV DR	REVOLVING DOOR
RF	ROOF
RFG	ROOFING
RGH	ROUGH
RGTR	REGISTER
RH	RIGHT HAND
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPT	REPEAT (LIKE "DITTO")
RR	RAILROAD
S	
SALV	SALVAGE
SAN	SANITARY
SC	SOLID CORE
SCHED	SCHEDULE
SCR	SCRIBE
SCRN	SCREEN
SCWD	SOLID CORE WOOD DOOR
SE	STRUCTURAL ENGINEER
SECT	SECTION
SECUR	SECURITY
SEL	SELECT
SERV	SERVICE
SF	SQUARE FEET
SF	SQUARE FOOT
SFGL	SAFETY GLASS
SG	SINGLE
SGL	SINGLE
SGS	SILICONE GLAZING SEALANT
SHT	SHEET

HTG	HEATING
HTR	HEATER
HTW	HIGH TEMPERATURE WATER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER OR HEAVY WALL
HWC	HOT WATER CIRCULATING OR HEAVY WALL CONDUIT
HWD	HARDWOOD
HYD	HYDRAULIC
HYDRO	HYDROSTATIC
I	
ID	INSIDE DIAMETER
IN	INCH
INCAND	INCANDESCENT
INCR	INCREASE
INFILTR	INFILTRATION
INFO	INFORMATION
INSP	INSPECT
INSTRUM	INSTRUMENT(ATION)
INSUL	INSULATION
INT	INTERIOR OR INTERNAL
INTERM	INTERMEDIATE
INTLK	INTERLOCK(ING)
IW	INDIRECT WASTE
J	
J-BOX	JUNCTION BOX
JAN	JANITOR
JC	JANITOR'S CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
K	
KG	KILOGRAM
KIT	KITCHEN
KM	KILOMETER
KO	KNOCKOUT
KPL	KICKPLATE
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
L	
LAB	LABORATORY, LABOR
LAD	LADDER
LAM	LAMINATE, LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	POUND
LBL	LABEL
LBR	LUMBER
LCD	LIQUID CRYSTAL DIODE
LD	LEADER DRAIN
LH	LEFT HAND
LIB	LIBRARY
LIN	LINEAR
LINO	LINOLEUM
LIQ	LIQUID
LL	LIVE LOAD
LN	LENGTH
LNDG	LANDING
LNTL	LINTEL
LOC	LOCATE
LOCS	LOCATIONS
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LV	LOW VOLTAGE
LVLG	LEVELING
LVR	LOUVER
LVT	LOUVER
LWC	LIGHT-WEIGHT CONCRETE
M	
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAN	MANUAL
MAR	MARBLE
MARB	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MD	MEDIUM
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MHO	MAGNETIC HOLD OPEN
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MK	MARK
MLDG	MOLDING
MLWK	MILLWORK
MM	MILLIMETER
MMB	MEMBRANE
MO	MASONRY OPENING
MOD	MODULE
MOIST	MOISTURE
MONO	MONOLITHIC
MOT	MOTOR(IZED)
MOV	MOVABLE
MP	METAL ACOUSTICAL PANEL
MR	MOP RECEPTOR
MRD	METAL ROOF DECK
MTD	MOUNTED
MTL	MOUNTED
MTR	MOTOR
MULL	MULLION
MWK	MILLWORK
N	
NAT	NATURAL
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NMT	NON-METALLIC
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE
NTS	NOT TO SCALE
O	
O TO O	OUT TO OUT

EL	ELEVATION OR ELEVATOR
ELEC	ELECTRICAL
ELEV	ELEVATOR OR ELEVATION
ELP	EMERGENCY LIGHTING PANEL
EMBED	EMBED(DED)(ING)
EMER	EMERGENCY
ENAM	ENAMEL
ENCL	ENCLOSURE
ENG	ENGINEER
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCALATOR
EST	ESTIMATE
EVAP	EVAPORATOR
EWH	ELECTRIC WATER HEATER
EX	EXISTING
EXCAV	ESCAVATE
EXEC	EXECUTIVE
EXG	EXISTING
EXH	EXHAUST
EXH AIR	EXHAUST AIR
EXIST	EXISTING
EXP	EXPANSION OR EXPOSED
EXP JT	EXPANSION JOINT
EXPN	EXPANSION
EXPS	EXPOSED(D)
EXT	EXTERIOR
EXTR	EXTRUDE
F	
F	DEGREES FARENHEIT
FA	FIRE ALARM OR FRESH AIR
FAB	FABRICATION
FAR	FLOOR AREA RATIO
FAST	FASTENER OR FASTEN
FC	FOOT CANDLE
FD	FLOOR DRAIN, OR FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FE&C	FIRE EXTINGUISHER AND CABINET
FEC	FIRE EXTINGUISHER CABINET
FF&E	FIXTURES, FURNISHINGS & EQUIPMENT
FGR	FIBERGLASS REINFORCED
FH	FIRE HYDRANT
FHC	FIRE HOSE AND CABINET
FIN	FINISH, FINISHED
FIXT	FIXTURE
FL	FLOOR OR FIRE LINE
FLASH	FLASHING
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLR	FLOOR(ING)
FLUOR	FLUORESCENT
FO	FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FP	FIREPROOF
FPLC	FIREPLACE
FPM	FEET PER MINUTE
FPRF	FIREPROOF
FR	FIRE RAT(ING)(ED)
FRMG	FRAMING
FS	FLOOR SINK
FSCW	FLUSH SOLID CORE DOOR
FT	FT
FTG	FITTING
FURN	FURNITURE
FURR	FURRING
FUT	FUTURE
FVC	FIRE VALVE CABINET
FWC	FABRIC WALL COVERING
FXD	FIXED
FXTR	FIXTURE
G	
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR OR GENERAL
GENL	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLAS FIBER REINFORCED PLASTER
GKT	GASKET
GL	GLASS
GL BLK	GLASS BLOCK
GLZ	GLAZE
GND	GROUND
GOVT	GOVERNMENT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GR	GRAD(E)(ING)
GRAN	GRANITE
GRND	GROUND
GRTG	GRATING
GT	GROUT
GV	GALVANIZED
GYP	GYPSUM
GYP-BD	GYPSUM BOARD
H	
HC	HOLLOW CORE
HD	HEAD, HEADER, HEAVY DUTY
HDCP	HANDICAPPED (BETTER CALLED "ACCESSIBLE")
HDN	HARDEN
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HEX	HEXAGONAL
HGR	HANGER
HGT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HS	HEAT STRENGTHENED
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT

A	
&	AND
ABV	ABOVE
ACCESS	ACCESSORY
ACOUS	ACOUSTIC(AL)
ADDL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
AMT	AMOUNT
ANNUNC	ANNUNCIATOR
ANT	ANTENNA
APPL	APPLIANCE
APPROX	APPROXIMATE
APRVD	APPROVED
ARCH	ARCHITECT(URAL)
ASSOC	ASSOCIATION, ASSOCIATE
ASSY	ASSEMBLY
AUTH	AUTHORIZED
AUTO	AUTOMATIC
AVG	AVERAGE
B	
BD	BOARD (OR BUILDING DEPARTMENT)
BETW	BETWEEN
BEV	BEVEL
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BEAM (OR BENCHMARK)
BOL	BOLLARD
BOT	BOTTOM
BRDG	BRIDGE, BRIDGING
BRDLM	BROADLOOM
BRG	BEARING
BRKT	BRACKET
BRZ	BRONZE
BU	BUILT UP
BW	BOTH WAYS
C	
C/C	CENTER TO CENTER
CAB	CABINET
CAP	CAPACITY
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CFT	CUBIC FOOT
CHAM	CHAMFER
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CLR OPG	CLEAR OPENING
CMU	CONCRETE MASONRY UNIT
CND	CONDITION
CNTR	CENTER (OR COUNTER)
COATG	COATING
COEF	COEFFICIENT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMP	COMPRESSED
COMPT	COMPARTMENT
CON	CONSTRUCTION
CONC	CONCRETE
COND	CONDENSER, CONDUIT
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTROL, CONTRACT(OR)
CONV	CONVECTOR
COR	CORNER, CORRIDOR
CORR	CORRIDOR, CORRUGATE
COV	COVER
CPR	COPPER
CPT	CARPET
CR	CARD READER
CRS	COURSE OR COLD ROLLED STEEL
CSG	CASING
CSTG	CASTING
CT	CERAMIC TILE, CORK TILE
CTD	COATED
CTR	CENTER OR COUNTER
CTSK	COUNTERSUNK
CTV	CLOSED CIRCUIT TV
CU.FT.	CUBIC FEET
CU.YD.	CUBIC YARD
CUR	CURRENT
CV	CHECK VALVE
CW	COLD WATER
CYL	CYLINDER
D	
$	DOLLAR (US CURRENCY)
DB	DECIBEL
DBL	DOUBLE
DC	DIRECT CURRENT
DD	DECK DRAIN
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DES	DESIGN(ED)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DMT	DEMOUNTABLE
DN	DOWN
DO	DOOR OPENING
DPR	DAMPER
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DSCON	DISCONNECT
DSP	DRY STANDPIPE
DTL	DETAIL
DWG	DRAWING
DWGS	DRAWINGS
DWR	DRAWER
E	
EA	EACH
ECC	ECCENTRIC
ED	EMERGENCY DRAIN
EJ	EXPANSION JOINT
EJECT	EJECTOR

GRAPHIC SYMBOLS (CONT.)

WALL MOUNTED DEVICES

- EQUIPMENT TAG (REFER TO EQUIPMENT SCHEDULE)
- WALL MOUNTED, DUPLEX RECEPTACLE - CONVENIENCE
- WALL MOUNTED, DUPLEX RECEPTACLE - DEDICATED
- WALL MOUNTED, DUPLEX RECEPTACLE - SEPARATE
- WALL MOUNTED, QUADRAPLEX RECEPTACLE - CONVENIENCE
- WALL MOUNTED, QUADRAPLEX RECEPTACLE - DEDICATED
- WALL MOUNTED, QUADRAPLEX RECEPTACLE - HALF DEDICATED
- WALL MOUNTED, VOICE/DATA RECEPTACLE
- WALL MOUNTED, DATA RECEPTACLE
- WALL MOUNTED, VOICE RECEPTACLE
- WALL MOUNTED, THERMOSTAT
- WALL MOUNTED, CABLE TV RECEPTACLE
- WALL MOUNTED, AV RECEPTACLE
- WALL MOUNTED, ELECTRICAL JUNCTION BOX
- WALL MOUNTED, SYSTEMS WORKSTATION PANEL POWER INFEED
- WALL MOUNTED, SYSTEMS WORKSTATION PANEL VOICE/DATA INFEED
- WALL MOUNTED, PLUG MOLD

SECURITY DEVICES

- CARD READER
- CAMERA
- ELECTRIC DOOR BELL
- INTERCOM
- REMOTE DOOR RELEASE BUTTON
- MOTION SENSOR
- INTRUSION ALARM

FURNITURE SYSTEMS MOUNTED DEVICES

- FURNITURE MOUNTED, POWER POLE

FLUSH FLOOR MOUNTED, POKE THRU DEVICES

- FLUSH FLOOR MOUNTED, POKE THRU, SINGLE RECEPTACLE - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, SINGLE RECEPTACLE - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, DUPLEX RECEPTACLE - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, DUPLEX RECEPTACLE - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, QUADRAPLEX RECEPTACLE - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, QUADRAPLEX RECEPTACLE - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, QUADRAPLEX RECEPTACLE - HALF DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION DUPLEX & VOICE/DATA RECEPTACLE - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION DUPLEX & VOICE/DATA RECEPTACLE - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX & VOICE/DATA RECEPTACLES - HALF DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION DUPLEX, AUDIO VISUAL AND VOICE/DATA RECEPTACLES - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES - CONVENIENCE
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES - DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, COMBINATION QUADRAPLEX, AV & VOICE/DATA RECEPTACLES - HALF DEDICATED
- FLUSH FLOOR MOUNTED, POKE THRU, VOICE/DATA RECEPTACLE
- FLUSH FLOOR MOUNTED, POKE THRU, DATA RECEPTACLE
- FLUSH FLOOR MOUNTED, POKE THRU, VOICE RECEPTACLE
- FLUSH FLOOR MOUNTED, POKE THRU, AV RECEPTACLE
- FLUSH FLOOR MOUNTED, POKE THRU, SYSTEMS WORKSTATION PANEL POWER INFEED
- FLUSH FLOOR MOUNTED, POKE THRU, SYSTEMS WORKSTATION PANEL VOICE INFEED

GRAPHIC SYMBOLS (CONT.)

REFLECTED CEILING

- ACOUSTICAL CEILING AND GRID
- CEILING HEIGHT CHANGE SYMBOL
- FINISH CEILING HEIGHT SYMBOL
- GRID STARTPOINT SYMBOL
- CEILING FINISH TAG
- MOTION SENSOR
- CEILING MOUNTED SPEAKER
- CEILING MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED STROBE LIGHT
- CEILING MOUNTED EXIT SIGNS
- WALL MOUNTED EXIT SIGNS - PARALLEL
- WALL MOUNTED EXIT SIGNS - PERPENDICULAR
- E — DENOTES EXISTING TO REMAIN
- R — DENOTES EXISTING TO BE RELOCATED
- ACCESS DOOR

LIGHT FIXTURES

- LIGHT FIXTURE
- LIGHT FIXTURE / EMERGENCY CIRCUIT
- EXISTING LIGHT FIXTURE TO BE REMOVED
- UNDER CABINET FLORESCENT FIXTURE
- STRIP FIXTURE
- PENDANT FIXTURE
- RECESSED DOWNLIGHT
- RECESSED ADJUSTABLE DOWNLIGHT
- RECESSED WALL WASHER
- TRACK LIGHTING
- SURFACE MOUNTED LIGHT FIXTURE
- WALL SCONCE
- LIGHT SWITCH
- DIMMER SWITCH

MECHANICAL FIXTURES

- RETURN AIR
- SUPPLY AIR
- CIRCULAR DIFFUSER
- LINEAR DIFFUSER
- EXHAUST FAN

FINISH

- WALL FINISH TAG / BASE FINISH TAG
- EXTENT OF FINISH TYP.
- WALL FINISH TAG
- SPECIAL FINISH TAG
- FLOOR FINISH TAG
- CEILING FINISH TAG
- CHANGE IN FLOOR FINISH

ELEVATION INDICATION

- GLASS SYMBOL
- WOOD VENEER
- STONE

GRAPHIC SYMBOLS

CONSTRUCTION

- COLUMN GRID REFERENCE NUMBER
- COLUMN GRID LINES AND REFERENCE NUMBER
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- NEW PARTITION
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 3 HR. RATED PARTITION
- 4 HR. RATED PARTITION
- MILLWORK
- MILLWORK ABOVE
- DETAIL NUMBER
- SHEET NUMBER
- DESCRIPTION OF SIMILAR OR OPPOSITE
- AREA TO BE DETAILED
- LOCATION ON SHEET WHERE ELEVATION IS SHOWN
- DIRECTION OF ELEVATION
- SHEET NUMBER WHERE ELEVATION IS SHOWN
- INTERIOR AND EXTERIOR ELEVATION MARKER
- REVISION REFERENCE NUMBER
- REVISION CLOUD DEPICTING AREA REVISED
- ROOM NAME
- ROOM NUMBER
- SHEETNOTE REFERENCE
- WALL TYPE REFERENCE
- FIRE RATING
- DOOR REFERENCE NUMBER (REFER TO DOOR SCHEDULE)
- DOOR NUMBER
- WINDOW REFERENCE NUMBER (REFER TO WINDOW SCHEDULE)
- ELEVATION DATUM REFERENCE
- FLOOR ELEVATION TRANSITION
- MATCH LINE SEE XX/XX — MATCH LINE SYMBOL
- ALIGN — ALIGN WITH ESTABLISHED / ADJACENT SURFACES

WALL MOUNTED LIFE SAFETY EQUIPMENT AND DEVICES

- FEC — WALL MOUNTED, FIRE EXTINGUISHER CABINET
- WALL MOUNTED FIRE EXTINGUISHER
- WALL MOUNTED FIRE HOSE CABINET
- WALL MOUNTED FIRE VALVE
- WALL MOUNTED FIRE VALVE CABINET

SECTION INDICATIONS

- ACOUSTICAL CEILING TILE
- ALUMINUM
- BRICK
- CARPET
- CONCRETE
- CONCRETE MASONRY UNIT
- CUT STONE
- FABRIC WRAPPED PANEL
- GLASS
- GYPSUM PLASTER
- INSULATION (LOOSE OR BATT)
- INSULATION (RIGID)
- METAL
- PLASTIC
- PLYWOOD
- PRE-CAST PANELS
- SAND OR GROUT
- STONE
- WOOD (FINISHED)
- WOOD (CONTINUOUS MEMBER)
- WOOD (INTERRUPTED MEMBER)

Steamboat
ALTERRA MOUNTAIN COMPANY — east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN

12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO — CHARLES GARBELL — 203617 — LICENSED ARCHITECT
05.21.2021

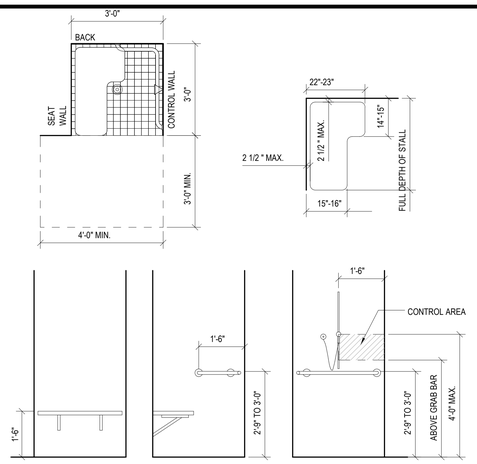
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

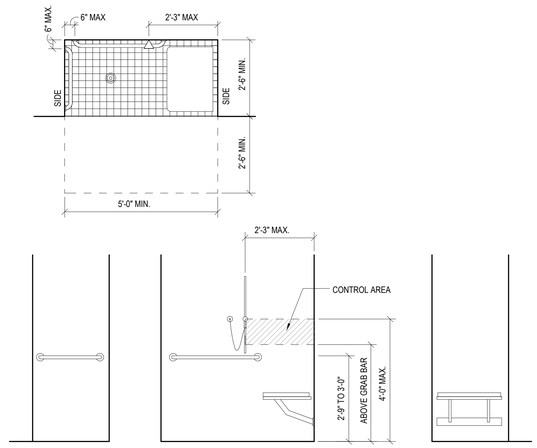
Description
SYMBOLS & ABBREVIATIONS

Scale

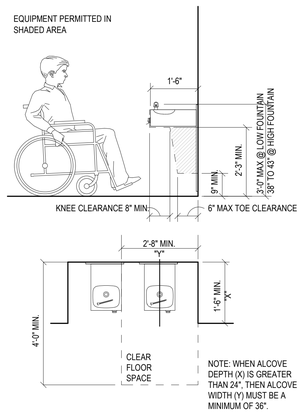
1B-G0.201



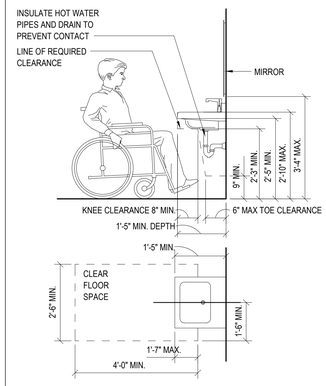
20 TRANSFER SHOWER
SCALE: 1/2" = 1'-0"



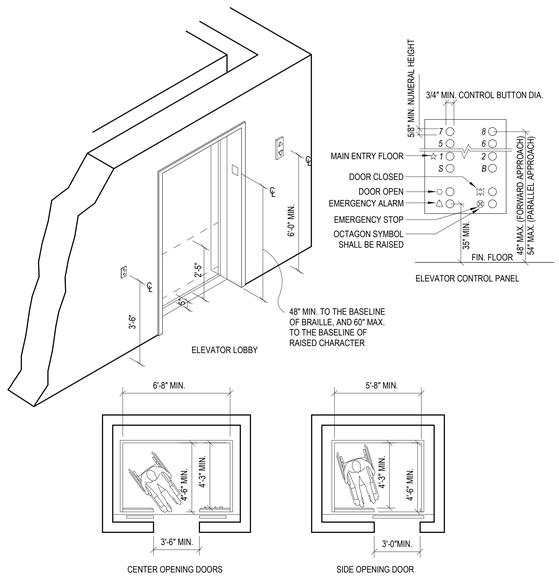
13 ROLL-IN SHOWER
SCALE: 1/2" = 1'-0"



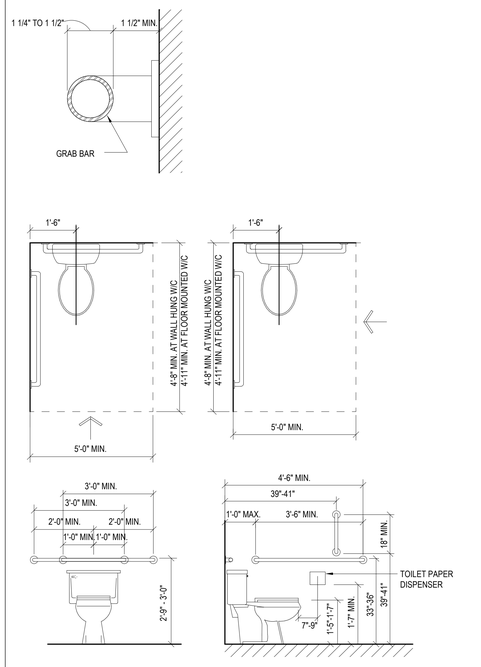
5 DRINKING FOUNTAIN
SCALE: 1/2" = 1'-0"



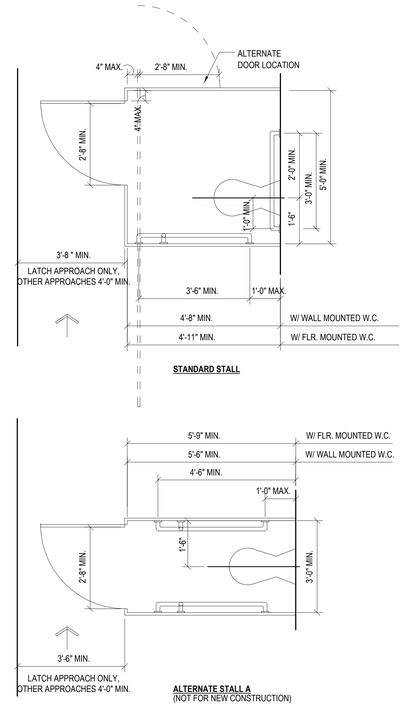
1 SINK OR VANITY
SCALE: 1/2" = 1'-0"



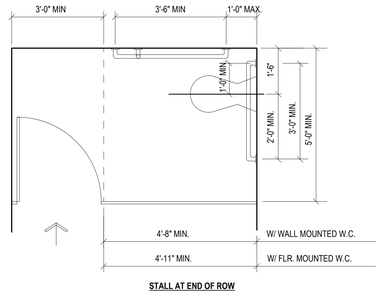
23 ELEVATOR
SCALE: VARIES

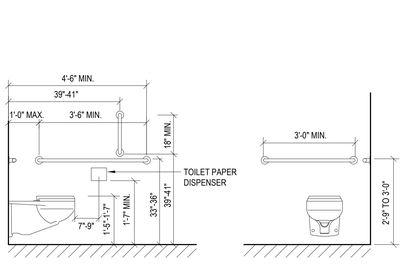


11 SINGLE USER TOILET
SCALE: 1/2" = 1'-0"



7 MULTI-USER TOILET
SCALE: 1/2" = 1'-0"





24 MOUNTING LOCATIONS - RESTROOM1
SCALE: 1/2" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
--- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES STAMBERG
203617
LICENSED ARCHITECT
05.21.2021

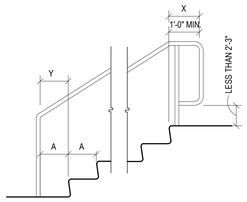
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ADA RESTROOM REQUIREMENTS & DETAILS

Scale
1/2" = 1'-0"

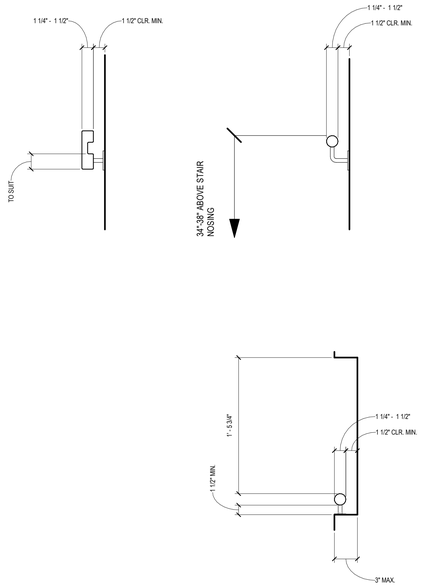
1B-G0.300



X IS THE 1'-0" MINIMUM HANDRAIL EXTENTION REQUIRED AT EACH TOP RISER

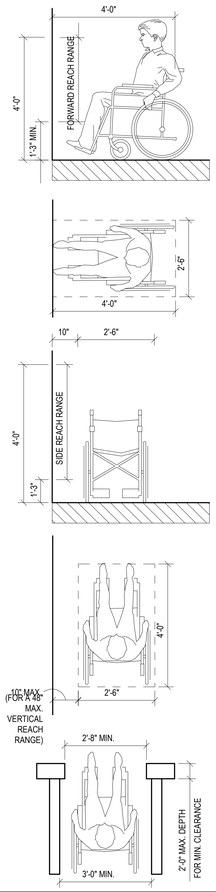
Y IS THE MINIMUM HANDRAIL EXTENTION OF THE WIDTH OF ONE TREAD THAT IS REQUIRED AT EACH BOTTOM RISER.

17 HANDRAIL EXTENSIONS
SCALE: 1/2" = 1'-0"

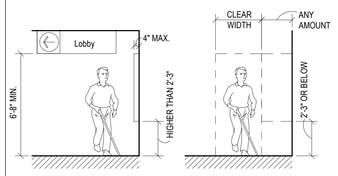


NOTE:
1. MOUNTING HEIGHT IS 34"-38" TO TOP OF GRIPPING SURFACE ABOVE STAIR NOSINGS.
2. SURFACE OF HANDRAIL SHALL BE SMOOTH WITH NO SHARP EDGES.
3. EDGES OF HANDRAILS HAVE A MINIMUM RADIUS OF 1/8".

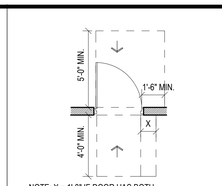
19 HANDRAIL MOUNTING LOCATIONS
SCALE: 1 1/2" = 1'-0"



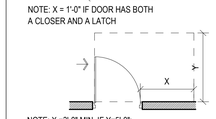
14 REACH RANGES
SCALE: 1/2" = 1'-0"



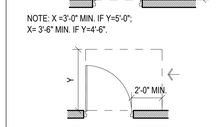
15 PROTRUDING OBJECTS
SCALE: 1/4" = 1'-0"



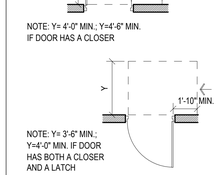
NOTE: X = 1'-0" IF DOOR HAS BOTH A CLOSER AND A LATCH



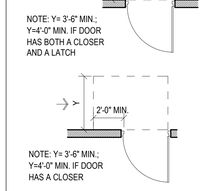
NOTE: X =3'-0" MIN. IF Y=5'-0"; X= 3'-6" MIN. IF Y=4'-6".



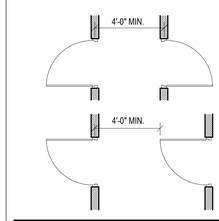
NOTE: Y= 4'-0" MIN.; Y=4'-6" MIN. IF DOOR HAS A CLOSER



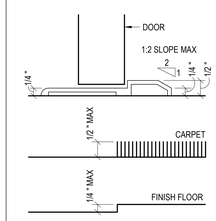
NOTE: Y= 3'-6" MIN.; Y=4'-0" MIN. IF DOOR HAS BOTH A CLOSER AND A LATCH



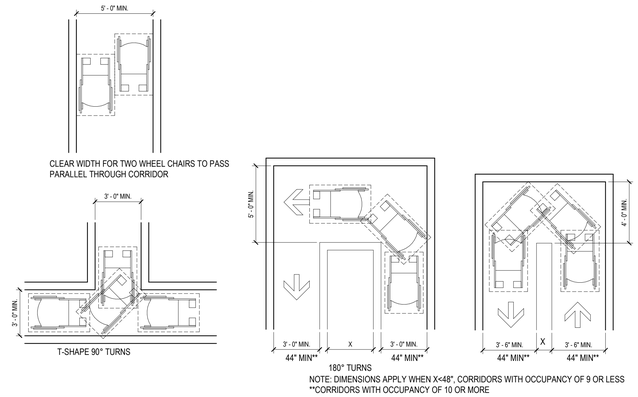
NOTE: Y= 3'-6" MIN.; Y=4'-0" MIN. IF DOOR HAS A CLOSER



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

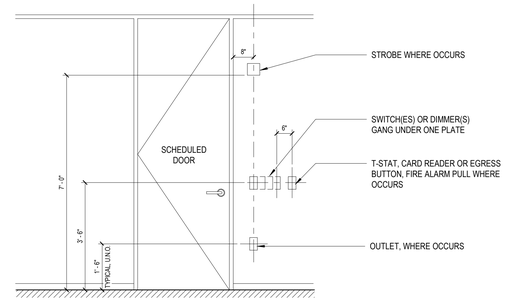


11 THRESHOLD
SCALE: FULL

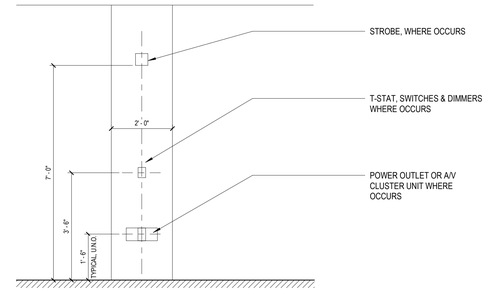


NOTE: DIMENSIONS APPLY WHEN X<48", CORRIDORS WITH OCCUPANCY OF 9 OR LESS
**CORRIDORS WITH OCCUPANCY OF 10 OR MORE

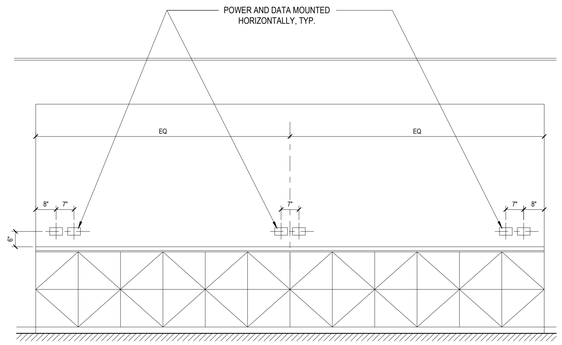
16 MANUEVERING CLEARANCES
SCALE: 1/4" = 1'-0"



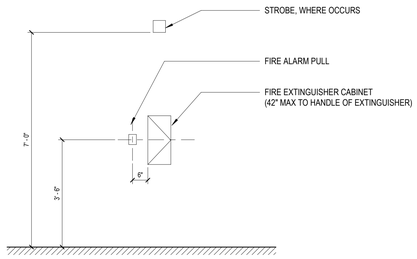
1 LOCATIONS at DOOR JAMBS SWITCH and THERMOSTAT



2 LOCATIONS at COLUMNS, BETWEEN DOORS, ETC. OUTLETS, STROBES and THERMOSTATS



3 LOCATIONS at MILLWORK COUNTERS OUTLETS



4 LOCATIONS at FIRE EXTINGUISHER CABINET STROBES and FIRE ALARM PULLS

4 MOUNTING LOCATIONS - GENERAL
SCALE: 1/2" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD Record Set TC 06/29/2021

Seal / Signature

STATE OF COLORADO · JON CHARLES STAMBAUGH · 203617 · LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
TYPICAL MOUNTING LOCATIONS & ADA REQUIREMENTS

Scale
As indicated

1B-G0.301

GRAPHIC SYMBOLS LEGEND

- EGRESS ROUTE
- COMMON PATH OF TRAVEL
- LONGEST DIAGONAL
- SECURITY LOCATION
- CR — SECURITY CARD READER
- ## — ROOM OCCUPANT LOAD
- 1-HR FIRE RATING
- 2-HR FIRE RATING
- 3-HR FIRE RATING
- EGRESS EXIT SIGNAGE
- DOOR EGRESS WIDTH
  - WIDTH PROVIDED
  - WIDTH REQUIRED
  - OCCUPANTS SERVED

33" | 13.6" | 68

OCCUPANCY TYPE DESIGNATION LEGEND

- Business areas
- Locker rooms
- Accessory storage areas, mechanical equipment room

EGRESS REQUIREMENTS - BUILDINGS C & F - LEVEL 02

TOTAL AREA IN SCOPE:	APPROX. 6,647 SF
TENANT OCCUPANT LOADS:	IBC TABLE 1004.1.2
LOCKERS (50 GSF/PERSON):	70 OCCUPANTS
STORAGE/MECH (300 GSF/PERSON):	4 OCCUPANTS
BUSINESS (150 GSF/PERSON):	24 OCCUPANTS
TOTAL:	**97 OCCUPANTS**
TENANT EGRESS WIDTH REQUIREMENTS:	IBC 1005
OTHER EGRESS COMPONENTS	
REQUIRED (0.15 IN/OCCUPANT):	14.5 INCHES
PROVIDED AT EXIT DOORS:	236 INCHES
EXIT STAIR WIDTH	
REQUIRED (0.2 IN/OCCUPANT)	19.4 INCHES
	IBC 1005.1 and 1024.2
MINIMUM WIDTH OF EGRESS CORRIDOR REQUIRED:	44 INCHES
MINIMUM WIDTH OF EGRESS CORRIDOR PROVIDED:	45 INCHES
	IBC TABLE 1006.3.1
MINIMUM NUMBER OF EXITS REQUIRED:	3 EXITS
NUMBER OF EXITS PROVIDED:	6 EXITS
	IBC TABLE 1017.2
MAXIMUM LENGTH OF EGRESS TRAVEL ALLOWED:	300 FEET (BUSINESS, SPRINKLER SYSTEM)
MAXIMUM LENGTH OF EGRESS TRAVEL PROVIDED:	72 FEET 6 INCHES
	IBC TABLE 1006.2.1
MAXIMUM COMMON PATH OF TRAVEL ALLOWED:	100 FEET (BUSINESS, SPRINKLER SYSTEM)
MAXIMUM COMMON PATH OF TRAVEL PROVIDED:	71 FEET 6 INCHES
	IBC 1020.4 EXCEPTION 2
MAXIMUM DEAD END CORRIDOR ALLOWED:	50 FEET (BUSINESS, SPRINKLER SYSTEM)
MAXIMUM DEAD END CORRIDOR PROVIDED:	28 FEET 7 INCHES
REMOTENESS OF EXITS:	IBC 1007.1.1, EXCEPTION 2
(EXIT SEPERATION DIST. < 1/3 LENGTH OF MAX DIAG. DIST. OF THE AREA SERVED)	
LONGEST DIAGONAL	135 FEET 2 INCHES
REMOTENESS OF EXITS	62 FEET 2 INCHES

PLUMBING FIXTURES

PLUMBING FIXTURE REQUIREMENTS - LEVEL XX

OCCUPANCY TOTALS	'B' - LOCKERS	'B'	'S'
	70	24	4

FIXTURE QUANTITIES		REQUIRED 'L'	REQUIRED 'B'	REQUIRED 'S'	TOTAL REQUIRED	PROVIDED
WATER CLOSETS	MEN	*1 + (10/25) =* **1.4**	*0 + (12/25) =* **.48**	*2/100 =* **.02**	**1.82**	**3.5***
	WOMEN	*1 + (10/25) =* **1.4**	*0 + (12/25) =* **.48**	*2/100 =* **.02**	**1.82**	**2.5***
LAVATORIES	MEN	*0 + (35/40) =* **.88**	*0 + (12/40) =* **.3**	*2/100 =* **.02**	**1.15**	**2.5***
	WOMEN	*0 + (35/40) =* **.88**	*0 + (12/40) =* **.3**	*2/100 =* **.02**	**1.15**	**2.5***
DRINKING FOUNTAINS		*70/100 =* **.70**	*24/100 =* **.24**	*4/1000 =* **.004**	**.91**	**2****

*UNISEX RESTROOM WATER CLOSET AND LAVATORY COUNTS HAVE BEEN APPLIED AS .5 PER EACH SEX.
** 50% OF REQUIRED DRINKING FOUNTAINS CAN BE WATER DISPENSERS, WITH A MINIMUM OF 1 HIGH AND 1 LOW FOUNTAIN.

OCCUPANCY TOTALS

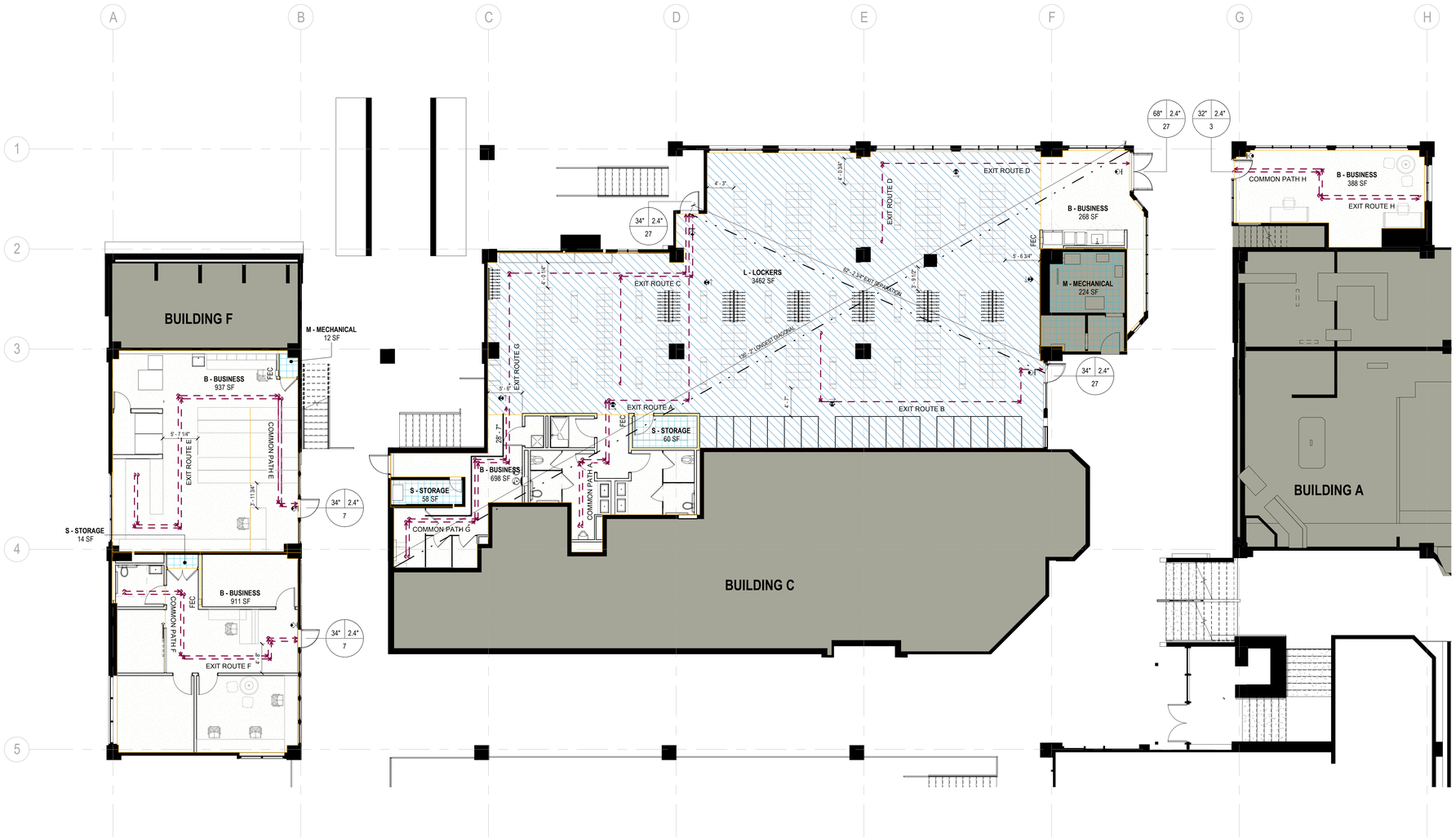
LIFE SAFETY - OCCUPANCY TABULATION BLG. C & F

OCCUPANCY TYPE	AREA	SQFT PER OCCUPANT	OCCUPANT LOAD
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	368 SF	300	4
BUSINESS AREAS - GENERAL (IBC)	3,203 SF	150	24
LOCKER ROOMS (IBC)	3,462 SF	50	70
Grand total	7,033 SF		97

TRAVEL DISTANCE

TRAVEL DISTANCE - BUILDINGS C & F

LEVEL	TRAVEL PATH	TOTAL DISTANCE
LEVEL 02	COMMON PATH A	23' - 9 3/4"
LEVEL 02	COMMON PATH E	71' - 6 1/4"
LEVEL 02	COMMON PATH F	40' - 10 1/2"
LEVEL 02	COMMON PATH G	39' - 11"
LEVEL 02	COMMON PATH H	33' - 3 3/4"
LEVEL 02	EXIT ROUTE A	67' - 4 3/4"
LEVEL 02	EXIT ROUTE B	51' - 8"
LEVEL 02	EXIT ROUTE C	38' - 7"
LEVEL 02	EXIT ROUTE D	52' - 0 1/4"
LEVEL 02	EXIT ROUTE E	72' - 6 1/4"
LEVEL 02	EXIT ROUTE F	40' - 10 1/2"
LEVEL 02	EXIT ROUTE G	99' - 0"
LEVEL 02	EXIT ROUTE H	34' - 4 1/2"



04 LIFE SAFETY PLAN - C, F, & A BUILDING LEVEL 02, BRIDGE LEVEL
SCALE: 1/8" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
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Tel 303.595.8585
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Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD Record Set TC 06/29/2021

Seal / Signature

STATE OF COLORADO · JON CHARLES CAMPBELL · 203617 · LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
CODE ANALYSIS, EGRESS, AND OCCUPANCY PLAN

Scale
As indicated

1B-G0.402

GRAPHIC SYMBOLS LEGEND	
	EGRESS ROUTE
	COMMON PATH OF TRAVEL
	LONGEST DIAGONAL
CR	SECURITY CARD READER
##	ROOM OCCUPANT LOAD
	1-HR FIRE RATING
	2-HR FIRE RATING
	EGRESS EXIT SIGNAGE
33" 13.6" 68	DOOR EGRESS WIDTH WIDTH PROVIDED WIDTH REQUIRED OCCUPANTS SERVED
	SPACE WITH ASSEMBLY USE, PART OF 7% ALLOWANCE (100 GSF/OCC)

OCCUPANCY TYPE DESIGNATION LEGEND

- Assembly without fixed seats - Unconcentrated (tables and chairs)
- Business areas
- Business areas, concentrated
- Accessory storage areas, mechanical equipment room

	EGRESS REQUIREMENTS - BUILDING A - LEVEL 03	EGRESS REQUIREMENTS - BUILDING A - LEVEL 04
TOTAL GROSS AREA OF TENANT - ENTIRE LEVEL:	APPROX. 5,764 SF	APPROX. 2,575 SF
TOTAL AREA IN SCOPE:	APPROX. 5,764 SF	APPROX. 1,955 SF
TENANT OCCUPANT LOADS:	IBC TABLE 1004.1.2	IBC TABLE 1004.1.2
ASSEMBLY (15 NSF/PERSON):	43 OCCUPANTS	0 OCCUPANTS
STORAGE (300 GSF/PERSON):	5 OCCUPANTS	3 OCCUPANTS
BUSINESS (50 GSF/PERSON):	16 OCCUPANTS	9 OCCUPANTS
BUSINESS (150 GSF/PERSON):	27 OCCUPANTS	10 OCCUPANTS
TOTAL:	**91 OCCUPANTS**	**22 OCCUPANTS**
EGRESS WIDTH REQUIREMENTS:	IBC 1005	IBC 1005
OTHER EGRESS COMPONENTS		
REQUIRED (0.15 IN/OCCUPANT):	13.6 INCHES	3.3 INCHES
PROVIDED AT EXIT STAIR DOORS:	102 INCHES	102 INCHES
EXIT STAIR WIDTH		
REQUIRED (0.2 IN/OCCUPANT)	18.2 INCHES	4.4 INCHES
PROVIDED AT EXIT STAIRS	42 INCHES	36 INCHES
	IBC 1005.1 and 1024.2	IBC 1005.1 and 1024.2
MINIMUM WIDTH OF EGRESS CORRIDOR REQUIRED:	42 INCHES	42 INCHES
	IBC TABLE 1006.3.1	IBC TABLE 1006.3.1
MINIMUM NUMBER OF EXITS REQUIRED:	2 EXITS	2 EXITS
NUMBER OF EXITS PROVIDED:	3 EXITS	2 EXITS
	IBC TABLE 1017.2	IBC TABLE 1017.2
MAXIMUM LENGTH OF EGRESS TRAVEL ALLOWED:	300 FEET (BUSINESS, SPRINKLER SYSTEM)	300 FEET (BUSINESS, SPRINKLER SYSTEM)
MAXIMUM LENGTH OF EGRESS TRAVEL PROVIDED:	108 FEET 3 INCHES	93 FEET .5 INCHES
	IBC TABLE 1006.2.1	IBC TABLE 1006.2.1
MAXIMUM COMMON PATH OF TRAVEL ALLOWED:	100 FEET (BUSINESS, SPRINKLER SYSTEM)	100 FEET (BUSINESS, SPRINKLER SYSTEM)
MAXIMUM COMMON PATH OF TRAVEL PROVIDED:	48 FEET 0.25 INCHES	29 FEET 8 INCHES
	IBC 1020.4 EXCEPTION 2	IBC 1020.4 EXCEPTION 2
MAXIMUM DEAD END CORRIDOR ALLOWED:	50 FEET (BUSINESS, SPRINKLER SYSTEM)	50 FEET (BUSINESS, SPRINKLER SYSTEM)
REMOTENESS OF EXITS:	IBC 1007.1.1, EXCEPTION 2	IBC 1007.1.1, EXCEPTION 2
(EXIT SEPERATION DIST. < 1/3 LENGTH OF MAX DIAG. DIST. OF THE AREA SERVED)		
LONGEST DIAGONAL	139 FEET 11 INCHES	139 FEET 11 INCHES
REMOTENESS OF EXITS	97 FEET 6 INCHES	57 FEET 6 INCHES

PLUMBING FIXTURES

PLUMBING FIXTURE REQUIREMENTS - LEVEL 03 & 04

OCCUPANCY TOTALS	'A'	'B'	'S'
	43	62	8

FIXTURE QUANTITIES		REQUIRED 'A'	REQUIRED 'B'	REQUIRED 'S'	TOTAL REQUIRED	PROVIDED
WATER CLOSETS	MEN	*22/125 =* **.18**	*1 + (6/25) =* **1.24**	*4/100 =* **.04**	**1.46**	**2.5***
	WOMEN	*22/65 =* **.33**	*1 + (6/25) =* **1.24**	*4/100 =* **.04**	**1.61**	**2.5***
LAVATORIES	MEN	*22/200 =* **.11**	*0 + (31/40) =* **.78**	*4/100 =* **.04**	**.93**	**1.5***
	WOMEN	*22/200 =* **.11**	*0 + (31/40) =* **.78**	*4/100 =* **.04**	**.93**	**1.5***
DRINKING FOUNTAINS		*43/500 =* **.09**	*62/100 =* **.62**	*8/1000 =* **.00**	**.71**	**2****

*UNISEX RESTROOM WATER CLOSET AND LAVATORY COUNTS HAVE BEEN APPLIED AS .5 PER EACH SEX.
** 50% OF REQUIRED DRINKING FOUNTAINS CAN BE WATER DISPENSERS, WITH A MINIMUM OF 1 HIGH AND 1 LOW FOUNTAIN.

OCCUPANCY TOTALS

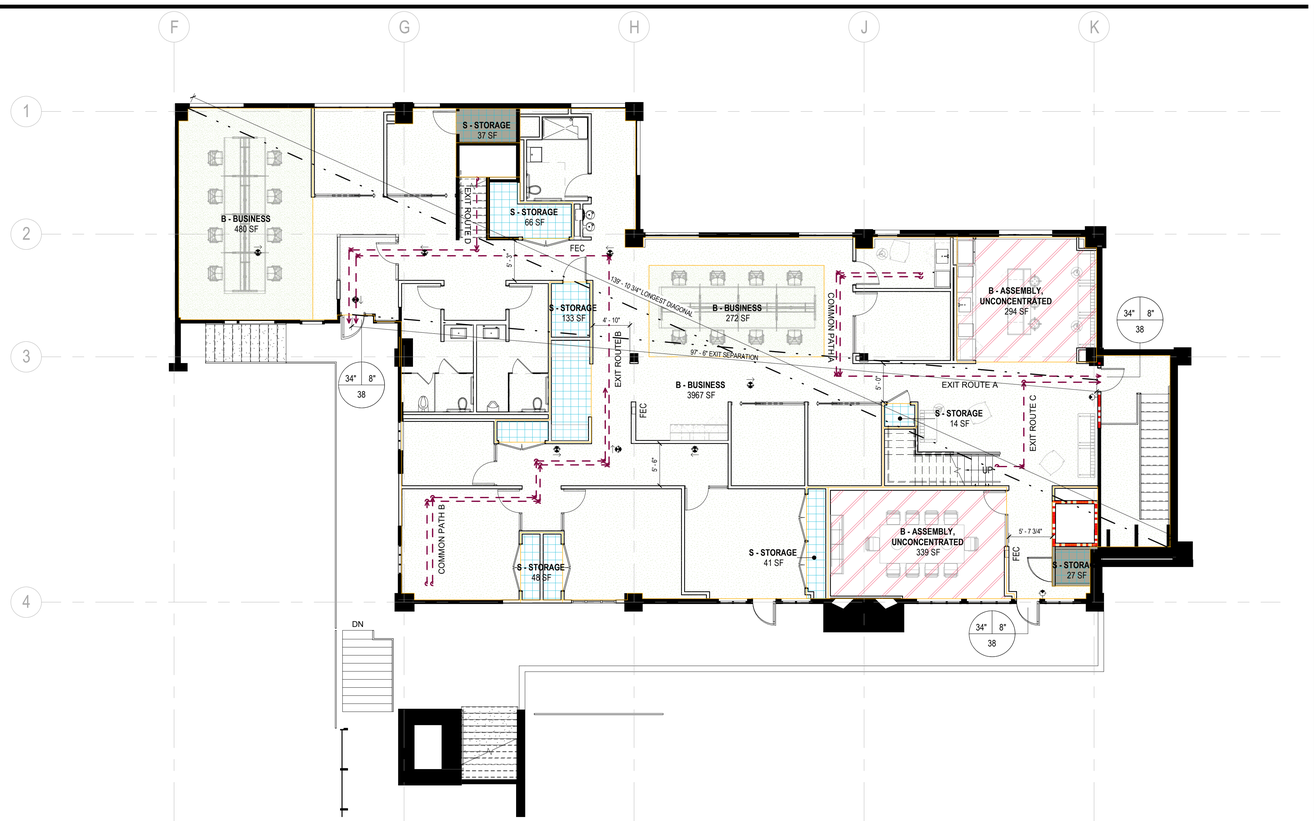
LIFE SAFETY - OCCUPANCY TABULATION BLG. A

Level	OCCUPANCY TYPE	AREA	SQFT PER OCCUPANT	OCCUPANT LOAD
LEVEL 04 - A BUILDING LEVEL 03	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	366 SF	300	5
LEVEL 04 - A BUILDING LEVEL 03	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	633 SF	15	43
LEVEL 04 - A BUILDING LEVEL 03	BUSINESS AREAS - CONCENTRATED (IBC)	753 SF	50	16
LEVEL 04 - A BUILDING LEVEL 03	BUSINESS AREAS - GENERAL (IBC)	3,967 SF	150	27
LEVEL 04 - A BUILDING LEVEL 03: 12		5,719 SF		91
LEVEL 05 - A BUILDING LEVEL 04	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	456 SF	300	3
LEVEL 05 - A BUILDING LEVEL 04	BUSINESS AREAS - CONCENTRATED (IBC)	437 SF	50	9
LEVEL 05 - A BUILDING LEVEL 04	BUSINESS AREAS - GENERAL (IBC)	1,376 SF	150	10
LEVEL 05 - A BUILDING LEVEL 04: 5		2,268 SF		22
		7,987 SF		113

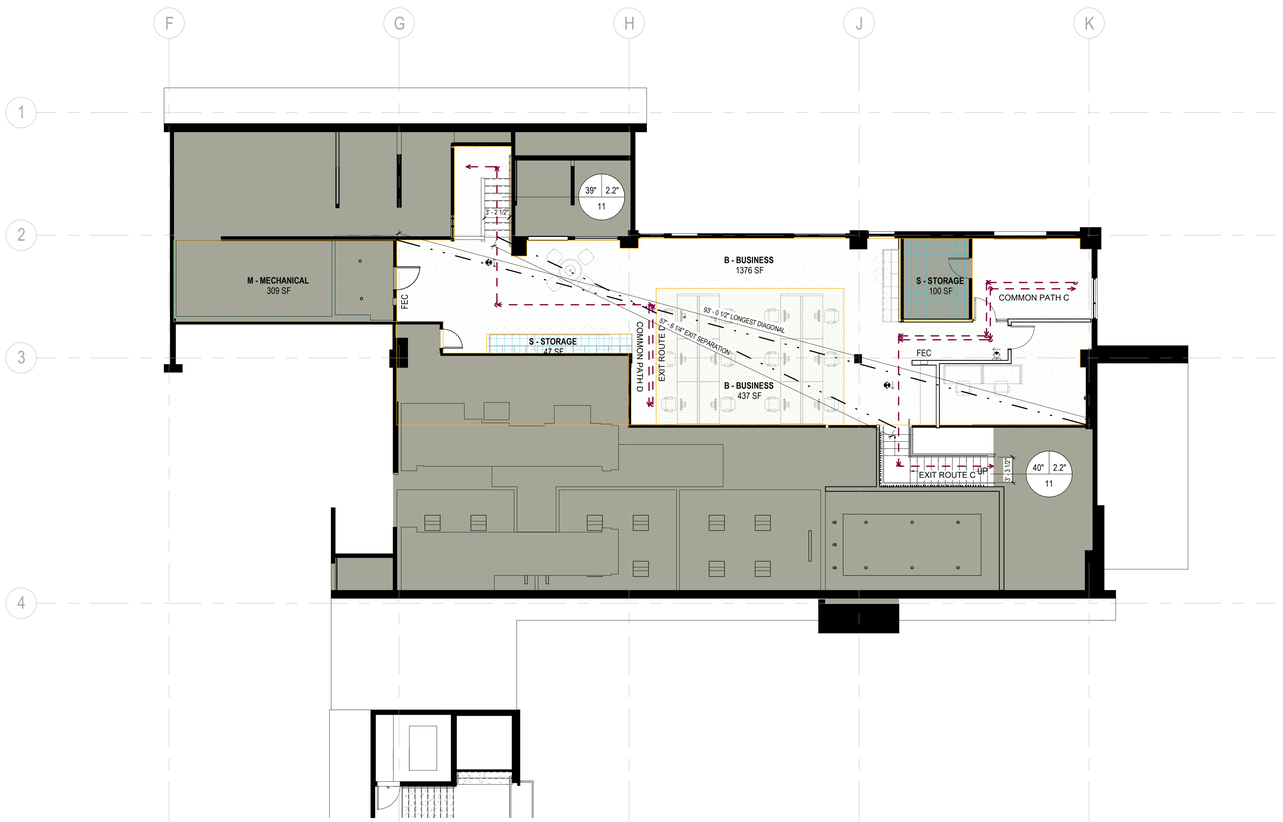
TRAVEL DISTANCE

TRAVEL DISTANCE - BUILDING A

LEVEL	TRAVEL PATH	TOTAL DISTANCE
LEVEL 03	COMMON PATH A	23' - 5 1/2"
LEVEL 03	COMMON PATH B	48' - 0 1/4"
LEVEL 04	COMMON PATH C	29' - 8 1/4"
LEVEL 04	COMMON PATH D	13' - 3"
LEVEL 03	EXIT ROUTE A	58' - 11 1/2"
LEVEL 03	EXIT ROUTE B	108' - 3"
LEVEL 04	EXIT ROUTE C	83' - 10 1/2"
LEVEL 04	EXIT ROUTE D	90' - 9 1/2"



02 LIFE SAFETY PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



04 LIFE SAFETY PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
--- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO · JOHN CHARLES TURNBULL · 203617 · LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
CODE ANALYSIS, EGRESS, AND OCCUPANCY PLAN

Scale
As indicated

1B-G0.403

SYMBOL	MANUFACTURER/DESCRIPTION
TL05	**TILE BACKSPLASH** **09 30 00 TILING** PRODUCT NAME: ON + OFF - MIX BLUE COLOR: BLUE FINISH: GLOSSY / MATTE MIX SIZE: 5" X 5" THICKNESS: 1/4" GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: MARIA KEBSCHULL, 303-591-2208 NOTE: "LONGER LEAD ITEM" PRIORITY MATERIAL ORDER
TL06	**TILE BASE** **09 30 00 TILING** MANUFACTURER: CROSSVILLE PRODUCT NAME: ALASKA COLOR: ICE FINISH: UNPOLISHED SIZE: 6" X 12" COVE BASE JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: PROVIDE AT ALL RESTROOM WALLS EXCEPT FOR WALLS WITH TL05 WALL TILE. REFER TO FINISH PLANS VENDOR CONTACT: ALYSA JOHNSON, 714-399-5577 NOTE: PROVIDE BRIGHT WHITE JOLLY SCHLUTER STRIP ALONG TOP EDGE AT PAINTED WALLS
TL07	**SHOWER FLOOR TILE** **09 30 00 TILING** MANUFACTURER: CROSSVILLE PRODUCT NAME: ALASKA COLOR: TUNDRA FINISH: UNPOLISHED SIZE: 2" X 2" MOSAIC THICKNESS: 10.5 MM GROUT: COLOR TBD LOCATION: REFER TO FINISH PLANS VENDOR CONTACT: ALYSA JOHNSON, 714-399-5577
TL08	**SUBWAY TILE** **09 30 00 TILING** MANUFACTURER: ROCA STYLE/SERIES: COLOR COLLECTION TYPE: CERAMIC SUBWAY WALL TILE COLOR: DENIM BRIGHT FINISH: GLOSSY SIZE: 3" X 6" THICKNESS: 7 MM GROUT: COLOR TBD LOCATION: REFER TO FINISH PLAN + ELEVATIONS VENDOR CONTACT: ALYSA JOHNSON, 714-399-5577
TL09	**RESTROOM FLOOR TILE** **09 30 00 TILING** MANUFACTURER: DALTILE PRODUCT NAME: EVER - COLORBODY PORCELAIN COLOR: DARK EV06 FINISH: MATTE SIZE: 12" X 24" THICKNESS: 5/16" GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: REFER TO FINISH PLAN + ELEVATIONS VENDOR CONTACT: ERIN JOHNSON, 303-513-3461
WC01	**WALLCOVERING - ACOUSTIC** **09 72 00 WALL COVERINGS** MANUFACTURER: DESIGNTEX PRODUCT NAME: WANNABE PRODUCT NUMBER: 6646 COLOR: TBD WIDTH: 63" DIRECTION: REFER TO ELEVATION FLAME RETARDANCY: ASTM E 84 ADHERED CLASS A LOCATION: REFER TO FINISH PLANS + ELEVATIONS VENDOR CONTACT: NINA ENTINE, 800-221-1540 NOTE: STRAIGHT HANG, RANDOM MATCH
WC02	**WALLCOVERING** **09 72 00 WALL COVERINGS** MANUFACTURER: KNOLL TYPE: TYPE II PRODUCT NAME: CASCADE PRODUCT NUMBER: WC24474 COLOR: POOL WIDTH: 52" FLAME RETARDANCY: ASTM E 84 ADHERED CLASS A LOCATION: REFER TO FINISH PLANS + ELEVATIONS VENDOR CONTACT: VERONICA LITTLETON, 720-900-9197 NOTE: MATCH, STRAIGHT HANG NOT USED
WC03	**WALLCOVERING** **09 72 00 WALL COVERINGS** MANUFACTURER: ASTEK STYLE/SERIES: PLAIDS COLLECTION TYPE: TYPE II PRODUCT NAME: EDINBURG PRODUCT NUMBER: SKU AD389-1 COLOR: RUSTIC WIDTH: 40.4" FLAME RETARDANCY: CLASS A LOCATION: REFER TO FINISH PLANS + ELEVATIONS VENDOR CONTACT: JEFF DEY, 720-900-9197 NOT USED
WC04	**CUSTOM MURAL / WALLCOVERING** **09 72 00 WALL COVERINGS** DESCRIPTION: CUSTOM TYPE II WALLCOVERING FLAME RETARDANCY: CLASS A LOCATION: REFER TO FINISH PLANS NOT USED
WD01	**WOOD MILLWORK** **06 40 23 INTERIOR ARCHITECTURAL WOODWORK** DESCRIPTION: RECLAIMED WOOD PANELING MANUFACTURER: PIONEER MILLWORKS STYLE/SERIES: AMERICAN PRAIRIE FAUX PAINTED COLOR: TO BE PAINTED SOLID TO MATCH PT01 SIZE: WIDTH : 4"-10", LENGTH : 24"-144" (RANDOM) THICKNESS: 5/8" DIRECTION: REFER TO ELEVATIONS FLAME RETARDANCY: CLASS A FLAME SPREAD RATING WITH A PENETRATING RETARDANT LOCATION: REFER TO FINISH PLANS + ELEVATIONS VENDOR CONTACT: JERED SLUSSER, 585-727-9914

SYMBOL	MANUFACTURER/DESCRIPTION
RT02	**RESILIENT FLOOR TILE** **09 65 19 RESILIENT STAIR FLOORING** MANUFACTURER: NORA BY INTERFACE STYLE/SERIES: HAMMERED TEXTURE PRODUCT NAME: NORAMENT SATURA TILE COLOR: 5116 ARCTURUS SIZE: 39.53 " x 39.53 " THICKNESS: 3.5 MM LOCATION: STAIRWELLS
RT03	**STATIC CONTROL RESILIENT FLOORING** **09 65 36 STATIC CONTROL RESILIENT FLOORING** MANUFACTURER: ARMSTRONG / TARKETT PRODUCT NAME: IQ GRANIT SD PRODUCT NUMBER: 314007005 COLOR: GRANIT SIDEWALK 0726 SIZE: 24" X 24" THICKNESS: 2 MM INSTALLATION PATTERN: MONOLITHIC LOCATION: REFER TO FINISH PLANS VENDOR CONTACT: KRISTIN KNIGHT, 720-749-0222
RT04	**RUBBER FLOORING** **09 65 36 RESILIENT FLOORING** MANUFACTURER: TARKETT PRODUCT NAME: TRIUMPH MULTI-FUNCTIONAL AND SPORTS RUBBER TILE PRODUCT NUMBER: SMH LB8 COLOR: MICROTONE VORTEX LB8 SIZE: 24" X 24" THICKNESS: 0.375 " INSTALLATION PATTERN: TBD LOCATION: REFER TO FINISH PLANS VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345
RT04 ALT	**RUBBER FLOORING - ALTERNATE** **09 65 36 RESILIENT FLOORING** MANUFACTURER: TARKETT PRODUCT NAME: REPLAY MULTI-FUNCTIONAL AND SPORTS RUBBER TILE COLOR: SOLID NIGHT BLACK SIZE: 24" X 24" THICKNESS: 0.375 " INSTALLATION PATTERN: TBD LOCATION: REFER TO FINISH PLANS VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345
SC01	**QUARTZ COUNTERTOP** **06 40 23 QUARTZ SURFACING COUNTERTOPS** MANUFACTURER: CAESARSTONE PRODUCT NAME: FRESH CONCRETE PRODUCT NUMBER: 4001 LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: LYNN VECHELL, 303-521-2606
SC02	**QUARTZ COUNTERTOP** **06 40 23 QUARTZ SURFACING COUNTERTOPS** MANUFACTURER: CAESARSTONE PRODUCT NAME: RAW CONCRETE PRODUCT NUMBER: 4004 LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: LYNN VECHELL, 303-521-2606
TL01	**TILE FLOOR** **09 30 00 TILING** MANUFACTURER: CERAMIC TECHNICS LTD PRODUCT NAME: PAVIMENTI OAK WOOD COLOR: PECAN FINISH: MATTE SIZE: 9" X 36" RECTIFIED GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: REFER TO FINISH PLANS + ELEVATIONS VENDOR CONTACT: BOB WILLEY, 303-807-2809
TL02	**WALL TILE** **09 30 00 TILING** MANUFACTURER: CROSSVILLE PRODUCT NAME: ALASKA COLOR: ICE FINISH: UNPOLISHED SIZE: 12" X 24" THICKNESS: 10.5 MM GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION INSTALLATION PATTERN: STACKED VERTICALLY LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: ALYSA JOHNSON, 714-399-5577 NOTE: PROVIDE BRIGHT WHITE VERTICAL JOLLY SCHLUTER STRIP AT OUTER CORNERS WHERE TILE TRANSITIONS TO PAINT
TL03	**TILE BACKSPLASH** **09 30 00 TILING** PRODUCT NAME: FRAMMENTI BIANCO MACRO PRODUCT NUMBER: FR10MA SIZE: 8" x 8" THICKNESS: 8.5 mm GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: MEGAN RICE, 303.722.1333
TL04	**TILE BACKSPLASH** **09 30 00 TILING** PRODUCT NAME: LUCE DI CERAMICA COLOR: TEAL FINISH: MATTE SIZE: 7-7/8" x 7-7/8" THICKNESS: 5/16" GROUT: COLOR TBD JOINT WIDTH: 1/8" - CONFIRM MANUFACTURER'S RECOMMENDATION LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: PHILLIP CHUMLEY, 903-452-0004

SYMBOL	MANUFACTURER/DESCRIPTION
PT02	**OFFICE ACCENT PAINT** **09 91 23 PAINTING** MANUFACTURER: SHERWIN WILLIAMS PRODUCT NUMBER: SW 7669 COLOR: SUMMIT GRAY FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: REFER TO FINISH PLAN + ELEVATIONS VENDOR CONTACT: PETER KREMM, 303-902-7239
PT03	**STAIR ACCENT PAINT** **09 91 23 PAINTING** DESCRIPTION: BLUE LOGO COLOR MANUFACTURER: BENJAMIN MOORE STYLE/SERIES: ULTRA SPEC 500 COLOR: COORDINATE WITH OWNER FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: - VENDOR CONTACT: ALLISON BERRY, 817-776-3247
PT04	**STAIR ACCENT PAINT** **09 91 23 PAINTING** DESCRIPTION: RED LOGO COLOR MANUFACTURER: BENJAMIN MOORE STYLE/SERIES: ULTRA SPEC 500 COLOR: COORDINATE WITH OWNER FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: - VENDOR CONTACT: ALLISON BERRY, 817-776-3247 NOT USED
PT05	**BREAK ACCENT PAINT** **09 91 23 PAINTING** MANUFACTURER: SHERWIN WILLIAMS PRODUCT NUMBER: SW 6215 COLOR: ROCKY RIVER FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: REFER TO FINISH PLAN - ELEVATIONS VENDOR CONTACT: PETER KREMM, 303-902-7239 NOT USED
PT06	**ACCENT PAINT** **09 91 23 PAINTING** MANUFACTURER: SHERWIN WILLIAMS PRODUCT NUMBER: SW 0031 COLOR: DUTCH TILE BLUE FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: MOTHER'S ROOM VENDOR CONTACT: PETER KREMM, 303-902-7239
RB01	**RUBBER WALL BASE** **09 65 13 RESILIENT BASE AND ACCESSORIES** MANUFACTURER: TARKETT / JOHNSONITE COLOR: 08 ICICLE SIZE: 4" HIGH LOCATION: TYPICAL U.N.O. VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345 NOTE: STRAIGHT AT CARPET, COVED AT RESILIENT FLOORING
RB02	**RUBBER WALL BASE** **09 65 13 RESILIENT BASE AND ACCESSORIES** MANUFACTURER: TARKETT / JOHNSONITE PRODUCT NAME: MONUMENT MILLWORK BASE PRODUCT NUMBER: MW-08-S4 COLOR: 08 ICICLE SIZE: 4" HIGH LOCATION: TO BE USED AT TL01, U.N.O. VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345
RB03	**RUBBER WALL BASE** **09 65 13 RESILIENT BASE AND ACCESSORIES** MANUFACTURER: TARKETT / JOHNSONITE PRODUCT NAME: MONUMENT MILLWORK BASE PRODUCT NUMBER: MW-XX-S4 COLOR: TBD SIZE: 4" HIGH VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345
RS01	**RESILIENT STAIR FLOORING** **09 65 19 RESILIENT STAIR FLOORING** MANUFACTURER: NORA BY INTERFACE STYLE/SERIES: HAMMERED TEXTURE PRODUCT NAME: STAIRTREAD NORAMENT SATURA COLOR: 5116 ARCTURUS THICKNESS: 5 MM LOCATION: STAIRS NOTE: VISUALLY IMPAIRED STRIPS ADDED TO TREAD : COLOR TBD
RT01	**RESILIENT FLOOR TILE** **09 65 19 RESILIENT TILE FLOORING** MANUFACTURER: ARMSTRONG / TARKETT PRODUCT NAME: IMPERIAL TEXTURE -STANDARD EXCELON PRODUCT NUMBER: 57532 COLOR: GRAYSON SIZE: 12" X 12" THICKNESS: 1/8" INSTALLATION PATTERN: MONOLITHIC LOCATION: REFER TO FINISH PLANS VENDOR CONTACT: KRISTIN KNIGHT, 720-749-0222

SYMBOL	MANUFACTURER/DESCRIPTION
GL01	**GLAZING** **08 80 00 GLAZING** DESCRIPTION: CLEAR TEMPERED GLASS 1/2" DESCRIPTION (CONT): REFER TO ELEVATIONS AND DETAILS FOR LOCATIONS MANUFACTURER: GENERAL CONTRACTOR NOTE: POLISHED EDGES
GL02	**EXTERIOR GLAZING** **08 80 00 GLAZING** DESCRIPTION: INSULATED GLASS MANUFACTURER: VITRO OR EQUAL PRODUCT NAME: SOLARBAN 70 (CLEAR / CLEAR) THICKNESS: 1"
MT01	**DECORATIVE METAL** **05 70 00 DECORATIVE METAL** DESCRIPTION: BLACKENED STEEL CLADDING MATERIAL: 1018 STEEL COLD ROLLED FLAT FINISH: CLEAR MATTE SEALER THICKNESS: REFER TO DETAILS LOCATION: REFER TO FINISH PLAN + ELEVATIONS NOTE: TO MATCH ARCHITECTS SAMPLE, PROVIDE SAMPLES FOR APPROVAL
MT02	**DECORATIVE METAL** **05 70 00 DECORATIVE METAL** MANUFACTURER: AMERICAN TIN CEILINGS STYLE/SERIES: PATTERN #1 MATERIAL: T1 GRADE TIN-PLATED STEEL COLOR: TO BE PAINTED, COLOR : TBD FINISH: UNFINISHED SIZE: 24" X 24" THICKNESS: 0.010" FLAME RETARDANCY: ASTM 84-03B SUBSTRATE: PLYWOOD LOCATION: REFER TO FINISH PLAN + ELEVATIONS NOTE: NAIL-UP INSTALLATION. PREP UNFINISHED METAL WITH OIL-BASED PRIMER BEFORE APPLYING / SPRAYING CUSTOM COLOR PAINT.
MT03	**DECORATIVE METAL** **05 70 00 DECORATIVE METAL** DESCRIPTION: PAINTED METAL MATERIAL: PAINTED METAL FINISH: MATTE BLACK THICKNESS: REFER TO DETAILS LOCATION: STAIR RAILING
PL01	**PLASTIC LAMINATE** **06 40 23 INTERIOR ARCHITECTURAL WOODWORK** MANUFACTURER: FORMICA PRODUCT NAME: PECAN WOODLINE PRODUCT NUMBER: 5883-58 FINISH: MATTE LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: WENDY LEIGH, 720-626-6353
PL02	**PLASTIC LAMINATE** **06 40 23 INTERIOR ARCHITECTURAL WOODWORK** MANUFACTURER: FORMICA PRODUCT NAME: FENIX PRODUCT NUMBER: J0750 COLOR: VERDE COMODORO FINISH: MATTE LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: WENDY LEIGH, 720-626-6353
PL03	**PLASTIC LAMINATE** **06 40 23 INTERIOR ARCHITECTURAL WOODWORK** MANUFACTURER: FORMICA PRODUCT NUMBER: 923 COLOR: SURF FINISH: MATTE LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: WENDY LEIGH, 720-626-6353
PL04	**PLASTIC LAMINATE** **06 40 23 INTERIOR ARCHITECTURAL WOODWORK** MANUFACTURER: FORMICA PRODUCT NAME: FENIX PRODUCT NUMBER: TBD COLOR: TBD FINISH: MATTE LOCATION: REFER TO ELEVATIONS VENDOR CONTACT: WENDY LEIGH, 720-626-6353
PT01	**TYPICAL PAINT** **09 91 23 PAINTING** MANUFACTURER: BENJAMIN MOORE STYLE/SERIES: ULTRA SPEC 500 PRODUCT NUMBER: 2121-70 COLOR: CHANTILLY LACE FINISH: WALLS TO BE EGGSHELL, CEILINGS TO BE FLAT, RESTROOMS TO BE SATIN, RUNNING BASE AND TRIM TO BE SEMI-GLOSS, DOORS AND FRAMES TO BE SEMI-GLOSS, EXPOSED STRUCTURE/SYSTEMS TO BE DRY FALL PAINT LOCATION: TYPICAL, U.N.O. VENDOR CONTACT: ALLISON BERRY, 817-776-3247

SYMBOL	MANUFACTURER/DESCRIPTION
CL01	**GYPSUM BOARD CEILING** **09 29 00 GYPSUM BOARD** DESCRIPTION: TYPICAL GYPSUM BOARD CEILING COLOR: PT01, U.N.O. ON REFLECTED CEILING PLAN FINISH: LEVEL '5' FINISH CONSTRUCTION: REFER TO SPECIFICATIONS LOCATION: REFER TO RCP PLANS
CL02	**ACOUSTICAL PANEL CEILING** **09 51 13 ACOUSTICAL PANEL CEILINGS** MANUFACTURER: ARMSTRONG WORLD INDUSTRIES INC. PRODUCT NAME: ULTIMA COLOR: WHITE SIZE: 24' X 24" FLAME RETARDANCY: CLASS A (UL) FIRE RESISTIVE GRID COLOR: WHITE GRID SIZE: SUPRAFINE 9/16" GRID STYLE: BEVELED TEGULAR LOCATION: REFER TO RCP PLANS VENDOR CONTACT: XAVIER SOLIS, 717-396-2739
CP01	**CARPET - MODULAR TILE** **09 68 13 TILE CARPETING** MANUFACTURER: TARKETT PRODUCT NAME: SUBSTANCE PRODUCT NUMBER: 11449 COLOR: PURE PARCHMENT 76207 SIZE: 18" x 36" FLAME RETARDANCY: CLASS 1 - ASTM E648, SMOKE DENSITY: 450 OR LESS, ASTM E662 BACKING: ETHOS INSTALLATION PATTERN: VERTICAL ASHLAR LOCATION: TYPICAL, U.N.O. VENDOR CONTACT: ANTHIA KAPPOS, 303 579-0345 NOTE: AVAILABLE AS QUICKSHIP PRODUCT
CP02	**CARPET - WALK-OFF** **09 68 13 TILE CARPETING** MANUFACTURER: BENTLEY PRODUCT NAME: ROUGH IDEA SHEAR PRODUCT NUMBER: #8RN24 COLOR: TBD SIZE: 24" X 24" FLAME RETARDANCY: < 450 DM CORR (ASTM-E662) PASSES METHENAMINE PILL TEST (CPSC-FF1-70) INSTALLATION PATTERN: ASHLAR LOCATION: VESTIBULE VENDOR CONTACT: LAURA POWERS, 720.990.0782
EP01	**EPOXY FLOOR PAINT** **09 68 16 EPOXY FLOOR PAINT** MANUFACTURER: PPG PRODUCT NAME: PPG GENERAL PURPOSE FLOORING SYSTEM MATERIAL: EPOXY FLOOR PAINT COLOR: LIGHT GREY LOCATION: LAUNDRY NOTE: WITH 6" HIGH INTEGRAL COVE BASE DETAIL CONCRETE EPOXY PRIMER 3-8 MILLS DFT, CRACK FILLER, SELF-LEVELING EPOXY - 30 MILLS DFT, TINT PACK. USE MOISTURE MITIGATING PRIMER AS REQ'D. MOISTURE VAPOR TRANSMISSION SHOULD BE LESS THAN 20 LBS OVERALL 1000 SF AREA DURING A 24 HOUR PERIOD, MEASURED AND CONFIRMED THROUGH A CALCIUM CHLORIDE TEST PER ASTMF 1869 OR LESS THAN 95% PER ASTMF 2170
EX01	**EXPOSED CEILING** DESCRIPTION: EXPOSED TO STRUCTURE CEILING DESCRIPTION (CONT): W/ DRYFALL PAINT COLOR: PAINT TO MATCH PT01 LOCATION: REFER TO RCP PLANS NOTE: EXPOSED STRUCTURE TO BE CLEARED OF ALL EXISTING & ABANDONED HANGERS, STRAPS, CONDUIT, CABLING & DEVICES. CLEAN ALL DUST AND DIRT. CLEAN AND PREPARE STRUCTURE AND DUCTWORK, ETC. FOR NEW DRYFALL PAINT
EX02	**EXPOSED CEILING** LOCATION: EXPOSED TO STRUCTURE CEILINGS IN BUILDING A. REFER TO RCP PLANS. NOTE: ALL EXISTING WOOD PANELING TO REMAIN, PATCH AND REPAIR WOOD TONGUE AND GROOVE MATERIAL AS NEEDED. EXPOSED MECHANICAL TO BE PAINTED PT01.
EX03	**EXPOSED CEILING** LOCATION: EXPOSED TO STRUCTURE CEILINGS IN BUILDING C AND F. NOTE: EXISTING EXPOSED TO STRUCTURE CEILINGS – TO REMAIN AS IS. DO NOT PAINT EXPOSED CEILING OR EXPOSED MECHANICAL.
GF01	**DECORATIVE WINDOW FILM** **08 80 00 DECORATIVE WINDOW FILM** DESCRIPTION: PVC-FREE POLYESTER FILM MANUFACTURER: SKYLINE DESIGN PRODUCT NAME: PERSPECTIVE BY SUZANNE TICK COLOR: WHITE SIZE: 36" CONTINOUS ROLL LOCATION: MEETING ROOM GLASS FRONTS VENDOR CONTACT: LAURA KOWERT, 773-969-5874 NOTE: REFER TO ELEVATION
GF02	**DECORATIVE WINDOW FILM** **08 80 00 DECORATIVE WINDOW FILM** DESCRIPTION: PVC-FREE POLYESTER FILM MANUFACTURER: SKYLINE DESIGN PRODUCT NAME: PERSPECTIVE BY SUZANNE TICK COLOR: WHITE SIZE: 18" CONTINOUS ROLL LOCATION: OFFICE GLASS FRONTS VENDOR CONTACT: LAURA KOWERT, 773-969-5874 NOTE: REFER TO ELEVATION

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD Record Set TC 06/29/2021

Seal / Signature

STATE OF COLORADO JOHN CHARLES STARRELL 203617 REGISTERED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
FINISH MATERIALS SCHEDULE

Scale
12" = 1'-0"

1B-G0.500

CODE	MANUFACTURER/DESCRIPTION
310	**COAT HOOK - STAINLESS** DESCRIPTION: SINGLE COAT HOOK MANUFACTURER: BRADLEY MODEL NUMBER: 9114 BRADEX FINISH/COLOR: SATIN STAINLESS STEEL SIZE: 2" PROJECTION NOTE: MOUNT ON DOOR AT ADA HEIGHT
311	**MIRROR - RESTROOMS** DESCRIPTION: RESTROOM MIRROR MANUFACTURER: REJUVENATION MODEL NAME: ROUNDED RECTANGLE METAL FRAMED MIRROR MODEL NUMBER: ITEM # E4773 FINISH/COLOR: OIL RUBBED BRONZE SIZE: 24"W x 36"H x 1-1/4" D
312	**MIRROR - MOTHER'S ROOM** DESCRIPTION: MOTHER'S ROOM MANUFACTURER: WEST ELM MODEL NAME: INFINITY BLACK ROUND WALL MIRROR 36" FINISH/COLOR: BLACK SIZE: 36" W x 1" D
313	**MOP HANGER** DESCRIPTION: SINGLE COAT HOOK MANUFACTURER: BRADLEY MODEL NUMBER: 9953 FINISH/COLOR: STAINLESS STEEL SIZE: 24"W X 4"H X 2 3/4"D NOTE: 3 HOLDERS
314	**SHOWER SEAT** DESCRIPTION: SHOWER SEAT DESCRIPTION (CONT): ADA COMPLIANT MANUFACTURER: MOEN MODEL NUMBER: DN7110 FINISH/COLOR: TEAK AND OIL RUBED BRONZE SIZE: 20" W x 15" D
315	**COAT HOOK - BLACK** DESCRIPTION: SINGLE COAT HOOK MANUFACTURER: THE SPLASH LAB MODEL NAME: COAT HOOK MODEL NUMBER: TSL-974BK FINISH/COLOR: BLACK NOTE: MOUNT AT ADA HEIGHT
316	**MIRROR - SHOWER** DESCRIPTION: RESTROOM MIRROR - FLOOR MOUNTED MANUFACTURER: REJUVENATION MODEL NAME: FLOOR LENGTH METAL FRAMED MIRROR MODEL NUMBER: ITEM #E1099 FINISH/COLOR: OIL RUBBED BRONZE SIZE: 24"W x 66"H x 2" D NOTE: TO BE SECURED TO THE WALL
317	**SHOWER CURTAIN, ROD + HOOKS** DESCRIPTION: SHOWER CURTAIN AND ROD MANUFACTURER: BOBRICK MODEL NAME: CLASSIC SERIES EXTRA-HEAVY-DUTY SHOWER CURTAIN ROD MODEL NUMBER: B-6047 SIZE: 60" AND 72" NOTE: SHOWER C.205 : 60", SHOWER A.326 : 72" PROVIDE : BOBRICK SHOWER CURTAIN (204-3) AND BOBRICK STAINLESS STEEL SHOWER CURTAIN HOOKS (204-1)

CODE	MANUFACTURER/DESCRIPTION
300	**TOILET PARTITIONS** DESCRIPTION : STANDARD HEIGHT PHENOLIC TOILET AND URINAL PARTITIONS, FLOOR MOUNTED WITH HEADRAIL AND TYPICAL HARDWARE. PARTITIONS TO COMPLY WITH ADA REGULATIONS AS SHOWN. PROVIE STANDRAD ISSUE TOILET ACCESSORIES, CLIENT TO CONFIRM.
301	**ADA 36" GRAB BAR** DESCRIPTION: 36" ADA GRAB BARS MANUFACTURER: BOBRICK MODEL NUMBER: B-6806-36 FINISH/COLOR: STAINLESS STEEL SIZE: 1 1/2" DIA.
302	**ADA 42" GRAB BAR** DESCRIPTION: 42" ADA GRAB BARS MANUFACTURER: BOBRICK MODEL NUMBER: B-6806.99 X 42 FINISH/COLOR: STAINLESS STEEL, PEENED SIZE: 1 1/2" DIA.
303	**ADA 18" GRAB BAR** DESCRIPTION: 18" ADA GRAB BARS MANUFACTURER: BOBRICK MODEL NUMBER: B-6806 x 18 FINISH/COLOR: STAINLESS STEEL SIZE: 1 1/2" DIA.
304	**PAPER TOWEL DISPENSER / WASTE** DESCRIPTION: RECESSED WALL UNIT WITH WASTE RECEPTACLE MANUFACTURER: KIMBERLY-CLARK CORP. MODEL NUMBER: 35370 FINISH/COLOR: STAINLESS STEEL SIZE: 11½" W x 54½" H x 4" D PAPER TOWEL DISPENSER : DESCRIPTION : PACIFIC BLUE ULTRA AUTOMATED HIGH-CAPACITY MANUFACTURER : GEORGIA PACIFIC MODEL NUMBER : MFR # 59590 FINISH/COLOR : BLACK SIZE : 16" H x 12.9" W X 9" D NOTE : BY OWNER
305	**TOILET TISSUE DISPENSER** DESCRIPTION: TOILET TISSUE DISPENSER DESCRIPTION (CONT): PACIFIC BLUE ULTRA 4-ROLL CORELESS HIGH-CAPACITY MANUFACTURER: GEORGIA PACIFIC MODEL NUMBER: MFG # 56602A FINISH/COLOR: SMOKE SIZE: 17 W" x 5.5 D" x 16 H" NOTE: BY OWNER
306	**SOAP DISPENSER** DESCRIPTION: SOAP DISPENSER DESCRIPTION (CONT): PACIFIC BLUE ULTRA AUTOMATED TOUCHLESS SOAP & SANITIZER DISPENSER MANUFACTURER: GEORGIA PACIFIC MODEL NUMBER: MFG # 53590 FINISH/COLOR: BLACK NOTE: BY OWNER
307	**SANITARY NAPKIN DISPOSAL** DESCRIPTION: SANITARY NAPKIN DISPOSAL MANUFACTURER: BOBRICK MODEL NAME: SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL MODEL NUMBER: B-270 FINISH/COLOR: STAINLESS STEEL
308	**TOILET SEAT COVER DISPENSER** DESCRIPTION: TOILET SEAT COVER DISPENSER MANUFACTURER: BOBRICK MODEL NAME: CLASSIC SERIES SURFACE-MOUNTED SEAT-COVER DISPENSER MODEL NUMBER: B-221 FINISH/COLOR: STAINLESS STEEL SIZE: 15 3/4"W x 11"H x 2"D
309	**NAPKIN / TAMPON VENDOR** DESCRIPTION: NAPKIN/TAMPON VENDOR MANUFACTURER: BOBRICK MODEL NAME: CLASSIC SERIES, RECESSED OR SEMI-RECESSED MODEL NUMBER: B-3706C FINISH/COLOR: SATIN STAINLESS STEEL SIZE: 12 3/4"W x 17 1/8"H x 4" D

CODE	MANUFACTURER/DESCRIPTION
200	**SINK (BREAK + PANTRY)** DESCRIPTION: SINGLE BOWL UNDERMOUNT ADA SINK DESCRIPTION (CONT): WITH PERFECT DRAIN KIT (LKPDQ1LS) MANUFACTURER: ELKAY MODEL NAME: QUARTZ CLASSIC MODEL NUMBER: ELGUAD2519PD FINISH/COLOR: BLACK (BK) SIZE: 25" x 18-1/2" x 5-1/2" FAUCET: KOHLER - CRUE K-22974 - FINISH : MATTE BLACK
201	**GARBAGE DISPOSAL** DESCRIPTION: FOOD WASTE DISPOSAL MANUFACTURER: INSINKERATOR MODEL NAME: BADGER 5 NOTE: TO BE USED WITH BREAK + PANTRY SINKS
202	**SINK (MOTHER'S ROOM)** DESCRIPTION: SINGLE BOWL UNDERMOUNT ADA SINK MANUFACTURER: ELKAY MODEL NAME: LUSTERTONE CLASSIC STAINLESS STEEL SINK MODEL NUMBER: ELUHAD111655 FINISH/COLOR: STAINLESS STEEL SIZE: 14" x 18-1/2" x 5-3/8" FAUCET: KOHLER - CRUE K-22974 - FINISH : STAINLESS STEEL
203	**DRINKING FOUNTAIN** DESCRIPTION: DRINKING FOUNTAIN NOTE: REFER TO MEP DRAWINGS
250	**LAVATORY (TYPICAL RESTROOM)** DESCRIPTION: UNDERMOUNT LAVATORY NOTE: REFER TO MEP DRAWINGS
251	**WATER CLOSET** DESCRIPTION: WATER CLOSET NOTE: REFER TO MEP DRAWINGS
252	**URINAL** DESCRIPTION: URINAL NOTE: REFER TO MEP DRAWINGS
253	**LAVATORY (UNISEX RESTROOM)** DESCRIPTION: UNDERMOUNT LAVATORY NOTE: REFER TO MEP DRAWINGS
254	**SHOWER HEAD / CONTROLS** DESCRIPTION: SHOWER HEAD + CONTROLS NOTE: REFER TO MEP DRAWINGS

CODE	MANUFACTURER/DESCRIPTION
100	**REFRIGERATOR + FREEZER** DESCRIPTION: REFRIGERATOR FREEZER COMBO DESCRIPTION (CONT): PROFESSIONAL 22.3 CU. FT. FRENCH DOOR COUNTER-DEPTH REFRIGERATOR MANUFACTURER: FRIDIGAIRE MODEL NUMBER: FPBG2278UF FINISH/COLOR: STAINLESS STEEL SIZE: 36" W x 70 3/16" (HEIGHT W/ HINGE) X 29 7/8" (DEPTH W/ DOOR + HANDLE) PLUMBING: RE: MANUFACTURER'S SPECS
101	**DISHWASHER** DESCRIPTION: BUILT-IN DISHWASHER (ADA COMPLIANT) DESCRIPTION (CONT): 30 SERIES DISHWASHER TUBULAR HANDLE MANUFACTURER: ASKO MODEL NUMBER: DBI663THS FINISH/COLOR: STAINLESS STEEL SIZE: 24" W x 32 11/16" H x 22" D PLUMBING: RE: MANUFACTURER'S SPECS
102	**MICROWAVE** DESCRIPTION: COUNTERTOP SENSOR MICROWAVE OVEN DESCRIPTION (CONT): 2.2 CU. FT. MANUFACTURER: GE MODEL NUMBER: PES7227SLSS FINISH/COLOR: STAINLESS STEEL SIZE: 24 1/8" W x 14" H x 19 3/4" D
103	**WATER DISPENSER / ICE MAKER** DESCRIPTION: COUNTERTOP WATER DISPENSER / ICE MAKER DESCRIPTION (CONT): AIR-COOLED MANUFACTURER: HOSHIZAKI MODEL NUMBER: DCM-270BAH-OS FINISH/COLOR: STAINLESS STEEL SIZE: 16-9/16" W x 27-11/16" H x 24-1/8" D PLUMBING: RE: MANUFACTURER'S SPECS. G.C. TO PROVIDE WATER LINE AND FILTER
104	**REFRIGERATOR W/ WATER DISPENSER** DESCRIPTION: REFRIGERATOR FREEZER WITH WATER / ICE DISPENSER DESCRIPTION (CONT): GALLERY 21.7 CU. FT. COUNTER-DEPTH FRENCH DOOR REFRIGERATOR MANUFACTURER: FRIGIDAIRE MODEL NUMBER: FGHD2368TF FINISH/COLOR: STAINLESS STEEL SIZE: 36" W x 70 3/16" (HEIGHT W/ HINGE) X 31" (DEPTH W/ DOOR + HANDLE)
105	**COFFEE MAKER** DESCRIPTION: COFFEE MAKER MODEL NAME: SERENADE™ SINGLE-CUP BREWER SIZE: 24" W x 49" H x 24" D (INCLUDES CLEARANCE FOR VENTILATION) PLUMBING: G.C. TO PROVIDE WATER LINE AND FILTER NOTE: RE: MANUFACTURER'S SPECS. GC/MILLWORKER TO COORD. CUT OUT REQUIRED IN COUNTERTOP AND PROVIDE SST GROMMET/CHUTE INTO WASTE BIN IN BASE CABIBENT BELOW. EQUIPMENT PROVIDED BY OWNER
106	**UNDER-COUNTER REFRIGERATOR** DESCRIPTION: UNDERCOUNTER REFRIGERATOR DESCRIPTION (CONT): 24" ADA COMPLIANT LOW PROFLE ALL REFRIGERATOR MANUFACTURER: MARVEL MODEL NUMBER: MA24RAS1 FINISH/COLOR: STAINLESS STEEL SIZE: 23-7/8" W x 31" H x 25-5/8" D (W/ HANDLE) NOTE: REF ELEVATION FOR DOOR HANDLE + HINGE LOCATION
107	**PRINTER** DESCRIPTION: COLOR PRODUCTION PRINTER MANUFACTURER: RICOH MODEL NAME: RICOH PRO C5300 SIZE: 31.4" W x 34.6" D x 64.9" H (INCLUDES ADF + STATUS LIGHT POLE) NOTE: EQUIPMENT PROVIDED BY OWNER
108	**PRINTER** DESCRIPTION: PRINTER MANUFACTURER: RICOH MODEL NAME: RICOH IM C4500 SIZE: 23.1" W x 27" D x 37.9" H NOTE: EQUIPMENT PROVIDED BY OWNER
109	**COFFEE BREWER** DESCRIPTION: COFFEE BREWER MANUFACTURER: BUNN MODEL NAME: AXIOM DUAL VOLTAGE SINGLE AIRPOT BREWER SIZE: 23.6" H x 9" W x 18.5" D NOTE: EQUIPMENT PROVIDED BY OWNER

EQPT. GENERAL NOTES

A. ELECTRICAL CONTRACTOR TO VERIFY WITH EACH MANUFACTURER OF EQUIPMENT FOR ALL SPECIAL REQUIREMENTS (IE. PROVIDING AND INSTALLING SPECIAL RECEPTACLES, ATTACHING END CONNECTORS ON CABLES OR CABLES TO MACHINES, ETC.). IF NOT SPECIFICALLY EXCLUDED FROM CONTRACT AGREEMENT, ALL CONNECTIONS SHALL BE CONSIDERED TO BE INCLUDED IN THE WORK OF THE ELECTRICAL CONTRACTOR.

B. SHOULD DISCREPANCIES IN EQUIPMENT INFORMATION OCCUR, G.C. SHALL NOTIFY DESIGNER AND CONSULT MANUFACTURER'S INSTALLATION INFORMATION.

C. G.C. TO PROVIDE ELECTRICAL AND PLUMBING HOOK-UPS FOR EQUIPMENT AS REQUIRED PER THE EQUIPMENT, MANUFACTURER, AND CODE.

D. PROJECTION SCREEN SWITCHES IN ROOMS ARE TO BE GANGED WITH DEVICES ON A SINGLE COMMON FACE PLATE. SWITCH SHALL MATCH STYLE, COLOR AND FINISH OF LUTRON DEVICES.

E. SEE REFLECTED CEILING PLAN DRAWINGS FOR ADDITIONAL INFORMATION, SPECIAL EQUIPMENT LOCATED IN CEILINGS (IE. PROJECTION SCREENS), ETC., TYPICAL

F. REFER TO REFLECTED CEILING PLAN FOR GENERAL NOTES PERTAINING TO LIGHT FIXTURES.

EQUIPMENT CODE LEGEND

100 - APPLIANCES:
ITEMS INDICATED AS "N.I.C." SHALL BE PROVIDED BY TENANT AND INSTALLED BY CONTRACTOR. ALL OTHER ITEMS SHALL BE PROVIDED & INSTALLED BY CONTRACTOR.

200 - PLUMBING:
ALL ITEMS SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, U.N.O.

300 - RESTROOM ACCESSORIES:
ALL ITEMS SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, U.N.O.

400 - GENERAL OFFICE EQUIPMENT:
ALL ITEMS SHALL BE PROVIDED AND INSTALLED BY OWNER, U.N.O. GENERAL CONTRACTOR TO COORDINATE.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES CAMPBELL
203617
LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
EQUIPMENT SCHEDULE

Scale
1 : 1

1B-G0.550

CODE	MANUFACTURER/DESCRIPTION	CODE	MANUFACTURER/DESCRIPTION	CODE	MANUFACTURER/DESCRIPTION	CODE	MANUFACTURER/DESCRIPTION
				500	**COMMERCIAL DRYER** DESCRIPTION: TUMBLE DRYER DESCRIPTION (CONT): COORD. WITH MEP DWGS MANUFACTURER: SPEED QUEEN MODEL NAME: SINGLE TUMBLE DRYER 75 LBS MODEL NUMBER: ST075 SIZE: 38.5"W x 77.3"H x 53" D NOTE: COORD. WITH OWNER FINAL SPECIFICATION. COORDINATE THERMAL ENCLOSURE WITH REQUIRED CLEARANCES FOR DRYER.	400	**12" WIDE LOCKERS** DESCRIPTION: 12" WIDE LOCKERS DESCRIPTION (CONT): GC TO COORD. TOTAL 3 WIDE VS. SINGLE LOCKERS MANUFACTURER: SCHOOLLOCKERS.COM - JOREGENSON MODEL NAME: VENTILATED, 2 TALL, VISUAL PERF, NO LEGS, 3W, ZEE BASE 4" H MODEL NUMBER: 100079216 FINISH/COLOR: BALTIC BLUE SIZE: 12"W x 72"H x 15" D NOTE: COORD. WITH OWNER FINAL SPECIFICATION. TO BE SECURED TO THE WALL OR FLOOR *NOTE - BUILDING C - 482 TOTAL LOCKERS 25 LOCKERS TO BE ADA
				501	**COMMERCIAL WASHING MACHINE** DESCRIPTION: COMMERCIAL WASHING MACHINE DESCRIPTION (CONT): COORD. WITH MEP DWGS MANUFACTURER: SPEED QUEEN MODEL NAME: SOFTMOUNT WASHER-EXTRACTOR MODEL NUMBER: SYN070 SIZE: 38.18"W x 55.51"H x 46.65"D PLUMBING: YES NOTE: COORD. WITH OWNER FINAL SPECIFICATION.	401	**15" WIDE LOCKERS** DESCRIPTION: 15" WIDE LOCKERS DESCRIPTION (CONT): GC TO COORD. TOTAL 3 WIDE VS. SINGLE LOCKERS MANUFACTURER: SCHOOLLOCKERS.COM - JOREGENSON MODEL NAME: VENTILATED, 2 TALL, VISUAL PERF, NO LEGS, 3W, ZEE BASE 4" H MODEL NUMBER: 100079954 FINISH/COLOR: BALTIC BLUE SIZE: 15"W x 72"H x 24" D NOTE: 5% OF LOCKERS TO BE ADA. COORD. WITH OWNER FINAL SPECIFICATION. TO BE SECURED TO THE WALL OR FLOOR *NOTE - BUILDING C - 482 TOTAL LOCKERS 25 LOCKERS TO BE ADA
				502	**WASHING MACHINE** DESCRIPTION: FRONT LOAD WASHER DESCRIPTION (CONT): COORD. WITH MEP DWGS MANUFACTURER: SPEED QUEEN MODEL NAME: FRONT CONTROL FRONT LOAD WASHER MODEL NUMBER: LFNE5BSP115TW01 SIZE: 26.875"W x 40.42"H x 27.73"D PLUMBING: YES NOTE: COORD. WITH OWNER FINAL SPECIFICATION.	402	**BENCH** DESCRIPTION: LOCKER ROOM BENCH MANUFACTURER: SCHOOLLOCKERS.COM - JOREGENSON MODEL NAME: 12" WIDE PLASTIC LOCKER ROOM BENCH MODEL NUMBER: SKU LEN-PB-1260 FINISH/COLOR: TBD SIZE: 60"W x 18-1/2"H x 12"D NOTE: COORD. WITH OWNER FINAL SPECIFICATION. TO BE SECURED TO THE FLOOR
						403	**ADA BENCH** DESCRIPTION: LOCKER ROOM BENCH MANUFACTURER: SCHOOLLOCKERS.COM - JOREGENSON MODEL NAME: 24" WIDE PLASTIC LOCKER ROOM BENCH MODEL NUMBER: SKU LEN-PB-2460 FINISH/COLOR: STARRY NIGHT S225 SIZE: 48"W x 18-1/2"H x 24"D NOTE: TO BE SECURED TO THE FLOOR AND WALL FOR REQUIRED BACK SUPPORT.
						404	**BOOT DRYER RACK** DESCRIPTION: PORTABLE BOOT DRYER - DOUBLE SIDED DESCRIPTION (CONT): COORD. POWER FOR DRYERS MANUFACTURER: WILLIAMS DIRECT DRYER MODEL NAME: BOOT DRYER RACK MODEL NUMBER: WILLIAMS P60 & P60E SIZE: VERIFY WITH OWNER - 63"W X 32"D X 82"H NOTE: OWNER PROVIDED, GC INSTALLED. VERIFY WITH OWNER FREESTANDING VS. EXISTING WALL MOUNTED TO BE RELOCATED
						405	**BOOT DRYER RACK** DESCRIPTION: WALL MOUNTED BOOT DRYER -SINGLE SIDED DESCRIPTION (CONT): COORD. POWER FOR DRYERS MANUFACTURER: WILLIAMS DIRECT DRYER MODEL NAME: BOOT DRYER RACK MODEL NUMBER: WILLIAMS P30 & P30E SIZE: VERIFY WITH OWNER - 60"W X 20"D X 80"H NOTE: OWNER PROVIDED, GC INSTALLED. VERIFY WITH OWNER FREESTANDING VS. EXISTING WALL MOUNTED TO BE RELOCATED
						406	**SKI AND SNOWBOARD RACKS** DESCRIPTION: SKI AND SNOWBOARD RACKS MANUFACTURER: MONTANA SPORTS MODEL NAME: EASY HANG SKI AND SNOWBOARD RACKS SIZE: VERIFY WITH OWNER NOTE: OWNER PROVIDED GC INSTALLED. VERIFY WITH OWNER TRACK LENGTH AND QUANTITY OF RACKS

EQUIPMENT CODE LEGEND

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400 - GENERAL OFFICE EQUIPMENT:
ALL ITEMS SHALL BE PROVIDED AND INSTALLED BY OWNER, U.N.O. GENERAL CONTRACTOR TO COORDINATE.

EQPT. GENERAL NOTES

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B. SHOULD DISCREPANCIES IN EQUIPMENT INFORMATION OCCUR, G.C. SHALL NOTIFY DESIGNER AND CONSULT MANUFACTURER'S INSTALLATION INFORMATION.

C. G.C. TO PROVIDE ELECTRICAL AND PLUMBING HOOK-UPS FOR EQUIPMENT AS REQUIRED PER THE EQUIPMENT, MANUFACTURER, AND CODE.

D. PROJECTION SCREEN SWITCHES IN ROOMS ARE TO BE GANGED WITH DEVICES ON A SINGLE COMMON FACE PLATE. SWITCH SHALL MATCH STYLE, COLOR AND FINISH OF LUTRON DEVICES.

E. SEE REFLECTED CEILING PLAN DRAWINGS FOR ADDITIONAL INFORMATION, SPECIAL EQUIPMENT LOCATED IN CEILINGS (IE. PROJECTION SCREENS), ETC., TYPICAL

F. REFER TO REFLECTED CEILING PLAN FOR GENERAL NOTES PERTAINING TO LIGHT FIXTURES.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JOSH CHARLES CAMPBELL
203617
LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

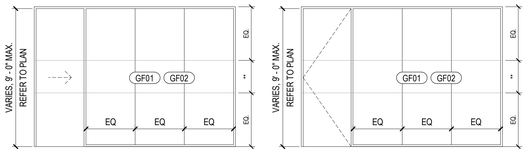
Project Number
003.7835.000

Description
EQUIPMENT SCHEDULE (CON'T)

Scale
1 : 1

1B-G0.551

DEMOUNTABLE PARTITION TYPES



TYPE DM1 WITH SLIDING DOOR & BUTT JOINT GLASS
MODERNUS ROLEN GLAZING SYSTEM; 3/8" THICK GLASS AT PARTITIONS UP TO 8'-6" H, 1/2" THICK GLASS AT PARTITIONS OVER 8'-6" H; BLACK FINISH; TYPE "H" DOORS

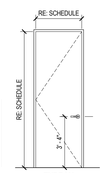
TYPE DM2 WITH SWING DOOR & BUTT JOINT GLASS
MODERNUS ROLEN GLAZING SYSTEM; 3/8" THICK GLASS AT PARTITIONS UP TO 8'-6" H, 1/2" THICK GLASS AT PARTITIONS OVER 8'-6" H; BLACK FINISH; TYPE "G" DOORS

** NOTE : CONFIRM AT EACH GLASS LOCATION :
MEETING ROOM FRONTS RECEIVE 3'-0" OF 'GF01'
OFFICE FRONTS RECEIVE 1'-6" OF 'GF02'

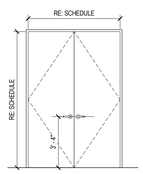
REP CONTACT: ERICA ARCHIEBEQUE
EARCHIBEQUE@PEARWORK.COM
303-824-2000 EXT. 2011

DOOR TYPES

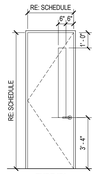
NEW DOOR TYPES



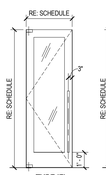
TYPE 'A'
SINGLE SOLID DOOR IN FRAME



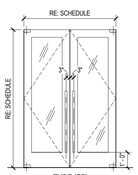
'AA' TYPES
PAIR OF SOLID DOORS IN FRAME



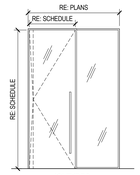
TYPE 'D'
SINGLE DOOR IN FRAME W/ NARROW LITE



TYPE 'F'
SINGLE GLASS ENTRANCE DOOR WITH STILES

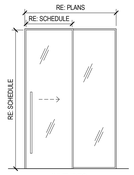


TYPE 'FF'
PAIR OF GLASS ENTRANCE DOORS WITH STILES



'G' TYPES
SINGLE GLASS PIVOT DOOR IN DEMOUNTABLE WALL SYSTEM

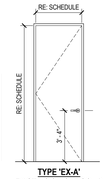
DOOR WITHIN 'DM1' TYPE PARTITION



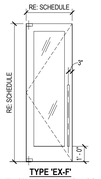
'H' TYPES
SINGLE GLASS SLIDING DOOR IN DEMOUNTABLE WALL SYSTEM

DOOR WITHIN 'DM2' TYPE PARTITON

EXISTING DOOR TYPES



TYPE 'EX-A'
EXISTING SINGLE SOLID DOOR IN FRAME



TYPE 'EX-F'
EXISTING SINGLE GLASS ENTRANCE DOOR WITH STILES

DOOR SCHEDULE - BUILDING A

NUMBER	LOCATION	DOOR ASSEMBLY TYPE	HARDWARE SET	DIMENSIONS WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME ASSEMBLY MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	ASSEMBLY RATING FIRE RATING	REMARKS
LEVEL 02.5 - C BUILDING LEVEL 02, BRIDGE LEVEL														
A.201	OFFICE	EX-F	15	3'-0"	6' - 10"		EX	PTD	EX	PTD	EX	EX		CARD READER
LEVEL 04 - A BUILDING LEVEL 03														
A.301	STAIR	A	10A	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01	90 MIN	CARD READER
A.302	BREAK ROOM	EX-F	16	3'-0"	6' - 10"		EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR
A.303	BREAK ROOM	EX-A	17	3'-3"	3' - 0"	1 3/4"	EX	PTD	EX	PTD	EX	EX		
A.304	CONFERENCE	G	D2	3'-0"	8' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.305	STORAGE	A	D1	3'-0"	6' - 10"	1 3/4"					H-02	J-02		
A.306	OFFICE	H	D1	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.	--	
A.307	OFFICE	H	D1	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.	--	
A.308	OPEN OFFICE	G	D2	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.309	PHONE / WELLNESS	A	18	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.312	ELEC.	A	19	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		CARD READER
A.314	IDF	BB	20	6'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		CARD READER
A.315	OFFICE	G	D2	3'-0"	8' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.316	OFFICE	G	D2	3'-0"	8' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.317	STOR.	AA	20	6'-0"	8' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.318	STOR.	AA	20	6'-0"	8' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.319	OFFICE	G	D2	3'-0"	8' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.320A	OFFICE	EX-F	21	3'-0"	6' - 10"		EX	PTD	EX	PTD	EX	EX		
A.320B	OFFICE	G	D2	3'-0"	8' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		
A.321A	STOR.	AA	13	6'-0"	8' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.321B	STOR.	AA	13	6'-0"	8' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.322	MEN	A	22	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.323	WOMEN	A	22	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.326	AGR + SHOWER	A	18	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.327	JANITOR / W.H.	BB	20	6'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		CARD READER
A.328A	VEST.	EX-F	16	2'-11"	6' - 10"		EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR
A.328B	VEST.	F	23	2'-11"	6' - 10 1/2"									CARD READER, DOOR OPERATOR
A.329	BREAK ROOM	H	D1	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.	--	
A.330	BREAK ROOM	H	D1	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.	--	
LEVEL 05 - A BUILDING LEVEL 04														
A.400A	CORR.	EX-A	EX	3'-0"	6' - 10"	1 3/4"	EX	PTD	EX	PTD	EX	EX		
A.400B	CORR.	EX-A	EX	2'-6"	6' - 10"	1 3/4"	EX	PTD	EX	PTD	EX	EX		
A.405	IT OFFICE + STORAGE	A	25	3'-0"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
A.406	OFFICE	G	D2	3'-0"	6' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.		

DOOR SCHEDULE - BUILDING C

NUMBER	LOCATION	DOOR ASSEMBLY TYPE	HARDWARE SET	DIMENSIONS WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME ASSEMBLY MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	ASSEMBLY RATING FIRE RATING	REMARKS
LEVEL 02.5 - C BUILDING LEVEL 02, BRIDGE LEVEL														
C.201A	LOCKERS	EX-A	26	3'-0"	7' - 10"	1 3/4"	EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR
C.201B	LOCKERS	EX-A	27	3'-0"	7' - 10"	1 3/4"	EX	PTD	EX	PTD	EX	EX		
C.201C	LOCKERS	EX-F	27	3'-0"	7' - 10"		EX	PTD	EX	PTD	EX	EX		
C.202	STORAGE	A	28	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
C.203	WOMEN	A	22A	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
C.204	MEN	A	22A	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
C.205	SHOWER RM	A	7	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
C.206	JANITORS	A	24A	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
C.207	ENTRY	EX-FF	26	6'-0"	7' - 10"		EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR

DOOR SCHEDULE - BUILDING F

NUMBER	LOCATION	DOOR ASSEMBLY TYPE	HARDWARE SET	DIMENSIONS WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME ASSEMBLY MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	ASSEMBLY RATING FIRE RATING	REMARKS
LEVEL 02.5 - C BUILDING LEVEL 02, BRIDGE LEVEL														
F.201	SECURITY	EX-F	26	3'-0"	7' - 10"		EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR
F.202	SECURITY	A	25	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.203	OFFICE	A	25	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.204	SECURITY OFFICE	A	25	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.205	HR OFFICE	H	D1	2'-10"	7' - 10 1/2"		ALUM WITH GLASS INSET	BLACK	DEMOUNTABLE PARTITION	BLACK	BY MANUF.	BY MANUF.	--	
F.206	RESTROOM	A	18	3'-0"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.207A	LAUNDRY | UNIFORM STORAGE	EX-A	26	3'-0"	7' - 10"	1 3/4"	EX	PTD	EX	PTD	EX	EX		CARD READER, DOOR OPERATOR
F.207B	LAUNDRY | UNIFORM STORAGE	K	29	2'-8"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.208	STOR.	AA	20A	4'-10"	7' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		
F.209	W.H.	K	24	2'-8"	6' - 10"	1 3/4"	HM	PTD	HM	PTD	H-01	J-01		

DOOR GENERAL NOTES

A. G.C. TO PROVIDE COMPLETE DOOR/HARDWARE PACKAGE TO FUNCTION AS INDICATED. ALL DOORS AND HARDWARE SHALL BE BUILDING STANDARD, U.N.O. SUBMIT COMPLETE SPECIFICATIONS TO ARCHITECT FOR REVIEW AND APPROVAL.
B. G.C. IS TO FIELD VERIFY CONDITION, HAND, THROAT SIZE, AND WORKABILITY OF ALL DOORS AND HARDWARE; REPAIR OR REPLACE AS REQUIRED.
C. G.C. SHALL COORDINATE LOCK CYLINDERS AND KEYS WITH TENANT AND BUILDING OWNER.
D. THE BOTTOM 10" OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING) SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE ON THE PUSH SIDE FOR ACCESSIBILITY. G.C. TO NOTIFY ARCHITECT IF ANY CONDITIONS ARE IN VIOLOATION.
E. ALL GLAZING SHALL BE TEMPERED AND ALL EXPOSED EDGES SHALL BE POLISHED. GLAZING WITHIN A 24" ARC OF EITHER SIDE OF DOORS MUST BE OF SAFETY GLAZING MATERIAL.
F. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED AT 40" A.F.F. ON CENTER. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND ARE IN THE PATH OF EGRESS TRAVEL SHALL BE OPERABLE WITH A SINGLE ACTION WITHOUT SPECIAL KNOWLEDGE OR EFFORT, PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST.
G. BAR PULL DOOR HARDWARE SHALL BE MOUNTED WITH A USABLE PORTION BETWEEN 30" AND 44" A.F.F.
H. DOOR JAMB OPENING SHALL BE LOCATED 4" AWAY FROM ADJACENT PERPENDICULAR WALL.
I. DOOR HARDWARE ILLUSTRATED IN 'DOOR TYPES' IS SYMBOLIC AND MAY NOT REPRESENT ACTUAL SPECIFIED HARDWARE. G.C. TO COORDINATE PREPARATION OF DOORS FOR SCHEDULED HARDWARE.
J. TENANT'S SECURITY CONTRACTOR IS TO SUBMIT ACCESS CONTROL DRAWINGS TO THE AHJ FOR REVIEW FOR ACCESS CONTROL PERMIT.
K. THRESHOLDS ARE TO BE CONTINUOUS FROM JAMB TO JAMB AND/OR WALL TO WALL. END CONDITIONS OF THRESHOLDS ARE TO BE TIGHTLY CUT/SCRIBED TO MATCH THE PROFILE OF THE JAMB/WALL WITHOUT ANY GAPS, HOLES, OR VOIDS. PROVIDE ANY/ALL ACCESSORIES REQUIRED TO INSTALL A COMPLETE SYSTEM (I.E. WEATHER/SOUND STRIPPING, SEALANT, BLOCKING, FIRE STROPPING, ETC.) PROVIDE FIRE-RATED THRESHOLD ASSEMBLIES AS REQUIRED PER DOOR/FRAME RATING.
L. FOR THRESHOLD CONDITIONS THAT INCLUDE FLOOR CLOSERS, PROVIDE THRESHOLD SHAPE AND/OR ACCESSORIES AS NEEDED TO COVER/CONCEAL CLOSER. COVER OVER CLOSER TO MAINTAIN THRESHOLD PROFILE, SHAPE, APPEARANCE, ETC, WITH MITERED CORNERS AND/OR JOINTS.
M. AT HARDWARE ON DOORS AND FRAMES SUPPLIED BY THE MILLWORKER, G.C. IS TO PROVIDE HARDWARE, AND MILLWORKER IS TO INSTALL HARDWARE. ALL OTHER DOOR HARDWARE SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR, U.N.O.
N. TOP OF BASE PLATES FOR DOOR PIVOT HINGES SHALL BE INSTALLED FLUSH WITH TOP OF CONCRETE SLAB. SPECIFIED FINISH FLOORING, WHERE APPLIES, SHALL COVER/CONCEAL DOOR PIVOT BASE PLATE. G.C. TO COORDINATE AND PROVIDE PIVOT SPINDLE LENGTH AS REQUIRED, TYP.
O. GENERAL CONTRACTOR SHALL COORDINATE ANY/ALL HARDWARE REQUIRING ELECTRICAL POWER (BOTH HIGH AND LOW VOLTAGE) WITH HARDWARE SUPPLIER, MANUFACTURER, INSTALLER, AND RELATED SUBCONTRACTORS, SUCH AS MILLWORKER, ELECTRICAL, AND SECURITY, TYP. NOTIFY ARCHITECT/DESIGNER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.
P. NEW INTERIOR DOORS/FRAMES SHALL BE FACTORY FINISHED, U.N.O. EXISTING DOORS AND FRAMES SHALL BE REFINISHED AS REQUIRED TO LIKE NEW CONDITION PER THE DOOR SCHEDULE.
Q. PROVIDE WALL STOPS AT ALL DOORS WITH ADJACENT WALLS, UNO.
R. PROVIDE BALL BEARING HINGES AS REQUIRED AT DOORS.
S. PROVIDE 3M SAFTEY AND SECURITY FILM AT ALL GLAZED DOORS.
T. ALL HARDWARE IN THE DRMOUNTABLE PARTITIONS IS BY DEMOUNTABLE PARTITION SUPPLIER
U. ALL EXISTING DOORS TO REMAIN, CONTRACTOR TO VERIFY DOOR SIZE IN FIELD.

DOOR ABBREV.

AL =	ALUMINUM	HM =	HOLLOW METAL
BS =	BLDG STANDARD	NR =	NON-FIRE-RATED
CL =	CLEAR	PG =	PAINT GRADE
EX =	EXISTING	PT =	PAINT
FH =	FULL HEIGHT	SC =	SOLID CORE
FR =	FIRE-RATED	ST =	STAIN
GL =	GLASS	TG =	TEMPERED GLASS
HC =	HOLLOW CORE	WD =	WOOD

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

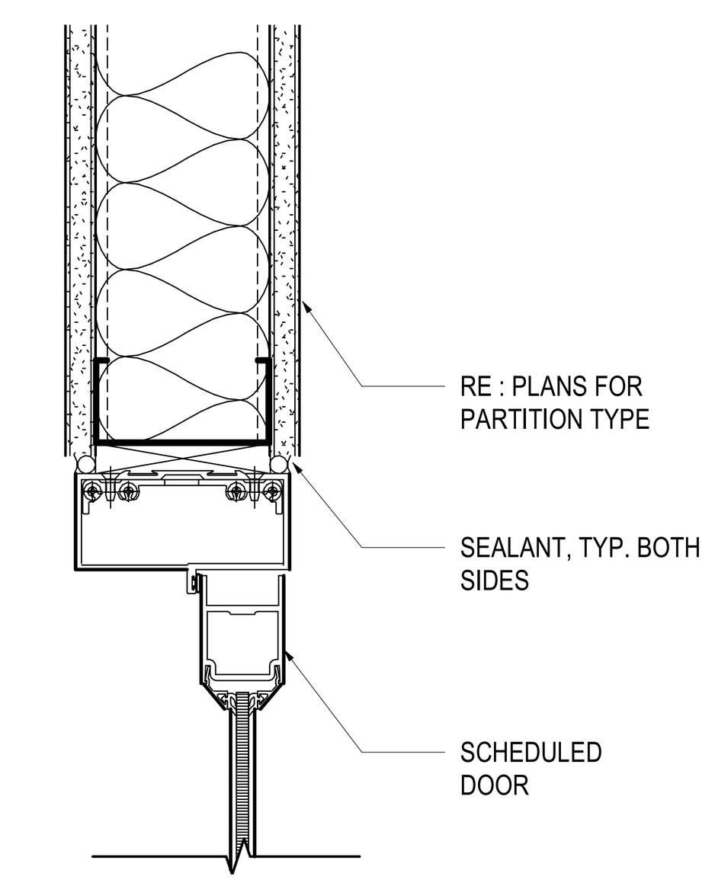
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

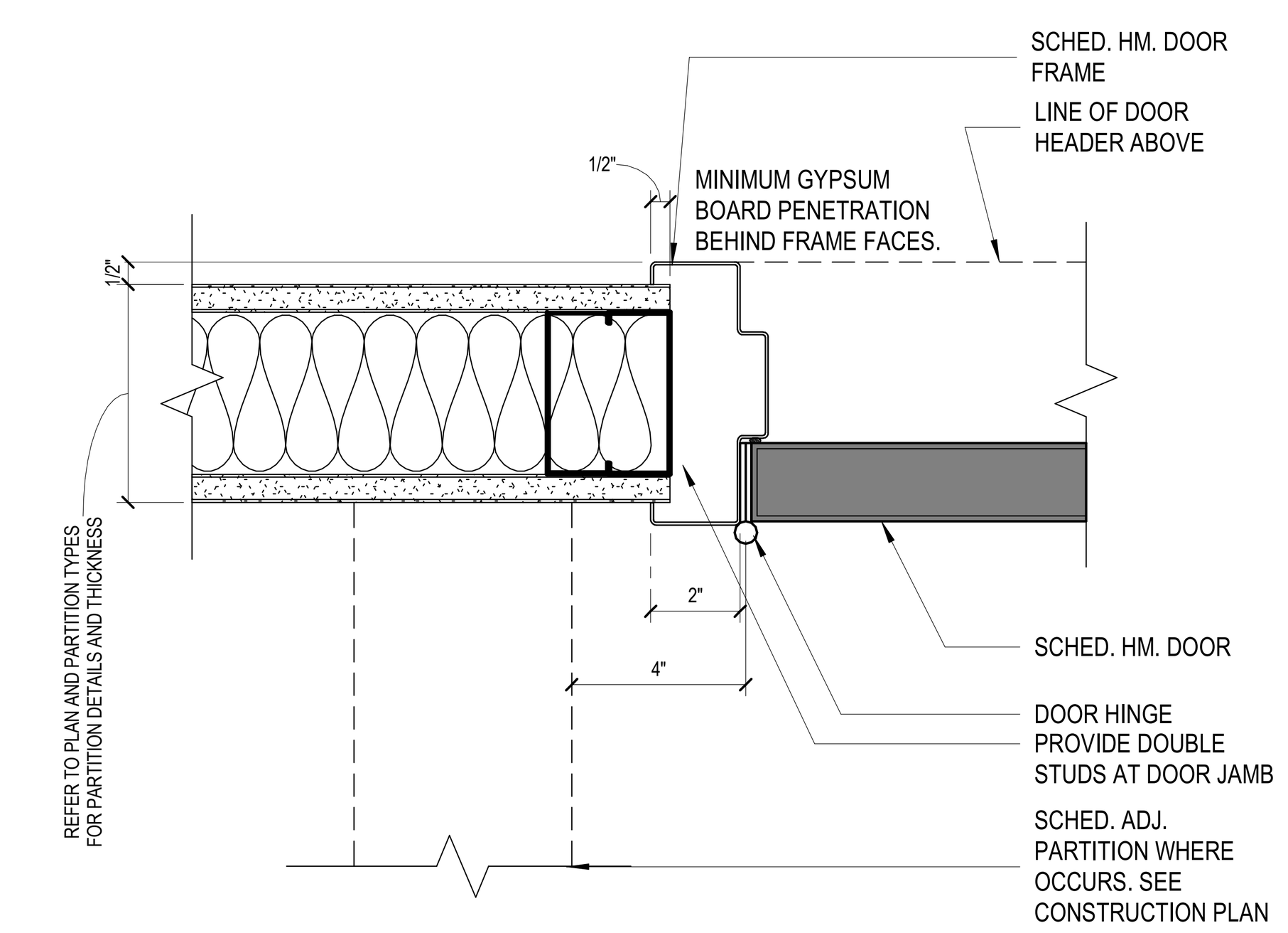
Description
DOOR SCHEDULE & TYPES

Scale
1/4" = 1'-0"

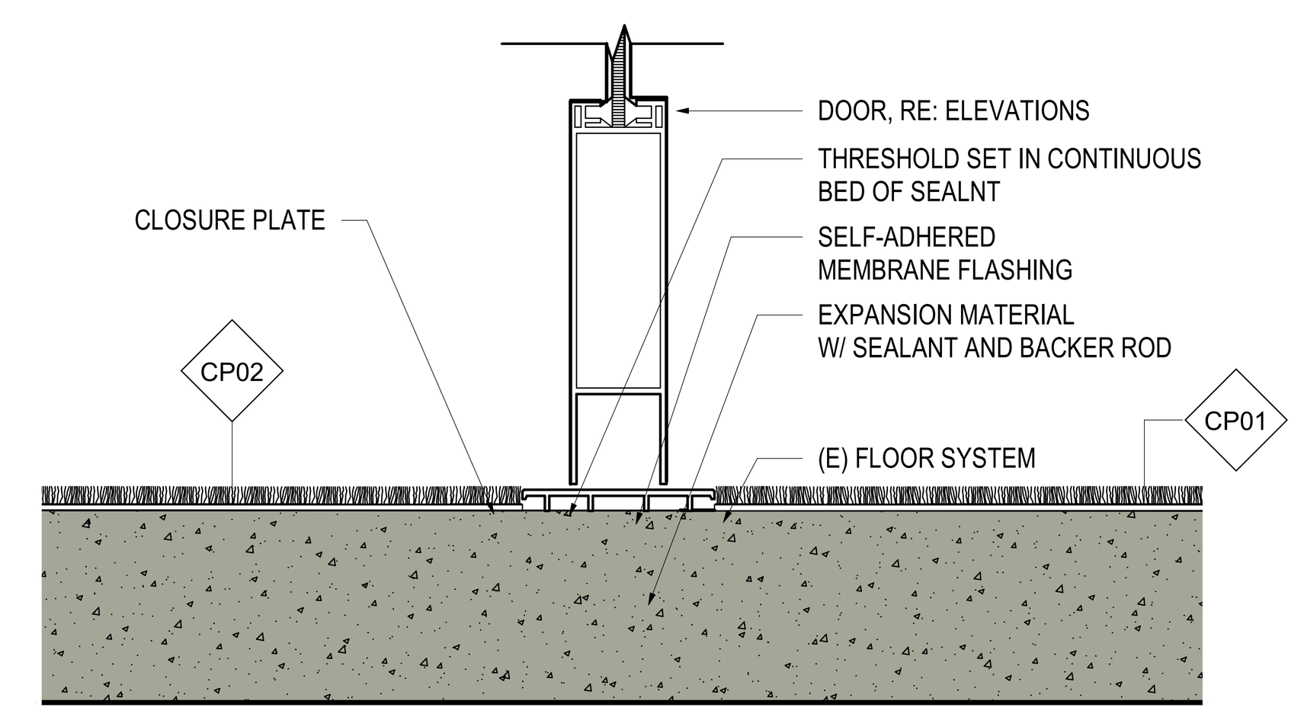
1B-G0.600



05 H-03 - STOREFRONT DOOR HEAD
SCALE: 3" = 1'-0"



01 J-01 - HOLLOW METAL FRAME JAMB
SCALE: 3" = 1'-0"



06 S-03 - STOREFRONT DOOR THRESHOLD
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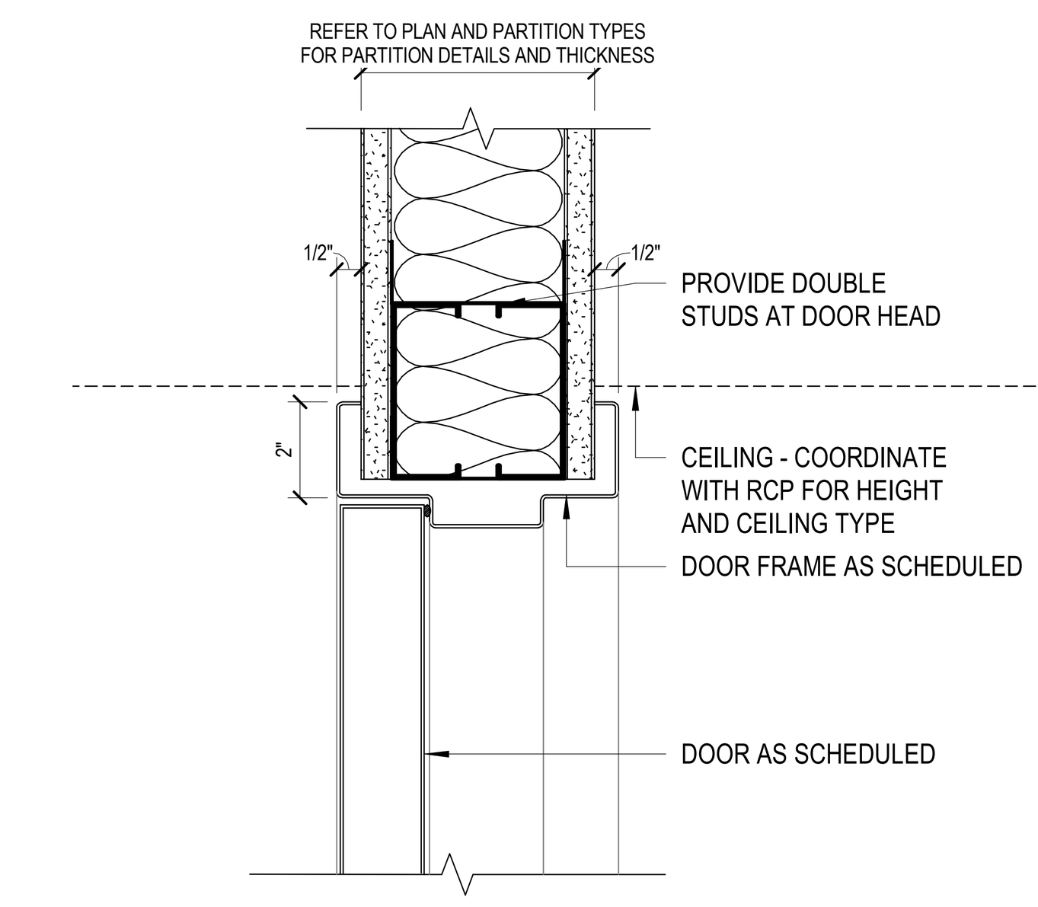
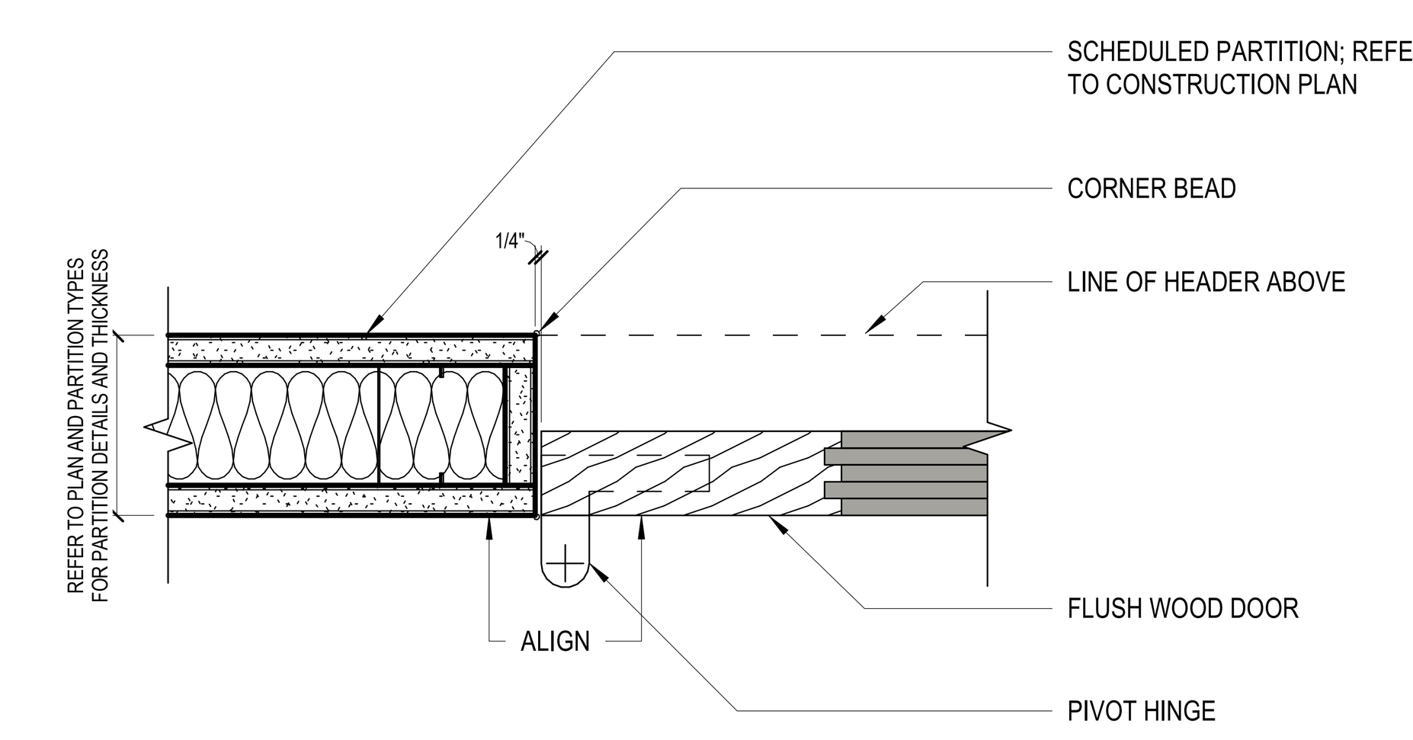
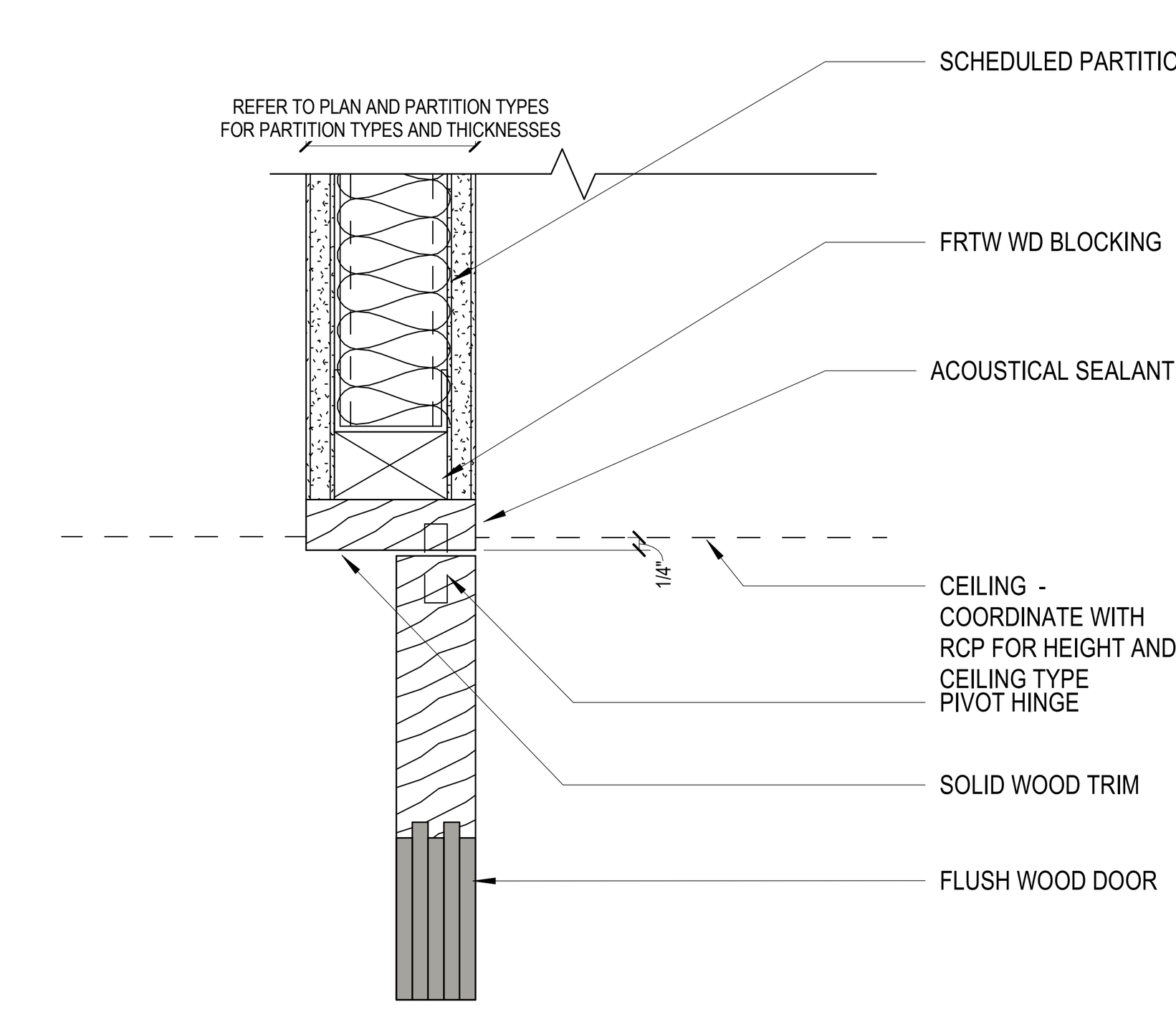


02 H-01 - TYPICAL H.M. DOOR HEAD
SCALE: 3" = 1'-0"



03 J-02 - OFFSET PIVOT JAMB DETAIL
SCALE: 3" = 1'-0"



04 H-02 - OFFSET PIVOT HEAD DETAIL
SCALE: 3" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
--- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD Record Set TC 06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES GABRIEL
203617
LICENSED ARCHITECT
05.21.2021

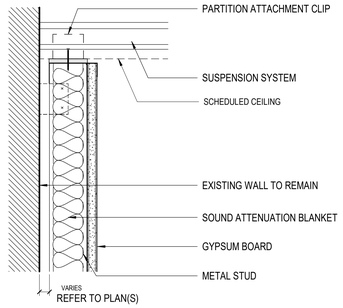
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

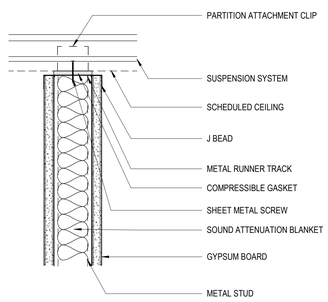
Description
DOOR DETAILS

Scale
3" = 1'-0"

1B-G0.650



09 D-T07
SCALE: 3" = 1'-0"



05 A-T07
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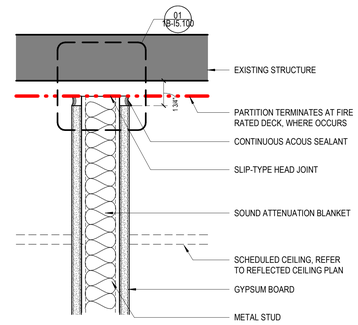
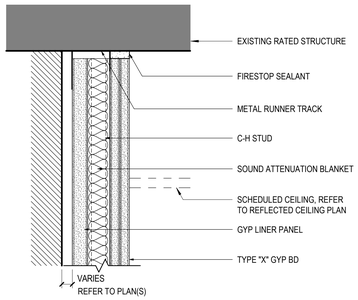
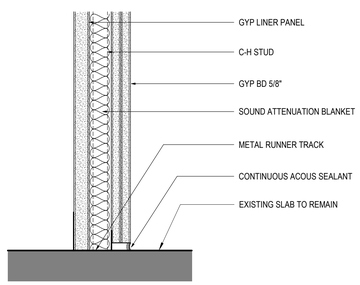


01 A-T04
SCALE: 3" = 1'-0"



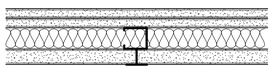
(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM NO. HW-D-0569)

14 J-T05
SCALE: 3" = 1'-0"



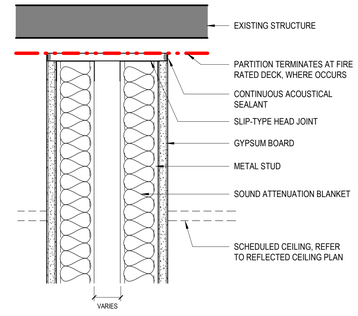
(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM NO. HW-D-0569)

15 J-B01
SCALE: 3" = 1'-0"



PARTITION TYPE	FRAMING		DETAILS		ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	NOTES
	DEPTH	SPACING	TOP	BOT					
J4A	4"	16 O.C.	J-T05	J-B01	4"	2	HW-D-0569		

16 J SERIES PARTITION TYPES
SCALE: 3" = 1'-0"



10 K-T04
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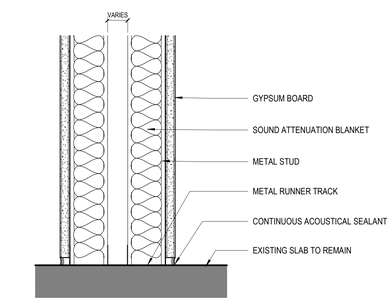
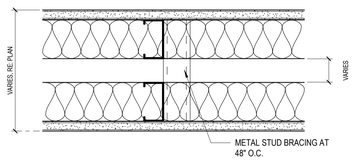


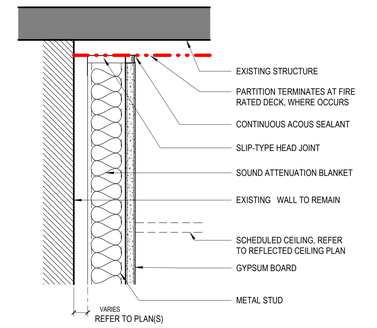
(2-HOUR RATED-BASIS OF DESIGN UL SYSTEM NO. HW-D-0569)

11 K-B01
SCALE: 3" = 1'-0"

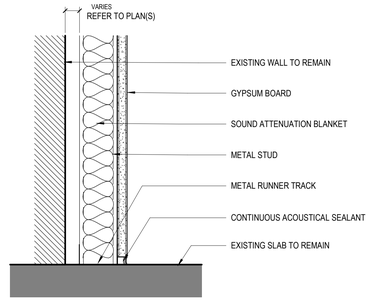


PARTITION TYPE	FRAMING		DETAILS		ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	NOTES
	DEPTH	SPACING	TOP	BOT					
K3A	3 5/8"	16 O.C.	K-T04	K-B01	3 1/2" BOTH SIDES				
K3K	3 5/8"	16 O.C.	K-T04	K-B01	3 1/2" BOTH SIDES				

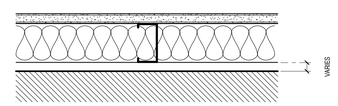
12 K SERIES PARTITION TYPES
SCALE: 3" = 1'-0"



06 D-T03
SCALE: 3" = 1'-0"

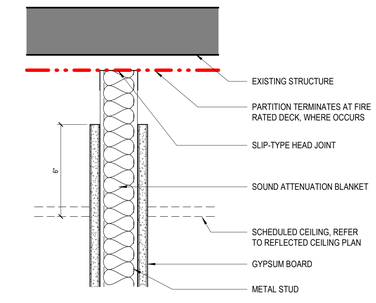


07 D-B01
SCALE: 3" = 1'-0"

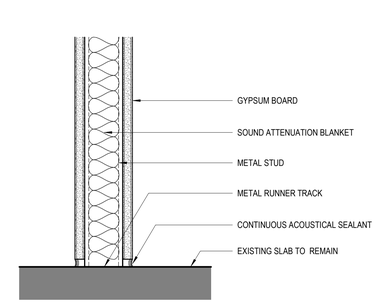


PARTITION TYPE	FRAMING		DETAILS		ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	NOTES
	DEPTH	SPACING	TOP	BOT					
D2A	2 1/2"	16 O.C.	D-T03	D-B01	2 1/2"				
D2K	2 1/2"	16 O.C.	D-T07	D-B01	2 1/2"				
D3A	3 5/8"	16 O.C.	D-T03	D-B01	3 1/2"				
D3E	3 5/8"	16 O.C.	D-T07	D-B01	3 1/2"				
D3K	3 5/8"	16 O.C.	D-T07	D-B01	3 1/2"				

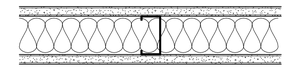
08 D SERIES PARTITION TYPES
SCALE: 3" = 1'-0"



02 A-T06
SCALE: 3" = 1'-0"



03 A-B01
SCALE: 3" = 1'-0"



PARTITION TYPE	FRAMING		DETAILS		ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	NOTES
	DEPTH	SPACING	TOP	BOT					
A3A	3 5/8"	16 O.C.	A-T04	A-B01	3 1/2"				
A3B	3 5/8"	16 O.C.	A-T06	A-B01	3 1/2"				
A3C	3 5/8"	16 O.C.	A-T04	A-B01	3 1/2"	2	UL U419		
A3K	3 5/8"	16 O.C.	A-T07	A-B01	3 1/2"				
A6A	6"	16 O.C.	A-T04	A-B01	6"				
A6K	6"	16 O.C.	A-T07	A-B01	6"				

04 A SERIES PARTITION TYPES
SCALE: 3" = 1'-0"

PARTITION NOTES

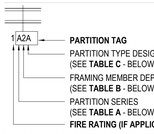


TABLE A- PARTITION SERIES CONSTRUCTION ASSEMBLY

SERIES	SHEATHING	FRAMING MEMBERS	SHEATHING
A	1-LAYER	METAL C-STUD	1-LAYER
B	2-LAYERS	METAL C-STUD	2-LAYERS
C	1-LAYER	METAL C-STUD	2-LAYERS
D	1-LAYER	METAL C-STUD	NONE
E	2-LAYERS	METAL C-STUD	NONE
F	1-LAYER	MTL HAT CHANNEL	NONE
G	1-LAYER	NONE	NONE
J	1-LAYER	METAL C-H STUD	LINER PNL
K	1-LAYER	(2) METAL C-STUDS	1-LAYER

TABLE B- FRAMING MEMBER DEPTH SCHEDULE

TAG NUMBER DESIGNATION	MTL STUD DEPTH	MTL C-H STUD DEPTH
-	NO FRAMING	
0	7/8" FURRING CHANNEL	
1	1 5/8"	N/A
2	2 1/2"	2 1/2"
3	3 5/8"	N/A
4	4"	4"
6	6"	6"
8	8"	N/A
10	10"	N/A

TABLE C- PARTITION TYPE DESIGNATOR

TYPE	DESCRIPTION
A	SLAB TO SLAB
B	6" ABOVE FIN. CEILING
C	RATED WALL
D	6" ABOVE FIN. CEILING W/ NO SOUND ATTENUATION
E	PARTIAL HEIGHT W/ NO SOUND ATTENUATION
F	PARTIAL HEIGHT W/ SOUND ATTENUATION
G	SLAB TO SLAB W/ PLYWD OVER ONE SIDE OF GYP.
H	WINDOW SILL HEIGHT W/ NO SOUND ATTENUATION
J	TOP OF RAISED FLOOR TO UNDERSIDE OF SLAB
K	CEILING HEIGHT
L	TOP OF RAISED FLOOR TO 6" ABOVE FIN. CEILING W/ NO SOUND ATTENUATION
M	TOP OF RAISED FLOOR TO 6" ABOVE FIN. CEILING W/ SOUND ATTENUATION
N	TOP OF RAISED FLOOR, PARTIAL HEIGHT W/ NO SOUND ATTENUATION

GENERAL NOTES

GN-01. PARTITION TYPES ARE NOT SEQUENTIAL.
GN-02. ALL PARTITION SHEATHING TO BE 5/8" THICK TYPE 'X' GYPSUM BOARD, UNLESS NOTED OTHERWISE
GN-03. ALL PARTITIONS SHALL BE COORDINATED WITH SCHEDULED FINISHES FOR PARTITION LAYOUT AND REQUIRED CLEARANCES.
GN-04. PROVIDE NON-COMBUSTABLE BLOCKING IN PARTITIONS FOR ITEMS HANGING AS INDICATED. SEE CONSTRUCTION PLAN(S) AND/ OR INTERIOR ELEVATIONS FOR LOCATIONS.
GN-05. CONTRACTOR TO CONFIRM STUD SIZING & GAUGE AND SUBMIT SELECTION CRITERIA FOR REVIEW INCLUDING DELINEATION OF SLAB TO UNDERSIDE OF SLAB INFORMATION.
GN-06. FOR INTERIOR FRAMING LIMITING HEIGHTS, REFER TO SSMA TABLES FOR INTERIOR NON-STRUCTURAL, NON-COMPOSITE PARTITIONS.
GN-07. PROVIDE CONTROL JOINTS AT 30'-0" ON CENTER, MAX.
GN-08. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT WET LOCATIONS AND TILE BACKER BOARD WHERE ARE TILE IS SCHEDULED.
GN-09. LEVEL 4 DRYWALL FINISH IS TYPICAL THROUGHOUT. PROVIDE LEVEL 5 DRYWALL FINISH AT CEILINGS AND DARK OR SPECIALTY PAINT LOCATIONS, SEE SPECIFICATIONS FOR FURTHER DETAIL.

TOP OF PARTITION DETAILS

TYPE	DESCRIPTION
T01	TOP OF PARTITION AT UNDERSIDE OF METAL DECK SLAB
T02	TOP OF PARTITION AT UNDERSIDE OF METAL DECK SLAB (FIRE RATED)
T03	TOP OF PARTITION STUD AT UNDERSIDE OF METAL DECK SLAB AND SHEATHING 6" ABOVE SCHEDULED FINISHED CEILING
T04	TOP OF PARTITION AT UNDERSIDE OF CONCRETE SLAB (NON-RATED)
T05	TOP OF PARTITION AT UNDERSIDE OF CONCRETE SLAB (FIRE-RATED)
T06	TOP OF PARTITION STUD AT UNDERSIDE OF CONCRETE SLAB AND SHEATHING 6" ABOVE SCHEDULED FINISHED CEILING
T07	TOP OF PARTITION AT UNDERSIDE OF ACOUSTIC TILE/PANEL CEILING
T08	TOP OF PARTITION AT UNDERSIDE OF GYPSUM BOARD CEILING
T09	TOP OF PARTITION (LOW PARTITION) WITH WOOD CAP
T10	TOP OF PARTITION (LOW PARTITION) GYPSUM BOARD CAP
T11	TOP OF PARTITION AT UNDERSIDE OF METAL DECK SLAB (NON-RATED) NO CEILING
T12	TOP OF PARTITION AT UNDERSIDE OF METAL DECK SLAB (FIRE-RATED) NO CEILING
T13-T20	RESERVED FOR FUTURE EXPANSION
T21	CUSTOM

BOTTOM OF PARTITION DETAILS

TYPE	DESCRIPTION
B01	BOTTOM OF PARTITION AT SLAB
B02	BOTTOM OF PARTITION AT SLAB (FIRE RATED)
B03	BOTTOM OF PARTITION AT CURB
B04	BOTTOM OF PARTITION AT CURB (FIRE RATED)
B05	BOTTOM OF PARTITION AT CURB OFFSET
B06	BOTTOM OF PARTITION AT CURB OFFSET (FIRE RATED)
B07	BOTTOM OF PARTITION AT RAISED FLR.
B08-B15	RESERVED FOR FUTURE EXPANSION
B16	CUSTOM

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD Record Set TC 06/29/2021

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PARTITION TYPES & DETAILS

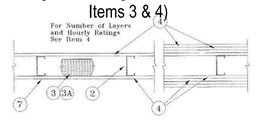
Scale
3" = 1'-0"

1B-G0.700

Design No. U419

August 14, 2010

Nonbearing Wall Ratings -- 1,2,3, or 4 HR. (See Items 3 & 4)



1. Floor and Ceiling Runners -- (Not shown) -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Batts and Blankets* -- (Required as indicated under Item 4) -- Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

3A. Batts and Blankets* -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4. Gypsum Board* -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Rating Hr	Wallboard Protection on Each Side of Wall: Min Stud Depth & Thkns of Panel	No. of Layers of (Item 3)Insulation	
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CANADIAN GYPSUM COMPANY -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE
UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-XZ, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE
USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 6B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 3) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 5. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 5.

4A. Gypsum Board* -- (As an alternate to Item 4) -- 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 7) not required.
CANADIAN GYPSUM COMPANY -- Type SHX.
UNITED STATES GYPSUM CO -- Type SHX.
USG MEXICO S A DE C V -- Type SHX.

5. Fasteners -- (Not shown) -- Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6. Furring Channels -- (Optional, not shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 4A.

6A. Steel Framing Members (Not Shown)* -- (Optional on one or both sides, not shown, for single or double layer systems) -- As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. Furring Channels -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep,spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 4A.
b. Steel Framing Members* -- Used to attach furring channels (Item 6Aa) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC -- Type RSIC-1.

6B. Steel Framing Members (Optional, Not Shown)* -- As an alternate to Item 6, furring channels and Steel Framing Members on only one side of studs as described below:
a. Furring Channels -- Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 4. Two layers of gypsum board attached to furring channels as described in Item 4. Not for use with Item 4A.
b. Steel Framing Members* -- Used to attach furring channels (Item 6Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC -- Type Isomax

7. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

8. Siding, Brick or Stucco -- (Optional, not shown) -- Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

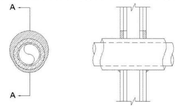
9. Caulking and Sealants* -- (Optional, not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO -- Type AS

*Bearing the UL Classification Mark

Design No. W-L-5028

February 08, 2006

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



SECTION A-A

1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* -- 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7-1/2 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants -- One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe -- Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Copper Tubing -- Nom 2 in. diam (or smaller) Type L (or heavier) copper tubing.
C. Copper Pipe -- Nom 2 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Tube Insulation -- Plastics+ -- Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. An annular space of min 0 in. (point contact) to max 1-1/2 in. is required within the firestop system. See Plastics+ (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used. The hour T Rating of the firestop system is dependent on the hourly fire rating of the wall assembly in which it is installed, the size and type of through penetrant and the pipe covering thickness, as shown in the table below:

4. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum wallboard, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/gypsum wallboard interface on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- FS-ONE Sealant

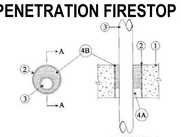
*Bearing the UL Classification Mark

Wall Assembly Rating Hr	Type +	hrough Penetrant Max Diam In.
1	A	4
1	A, B or C	2
2	A	4
2	A, B or C	2

Design No. C-AJ-2169

February 14, 2006

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



SECTION A-A

1. Floor or Wall Assembly -- Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Metallic Sleeve -- (Optional) -- Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. Through Penetrants -- One nonmetallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be a min of 1/2 in. to max 1-3/8 in. Pipe or conduit to be rigidly supported on both sides of floor or wall. The following types and sizes of pipes or conduits may be used:
A. Polyvinyl Chloride (PVC) Pipe -- Nom 2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
B. Chlorinated Polyvinyl Chloride (CPVC) Pipe -- Nom 2 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
C. Rigid Nonmetallic Conduit+ -- Nom 2 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code, (NFPA No. 70).

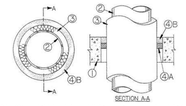
4. Firestop System -- The firestop system shall consist of the following:
A. Forming Material* -- Min 1-1/2 in. thickness foamed into opening as a permanent form. Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- CF128-DW or CF511 Foam Sealant
B. Fill, Void or Cavity Material* -- Sealant -- Min 3 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

*Bearing the UL Classification Mark

Design No. C-AJ-5001

March 05, 2007

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



SECTION A-A

1. Floor or Wall Assembly -- Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/.m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 18 in. (457 mm) See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
1A. Steel Sleeve -- (Optional, not shown) -- Nom 10 in. (254 mm) (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. T Rating is 0 Hr when sleeve is used.

2. Through Penetrant -- Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper pipe, nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) ductile iron pressure pipe or nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe centered in the opening and rigidly supported on both sides of the floor or wall assembly.

3. Pipe Covering* -- Nom 1/2 to 2 in. (13 to 51 mm) thick hollow cylindrical heavy density (min. 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product. See Pipe and Equipment Covering -- Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System -- The details of the firestop system shall be as follows:
A. Packing Material -- Min 1 in. (25 mm) thickness of firmly packed mineral wool batt insulation used as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item B).
B. Fill, Void or Cavity Material* -- Caulk or Sealant -- Applied to fill the annular space flush with the top surface of the floor or sleeve or flush with both surfaces of wall. When nom pipe covering thickness is 2 in. (51 mm), min thickness of caulk fill material is 2 in. (51 mm). When nom pipe covering thickness is 1-1/2 in. (38 mm) or less, min thickness of caulk fill material is 1 in. (25 mm). The hourly F and T Ratings of the firestop system are dependent upon the thickness of the floor or wall, the size of pipe, the thickness of pipe covering material and the size of the annular space (between the pipe covering material and the edge of the circular through opening), as shown in the following table:
3M COMPANY -- CP 25WB+ or FB-3000 WT

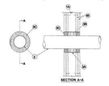
*Bearing the UL Classification Mark

Min Floor or Wall Thkns In.	Max Pipe Diam In.	Nom Pipe Covering Thkns In.	Annular Space In.	F Rating Hr	T Rating Hr
2-1/2 (64)	4 (102)	1 or 1-1/2 (25 or 38)	1/2 to 2-3/8 (13 to 60)	2	1
4-1/2 (114)	4 (102)	2 (51)	1/4 to 3-5/8 (6 to 92)	2	1-1/2
2-1/2 (64)	12 (305)	1 (25)	1/2 to 1-1/2 (13 to 38)	2	1/2
4-1/2 (114)	12 (305)	1 (25)	1/2 to 2-3/8 (13 to 60)	3	1
2-1/2 (64)	12 (305)	1/2 (13)	1/2 to 2-3/8 13 to 60)	2	0

Design No. W-L-2014

February 01, 2001

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



SECTION A-A

1. Wall Assembly -- The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* -- Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 8 in.

2.Nonmetallic Pipe -- Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or SDR17 chlorinated polyvinyl chloride (CPVC) pipe for use in closed (process or supply) piping systems. Pipe to be rigidly supported on both sides of wall assembly.

3. Firestop System -- The hourly F and T Rating for the firestop systems are dependent upon the size of pipe, annular space, and min forming and fill material thicknesses as described in the table below. When the annular space in the table shows a range of distances, the penetrating item may be installed either concentrically or eccentrically within the firestop system. The firestop systems shall consist of the following:
A. Steel Sleeve or Wire Mesh -- No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam. Length of sleeve to be 1/4 to 1/2 in. less than overall thickness of wall such that, when installed in circular opening, the ends of the sleeve are recessed 1/8 to 1/4 in. from each surface of the wall. Sleeve may also be formed of min 0.034 in. thick (20 MSG) galv sheet steel.
B. Packing Material -- Mineral wool batt insulation firmly packed into opening as a permanent form at the thickness shown in the table below. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material. As an option to the above, backer rod and/or foamed plastic backer material may be used.
C. Fill, Void or Cavity Material* -- Caulk -- Applied within the annulus, flush with both surfaces of wall as shown in the table below:

*Bearing the UL Classification Mark

Max Pipe Diam In.	Annular Space In.	Min Forming Mtl Depth In.	Min Fill Mtl Depth In.	F Rating Hr	T Rating Hr
4	3/4 to 3-1/2	1-1/4	1-1/4	2	1-1/2
2	1-3/8	3/4	3/4	1	1

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
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△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES STANDRIDGE
203617
LICENSED ARCHITECT
05.21.2021

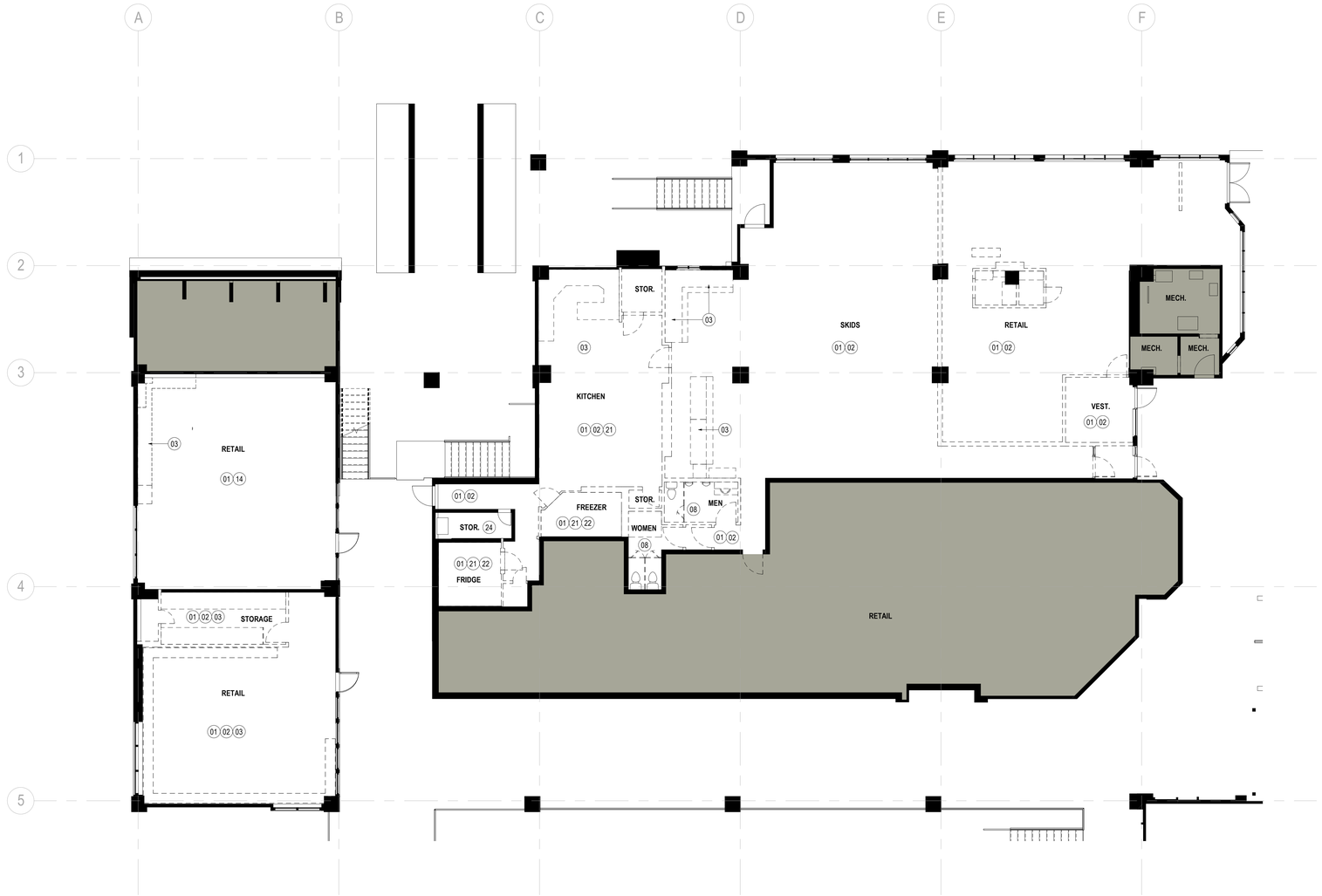
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
UL DESIGN SHEET

Scale
12" = 1'-0"

1B-G0.800



01 DEMOLITION PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 REMOVE ALL FLOOR AND WALL FINISHES AND FIXTURES THROUGHOUT.
02 REMOVE ALL EXISTING CEILINGS, LIGHTING, EXIT SIGNS, CEILING MOUNTED EQUIPMENT, DIFFUSERS AND REGISTER FIXTURES THROUGHOUT THE BUILDING TO ITS ENTIRETY. SALVAGE LIGHT FIXTURES AND EXIT SIGNS FOR POTENTIAL REUSE. VERIFY DISPOSITION WITH BUILDING OWNER.
03 REMOVE EXISTING MILLWORK. PATCH AND REPAIR WALLS AS REQUIRED IF WALLS ARE TO REMAIN.
08 REMOVE ALL RESTROOM FINISHES, LIGHTING, COUNTERTOPS, LAVATORIES, MIRRORS, TOILET PARTITIONS, TOILETS, SHOWERS, ETC. REMOVE AND SALAVAGE RESTROOM ACCESSORIES AND TOILET PARTITIONS FOR POTENTIAL REUSE.
14 EXISTING CEILING, LIGHTING AND MEP GRILLES TO REMAIN IN PLACE.
21 REMOVE EXISTING FOOD SERVICE EQUIPMENT AND RETURN TO OWNER.
22 DEMO EXISTING FOOD SERVICE COOLER EQUIPMENT AND RAISED CONCRETE SLAB. REMOVE SLAB DOWN TO BE LEVEL WITH EXISTING ADJACENT SLAB. PROVIDE REINFORCING OF EXISTING STRUCTURE TO MEET CODE REQUIRED LOADING FOR PROPOSED ROOMS.
24 EXISTING FLOORING TO REMAIN.

GENERAL NOTES

A. REFERENCE PROJECT MANUAL, SPECIFICATION SECTION 01 74 19 'CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL' FOR MORE INFORMATION.
B. REMOVE ALL ABOVE-CEILING SUPPORTS FOR DEMOLISHED ELEMENTS.
C. REMOVE AND SALVAGE DOORS AND FRAMES FOR POTENTIAL REUSE. STORE IN LOCATION DETERMINED BY OWNER.
D. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.
E. REMOVE DESIGNATED PARTITIONS, CEILING COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR INSTALLATION OF THE NEW WORK. IF ADDITIONAL DEMOLITION IS REQUIRED BEYOND WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL REVIEW THE ADDITIONAL DEMOLITION WITH THE ARCHITECT PRIOR TO PROCEEDING.
F. REMOVE ABANDONED HVAC EQUIPMENT, DUCT WORK, CONTROLS, REGISTERS, GRILLES, AND ALL ASSOCIATED HARDWARE & ACCESSORIES.
G. REMOVE ABANDONED ELECTRICAL, TELEPHONE, DATA, SECURITY, AND SIMILAR OTHER CABLOING, CONDUIT, EQUIPMENT AND DEVICES. U.N.O.
H. REMOVE ABANDONED PLUMBING EQUIPMENT, VALVES, PIPING, AND ALL ASSOCIATED HARDWARE & ACCESSORIES.
I. REMOVE EXISTING FLOOR FINISHES WHERE INDICATED AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.
J. COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY, AND ENVIRONMENTAL PROTECTION.
K. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
L. ERECT AND MAINTAIN DUST-PROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC TO OTHER PARTS OF THE BUILDING.
M. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.
N. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. LEAVE ALL AREAS BROOM CLEAN DAILY.
O. ALL EXISTING FINISHES ON COLUMNS, BOTH FREESTANDING AND PERIMETER COLUMNS, TO BE DEMOLISHED AND PREPPED FOR NEW FINISH.
P. WOOD PANELING ON VERTICAL SURFACES TO BE DEMOLISHED AND PREPPED FOR NEW FINISHES. TONGUE AND GROOVE WOOD PANELING ON VAULTED CEILINGS TO REMAIN.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
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RCRBD Record Set TC 06/29/2021

Seal / Signature
STATE OF COLORADO · JOE CHARLES GEMBERLING · 203617 · LICENSED ARCHITECT
05.21.2021

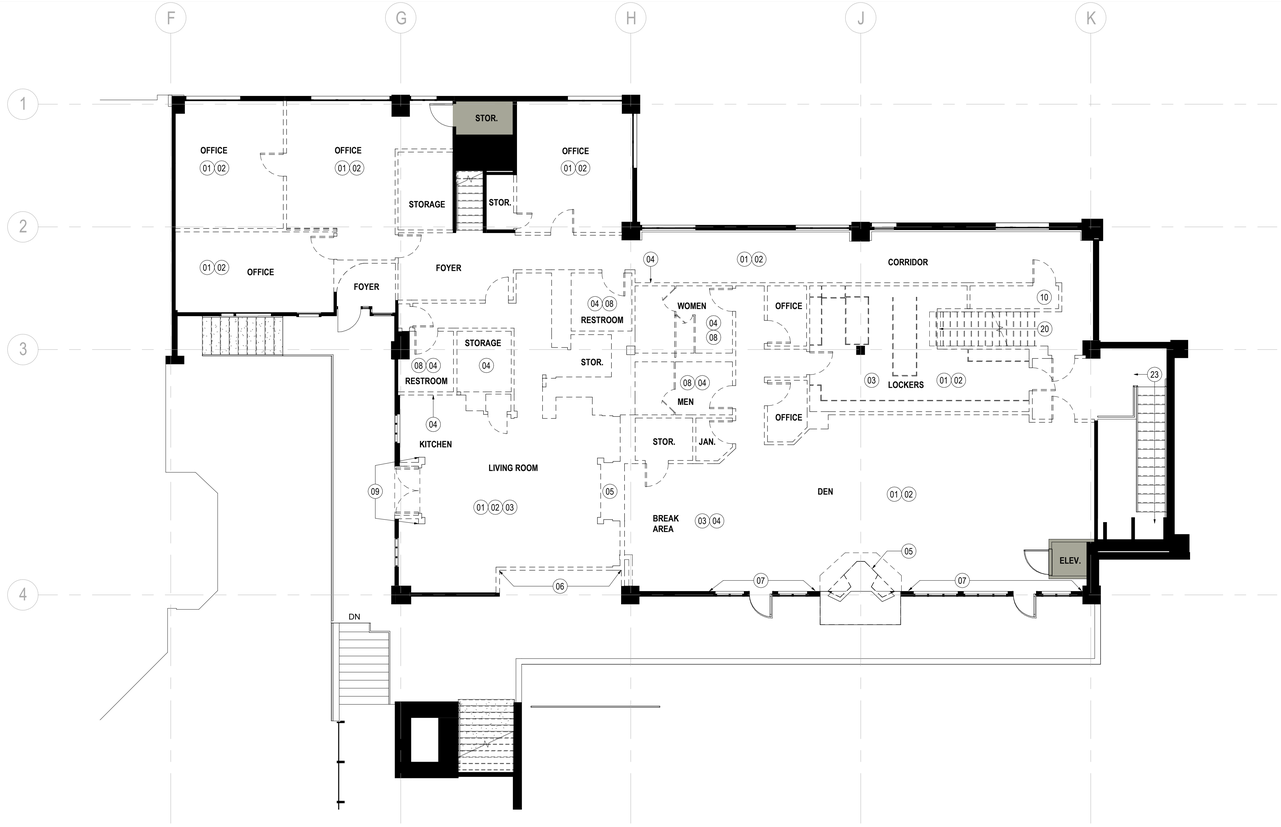
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

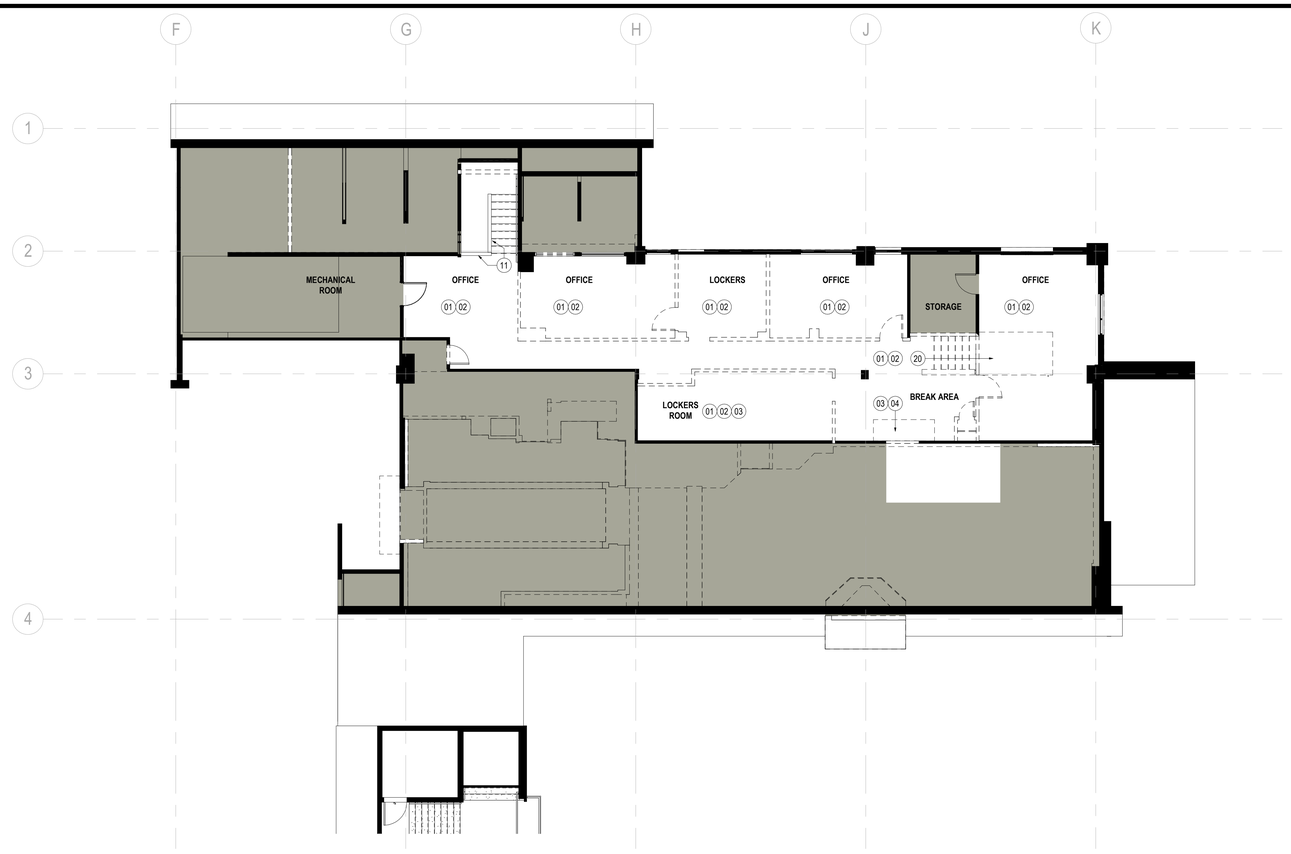
Description
DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

1B-DM1.102



01 DEMOLITION PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



02 DEMOLITION PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 REMOVE ALL FLOOR AND WALL FINISHES AND FIXTURES THROUGHOUT.

02 REMOVE ALL EXISTING CEILINGS, LIGHTING, EXIT SIGNS, CEILING MOUNTED EQUIPMENT, DIFFUSERS AND REGISTER FIXTURES THROUGHOUT THE BUILDING TO ITS ENTIRETY. SALVAGE LIGHT FIXTURES AND EXIT SIGNS FOR POTENTIAL REUSE. VERIFY DISPOSITION WITH BUILDING OWNER.

03 REMOVE EXISTING MILLWORK. PATCH AND REPAIR WALLS AS REQUIRED IF WALLS ARE TO REMAIN.

04 REMOVE EXISTING PLUMBING AND EQUIPMENT. CAP PIPES AND PATCH AS NECCESSARY.

05 EXISTING FIREPLACE AND SURROUND TO BE REMOVED. INFILL OPENING TO EXTERIOR WALL WITH WALL ASSEMBLY TO MATCH EXISTING.

06 REMOVE EXISTING SLIDING GLASS ENTRY DOORS AND INFILL TO MATCH BUILDING EXTERIOR FINISHES AND WINDOWS.

07 REMOVE WINDOWCOVERINGS AND VALANCES THROUGHOUT, TYP.

08 REMOVE ALL RESTROOM FINISHES, LIGHTING, COUNTERTOPS, LAVATORIES, MIRRORS, TOILET PARTITIONS, TOILETS, SHOWERS, ETC. REMOVE AND SALAVAGE RESTROOM ACCESSORIES AND TOILET PARTITIONS FOR POTENTIAL REUSE.

09 REMOVE EXISTING INSET AND ENTRY DOORS, CANOPY AND GRAPHIC SIGHAGE. INFILL TO MATCH BUILDING EXTERIOR FINISHES AND WINDOWS.

10 IT ROOM TO REMAIN. HORIZONTAL CABLING WITHIN THE DEMO AREAS TERMINATING WITHIN THE IT ROOM SHALL BE REMOVED. CABLING PASSING THROUGH OR SERVING THE IT ROOM SHALL BE PROTECTED, TRACED AND USE DETERMINED. CABLING SERVING AREAS OUTSIDE OF THE DEMO TERMINATING WITHIN THE IT ROOMS SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION

11 REMOVE EXISTING PARTIAL HEIGHT WALL/RAIL.

20 REMOVE EXISTING STAIRS, HANDRAIL AND GUARDRAIL. PREPARE UPPER LEVEL FLOOR SLAB FOR INFILL.

23 REMOVE EXISTING FLOORING IN STAIRWELL, PREP TO RECEIVE NEW FINISH.

GENERAL NOTES

A. REFERENCE PROJECT MANUAL, SPECIFICATION SECTION 01 74 19 'CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL' FOR MORE INFORMATION.

B. REMOVE ALL ABOVE-CEILING SUPPORTS FOR DEMOLISHED ELEMENTS.

C. REMOVE AND SALVAGE DOORS AND FRAMES FOR POTENTIAL REUSE. STORE IN LOCATION DETERMINED BY OWNER.

D. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

E. REMOVE DESIGNATED PARTITIONS, CEILING COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR INSTALLATION OF THE NEW WORK. IF ADDITIONAL DEMOLITION IS REQUIRED BEYOND WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL REVIEW THE ADDITIONAL DEMOLITION WITH THE ARCHITECT PRIOR TO PROCEEDING.

F. REMOVE ABANDONED HVAC EQUIPMENT, DUCT WORK, CONTROLS, REGISTERS, GRILLES, AND ALL ASSOCIATED HARDWARE & ACCESSORIES.

G. REMOVE ABANDONED ELECTRICAL, TELEPHONE, DATA, SECURITY, AND SIMILAR OTHER CABLOING, CONDUIT, EQUIPMENT AND DEVICES. U.N.O.

H. REMOVE ABANDONED PLUMBING EQUIPMENT, VALVES, PIPING, AND ALL ASSOCIATED HARDWARE & ACCESSORIES.

I. REMOVE EXISTING FLOOR FINISHES WHERE INDICATED AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.

J. COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY, AND ENVIRONMENTAL PROTECTION.

K. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.

L. ERECT AND MAINTAIN DUST-PROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC TO OTHER PARTS OF THE BUILDING.

M. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS AT NO COST TO THE OWNER.

N. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. LEAVE ALL AREAS BROOM CLEAN DAILY.

O. ALL EXISTING FINISHES ON COLUMNS, BOTH FREESTANDING AND PERIMETER COLUMNS, TO BE DEMOLISHED AND PREPPED FOR NEW FINISH.

P. WOOD PANELING ON VERTICAL SURFACES TO BE DEMOLISHED AND PREPPED FOR NEW FINISHES. TONGUE AND GROOVE WOOD PANELING ON VAULTED CEILINGS TO REMAIN.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

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RCRBD Record Set TC 06/29/2021

Seal / Signature

STATE OF COLORADO JON CHARLES STEMERIL 203617 LICENSED ARCHITECT
05.21.2021

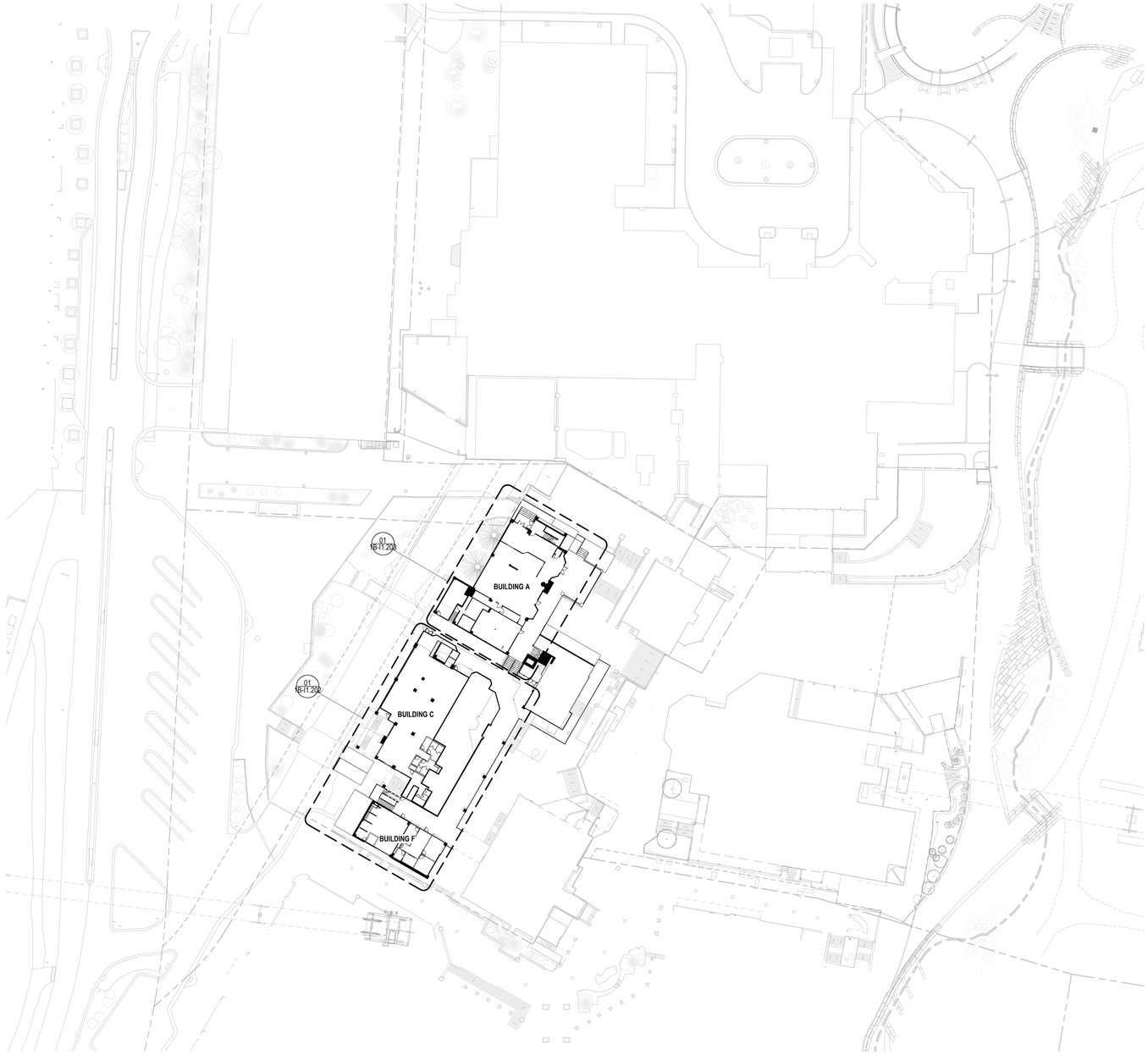
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
DEMOLITION PLAN - A BUILDING LEVEL 03 & 04

Scale
1/8" = 1'-0"

1B-DM1.103



01 COMPOSITE SITE PLAN
SCALE: 1" = 40'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
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RCRBD
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TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES STANDRIL
203617
LICENSED ARCHITECT
05.21.2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
COMPOSITE SITE PLAN - LEVEL 02

Scale
1" = 40'-0"

1B-I1.100

SHEET NOTES

01 NEW EXTERIOR LOUVER OPENING FOR MECHANICAL VENTILATION AT 9'-0" AFF. CONTRACTOR TO PROVIDE BOX BEAM HEADER, SILL AND JAMB AS REQUIRED TO CREATE OPENING. GC TO PROVIDE DELEGATED DESIGN SUBMITTAL FOR REQUIRED FRAMING AT OPENING.

03 G.C. TO REPAIR OR REPLACE EXISTING COLUMN COVER AS REQUIRED AFTER ACCESS FOR M.E.P. WORK. COLUMN ENCLOSURE TO BE RETURNED TO ORIGINAL CONDITION. REFER TO M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION.

04 MONITOR LOCATION. PROVIDE IN WALL BLOCKING AT GYPSUM PARTITIONS.

06 PROVIDE 3M SECURITY FILM TO EXISTING GLASS WINDOWS AND DOORS.

12 NEW PL03 PLASTIC LAMINATE COAT RODS STACKED 3-HIGH FOR UNIFORM STORAGE.

13 SC01 QUARTZ COUNTERTOP AT 34" AFF AND WATERFALL EDGE. PROVIDE PL01 PLASTIC LAMINATE MODESTY PANEL DOOR SIDE.

15 PL03 PLASTIC LAMINATE WORKSURFACE AND SUPPORT LEGS. REFER TO DETAIL 10/I5.400.

20 PROVIDE (6) 'PL03' PLASTIC LAMINATE ADJUSTABLE SHELVES ON HEAVY DUTY STANDARDS & BRACKETS.

21 WALLS TO BE R-13 + R-7.5CI, 5/8" GYP., 1.5 RIGID INSULATION, A3 STUD WITH R-15 BATT, VAPOR BARRIER, 5/8" GYP. UP TO CEILING AT 7'-6" AFF. WITH R-49 BATT ON DROPPED CEILING. SLAB TO BE R-30 AT UNDERSIDE. PROVIDE SEALS AND GASKETS AT PERIMETER AND JOINTS OF EQUIPMENT.

22 PROVIDE INSULATED EXTERIOR WALL INFILL AS REQUIRED TO MATCH EXISTING FRAMING AND FINISHES. GC TO FIELD VERIFY SCOPE OF WORK AND EXISTING CONDITIONS.

23 CLOSE OFF AT INTERIOR WITH AIR/EWEATHER TIGHT SEAL. FINISH WALL TO MATCH ADJACENT FINISHES.

24 AT TOP OF EXTERIOR FLUE OPENING; CAP WITH STAINLESS STEEL BREAK METAL ENCLOSURE AND SEAL FOR WEATHER TIGHT CONDITION.

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

B. REFER TO THE "G" SHEET SERIES FOR GENERAL PROJECT NOTES, MOUNTING HEIGHTS, ACCESSIBILITY CLEARANCES, GRAPHIC SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES/DETAILS, AND PARTITION SCHEDULES/DETAILS.

C. ALL PARTITIONS TO BE TYPE "A3A", U.N.O. RE: SHEET G0.700 FOR PARTITION SCHEDULES AND DETAILS.

D. REFER TO POWER & COMMUNICATIONS PLANS AND DOOR SCHEDULES FOR CARD READER LOCATIONS.

E. PARTITIONS THAT MAKE CONTACT WITH, AND ARE PERPENDICULAR TO, EXTERIOR WINDOW MULLIONS ARE TO BE CENTERED ON THE MULLION, U.N.O.

F. ALL EXISTING DOORS TO REMAIN ARE DESIGNATED WITH AN "EX". RE: SHEET G0.600 FOR DOOR SCHEDULE FOR ALL NUMBERED DOORS.

G. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING BRACING AND IN-WALL/IN-CEILING BLOCKING FOR ALL PARTITIONS RECEIVING MILLWORK, A/V EQUIPMENT, AND ALL OTHER ITEMS ATTACHED OR MOUNTED TO PARTITIONS OR CEILINGS. ALL WOOD BLOCKING SHALL BE FIRE-RETARDANT-TREATED.

H. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, U.N.O. MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD". ALLOW FOR THICKNESSES AND MOUNTING OF FINISHES.

I. WHERE CONFLICTS OCCUR BETWEEN EXISTING BUILDING ELEMENTS AND INSTALLATION OF NEW WORK, THE G.C. SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

J. G.C. TO CHALK LAYOUT ON FLOOR FOR ARCHITECT'S REVIEW PRIOR TO LAYING TRACK. SCHEDULE WALKTHROUGH W/ ARCHITECT IN ADVANCE. COORDINATE FURNITURE LAYOUT AND DIMENSIONS WITH FURNITURE VENDOR PRIOR TO SCHEDULING WALKTHROUGH IN ORDER TO IDENTIFY ANY CONFLICTS OR CRITICAL DIMENSIONS NOT ACHIEVABLE.

K. WHERE WALL COVERING OR WALL GRAPHICS ARE TO BE INSTALLED, WALLS TO RECEIVE LEVEL 4 FINISH. RE: FINISH PLANS.

L. WHERE MONITORS OR OTHER EQUIPMENT IS RECESSED WITH A NICHE OR CABINET, COORDINATE VENTILATION REQUIREMENTS WITH OWNER, A/V CONSULTANT, FURNITURE VENDOR, CONTRACTOR, AND ARCHITECT.

M. G.C. TO MAINTAIN ALL EXISTING RATED PARTITIONS - ALL PENETRATIONS AND/OR REPAIRS TO WALLS TO MAINTAIN EXISTING FIRE RATING.

N. "FEC" DENOTES LOCATIONS FOR FIRE EXTINGUISHER CABINETS. ALL FIRE EXTINGUISHER CABINETS TO MATCH BUILDING STANDARD.

O. G.C. TO EXTEND GYPSUM AT ALL EXISTING TO REMAIN PARTITIONS, INCLUDING EXTERIOR PARTITIONS, AS REQUIRED. FOR AREAS EXPOSED TO STRUCTURE OR WITH AN INCREASED CEILING HEIGHT

P. PROVIDE MANUAL MECHOSHADE MECHO/5 MANUAL SHADE SYSTEM (OR EQUAL) AT ALL EXTERIOR WINDOWS. MOUNTING CONDITIONS VARY, ALL NEED TO BE FIELD VERIFIED.

Q. ALL OUTSIDE CORNERS OF WALLS TO RECEIVE BACK PAINTED ACRYLIC CORNER GUARD IN BUILDING C.

R. PATCH AND REPAIR EXTERIOR PENETRATIONS TO MATCH ADJACENT FINISH. ALL NEW EXTERIOR LOUVERS TO BE PAINTED TO MATCH ADJACENT WALL FINISH/COLOR.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
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Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JON CHARLES COLDWELL
203617
LICENSED ARCHITECT
05.21.2021

Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

Description

CONSTRUCTION PLAN - C & F BUILDING LEVEL 02

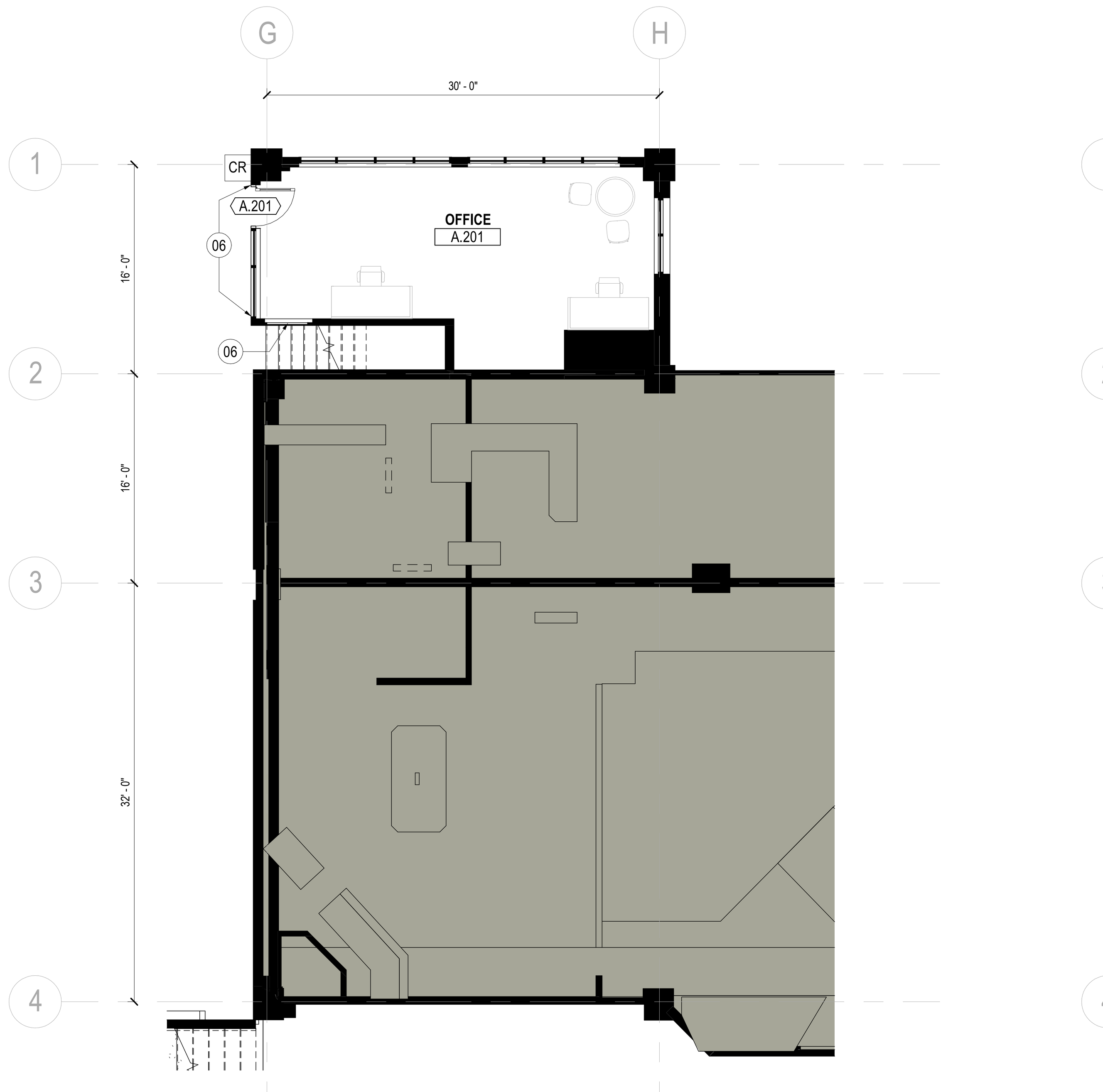
Scale

1/8" = 1'-0"

1B-I1.202

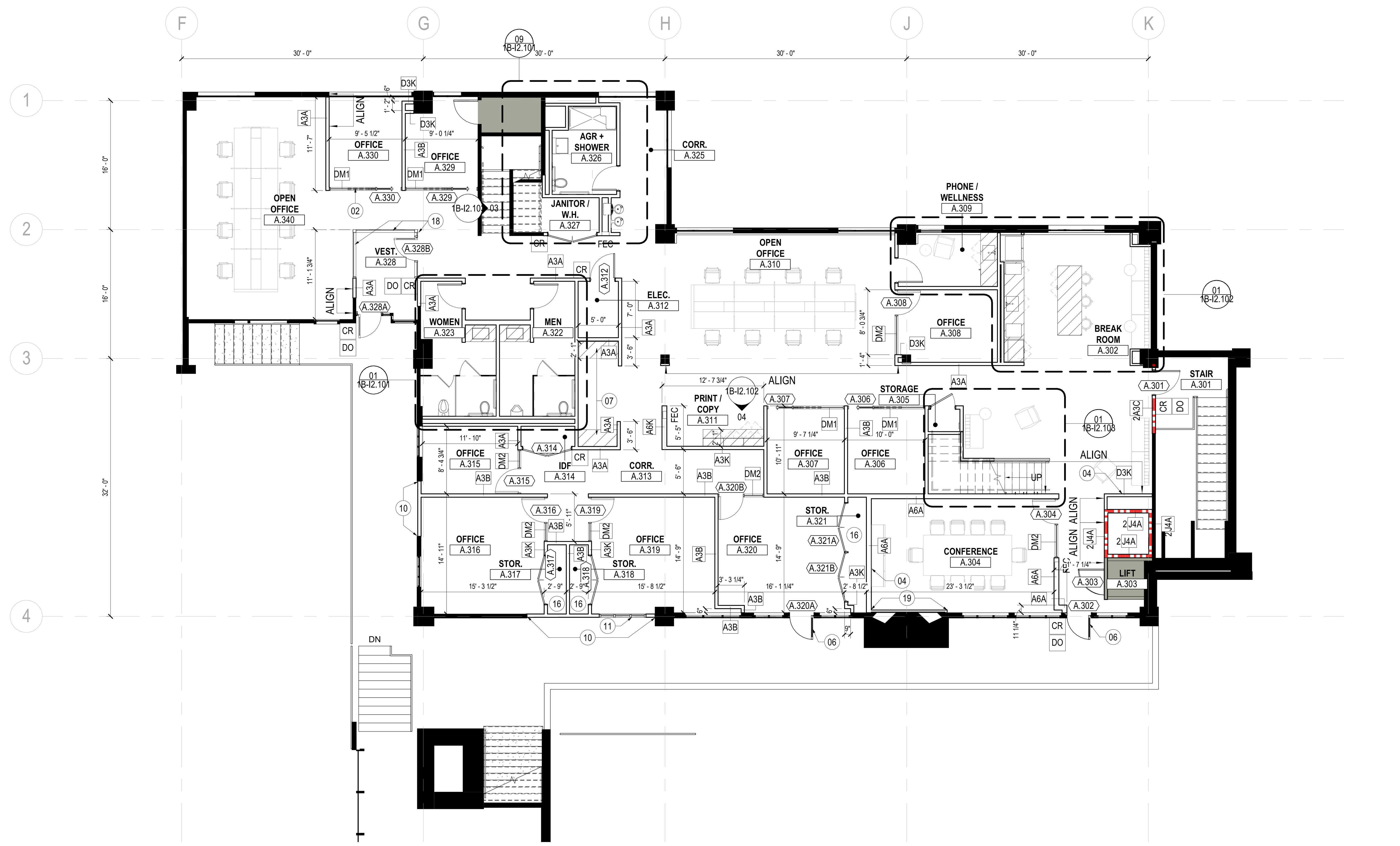
2 CONSTRUCTION PLAN - F BUILDING LEVEL 01
SCALE: 1/8" = 1'-0"

01 CONSTRUCTION PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"



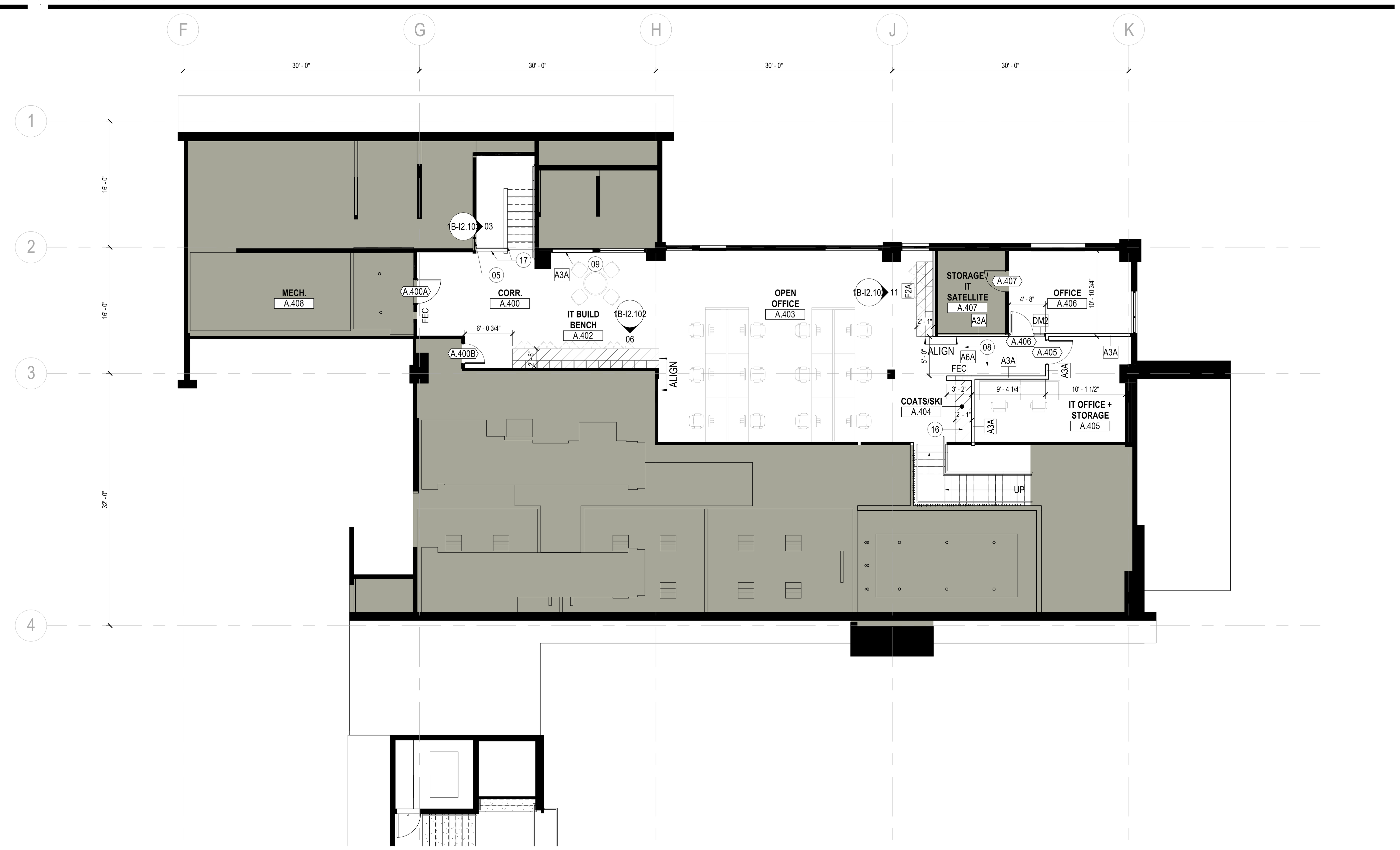
3 CONSTRUCTION PLAN - A BUILDING LEVEL 02

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



01 CONSTRUCTION PLAN - A BUILDING LEVEL 03

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



02 CONSTRUCTION PLAN - A BUILDING LEVEL 04

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

SHEET NOTES

02 A3A PARTITION ABOVE DEMOUNTABLE WALL.

04 MONITOR LOCATION. PROVIDE IN WALL BLOCKING AT GYPSUM PARTITIONS.

05 EXTEND EXISTING PARTITION TO DECK ABOVE.

06 PROVIDE 3M SECURITY FILM TO EXISTING GLASS WINDOWS AND DOORS.

07 COAT CLOSET TO RECEIVE 'PL04' HAT SHELF AND COAT ROD WITH 2-H OPEN 'PL04' CUBBIES BELOW. REFER TO DETAILS 11/I5.400 & 15/I5.400.

08 NEW INFILL STRUCTURAL FLOOR TO ALIGN WITH EXISTING ADJACENT. REFER TO STRUCTURAL DRAWINGS FOR INFORMATION.

09 INFILL WINDOW OPENING, EXTEND EXISTING PARTITION TO DECK ABOVE.

10 INFILL OPENING AT EXTERIOR WITH WALL ASSEMBLY AND FINISHES TO MATCH EXISTING.

11 NEW WINDOW TO MATCH EXISTING.

16 COAT CLOSET TO RECEIVE 'PL03' HAT SHELF AND COAT ROD WITH 2-H OPEN 'PL03' CUBBIES BELOW. REFER TO DETAILS 11/I5.400 & 15/I5.400.

17 EXTEND EXISTING PARTITION AND PROVIDE PAINTED WOOD CAP TO MEET GUARDRAIL CODE REQUIREMENTS.

18 NEW FULL HEIGHT GLASS STOREFRONT VESTIBULE TO MATCH EXISTING STOREFRONT SYSTEM.

19 PROVIDE NEW GYP. BD. PARTITION TO BE FLUSH WITH EXISTING PERIMETER PARTITION.

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

B. REFER TO THE "G" SHEET SERIES FOR GENERAL PROJECT NOTES, MOUNTING HEIGHTS, ACCESSIBILITY CLEARANCES, GRAPHIC SYMBOLS, ABBREVIATIONS, DOOR SCHEDULES/DETAILS, AND PARTITION SCHEDULES/DETAILS.

C. ALL PARTITIONS TO BE TYPE "A3A", U.N.O. RE: SHEET G0.700 FOR PARTITION SCHEDULES AND DETAILS.

D. REFER TO POWER & COMMUNICATIONS PLANS AND DOOR SCHEDULES FOR CARD READER LOCATIONS.

E. PARTITIONS THAT MAKE CONTACT WITH, AND ARE PERPENDICULAR TO, EXTERIOR WINDOW MULLIONS ARE TO BE CENTERED ON THE MULLION, U.N.O.

F. ALL EXISTING DOORS TO REMAIN ARE DESIGNATED WTIH AN "EX". RE: SHEET G0.600 FOR DOOR SCHEDULE FOR ALL NUMBERED DOORS.

G. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING BRACING AND IN-WALL/IN-CEILING BLOCKING FOR ALL PARTITIONS RECEIVING MILLWORK, A/V EQUIPMENT, AND ALL OTHER ITEMS ATTACHED OR MOUNTED TO PARTITIONS OR CEILINGS. ALL WOOD BLOCKING SHALL BE FIRE-RETARDANT-TREATED.

H. PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH FACE, U.N.O. MAINTAIN DIMENSIONS MARKED "CLEAR" OR "HOLD". ALLOW FOR THICKNESSES AND MOUNTING OF FINISHES.

I. WHERE CONFLICTS OCCUR BETWEEN EXISTING BUILDING ELEMENTS AND INSTALLATION OF NEW WORK, THE G.C. SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

J. G.C. TO CHALK LAYOUT ON FLOOR FOR ARCHITECT'S REVIEW PRIOR TO LAYING TRACK. SCHEDULE WALKTHROUGH W/ ARCHITECT IN ADVANCE. COORDINATE FURNITURE LAYOUT AND DIMENSIONS WITH FURNITURE VENDOR PRIOR TO SCHEDULING WALKTHROUGH IN ORDER TO IDENTIFY ANY CONFLICTS OR CRITICAL DIMENSIONS NOT ACHIEVABLE.

K. WHERE WALL COVERING OR WALL GRAPHICS ARE TO BE INSTALLED, WALLS TO RECEIVE LEVEL 4 FINISH. RE: FINISH PLANS.

L. WHERE MONITORS OR OTHER EQUIPMENT IS RECESSED WITH A NICHE OR CABINET, COORDINATE VENTILATION REQUIREMENTS WITH OWNER, A/V CONSULTANT, FURNITURE VENDOR, CONTRACTOR, AND ARCHITECT.

M. G.C. TO MAINTAIN ALL EXISTING RATED PARTITIONS - ALL PENETRATIONS AND/OR REPAIRS TO WALLS TO MAINTAIN EXISTING FIRE RATING.

N. "FEC" DENOTES LOCATIONS FOR FIRE EXTINGUISHER CABINETS. ALL FIRE EXTINGUISHER CABINETS TO MATCH BUILDING STANDARD.

O. G.C. TO EXTEND GYPSUM AT ALL EXISTING TO REMAIN PARTITIONS, INCLUDING EXTERIOR PARTITIONS, AS REQUIRED, FOR AREAS EXPOSED TO STRUCTURE OR WITH AN INCREASED CEILING HEIGHT

P. PROVIDE MANUAL MECHOSHADE MECHO/5 MANUAL SHADE SYSTEM (OR EQUAL) AT ALL EXTERIOR WINDOWS. MOUNTING CONDITIONS VARY, ALL NEED TO BE FIELD VERIFIED.

Q. ALL OUTSIDE CORNERS OF WALLS TO RECEIVE BACK PAINTED ACRYLIC CORNER GUARD IN BUILDING C.

R. PATCH AND REPAIR EXTERIOR PENETRATIONS TO MATCH ADJACENT FINISH. ALL NEW EXTERIOR LOUVERS TO BE PAINTED TO MATCH ADJACENT WALL FINISH/COLOR.

Steamboat

ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States

Tel 303.595.8585
Fax 303.825.6823

me engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
United States
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MARTIN/MARTIN CONSULTING ENGINEERS

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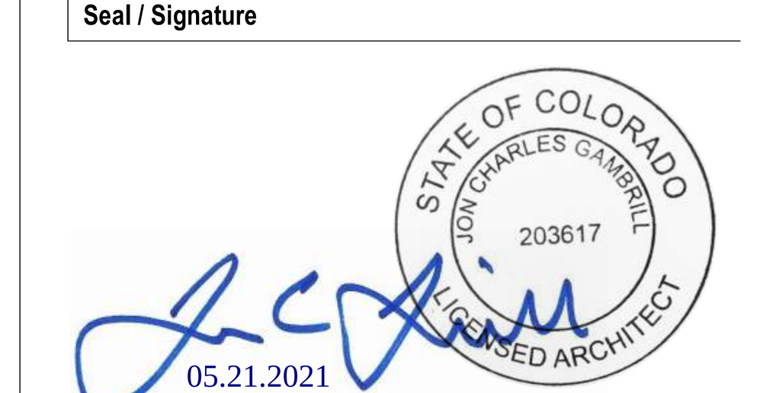
△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature



Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

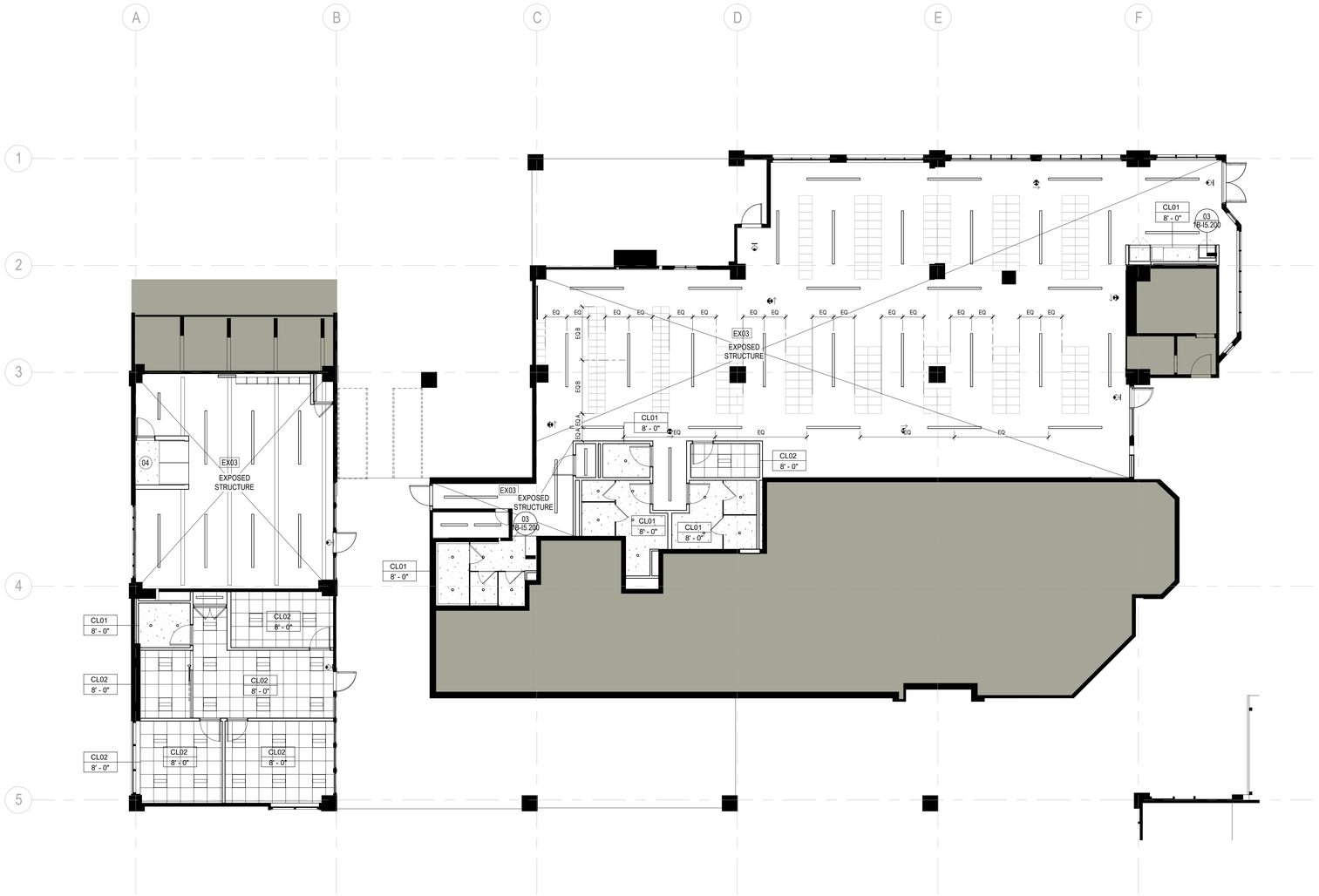
Description

CONSTRUCTION PLAN - A BUILDING LEVEL 03 & 04

Scale

1/8" = 1'-0"

1B-I1.203



01 RCP - C BUILDING LEVEL 02, BRIDGE LEVEL
SCALE: 1/8" = 1'-0"

SHEET NOTES

04 DROPPED CEILING AT 7'-6" AFF WITH R-49 BATTS.

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.
B. REFER TO 'G' SERIES DRAWINGS FOR SCHEDULES, LEGENDS, SYMBOLS, AND ABBREVIATIONS APPLICABLE TO THIS PLAN.
C. RE: ELECTRICAL DRAWINGS FOR MORE INFORMATION REGARDING LIGHT FIXTURES, SWITCHING, AND EMERGENCY LIGHTING.
D. G.C. SHALL COORDINATE THE ARRANGEMENT OF NEW ABOVE-CEILING ITEMS SO THAT ADEQUATE CLEARANCE FOR RECESSED CEILING-MOUNTED ITEMS IS PROVIDED.
E. ALL CEILINGS TO BE TYPE CL02, U.N.O.
F. ALL CEILINGS TO BE 9'-0" A.F.F., U.N.O.
G. EXISTING FIRE SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED BY LIFE SAFETY CODE TO REFLECT NEW PARTITION CONFIGURATION. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND CODE COMPLIANCE. SUBMIT SPRINKLER LAYOUT FOR REVIEW BY ARCHITECT (FOR AESTHETIC PURPOSES ONLY) PRIOR TO SUBMITTING DRAWINGS FOR PERMIT AND PRIOR TO INSTALLATION. G.C. WILL OTHERWISE BE REQUIRED TO RELOCATE HEADS AT ITS SOLE EXPENSE.
H. WHERE DEVICES SUCH AS LIGHT FIXTURES, SPRINKLER HEADS, STROBES, ETC, ARE LOCATED IN ACOUSTICAL CEILING PANEL, INSTALL DEVICE IN GEOMETRIC CENTER OF TILE, U.N.O.
I. LIGHT FIXTURE LOCATIONS SHALL TAKE PRECEDENCE OVER OTHER ELECTRICAL AND MECHANICAL DEVICES/FIXTURES.
J. LOCATIONS OF CEILING PENETRATIONS SUCH AS AIR DIFFUSERS, GRILLES, LIGHT FIXTURES, LIFE SAFETY DEVICES, AND SPRINKLER HEADS, ETC, SHALL MATCH EXISTING, WHERE APPLIES, AND SHOULD ALIGN WHERE POSSIBLE.
K. ALL ADJUSTABLE LIGHT FIXTURES SHALL BE AIMED PRIOR TO SUBSTANTIAL COMPLETION. SCHEDULE & COORDINATE WITH ARCHITECT TO REVIEW IN THE FIELD.
L. ALL GYPSUM BOARD CEILINGS SHALL BE PAINTED PT01, U.N.O.
M. CENTER CEILING TILE OR TEE IN ROOM, U.N.O.
N. ALL ACCESS PANELS LOCATED IN GYPSUM BOARD CEILINGS TO BE "BAUCO PLUS II" FROM ACCESS PANEL SOLUTIONS. SIZE ACCORDING TO LOCAL CODE. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO LAYOUT OF WORK REQUIRING ACCESS.
O. CONTRACTOR SHALL SUBMIT GYPSUM BOARD CEILING CONTROL JOINT LOCATIONS TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
P. IF LOCATION DIMENSIONS ARE NOT INDICATED, FINAL POSITIONING OF ALL EXPOSED DEVICES SHALL BE COORDINATED WITH ARCHITECT.
Q. PLUMB ALL STEM AND AIRCRAFT CABLE USED TO SUPPORT SUSPENDED LIGHT FIXTURES.
R. ALL EXIT LIGHTS/SIGNS TO MATCH BUILDING STANDARD, U.N.O.
S. FINISH OF HVAC DIFFUSERS, DRAPERY/SHADE POCKETS, SPEAKER GRILLES, AND OTHER ITEMS LOCATED IN CEILINGS ARE TO MATCH ADJACENT CEILING, U.N.O.
T. ELECTRICAL CONTRACTOR IS TO PROVIDE ALL REQUIRED CONDUITS, PULL BOXES, HOME RUNS, WALL JUNCTION BOXES, PLASTER RINGS, ETC. FOR INSTALLATION, PULLING, ETC. OF ALL VOICE/DATA DEVICES, CABLES, SECURITY DEVICES, ETC. G.C. TO COORDINATE.
U. ALL STRUCTURE AND EQUIPMENT TO BE PAINTED PT01 DRY FALL AT AREAS WITH EXPOSED STRUCTURE, U.N.O.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
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Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG: A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

STATE OF COLORADO
JOHN CHARLES CAMPBELL
203617
LICENSED ARCHITECT
05.21.2021

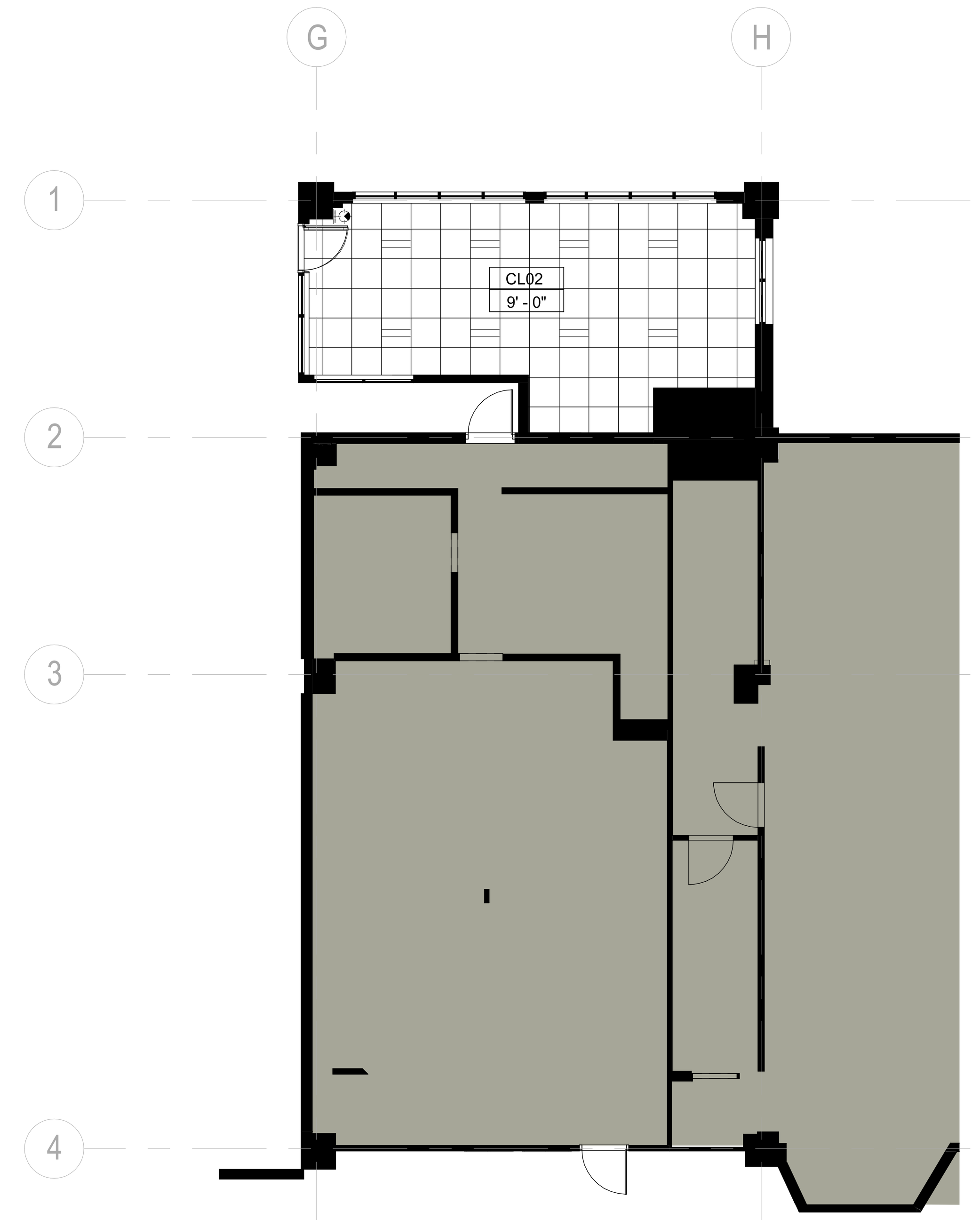
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
REFLECTED CEILING PLAN - C & F BUILDING LEVEL 02

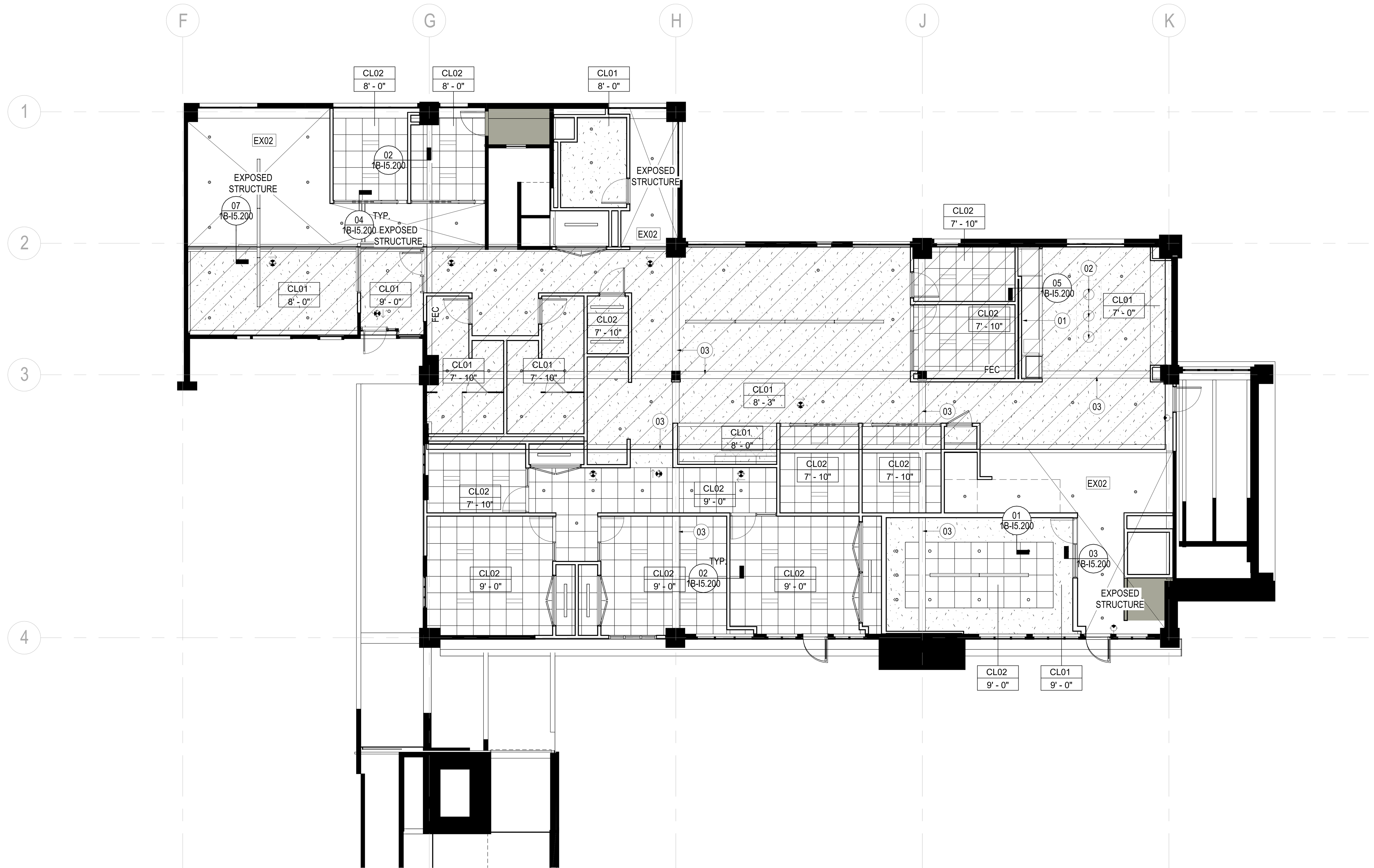
Scale
1/8" = 1'-0"

1B-I1.402



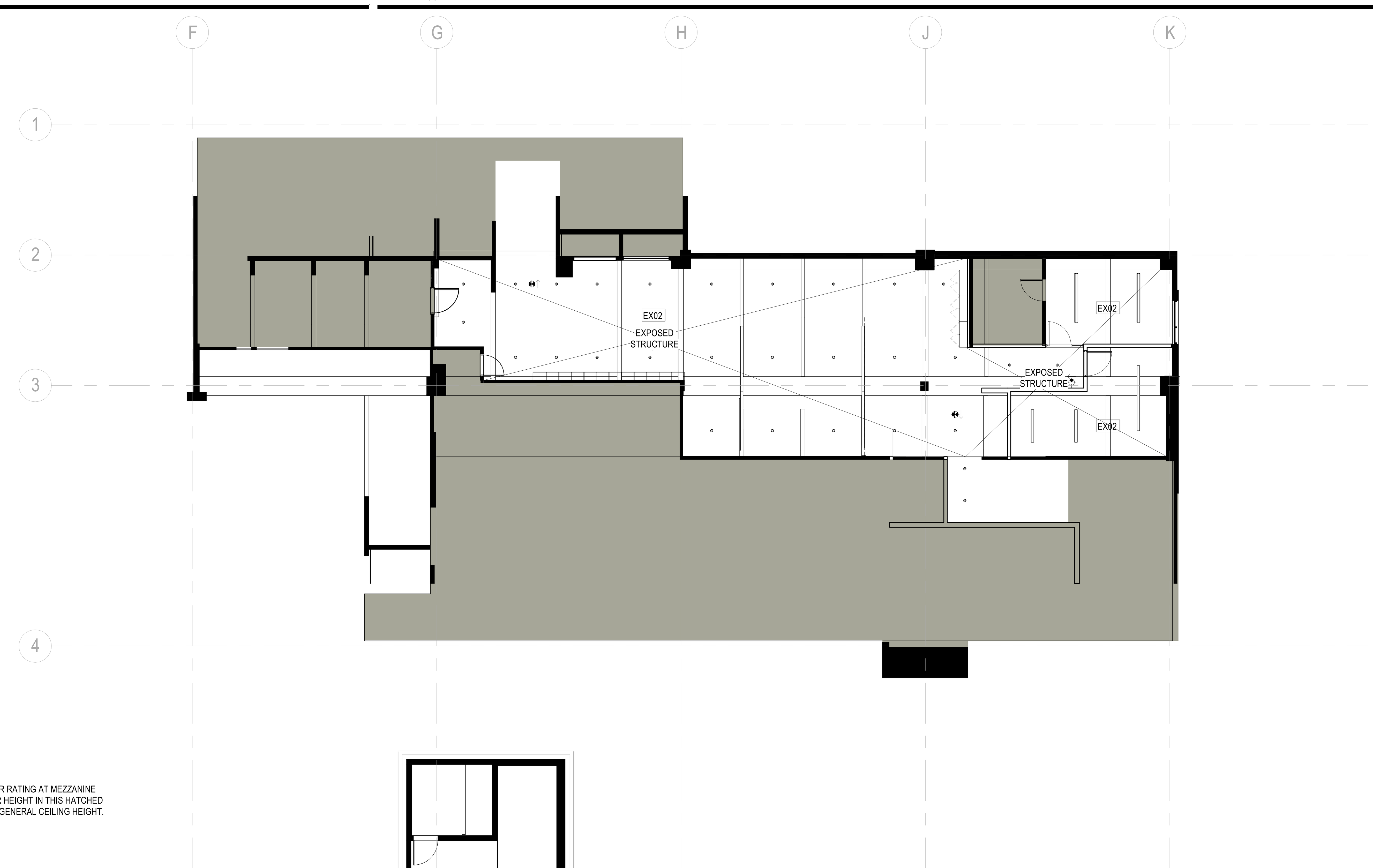
3 LEVEL 02.5 - A BUILDING LEVEL 02, BRIDGE LEVEL 01

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



01 RCP - A BUILDING LEVEL 03

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



CEILING LEGEND

5/8" GYP. LAMINATED TO STRUCTURE TO PROVIDE (1)-HOUR RATING AT MEZZANINE STRUCTURE. GYP. TO EXTEND ABOVE CEILINGS AT LOWER HEIGHT IN THIS HATCHED AREA. 5/8" GYP. TO BE LAMINATED TO ANY BEAMS BELOW GENERAL CEILING HEIGHT.

02 RCP - A BUILDING LEVEL 04

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

SHEET NOTES

01 GC TO COORDINATE FIXTURE LENGTH WITH MILLWORK

02 PENDANT FIXTURES TO BE CENTERED OVER THE ISLAND. GC TO COORDINATE FINAL FIXTURE HEIGHT WITH ARCHITECT IN FIELD.

03 EXPOSED BEAMS BELOW GENERAL CEILING HEIGHT TO BE CLAD IN 5/8" GYP

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

B. REFER TO 'G' SERIES DRAWINGS FOR SCHEDULES, LEGENDS, SYMBOLS, AND ABBREVIATIONS APPLICABLE TO THIS PLAN.

C. RE: ELECTRICAL DRAWINGS FOR MORE INFORMATION REGARDING LIGHT FIXTURES, SWITCHING, AND EMERGENCY LIGHTING.

D. G.C. SHALL COORDINATE THE ARRANGEMENT OF NEW ABOVE-CEILING ITEMS SO THAT ADEQUATE CLEARANCE FOR RECESSED CEILING-MOUNTED ITEMS IS PROVIDED.

E. ALL CEILINGS TO BE TYPE CL02, U.N.O.

F. ALL CEILINGS TO BE 9'-0" A.F.F., U.N.O.

G. EXISTING FIRE SPRINKLER SYSTEM TO BE MODIFIED AS REQUIRED BY LIFE SAFETY CODE TO REFLECT NEW PARTITION CONFIGURATION. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND CODE COMPLIANCE. SUBMIT SPRINKLER LAYOUT FOR REVIEW BY ARCHITECT (FOR AESTHETIC PURPOSES ONLY) PRIOR TO SUBMITTING DRAWINGS FOR PERMIT AND PRIOR TO INSTALLATION. G.C. WILL OTHERWISE BE REQUIRED TO RELOCATE HEADS AT ITS SOLE EXPENSE.

H. WHERE DEVICES SUCH AS LIGHT FIXTURES, SPRINKLER HEADS, STROBES, ETC, ARE LOCATED IN ACOUSTICAL CEILING PANEL, INSTALL DEVICE IN GEOMETRIC CENTER OF TILE, U.N.O.

I. LIGHT FIXTURE LOCATIONS SHALL TAKE PRECEDENCE OVER OTHER ELECTRICAL AND MECHANICAL DEVICES/FIXTURES.

J. LOCATIONS OF CEILING PENETRATIONS SUCH AS AIR DIFFUSERS, GRILLES, LIGHT FIXTURES, LIFE SAFETY DEVICES, AND SPRINKLER HEADS, ETC, SHALL MATCH EXISTING, WHERE APPLIES, AND SHOULD ALIGN WHERE POSSIBLE.

K. ALL ADJUSTABLE LIGHT FIXTURES SHALL BE AIMED PRIOR TO SUBSTANTIAL COMPLETION. SCHEDULE & COORDINATE WITH ARCHITECT TO REVIEW IN THE FIELD.

L. ALL GYPSUM BOARD CEILINGS SHALL BE PAINTED PT01, U.N.O.

M. CENTER CEILING TILE OR TEE IN ROOM, U.N.O.

N. ALL ACCESS PANELS LOCATED IN GYPSUM BOARD CEILINGS TO BE "BAUCO PLUS II" FROM ACCESS PANEL SOLUTIONS. SIZE ACCORDING TO LOCAL CODE. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO LAYOUT OF WORK REQUIRING ACCESS.

O. CONTRACTOR SHALL SUBMIT GYPSUM BOARD CEILING CONTROL JOINT LOCATIONS TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

P. IF LOCATION DIMENSIONS ARE NOT INDICATED, FINAL POSITIONING OF ALL EXPOSED DEVICES SHALL BE COORDINATED WITH ARCHITECT.

Q. PLUMB ALL STEM AND AIRCRAFT CABLE USED TO SUPPORT SUSPENDED LIGHT FIXTURES.

R. ALL EXIT LIGHTS/SIGNS TO MATCH BUILDING STANDARD, U.N.O.

S. FINISH OF HVAC DIFFUSERS, DRAPERY/SHADE POCKETS, SPEAKER GRILLES, AND OTHER ITEMS LOCATED IN CEILINGS ARE TO MATCH ADJACENT CEILING, U.N.O.

T. ELECTRICAL CONTRACTOR IS TO PROVIDE ALL REQUIRED CONDUITS, PULL BOXES, HOME RUNS, WALL JUNCTION BOXES, PLASTER RINGS, ETC. FOR INSTALLATION, PULLING, ETC. OF ALL VOICE/DATA DEVICES, CABLES, SECURITY DEVICES, ETC. G.C. TO COORDINATE.

U. ALL STRUCTURE AND EQUIPMENT TO BE PAINTED PT01 DRY FALL AT AREAS WITH EXPOSED STRUCTURE, U.N.O.

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
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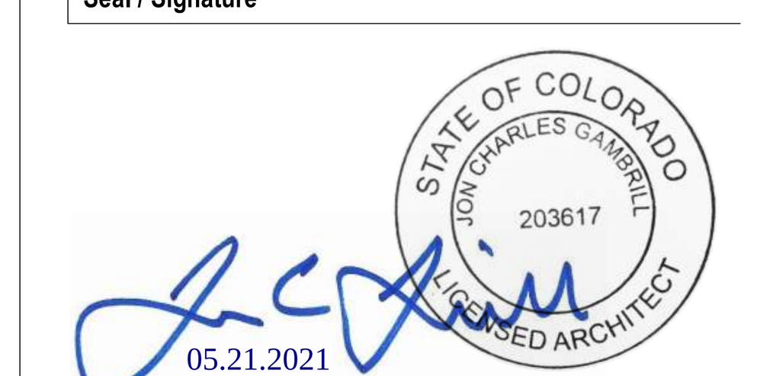


Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

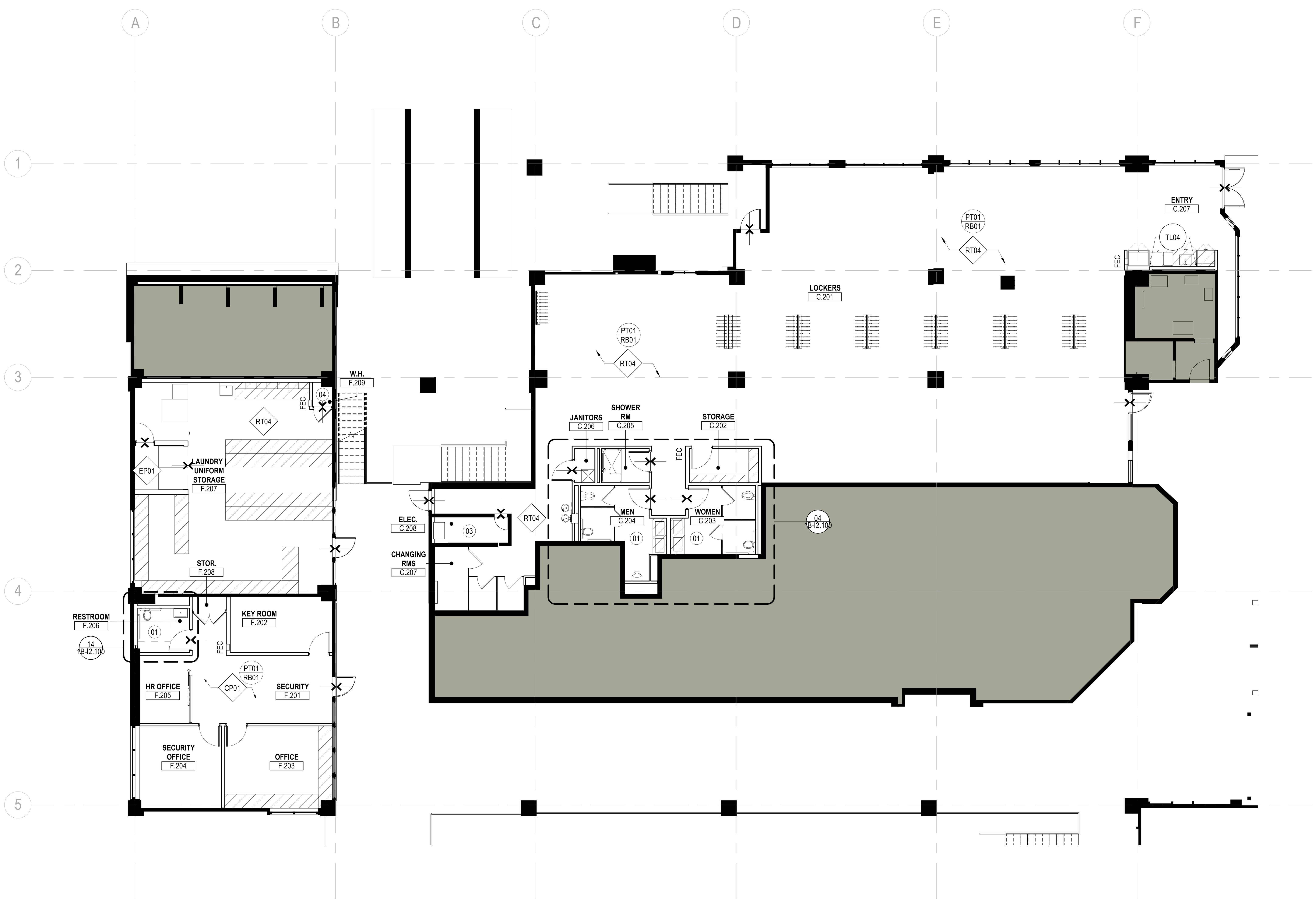
Description

REFLECTED CEILING PLAN - A BUILDING LEVEL 03 & 04

Scale

As indicated

1B-I1.403



01 FINISH PLAN - C BUILDING LEVEL 02

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

SHEET NOTES

01 ALL RESTROOM WALLS TO RECEIVE TL06 TILE WALL BASE EXCEPT FOR LOCATIONS WITH TL05 WALL TILE.

03 EXISTING FLOOR TO REMAIN.

04 CONFIRM EXISTING FLOOR FINISH. PROVIDE SEALED CONCRETE FLOORING FOR NEW WATER CLOSET.

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

B. REFER TO THE "G" SHEET SERIES FOR GENERAL PROJECT NOTES, MOUNTING HEIGHTS, GRAPHIC SYMBOLS, AND ABBREVIATIONS APPLICABLE TO THIS PLAN. REFER TO SHEET G0.500 FOR ALL FINISH SPECIFICATIONS.

C. REFER TO SHEET I5.300 FOR TRANSITION AND BASE DETAILS.

D. ALL EXISTING TO REMAIN AND NEW WALLS TO BE PAINTED PT01 THROUGHOUT ENTIRE PROJECT, U.N.O.

E. ALL FLOORING TO BE CP01 WITH BASE RB01 THROUGHOUT PROJECT SCOPE, U.N.O.

F. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

G. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.

H. ALL VINYL AND/OR RUBBER BASE IS TO BE ROLLED GOODS.

I. PROVIDE FINISH PAINT AT ALL WALL AREAS INCLUDING AREAS THAT ARE EXPOSED BEHIND ANY APPLIED MILLWORK, PANELS, CONSTRUCTION, ETC DUE TO REVEALS, JOINTS, END CONDITIONS, ETC, TYP.

J. ALL PAINT TO BE LOW V.O.C., U.N.O.

K. PREP SLAB AS REQUIRED FOR SPECIFIED FLOOR FINISH. FLOOR FINISH SHALL EXTENT UNDER ALL OPEN CABINETS AND APPLIANCE AREAS.

L. WHERE FLOORING TRANSITION OCCURS AT A DOORWAY, CENTER THE FLOORING TRANSITION UNDER THICKNESS OF DOOR.

M. NOT ALL FINISHES ON THIS PROJECT MAY BE INDICATED ON THIS PLAN. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

N. N. ALL BRICK COLUMNS TO BE PAINTED TO MATCH ADJACENT WALL OR PT01 IF FREE STANDING, U.N.O.

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers

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Golden, CO
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MARTIN/MARTIN CONSULTING ENGINEERS

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STATE OF COLORADO
JON CHARLES GABRIEL
203617
LICENSED ARCHITECT
05.21.2021

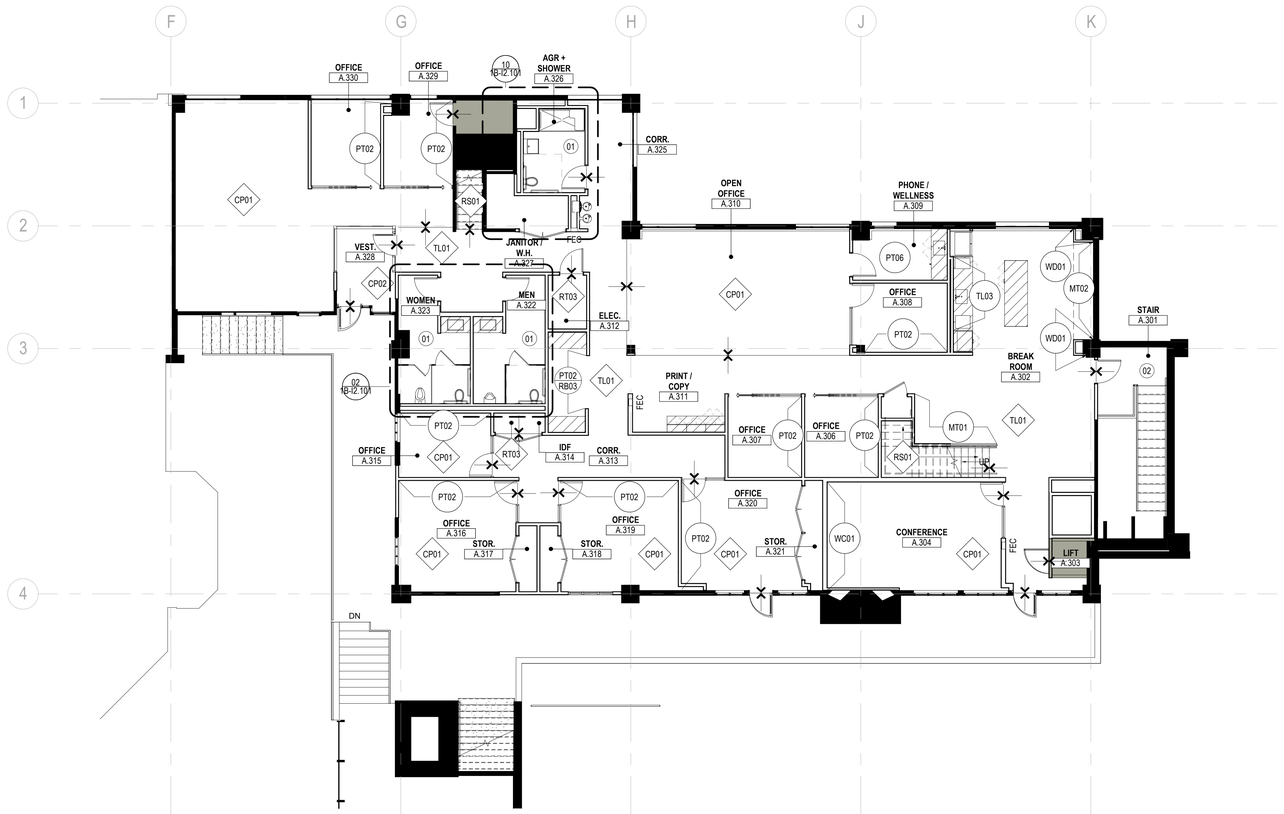
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
FINISH PLAN - C & F BUILDING LEVEL 02

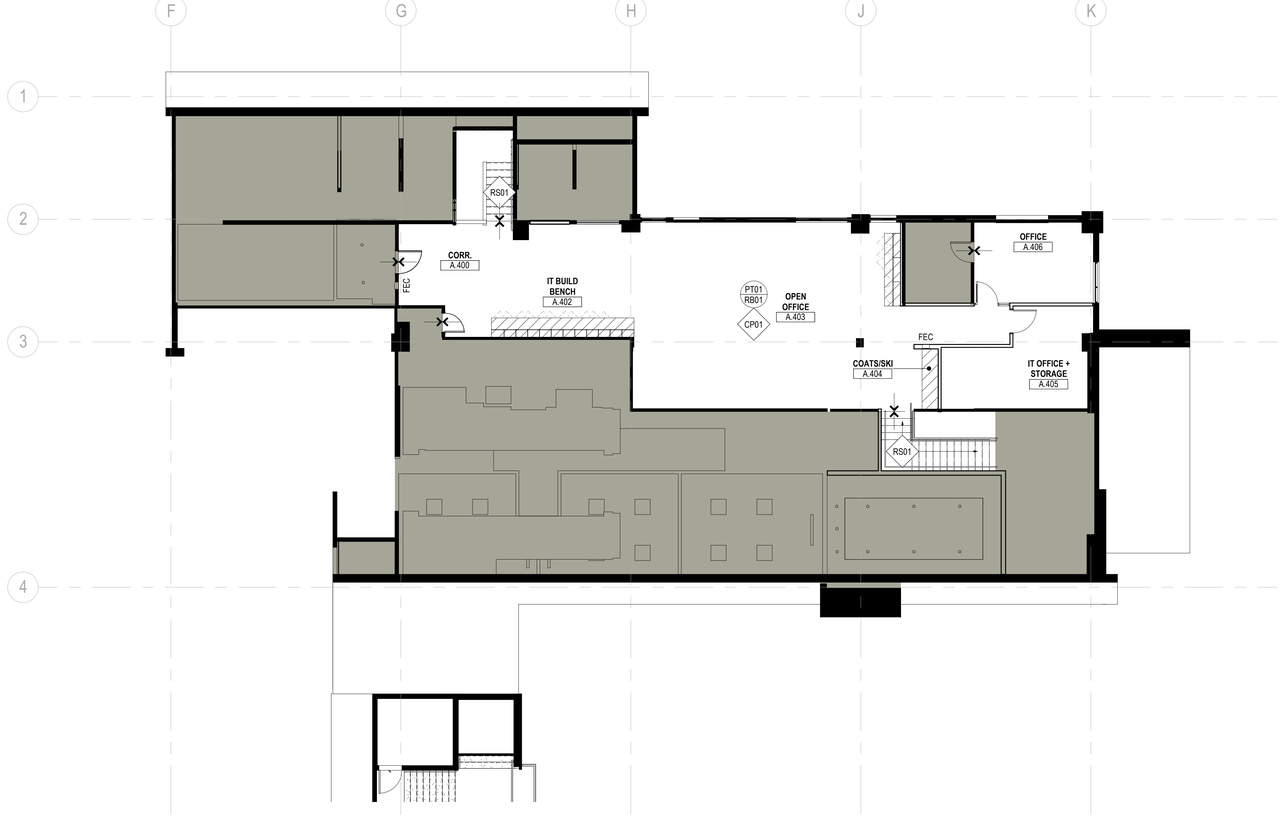
Scale
1/8" = 1'-0"

1B-I1.502



01 FINISH PLAN - A BUILDING LEVEL 03

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



02 FINISH PLAN - A BUILDING LEVEL 04

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

SHEET NOTES

01 ALL RESTROOM WALLS TO RECEIVE TL06 TILE WALL BASE EXCEPT FOR LOCATIONS WITH TL05 WALL TILE.

02 ENTIRE STAIRWELL TO RECEIVE NEW RS01 FLOORING ON STAIRS, RT02 ON FLOOR, PT02 + RB03 ON WALLS.

GENERAL NOTES

A. ALL SCREENED AREAS INDICATE EXISTING CONSTRUCTION TO REMAIN AND AREAS NOT IN CONTRACT, U.N.O.

B. REFER TO THE "G" SHEET SERIES FOR GENERAL PROJECT NOTES, MOUNTING HEIGHTS, GRAPHIC SYMBOLS, AND ABBREVIATIONS APPLICABLE TO THIS PLAN. REFER TO SHEET G0.500 FOR ALL FINISH SPECIFICATIONS.

C. REFER TO SHEET I5.300 FOR TRANSITION AND BASE DETAILS.

D. ALL EXISTING TO REMAIN AND NEW WALLS TO BE PAINTED PT01 THROUGHOUT ENTIRE PROJECT, U.N.O.

E. ALL FLOORING TO BE CP01 WITH BASE RB01 THROUGHOUT PROJECT SCOPE, U.N.O.

F. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

G. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.

H. ALL VINYL AND/OR RUBBER BASE IS TO BE ROLLED GOODS.

I. PROVIDE FINISH PAINT AT ALL WALL AREAS INCLUDING AREAS THAT ARE EXPOSED BEHIND ANY APPLIED MILLWORK, PANELS, CONSTRUCTION, ETC DUE TO REVEALS, JOINTS, END CONDITIONS, ETC, TYP.

J. ALL PAINT TO BE LOW V.O.C., U.N.O.

K. PREP SLAB AS REQUIRED FOR SPECIFIED FLOOR FINISH. FLOOR FINISH SHALL EXTENT UNDER ALL OPEN CABINETS AND APPLIANCE AREAS.

L. WHERE FLOORING TRANSITION OCCURS AT A DOORWAY, CENTER THE FLOORING TRANSITION UNDER THICKNESS OF DOOR.

M. NOT ALL FINISHES ON THIS PROJECT MAY BE INDICATED ON THIS PLAN. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

N. N. ALL BRICK COLUMNS TO BE PAINTED TO MATCH ADJACENT WALL OR PT01 IF FREE STANDING, U.N.O.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
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06/29/2021

Seal / Signature

STATE OF COLORADO · JON CHARLES CAMPBELL · 203617 · LICENSED ARCHITECT
05.21.2021

Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

Description

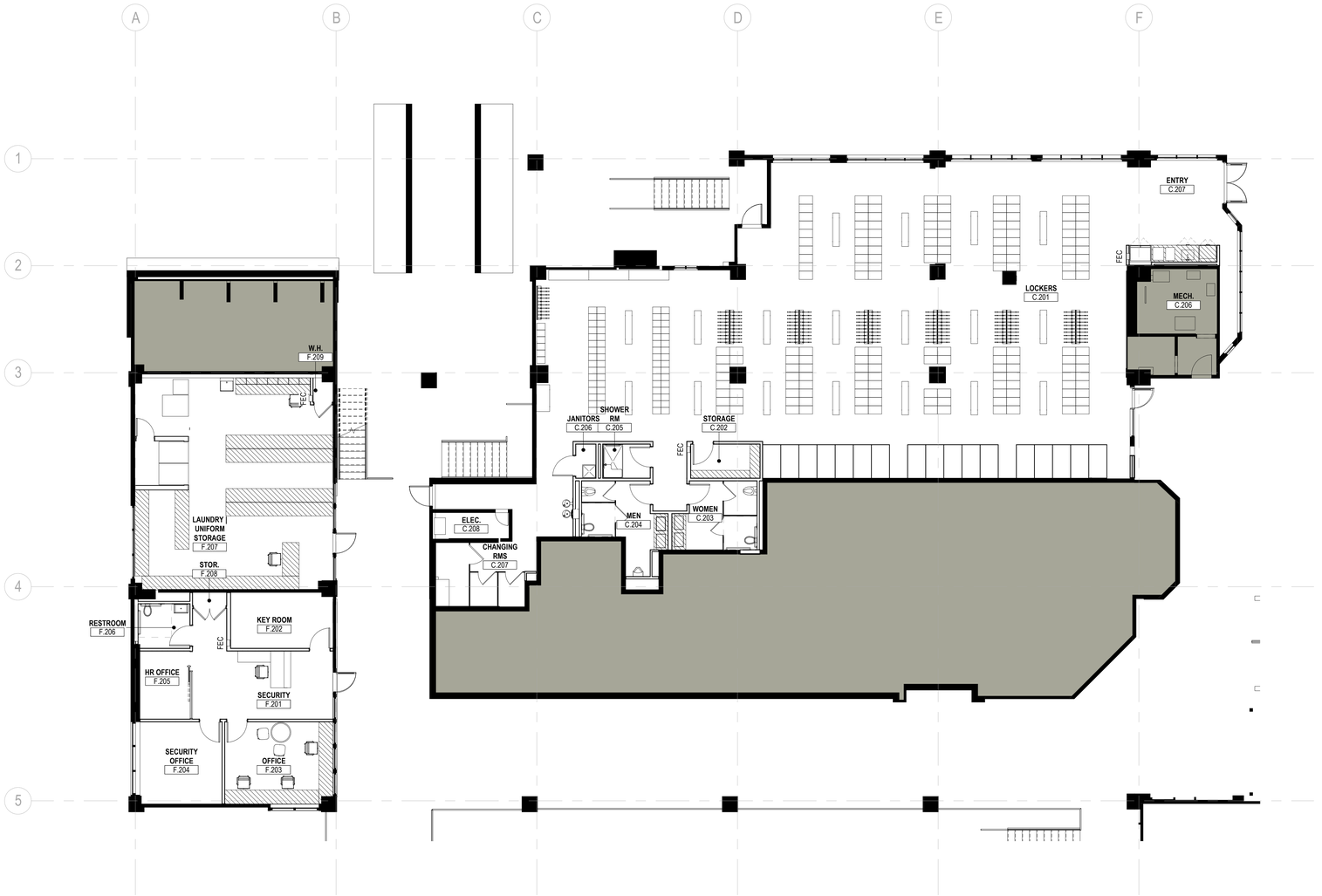
FINISH PLAN - A BUILDING LEVEL 03 & 04

Scale

1/8" = 1'-0"

1B-I1.503

FOR REFERENCE ONLY



01 FURNITURE PLAN - C BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

SHEET NOTES

GENERAL NOTES

A. FURNITURE PLAN IS SHOWN FOR REFERENCE ONLY.
B. GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER'S FURNITURE VENDOR REGARDING EXACT FURNITURE LOCATIONS AND CABLING CONFIGURATIONS.

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Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
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STATE OF COLORADO
JON CHARLES GENEREL
203617
LICENSED ARCHITECT
05.21.2021

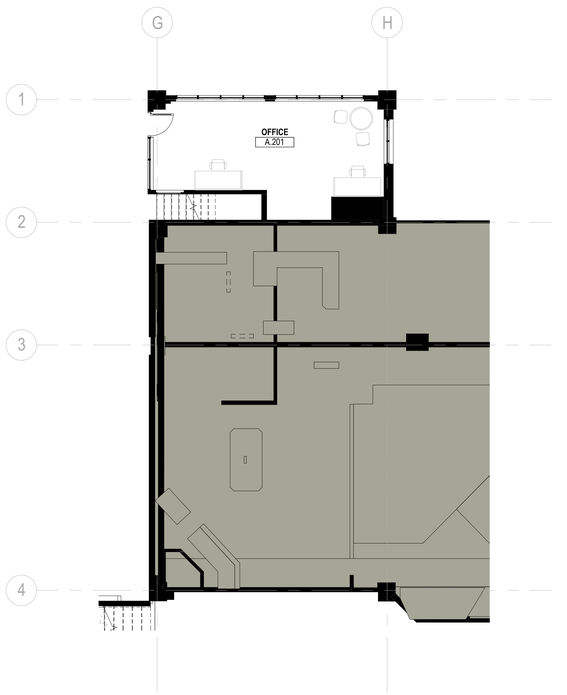
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
FURNITURE PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

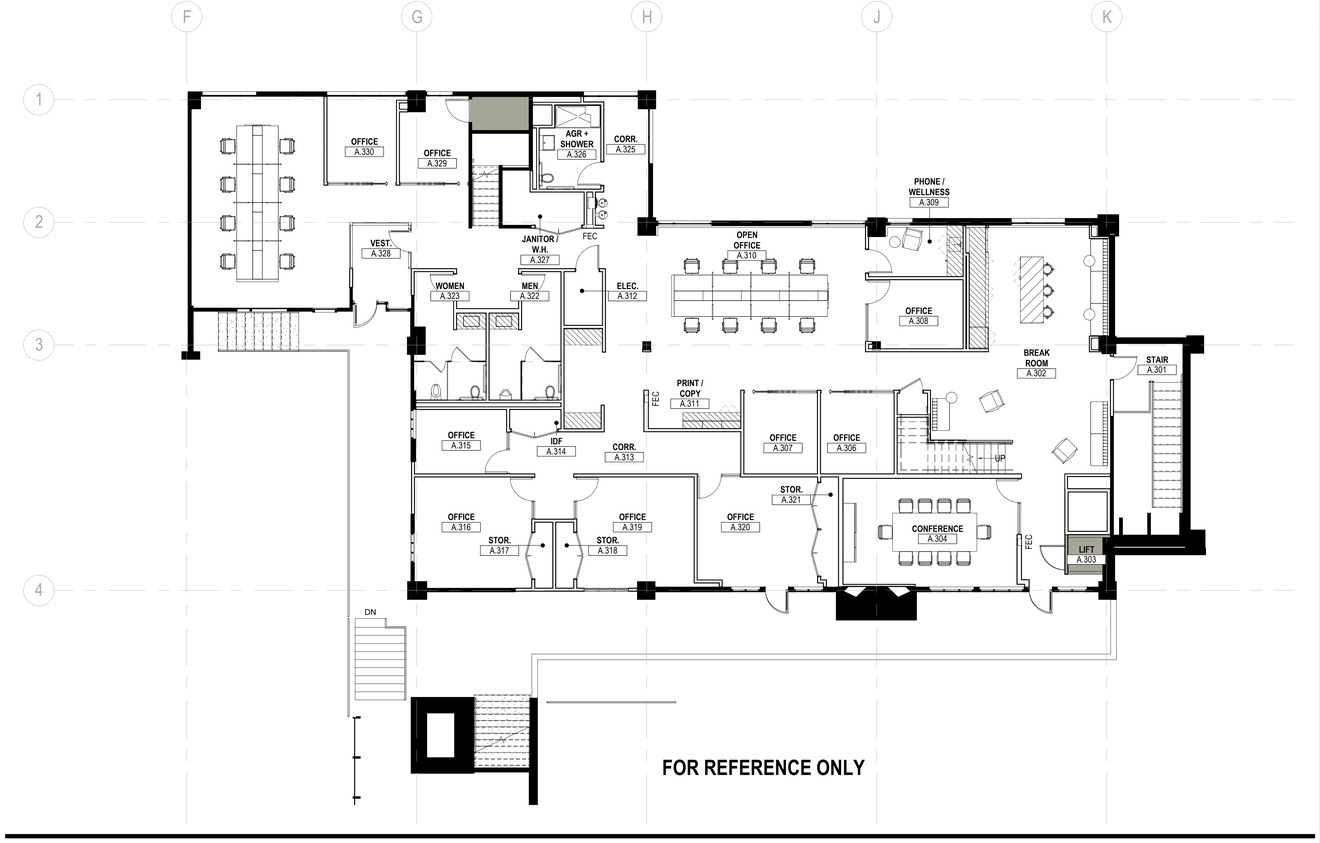
1B-I1.602



FOR REFERENCE ONLY

03 FURNITURE PLAN - A BUILDING LEVEL 02.5

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



FOR REFERENCE ONLY

01 FURNITURE PLAN - A BUILDING LEVEL 03

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

FOR REFERENCE ONLY

02 FURNITURE PLAN - A BUILDING LEVEL 04

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

SHEET NOTES

GENERAL NOTES

A. FURNITURE PLAN IS SHOWN FOR REFERENCE ONLY.
B. GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER'S FURNITURE VENDOR REGARDING EXACT FURNITURE LOCATIONS AND CABLING CONFIGURATIONS.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
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△	Date	Description
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
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Seal / Signature

STATE OF COLORADO · JON CHARLES CAMPBELL · 203617 · LICENSED ARCHITECT
05.21.2021

Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

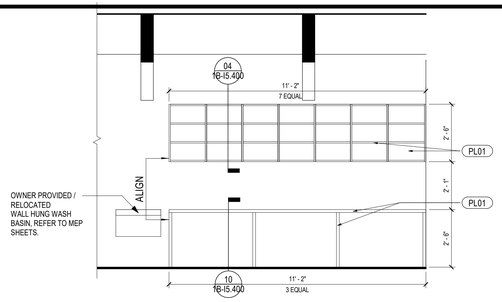
Description

FURNITURE PLAN - A BUILDING LEVEL 03 & 04

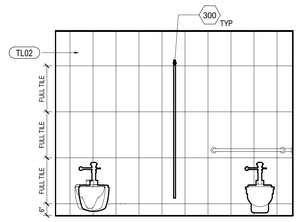
Scale

1/8" = 1'-0"

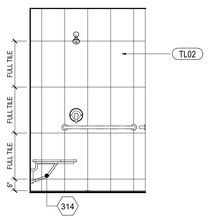
1B-I1.603



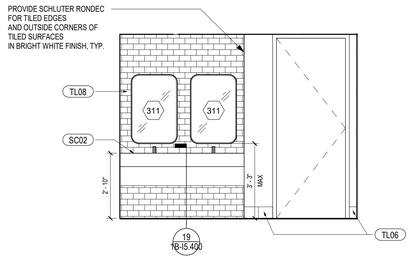
10 F.207 LAUNDRY / UNIFORM STORAGE
SCALE: 3/8" = 1'-0"



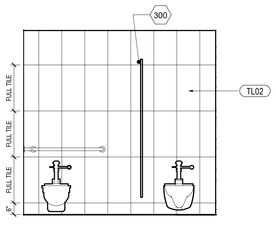
05 C.203 WOMEN'S RESTROOM - EAST
SCALE: 3/8" = 1'-0"



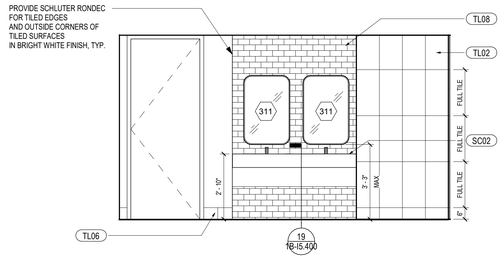
11 C.205 SHOWER ROOM - WEST
SCALE: 3/8" = 1'-0"



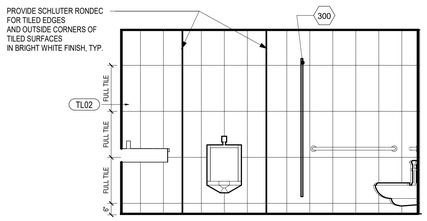
06 C.203 WOMEN'S RESTROOM - WEST
SCALE: 3/8" = 1'-0"



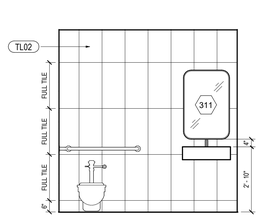
12 C.204 MEN'S RESTROOM - WEST
SCALE: 3/8" = 1'-0"



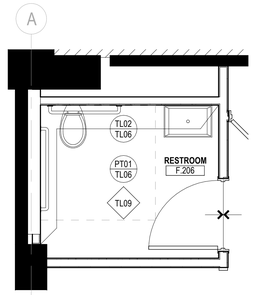
07 C.204 MEN'S RESTROOM - EAST
SCALE: 3/8" = 1'-0"



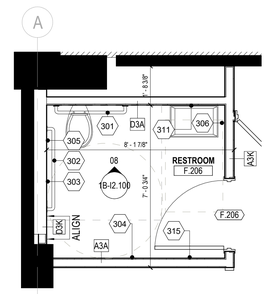
13 C.204 MEN'S RESTROOM - SOUTH
SCALE: 3/8" = 1'-0"



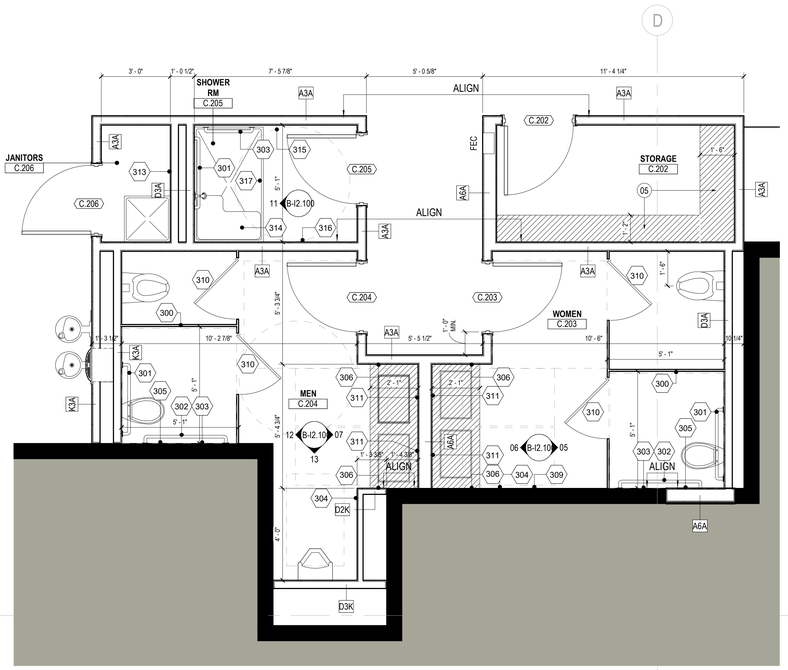
08 F.206 RESTROOM - NORTH
SCALE: 3/8" = 1'-0"



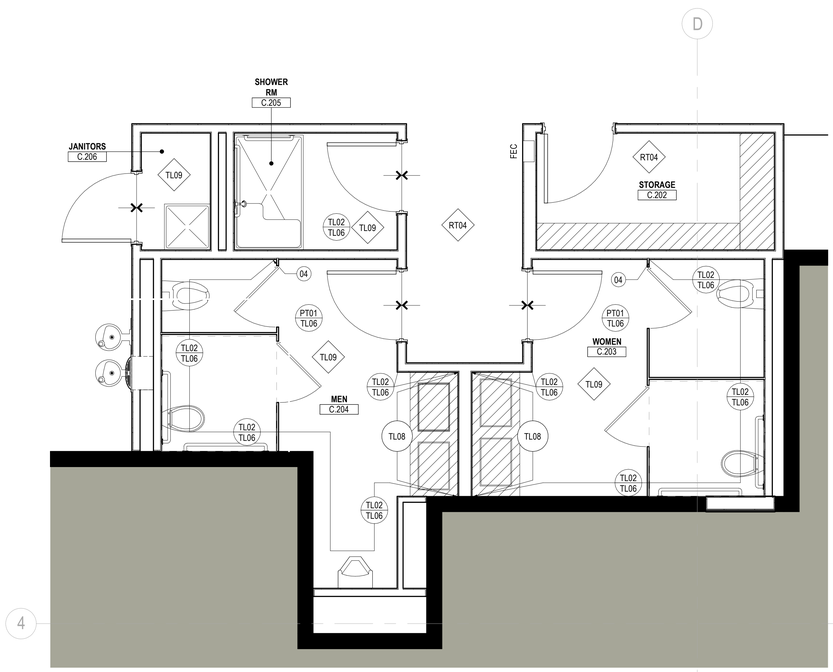
14 F.206 RESTROOM - ENLARGED FINISH PLAN
SCALE: 3/8" = 1'-0"



09 F.206 RESTROOM - ENLARGED CONST. PLAN
SCALE: 3/8" = 1'-0"



02 ENLARGED CONST. PLAN - C BUILDING LEVEL 02 - RESTROOMS
SCALE: 3/8" = 1'-0"



04 ENLARGED FINISH PLAN - C BUILDING LEVEL 02 - RESTROOM
SCALE: 3/8" = 1'-0"

SHEET NOTES

04 PROVIDE SCHLUTER SHIENE TRANSITION IN BRIGHT WHITE FINISH, TYP.

05 PROVIDE (6) "PL03" PLASTIC LAMINATE ADJUSTABLE SHELVES ON HEAVY DUTY STANDARDS & BRACKETS.

GENERAL NOTES

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ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
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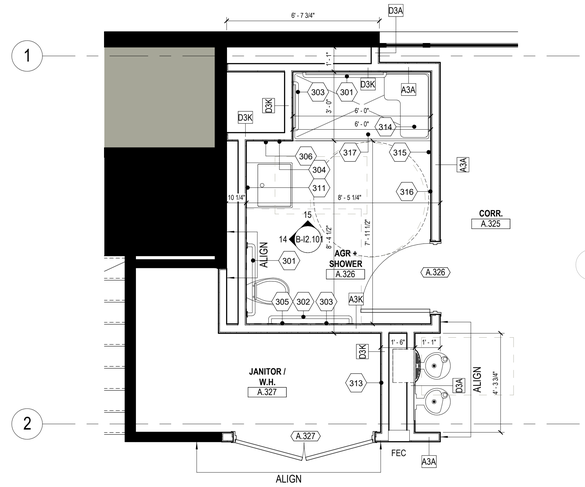
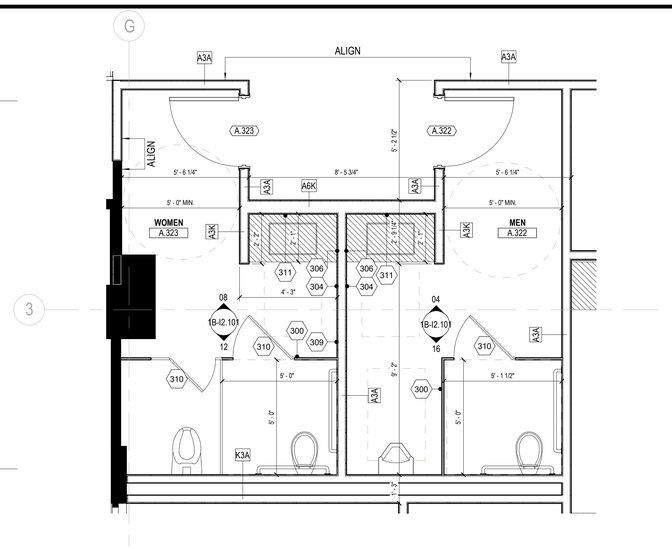
1B-I2.100



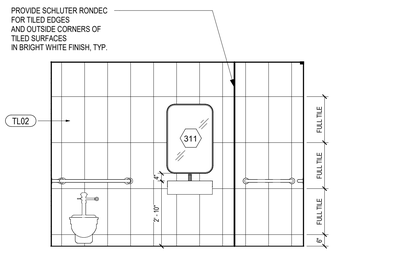
09 A.326 AGR AND SHOWER ENLARGED PLAN

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



01 A.323 A.322 RESTROOM ENLARGED PLAN

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



14 A.326 AGR & SHOWER - WEST

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

10 ENLARGED FINISH PLAN - A BUILDING LEVEL 03 SHOWER

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

02 ENLARGED FINISH PLAN - A BUILDING LEVEL 03 RESTROOMS

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

16 A.322 SOUTH MEN'S RESTROOM

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

12 A.323 SOUTH WOMEN'S RESTROOM

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

08 A.323 NORTH WOMEN'S RESTROOM

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

04 A.322 NORTH MEN'S RESTROOM1

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

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
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JON CHARLES CAMPBELL
203617
LICENSED ARCHITECT
05.21.2021

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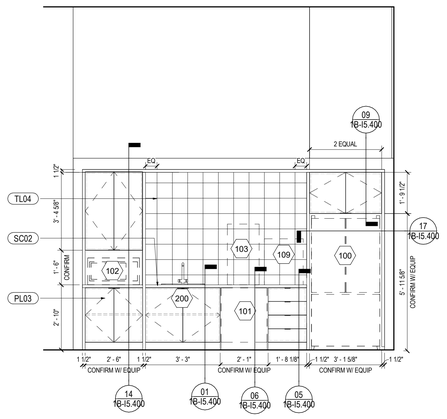
003.7835.000

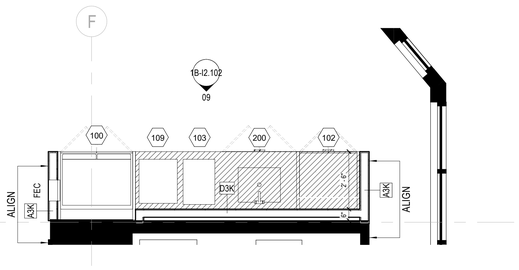
Description
ENLARGED PLANS + ELEVATIONS

Scale
3/8" = 1'-0"

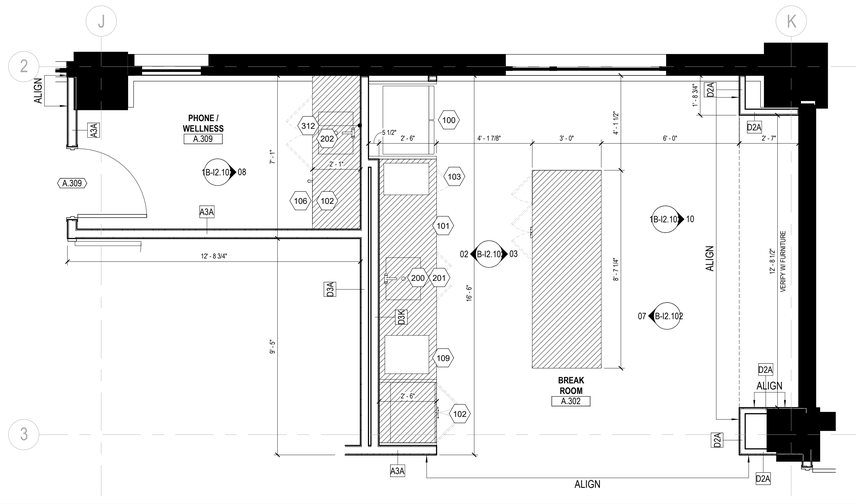
1B-I2.101



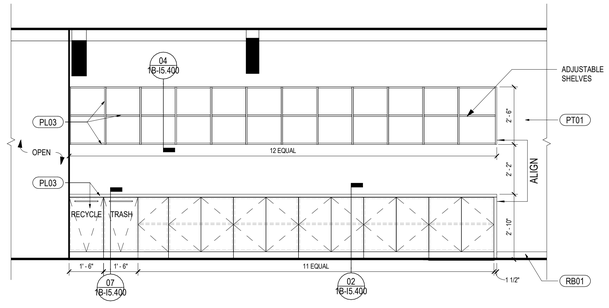
09 C.207 BREAK ROOM SOUTH
SCALE: 3/8" = 1'-0"



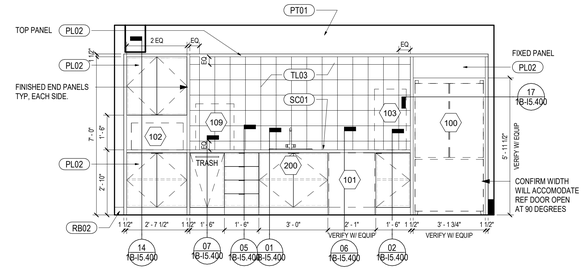
05 C.207 BREAK ROOM - ENLARGED CONSTRUCTION PLAN
SCALE: 3/8" = 1'-0"



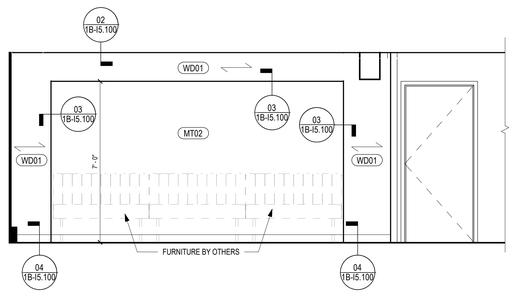
01 A.302 BREAK ROOM ENLARGED PLAN
SCALE: 3/8" = 1'-0"



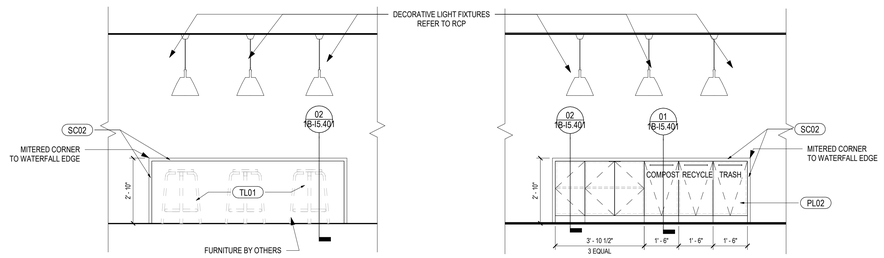
06 A.402 WORK BENCH
SCALE: 3/8" = 1'-0"



02 A.302 WEST BREAK ROOM ELEVATION
SCALE: 3/8" = 1'-0"

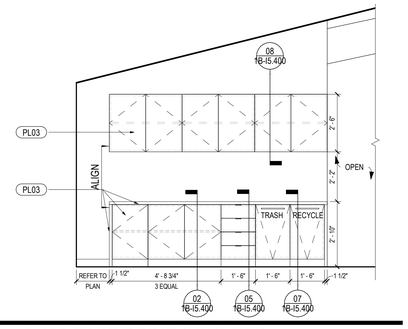


10 BREAK ROOM BANQUETTE
SCALE: 3/8" = 1'-0"

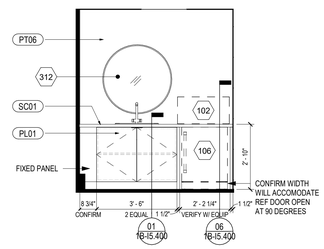


07 A.302 WEST BREAK ROOM ISLAND ELEVATION
SCALE: 3/8" = 1'-0"

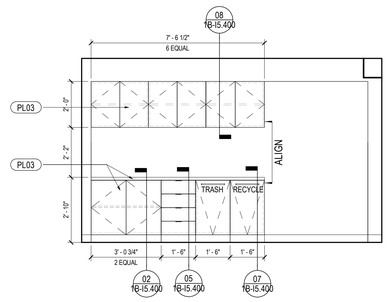
03 A.302 EAST BREAK ROOM ISLAND ELEVATION
SCALE: 3/8" = 1'-0"



11 A.403 EAST PRINT COUNTER
SCALE: 3/8" = 1'-0"



08 WELLNESS ROOM
SCALE: 3/8" = 1'-0"



04 A.311 PRINT / COPY
SCALE: 3/8" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
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Tel 303.595.8585
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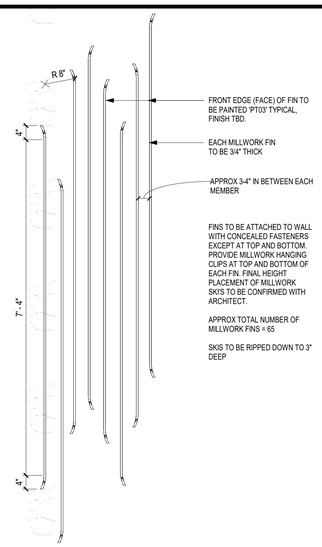
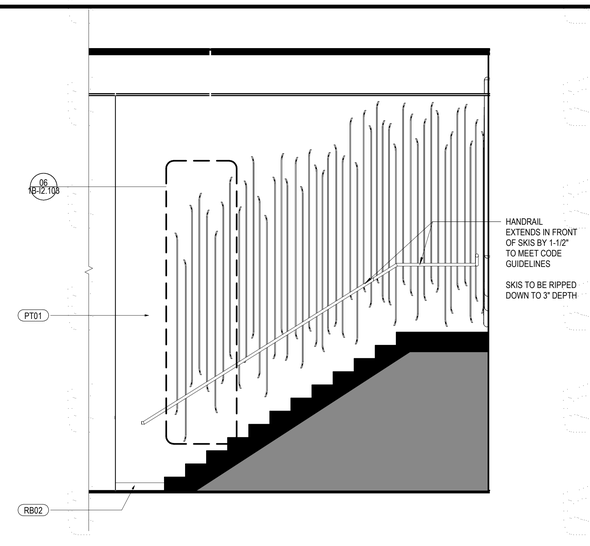
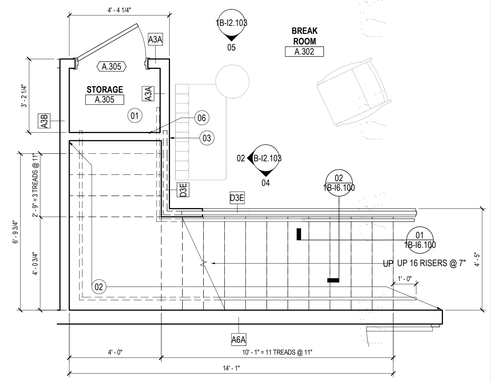
1B-I2.102



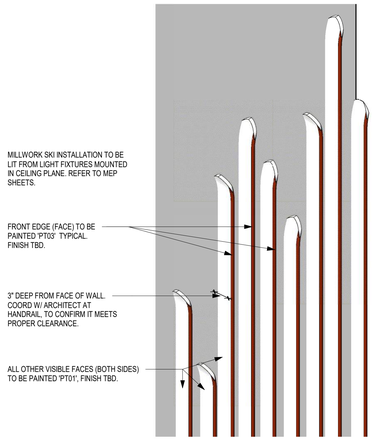
06 SKI FEATURE WALL DETAIL
SCALE: 3/4" = 1'-0"



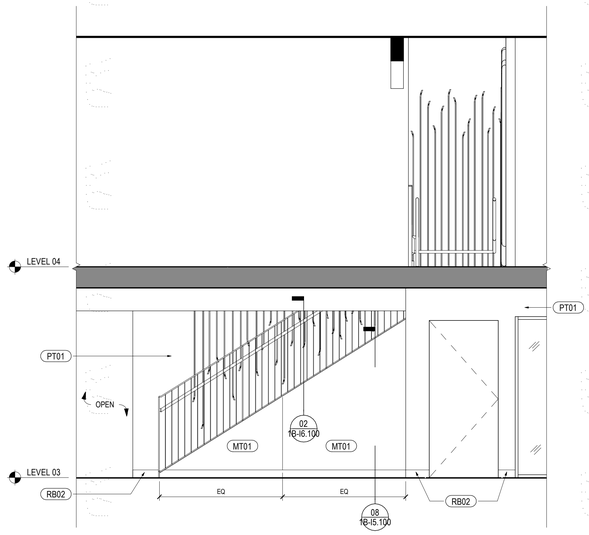
04 A.302 BREAK / ENTRY STAIR SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



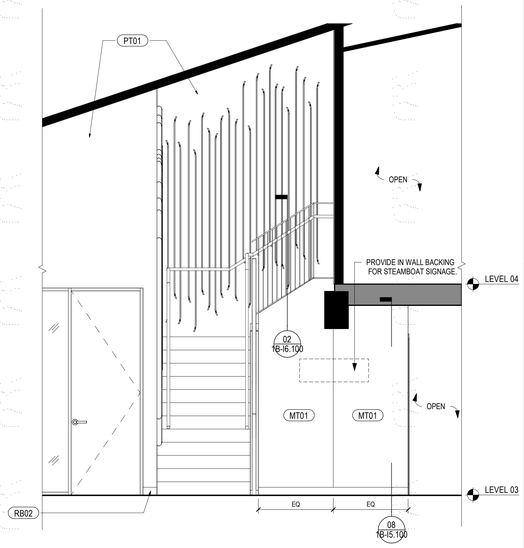
01 A.302 BREAK / ENTRY ENLARGED PLANS
SCALE: 3/8" = 1'-0"



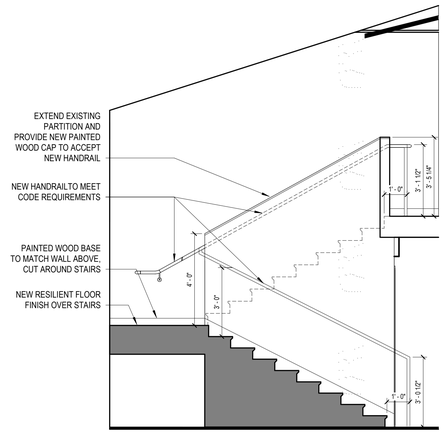
07 SKI WALL AXO
SCALE:



05 STAIR SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



02 BREAK / ENTRY STAIR WEST ELEVATION
SCALE: 3/8" = 1'-0"



03 STAIR WALL
SCALE: 3/8" = 1'-0"

SHEET NOTES

01 PROVIDE FINISHED CLOSET AT UNDERSIDE OF EXISTING STAIR FOR PACKAGE STORAGE. PROVIDE GYPSUM BOARD, WALL BASE, PAINT AND EXTEND FLOORING INTO CLOSET.

02 PROVIDE ADDITIONAL BLOCKING IN WALL TO SUPPORT DIMENSIONAL GRAPHICS APPLICATION. RE: ELEVATION.

03 PROVIDE IN WALL BACKING FOR STEAMBOAT SIGNAGE.

06 CONTRACTOR TO FIELD VERIFY EXISTING FRAMING AT TOP OF THE STAIR CONNECTION. PROVIDE EXISTING FRAMING SIZE AND LAYOUT FOR REVIEW.

GENERAL NOTES

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
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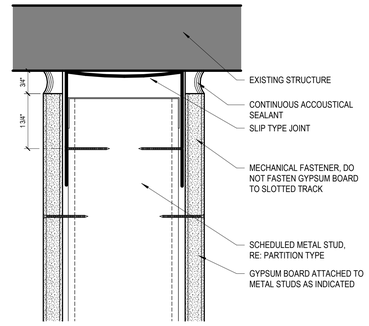
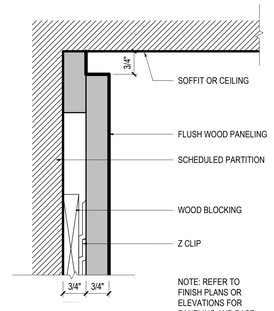
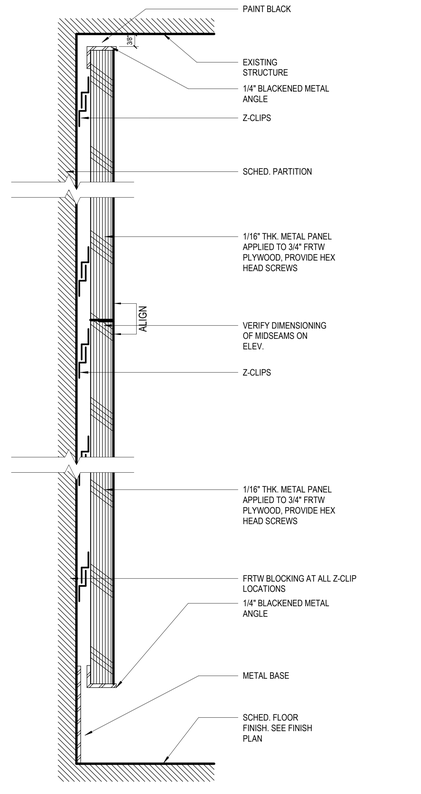
1B-I2.103



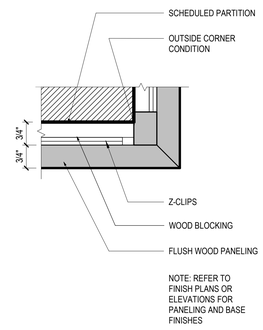
01 SLIP-TYPE JOINT HEAD DETAIL
SCALE: 6" = 1'-0"



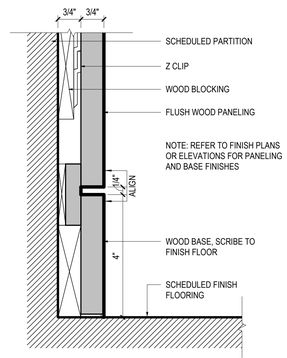
02 MILLWORK PANEL HEAD
SCALE: 6" = 1'-0"



08 FP_METAL PANEL
SCALE: 6" = 1'-0"



03 MILLWORK PANEL - OUTSIDE CORNER
SCALE: 6" = 1'-0"



04 MILLWORK PANEL BASE
SCALE: 6" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
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△	Date	Description
—	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

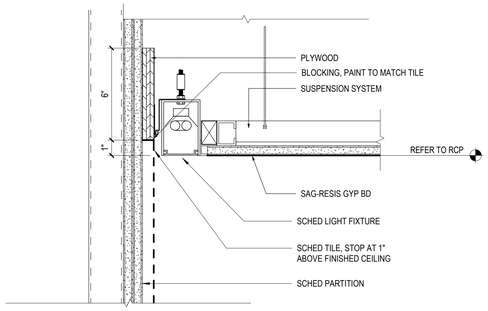
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

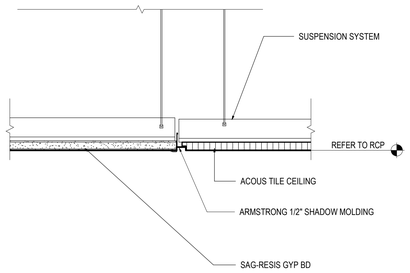
Description
CONSTRUCTION DETAILS

Scale
6" = 1'-0"

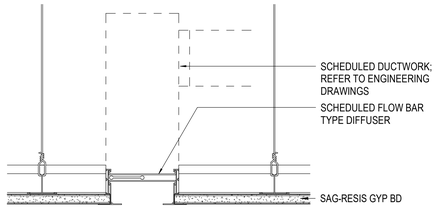
1B-I5.100



05 DETAIL @ LIGHT COVE
SCALE: 1 : 5

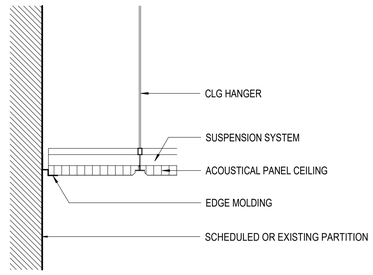


01 ACT TO GYP. TRANSITION
SCALE: 3" = 1'-0"

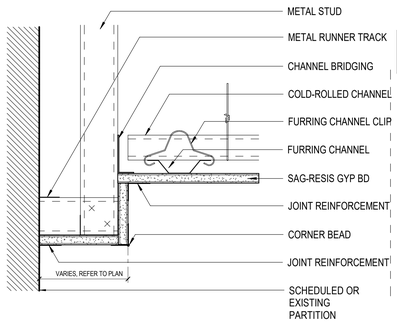


BORDER TYPE 22; REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION

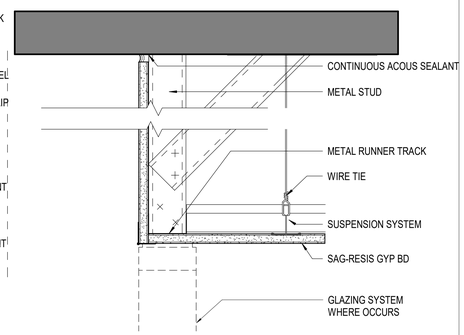
06 FLOW BAR @ GYP BD CEILING
SCALE: 3" = 1'-0"



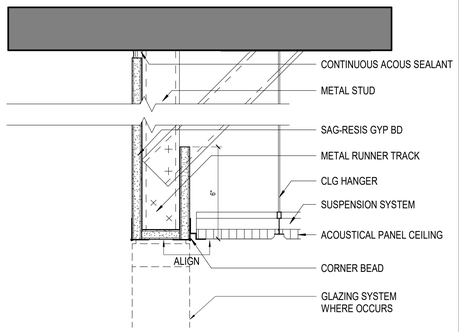
02 ACT @ PARTITION
SCALE: 3" = 1'-0"



07 GB SOFFIT STEPPED TO GYP BD CEILING
SCALE: 3" = 1'-0"



03 CEILING DETAIL @ SOFFIT
SCALE: 3" = 1'-0"



04 FLUSH HEADER @ OPEN CLG.
SCALE: 3" = 1'-0"

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ALTERRA MOUNTAIN COMPANY east west partners

2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
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Tel 303.595.8585
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me engineers
14143 Denver West Pkwy
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STATE OF COLORADO
JON CHARLES CAMPBELL
203617
LICENSED ARCHITECT
05.21.2021

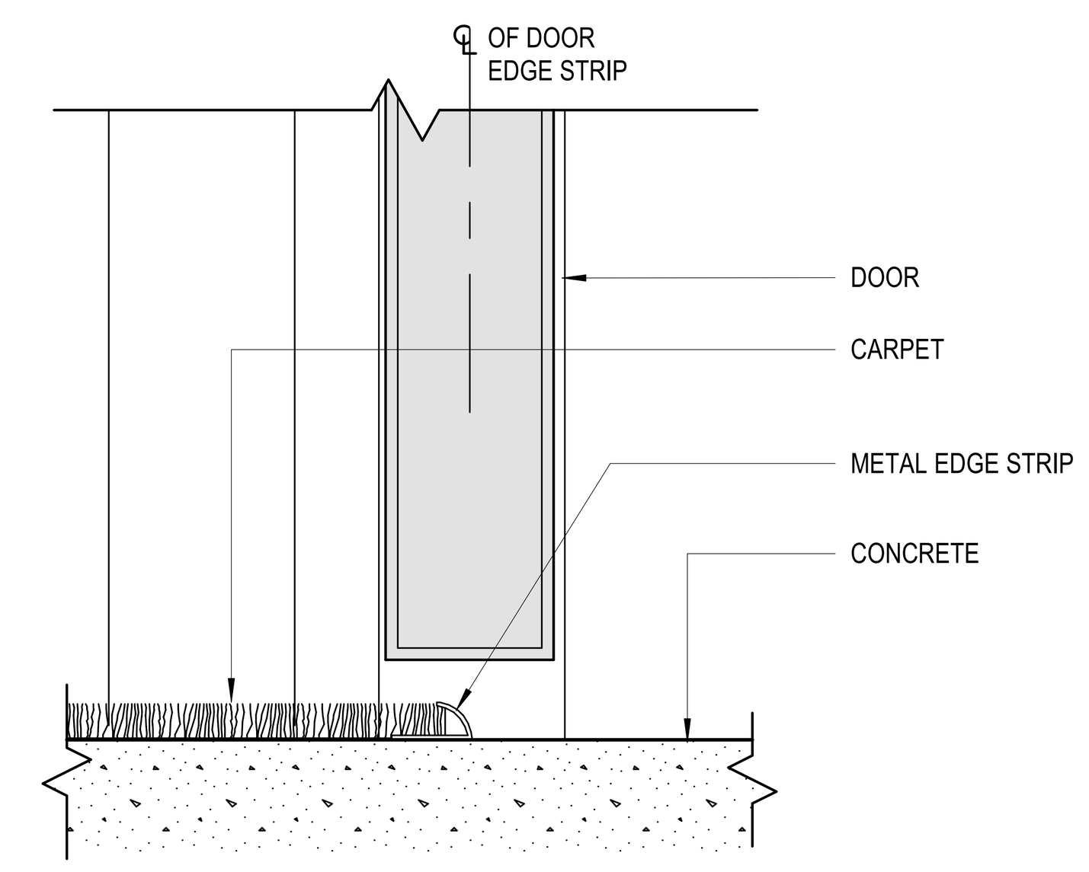
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

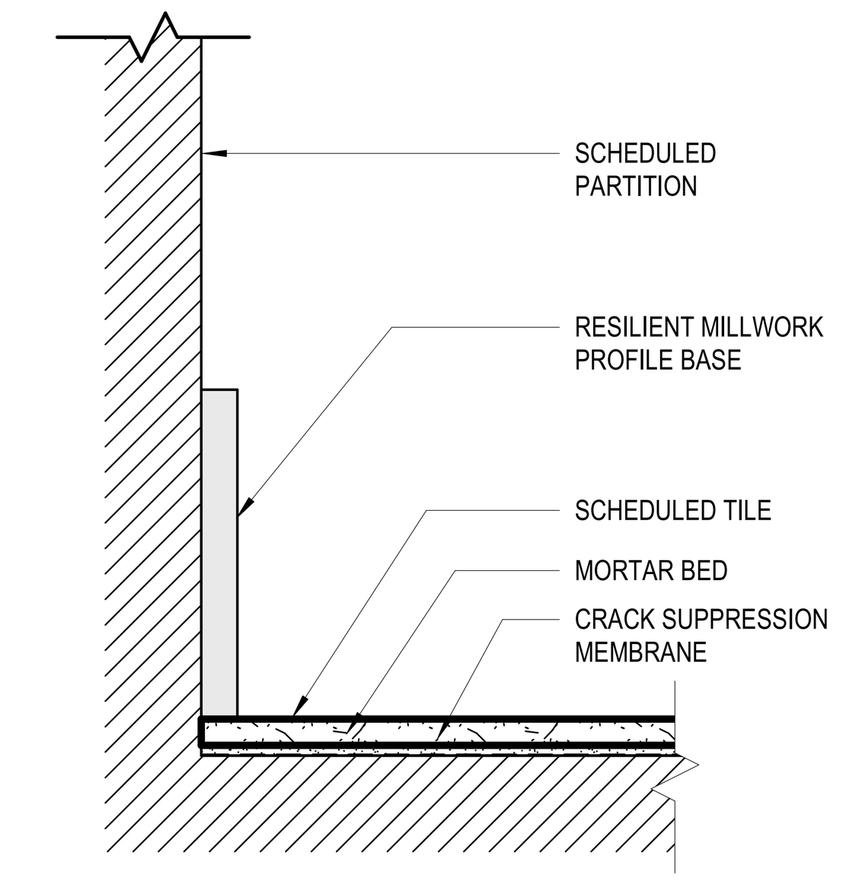
Description
CEILING DETAILS

Scale
1 : 5

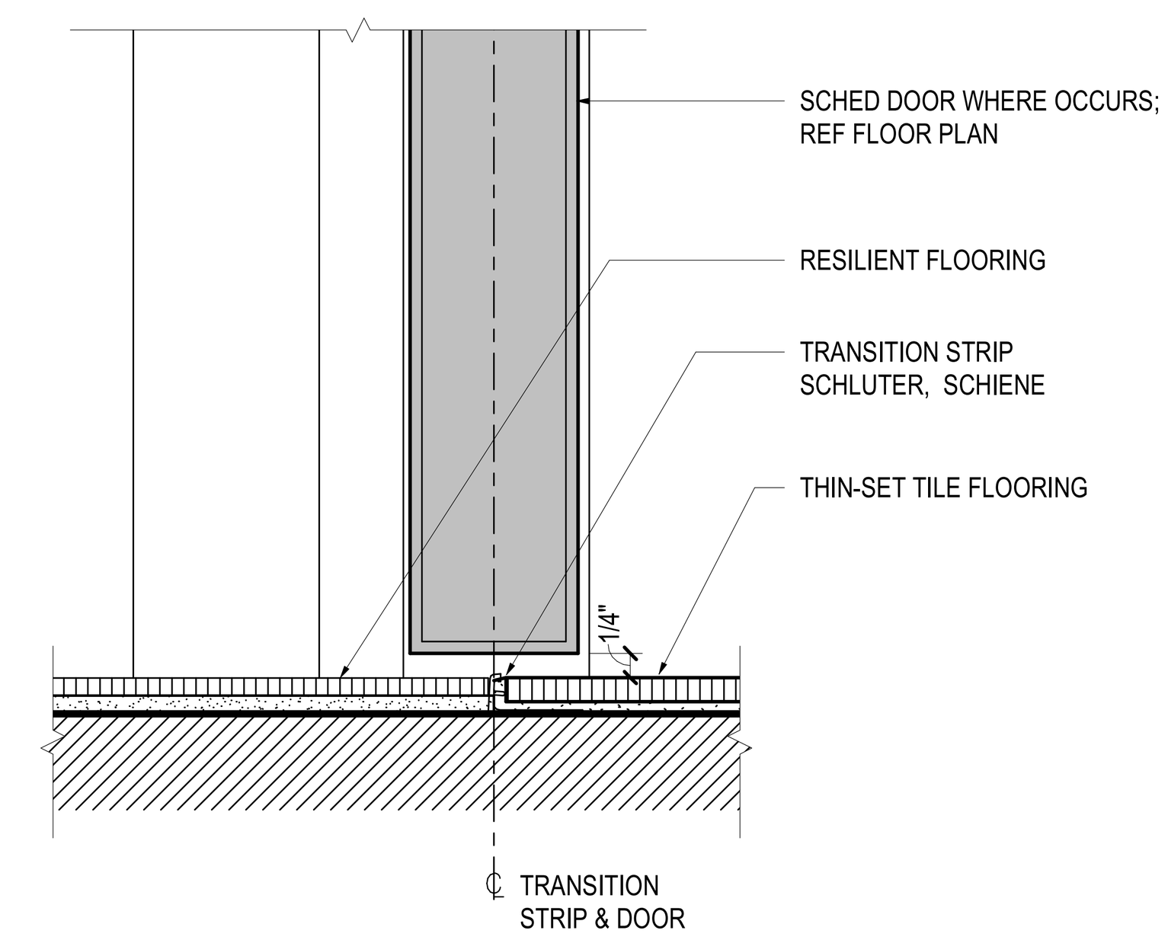
1B-I5.200



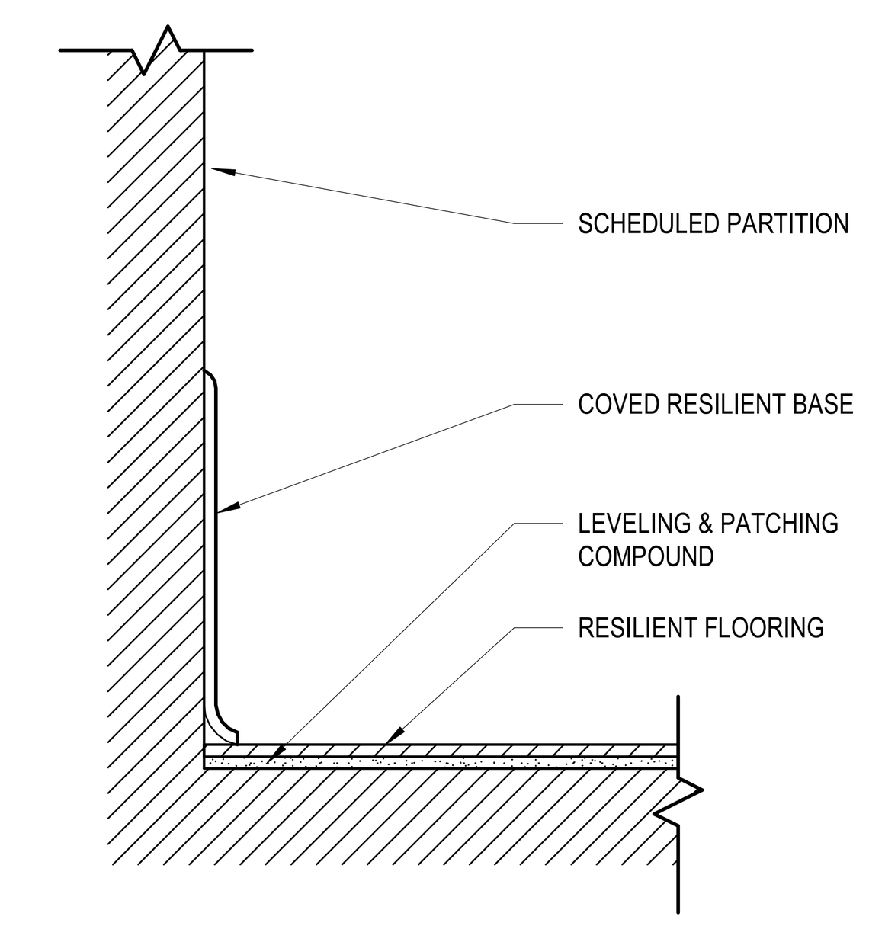
05 CARPET TO CONCRETE
SCALE: 6" = 1'-0"



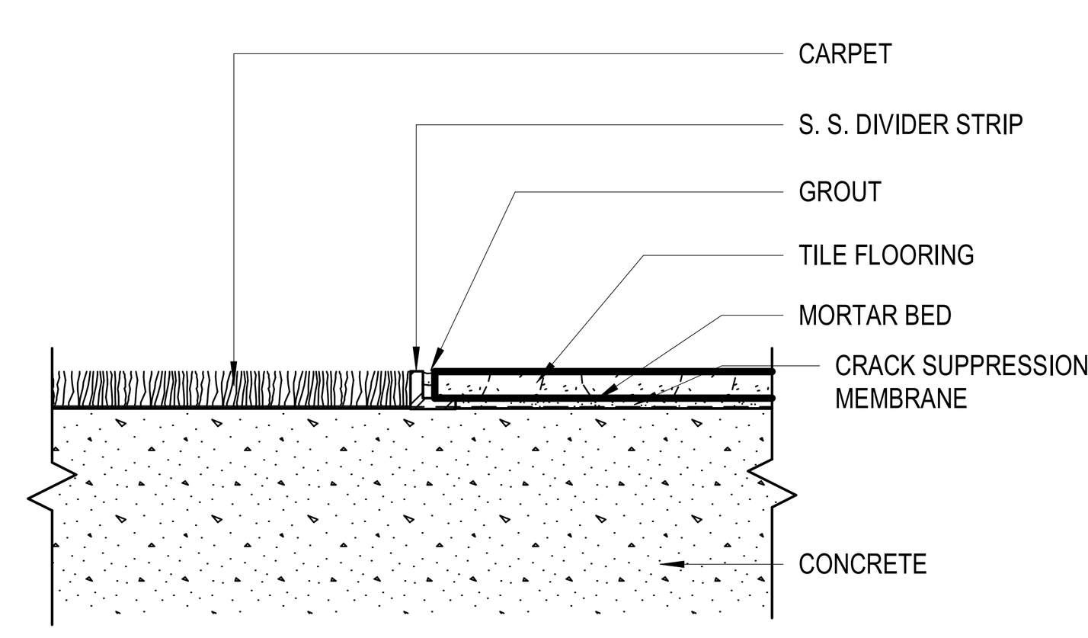
01 MILLWORK BASE TO TILE
SCALE: 6" = 1'-0"



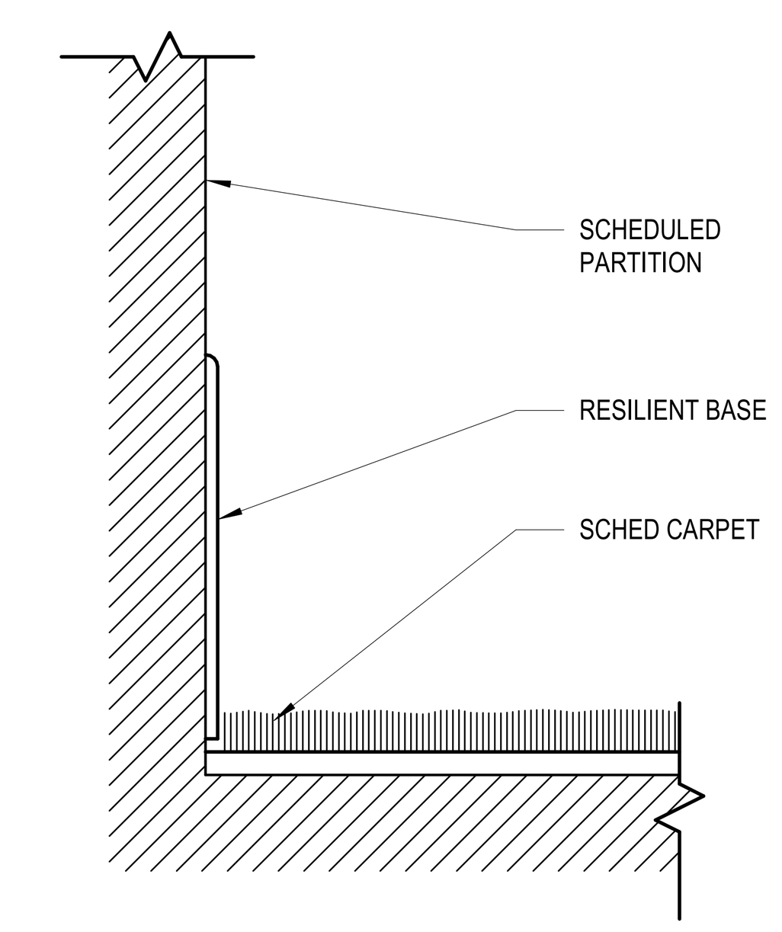
06 PORCELAIN TO RESILIENT TRANSITION
SCALE: 6" = 1'-0"



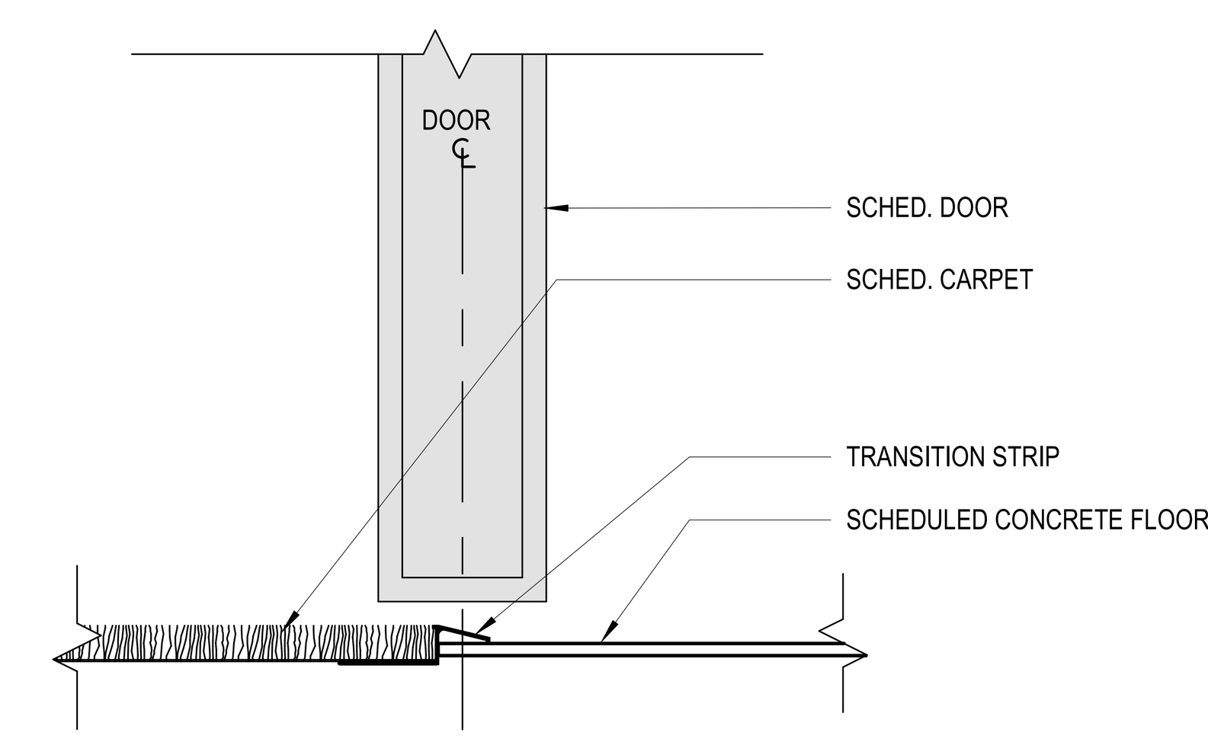
02 RESILIENT BASE TO RESILIENT FLOORING
SCALE: 6" = 1'-0"



07 CARPET TO TILE
SCALE: 6" = 1'-0"



03 RESILIENT BASE TO CARPET
SCALE: 6" = 1'-0"



04 CARPET TO RESILIENT FLOORING
SCALE: 6" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
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MARTIN/MARTIN
12499 West Colfax Ave.
Lakewood, CO 80215
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05.21.2021

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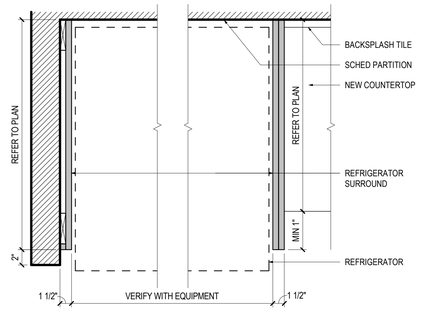
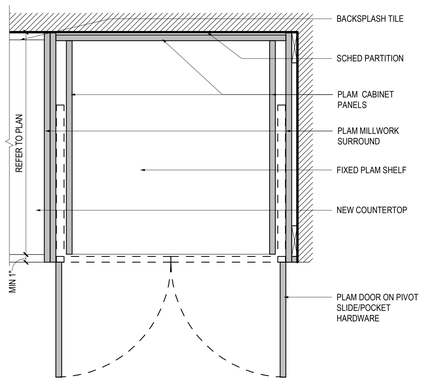
FLOOR, BASE & TRANSITION DETAILS

Scale
6" = 1'-0"

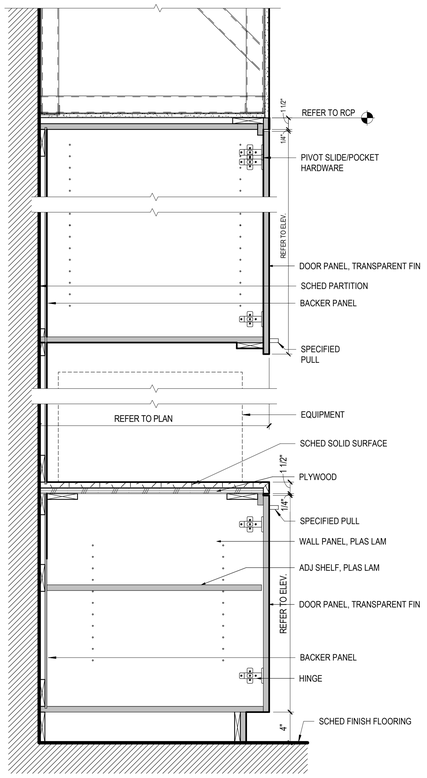
1B-I5.300



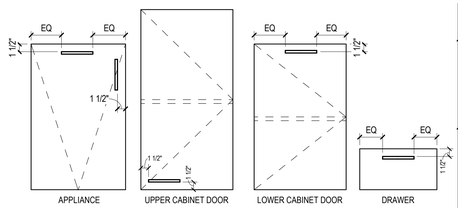
17 REFRIGERATOR SURROUND - PLAN
SCALE: 1 1/2" = 1'-0"



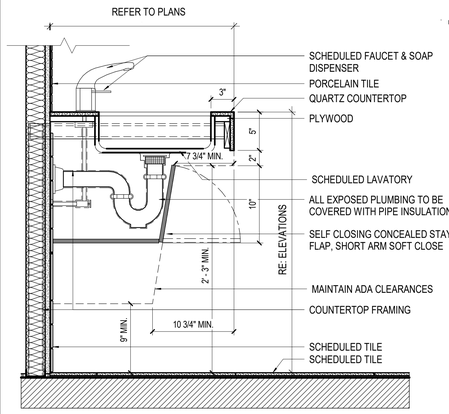
18 POCKET/PIVOT MILLWORK DOORS
SCALE: 1 1/2" = 1'-0"



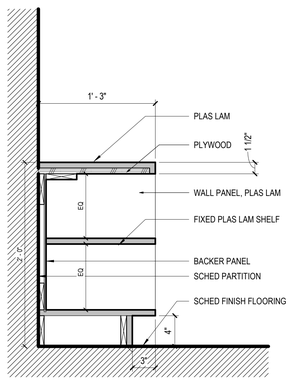
14 CABINET W/ WATER/ICE MACHINE @ PANTRY
SCALE: 1 1/2" = 1'-0"



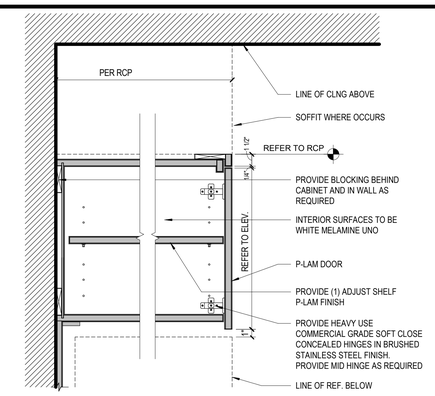
15 TYPICAL CABINET PULLS
SCALE: 1" = 1'-0"



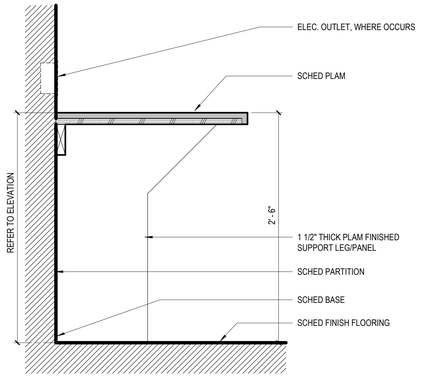
19 BASE CABINET WITH SINK
SCALE: 1 1/2" = 1'-0"



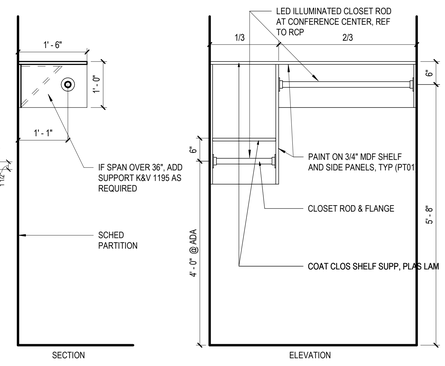
16 OPEN BOOT CUBBY
SCALE: 1 1/2" = 1'-0"



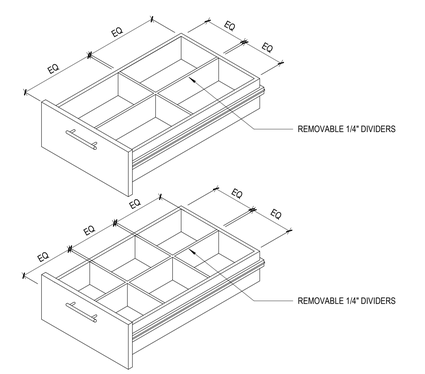
09 UPPER CABINET AT REF.
SCALE: 1 1/2" = 1'-0"



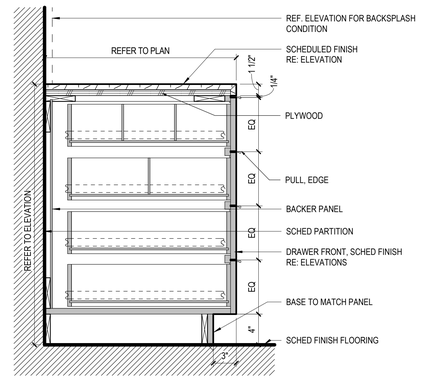
10 WORKSURFACE
SCALE: 1 1/2" = 1'-0"



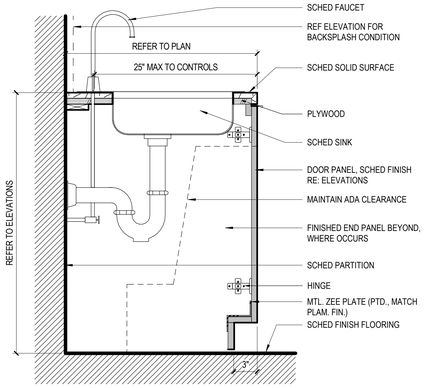
11 COAT ROD
SCALE: 3/4" = 1'-0"



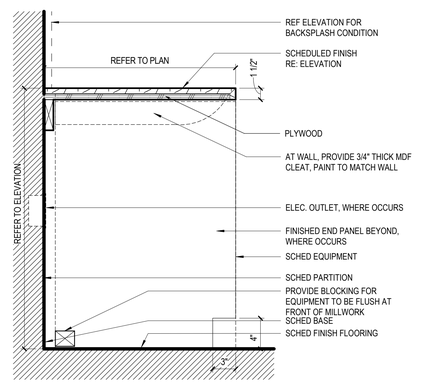
12 CONDIMENT DRAWERS
SCALE: 1 1/2" = 1'-0"



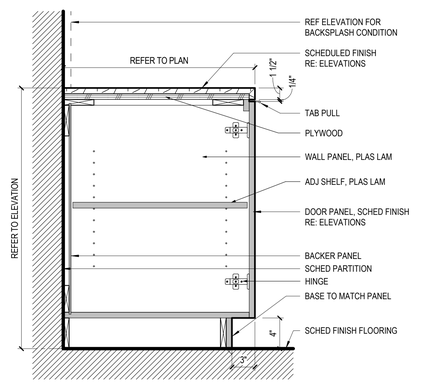
05 BASE CABINET WITH DRAWERS
SCALE: 1 1/2" = 1'-0"



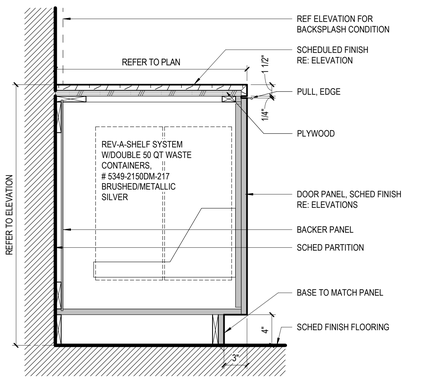
01 BASE CABINET WITH SINK
SCALE: 1 1/2" = 1'-0"



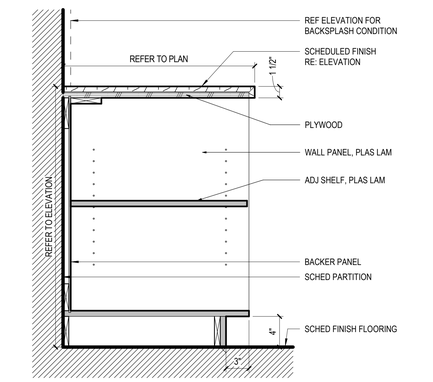
06 BASE CABINET WITH EQUIPMENT
SCALE: 1 1/2" = 1'-0"



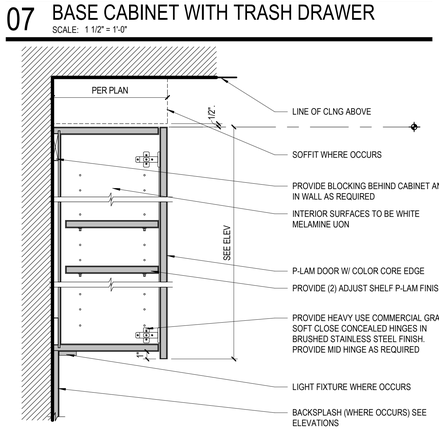
02 BASE CABINET WITH SHELVING
SCALE: 1 1/2" = 1'-0"



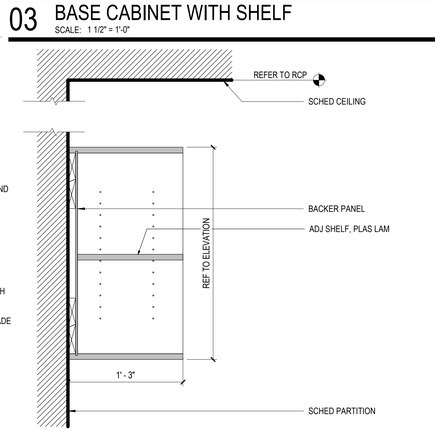
07 BASE CABINET WITH TRASH DRAWER
SCALE: 1 1/2" = 1'-0"



03 BASE CABINET WITH SHELF
SCALE: 1 1/2" = 1'-0"



08 UPPER CABINET WITH SHELVING
SCALE: 1 1/2" = 1'-0"



04 UPPER CABINET WITH SHELVING
SCALE: 1 1/2" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mt. Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
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JOY CHARLES TURNBULL
203617
LICENSED ARCHITECT
05.21.2021

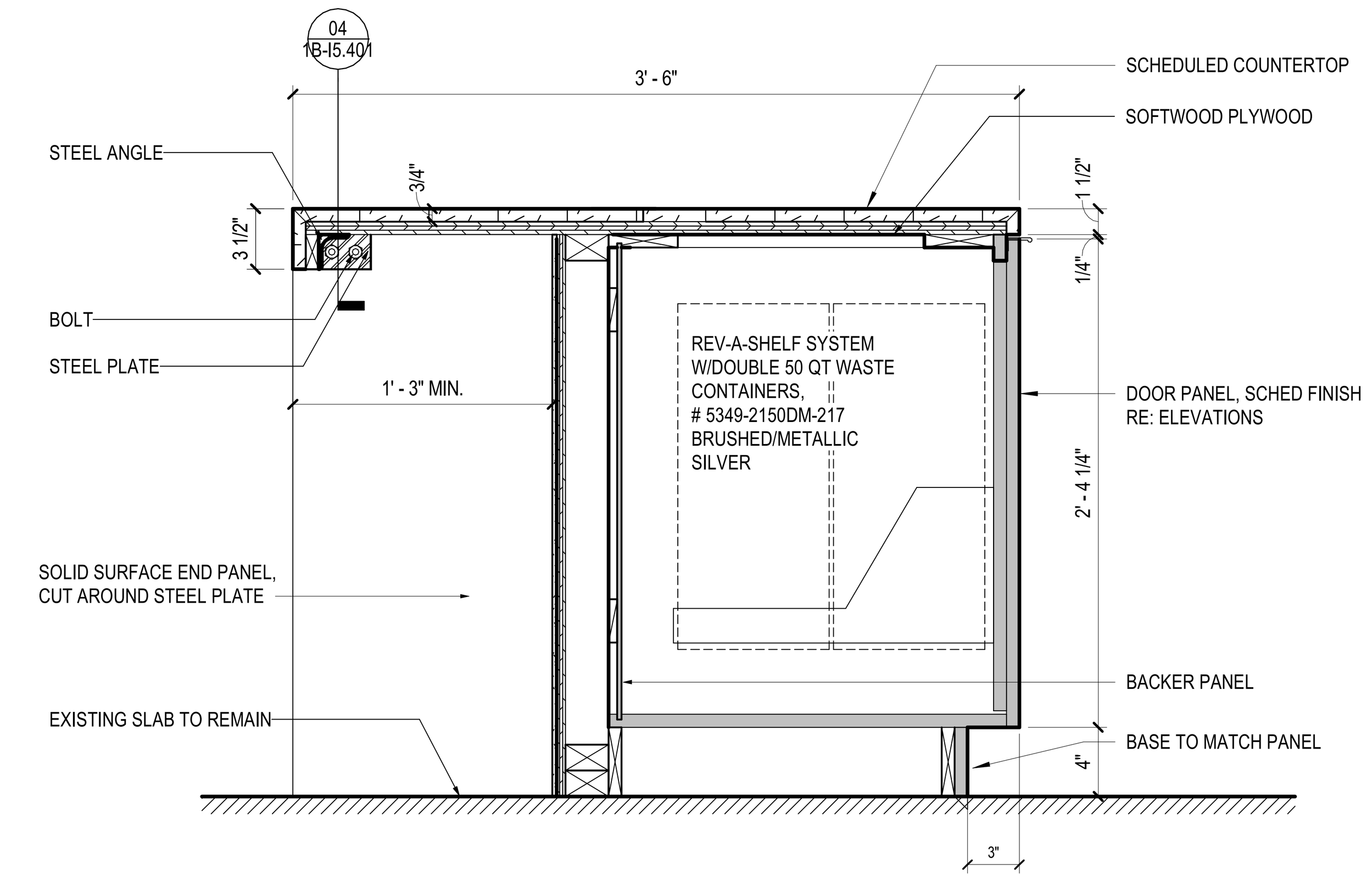
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MILLWORK DETAILS

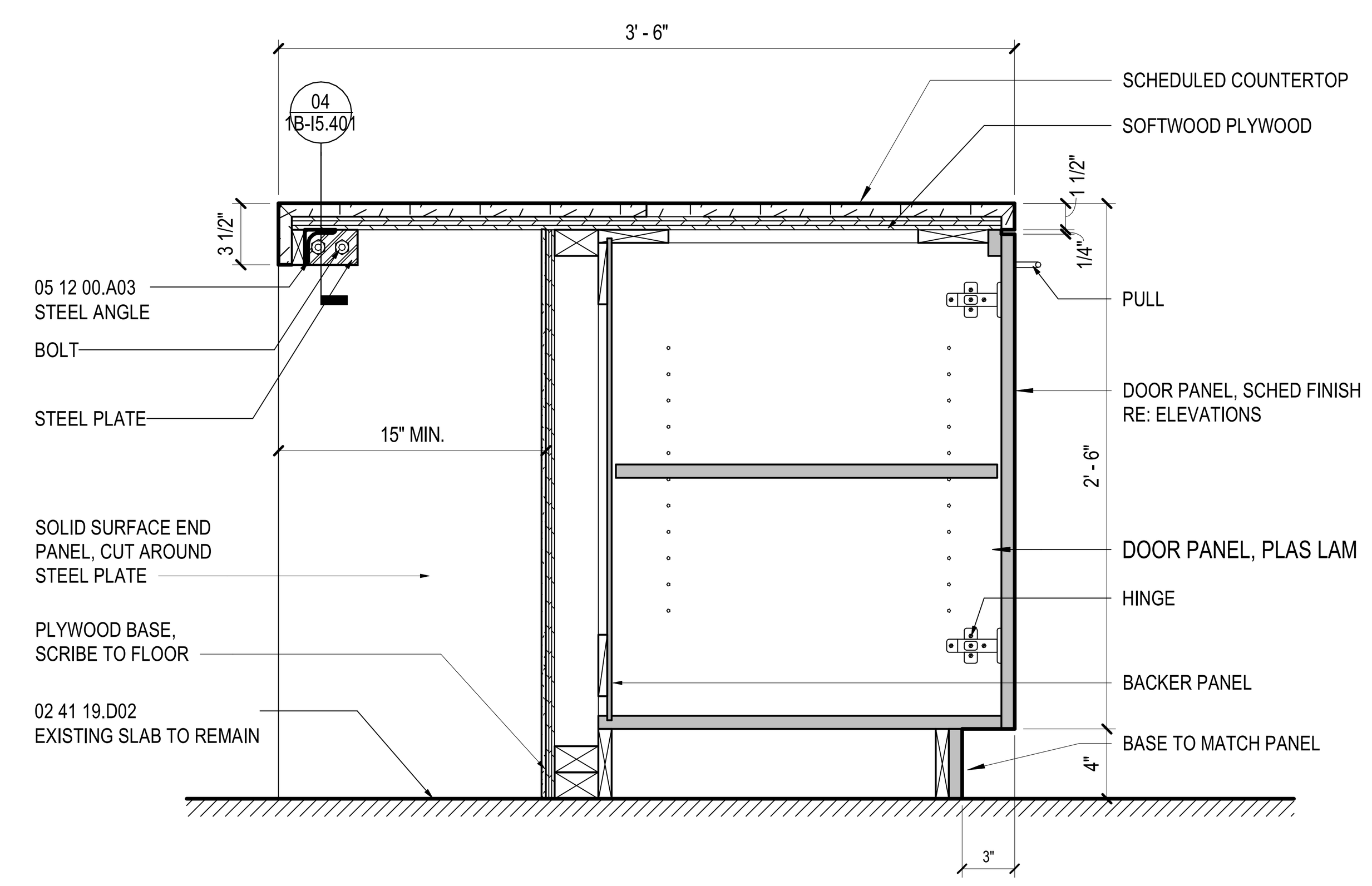
Scale
As indicated

1B-I5.400



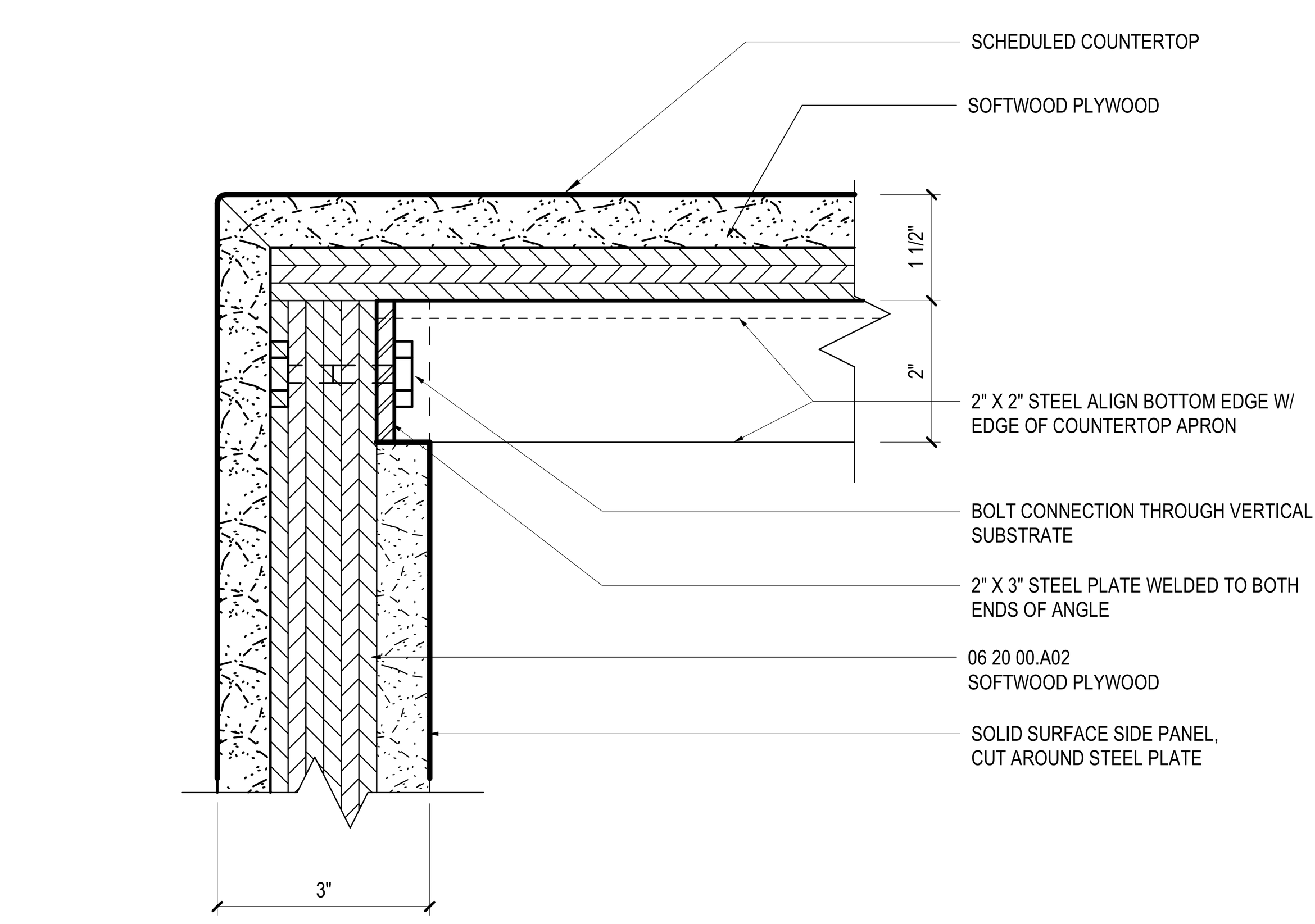
01 MW_ISLAND_TRASH DRAWER

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



02 MW_ISLAND_ADJ SHELF

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



04 MW_ISLAND CORNER

SCALE: 6" = 1'-0"

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203617
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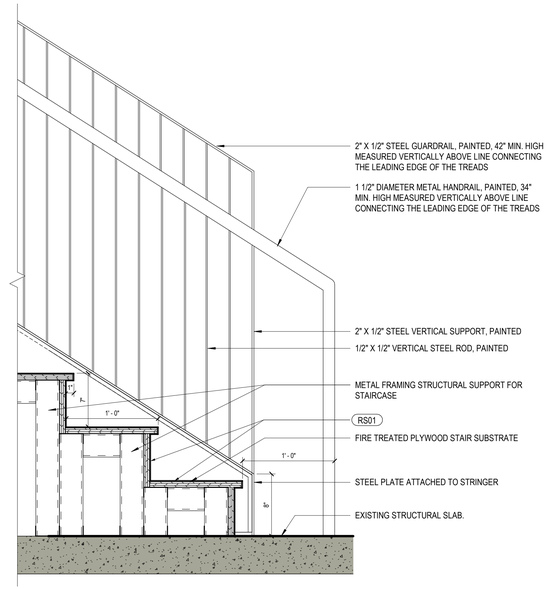
Description
MILLWORK DETAILS

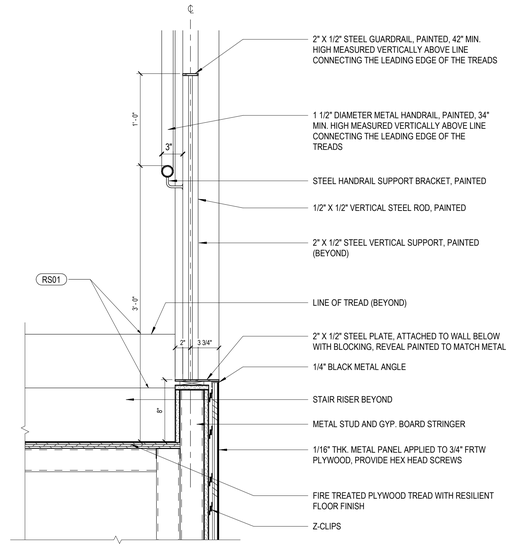
Scale
As indicated

1B-I5.401



01 DT_BOTTOM OF STAIRS

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



02 DT_STAIRS CROSS SECTION

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

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2305 Mt. Werner Circle
Steamboat Springs, CO 80487

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05.21.2021

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Description

DETAILS - STAIRS

Scale

1 1/2" = 1'-0"

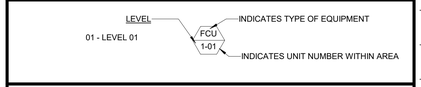
1B-I6.100

MISCELLANEOUS

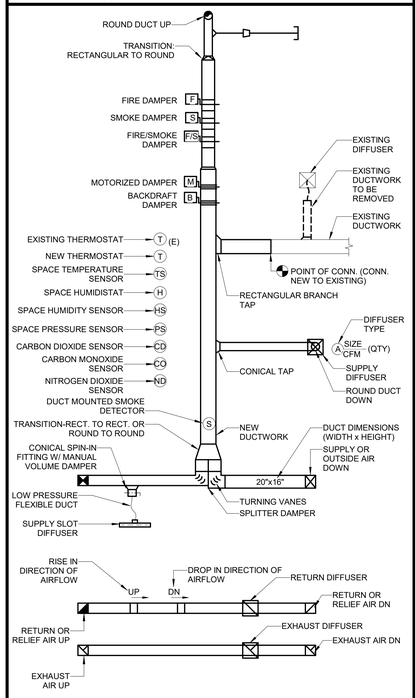
SYMBOL	DESCRIPTION
1 / A101 SIM	SECTION NO. / SECTION VIEW SHEET NO.
A / M1-01	DETAIL DESIGNATION
AHU 1.01	POWERED EQUIPMENT DESIGNATION
VAV 1.01	NON POWERED EQUIPMENT DESIGNATION
TYPE LENGTH	BASEBOARD EQUIPMENT DESIGNATION
2" 1	SHEET KEY NOTES
	POINT OF DISCONNECTION
	ARROW INDICATES DIRECTION OF FLOW
	EXTERIOR WALL LOUVER (UNDER ARCH. SECTION)
UC	UNDERCUT DOOR (UNDER ARCH. SECTION)
D/L	DOOR LOUVER (UNDER ARCH. SECTION)
L/D	LOUVER DOOR FULL HEIGHT. (UNDER ARCH. SECTION)

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER-4-WAY THROW
	SUPPLY DIFFUSER-3-WAY THROW
	SUPPLY DIFFUSER-2-WAY THROW
	SUPPLY DIFFUSER-1-WAY THROW
	CEILING ACCESS PANEL
	RETURN DIFFUSER
	EXHAUST DIFFUSER
H	HUMIDIFIER
	FLEXIBLE DUCT CONNECTION
	SUPPLY AIR FLOW SYMBOL
	RETURN/EXHAUST AIR FLOW SYMBOL
	HEAT TRACE

EQUIPMENT DESIGNATION



DUCTWORK



PIPING TYPES

DOUBLE LINE PIPING (2" AND ABOVE)	SINGLE LINE PIPING (UP TO 2")	PIPE TYPE
CHS	CHS	CHILLED WATER SUPPLY
CHR	CHR	CHILLED WATER RETURN
HWS	HWS	HEATING WATER SUPPLY
HWR	HWR	HEATING WATER RETURN
CWS	CWS	CONDENSER WATER SUPPLY
CWR	CWR	CONDENSER WATER RETURN
D	D	CONDENSATE DRAIN
HPS	HPS	HIGH PRESSURE STEAM SUPPLY
MPS	MPS	MEDIUM PRESSURE STEAM SUPPLY
LPS	LPS	LOW PRESSURE STEAM SUPPLY
HPR	HPR	HIGH PRESSURE CONDENSATE RETURN
MPR	MPR	MEDIUM PRESSURE CONDENSATE RETURN
LPR	LPR	LOW PRESSURE CONDENSATE RETURN
RS	RS	REFRIGERANT SUCTION
RL	RL	REFRIGERANT LIQUID
RHG	RHG	REFRIGERANT HOT GAS
A	A	CONTROL AIR (PNEUMATIC)
BD	BD	BOILER BLOW DOWN
BF	BF	BOILER FEED
BO	BO	BLOW OFF
CF	CF	CHEMICAL FEEDER
PCS/R	PCS/R	PROCESS COOLING WATER SUPPLY/RETURN
HTWS/R	HTWS/R	HIGH TEMP. HOT WATER SUPPLY/RETURN
PHWS/R	PHWS/R	PRIMARY OR DISTRICT HEATING WATER SUPPLY/RETURN
PCHS/R	PCHS/R	PRIMARY OR DISTRICT CHILLED WATER SUPPLY/RETURN
PR	PR	PUMPED CONDENSATE RETURN
(E)	(E)	EXISTING PIPING
(E)	(E)	EXISTING PIPING TO BE REMOVED

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
FITTINGS:		
	P&T	PRESSURE/TEMPERATUR E PORT TAPS
	CR	CONCENTRIC REDUCER
	ER	ECCENTRIC REDUCER
EJ	EJ	EXPANSION JOINT
	U	UNION
	T	THERMOMETER W/ THERMOWELL
	AV	AIR VENT
	FC	FLEXIBLE PIPE CONNECTOR
FS	FS	FLOW SWITCH
PS	PS	PRESSURE SWITCH
	PG	PRESSURE GAUGE W/ GAUGE COCK
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		PIPE CAP OR PLUG
	IV	ISOLATION VALVE, RE: SPECS
	OS&Y	OUTSIDE STEM AND YOKE
	DV	DRAIN VALVE W/ HOSE END CONNECTION
		BALL VALVE W/ HOSE CONNECTION
	CV	CHECK VALVE WITH INDICATION OF FLOW DIRECTION
	PRV	PRESSURE REDUCING VALVE
S	SV	SOLENOID VALVE
F C	FCV	AUTO FLOW CONTROL VALVE W/ TEST PORTS
	CS,BV	CIRCUIT SETTER OR BALANCING VALVE
	GLV	GLOBE VALVE (STRAIGHT PATTERN)
	GLV	GLOBE VALVE (ANGLE PATTERN)
	BFV	BUTTERFLY VALVE
	BV	BALL VALVE
	TCV	AUTOMATIC TEMPERATURE CONTROL VALVE, 2-WAY
	TCV	AUTOMATIC TEMPERATURE CONTROL VALVE, 3-WAY
	BV	BALANCING VALVE
	TMP	TEMPERATURE/PRESSURE RELIEF VALVE
		VALVE IN RISER
	STR	STRAINER W/ BLOW-OFF & CAPPED HOSE END CONNECTION
	ST	STEAM TRAP

ABBREVIATIONS:

A

ABBREVIATION	DESCRIPTION
A	AIR (COMPRESSED)
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
	AIR COMPRESSOR
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
	AREA DRAIN
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AMERICAN REFRIGERANT INSTITUTE
ARCH	ARCHITECT
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT
	AIR VENT
AVG	AVERAGE
AW	ACID WASTE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

B

ABBREVIATION	DESCRIPTION
B	BOILER
BC	BELOW COUNTER
B/C	BACK OF CURB
BFV	BUTTERFLY VALVE
BH	BOX HYDRANT
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BM	BENCHMARK
BOD	BOTTOM OF DUCT (AFF)
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BT	BATH TUB
	BREAK TANK
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

ABBREVIATION	DESCRIPTION
C	CELSIUS
CAB	CABINET
CAV	CONSTANT AIR VOLUME
CB	CATCH BASIN
CC	COOLING COIL
CD	CONDENSATE DRAIN LINE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMP	CORRIGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CPI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CO	CLEANOUT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CON	CONVERTER
CONC	CONCRETE
	CONCENTRIC
COND	CONDENSER
	CONDENSATE
CONN	CONNECTION
CONT	CONTINUOUS
	CONTINUATION
CONTR	CONTROLLER
	CONTRACTOR
COP	COEFFICIENT OF PERFORMANCE
CRAC	COMPUTER ROOM A/C UNIT
CRT	CATHODE RAY TUBE
CRU	CONDENSATE RETURN UNIT
CT	COOLING TOWER
CTR	CENTER
CU	COPPER
CW	COLD WATER
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CV	CONSTANT VOLUME

D

ABBREVIATION	DESCRIPTION
dB	DECIBEL
DB	DRY-BULB
DC	DOUBLE DUCT CONSTANT VOLUME
	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DESIG	DESIGNATION
DEFL	DEFLECTION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DP	DISCHARGE PLENUM
DPR	DAMPER
DS	DOUNSPOUT
	DOUBLE SUCTION
DV	DOUBLE DUCT VAV
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION

E

ABBREVIATION	DESCRIPTION
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EDF	ELECTRIC DRINKING FOUNTAIN
EDH	ELECTRIC DUCT HEATER
EDR	EFFECTIVE DIRECT RADIATION
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
EMRG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
ENT	ENTERING
ES	END SUCTION
	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAP	EVAPORATOR
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EX	EXPLOSION PROOF
EXT	EXTERNAL
EXTG	EXISTING

F

ABBREVIATION	DESCRIPTION
F	DEGREE FAHRENHEIT
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL SWITCH
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
	FIRE DAMPER
FDS	FIRE DEPARTMENT SIAMESE
FDV	FIRE DEPARTMENT VALVE
FG	FIBERGLASS
FF	FINAL FILTER
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FL	FLOW LINES
FLR	FLOOR
FP	FAN POWERED MIXING BOX
	FIRE PUMP
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FRIC	FRICTION
FRZR	FREEZER
FS	FLOW SWITCH
	FIRE SPRINKLER
FSK	FLOOR SINK
FT	FOOT
	FEET
FT WC	FEET, WATER COLUMN
FUT	FUTURE

G

ABBREVIATION	DESCRIPTION
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GND	GROUND
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GSH	GRAND SENSIBLE HEAT
GV	GATE VALVE

H

ABBREVIATION	DESCRIPTION
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD
	HUB DRAIN
HF	HUMIDIFIER
HORIZ	HORIZONTAL
HP	HORSEPOWER
	HALON PANEL
HPU	HEAT PUMP UNIT
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPLIT CASE
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HU	HUMIDIFIER SECTION
HW	HOT WATER
HWC	HOT WATER CIRCULATOR
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ

I

ABBREVIATION	DESCRIPTION
ID	INSIDE DIAMTER
IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
IN WC	INCH, WATER COLUMN
INSUL	INSULATION
INT	INTERNAL
	INTERIOR
IW	INDIRECT WASTE

J

ABBREVIATION	DESCRIPTION
JB	JUNCTION BOX
JP	JOCKEY PUMP

K

ABBREVIATION	DESCRIPTION
KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT AMPS
KW	KILOWATT

L

ABBREVIATION	DESCRIPTION
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LVL	LEVEL
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE

M

ABBREVIATION	DESCRIPTION
MA	MAKE-UP AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTUH
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED
MTL	METAL
MU	MAKE-UP
MUA	MAKE-UP AIR UNIT
MVD	MANUAL VOLUME DAMPER

N

ABBREVIATION	DESCRIPTION
(N)	NEW
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO	NUMBER
NTS	NOT TO SCALE

O

ABBREVIATION	DESCRIPTION
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
	OVERFLOW DRAIN
OFCU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OPEN STEM AND YOLK

P

ABBREVIATION	DESCRIPTION
P	PUMP
	PLUMBING EQUIPMENT
PC	PLUMBING CONTRACTOR
PCR	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP
	PLANTER DRAIN
PF	PRE-FILTER
PH	PHASE
	POST HYDRANT
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
PNTH	PENTHOUSE
PP	POLYPROPYLENE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PRI	PRIMARY
PRS	PRIMARY REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PWL	SOUND POWER LEVEL

Q

ABBREVIATION	DESCRIPTION
QTY	QUANTITY

R

ABBREVIATION	DESCRIPTION
(R)	REMOVE
	RELOCATE
RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILLE
RAT	RETURN AIR TEMPERATURE
RCP	REFLECTED CEILING PLAN
	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE
	REFER
RECIRC	RECIRCULATE
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION
	REVISE
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RKVA	RUNNING KILOVOLT AMPS
RKW	RUNNING KILOWATTS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM
	REFRIGERANT MACHINE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

ABBREVIATION	DESCRIPTION
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SAG	SUPPLY AIR GRILLE
SAN	SANITARY SEWER
SAR	SUPPLY AIR REGISTER
SCHED	SCHEDULE
SCFM	STANDARD AIR CUBIC FEET PER MINUTE
SCR	SILICON CONTROLLED RECTIFIER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SK	SINK
SKVA	STARTING KILOVOLT AMPS
SKW	STARTING KILOWATTS
SM	SHEET METAL
SP	STATIC PRESSURE
	SUMP PUMP
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
	SERVICE SINK
SSD	SUBSURFACE DRAIN
SSFU	SANITARY SEWER FIXTURE UNITS
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT
ST	SOUND TRAP

T

ABBREVIATION	DESCRIPTION
TC	TEMPERATURE CONTROL
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TF	TRANSFER FAN
TG	TRANSFER GRILLE
TH BLK	THRUST BLOCK
TOD	TOP OF DUCT (AFF)
TOP	TOP OF PIPE (AFF)
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL

U

ABBREVIATION	DESCRIPTION
U	URINAL
U/F	UNDERFLOOR
U/S	UNDERSLAB
UCD	UNDERCUT DOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UTR	UP THROUGH ROOF

V

ABBREVIATION	DESCRIPTION
V	VOLT, VENT
VA	VOLT-AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX
	VACUUM BREAKER
VCP	VITRIFIED CLAY PIPE
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREUENCY DRIVE
VIB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VR	VARIABLE AIR VOLUME REHEAT
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF

W

ABBREVIATION	DESCRIPTION
W	WATT, WASTE, WIDTH
W/	WITH
W/O	WITHOUT
WB	WETBULB
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WATER FILTER
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATER TIGHT
	WEIGHT

Y

ABBREVIATION	DESCRIPTION
Y	YARD HYDRANT

Z

ABBREVIATION	DESCRIPTION
Z	ZONE

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER

05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL LEGEND

Scale
1/8" = 1'-0"

M0.000

GENERAL MECHANICAL CONTRACT REQUIREMENTS:

GENERAL:

1. UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC, FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.

2. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF THE JOB.

3. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE DIVISION 21,22 AND 23 WORK AND ITS INTERFACE WITH OTHER WORK. ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT.

   A. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

   B. CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE CONTRACT DOCUMENTS, SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.

   C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS, "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT. SUCH DRAWINGS MAY BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR RECORD AND COMMENT. ANY WORK INSTALLED WITHOUT APPROVED COORDINATION DRAWINGS IS DONE AT THE CONTRACTOR'S RISK.

4. THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS.

5. DEFINITIONS AND TERMINOLOGY

   A. THE DEFINITIONS OF DIVISION 1 AND THE GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO THE DIVISION 21,22 AND 23 CONTRACT DOCUMENTS.

   B. "CONTRACT DOCUMENTS" CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THE DIVISION 21,22 AND 23 DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE NOT CONSTRUCTION DOCUMENTS.

   C. "CONSTRUCTION DOCUMENTS", "CONSTRUCTION DRAWINGS", AND SIMILAR TERMS FOR DIVISION 21,22 AND 23 WORK REFER TO INSTALLATION DIAGRAMS, SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS.

   D. "(N)" INDICATES "NEW" EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT.

   E. "(E)" INDICATES "EXISTING" EQUIPMENT ON SITE WHICH MAY OR MAY NOT NEED TO BE RELOCATED AS A PART OF THIS WORK.

   F. "(R)" INDICATES EXISTING EQUIPMENT TO BE RELOCATED AS PART OF THIS WORK.

   G. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.

   H. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".

   I. "PROVIDE" MEANS TO "FURNISH AND INSTALL".

   J. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS." SIGNIFICANT ASPECTS SHALL BE AS DETERMINED BY THE ARCHITECT/ENGINEER.

   K. "WORK BY OTHER(S) DIVISIONS"; "RE: XX DIVISION", AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT/ENGINEER BEFORE SUBMITTING BID.

   L. BY INFERENCE, ANY REFERENCE TO A "CONTRACTOR" OR "SUB-CONTRACTOR" MEANS THE ENTITY WHICH HAS CONTRACTED WITH THE OWNER FOR THE WORK OF THE CONTRACT DOCUMENTS.

   M. "ENGINEER" MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS, SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE ENGINEER (THROUGH PROPER CONTRACTUAL CHANNELS).

EXISTING BUILDING:

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE EXISTING BUILDING WILL BE OCCUPIED BY THE OWNER DURING CONSTRUCTION. CONTINUED OPERATION OF THE FACILITY SHALL NOT BE HINDERED BY THIS WORK. THE CONTRACTOR SHALL ACCOUNT FOR ALL ADDITIONAL COSTS WHICH MAY BE INCURRED BY HIM DUE TO THE DIFFICULTY OF WORKING OVER AND AROUND EMPLOYEES, DESKS, EQUIPMENT, ETC.; AND DUE TO THE HOURS OF THE DAY IN WHICH AN AREA MAY BE AVAILABLE WHEN SUBMITTING HIS BID.

2. MAINTAIN A MARK-UP SET OF DRAWINGS WHICH INDICATE VARIATIONS IN THE ACTUAL INSTALLATION FROM THE ORIGINAL DESIGN. SURRENDER DRAWINGS TO OWNER UPON COMPLETION.

3. ALL CAPACITIES ARE SCHEDULED AT JOBSITE ALTITUDE OF 6700 FT. ABOVE SEA LEVEL.

4. COORDINATE ALL PENETRATIONS OF THE FLOOR SLAB AND CONCRETE WALL PRIOR TO COMMENCING WORK UTILIZE X-RAY AND VISUAL INVESTIGATION OF EXISTING CONDITIONS AS REQUIRED PRIOR TO DRILLING OR CUTTING. COORDINATE ALL NEW PENETRATIONS WITH OTHER DIVISIONS OF THE WORK. ALL CONTRACTORS ARE INDIVIDUALLY RESPONSIBLE FOR ALL PENETRATIONS REQUIRED BY THEIR DIVISIONS.

ELECTRICAL COORDINATION:

1. VERIFY THE ELECTRICAL SERVICE PROVIDED BY THE ELECTRICAL CONTRACTOR BEFORE ORDERING ANY MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.

2. PROVIDE PREMIUM EFFICIENCY MOTORS WITH 1.15 SERVICE FACTOR ON ALL EQUIPMENT. MOTORS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT 105°F UNDER JOBSITE CONDITIONS AND ALTITUDE.

3. THE ELECTRICAL POWER FOR CERTAIN EQUIPMENT PROVIDED UNDER DIVISION 21,22 AND 23 HAS NOT BEEN SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS AND MUST BE PROVIDED BY AND FIELD COORDINATED BY THE DIVISION 21,22 AND 23 TRADE REQUIRING SUCH POWER.

   SUFFICIENT POWER FOR THIS PURPOSE SHALL BE FURNISHED AS "SPARE", DEDICATED CIRCUIT CAPACITY IN DIVISION 26'S PANELBOARDS. ALL WIRING, CONDUIT AND ELECTRICAL DEVICES DOWNSTREAM OF THE PANELBOARDS IS THE RESPONSIBILITY OF THE DIVISION 21,22 AND 23 TRADE REQUIRING THE POWER UNLESS OTHERWISE SHOWN ON THE ELECTRICAL DRAWINGS.

   SUCH EQUIPMENT IS HEREBY DEFINED AS:

   A. ELECTRICAL HEAT TRACE. REQUIRED HEAT TRACE LOCATIONS, CAPACITIES AND SPECIFICATION ARE SHOWN OR INDICATED ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

   B. FIRE PROTECTION AIR COMPRESSORS, DRY-PIPE CONTROL PANELS AND VALVES. REQUIRED CONNECTIONS ARE INCLUDED IN THE DIVISION 21 WORK, AND WILL BE SHOWN BY THAT CONTRACTOR'S ENGINEERED SYSTEM DESIGN DRAWINGS.

      (1) PRE-ACTION SYSTEM INITIATION SIGNALS (SUCH AS SMOKE DETECTORS, OR GENERAL ALARM CONDITIONS IN A PRE-ACTION ZONE) SHALL BE PROVIDED UNDER DIVISION 28 FIRE-ALARM WORK.

      (2) DIVISION 21 SHALL PROVIDE PRE-ACTION CONTROL PANEL AND INTERCONNECTION BETWEEN NEAREST SUITABLE FIRE ALARM PANEL AND LOCATION OF PRE-ACTION VALVE(S).

      (3) DIVISION 28 SHALL PROVIDE INTERCONNECTION BETWEEN FIRE COMMAND CENTER ALARM PANEL (PROVIDED UNDER DIVISION 28) AND REMOTE COMMUNICATION FIRE ALARM PANEL (PROVIDED UNDER DIVISION 28).

   C. TEMPERATURE CONTROL PANELS, CONTROL AIR COMPRESSORS AND LINE VOLTAGE POWER FOR 24V CONTROL TRANSFORMERS. REQUIRED CONNECTION ARE INCLUDED IN DIVISION 230900 AND WILL BE SHOWN BY THAT CONTRACTOR'S CONTROL SUBMITTAL DRAWINGS.

   D. IT IS NOT PERMISSIBLE TO UTILIZE "SPARE" POWER FROM ADJACENT POWER CIRCUITS TO SERVE ANY OF THE ABOVE LOADS. ALL POWER MUST COME FROM DEDICATED CIRCUITS.

5. SMOKE DETECTORS:

   FOR AIR HANDLING UNITS AND AIR SYSTEMS WITH A CAPACITY EXCEEDING 2000 CFM, PROVIDE UL LISTED SMOKE DETECTORS IN RETURN AIR SYSTEMS IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE AND ELSEWHERE AS SHOWN ON THE DRAWINGS.

   SMOKE DETECTORS WILL BE FURNISHED AND SET IN PLACE UNDER THIS DIVISION. DETECTORS WILL BE WIRED UNDER DIVISION 28. SMOKE DETECTORS MUST BE OF THE SAME MANUFACTURER, AND COMPATIBLE WITH THE FIRE FLARM SYSTEM PROVIDED UNDER DIVISION 28 (IF APPLICABLE).

   CONNECT RELAY(S) TO FAN CONTROL CIRCUIT TO STOP FAN WHEN SMOKE IS DETECTED.

INSTALLATION:

1. SUSPEND EACH TRADE'S WORK SEPARATELY FROM THE STRUCTURE. DUCTWORK SHALL BE HELD TIGHT TO STRUCTURE EXCEPT WHERE OTHERWISE SHOWN.

2. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

3. PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE AROUND ALL EQUIPMENT REQUIRING SAME.

4. PROVIDE FOR SAFE CONDUCT OF THE WORK, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS AND PROTECTION OF PROPERTY WHICH IS TO REMAIN UNDISTURBED.

5. PROVIDE ACCESS DOORS FOR ALL EQUIPMENT, VALVES, CLEANOUTS, ACTUATORS AND CONTROLS WHICH REQUIRE ACCESS FOR ADJUSTMENT OR SERVICING AND WHICH ARE LOCATED IN OTHERWISE INACCESSIBLE LOCATIONS.

   A. FOR EQUIPMENT LOCATED IN "ACCESSIBLE LOCATIONS" SUCH AS LAY-IN CEILINGS: LOCATE EQUIPMENT TO PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REMOVING ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS SUCH AS THE CEILING SUPPORT SYSTEM, ELECTRICAL FIXTURES, ETC. "NORMAL MAINTENANCE" INCLUDES, BUT IS NOT LIMITED TO:FILTER CHANGING; GREASING OF BEARINGS; USING P/T PORTS FOR PRESSURE OR TEMPERATURE MEASUREMENTS; SERVICING CONTROL VALVES AND SERVICING CONTROL PANELS.

6. ISOLATE ALL PRESSURIZED PIPE (WATER, ETC.) AT EACH RISER, BRANCH, PIECE OF EQUIPMENT, AND AREA SERVED.

7. PROVIDE TRAP GUARDS OR PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS SHOWN ON DRAWINGS. PRIMERS MAY BE CONNECTED TO FLUSH FIXTURES OR BE STAND ALONE. SEE SPECIFICATIONS.

8. NO DOMESTIC WATER, CHILLED WATER, OR HEATING WATER LINES SHALL BE LOCATED EXPOSED IN FINISHED SPACES OR BELOW THE BUILDING SLAB UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

9. NO GAS LINES SHALL BE LOCATED BELOW BUILDING SLAB.

10. ALL CURBS, ROOF JACKS, ROOF THIMBLES, SANITARY VENTS, ROOF DRAINS, ETC. SHALL BE COMPATIBLE WITH ROOFING SYSTEM TO BE PROVIDED. REFERENCE ARCHITECTURAL DIVISION FOR REQUIRED FLASHING DETAILS.

11. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONCRETE EQUIPMENT PAD DIMENSIONS, BASED ON THE FINAL EQUIPMENT SELECTION, TO THE STRUCTURAL AND GENERAL CONTRACTOR FOR INCLUSION IN THOSE CONTRACTOR'S WORK AS DESCRIBED BY THE GENERAL CONTRACTOR.

DUCTWORK INSTALLATION:

1. SEAL ALL SEAMS (LONGITUDINAL AND TRANSVERSE) AIR TIGHT WITH SEALANT PER SPECIFICATIONS.

2. DUCT DIMENSIONS ARE INSIDE CLEAR.

3. DIFFUSER NECK SIZE IS SAME AS FLEXIBLE DUCT SIZE.

4. UNLESS OTHERWISE NOTED, ALL CHANGES IN DIRECTION SHALL BE MADE WITH RADIUS ELBOWS WITH RADIUS TO CENTERLINE EQUAL TO 1.5 DUCT WIDTH.

5. WHERE REQUIRED FOR SPACE CONSTRAINTS, PROVIDE MITERED ELBOWS WITH TURNING VANES AS FOLLOWS:

   A. FOR DUCT WIDTHS OF 36" OR LESS, PROVIDE MANUFACTURED SINGLE WIDTH TURNING VANES, WITH NO TRAILING EDGES AND SPACING IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS FOR "STANDARD SPACING".

   B. USE DOUBLE THICKNESS (AIRFOIL) BLADES WITHOUT TRAILING EDGES FOR DUCT WIDTHS GREATER THAN 36".

6. ALL FLEXIBLE DUCTS SHALL NOT BE LESS THAN 4', OR MORE THAN 10' IN LENGTH. INSTALL FLEXIBLE DUCTWORK SUCH THAT:

   A. MINIMUM OVERALL LENGTH OF 3D, STRAIGHT INTO NECK OF DIFFUSER.

   B. MAXIMUM OF 135° OF TOTAL TURNING IN ENTIRE LENGTH OF FLEXIBLE DUCT.

   C. MINIMUM TURNING RADIUM OF R = 1.5D.

   D. WHERE:
   * D = FLEXIBLE DUCT DIAMETER
   * R = RADIUS OF TURN AS MEASURED TO CENTERLINE OF DUCT.

7. BRANCH LINES:

   A. MAKE ALL TAPS TO ROUND DUCTWORK WITH CONICAL TEES.

   B. MAKE ALL TAPS TO RECTANGLE DUCTWORK WITH 45° ENTRY OR CONICAL SPIN IN TO ROUND.

   C. INCLUDE DAMPERS AT ALL BRANCH LINES.

8. INCLUDE DAMPERS AT ALL BRANCH LINES, WHERE SHOWN ON THE DRAWINGS, AND WHERE OTHERWISE REQUIRED FOR BALANCING.

PIPE INSTALLATION:

1. ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE TO PREVENT SAGGING, POCKETING, SWAYING OR DISPLACEMENT BY MEANS OF HANGERS AND SUPPORTS. PIPING IS NOT TO BE SUPPORTED BY EQUIPMENT.

2. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS.

3. PROVIDE MANUAL AIR VENTS AND CAPPED HOSE-END DRAINS WITH ISOLATION VALVES AT PIPING HIGH AND LOW POINTS.

4. WELD PIPE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. WELDERS SHALL BE CERTIFIED FOR TYPE OF WORK BEING PERFORMED.

5. FLUSH OUT PIPING AND REMOVE CONTROL DEVICES BEFORE PERFORMING PRESSURE TEST. DO NOT USE PIPING SYSTEM VALVES TO ISOLATE SECTIONS WHERE TEST PRESSURE EXCEEDS VALVE PRESSURE RATING. PRESSURIZE PIPING AT 100 PSIG. IF LEAKAGE IS OBSERVED OR IF TEMPERATURE COMPENSATED PRESSURE DROP EXCEEDS 1% OF TEST PRESSURE, REPAIR LEAKS AND RETEST. DO NOT USE AIR PRESSURE TO TEST PLASTIC PIPE.

6. PROVIDE SUPPORT UNDER ELBOWS ON PUMP SUCTION AND DISCHARGE LINES.

7. ALL STRAINERS SHALL BE FURNISHED WITH A "ROUGHING" SCREEN AND TWO (2) SCREENS FOR NORMAL OPERATION. INSTALL STRAINER WITH ROUGHING SCREEN AND OPERATE SYSTEM FOR 24 HOURS MINIMUM (RUN DOMESTIC WATER SYSTEMS AT MAX FLOW FOR A MINIMUM OF ONE HALF (1/2) HOUR. REMOVE ROUGHING SCREEN AND INSTALL NORMAL SCREEN, AFTER TWO WEEKS OF NORMAL OPERATION INSTALL NEW NORMAL SCREEN.

8. INSTALL ALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHIN THE PIPING SYSTEM. ENSURE ALL REQUIRED PIPE EXPANSION WILL OCCUR IN THE PROPER DIRECTION AND SEGMENT OF PIPE. PROPERLY ANCHOR (RE: SPECIFICATIONS) ALL PIPING REQUIRING EXPANSION/CONTRACTION ISOLATION. COORDINATE PIPE EXPANSION/CONTRACTION TO PREVENT DAMAGE TO ANY AND ALL BUILDING COMPONENTS.

9. PROVIDE ISOLATION VALVES AT EVERY HYDRONIC BRANCH LINE.

CONDENSATE DRAINAGE:

1. PROVIDE CONDENSATE DRAINAGE FOR ALL COOLING COILS AND OVERFLOW PANS.

2. ROUTE CONDENSATE PIPING, FULL SIZE OF DRIP PAN CONNECTION, TO NEAREST CODE APPROVED RECEPTACLE. INSULATE WHERE LOCATED ABOVE FINISHED CEILINGS.

LOUVERS:

1. ALL LOUVERS LOCATED ON EXTERIOR WALLS SHALL BE PROVIDED BY DIVISION 23. REQUIRED LOUVER FREE AREAS ARE INDICATED ON DIVISION 23 DRAWINGS. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO CONFIRM THAT THE REQUIRED FREE AREA HAS BEEN PROVIDED. PRIOR TO CONNECTION TO THAT LOUVER. DIVISION 23 SHALL PROVIDE ALL LOUVER PLENUMS.

CUTTING, PATCHING AND DEMOLITION:

1. KEEP DEMOLITION & CUTTING TO MINIMUM REQUIRED FOR PROPER EXECUTION OF WORK.

2. BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR THE COMPLETION OF THE WORK.

3. NO CUTTING (NOT SHOWN ON THE CONTRACT DOCUMENTS) SHALL BE DONE WITHOUT THE APPROVAL OF THE ARCHITECT AS TO LOCATIONS, METHOD AND EXTENT OF THE CUTTING.

4. REPAIR ALL ACCIDENTAL OR INTENTIONAL DAMAGE TO MATCH EXISTING CONSTRUCTION WITH NO NOTICEABLE DIFFERENCE IN CONTINUITY, APPEARANCE OR FUNCTION.

5. ALL "CAPPED" SANITARY AND VENT LINES SHALL BE RECONNECTED OR RE-ROUTED AS NECESSARY TO PREVENT "DEAD-ENDS" IN THE PIPING. ALL PIPING SHALL DRAIN TO ACTIVE SANITARY WASTE LINES AND ALL BRANCHES WITH TRAPS SHALL BE ADEQUATELY VENTED.

GENERAL PLUMBING CONTRACT REQUIREMENTS:

1. THE GENERAL MECHANICAL REQUIREMENTS PERTAIN TO THE WORK OF THIS DIVISION.

2. PREPARE SHOP DRAWINGS OF ALL NEW WORK (INCLUDING SLEEVE LOCATIONS) TO VERIFY LOCATIONS AND COORDINATION OF WORK BETWEEN TRADES PRIOR TO INSTALLATION.

3. ALL REQUIRED OPENINGS IN CONCRETE BEAMS AND STRUCTURAL WALLS ARE TO BE ACCOMPLISHED USING SLEEVES PROPERLY SIZED FOR THE PIPE THEY SERVE. CORE DRILLING IN BEAMS IS NOT ALLOWED. CORE DRILLING IN PANS IS ALLOWED UPON PRIOR APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.

4. NO GAS LINES SHALL BE LOCATED BELOW BUILDING SLAB.

5. ANY ELECTRICAL SPACE NOT CONSTRUCTED WITH A SUB-ROOF WHICH MAY HAVE PLUMBING PIPING AT THE CEILING OF THESE SPACES SHALL HAVE A DRIP PAN INSTALLED BELOW THE PIPING. DRIP PANS SHALL BE 1.5 TIMES THE WIDTH OF THE PIPING SERVED WITH A MINIMUM OF 2" HIGH SIDES. DRIP PANS SHALL BE SUSPENDED FROM THE PIPING SERVED AND SHALL SLOPE AT A MINIMUM 1/8"/FT. DRIP PANS SHALL DISCHARGE WITH MIN. 1-1/2" DR TO FLOOR DRAINS.

   A. DO NOT LOCATE PIPING DIRECTLY ABOVE ANY ELECTRICAL EQUIPMENT IN ELECTRICAL ROOMS.

STRUCTURE:

1. DO NOT PENETRATE STRUCTURAL MEMBERS. ALL EQUIPMENT SUPPORTS SHALL BE ATTACHED TO THE LOAD BEARING MEMBERS OF STRUCTURAL ELEMENTS. DO NOT OVER-STRESS ANY STRUCTURAL MEMBERS. CONTACT STRUCTURAL ENGINEER FOR ALLOWABLE LOADS FOR SPECIFIC MEMBERS.

2. DO NOT UTILIZE POWER DRIVEN ANCHORS FOR ANY LOCATIONS WHICH REQUIRE THE LOAD TO BE HELD IN TENSION. SEE STRUCTURAL DIVISION FOR ADDITIONAL RESTRICTIONS.

3. SEE ALSO STRUCTURAL DIVISION FOR ACCEPTABLE ANCHORING AND SUPPORT MEANS, METHODS, AND LOCATIONS.

4. PROVIDE FLEXIBLE CONNECTORS, EXPANSION LOOPS, EXPANSION JOINTS, ADDITIONAL FITTINGS OR EQUIVALENT TO ACCOMMODATE THE THERMAL EXPANSION OF THE BUILDING THROUGH STRUCTURAL EXPANSION JOINTS. PROVIDE SUCH FITTING AT EVERY PIPE, DUCT, CONDUIT, ETC. CROSSING OF A STRUCTURAL EXPANSION JOINT.

FIRE PROTECTION NOTES:

1. FIRE PROTECTION NOTES

   A. SUBMIT SHOP DRAWINGS SHOWING PROPOSED LAYOUT OF FIRE PROTECTION SYSTEM. DRAWINGS SHALL SHOW ACTUAL EQUIPMENT TO BE USED, DIMENSIONS AND HYDRAULIC CALCULATIONS. SHOP DRAWINGS SHALL BE APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO SUBMITTAL TO ENGINEER OR ARCHITECT.

   B. SHOW THE CONNECTING MAIN AND BRANCH PIPE SIZES FOR ALL RELOCATED EXISTING SPRINKLER HEADS.

   C. CONFORM TO HAZARD OCCUPANCY REQUIREMENTS OF NFPA 13.

2. THE ENTIRE BUILDING SHALL BE SERVED BY EXISTING GONDOLA SQUARE GLYCOL FIRE SPRINKLER SYSTEM. COORDINATE ELECTRICAL, FIRE PROTECTION AND MECHANICAL SPACE REQUIREMENTS CAREFULLY BEFORE PROCEEDING WITH INSTALLATION.

3. EXTEND THE EXISTING SPRINKLER SYSTEM, RELOCATE EXISTING AND ADD NEW SPRINKLER HEADS IN ACCORDANCE WITH NFPA 13, ALL APPLICABLE CODES AND ORDINANCES AND PROJECT REQUIREMENTS TO COMPLETELY PROTECT THE NEW WORK.

4. SYSTEM SHALL BE INSTALLED COMPLETE AND OPERATIONAL, INCLUDING WATER FLOW INDICATOR, CONNECTIONS TO EXISTING ALARM, DRAIN PIPING, IDENTIFICATION SIGNS, ETC.

5. WORK SHALL BE PERFORMED BY A QUALIFIED FIRE SPRINKLER INSTALLER WITH A MINIMUM OF (5) FIVE YEARS EXPERIENCE IN SIMILAR INSTALLATIONS.

6. COORDINATE ALL WORK WITH ALL OTHER TRADES.

7. SUPPLY OWNER AN EXTRA STOCK OF SIX SPRINKLER HEADS (6), THREE (3) OF EACH TYPE, AND A SPRINKLER WRENCH.

FIRE STOPPING:

1. FIRE STOPPING REQUIREMENT: PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814. ACCEPTANCE MATERIALS INCLUDE: DOW CORNING RTV FIRE STOP FOAM FOR BARE PIPE, METAL CONDUIT, AND ELECTRICAL CABLE; 3M FIRE DAM 21,22 AND 230 CAULK FOR BARE PIPE, METAL CONDUIT, AND BUILDING CONSTRUCTION; GAPS 3M FS-195 INTUMESCENT STRIPS FOR INSULATED PIPES, PLASTIC PIPE OR CONDUIT, AND ELECTRICAL CABLE.

CONSTRUCTION VENTILATION:

1. WHERE EXISTING OR NEW MECHANICAL SYSTEMS ARE USED FOR TEMPORARY VENTILATION OR CLIMATE CONTROL, MECHANICAL EQUIPMENT INSTALLER SHALL PROVIDE CONSTRUCTION FILTERS, MAINTAIN EQUIPMENT, AND CLEAN, ADJUST AND PUT IN NEW CONDITION BEFORE BUILDING OCCUPANCY. PARTS AND LABOR WARRANTY SHALL NOT BE CONSIDERED TO START UNTIL ACCEPTANCE OF SYSTEM BY OWNER.

2. PROVIDE CONSTRUCTION FILTERS INSTALLED AT ALL AIR MOVING DEVICES THROUGHOUT THE CONSTRUCTION. REMOVE FILTERS ONLY FOR BALANCING AND FINAL TURNOVER. INSPECT ALL NON-CONSTRUCTION FILTERS AND REPLACE ALL THOSE DEEMED NECESSARY BY THE ENGINEER PRIOR TO ACCEPTANCE OF THE SYSTEM BY THE OWNER.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

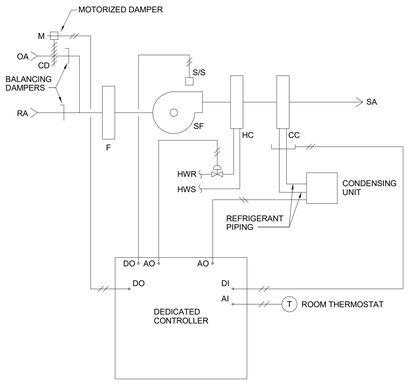
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL GENERAL NOTES

Scale
1/8" = 1'-0"

M0.001



A BUILDING F FAN COIL UNIT CONTROL
NONE

SEQUENCE OF OPERATION:

A. GENERAL:
1. THE FOLLOWING SEQUENCE OF OPERATION INCLUDES REQUIRED FUNCTIONALITY OF THE FAN COIL UNIT. POINTS REQUIRED TO EXECUTE THIS SEQUENCE SHALL BE COORDINATED BETWEEN THE EQUIPMENT PROVIDER AND TEMPERATURE CONTROLS CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. SUBMIT LIST OF ITEMS TO BE PROVIDED BY THE TEMPERATURE CONTROLS CONTRACTOR IN ORDER TO EXECUTE THIS SEQUENCE.
2. UNIT SHALL BE PROVIDED WITH A PROGRAMMABLE THERMOSTAT CAPABLE OF HOURLY OCCUPIED/UNOCCUPIED MODE SEQUENCING AND SETPOINT ADJUSTMENT. PROGRAMMABLE THERMOSTAT SHALL BE PROVIDED WITH PASSWORD PROTECTION.

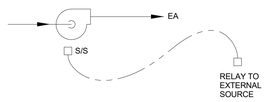
B. OCCUPIED MODE:
1. UNITS WITH OUTSIDE AIR DUCTWORK: WHEN THE FCU IS IN THE OCCUPIED MODE, THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY. THE OUTSIDE AIR MOTORIZED DAMPER SHALL BE OPEN. THE SUPPLY FAN SHALL UTILIZE MULTI-SPEED FAN CONTROL. COOLING AND HEATING SHALL MODULATE IN SEQUENCE TO MAINTAIN SPACE TEMPERATURE SETPOINT.
2. UNITS WITH NO OUTSIDE AIR DUCTWORK: WHEN THE FCU IS IN THE OCCUPIED MODE, THE SUPPLY FAN SHALL OPERATE INTERMITTENTLY. THE SUPPLY FAN SHALL UTILIZE MULTI-SPEED FAN CONTROL. COOLING AND HEATING SHALL MODULATE IN SEQUENCE TO MAINTAIN SPACE TEMPERATURE SETPOINT.

C. UNOCCUPIED MODE:
1. WHEN THE FCU ENTERS UNOCCUPIED MODE THE SUPPLY FAN SHALL BE OFF, THE OUTSIDE AIR DAMPER SHALL CLOSE, COOLING SHALL BE DISABLED, AND HEATING CONTROL VALVE SHALL CLOSE.
2. SPACE TEMPERATURE SHALL BE SETBACK AND MAINTAINED BELOW A 5F (ADJ.) OFFSET TO OCCUPIED MODE COOLING SETPOINT AND ABOVE A 10F (ADJ.) OFFSET TO OCCUPIED MODE HEATING SETPOINT.
3. WHEN COOLING IS REQUIRED IN THE SPACE, THE SUPPLY FAN SHALL CYCLE ON AND COOLING SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE.
4. WHEN HEATING IS REQUIRED IN THE SPACE, THE SUPPLY FAN SHALL CYCLE ON AND HEATING SHALL MODULATE TO FULL.
5. UPON SPACE TEMPERATURE REACHING UNOCCUPIED MODE SETPOINT, UNIT SHALL CYCLE OFF.

D. FAN SAFETY CONTROLS:
1. DE-ENERGIZE THE SUPPLY FAN WHENEVER THE OVERFLOW SENSOR HAS TRIPPED. MANUAL RESET REQUIRED.

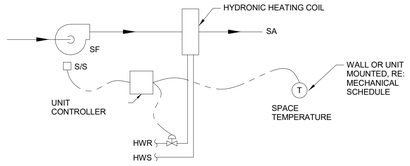
E. HEATING CONTROL:
1. THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE. HEATING CONTROL VALVE SHALL CLOSE IF THE FANS ARE OFF.

F. COOLING CONTROL:
1. THE COOLING SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE. COOLING SHALL BE DISABLED IF THE FANS ARE OFF.



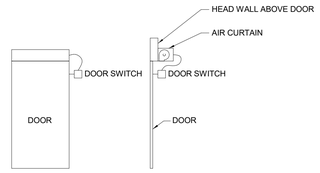
B BUILDING F EXHAUST FAN CONTROL (INTERLOCK)
NONE

A. INTERLOCK FAN WITH FAN COIL UNIT SERVING SAME AREA. ENERGIZE FAN UPON RELAY SIGNAL FROM DEVICE.



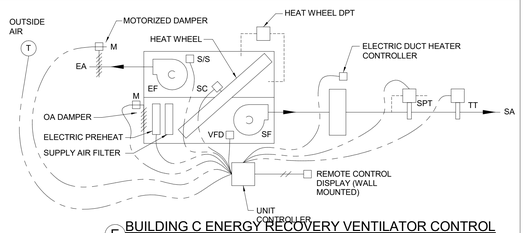
C HYDRONIC CABINET UNIT HEATER/ HYDRONIC UNIT HEATER CONTROL
NONE

A. THERMOSTAT SHALL CYCLE FAN & OPEN HEATING WATER VALVE TO MAINTAIN SPACE SETPOINT.
B. WHERE REMOTE MOUNTED THERMOSTAT IS INDICATED, PROVIDE CONTROL TRANSFORMER AND LOW VOLTAGE THERMOSTAT BY TEMPERATURE CONTROLS CONTRACTOR.



D AIR CURTAIN CONTROL
NONE

A. EACH DOOR PROTECTED WITH AIR CURTAIN(S) SHALL BE PROVIDED WITH A DOOR SWITCH. WHEN THE DOOR OPENS EITHER FULLY OR PARTIALLY, THE AIR CURTAIN SHALL ENERGIZE. WHEN THE DOOR HAS FULLY CLOSED, THE AIR CURTAIN SHALL DE-ENERGIZE.



E BUILDING C ENERGY RECOVERY VENTILATOR CONTROL
NONE

A. ENERGY RECOVERY VENTILATOR SHALL BE PROVIDED WITH REMOTE DISPLAY BY ERV MANUFACTURER FOR SCHEDULING OF OCCUPIED AND UNOCCUPIED MODES. REMOTE DISPLAY SHALL BE WALL MOUNTED.
B. WHEN THE UNIT IS IN OCCUPIED MODE, THE SUPPLY FAN VFD SHALL BE ENERGIZED AND SHALL MODULATE TO MAINTAIN SUPPLY DUCT STATIC PRESSURE SETPOINT. THE EXHAUST FAN VFD SHALL BE ENERGIZED AND SHALL TRACK THE SUPPLY FAN BLOWER SPEED VIA INTERNAL PACKAGED CONTROLS. THE HEAT WHEEL SHALL MODULATE TO MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT. THE ERV CONTROLLER SHALL RESET THE SUPPLY TEMPERATURE SETPOINT BASED ON OUTSIDE AIR TEMPERATURE. WHEN OUTSIDE AIR TEMPERATURE IS BELOW 55F, SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 68F (ADJ.). WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 65F, SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55F (ADJ.). WHEN OUTSIDE AIR TEMPERATURE IS BETWEEN 55F AND 65F, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE ADJUSTED LINEARLY BETWEEN 55F AND 68F.
C. WHEN OUTSIDE AIR TEMPERATURE IS BELOW 5F (ADJ.) AND THE DIFFERENTIAL PRESSURE ACROSS THE WHEEL RISES TO 1.5", FROST CONTROL MODE SHALL BE ENABLED. UNIT MOUNTED ELECTRIC PREHEAT SHALL BE ENERGIZED. WHEN OUTSIDE AIR RISES ABOVE 5F (ADJ.) AND THE DIFFERENTIAL PRESSURE ACROSS THE WHEEL FALLS BELOW 1.5", UNIT SHALL RESUME NORMAL OPERATION.
D. HEATING CONTROL: EACH ENERGY RECOVERY VENTILATOR SHALL BE PROVIDED WITH AN EXTERNAL ELECTRIC DUCT HEATER WITH SCR CONTROL. THE ERV CONTROLLER SHALL MODULATE HEATING AT THE EXTERNAL ELECTRIC DUCT HEATER TO MAINTAIN SUPPLY AIR DISCHARGE TEMPERATURE SETPOINT. HEATING SHALL BE LOCKED OUT WHEN OUTSIDE AIR IS ABOVE 68F (ADJ.).

CONTROL LEGEND

ABBR	DESCRIPTION	ABBR	DESCRIPTION	ABBR	DESCRIPTION
AI	ANALOG INPUT	FR	FREEZESTAT	PHC	PREHEAT COIL
AO	ANALOG OUTPUT	FRN	FURNACE	PT	PRESSURE TRANSMITTER
BDD	BACKDRAFT DAMPER	FS	FLOW SWITCH	PZ	PIEZOMETER RING
BTU	BTU METER	FSCP	FIREFIGHTER SMOKE CONTROL PANEL	RA	RETURN AIR
C	CONTROLLER	FSPD	FAN SPEED	RF	RETURN FAN
CC	COOLING COIL	FT	FLOW TRANSMITTER	S	SPACE TEMPERATURE SENSOR
CD	CONTROL DAMPER	H	HUMIDITY OR HIGH	S/S	START/STOP
CFM	AIRFLOW MEASURING SENSOR	HC	HEATING COIL	SA	SUPPLY AIR
CHR	CHILLED WATER RETURN	HL	HIGH/LOW	SC	SPEED CONTROL
CHS	CHILLED WATER SUPPLY	HH	HIGH LIMIT HUMIDITY SWITCH	SD	SMOKE DETECTOR
CO2	CARBON DIOXIDE	HS	HUMIDITY SENSOR	SF	SUPPLY FAN
COND	CONDENSATE OVERFLOW	HT	HUMIDITY TRANSMITTER	SPT	STATIC PRESSURE TRANSMITTER
COV	CHANGE OF VALUE	HWR	HOT WATER RETURN	SR	SWITCHING RELAY
CSEN	CURRENT SENSOR	HWS	HOT WATER SUPPLY	T	THERMOSTAT
DI	DIGITAL INPUT	IR	INTERLOCK RELAY	TM	THERMAL MASS METER
DO	DIGITAL OUTPUT	L	LEVEL OR LOW	TO	TIMED OVERRIDE SWITCH
DP	DIFFERENTIAL PRESSURE	LAN	LOCAL AREA NETWORK CONNECTION	TS	TEMPERATURE SENSOR
EA	EXHAUST AIR	M	MOTORIZED CONTROL	TT	TEMPERATURE TRANSMITTER
ES	END SWITCH	MIN	MINIMUM	TTAB	TEMPERATURE TRANSMITTER W/AVERAGING BULB
F	FILTER ASSEMBLY OR FAIL	ND	NITROGEN DIOXIDE	V	VALVE
FACP	FIRE ALARM CONTROL PANEL	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
FAS	FIRE ALARM SYSTEM	OS	OCCUPANCY SENSOR	VP	VIRTUAL POINT
FC	FAIL CLOSED	P	SPACE STATIC PRESSURE	VS	VELOCITY SENSOR
FCU	FAN COIL UNIT	P-E	PNEUMATIC ELECTRIC SWITCH	WBT	WET BULB TEMPERATURE TRANSMITTER
FM	FLOW METER				
FO	FAIL OPEN				

CONTROL SYSTEM GENERAL NOTES:

DESIGN INTENT:

A. THE CONTROL DRAWINGS AND SEQUENCES ARE PROVIDED TO COMMUNICATE A DESIGN INTENT FOR CONTROL OF INDICATED SYSTEMS. ALTERNATIVE CONTROL METHODS MAY BE USED WHERE PRACTICAL OR WHERE NECESSARY TO MEET REQUIRED SYSTEM PERFORMANCE. WHERE ALTERNATIVE CONTROL METHODS ARE USED TO MEET THE DESIGN INTENT, THESE METHODS SHALL BE INDICATED IN SUBMITTAL TO ENGINEER FOR EVALUATION. ENGINEER SHALL DETERMINE IF A SUBMITTED ALTERNATIVE CONTROL METHOD MEETS THE DESIGN INTENT.

B. ALTHOUGH THE MECHANICAL DRAWINGS MAY INDICATE A PRODUCT AS BASIS OF DESIGN, THE CONTROL DRAWINGS AND SEQUENCES ARE PROVIDED TO INDICATE A DESIGN INTENT FOR THE COMPLETE SYSTEM THAT IS APPLICABLE TO MULTIPLE POTENTIAL PRODUCTS OR MANUFACTURERS. CONTROL METHODS SHALL BE DEVELOPED BY THE TEMPERATURE CONTROLS CONTRACTOR AND/OR EQUIPMENT PROVIDER IN ORDER TO ACHIEVE THE REQUIRED SYSTEM PERFORMANCE.

REQUIRED COORDINATION:

A. THE DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN EQUIPMENT PROVIDERS AND TEMPERATURE CONTROLS CONTRACTOR IN ORDER TO FULLY SATISFY THE DESIGN INTENT. INTERFACE BETWEEN CONTROL SYSTEMS, INCLUDING ITEMS PROVIDED BY EACH ENTITY; COMMUNICATION PROTOCOL, SIGNAL TYPE, ETC., SHALL BE COORDINATED PRIOR TO RELEASE OF EQUIPMENT FOR PRODUCTION.

B. THE TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS AND PRODUCT DATA FOR THE ENTIRE CONTROL SYSTEM TO ENGINEER FOR REVIEW. THE TEMPERATURE CONTROLS SUBMITTAL SHALL DISTINGUISH WHERE SPECIFIC SEQUENCE ELEMENTS ARE PROVIDED WITHIN THE BOILER PLANT CONTROL SYSTEM OR WITHIN PACKAGED EQUIPMENT CONTROLLERS. RE: SPECIFICATIONS FOR REQUIREMENTS.

C. REFER TO SPECIFICATION SECTION 23 05 01 MECHANICAL AND ELECTRICAL COORDINATION.

SEQUENCE OF OPERATION GENERAL NOTES:

GENERAL:

A. PROVIDE INDIVIDUAL INPUTS OR OUTPUTS FOR EACH POINT LISTED IN THE POINTS LIST OR CONTROL DIAGRAM. PROVIDE ANY ADDITIONAL POINTS NOT LISTED IN THE POINTS LIST OR CONTROL DIAGRAM, BUT REQUIRED TO MEET THE SEQUENCE OF OPERATION, AT NO ADDITIONAL COST TO THE OWNER. ALL ANALOG OUTPUTS SHALL BE 4-20MA, 0-10VDC OR 0-20VDC UNLESS OTHERWISE INDICATED.

B. IN THE EVENT OF A POWER OUTAGE OR OTHER MALFUNCTION, THE CURRENTLY ENABLED CONTROLS SEQUENCES SHALL BE MAINTAINED. RE: SPECIFICATIONS.

OCCUPANCY SCHEDULES:

A. THE FOLLOWING SPECIAL OCCUPANCY SCHEDULE MODES ARE HEREBY DEFINED:
1. OCCUPIED MODE
2. UNOCCUPIED MODE

B. ANY DEVICE UTILIZING ON/OFF CONTROL OR SCHEDULING VIA BMS SHALL BE CAPABLE OF BEING PROGRAMMED TO CONFORM TO ANY OF THE ABOVE SEQUENCES.

C. THE BMS SHALL STAGE AIR HANDLERS TO/FROM OCCUPIED MODE TO MINIMIZE SUDDEN CHANGES IN SYSTEM FLOW REQUIREMENTS.

INITIAL SPACE THERMOSTAT SEPOINTS

A. INITIAL SPACE THERMOSTAT SETPOINTS SHALL BE AS FOLLOWS:

1. OCCUPIED OFFICE AND CONFERENCE ROOM SPACES:
COOLING: 76F
HEATING: 70F
2. MECHANICAL AND ELECTRICAL ROOMS:
COOLING: 80F
HEATING: 65F
3. BUILDING ENTRY VESTIBULES:
COOLING: 80F (WHERE COOLING IS PROVIDED)
HEATING: 60F
4. MISCELLANEOUS HEATING-ONLY AREAS:
HEATING: 65F

MISCELLANEOUS NON-DDC CONTROL:

A. MISCELLANEOUS PUMPS: PUMPS SHALL OPERATE PER SCHEDULE AND DRAWINGS.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

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Martin/Martin Consulting Engineers
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COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
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Description
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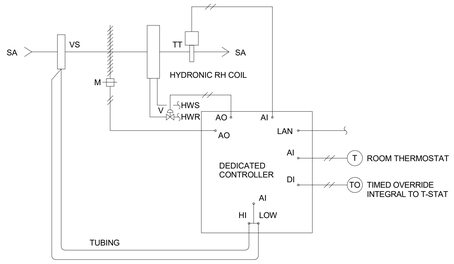


BUILDING A SUPPLY VARIABLE AIR VOLUME (VAV) BOX WITH HOT WATER REHEAT CONTROL

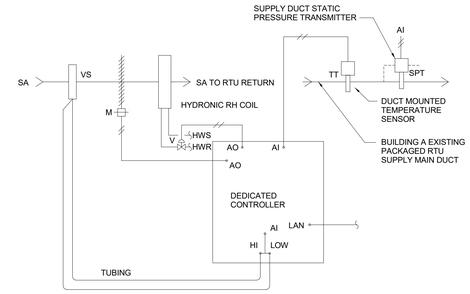
A NONE

SEQUENCE OF OPERATION:

A. OCCUPIED MODE:
1. ON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT, THE UNIT SHALL MODULATE UP TO ITS MAXIMUM CFM TO MAINTAIN COOLING SETPOINT. AS SPACE TEMPERATURE DECREASES, THE UNIT SHALL MODULATE DOWN TO ITS MINIMUM COOLING CFM TO MAINTAIN COOLING SETPOINT. UPON A FURTHER DECREASE IN SPACE TEMPERATURE, THE UNIT SHALL MODULATE TO ITS FIXED HEATING MINIMUM CFM AND THE HEATING WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN HEATING SETPOINT.

B. UNOCCUPIED MODE:
1. WHEN UNIT ENTERS UNOCCUPIED MODE, UNIT VOLUME DAMPER SHALL FULLY CLOSE AND HEATING WATER CONTROL VALVE SHALL CLOSE.
2. SPACE TEMPERATURE SHALL BE SETBACK AND MAINTAINED BELOW A 5F (ADJ.) OFFSET TO OCCUPIED MODE COOLING SETPOINT AND ABOVE A 10F (ADJ.) OFFSET TO OCCUPIED MODE HEATING SETPOINT .
3. WHEN COOLING OR HEATING IS REQUIRED IN THE SPACE, THE AIR HANDLING SYSTEM SERVING THE UNIT SHALL CYCLE ON AND THE UNIT SHALL OPERATE PER OCCUPIED MODE SEQUENCE TO MAINTAIN SETBACK SPACE TEMPERATURE.
4. IF THE AIR HANDLING SYSTEM SERVING THE UNIT CYCLES ON AT ANY TIME DURING UNOCCUPIED MODE, THE UNIT CONTROL DAMPER SHALL BE OPEN AND UNIT SHALL MODULATE PER THE SETBACK MODE ABOVE. WHEN THE AIR HANDLING UNIT CYCLES OFF, UNIT VOLUME DAMPER SHALL FULLY CLOSE AND HEATING SHALL BE DISABLED.
5. PROVIDE TIMED OVERRIDE SWITCH AT EACH SPACE THERMOSTAT. OVERRIDE SHALL RETURN SYSTEM SERVING ZONE TO OCCUPIED MODE FOR TWO HOURS (ADJ.). SYSTEM SHALL BE CAPABLE OF LOCKING OUT OVERRIDE CONTROL AT EACH INDIVIDUAL ZONE.

C. PRE-OCCUPANCY WARM-UP AND COOL-DOWN MODES:
1. WHEN THE AIR HANDLING SYSTEM SERVING THE UNIT ENTERS PRE-OCCUPANCY WARM-UP OR PRE-OCCUPANCY COOL-DOWN MODE, UNIT SHALL OPERATE PER OCCUPIED MODE SEQUENCE. UNIT SHALL CONTINUE TO OPERATE IN OCCUPIED MODE AS THE AIR HANDLING SYSTEM TRANSITIONS TO OCCUPIED MODE.



BUILDING A BYPASS VARIABLE AIR VOLUME (VAV) BOX WITH HOT WATER REHEAT CONTROL

A NONE

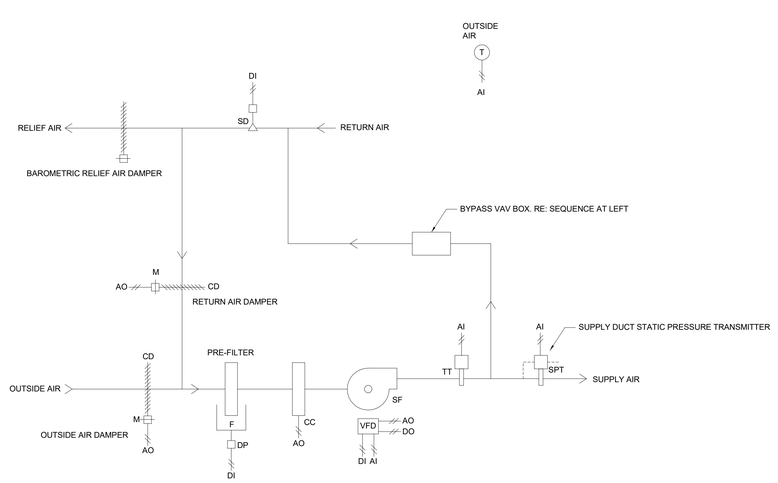
SEQUENCE OF OPERATION:

A. GENERAL:
1. THE SYSTEM IS PROVIDED WITH A BYPASS VAV BOX WHICH DIRECTS SUPPLY AIRFLOW FROM THE PACKAGED ROOFTOP UNIT SUPPLY MAIN DUCT TO THE RETURN PLENUM IN ORDER TO KEEP AIRFLOW AT THE ROOFTOP UNIT CONSTANT DURING HEATING AND COOLING MODES. THE BYPASS VAV BOX SHALL OPERATE IN A REVERSE-ACTING AIRFLOW SEQUENCE SUCH THAT WHEN OTHER VAV BOXES IN THE SYSTEM ARE REDUCING AIRFLOW, THE BYPASS VAV BOX SHALL INCREASE AIRFLOW SO THAT FLOW AT THE ROOFTOP UNIT REMAINS AT OR ABOVE 5,600 CFM. THE BYPASS VAV BOX SHALL BE CONTROLLED TO MAINTAIN SUPPLY DUCT STATIC PRESSURE ON THE DISCHARGE SIDE OF THE EXISTING PACKAGED ROOFTOP UNIT.

B. OCCUPIED MODE:
1. THE BMS SHALL MONITOR AND CONTROL DUCT STATIC PRESSURE IN THE PACKAGED ROOFTOP UNIT SUPPLY MAIN DUCT.
2. AS THE SUPPLY VAV BOXES IN THE AIR HANDLING SYSTEM REDUCE AIRFLOW, THE BYPASS VAV BOX SHALL INCREASE AIRFLOW TO MAINTAIN SUPPLY DUCT STATIC PRESSURE SETPOINT.
3. AS THE SUPPLY VAV BOXES IN THE AIR HANDLING SYSTEM INCREASE AIRFLOW, THE BYPASS VAV BOX SHALL REDUCE AIRFLOW TO MAINTAIN SUPPLY DUCT STATIC PRESSURE. ONCE THE BYPASS VAV BOX HAS REACHED MINIMUM AIRFLOW, IT SHALL REMAIN AT MINIMUM AIRFLOW AS LONG AS DUCT STATIC PRESSURE IS ABOVE SETPOINT.
4. THE BYPASS VAV BOX IS EQUIPPED WITH A REHEAT COIL. PROVIDE A DUCT MOUNTED TEMPERATURE SENSOR DOWNSTREAM OF THE PACKAGED ROOFTOP UNIT FOR CONTROL OF THE BYPASS VAV BOX REHEAT COIL. WHEN SUPPLY AIR TEMPERATURE LEAVING THE ROOFTOP UNIT FALLS BELOW 55F (ADJ.), THE BYPASS VAV BOX REHEAT COIL HOT WATER VALVE SHALL OPEN AND MODULATE TO MAINTAIN A MINIMUM OF 55F (ADJ.) SUPPLY AIR TEMPERATURE LEAVING THE ROOFTOP UNIT.

C. UNOCCUPIED MODE:
1. WHEN UNIT ENTERS UNOCCUPIED MODE, UNIT VOLUME DAMPER SHALL FULLY CLOSE AND HEATING WATER CONTROL VALVE SHALL CLOSE.
2. IF THE AIR HANDLING SYSTEM SERVING THE UNIT CYCLES ON AT ANY TIME DURING UNOCCUPIED MODE, THE UNIT CONTROL DAMPER SHALL BE OPEN AND UNIT SHALL MODULATE PER THE OCCUPIED MODE ABOVE. WHEN THE AIR HANDLING UNIT CYCLES OFF, UNIT VOLUME DAMPER SHALL FULLY CLOSE AND HEATING SHALL BE DISABLED.

D. PRE-OCCUPANCY WARM-UP AND COOL-DOWN MODES:
1. WHEN THE AIR HANDLING SYSTEM SERVING THE UNIT ENTERS PRE-OCCUPANCY WARM-UP OR PRE-OCCUPANCY COOL-DOWN MODE, UNIT SHALL OPERATE PER OCCUPIED MODE SEQUENCE. UNIT SHALL CONTINUE TO OPERATE IN OCCUPIED MODE AS THE AIR HANDLING SYSTEM TRANSITIONS TO OCCUPIED MODE.



BUILDING A EXISTING PACKAGED ROOFTOP UNIT CONTROL

A NONE

SEQUENCE OF OPERATION:

A. GENERAL:
1. THE ROOFTOP UNIT SERVING BUILDING A IS EXISTING TO REMAIN. THE FOLLOWING SEQUENCE OF OPERATION INCLUDES REQUIRED FUNCTIONALITY OF THE AIR HANDLING SYSTEM INCLUDING REQUIRED SEQUENCE ADJUSTMENTS AND CONTROLLABILITY FOR THE EXISTING ROOFTOP UNIT.
2. THE EXISTING ROOFTOP UNIT SHALL BE MODIFIED TO INCLUDE AN APR CONTROL VALVE ON THE LEAD COMPRESSOR CIRCUIT TO PROVIDE VARIABLE COOLING CAPACITY FOR TIGHTER DISCHARGE AIR TEMPERATURE CONTROL. REFER TO MECHANICAL SCHEDULES.

B. OCCUPIED MODE:
1. WHEN THE UNIT IS IN THE OCCUPIED MODE, THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AT FIXED SPEED. THE OUTSIDE AIR DAMPER SHALL OPEN TO MAINTAIN MINIMUM OUTSIDE AIRFLOW OR ECONOMIZER AIRFLOW AS REQUIRED. AIR SHALL BE RELIEVED FROM THE BUILDING THROUGH THE BAROMETRIC RELIEF DAMPER IN THE ROOFTOP UNIT. COOLING AND ECONOMIZER DAMPERS SHALL MODULATE IN SEQUENCE TO MAINTAIN DISCHARGE AIR TEMPERATURE (DAT).

C. UNOCCUPIED MODE:
1. WHEN THE UNIT ENTERS UNOCCUPIED MODE THE SUPPLY FAN SHALL BE OFF, THE OUTSIDE AIR DAMPER SHALL BE CLOSED, THE RETURN AIR DAMPER SHALL BE OPEN, AND COOLING SHALL BE DISABLED.
2. WHEN THERE IS AN UNOCCUPIED CALL FOR COOLING AT ANY ZONE SERVED BY THE AIR HANDLING SYSTEM, THE SUPPLY FAN SHALL CYCLE ON AND COOLING AND/OR ECONOMIZER DAMPERS SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE. OUTSIDE AIR DAMPER SHALL BE CLOSED AND RETURN AIR DAMPER SHALL BE OPEN UNLESS ECONOMIZER CONDITIONS ARE MET.
3. WHEN THERE IS AN UNOCCUPIED CALL FOR HEATING AT ANY VAV BOX ZONE SERVED BY THE AIR HANDLING SYSTEM, THE SUPPLY FAN SHALL CYCLE ON, OUTSIDE AIR DAMPER SHALL BE CLOSED, AND RETURN AIR DAMPER SHALL BE OPEN.
4. UPON ALL SPACE T-STATS REACHING UNOCCUPIED MODE SETPOINT, UNIT SHALL CYCLE OFF.

D. OPTIMUM START WARM-UP MODE:
1. PRIOR TO SCHEDULED OCCUPANCY, IF THE AVERAGE SPACE TEMPERATURE, AS MEASURED AND AVERAGED OVER EACH THERMOSTAT SERVED BY THE SYSTEM, IS LESS THAN THE MORNING WARM-UP SETPOINT OF 70F (ADJ.), THE BMS SHALL INITIATE THE OPTIMUM START WARM-UP SEQUENCE.
2. THE BMS SHALL CALCULATE THE REQUIRED TIME TO BRING ALL SPACES WITHIN OCCUPIED HEATING SETPOINTS BASED ON THE AVERAGE TEMPERATURE OF ALL SPACES SERVED AND THE OUTSIDE AIR TEMPERATURE WHEN THE SEQUENCE IS INITIATED.
3. UPON INITIATING OPTIMUM START WARM-UP MODE, THE SUPPLY FAN SHALL BE ENERGIZED, THE OUTSIDE AIR DAMPER SHALL BE CLOSED, AND THE RETURN AIR DAMPER SHALL BE OPEN.
4. COOLING SHALL BE LOCKED OUT.
5. REVERT TO OCCUPIED MODE (ALLOW OUTSIDE AIR DAMPER TO OPEN) WHEN ALL SPACE STATS HAVE REACHED OCCUPIED HEATING SETPOINT.

E. OPTIMUM START COOL-DOWN MODE:
1. PRIOR TO SCHEDULED OCCUPANCY, IF THE AVERAGE SPACE TEMPERATURE, AS MEASURED AND AVERAGED OVER EACH THERMOSTAT SERVED BY THE SYSTEM, IS MORE THAN THE MORNING COOL-DOWN SETPOINT OF 78F (ADJ.), THE BMS SHALL INITIATE THE OPTIMUM START COOL-DOWN SEQUENCE.
2. THE BMS SHALL CALCULATE THE REQUIRED TIME TO BRING ALL SPACES WITHIN OCCUPIED COOLING SETPOINTS BASED ON THE AVERAGE TEMPERATURE OF ALL SPACES SERVED AND THE OUTSIDE AIR TEMPERATURE WHEN THE SEQUENCE IS INITIATED.
3. UPON INITIATING OPTIMUM START COOL-DOWN MODE, THE SUPPLY FAN SHALL BE ENERGIZED, THE OUTSIDE AIR DAMPER SHALL BE CLOSED, AND THE RETURN AIR DAMPER SHALL BE OPEN. COOLING AND/OR ECONOMIZER DAMPERS SHALL MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE.
4. HEATING SHALL BE LOCKED OUT.
5. REVERT TO OCCUPIED MODE (ALLOW OUTSIDE AIR DAMPER TO OPEN IF NOT ALREADY OPEN) WHEN ALL SPACE STATS HAVE REACHED OCCUPIED COOLING SETPOINT.

F. FAN SAFETY CONTROLS:
1. DE-ENERGIZE THE SUPPLY AND RETURN FANS WHENEVER THE SMOKE DETECTOR HAS TRIPPED. THE SMOKE DETECTOR REQUIRES A MANUAL RESET.

G. ECONOMIZER CONTROL;
1. WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN THE 75F, AND COOLING IS REQUIRED, THE ECONOMIZER CONTROL SHALL BE ENABLED. THE ECONOMIZER DAMPERS SHALL MODULATE BETWEEN MINIMUM POSITION AND FULL OPEN TO MAINTAIN THE DISCHARGE AIR TEMPERATURE. COOLING SHALL BE ENABLED WITH THE OUTSIDE AIR DAMPERS FULLY OPEN AS LONG AS OUTSIDE AIR TEMPERATURE IS LESS THAN 75F. WHEN OUTSIDE AIR TEMPERATURE EXCEEDS 75F, ECONOMIZER CONTROL SHALL BE DISABLED.

H. SUPPLY DUCT STATIC PRESSURE:
1. THE BMS SHALL MONITOR AND CONTROL DUCT STATIC PRESSURE IN THE PACKAGED ROOFTOP UNIT SUPPLY MAIN DUCT.
2. THE BYPASS VAV BOX SHALL MODULATE AS REQUIRED TO MAINTAIN SUPPLY DUCT STATIC PRESSURE ON THE DISCHARGE SIDE OF THE EXISTING PACKAGED ROOFTOP UNIT. REFER TO BYPASS VAV BOX SEQUENCE.
8. INITIAL STATIC PRESSURE SETPOINT SHALL BE 0.7" W.C.

I. DISCHARGE AIR TEMPERATURE:
1. MAINTAIN 55F (ADJ.) DISCHARGE AIR TEMPERATURE WHEN COOLING IS ENABLED.
2. THE BMS SHALL DETERMINE AND REPORT AIRFLOW OF EACH VAV BOX SERVED BY THE SYSTEM. AIRFLOW SHALL BE REPORTED IN UNITS OF CFM.
3. IF ANY VAV BOX SERVED BY THE SYSTEM MODULATES TO 95% OF COOLING CFM, REDUCE DISCHARGE AIR TEMPERATURE IN INCREMENTS OF 1 DEGREE F EVERY 5 MINUTES (ADJ.) UNTIL ALL BOXES ARE BELOW 90% COOLING CFM OR UNTIL DISCHARGE AIR TEMPERATURE REACHES MINIMUM SETPOINT OF 55F (ADJ.).
4. IF ALL VAV BOXES SERVED BY THE SYSTEM ARE BELOW 70% COOLING CFM, INCREASE DISCHARGE AIR TEMPERATURE IN INCREMENTS OF 1 DEGREE F EVERY 5 MINUTES (ADJ.) UNTIL ONE BOX EXCEEDS 70% COOLING CFM OR UNTIL DISCHARGE AIR TEMPERATURE REACHES MAXIMUM SETPOINT OF 70F (ADJ.).
5. IF DAT DROPS BELOW 40F (ADJ) DE-ENERGIZE FANS AND CLOSE OA AND RELIEF AIR DAMPERS. ALARM BMS.

J. COOLING CONTROL:
1. THE UNIT SHALL MODULATE COOLING THROUGH ITS INTERNAL CONTROLS TO MAINTAIN THE DAT. COOLING SHALL BE DISABLED IF THE RTU IS IN HEATING MODE, THE FANS ARE OFF, OR THE DISCHARGE AIR TEMPERATURE SENSOR HAS FAILED. THE APR CONTROL VALVE SHALL BE CONTROLLED VIA INTERNAL UNIT CONTROLS.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
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Martin/Martin Consulting Engineers
12499 West Colfax Ave.
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COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

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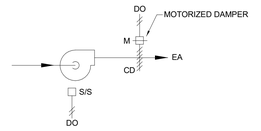
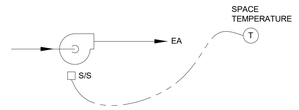


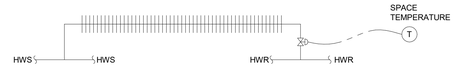
A BUILDING A TOILET EXHAUST FAN CONTROL
NONE

A. INTERLOCK FAN WITH BUILDING A PACKAGED ROOFTOP UNIT. WHEN BUILDING A PACKAGED ROOFTOP UNIT IS IN OCCUPIED MODE, MOTORIZED DAMPER SHALL OPEN AND EXHAUST FAN SHALL BE ENERGIZED. WHEN BUILDING A PACKAGED ROOFTOP UNIT IS IN UNOCCUPIED MODE, MOTORIZED DAMPER SHALL CLOSE AND FAN SHALL BE DE-ENERGIZED.



A BUILDING A TRANSFER FAN CONTROL
NONE

A. WHEN SPACE TEMPERATURE RISES ABOVE SETPOINT, ENERGIZE FAN AND OPERATE CONTINUOUSLY UNTIL SPACE TEMPERATURE FALLS BELOW SETPOINT. INITIAL SETPOINT SHALL BE 80F (ADJ.).
B. PROVIDE CONTROL TRANSFORMER AND LOW VOLTAGE THERMOSTAT BY TEMPERATURE CONTROLS CONTRACTOR.



B BUILDING A HYDRONIC FIN TUBE CONTROL
NONE

A. 2-WAY MODULATING CONTROL VALVE SHALL OPEN TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

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COLORADO LICENSED
MARWIN E. EDWARDS
56806
PROFESSIONAL ENGINEER
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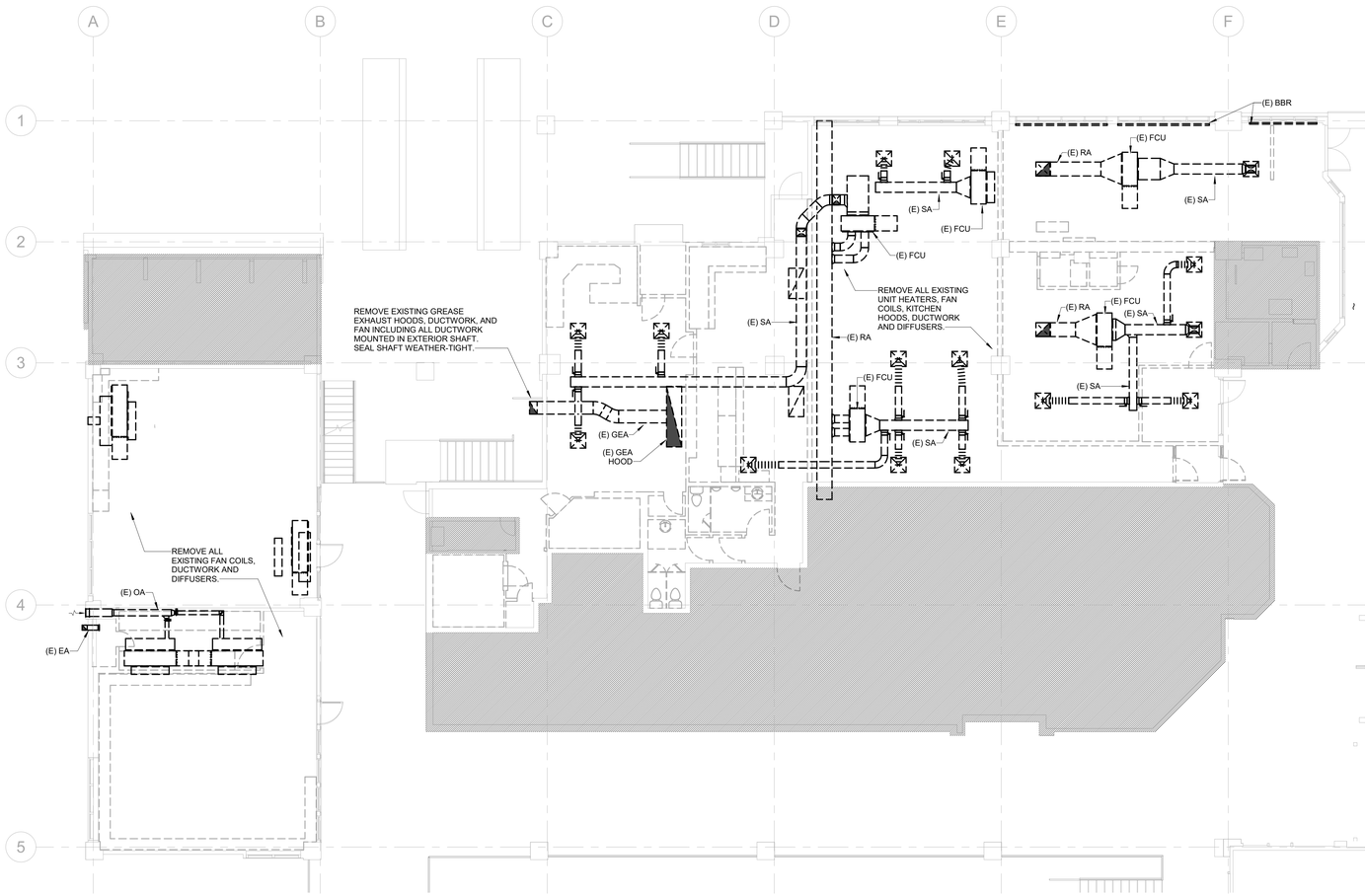

1 MECHANICAL DEMO PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. SHOWN HAS BEEN COMPILED FROM RECORD DRAWINGS AND PREVIOUS DESIGN PLANS. NEITHER THE ACCURACY OF THESE PLANS NOR THE EXTENT OF UNDOCUMENTED CHANGES SINCE HAS BEEN FIELD VERIFIED. THIS INFORMATION IS SHOWN TO HELP IDENTIFY THE "SCOPE OF WORK," BUT ANY PRICING EXERCISE OR BID SHOULD INVOLVE A THOROUGH REVIEW OF FIELD CONDITIONS PRIOR TO FINALIZING.

2. THE DRAWINGS IS DIAGRAMMATIC IN NATURE. DEMOLISHED WORK IS SHOWN BOLD AND DASHED TO REFLECT THE GENERAL DEMOLITION SCOPE. UTILIZE THE ARCHITECTURAL DRAWINGS AND MECHANICAL PLANS TO FURTHER DEFINE THE LIMITS OF DEMOLITION WORK.

3. SOME NOTES AND CALLOUTS ARE FROM RECORD DRAWINGS AND REFLECT EXISTING DUCTWORK, PIPING, AND EQUIPMENT FOR CLARITY.

4. CAP ALL EXISTING PIPING TO REMAIN AT ALL POINTS OF DISCONNECTION NOT OTHERWISE
BEING RECONNECTED WITH NEW WORK.

5. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SYSTEMS, RELOCATING AS NECESSARY.

6. DEMO GRDs IN ALL LOCATIONS WHERE CEILINGS ARE TO BE DEMOLISHED, RE: ARCHITECTURAL DEMO PLANS.

7. MAINTAIN SYSTEM CONTINUITY FOR ALL SYSTEMS THAT PASS THROUGH DEMO SCOPE AREA AND SERVE OTHER AREAS OUTSIDE THE SCOPE OF WORK.

KEYNOTES

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
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- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

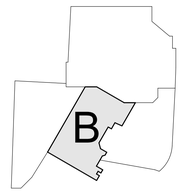
Project Number
003.7835.000

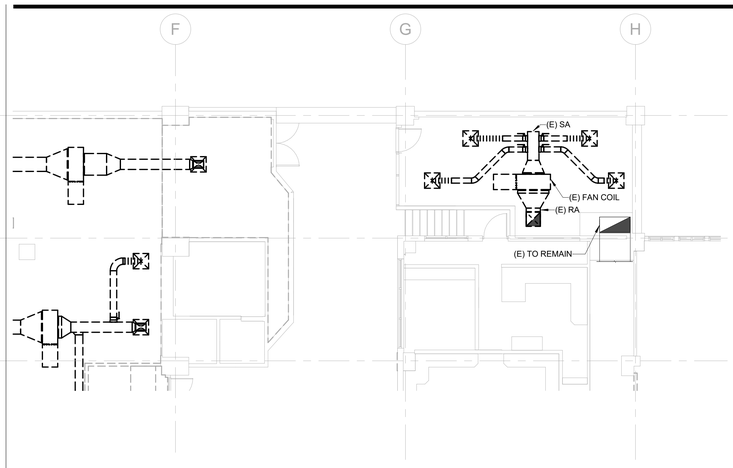
Description
MECHANICAL DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

DM1.102

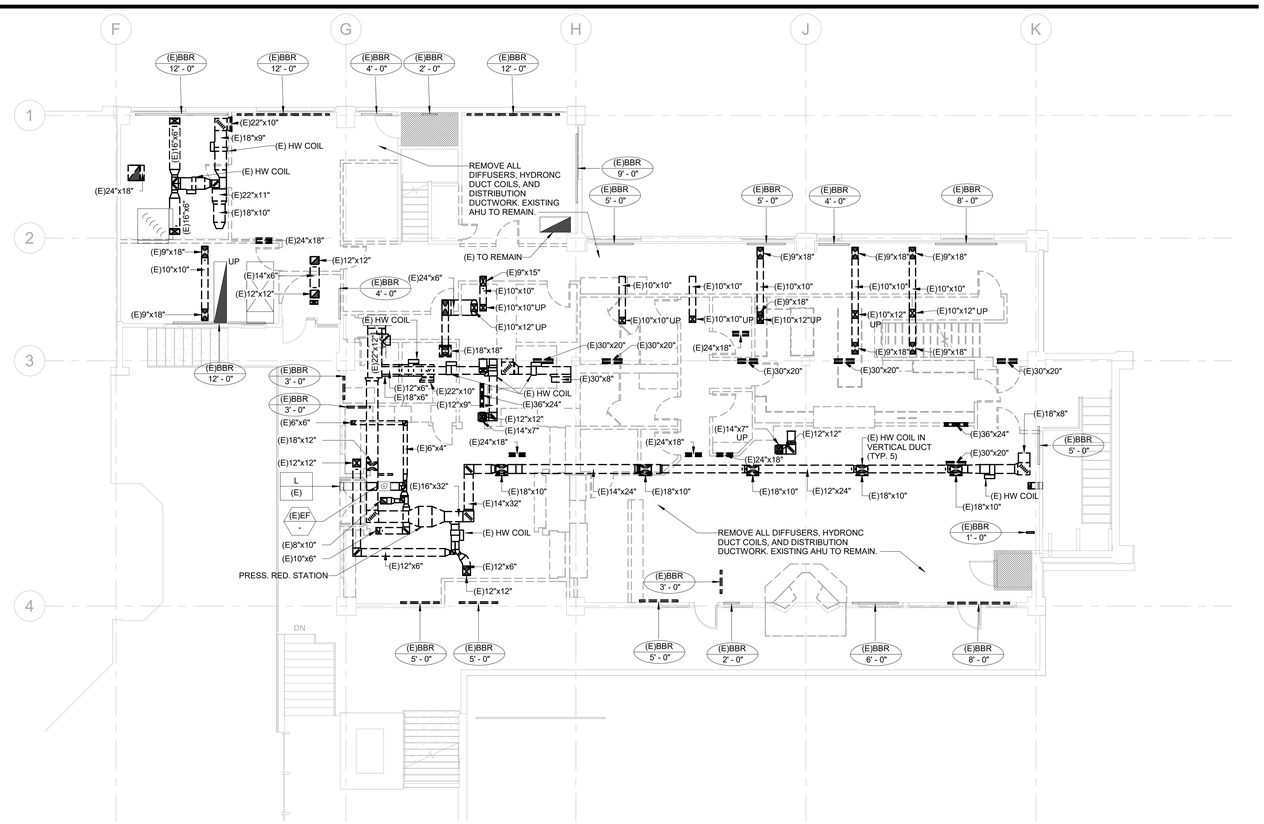
KEY PLAN





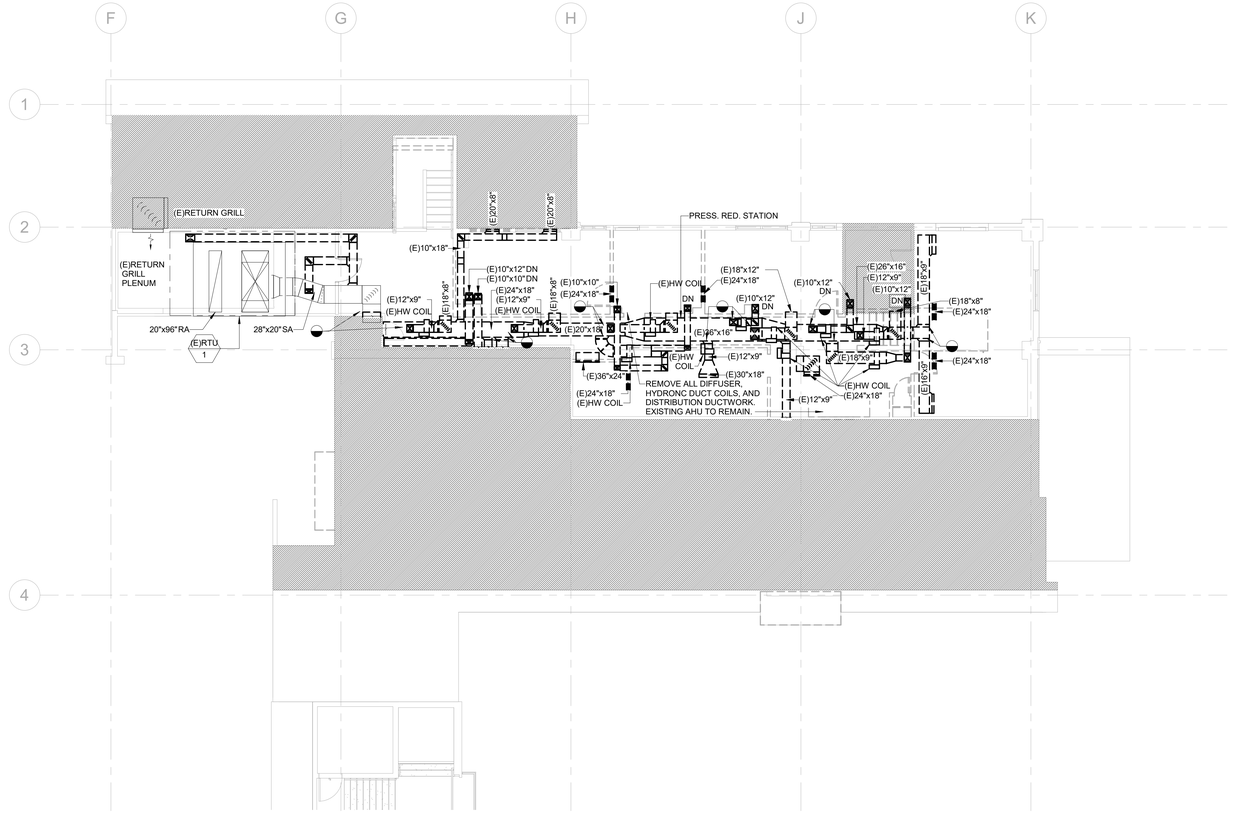
3 MECHANICAL DEMO PLAN - A BUILDING LEVEL 02

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



1 MECHANICAL DEMO PLAN - A BUILDING LEVEL 03

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



2 MECHANICAL DEMO PLAN - A BUILDING LEVEL 04

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

GENERAL NOTES:

1. EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. SHOWN HAS BEEN COMPILED FROM RECORD DRAWINGS AND PREVIOUS DESIGN PLANS. NEITHER THE ACCURACY OF THESE PLANS NOR THE EXTENT OF UNDOCUMENTED CHANGES SINCE HAS BEEN FIELD VERIFIED. THIS INFORMATION IS SHOWN TO HELP IDENTIFY THE "SCOPE OF WORK," BUT ANY PRICING EXERCISE OR BID SHOULD INVOLVE A THOROUGH REVIEW OF FIELD CONDITIONS PRIOR TO FINALIZING.

2. THE DRAWINGS IS DIAGRAMMATIC IN NATURE. DEMOLISHED WORK IS SHOWN BOLD AND DASHED TO REFLECT THE GENERAL DEMOLITION SCOPE. UTILIZE THE ARCHITECTURAL DRAWINGS AND MECHANICAL PLANS TO FURTHER DEFINE THE LIMITS OF DEMOLITION WORK.

3. SOME NOTES AND CALLOUTS ARE FROM RECORD DRAWINGS AND REFLECT EXISTING DUCTWORK, PIPING, AND EQUIPMENT FOR CLARITY.

4. CAP ALL EXISTING PIPING TO REMAIN AT ALL POINTS OF DISCONNECTION NOT OTHERWISE
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5. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SYSTEMS, RELOCATING AS NECESSARY.

6. DEMO GRDs IN ALL LOCATIONS WHERE CEILINGS ARE TO BE DEMOLISHED, RE: ARCHITECTURAL DEMO PLANS.

7. MAINTAIN SYSTEM CONTINUITY FOR ALL SYSTEMS THAT PASS THROUGH DEMO SCOPE AREA AND SERVE OTHER AREAS OUTSIDE THE SCOPE OF WORK.

KEYNOTES

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
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Tel 303.431.6100

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RCRBD
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TC
06/29/2021

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

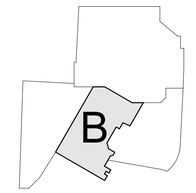
Project Number
003.7835.000

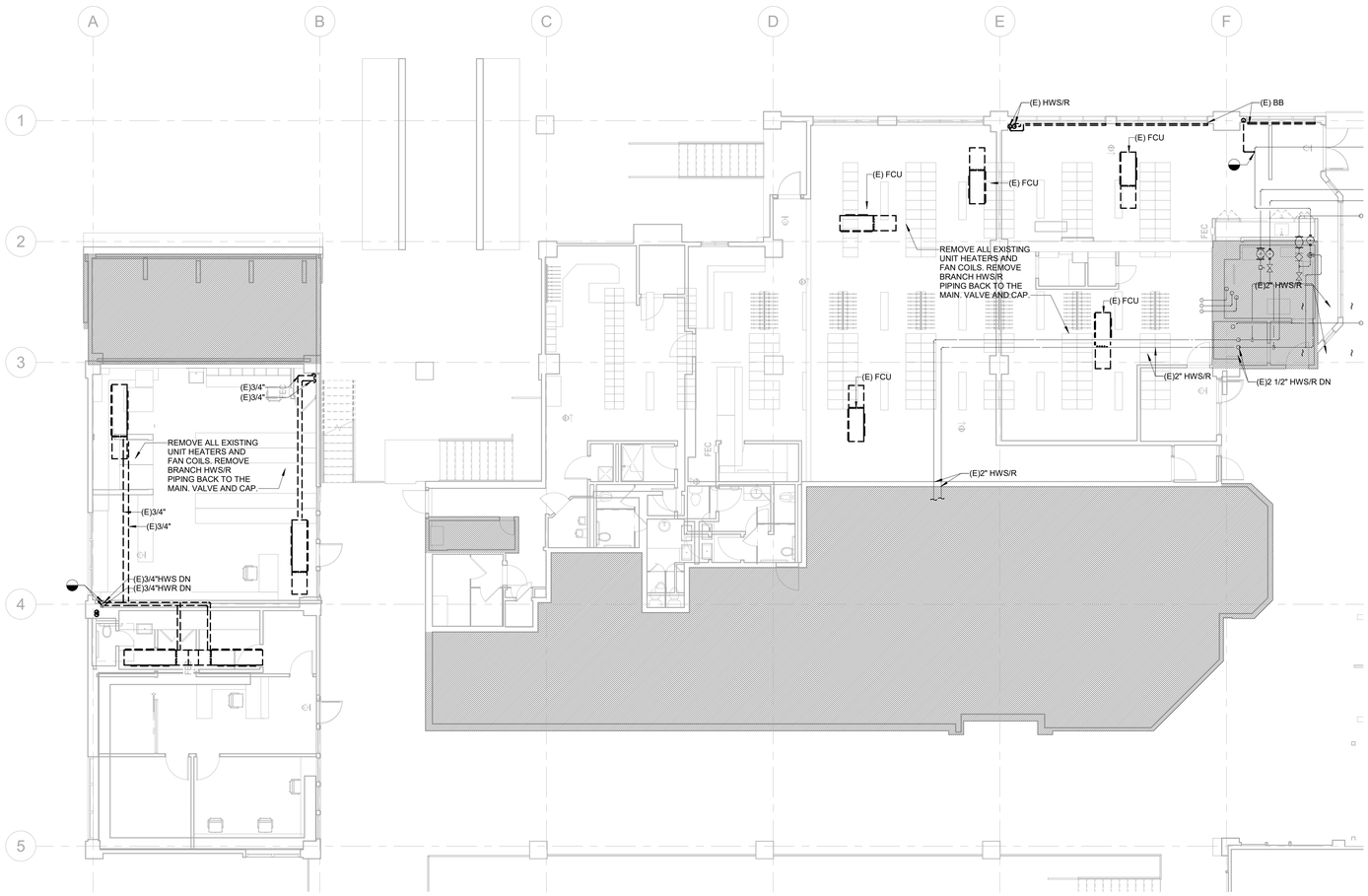
Description
MECHANICAL DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04

Scale
1/8" = 1'-0"

DM1.103

KEY PLAN





1 MECHANICAL PIPING DEMO PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. SHOWN HAS BEEN COMPILED FROM RECORD DRAWINGS AND PREVIOUS DESIGN PLANS. NEITHER THE ACCURACY OF THESE PLANS NOR THE EXTENT OF UNDOCUMENTED CHANGES SINCE HAS BEEN FIELD VERIFIED. THIS INFORMATION IS SHOWN TO HELP IDENTIFY THE "SCOPE OF WORK," BUT ANY PRICING EXERCISE OR BID SHOULD INVOLVE A THOROUGH REVIEW OF FIELD CONDITIONS PRIOR TO FINALIZING.

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4. CAP ALL EXISTING PIPING TO REMAIN AT ALL POINTS OF DISCONNECTION NOT OTHERWISE
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5. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SYSTEMS, RELOCATING AS NECESSARY.

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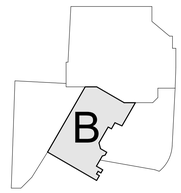
7. MAINTAIN SYSTEM CONTINUITY FOR ALL SYSTEMS THAT PASS THROUGH DEMO SCOPE AREA AND SERVE OTHER AREAS OUTSIDE THE SCOPE OF WORK.

KEYNOTES

KEY PLAN



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Gensler

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COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

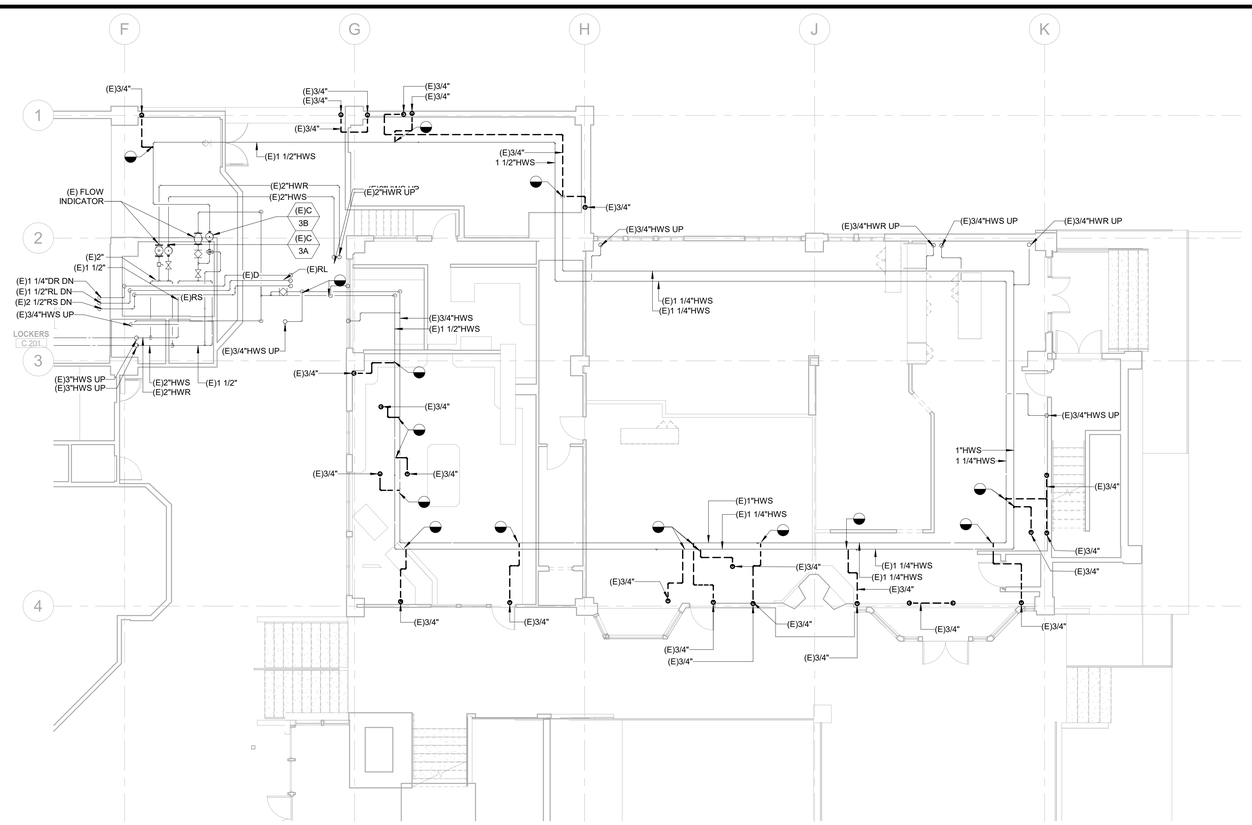
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL PIPING DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

DM1.104



1 MECHANICAL PIPING DEMOLITION PLAN - A BUILDING LEVEL 02

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

GENERAL NOTES:

1. EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. SHOWN HAS BEEN COMPILED FROM RECORD DRAWINGS AND PREVIOUS DESIGN PLANS. NEITHER THE ACCURACY OF THESE PLANS NOR THE EXTENT OF UNDOCUMENTED CHANGES SINCE HAS BEEN FIELD VERIFIED. THIS INFORMATION IS SHOWN TO HELP IDENTIFY THE "SCOPE OF WORK," BUT ANY PRICING EXERCISE OR BID SHOULD INVOLVE A THOROUGH REVIEW OF FIELD CONDITIONS PRIOR TO FINALIZING.

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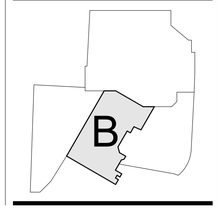
KEYNOTES

KEY PLAN



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ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
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United States
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COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

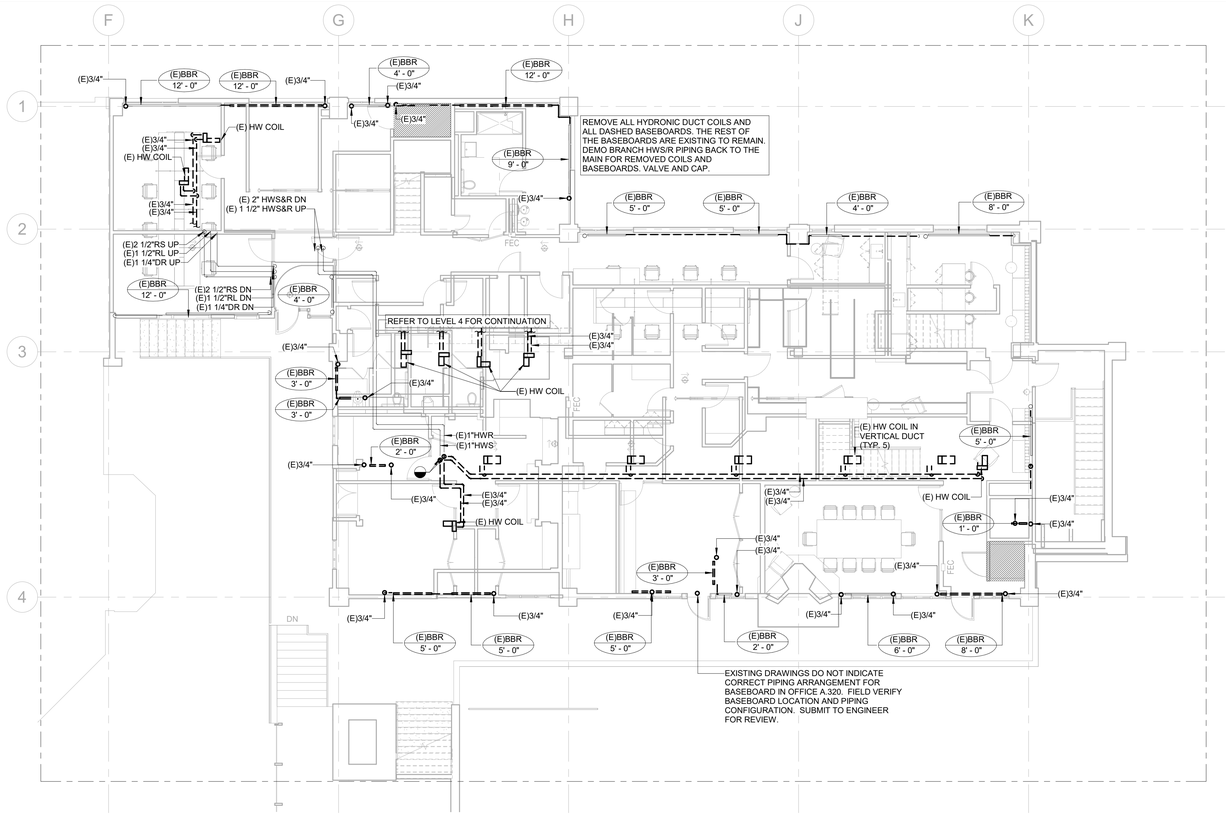
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

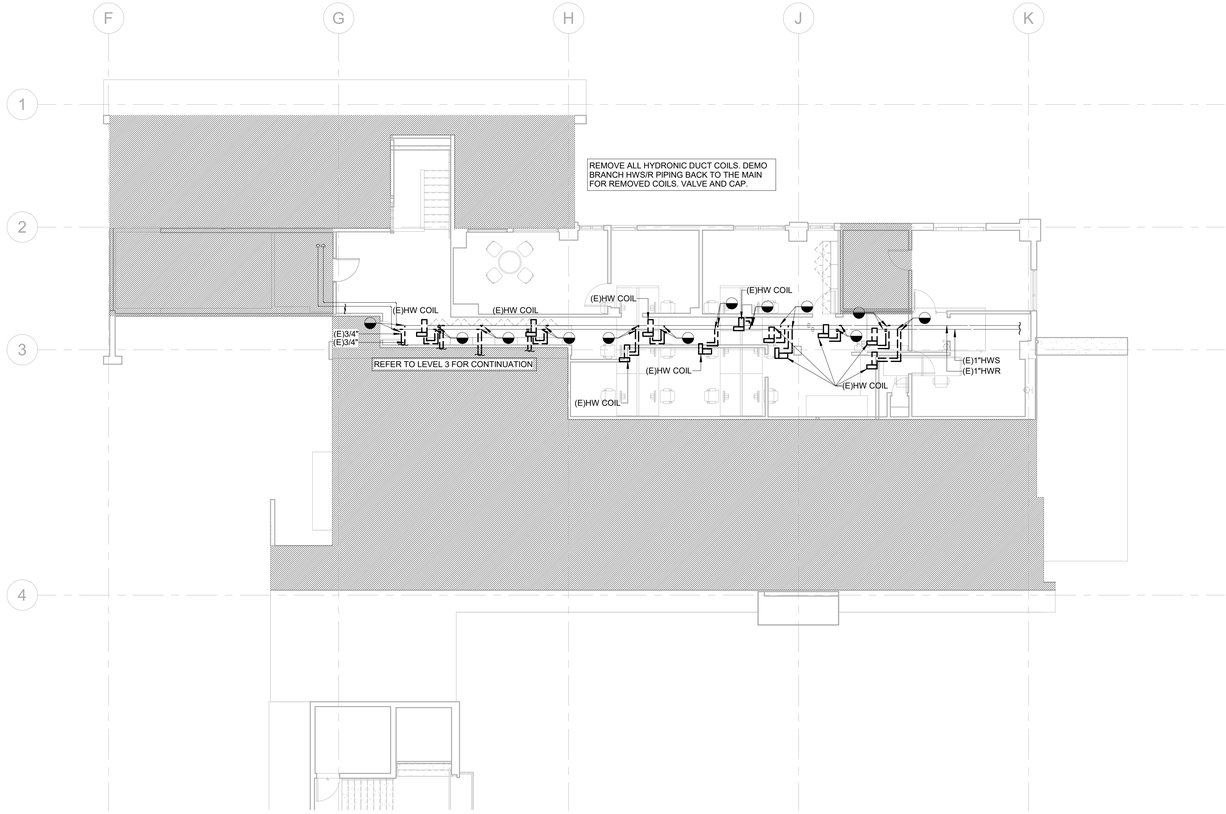
Description
MECHANICAL PIPING DEMOLITION PLAN - A BUILDING LEVEL 02

Scale
1/8" = 1'-0"

DM1.105



1 MECHANICAL PIPING DEMO PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



2 MECHANICAL PIPING DEMO PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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ALTERRA MOUNTAIN COMPANY east west partners
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Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
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Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
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MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
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Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

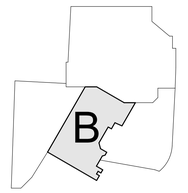
Project Number
003.7835.000

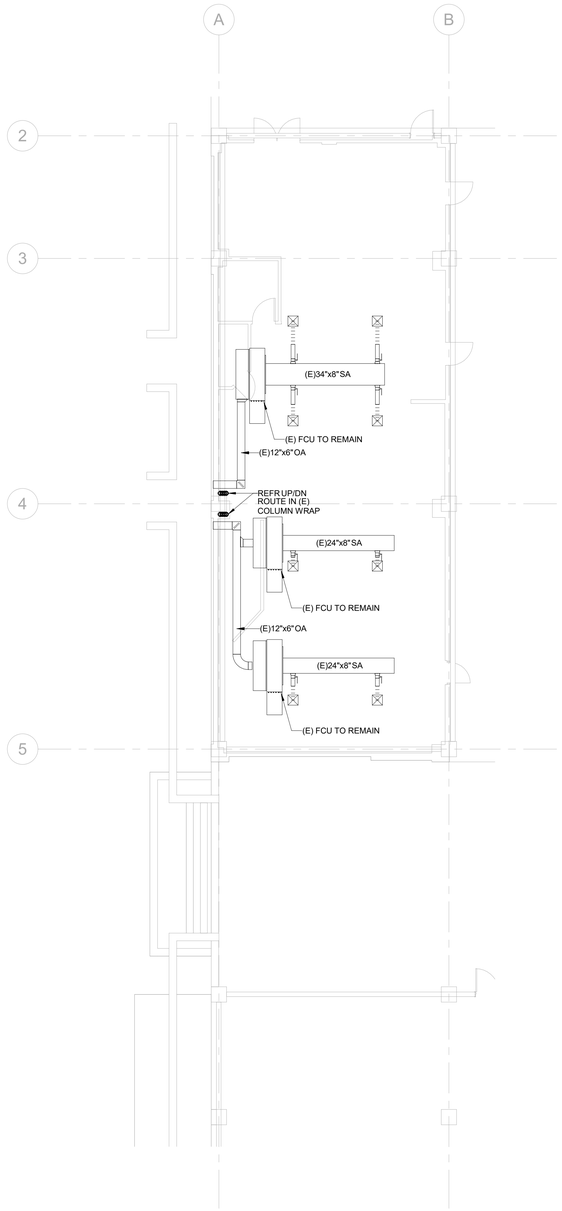
Description
MECHANICAL PIPING DEMOLITION PLAN - A BUILDING LEVEL 03 & 04

Scale
1/8" = 1'-0"

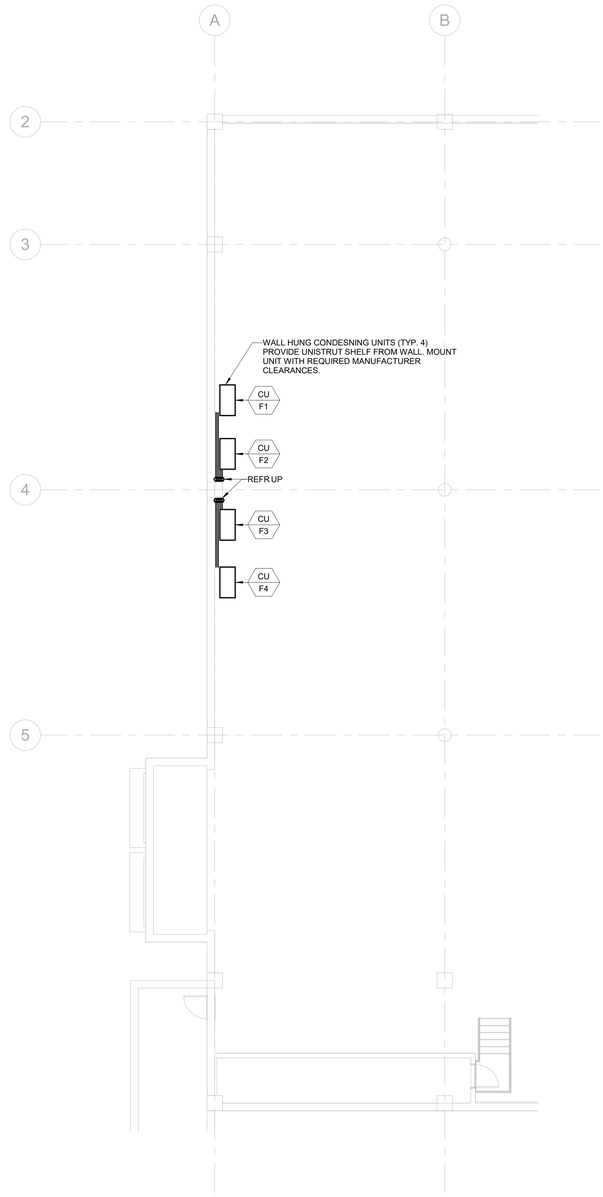
DM1.106

KEY PLAN





2 MECHANICAL PLAN - PLAZA LEVEL - LEVEL 01
SCALE: 1/8" = 1'-0"



1 MECHANICAL PLAN - CHRISTY'S LOWER LEVEL 01
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

3. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF DOWNSTREAM OF VENTILATION FAN.

4. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF FAN UNITS.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS.

6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

7. PROVIDE THROUGH FACE BALANCING FOR ALL DIFFUSERS, REGISTERS, AND GRILLES ABOVE INACCESSIBLE AREAS.

8. INSTALL EXPOSED DUCTWORK AS HIGH AS POSSIBLE.

9. TEMPERATURE CONTROLS CONTRACTOR SHALL SUBMIT PLANS INDICATING ALL SPACE TEMPERATURE SENSORS, T-STATS, ETC. AS PART OF SUBMITTAL PROCESS FOR A/E REVIEW PRIOR TO ROUGH-IN.

10. ALL DUCT/PIPE PENETRATIONS THROUGH FIRE RATED/SMOKE RATED PARTITIONS SHALL BE CAULKED AND SEALED TO MEET THE RATING REQUIRED. REFER TO LIFE SAFETY DRAWINGS FOR FIRE/SMOKE RATING REQUIREMENTS.

11. PROVIDE TURNING VANES IN ALL 90 DEGREE DUCT ELBOWS.

12. PROVIDE ISOLATION VALVES AT EACH BRANCH LINE OFF OF MAINS.

13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMIANL UNITS, UNLESS NOTED OTHERWISE.

14. PROVIDE CONDENSATE DRAIN FROM ALL DX EVAPORATOR COILS TO NEAREST MOP SINK, FLOOR DRAIN, OR APPROVED INDIRECT CONNECTION POINT. PROVIDE CONDENSATE PUMP FOR ALL COOLING UNITS THAT CANNOT BE DRAINED BY GRAVITY TO TERMINATION LOCATION.

KEYNOTES

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

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COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

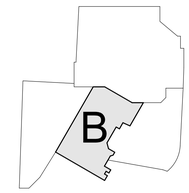
Project Number
003.7835.000

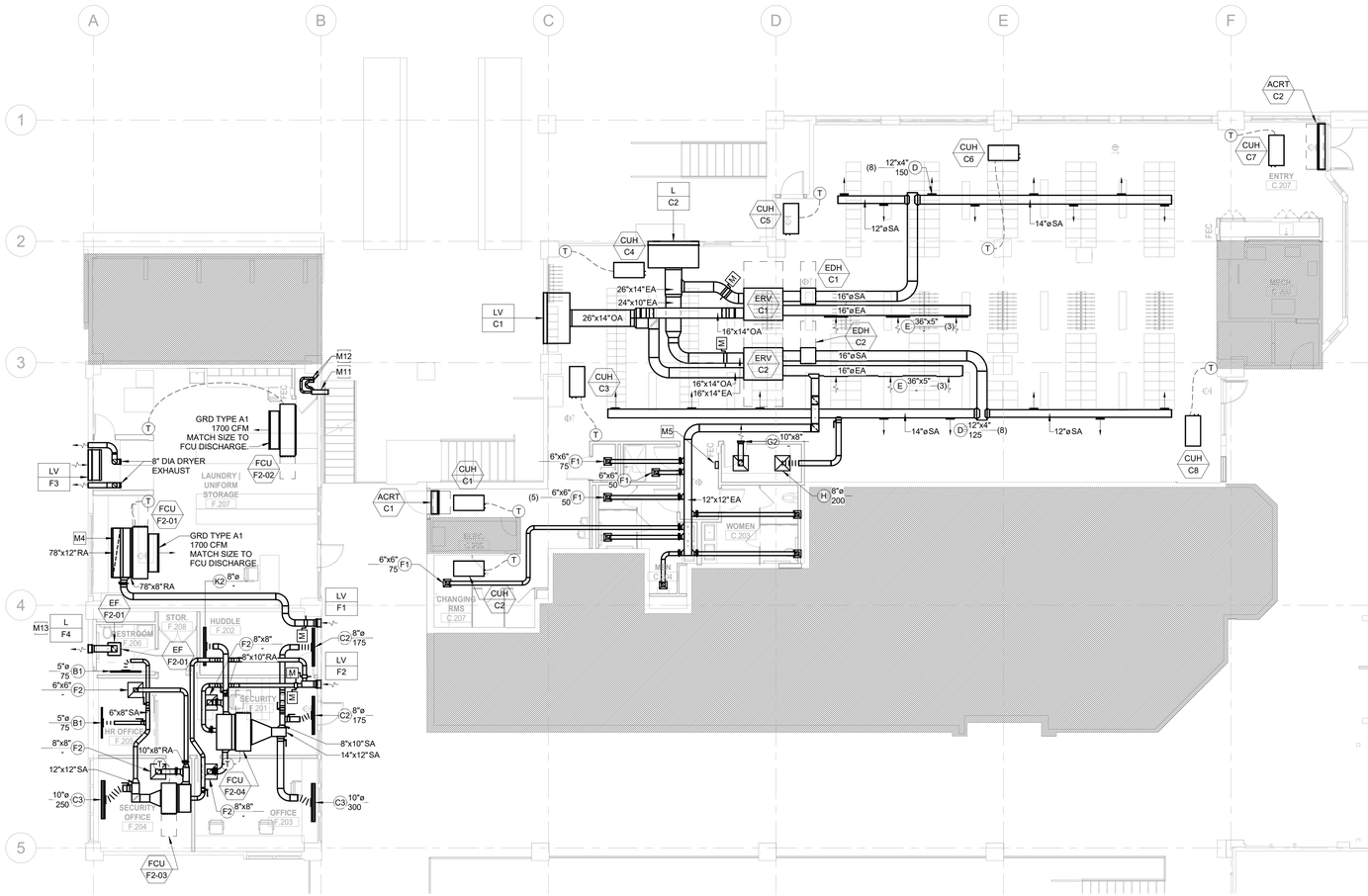
Description
MECHANICAL PLAN - F BUILDING LEVEL 01

Scale
1/8" = 1'-0"

M1.201

KEY PLAN





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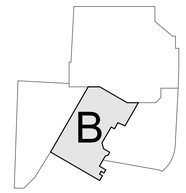
KEYNOTES

M4	PROVIDE BALANCING DAMPER IN VERTICAL SECTION OF RETURN AIR BOOT.
M5	ERV REMOTE CONTROL DISPLAY. RE: CONTROLS DRAWINGS.
M11	CONCENTRIC WATER HEATER VENT.
M12	COMBUSTION AIR AND VENT CONNECTIONS TO GWH
M13	MOUNT LOUVER AS HIGH AS POSSIBLE.

KEY PLAN



1 MECHANICAL PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

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COLORADO LICENSED
MAUREEN E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

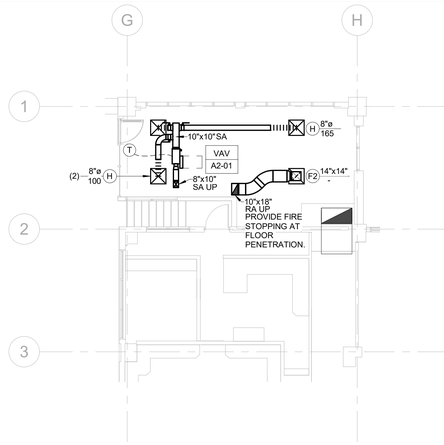
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL PLAN - C & F BUILDING LEVEL 02

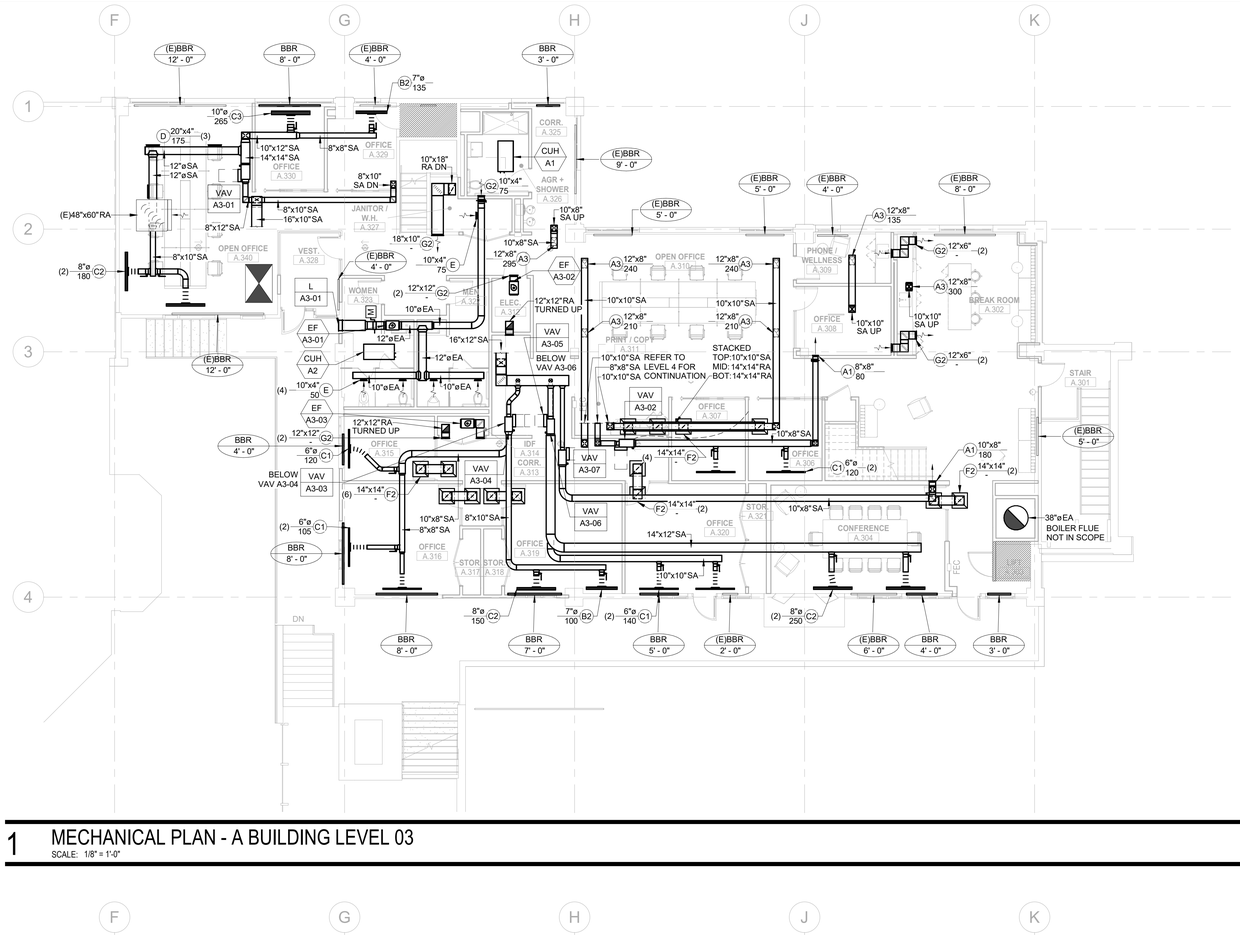
Scale
1/8" = 1'-0"

M1.202



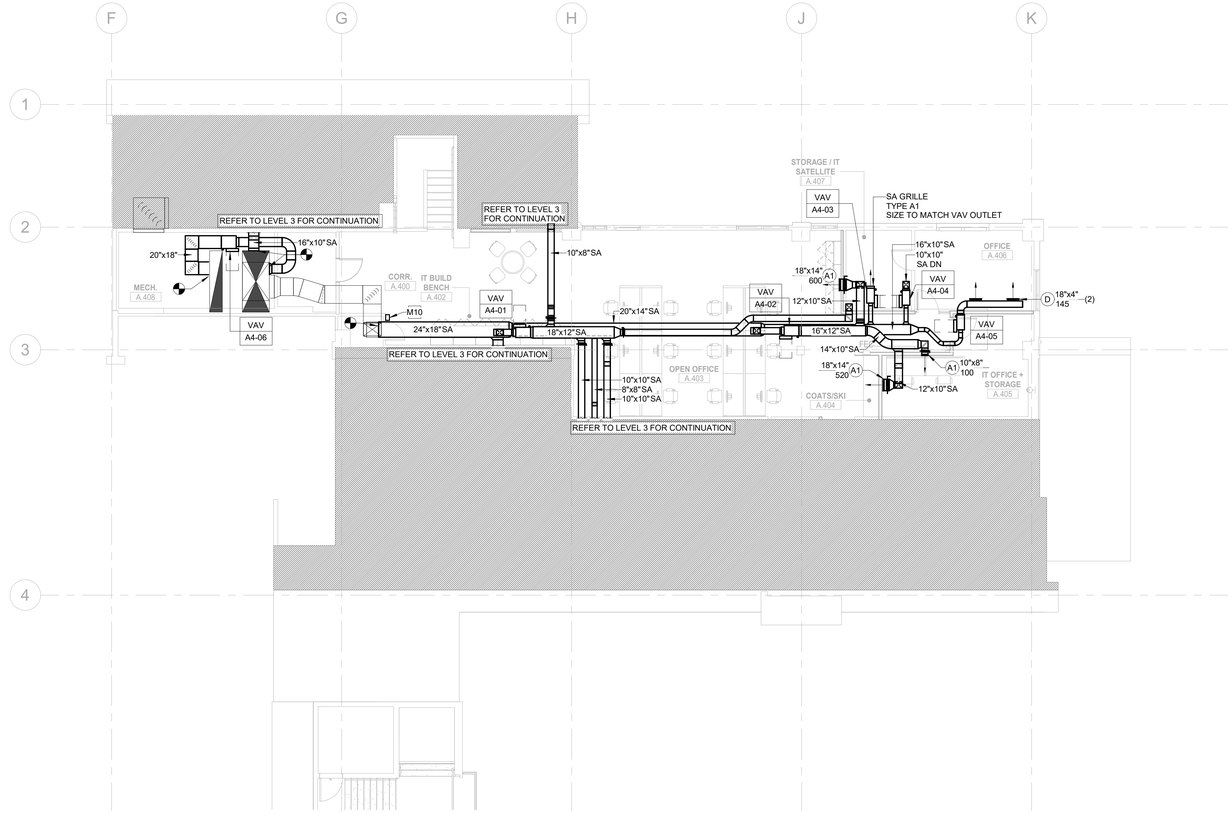
3 MECHANICAL PLAN - A BUILDING LEVEL 02

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



1 MECHANICAL PLAN - A BUILDING LEVEL 03

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



2 MECHANICAL PLAN - A BUILDING LEVEL 04

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

GENERAL NOTES:

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6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

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11. PROVIDE TURNING VANES IN ALL 90 DEGREE DUCT ELBOWS.

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KEYNOTES

M10	BUILDING A TEMPERATURE CONTROL SYSTEM TOUCHSCREEN INTERFACE.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States

Tel 303.595.8585
Fax 303.825.6823

me engineers

14143 Denver West Pkwy
Suite 300
Golden, CO
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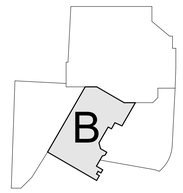
MARTIN/MARTIN CONSULTING ENGINEERS

12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

KEY PLAN



Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

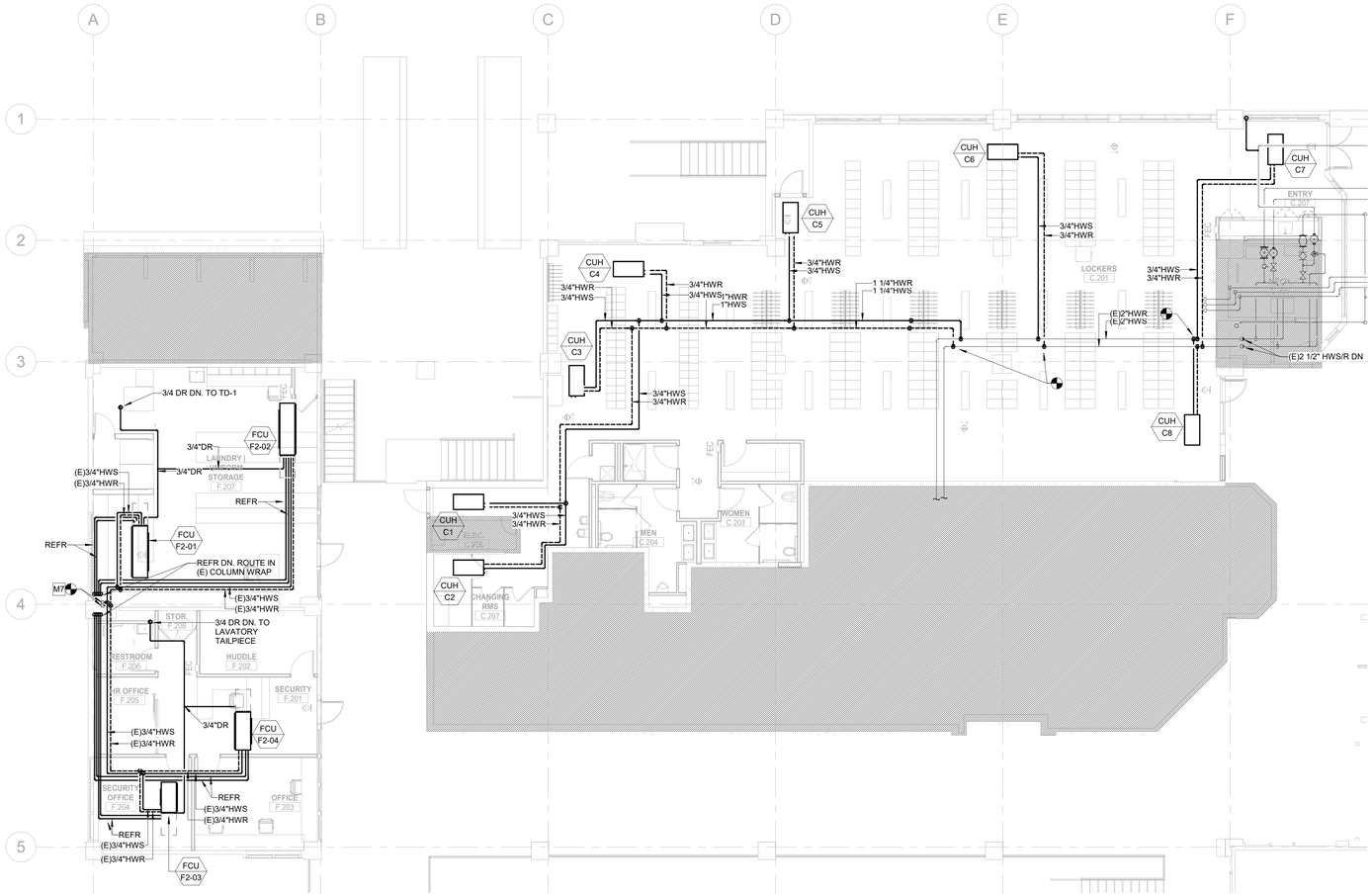
Description

MECHANICAL PLAN - A BUILDING LEVEL 02, 03, & 04

Scale

1/8" = 1'-0"

M1.203



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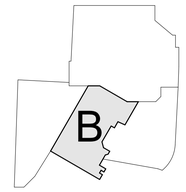
KEYNOTES

M7	CONNECT TO EXISTING 3/4" HWS/R.

KEY PLAN



1 MECHANICAL PIPING PLAN - C & F BUILDING LEVEL 02

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

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

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RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MARWIN E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

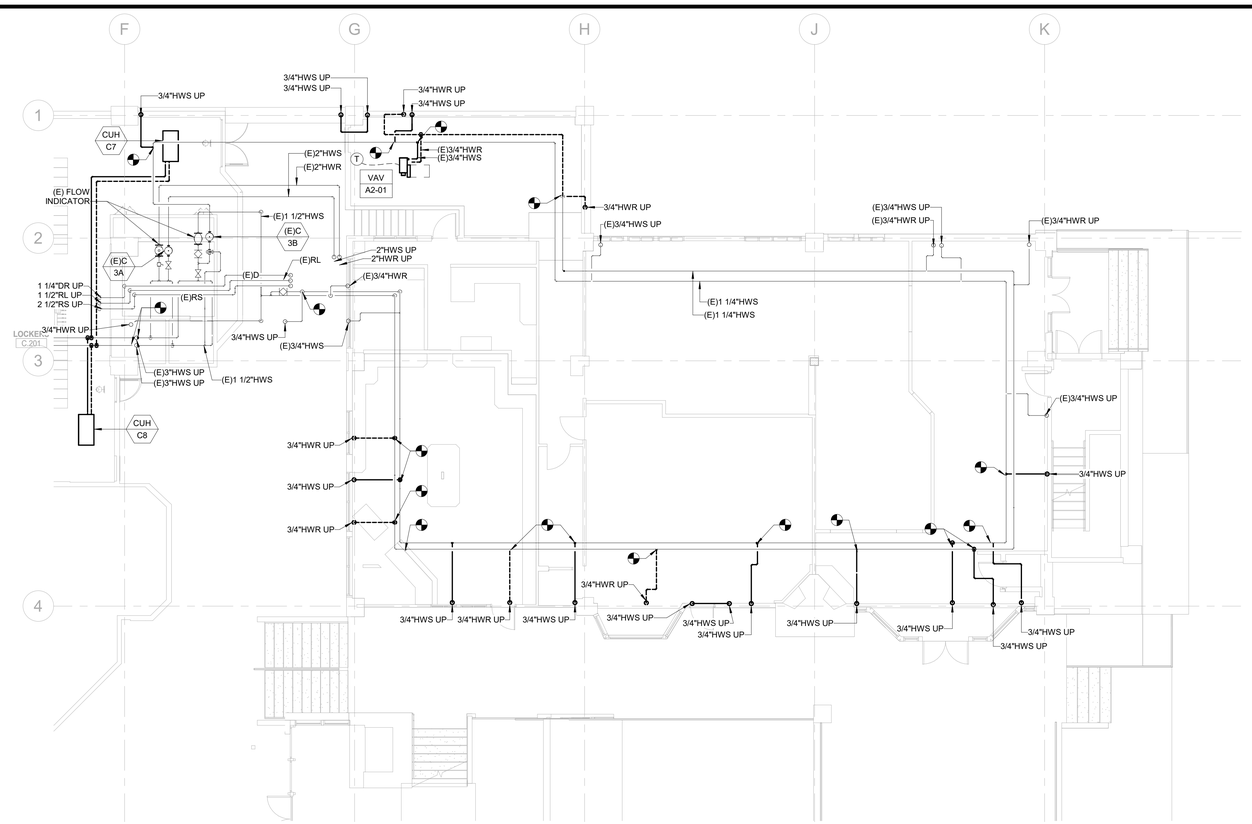
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL PIPING PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

M1.302



1 MECHANICAL PIPING PLAN - A BUILDING LEVEL 02

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

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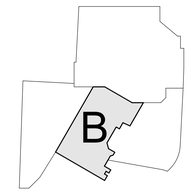
KEYNOTES

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

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Steamboat Springs, CO 80487

Gensler

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Suite 150
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COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

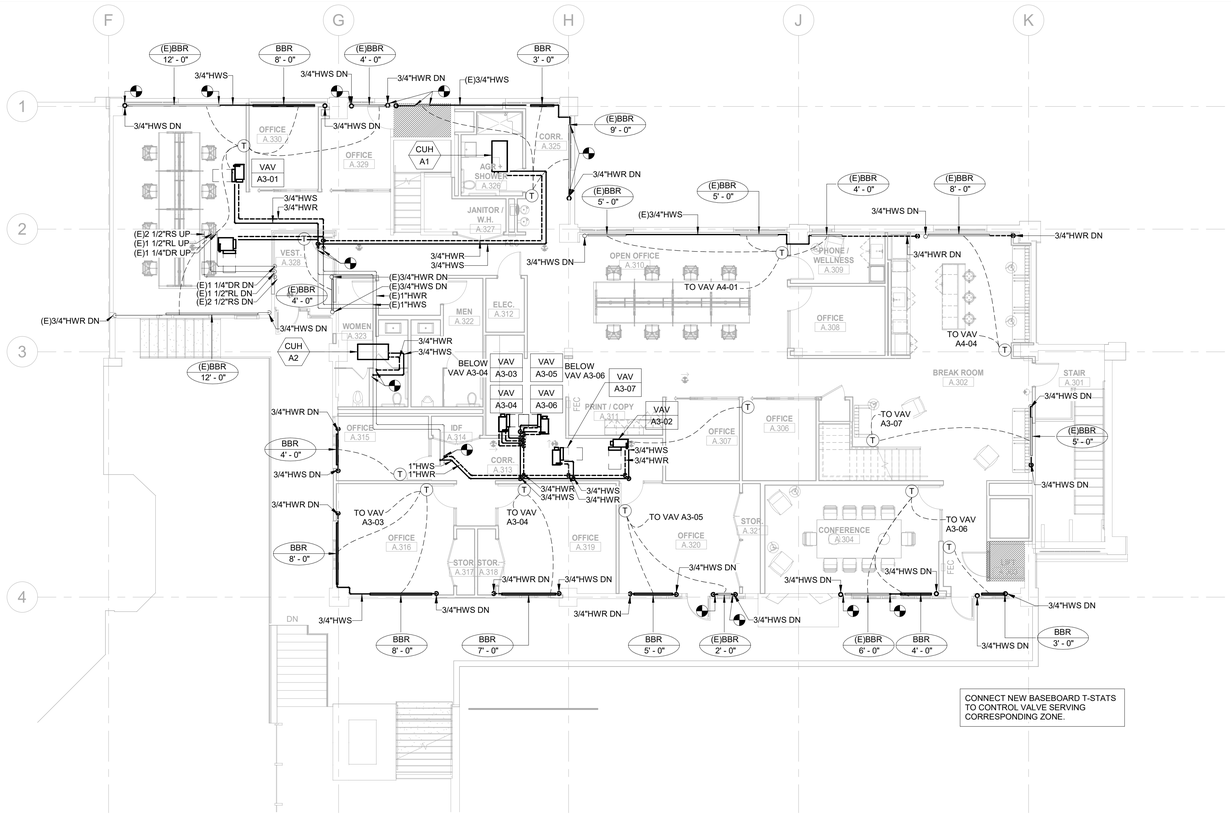
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL PIPING PLAN - A BUILDING LEVEL 02

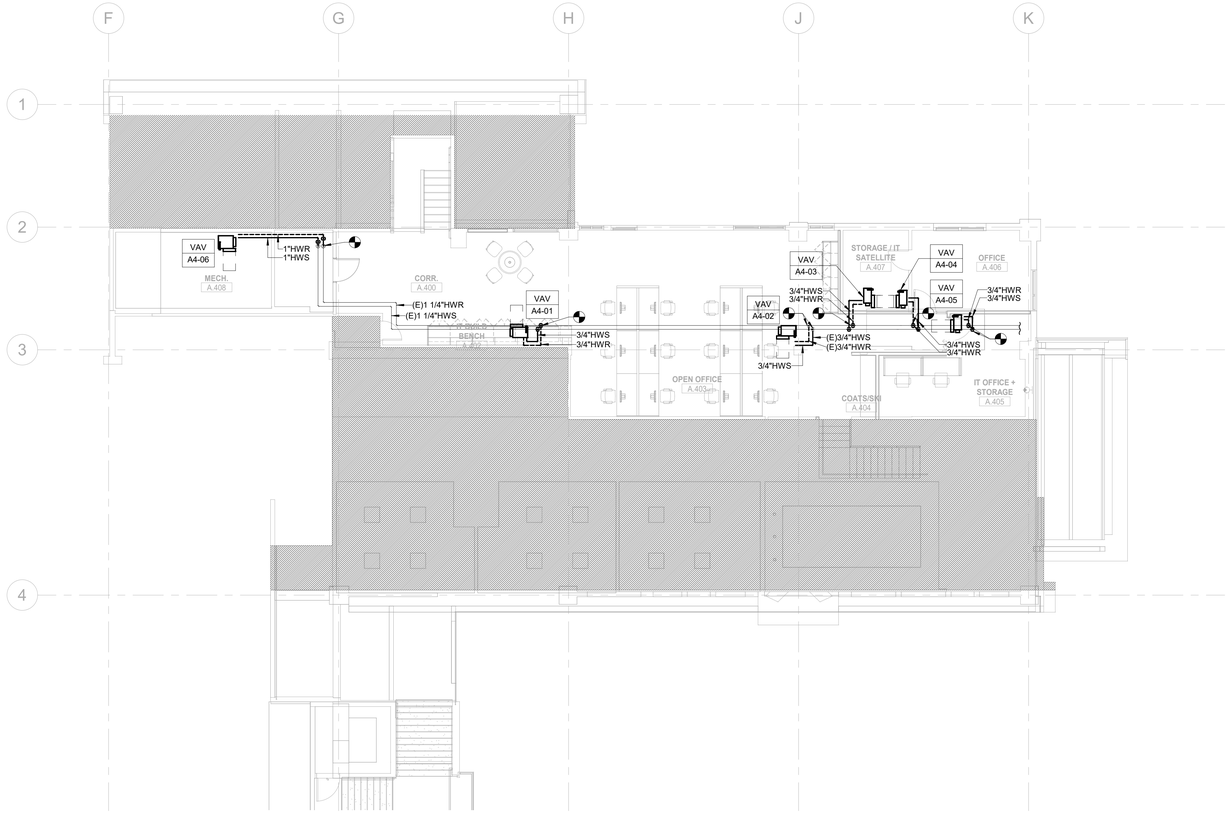
Scale
1/8" = 1'-0"

M1.303



1 MECHANICAL PIPING PLAN - A BUILDING LEVEL 03

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



2 MECHANICAL PIPING PLAN - A BUILDING LEVEL 04

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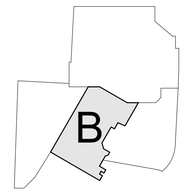
KEYNOTES

KEY PLAN



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Steamboat Springs, CO 80487

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Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER

05/20/2021

Project Name

Steamboat Base Village Redevelopment

Project Number

003.7835.000

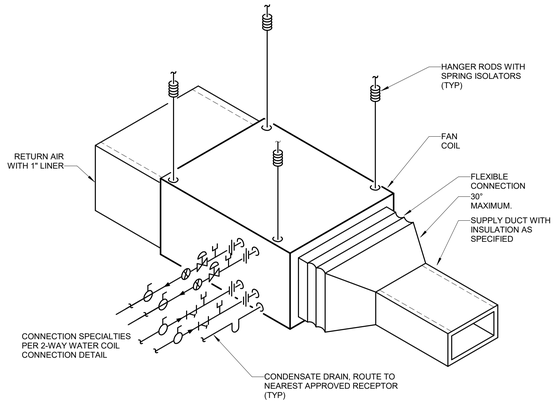
Description

MECHANICAL PIPING PLAN - A BUILDING LEVEL 03 & 04

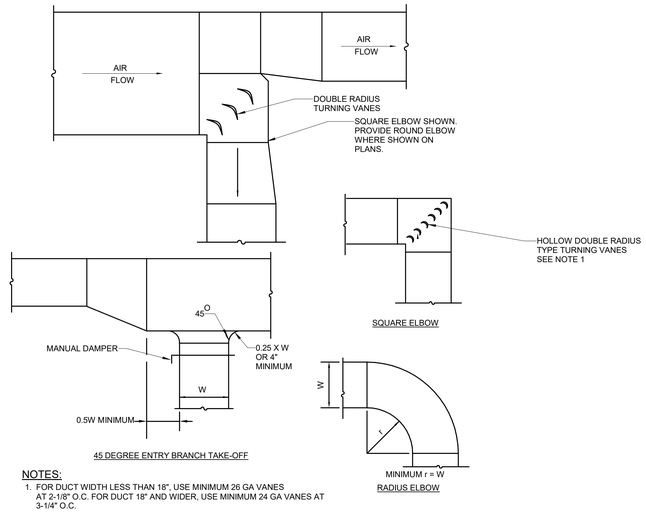
Scale

1/8" = 1'-0"

M1.304

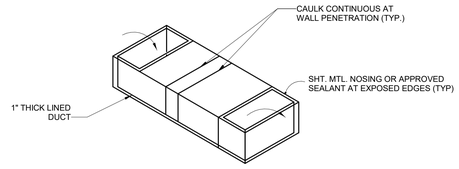


5 FAN COIL DETAIL-GSQ
NO SCALE



NOTES:
1. FOR DUCT WIDTH LESS THAN 18", USE MINIMUM 26 GA VANES AT 2-1/8" O.C. FOR DUCT 18" AND WIDER, USE MINIMUM 24 GA VANES AT 3-1/4" O.C.
2. FITTINGS TO BE 2 GAGES HEAVIER THAN CONNECTED DUCT.

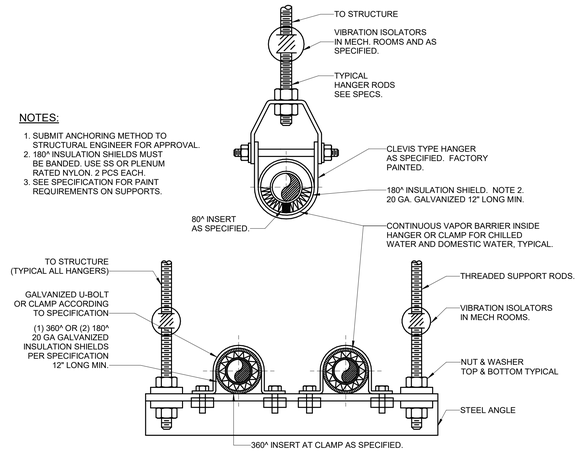
12 RECTANGULAR DUCT FITTINGS AND TAKE-OFF-GSQ
NO SCALE



RETURN AIR TRANSFER BOOT

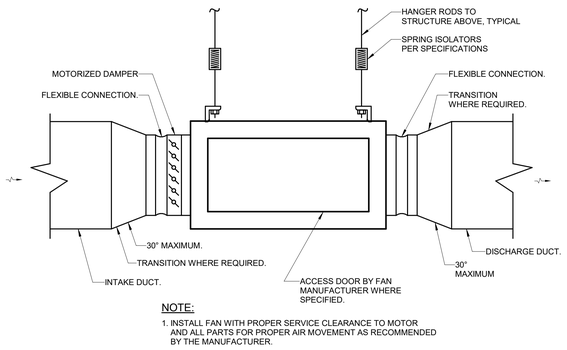
TRANSFER AIR DUCT

14 RETURN AIR TRANSFER BOOT AND AIR DUCT-GSQ
NO SCALE



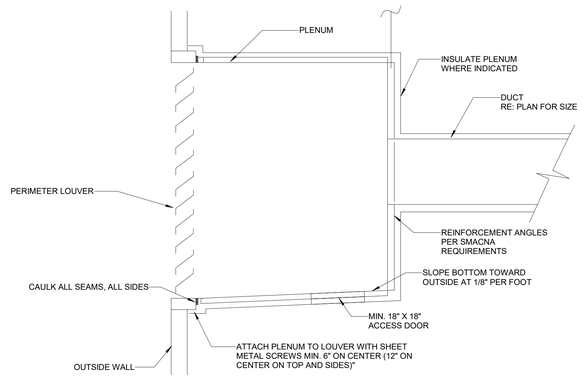
NOTES:
1. SUBMIT ANCHORING METHOD TO STRUCTURAL ENGINEER FOR APPROVAL.
2. 180° INSULATION SHIELDS MUST BE BANDED. USE SS OR PLENUM RATED NYLON. 2 PCS EACH.
3. SEE SPECIFICATION FOR PAINT REQUIREMENTS ON SUPPORTS.

15 TYPICAL PIPE HANGER DETAIL-GSQ
NO SCALE



NOTE:
1. INSTALL FAN WITH PROPER SERVICE CLEARANCE TO MOTOR AND ALL PARTS FOR PROPER AIR MOVEMENT AS RECOMMENDED BY THE MANUFACTURER.

10 INLINE FAN DETAIL-GSQ
NO SCALE



4 EXTERIOR LOUVER PLENUM BOX DETAIL-GSQ
NO SCALE

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ALTERRA MOUNTAIN COMPANY east west partners
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Gensler
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COLORADO LICENSED MARIEN E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
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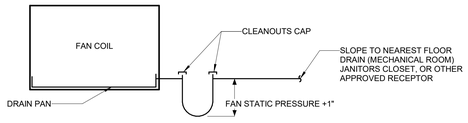
Project Number
003.7835.000

Description
MECHANICAL DETAILS

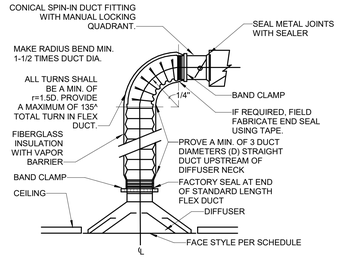
Scale
NO SCALE

M8.000



NOTE:
1. INSULATE CONDENSATE DRAIN WHEN ABOVE CEILINGS.

9 FAN COIL UNIT CONDENSATE DRAIN DETAIL-GSQ
NO SCALE



5 CEILING DIFFUSER DETAIL-GSQ
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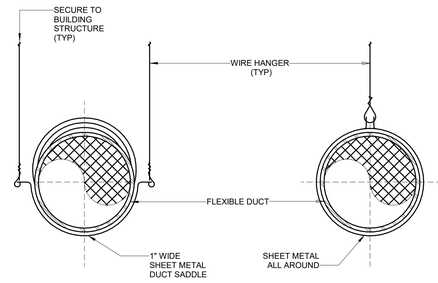
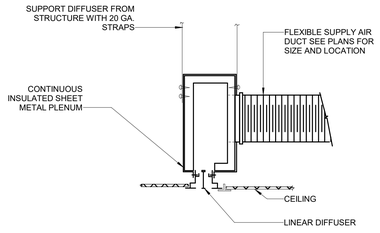
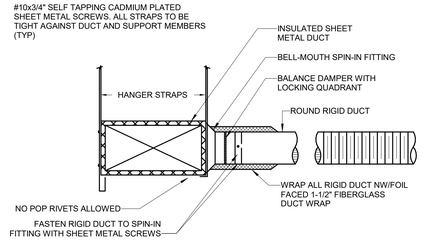


NOTE:
1. SUPPORT AT 3' MAX.

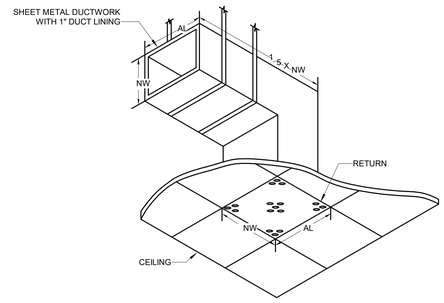
1 FLEXIBLE DUCT SUPPORT-GSQ
NO SCALE



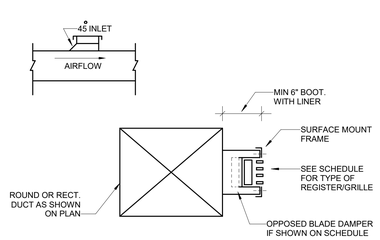
10 LINEAR DIFFUSER AND PLENUM DETAIL-GSQ
NO SCALE



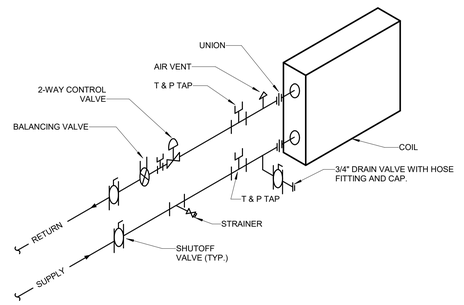
6 FLEX DUCT/ SPIN-IN FITTING DETAIL-GSQ
NO SCALE



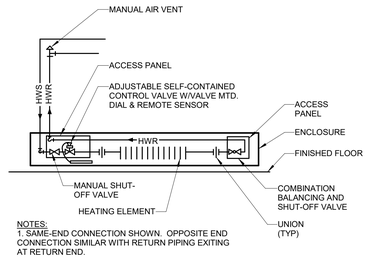
2 RETURN AIR BOOT DETAIL-GSQ
NO SCALE



7 DUCT MOUNTED AIR DEVICE DETAIL-GSQ
NO SCALE

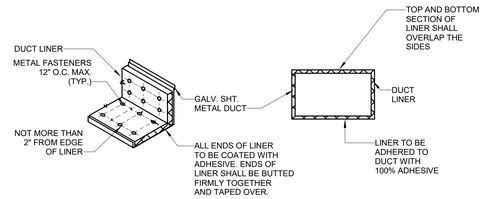


3 TYPICAL WATER COIL CONNECTION DETAIL (2 WAY CONTROL)-GSQ
NO SCALE



NOTES:
1. SAME-END CONNECTION SHOWN. OPPOSITE END CONNECTION SIMILAR WITH RETURN PIPING EXITING AT RETURN END.

8 HOT WATER BASEBOARD DETAIL-GSQ
NO SCALE



4 DUCT LINER DETAIL-GSQ
NO SCALE

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL DETAILS

Scale
NOT TO SCALE

M8.001

ROOFTOP UNIT SCHEDULE

CODE	AREA SERVED	LOCATION	MANUFACTURER/ MODEL NO.	SUPPLY FAN CFM	SUPPLY FAN TSP "W.C. (ALT.)	SUPPLY FAN ESP "W.C. (ALT.)	SUPPLY FAN HP	MIN. OSA (CFM)	COOLING CAPACITY (AIR-COOLED DX) EAT (°F) DB	EAT (°F) WB	UNIT LAT (°F) DB	TOTAL MBH	SENS MBH	EER	FILTER TYPE	ELECTRICAL VOLT	PH	MCA	MOP	WEIGHT (LBS)	REMARKS
(E)RTU-1	BUILDING A	ROOF	TRANE TSD210F4R0	5,600	1.18	1	5	1,000	80.0	62.0	55.2	167	116	11.0	2" PANEL	460	3	43	60	2,500	

GENERAL NOTES:
1. UNIT IS EXISTING TO REMAIN.
2. UNIT SHALL BE MODIFIED TO INCLUDE AN APR CONTROL VALVE ON THE LEAD COMPRESSOR CIRCUIT FOR TURNDOWN TO 4.5 TONS AT THE LOWEST STEP. ENGAGE OEM MANUFACTURER'S AUTHORIZED TECHNICIAN TO PERFORM MODIFICATION WORK.

ENERGY RECOVERY VENTILATOR SCHEDULE

CODE (ERV)	AREA SERVED	MANUFACTURER/ MODEL NO.	SUPPLY FAN MAX CFM	SUPPLY FAN ESP "W.C. (ALT.)	SUPPLY FAN HP	EXHAUST FAN MAX CFM	EXHAUST FAN ESP "W.C. (ALT.)	EXHAUST FAN HP	FILTERS TYPE	FILTERS APD "W.C.	HEATING (ELEC. PREHEAT) EAT (°F)	LAT (°F)	HTG. CAP. (KW)	HEAT RECOVERY COOLING OSA EAT (F) DB	WB	EXH EAT (F) DB	WB	OSA LAT (F) DB	WB	TOT. EFF.	HEATING OSA EAT (F) DB	WB	EXH EAT (F) DB	WB	OSA LAT (F) DB	WB	TOT. EFF	ELECTRICAL VOLT	PH	MCA	DISC.	FUSE	FEEDER	WEIGHT LBS	REMARKS
C1	BUILDING C LOCKER	GREENHECK / ERV-20-15L	1,200	0.75	3/4	1,200	0.75	3/4	MERV 8	0.06	-10.0	5.8	5.0	88.0	57.0	85.9	56.3	77.0	60.6	78.3%	5.8	2.1	16.7	14.2	60.0	47.7	85.3%	480	3	13.1	30A/3P	20A...	(3#12, #12G) 3/4"C	900	A,B
C2	BUILDING C LOCKER	GREENHECK / ERV-20-15L	1,200	0.75	3/4	1,200	0.75	3/4	MERV 8	0.06	-10.0	5.8	5.0	88.0	57.0	85.9	56.3	77.0	60.6	78.3%	5.8	2.1	16.7	14.2	60.0	47.7	85.3%	480	3	13.1	30A/3P	20A...	(3#12, #12G) 3/4"C	900	A,B

GENERAL NOTES:
1. INSTALL UNITS WITH ADEQUATE CLEARANCE FOR COIL PULL, FILTER REPLACEMENT AND TO FULLY OPEN ACCESS DOORS.
2. PROVIDE A MINIMUM OF 3 FEET CLEARANCE IN FRONT OF DISCONNECTS SWITCHES AND CONTROL PANELS. COMPLY FULLY WITH NEC.
3. UNIT STATIC PRESSURE CAPABILITY SHALL INCLUDE SCHEDULED EXTERNAL STATIC PRESSURE PLUS ALL SCHEDULED INTERNAL PRESSURE DROPS.
4. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE OF 6700 FT.
5. MAXIMUM WHEEL AND FILTER FACE VELOCITY = 500 FPM
6. REFER TO MECHANICAL CONTROLS DRAWINGS.

REMARKS:
A. 100% OUTSIDE AIR UNIT.
B. SERVED BY (2) PERIMETER MECHANICAL LOUVERS. SEE LOUVER SCHEDULE.

AIR CURTAIN SCHEDULE

CODE (ACRT)	MANUFACTURER/ MODEL NO.	SERVICE	LOCATION	TYPE	CFM	ELECTRICAL HP	VOLT	PH	FLA	DISC.	FUSE	FEEDER	WEIGHT (LBS)
C1	MARS / STD2 36	ENTRY DOOR	BUILDING C LOCEKER	AMBIENT	1350	1/2	115	1	5.1	$.T.O.	-	(2#12,#12G) 3/4"C	70
C2	MARS / STD2 72	ENTRY DOOR	BUILDING C LOCEKER	AMBIENT	2700	1/2 (x2)	115	1	10.2	$.T.O.	-	(2#12,#12G) 3/4"C	130

GENERAL NOTES:
1. PROVIDE DOOR SWITCH. RE: CONTROL DIAGRAMS.

ELECTRIC DUCT HEATER

CODE (EDH)	AREA SERVED	MANUFACTURER/ MODEL NO.	OSA CFM	HEATING COIL EAT	LAT	KW	CONTROL	ELECTRICAL V	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
C1	BUILDING C	INDEECO QUA	1200	58.0	75.0	5.3	SCR	480	3	6.4	15A FRS-RK	30A/3P	(3#12,#12G) 3/4"C	A,B
C2	BUILDING C	INDEECO QUA	1200	58.0	75.0	5.3	SCR	480	3	6.4	15A FRS-RK	30A/3P	(3#12,#12G) 3/4"C	A,B

GENERAL NOTES
1. MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING ALL UL LISTING REQUIREMENTS.

REMARK NOTES
A. PROVIDE LINE VOLTAGE DUCT MOUNTED THERMOSTAT DOWNSTREAM OF HEATER.
B. INTERLOCK HEATER WITH ERV SERVING SAME AREA.

MECHANICAL LOUVER SCHEDULE

CODE (L)	MANUFACTURER / MODEL	SERVICE	LOCATION	AIRFLOW	VELOCITY	MINIMUM FREE AREA (SF)	FACE SIZE WIDTH (IN)	FACE SIZE HEIGHT (IN)	PLENUM BOX DEPTH	REMARKS
A1	RUSKIN / ELF6375DX	EF A3-01	BUILDING A	350	500	0.7	16	14	3'-0"	A,B
C1	RUSKIN / ELF6375DX	ERV-C1	BUILDING C	2400	500	4.8	80	18	3'-0"	A,B
C2	RUSKIN / ELF6375DX	ERV-C2	BUILDING C	2400	500	4.8	80	18	3'-0"	A,B
F1	RUSKIN / ELF6375DX	FCU-F1/F2	BUILDING F	200	500	0.4	12	12	3'-0"	A,B
F2	RUSKIN / ELF6375DX	FCU-F3/F4	BUILDING F	150	500	0.3	12	12	3'-0"	A,B
F3	RUSKIN / ELF6375DX	LAUNDRY MAKE-UP	BUILDING F	1600	500	3.2	48	20	1'-0"	A,B
F4	RUSKIN / ELF6375DX	RR EXHAUST	BUILDING F	100	500	0.2	12	12	3'-0"	A,B

GENERAL NOTES
1. LOUVERS SCHEDULED HERE ARE CONNECTED TO MECHANICAL SYSTEMS.

REMARK NOTES
A. PROVIDE INSULATED PLENUM. SLOPE BASE OF PLENUM TO DRAIN WATER OUT THROUGH LOUVER FACE. RE: MECHANICAL DETAILS.
B. PROVIDE BIRD SCREEN.

GRILLE REGISTER DIFFUSER SCHEDULE

CODE	MANUFACTURER/ MODEL NO.	SERVICE	TYPE	ACCESSORIES	FACE SIZE	REMARKS
A1	PRICE / 520	SUPPLY	LOUVERED		NECK +2"	
A2	PRICE / 620	SUPPLY	LOUVERED		NECK +2"	A
A3	PRICE / 510	SUPPLY	DOUBLE DEFLECTION		NECK +2"	
B1	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(1) 1" SLOT, 48" LENGTH	
B2	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(2) 1" SLOT, 48" LENGTH	
B3	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(3) 1" SLOT, 48" LENGTH	
C1	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(1) 1" SLOT, 60" LENGTH	
C2	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(2) 1" SLOT, 60" LENGTH	
C3	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(3) 1" SLOT, 60" LENGTH	
D	PRICE / SDGE	SUPPLY	SPIRAL MOUNT	AIR SCOOP		A
E	PRICE / SDGE	EXHAUST/RETURN	SPIRAL MOUNT	PERFORATED, AIR SCOOP		A
F1	PRICE / PDDR	EXHAUST/RETURN	PERFORATED		12"x12"	
F2	PRICE / PDDR	EXHAUST/RETURN	PERFORATED		24"x24"	
G1	PRICE / 510	EXHAUST/RETURN	LOUVERED		SEE PLANS	
G2	PRICE / 530	EXHAUST/RETURN	LOUVERED		SEE PLANS	
H	PRICE / SPD	SUPPLY	SQUARE CEILING		24"x24"	
J1	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(1) 1" SLOT, 48" LENGTH	
J2	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(2) 1" SLOT, 48" LENGTH	
J3	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(3) 1" SLOT, 48" LENGTH	
K1	PRICE / SDR	RETURN	LINEAR SLOT	60" FACTORY PLENUM	(1) 1" SLOT, 60" LENGTH	
K2	PRICE / SDR	RETURN	LINEAR SLOT	60" FACTORY PLENUM	(2) 1" SLOT, 60" LENGTH	
K3	PRICE / SDR	RETURN	LINEAR SLOT	60" FACTORY PLENUM	(3) 1" SLOT, 60" LENGTH	

GENERAL NOTES:
1. NOT ALL GRD TYPES LISTED ON SCHEDULE MAY APPLY.
2. SEE PLANS FOR CFM AND NECK SIZE.
3. MAXIMUM NOISE CRITERIA (NC) SHALL BE 30 UNLESS OTHERWISE NOTED.
4. COLOR TO BE COORDINATED WITH ARCHITECT.
5. MATERIAL IS STEEL UNLESS OTHERWISE NOTED.
6. PROVIDE A REMOTE, THROUGH FACE, CABLE OPERATED BALANCING DAMPER WHEN INSTALLED IN AN INACCESSIBLE CEILING.
7. PROVIDE FRAME AND TRIM COMPATIBLE WITH CEILING SYSTEM. RE: ARCHITECTURAL RCP DRAWINGS.
8. PROVIDE SQUARE TO ROUND ADAPTER FOR RECTANGULAR FACE GRILLES CONNECTED TO ROUND BRANCH DUCTS.

REMARK NOTES:
A. ALUMINUM CONSTRUCTION.

ENVIRONMENTAL FAN SCHEDULE

CODE (EF)	MANUFACTURER/ MODEL NO.	SERVICE	LOCATION	TYPE	CFM	ESP "W.C. (ALT.)	DRIVE	ELECTRICAL HP	VOLT	PH	FLA	DISC.	FUSE	FEEDER	MTG	CTRL	REMARKS
A3-01	GREENHECK / CSP-A510-VG	RESTROOM EXHAUST	BUILDING A LEVEL 3	INLINE	350	.5	D	0.17	115	1	2.45	$.T.O.	--	(2#12, #12G) 3/4"C	1	I	
A3-02	GREENHECK / SP-A780	ELEC	LEVEL 2	INLINE	500	.5	D	0.06	115	1	3.3	$.T.O.	--	(2#12, #12G) 3/4"C	1	II	
A3-03	GREENHECK / SP-A780	ELEC	LEVEL 2	INLINE	500	.5	D	0.06	115	1	3.3	$.T.O.	--	(2#12, #12G) 3/4"C	1	II	
F2-01	PANASONIC / WHISPERCEILING	RESTROOM EXHAUST	BUILDING F LEVEL 2	CEILING	100	.5	D	0.01	115	1	.27	$.T.O.	--	(2#12, #12G) 3/4"C		III	A

GENERAL NOTES:
1. DRIVE TYPE: D = DIRECT-PROVIDE RHEOSTAT SPEED CONTROLLER IN FAN HOUSING.
2. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR OPERATION AT JOB SITE ELEVATION. JOB SITE ELEVATION = 6,700 FT.

MOUNTING (MTG):
1. INSTALL FAN WITH FLEXIBLE CONNECTIONS AT DUCT INLET AND OUTLET AND WITH HANGING VIBRATION ISOLATORS.

CONTROL (CTRL):
I. INTERLOCKROOFTOP UNIT SERVING SAME AREA. RE: MECHANICAL CONTROLS DRAWINGS.
II. CONTROL VIA WALL SENSOR-ENERGIZE AT 75˚F (ADJUSTABLE).
III. INTERLOCK FAN WITH FCU F2-03. RE: MECHANICAL CONTROLS DRAWINGS.

REMARK NOTES
A. PROVIDE INTEGRAL BACKDRAFT DAMPER. PROVIDE 1.5" EXTERNAL DUCT WRAP ON EXHAUST DUCT TO PERIMETER LOUVER.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
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Seal / Signature

COLORADO LICENSED
MAUREN E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL SCHEDULES

Scale

MEP0.000

FAN COIL SCHEDULE (HYDRONIC/DX)

CODE (FCU)	MANUFACTURER/ MODEL NO.	AREA SERVED	FAN CFM	FAN OA CFM	FAN ESP (IN.)	DX COOLING COIL EAT (°F) DB	DX COOLING COIL EAT (°F) WB	DX COOLING COIL TOTAL MBH	DX COOLING COIL SENS MBH	HEATING COIL EAT (°F)	HEATING COIL MBH	HEATING COIL GPM	HEATING COIL WPD (FT)	ELECTRICAL HP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL FUSE	ELECTRICAL DISCON.	ELECTRICAL FEEDER	CONDENSING UNIT CODE	MANUFACTURER / MODEL NO.	CAPACITY (MBH)	ELECTRICAL - CONDENSING UNIT VOLT	PH	MCA	FUSE	DISCON.	FEEDER	E-POWER	REMARKS
F2-01	TRANE / FCCB080	BUILDING F LAUNDRY	700	200	0.35	78.7	53.9	14.4	13.9	48.6	18.7	1.3	1.0	0.22	208	1	2.25	5A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	F1	TRANE / 4TTR6018J	14.4	208	1	12	15A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	N	B
F2-02	TRANE / FCCB080	BUILDING F LAUNDRY	700	0	0.35	75.0	52.5	12.1	11.7	72.0	5.0	0.4	0.5	0.22	208	1	2.25	5A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	F2	TRANE / 4TTR6018J	12.1	208	1	12	15A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	N	A
F2-03	TRANE / FCCB060	BUILDING F SECURITY OFFICES	400	50	.5	76.6	53.1	7.5	7.3	58.8	8.1	0.6	1.0	0.22	208	1	2.25	5A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	F3	TRANE / 4TTR6018J	7.5	208	1	12	15A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	N	B
F2-04	TRANE / FCCB080	BUILDING F SECURITY OFFICES	650	100	.5	77.0	53.3	12.4	12.0	54.0	13.7	1.0	0.9	0.22	208	1	2.25	5A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	F4	TRANE / 4TTR6018J	12.4	208	1	12	15A FRN-RK	30A/3P	(3#12, #12G) 3/4"C	N	B

GENERAL NOTES:
1. HEATING WATER: EWT = 150˚F, LWT = 130˚F, 30% PROPYLENE GLYCOL.
2. PROVIDE 1" MERV 8 FILTERS.
3. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR OPERATION AT JOBSITE ELEVATION. JOB SITE ELEVATION = 6700 FT.
4. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER MENA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

REMARKS:
A. PROVIDE ENCLOSURE WITH BOTTOM RETURN AND FRONT DISCHARGE.
B. PROVIDE BACK RETURN WITH LINED RETURN DUCT. PROVIDE BALANCING DAMPER UPSTREAM OF OA CONNECTION.

BASEBOARD RADIATION SCHEDULE (HYDRONIC)

CODE	MANUFACTURER/ MODEL NO.	CAPACITY (BTUH/LF)	GPM/FT	ROWS
BBR	SIGMA / SWE-06T	350	0.1	1

GENERAL NOTES:
1. EWT= 150 ˚F, LWT= 130 ˚F, 30% PROPYLENE GLYCOL.
2. REFER TO PLANS FOR ACTIVE FINNED LENGTH. MINIMUM FLOW FOR CIRCUIT IS 1 GPM.
3. PROVIDE WALL TO WALL ENCLOSURE UNLESS OTHERWISE NOTED.
4. ENCLOSURE COLOR SELECTED BY ARCHITECT.
5. TUBE MATERIAL IS COPPER, FIN MATERIAL ALUMINUM UNLESS OTHERWISE NOTED.

VAV BOX SCHEDULE (HYDRONIC)

CODE	AREA SERVED	MANUFACTURER/ MODEL NO.	DESIGN PRIMARY AIRFLOW COOLING MAX	DESIGN PRIMARY AIRFLOW HEATING MAX	DESIGN PRIMARY AIRFLOW DESIGN MIN	HEATING COIL EAT (F)	HEATING COIL LAT (F)	HEATING COIL COIL (MBH)	HEATING COIL ROWS	HEATING COIL GPM	HEATING COIL APD "W.C.	HEATING COIL WPD FT	MAX RADIATED NC LEVEL	INLET (DIA.)	OUTLET SIZE	REMARKS
VAV - A2-01	SEE PLANS	PRICE SDV 6	365	300	300	53	90	9.3	1	1.0	0.09	0.65	30	6	12 X 8	
VAV - A3-01	SEE PLANS	PRICE SDV 10	880	545	545	53	90	16.8	1	1.8	0.28	2.66	30	10	14 X 12.5	
VAV - A3-02	SEE PLANS	PRICE SDV 6	320	200	200	53	90	6.2	1	0.7	0.07	0.35	30	6	12 X 8	
VAV - A3-03	SEE PLANS	PRICE SDV 6	330	270	270	53	90	8.3	1	0.9	0.07	0.54	30	6	12 X 8	
VAV - A3-04	SEE PLANS	PRICE SDV 6	250	155	155	53	90	4.8	1	0.5	0.05	0.19	30	6	12 X 8	
VAV - A3-05	SEE PLANS	PRICE SDV 6	280	175	175	53	90	5.4	1	0.6	0.06	0.26	30	6	12 X 8	
VAV - A3-06	SEE PLANS	PRICE SDV 8	500	255	255	53	90	7.9	1	0.8	0.15	0.44	30	8	12 X 10	
VAV - A3-07	SEE PLANS	PRICE SDV 6	180	220	180	53	90	6.8	1	0.7	0.04	0.35	30	6	12 X 8	
VAV - A4-01	SEE PLANS	PRICE SDV 12	1330	685	685	53	90	21.2	1	2.3	0.31	0.67	30	12	16 X 15	
VAV - A4-02	SEE PLANS	PRICE SDV 12	1220	420	420	53	90	13	1	1.4	0.26	0.28	30	12	16 X 15	
VAV - A4-03	SEE PLANS	PRICE SDV 6	225	120	120	53	90	3.7	1	0.4	0.04	0.03	30	6	12 X 8	
VAV - A4-04	SEE PLANS	PRICE SDV 6	300	230	230	53	90	7.1	1	0.8	0.06	0.44	30	6	12 X 8	
VAV - A4-05	SEE PLANS	PRICE SDV 6	285	275	275	53	90	8.5	1	0.9	0.06	0.54	30	6	12 X 8	
VAV - A4-06	BYPASS	PRICE SDV 14	1790	1790	430	55	85	44.8	1	4.8	0.18	4.03	30	14	20 X 17.5	A

GENERAL NOTES
1. EWT = 150F, LWT=130F, 30% PROPYLENE GLYCOL.
2. PRIMARY AIR: 53F, 1.0" W.C. INLET STATIC PRESSURE, 0.25" W.C. UNIT DOWNSTREAM STATIC PRESSURE UNLESS NOTED OTHERWISE.
3. MAXIMUM NC LEVELS ARE RADIATED SOUND DATA BASED ON THE MAXIMUM COOLING CFM LISTED.
4. CONTROLS SHALL BE BY MANUFACTURER OR BY TEMPERATURE CONTROL CONTRACTOR AND MOUNTED AT THE FACTORY. SEE SPECIFICATIONS. TEMPERATURE CONTROL CONTRACTOR TO PROVIDE 2- WAY CONTROL VALVE PACKAGE UNLESS NOTED OTHERWISE.
5. MOUNT WITH 3 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX.

REMARK NOTES
A. REVERSE ACTING BYPASS VAV

CABINET UNIT HEATER SCHEDULE (HYDRONIC)

CODE (CUH)	MANUFACTURER/ MODEL NO.	AREA SERVED	CONFIG	CAP. (MBH)	CFM	GPM	ELECTRICAL HP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL FLA	ELECTRICAL DISC	ELECTRICAL FUSE	ELECTRICAL FEEDER	CONN. SIZE	REMARKS
A1	ZEHNDER RITTLING / RFRC-420-02	BUILDING A RESTROOM	CEILING	5	150	0.6	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
A2	ZEHNDER RITTLING / RFRC-420-02	BUILDING A RESTROOM	CEILING	5	150	0.6	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C1	ZEHNDER RITTLING / RC-390-03	BUILDING C LOCKER	CEILING	15	300	2.3	1/4	120	1	0.88	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C2	ZEHNDER RITTLING / RC-390-02	BUILDING C LOCKER	CEILING	10	220	1.7	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C3	ZEHNDER RITTLING / RC-390-02	BUILDING C LOCKER	CEILING	10	220	1.7	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C4	ZEHNDER RITTLING / RC-390-02	BUILDING C LOCKER	CEILING	10	220	1.7	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C5	ZEHNDER RITTLING / RC-390-02	BUILDING C LOCKER	CEILING	10	220	1.7	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C6	ZEHNDER RITTLING / RC-390-02	BUILDING C LOCKER	CEILING	10	220	1.7	1/4	120	1	0.78	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C7	ZEHNDER RITTLING / RC-390-03	BUILDING C LOCKER	CEILING	30	300	2.3	1/4	120	1	0.88	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A
C8	ZEHNDER RITTLING / RC-390-03	BUILDING C LOCKER	CEILING	15	300	2.3	1/4	120	1	0.88	$.T.O.	-	(2#12, #12G) 3/4"C	1/2	A

GENERAL NOTES:
1. EAT = 68˚F, LAT = 90˚F.
2. HEATING WATER: EWT = 150˚F, LWT = 130˚F, 30% PROPYLENE GLYCOL.
3. ELEVATION = 6,700 FT.
4. PROVIDE FAN SPEED CONTROL SWITCH.
5. PROVIDE ECM MOTOR.

REMARK NOTES:
A. PROVIDE CONTROL TRANSFORMER AND REMOTE MOUNTED LOW VOLTAGE THERMOSTAT.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
MECHANICAL SCHEDULES

Scale
NOT TO SCALE

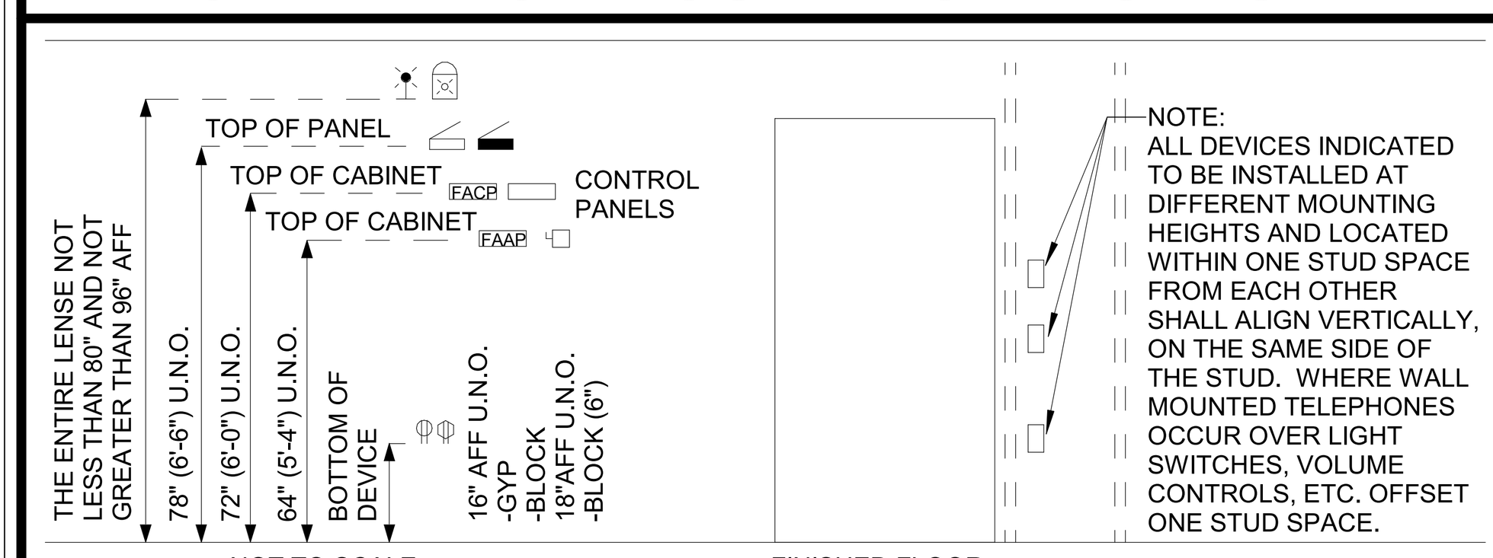
MEP0.001

NOTES

1. ALL EXPOSED RACEWAYS ARE TO BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGEWAYS OR ACCESS TO EQUIPMENT. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPED TOGETHER. THE LOCATION OF PUBLICLY VISIBLE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL.)
2. THE DISCONNECTING MEANS FOR ALL MECHANICAL EQUIPMENT SHALL BE ACCESSIBLE AND HAVE THE CLEARANCE IN FRONT AS REQUIRED BY NEC AMENDMENTS.
3. ALL CEILING ATTACHED OBJECTS AND FLOOR ATTACHED EQUIPMENT INCLUDING BUT NOT LIMITED TO PENDANT LIGHTING FIXTURES, GENERAL LIGHTING, MULTIPLE RACEWAYS, GENERATOR, TRANSFORMER ELECTRICAL SWITCHBOARDS SHALL BE INSTALLED IN ACCORDANCE WITH SUPPORTING OBJECTS FOR SEISMIC ZONE AS REQUIRED BY STATE AND LOCAL CODES.
4. ALL NEW TRANSFORMERS SHALL HAVE A 4 INCH HOUSE KEEPING PAD. UNDER NO CONDITION SHALL THE HIGHEST SWITCH OR BREAKER EXCEED 6'-6" AFF.
5. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT THEIR WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING THEIR WORK WITH ALL OTHER TRADES AND FROM ADJUSTING THEIR WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING COSTS TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.
6. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT ARE NOT LIMITED TO:

   a. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (IE. THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, FIRE PROTECTION PLAN, ETC.).
   b. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES.
   c. THIS CONTRACTOR SHALL ASSIST THE DIVISION 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (IE. LOCATING ALL LIGHTING FIXTURES IN CEILING WITH CEILING CLEARANCES, RACEWAYS, PIPING, EQUIPMENT FOR CLEARANCE THROUGHOUT).
   d. THE ELECTRICAL DRAWINGS INDICATE THE ELECTRICAL REQUIREMENTS FOR A SIGNIFICANT PORTION OF THE MECHANICAL AND PLUMBING SYSTEMS. ADDITIONAL MECHANICAL AND PLUMBING EQUIPMENT IS INDICATED ON THE DIVISION 23 DRAWINGS. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE COMPLETE WIRING AND FUSIBLE DISCONNECTING MEANS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT.
7. DEFINITIONS:
   a. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.
   b. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".
   c. "PROVIDE" MEANS TO "FURNISH AND INSTALL".
   d. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS." SIGNIFICANT ASPECTS SHALL BE DETERMINED BY THE ENGINEER.
   e. "RE:_____DIVISION", AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN THEIR SUPPLIERS, SUBCONTRACTORS, AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT.
8. "FIRESTOPPING" REQUIREMENT. ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814. ALL PENETRATIONS SHALL MEET F AND T RATINGS AS REQUIRED BY THE BUILDING CODE.
9. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTS AS REQUIRED FOR A COMPLETE OPERABLE ELECTRICAL INSTALLATION INCLUDING MISCELLANEOUS STEEL, UNI-STRUT, ALL-THREAD, AIRCRAFT CABLE, ETC.
10. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL SINGLE PHASE CIRCUITS. A SHARED NEUTRAL CONDUCTOR IS NOT ACCEPTABLE ON SINGLE PHASE CIRCUITS.
11. PROVIDE NEW TYPED WRITTEN DIRECTORIES FOR ALL PANELBOARDS INSTALLED OR MODIFIED UNDER THIS CONTRACT.
12. ALL CIRCUIT BREAKER LUGS SHALL BE RATED FOR A MINIMUM OF 75 DEGREES CELSIUS.
13. ALL MATERIALS IN CEILING PLENUMS NOT ENCLOSED IN METALLIC CONDUIT SHALL HAVE CLASS, FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS AS REQUIRED FOR USE IN OPEN PLENUMS.
14. VOLTAGE DROP: THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT VOLTAGE DROP FOR FEEDERS TO DISTRIBUTION EQUIPMENT DOES NOT EXCEED 2% AND VOLTAGE DROP IN BRANCH CIRCUITING DOES NOT EXCEED 3% FOR OVERALL VOLTAGE DROP OF 5% (MAXIMUM). FEEDERS LISTED ON SCHEDULES AND THE ELECTRICAL ONE-LINE DIAGRAM ARE A BASE FEEDER/BRANCH CIRCUIT SIZE AND SHALL BE ADJUSTED AS NEEDED BASED ON ACTUAL LENGTH OF CONDUCTORS.
15. MAINTAIN EXISTING UTILITY SERVICES. WHERE NECESSARY TO CUT EXISTING CONDUITS, WIRES, CABLES, ETC. OF UTILITY SERVICES OR FIRE PROTECTION SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE DIRECTED BY THE OWNER'S REPRESENTATIVE.
16. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY PLANNED UTILITY INTERRUPTIONS INCLUDING INTERRUPTIONS OF POWER TO COMMUNICATIONS AND FIRE PROTECTION SYSTEMS AT LEAST 48 HOURS IN ADVANCE OR AS OTHERWISE SPECIFIED. THE REQUEST SHALL STATE THE REASON, DATE, BEGINNING TIME, AND EXPECTED DURATION OF SUCH INTERRUPTIONS. NO INTERRUPTIONS SHALL BE MADE WITHOUT THE OWNER'S WRITTEN APPROVAL AND SUCH INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER TO CAUSE THE LEAST INCONVENIENCE TO THE OWNER'S OPERATIONS.
17. CONTRACTOR SHALL PATCH AND FILL OPENINGS IN FLOORS, WALLS AND CEILINGS FOR REMOVED EQUIPMENT OR PIPING WITH THE SAME MATERIAL, FIRE AND STRUCTURAL INTEGRITY THAT WOULD HAVE EXISTED PRIOR TO THE PENETRATION INCLUDING CONCRETE, BLOCK, GYP WALLBOARD, EXTERIOR WALLS, ROOF MEMBRANES, ETC. EXCEPT FOR STEEL AND WOOD BEAMS WHICH SHALL HAVE THE OPENINGS CAPPED WITH SIMILAR MATERIAL.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES OR LOCATING SERVICES AND OBTAINING LOCATIONS OF ALL UNDERGROUND SERVICES IN THE GENERAL AREA OF DEMOLITION WORK.
19. MATERIALS USED IN RESTORATION OR REPAIRING WORK RELATED TO DEMOLITION AND RELOCATION SHALL CONFORM IN TYPE, QUALITY, AND FUNCTION TO THAT OF THE ORIGINAL EXISTING CONSTRUCTION OR AS OTHERWISE INDICATED.
20. ITEMS REMOVED OR NOTED TO BE RETAINED BY THE OWNER BUT WHICH ARE DECLINED TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. ALL HAZARD WASTE SHALL BE PROPERLY DISPOSED OF BY A LICENSED HAZARD WASTE DISPOSAL FACILITY. ITEMS SHALL INCLUDE BUT NOT LIMITED TO FLUORESCENT LAMPS, SMOKE DETECTORS, ETC.

TYPICAL DEVICE MOUNTING HEIGHTS



NOTES:

1. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE.
2. CONTRACTOR SHALL ENSURE THAT ALL MOUNTING HEIGHTS COMPLY WITH CURRENT ADA AND A117.1 REQUIREMENTS.
3. WHERE EVER DEVICES ARE INDICATED TO BE ABOVE DOORS, DEVICE SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND CEILING LINE.
4. ALL ABOVE COUNTER (DESIGNATED BY "AC") SHALL BE MOUNTED 8" ABOVE COUNTER OR MAXIMUM HEIGHT OF 44" TO TOP OF DEVICE. VERIFY HEIGHTS WITH ARCHITECT.
5. FOR CEILINGS BELOW 7'-4", FIRE ALARM STROBE OR HORN/STROBES SHALL BE WALL MOUNTED 6" BELOW FINISHED CEILING.
6. SWITCH TO BE MOUNTED ON LATCH SIDE OF THE DOOR WITHIN 12" OF THE DOOR.
7. DEVICES AT SAME HEIGHT LOCATED NEXT TO EACH OTHER TO BE ALIGNED VERTICALLY TO THE BOTTOM OF THE DEVICE.

CODES AND STANDARDS

DESIGNED UNDER THE FOLLOWING CODES AND STANDARDS:
2020 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL BUILDING CODE
2018 STEAMBOAT SPRINGS AMENDMENTS TO THE 2018 INTERNATIONAL BUILDING CODES
ASHRAE 90.1 - 2016
2018 INTERNATIONAL FIRE CODE
2009 ANSI A117.1, ACCESSIBILITY REQUIREMENTS
ANSI/ASME A17.1, SAFETY CODE FOR ELEVATORS
NFPA 72 NATIONAL FIRE ALARM CODE

ABBREVIATIONS

Abbreviation	Meaning
A	
A/AMP	AMPERE
AC	ABOVE COUNTER
AF	AMPERE FUSE/FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AVAILABLE INTERRUPT CURRENT
AL	ALUMINUM
AM	AMMETER
ANN	ANNUNCIATOR
ANT	ANTENNA
ASC	AVAILABLE SHORT-CIRCUIT CURRENT
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
B	
BCST	BROADCAST
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
BOH	BACK OF HOUSE
BW	BUS-WAY
C	
C	CONDUIT
CAB	CABINET
CAM	CAMERA
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CO	CONDUIT ONLY
COMB	COMBINATION
COMP	COMPUTER
COND	CONDUCTOR
CT	CURRENT TRANSFORMER
CU	COPPER
D	
D	DEMOLISH
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
DEMARC	DEMARCATION
DISC	DISCONNECT
DL	DAMP LABEL
DP	DISTRIBUTION PANEL
DPDT	DOUBLE POLE, DOUBLE THROW
DWG	DRAWING
DVR	DIGITAL VIDEO RECORDER
E	
E/EX	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
EHC	ELECTRIC HEATING COIL
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
ENG	ELECTRONIC NEWS GATHERING
EOL	F/A END OF LINE RESISTOR
EQP	EQUIPMENT
ER	EXISTING TO BE REMOVED/RELOCATED
EV	ELECTRIC VEHICLE
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
F	
F	FUSE
F/A	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
FATP	FIRE ALARM TRANSPONDER PANEL
FBO	FURNISHED BY OTHERS
FC	FOOTCANDLES
FDR	FEEDER
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FPB	FAN POWERED BOX
FUT	FUTURE
G	
GALV	GALVANIZED
GB	GROUNDING BUS
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
H	
HC	HORIZONTAL CROSS CONNECT
HD	HEAVY DUTY
HH	HAND HOLE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HTR	HEATER
I	
IC	INTERMEDIATE CROSS CONNECT
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE GRADE METALLIC CONDUIT
J	
J-BOX	JUNCTION BOX
JBA	AUDIO CONNECTION BOX
JBC	COACHES JUNCTION BOX
JBE	ENG BROADCAST BOX
JBT	NETWORK BROADCAST CONNECTION BOX
K	
KCMIL/MCM	THOUSAND OF CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
L	
LA	LIGHTNING ARRESTOR
LAN	LOCAL AREA NETWORK
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LFC	LIQUID TIGHT FLEXIBLE CONDUIT
LT	LOW TEMPERATURE RATED DEVICES OR SIMILAR
LTG	LIGHTING
LV	LOW VOLTAGE
M	
MA	MILLIAMPERE
MAX	MAXIMUM
MB	MAIN BREAKERS
MC	MECHANICAL CONTRACTOR OR METAL CLAD
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOV	MOTOR OPERATED VALVE
MPOE	MAIN POINT OF ENTRY
MTG	MOUNTING HEIGHT
MTS	MANUAL TRANSFER SWITCH
MS	MOTOR STARTER
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MTG	MOUNTING
MTGB	MAIN TELECOMMUNICATIONS GROUND BUS
MTR	MAIN TELECOM ROOM
MV	MEDIUM VOLTAGE
N	
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON FUSED
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	
OC	ON CENTER
OCP	OVERCURRENT PROTECTION
OD	OUTSIDE DIAMETER
OH	OVERHEAD
P	
P	POLE
PA	PUBLIC ADDRESS
PB	PUSH BUTTON
PE	PHOTOELECTRIC
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWR	POWER
Q	
QE	QUADRANT ELECTRICAL (ARENA SPECIFIC)
QT	QUADRANT TELECOM (ARENA SPECIFIC)
R	
R	EXISTING TO RELOCATE
REC	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
S	
SCP	SECURITY CONTROL PANEL
SEC	SECONDARY/SECOND
SECT	SECTION
SHT	SHEET
SEC	SECONDARY CONNECTION CABINET
SMPOE	SECONDARY MAIN POINT OF ENTRY
SP	SERVICE PROVIDER
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
ST	SHUNT TRIP
STD	STANDARD
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHEAR
T	
T	TWIST LOCK
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TC	TIME CLOCK
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY
TELCOM	TELECOMMUNICATIONS
TEMP	TEMPERATURE
TGB	TELECOMMUNICATIONS GROUND BUS
TO	THERMAL OVERLOAD
TR	TAMPER RESISTANT
TYP	TYPICAL
U	
UC	UNDER COUNTER
UG	UNDERGROUND
UGP	UNDERGROUND PRIMARY
UGS	UNDERGROUND SECONDARY
UH	UNIT HEATER
UL	UNDERWRITER LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
V	
V	VOLT
VA	VOLT-AMPERE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
W	
W	WATT
W/	WITH
W/O	WITHOUT
WH	WATT HOUR
WHM	WATT HOUR METER
WLAN	WIRELESS-LOCAL AREA NETWORK
WP	WEATHERPROOF
WPL	WEATHER PROOF LOCKABLE ENCLOSURE.
WT	WATERTIGHT
X	
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

SYMBOLS

LIGHTING

- STRIP LIGHT
- WALL MOUNTED STRIP LIGHT
- WALL MOUNTED LINEAR
- RECESSED LINEAR
- RECESSED LIGHTING FIXTURE W/DOWNLIGHTS
- RECESSED 2'X2'
- RECESSED 2'X4'
- SURFACE MOUNTED 2'X4'
- SURFACE MOUNTED 2'X2'
- SURFACE MOUNTED 1'X4'
- RECESSED WALL / STEP LIGHT
- WALL MOUNTED FLOODLIGHT
- WALL MOUNTED SCONCE
- SURFACE MOUNTED DOWN LIGHT
- SURFACE MOUNTED WALL WASH
- RECESSED DOWN LIGHT
- RECESSED WALL WASH
- RECESSED 1X4 WALL WASH
- LINEAR PENDANT
- LINEAR PENDANT W/DOWNLIGHTS
- PENDANT LIGHT
- MONOPOINT TRACKHEAD
- LINEAR LIGHT
- TRACK WITH TRACKHEADS
- BURIAL FIXTURE
- POLE MOUNTED LIGHT WITH ARM
- POLE MOUNTED LIGHT POST TOP MOUNTING/BOLLARD
- CEILING MOUNTED EXIT SIGN
- EXIT SIGN WITH DIRECTIONAL
- WALL MOUNTED EXIT SIGN ARROWS (CHEVRONS)
- EMERGENCY LIGHTING UNIT
- EM — UL924 EMERGENCY AUTOMATIC TRANSFER DEVICE
- PS — POWER SUPPLY
- OCCUPANCY SENSOR - CEILING MOUNTED (RE: 8/E8.002)
- DAYLIGHT SENSOR - CEILING MOUNTED (RE: 8/E8.002)
- OCCUPANCY SENSOR - WALL SWITCH (RE: 9/E8.002)
- OCCUPANCY SENSOR - 180° (RE: 7/E8.002)
- DIMMER SWITCH / STATION (RE: 2/E8.002 OR 5/E8.002 FOR MULTI-ZONE SWITCH)
- DS — DIMMER / OCCUPANCY SENSOR COMBINATION SWITCH (RE: 3/E8.002)
- SC — SCENE CONTROL STATION (RE: 4/E8.002)
- TP — TOUCH PANEL CONTROL STATION (RE: 1/E8.002)
- LOW VOLTAGE SWITCH (RE: 7/E8.002)
- LV — SINGLE POLE SWITCH
- SHADED SYMBOLS DENOTE EMERGENCY FIXTURES

FIRE ALARM

- SMOKE DETECTOR
- WALL SMOKE DETECTOR
- CO — SMOKE/CARBON MONOXIDE DETECTOR
- CO — WALL SMOKE/CARBON MONOXIDE DETECTOR
- HEAT DETECTOR
- DUCT DETECTOR
- BR — BEAM DETECTOR RECEIVER
- BT — BEAM DETECTOR TRANSMITTER
- EVAC — VOICE EVAC PANEL
- ESR — ELEVATOR STATUS PANEL
- CEILING MOUNTED SPEAKER
- WALL MOUNTED SPEAKER
- CEILING MOUNTED SPEAKERSTROBE
- WALL MOUNTED SPEAKER/STROBE
- S — WALL MOUNTED SILENTONE
- H — FIRE SERVICE PHONE
- J — FIREMAN'S PHONE JACK
- ROTATING BEACON
- MANUAL PULL STATION
- DH — MAGNETIC DOOR HOLD OPEN DEVICE
- TAMPER SWITCH
- FLOW SWITCH
- RTS — CEILING MOUNTED REMOTE INDICATOR LIGHT
- RTS — WALL MOUNTED REMOTE INDICATOR LIGHT
- WALL MOUNTED ADA STROBE
- CEILING MOUNTED STROBE
- IM — ADDRESSABLE INPUT MODULE
- FR — FIRE ALARM ADDRESSABLE RELAY
- ALARM BELL
- FIRE SMOKE DAMPER RE: DETAIL 17/E8.000
- FR — SMOKE CONTROL DAMPER
- CO — CARBON MONOXIDE DETECTOR
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- TWC — TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE CALL BUTTON RE: DETAIL 1/E8.001
- TWCP — TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE (BASE STATION) RE: DETAIL 1/E8.001

POWER

- WALL SIMPLEX RECEPTACLE
- WALL DUPLEX RECEPTACLE
- U — WALL DUPLEX WITH USB
- Ω — WALL DUPLEX WITH CONTROL OF ONE OUTLET
- WALL DUPLEX RECEPTACLE (EMERGENCY)
- WALL FOURPLEX RECEPTACLE
- WALL FOURPLEX RECEPTACLE (EMERGENCY)
- X — WALL SPECIAL RECEPTACLE (FOR "X" SEE RECEPTACLE MODIFER TAGS TABLE)
- X — WALL SPECIAL RECEPTACLE (EMERGENCY) (FOR "X" SEE RECEPTACLE MODIFER TAGS TABLE)
- FP — FLAT PANEL BACK BOX - POWER MOUNTED WITHIN AV BACK BOX
- TV — WALL COMBINATION TV / POWER OUTLET
- WALL CLOCK RECEPTACLE
- WALL JUNCTION BOX
- WALL FURNITURE FEED
- FLOOR DUPLEX RECEPTACLE
- FLOOR FOURPLEX RECEPTACLE (POWER/DATA/COMBO DEVICE. REFER TO TECHNOLOGY DRAWINGS)
- AV — FLOOR FOURPLEX RECEPTACLE WITH AV (POWER/DATA/AV COMBO DEVICE. REFER TO TECH. DRAWINGS)
- CONVENTION CENTER FLOOR BOX.
- JUNCTION BOX
- FLOOR FURNITURE FEED
- CEILING RECEPTACLE
- CEILING DUPLEX RECEPTACLE
- CEILING FOURPLEX RECEPTACLE
- X — CEILING / FLOOR SPECIAL RECEPTACLE (FOR "X" SEE RECEPTACLE MODIFER TAGS TABLE)
- CEILING JUNCTION BOX
- CEILING TV OUTLET
- POWER POLE
- SINGLE TOGGLE SWITCH
- PLUGMOLD
- EPO — EMERGENCY POWER OFF
- SINGLE PUSH BUTTON
- DUPLEX PUSH BUTTON

DEVICE GENERAL NOTES:

1. REFER TO SPECIFICATION SECTION 26 27 26 FOR SPECIFIC FLOOR DEVICE PRODUCT INFORMATION.
2. REFER TO TECHNOLOGY AND/OR AV LEGEND AND FLOOR PLANS TO CONFIRM ALL LOCATIONS THAT HAVE DATA OR DATA/AV REQUIREMENTS COMBINED WITH POWER IN FLOOR BOXES.
3. REFER TO TECHNOLOGY (AND/OR AV) DRAWINGS FOR DEDICATED LOW VOLTAGE CONDUIT AND FLOOR BOX DEVICE MOUNTING PLATE REQUIREMENTS. LOW VOLTAGE CONDUIT REQUIREMENTS ARE NOT DOCUMENTED ON POWER DRAWINGS.
4. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF TVS. MOUNT BEHIND TV DISPLAY OR ON TV MOUNTING BRACKET/SUPPORT"

EQUIPMENT

- MOTOR
- MOTOR AND DISCONNECT
- MOTOR AND FUSED DISCONNECT
- MOTOR AND CIRCUIT BREAKER DISCONNECT
- VARIABLE FREQUENCY DRIVE/MOTOR CONTROLLER
- NON-FUSED DISCONNECT
- FUSED DISCONNECT
- CIRCUIT BREAKER
- BRANCH CIRCUIT OR POWER PANEL
- LIGHTING CONTROL PANEL
- ELECTRICAL EQUIPMENT FREESTANDING OR WALL MOUNT
- M — METER
- CURRENT TRANSFORMER
- GROUND
- DELTA/WYE WITH GROUND
- T — POWER TRANSFORMER
- FUSE & SWITCH
- CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- K — KIRK-KEY INTERLOCK
- G — GROUND FAULT INTERRUPTER BREAKER
- D — CIRCUIT MONITORING DEVICE
- MECHANICAL EQUIPMENT IDENTIFICATION TAG
- X — SHORT CIRCUIT FAULT CALCULATION TAG REFER TO TABLE ON ONE-LINE DIAGRAM
- SPD — SURGE PROTECTION DEVICE
- TO — THERMAL OVERLOAD
- TO — MOTOR AND THERMAL OVERLOAD
- COMPANY SWITCH OR CAM-LOK PANEL
- AUTOMATIC TRANSFER SWITCH
- GENERATOR DOCKING STATION
- NAME (#) — ELECTRICAL PLANEL (NUMBER OF SECTIONS)
- EQ-# — EQUIPMENT IDENTIFICATION TAG REFER TO ELECTRICAL EQUIPMENT SCHEDULE

RACEWAY LEGEND

- A:2,4 — BRANCH CIRCUIT HOMERUN TO PANELBOARD, NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, NUMERICAL INDICATES CIRCUIT NUMBER.
- A:2,4 (A) — BRANCH CIRCUIT HOMERUN CONTROLLED BY LIGHTING CONTROL SYSTEM. FIRST HEXAGON LETTER CORRESPONDS TO FIRST CIRCUIT NUMBER. (ie. CIRCUIT #2 IS ON ZONE A). REFER TO LIGHTING CONTROL MATRIX FOR LIGHTING ZONES.
- MOTOR CONNECTION
- UNDERGROUND FEEDER
- UNDERGROUND BRANCH CIRCUIT HOMERUN
- CONDUIT UP
- CONDUIT DOWN
- CONDUIT RUNS UNDERFLOOR OR BELOW GRADE
- OR — CONDUIT RUN CONCEALED IN WALLS OR CEILING, OR EXPOSED WHEN CEILING ARE NOT PRESENT.

RECEPTACLE MODIFIER TAGS

TAG	OUTLET RATING	NEMA/CAT NO	FEEDER (NOTE 1)	WIRING NOTES
A	NOT USED	-	-	-
B	NON-LOCKING, 30A, 125V, 1PH	5-30R	2#10,#10G,3/4"C (60FT)	HOT-NEUT-GND
C	NON-LOCKING, 20A, 250V, 1PH	6-20R	2#12,#12G,3/4"C (100FT)	HOT-HOT-GND
D	NON-LOCKING, 30A, 250V, 1PH	6-30R	2#10,#10G,3/4"C (120FT)	HOT-HOT-GND
E	NON-LOCKING, 50A, 250V, 1PH	6-50R	2#6,#10G,3/4"C (150FT)	HOT-HOT-GND
F	NOT USED	-	-	-
G	NON-LOCKING, 20A, 125/250V, 1PH	14-20R	3#12,#12G,3/4"C (100FT)	HOT-HOT-NEUT-GND
H	NOT USED	-	-	-
I	NOT USED	-	-	-
J	LOCKING, 20A, 125V, 1PH	L5-20R	2#12,#12G,3/4"C (50FT)	HOT-NEUT-GND
K	LOCKING, 30A, 125V, 1PH	L5-30R	2#10,#10G,3/4"C (60FT)	HOT-NEUT-GND
L	LOCKING, 20A, 250V, 1PH	L6-20R	2#12,#12G,3/4"C (100FT)	HOT-HOT-GND
M	LOCKING, 30A, 250V, 1PH	L6-30R	2#10,#10G,3/4"C (120FT)	HOT-HOT-GND
N	NOT USED	-	-	-
O	NOT USED	-	-	-
P	LOCKING, 20A, 125/250V, 1PH	L14-20R	3#12,#12G,3/4"C (100FT)	HOT-HOT-NEUT-GND
Q	LOCKING, 30A, 125/250V, 1PH	L14-30R	3#10,#10G,3/4"C (120FT)	HOT-HOT-NEUT-GND
R	NOT USED	-	-	-
S	LOCKING, 20A, 208Y/120V, 3PH	L21-20R	4#12,#12G,3/4"C (120FT)	HOT-HOT-HOT-NEUT-GND
T	LOCKING, 30A, 208Y/120V, 3PH	L21-30R	4#10,#10G,3/4"C (130FT)	HOT-HOT-HOT-NEUT-GND
V	LOCKING, 50A, 250V, 3PH	HBL CS8369	3#6,#10G,1"C (175FT)	HOT-HOT-HOT-GND
W	PIN & SLEEVE, 60A, 208Y/120V, 3PH	HBL 560R9W	4#4,#10G,1-1/4"C (200FT)	HOT-HOT-HOT-NEUT-GND
X	PIN & SLEEVE, 100A, 208Y/120V, 3PH	HBL 5100R9W	4#1,#8G,1-1/2"C (250FT)	HOT-HOT-HOT-NEUT-GND
Y	NOT USED	-	-	-
Z	NOT USED	-	-	-

NOTE: DISTANCE NOTED IS MAXIMUM RUN LENGTH FOR WIRE SIZE. INCREASE PER NEC, INCLUDING GROUND, FOR LONGER RUNS OR FOR DERATING FACTORS (AMB TEMP, EXTERIOR, ETC.)

ELECTRICAL SHEET LIST - GSQ

Sheet Number	Sheet Name
DE0.001	EXISTING ELECTRICAL ONE-LINE AND DEMOLITION
DE1.102	ELECTRICAL DEMOLITION PLAN - C & F BUILDING LEVEL 02
DE1.103	ELECTRICAL DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04
DE1.104	LIGHTING DEMOLITION PLAN - C & F BUILDING LEVEL 02
DE1.105	LIGHTING DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04
E0.000	ELECTRICAL LEGEND
E0.001	ELECTRICAL ONE-LINE
E0.002	GONDOLA SQUARE FIRE ALARM ONE-LINE DISGRAM
E0.004	ELECTRICAL EQUIPMENT AND LIGHT FIXTURE SCHEDULES
E0.010	PANEL SCHEDULES
E0.011	PANEL SCHEDULES
E1.202	ELECTRICAL PLAN - C & F BUILDING LEVEL 02
E1.203	ELECTRICAL PLAN - A BUILDING LEVEL 02, 03, & 04
E1.302	LIGHTING PLAN - C & F BUILDING LEVEL 02
E1.303	LIGHTING PLAN - A BUILDING LEVEL 02, 03, & 04
E8.000	ELECTRICAL DETAILS
E8.001	ELECTRICAL DETAILS
E8.002	ELECTRICAL DETAILS

ADDITIONAL SCOPE NOTES:

THE BELOW ITEMS ARE PROVIDED AS A SCOPE ADDITION TO THE DRAWINGS IN THIS SET. THE SCOPE ITEMS LISTED BELOW SHALL BE PRICED AS NARRATED AND SHALL BE INCLUDED IN THE SCOPE AND INSTALLATION OF THIS PROJECT. IT IS THIS CONTRACTORS RESPONSIBILITY TO ACCOUNT FOR ADDITIONAL HARDWARE AND INSTALLATION THAT IS A REASONABLE EXTENSION OF THE SCOPE DESCRIBED BELOW. FOR EXAMPLE LENGTHS OF WIRE/CONDUIT SHALL INCLUDE ALL FITTINGS, ACCESSORIES, SUPPORTS, ETC. FOR THE COMPLETE INSTALLATION OF THE SCOPE DESCRIBED.

1. PROVIDE FIRE ALARM CONTACT CLOSURES AT ALL ACCESS CONTROL PANELS (ACP). REFER TO AV/IT DRAWINGS FOR EXACT QUANTITES AND LOCATION OF ALL ACP PANELS.
2. PROVIDE FIRE ALARM INTERFACE AND SMOKE DETECTOR AT EACH FIRE SMOKE DAMPER.
3. PROVIDE DUCT TYPE SMOKE DETECTORS FOR ALL MECHANICAL UNITS ON THE SUPPLY FOR UNITS RATED FOR 2000 CFM TO 15000 CFM. PROVIDE DUCT TYPE SMOKE DETECTORS ON THE SUPPLY AND RETURN SIDE OF THE UNIT FOR ALL MECHANICAL UNITS RATED OVER 15000 CFM.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDIANTING THE FIRE ALARM PERMIT AND RELISTING OF THE FIRE ALARM SYSTEM FOR THIS SCOPE AS WELL AS THE INTEGRATION OF THIS SCOPE TO THE ENTIRE BUILDING FIRE ALARM SYSTEM.
5. CONTRACTOR IS RESPONSIBLE FOR SURVEYING AND LOCATING ALL PATHWAYS FROM OUTSIDE OF THIS SCOPE TO SERVICE THIS SCOPE. THIS INCLUDES BUT IS NOT LIMITEDD TO ELECTRICAL SERVICE FROM MAIN ELECTRICAL ROOM, FIRE ALARM INTERFACE WITH BUILDING COMMAND CENTER, ETC. ADDITIONAL COST SHALL NOT BE INCURRED BY THE OWNER FOR LACK OF FIELD SURVEY AND EXISTING CONDITIONS TO PROVIDE FULLY FUINCTIONING SYSTEMS WITHIN THIS SPACE THAT INTEGRATE INTO THE BUILDING AS A WHOLE.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY PLANNED UTILITY INTERRUPTIONS INCLUDING INTERRUPTIONS OF POWER TO COMMUNICATIONS AND FIRE PROTECTION SYSTEMS AT LEAST 48 HOURS IN ADVANCE OR AS OTHERWISE SPECIFIED. THE REQUEST SHALL STATE THE REASON, DATE, BEGINNING TIME, AND EXPECTED DURATION OF SUCH INTERRUPTIONS. NO INTERRUPTIONS SHALL BE MADE WITHOUT THE OWNER'S WRITTEN CONCURRENCE AND SUCH INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER TO CAUSE THE LEAST INCONVENIENCE TO THE OWNER'S OPERATIONS. SERVICE INTERRUPTIONS WHICH CANNOT WAIT FOR WRITTEN APPROVAL MAY BE GRANTED WITH VERBAL APPROVAL FROM THE OWNER'S REPRESENTATIVE. AFTER VERBAL APPROVAL IS GRANTED, WRITTEN CONFIRMATION SHALL BE ISSUED BY THE CONTRACTOR AS SOON AS PRACTICAL.
7. REFER TO SHEET E0.002 FOR FIRE ALARM SYSTEM INTENT AND TIE IN TO THE EXISTING FIRE ALARM SYSTEM EXISTING AT GONDOLA SQUARE. A SINGLE FIRE ALARM SYSTEM IS INTENDED TO BE PROVIDED FOR ALL OF GONDOLA SQUARE. THE NEW SYSTEM WILL ACT AS THE HEAD END SYSTEM AND COMMUNICATE WITH THE EXISTING SYSTEM.

RCRBD
Record Set
Electrical
07/01/2021

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED PROFESSIONAL ENGINEER MATTHEW JOHN O'BOYLE 52253 5/21/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ELECTRICAL LEGEND

Scale
1/8" = 1'-0"

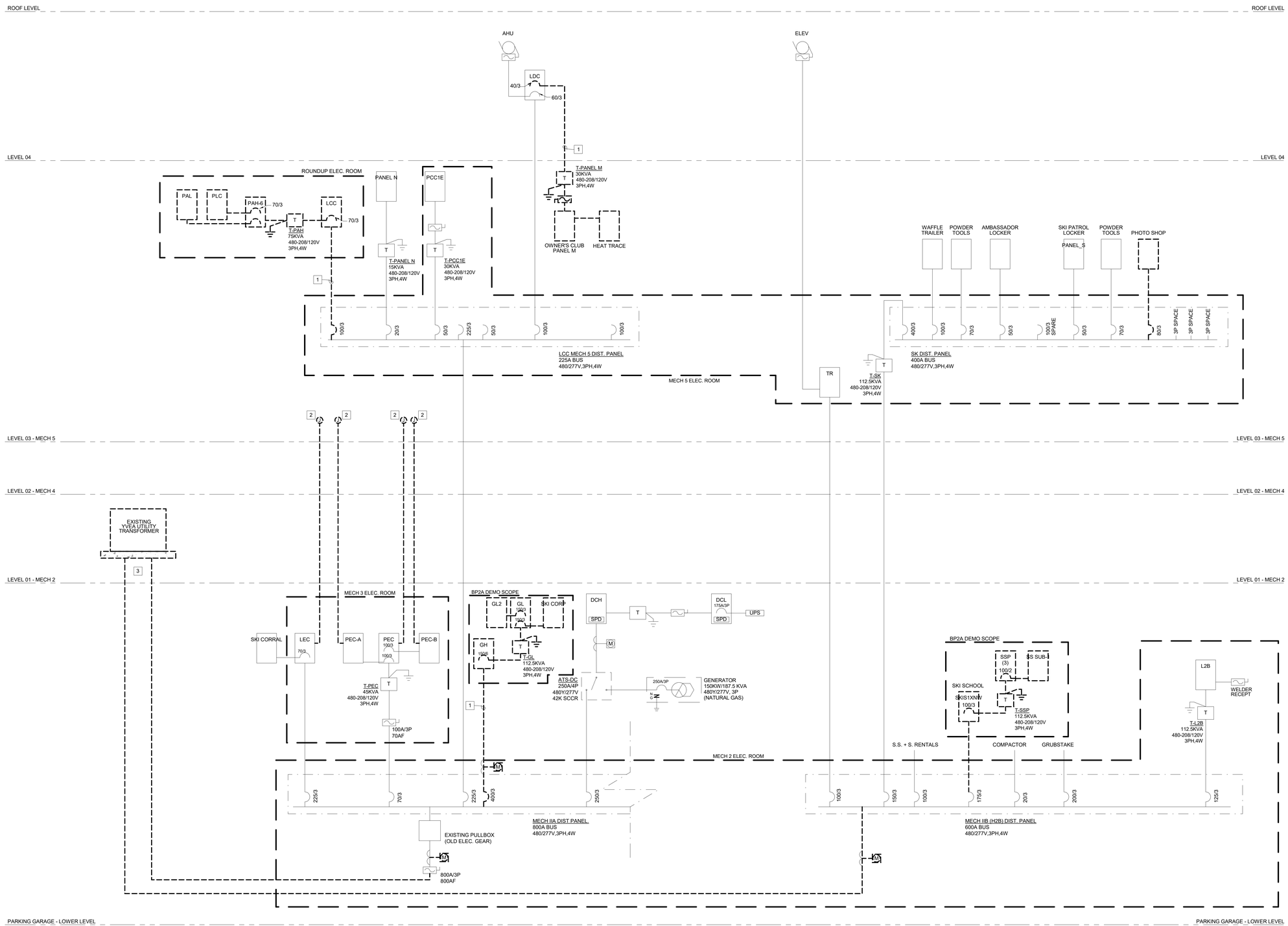
E0.000

DEMOLITION KEY:

THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE

THICK DASHED LINES IS SCOPE TO BE DEMOLISHED

RCRBD
Record Set
Electrical
07/01/2021



A GONDOLA SQUARE BUILDING – EXISTING ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

GENERAL NOTES:

1. ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
2. FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED WITH THE CONTRACTOR.
3. ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
4. FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED 15 KVA-3.1 %Z, ISC=1,343A. 30 KVA-2.5 %Z, ISC=1,665A. 45 KVA-3.2 %Z, ISC=3,903A. 75 KVA-2.8 %Z, ISC=7,330A. 112.5 KVA-3.4 %Z, ISC=9,184A. 150 KVA-3.0 %Z, ISC=13,787A. 225 KVA-3.5 %Z, ISC=17,844A. 300 KVA-3.5 %Z, ISC=23,929A. 500 KVA-4.6 %Z, ISC=30,171A.
5. PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION BOARDS.
6. ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS AT THE MAIN SERVICE.

KEY NOTES:

1. EXISTING WIRE IN CONDUIT TO BE DEMOLISHED. EXISTING CONDUIT AND FITTINGS SHALL BE FIELD VERIFIED FOR RE-USE WITH NEW ELECTRICAL EQUIPMENT. FULLY SWAB AND CLEAN ALL EXISTING CONDUIT TO REMAIN. REPLACE DAMAGED CONDUIT AND FITTINGS AS REQUIRED
2. DEMOLISH EXISTING BRANCH CIRCUITING SERVING LOADS LOCATED IN BUILDING F.
3. DEMOLITION AND REPLACEMENT OF EXISTING ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE UTILITY AND OWNER FOR ALL OUTAGES. EXISTING SERVICE EQUIPMENT WILL BE RE-FED FROM NEW TRANSFORMER AND SWITCHBOARD.

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED
52253
PROFESSIONAL ENGINEER

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
EXISTING ELECTRICAL ONE-LINE AND DEMOLITION

Scale
NOT TO SCALE

DE0.001

KEYNOTES

GENERAL NOTES:

1. THE LOCATION OF EXISTING EQUIPMENT AND DEVICES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE PROJECT BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED WHICH ARE A RESULT OF EXISTING CONDITIONS. SITE VISITS PRIOR TO SUBMISSION OF BIDS MUST BE FULLY COORDINATED WITH THE OWNER.

2. DURING DEMOLITION AND NEW CONSTRUCTION THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING AND FIRE ALARM) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE BRANCH CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.

3. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/ SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD DIRECTORIES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.

4. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

5. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.

6. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

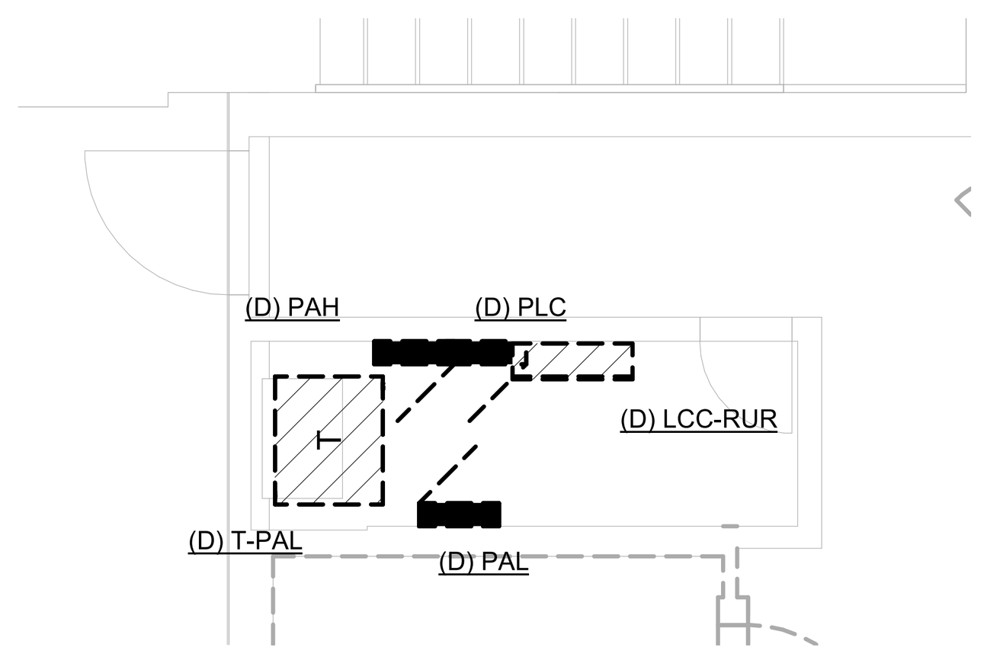
8. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.

9. WHERE BEAMS OR COLUMNS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE TO REMAIN UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED WITH THE CONSTRUCTION MANAGER.

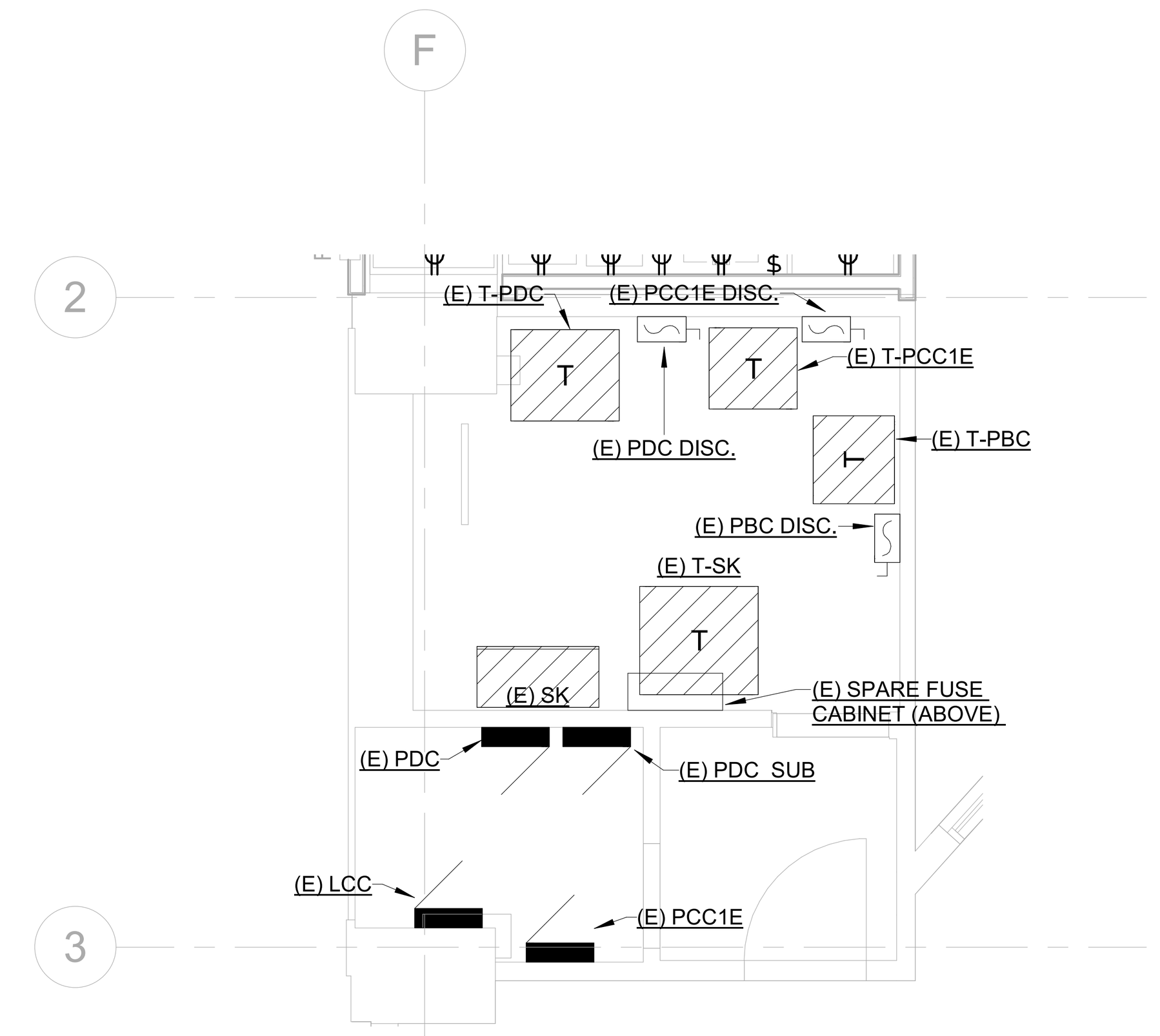
10.WHEREVER ELECTRICAL MATERIALS HAVE BEEN REMOVED FROM SURFACES OF THE BUILDING OR STRUCTURE, THOSE SURFACES SHALL BE PATCHED AND REPAIRED.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES OR LOCATING SERVICES AND OBTAINING LOCATIONS OF ALL UNDERGROUND SERVICES IN THE GENERAL AREA OF DEMOLITION WORK.

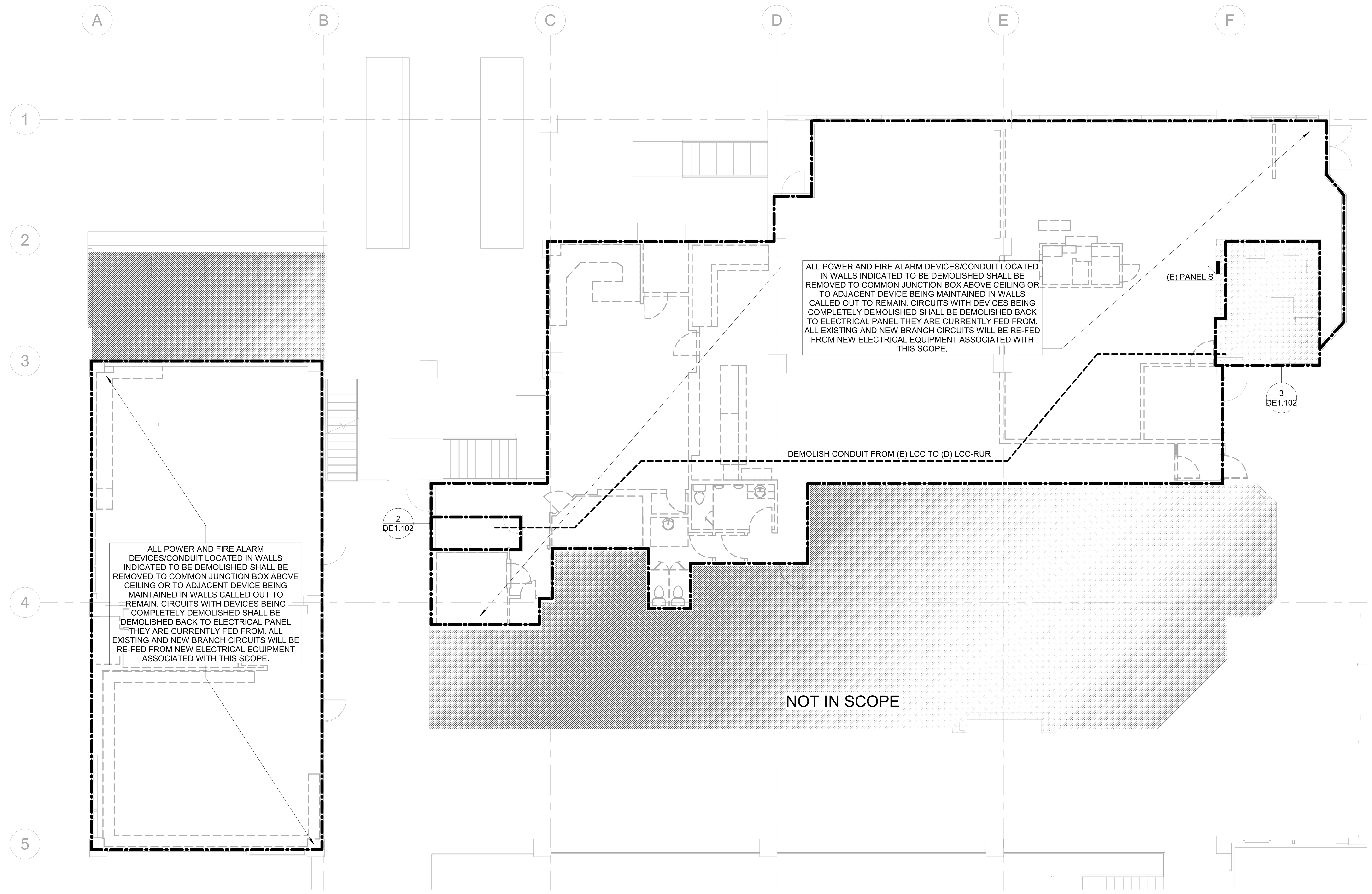
12. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY PLANNED UTILITY INTERRUPTIONS INCLUDING INTERRUPTIONS OF POWER TO COMMUNICATIONS AND FIRE PROTECTION SYSTEMS AT LEAST 48 HOURS IN ADVANCE. REQUEST SHALL STATE THE REASON, DATE, BEGINNING TIME, AND EXPECTED DURATION OF INTERRUPTIONS. NO INTERRUPTIONS SHALL BE MADE WITHOUT THE OWNER'S WRITTEN APPROVAL AND INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER TO CAUSE THE LEAST IMPACT TO THE OWNER'S OPERATIONS.



2 ENLARGED ROUNDUP ROOM ELEC. BUILDING C - DEMO
SCALE: 1/4" = 1'-0"



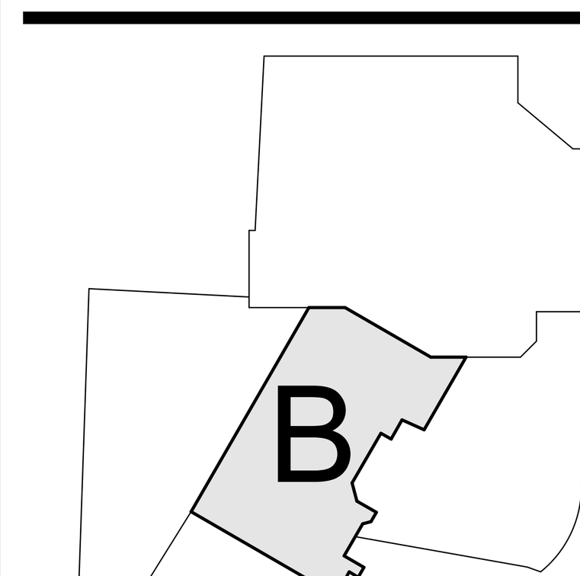
3 ENLARGED MECH 5 ELEC. BUILDING C - EXISTING
SCALE: 1/4" = 1'-0"



1 ELECTRICAL DEMO PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
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Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
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Seal / Signature

COLORADO LICENSED ... 52253

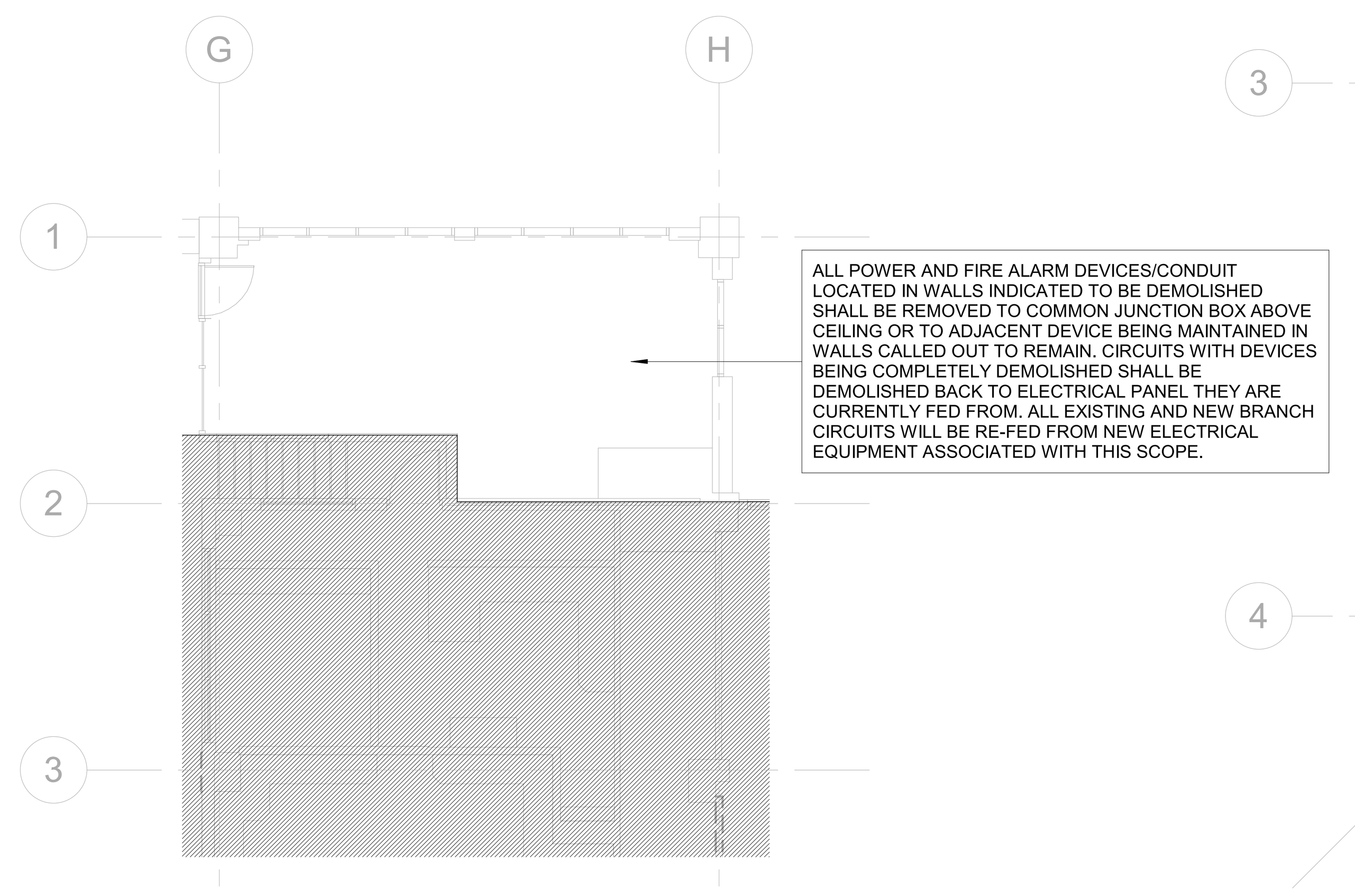
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

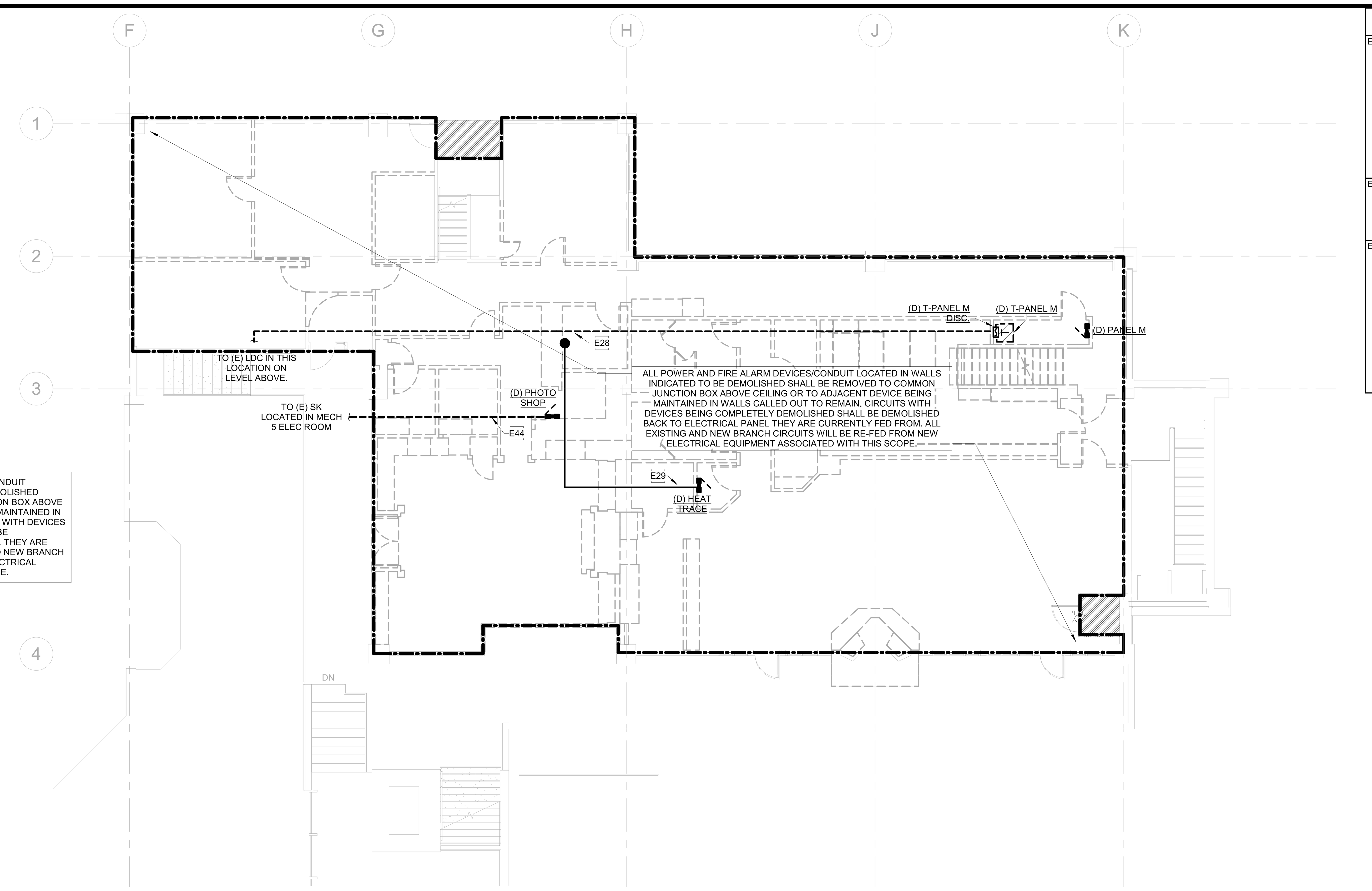
Description
ELECTRICAL DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
As indicated

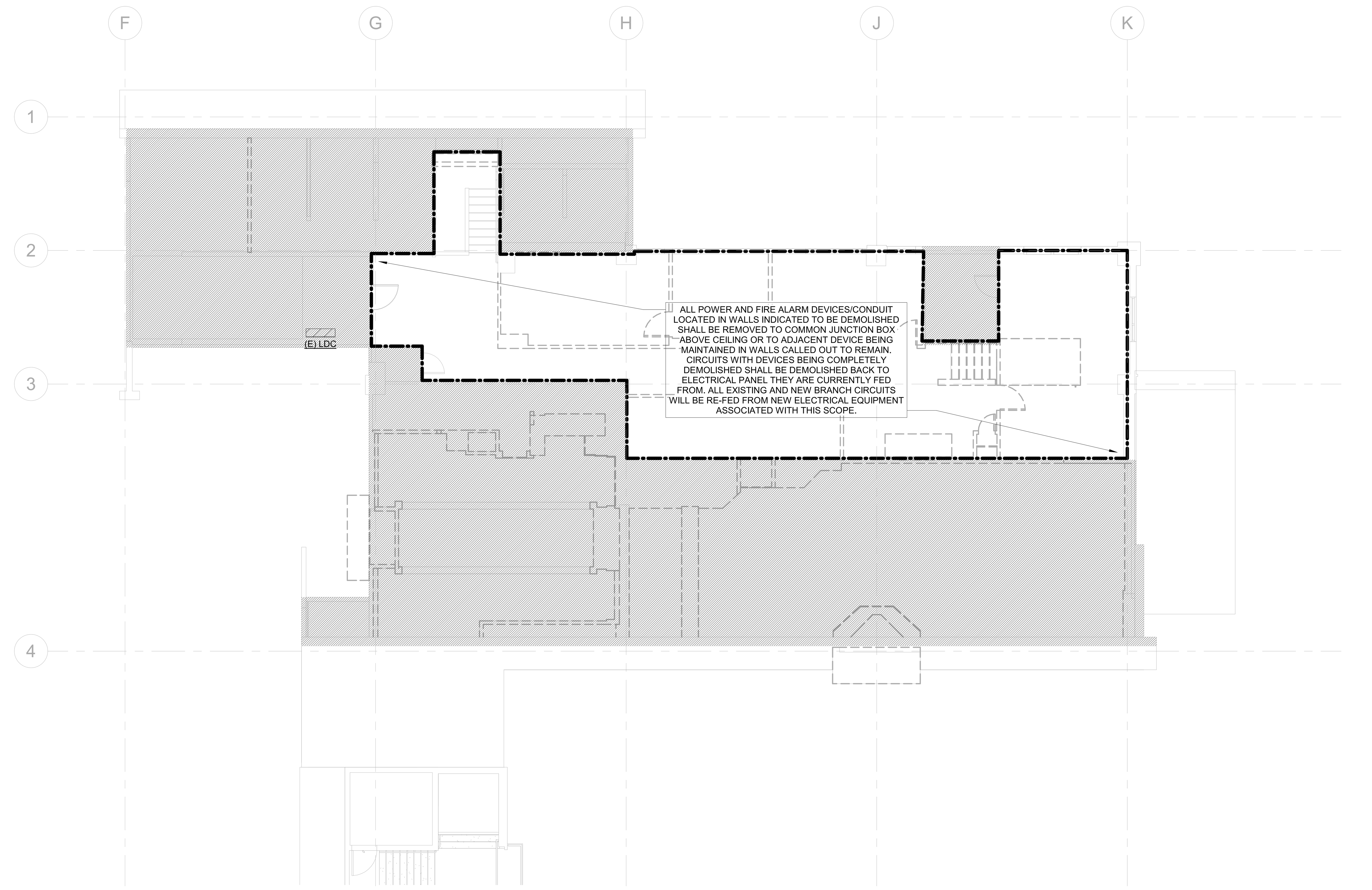
DE1.102



3 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"



1 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



2 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"

KEYNOTES	
E28	EXISTING CONDUIT PATHWAY FROM PANEL LDC TO TRANSFORMER TO BE FIELD VERIFIED. MAINTAIN EXISTING PATHWAY WHERE POSSIBLE FOR RE-USE. IF CONDUIT CANNOT BE RE-USED FOR THIS RENOVATION SCOPE DEMOLISH ENTIRE RUN. IF RE-USED, SWAB AND CLEAN CONDUIT PATHWAY, AND REPLACE ANY DAMAGED CONDUIT SEGMENTS OR FITTINGS. EXISTING PATHWAY WILL BE DEMOLISHED, INTERCEPTED, AND EXTENDED TO NEW PANEL LOCATION PER PLAN.
E29	EXISTING HEAT TRACE BRANCH CIRCUITS CURRENTLY SERVED FROM THIS PANEL SHALL BE EXTENDED AND REPOWERED FROM THE NEW PANEL LOCATED IN THIS ROOM AS INDICATED PER PLAN.
E44	EXISTING CONDUIT PATHWAY FROM PHOTO SHOP PANEL TO DISTRIBUTION BOARD SK TO BE FIELD VERIFIED. MAINTAIN EXISTING PATHWAY WHERE POSSIBLE FOR RE-USE. IF CONDUIT CANNOT BE RE-USED FOR THIS RENOVATION SCOPE DEMOLISH ENTIRE RUN. IF RE-USED, SWAB AND CLEAN CONDUIT PATHWAY, AND REPLACE ANY DAMAGED CONDUIT SEGMENTS OR FITTINGS. EXISTING PATHWAY WILL BE DEMOLISHED, INTERCEPTED, AND EXTENDED TO NEW PANEL LOCATION PER PLAN.

GENERAL NOTES:

1. THE LOCATION OF EXISTING EQUIPMENT AND DEVICES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE PROJECT BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED WHICH ARE A RESULT OF EXISTING CONDITIONS. SITE VISITS PRIOR TO SUBMISSION OF BIDS MUST BE FULLY COORDINATED WITH THE OWNER.

2. DURING DEMOLITION AND NEW CONSTRUCTION THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING AND FIRE ALARM) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE BRANCH CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.

3. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/ SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD DIRECTORIES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.

4. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

5. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.

6. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.

8. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.

9. WHERE BEAMS OR COLUMNS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE TO REMAIN UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED WITH THE CONSTRUCTION MANAGER.

10.WHEREVER ELECTRICAL MATERIALS HAVE BEEN REMOVED FROM SURFACES OF THE BUILDING OR STRUCTURE, THOSE SURFACES SHALL BE PATCHED AND REPAIRED.

11. ALL HAZARD WASTE SHALL BE PROPERLY DISPOSED OF BY A LICENSED HAZARD WASTE DISPOSAL FACILITY. ITEMS SHALL INCLUDE BUT NOT LIMITED TO FLUORESCENT LAMPS, SMOKE DETECTORS, ETC.

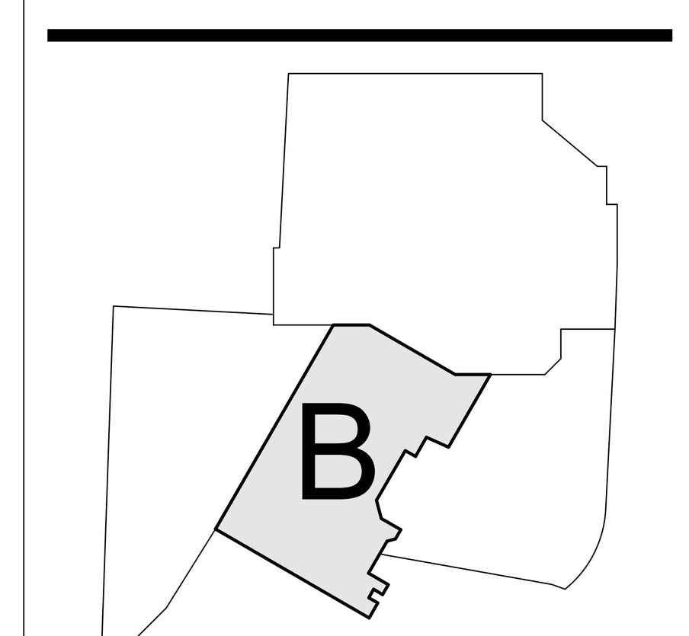
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES OR LOCATING SERVICES AND OBTAINING LOCATIONS OF ALL UNDERGROUND SERVICES IN THE GENERAL AREA OF DEMOLITION WORK.

13. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY PLANNED UTILITY INTERRUPTIONS INCLUDING INTERRUPTIONS OF POWER TO COMMUNICATIONS AND FIRE PROTECTION SYSTEMS AT LEAST 48 HOURS IN ADVANCE. REQUEST SHALL STATE THE REASON, DATE, BEGINNING TIME, AND EXPECTED DURATION OF INTERRUPTIONS. NO INTERRUPTIONS SHALL BE MADE WITHOUT THE OWNER'S WRITTEN CONCURRENCE AND INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER TO CAUSE THE LEAST IMPACT TO THE OWNER'S OPERATIONS.

14. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY SYSTEMS THAT WILL LOSE POWER OUTSIDE THE CONSTRUCTION /DEMOLITION FENCING DUE TO LOSS OF ELECTRICAL SERVICE DURING DEMOLITION OF THE EXISTING BUILDING.

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED MATTHEW JOHN O'SHEA 52253 5/21/2021

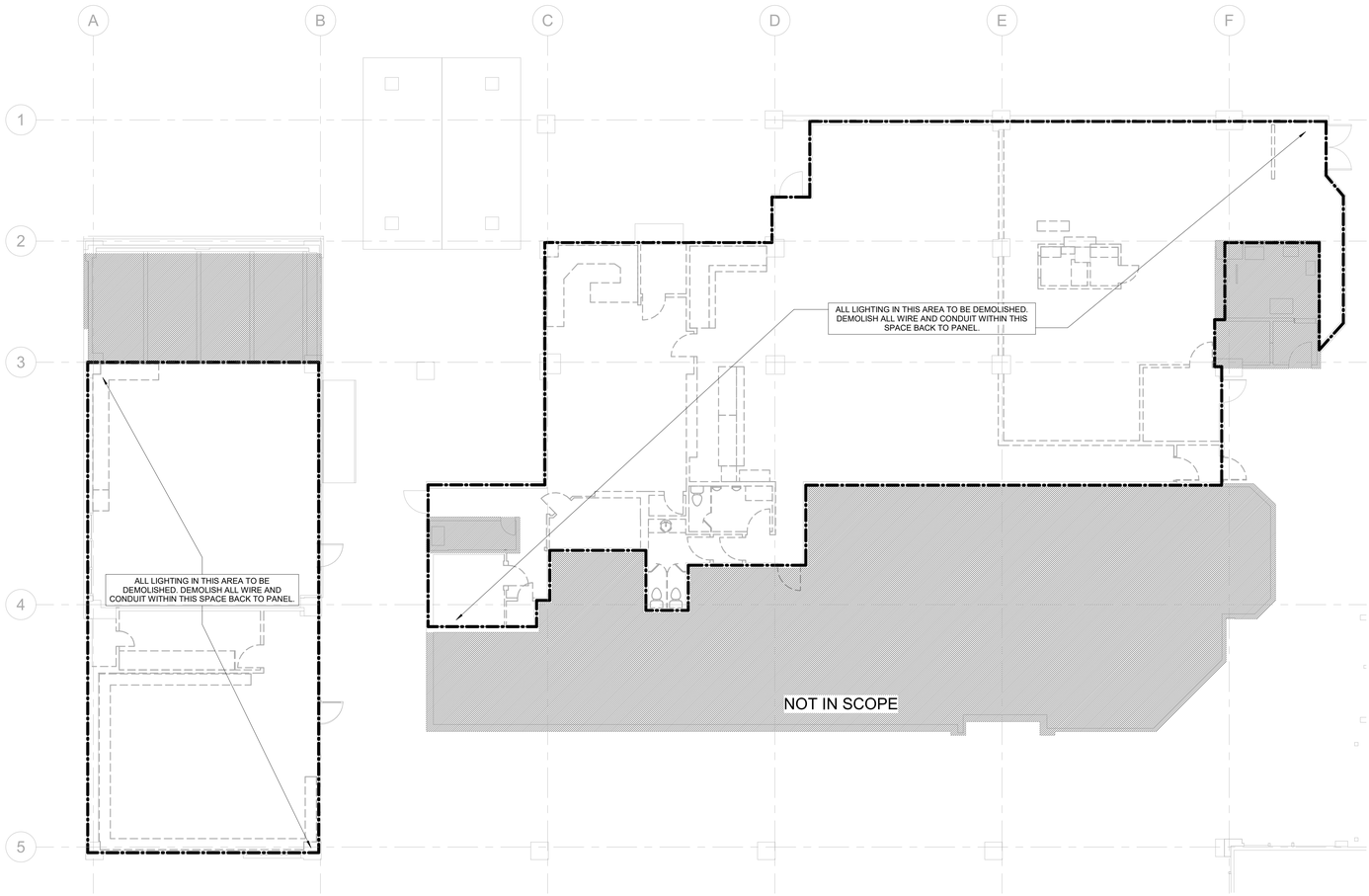
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ELECTRICAL DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04

Scale
1/8" = 1'-0"

DE1.103



1 LIGHTING DEMO PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:
BUILDING A - PWR-A:98
BUILDING C & F - PWR-C: PWR-C:19

KEYNOTES

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

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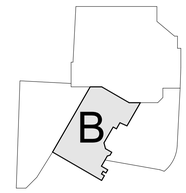
Seal / Signature

COLORADO LICENSED MATTHEW JOHN DAVIS 52253 PROFESSIONAL ENGINEER

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



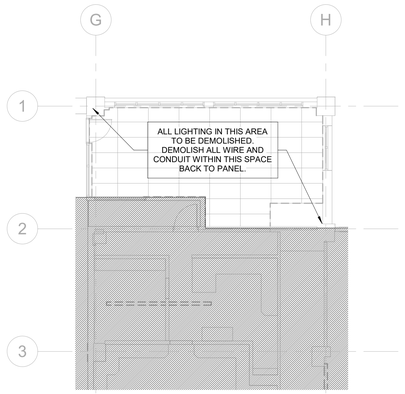
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

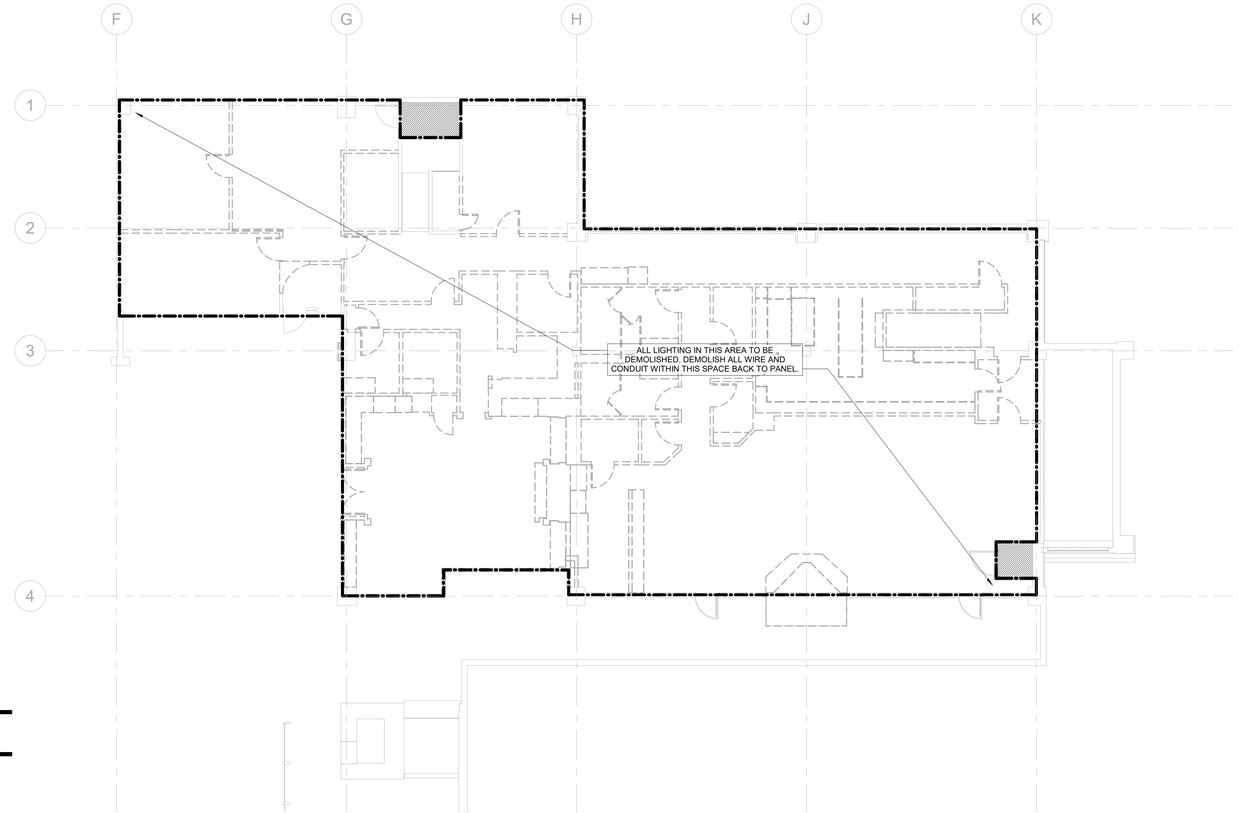
Description
LIGHTING DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

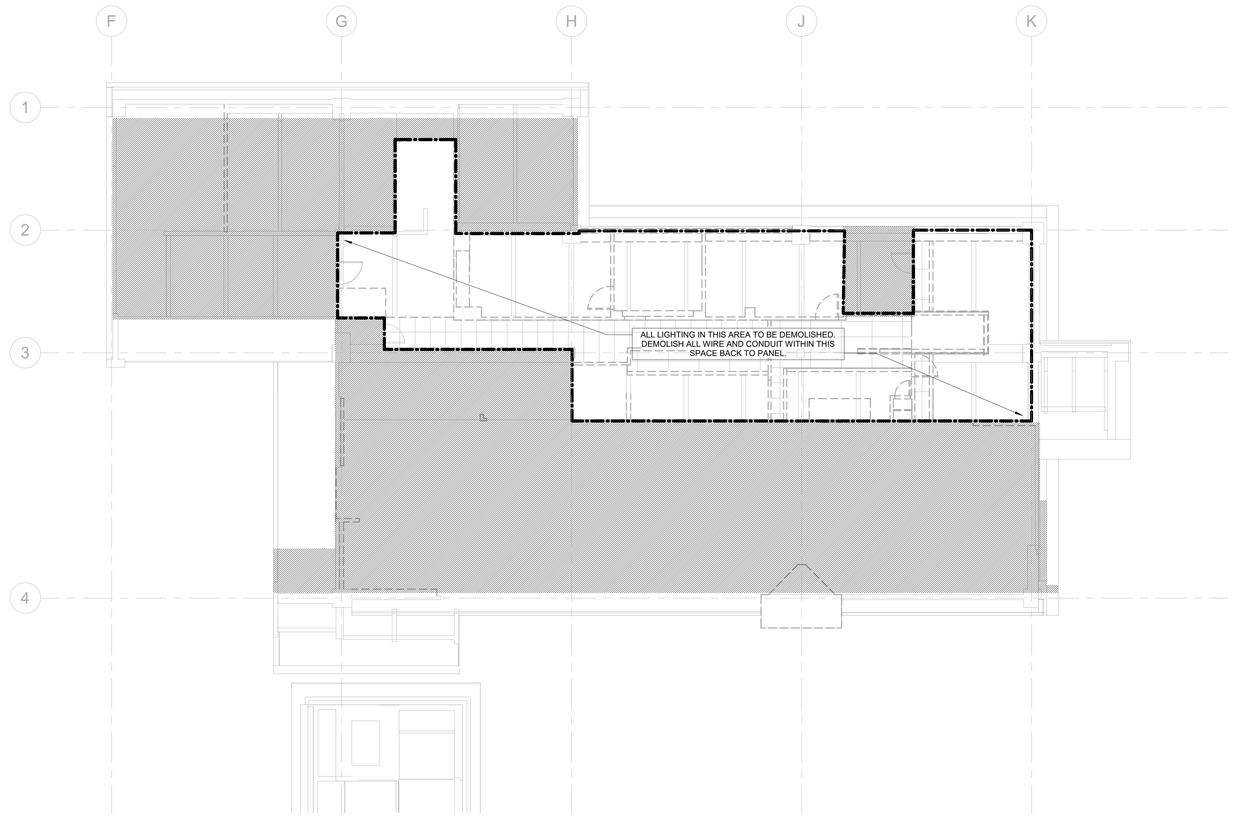
DE1.104



3 LIGHTING DEMO PLAN - A BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"



1 LIGHTING DEMO PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



2 LIGHTING DEMO PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:
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KEYNOTES

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Gensler
1225 17th Street
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Denver, CO 80202
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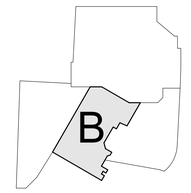
RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



Seal / Signature

COLORADO LICENSED
JONATHAN JOHN DEBOER
52253
PROFESSIONAL ENGINEER
STATE OF COLORADO

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
LIGHTING DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04

Scale
1/8" = 1'-0"

DE1.105

ME FEEDER TABLE								
			COPPER	ALUMINUM			COPPER	ALUMINUM
BKR/OCPD	TAG	SETS	FEEDER/PIPE [3W]	FEEDER/PIPE [3W]	TAG	SETS	FEEDER/PIPE [4W]	FEEDER/PIPE [4W]
20	F20	1	(3#12,#12G) 3/4"C	-	FN20	1	(4#12,#12G) 3/4"C	-
30	F30	1	(3#10,#10G) 3/4"C	-	FN30	1	(4#10,#10G) 3/4"C	-
40	F40	1	(3#8,#10G) 3/4"C	-	FN40	1	(4#8,#10G) 3/4"C	-
50	F50	1	(3#8,#10G) 3/4"C	-	FN50	1	(4#8,#10G) 3/4"C	-
50	-	-	-	-	FN50A	1	(4#8,#8G) 1"C	-
50				-	FD50A	1	(5#8,#8G) 1"C	-
60	F60	1	(3#6,#8G) 1"C	-	FN60	1	(4#6,#8G) 1"C	-
70	F70	1	(3#4,#8G) 1-1/4"C	-	FN70	1	(4#4,#8G) 1-1/4"C	-
80	F80	1	(3#4,#8G) 1-1/4"C	-	FN80	1	(4#4,#8G) 1-1/4"C	-
90	F90	1	(3#3,#8G) 1-1/4"C	-	FN90	1	(4#3,#8G) 1-1/4"C	-
100	F100	1	(3#3,#8G) 1-1/4"C	-	FN100	1	(4#3,#8G) 1-1/2"C	-
100	-	-	-	-	FN100A	1	(4#3,#8G) 1-1/2"C	-
100	-	-	-	-	FD100A	1	(5#3,#8G) 1-1/2"C	-
110	F110	1	(3#2,#6G) 1-1/2"C	-	-	-	-	-
125	F125	1	(3#1,#6G) 1-1/2"C	-	FN125	1	(4#1,#6G) 2"C	-
150	F150	1	(3#1/0,#6G) 1-1/2"C	-	FN150	1	(4#1/0,#6G) 2"C	-
175	F175	1	(3#2/0,#6G) 2"C	-	FN175	1	(4#2/0,#6G) 2"C	-
200	F200	1	(3#3/0,#6G) 2"C	(3#250,#6G) 2-1/2"C	FN200	1	(4#3/0,#6G) 2-1/2"C	(4#250,#6G) 2-1/2"C
225	F225	1	(3#4/0,#4G) 2-1/2"C	(3#300,#4G) 2-1/2"C	FN225	1	(4#4/0,#4G) 2-1/2"C	(4#300,#4G) 2-1/2"C
250	F250	1	(3#250,#4G) 2-1/2"C	(3#350,#4G) 2-1/2"C	FN250	1	(4#250,#4G) 3"C	(4#350,#4G) 3"C
250	-	-	-	-	FN250A	1	(4#250,#2G) 3"C	(4#350,#2G) 3"C
250	-	-	-	-	FD250A	1	(5#250,#2G) 3"C	(5#350,#2G) 3"C

NOTES:
1. ALL CONDUCTORS ARE WITH THHN/THWN WIRE WITH 75DEG TERMINATIONS.
2. ALL ALUMINUM FEEDERS SHALL INCLUDE COPPER EQUIPMENT GROUND CONDUCTORS.
3. ALL ALUMINUM FEEDERS TO UTILIZE COMPRESSION TERMINATIONS.
4. ALL FEEDERS AND BRANCH CIRCUITS TO MECHANICAL AND VIBRATING EQUIPMENT SHALL BE COPPER CONDUCTORS
5. ALL EMERGENCY FEEDERS TO BE COPPER CONDUCTORS.
6. FEEDERS STARTING WITH "FD" CONTAIN DOUBLE NEUTRAL.

SHORT CIRCUIT STUDY	
ALL EQUIPMENT MUST BE FULLY RATED FOR SHORT CIRCUIT / FAULT VALUES SHOWN BELOW. SERIES RATING NOT PERMITTED.	
KEY	AVAILABLE AMPS
1	23,100
2	21,588
3	19,381
4	19,290
5	9,103
6	4,780
7	NOT USED
8	NOT USED
9	NOT USED
TRANSFORMERS (150KVA OR LESS)	
BASED ON INFINITE IMPEDENCE ON THE PRIMARY. THE AVAILABLE FAULT CURRENTS ON THE SECONDARY OF A TRANSFORMER IS AS FOLLOWS	
15KVA	1343
30KVA	1665
45KVA	3903
75KVA	7330
112.5KVA	9184
150KVA	13787

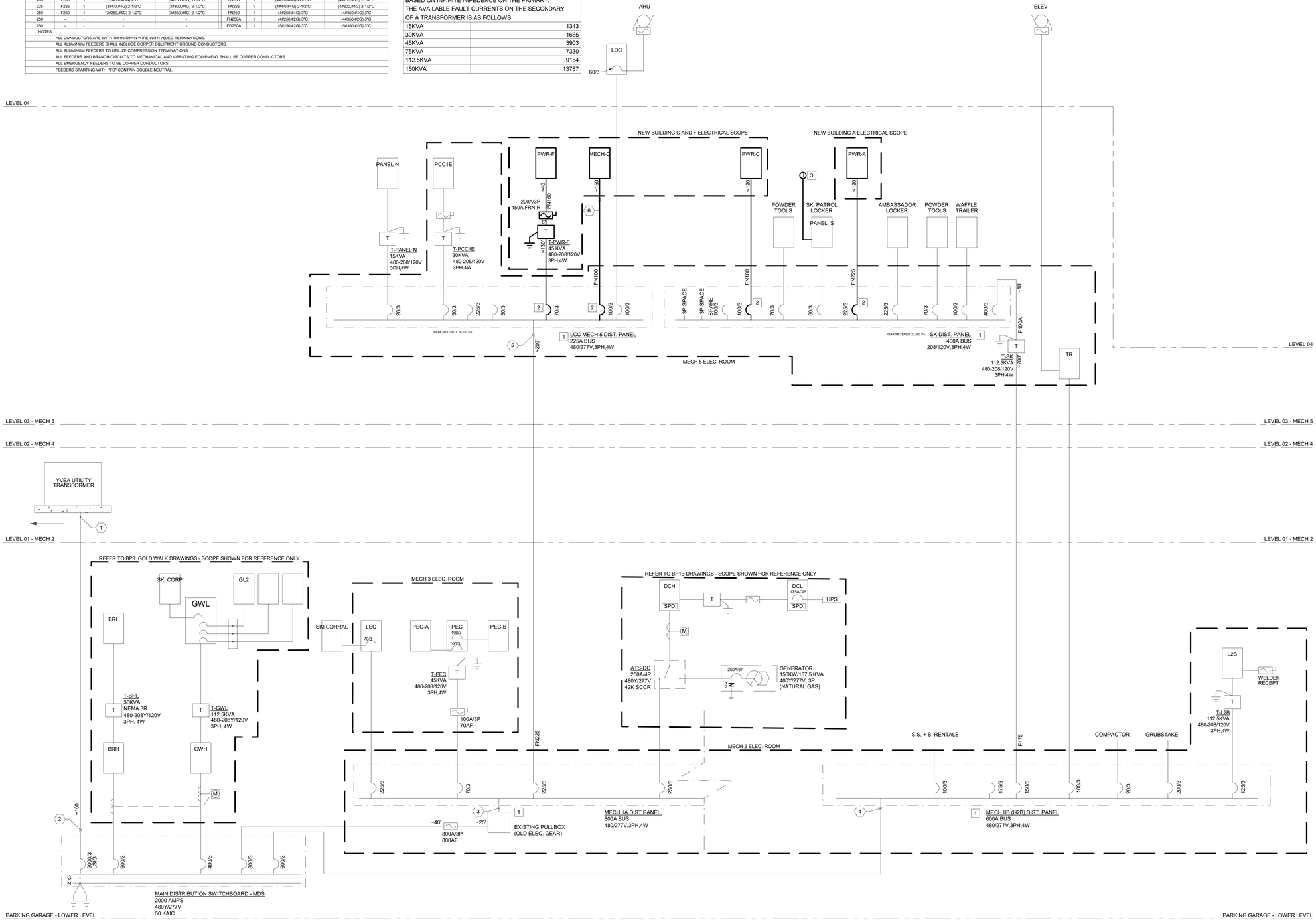
TRANSFORMER TABLE - 480V PRIMARY - 208Y/120V SECONDARY								
KVA	FL AMPS	BKR SIZE	FDR	TRANSFORMER GROUNDING ELECTRODE	FL AMPS	BKR SIZE	FDR
3PH	480V	(1)	(2)	(WIRE) PIPE	208V	(1)	(2)
15	18	30	F30	(#8 CU) 3/4"C	42	50	FN50A
30	36	50	F50	(#6 CU) 3/4"C	83	100	FN100A
45	54	70	F70	(#6 CU) 3/4"C	125	150	FN150
75	90	125	F125	(#2 CU) 3/4"C	208	250	FN250A
112.5	135	175	F175	(#1/0 CU) 1"C	312	400	FN400A
150	180	225	F225	(#1/0 CU) 1"C	416	500	FN500A
225	271	350	F350	(#2/0 CU) 1"C	626	800	FN800A
300	361	450	F450	(#3/0 CU) 1"C	833	1000	FN1000A
500	601	800	F800	(#250 KCMIL) 1"C	1388	1600	FN1600A

NOTES:
1 USE DEVICE TYPES INDICATED ON SINGLE LINE DIAGRAM.
2 REFERENCE FEEDER TABLE FOR FEEDER SIZE.

NEW SCOPE KEY:

THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE

THICK SOLID LINES IS NEW SCOPE FOR THIS PROJECT



A GONDOLA SQUARE BUILDING – EXISTING ELECTRICAL ONE–LINE DIAGRAM

NO SCALE

GENERAL NOTES:

1. ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
2. FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED BY THE CONTRACTOR. WHERE LENGTHS AND FEEDER TAGS ARE CALLED OUT ON EXISTING FEEDERS, THIS IS AN ASSUMPTION THAT ALSO WILL NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
3. ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
4. FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED 15 KVA-3.1 %Z, ISC=1,343A. 30 KVA-2.5 %Z, ISC=1,665A. 45 KVA-3.2 %Z, ISC=3,903A. 75 KVA-2.8 %Z, ISC=7,330A. 112.5 KVA-3.4 %Z, ISC=9,184A. 150 KVA-3.0 %Z, ISC=13,787A. 225 KVA-3.5 %Z, ISC=17,844A. 300 KVA-3.5 %Z, ISC=23,929A. 500 KVA-4.6 %Z, ISC=30,171A. BOARDS.
5. PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION
6. ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS 65,000 ASSUME FAULT . AVAILABLE AT THE MAIN SERVICE.

KEY NOTES:

1. EXISTING ELECTRICAL EQUIPMENT SHALL BE FULLY RATED FOR THE AVAILABLE FAULT INDICATED. FAULT CURRENT SHALL BE VERIFIED BY SHORT CIRCUIT/ FAULT CURRENT ANALYSIS AS INDICATED IN SPECIFICATIONS.
2. PROVIDE NEW BREAKER IN EXISTING ELECTRICAL PANEL/ SWITCHBOARD. VERIFY BREAKER TYPE WITH SHORT CIRCUIT AND SELECTIVE COORDINATION STUDY AS WELL AS WITH EXISTING PANEL MANUFACTURER FOR COMPATIBILITY.
3. PROVIDE BRANCH CIRCUITS FROM EXISTING PANEL AS INDICATED PER PLAN.

RCRBD
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Gensler
1225 17th Street
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Seal / Signature

COLORADO LICENSED MATTHEW JOHN OSBORNE 52253 PROFESSIONAL ENGINEER

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ELECTRICAL ONE-LINE

Scale
1/8" = 1'-0"

E0.001

FIRE ALARM SYSTEM NOTES:
1. FIRE ALARM CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM WIRING AND INSTALLATION DIAGRAMS.
2. PROVIDE COMPLETE BATTERY AND POWER SUPPLY CALCULATIONS. THESE CALCULATIONS SHALL BE INCLUDED IN A SECOND SUBMITTAL SEPARATE FROM THE FIRE ALARM DEVICE PLAN LAYOUT. DEVICES MAY SHIFT IN REVIEW OF FIRST ROUND OF SHOP DRAWINGS.
3. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR ALL INTERFACE REQUIREMENTS WITH PRE-ACTION SYSTEMS AND FLOW AND TAMPER SWITCHES (LOCATIONS / QUANTITIES)
4. REFER TO BELOW 'FIRE ALARM SYSTEM OPERATIONAL INTENT' NARRATIVE FOR GONDOLA SQUARE FIRE ALARM SYSTEM. EXISTING SYSTEM SHALL BE MAINTAINED OUTSIDE THE SCOPE OF THIS PROJECT AND COMMUNICATE WITH THE NEW SYSTEM ASSOCIATED WITH 2021/2022 SCOPES OF WORK.

PROVIDE A COMPLETE CLASS A FIRE ALARM SYSTEM COMPLIANT WITH NFPA, CITY OF STEAMBOAT SPRINGS, COLORADO AND STEAMBOAT FIRE DEPARTMENT REQUIREMENTS INCLUDING BUT NOT LIMITED TO:

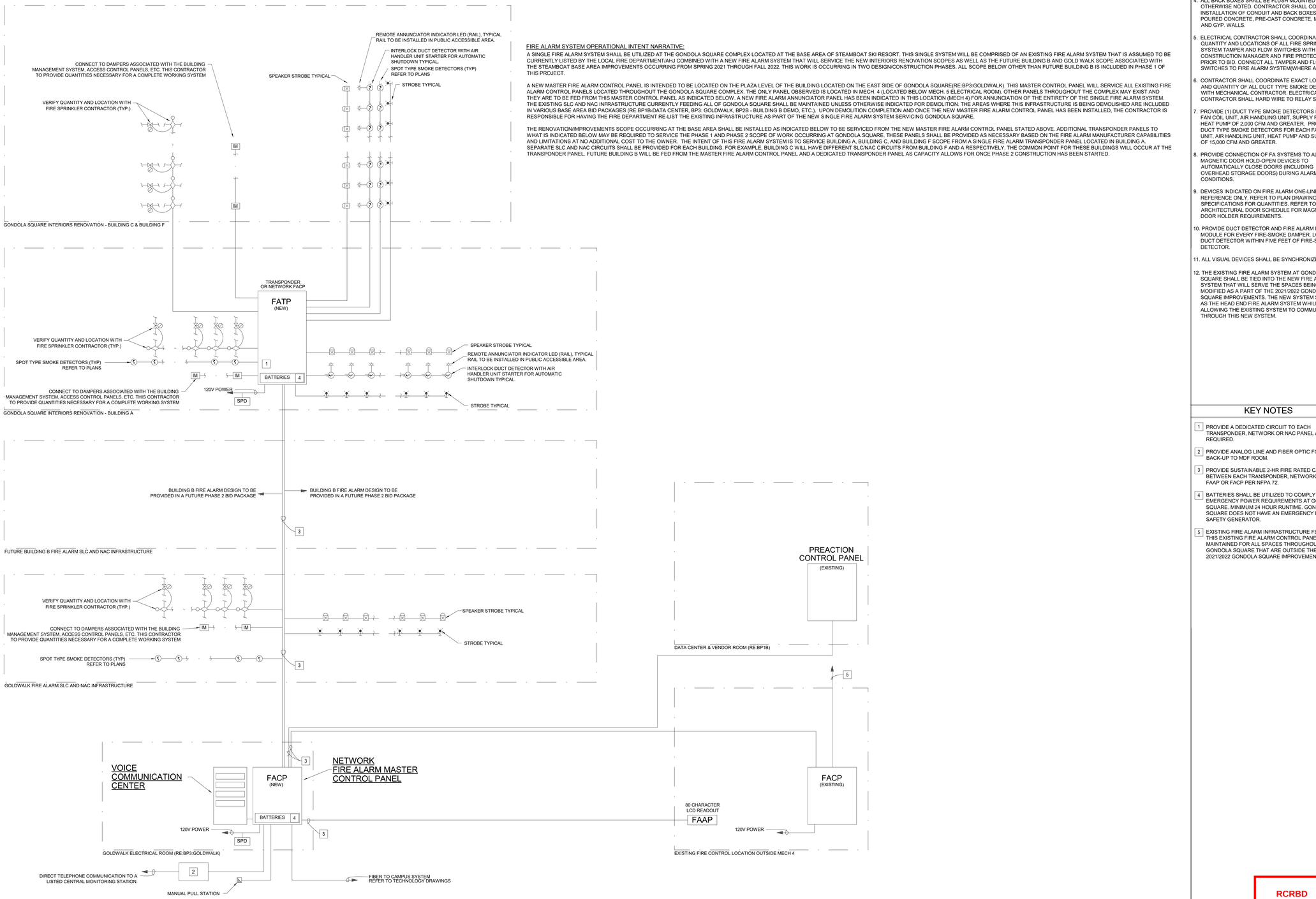
1. ELEVATOR LOBBY SMOKE DETECTORS IN FRONT OF EACH ELEVATOR. (COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.)
2. SMOKE DETECTION TO MEET CITY AND STATE CONSTRUCTION REQUIREMENTS.
3. MANUAL PULL STATIONS THROUGHOUT AS REQUIRED BY THE CITY OF STEAMBOAT AND STEAMBOAT SKI RESORT.
4. AREAS SHALL HAVE AUDIBLE AND VISUAL ANNUNCIATION.
5. DUCT TYPE SMOKE DETECTORS AT EACH FIRE/SMOKE DAMPER. REFER TO MECHANICAL/PLUMBING AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. CONNECTION OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES. REFER TO FIRE PROTECTION DRAWINGS AND CONTRACTOR FOR MORE INFORMATION.
7. FULL SMOKE DETECTOR COVERAGE IN ALL SPACES.
8. VERIFY INSTALLATION OF CEILING MOUNTED STROBES WITHIN EACH SPACE.
9. PROVIDE INTERCONNECTION TO RESORT FIBER SYSTEM. PROVIDE SOFTWARE AND HARDWARE AS REQUIRED FOR INTERFACE AT ENGINEERING/OPERATIONS OFFICE..

FIRE ALARM SYSTEM OPERATIONAL INTENT NARRATIVE:

A SINGLE FIRE ALARM SYSTEM SHALL BE UTILIZED AT THE GONDOLA SQUARE COMPLEX LOCATED AT THE BASE AREA OF STEAMBOAT SKI RESORT. THIS SINGLE SYSTEM WILL BE COMPRISED OF AN EXISTING FIRE ALARM SYSTEM THAT IS ASSUMED TO BE CURRENTLY LISTED BY THE LOCAL FIRE DEPARTMENT/AHJ COMBINED WITH A NEW FIRE ALARM SYSTEM THAT WILL SERVICE THE NEW INTERIORS RENOVATION SCOPES AS WELL AS THE FUTURE BUILDING B AND GOLD WALK SCOPE ASSOCIATED WITH THE STEAMBOAT BASE AREA IMPROVEMENTS OCCURRING FROM SPRING 2021 THROUGH FALL 2022. THIS WORK IS OCCURRING IN TWO DESIGN/CONSTRUCTION PHASES. ALL SCOPE BELOW OTHER THAN FUTURE BUILDING B IS INCLUDED IN PHASE 1 OF THIS PROJECT.

A NEW MASTER FIRE ALARM CONTROL PANEL IS INTENDED TO BE LOCATED ON THE PLAZA LEVEL OF THE BUILDING LOCATED ON THE EAST SIDE OF GONDOLA SQUARE(RE:BP3:GOLDWALK). THIS MASTER CONTROL PANEL WILL SERVICE ALL EXISTING FIRE ALARM CONTROL PANELS LOCATED THROUGHOUT THE GONDOLA SQUARE COMPLEX. THE ONLY PANEL OBSERVED IS LOCATED IN MECH. 4 (LOCATED BELOW MECH. 5 ELECTRICAL ROOM). OTHER PANELS THROUGHOUT THE COMPLEX MAY EXIST AND THEY ARE TO BE FED FROM THIS MASTER CONTROL PANEL AS INDICATED BELOW. A NEW FIRE ALARM ANNUNCIATOR PANEL HAS BEEN INDICATED IN THIS LOCATION (MECH 4) FOR ANNUNCIATION OF THE ENTIRETY OF THE SINGLE FIRE ALARM SYSTEM. THE EXISTING SLC AND NAC INFRASTRUCTURE CURRENTLY FEEDING ALL OF GONDOLA SQUARE SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED FOR DEMOLITION. THE AREAS WHERE THIS INFRASTRUCTURE IS BEING DEMOLISHED ARE INCLUDED IN VARIOUS BASE AREA BID PACKAGES (RE:BP1B-DATA CENTER, BP3: GOLDWALK, BP2B - BUILDING B DEMO, ETC.). UPON DEMOLITION COMPLETION AND ONCE THE NEW MASTER FIRE ALARM CONTROL PANEL HAS BEEN INSTALLED, THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE FIRE DEPARTMENT RE-LIST THE EXISTING INFRASTRUCTURE AS PART OF THE NEW SINGLE FIRE ALARM SYSTEM SERVICING GONDOLA SQUARE.

THE RENOVATION/IMPROVEMENTS SCOPE OCCURRING AT THE BASE AREA SHALL BE INSTALLED AS INDICATED BELOW TO BE SERVICED FROM THE NEW MASTER FIRE ALARM CONTROL PANEL STATED ABOVE. ADDITIONAL TRANSPONDER PANELS TO WHAT IS INDICATED BELOW MAY BE REQUIRED TO SERVICE THE PHASE 1 AND PHASE 2 SCOPE OF WORK OCCURRING AT GONDOLA SQUARE. THESE PANELS SHALL BE PROVIDED AS NECESSARY BASED ON THE FIRE ALARM MANUFACTURER CAPABILITIES AND LIMITATIONS AT NO ADDITIONAL COST TO THE OWNER. THE INTENT OF THIS FIRE ALARM SYSTEM IS TO SERVICE BUILDING A, BUILDING C, AND BUILDING F SCOPE FROM A SINGLE FIRE ALARM TRANSPONDER PANEL LOCATED IN BUILDING A. SEPARATE SLC AND NAC CIRCUITS SHALL BE PROVIDED FOR EACH BUILDING. FOR EXAMPLE, BUILDING C WILL HAVE DIFFERENT SLC/NAC CIRCUITS FROM BUILDING F AND A RESPECTIVELY. THE COMMON POINT FOR THESE BUILDINGS WILL OCCUR AT THE TRANSPONDER PANEL. FUTURE BUILDING B WILL BE FED FROM THE MASTER FIRE ALARM CONTROL PANEL AND A DEDICATED TRANSPONDER PANEL AS CAPACITY ALLOWS FOR ONCE PHASE 2 CONSTRUCTION HAS BEEN STARTED.



GENERAL NOTES

1. CONNECT ALL ELEVATOR LOBBY, ELEVATOR MACHINE ROOM, TOP OF SHAFT AND ELEVATOR PIT SMOKE DETECTORS TO ELEVATOR CONTROLLER FOR ELEVATOR RECALL. PROVIDE SHUNT TRIP DEVICE TO DISCONNECT ALL ELEVATOR CONTROLLERS. VERIFY SHUNT TRIP LOCATION REQUIREMENTS WITH AHJ. PROVIDE A HEAT DETECTOR AT THE TOP OF ELEVATOR SHAFT AND WITHIN TWO FEET OF EACH SPRINKLER HEAD IN ALL ELEVATOR MACHINE ROOMS. ACTIVATION OF HEAT DETECTOR TO INITIATE SHUNT-TRIP.
2. PROVIDE #18 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.
3. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO THE OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO LACK OF COORDINATION WITH THE ARCHITECT.
4. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, PRE-CAST CONCRETE, MASONRY AND GYP. WALLS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT QUANTITY AND LOCATIONS OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES WITH CONSTRUCTION MANAGER AND FIRE PROTECTION PRIOR TO BID. CONNECT ALL TAMPER AND FLOW SWITCHES TO FIRE ALARM SYSTEM(WHERE APPLICABLE).
6. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL HARD WIRE TO RELAY STARTER.
7. PROVIDE (1) DUCT TYPE SMOKE DETECTORS FOR EACH FAN COIL UNIT, AIR HANDLING UNIT, SUPPLY FAN, AND HEAT PUMP OF 2,000 CFM AND GREATER. PROVIDE (2) DUCT TYPE SMOKE DETECTORS FOR EACH FAN COIL UNIT, AIR HANDLING UNIT, HEAT PUMP AND SUPPLY FAN OF 15,000 CFM AND GREATER.
8. PROVIDE CONNECTION OF FA SYSTEMS TO ALL MAGNETIC DOOR HOLD-OPEN DEVICES TO AUTOMATICALLY CLOSE DOORS (INCLUDING OVERHEAD STORAGE DOORS) DURING ALARM CONDITIONS.
9. DEVICES INDICATED ON FIRE ALARM ONE-LINE ARE FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS AND SPECIFICATIONS FOR QUANTITIES. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR MAGNETIC DOOR HOLDER REQUIREMENTS.
10. PROVIDE DUCT DETECTOR AND FIRE ALARM RELAY MODULE FOR EVERY FIRE-SMOKE DAMPER. LOCATE DUCT DETECTOR WITHIN FIVE FEET OF FIRE-SMOKE DETECTOR.
11. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
12. THE EXISTING FIRE ALARM SYSTEM AT GONDOLA SQUARE SHALL BE TIED INTO THE NEW FIRE ALARM SYSTEM THAT WILL SERVE THE SPACES BEING MODIFIED AS A PART OF THE 2021/2022 GONDOLA SQUARE IMPROVEMENTS. THE NEW SYSTEM SHALL ACT AS THE HEAD END FIRE ALARM SYSTEM WHILE ALLOWING THE EXISTING SYSTEM TO COMMUNICATE THROUGH THIS NEW SYSTEM.

KEY NOTES

1. PROVIDE A DEDICATED CIRCUIT TO EACH TRANSPONDER, NETWORK OR NAC PANEL AS REQUIRED.
2. PROVIDE ANALOG LINE AND FIBER OPTIC FOR BACK-UP TO MDF ROOM.
3. PROVIDE SUSTAINABLE 2-HR FIRE RATED CABLE BETWEEN EACH TRANSPONDER, NETWORK PANEL, FAAP OR FACP PER NFPA 72.
4. BATTERIES SHALL BE UTILIZED TO COMPLY WITH ALL EMERGENCY POWER REQUIREMENTS AT GONDOLA SQUARE. MINIMUM 24 HOUR RUNTIME. GONDOLA SQUARE DOES NOT HAVE AN EMERGENCY LIFE SAFETY GENERATOR.
5. EXISTING FIRE ALARM INFRASTRUCTURE FED FROM THIS EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED FOR ALL SPACES THROUGHOUT GONDOLA SQUARE THAT ARE OUTSIDE THE SCOPE OF 2021/2022 GONDOLA SQUARE IMPROVEMENTS.

RCRBD
Record Set
Electrical
07/01/2021

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED
52253
PROFESSIONAL ENGINEER
07/01/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
GONDOLA SQUARE FIRE ALARM ONE-LINE DISGRAM

Scale
NOT TO SCALE

E0.002

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE

GENERAL NOTES:

1. THIS SCHEDULE IS FOR ELECTRICAL EQUIPMENT CONNECTIONS ONLY. EQUIPMENT BY OTHERS.
2. PROVIDE A DEDICATED CIRCUIT WITH A DEDICATED NEAUTRAL FOR ALL EQUIPMENT UNLESS OTHERWISE NOTED.
3. CONFIRM ALL EQUIPMENT LOCATIONS AND ELEVATIONS PRIOR TO ROUGH-IN.
4. CONFIRM ALL EQUIPMENT FEEDER, DISCONNECT AND FUSING WITH SUBMITTED/PURCHASED EQUIPMENT PRIOR TO ROUGH-IN.

REMARK NOTES:

A. PROVIDE GFCI CIRCUIT BREAKER.
B. COORDINATE LOCATION OF ELECTRICAL RECEPTACLE WITH FOUNTAIN ROUGH IN DRAWING RECOMMENDATIONS.

EQ #	EQUIPMENT DESCRIPTION	HP	LOAD (VA)	VOLTAGE	PHASE	FLA	DISCONNECT	FUSE	FEEDER	CONDUIT	REMARKS
2	GARBAGE DISPOSAL	-	1440	120 V	1	12 A	-	-	2 #12 & #12 GND	3/4"	
3	COPIER	-	1560	120 V	1	13 A	-	-	2 #12 & #12 GND	3/4"	
4	DISHWASHER	-	1560	120 V	1	13 A	-	-	2 #12 & #12 GND	3/4"	
5	DRINKING FOUNTAIN	-	600	120 V	1	5 A	-	-	2 #12 & #12 GND	3/4"	A, B
6	MICROWAVE	-	1560	120 V	1	13 A	-	-	2 #12 & #12 GND	3/4"	
7	REFRIGERATOR	-	720	120 V	1	6 A	-	-	2 #12 & #12 GND	3/4"	
9	UNDERCOUNTER REFRIGERATOR	-	360	120 V	1	3 A	-	-	2 #12 & #12 GND	3/4"	
12	SKI BOOT DRYER (DOUBLE CONNECTION)	-	156	120 V	1	1 A	-	-	2 #12 & #12 GND	3/4"	
12A	SKI BOOT DRYER - WALL CONNECTION	-	156	120 V	1	1 A	-	-	2 #12 & #12 GND	3/4"	
13	GAS COMMERCIAL DRYER	-	1440	120 V	1	12 A	30A/1P	-	2#12 & #12 GND	3/4"	
14	COMMERCIAL WASHER	-	3328	208 V	1	16 A	-	-	3 #12 & #12 GND	3/4"	
14A	RESIDENTIAL STYLE WASHER	-	1800	120 V	1	15 A	-	-	2#12 & #12 GND	3/4"	
15	COFFEE MAKER	-	1920	120 V	1	16 A	-	-	2 #12 & #12 GND	3/4"	
16	ICE/WATER DISPENSER	-	1440	120 V	1	12 A	-	-	2 #12 & #12 GND	3/4"	

LED

Type	Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
L1	21W LED, 3000 LUMENS PER 4 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS	LED STRIPLIGHT WITH DIFFUSE LENS, PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT	WHITE	120	PENDANT TO 10 FT. AFF	LITHONIA	CLX-L48-3000LM-SEF-RDL	DAYBRITE FSS LED SERIES	APPROVED ALTERNATE	ON/OFF	MEP, STORAGE, JANITOR	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L1A	38W LED, 6000 LUMENS PER 8 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS	SIMILAR TO TYPE L1 BUT 8' IN LENGTH.	WHITE	120	PENDANT TO 10 FT. AFF	LITHONIA	CLX-L96-6000LM-SEF-RDL	DAYBRITE FSS LED SERIES	APPROVED ALTERNATE	ON/OFF	MEP, STORAGE, JANITOR	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L3	23 WATT LED, 3107 LUMENS, 80 CRI, 3500K, 50000+ HOURS	RECESSED 2X4 TROFFER LIGHT FOR LAY-IN CEILINGS. FIXTURE SHALL HAVE CENTRAL LENSING OPTICS FOR LIGHT DISTRIBUTION. CONTRACTOR TO VERIFY THE APPROVED CEILING TYPE IS COMPATIBLE WITH TRIM OPTION.	WHITE	120	RECESSED	LITHONIA	2BLT4-30LHE-ADP-MVOLT-GZ10-LP835	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	OFFICES	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L3A	15 WATT LED, 1948 LUMENS, 80 CRI, 3500K, 50000+ HOURS	SAME AS L3 EXCEPT RECESSED 2X2.	WHITE	120	RECESSED	LITHONIA	2BLT2-20LHE-ADP-MVOLT-GZ10-LP835	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	OFFICES	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L4	20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS	6" DIAMETER RECESSED FIXED DOWNLIGHT, MEDIUM WIDE BEAM DISTRIBUTION, MATTE-DIFFUSE REFLECTOR, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	CLEAR	120	RECESSED	GOTHAM	EVO6-35/20-AR-MWD-LD-MVOLT-GZ10	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	CORRIDORS	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L4B	20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS	SIMILAR TO TYPE L4, EXCEPT WET LISTED AND GASKETED WITH REGRESSED LENS.	WHITE, TO BE CONFIRMED WITH ARCHITECT	120	RECESSED	GOTHAM	EVO6SH-35/20-DFR-SOL-MVOLT-GZ10	APPROVED ALTERNATE	APPROVED ALTERNATE	0-10V DIMMING	SHOWERS	PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES.
L5	20W, 2000 LUMENS, 3500K, 85 CRI, 50,000 HOURS	4" DIAMETER CYLINDRICAL PENDANT LUMINAIRE. 9" TALL, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	WHITE (VERIFY WITH ARCHITECT)	120	SUSPENDED	GOTHAM	EVO4CC-35/20-AR-LD-MVOLT-GZ10	COOPER PORTFOLIO SERIES	SIGNIFY CALCULITE SERIES	0-10V DIMMING	CONFERENCE, CORRIDORS	
L5B	20W, 2000 LUMENS, 3500K, 85 CRI, 50,000 HOURS	SAME AS L5 EXCEPT SURFACE MOUNT	WHITE (VERIFY WITH ARCHITECT)	120	SURFACE	GOTHAM	EVO4CC-35/20-AR-LD-MVOLT-GZ10	COOPER PORTFOLIO SERIES	SIGNIFY CALCULITE SERIES	0-10V DIMMING	CONFERENCE, CORRIDORS	
L6	6W/FT LED, 640 LUMENS PER FOOT, 3500K, 80+ CRI, 50,000+ HOURS	RECTANGULAR LINEAR SUSPENDED LED LUMINAIRE WITH DIFFUSE LENS AND DIRECT ONLY OPTICS. PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT. LENGTH PER PLAN TO BE FIELD VERIFIED.	WHITE (VERIFY WITH ARCHITECT)	120	SUSPENDED	PRUDENTIAL	BPRO4-LIN-FLSH-LED35-MO-8-TMW-SAL-NU-SC-UNV-^-DM01	MARK ARCHITECTURAL LIGHTING	FOCAL POINT	0-10V DIMMING	STAIRS/LOCKERS	
L7	NOT USED											
L8	4W/FT, 200+ LUMENS/FT, 3500K, 90+CRI, 50000+ HOURS	THIN LOW PROFILE UNDERCOUNTER LED WITH FROSTED LENS AND EXTRUDED ALUMINUM MOUNTING CHANNEL. LENGTH PER PLAN	STANDARD SILVER	120	SURFACE FIXED ANGLE	KELVIX	502-I-(PER PLAN)-DL-35K-WH-PV-SV-ULV	APPROVED ALTERNATE	APPROVED ALTERNATE	ON/OFF	UNDER COUNTER BREAK ROOMS	VERIFY NO DOTTING FROM DIODES
L10	6W/FT, 600 LUMENS/FT, 3500K, 80CRI, 50000+ HOURS	4" WIDE LINEAR LED (LENGTH PER PLAN). FLUSH PERIMETER MOUNT. 5" WIDE X 8 3/4" DEEP OVERALL FIXTURE DIMENSIONS	STANDARD, WHITE	120	RECESSED	PRUDENTIAL	P4S-REG1-LED35-MO-(PER PLAN)-TMW-AWL-D1R-WTW-SC-UNV-DM01	AXIS LIGHTING BEAM 4	LUMENWERX VIA PERIMETER	ELV DIMMING	ABOVE COUNTER	
L11	9W PER LUMINAIRE, 135 LUMENS, 3000K, 90 CRI	3.6" DIAMETER 7.1" HEIGHT SUSPENDED SINGLE LIGHT "SOCKET" WITH LED LUMINAIRE.	BLACK CORD AGED BRASS FINISH	120	PENDANTS	TECH LIGHTING	700 TD ALVPMC 1TBR LED930	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	ADMIN RECEPTION STAIR	PROVIDE SHOP DRAWING TO VERIFY MOUNTING HEIGHTS
L12	150W MAX, 3500K SCREW IN LED	14 INCH DIAMETER REFLECTOR WITH WOODEN TOP AND METALLIC SUSPENSION SYSTEM. PROVIDE LED SCREW BASE TYPE REPLACEMENT BULB PHILIPS 046677556891 (OR APPROVED EQUAL) IN LIEU OF INCANDESCENT.	BLACK (ARCH TO CONFIRM)	120	PENDANT	BASELITE	D514	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	BREAK ROOM	PROVIDE SAMPLE OF THIS FIXTURE FOR REVIEW PRIOR TO APPROVAL.
L14	7.5 WATT LED, 430 LUMENS, 90 CRI, 3500K, 50000+ HRS	DECORATIVE WALL MOUNTED FIXTURE WITH "TOMBSTONE" TYPE MOUNTING AND WALL PLATE WITH LUMINOUS GLOBE AT TOP OF FIXTURE.	BLACK	120	SURFACE/WALL	RBW	PAS-1W-D-PC30-35-120_TM_DEX-1P20	APPROVED ALTERNATE	APPROVED ALTERNATE	ON/OFF	BREAK	
L15	1530 LUMENS (40") / 2550 LUMENS(64"), 21W (40") / 35W (64").	LINEAR SUSPENDED LUMINAIRE WITH WOOD FINISH REFLECTOR AND FROSTED SCRYLIC LENSING	WALNUT	120	SUSPENDED	CERNO	07-150-40/64-8-D-W-35-P1/P2	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	CONFERENCE ROOMS	LENGTH AND VOLTAGE PER PLAN.
L18	A19 SCREW IN LED MEDIUM BASE E26 SOCKET	EXPOSED A19 SCREW IN LED MEDIUM BASE E26 SOCKET WITH 5" DIAMETER STEEL PAINTED BACKPLATE	PER ARCHITECT	120V	WALL	DUTTON BROWN	60125	APPROVED ALTERNATE	APPROVED ALTERNATE	ELV DIMMING	BATHROOM	

EMERGENCY

Type	Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
X1	5W LED GREEN/RED	EDGE LIT EXIT SIGN, PROVIDE WHITE OR MIRROR BACKING BETWEEN PANELS - TBD, MOUNTING AND ARROWS, SINGLE OR DOUBLE FACE, WITH UNIVERSAL MOUNTING FOR ALL CONDITIONS PER PLAN DRAWINGS - PROVIDE 90 MINUTE BATTERY BACKUP AT FULL OUTPUT	BRUSHED ALUMINUM	120	UNIVERSAL	LITHONIA	EDGR SERIES	APPROVED ALTERNATE	APPROVED ALTERNATE		PREMIUM AREAS	VERIFY LETTER & BACKGROUND COLOR WITH LOCAL AHJ

RCRBD
Record Set
Electrical
07/01/2021

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED MATTHEW JOHN STEELE 52253 PROFESSIONAL ENGINEER 07/01/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ELECTRICAL EQUIPMENT AND LIGHT FIXTURE SCHEDULES

Scale
1/8" = 1'-0"

E0.004

MDS

LOCATION: **VOLTAGE:** 480/277 Wye **BUS:** 2000 A
SUPPLY FROM: UTILITY TRANSFORMER **SCCR:** RE:ONE-LINE **MAIN:** 2000 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISITING + NEW LOADS									--	--
(EX) MECH IIA	207845	873	10100	109816	42660		8482		379776 VA	457 A
(EX) MECH IIB	92455	6296	35560	9206	13420	9120	8187		176444 VA	212 A
BP3: GOLD WALK - NEW LOADS									--	--
BRH		378	1080	258288	1750		29099		290595 VA	350 A
GWH	55372	7286	13900	32327			16320		125205 VA	151 A
CONNECTED TOTALS (V-A)	355672	14833	60640	409637	57830	9120	62088		972020 VA	1169 A
DIVERSITY FACTORS	125%	100%	58%	109%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	444590	14833	35320	447464	57830	5928	62088		1070253 VA	1287 A

NOTE:
1. BP3 LOADS INDICATED ABOVE ARE NOT INDICATED ANYWHERE ELSE IN THIS DRAWINGS SET. THESE LOADS CAN BE FOUND ON BP3: GOLD WALK DRAWINGS AND ARE NEW LOADS ASSOCIATED WITH THAT BID PACKAGE. THOSE LOADS ARE NOT NEW LOADS BEING ADDED IN THIS BID PACKAGE.

BP4D:EXISTING LOADS

(E) SK

LOCATION: MECHANICAL V 14 **VOLTAGE:** 120/208 Wye **BUS:** 400 A
SUPPLY FROM: (E) T-SK **SCCR:** **MAIN:** 400 A - MCB

LOADS SUMMARY	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISTING LOADS								--	--
EXISTING METERED LOAD								23380 VA	65 A
BP4D: DEMOLISHED LOAD								--	--
(E) PANEL_S								-9413 VA	-26 A
BP4D: NEW LOADS								--	--
PWR-A	4454	26560	6786	12820	9120	8187		67927 VA	189 A
PWR-C	1842	9000	2420	600				16062 VA	45 A
CONNECTED TOTALS (V-A)	6296	35560	9206	13420	9120	8187		97956 VA	272 A
DIVERSITY FACTORS	100%	64%	106%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	6296	22780	9746	13420	5928	8187		86016 VA	239 A

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANEL ABOVE WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21.
2. EXISTING PANEL "PANEL_S" LOCATED IN THE NEW SKI PATROL LOCKER ROOM IS CALLED OUT TO REMAIN BUT ALL EXISTING BRANCH CIRCUITING IS BEING DEMOLISHED AND NEW LOAD ON THIS PANEL IS ACCOUNTED FOR IN THIS BID PACKAGE.

(EX) MECH IIA

LOCATION: GONDOLA SQ GARAGE... **VOLTAGE:** 480/277 Wye **BUS:** 800 A
SUPPLY FROM: MDS **SCCR:** **MAIN:** 800 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISTING LOADS									--	--
EXISTING METERED LOAD	245680								245680 VA	296 A
ATS-DC		168	2700	63090	42660				108618 VA	131 A
DEMOLISHED LOAD (SUBTRACTED)									0 VA	--
(EX) GH - BOILER ROOM	-37835								-37835 VA	-46 A
BP4D: EXISTING + NEW LOADS									0 VA	--
(E) LCC	32513	705	7400	46726			8482		95826 VA	115 A
BP4D: DEDUCT FOR LOAD DUPLICATION									0 VA	--
(E) LCC DEDUCT	-32513								-32513 VA	-39 A
CONNECTED TOTALS (V-A)	207845	873	10100	109816	42660		8482		379776 VA	457 A
DIVERSITY FACTORS	125%	100%	100%	105%	100%		100%		--	--
DEMAND TOTAL (V-A)	259806	873	10050	115511	42660		8482		437382 VA	526 A

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANELS ABOVE WERE METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCT ARE TO REMOVE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.
2. EXISTING METERED LOAD AT THE TOP OF THIS LOAD SUMMARY WAS OBTAINED FROM THE UTILITY FOR THE TIME FRAME OF 1/18/20 THROUGH 1/18/21. THE VALUE INDICATED THERE IS THE PEAK OVER THAT PERIOD.
3. LOAD FROM ATS-DC IS INDICATED AS EXISTING AS THIS LOAD IS ASSOCIATED WITH BP1B SCOPE THAT WAS ADDED PRIOR TO ISSUANCE OF THIS BID PACKAGE AFTER UTILITY METERING OCCURED.

(EX) MECH IIB

LOCATION: ELECTRICAL 43 **VOLTAGE:** 480/277 Wye **BUS:** 600 A
SUPPLY FROM: MDS **SCCR:** **MAIN:** 600 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISTING LOADS									0 VA	--
EXISTING METERED LOAD	150737								150737 VA	181 A
DEMOLISHED LOAD (SUBTRACTED)									--	--
(EX) SKISTXNW - SKI SCHOOL	-58282								-58282 VA	-70 A
BP4D: EXISTING + NEW LOADS									0 VA	--
(E) T-SK	13967	6296	35560	9206	13420	9120	8187		97956 VA	118 A
BP4D: DEDUCT FOR LOAD...									0 VA	--
(E) SK DEDUCT	-13967								-13967 VA	-17 A
CONNECTED TOTALS (V-A)	92455	6296	35560	9206	13420	9120	8187		176444 VA	212 A
DIVERSITY FACTORS	125%	100%	64%	106%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	115569	6296	22780	9746	13420	5928	8187		184126 VA	221 A

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANELS ABOVE WERE METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCT ARE TO REMOVE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.
2. EXISTING METERED LOAD AT THE TOP OF THIS LOAD SUMMARY WAS OBTAINED FROM THE UTILITY FOR THE TIME FRAME OF 1/18/20 THROUGH 1/18/21. THE VALUE INDICATED THERE IS THE PEAK OVER THAT PERIOD.

Steamboat Base Village Redevelopment | **ME Engineers Inc.**

480/277 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: **225 A**
MAINS: **225 A - MLO**
GROUND BAR: **Copper**

NOTES:
1. EXISTING BREAKER SERVING EXISTING LOAD.
2. NEW BREAKER IN EXISITNG PANEL FEEDING NEW LOAD ASSOCIATED WITH THIS PROJECT SCOPE.
3. EXISTING BREAKER TO BE SPARED OUT FOR DEMOLISHED LOAD.

OPTIONS:
FEED THROUGH LUGS

PANEL: **(E) LCC**
ENCLOSURE: **Type 1**
MOUNTING: **Surface**
FED FROM: **(EX) MECH IIA**
LEVEL: **GSQ Int - LEVEL 02.5 - C BUILDIN...**
LOCATION: **MECHANICAL V 14**
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
1	--	(E) PANEL N	3	20	1	0	-14708					2	100	3	(D) LCC-RUR	EX	3
--	--	--	--	--	3			0	-14708			4	--	--	--	--	--
--	--	--	--	--	5					0	-147...	6	--	--	--	--	--
1	--	(E) PCC1E	3	50	7	0	0					8	100	3	SPARE	--	1
--	--	--	--	--	9			0	0			10	--	--	--	--	--
--	--	--	--	--	11					0	0	12	--	--	--	--	--
1	--	SPARE	3	50	13	0	11749					14	100	3	MECH-C	E...	2
--	--	--	--	--	15			0	11749			16	--	--	--	--	--
--	--	--	--	--	17					0	11749	18	--	--	--	--	--
1	--	(E) LDC	3	100	19	0	9007					20	70	3	T-PWR-F	L...	2
--	--	--	--	--	21			0	8736			22	--	--	--	--	--
--	--	--	--	--	23					0	10323	24	--	--	--	--	--
	--	SPARE	1	20	25	0	0					26	20	1	SPARE	--	
	--	SPARE	1	20	27			0	0			28	20	1	SPARE	--	
	--	SPARE	1	20	29					0	0	30	20	1	SPARE	--	
	--	SPARE	1	20	31	0	0					32	20	1	SPARE	--	
	--	SPARE	1	20	33			0	0			34	20	1	SPARE	--	
	--	SPARE	1	20	35					0	0	36	20	1	SPARE	--	
	EX	EXISTING METERED LOAD	3	20	37	25546	0					38	20	1	SPARE	--	
--	--	--	--	--	39			25546	0			40	20	1	SPARE	--	
--	--	--	--	--	41					25546	0	42	20	1	SPARE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	34959	34659	36415	106033
CNNCTD	31594	31323	32910	95826

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 480/277 Wye
LIGHTING	705	100%	705	1
RECEPTACLE	7400	100%	7400	9
MOTOR	46726	104%	48804	59
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT	8482	100%	8482	10
EV CHARGING				
EXISTING	32513	125%	40641	49
TOTAL	95826		106033	128

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANEL ABOVE WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21.

RCRBD
Record Set
Electrical
07/01/2021

MDS	(E) MECH IIA	(E) MECH IIB
(E) SK	(E) LCC	

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED
MATTHEW JOHN STEVENS
52253
PROFESSIONAL ENGINEER
07/21/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PANEL SCHEDULES

Scale
NOT TO SCALE

E0.010

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: (E) PANEL S

120/208 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 100 A | MAINS: 50 A - MCB | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: | LEVEL: GSQ Int - LEVEL 02.5 - C BUILDIN... | LOCATION: MECHANICAL V 14 | ISSUE DATE:

NOTES:
1. PROVIDE GFCI TYPE BREAKER.
2. PROVIDE NEW BREAKER IN EXISTING PANEL.

OPTIONS:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
2	X	SKI BOOT DRYERS	1	20	1	312	720					2	20	1	REC CONV LOCKERS C.201	R	2
2	X	SKI BOOT DRYERS	1	20	3			312	920			4	20	1	REC CONV EXT ENTRY C.207	R	2
2	X	SKI BOOT DRYERS	1	20	5					312	1560	6	20	1	ENTRY C.207 MICROWAVE	K	2
2	E	SKI BOOT DRYERS & BLUE BOOK RACKS	1	20	7	624	1440					8	20	1	ENTRY C.207 GARBAGE DISPOSAL	M	1,2
2	M	ACRT-C2	1	20	9			1224	180			10	20	1	ENTRY C.207 AC RCPT	R	2
2	R	SHOW WINDOW RECEPTACLES	1	20	11					360	1440	12	20	1	ENTRY C.207 ICE/WATER DISPENSER	K	1,2
2	M	CUH C7	1	20	13	106	1920					14	20	1	ENTRY C.207 COFFEE MAKER	K	2
2	M	MOTORIZED DOOR OPERATOR	1	20	15			500	720			16	20	1	ENTRY C.207 REFRIGERATOR	K	1,2
2	--	SPARE	1	20	17					0	0	18	20	1	SPARE	--	
2	--	SPARE	1	20	19	0	0					20	20	1	SPARE	--	
2	--	SPARE	1	20	21			0	0			22	20	1	SPARE	--	
2	--	SPARE	1	20	23					0	0	24	20	1	SPARE	--	
2	--	SPARE	1	20	25	0	0					26	20	1	SPARE	--	
2	--	SPARE	1	20	27			0	0			28	20	1	SPARE	--	
2	--	SPARE	1	20	29					0	0	30	20	1	SPARE	--	2
2	--	SPARE	1	20	31	0	0					32	20	1	SPARE	--	2
2	--	SPARE	2	20	33			0	0			34	20	1	SPARE	--	2
--	--	--	--	--	35					0	0	36	20	1	SPARE	--	2
2	--	SPARE	2	20	37	0	0					38	20	1	SPARE	--	2
--	--	--	--	--	39			0	0			40	20	1	SPARE	--	2
2	--	SPARE	1	20	41					0	0	42	20	1	SPARE	--	2

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	4811	3622	3449	11882
CNNCTD	5122	3856	3672	12650

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING				
RECEPTACLE	2180	100%	2180	6
MOTOR	3270	111%	3630	10
MISCELLANEOUS	936	100%	936	3
KITCHEN	5640	80%	4512	13
ELECTRIC HEAT	624	100%	624	2
EV CHARGING				
EXISTING				
TOTAL	12650		11882	33

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: PWR-A

120/208 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 225 A | MAINS: 225 A - MCB | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: (E) SK | LEVEL: GSQ Int - LEVEL 04 - A BUILDING... | LOCATION: ELECTRICAL 46 | ISSUE DATE:

NOTES:
1. PROVIDE GFCI CIRCUIT BREAKER.
2. PROVIDE BREAKER TIE FOR FURNITURE FEED BREAKERS.

OPTIONS:
FEED THROUGH LUGS

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
	R	REC OFF A.316	1	20	1	1080	1560					2	20	1	MICROWAVE BRK RM A.302	K	
	R	REC OFF A.315	1	20	3			720	180			4	20	1	REC COUNT #1 BRK RM A.302	R	
	R	REC OFF A.319	1	20	5					1080	1440	6	20	1	ICE/WATER DISPENSER BRK RM A.302	K	
2	R	FURN FEED OPEN OFF A.331	1	20	7	500	1440					8	20	1	GARB DISP BRK RM A.302	M	
2	R	FURN FEED OPEN OFF A.331	1	20	9			500	180			10	20	1	REC COUNT #2 BRK RM A.302	R	
2	R	FURN FEED OPEN OFF A.331	1	20	11					500	1560	12	20	1	DISHWASHER BRK RM A.302	K	
2	R	FURN FEED OPEN OFF A.331	1	20	13	500	1920					14	20	1	COFFEE MAKER BRK RM A.302	K	
	R	REC OFF A.330, A.329	1	20	15			720	720			16	20	1	REFRIGERATOR BRK RM A.302	K	1
	R	REC RRs & ELEC A.312	1	20	17					720	720	18	20	1	REC USB SEATS BRK RM A.302	R	
2	R	FURN FEED OPEN OFF A.310	1	20	19	500	740					20	20	1	REC CONV BRK RM A.302 SEATING	R	
2	R	FURN FEED OPEN OFF A.310	1	20	21			500	360			22	20	1	U/C REF PHONE A.309	K	
2	R	FURN FEED OPEN OFF A.310	1	20	23					500	1560	24	20	1	MICROWAVE PHONE A.309	K	
2	R	FURN FEED OPEN OFF A.310	1	20	25	500	900					26	20	1	REC OFF A.308	R	
	R	REC FLR A.304	1	20	27			920	540			28	20	1	REC PHONE A.309	R	
	R	REC WALL CONF A.304	1	20	29					900	720	30	20	1	REC CORR A.324, VEST A.328, OFF A.331 CONV	R	
	R	LOBBY GEN RECEPTS	1	20	31	360	720					32	20	1	REC OFF. A.306	R	
	X	COPY MACHINE PRINT AREA A.311	1	20	33			1560	1080			34	20	1	REC OFF A.320	R	
	R	REC COUNT #1 COPY A.311	1	20	35					180	720	36	20	1	REC OFF. A.307	R	
	R	REC COUNT #2 COPY A.311	1	20	37	180	540					38	20	1	REC CORR. A.313	R	
1	X	DRINK FOUNT CORR A.325	1	20	39			1200	720			40	20	1	REC OFF. A.330	R	
	R	REC SHOWER A.326, CORR 325	1	20	41					360	0	42	20	1	SPARE	--	
	E	CUH -A1 - AGR+SHOWER A.326	1	20	43	94	0					44	20	1	SPARE	--	
	E	CUH-A2 - WOMEN A.323	1	20	45			94	0			46	20	1	SPARE	--	
	E	EWH-1	3	30	47					2667	0	48	20	1	SPARE	--	
--	--	--	--	--	49	2667	0					50	20	1	SPARE	--	
--	--	--	--	--	51			2667	0			52	20	1	SPARE	--	
	--	SPARE	1	20	53					0	0	54	20	1	SPARE	--	
	--	SPARE	1	20	55	0	0					56	20	1	SPARE	--	
	--	SPARE	1	20	57			0	0			58	20	1	SPARE	--	
	--	SPARE	1	20	59					0	0	60	20	1	SPARE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	18690	19686	18619	56995
CNNCTD	22274	23462	22191	67927

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	4454	100%	4454	12
RECEPTACLE	26560	69%	18280	51
MOTOR	6786	108%	7326	20
MISCELLANEOUS	12820	100%	12820	36
KITCHEN	9120	65%	5928	16
ELECTRIC HEAT	8187	100%	8187	23
EV CHARGING				
EXISTING				
TOTAL	67927		56995	158

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: PWR-A

120/208 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 225 A | MAINS: MLO | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: PWR-A | LEVEL: GSQ Int - LEVEL 04 - A BUILDING... | LOCATION: ELECTRICAL 46 | ISSUE DATE:

NOTES:
1. EXISTING LOAD TO BE RECIRCUITED TO THIS PANEL FROM NEW BREAKER.
2. PROVIDE GFPE TYPE CIRCUIT BREAKER.
3. PROVIDE RED BREAKER WITH LOCKOUT PROVISION FOR FIRE ALARM.

OPTIONS:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
	L	LVL 02 OFFICE LTG	1	20	61	120	1920					62	20	1	(EX) HEAT TRACE CIRCUIT REFEED	X	1,2
	R	LVL 02 OFFICE RECEPTS	1	20	63			1080	1920			64	20	1	(EX) HEAT TRACE CIRCUIT REFEED	X	1,2
	--	SPARE	1	20	65					0	1920	66	20	1	(EX) HEAT TRACE CIRCUIT REFEED	X	1,2
	--	SPARE	1	20	67	0	1920					68	20	1	(EX) HEAT TRACE CIRCUIT REFEED	X	1,2
	R	REC OFF A.406	1	20	69			720	1100			70	20	2	IDF A.314	X	
	R	REC OFF A.405 & CORR CONV	1	20	71					720	1100	72	--	--	--	--	--
	R	REC OFF A.405	1	20	73	540	540					74	20	1	IDF A.314 REC	R	
	R	REC COUNT PRINT AREA	1	20	75			180	220			76	20	1	BLDG A LVL 04 - EM LTG	L	
	R	AC RECEPT CORRIDOR A.400	1	20	77					180	667	78	20	1	BLDG A LVL 04 - LTG	L	
	R	IT BUILD BENCH REC	1	20	79	360	383					80	20	1	BLDG A LVL 03 - EM LTG	L	
	R	IT BUILD BENCH REC	1	20	81			360	1196			82	20	1	BLDG A LVL 03 LTG	L	
	R	IT BUILD BENCH REC	1	20	83					360	1181	84	20	1	BLDG A LVL 03 CORRIDOR LTG	L	
	R	REC CONV OFF A.403	1	20	85	540	148					86	20	1	STAIRS - EM LTG	L	
	M	EXISTING ADA LIFT	1	30	87			2160	72			88	20	1	STAIRS - EM LTG	L	
	M	CP-1	1	20	89					600	440	90	20	1	BLDG A LVL 03 - CORRIDOR EM LTG	L	
3	X	FIRE ALARM TRANSPONDER PANEL	1	20	91	180	500					92	20	1	MOTORIZED DOOR OPERATOR	M	
	M	EF A3-01	1	20	93			294	500			94	20	1	MOTORIZED DOOR OPERATOR	M	
	M	EF A3-02	1	20	95					396	500	96	20	1	MOTORIZED DOOR OPERATOR	M	
	M	EF A3-03	1	20	97	396	27					98	20	1	EXIT SIGNS BUILDING A	L	
	R	FURN FEED OPEN OFF A.331	1	20	99			500	0			100	20	1	SPARE	--	
	R	FURN FEED OPEN OFF A.331	1	20	101					500	0	102	20	1	SPARE	--	
	R	FURN FEED OPEN OFF A.331	1	20	103	500	0					104	20	1	SPARE	--	
	R	FURN FEED OPEN OFF A.331	1	20	105			500	0			106	20	1	SPARE	--	
	--	SPARE	1	20	107					0	0	108	20	1	SPARE	--	
	--	SPARE	1	20	109	0	0					110	20	1	SPARE	--	
	--	SPARE	1	20	111			0	0			112	20	1	SPARE	--	
	--	SPARE	1	20	113					0	0	114	20	1	SPARE	--	
	--	SPARE	1	20	115	0	0					116	20	1	SPARE	--	
	--	SPARE	1	20	117			0	0			118	20	1	SPARE	--	
	--	SPARE	1	20	119					0	0	120	20	1	SPARE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	8233	11015	8732	27980
CNNCTD	8074	10802	8564	27440

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	4454	100%	4454	12
RECEPTACLE	7580	100%	7580	21
MOTOR	5346	110%	5886	16
MISCELLANEOUS	10060	100%	10060	28
KITCHEN				
ELECTRIC HEAT				
EV CHARGING				
EXISTING				
TOTAL	27440		27980	78

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: PWR-C

120/208 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 100 A | MAINS: MLO | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: (E) SK | LEVEL: GSQ Int - LEVEL 02.5 - C BUILDIN... | LOCATION: ELEC 104 | ISSUE DATE:

NOTES:
1. PROVIDE GFCI TYPE CIRCUIT BREAKER.

OPTIONS:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
	R	ROOM C.202 PLUG MOLD	1	20	1	1260	600					2	20	1	CP-2	M	
	R	ROOM C.202 PLUG MOLD	1	20	3			1260	540			4	20	1	RESTROOM GFCI AC RECEPTS	R	
	R	ROOM C.202 PLUG MOLD	1	20	5					1260	540	6	20	1	REC JAN CLOS LOCKER RM	R	
	R	ROOM C.202 PLUG MOLD	1	20	7	1260	0					8	20	1	SPARE	--	
	R	ROOM C.202 PLUG MOLD	1	20	9			1260	479			10	20	1	BLDG C MEP RR, CHANGING, JAN. & STORAGE LTG	L	
	R	ROOM C.202 PLUG MOLD	1	20	11					1260	106	12	20	1	CUH C1	M	
	M	ACRT C1	1	20	13	612	94					14	20	1	CUH C2	M	
1	X	DRINK FOUNT LOCKER ROOM	1	20	15			600	94			16	20	1	CUH C3	M	
	R	REC ELEC C.208, CHANG RM CONV	1	20	17					360	94	18	20	1	CUH C4	M	
	L	EXIT SIGNS BUILDING C & F	1	20	19	33	94					20	20	1	CUH C5	M	
	L	LOCKER ROOM LTG	1	20	21			1330	120			22	20	1	CUH C6	M	
		IT RACK (L6-30R)	2	30	23					1100	106	24	20	1	CUH C8	M	
--	--	--	--	--	25	1100	500					26	20	1	MOTORIZED DOOR OPERATOR	M	
	--	SPARE	1	20	27			0	0			28	20	1	SPARE	--	
	--	SPARE	1	20	29					0	0	30	20	1	SPARE	--	
	--	SPARE	1	20	31	0	0					32	20	1	SPARE	--	
	--	SPARE	1	20	33			0	0			34	20	1	SPARE	--	
	--	SPARE	1	20	35					0	0	36	20	1	SPARE	--	
	--	SPARE	1	20	37	0	0					38	20	1	SPARE	--	
	--	SPARE	1	20	39			0	0			40	20	1	SPARE	--	
	--	SPARE	1	20	41					0	0	42	20	1	SPARE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	5606	5737	4872	16215
CNNCTD	5553	5683	4826	16062

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	1842	100%	1842	5
RECEPTACLE	9000	100%	9000	25
MOTOR	2420	106%	2573	7
MISCELLANEOUS	600	100%	600	2
KITCHEN				
ELECTRIC HEAT				
EV CHARGING				
EXISTING				
TOTAL	16062		16215	45

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: PWR-F

120/208 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 150 A | MAINS: 150 A - MLO | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: T-PWR-F | LEVEL: GSQ Int - LEVEL 02.5 - C BUILDIN... | LOCATION: COMPANY STORE \| LAUNDRY 2 | ISSUE DATE:

NOTES:
1. PROVIDE SHUNT TRIP BREAKER.

OPTIONS:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
	R	DESK QUAD RECEPT BELOW PANEL	1	20	1	360	1664					2	20	2	LARGE COMMERCIAL WASHER	M	
1	R	OFFICE F.203 RECEPTS	1	20	3			540	1664			4	--	--	--	--	--
	M	SMALL RESIDENTIAL WASHER	1	20	5					1800	1440	6	20	1	GAS DRYER #1	M	
	E	GWH-1	1	20	7	500	1440					8	20	1	GAS DRYER #2	M	
	M	EF - F2-01	1	20	9			32	360			10	20	1	STORAGE F.208 RECEPT	R	
	R	REC COUNT #1 SINK AREA LAUNDRY	1	20	11					180	360	12	20	1	STORAGE F.208 RECEPTS	R	
	R	REC COUNT #2 SINK AREA LAUNDRY	1	20	13	180	180					14	20	1	REC COUNT #1 SINK AREA LAUNDRY	R	
	R	REC DESK SINK AREA LAUNDRY	1	20	15			360	705			16	20	1	BLDG F - LTG	L	
	R	REC FRONT DESK & CONV LAUNDRY	1	20	17					720	188	18	20	2	FCU F2-01	M	
	R	HR OFFICE F.205	1	20	19	720	188					20	--	--	--	--	--
	R	SECURITY F.201 CONV RECEPTS	1	20	21			540	188			22	20	2	FCU F2-02	M	
	R	SECURITY OFFICE F.204 RECEPTS	1	20	23					720	188	24	--	--	--	--	--
	R	REC OFF F.203 EXT WALL	1	20	25	720	188					26	20	2	FCU F2-03	M	
	R	REC SECURITY DESK 201	1	20	27			540	188			28	--	--	--	--	--
	R	HUDDLE F.202 RECEPTS	1	20	29					920	188	30	20	2	FCU F2-04	M	
	M	CP-1	1	20	31	600	188					32	--	--	--	--	--
	M	CU F1 - PARKING GARAGE	2	20	33			1040	500			34	20	1	MOTORIZED DOOR OPERATOR	M	
--	--	--	--	--	35					1040	500	36	20	1	MOTORIZED DOOR OPERATOR	M	
	M	CU F2 - PARKING GARAGE	2	20	37	1040	0					38	20	2	SPARE	--	
--	--	--	--	--	39			1040	0			40	--	--	--	--	--
	M	CU F3 - PARKING GARAGE	2	20	41					1040	0	42	20	2	SPARE	--	
--	--	--	--	--	43	1040	0					44	--	--	--	--	--
	M	CU F4 - PARKING GARAGE	2	20	45			1040	0			46	20	3	SPARE	--	
--	--	--	--	--	47					1040	0	48	--	--	--	--	--
	--	SPARE	1	30	49	0	0					50	--	--	--	--	--
	--	SPARE	1	20	51			0	0			52	20	1	SPARE	--	
	--	SPARE	1	20	53					0	0	54	20	1	SPARE	--	
	--	SPARE	1	20	55	0	0					56	20	1	SPARE	--	
	--	SPARE	1	20	57			0	0			58	20	1	SPARE	--	
	--	SPARE	1	20	59					0	0	60	20	1	SPARE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	9274	8995	10629	28897
CNNCTD	9007	8736	10323	28065

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	705	100%	705	2
RECEPTACLE	7400	100%	7400	21
MOTOR	19460	104%	20292	56
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT	500	100%	500	1
EV CHARGING				
EXISTING				
TOTAL	28065		28897	80

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

Steamboat Base Village Redevelopment — ME Engineers Inc. — PANEL: MECH-C

480/277 Wye, 3 Phase, 4 Wire + Gnd. 60Hz. SCCR:
BUS: 100 A | MAINS: MLO | GROUND BAR: Copper
ENCLOSURE: Type 1 | MOUNTING: Surface | FED FROM: (E) LCC | LEVEL: GSQ Int - LEVEL 02.5 - C BUILDIN... | LOCATION: ELEC 104 | ISSUE DATE:

NOTES:

OPTIONS:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A		B		C		CKT	OCP	P	DESCRIPTION	LC	N
	M	ERV-C2 SKI PATROL LKR	3	20	1	2771	0					2	20	3	SPARE	--	
--	--	--	--	--	3			2771	0			4	--	--	--	--	--
--	--	--	--	--	5					2771	0	6	--	--	--	--	--
	M	ERV-C1 SKI PATROL LKR	3	20	7	2771	0					8	30	3	SPARE	--	
--	--	--	--	--	9			2771	0			10	--	--	--	--	--
--	--	--	--	--	11					2771	0	12	--	--	--	--	--
	M	EDH-C1 SKI PATROL LKR	3	20	13	1773	0					14	20	3	SPARE	--	
--	--	--	--	--	15			1773	0			16	--	--	--	--	--
--	--	--	--	--	17					1773	0	18	--	--	--	--	--
	M	EDH-C2 SKI PATROL LKR	3	20	19	1773	0					20	20	1	SPARE	--	
--	--	--	--	--	21			1773	0			22	20	1	SPARE	--	
--	--	--	--	--	23					1773	0	24	20	1	SPARE	--	
	E	EWH - 1	3	20	25	2661	0					26	20	1	SPARE	--	
--	--	--	--	--	27			2661	0			28	20	1	SPARE	--	
--	--	--	--	--	29					2661	0	30	20	1	SPARE	--	
	--	SPACE	1	--	31	--	--					32	--	1	SPACE	--	
	--	SPACE	1	--	33			--	--			34	--	1	SPACE	--	
	--	SPACE	1	--	35					--	--	36	--	1	SPACE	--	
	--	SPACE	1	--	37	--	--					38	--	1	SPACE	--	
	--	SPACE	1	--	39			--	--			40	--	1	SPACE	--	
	--	SPACE	1	--	41					--	--	42	--	1	SPACE	--	

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	12442	12442	12442	37326
CNNCTD	11749	11749	11749	35248

DOWNSTREAM FEED THROUGH LUG PANELS

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 480/277 Wye
LIGHTING				
RECEPTACLE				
MOTOR	27266	108%	29344	35
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT	7982	100%	7982	10
EV CHARGING				
EXISTING				
TOTAL	35248		37326	45

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

RCRBD
Record Set
Electrical
07/01/2021

(E) PANEL S	PWR-A	PWR-A
PWR-C	PWR-F	MECH-C

Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED PROFESSIONAL ENGINEER MATTHEW JOHN O'BOYLE 52253 5/21/2021

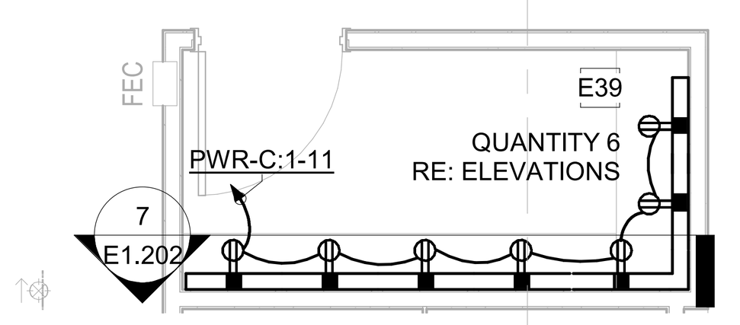
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

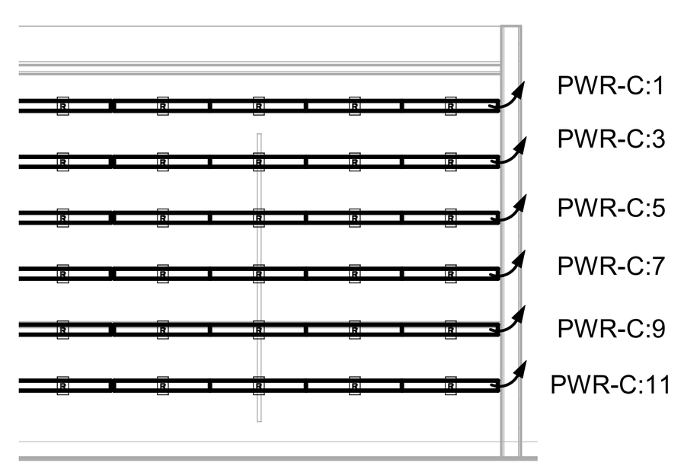
Description
PANEL SCHEDULES

Scale
NOT TO SCALE

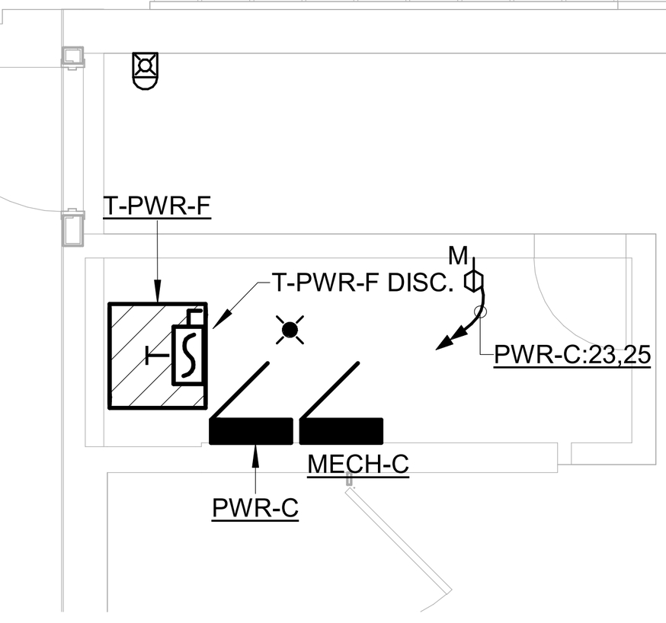
E0.011



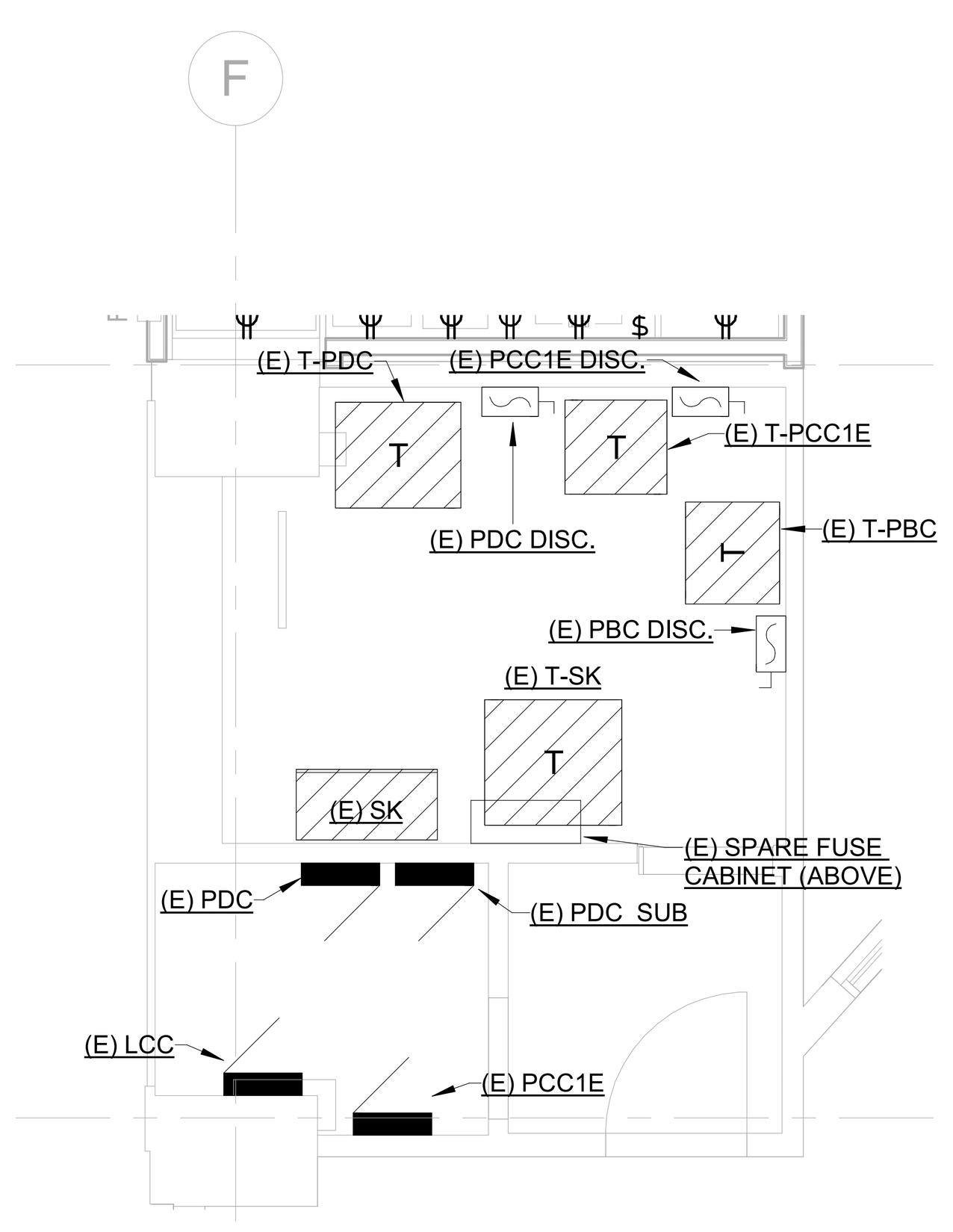
5 STORAGE ROOM C.202 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



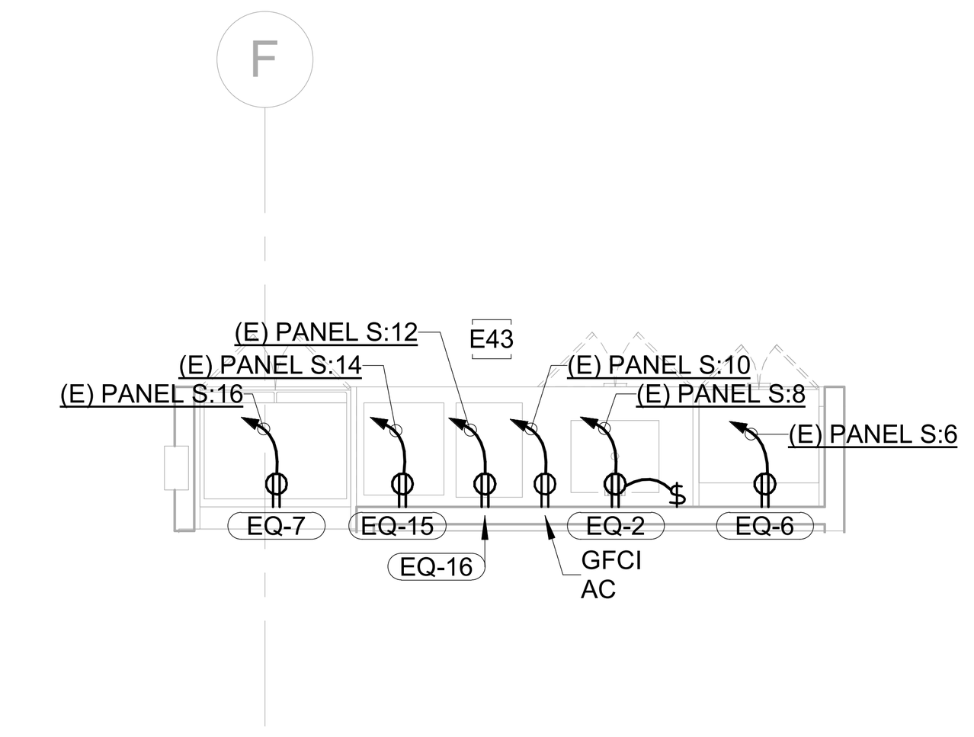
7 STORAGE C.202 CHARGING ROOM SOUTH
SCALE: 1/4" = 1'-0"



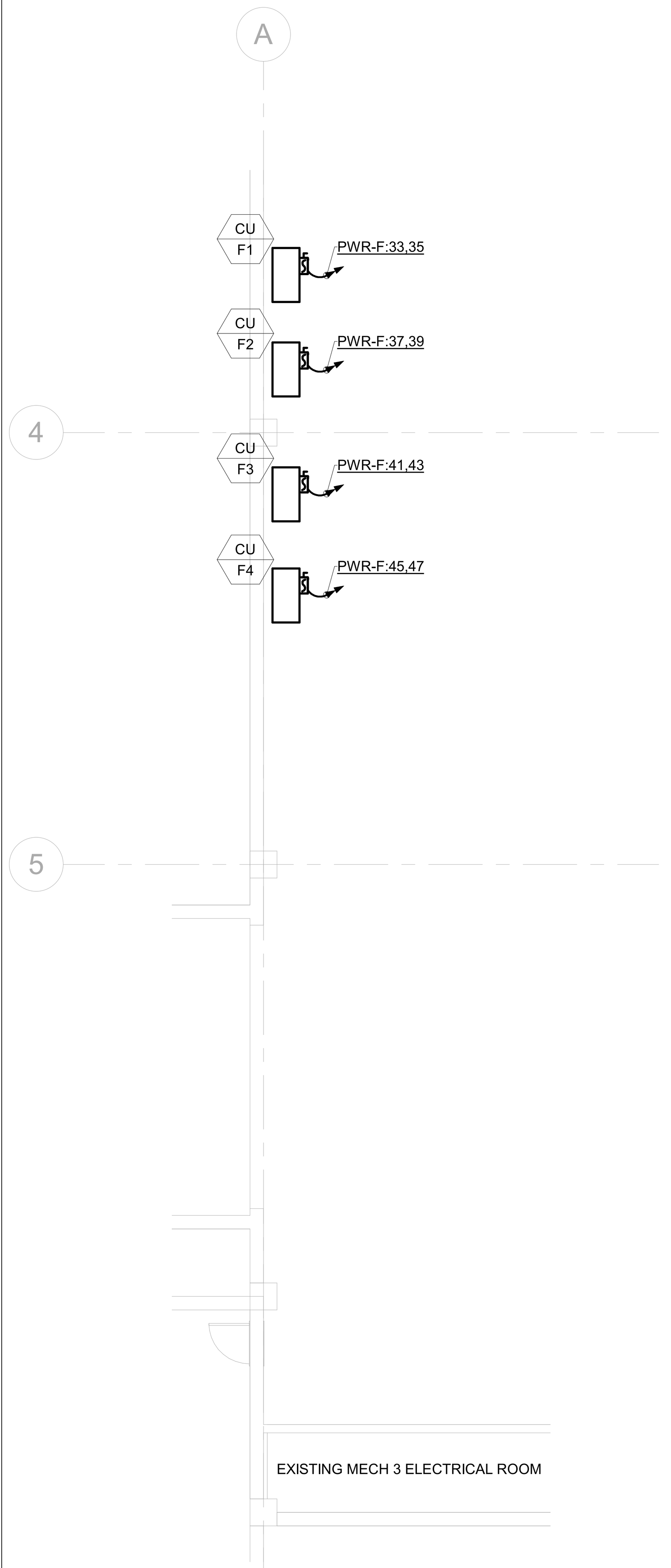
2 ENLARGED ELEC. BUILDING C - NEW
SCALE: 1/4" = 1'-0"



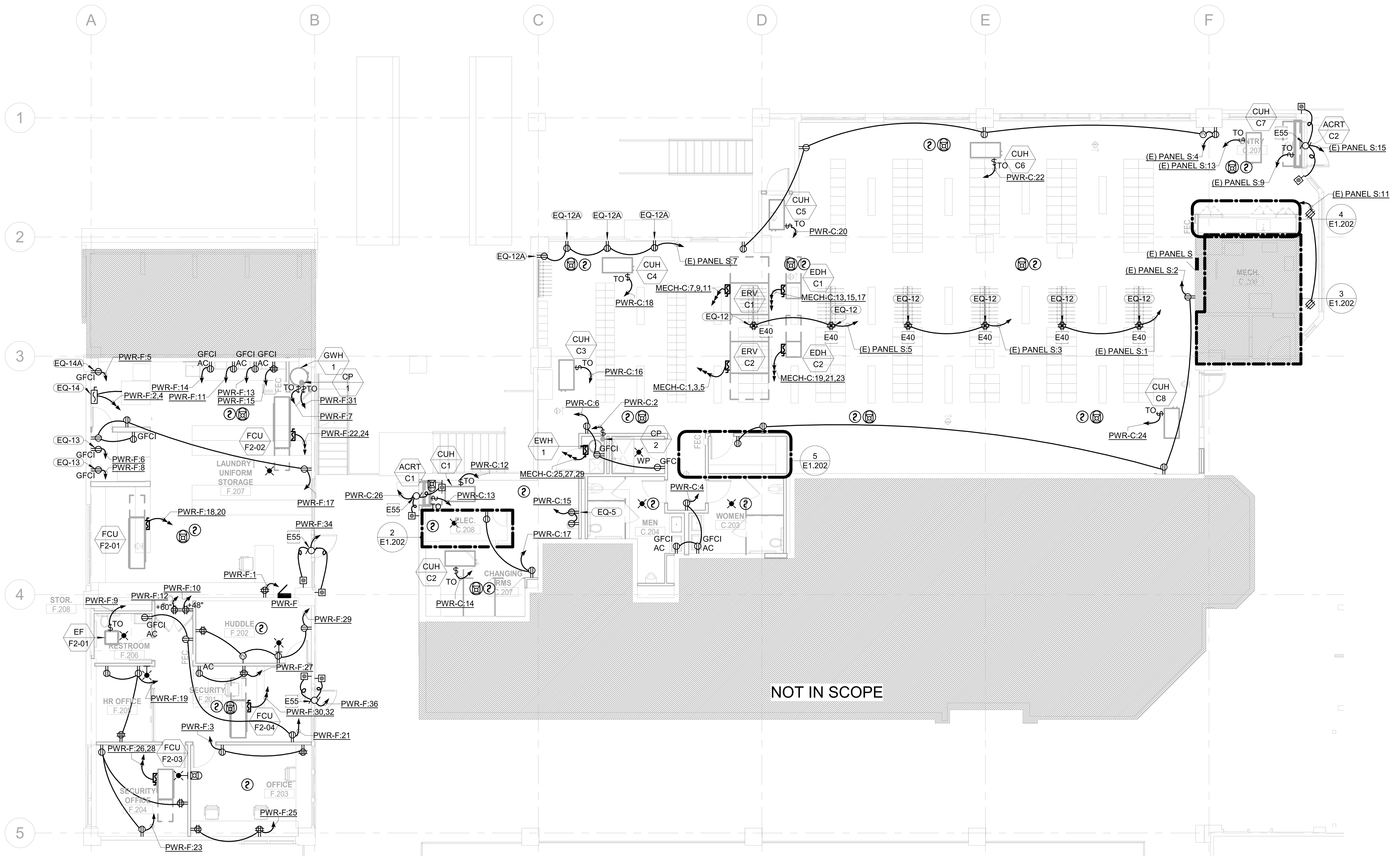
3 ENLARGED MECH. 5 ELEC. BUILDING C - EXISTING
SCALE: 1/4" = 1'-0"



4 ENTRY C.207 ELECTRICAL COUNTER ENLARGED PLAN
SCALE: 1/4" = 1'-0"



6 ELECTRICAL PLAN - CHRISTY'S LOWER LEVEL 01
SCALE: 1/8" = 1'-0"



1 ELECTRICAL PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

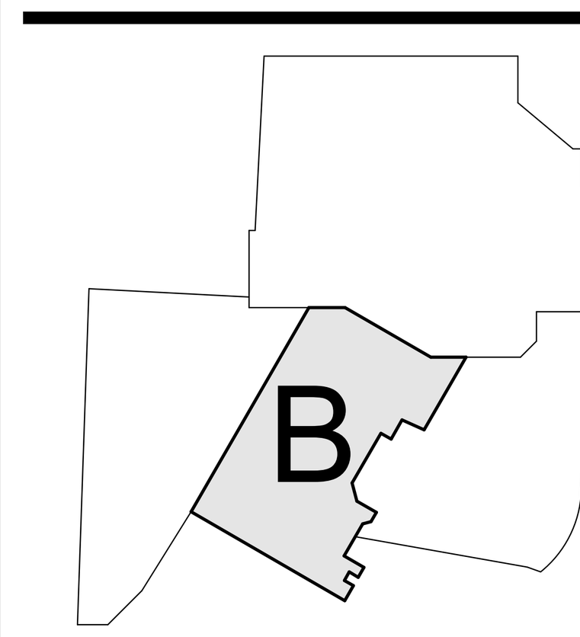
5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

KEYNOTES

E39	PROVIDE SURFACE MOUNTED PLUG MOLD WITH DUPLEX RECEPTACLE 1'-0" O.C. CONFIRM MOUNTING HEIGHT WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
E40	PROVIDE 6" FLOOR BOX FOR BOOT DRYERS. REFER TO DETAIL 13/E8.000 FOR ADDITIONAL DETAILS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
E43	REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT EQUIPMENT LOCATIONS. EQUIPMENT CONNECTIONS SHALL BE LOCATED BEHIND EQUIPMENT FOR EASE OF CONNECTION.
E55	PROVIDE 20A, 120V CIRCUIT FOR MOTORIZED DOOR OPERATOR. COORDINATE WITH DOOR HARDWARE AND ARCHITECT. PROVIDE CONNECTION TO HANDICAP PUSH BUTTONS AS REQUIRED.

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



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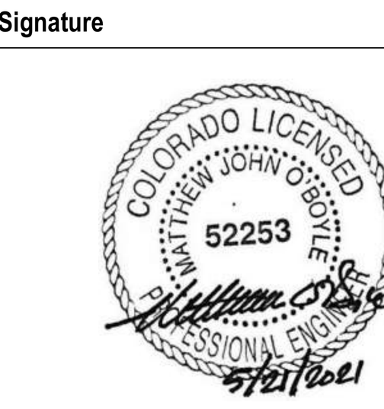
△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature



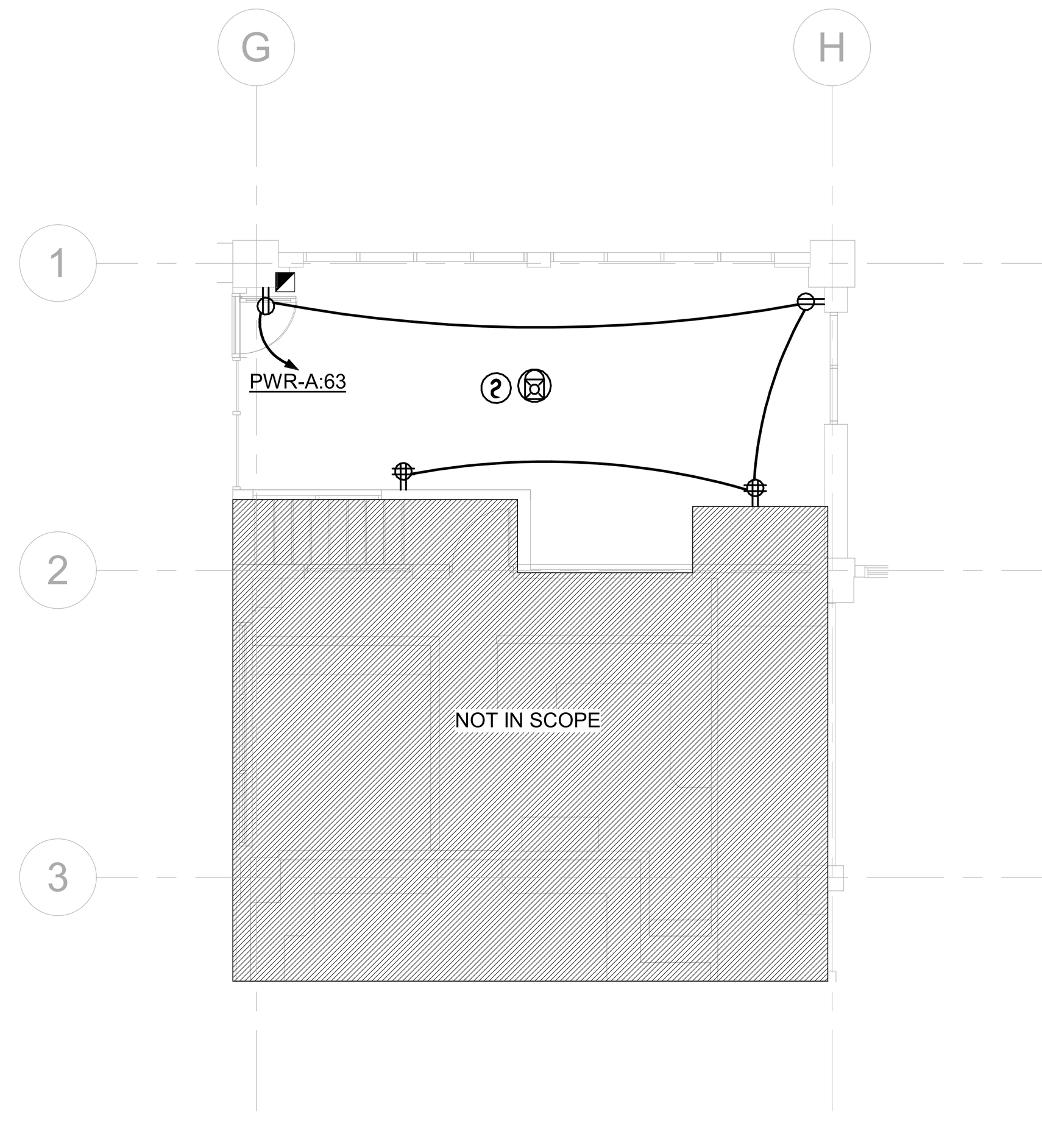
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

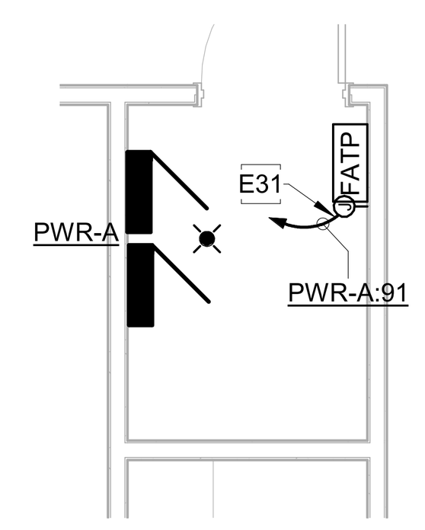
Description
ELECTRICAL PLAN - C & F BUILDING LEVEL 02

Scale
As indicated

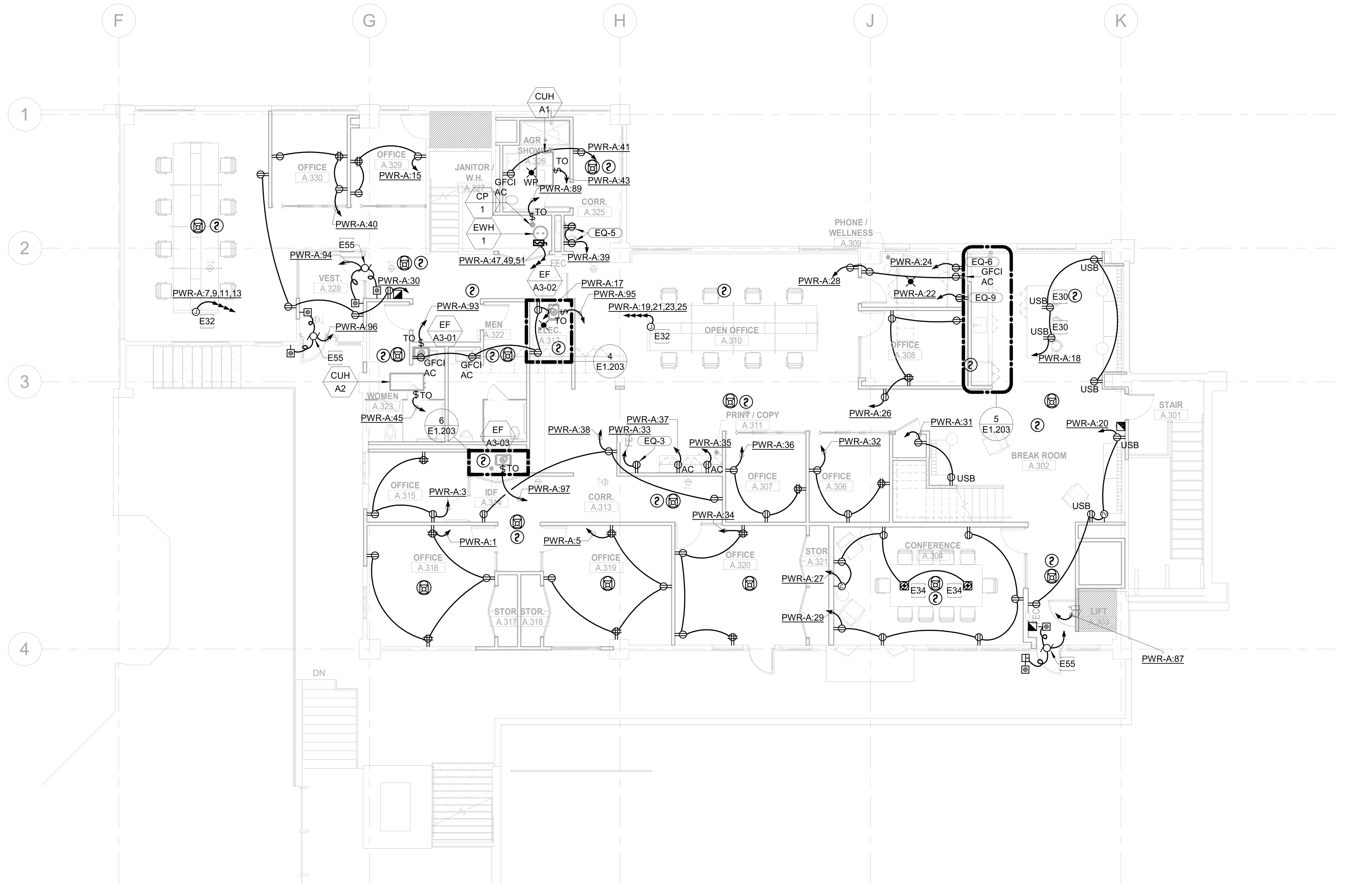
E1.202



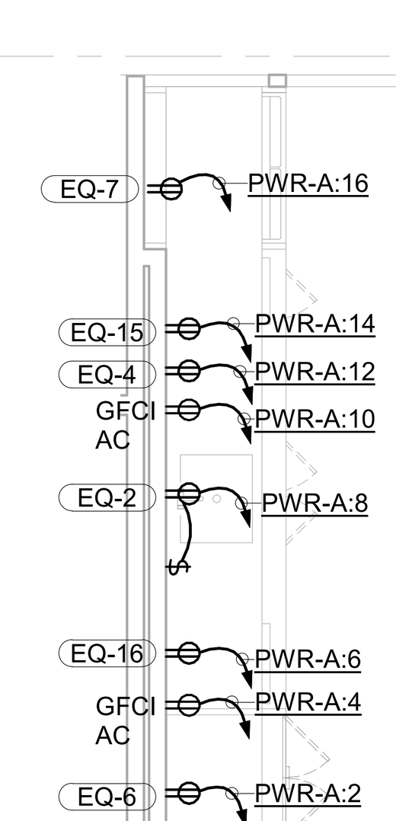
3 ELECTRICAL PLAN - A BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"



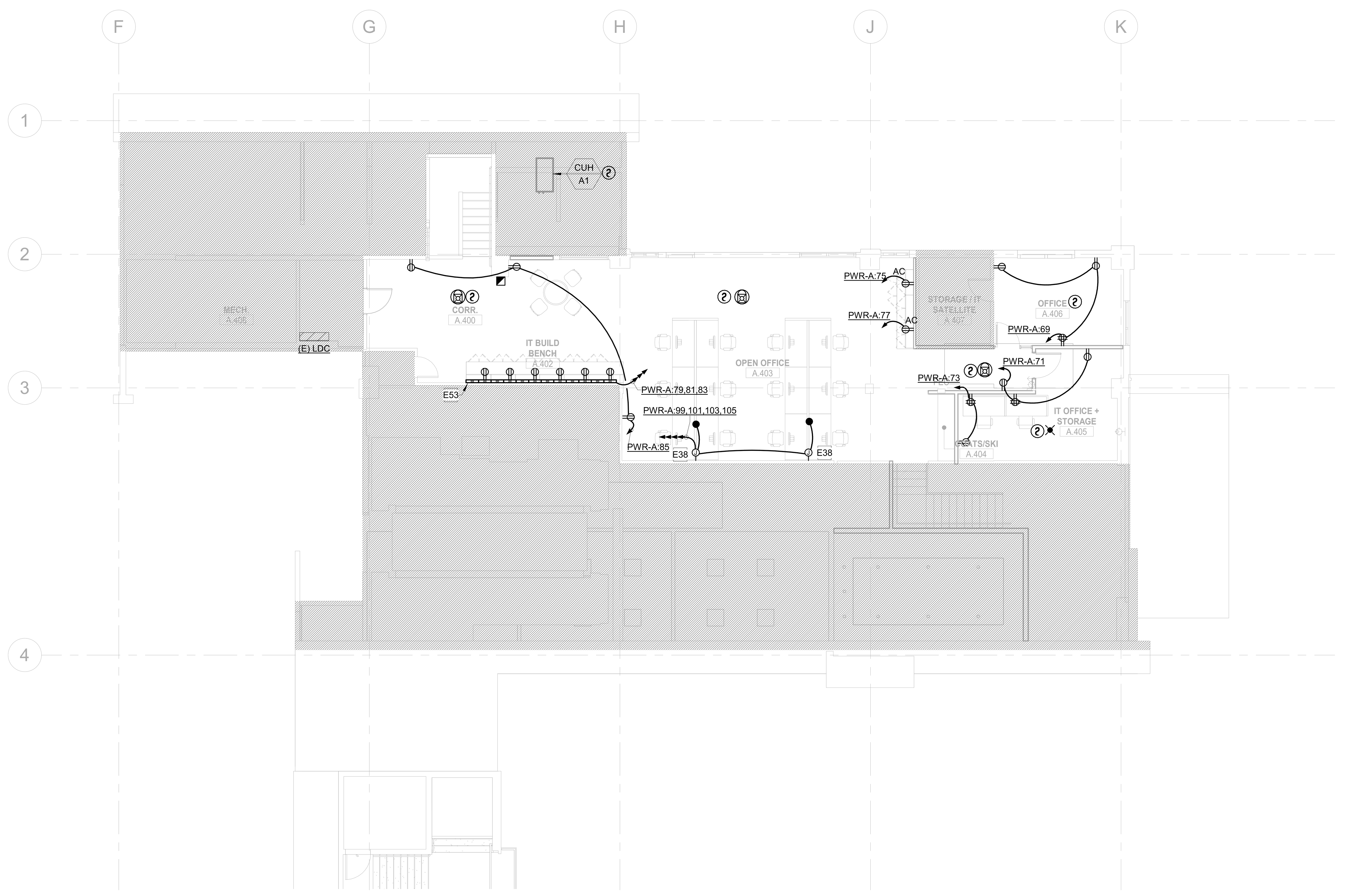
4 ENLARGED ELEC BUILDING A - NEW
SCALE: 1/4" = 1'-0"



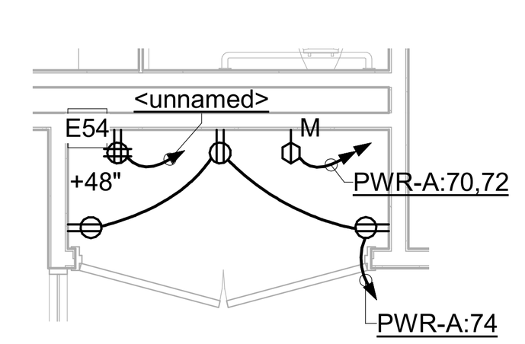
1 ELECTRICAL PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"



5 BREAK ROOM A.302 ELECTRIAL ENLARGED PLAN
SCALE: 1/4" = 1'-0"



2 ELECTRICAL PLAN - A BUILDING LEVEL 04
SCALE: 1/8" = 1'-0"



6 ENLARGED ELEC/IDF BUILDING A - IDF NEW
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

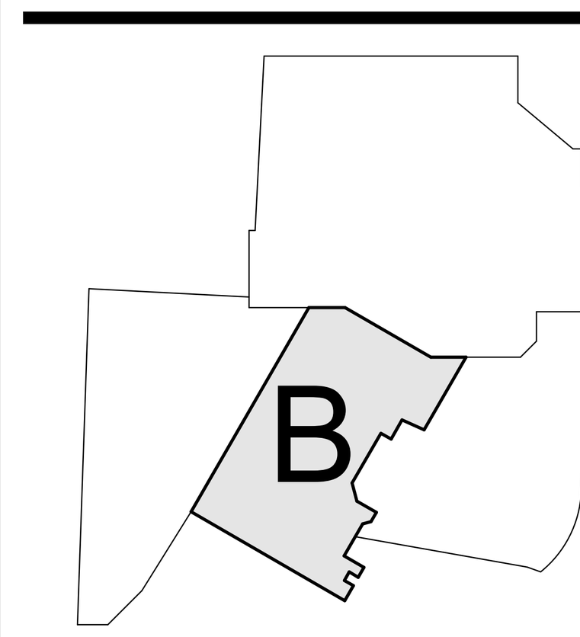
5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

KEYNOTES

E30	PROVIDE STUB UP FROM BELOW FOR RECEPTACLE MOUNTED WITHIN MILLWORK. REFER TO ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT RECEPTACLE LOCATION.
E31	PROVIDE 120V/1P ELECTRICAL CONNECTION FOR FIRE ALARM TRANSPONDER PANEL. TRANSPONDER PANEL TO TIE INTO THE REST OF THE BUILDING FIRE ALARM SYSTEM FOR A SINGLE SYSTEM THROUGHOUT GONDOLA SQUARE. FIRE ALARM MANUFACTURER TO MATCH BASE BUILDING FIRE ALARM SYSTEM FOR INTERFACE WITH GONDOLA SQUARE EXISTING FIRE ALARM SYSTEM. PROVIDE RED FIRE ALARM BREAKER AND BREAKER LOCKOUT FOR BREAKER AT PANEL.
E32	PROVIDE 4 CIRCUIT, 8-WIRE, FLOOR MOUNTED FURNITURE FEED FOR PRE-WIRED FURNITURE. COORDINATE EXACT LOCATION AND WIRE CONFIGURATION WITH ARCHITECT AND FURNITURE CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DETAIL 11/E8.000 FOR MORE INFORMATION.
E34	PROVIDE RECESSED POKE THRU FOR POWER/DATA/AV. REFER TO TECHNOLOGY AND AV PLANS FOR EXACT LOW VOLTAGE CONNECTION REQUIREMENTS AT FLOOR BOX. PROVIDE 1" CONDUIT AT MINIMUM FOR AV/IT CONNECTIONS. REFER TO DETAIL 14/E8.000 FOR MORE INFORMATION.
E38	PROVIDE 4 CIRCUIT, 8-WIRE, WALL MOUNTED FURNITURE FEED FOR PRE-WIRED FURNITURE. COORDINATE EXACT LOCATION AND WIRE CONFIGURATION WITH ARCHITECT AND FURNITURE CONTRACTOR PRIOR TO ROUGH-IN. REFER TO DETAIL 12/E8.000 FOR MORE INFORMATION.
E53	PROVIDE DUAL CHANNEL RACEWAY TYPE ALA4800 (OR APPROVED EQUAL), MOUNTED ABOVE COUNTER WITH DEVICES 3' O.C. ADJACENT ELECTRICAL DEVICES SHALL NOT SHARE A COMMON CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. REFER TO DETAIL 6/E.8000 FOR MORE INFORMATION.
E54	PROVIDE 120V/1P CONNECTION TERMINATED AT NEMA 5-20R QUAD DEVICE FOR ACCESS CONTROL PANEL (ACP). REFER TO TECHNOLOGY DRAWINGS FOR EXACT CONNECTION REQUIREMENTS.
E55	PROVIDE 20A, 120V CIRCUIT FOR MOTORIZED DOOR OPERATOR. COORDINATE WITH DOOR HARDWARE AND ARCHITECT. PROVIDE CONNECTION TO HANDICAP PUSH BUTTONS AS REQUIRED.

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



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MARTIN/MARTIN CONSULTING ENGINEERS
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△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

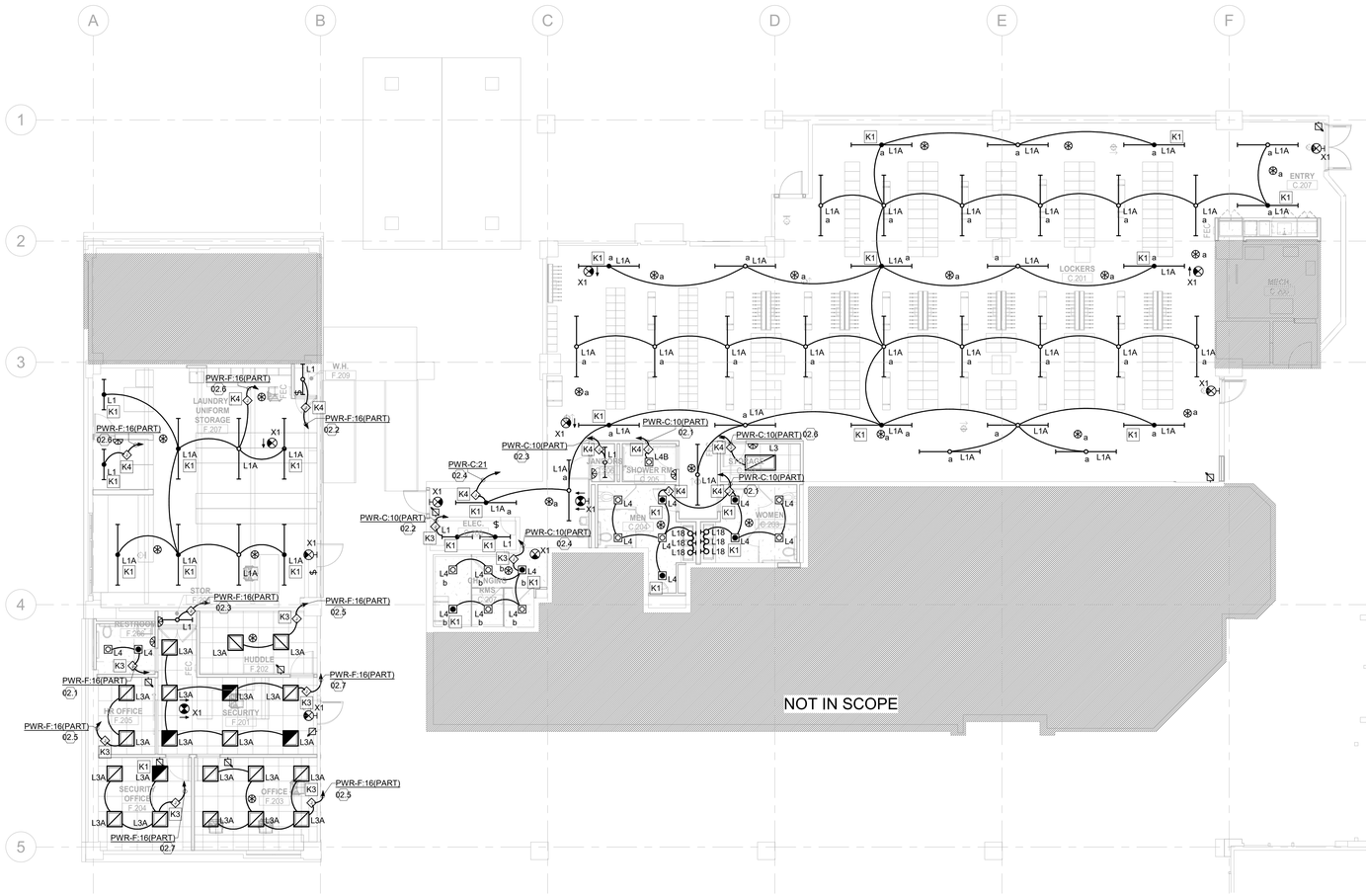
Project Number
003.7835.000

Description
ELECTRICAL PLAN - A BUILDING LEVEL 02, 03, & 04

Scale
As indicated

E1.203

LEVEL 02 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONDOLA SQUARE BUILDINGS C & F													
THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM. LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS. THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IECC 2018 AS THE PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES MINIMUM REQURIEMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS.								SCENES					
SYMBOL	SPACE TYPE DESCRIPTION	CONTROL TYPE						MAINTENANCE	EVENT	WEEKDAY	WEEKEND	USER DEFINED 01	USER DEFINED 02
		DL	DIM	OS	VS	TC	LS						
LEVEL 02 - BUILDING C & BUILDING F													
02.1	RESTROOMS/SHOWER ROOMS	-	-	X	X	X	-						
02.2	MEP ROOMS	-	-	-	-	-	X						
02.3	STORAGE ROOMS/JANITOR	-	-	-	X	-	X						
02.4	LOCKERS/CHANGING ROOMS	-	-		X	X	X						
02.5	OFFICES/HUDDLE	-	X	-	X	-	X						
02.6	LAUNDRY/UNIFORM STORAGE	-	-	-	X	-	X						
02.7	SECURITY OFFICE	-	-	-	-	-	X						



GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

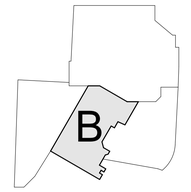
5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:
   BUILDING A - PWR-A:98
   BUILDING C & F - PWR-C: PWR-C:19

KEYNOTES

K1	PROVIDE INTEGRAL 90-MINUTE BATTERY PACK WITHIN LIGHT FIXTURE. BATTERY SHALL BE CIRCUITED TO THE LINE SIDE OF THE LINE VOLTAGE SWITCH CONTROLLING THE LIGHTS WITHIN THIS ROOM.
K3	PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. LOCATE ROOM CONTROLLER IN ACCESSIBLE LOCATION NOT VISIBLE TO THE OCCUPANT SPACE. LOCATE ABOVE THE DOOR ENTERING INTO THE SPACE WHERE POSSIBLE AND CEILINGS ALLOW. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XX/E8.00X FOR MORE INFORMATION.
K4	PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XX/E8.00X FOR MORE INFORMATION.

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△ Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED 52253 PROFESSIONAL ENGINEER 07/01/2021

Project Name
Steamboat Base Village Redevelopment

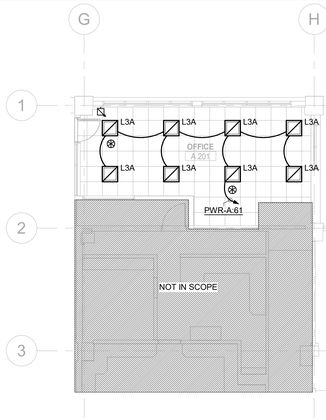
Project Number
003.7835.000

Description
LIGHTING PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

E1.302

1 LIGHTING PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"



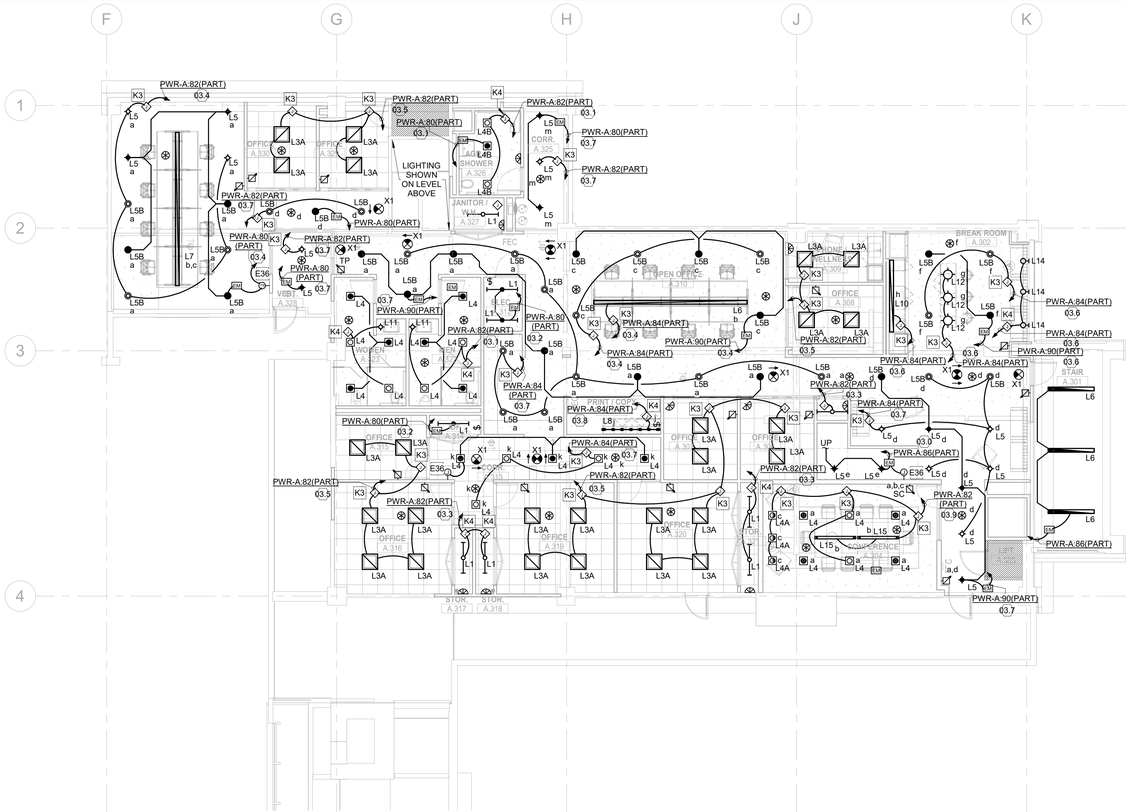
3 LIGHTING PLAN - A BUILDING LEVEL 02

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

LEVEL 03 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONDOLA SQUARE - BUILDING A

THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.
LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.
THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IECC 2018 AS THE
PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES
MINIMUM REQURIEMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS.

SYMBOL	SPACE TYPE DESCRIPTION	CONTROL TYPE						SCENES						
		DL	DIM	OS	VS	TC	LS	MAINTENANCE	EVENT	WEEKDAY	WEEKEND	USER DEFINED 01	USER DEFINED 02	
LEVEL 03 - BUILDING A														
03.0	STAIRS	-	-	X	-	X	-							
03.1	RESTROOMS/SHOWER ROOMS	-	-	X	X	X	-							
03.2	MEP ROOMS	-	-	-	-	-	X							
03.3	STORAGE ROOMS/JANITOR	-	-	-	X	-	X							
03.4	OPEN OFFICE / PRINT/COPY	-	X	-	X	X	X							
03.5	OFFICES/CONFERENCE	-	X	-	X	-	X							
03.6	BREAK ROOM	-	-	-	X	-	X							
03.7	CORRIDOR / VESTIBULES	-	-	X	X	X	-							
03.8	PRINT/COPY UNDERCABINET LIGHTING	-	-	-	-	-	X							
03.9	CONFERENCE	-	X	-	X	-	X							



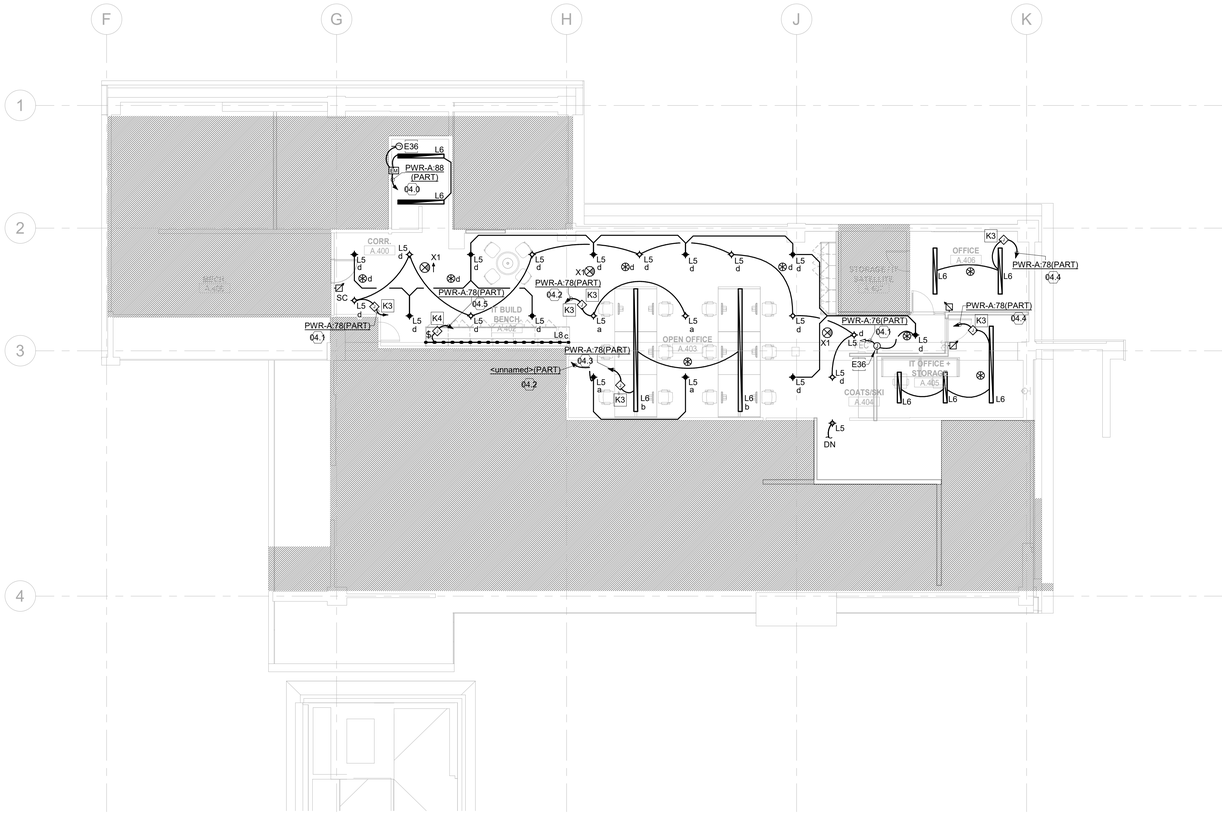
1 LIGHTING PLAN - A BUILDING LEVEL 03

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

LEVEL 04 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONDOLA SQUARE BUILDING A

THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.
LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.
THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IECC 2018 AS THE
PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES
MINIMUM REQURIEMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS.

SYMBOL	SPACE TYPE DESCRIPTION	CONTROL TYPE						SCENES						
		DL	DIM	OS	VS	TC	LS	MAINTENANCE	EVENT	WEEKDAY	WEEKEND	USER DEFINED 01	USER DEFINED 02	
LEVEL 04 - BUILDING A														
04.0	STAIRS	-	-	X	-	X	-							
04.1	CORRIDOR / VESTIBULES	-	X	X	X	-	X							
04.2	OPEN OFFICE CYLINDERS	-	X	-	X	-	X							
04.3	OPEN OFFICE SUSPENDED LINEARS	-	X	-	X	-	X							
04.4	OFFICES/CONFERENCE	-	X	-	X	-	X							
04.5	UNDERCABINET LIGHTING	-	-	-	-	-	X							



2 LIGHTING PLAN - A BUILDING LEVEL 04

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

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

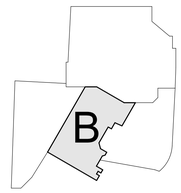
5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:
BUILDING A - PWR-A:98
BUILDING C & F - PWR-C: PWR-C:19

KEYNOTES

E36	PROVIDE LIGHTING INVERTER "IOTA IIS-550-I" OR APPROVED EQUAL FOR BRANCH CIRCUIT EMERGENCY LIGHTING. INVERTER SHALL BE MOUNTED IN ACCESSIBLE LOCATION EITHER ABOVE ACCESSIBLE CEILING OR IN ADJACENT BACK OF HOUSE SPACE HIGH ON WALL. REFER TO 10/1A-E8.003 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM.
K3	PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. LOCATE ROOM CONTROLLER IN ACCESSIBLE LOCATION NOT VISIBLE TO THE OCCUPANT SPACE. LOCATE ABOVE THE DOOR ENTERING INTO THE SPACE WHERE POSSIBLE AND CEILINGS ALLOW. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XX/E8.00X FOR MORE INFORMATION.
K4	PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XX/E8.00X FOR MORE INFORMATION.

RCRBD
Record Set
Electrical
07/01/2021

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY
east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED 52253 MATTHEW JOHN OSBORNE

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

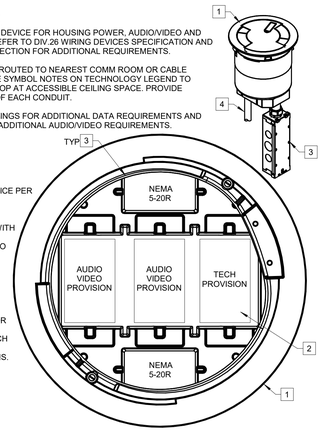
Description
LIGHTING PLAN - A BUILDING LEVEL 02, 03, & 04

Scale
1/8" = 1'-0"

E1.303

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER, AUDIO/VIDEO AND COMMUNICATIONS DEVICES. REFER TO DIV.26 WIRING DEVICES SPECIFICATION AND SUBMITTED SHOP DRAWINGS SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHING ON THE END OF EACH CONDUIT.
3. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DATA REQUIREMENTS AND AUDIO VISUAL DRAWINGS FOR ADDITIONAL AUDIO/VIDEO REQUIREMENTS.



KEYNOTES:

1. FLOOR BOX: PROVIDE POKE-THROUGH DEVICE PER DIV.26 WIRING DEVICES
2. MOUNTING PLATE: PROVIDE MOUNTING PLATES WITH STYLE-LINE (DECORA) FRAME OPENING FOR DATA AND AUDIO VIDEO AS DETAILED.
3. POWER: RECEPTACLES ANDCONDUIT SHOWN FOR REFERENCE.
4. LOW VOLTAGE CONDUIT: PROVIDE (1) 1-1/4" CONDUIT FOR DATA CABLING AND (1) 1-1/4" CONDUIT FOR AV CABLING EACH WITH A PULL STRING AT APPLICABLE DEVICE LOCATIONS.

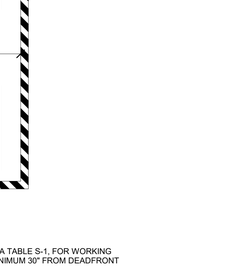
14 STANDARD POKE-THROUGH DEVICE 8-INCH
NO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE DEDICATED J-HOOKS AT 48" ON CENTER FOR ALL TELE/DATA CABLING NOT RUN IN CONDUIT OR CABLE TRAY. ADDITIONALLY, CONTRACTOR SHALL PROVIDE CONDUITS THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED PATHWAY BACK TO NEAREST COMM ROOM OR CABLE TRAY.
2. CONTRACTOR SHALL PROVIDE WEATHER PROOF COVER FOR ALL DEVICES WITH "WP" INDICATED AS PART OF SYMBOL ON PLAN DRAWINGS. REFER TO WEATHER PROOF DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

KEYNOTES:

1. BACK-BOX: PROVIDE SHARED 4"X4"X2-1/8" FLUSH MOUNTED BOX FOR POWER AND LOW VOLTAGE.
2. CONDUIT: PROVIDE (1) 1" CONDUIT ROUTED TO NEAREST COMMUNICATIONS ROOM OR CABLE TRAY.
3. FACE PLATE : PROVIDE QUAD-OUTLET STYLE FACEPLATE WITH BLANK 106-STYLE MODULE TO FILL LOW VOLTAGE SIDE.
4. POWER : POWER RECEPTACLES AND CONDUIT SHOWN FOR REFERENCE ONLY



SYMBOLS = OR

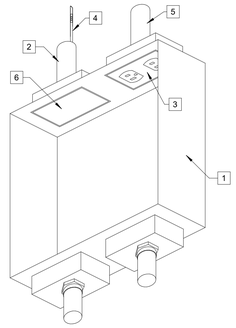
15 TV DEVICE BACK-BOX
NO SCALE

GENERAL NOTES:

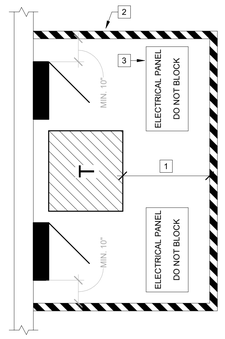
1. REFER TO AV AND TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS RELATIVE TO TV / VIDEO MONITOR INFRASTRUCTURE.
2. REFER TO ARCHITECTURAL AND/OR AV DOCUMENTS FOR MOUNTING HEIGHTS AND/OR SPECIAL CONDITIONS.

KEYNOTES:

1. BACK-BOX: PROVIDE LARGE FLAT PANEL BACK-BOX AT SELECT LOCATIONS AS INDICATED IN AV DOCUMENTS. PROVIDE STANDARD 4 X 4 BACK-BOX FOR ALL OTHER TV / VIDEO MONITOR LOCATIONS.
2. TECH CONDUIT: SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.
3. POWER: PROVIDE (1) 120V, 20A DUPLEX RECEPTACLE.
4. DATA CABLE: SHOWN FOR REFERENCE ONLY. REFER TO TECHNOLOGY AND AV PLANS.
5. POWER CONDUIT: PROVIDE MINIMUM 3/4" CONDUIT ROUTED TO PANEL THAT TV IS CIRCUITED TO.
6. DATA DEVICE: SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.



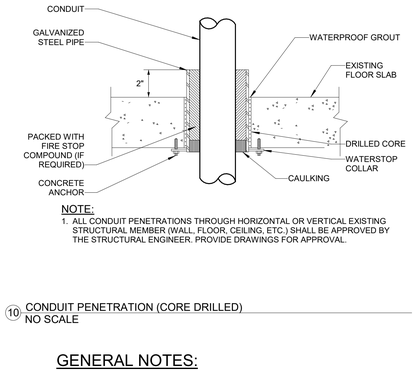
16 TV RECESSED BOX DETAIL
NO SCALE



KEYNOTES:

1. REFER TO NEC TABLE 110.26(A)(1) AND OSHA TABLE S-1, FOR WORKING CLEARANCE DISTANCE REQUIREMENTS. MINIMUM 30" FROM DEADFRONT FACE OF ELECTRICAL EQUIPMENT.
2. 3", STRIPED, BLACK AND YELLOW FLOOR MARKING HAZARD TAPE. 3M MODEL 5702 OR APPROVED EQUIVALENT.
3. PERMANENT, WATER RESISTANT "ELECTRICAL PANEL DO NOT BLOCK" VINYL FLOOR LABEL WITH NFPA 170 PANEL SYMBOL. QUANTITY AND SPACING TO BE DETERMINED BY EOR.

17 ELECTRICAL EQUIPMENT CLEARANCE MARKINGS
NO SCALE



NOTE:
1. ALL CONDUIT PENETRATIONS THROUGH HORIZONTAL OR VERTICAL EXISTING STRUCTURAL MEMBER (WALL, FLOOR, CEILING, ETC.) SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE DRAWINGS FOR APPROVAL.

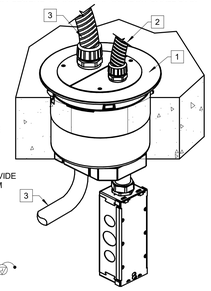
10 CONDUIT PENETRATION (CORE DRILLED)
NO SCALE

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR ROUTING POWER AND COMMUNICATIONS CABLES TO MODULAR FURNITURE. REFER TO DIV.26 WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

KEYNOTES:

1. FLOOR-BOX : PROVIDE POKE-THROUGH DEVICE WITH SYSTEM DIVIDER, PER DIV.26 WIRING DEVICES SPECIFICATION.
2. POWER CONDUIT : PROVIDE (1) 3/4" POWER CONDUIT AND FLEXIBLE WHIP CONNECTING TO MODULAR FURNITURE .
3. DATA CONDUIT : PROVIDE (1) 1-1/4" CONDUIT TO DEVICE FOR LOW VOLTAGE CABLE, WHERE APPLICABLE PROVIDE 2-INCH FLEXIBLE CONDUIT WHIP EXTENDED FROM COVER PLATE TO MODULAR FURNITURE.

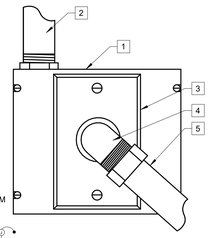


SYMBOLS =

11 FURNITURE FEED POKE-THROUGH DEVICE
NO SCALE

KEYNOTES:

1. BACK-BOX: PROVIDE 4"X4"X2-1/8" FLUSH MOUNTED BOX WITH SINGLE GANG COVER PLATE.
2. CONDUIT: PROVIDE POWER CONDUIT PER PLAN DRAWINGS.
3. FACE PLATE : STAINLESS STEEL COVER PLATE WITH CENTER MOUNTED GROMMET OPENING.
4. CONDUIT FITTING : PROVIDE (1) 90-DEGREE CONDUIT FITTING FOR FURNITURE CONNECTOR.
5. POWER : CONNECT FURNITURE SYSTEM POWER WHIP FROM POKE THRU TO MODULAR FURNITURE SYSTEM.



SYMBOLS =

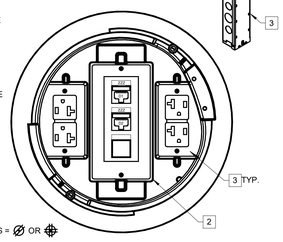
12 WALL MOUNTED FURNITURE FEED (POWER ONLY)
NO SCALE

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER AND COMMUNICATIONS DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

KEYNOTES:

1. FLOOR BOX : PROVIDE POKE-THROUGH DEVICE PER DIV.26 WIRING DEVICES SPECIFICATION.
2. MOUNTING PLATE: PROVIDE MOUNTING PLATE WITH STYLE-LINE (DECORA) FRAME OPENING IN CENTER FOR LOW VOLTAGE CONNECTORS. PROVIDE BLANK DECORA COVER FOR POWER ONLY FLOOR BOXES.
3. POWER: RECEPTACLES AND CONDUIT/HOUSING SHOWN FOR REFERENCE.
4. DATA CONDUIT: PROVIDE (1) 1-1/4" CONDUIT FOR LOW VOLTAGE CABLING AT EACH APPLICABLE POKE-THROUGH DEVICE.



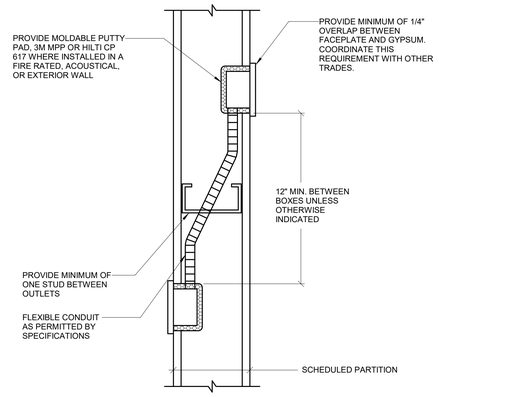
SYMBOLS = OR

13 STANDARD POKE-THROUGH DEVICE
NO SCALE

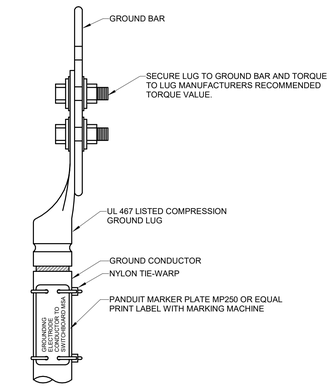
KEYNOTES:

1 PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

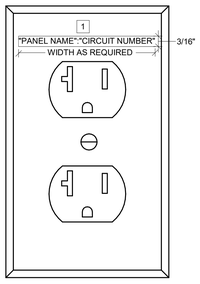
7 RECEPTACLE IDENTIFICATION
NO SCALE



8 BACK TO BACK BOXES ARRANGEMENT-NOISE/FIRE RATING
NO SCALE



9 TYPICAL COMPRESSION GROUND CONNECTOR DETAIL
NO SCALE



KEYNOTES:

1 PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

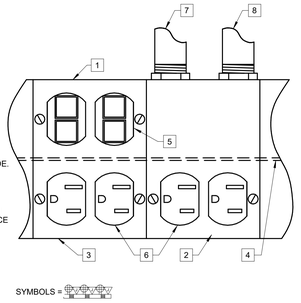
7 RECEPTACLE IDENTIFICATION
NO SCALE

KEYNOTES:

1. FLOOR-BOX : PROVIDE POKE-THROUGH DEVICE WITH SYSTEM DIVIDER, PER DIV.26 WIRING DEVICES SPECIFICATION.
2. POWER CONDUIT : PROVIDE (1) 3/4" POWER CONDUIT AND FLEXIBLE WHIP CONNECTING TO MODULAR FURNITURE .
3. DATA CONDUIT : PROVIDE (1) 1-1/4" CONDUIT TO DEVICE FOR LOW VOLTAGE CABLE, WHERE APPLICABLE PROVIDE 2-INCH FLEXIBLE CONDUIT WHIP EXTENDED FROM COVER PLATE TO MODULAR FURNITURE.

SYMBOLS =

11 FURNITURE FEED POKE-THROUGH DEVICE
NO SCALE



SYMBOLS =

6 SURFACE RACEWAY POWER/COMMUNICATIONS DEVICE
NO SCALE

KEYNOTES:

1. RACEWAY : PROVIDE 1-1/4" x 4-1/4" GALVANIZED STEEL SURFACE MOUNTED RACEWAY COMPLETE WITH COVER. VERIFY COLOR WITH ARCHITECT.
2. SINGLE-GANG COVER : PROVIDE METALLIC SINGLE GANG DUPLEX RECEPTACLE COVER PLATE. VERIFY COLOR WITH ARCHITECT.
3. DUAL-GANG COVER : PROVIDE METALLIC DOUBLE GANG DUPLEX RECEPTACLE COVER PLATE. VERIFY COLOR WITH ARCHITECT.
4. DIVIDER: PROVIDE STEEL COMPARTMENT DIVIDER.
5. TRIM PLATE : PROVIDE BLANK 106-STYLE MODULE TO FILL LOW VOLTAGE SIDE.
6. POWER: ELECTRICAL CABLE AND DEVICES SHOWN FOR REFERENCE ONLY.
7. LOW-VOLTAGE CONDUIT AND BACK-BOX : FOR EVERY (5) DEVICE POSITIONS, PROVIDE (1) 6"X6"X2-1/2" BACK-BOX WITH (1) 1-1/2 INCH CONDUIT MOUNTED FLUSH IN WALL DIRECTLY BEHIND SURFACE MOUNTED RACEWAY (BELOW COUNTER). CONDUIT SHALL BE ROUTED TO NEAREST CABLE TRAY OR COMM ROOM FOR COMMUNICATIONS DISTRIBUTION TOSURFACE MOUNTED RACEWAY.
8. POWER CONDUIT AND BACK-BOX : PROVIDE BACK-BOX WITH CONDUIT MOUNTED FLUSH IN WALL DIRECTLY BEHIND SURFACE MOUNTED RACEWAY FOR ALL POWER HOME RUNS (CONDUIT SIZE PER PLAN DRAWINGS).

6 SURFACE RACEWAY POWER/COMMUNICATIONS DEVICE
NO SCALE

WARNING	
Arc Flash and Shock Hazard Appropriate PPE Required	
480/277V	NOMINAL SYSTEM VOLTAGE
42,127A	AVAILABLE FAULT CURRENT
3 FEET	FLASH HAZARD BOUNDARY
3	cal/cm2 FLASH HAZARD AT 18INCHES
1	PPE LEVEL: [PROTECTIVE EQUIPMENT DESCRIPTION]
480 VAC	SHOCK HAZARD WHEN: COVER IS REMOVED
0.03 SEC	CLEARING TIME OF OCPD(S)
42 INCH	LIMITED APPROACH
12 INCH	RESTRICTED APPROACH: [PROTECTIVE EQUIPMENT DESCRIPTION]
1 INCH	PROHIBITED APPROACH: [PROTECTIVE EQUIPMENT DESCRIPTION
1/1/2017	DATE LABEL WAS APPLIED

AS REQUIRED

NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 ARC FLASH LABEL
NO SCALE

WIDTH AS REQUIRED

PANEL(NAME)
120/208V 3PH 4W
2000A
FED FROM (NAME)
1 (PNL. RATING)AIC. (SHORT CKT AVAIL.)AMP
2 (DATE CALCULATED)

2-1/2"

NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.
1 INDICATE BUS BRACING VALUE AND AVAILABLE FAULT CURRENT.
2 PROVIDE AND INDICATE DATE OF CALCULATION.

2 SUB DIST. CENTER & BRANCH PANEL NAME PLATE
NO SCALE

WIDTH AS REQUIRED

XFMR(NAME)
480V-120/208V 3PH 4W
75KVA
FED FROM (NAME)
1 PRIM DISC AT ROOM # & NAME

2-1/2"

NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.
1 INDICATE LOCATION OF PRIMARY DISCONNECT

3 TRANSFORMER NAMEPLATE
NO SCALE

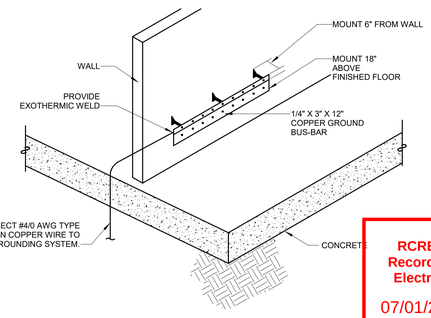
WIDTH AS REQUIRED

DISCONNECT(EQ SERVED)
480V 3PH 3W
FED FROM (NAME)
1 (250) AMP FUSES
2 (3#250,#4G.) 3"C

2-1/2"

NOTE:
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.
1 INDICATE FUSE SIZE, IF APPLICABLE
2 INDICATE BRANCH CIRCUIT WIRESIZE

5 DISCONNECT NAMEPLATE
NO SCALE



4 ELECTRICAL RISER ROOM GROUND BUS BAR
NO SCALE

RCRBD
Record Set
Electrical
07/01/2021

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

Seal / Signature

COLORADO LICENSED MATTHEW JOHN STEELE 52253 PROFESSIONAL ENGINEER 07/21/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

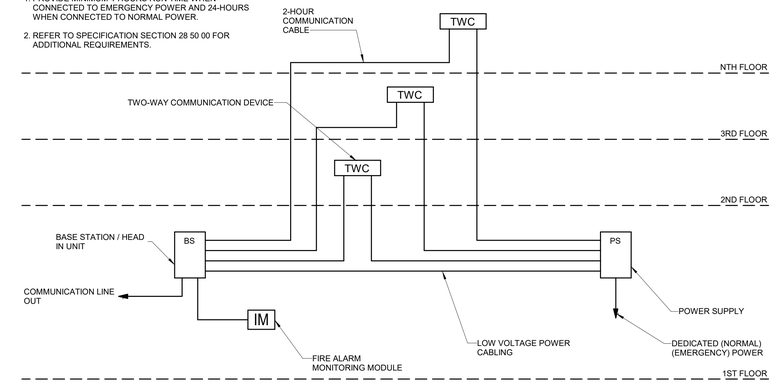
Description
ELECTRICAL DETAILS

Scale
NO SCALE

E8.000

GENERAL NOTES:

1. PROVIDE MINIMUM 4-HOURS RUN TIME WHEN CONNECTED TO EMERGENCY POWER AND 24-HOURS WHEN CONNECTED TO NORMAL POWER.
2. REFER TO SPECIFICATION SECTION 28 50 00 FOR ADDITIONAL REQUIREMENTS.



1 TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE DIAGRAM
NO SCALE

RCRBD
Record Set
Electrical
07/01/2021

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1225 17th Street
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COLORADO LICENSED
MATTHEW JOHN OBERTEUFFER
52253
PROFESSIONAL ENGINEER
STATE OF COLORADO

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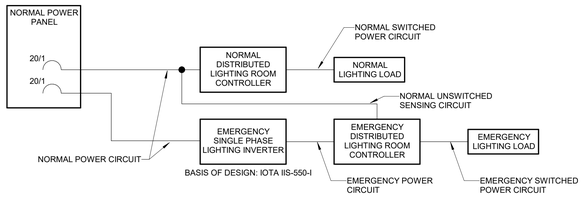
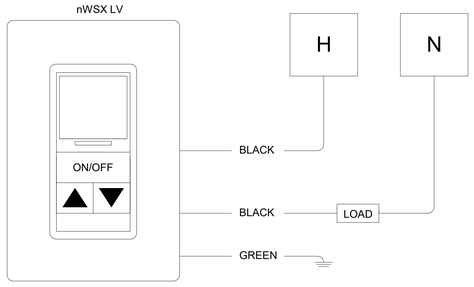
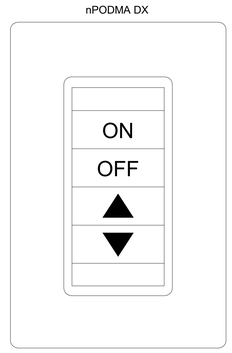


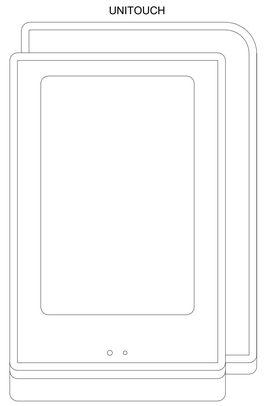
10 EMERGENCY LIGHTING INVERTER WIRING DIAGRAM
NO SCALE



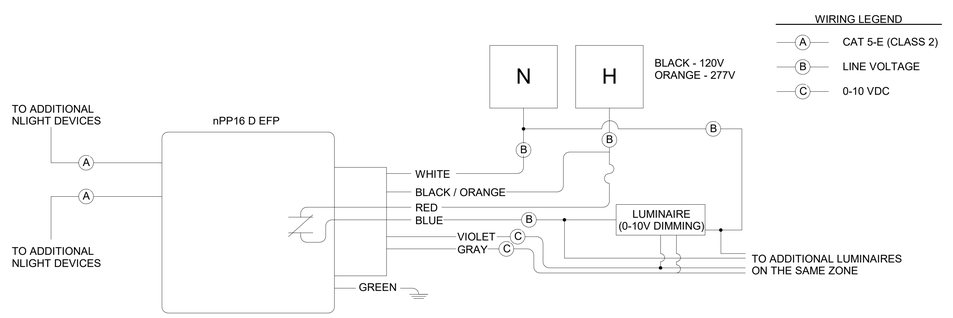
9 WALL SWITCH - 1 POLE, AUTO ON/OFF
NO SCALE



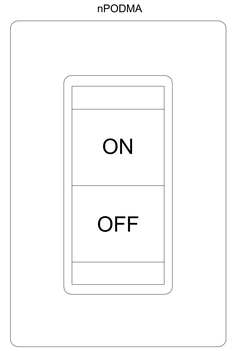
5 SINGLE ZONE DIMMER
NO SCALE



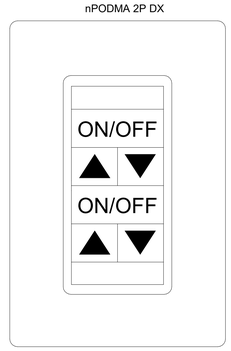
1 3.5" TOUCHSCREEN
NO SCALE



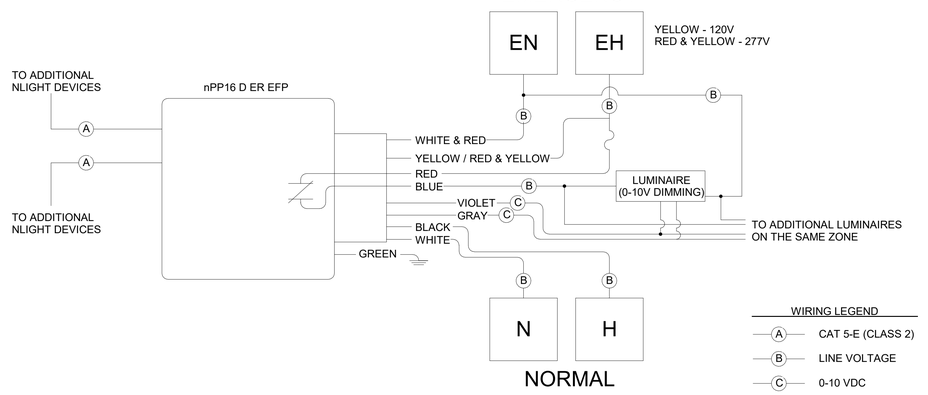
11 TYPICAL WIRING DIAGRAM: NPP16 D EFP
NO SCALE



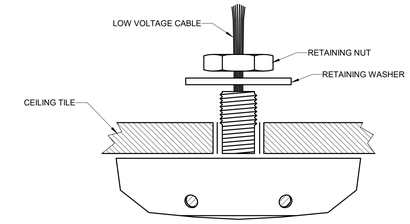
6 SINGLE ZONE SWITCH
NO SCALE



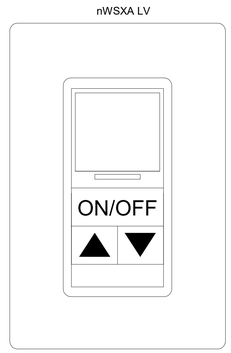
2 MULTI-ZONE DIMMER
NO SCALE



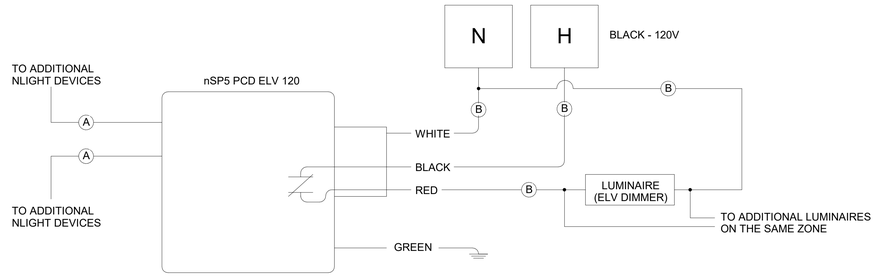
12 TYPICAL WIRING DIAGRAM: NPP16 D ER EFP
NO SCALE



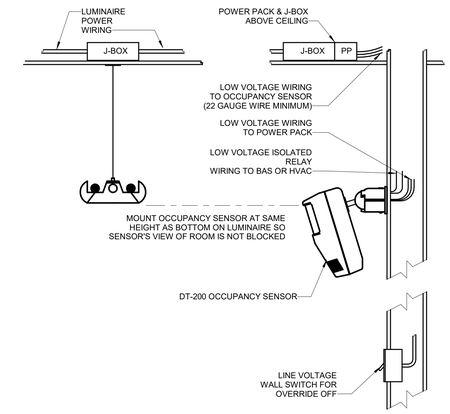
7 SENSOR - CEILING MOUNTED
NO SCALE



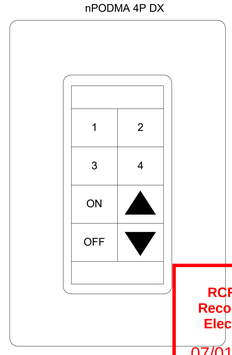
3 OCCUPANCY SENSOR & DIMMER
NO SCALE



13 TYPICAL WIRING DIAGRAM: NSP5 PCD ELV 120
NO SCALE



8 SENSOR - WALL MOUNTING
NO SCALE



4 SCENE SELECTOR & DIMMER
NO SCALE

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Steamboat Springs, CO 80487

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1225 17th Street
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Seal / Signature

COLORADO LICENSED
52253
PROFESSIONAL ENGINEER
07/01/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
ELECTRICAL DETAILS

Scale
As indicated

E8.002

GENERAL DRAWING NOTES

1. WHERE DIFFERENCES APPEAR BETWEEN PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS IN THE QUANTITIES AND LOCATIONS OF PLUMBING FIXTURES, THE ARCHITECTURAL DRAWINGS SHALL BE USED FOR PRICING. WHERE NECESSARY, THE CONTRACTOR SHALL USE UNIT PRICING FOR WASTE AND VENT PIPING TO EACH PLUMBING FIXTURE.

GENERAL PLUMBING CONTRACT REQUIREMENTS

1. PREPARE SHOP DRAWINGS OF ALL NEW WORK (INCLUDING SLEEVE LOCATIONS) TO VERIFY LOCATIONS AND COORDINATION OF WORK BETWEEN TRADES PRIOR TO INSTALLATION.
2. ALL DRAIN GRATES, CLEANOUT COVERS, AND OTHER FINISHED OR EXPOSED COMPONENTS SHALL BE PROTECTED FROM DAMAGE. DAMAGED COMPONENTS SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
3. COORDINATE ROUTING OF ALL PLUMBING PIPING BELOW SLAB WITH STRUCTURAL GRADE BEAMS, TIE BEAMS, ETC. ALLOW FOR REROUTING OF PIPING AS REQUIRED.
4. PIPING ROUTING ON DRAWINGS IS GENERALLY DIAGRAMMATIC WITH EFFORTS DURING DESIGN TO AVOID STRUCTURAL CONFLICTS. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING THROUGH BUILDING WITH STRUCTURAL CONDITIONS. CONTRACTOR COORDINATION DRAWINGS SHALL REFLECT ALL PIPE ROUTING AND PIPING THAT MAY HAVE TO BE SHIFTED OR MOVED TO AVOID CONFLICTS. SHIFTED OR MOVED PIPING SHALL REFLECT NO ADDITIONAL COST TO THE PROJECT.
5. ALL REQUIRED OPENINGS IN CONCRETE BEAMS AND STRUCTURAL WALLS ARE TO BE ACCOMPLISHED USING SLEEVES PROPERLY SIZED FOR THE PIPE THEY SERVE. CORE DRILLING IN BEAMS IS NOT ALLOWED. CORE DRILLING IN PANS IS ALLOWED UPON PRIOR APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.
6. ALL HORIZONTAL SANITARY PIPING 2-1/2" AND SMALLER WHETHER BELOW OR ABOVE GRADE SHALL SLOPE AT 1/4"/FT. ALL PIPING 3" AND LARGER SHALL SLOPE AT 1/8"/FT UNLESS OTHERWISE NOTED. ALL STORM AND OVERFLOW PIPING SHALL SLOPE AT 1/8"/FT UNLESS OTHERWISE NOTED. ALL GREASE WASTE PIPING SHALL SLOPE AT 1/4"/FT.
7. REFERENCE CIVIL DIVISION DRAWINGS FOR REQUIRED POINT OF CONNECTION AND INVERT REQUIREMENTS. IN GENERAL, THE POINT OF CONNECTION IS AT A POINT 5 FEET OUTSIDE OF BUILDING FOOTPRINT. CONFORM WORK TO MEET INVERT ELEVATIONS ON CIVIL PLANS.
8. CAP ALL SANITARY AND STORM TEES FOR FUTURE BRANCH PIPING AND STAKE LOCATION OF PIPING FOR CONNECTION TO FUTURE BRANCH LINES.
9. WHERE SHOWN, MINIMIZE THE NUMBER OF JOINTS ON ANY PRESSURIZED PIPING BELOW CONCRETE SLABS. ALL BELOW GRADE PIPING TO BE PRESSURE TESTED AND WITNESSED BY ARCHITECT PRIOR TO BACKFILLING.
10. ALL CLEANOUTS FOR HORIZONTAL STORM DRAINAGE SYSTEM SHALL BE PIPE SIZE OR MAXIMUM 6" FOR LARGER PIPE.
11. IN ADDITION TO THE CLEANOUT LOCATIONS SHOWN ON DRAWINGS, CLEANOUTS SHALL BE PROVIDED IN ACCORDANCE WITH THE LOCAL GOVERNING CODE. ADDITIONAL CLEANOUTS SHALL BE PROVIDED AS FOLLOWS:
    - A. EACH RUN OF PIPING WHICH IS MORE THAN 75 FEET IN LENGTH OR FRACTION THEREOF.
    - B. HORIZONTAL LINES 5 FEET OR MORE.
    - C. HORIZONTAL LINES FOR EACH AGGREGATE CHANGE OF DIRECTION EXCEEDING 135 DEGREES.
    - D. AT THE BASE OF ALL SANITARY AND STORM RISERS. ALL VERTICAL CLEANOUTS SHALL BE SIZED TO ACCOMMODATE THE LARGEST PIPE ON THAT BRANCH LINE, BUT NEVER LARGER THAN 4".
    - E. ALL GREASE WASTE PIPING SHALL HAVE CLEANOUTS EVERY 50 FEET OR FRACTION THEREOF AND AS NOTED ABOVE.
    - F. AT THE END OF FIXTURE BANKS TO INCLUDE WATER CLOSETS, URINALS AND LAVATORIES. CLEAOUT PLUG SHALL BE A MINIMUM OF 24" AFF
12. NO GAS LINES SHALL BE LOCATED BELOW BUILDING SLAB. ALL GAS PIPING IN AIR PLENUMS SHALL BE WELDED.
13. PROVIDE ISOLATION VALVES ON ALL PIPING SERVING HOSE BIBBS.
14. STANDARD ROOF DRAINAGE IS SIZED AT 3"/HR. OVERFLOW DRAINAGE IS ACCOMPLISHED THROUGH ARCHITECTURAL ROOF SCUPPERS. WHERE OVERFLOW DRAINS ARE USED, THEY WILL BE SIZED USING 3"/HR RATE.
15. WATER HAMMER ARRESTORS (SHOCK ABSORBERS) SHALL BE INSTALLED BETWEEN THE LAST 2 FLUSH VALVE FIXTURES. WHEN THE COLD WATER HEADER IS 20 FEET OR LONGER, A SECOND ARRESTOR SHALL BE INSTALLED HALFWAY DOWN THE HEADER. THE SIZES OF THE ARRESTORS SHALL BE BASED ON PDI SIZING.
16. ALL FLOOR DRAINS IN BUILDING EXCEPT DRAINS IN SHOWERS AND SHOWER AREAS SHALL BE INSTALLED WITH A PROSET TRAP GUARD.
17. ALL DOMESTIC WATER PIPING SERVING TOILET OR RESTROOM GROUPS SHALL BE INSTALLED WITH ISOLATION VALVES IN ORDER TO ISOLATE THESE AREAS WITHOUT CLOSING DOWN ANY OTHER PORTION OF THE BUILDING WATER SUPPLY SYSTEMS. ALL ISOLATION VALVES SHALL BE ACCESSIBLE WITH ACCESS PANELS. MINIMUM ACCESS PANEL SIZE SHALL BE 12"x12". ACCESS PANELS SHALL BE OF THE SAME RATING AS THE STRUCTURAL ELEMENT IN WHICH THEY ARE INSTALLED.
18. ALL GAS PRESSURE REDUCING VALVES SHALL BE PROVIDED WITH VENT PIPING TO ATMOSPHERE.
19. THROUGHOUT THE DRAWINGS, NUMBERS ARE SHOWN IN BRACKETS TO INDICATE QUANTITIES OF UNITS CARRIED WITHIN THE DIFFERENT PIPING SYSTEMS. THEY REPRESENT THE FOLLOWING:

    CW (X)[X] = (GPM)[GPM]
    GAS (X)[X] = (CFH)[CFH]
    SAN (X)[X] = (DFU)[DFU]
    VENT (X)[X] = (DFU)[DFU]
    ST/OD (X)[X] = (FT2)/(FT2)

    FOR CALCULATION PURPOSES OF ALL PIPE SIZES, VALUES SHOWN ARE WITHIN 10 PERCENT OF ACTUAL LOAD VALUES.
20. ALL EQUIPMENT AND PIPING SHALL BE BRACED FOR SEISMIC REQUIREMENTS APPLICABLE FOR SEISMIC ZONE REQUIREMENTS FOR THIS PROJECT.
21. REFER TO GENERAL MECHANICAL CONTRACT REQUIREMENT NOTES ON MECHANICAL DRAWINGS FOR GENERAL PIPING HEAT TRACE INSTALLATION REQUIREMENTS.
22. PROVIDE DIELECTRIC FITTINGS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS AND AS SHOWN ON DRAWINGS.
23. ALL TEMPERING VALVES TO BE SET FOR 110° F WATER TEMPERATURE MAXIMUM UNLESS OTHERWISE NOTED.
24. PROVIDE HEAT TRACE IN LOCATIONS SHOWN, AS REQUIRED BY SPECIFICATIONS, AND TO THE FOLLOWING SYSTEMS WHEN EXPOSED TO FREEZING CONDITIONS:

    A. DOMESTIC COLD WATER
    B. DOMESTIC HOT WATER
    C. DOMESTIC HOT WATER RECIRC
    D. SANITARY
    E. STORM

    ALL HEAT TRACED PIPE SHALL BE INSULATED PER SPECIFICATIONS. COORDINATE ALL HEAT TRACING AND REQUIRED CIRCUITS WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR.
25. PROVIDE WATER HAMMER ARRESTORS FOR ALL FIXTURES/EQUIPMENT THAT HAVE QUICK CLOSING VALVES TO INCLUDE:

    A. WATER CLOSETS AND URINAL FLUSH VALVES
    B. ELECTRONIC FAUCETS
    C. REFRIGERATOR ICE MAKERS
    D. DISHWASHERS
    E. MECHANICAL MAKE-UP
26. REFER TO MECHANICAL PLANS FOR ALL EQUIPMENT REQUIRING MAKE-UP WATER. PROVIDE A REDUCED PRESSURE BACKFLOW FOR EACH REQUIRED LINE.
27. REFER TO LANDSCAPE PLANS FOR IRRIGATION REQUIREMENTS. WHEN AN IRRIGATION TAP IS REQUIRED OFF THE DOMESTIC WATER SERVICE, PROVIDE THE RECCOMENDED LINE SIZE WITH A REDUCED PRESSURE BACKFLOW PREVENTER.

PLUMBING LEGEND

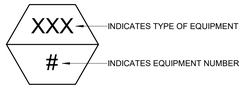
(NOT ALL SYMBOLS LISTED BELOW ARE BEING USED IN THIS SET OF PLUMBING DRAWINGS)

SYMBOL	ABBR	DESCRIPTION
MEDICAL		
MA	MA	MEDICAL AIR
O	O	OXYGEN
VAC	VAC	VACUUM
NO	NO	NITROUS OXIDE
G	G	NAT. GAS OUTLET
O	O	OXYGEN OUTLET
V	V	VACUUM OUTLET
MA	MA	MEDICAL AIR OUTLET
MA	MA	MED AIR OUTLET
SPRINKLER HEADS		
		EXISTING SPRINKLER HEAD TO REMAIN
		EXISTING SPRINKLER HEAD TO RELOCATED
A		EXISTING SPRINKLER HEAD TO NEW LOCATION NEW SPRINKLER HEAD TO MATCH EXISTING
PIPING:		
(E)	(E)	EXISTING PIPING
(E)		EXISTING PIPING TO BE REMOVED
CW	CW	DOMESTIC COLD WATER
HW	HW	DOMESTIC HOT WATER
T	T	TEMPERED WATER
HWC	HWC	DOMESTIC HOT WATER CIRCULATING
SAN	SAN	SANITARY WASTE ABOVE FLOOR
SAN	SAN	SANITARY WASTE BELOW FLOOR
GW	GW	GREASE WASTE BELOW FLOOR
V	V	SANITARY VENT
ST	ST	STORM PIPING ABOVE FLOOR
ST	ST	STORM PIPING BELOW FLOOR
OD	OD	STORM OVERFLOW ABOVE FLOOR
OD	OD	STORM OVERFLOW BELOW FLOOR
G	G	NATURAL GAS
F	F	FIRE
DR	DR	EQUIP. DRAIN
A	A	COMPRESSED AIR
2"SAN		PIPE SIZE/ PIPE TYPE
FITTINGS:		
EJ	EJ	EXPANSION JOINT
	U	UNION
		THERMOMETER W/THERMOWELL
	AV	AIR VENT
	FC	FLEXIBLE PIPE CONNECTOR
FS	FS	FLOW SWITCH
PS	PS	PRESSURE SWITCH
	PG	PRESSURE GAUGE W/GAUGE COCK

SYMBOL	ABBR	DESCRIPTION
FITTINGS:		
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		PIPE CAP OR PLUG
	GC	GAS COCK
	CO	CLEANOUT PLUG
	HB WH	HOSE BIBB WALL HYDRANT
	VB	VACUUM BREAKER
	RD	ROOF DRAIN
	OD	OVERFLOW ROOF DRAIN
	DSN	DOWNSPOUT NOZZLE
	SA	SHOCK ARRESTOR W/BALL VALVE
	FD	FLOOR DRAIN
	AD	AREA DRAIN
	FCO GCO	FLOOR CLEANOUT GRADE CLEANOUT
	WCO CO	WALL CLEANOUT CLEANOUT PLUG
	VTR	VENT THRU ROOF
VALVES:		
	GV	GATE VALVE
	OS&Y	OUTSIDE STEM AND YOKE
	DV	DRAIN VALVE W/ HOSE END CONN.
		BALL VALVE W/ HOSE CONNECTION
	CV	CHECK VALVE WITH FLOW DIRECTION
	PRV	PRESSURE REDUCING VALVE
	SV	SOLENOID VALVE
FC	FCV	AUTO FLOW CONTROL VALVE W/ TEST PORT
	CS	CIRCUIT SETTER
	GLV	GLOBE VALVE (STRAIGHT PATTERN)
	GLV	GLOBE VALVE (ANGLE PATTERN)
	BFV	BUTTERFLY VALVE
	BV	BALL VALVE
	TCV	AUTO TEMP CONTROL VALVE, 2-WAY
	TCV	AUTO TEMP CONTROL VALVE, 3-WAY
	PV	PLUG VALVE
	TPR	TEMP/PRESSURE RELIEF VALVE
		VALVE IN RISER
	STR	STRAINER W/ BLOW-OFF & CAPPED HOSE-END CONNECTION
		STEAM TRAP

SYMBOL	ABBR	DESCRIPTION
SYMBOLS:		
1 / P1		SECTION NO. / SECTION VIEW SHEET NO.
F / M1		DETAIL DESIGNATION
F / 1 / F / 1		EQUIPMENT DESIGNATION
1		SHEET KEY NOTES
	POC	POINT OF CONN. (CONN. NEW TO EXISTING)
	POD	POINT OF DISCONNECTION
		ARROW INDICATES DIRECTION OF FLOW
UP		RISE IN DIRECTION OF FLOW
DN		DROP IN DIRECTION OF FLOW
	TB	THRUST BLOCK
	DN	DOWN
	AFF	ABOVE FIN. FLOOR
	AFG	ABOVE FIN. GRADE
	TOP	TOP OF PIPE (AFF)
	BOP	BOT. OF PIPE (AFF)
	I.E.	INVERT ELEVATION
	VBF	VENT BELOW FLOOR
	NTS	NOT TO SCALE
(E)	(E)	EXISTING
(N)	(N)	NEW
(R)	(R)	REMOVE OR RELOCATE

EQUIPMENT DESIGNATIONS



Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
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Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING LEGEND

Scale
1/8" = 1'-0"

P0.000

PLUMBING FIXTURE SCHEDULE - BUILDING A

GENERAL NOTES:
1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2018 INTERNATIONAL PLUMBING CODE.
2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL HAVE TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS.
3. ALL FIXTURES ARE WHITE UNLESS OTHERWISE NOTED.
4. ALL PUBLIC ACCESS LAVATORY AND SINKS WILL HAVE AN ASSE 1070 APPROVED TEMPERING VALVE INSTALLED.

CODE	FIXTURE	DESCRIPTION	MIN CW CONN	MIN HW CONN	MIN SAN CONN	MIN VENT CONN	MANUFACTURER	FIXTURE MODEL NUMBER	MANUFACTURER	FAUCET / FLUSH VALVE MODEL NUMBER	REMARKS
FD-1	FLOOR DRAIN	CAST IRON BODY FLOOR DRAIN WITH 5" NICKEL-BRONZE STRAINER; PROVIDE WITH JAY R. SMITH MODEL 2692 TRAP GUARD.	-	-	RE: PLANS	2"	JAY R. SMITH	2005Y-NB-A	-	-	-
EWC-1	ELECTRIC WATER COOLER	TWO LEVEL, STAINLESS STEEL, WALL HUNG ELECTRIC WATER COOLER WITH BOTTLE FILLER.	1/2"	-	2"	2"	ELKAY	EZSTL8WSLC	-	-	-
MSB-1	MOP SERVICE BASIN	FLOOR MOUNTED, 24"x24" MOLDED STONE MOP SERVICE BASIN WITH STAINLESS STEEL WALL GUARDS; WALL MOUNTED FAUCET WITH PAIL HOOK, AND VACUUM BREAKER.	3/4"	3/4"	3"	2"	FIAT	MSB2424	FIAT	830AA	-
SH-1	SHOWER	ONE PIECE SHOWER PAN, FLOOR DRAIN, TILED WALLS, WALL MOUNTED SHOWER WITH PRESSURE BALANCING VALVE, SLIDE BAR AND HAND SHOWER; 1.5 GPM.	1/2"	1/2'	2"	2"	AQUABATH	CP6036TD	AMERICAN STANDARD	TU662.213	-
L-1	LAVATORY (ADA)	23"x18" RECTANGULAR DROP-IN VITREOUS CHINA LAVATORY WITH 3 HOLES ON 4" CENTERS; BATTERY POWERED, SENSOR OPERATED FAUCET, 0.5 GPM.	1/2"	1/2"	2"	2"	KOHLER	K-2337-4	SLOAN	SF-2350	FAUCET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
L-2	LAVATORY (ADA)	21" x 20-1/4" WALL HUNG VITREOUS CHINA LAVATORY WITH 3 HOLES ON 4" CENTERS; BATTERY POWERED, SENSOR OPERATED FAUCET, 0.5 GPM.	1/2"	1/2"	2"	2"	AMERICAN STANDARD	9134004EC	SLOAN	SF-2350	FAUCET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
S-1	SINK	25" x 18-1/2" x 5-1/2" MOLDED QUARTS ACRYLIC, UNDERMOUNT, ADA SINK WITH BLACK FINISH; DECK MOUNTED SINGLE HANDLE FAUCET WITH GOOSENECK SPOUT AND PULL OUT SPRAYER, MATTE BLACK FINISH, 1.5 GPM.	1/2"	1/2"	2'	2"	ELKAY	ELGUA2519PD-BK	KOHLER	K-22974BL	-
S-2	SINK	14" x 18-1/2" x 5-1/2" STAINLESS STEEL, UNDERMOUNT, ADA SINK; DECK MOUNTED SINGLE HANDLE FAUCET WITH GOOSENECK SPOUT AND PULL OUT SPRAYER, MATTE BLACK FINISH, 1.5 GPM.	1/2"	1/2"	2'	2"	ELKAY	ELUHAD111655	KOHLER	K-22974BL	-
TMV-1	THERMOSTATIC MIXING VALVE	POINT OF USE THERMOSTATIC MIXING VALVE WITH MINIMUM 0.35 GPM FLOW RATE; ASSE 1070	1/2"	1/2"	-	-	ZURN	ZW3870XLT	-	-	-
UR-1	URINAL	WALL HUNG, VITREOUS CHINA URINAL WITH 3/4" TOP SPUD; BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 0.125 GPF.	3/4"	-	2"	2"	AMERICAN STANDARD	6590.525	AMERICAN STANDARD	6590.525	PROVIDE WITH IN-WALL CARRIER.
WC-1	WATER CLOSET	WALL HUNG, VITREOUS CHINA WATER CLOSET WITH BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 1.28 GPF; STANDARD HEIGHT.	1"	-	4"	2"	AMERICAN STANDARD	3351.528	AMERICAN STANDARD	3351.528	PROVIDE WITH IN-WALL, FLOOR MOUNTED CARRIER.
WC-2	WATER CLOSET (ADA)	WALL HUNG, VITREOUS CHINA WATER CLOSET WITH BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 1.28 GPF; ADA HEIGHT.	1"	-	4"	2"	AMERICAN STANDARD	3351.528	AMERICAN STANDARD	3351.528	PROVIDE WITH IN-WALL, FLOOR MOUNTED CARRIER.

PLUMBING FIXTURE SCHEDULE - BUILDINGS C & F

GENERAL NOTES:
1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2018 INTERNATIONAL PLUMBING CODE.
2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL HAVE TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS.
3. ALL FIXTURES ARE WHITE UNLESS OTHERWISE NOTED.
4. ALL PUBLIC ACCESS LAVATORY AND SINKS WILL HAVE AN ASSE 1070 APPROVED TEMPERING VALVE INSTALLED.

CODE	FIXTURE	DESCRIPTION	MIN CW CONN	MIN HW CONN	MIN SAN CONN	MIN VENT CONN	MANUFACTURER	FIXTURE MODEL NUMBER	MANUFACTURER	FAUCET / FLUSH VALVE MODEL NUMBER	REMARKS
TD-1	TROUGH DRAIN	ABOVE FLOOR MOUNTED, 5'-6" LONG x 18" WIDE POLYPROPYLENE BODY DRAIN TROUGH WITH POLYPROPYLENE LID, INTEGRAL LINT FILTER, AND 4" BOTTOM OUTLET.	-	-	4"	2"	H-M COMPANY	CUSTOM	-	-	-
FD-1	FLOOR DRAIN	CAST IRON BODY FLOOR DRAIN WITH 5" NICKEL-BRONZE STRAINER; PROVIDE WITH JAY R. SMITH MODEL 2692 TRAP GUARD.	-	-	RE: PLANS	2"	JAY R. SMITH	2005Y-NB-A	-	-	-
DF-1	DRINKING FOUNTAIN	TWO LEVEL, STAINLESS STEEL, WALL HUNG DRINKING FOUNTAIN.	1/2"	-	2"	2"	ELKAY	EDFP217FC	-	-	-
MSB-1	MOP SERVICE BASIN	FLOOR MOUNTED, 24"x24" MOLDED STONE MOP SERVICE BASIN WITH STAINLESS STEEL WALL GUARDS; WALL MOUNTED FAUCET WITH PAIL HOOK, AND VACUUM BREAKER.	3/4"	3/4"	3"	2"	FIAT	MSB2424	FIAT	830AA	-
SH-1	SHOWER	ONE PIECE SHOWER PAN, FLOOR DRAIN, TILED WALLS, WALL MOUNTED SHOWER WITH PRESSURE BALANCING VALVE, SLIDE BAR AND HAND SHOWER; 1.5 GPM.	1/2"	1/2'	2"	2"	AQUABATH	CP6036TD	AMERICAN STANDARD	TU662.213	-
L-1	LAVATORY (ADA)	23"x18" RECTANGULAR DROP-IN VITREOUS CHINA LAVATORY WITH 3 HOLES ON 4" CENTERS; BATTERY POWERED, SENSOR OPERATED FAUCET, 0.5 GPM.	1/2"	1/2"	2"	2"	KOHLER	K-2337-4	SLOAN	SF-2350	FAUCET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
L-2	LAVATORY (ADA)	21" x 20-1/4" WALL HUNG VITREOUS CHINA LAVATORY WITH 3 HOLES ON 4" CENTERS; BATTERY POWERED, SENSOR OPERATED FAUCET, 0.5 GPM.	1/2"	1/2"	2"	2"	AMERICAN STANDARD	9134004EC	SLOAN	SF-2350	FAUCET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
LS-1	SINK	FLOOR MOUNTED LAUNDRY TUB SINK; 20-1/4" X 17-1/4" X 13" MOLDED STONE BASIN WITH WHITE BAKED ENAMEL ANGLE LEGS; CHROME PLATED, DECK MOUNTED FAUCET WITH WRISTBLADE HANDLES AND SWING SPOUT.	1/2"	1/2"	2"	2"	FIAT	FL-1	FIAT	A1	-
S-1	SINK	14" x 18-1/2" x 5-1/2" STAINLESS STEEL, UNDERMOUNT, ADA SINK; DECK MOUNTED SINGLE HANDLE FAUCET WITH GOOSENECK SPOUT AND PULL OUT SPRAYER, CHROME FINISH, 1.5 GPM.	1/2"	1/2"	2'	2"	ELKAY	ELUHAD111655	KOHLER	K-22974	-
TMV-1	THERMOSTATIC MIXING VALVE	POINT OF USE THERMOSTATIC MIXING VALVE WITH MINIMUM 0.35 GPM FLOW RATE; ASSE 1070	1/2"	1/2"	-	-	ZURN	ZW3870XLT	-	-	-
UR-1	URINAL	WALL HUNG, VITREOUS CHINA URINAL WITH 3/4" TOP SPUD; BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 0.125 GPF.	3/4"	-	2"	2"	AMERICAN STANDARD	6590.525	AMERICAN STANDARD	6590.525	PROVIDE WITH IN-WALL CARRIER.
WC-1	WATER CLOSET	WALL HUNG, VITREOUS CHINA WATER CLOSET WITH BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 1.28 GPF; STANDARD HEIGHT.	1"	-	4"	2"	AMERICAN STANDARD	3351.528	AMERICAN STANDARD	3351.528	PROVIDE WITH IN-WALL, FLOOR MOUNTED CARRIER.
WC-2	WATER CLOSET (ADA)	WALL HUNG, VITREOUS CHINA WATER CLOSET WITH BATTERY POWERED, SENSOR OPERATED FLUSH VALVE; 1.28 GPF; ADA HEIGHT.	1"	-	4"	2"	AMERICAN STANDARD	3351.528	AMERICAN STANDARD	3351.528	PROVIDE WITH IN-WALL, FLOOR MOUNTED CARRIER.

CIRCULATION PUMP SCHEDULE - BUILDING A

REMARK NOTES:
A. PUMP SHALL BE ALL BRONZE CONSTRUCTION.
B. PROVIDE WITH AQUASTAT SET TO ENERGIZE PUMP @ 10°F BELOW WATER HEATER SET POINT.
C. PROVIDE WITH OWNER ADJUSTABLE TIMER.

CODE	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	TYPE	FLOW (GPM)	RPM	PRESSURE (FT)	ELECTRICAL VOLT	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
CP-1	GRUNDFOS	ALPHA2	EWH-1	BUILDING A	INLINE	3.00	1750	15	115	1	5.00	-	$.T.O.	(2#12,#12G) 3/4"C	A, B, C

CIRCULATION PUMP SCHEDULE - BUILDINGS C & F

REMARK NOTES:
A. PUMP SHALL BE ALL BRONZE CONSTRUCTION.
B. PROVIDE WITH AQUASTAT SET TO ENERGIZE PUMP @ 10°F BELOW WATER HEATER SET POINT.
C. PROVIDE WITH OWNER ADJUSTABLE TIMER.

CODE	MANUFACTURER	MODEL NUMBER	SERVICE	LOCATION	TYPE	FLOW (GPM)	RPM	PRESSURE (FT)	ELECTRICAL VOLT	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
CP-1	GRUNDFOS	ALPHA2	GWH-1	BUILDING F	INLINE	3.00	1750	15	115	1	5.00	-	$.T.O.	(2#12,#12G) 3/4"C	A, B, C
CP-2	GRUNDFOS	ALPHA2	EWH-1	BUILDING C	INLINE	3.00	1750	15	115	1	5.00	-	$.T.O.	(2#12,#12G) 3/4"C	A, B, C

ELECTRIC WATER HEATER SCHEDULE - BUILDING A

GENERAL NOTES:
1. ROUTE ALL T&P VALVES TO APPROVED RECEPTORS.

REMARK NOTES:
A. PROVIDE WITH IMMERSION THERMOSTATS WITH CONTACTORS.
B. WIRE FOR SIMULTANEOUS ELEMENT OPERATION.
C. PROVIDE WITH AMTROL MODEL ST-5C EXPANSION TANK (DWET-2).

CODE	MANUFACTURER	MODEL NUMBER	SERVICE	CAPACITY (GAL)	RECOVERY (GPH@100TR)	POWER (KW)	ELECTRICAL VOLT	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
EWH-1	BRADFORD WHITE	LE240S3-3	BUILDING A	40	32	8.00	208	3	22.20	30A FRS-RK	30A/3P	(4#10,#10G) 3/4"C	A, B

ELECTRIC WATER HEATER SCHEDULE - BUILDING C

GENERAL NOTES:
1. ROUTE ALL T&P VALVES TO APPROVED RECEPTORS.

REMARK NOTES:
A. PROVIDE WITH IMMERSION THERMOSTATS WITH CONTACTORS.
B. WIRE FOR SIMULTANEOUS ELEMENT OPERATION.
C. PROVIDE WITH AMTROL MODEL ST-5C EXPANSION TANK (DWET-2).

CODE	MANUFACTURER	MODEL NUMBER	SERVICE	CAPACITY (GAL)	RECOVERY (GPH@100TR)	POWER (KW)	ELECTRICAL VOLT	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
EWH-1	BRADFORD WHITE	LE240S3-3	BUILDING C	40	32	8.00	480	3	9.60	15A FRS-RK	30A/3P	(4#12,#10G) 3/4"C	A, B

GAS FIRED WATER HEATER SCHEDULE - BUILDING F

GENERAL NOTES:
1. PROVIDE UL-508 RATED THERMAL OVERLOAD SWITCHES FOR DISCONNECTING MEANS.

REMARK NOTES:
A. PROVIDE 120V,1 PH CONTROL CIRCUIT.
B. PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
C. SET TO 140°F DISCHARGE TEMPERATURE.
D. PROVIDE WITH MANUFACTURER'S CONDENSATE NEUTRALIZATION KIT.
E. PROVIDE WITH AMTROL MODEL ST-12C EXPANSION TANK (DWET-1).

CODE	MANUFACTURER	MODEL NUMBER	SERVICE	CAPACITY (GAL)	RECOVERY (GPH@100TR)	INPUT (MBH)	FLUE (IN)	ELECTRICAL VOLT	PH	FLA	FUSE	DISC.	FEEDER	REMARKS
GWH-1	BRADFORD WHITE	EF-100T-300E-3N	BUILDING F	100	335	300	3	120	1		-	$.T.O.	(2#12,#12G) 3/4"C	A, B, C, D, E

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
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me engineers
14143 Denver West Pkwy
Suite 300
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United States
Tel 303.421.6655

Martin/Martin
12499 West Colfax Ave.
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United States
Tel 303.431.6100

Date	Description
- 2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER

05/20/2021

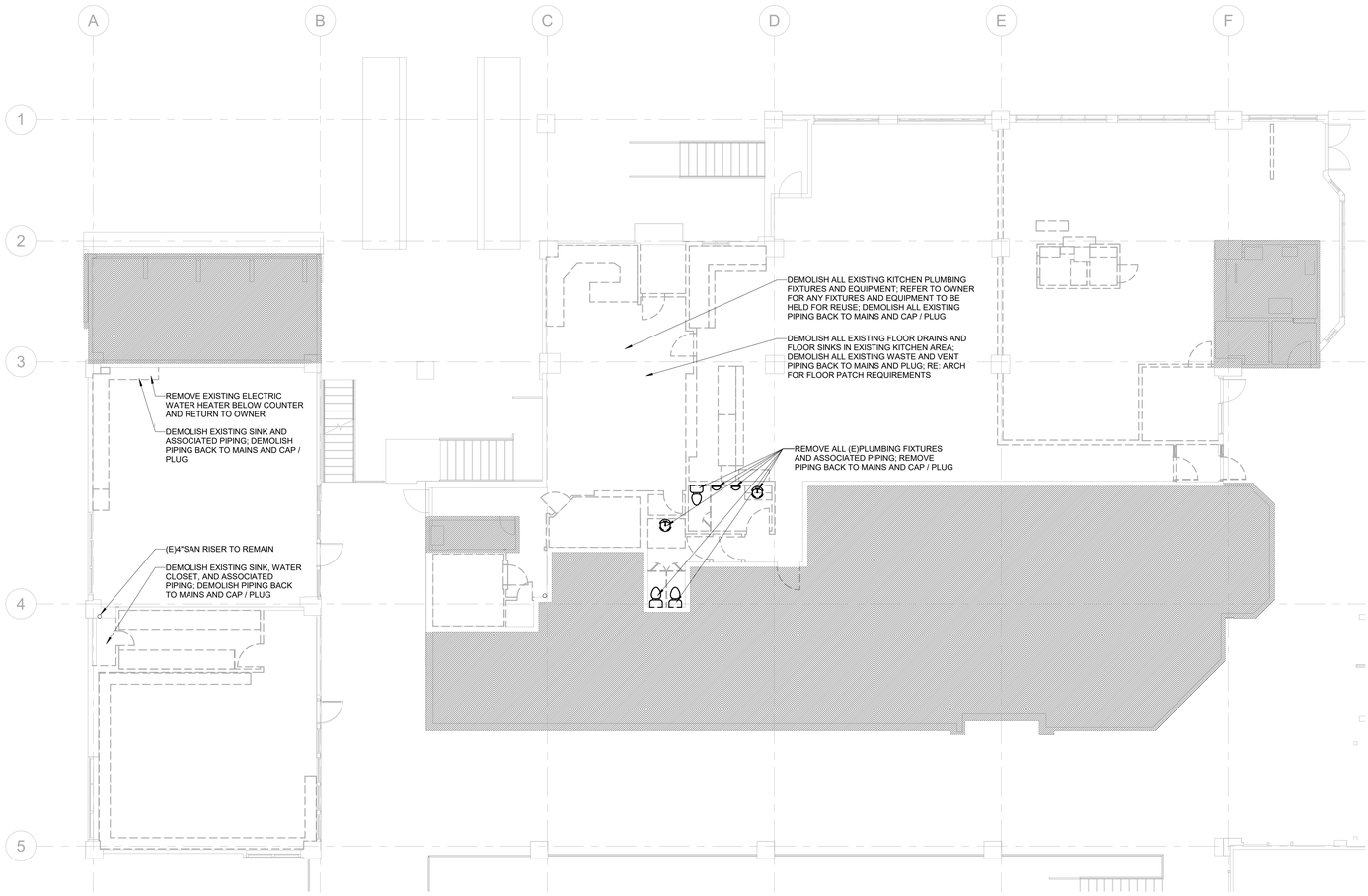
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING SCHEDULES

Scale

P0.002



1 PLUMBING DEMO PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING, FIXTURES, AND EQUIPMENT SCHEDULED TO BE DEMOLISHED PRIOR TO COMMENSING WORK.

2. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING THAT REQUIRES CONNECTION TO NEW PRIOR TO COMMENSING WORK.

3. REQUIRED PIPE SIZES ARE SHOWN NEXT TO KEY NOTE.

4. PROVIDE BALL VALVE SHUTOFF AND 12"X12" ACCESS PANEL AT EACH SHOCK ABSORBER (SA). PANEL LOCATION TO BE VERIFIED AND COORDINATED WITH ARCHITECT.

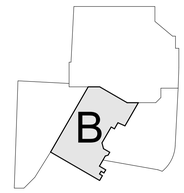
5. ALL CIRCUIT SETTERS SHALL BE SET AT 1.0 GPM UNLESS NOTED OTHERWISE.

KEY NOTES:

(SOME KEY NOTES MAY NOT APPLY TO THIS SHEET)

1 SANITARY PIPING UP
2 SANITARY PIPING DN
3 SANITARY PIPING UP & DN
4 GW PIPING UP
5 GW PIPING DN
6 GW PIPING UP & DN
7 SANITARY VENT UP
8 SANITARY VENT DN
9 SANITARY VENT UP & DN
10 CW PIPING UP
11 CW PIPING DN
12 CW PIPING UP & DN
13 HW PIPING UP
14 HW PIPING DN
15 HW PIPING UP & DN
16 HWC PIPING UP
17 HWC PIPING DN
18 HWC PIPING UP & DN
19 CW & HW PIPING UP
20 CW & HW PIPING DN
21 CW & HW PIPING UP & DN
22 GAS PIPING UP
23 GAS PIPING DN
24 GAS PIPING UP & DN
25 STORM PIPING UP
26 STORM PIPING DN
27 STORM PIPING UP & DN
28 OVERFLOW PIPING UP
29 OVERFLOW PIPING DN
30 OVERFLOW PIPING UP &DN
31 OVERFLOW PIPING DOWN AND THRU WALL TO DOWNSPOUT NOZZLE +12" AFG
32 SANITARY PIPING UP TO PLUMBING FIXTURES
33 PIPING UP TO CLEANOUT
34 1/2" CW & HW TO EACH LAV/SK
35 PIPING UP TO DRAIN
36 1/2" CW & HW DOWN TO SHOWER VALVE & 1/2" UP TO SHOWERHEAD

KEY PLAN



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Gensler

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12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED
MARION E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

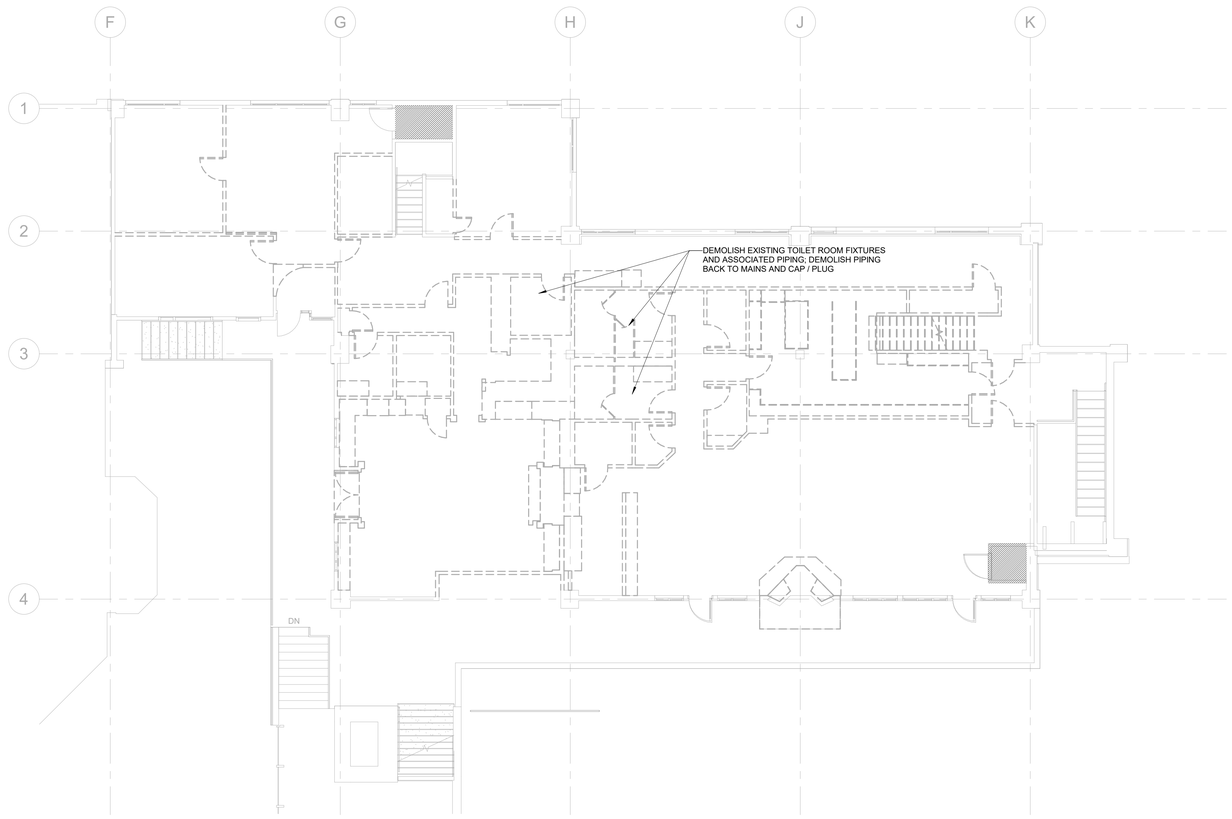
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING DEMOLITION PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

DP1.102



1 PLUMBING DEMO PLAN - A BUILDING LEVEL 03
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING, FIXTURES, AND EQUIPMENT SCHEDULED TO BE DEMOLISHED PRIOR TO COMMENSING WORK.

2. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING THAT REQUIRES CONNECTION TO NEW PRIOR TO COMMENSING WORK.

3. REQUIRED PIPE SIZES ARE SHOWN NEXT TO KEY NOTE.

4. PROVIDE BALL VALVE SHUTOFF AND 12"X12" ACCESS PANEL AT EACH SHOCK ABSORBER (SA). PANEL LOCATION TO BE VERIFIED AND COORDINATED WITH ARCHITECT.

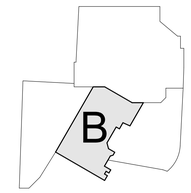
5. ALL CIRCUIT SETTERS SHALL BE SET AT 1.0 GPM UNLESS NOTED OTHERWISE.

KEY NOTES:

(SOME KEY NOTES MAY NOT APPLY TO THIS SHEET)

1 SANITARY PIPING UP
2 SANITARY PIPING DN
3 SANITARY PIPING UP & DN
4 GW PIPING UP
5 GW PIPING DN
6 GW PIPING UP & DN
7 SANITARY VENT UP
8 SANITARY VENT DN
9 SANITARY VENT UP & DN
10 CW PIPING UP
11 CW PIPING DN
12 CW PIPING UP & DN
13 HW PIPING UP
14 HW PIPING DN
15 HW PIPING UP & DN
16 HWC PIPING UP
17 HWC PIPING DN
18 HWC PIPING UP & DN
19 CW & HW PIPING UP
20 CW & HW PIPING DN
21 CW & HW PIPING UP & DN
22 GAS PIPING UP
23 GAS PIPING DN
24 GAS PIPING UP & DN
25 STORM PIPING UP
26 STORM PIPING DN
27 STORM PIPING UP & DN
28 OVERFLOW PIPING UP
29 OVERFLOW PIPING DN
30 OVERFLOW PIPING UP &DN
31 OVERFLOW PIPING DOWN AND THRU WALL TO DOWNSPOUT NOZZLE +12" AFG
32 SANITARY PIPING UP TO PLUMBING FIXTURES
33 PIPING UP TO CLEANOUT
34 1/2" CW & HW TO EACH LAV/SK
35 PIPING UP TO DRAIN
36 1/2" CW & HW DOWN TO SHOWER VALVE & 1/2" UP TO SHOWERHEAD

KEY PLAN



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14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

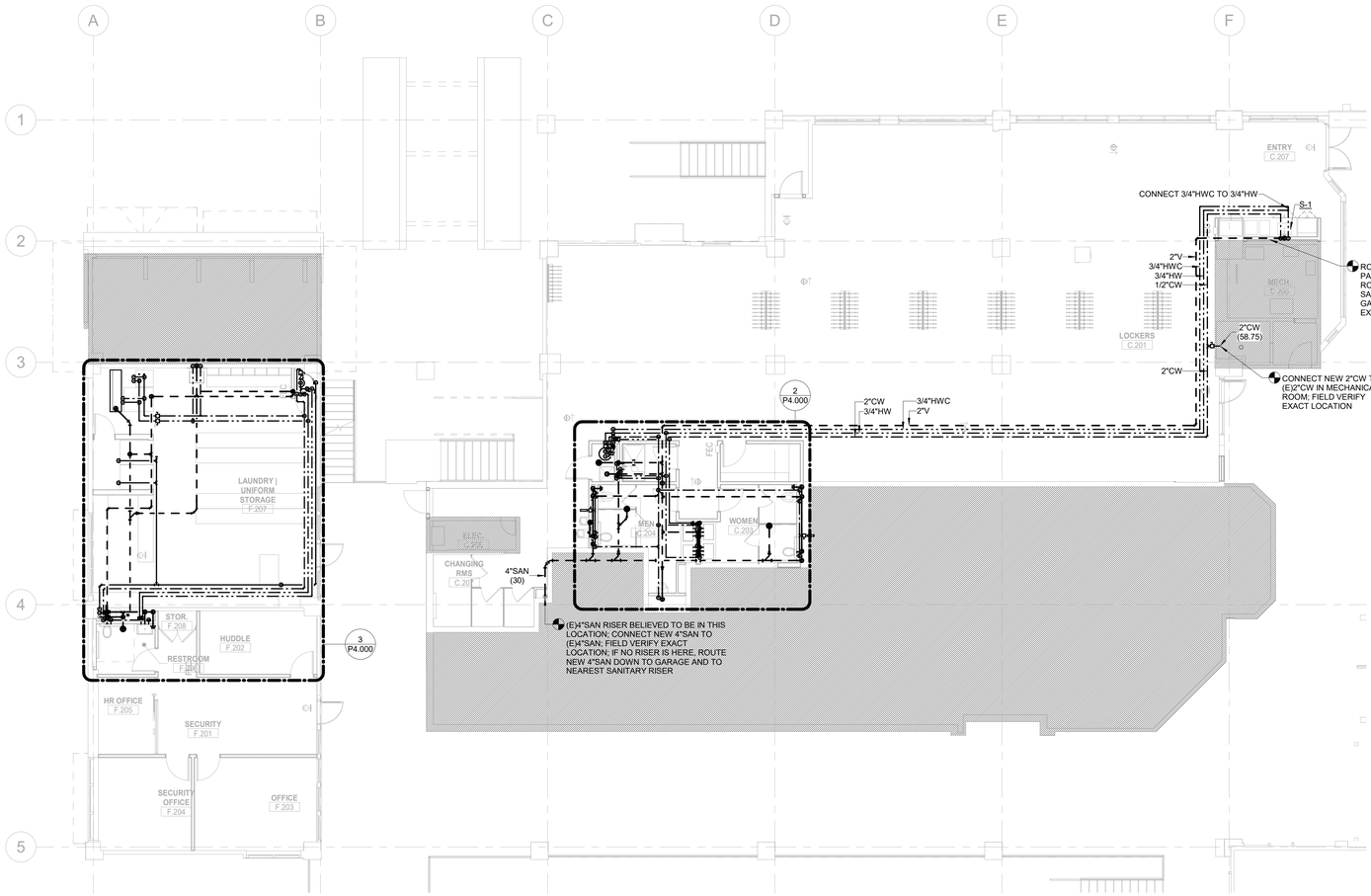
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING DEMOLITION PLAN - A BUILDING LEVEL 03 & 04

Scale
1/8" = 1'-0"

DP1.103



GENERAL NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING, FIXTURES, AND EQUIPMENT SCHEDULED TO BE DEMOLISHED PRIOR TO COMMENSING WORK.

2. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING THAT REQUIRES CONNECTION TO NEW PRIOR TO COMMENSING WORK.

3. REQUIRED PIPE SIZES ARE SHOWN NEXT TO KEY NOTE.

4. PROVIDE BALL VALVE SHUTOFF AND 12"X12" ACCESS PANEL AT EACH SHOCK ABSORBER (SA). PANEL LOCATION TO BE VERIFIED AND COORDINATED WITH ARCHITECT.

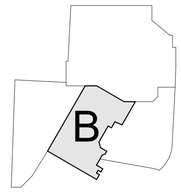
5. ALL CIRCUIT SETTERS SHALL BE SET AT 1.0 GPM UNLESS NOTED OTHERWISE.

KEY NOTES:

(SOME KEY NOTES MAY NOT APPLY TO THIS SHEET)

1 SANITARY PIPING UP
2 SANITARY PIPING DN
3 SANITARY PIPING UP & DN
4 GW PIPING UP
5 GW PIPING DN
6 GW PIPING UP & DN
7 SANITARY VENT UP
8 SANITARY VENT DN
9 SANITARY VENT UP & DN
10 CW PIPING UP
11 CW PIPING DN
12 CW PIPING UP & DN
13 HW PIPING UP
14 HW PIPING DN
15 HW PIPING UP & DN
16 HWC PIPING UP
17 HWC PIPING DN
18 HWC PIPING UP & DN
19 CW & HW PIPING UP
20 CW & HW PIPING DN
21 CW & HW PIPING UP & DN
22 GAS PIPING UP
23 GAS PIPING DN
24 GAS PIPING UP & DN
25 STORM PIPING UP
26 STORM PIPING DN
27 STORM PIPING UP & DN
28 OVERFLOW PIPING UP
29 OVERFLOW PIPING DN
30 OVERFLOW PIPING UP &DN
31 OVERFLOW PIPING DOWN AND THRU WALL TO DOWNSPOUT NOZZLE +12" AFG
32 SANITARY PIPING UP TO PLUMBING FIXTURES
33 PIPING UP TO CLEANOUT
34 1/2" CW & HW TO EACH LAV/SK
35 PIPING UP TO DRAIN
36 1/2" CW & HW DOWN TO SHOWER VALVE & 1/2" UP TO SHOWERHEAD

KEY PLAN



1 PLUMBING PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
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MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
05/20/2021

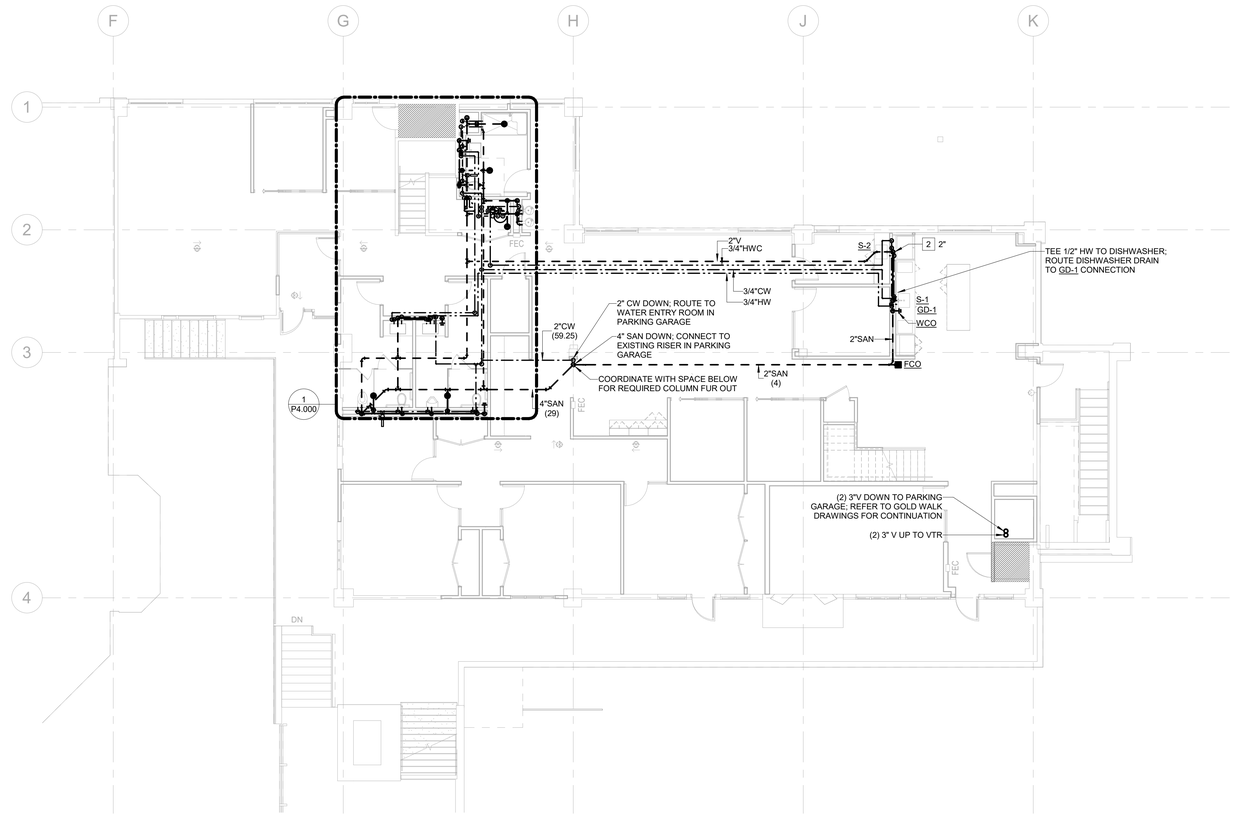
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING PLAN - C & F BUILDING LEVEL 02

Scale
1/8" = 1'-0"

P1.202



1 PLUMBING PLAN - A BUILDING LEVEL 03

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

GENERAL NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING, FIXTURES, AND EQUIPMENT SCHEDULED TO BE DEMOLISHED PRIOR TO COMMENSING WORK.

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14 HW PIPING DN
15 HW PIPING UP & DN
16 HWC PIPING UP
17 HWC PIPING DN
18 HWC PIPING UP & DN
19 CW & HW PIPING UP
20 CW & HW PIPING DN
21 CW & HW PIPING UP & DN
22 GAS PIPING UP
23 GAS PIPING DN
24 GAS PIPING UP & DN
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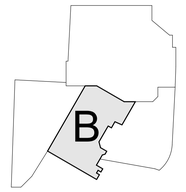
KEY PLAN



Steamboat
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Steamboat Springs, CO 80487

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05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
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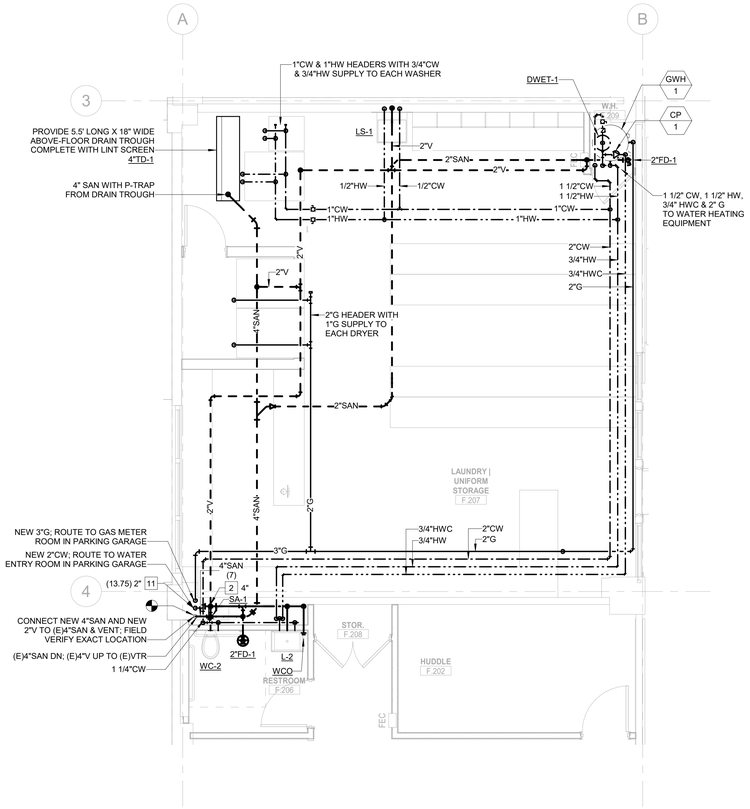
Description
PLUMBING PLAN - A BUILDING LEVEL 03

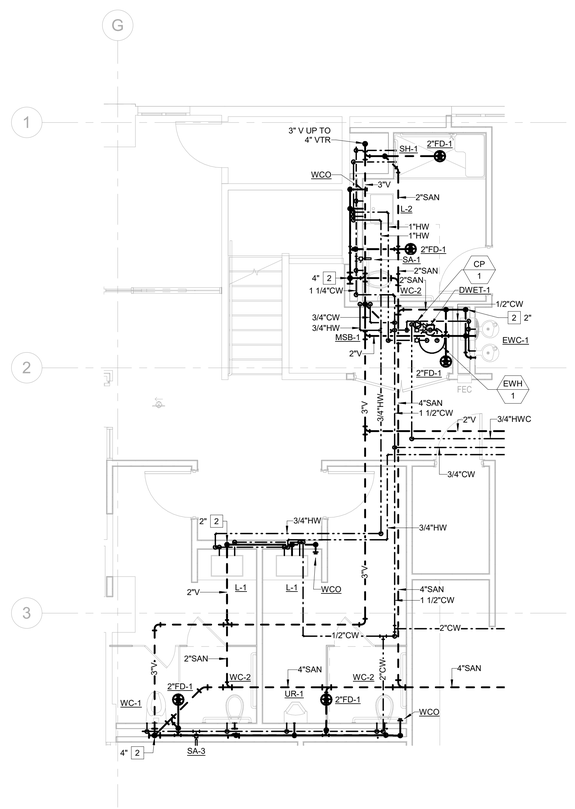
Scale
1/8" = 1'-0"

P1.203



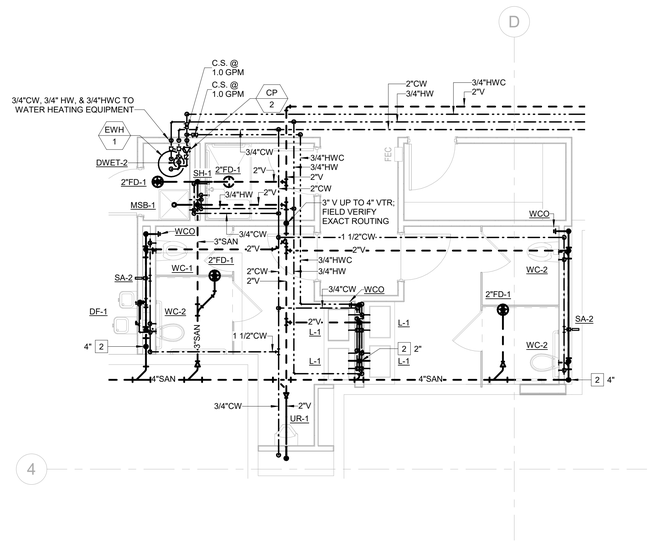
3 PLUMBING ENLARGED PLAN - BUILDING F

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



1 PLUMBING ENLARGED PLAN - BUILDING A RESTROOMS

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



2 PLUMBING ENLARGED PLAN - BUILDING C RESTROOMS

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

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05/20/2021

Project Name
Steamboat Base Village Redevelopment

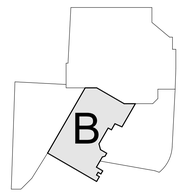
Project Number
003.7835.000

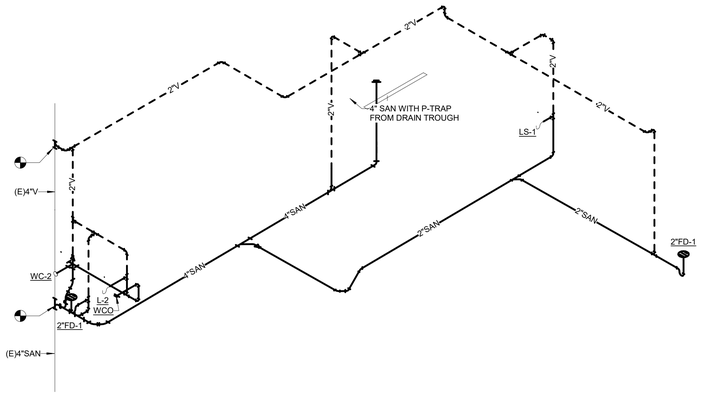
Description
ENLARGED PLUMBING PLANS

Scale
1/4" = 1'-0"

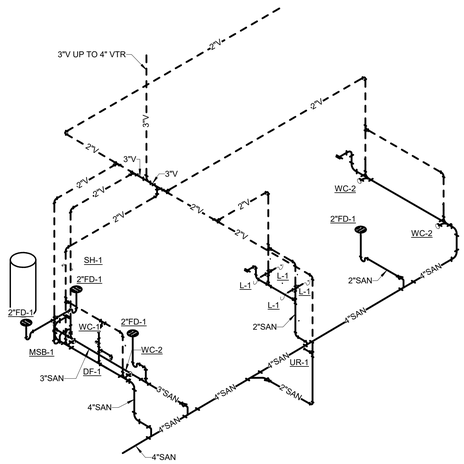
P4.000

KEY PLAN

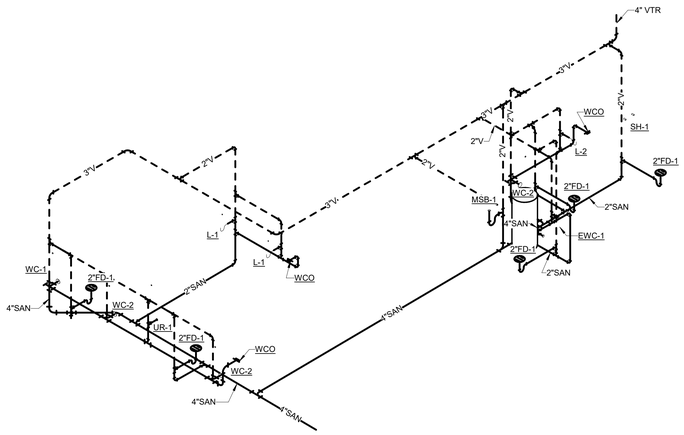




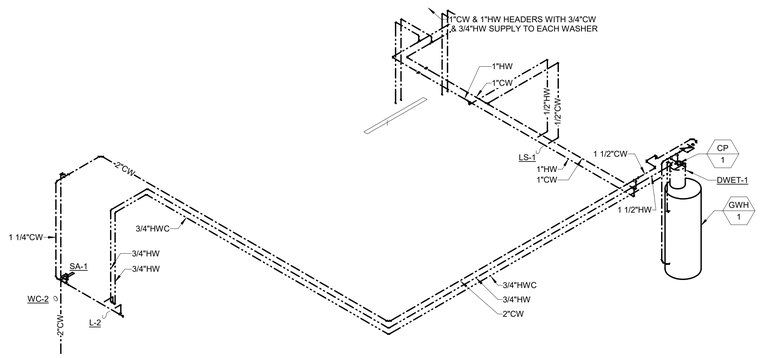
5 PLUMBING SANITARY ISOMETRIC - BUILDING F



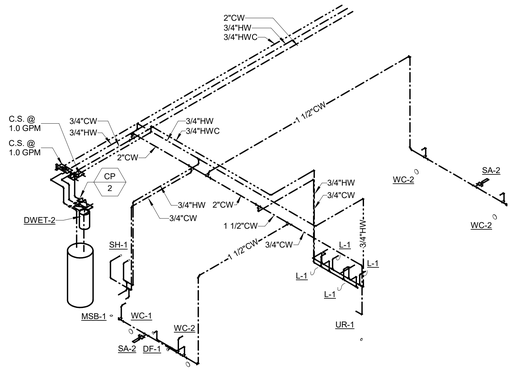
3 PLUMBING SANITARY ISOMETRIC - BUILDING C RESTROOMS



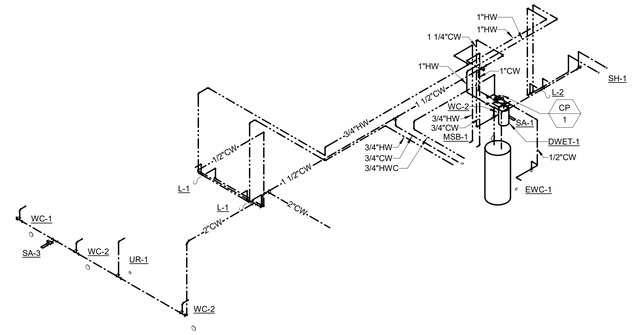
1 PLUMBING SANITARY ISOMETRIC - BUILDING A RESTROOMS



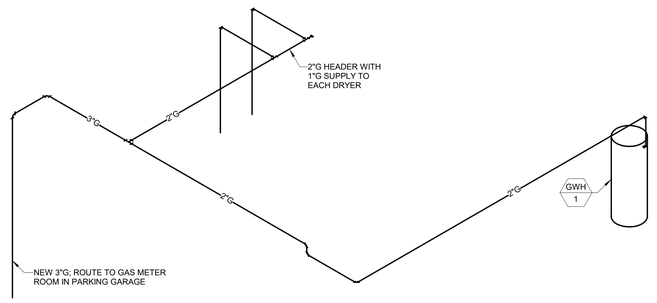
6 PLUMBING WATER ISOMETRIC - BUILDING F



4 PLUMBING WATER ISOMETRIC - BUILDING C RESTROOMS



2 PLUMBING WATER ISOMETRIC - BUILDING A RESTROOMS



7 PLUMBING GAS ISOMETRIC - BUILDING F

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
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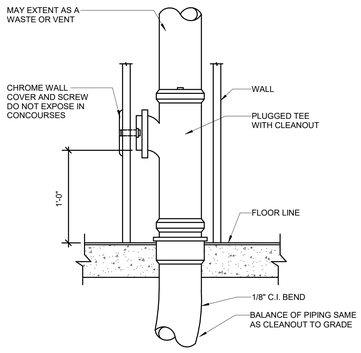
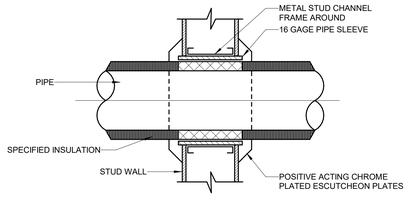
Description
PLUMBING ISOMETRICS

Scale

P6.000

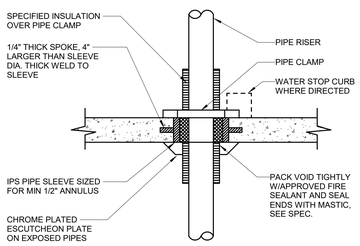


8 WALL CLEANOUT DETAIL
NO SCALE

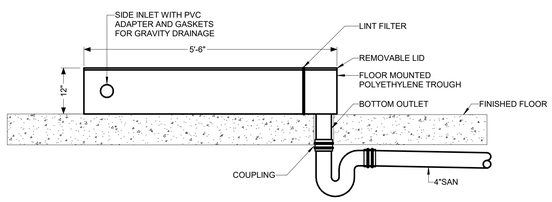


NOTE: OMIT ESCUTCHEON PLATES FOR CONCEALED PIPES.

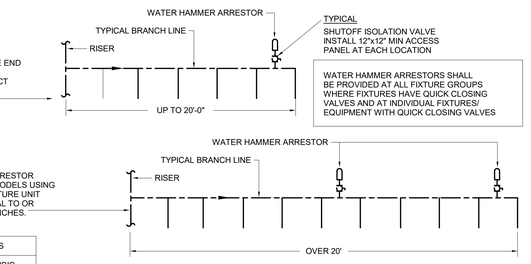
9 PIPE THRU STUD WALL DETAIL
NO SCALE



10 PIPE THRU FLOOR SLAB DETAIL
NO SCALE



11 LAUNDRY TROUGH DRAIN DETAIL
NO SCALE



BRANCH LINES OF 20 FEET OR LESS

PLACE WATER HAMMER ARRESTOR AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED, AS SHOWN. SELECT REQUIRED MODEL USING FIXTURE UNIT SIZING.

BRANCH LINES EXCEEDING 20 FEET

PLACE AN ADDITIONAL WATER HAMMER ARRESTOR AS SHOWN AT RIGHT. SELECT REQUIRED MODELS USING FIXTURE UNIT SIZING. THE SUM OF THE FIXTURE UNIT RATINGS OF UNITS X AND Y SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

WATER HAMMER ARRESTORS SHALL BE PROVIDED AT ALL FIXTURE GROUPS WHERE FIXTURES HAVE QUICK CLOSING VALVES AND AT INDIVIDUAL FIXTURES/ EQUIPMENT WITH QUICK CLOSING VALVES

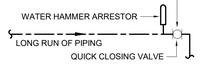
	WATER HAMMER ARRESTOR CAPACITIES			
CODE	CONN. SIZE	PDI SIZE	FIXTURE UNIT CAPACITY	CUBIC INCH VOLUME
SA-1	1/2"	A	1 TO 11	5
SA-2	3/4"	B	12 TO 32	7
SA-3	1"	C	33 TO 60	11
SA-4	1"	D	61 TO 113	20
SA-5	1"	E	114 TO 154	29
SA-6	1"	F	155 TO 330	34

NOTE: MATCH TOTAL FIXTURE UNITS OF BRANCH LINE TO CORRECT SIZE OF WATER HAMMER ARRESTOR.

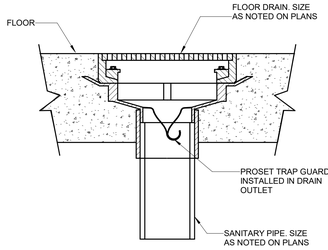
P.D.I. WATER HAMMER ARRESTORS						
LENGTH OF PIPE	NOMINAL PIPE DIAMETERS					
	1/2"	3/4	1"	1-1/4"	1-1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

WHEN LONG RUNS OF PIPING ARE EMPLOYED TO SERVE REMOTE EQUIPMENT, WATER HAMMER ARRESTOR SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE POINT OF QUICK CLOSURE.

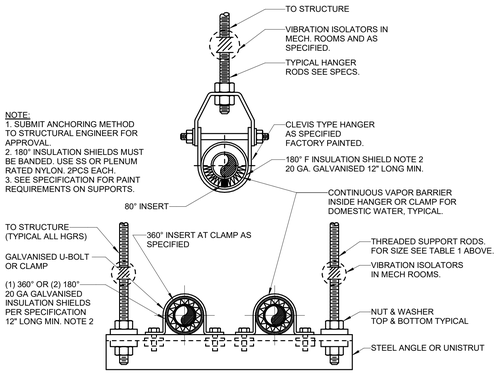
THE SIZE AND QUANTITY OF WATER HAMMER ARRESTORS TO BE INSTALLED IN BRANCH LINES IS SHOWN IN TABLE. WHEN FLOW PRESSURES OF 65 TO 85 PSIG ARE USED, THE NEXT LARGER SIZE SHOULD BE SELECTED.



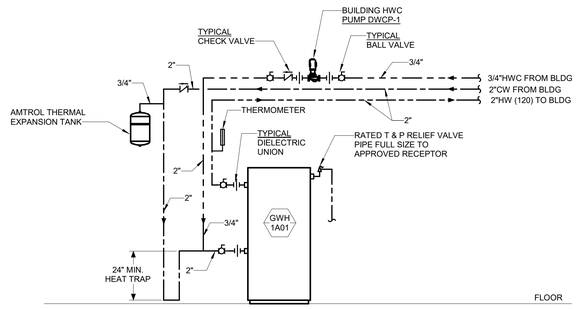
5 WATER HAMMER ARRESTOR INSTALLATION AND SIZING DETAIL
NO SCALE



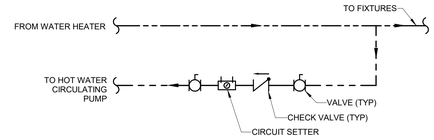
6 TRAP GUARD DETAIL
NO SCALE



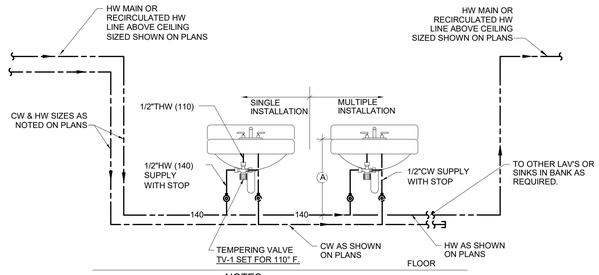
7 DOMESTIC PIPING HANGER DETAIL
NO SCALE



1 GAS FIRED WATER HEATER DETAIL
NO SCALE

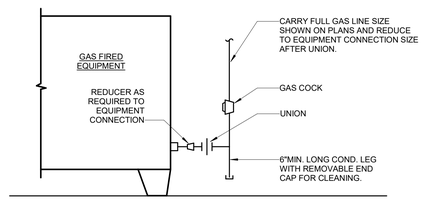


2 HOT WATER RECIRC DETAIL
NO SCALE



NOTES:
1. ALL WATER PIPING BEFORE STOPS SHALL BE INSTALLED IN CHASE BEHIND FIXTURES.
2. DETAIL APPLIES TO SINGLE APPLICATION ALSO. DELETE ALL FIXTURES AFTER FIRST LAV OR SINK SHOWN.
3. DISTANCE "A" FROM HOT WATER MAIN TO HOT WATER SIDE OF FAUCET TO BE NO MORE THAN 2 FEET.
4. P-TRAP AND HW SUPPLY LINES TO BE INSULATED ON ALL ADA LAVS.

3 MANUAL PUBLIC LAV TEMPERING VALVE DETAIL
NO SCALE



4 TYPICAL GAS PIPING CONNECTION TO EQUIP
NO SCALE

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.21	BP4D - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
05/20/2021

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
PLUMBING DETAILS

Scale
NO SCALE

P8.000

SECURITY SYSTEMS SYMBOLS

	DETAIL REFERENCE	REFER TO REFERENCED DEVICE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.
L:XX #CA1 X-Y"	N/A	CAMERA TAG INDICATES CAMERA ID# ("L:XX"), CAMERA TYPE AND MOUNTING HEIGHT. REFER TO CAMERA SCHEDULE FOR ADDITIONAL INFORMATION AND DETAIL REFERENCES.
L:XX	S.01	FIXED (INTERIOR) SECURITY CAMERA. (REF: CAMERA SCHEDULES)
L:XX	S.01	PTZ (INTERIOR) SECURITY CAMERA. (REF: CAMERA SCHEDULES)
L:XX	S.01	FIXED (EXTERIOR) SECURITY CAMERA. (REF: CAMERA SCHEDULES)
L:XX	S.01	PTZ (EXTERIOR) SECURITY CAMERA. (REF: CAMERA SCHEDULES)
C:XXX	S.03	CONTROLLED DOORWAY: REFER TO ACCESS CONTROL DOOR SCHEDULE. ("XXX" = ARCHITECTURAL DOOR NUMBER)
M:XXX	S.03	MONITORED ONLY DOORWAY: REFER TO ACCESS CONTROL DOOR SCHEDULE. ("XXX" = ARCHITECTURAL DOOR NUMBER)
R	S.03	PROXIMITY CARD READER MOUNTED AT 48"AFF.
K	S.03	KEYPAD / CARD READER MOUNTED AT 48"AFF.

GENERAL NOTES:

1. REFER TO DETAILS AS INDICATED ABOVE FOR ADDITIONAL RACEWAY, CABLING AND/OR DEVICE INFORMATION.
2. REFER TO "COMMUNICATION SYSTEM SYMBOLS" LEGEND FOR STRUCTURED CABLING (DATA) REQUIREMENTS FOR IP-ENABLED DEVICES. SECURITY DETAILS AND/OR SCHEDULES DEFINE RACEWAY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO BACK-BOX TYPE, SIZE, MOUNTING CONDITION AND HEIGHT.

PATHWAY REQUIREMENTS:

1. J-HOOK PATHWAY: ROUTE AND TERMINATE CONDUIT WITHIN NEAREST ACCESSIBLE CEILING SPACE. PROVIDE DEDIATED J-HOOKS AT 48-INCHES ON CENTER FOR REMAINING CABLE RUN TO NEAREST CABLE TRAY (AS APPLICABLE) OR SECURITY ROOM / TELECOM ROOM, UNLESS NOTED OTHERWISE. PROVIDE CONDUIT PATHWAY THROUGH WALLS AND ACCROSS NON-ACCESSIBLE OR EXPOSED CEILING AREAS TO ENSURE UNOBSTRUCTED CABLE PATHWAY FOR ENTIRE CABLE RUN.

COMMUNICATIONS SYSTEMS SYMBOLS

	DETAIL REFERENCE	REFER TO REFERENCED DEVICE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.
"WP"	N/A	WEATHER-PROOF DEVICE COVER (TYPICAL FOR ALL DEVICES INDICATED WITH "WP").
E/#	E.01	TELE/DATA OUTLET(S) FOR ELEVATOR CAB DEVICES (PHONE, CAMERA, VIDEO DISPLAY, ETC.). COORDINATE MOUNTING HEIGHT WITH ELEVATOR INTERFACE PANEL. (# = PORT QUANTITY, NO /# = 1-PORT)
W	C.01 / R.01	TELE/DATA OUTLET FOR PHONE, WALL MOUNTED AT 48"AFF.
#	C.02 / R.01	DATA OUTLET WALL MOUNTED AT 18"AFF U.N.O. (# = PORT QUANTITY, NO /# = 1-PORT)
#	C.02 / R.01	DATA OUTLET WALL MOUNTED ABOVE COUNTER AT 8" ABOVE COUNTER OR MAXIMUM OF 44" AFF, U.N.O. (# = PORT QUANTITY, NO /# = 1-PORT)
#	C.02 / R.01	DATA OUTLET MOUNTED ABOVE ACCESSIBLE CEILING,FLUSH IN HARD CEILING, OR TIGHT TO STRUCTURE OVERHEAD (AT EXPOSED CEILING), U.N.O. (# = PORT QUANTITY, NO / # = 1-PORT)
F/#	C.06 / R.04	DATA OUTLET MOUNTED IN MODULAR FURNITURE. (# = PORT QUANTITY, NO / # = 1-PORT)
POS/#	C.02 / R.01	POINT-OF-SALE (POS) DATA OUTLET WALL MOUNTED AT 18" AFF U.N.O. (# = PORT QUANTITY, NO /# = 1-PORT)
TV/#	C.05 / R.02	DATA / COAX OUTLET FOR TV / VIDEO DISPLAY WALL MOUNTED WITHIN SHARED BACK-BOX.
TV	C.05 / R.02	DATA / COAX OUTLET FOR TV / VIDEO DISPLAY CEILING MOUNTED WITHIN SHARED BACK-BOX.
WLAN/#	C.04 / R.01	WIRELESS LAN DATA OUTLET WALL MOUNTED AT 10'-0" AFF, U.N.O. (# = PORT QUANTITY, NO /# = 1-PORT)
WLAN/#	C.04 / R.01	WIRELESS LAN OUTLET MOUNTED ABOVE ACCESSIBLE CEILING, FLUSH IN HARD CEILING, OR TIGHT TO STRUCTURE OVERHEAD (AT EXPOSED CEILINGS), U.N.O. (# = PORT QUANTITY, NO / # = 1-PORT)
WLAN-E/#	W.01 / W.02	WIRELESS LAN DATA OUTLET MOUNTED WITHIN NEMA ENCLOSURE MOUNTED TO WALL OR STRUCTURE. (# = PORT QUANTITY, NO /# = 1-PORT)
CAM	C.03 / S.02	DATA OUTLET FOR IP-BASED SECURITY CAMERA WALL OR POLE MOUNTED WITHIN SECURITY CAMERA BACK-BOX.
CAM	C.03 / S.02	DATA OUTLET FOR IP-BASED SECURITY CAMERA CEILING MOUNTED WITHIN SECURITY CAMERA BACK-BOX.
CAM/F	C.07 / S.02	FIBER OPTIC DATA OUTLET FOR IP-BASED SECURITY CAMERA WALL OR POLE MOUNTED WITHIN SECURITY CAMERA BACK-BOX.
# #	C.05 / R.05	DATA OUTLET MOUNTED IN SURFACE RACEWAY. (# = PORT QUANTITY, NO /# = 1-PORT)
#	C.05 / R.03	DATA OUTLET MOUNTED WITHIN POWER / DATA FLOORBOX (# = PORT QUANTITY, NO /# = 1-PORT)
AV/#	C.05 / R.03	DATA OUTLET MOUNTED WITHIN POWER / DATA / AV FLOORBOX (# = PORT QUANTITY, NO /# = 1-PORT)
AV/#	C.14	MULTI-PORT DATA DEVICE TERMINATED ON PATCH PANEL MOUNTED IN AV ENCLOSURE. (# = PORT QUANTITY, NO / # = 1-PORT)

GENERAL NOTES:

1. REFER TO DETAILS AS INDICATED ABOVE FOR ADDITIONAL RACEWAY, CABLING AND/OR DEVICE INFORMATION.
2. REFER TO OTHER SYSTEMS DRAWINGS (AV, SECURITY, ETC.) FOR BACK-BOX REQUIREMENTS SPECIFIC TO EACH DEVICE TYPE. SELECT DEVICES MAY REQUIRE SPECIALIZED BACK-BOX TYPES, SIZES AND MOUNTING CONDITIONS AS DEPICTED IN OTHER SYSTEMS DRAWINGS.
3. PROVIDE CAT.6 (1G) UTP CABLE TERMINATED (PER EIA/TIA-T568B) ON CAT.6 OUTLETS AND/OR PATCH PANELS FOR ALL TELE/DATA DEVICES, U.N.O.
4. RG-6 COAXIAL CABLE TERMINATED WITH F-TYPE CONNECTORS FOR COAXIAL DEVICES.

PATHWAY REQUIREMENTS:

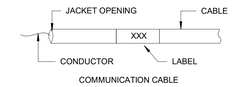
1. J-HOOK PATHWAY: ROUTE AND TERMINATE CONDUIT WITHIN NEAREST ACCESSIBLE CEILING SPACE. PROVIDE DEDIATED J-HOOKS AT 48-INCHES ON CENTER FOR REMAINING CABLE RUN TO NEAREST CABLE TRAY (AS APPLICABLE) OR TELECOM ROOM / HORIZONTAL CROSS-CONNECT LOCATION, UNLESS NOTED OTHERWISE. PROVIDE CONDUIT PATHWAY THROUGH WALLS AND ACCROSS NON-ACCESSIBLE OR EXPOSED CEILING AREAS TO ENSURE UNOBSTRUCTED CABLE PATHWAY FOR ENTIRE CABLE RUN.

CROSS-CONNECTS

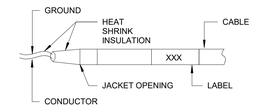
	DETAIL REFERENCE	REFER TO REFERENCED DEVICE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.
SP	N/A	TELECOMMUNICATIONS SERVICE PROVIDER CROSS-CONNECT (SP) PROVIDED BY OTHERS. (SHOWN FOR REFERENCE ONLY)
MC	C.12	TELECOMMUNICATIONS MAIN CROSS-CONNECT (MC).
IC	C.12	TELECOMMUNICATIONS INTERMEDIATE CROSS-CONNECT (IC).
HC	C.12	TELECOMMUNICATIONS HORIZONTAL CROSS-CONNECT (HC).
SP	C.11	FIBER OPTIC DATA SERVICE PROVIDER CROSS-CONNECT (SP) PROVIDED BY OTHERS, (SHOWN FOR REFERENCE ONLY).
MC	C.11	FIBER OPTIC DATA MAIN CROSS-CONNECT (MC).
IC	C.11	FIBER OPTIC DATA INTERMEDIATE CROSS-CONNECT (IC).
HC	C.13	DATA HORIZONTAL CROSS-CONNECT (HC).
TV	N/A	CABLE OR SAT TV CROSS-CONNECT.
DCC	C.12	TELECOMMUNICATIONS DATA CENTER CROSS-CONNECT.
DCC	C.11	FIBER OPTIC DATA CENTER CROSS-CONNECT (DCC).
CC	C.11	FIBER OPTIC CAMPUS CROSS-CONNECT (CC).
CC	C.12	TELECOMMUNICATIONS CAMPUS CROSS-CONNECT.
ST	C.12	TELECOMMUNICATIONS SERVICE TIE CROSS-CONNECT.
ST	C.11	FIBER OPTIC SERVICE TIE CROSS-CONNECT.

INFRASTRUCTURE

	DETAIL REFERENCE	REFER TO REFERENCED DEVICE DESCRIPTION FOR ADDITIONAL REQUIREMENTS.
	R.03	TELE/DATA FURNITURE FEED FLOOR BOX (WITH COVER PLATE AND FLEXIBLE WHIP)
	R.04	TELE/DATA FURNITURE FEED WALL BACK-BOX (WITH COVER PLATE AND FLEXIBLE WHIP) MOUNTED AT 18" AFF.
	R.01	RACEWAY ONLY OUTLET LOCATION MOUNTED AT 18"AFF, U.N.O.
	R.01	RACEWAY ONLY OUTLET LOCATION MOUNTED ABOVE ACCESSIBLE CEILING, FLUSH IN HARD CEILING, OR TIGHT TO STRUCTURE OVERHEAD (AT EXPOSED CEILINGS), U.N.O.
TMGB	G.01	MAIN TELECOMMUNICATIONS GROUND BUS.
TGB	G.02	TELECOMMUNICATIONS GROUND BUS.
	N/A	2-POST EQUIPMENT RACK. (REF: RACK / CABINET SCHEDULES)
	N/A	4-POST EQUIPMENT RACK. (REF: RACK / CABINET SCHEDULES)
	N/A	EQUIPMENT CABINET. (REF: RACK / CABINET SCHEDULES)
AV	N/A	AV SLIDE-OUT / PIVOT STYLE EQUIPMENT CABINET. (REF: RACK / CABINET SCHEDULES)
	N/A	WALL MOUNTED SWING OUT EQUIPMENT RACK. (REF: RACK / CABINET SCHEDULES)
	N/A	WALL MOUNTED SWING OUT EQUIPMENT CABINET. (REF: RACK / CABINET SCHEDULES)
	N/A	EQUIPMENT RACK OR CABINET PROVIDED BY OTHERS. SHOWN FOR REFERENCE TO ALLOCATE FLOOR SPACE.
MH	U.02	COMMUNICATIONS MANHOLE.
HH	U.03	COMMUNICATIONS IN-GRADE HAND HOLE / PULL-BOX.



COMMUNICATION CABLE



AUDIOVISUAL / SECURITY /NURSE CALL SYSTEMS CABLE

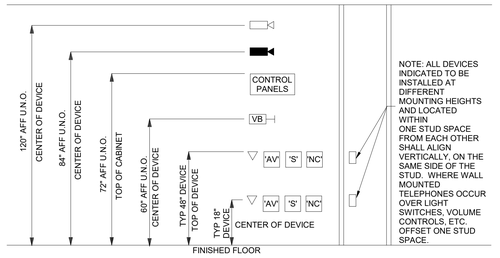
GENERAL NOTES:

1. CABLES: ALL SYSTEM CABLES OUTSIDE OF CONDUIT SHALL BE SUPPORTED WITHIN CEILING SPACES, UNDER FLOORS SPACES, ALONG WALLS, AND WITHIN EQUIPMENT RACKS PER SPECIFICATIONS.
2. CABLE DRESSING: ALL CABLES SHALL BE INSTALLED PER INFORMATION SHOWN HERE AND WITHIN SPECIFICATIONS. ALL CABLE NOT MEETING REQUIREMENTS HEREIN WILL BE REDRESSED AND / OR REPLACED AS NECESSARY.
3. LABELS: PROVIDE THERMAL TRANSFER / SELF-LAMINATING TYPE LABELS LOCATED ~2 INCHES FROM EACH END OF TERMINATED CABLE. HAND WRITTEN LABELS WILL NOT BE ACCEPTED.
4. HEAT SHRINK: PROVIDE HEAT SHRINK AT EACH EACH END OF TERMINATED CABLE FOR ALL AUDIOVISUAL / SECURITY / NURSE CALL CABLES. TAPE (ELECTRICAL OR OTHERWISE) UTILIZED IN PLACE OF HEAT SHRINK SHALL NOT BE ACCEPTED.
5. GROUND CONDUCTOR: PROVIDE CLEAR HEAT SHINK FOR ALL TERMINATED GROUND CONDUCTORS. FOR ALL UN-TERMINATED GROUND CONDUCTORS, CUT BACK TO JACKET OPENING AND COVER WITH HEAT SHRINK.

CABLE DRESS REQUIREMENTS

CABLE DRESS COLOR REQUIREMENTS

USE	CABLE COLOR	OUTLET TERMINATION	PATCH PANEL TERMINATION
DATA	BLUE	BLUE	BLUE
VOICE	WHITE	BLUE	WHITE
WAP	PURPLE	BLUE	PURPLE
CAM	GREEN	BLUE	GREEN
POS	YELLOW	BLUE	YELLOW



TYPICAL DEVICE MOUNTING HEIGHTS

NO SCALE

NOTES:

1. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE
2. CONTRACTOR SHALL ENSURE THAT ALL MOUNTING HEIGHTS COMPLY WITH CURRENT ADA REQUIREMENTS.
3. ALL ABOVE COUNTER DEVICES SHALL BE MOUNTED 8" ABOVE COUNTER OR A MAXIMUM OF 44" AFF (TO TOP OF DEVICE). VERIFY HEIGHTS WITH ARCHITECT.
4. WHERE EVER DEVICES ARE INDICATED TO BE ABOVE DOORS, DEVICE SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND CEILING LINE.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIOR BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
TECHNOLOGY LEGEND

Scale
NO SCALE

T0.000

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ALD	ASSISTED LISTENING DEVICE
ALPETH	ALUMINUM POLYETHYLENE
ALS	ASSISTED LISTENING SYSTEM
ALT	ALTERNATE
AMP, A	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
ATSC	ADVANCED TELEVSION SYSTEMS COMMITTEE (DIGITAL TELEVISION SIGNAL)
AUX	AUXILIARY
AUDIO	MICROPHONE OR LINE LEVEL BALANCED SIGNAL
AV	AUDIO VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BICSI	BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL
BMS	BUILDING MANAGEMENT SYSTEM
BRI	BASIC RATE INTERFACE (ISDN)
C	CONDUIT
CATV	COMMUNITY ANTENNA TV (CABLE TV)
CC	CONTACT CLOSURE
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
CO	CENTRAL OFFICE
COAX	COAXIAL
CODEC	CODER / DECODER
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
DAS	DISTRIBUTED ANTENNA SYSTEM
DB	DECIBEL
DC	DIRECT CURRENT
DEMARC	DEMARCATION
DISC	DISCONNECT
DM	DIGITAL MEDIA SIGNAL
DMP	DIGITAL MEDIA PLAYER
DP	DISPLAYPORT
DSL	DIGITAL SUBSCRIBER LINE
DSP	DIGITAL SIGNAL PROCESSOR
DSS	DIGITAL SATELLITE SIGNAL
DVI-D	DIGITAL VISUAL INTERFACE-DIGITAL
DVI-I	DIGITAL VISUAL INTERFACE-INTEGRATED
DWG	DRAWING
EBC	EQUIPMENT BONDING CONDUCTOR
EIA	ELECTRONICS INDUSTRY ALLIANCE
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMC	ELECTROMAGNETIC COMPATIBILITY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRIC METALLIC TUBING
ENG	ELECTRONIC NEWS GATHERING
EX	EXISTING
FA	FIRE ALARM
FAA	FEDERAL AVIATION ADMINISTRATION
FACP	FIRE ALARM CONTROL PANEL
FLEX	FLEXIBLE
FM	FREQUENCY MODULATION
FO	FIBER OPTIC
FP	FLAT PANEL (VIDEO DISPLAY)
FTP	FILE TRANSFER PROTOCOL
GA	GAUGE
GALV	GALVANIZED
GB	GIGABYTE
GbPS	GIGABITS PER SECOND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER

ABBREVIATIONS

GHz	GIGAHERTZ
GMP	GUARANTEED MAXIMUM PRICE
GUI	GRAPHICAL USER INTERFACE
HC	HORIZONTAL CROSS-CONNECT
HD	HIGH DEFINITION
HDMI	HIGH DEFINITION MULTIMEDIA INTERFACE
HVAC	HEATING, VENTILATING, AND AIR-CONDITIONING
Hz	HERTZ
IC	INTERMEDIATE CROSS-CONNECT
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
IF	INTERFACE
IG	ISOLATED GROUND
IMC	INTERMEDIATE GRADE METALLIC CONDUIT
IP	INTERNET PROTOCOL (ETHERNET)
IR	INFRARED SIGNAL
ISDN	INTEGRATED SERVICES DIGITAL NETWORK
ISO	INTERNATIONAL ORGANIZATION OF STANDARDS
J-BOX	JUNCTION BOX
kb	KILOBIT
kbps	KILOBIT PER SECOND
kcmil	THOUSANDS OF CIRCULAR MILLS
kHz	KILOHERTZ
km	KILOMETER
kVA	KILOVOLT AMPERES
kW	KILOWATT
kWh	KILOWATT-HOURS
LAN	LOCAL AREA NETWORK
LED	LIGHT-EMITTING DIODE
LEC	LOCAL EXCHANGE CARRIER (OR SP)
LFC	LIQUID TIGHT FLEXIBLE CONDUIT
LUMEN	LUMINOUS FLUX (PROJECTOR BRIGHTNESS)
LV	LOW VOLTAGE
LVC	LOW VOLTAGE CONTROL INTERFACE
M	METER
mA	MILLIAMPERE
MAG	MAGNETIC
MB	MEGABYTE
Mbps	MEGABITS PER SECOND
MC	MAIN CROSS-CONNECT
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MFR	MANUFACTURER
MHz	MEGAHERTZ
mm	MILLIMETER
MMFO	MULTI-MODE FIBER OPTIC
MNS	MASS NOTIFICATION SYSTEM
MPOE	MAIN POINT OF ENTRY
MPOP	MINIMUM POINT OF PRESENCE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NETWORK INTERFACE CARD
NID	NETWORK INTERFACE DEVICE
NIT	1 CANDELA PER SQUARE METER (FLAT PANEL BRIGHTNESS)
nm	NANOMETER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OFE	OWNER FURNISHED EQUIPMENT
OS	OPERATING SYSTEM
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OSP	OUTSIDE PLANT
OTDR	OPTICAL TIME DOMAIN REFLECTOMETER

ABBREVIATIONS

PA	PUBLIC ADDRESS
PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
PBX	PRIVATE BRANCH EXCHANGE
PCI	PAYMENT CARD INDUSTRY
PE	POLYETHYLENE
PH	PHASE
POTS	PLAIN OLD TELEPHONE SERVICE
PR	PAIRS
PRI	PRIMARY RATE INTERFACE (ISDN)
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PROX	PROXIMITY
PTZ	PAN TILT ZOOM CAMERA
PVC	POLYVINYL CHLORIDE
PWR	POWER
RCDD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
RF	RADIO FREQUENCY SIGNAL
RGBHV	HIGH RESOLUTION ANALOG VIDEO
RGS	RIGID GALVANIZED STEEL
RH	RELATIVE HUMIDITY
RMC	RIGID METALLIC CONDUIT
RNC	RIGID NON-METALLIC CABLE
RS-232	BI-DIRECTIONAL CONTROL DATA STREAM (RS-232/RS-422/RS485)
RX	RECEIVE
SMFO	SINGLE-MODE FIBER OPTIC
SMPOE	SECONDARY MAIN POINT OF ENTRY
SP	SERVICE PROVIDER
SPEAKER	SPEAKER LEVEL SIGNAL
SPL	SOUND PRESSURE LEVEL
STEREO	A BALANCED 2 CHANNEL AUDIO SIGNAL
STI-PA	SPEECH INTELLIGIBILITY INDEX - PUBLIC ADDRESS
STP	SHIELDED TWISTED PAIR
SW	SWITCH
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TCP	TRANSMISSION CONTROL PROTOCOL
TCP/IP	TRANSMISSION CONTROL PROTOCOL WITH INTERNET PROTOCOL
TDD	TELECOMMUNICATIONS DEVICE FOR THE DEAF
TDR	TIME DOMAIN REFLECTOMETER
TDR	TELECOM DEMARC ROOM
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY (SP)
TGB	TELECOMMUNICATIONS GROUND BUS BAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR
TP	TOUCH PANEL (CONTROL SYSTEM)
TR	TELECOMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
UBS	UNIFORM BUILDING CODE
UC	UNDER COUNTER
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
UTP	UNSHIELDED TWISTED PAIR
V	VOLTAGE
VC	VOLUME CONTROL
VGA	VIDEO GRAPHIC ARRAY (ANALOG COMPUTER SIGNAL, SEE ALSO RGBHV)
VM	VOLTMETER
VTC	VIDEO TELECONFERENCE SYSTEM
W	WATT
WAN	WIDE AREA NETWORK
WATS	WIDE AREA TELECOMMUNICATIONS SERVICE
WLAN	WIRELESS LOCAL AREA NETWORK (WIFI)
WM	WIRELESS MICROPHONE
WP	WEATHER PROOF
WT	WATERTIGHT
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

GENERAL TECHNOLOGY SYSTEM REQUIREMENTS:

1. HEIGHTS SHOWN ARE TYPICAL TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. ALL DEVICE OUTLETS SHALL BE MOUNTED VERTICALLY.
2. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE.
3. ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND LOCATED WITHIN ONE STUD SPACE FROM EACH OTHER SHALL ALIGN VERTICALLY, ON THE SAME SIDE OF THE STUD. WHERE WALL MOUNTED TELEPHONES OCCUR OVER LIGHT SWITCHES, VOLUME CONTROLS, ETC. OFFSET ONE STUD SPACE.
4. ALL EXPOSED RACEWAYS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGEWAYS. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPED TOGETHER. THE LOCATION OF THESE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL).
5. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, MASONRY, AND GYP WALLS.
6. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS,LEVELS,SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES,ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO ACTUAL CONDITIONS AT THE BUILDINGS.THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED.HOWEVER THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING HIS WORK WITH ALL OTHER TRADES AND FROM ADJUSTING HIS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT.THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.
7. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT IS NOT LIMITED TO:
   A. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (IE. THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC PROJWINGS, ELECTRICAL LIGHTING PLAN, TECHNOLOGY LAN, FIRE PROTECTION PLAN, ETC.)
   B. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES,
   C. THIS CONTRACTOR SHALL ASSIST THE DIVISION 21, 22, & 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (IE. LOCATING ALL CEILING CLEARANCES,CABLE TRAY, CLEARANCES THROUGHOUT, ETC.).
8. DEFINITIONS:

A. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.

B. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".

C. "PROVIDE" MEANS TO "FURNISH AND INSTALL".

D. "EQUIVALENT"MEANS"MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS."SIGNIFICANT ASPECTS SHALL BE DETERMINED BY THE ENGINEER.

E. "WORK BY OTHER(S)(CONTRACTOR)":"RE:DIVISION XX",AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS, AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT BEFORE SUBMITTING BID.

9. FUTURE WORK:

A. THE DRAWINGS AND SPECIFICATIONS MAY INDICATE SOME WORK WHICH IS TO BE PROVIDED UNDER THIS SCOPE OF WORK BUT WHOSE TIMING MAY BE DIFFERENT THAN THE REST OF THE WORK.THIS WORK GENERALLY FACILITATES THE INSTALLATION OF "TENANT FINISH" WORK OR FOOD SERVICE WORK. IT IS WITHIN THIS DIVISION'S SCOPE OF WORK TO COORDINATE THIS WORK WITH THE WORK OF THE CONTRACTOR PROVIDING THE FUTURE SCOPE OF WORK.

10. "FIRE STOPPING"REQUIREMENT.ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS AND CONDUIT/SLEEVE OPENINGS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES, HOT GASSES AND SMOKE WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR ALL APPLICABLE CODES.
11. REFER TO ARCHITECTURAL DRAWINGS FOR MINIMUM CLEARANCE REQUIREMENTS TO DUCTWORK,CONDUIT, CABLE TRAY. LIGHTING, ETC.
12. ALL COMMUNICATIONS RACEWAY AND PATHWAYS INCLUDING BUT NOT LIMITED TO CONDUIT, SLEEVES, CABLE TRAY, J-HOOKS SHALL BE INSTALLED TO MINIMIZE UNNECESSARY CABLE LENGTHS AND MAINTAIN INDUSTRY STANDARD LENGTH LIMITATIONS FOR HORIZONTAL CABLE DISTRIBUTION (I.E. CAT.5E ANDCAT.6/CAT.6A).NO HORIZONTAL CABLE LENGTH (BASIC LINK) SHALL EXCEED 90 METERS (295 FEET).
13. CONDUIT SLEEVES SHALL BE INSTALLED THROUGH ALL WALLS WHERE CABLING IS ROUTED USING J-HOOKS TO PROVIDE CONTINUOUS UN-OBSTRUCTED PATHWAYS TO NEAREST COMMUNICATIONS ROOMS FROM STATIONS DEVICES.
14. REFER TO AV CONSTRUCTION DOCUMENTS FOR AV CONDUIT REQUIREMENT INCLUDING SIZES,QUANTITIES, AND LOCATIONS.
15. ALL COMMUNICATIONS CONDUIT, CABLE TRAYS, LADDER RACKS, AND EQUIPMENT RACKS SHALL BE BONDED TO BUILDING GROUND SYSTEM PER NEC 250.
16. ALL COMMUNICATION CONDUIT OR SLEEVES ROUTED THROUGH ELECTRICAL ROOMS SHALL BE PHYSICALLY CONTINUOUS AND BONDED TO GROUND SYSTEM.
17. ANY CABLE TRAY ROUTED THROUGH ELECTRICAL ROOMS OR WITHIN PROXIMITY OF INTERFERING ELECTRICAL SOURCES, SHALL BE ENCLOSED TYPE USING SOLID BOTTOM TROUGH WITH REMOVABLE COVERS. CABLE TRAY SHALL BE BONDED TO GROUND SYSTEM.
18. J-HOOKS SHALL BE ONLY USED IN ACCESSIBLE FINISHED CEILING SPACES NOT SERVED BY CABLE TRAY OR CONDUIT.
19. ALL TELE/DATA CONDUIT AND OTHER RACEWAY INFRASTRUCTURE SHALL HAVE NO LESS THAN 25% SPARE CAPACITY ABOVE THE NEC MINIMUM FILL RATIOS.
20. ALL COMMUNICATIONS CONDUIT LARGER THAN 2" SHALL HAVE A MINIMUM BEND RADIUS OF 10:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS. ALL COMMUNICATIONS CONDUIT 2" AND SMALLER SHALL HAVE A MINIMUM BEND RADIUS OF 6:1 OF THE INSIDE DIAMETER FOR ALL ELBOWS.
21. COMMUNICATIONS CONDUIT ROUTING SHALL NOT EXCEED 180° FOR THE SUM OF ELBOWS FOR A PARTICULAR CONDUIT RUN WITHOUT AN APPROVED PULL-BOX OR MANHOLE. THE MAXIMUM BEND FOR ANY LOCATION SHALL NOT EXCEED 90°.
22. PROVIDE PROTECTIVE BUSHINGS ON ALL COMMUNICATIONS CONDUITS INCLUDING RISER CONDUITS/SLEEVES, HORIZONTAL CONDUITS, DEVICE CONDUITS, AND SLEEVES.
23. ALL RISER CONDUIT SHALL BE STUBBED A MINIMUM OF 2" AFF. PROVIDE A 2" CURB IF SLAB BLOCK-OUT IS USED RATHER THAN SLEEVES. SERVICE PROVIDER AND UNDERGROUND CONDUIT SHALL BE STUBBED A MINIMUM OF 4" AFF.
24. ALL FIBER OPTIC CABLE SHALL BE ARMORED OR INSTALLED WITHIN APPROVED/UL-LISTED INNER-DUCT COMPLETE WITH FITTINGS, COUPLINGS, AND ADAPTERS (CARLON RISER-GARD, PLENUM-GARD, OR APPROVED EQUAL). FIBER OPTIC CABLE CAN UTILIZE METALLIC ARMORED SHEATH RATHER THAN USINGINNER-DUCT.
25. FINAL CABLE INSTALLATION, ALL UNDERGROUND COMMUNICATIONS CONDUIT SHALL BE SEALED TO PREVENT WATER, GAS AND RODENTS FROM ENTERING FACILITY.
26. ALL COMMUNICATIONS CABLE INSTALLED BELOW GRADE SHALL BE GEL FILLED PIC/PE-89 PER RUS/REA DESIGNATION.
27. ALL UNDERGROUND COMMUNICATIONS CONDUIT SHALL HAVE METALLIC LOCATOR TAPE.
28. ALL COMMUNICATIONS CABLE SHALL BE PLENUM RATED (CMP), RISER RATED (CMR) AND UNDERGROUND RATED (WATERBLOCK) ACCORDING TO USE AND ENVIRONMENTAL CONDITIONS.
29. ALL BACKBONE (RISER) COMMUNICATIONS CABLE SHALL BE INSTALLED BASED ON A PHYSICAL STAR TOPOLOGY. REFER TO ONE-LINES DIAGRAMS FOR SPECIFIC ROUTING REQUIREMENTS.
30. ANY COMMUNICATIONS CABLES (FIBER AND COPPER) INSTALLED BELOW GRADE, UNDERGROUND,OR OTHER LOCATIONS SUBJECT TO WET CONDITIONS SHALL UTILIZE WATERBLOCK CONSTRUCTION.
31. CONTRACTOR SHALL NOT PAINT CABLES AND/OR SPRAY CABLES WITH FIRE PROOFING MATERIAL AS IT CAN AFFECT CABLE PERFORMANCE AND WILL VOID THE CABLE WARRANTY.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.05.21	BP4D - GONDOLA SQUARE INTERIOR BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
TECHNOLOGY GENERAL NOTES & ABBREVIATIONS

Scale
NO SCALE

T0.001

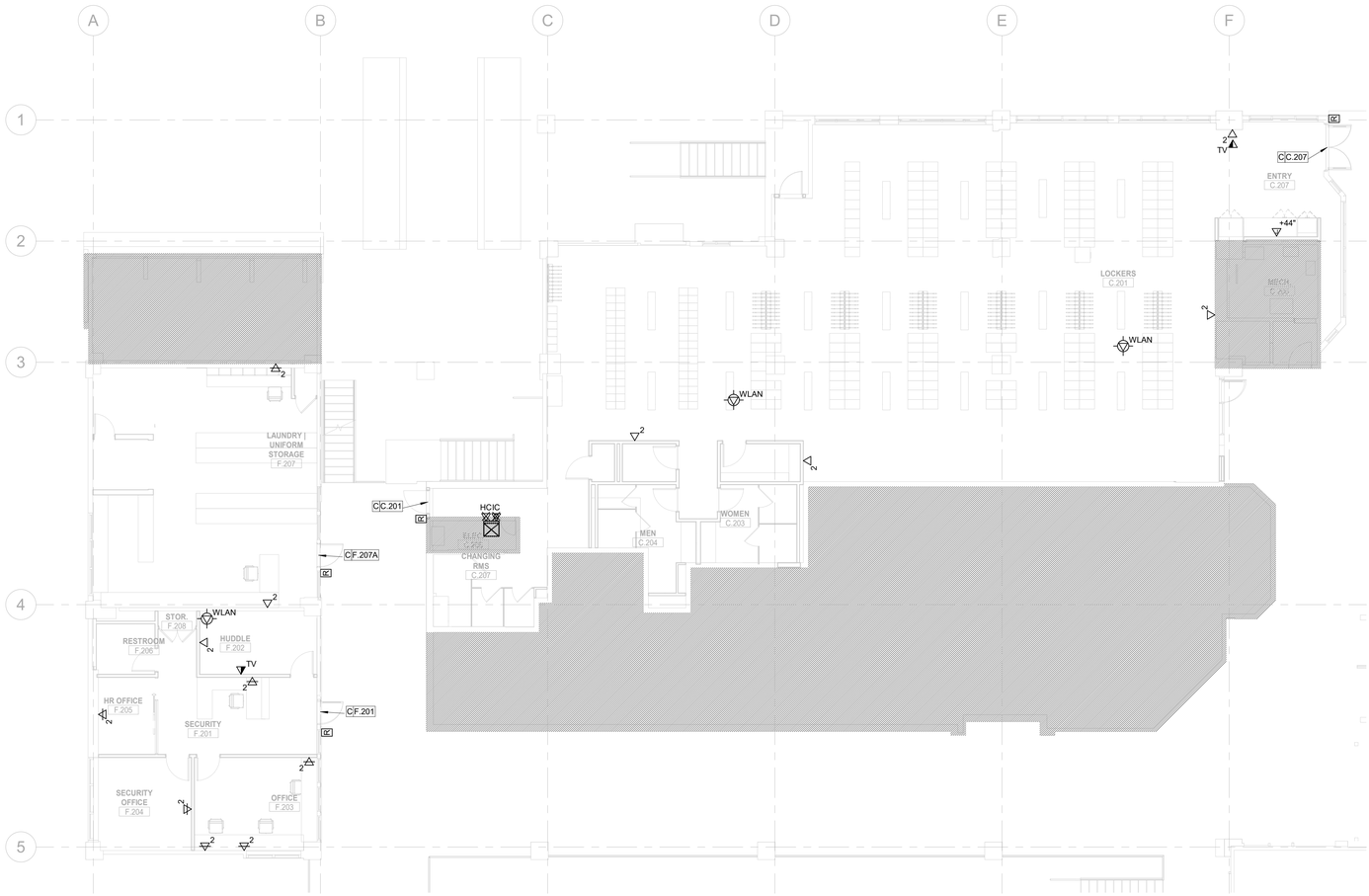
GENERAL NOTES:

1. REFER TO SYMBOL LEGEND FOR ADDITIONAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, INSTALLATION OF RACEWAY, CABLING, AND DEVICES.

2. REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTAINING TO DATA CENTER EQUIPMENT (PRODUCTS AND INSTALLATION) DESCRIBED IN KEYNOTES BELOW, SPECIFICALLY DIVSION 27.

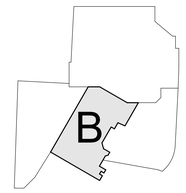
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL WALL SPACE REQUIREMENTS WITH OTHER LOW VOLTAGE TRADES (SECURITY, AV, FIRE ALARM, ETC.) DURING SHOP DRAWING COORDINATION PROCESS TO CONFIRM FINAL PLACEMENT OF ALL TERMINATIONS AND EQUIPMENT WITHIN DATA CENTER.

KEYNOTES



1 TECHNOLOGY PLAN - C & F BUILDING LEVEL 02
SCALE: 1/8" = 1'-0"

KEY PLAN



Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
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United States
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12499 West Colfax Ave.
Lakewood, CO 80215
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RCRBD
Record Set
TC
06/29/2021

Seal / Signature

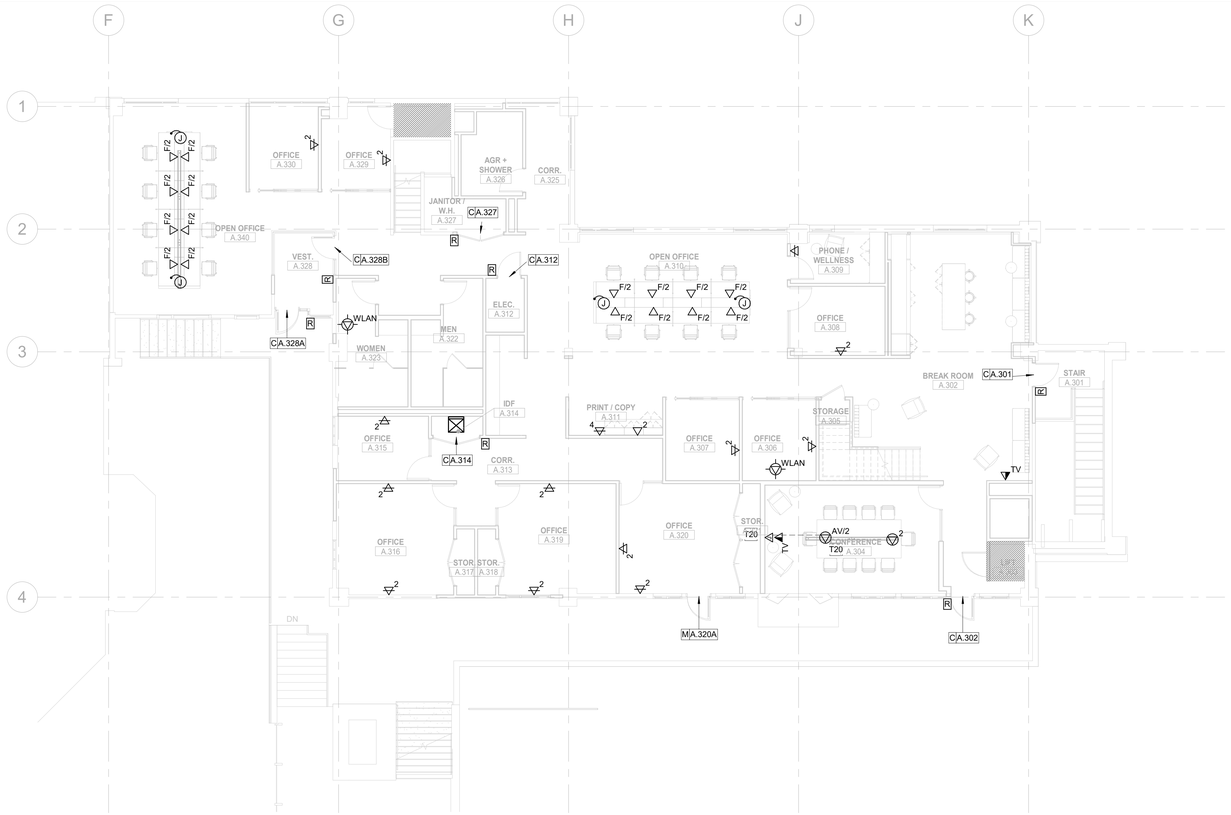
Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
TECHNOLOGY PLAN - C & F BUILDING LEVEL 02

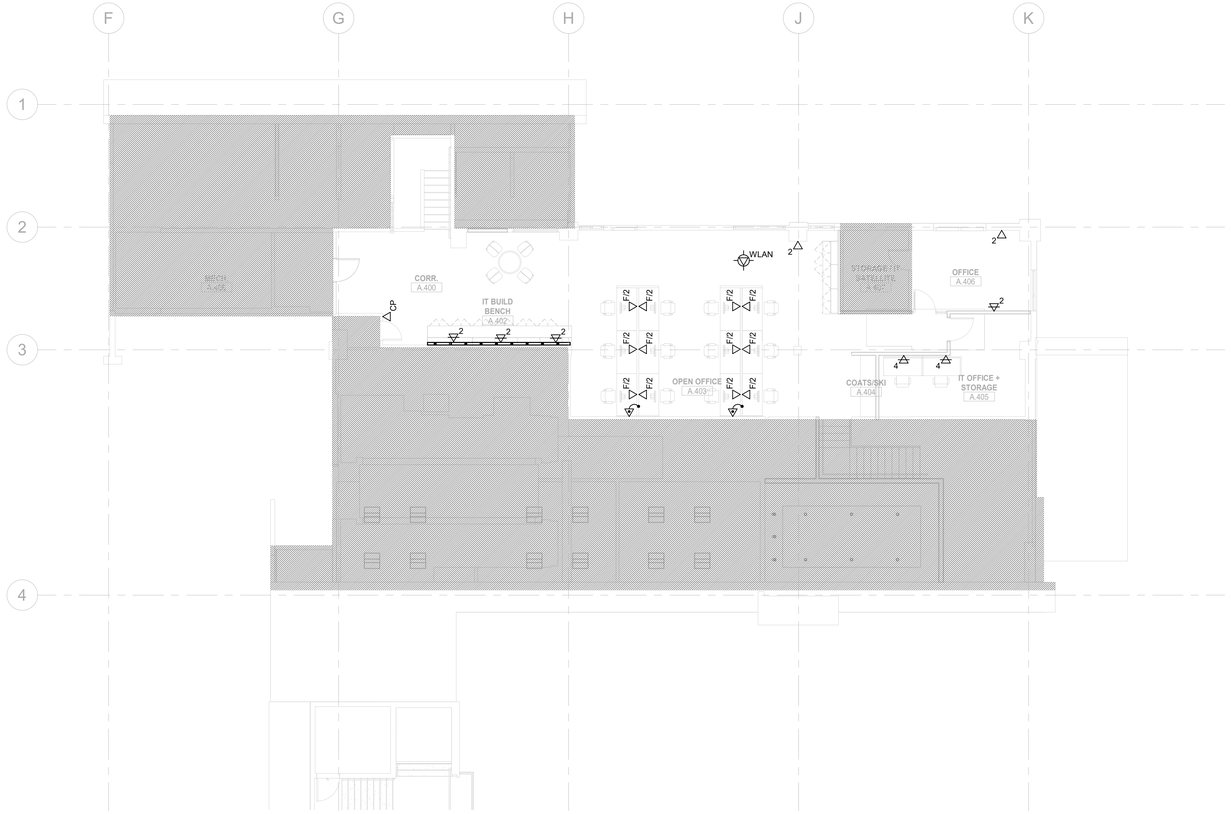
Scale
1/8" = 1'-0"

T1.202



1 TECHNOLOGY PLAN - A BUILDING LEVEL 03

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



2 TECHNOLOGY PLAN - A BUILDING LEVEL 04

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

GENERAL NOTES:

1. REFER TO SYMBOL LEGEND FOR ADDITIONAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, INSTALLATION OF RACEWAY, CABLING, AND DEVICES.

2. REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTAINING TO DATA CENTER EQUIPMENT (PRODUCTS AND INSTALLATION) DESCRIBED IN KEYNOTES BELOW, SPECIFICALLY DIVSION 27.

3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL WALL SPACE REQUIREMENTS WITH OTHER LOW VOLTAGE TRADES (SECURITY, AV, FIRE ALARM, ETC.) DURING SHOP DRAWING COORDINATION PROCESS TO CONFIRM FINAL PLACEMENT OF ALL TERMINATIONS AND EQUIPMENT WITHIN DATA CENTER.

KEYNOTES	
T20	INTERCONNECTING RACEWAY BETWEEN BACKBOXES.

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

Martin/Martin Consulting Engineers
12499 West Colfax Ave.
Lakewood, CO 80215
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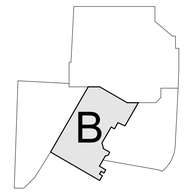
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIOR BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
REcord Set
TC
06/29/2021

KEY PLAN



Seal / Signature

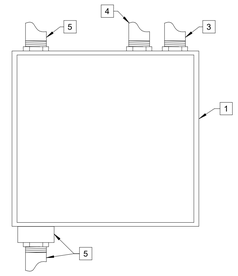
Project Name
Steamboat Base Village Redevelopment

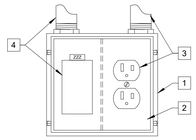
Project Number
003.7835.000

Description
TECHNOLOGY PLAN - A BUILDING LEVEL 03 & 04

Scale
1/8" = 1'-0"

T1.203





GENERAL NOTES:

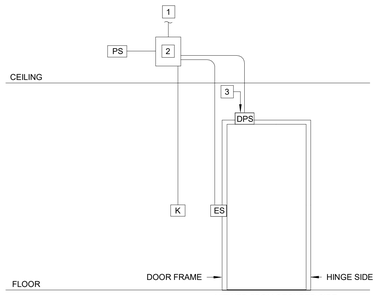
1. REFER TO AV DOCUMENTS FOR ADDITIONAL REQUIREMENTS RELATIVE TO TV / VIDEO MONITOR INFRASTRUCTURE.
2. REFER TO ARCHITECTURAL AND/OR AV DOCUMENTS FOR MOUNTING HEIGHTS AND/OR SPECIAL CONDITIONS.

KEYNOTES: #

1. BACK-BOX: PROVIDE CUSTOM FLAT PANEL BACK-BOX AT ALL LOCATIONS AS INDICATED IN AV DOCUMENTS. PROVIDE STANDARD 4"X4"X2-1/8" BACK-BOX WITH DIVIDER FOR ALL OTHER TV / VIDEO MONITOR LOCATIONS.
2. FACE PLATE: PROVIDE 2-GANG FACE PLATE WITH RECTANGULAR (STYLE-LINE) OPENING FOR LOW VOLTAGE TERMINATIONS.
3. POWER RACEWAY: PROVIDE 3/4-INCH CONDUIT TO POWER COMPARTMENT.
4. DATA/COAX RACEWAY: PROVIDE 1-INCH CONDUIT TO DATA/COAX COMPARTMENT. REFER TO COMMUNICATION LEGEND - PATHWAY REQUIREMENT NOTES TO CONFIRM IF CONDUIT STUBS TO CEILING AND USE OF J-HOOKS IS ALLOWED OR IF CONTINUOUS CONDUIT IS REQUIRED FOR ALL LOCATIONS
5. AV RACEWAY: REFER TO AV DRAWINGS FOR ADDITIONAL REQUIREMENTS ON CUSTOM BACK-BOX AND CONDUIT TO AV COMPARTMENT(S). REFER TO AUDIOVISUAL LEGEND - PATHWAY REQUIREMENT NOTES TO CONFIRM IF CONDUIT STUBS TO CEILING AND USE OF J-HOOKS IS ALLOWED OR IF CONTINUOUS CONDUIT IS REQUIRED FOR ALL LOCATIONS

R.02 TV POWER / LOW VOLTAGE DEVICE

SYMBOLS: V V



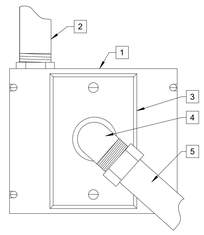
S.01 / S - SINGLE LEAF DOOR

KEYNOTES: #

1. PATHWAY TO SECURITY PANEL LOCATIONS: PROVIDE (1) 1-1/4" CONDUIT REFER TO SECURITY SYSTEM SYMBOL - PATHWAY REQUIREMENT NOTES ON LEGEND SHEET FOR CONDUIT CONTINUATION REQUIREMENTS.
2. CONSOLIDATION BOX: LOCATE 8"x8"x4" BOX ON SECURE SIDE OF DOOR. LOCATE WITHIN ACCESSIBLE CEILING SPACE (OR AREA OF ACCESS) AS CLOSE TO DOORWAY AS POSSIBLE, NOT TO EXCEED 50 FEET OF DOOR LOCATION.
3. PATHWAY TO DOOR HARDWARE: PROVIDE 3/4" CONDUIT ROUTED FROM CONSOLIDATION BOX TO HARDWARE MOUNTED IN OR AROUND DOOR FRAME. COORDINATE CONDUIT TERMINATION REQUIREMENTS WITH DOOR HARDWARE PROVIDER AND DEVICE MANUFACTURER. ROUTE CONDUIT WITHIN DOOR FRAME WHERE REQUIRED.

S.03 SECURITY ACCESS CONTROL SYSTEM DETAILS

SYMBOLS:



GENERAL NOTES:

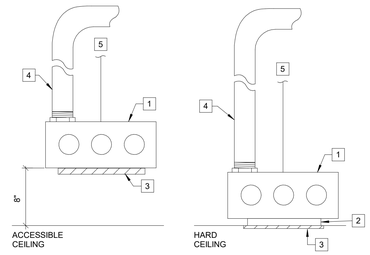
1. REFER TO SYSTEM SYMBOL LEGEND - PATHWAY REQUIREMENT NOTES TO CONFIRM IF CONDUIT STUBS TO CEILING AND USE OF J-HOOKS IS ALLOWED OR IF CONTINUOUS CONDUIT IS REQUIRED FOR ALL LOCATIONS. PARTICULAR ATTENTION SHALL BE GIVEN TO CONDUIT ROUTING NOTES AS EACH SYSTEM (AV, COMM, SECURITY, ETC.) HAS SPECIFIC CONDUIT ROUTING REQUIREMENTS.

KEYNOTES: #

1. BACK-BOX: PROVIDE 4-11/16" X 4-11/16 "X 3-1/4" (HUBBEL 260) FLUSH MOUNTED BOX WITH SINGLE GANG COVER PLATE.
2. CONDUIT: PROVIDE (1) 1-1/2" CONDUIT FOR LOW VOLTAGE CABLE.
3. FACE PLATE: STAINLESS STEEL COVER PLATE WITH CENTER MOUNTED GROMMET OPENING.
4. CONDUIT FITTING: PROVIDE (1) 90-DEGREE CONDUIT FITTING FOR FURNITURE CONNECTOR.
5. FLEXIBLE DUCT FEED: PROVIDE (1) 1-1/2" POLYTUFF FLEXIBLE CONDUIT EXTENDED TO MODULAR FURNITURE.

R.04 WALL MOUNTED FURNITURE FEED DEVICE

SYMBOLS:



ABOVE CEILING MOUNTED | FLUSH CEILING MOUNTED | WALL MOUNTED

GENERAL NOTES:

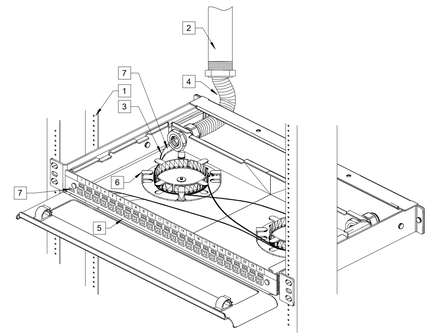
1. REFER TO SYSTEM SYMBOL LEGEND - PATHWAY REQUIREMENT NOTES TO CONFIRM IF CONDUIT STUBS TO CEILING AND USE OF J-HOOKS IS ALLOWED OR IF CONTINUOUS CONDUIT IS REQUIRED FOR ALL LOCATIONS. PARTICULAR ATTENTION SHALL BE GIVEN TO CONDUIT ROUTING NOTES AS EACH SYSTEM (AV, COMM, SECURITY, ETC.) HAS SPECIFIC CONDUIT ROUTING REQUIREMENTS.

KEYNOTES: #

1. BACK-BOX: PROVIDE 4"X4"X2-1/8" FLUSH MOUNTED BOX.
2. MUD-RING: PROVIDE 1-GANG MUD RING FOR MOUNTING OF DEVICE / FACEPLATE. MUD RING SHALL BE SEPARATE COMPONENT FROM BACK-BOX.
3. FACE PLATE: REQUIREMENTS VARY, REFER TO SPECIFIC DEVICE DETAILS FOR ADDITIONAL INFORMATION.
4. CONDUIT: PROVIDE CONDUIT SIZED AS FOLLOWS:
   (1) 1-INCH CONDUIT FOR (1-4) CABLES/PORTS
   (1) 1-1/4-INCH CONDUIT FOR (5-8) CABLES/PORT
5. SUPPORT: PROVIDE THREADED ROD ATTACHED TO STRUCTURE ABOVE.

R.01 COMM RACEWAY DEVICES

SYMBOLS: X X



GENERAL NOTES:

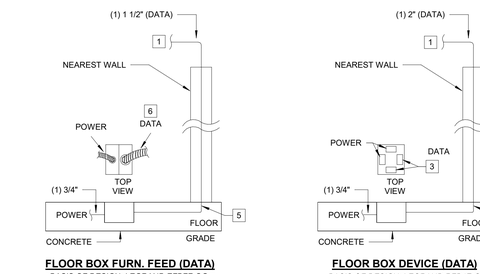
1. REFER TO DEVICE SYMBOL AND LEGEND DESCRIPTION FOR ADDITIONAL INFORMATION.

KEYNOTES: #

1. EQUIPMENT RACK: SHOWN FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS FOR REQUIREMENTS.
2. CONDUIT: PROVIDE CONDUIT FROM RACK LOCATION TO NEAREST CABLE TRAY OR COMM ROOM. REFER TO PLAN DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. FIBER OPTIC CABLE: PROVIDE MMFO / SMFO STRANDS WHERE "MM" = MMFO STRAND COUNT AND "SM" = SMFO STRAND COUNT. (EX: 12/24 = 12-MMFO + 24-SMFO). ALL FIBER OPTIC CABLE SHALL ORIGINATE FROM FIBER OPTIC MAIN CROSS-CONNECT.
4. CABLE PROTECTION: PROVIDE (1) 1" PLENUM RATED/UL-LISTED FIBER OPTIC INNER-DUCT (OR ARMORED FIBER OPTIC CABLE).
5. FIBER OPTIC TERMINATIONS: PROVIDE LC-TYPE TERMINALS MOUNTED IN (1) 24-PORT MODULAR PATCH PANEL WITH FIBER CABLE ORGANIZER.
6. FIBER OPTIC CABLE SPOOL: PROVIDE FIBER OPTIC CABLE SPOOL(S).
7. LABELS: PROVIDE WHITE LABELS WITH BLACK TEXT TO NOTE STATION ID (YYY), TERMINATION ID (ZZZ) AND CABLE ID (XXX). REFER TO TYPICAL DEVICE LABELING DETAIL FOR ADDITIONAL REQUIREMENTS.

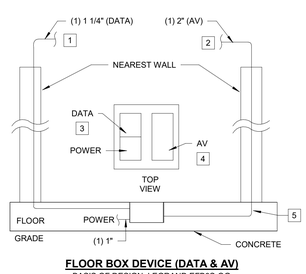
C.11 FIBER OPTIC RACK MOUNT PATCH PANEL

SYMBOLS: #/#



FLOOR BOX FURN. FEED (DATA)
BASIS OF DESIGN: LEGRAND EFBFF-OG
SYMBOLS: *

FLOOR BOX DEVICE (DATA)
BASIS OF DESIGN: LEGRAND RFB4E-OG
SYMBOLS: #



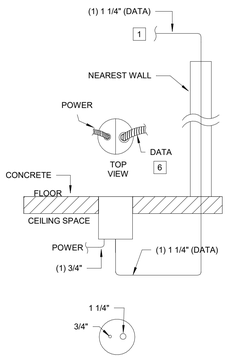
FLOOR BOX DEVICE (DATA & AV)
BASIS OF DESIGN: LEGRAND EFB8S-OG
SYMBOLS: AV/#

GENERAL NOTES

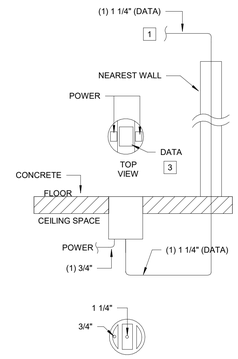
1. FLOOR BOX DETAILS ARE SCHEMATIC IN NATURE AND DEPICT COMMON PATHWAY REQUIREMENTS. INSTALLATION REQUIREMENTS MAY VARY BASED ON FIELD CONDITION SUCH AS WALL TYPE.
2. FLOOR BOX DEVICES SHALL BE INSTALLED WITHIN FLOORS THAT RESIDE ON GRADE. ENCASE ENTIRE FLOOR BOX AND CONDUIT WITHIN CONTRETE SLAB. IN CASES WHERE THE FLOOR SLAB THICKNESS DOES NOT SUPPORT SPECIFIED FLOOR BOX DEPTH, PROVIDE ADDITIONAL TRENCHING AS REQUIRED TO ENCASE FLOOR BOX AND CONDUIT. COORDINATE ALL FINAL LOCATION WITH ARCHITECTURAL AND DIVISION 03 PRIOR TO INSTALL.
3. POKE THRU DEVICES SHALL BE INSTALLED WITHIN FLOORS CAPABLE OF PROVIDING A CORE OPENING ACCORDING TO MANUFACTURER'S REQUIREMENTS. FLOOR SHALL NOT BE AT GRADE LEVEL AND SHALL HAVE AN ACCESSIBLE LEVEL BELOW. PROVIDE FIRE RATING APPROPRIATE TO FLOOR FIRE RATING, REFER TO DIVISION 7.
4. BASIS OF DESIGN (BOD) PRODUCT INFORMATION IS BASED ON A COORDINATED SOLUTION FOR ALL SYSTEMS. ANY PRODUCT SUBSTITUTIONS SHALL BE APPROVED BY LOW VOLTAGE ENGINEER PRIOR TO INSTALLATION TO ENSURE DESIGN INTENT IS MET.
5. REFER OT ELECTRICAL DOCUMENTS FOR ALL POWER REFERENCES.

KEYNOTES #

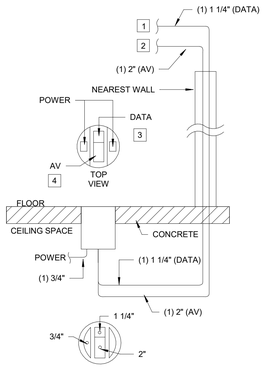
1. REFER TO COMMUNICATION LEGEND - PATHWAY REQUIREMENT NOTES FOR CONDUIT CONTINUATION REQUIREMENTS.
2. REFER TO AUDIOVISUAL LEGEND - PATHWAY REQUIREMENT NOTES FOR CONDUIT CONTINUATION REQUIREMENTS.
3. DATA OUTLETS: REFER TO DETAIL C.05 FOR DATA TERMINATION REQUIREMENTS. PROVIDE STYLE-LINE (DECORA) FRAME AT EACH DATA COMPARTMENT.
4. AV OUTLETS: PROVIDE APPROPRIATE ACCESSORIES FOR AV OUTLET TYPE AND QUANTITY AS REQUIRED PER AV DOCUMENTS. IN CASE WHERE HD-BASE-T TRANSMITTER IS LOCATED WITHIN DEVICE, UTILIZE STAND OFFS TO PROVIDE INSTALL SPACE AND HEAT DISSIPATION AS NECESSARY.
5. CONDUIT BENDS: IF FLOOR DEPTH IS NOT SUFFICIENT TO ACCOMIDATE CONDUIT BEND RADIUS, A HORIZONTAL 90 DEGREE BEND CAN BE UTILIZED TO PUT CONDUIT IN LINE WITH WALL SECTION IN ORDER TO BEND CONDUIT VERTICALLY INTO WALL. TOTAL CONDUIT BENDS SHALL NOT EXCEED (3) 90 DEGREE BENDS BEFORE PULL BOX IS UTILIZED.
6. FLEXIBLE WHIP: PROVIDE 1 1/4-INCH FLEXIBLE CONDUIT WHIP EXTENDED FROM COVER PLATE TO MODULAR FURNITURE.



POKE THRU FURN. FEED DEVICE (DATA)
BASIS OF DESIGN: LEGRAND 4FFATC
SYMBOLS: *



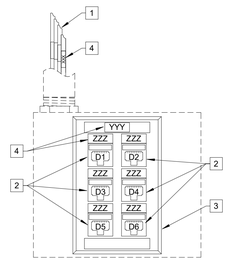
POKE THRU DEVICE (DATA)
BASIS OF DESIGN: LEGRAND 6AT
SYMBOLS: #



POKE THRU DEVICE (DATA & AV)
BASIS OF DESIGN: LEGRAND 8AT
SYMBOLS: AV/#

R.03 FLOOR DEVICE DETAILS

SYMBOLS: | SYMBOLS SHOWN ABOVE



GENERAL NOTES:

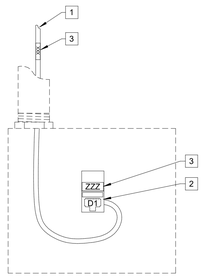
1. REFER TO DETAIL R.01 FOR RACEWAY REQUIREMENTS INCLUDING BACK-BOX AND CONDUIT.
2. PROVIDE MODULAR DUST COVER(S) ON ALL UNUSED FACEPLATE PORTS AS REQUIRED.

KEYNOTES: #

1. DATA CABLE: PROVIDE 4-PAIR UTP CABLE(S) ORIGINATING FROM THE NEAREST HORIZONTAL CROSS-CONNECT (HC). REFER TO DEVICE SYMBOL AND LEGEND DESCRIPTION FOR CABLE QUANTITIES.
2. DATA TERMINATIONS: PROVIDE RJ45 TYPE MODULAR JACK INTERCONNECTED TO EACH UTP CABLE. PROVIDE COLORED PORTS ACCORDING TO THE COLOR SCHEDULE ON THE LEGEND SHEET.
3. FACE PLATE: PROVIDE MODULAR FACEPLATE WITH PORTS AS REQUIRED PER CABLE COUNTS.
4. LABELS: PROVIDE WHITE LABELS WITH BLACK TEXT TO NOTE STATION ID (YYY), TERMINATION ID (ZZZ) AND CABLE ID (XXX). REFER TO TYPICAL DEVICE LABELING DETAIL FOR ADDITIONAL REQUIREMENTS.

C.02 VOICE/DATA DEVICE (5 OR 6 PORTS)

SYMBOLS: # # ATM/# POS/# P AV



GENERAL NOTES:

1. INTENT OF THIS DETAIL IS TO DEPICT STRUCTURED CABLING REQUIREMENTS. REFER TO OTHER SYSTEMS DRAWINGS (AV, SECURITY, ETC.) FOR BACK-BOX REQUIREMENTS SPECIFIC TO EACH DEVICE TYPE. SELECT DEVICES MAY REQUIRE SPECIALIZED BACK-BOX TYPES, SIZES AND MOUNTING CONDITIONS.
2. CONTRACTOR TO PROVIDE DATA OUTLET(S) MOUNTED IN PLENUM RATED BISCUIT IN LIEU OF BACK-BOX FOR DEVICES LOCATED ABOVE ACCESSIBLE CEILINGS.

KEYNOTES: #

1. DATA CABLE: PROVIDE 4-PAIR UTP CABLE(S) ORIGINATING FROM THE NEAREST HORIZONTAL CROSS-CONNECT (HC). REFER TO DEVICE SYMBOL AND LEGEND DESCRIPTION FOR CABLE QUANTITIES.
2. DATA TERMINATIONS: PROVIDE RJ45 TYPE MODULAR JACK INTERCONNECTED TO EACH UTP CABLE. CABLE AND JACK SHALL REMAIN LOOSE INSIDE BACK-BOX.
3. LABELS: PROVIDE WHITE LABELS WITH BLACK TEXT TO NOTE STATION ID (YYY), TERMINATION ID (ZZZ) AND CABLE ID (XXX) ACTUAL LABELING SCHEME SHALL BE COORDINATED WITH THE OWNER AND ENGINEER. REFER TO COMMUNICATION AND CABLE DETAILS.

C.03 MISCELLANEOUS DATA DEVICE

SYMBOLS: CAM CAM CP C TR

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners

2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler

1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
---	2021.05.21	BP4D - GONDOLA SQUARE INTERIOR BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION

RCRBD
Record Set
TC
06/29/2021

Seal / Signature

Project Name
Steamboat Base Village Redevelopment

Project Number
003.7835.000

Description
TECHNOLOGY DETAILS

Scale
1/8" = 1'-0"

T8.000