

UNIVERSITY OF COLORADO ANSCHUTZ

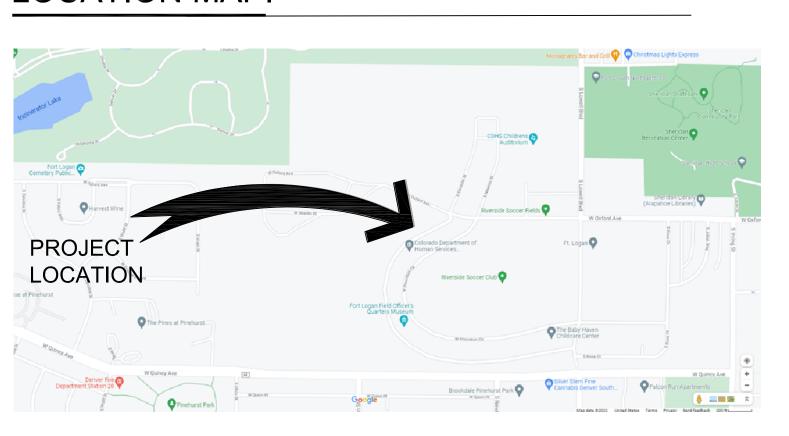
ARTS FT. LOGAN RENO BUILDING 16

3844 & 3854 W. PRINCETON CIR DENVER, CO 80202 STATE PROJECT NO: 22-106819

ARTS FT. LOGAN RENO BUILDING 16

100% CD FOR CONSTRUCTION APRIL 12, 2022

LOCATION MAP:



CONTACTS:

OWNER: CU AN
1635 A

CU ANSCHUTZ 1635 AURORA CT AURORA, COLORADO 80045 CONTACT: ANDY MADSEN PH: 303.921.0415 andy.madsen@cuanschutz.edu

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MEP
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LAKEWOOD, COLORADO 8040
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DRAWING INDEX:

G-001 COVER SHEET, CONTACTS, DRAWING INDEX
G-002 GENERAL NOTES, SYMBOLS, ABBREVIATIONS, & CODE
CODE INFO

A-101 FIRST FLOOR DEMO PLAN, PLAN, FINISH PLAN, & RCP

A-401 INTERIOR ELEVATIONS, DOOR SCHEDULES, & DETAILS

M-000 MECHANICAL COVER SHEET
MD-101 MECHANICAL DEMOLITION PLAN
M-001 MECHANICAL SHEDULES
M-101 MECHANICAL AND PLUMBING SHEET

M-201 MECHANICAL DIAGRAMS
M-202 MECHANICAL DIAGRAMS

M-203 MECHANICAL DIAGRAMS
M-204 MECHANICAL DIAGRAMS

E-000 ELECTRICAL COVER SHEET
ED-101 ELECTRICAL DEMOLITION PLAN

E-001 ELECTRICAL COMCHECK
E-101 POWER AND LIGHTING PLAN

E-101 POWER AND LIGHTING PLA
E-201 ELECTRICAL SCHEDULES

Digitally signed
by Joseph S
Marshall
Contact Info:
303.788.1717
Date:
2022.04.28
08:39:38-06'00'



ATE DESCRIPTION

2-15-22 95% CONSTRUCTION DOCUMENTS
4-12-22 100% CD FOR CONSTRUCTION

DRAWN BY: KS CHECKED BY: JM
PROJECT: 2134FL INITIAL DATE: DEC 21

COVER SHEET, CONTACTS, DRAWING INDEX

G-001

NUMBER

SYMBOLS:

וטטוו	LVI/TIONS.			OTMBOLS:	
A.F.F. A.C.T. A.C.	ABOVE FINISH FLOOR ACOUSTIC CEILING TILES AIR CONDITIONING	RAD RECP REF	RADIUS RECEPTACLE REFERENCE	NO WORK THIS AREA	
ADJ. AHEC AL ALT	ADJUSTABLE AURARIA HIGHER EDUCATION CENTER ALUMINUM ALTERNATE	REINF REQD RESIL RM	REINFORCE/REINFORCING REQUIRED RESILIENT ROOM	MEANS OF EGRESS EXIT DISCHARGE	
@ B.M.	AT BENCH MARK	SAN SCH SECT.	SANITARY SCHEDULE SECTION	ROOF PITCH	XX
BLK BD BLDG B.B.	BLOCK BOARD BUILDING BULLETIN BOARD	SHT SIM S.D	SHEET SIMILAR SMOKE DETECTOR	ELEVATION TAG	FINISH FLOOR EL: 100'-0"
CCI	COLORADO CONSTRUCTIONAL INDUSTRIES (FURNITURE MANUF)	SPR. SF S.S.	SPRINKLER SQUARE FOOT STAINLESS STEEL	WINDOW TAG	(XX)
CPT CLK C.B. CITY	CARPET CAULKING CHALK BOARD CITY OF DENVER	STD STL STO	STANDARD STEEL STORAGE	DOOR TAG	XX
CLG CTR C.T.	CEILING CENTER CERAMIC TILE	STR SUSP SYM	STRUCTURAL SUSPENDED SYMMETRIC	KEYNOTE TAG	\bigotimes
CLR COL CONC	CLEAR COLUMN CONCRETE	T.B. TEL	TACK BOARD TELEPHONE	TOILET ACCESSORIES AND\OR EQUIPMENT TAG	XX
CONST CJ CONT CONTR CORR.	CONSTRUCTION CONTROL JOINT CONTINUOUS/CONTINUE CONTRACTOR CORRIDOR	T.T.D. T.O.C. T.O.D. T.O.M. T.O.S.	TOILET TISSUE DISPENSER TOP OF CONCRETE TOP OF DECK TOP OF MASONRY TOP OF STEEL	KEY NOTE LEADER	X
C.U.H. DET/DTL	CABINET UNIT HEATER DETAIL	TYP T.D.R.	TYPICAL TOWEL DISPENSER & RECEPTACLE	INTERIOR ELEVATION SHEET NUMBER	$x \stackrel{\times \times . \times}{\downarrow} x$
DIA DIM DN D.S. DWG D.F.	DIAMETER DIMENSION DOWN DOWN SPOUT DRAWING DRINKING FOUNTAIN	UCDHSC UC UNFIN	UNIVERSITY OF COLORADO AT DENVER HEALTH SCIENCE CENTER UNDER COUNTER UNFINISHED	ROOM NAME AND NUMBER	NAME NAME XXX
ELEC	ELECTRICAL	V.I.F. VERT	VERIFY IN FIELD VERTICAL	FLOOR TRANSITION TAG	-
E.W.C. ELEV EQ EQUIP	ELECTRIC WATER COOLER ELEVATION EQUAL EQUIPMENT	V.C.T. W.C.	VINYL COMPOSITION TILE WATER CLOSET	SPOT ELEVATION	EL: 100'-9"
EXH. EXIST E.J.	EXHAUST EXISTING EXPANSION JOINT	W/ W/O WD	WITH WITH OUT WOOD	WALL TYPE NUMBER	⋘ —
EXT FT FIN F.F.	EXTERIOR FEET FINISH FINISH FLOOR			ADDENDUM DELTA	
F.A.P. F.E. F.E.C. FL F.D.	FIRE ALARM PANEL FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLOOR/FLOOR LINE FLOOR DRAIN			DETAIL SECTION	XX.X
GALV. GA GEN G.C. G.B. GR GYP. BD.	GALVANIZED GAUGE GENERAL GENERAL CONTRACTOR GRAB BAR GRADE GYPSUM BOARD			WALL & BUILDING SECTIONS	1 XX.X
HWD HT H.M.	HARD WOOD HEIGHT HOLLOW METAL			DETAIL BUBBLE	
INSUL INT.	INSULATION INTERIOR			REVISION CLOUD 1. CREATE POLYLINE	<u></u>
JAN JT KIT	JANITOR JOINT KITCHEN			2. REVCLOUD 3. A (ARC) (.1 / .2 ARC) 4. O (OBJECT) SELECT	{}
LAB	LABORATORY			DRAWING TITLE AND NUMBER	
LAM LGTH LF L.S.D.	LAMINATE LENGTH LINEAL FOOT LIQUID SOAP DISPENSER			8 MAIN LEVEL 1/8" = 1'-0"	PLAN ref:
MFR MATL MAX MECH MTL/MET MICR	MANUFACTURER MATERIAL MAXIMUM MECHANICAL METAL MICROWAVE			NORTH ARROW PLAN NORTH TRUE NORTH	
MIN MISC	MINIMUM MISCELLANEOUS			ONLY TO BE USED WHEN DIFFERENT THAN PLAN NORTH	
NONCOM N.I.C. N.T.S. NO.	NON-COMBUSTIBLE NOT IN CONTRACT NOT TO SCALE NUMBER			SPECIALTY EQUIP. SEE S A-401	SHEET

WORK UNDER A SEPERATE CONTRACT:

 FIRE SUPPRESSION SYSTEMS:
 CONTRACTOR SHALL BE RESPONSIBLE TO CONTRACT WITH AND COORDINATE THE REQUIRED WORK FOR FIRE ALARM SYSTEMS.

PROJECT NOTES:

- 1. CONTRACTOR AND SUB-CONTRACTORS ARE RESPONSIBLE TO READ AND UNDERSTAND ALL OF THE DRAWINGS AND THE PROJECT SPECIFICATION
- 2. GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE TO COORDINATE WITH THE CU ANSCHUTZ PROJECT MANAGER'S FOR HOURS OF OPERATION, ALLOWABLE CONSTRUCTION TIMES AND CONSTRUCTION ACTIVITIES. THE G.C. SHALL ASSUME ALL RESPONSIBILITY FOR ALL SUB-CONTRACTORS. THE G.C. SHALL BE RESPONSIBLE TO OBTAIN SECURITY KEY CARDS FOR ACCESS TO THE BUILDING AND TO THE FLOOR.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DUMPSTER. THE G.C. SHALL COORDINATE WITH CU ANSCHUTZ PROJECT MANAGER FOR LOCATION AND ALLOWABLE SIZE.
- 4. ALL DELIVERIES MUST BE COORDINATED WITH CU ANSCHUTZ PROJECT MANAGER FOR TIME AND LOCATION OF DELIVERIES.

ADD ALTERNATE LIST:

1. ADD ALTERNATE #1 UNIT HEATER, RE: MEP

CODE INFORMATION:

THE REMODEL TO THE EXISTING KITCHEN AND ENCLOSED PORCH. WORK INCLUDES THE ADDITION OF A COOKING RANGE AND EXHAUST HOOD AND OTHER APPLIANCES, AIR CONDITIONING UNIT, NEW CASEWORK, INSULATING AND FULLY ENCLOSING PORCH, AND NEW

(NO CHANGE FROM EXISTING)

I-1 (CONDITION 1) (NO CHANGE FROM EXISTING)

TYPE V-B

2018 IBC 2018 IEBC 2018 IMC 2018 IECC 2020 NEC

2018 IPC 2018 IFC

2017 ICC/ANSI A177.1

NO CHANGE FROM EXISTING

KITCHEN & PORCH = 460 NET S.F.

FT. LOGAN — BUILDING 16 3844 & 3854 W. PRINCETON CIR

DENVER, COLORADO 80202

BASEMENT FLOOR TOTAL AREA = 3,146 G.S.F. FIRST FLOOR TOTAL AREA = 3,390 G.S.F.

2ND FLOOR TOTAL AREA = 3,146 G.S.F.

TOTAL AREA = 9,682 G.S.F.

(AS PER IBC CH 9)

(NO CHANGE FROM EXISTING)

PROJECT DESCRIPTION:

KITCHEN SINK AND DISHWASHER.

BUILDING CONSTRUCTION:

OCCUPANCY GROUP:

CONSTRUCTION AREA:

TOTAL FLOOR AREA:

OCCUPANT LOAD:

SPRINKLER SYSTEM:

BUILDING ADDRESS:

BUILDING HEIGHT (# OF STORIES): 2 STORIES

CODE:

2. ADD ALTERNATE #2 SPLIT SYSTEM FAN COIL UNIT, RE: MEP

GENERAL CONTRACTOR NOTES:

INSPECTIONS ARE BY THE STATE.

PERMITS:

THE GENERAL PERMIT / BUILDING CARD TO BE ISSUED BY THE STATE OF COLORADO. MEP PERMITS ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ARE ISSUED THROUGH THE STATE. GC IS RESPONSIBLE FOR THE PERMIT AND ALL FEES. ALL MEP

FIRE PERMIT AND INSPECTIONS ARE THROUGH DENVER FIRE. THE GC IS RESPONSIBLE FOR SUBMITTING ALL REQUIRED DRAWINGS FOR PERMIT AND PAYING FOR PERMIT FEES. ALL FIRE INSPECTIONS ARE BY DENVER FIRE.

SITE EXAMINATION: 2. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VISIT AND EXAMINE THE SITE AND BUILDING IN EVERY DETAIL AS IT PERTAINS TO THE PROJECT PRIOR TO SUBMITTING A BID PROPOSAL.

DISCREPANCIES: ANY DISCREPANCIES DISCOVERED BY THE GENERAL CONTRACTOR OR BY THE

SUBCONTRACTORS, BETWEEN DIMENSIONS, OR CONFLICTS UNFORESEEN PREVIOUSLY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.

4. BUILDING CODE COMPLIANCE: PERFORM ALL WORK TO COMPLY WITH APPLICABLE BUILDING CODES AND REGULATIONS. FOR BUILDING CONDITIONS THAT ARE NOT CONSTRUCTED TO MEET CURRANT BUILDING CODES, THE GENERAL CONTRACTOR IS TO PROVIDE ALTERNATE PRICING TO BRING ITEMS INTO CODE COMPLIANCE.

5. LONG LEAD ITEMS:

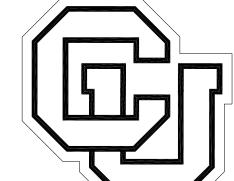
THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH THE PROJECT SCHEDULE AND DEADLINES, AND FOR ADVISING THE ARCHITECT FOR ALL LONG LEAD ITEMS. ORDER CONFIRMATION SHALL BE SUBMITTED WITH DELIVERY DATES. PROVIDE LEAD TIME ESTIMATES WITH ANY BID PROPOSALS. IT SHALL BE AT THE GENERAL CONTRACTORS EXPENSE IF ANY LONG LEAD ITEMS ARE DISCOVERED AFTER THE PROJECT BEGINS.

6. CLEAN UP: CLEANING OF CONTRACTOR'S EQUIPMENT AND TOOLS SHALL BE LIMITED TO AREAS DESIGNATED BY THE BUILDING MANAGER. TRASH SHALL BE REMOVED AND SWEEPING\VACUUMING SHALL BE PROVIDED ON A DAILY AND CONTINUING BASIS THROUGHOUT THE CONSTRUCTION PROCESS. FINAL CLEANING SHALL BE PROVIDED BY THE CONTRACTOR AND INCLUDE WINDOWS, SILLS, WINDOW COVERINGS (BLINDS), CABINETS, LIGHT FIXTURES, SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLS.

7. PROTECTION OF EXISTING ITEMS: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING CONSTRUCTION ON AND OFF SITE, AND SHALL BE HELD RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY GENERAL CONTRACTOR OR ANY OF ITS SUBCONTRACTORS.

8. WORK PERFORMED UNDER SEPARATE CONTRACT: THE GENERAL CONTRACTOR IS TO VERIFY WITH THE BUILDING MANAGER, IF ANY WORK IS TO BE PERFORMED UNDER A SEPARATE CONTRACT.

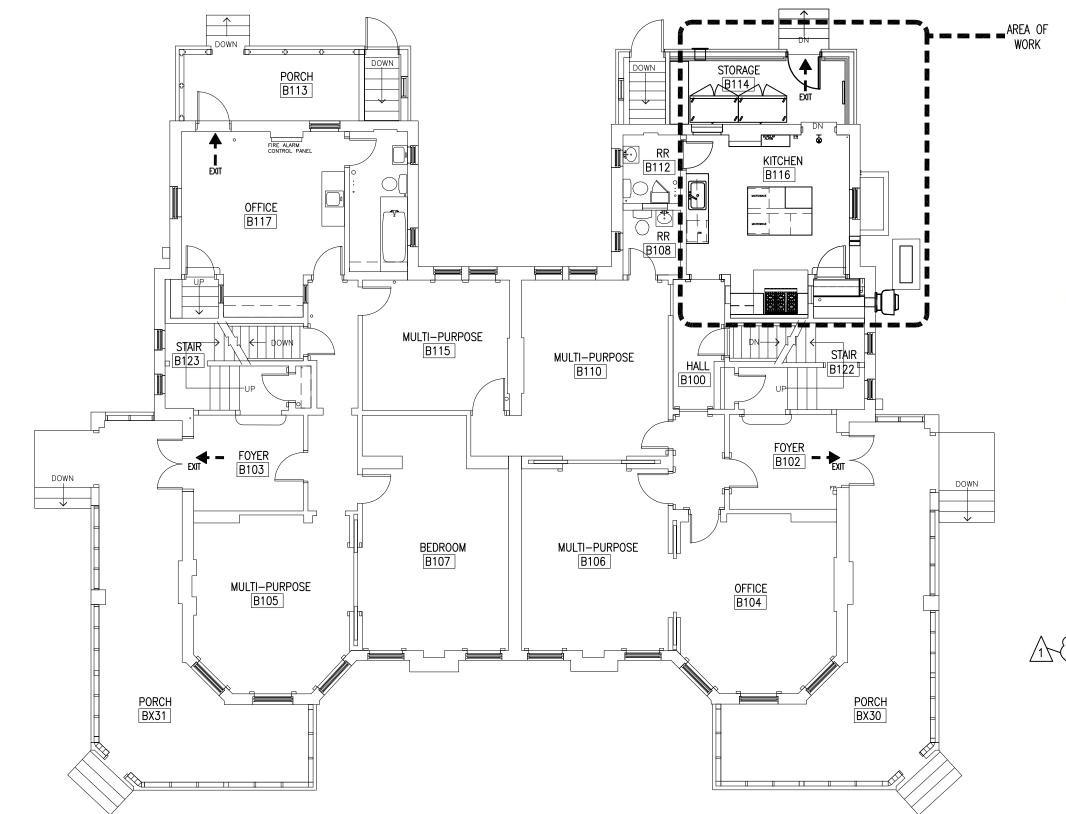
9. FIRE WALL PENETRATIONS: ALL PENETRATIONS THROUGH FIRE RESISTIVE CONSTRUCTION SHALL BE CAULKED OR OTHERWISE SEALED WITH AN APPROVED FIRE SEALANT TO MAINTAIN THE REQUIRED FIRE



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FIRST FLOOR OVERALL PLAN NORTH NORTH

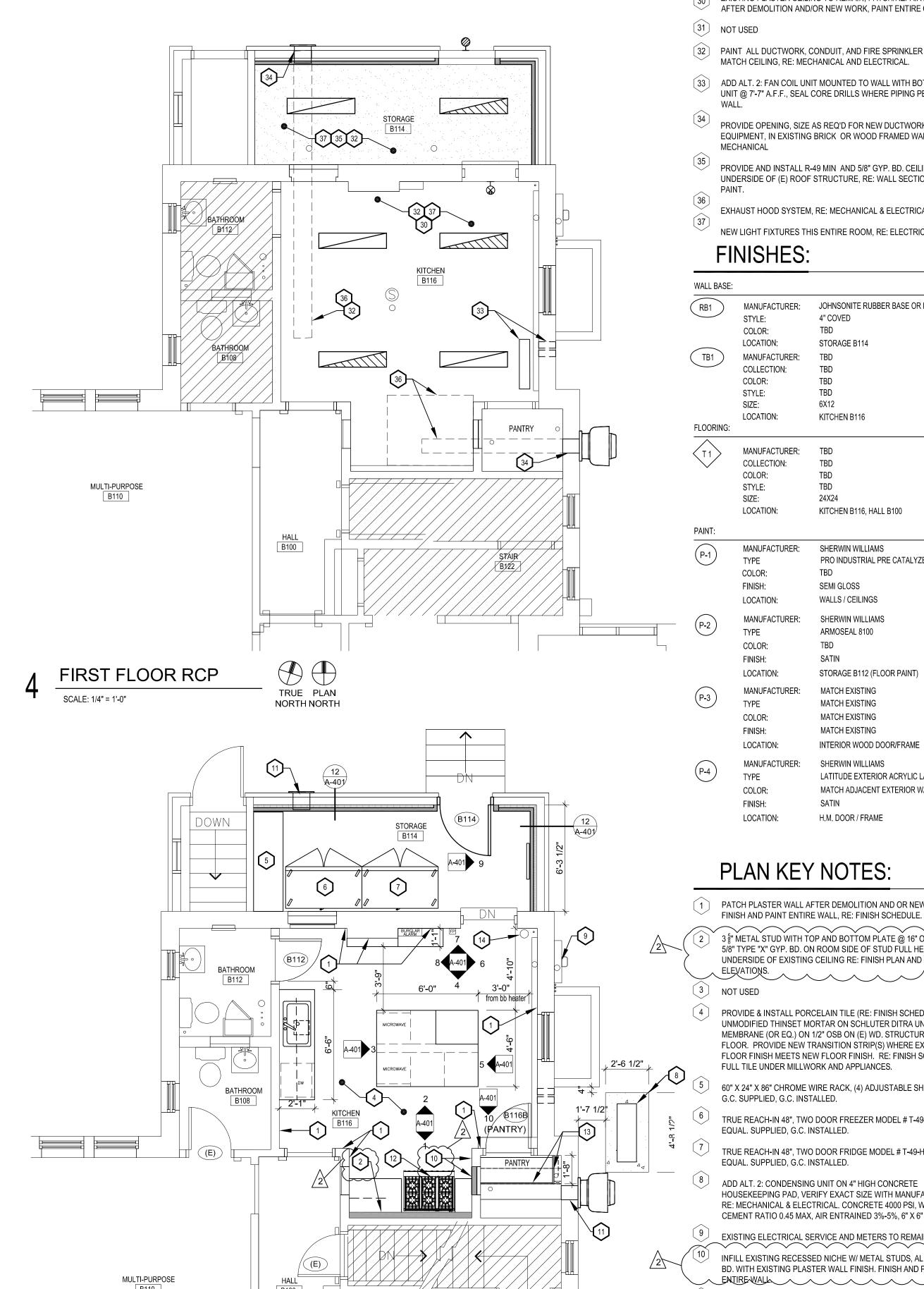


ARCHITECTURAL WORKSHOP . DENVER COLORADO

DESCRIPTION 95% CONSTRUCTION DOCUMENTS 100% CD FOR CONSTRUCTION 6-17-22 CODE REVIEW COMMENTS

DRAWN BY: KS CHECKED BY: JM PROJECT: 2134FL INITIAL DATE: DEC 21

GENERAL NOTES, SYMBOLS, ABBREVIATIONS, & CODE INFO



FIRST FLOOR PLAN

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

TRUE PLAN

NORTH NORTH

CEILING PLAN KEY NOTES:

- (30) EXISTING PLASTER CEILING TO REMAIN, PATCH/REPAIR AS REQ'D AFTER DEMOLITION AND/OR NEW WORK, PAINT ENTIRE CEILING.
- (31) NOT USED
- 32 PAINT ALL DUCTWORK, CONDUIT, AND FIRE SPRINKLER PIPE TO MATCH CEILING, RE: MECHANICAL AND ELECTRICAL.
- (33) ADD ALT. 2: FAN COIL UNIT MOUNTED TO WALL WITH BOTTOM OF UNIT @ 7'-7" A.F.F., SEAL CORE DRILLS WHERE PIPING PENETRATES
- PROVIDE OPENING, SIZE AS REQ'D FOR NEW DUCTWORK & EQUIPMENT. IN EXISTING BRICK OR WOOD FRAMED WALL. RE:
- PROVIDE AND INSTALL R-49 MIN AND 5/8" GYP. BD. CEILING TO UNDERSIDE OF (E) ROOF STRUCTURE, RE: WALL SECTION 11/A-401.
- EXHAUST HOOD SYSTEM, RE: MECHANICAL & ELECTRICAL.
- NEW LIGHT FIXTURES THIS ENTIRE ROOM, RE: ELECTRICAL.

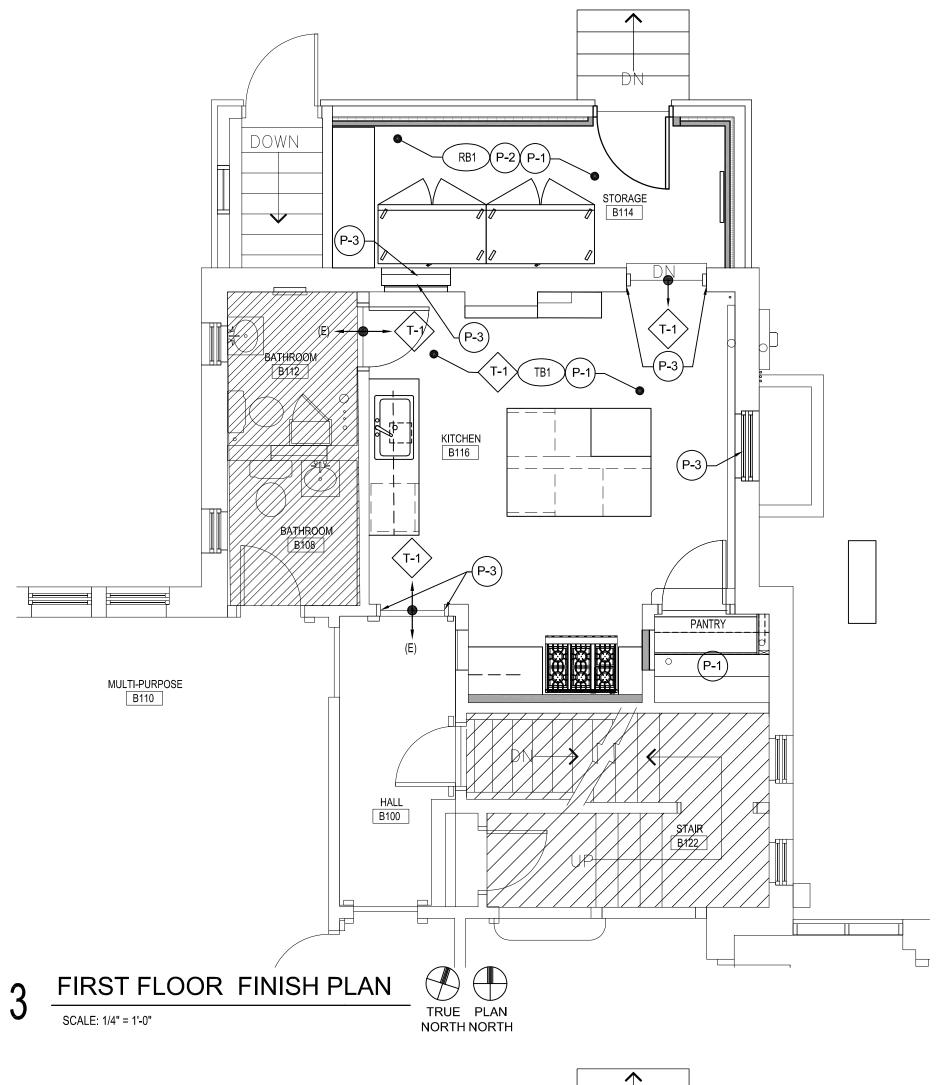
FINISHES:

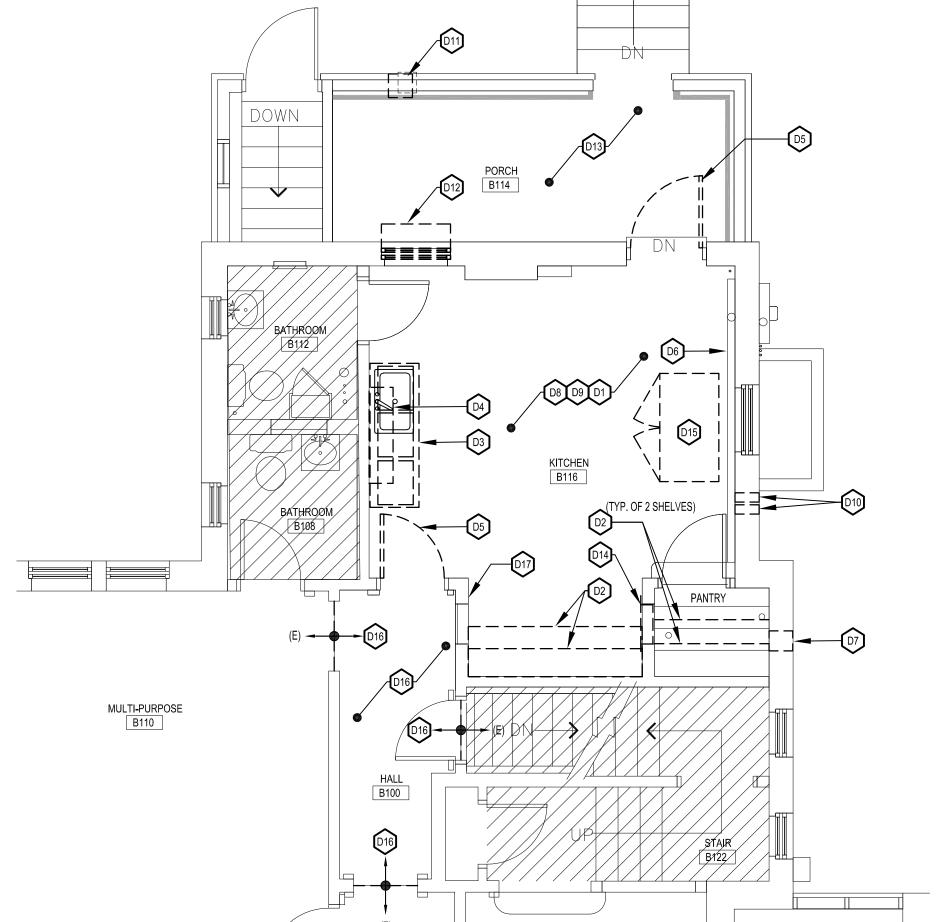
RB1	MANUFACTURER:	JOHNSONITE RUBBER BASE OR EQ
	STYLE:	4" COVED
	COLOR:	TBD
_	LOCATION:	STORAGE B114
TB1	MANUFACTURER:	TBD
	COLLECTION:	TBD
	COLOR:	TBD
	STYLE:	TBD
	SIZE:	6X12
	LOCATION:	KITCHEN B116
FLOORING:		

- MANUFACTURER: COLLECTION: COLOR TBD STYLE: SIZE: 24X24 LOCATION: KITCHEN B116, HALL B100
- MANUFACTURER: SHERWIN WILLIAMS PRO INDUSTRIAL PRE CATALYZED WATER-BASED EPOXY TYPE TBD COLOR: SEMI GLOSS FINISH: LOCATION: WALLS / CEILINGS
- SHERWIN WILLIAMS MANUFACTURER: ARMOSEAL 8100 TYPE TBD COLOR: SATIN FINISH: LOCATION: STORAGE B112 (FLOOR PAINT)
- MANUFACTURER: MATCH EXISTING MATCH EXISTING COLOR: MATCH EXISTING MATCH EXISTING FINISH: LOCATION:
- MANUFACTURER: SHERWIN WILLIAMS LATITUDE EXTERIOR ACRYLIC LATEX TYPE MATCH ADJACENT EXTERIOR WALL COLOR: SATIN FINISH: LOCATION: H.M. DOOR / FRAME

PLAN KEY NOTES:

- PATCH PLASTER WALL AFTER DEMOLITION AND OR NEW WORK, FINISH AND PAINT ENTIRE WALL, RE: FINISH SCHEDULE.
- 3 % METAL STUD WITH TOP AND BOTTOM PLATE @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD. ON ROOM SIDE OF STUD FULL HEIGHT TO UNDERSIDE OF EXISTING CEILING RE: FINISH PLAN AND NOT USED
- PROVIDE & INSTALL PORCELAIN TILE (RE: FINISH SCHEDULE) ON UNMODIFIED THINSET MORTAR ON SCHLUTER DITRA UNCOUPLING MEMBRANE (OR EQ.) ON 1/2" OSB ON (E) WD. STRUCTURAL PLANK FLOOR. PROVIDE NEW TRANSITION STRIP(S) WHERE EXISTING FLOOR FINISH MEETS NEW FLOOR FINISH. RE: FINISH SCHEDULE. FULL TILE UNDER MILLWORK AND APPLIANCES.
- 60" X 24" X 86" CHROME WIRE RACK, (4) ADJUSTABLE SHELVES. G.C. SUPPLIED, G.C. INSTALLED.
- TRUE REACH-IN 48", TWO DOOR FREEZER MODEL # T-49-FHC OR EQUAL. SUPPLIED, G.C. INSTALLED.
- TRUE REACH-IN 48", TWO DOOR FRIDGE MODEL # T-49-HC OR EQUAL. SUPPLIED, G.C. INSTALLED.
- ADD ALT. 2: CONDENSING UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD, VERIFY EXACT SIZE WITH MANUFACTURER, RE: MECHANICAL & ELECTRICAL. CONCRETE 4000 PSI, WATER: CEMENT RATIO 0.45 MAX, AIR ENTRAINED 3%-5%, 6" X 6" WWF.
- EXISTING ELECTRICAL SERVICE AND METERS TO REMAIN. INFILL EXISTING RECESSED NICHE W/ METAL STUDS, ALIGN GYP. BD. WITH EXISTING PLASTER WALL FINISH. FINISH AND PAINT
- PROVIDE AND INSTALL 3 X 1/4" PLATE STEEL LINTEL AT OPENING HEAD (ALL BRICK WYTHE'S) FOR NEW MECHANICAL EQUIPMENT, BEAR 6" MIN. AT EACH SIDE OF OPENING, SEAL AND PAINT WHERE EXPOSED TO VIEW.
- 36" WIDE (6) BURNER NATURAL GAS RANGE BOSCH MODEL# HGS8655UC OR EQUAL.
- INSTALL 2X WOOD STUD FRAMING AT BACK AND SIDE FULL HEIGHT. SHEATH WITH 23/32" SANDED PLYWOOD FROM BOTTOM OF FRAMING UP 48". PREP FOR PAINTING.
- PROVIDE A 2-A FIRE EXTINGUISHER WITH WALL MOUNTING BRACKET MOUNTED AT 5'-0" TO THE TOP OF THE EXTINGUISHER.





FIRST FLOOR DEMO PLAN TRUE PLAN SCALE: 1/4" = 1'-0" NORTH NORTH

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. ANY DISCREPANCIES IN DRAWINGS AND\OR EXISTING CONDITIONS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
- 2. THE ARCHITECT DISCLAIMS ANY RESPONSIBILITIES AND/OR KNOWLEDGE OF ASBESTOS. THE OWNER ACCEPTS ALL RESPONSIBILITY FOR REMOVAL AND DISPOSAL OF ASBESTOS IF DISCOVERED.
- NEW CONSTRUCTION MUST ALIGN WITH EXISTING WALLS AND\OR ELEMENTS. WALL AND CEILING TEXTURES MUST MATCH AND BE BLENDED TO MEET OWNER AND ARCHITECT APPROVAL.
- 4. ALL DIMENSIONS ARE FROM FACE OF FINISHED WALLS OR CENTERLINE OF GRID UNLESS NOTED OTHERWISE.
- 5. ALL WALLS ARE TO BE WALL TYPE \(1 \) U.N.O. SEE SHEET A-601 FOR WALL TYPES.
- 6. SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL NOTES AND FIRE SAFETY REQUIREMENTS.
- 7. ALL ROUGH AND FINISH CONSTRUCTION SHALL BE IN COMPLIANCE WITH GOVERNING CODES AND REGULATIONS AS A MINIMUM
- 8. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PHYSICALLY DISCONNECT ALL DISABLED DEVICES AND PULL BACK TO PANEL
- 9. PLUMBING FIXTURE DIMENSIONS ARE FROM FINISHED FACE OF WALL TO CENTERLINE OF FIXTURE.

DEMO KEY NOTES:

- REMOVE EXISTING VCT & ASSOCIATED SUB-FLOOR ASSEMBLY COMPLETE DOWN TO ORIGINAL STRUCTURAL WD. PLANK FLOOR INCLUDING TRANSITION STRIP(S). REMOVE (E) RUBBER WALL BASE AND WOOD BASE BOARD THIS ENTIRE ROOM, PATCH WALL WHERE BASEBOARDS WERE REMOVED.
- D2 REMOVE EXISTING CASEWORK/SHELVING ASSEMBLY COMPLETE.
- REMOVE EXISTING 3-COMPARTMENT SINK ASSEMBLY COMPRE: PLUMBING. EXISTING FLOOR SINK BELOW TO REMAIN. REMOVE EXISTING 3-COMPARTMENT SINK ASSEMBLY COMPLETE,
- [D4] REMOVE WALL CABINET ASSEMBLY COMPLETE INCLUDING ELECTRICAL, RE: ELECTRICAL.
- REMOVE EXISTING DOOR AND HARDWARE AND DOOR STOP. REMOVE EXISTING HINGES. DOOR FRAME AND TRIM TO REMAIN, PATCH / PLUG WOOD FRAME WHERE HARDWARE WAS REMOVED. PREP FOR PAINT.
- [D6] EXISTING BASE BOARD HEAT TO REMAIN.
- SAWCUT AND REMOVE EXISTING DOUBLE WYTHE BRICK WALL AS REQ'D FOR HOOD EXHAUST OUTLET/INLET, RE: MECHANICAL. SALVAGE BRICKS, RETURN TO OWNER. RELOCATE EXISTING FIRE ALARM DEVICES / CONDUIT ON EXTERIOR AS REQUIRED.
- D8 EXISTING PLASTER CEILING TO REMAIN.
- REMOVE EXISTING SURFACE MOUNTED LIGHTING FIXTURES ASSEMBLY COMPLETE THIS ENTIRE ROOM, PATCH CEILING.
- CORE DRILL EXISTING DBL. WYTHE BRICK WALL AS REQ'D FOR CONDENSATE PIPING.
- CUT OPENING IN WOOD STUD WALL FOR NEW MECHANICAL, RE:
- MECHANICAL. DO NOT CUT STR. BEAM. [D12] REMOVE EXISTING WIDOW AC UNIT, SALVAGE TO OWNER. REMOVE EXISTING WINDOW SASHES, RETURN TO OWNER, TIE OFF COUNTER WEIGHT ROPE IF PRESENT SO IT CAN BE REINSTALLED.
- CUT TO FIT 23 / 32" SANDED PLYWOOD OVER SASH STOPS INSIDE AND OUTSIDE. IF NO WEIGHT ROPES INSTALL SANDED PLYWOOD ON INSIDE ONLY. CUT OPENING FOR NEW MECH. DUCT, RE: MECH. PREP FOR PAINTING.
- [D13] EXISTING CONCRETE FLOOR TO REMAIN, PREP FOR NEW PAINT PER MANUFACTURER REQUIREMENTS.
- [D14] REMOVE (E) WOOD TRIM AND SHELVES IN RECESSED "NICHE", PREP WALL TO BE INFILLED. SALVAGE TRIM PIECES TO REPAIR THE TRIM THAT WAS CUT ON OPPOSITE SIDE AFTER THE UPPER CABINETS ARE REMOVED.
- (D14) EXISTING ELECTRICAL SERVICE AND METERS TO REMAIN.
- [D15] REMOVE COMMERCIAL FRIDGE, SALVAGE TO OWNER.
- [D16] REMOVE EXISTING VCT & ASSOCIATED SUB-FLOOR ASSEMBLY COMPLETE DOWN TO ORIGINAL WOOD FLOOR, INCLUDING TRANSITION STRIP(S). REMOVE (E) QUARTER ROUND @ WALL BASE PERIMETER, WOOD WALL BASE BOARD TO REMAIN IN THIS ENTIRE ROOM.
- [D17] REMOVE COVER BOARD ON WALL AND PATCH WALL WITH GYP. BD. TEXTURE TO MATCH ADJACENT. IF VALVE/ J-BOX IN WALL THEN FRAME IN A METAL ACCESS PANEL.

LEGEND:

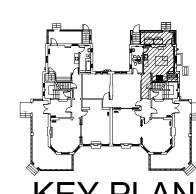
NO WORK IN THIS AREA

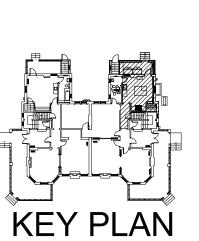
EXISTING CONSTRUCTION (EXTERIOR / INTERIOR)

NEW WALL CONSTRUCTION DEMO ITEM

EXISTING DOOR TO REMAIN

NEW DOOR







UNIVERSITY OF

COLORADO

DENVER, CO 80202 STATE PROJECT NO: 22-106819

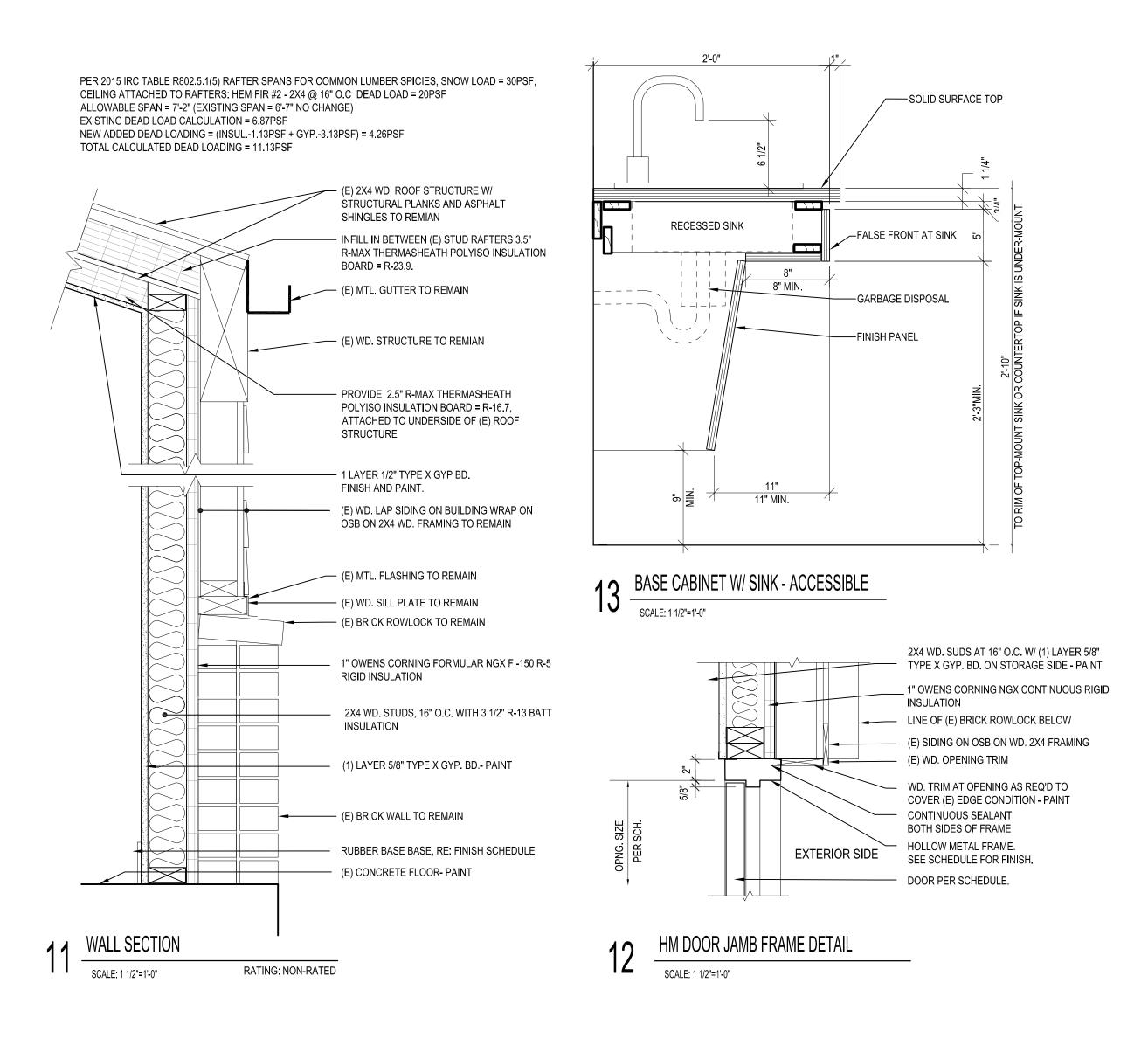


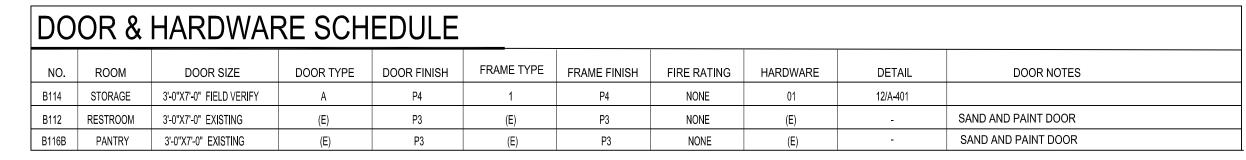


DESCRIPTION
95% CONSTRUCTION DOCUMENTS
100% CD FOR CONSTRUCTION
CODE REVIEW COMMENTS
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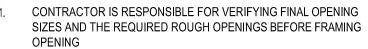
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FIRST FLOOR DEMO PLAN, PLAN, FINISH PLAN, & RCP





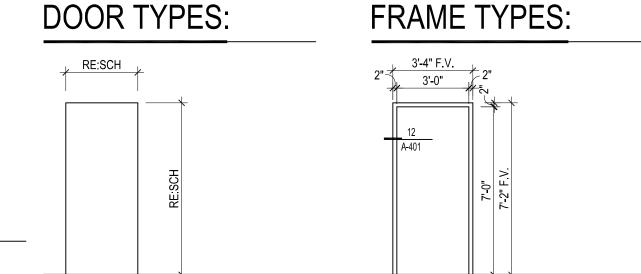
DOOR NOTES:



INSTALL ALL DOORS AS PER SCHEDULE, NEW AND SALVAGED

CONTRACTOR TO CONFIRM SCHEDULED DOOR HEIGHT AND FRAME HEAD HEIGHT TO FIT AND ALIGN WITH EXISTING OPENING PRIOR TO ORDERING DOORS OR FRAMES.

REFER TO SPECIFICATION SECTION 087100 FOR HARDWARE SETS

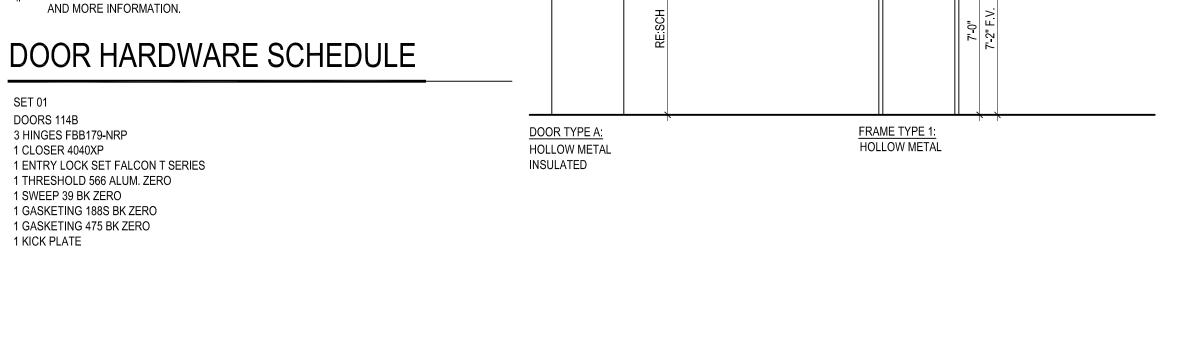


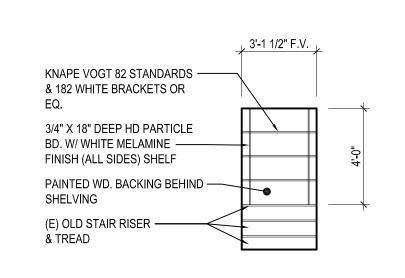
UNIVERSITY OF COLORADO

ANSCHUTZ

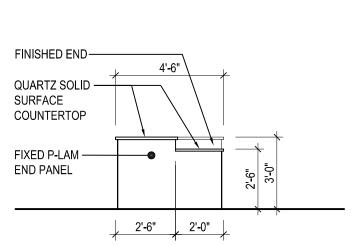
ARTS FT. LOGAN **RENO BUILDING 16**

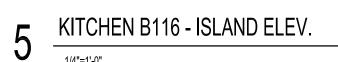
3844 & 3854 W. PRINCETON CIR DENVER, CO 80202 STATE PROJECT NO: 22-106819

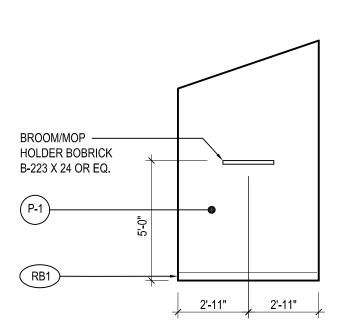




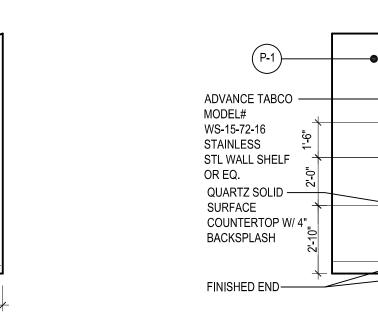




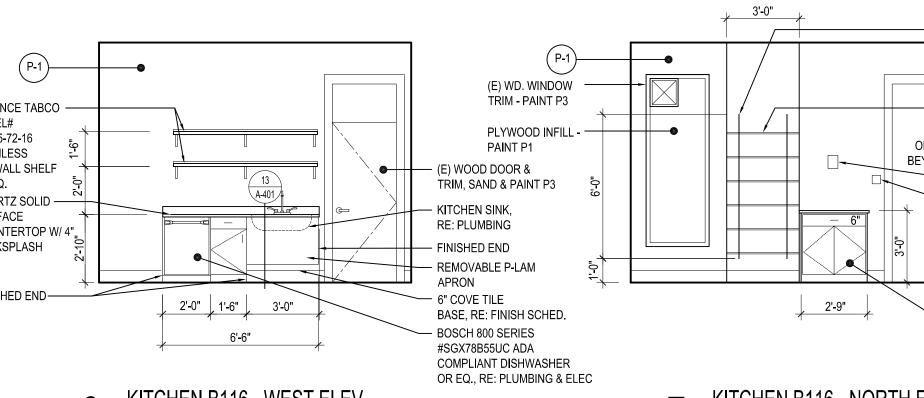


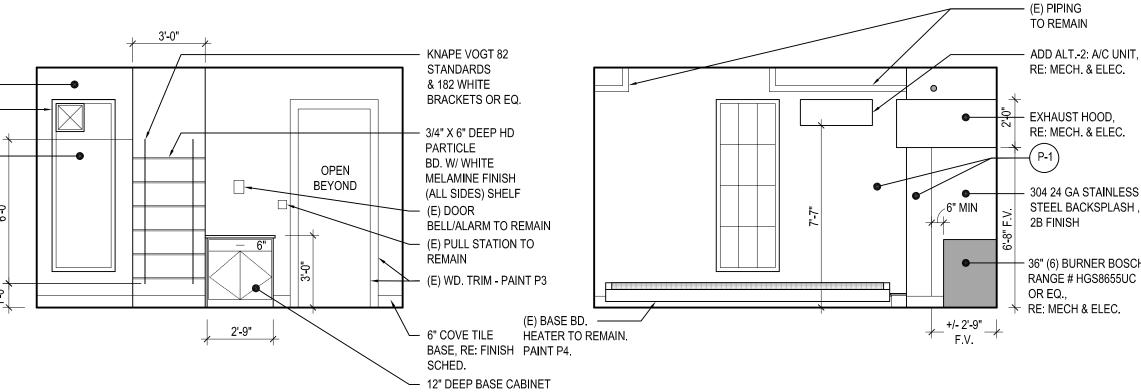


9 PORCH B114 - EAST ELEV.



KITCHEN B116 - WEST ELEV





W/ DRAWER AND ADJ. SHELF, QUARTZ SOLID SURFACE COUNTERTOP KITCHEN B116 - NORTH ELEV.

-P-LAM OPEN SHELVES

OR EQ.

EXISTING STAIR

FINISH, PROVIDE A

CLASS K FIRE

CAPACITY.

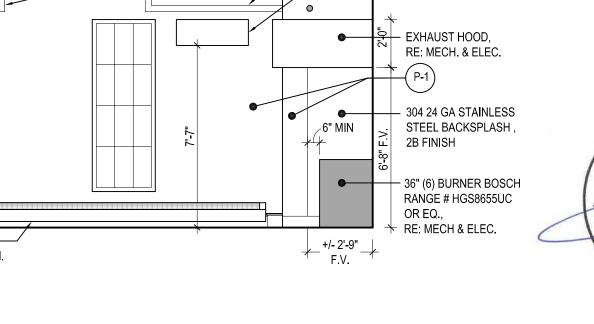
EXTINGUISHER W/ A MIN. 2.5 GALLON

RISER TO _____

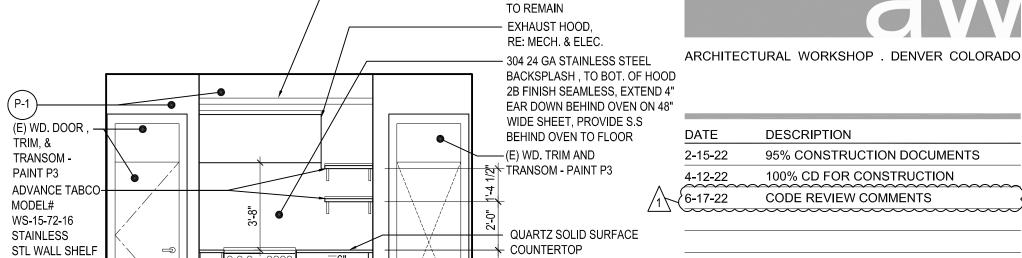
REMAIN -PAINT RISER P3
OPEN CABINET P-LAM

-P-LAM TOE KICK

2'-3" 2'-0" 1'-9"







- 36" (6) BURNER GAS RANGE

BOSCH # HGS8655UC

OR EQ., RE: MECH & ELEC

FILLER, SCRIBE TO

WALL

KITCHEN B116 - EAST ELEV.

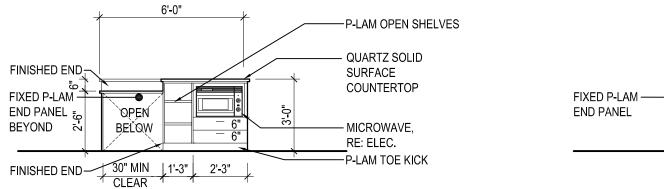
1'-0" 3'-0 1/2" 3'-0"

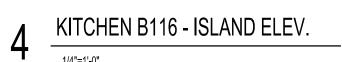
1/4"=1'-0"

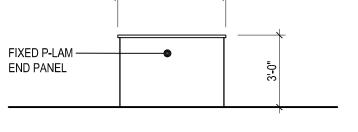
KITCHEN B116 - SOUTH ELEV.

DRAWN BY: KS	CHECKED BY: JM
PROJECT: 2134FL	INITIAL DATE: DEC 21

INTERIOR ELEVATIONS, DOOR SCHEDULE, & DETAILS







KITCHEN B116 - ISLAND ELEV

QUARTZ SOLID -

COUNTERTOP

MICROWAVE

RE: ELEC.

SURFACE

KITCHEN B116 - ISLAND ELEV.

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- 2. ALL SUBCONTRACTORS SHALL BE LICENSED, EXPERIENCED, AND THOROUGHLY KNOWLEDGEABLE IN THEIR RESPECTIVE AREAS OF THE CONSTRUCTION INDUSTRY AND SHALL PERFORM IN A RESPONSIBLE MANNER WITH ESTABLISHED CONSTRUCTION SEQUENCE, SHALL RECOGNIZE THE PRIORITY OF THE CONSTRUCTION DOCUMENTS. AND SHALL INFORM THE PRIME CONTRACTOR OF POTENTIAL PROBLEMS WHEN THE CONSTRUCTION DOCUMENTS ARE UNCLEAR OR INCONSISTENT.
- 3. SUBCONTRACTORS SHALL BE RESPONSIBLE TO NOTIFY THE PRIME CONTRACTOR OF DISCREPANCIES OR CONFLICTS IN THE CONSTRUCTION DOCUMENTS FOUND DURING BIDDING 12. WORK SHALL BE PERFORMED IN A AND/OR PRIOR TO PERFORMING THE WORK.
- 4. EXAMINATION OF BIDDING DOCUMENTS.
- a. EACH BIDDER SHALL EXAMINE THE BIDDING DOCUMENTS CAREFULLY, AND NOT LATER THAN SEVEN (7) DAYS PRIOR TO THE DATE OF RECEIPT OF BIDS, SHALL MAKE WRITTEN REQUEST TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION OF ANY DISCREPANCIES, AMBIGUITIES, INCONSISTENCIES, OR ERRORS THEREIN WHICH HE MAY DISCOVER. THE ARCHITECT WILL ISSUE ANY INTERPRETATION OR CORRECTION AS AN ADDENDUM. ONLY A WRITTEN INTERPRETATION OR CORRECTION BY ADDENDUM SHALL BE BINDING. NO BIDDER SHALL RELY UPON INTERPRETATIONS OR CORRECTIONS GIVEN BY ANY OTHER METHOD. IF DISCREPANCIES, AMBIGUITIES, INCONSISTENCIES. OR ERRORS ARE NOT COVERED BY ADDENDUM OR WRITTEN DIRECTIVE, CONTRACTOR SHALL INCLUDE IN HIS BID LABOR MATERIALS AND METHODS OF CONSTRUCTION RESULTING IN HIGHER COST. AFTER AWARD OF CONTRACT, NO ALLOWANCE OR EXTRA COMPENSATION WILL BE MADE ON BEHALF OF THE CONTRACTOR DUE TO HIS FAILURE TO MAKE THE WRITTEN REQUESTS AS DESCRIBED ABOVE.
- b. FAILURE TO REQUEST CLARIFICATION DURING THE BID 17. REPAIR ALL ACCIDENTAL OR INTENTIONAL DAMAGE TO PERIOD OF ANY INADEQUACY, OMISSION, OR CONFLICT WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES. THE SIGNING OF THE CONTRACT WILL BE CONSIDERED AS IMPLICITLY DENOTING THAT THE CONTRACTOR HAS A THOROUGH COMPREHENSION OF THE FULL INTENT AND SCOPE OF THE CONSTRUCTION CONTRACT DRAWINGS AND SPECIFICATIONS.
- INASMUCH AS DESIGN FOR REMODEL AND/OR REHABILITATION REQUIRES THAT CERTAIN ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS, AND BECAUSE SOME OF THESE ASSUMPTIONS CANNOT BE VERIFIED WITHOUT DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE BUILDING, THE ENGINEER CANNOT ASSURE THE OWNER OR THE CONTRACTOR THAT THE PROFESSIONAL CONSULTING SERVICES HEREIN ENCOMPASS ALL CONTINGENCIES. FIELD COORDINATION DURING CONSTRUCTION IS IMPERATIVE. MAKE REASONABLE ALLOWANCES FOR UNSEEN CONDITIONS.
- 6. THE EXISTING BUILDING WILL BE OCCUPIED BY THE OWNER DURING CONSTRUCTION. CONTINUED OPERATION OF THE FACILITY SHALL NOT BE HINDERED BY THIS WORK. ACCOUNT FOR ALL ADDITIONAL COSTS WHICH MAY BE INCURRED DUE TO THE DIFFICULTY OF WORKING OVER AND AROUND EMPLOYEES, FURNITURE, EQUIPMENT, ETC.: AND DUE TO THE HOURS OF THE DAY IN WHICH AN AREA MAY BE ACCESSIBLE WHEN COMPILING BID.
- 7. BE RESPONSIBLE TO FIELD VERIFY EXISTING EQUIPMENT OR DUCTWORK REMAINING TO BE CONNECTED TO NEW OR EXISTING SYSTEMS. PROVIDE DUCTWORK, PIPING, CONTROLS, DIFFUSERS, ETC., AS REQUIRED TO RESTORE CONTINUITY OF SYSTEM (S), OR TO MAKE NEW WORK MEET EXISTING CONDITIONS, WHETHER INDICATED OR NOT.
- 8. SUBCONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL UTILITY SERVICES AND COORDINATE AS REQUIRED BY THEIR RESPECTIVE AREA OF THE CONSTRUCTION, NOTIFYING THE PRIME CONTRACTOR OF VARIATIONS OR

- 9. IF NOT SPECIFICALLY DEFINED IN THESE CONSTRUCTION DOCUMENTS, MATERIALS AND/OR EQUIPMENT SHALL BE IDENTIFIED BY THE SUBCONTRACTOR WITH SUFFICIENT TIME TO ALLOW SELECTION, PURCHASE, AND DELIVERY TO MAINTAIN CONSTRUCTION SCHEDULE.
- 10. ALL DUCTWORK, DIFFUSERS. PIPING EQUIPMENT SHOWN IN LIGHT LINE NEW INDICATED BY HEAVIER LINE V NOTED. PIPES, DUCTWORK, EQUIPI REMOVED, ARE SHOWN HATCHED.
- 11. OFFSET PIPING, DUCTWORK, ETC. A ACCOMMODATE STRUCTURE, BEAM EXISTING EQUIPMENT.
- TO THE SATISFACTION OF THE ARC ENGINEER.
- 13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM HIS/HER WORK IN CONFORMANCE WITH ALL APPLICABLE CODES, ORDINANCES AND LIFE SAFETY FEATURES AS REQUIRED BY LOCAL, STATE, OR NATIONAL AUTHORITIES. THE CONTRACTOR SHALL VERIFY WITH THE ARCHITECT IF MODIFICATION OF HIS/HER WORK IS REQUIRED FOR COMPLIANCE.
- 14. NATIONAL ELECTRICAL CODE, MOST CURRENT NFPA, ALL LOCAL ORDINANCES AND AMENDMENTS AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS. IF A CONFLICT BETWEEN THOSE PUBLICATIONS EXISTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- 15. SUBMIT RECORD DOCUMENTS TO ARCHITECT WITHIN 90 DAYS OF COMPLETION. DOCUMENTS SHALL INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
- 16. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION PRIOR TO ACCEPTANCE BY THE
- MATCH EXISTING CONSTRUCTION WITH NO NOTICEABLE DIFFERENCE IN CONTINUITY, APPEARANCE OR FUNCTION.
- 18. COORDINATE ALL PENETRATIONS OF THE FLOOR SLAB PRIOR TO COMMENCING WORK. COORDINATE ALL NEW PENETRATIONS WITH OTHER DIVISIONS OF THE WORK. ALL CONTRACTORS ARE INDIVIDUALLY RESPONSIBLE FOR ALL PENETRATIONS REQUIRED BY THEIR DIVISIONS.
- 19. MAKE FINAL CONNECTIONS TO ALL KITCHEN EQUIPMENT. PIPE INDIRECT WASTE FROM EQUIPMENT TO FLOOR DRAINS AND FLOOR SINKS. REFER TO KITCHEN PLANS FOR EXACT LOCATION OF ROUGH-INS AND INDIRECT WASTE PIPING REQUIREMENTS. PROVIDE STAINLESS STEEL, BRAIDED, FLEXIBLE CONNECTOR FOR WATER SERVICE TO KITCHEN EQUIPMENT EXCEPT WHERE QUICK DISCONNECTS ARE PROVIDED BY EQUIPMENT VENDORS.
- 20. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING PENETRATIONS AND AIR DEVICE LOCATIONS.
- 21. COORDINATE ARCHITECTURAL, STRUCTURAL, MECHANICAL, FIRE PROTECTION, ELECTRICAL, LANDSCAPING, AND INTERIOR DESIGN DRAWINGS PRIOR TO INSTALLATION.
- 22. CAREFULLY VERIFY ELECTRICAL SERVICE VOLTAGE AND PHASE AVAILABLE
- 23. MOUNT ALL STATS AT 48" AFF IN "ACCESSIBLE" AREAS, 4'6" AFF IN OTHER AREAS. UNLESS NOTED OTHERWISE. COORDINATE LOCATION WITH WALL FINISH, AND TO AVOID CASEWORK. FURNITURE, DOOR SWINGS, HEAT SOURCES, AND EXTERIOR WALLS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO BEGINNING THERMOSTAT INSTALLATION.

ULE.	TAG	DESCRIPTION	HW	CW	WASTE	VEN
NG, FIXTURES, AND EWEIGHT IS EXISTING,	CS	CLOTHES WASHER OUTLET BOX	1/2"	1/2"	2"	1-1/
WEIGHT, EXCEPT WHERE	DF	DRINKING FOUNTAIN / WATER COOLER	-	1/2"	1-1/2"	1-1/
PMENT, ETC. TO BE	DM	DISH MACHINE ROUGH-IN	3/4"	3/4"	2"	1-1/
AS NECESSARY TO	DW	DISHWASHER ROUGH-IN	1/2"	-	2"	1-1/
AMS, AND COLUMNS, AND	FD	FLOOR DRAIN	-	-	2"	1-1/
	FRIG	REFRIG/ICE MAKER BOX	ı	1/2"	ı	-
N WORKMANLIKE MANNER CHITECT, OWNER, AND	FS	FLOOR SINK	ı	1	2"	1-1/
CHITECT, OWNER, AND	НВ	HOSE BIB	ı	3/4"	ı	-
ISIBII ITY TO PERFORM	HS	HAND SINK	1/2"	1/2"	1-1/2"	1-1/

KS KITCHEN SINK W/ OR W/O DISPOSAL

LAV LAVATORY

SIZES SHOWN ARE MINIMUM PIPE SIZES TO A SINGLE FIXTURE. LARGER SIZES MAY BE INDICATED ON PLANS WHERE REQUIRED.

1/2"

1/2"

1/2"

1/2" | 1-1/2" | 1-1/2"

1-1/2"

—D

FIXTURE CONNECTION SCHEDULE

- 2. MINIMUM DOMESTIC PIPE SIZE TO (2) OR MORE FIXTURES IS 3/4".
- RE: MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR INDIRECT WASTE
- WASTE AND VENT SIZES SHOWN ABOVE APPLY TO INDIVIDUAL VENTING ONLY. WHERE ALLOWED, INDIVIDUAL VENT CONNECTIONS MAY BE OMITTED OR SIZES MAY VARY WHEN CIRCUIT VENTS, COMMON VENTS, WASTE STACK VENTS, WET VENTS, OR COMBINATION DRAIN AND VENT SYSTEMS ARE USED. PRIOR APPROVAL FROM THE ENGINEER IS REQUIRED TO USE THESE ALTERNATIVE VENTING METHODS.
- PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS AND FLOOR SINKS NOT LOCATED IN FOOD SERVICE AREAS.
- MINIMUM SIZE FOR WASTE AND VENT PIPING BENEATH SLAB IS 2".
- 7. ALL FIXTURES LISTED ARE NOT NECESSARILY USED ON THIS PROJECT. REFER TO APPLIANCE SCHEDULES (BY OTHERS) FOR ADDITIONAL PLUMBING
- FIXTURE CONNECTIONS SUCH AS INSTA-HOTS, COFFEE MAKERS, AND GARBAGE DISPOSALS.
- PROVIDE ICE MAKER BOX ROUGH IN W/ 1/2"CW CONNECTION FOR ALL REFRIGERATOR LOCATIONS.

MECHANICAL SYSTEMS LEGEND

AIR SEPARATOR

BASE BOARD

BUFFER TANK

CIRC PUMP

DUCT COIL

EXHAUST FAN

HEATING COIL

HEAT PUMP

EXPANSION TANK

HEAT EXCHANGER

MAKE-UP AIR UNIT

KITCHEN EXHAUST FAN

BOILER (HOT WATER)

CABINET UNIT HEATER

DISHWASHER EXHAUST FAN

AS

BB

DC

DEF

HP

HX

KEF

MAU

CP OR P

EQUIPMENT ABBREVIATIONS

G	90° ELBOW DN
<u> </u>	90° ELBOW UP
	TEE DOWN
	TEE UP
—II—	BUTTERFLY VALVE
─ ₩─	SHUT OFF (BALL, GATE, BUTTERFLY)
— >	GLOBE VALVE
─ Ā—	CHECK VALVE
→	FLOW CONTROL VALVE
<u>—</u> а—	BALL VALVE
	PLUG OR BALANCING VALVE
	FLOW BALANCING VALVE
	PLUG VALVE IN RISER
	GATE OR GLOBE VALVE IN RISER
4	DRAIN VALVE W/ HOSE END
——————————————————————————————————————	TEMPERATURE CONTROL VALVE (2-WAY)
₩—	TEMPERATURE CONTROL VALVE (3-WAY)
——№—	PRESSURE REDUCING VALVE

PIPING SYMBOLS

			1
─ ≈	TEMPERATURE CONTROL VALVE (2-WAY)	MV	MIXING VALVE
	TEMPERATURE CONTROL VALVE (3-WAY)	Р	PUMP
—————————————————————————————————————	PRESSURE REDUCING VALVE	RF	RETURN (OR RELIEF) AIR FAN
—————	SOLENOID VALVE	SF	SUPPLY FAN
	VENTURI/FLOW INDICATOR	ST	STORAGE TANK
	PUMP & EQUIPMENT CONNECTOR	TMV	THERMOSTATIC MIXING VALVE
<u> </u>	PIPE UNION	UH	UNIT HEATER
₩ ₩	DOUBLE CHECK BACKFLOW PREVENTER	WH	WATER HEATER
	PIPE ANCHOR		
————	PIPE EXPANSION JOINT		NOING DEGICNIATIONS

PIPE EXPANSION JOINT		PIPING DESIGNATIO
FLEXIBLE CONNECTOR		THING DESIGNATIO
SAFETY RELIEF VALVE	HYDRONI	C PIPING
AIR VENT	—HWS—	HEATING WATER SUPPLY
PRESSURE - TEMP. TAP	—HWR—	HEATING WATER RETURN
PRESSURE GAUGE W/ PIG TAIL & COCK		

THERMOMETER	PLU	יעווסווענ	3 PIPING
THERMOWETER	_	-G—	NATURAL GAS
VACUUM BREAKER	_	мG 	MEDIUM PRESSURE GAS
STRAINER W/ BLOW-OFF VALVE	_	<u> </u>	DRAIN PIPE
SHOCK ABSORBER	_	RS—	REFRIGERANT SUCTION
FLOW SWITCH	_	RL —	REFRIGERANT LIQUID
HORIZONTAL CLEANOUT	_	cw—	DOMESTIC WATER
VERTICAL CLEANOUT	_	HW—	DOMESTIC HOT WATER
FLOOR DRAIN	 +	HWC—	DHW RECIRCULATION

— GV — | GREASE VENT

 $oldsymbol{\Theta}$

PLAN SYMBOLS

CARBON DIOXIDE SENSOR

HUMIDISTAT

THERMOSTAT

ACCESS PANEL

THIS PROJECT.

REQUIRED.

RE: B/M400 FFI

CARBON MONOXIDE SENSOR

REMOTE TEMPERATURE SENSOR

DUCT STATIC PRESSURE SENSOR

EMERGENCY POWER OFF SWITCH

DIAGRAM CONTINUATION REFERENCE

SECTION CUT LETTER/SHEET SHOWN ON

ROOM PRESSURE SENSOR

PLUMBING/HVAC RISER

POINT OF DISCONNECTION

POINT OF NEW CONNECTION

NOTES

ALL SYMBOLS, ABBREVIATIONS, AND DESIGNATIONS

ON LEGEND SHEET ARE NOT NECESSARILY USED ON

NOTATION CONVENTIONS OCCURRING IN THIS

LEGENDS. CONSULT THE ENGINEER IN THE EVENT

REFERENCE SAMPLE

SHEET NUMBER

REFER TO:

— DRAWING NUMBER OR

DIAGRAM LETTER

I FFI = FOR FURTHER INFORMATION

FCT = FOR CONTINUATION

SYMBOLOGY OR NOTATION INTERPRETATION IS

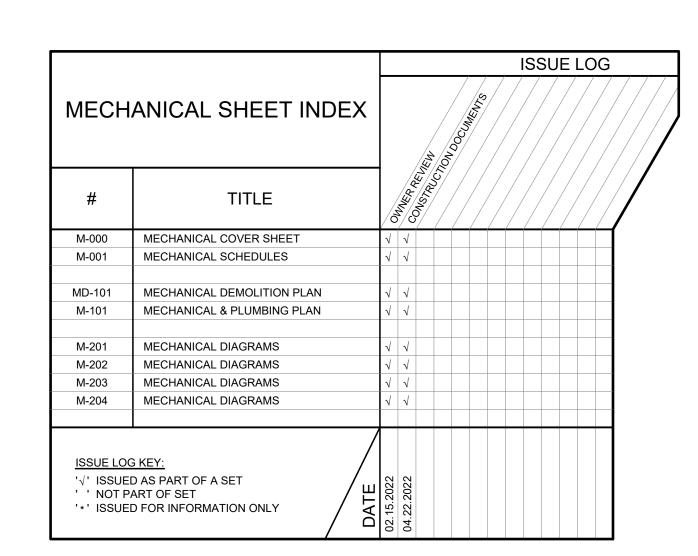
FLOOR SINK F F F FIRE LINE ─ W ─ WASTE PIPE ROOF DRAIN DECK/ROOF DRAIN ABOVE — V — PLUMBING VENT PIPE TEMPERATURE CONTROLLER OR SENSOR —GW— GREASE WASTE PIPE

HOSE BIBB

WALL HYDRANT

PROJECT ALTITUDE

5450' ABOVE SEA LEVEL



ABOVE FINISHED GRADE ROUND 90° ELBOW UP (ROUND DUCT ONLY) AUTO AUTOMATIC BUILDING CONTROL SYSTEM OFFSET TO CHANGE ELEVATION BACK DRAFT DAMPER (AT 30° WHEN POSSIBLE) BELOW FINISHED GRADE BLDG BUILDING BETWEEN COMMON (OR CLOSED) COMBUSTION AIR CONTROLS CONTRACTOR CONTINUATION DESIGN BUILD CDBBC Y CONTRACTOR CUBIC FEET PER MINUTE (AIR FLOW RATE) CAST IN PLACE CLG CEILING (OR COOLING) CLEANOUT CONC CONCRETE COND CONDENSATE SIZE OR SHAPE TRANSITION CONNECT (OR CONNECTION) CONTRACTOR CONTR'R COTG **CLEANOUT TO GRADE** COLD WATER DOMESTIC HOT WATER RECIRC 90° ELBOW DN (NEGATIVE PRESSURE) DOMESTIC HOT WATER DOWN 90° ELBOW DN (POSITIVE PRESSURE) DOMESTIC WATER DOMESTIC HOT WATER RECIRC 90° ELBOW UP (NEGATIVE PRESSURE) **EXISTING** EXHAUST AIR **ENTERING AIR TEMPERATURE** 90° ELBOW UP (POSITIVE PRESSURE) ELECTRICAL CONTRACTOR ENTERING WATER TEMPERATURE EXHAUST FUTURE 90° RADIUS ELBOW W/TURNING VANES FREE AREA FURNISHED BY OWNER FLOOR CLEANOUT FOR CONTINUATION FIRE DAMPER FOR FURTHER INFORMATION COMBINATION FIRE/SMOKE DAMPER SPLIT BRANCH TAKE-OFF WITH SQUARE ELBOW & SPLITTER DAMPER GENERAL CONTRACTOR GHX GROUND HEAT EXCHANGER SPLIT BRANCH TAKE-OFF WITH RADIUS GALLONS PER MINUTE (WATER FLOW RATE) ELBOW & SPLITTER DAMPER HORSEPOWER POSITIVE PRESSURE RISER, HOT WATER HOT WATER RECIRC NEGATIVE PRESSURE RISER, TYPICALLY IN LIEU OF RETURN, EXHAUST OR OUTSIDE AIR KILOWATTS LEAVING AIR TEMPERATURE MANUAL VOLUME DAMPER, SINGLE BLADE DAMPER (SBD) FOR ROUND OR <10" TALL. LINEAR FOOT OPPOSED BLADE DAMPER (OBD) >10" TALL LEAVING WATER TEMPERATURE **---** BDD MECHANICAL CONTRACTOR MANUFACTURER MOTOR OPERATED DAMPER DUCT SIZE: FIRST NUMBER IS PLAN WIDTH, SECOND NUMBER IS DEPTH. NEW NORMALLY CLOSED NATIONAL ELECTRIC CODE NOT IN CONTRACT AIR DEVICE DESIGNATION KEY NORMALLY OPEN OUTSIDE AIR OPPOSED BLADE VOLUME DAMPER OBD TYPE OF AIR DEVICE ON CENTER RE: GRD SCHEDULE. THIS DRAWING SET CONSISTS OF DATA GENERATED, IN OUTSIDE AIR PART, BY OTHER PARTIES. NOT ALL SYMBOLOGIES AND -- # = AIR QUANTITY (CFM) RETURN AIR CA = COMBUSTION AIR DRAWING SET ARE NECESSARILY DEFINED ON THESE FXH = FXHAUST REFER TO: OSA = OUTSIDE AIR RA = RETURN REQ'D REQUIRED XFR = TRANSFER REQ'MTS REQUIREMENTS SUPPLY AIR ➤ SIZE (INCHES) OR MINIMUM FREE AREA REQUIRED IN SQUARE FOOT (FEET) SQUARE FEET. BY XFR 12x6 STATIC PRESSURE STAINLESS STEEL THROW-AWAY (TRANSFER AIR) - INDICATES AIR TYPICAL INLET DEVICE **UNLESS NOTED OTHERWISE** WITH WITHOUT NOTE: FOR STANDARD MODULE SIZE REGISTERS, SIZE GIVEN IS WCO WALL CLEANOUT NECK SIZE. REFER TO GRD SCHEDULE FOR MODULE SIZE. WITH REGARD TO WATER COOLED VENT THRU ROOF TRANSFER XFR DIAMETER

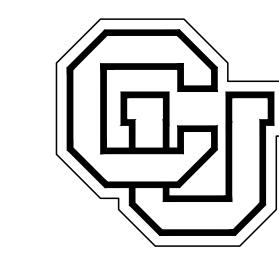
PLAN ABBREVIATIONS

AIR ADMITTANCE VALVE

ABOVE FINISHED FLOOR

ABOVE

ABV



DUCTWORK LEGEND

DESCRIPTION

90° ELBOW DOWN (ROUND DUCT ONLY)

D = DROP R = RISE

ROUND RADIUS ELBOW

90° STRAIGHT TEE

90° CONICAL TEE

45° BRANCH

45° CONICAL TEE

ROUND FLEXIBLE DUCT

90° RADIUS ELBOW

SQUARE DUCT SPLIT

ROUND DUCT SPLIT

TYPICALLY SUPPLY

BACKDRAFT DAMPER

DOUBLE LINE

الم

T

24x36

SINGLE LINE

UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN **RENO BUILDING 16** 3844 & 3854 W. PRINCETON CIR DENVER, COLORADO 80202 STATE PROJECT NO: 22-106819





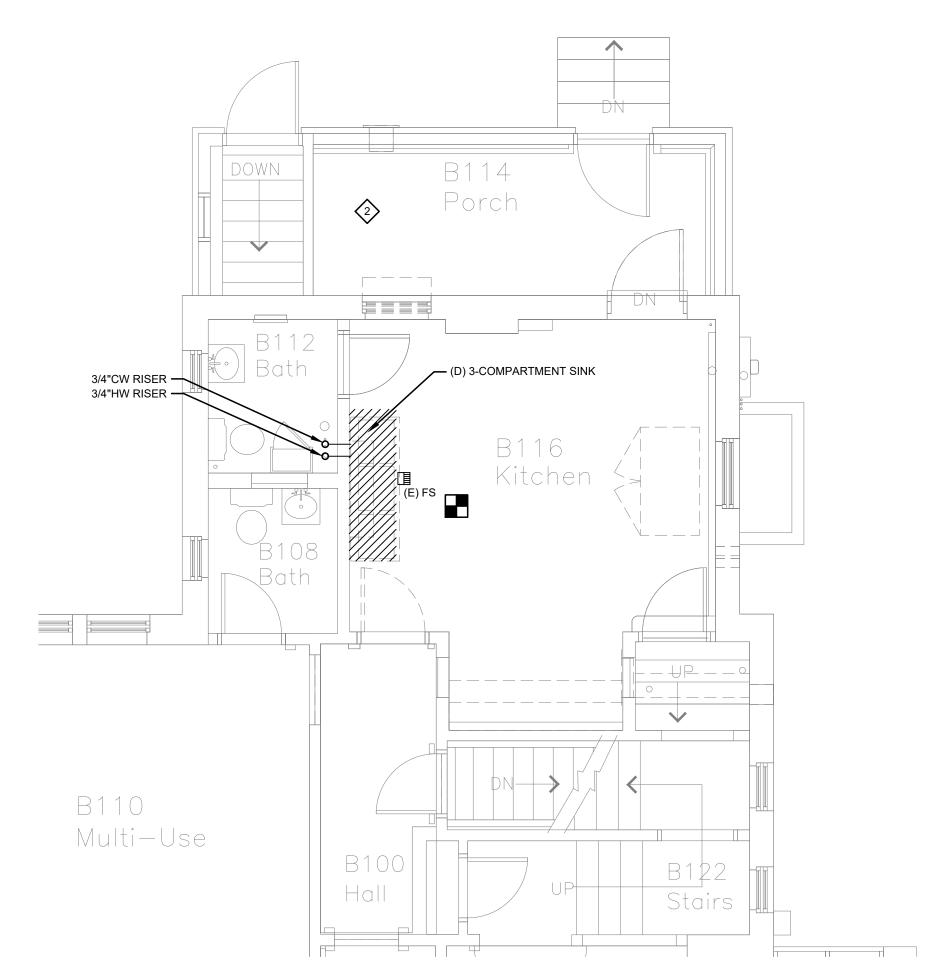


CONSTRUCT

PROJECT: 2134FL INITIAL DATE: DEC 21

MECHANICAL COVER SHEET

1 FIRST FLOOR MECHANICAL DEMOLITION PLAN SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLUMBING DEMOLITION PLAN SCALE: 1/4" = 1'-0"

DEMOLITION NOTES:

- 1. ADDITIONAL STORM, HYDRONIC, DOMESTIC, WASTE AND VENT PIPING MAY BE ROUTED IN SPACE THAT IS NOT REPRESENTED, BUT IS TO REMAIN. OTHER SYSTEMS MAY EXIST WITHIN THE SPACE THAT ARE NOT REPRESENTED ON THESE DRAWINGS; MODIFICATIONS TO THESE SYSTEMS ARE NOT ANTICIPATED.
- 2. FIELD VERIFY ALL COMPONENTS PRIOR TO DEMOLITION. THE INFORMATION ON THIS SHEET WAS OBTAINED, IN PART, FROM HISTORIC DESIGN DRAWINGS. ONLY PORTIONS OF THE SYSTEMS WERE ACCESSIBLE FOR VISUAL CONFIRMATION DURING DESIGN PROCESS.
- 3. (E) WASTE SYSTEM SERVING SPACE IS LOCATED IN THE CEILING OF THE SPACE BELOW.
- 4. REMOVE ALL MECHANICAL ITEMS INDICATED.
- TEMPORARILY SEAL OR CAP PIPING TO BE RE-USED FOR LATER CONNECTION.
- 6. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OF INFORMATION REPRESENTED IN THE DOCUMENTS VERSUS WHAT IS FOUND IN THE
- 7. COORDINATE PATCHING AND REPAIRS OF WALLS, CEILINGS AND FLOORS WITH ARCHITECT.
- 8. PATCH STRUCTURAL OPENINGS IN FLOORS, WALLS AND ROOFS THAT WERE PREVIOUSLY OCCUPIED BY SYSTEMS AND EQUIPMENT DEMOLISHED UNDER THIS CONTRACT IN ACCORDANCE WITH STRUCTURAL ENGINEER'S REQUIREMENTS.

DEMO FLAG NOTES:

- HWS/HWR PIPING TO BE DEMOLISHED AND RE-INSTALLED IN CLOSET TO ALLOW SPACE FOR NEW KITCHEN EXHAUST DUCT AND ADDITIONAL STORAGE.
- RELOCATE EXISTING SPRINKLER HEAD BELOW NEW CEILING.



UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN
RENO BUILDING 16
3844 & 3854 W. PRINCETON CIR
DENVER, COLORADO 80202
STATE PROJECT NO: 22-106819







DATE	DESCRIPTION
02-15-22	95% CONSTRUCTION DOCUMENTS
04-12-22	100% CD FOR CONSTRUCTION

DRAWN BY: JAC CHECKED BY: VJF
PROJECT: 2134FL INITIAL DATE: DEC 21

MECHANICAL DEMOLITION PLAN

MD-101

KEY PLAN

									MATC	H SPLI	T SYST	EM S	CHE	DULE						
				INDOOR FAI	N COIL UNI	Т							OUTDOC	R COND	ENSING UN	NIT				
		Al	R CONDIT	IONS		OPER.			DUTY	AMBIENT	I OW AMB		ELEC	TRICAL	1	OPER.				
MARK	CFM	E.A.T. DB (°F)		SENSIBLE MBH	FILTER		MANUFACTURER* & MODEL #	MARK		TEMP. DB (°F)		MCA	VOLT	PHASE	МОСР	WEIGHT (LBS.)	SEER	MANUFACTURER* & MODEL #	ACCESSORIES	REMARKS
FC-1	600	75	52	18	WASHABLE	50	HITACHI RAS-SH18RHLAE	CU-1	1.5	95	0	18	208	1	30	125	17	HITACHI RAC-SH18WHLAE	WIND BAFFLE, THERMOSTAT	А
ALTERN/	TE MANUFA	CTURERS: TRANE, DAIK	IN LG MITSI	IRISHI				•												
A:		•		OUTDOOR UN	IT.															

FAN SOUND POWER (dB re. 10-12 WATT)

MOTOR

ADD ALT 2

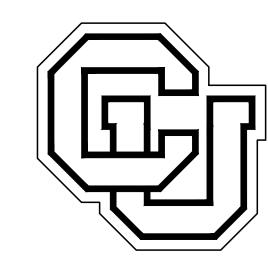
SOUND POWER (dB re. 10-12 WATT) OPER. MANUFACTURER*
& MODEL # WEIGHT ACCESSORIES REMARKS (WATT) VOLT PHASE CFM DRIVE RPM SONES @ S.L. (IN @ ALT (IN 63 250 500 1000 2000 4000 8000 HZ HZ HZ HZ HZ HZ COOK 150SQN-HP KEF-1 EXHAUST WALL 0.3 1/2 100 CAPTIVEAIRE DU50HFA A,B ALTERNATE MANUFACTURERS: COOK, GREENHECK, TWIN CITY, PENN, BROAN, PANASONIC PROVIDE DIRECT DRIVE FANS WITH FAN SPEED CONTROL. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAMEPLATE RATING.

								Н	EATING (COIL						
			COIL		AIR	CONDITIC	NS	WATE	WATER CONDITIONS			COIL		MANUEA OTUDED:		
MARK	SERVICE	TYPE	DIMENSION (IN)	CFM	E.A.T. DB (°F)	L.A.T. DB (°F)	SENS. MBH	E.W.T. (°F)	L.W.T. (°F)	GPM	FLUID TYPE	MAX. WTR P.D. (FT)	MAX. AIR P.D. (IN.)	MANUFACTURER* & MODEL#	ACCESSORIES	REMARKS
DHC-1	KITCHEN MUA	INLINE	18x14	800	0	50	36	180	140	2	WATER	10	0.5	MODINE 3WSS1406A	THERMOSTAT	А

MBH C°F) C°F) FLUID GPM MAX. WTR. P.D. (FT.) WATTS) VOLT PHASE & MODEL #						U	NIT A	AND C	CABIN	ET H	EATER	SCHE	DUL	E (HY	DRONIC)		
MARK SERVICE TYPE CFM SENSIBLE MBH E.W.T. (°F) FLUID GPM MAX. WTR. P.D. (FT.) WATTS VOLT PHASE MANUFACTURER* & MODEL # ACCESSORIES REMARK MODEL # ACCESSORIES REMARK WATTS VOLT PHASE MANUFACTURER* & MODEL # ACCESSORIES REMARK ACCESSORIES REMARK ACCESSORIES REMARK ACCESSORIES ALTERNATE MANUFACTURERS:								HEATI	NG COIL			ELECT	RICAL				
MARK SERVICE TYPE CFM SENSIBLE MBH E.W.T. (°F) L.W.T. (°F) FLUID GPM MAX. WTR. P.D. (FT.) WATTS) VOLT PHASE & MODEL # ACCESSORIES REMARK WATTS W									MΔNI IFΔCTI IRER*								
ALTERNATE MANUFACTURERS:		MARK	SERVICE	TYPE	CFM		E.W.T. (°F)		FLUID	GPM			VOLT	PHASE		ACCESSORIES	REMARKS
		UH-1	STORAGE	SUSPENDED	370	16.2	180	140	WATER	1.7	5	1/25	120	1	MODINE HSB 24	-	A,B
* BEACON MORRIS, TRANE, STERLING, MODINE, SIGMA, VULCAN	AL	TERNAT	E MANUFA	CTURERS:													
	* BEACON MORRIS, TRANE, STERLING, MODINE, SIGMA, VULCAR																
A: PROVIDE WITH UNIT MOUNTED THERMOSTAT.		A:	PROVIDE W	ITH UNIT MOUNT	ED THERM	OSTAT.											

	PLUMBING FIXTURE SCHEDULE									
SYMBOL	DL TYPE A.D.A. FINISH MANUFACTURER* FAUCET TRIM MFR.* & GPM/GPF ACCESSORIES REMARKS									
P1	KITCHEN SINK YES STAINLESS ELKAY LUSTERTONE ELUHAD281650 KOHLER K-7506 1.5 STRAINER -									
MANUFAC	TURERS:									
FIXTURE:	AMERICAN STAN	DARD, UNIVERS	AL RUNDLE, FI	AT STERN WILLIAMS						
FAUCET:	SPEAKMAN, DELT	ΓΑ, AMERICAN S	TANDARD, CHI	CAGO						
DRAIN: SIOUX CHIEF, ZURN, JOSAM, WADE, JR SMITH										

		GRILLE	E, REG	ISTER	R, DIFFUSER	& LOUVER	SCHEDULE	
MARK	SERVICE	PATTERN	FINISH	FACE SIZE	FRAME/ MOUNTING TYPE	MANUFACTURER* & MODEL#	ACCESSORIES	REMARKS
(A)	SUPPLY	SINGLE DEFL.	WHITE	RE: PLANS	DUCT MOUNTED	PRICE 20	OPPOSED BLADE DAMPER	A,B
B	EXHAUST	0° DEFL.	WHITE	RE: PLANS	DUCT MOUNTED	PRICE 500	OPPOSED BLADE DAMPER	А,В
©	INTAKE LOUVER	FIXED	RE: ARCH	RE: PLANS	WALL MOUNTED	GREENHECK ESD-435	INSECT SCREEN	C,D
LTERNA	TE MANUFACTUR	RERS:						
*		RUEGER, METALA						
A:	CONTRACTOR SH FOR MORE INFOR		PROPER MAR	RGIN STYLE T	O MATCH CEILING/WALL C	CONSTRUCTION UNLESS O	THERWISE NOTED. REFE	R TO ARCHITECTURAL PLAN
B:	PROVIDE REMOT	E ACCESS BALAN	CE DAMPER	WHEN LOCAT	ED OVER HARD CEILING.			
C:	EXTERIOR LOUVE	ERS SHALL BE PO	WDER COATE	ED TO MATCH	ADJACENT WALL COLOR	(FINAL SELECTION BY ARC	CHITECT).	
C:					I ADJACENT WALL COLOR C PRESSURE DROP AT SC	,	CHITECT).	



UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN
RENO BUILDING 16
3844 & 3854 W. PRINCETON CIR
DENVER, COLORADO 80202
STATE PROJECT NO: 22-106819





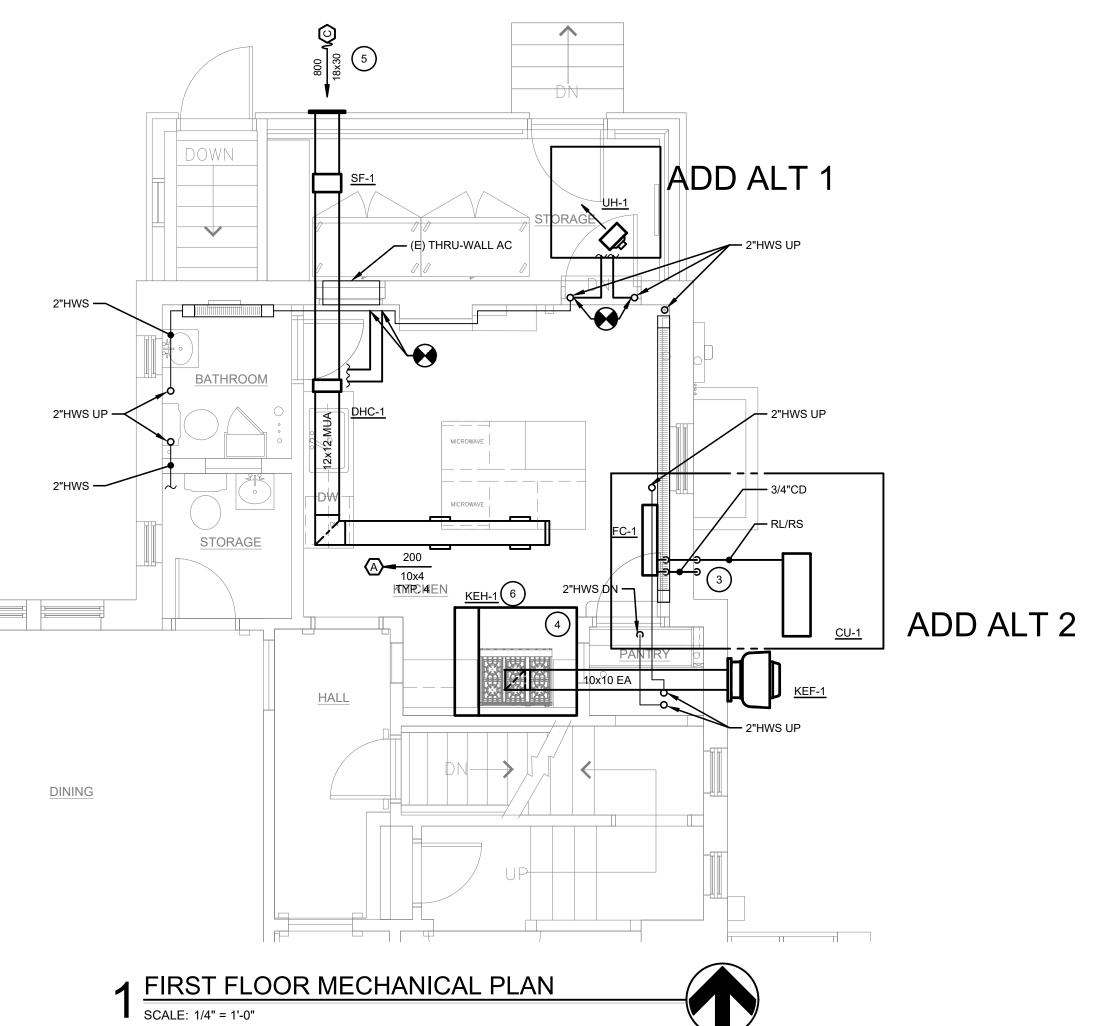


DATE 02-15-22	DESCRIPTION 95% CONSTRUCTION DOCUMENTS
04-12-22	100% CD FOR CONSTRUCTION

DRAWN BY: JAC CHECKED BY: VJF
PROJECT: 2134FL INITIAL DATE: DEC 21

MECHANICAL SCHEDULES

1-001



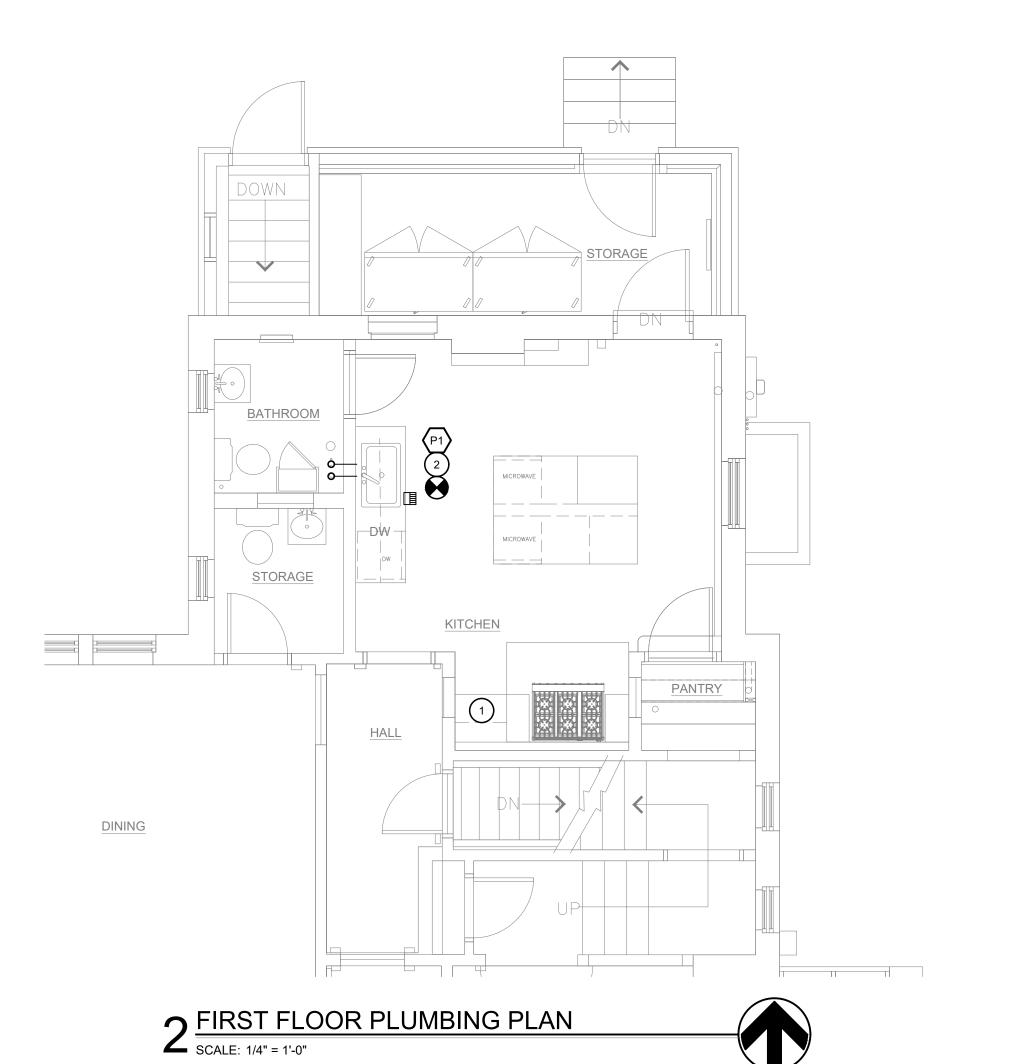
MECHANICAL NOTES: 1. RE: M200 SERIES FOR MECHANICAL DIAGRAMS. 2. MAINTAIN MIN. 3 FT BETWEEN ENVIRONMENTAL EXH TERMINATIONS AND OPENINGS INTO BUILDING. 3. ALL BRANCH HEATING WATER PIPING TO UNIT HEATERS AND DUCT HEATING COILS SHALL BE 3/4" U.N.O. 4. REFER TO THE PLUMBING FIXTURE CONNECTION SCHEDULE FOR PIPE SIZES TO INDIVIDUAL FIXTURES. EXPOSED SOIL OR WASTE PIPING SHALL NOT BE INSTALLED ABOVE ANY WORKING, STORAGE, OR EATING SURFACES IN FOOD SERVICE ESTABLISHMENTS. 6. CONDENSATE LINES - MUST STAND OFF OF THE WALL NO LESS THAN ONE HALF OF AN INCH TO FACILITATE CLEANING OR BE SEALED TO THE WALL. 7. ALL DUCTWORK SHALL BE PAINTLOCK. COORDINATE FINISH WITH ARCHITECT.

- FLAG NOTES: PROVIDE 3/4" NATURAL GAS STUB FOR CONNECTION TO NEW GAS RANGE. INSTALL ALL PIPING AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTALLATION
 INSTRUCTIONS. CONNECT GAS PIPING TO EXISTING PIPING LOCATED IN BASEMENT. 20' OF PIPING WILL BE REQUIRED.
- CONNECT NEW SINK TO EXISTING CW, HW, SAN AND V PIPING. PROVIDE GREASE INTERCEPTOR EQUAL TO ZURN GT2700-4. LOCATE IN ADJACENT BASE CABINET.
- TERMINATE CONDENSATE PIPING WITH A DOWNTURNED ELBOW 18" ABOVE GRADE.
- 4. CONNECT DUCTWORK TO <u>KEH-1</u> IN ACCORDANCE WITH HOOD MANUFACTURERS GUIDELINES. SLOPE DUCTWORK AND INCLUDE CLEANOUTS PER IMC.
- 5. INSTALL INTAKE LOUVER TO ALIGN WITH DUCT COMING IN THROUGH EXISTING WINDOW OPENING ON BUILDING.
- INSTALL HOOD WITH APPROPRIATE CLEARANCE AND ACCESS FOR THE ELECTRICAL PANEL, ANSUL SYSTEM AND CONTROLS.



UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN **RENO BUILDING 16** 3844 & 3854 W. PRINCETON CIR DENVER, COLORADO 80202 STATE PROJECT NO: 22-106819







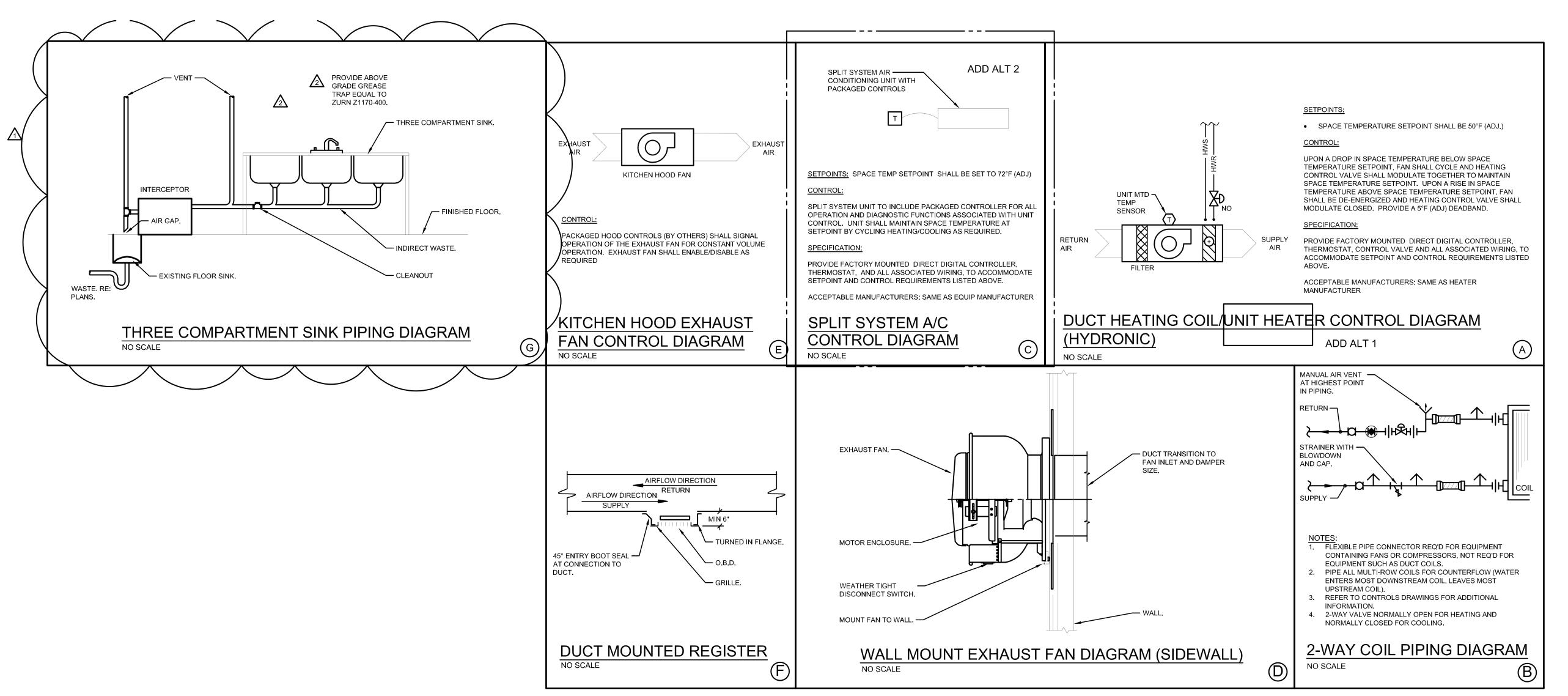


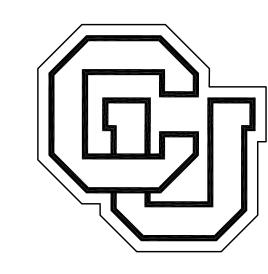
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CHECKED BY: VJF INITIAL DATE: DEC 21 PROJECT: 2134FL

MECHANICAL AND PLUMBING SHEET M-101

KEY PLAN





UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN
RENO BUILDING 16
3844 & 3854 W. PRINCETON CIR
DENVER, COLORADO 80202
STATE PROJECT NO: 22-106819





4-12-22	100% CD FOR CONSTRUCTION
6-17-22	CODE REVIEW COMMENTS

PROJECT: 2134FL INITIAL DATE: DEC 21	DRAWN BY:	JAC	CHECKED BY: VJF
	PROJECT:	2134FL	INITIAL DATE: DEC 21

MECHANICAL DIAGRAMS

M-201

	*ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY										
HANGIN	ANGLE	DETAIL	S								
HOOD STYLE / MODEL	450 DEGREES cfm/ft.	600 DEGREES cfm/ft.	700 DEGREES cfm/ft.								
CANOPY ND2	150	200	250								
WITH END PANELS (15% reduction)	127.5	170	212.5								
SLOPED SND-2	228	294	-								
ISLAND ND-2WI	269	300	350								
NDI	346	422	475								

ETL HOOD LISTING DETAIL EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)

DUCT DEPTH CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST **CALCULATIONS UTILIZED**

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH: #3054804-001 #3054804-002

sted under ETL File number 3054804-001/002

BUILDING CODES

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS: MATERIAL CLEARANCE REDUCTION SYSTEM

3" UNINSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

INSTALLATION

- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
- ALL CONNECTIONS FROM CAPTIVE—AIRE DUCT PER MECHANICAL CONTRACTORS'S PLANS. . COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
- . EXHAUST FANS TO TURN ON IN EVENT OF FIRE. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTIVE—AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
- . LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS SEISMIC RESTAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.

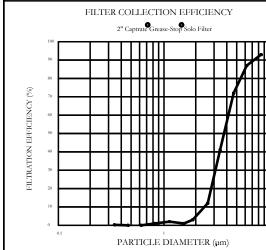
13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

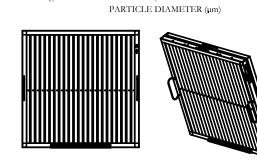
12. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.

11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.

SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES





CaptiveAire Captrate Solo Filter ETL Listed Grease Extracting Filters Made From 430 Stainless Steel

FILTER DETAIL

<u>HOOD INFORMATION - JOB#5312025</u>

					I MAX I								UST PL					HOOD C	ONFIG
HOOD	TAG	MODEL	MANUFACTURER	LENGTH	COOKING	TYPE	APPLIANCE	DESIGN	TOTAL			F	RISER(S	5)			HOOD	END TO	1 1
NO	170	MODEL	MANOI ACTORER	LLNOTTI	TEMP	1111	DUTY	CFM/FT	EXH CFM	WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	CONSTRUCTION	END	ROW
1		5424	CAPTIVEAIRE	4' 0"	600		ПΕΛΙΛΛ	225	000			4"	10"	900	1650	0 551"	430 SS	ALONE	AL ONE
l I		ND-2	CAPTIVEAIRE	4 0	DEG	ı	HEAVY	225	900			4	10	900	1650	-0.551"	WHERE EXPOSED	ALONE	ALONE
שחחו	11/1	ΟΡΜΑΤΙΟΝ	T																

<u>HOOD INFORMATION</u> HOOD TY HEIGHT LENGTH EFFICIENCY @ 7 MICRONS Q TYPE LOCATION SIZE TYPE SIZE 85% SEE FILTER SPEC CAPTRATE SOLO FILTER 20" 20" RECESSED ROUND RIGHT 12"x54"x24" TANK FS 4.0

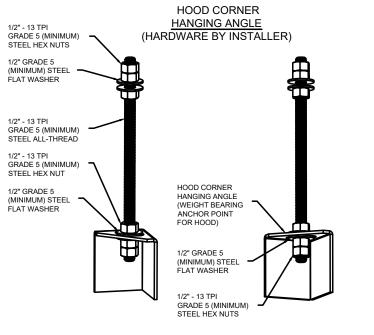
HOOD OPTIONS

IIUUD	<u>' UP I</u>	10113
HOOD NO	TAG	OPTION
		LEFT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
_		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
'		INSULATION FOR TOP OF HOOD.
	- +	INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.

FIDE CVCTEN INFODMATION IND || 5949095

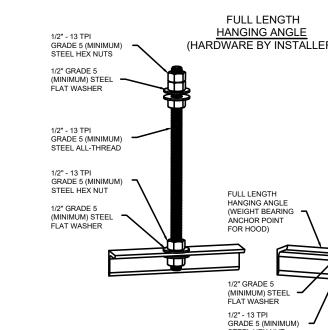
<u> FIRL</u>	<u> </u>	<u>EM INFURMATIO</u>	<u> </u>			
FIRE			"	FLOW	INSTALLATION	
SYSTEM NO	TAG	TYPE	SIZE	POINTS	SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0	8	FIRE CABINET RIGHT	RIGHT, HOOD 1

GAS VALVE(S) SYSTEM TAG SIZE TYPE SUPPLIED BY SC ELECTRICAL 0.750 CAPTIVEAIRE SYSTEMS

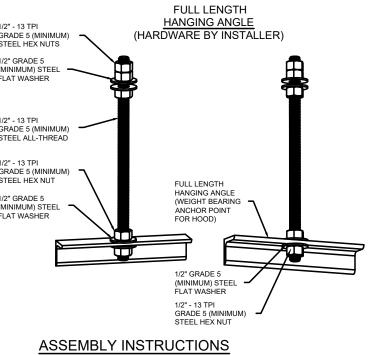


ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57



(MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57



HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5



UNIVERSITY OF

ANSCHUTZ

ARTS FT. LOGAN **RENO BUILDING 16**

COLORADO DENVER

3844 & 3854 W. PRINCETON CIR

STATE PROJECT NO: 22-106819

DENVER, COLORADO 80202



DATE: 2/4/2022 5312025

EN

DRAWN BY: MAR-42

3/4" = 1'-0"**MASTER DRAWING**

SCALE:

SHEET NO.

REVISIONS

ARCHITECTURAL WORKSHOP . DENVER COLORADO

DATE	DESCRIPTION
02-15-22	95% CONSTRUCTION DOCUMENTS
04-12-22	100% CD FOR CONSTRUCTION

DRAWN BY: JAC CHECKED BY: VJF PROJECT: 2134FL INITIAL DATE: DEC 21

MECHANICAL DIAGRAMS

FOR QUESTIONS, CALL THE COLORADO REGIONAL SALES OFFICE 7300 S. Alton Way, #5B, Centennial, CO 80112 PHONE: (720) 570-0981 FAX: (919) 227-5999

*** NOTE *** ALL WALLS AND STRUCTURES THAT COME WITHIN 18" OF HOOD MUST BE METAL STUDS AND SHEETROCK. WOOD STUDS OR ANY OTHER **COMBUSTIBLE MATERIAL WITHIN 18"**

OF HOOD NOT ALLOWED

*** NOTE ***

HOOD MANUFACTURER RECOMMENDS NO RETURNS OR 4-WAY DIFFUSERS WITHIN 10 FEET OF HOOD IN ALL DIRECTIONS.

*** NOTE ***

MAKE-UP AIR SHALL BE || DELIVERED INTO SPACE || IN MANNER THAT WILL NOT DISRUPT HOODS ABILITY TO CAPTURE AND CONTAIN. System Design Verification (SDV)

GRADE 5 (MINIMUI STEEL HEX NUTS

GRADE 5 (MINIMUM) STEEL ALL-THREAD

STEEL HEX NUT

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5

DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS.

BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

(MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING

ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS

AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE

SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP

HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH

1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHER

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

FIRE HOOD

SYSTEM HANGING

PIPING WEIGHT

LBS

YES

ELECTRICAL

MODEL#

DCV-1111

QUANTITY

1 LIGHT

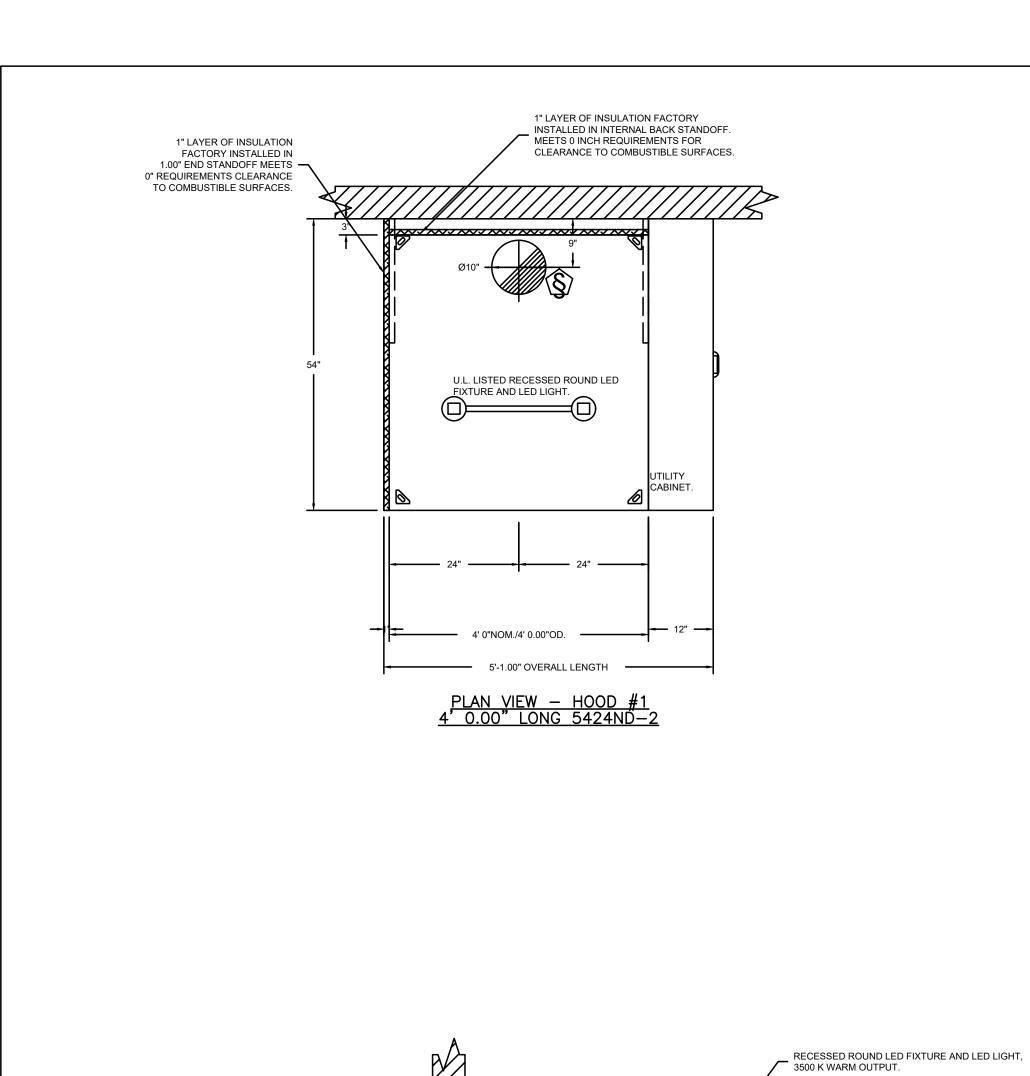
1 FAN

SUPPLY PLENUM

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and

billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.



EXHAUST RISER. —

HANGING ANGLE. -

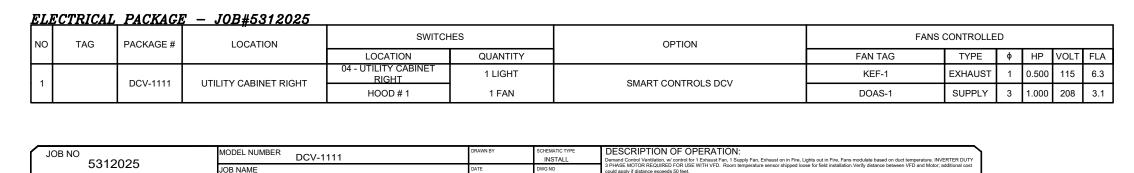
20" CAPTRATE SOLO FILTER WITH HOOK.

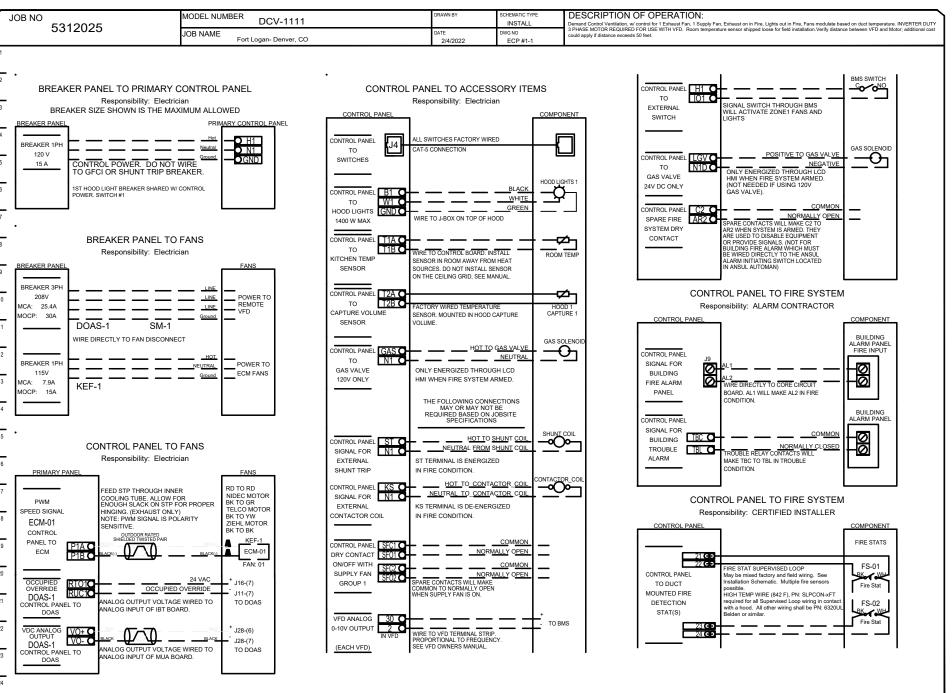
IT IS THE RESPONSIBILITY

FROM LIMITED-COMBUSTIBLE

GREASE DRAIN _ WITH REMOVABLE CUP.

LOCAL CODE REQUIREMENTS.





MAKE-UP AIR SHALL BE

DOAS.

1" LAYER OF INSULATION FACTORY INSTALLED

REQUIREMENTS FOR CLEARANCE TO COMBUSTIBLE

24" NOM.

ON TOP OF HOOD, MEETS 0 INCH

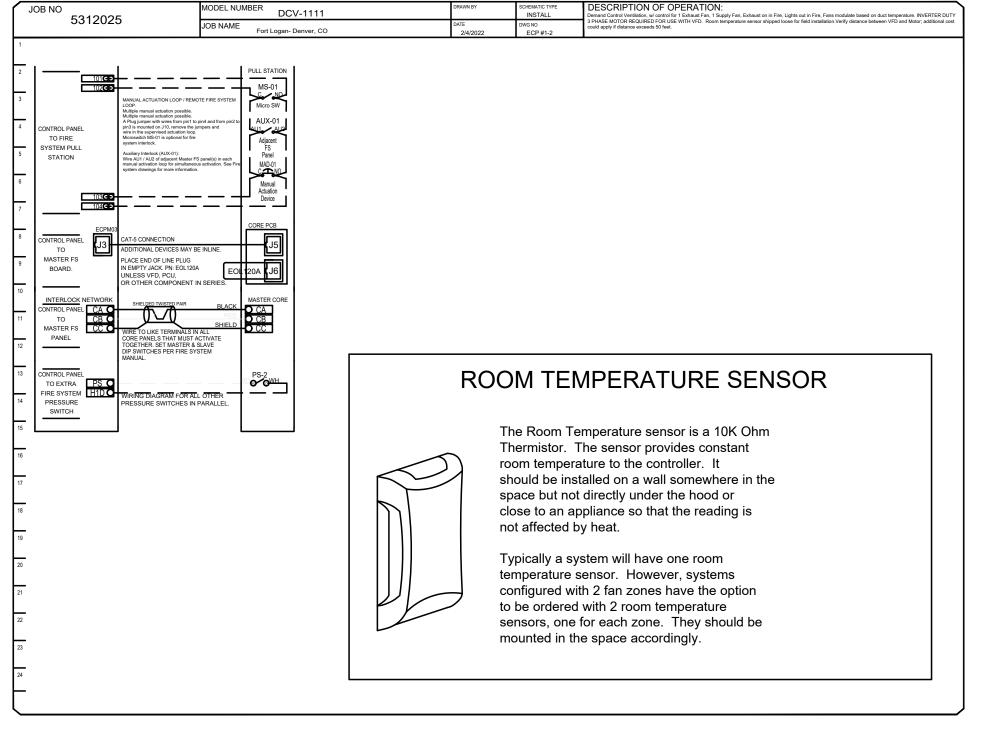
48.0" MAX.

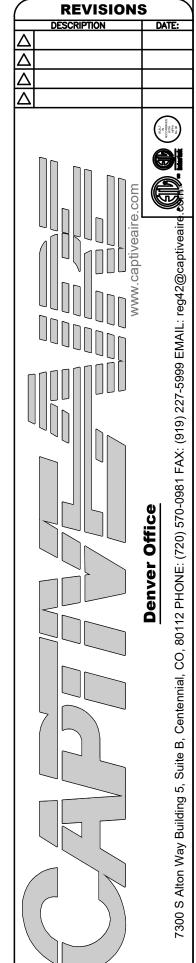
EQUIPMENT BY OTHERS.

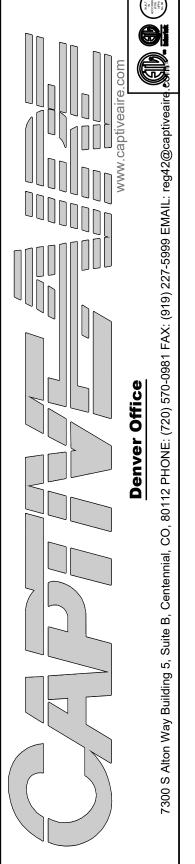
SECTION VIEW - MODEL 5424ND-2 HOOD - #1

PROVIDED BY INLINE FAN AND

|| DUCT HEATING COIL, NOT A







00

Denver,

80220

CO,

DATE: 2/4/2022

DRAWN BY: MAR-42

DWG.#: 5312025

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

MASTER DRAWING

SHEET NO.



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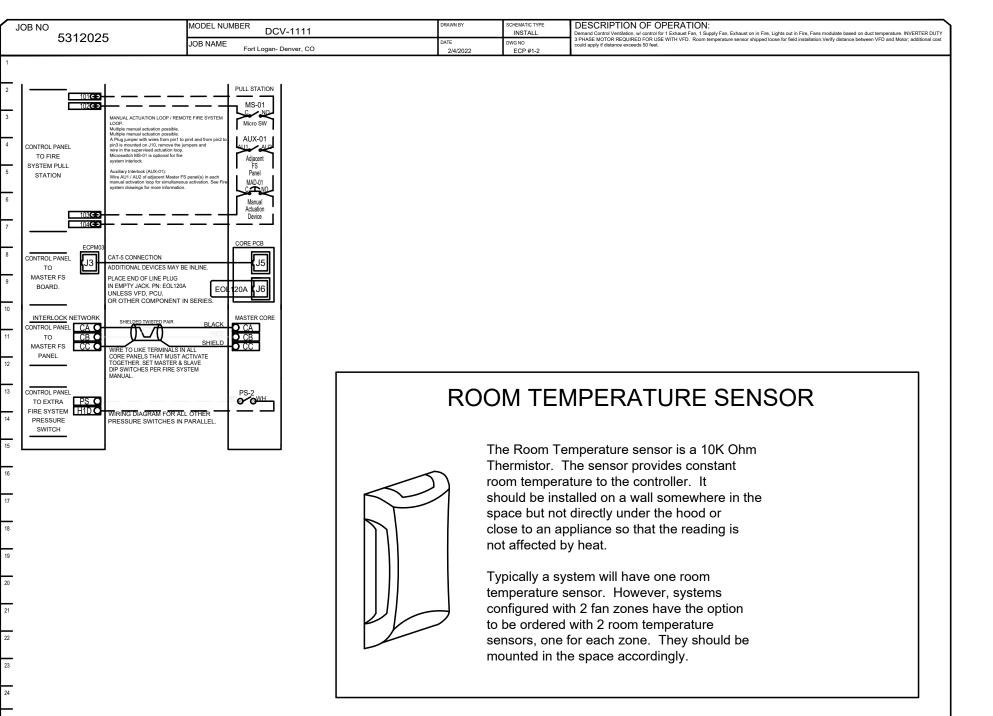




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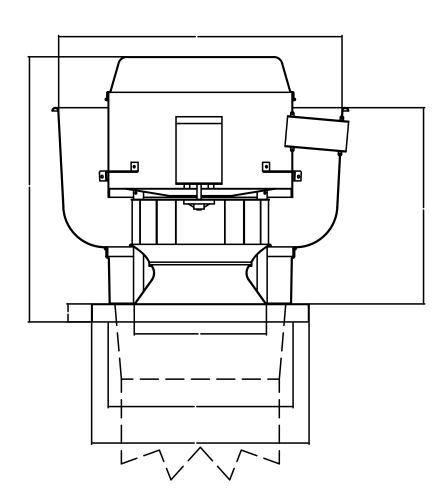
MECHANICAL DIAGRAMS



<i>FAN</i>	OPTIONS	3

FAN UNIT NO	TAG	QTY	DESCRIPTION				DESCRIPTION ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS WALLMOUNT 20.5" SQ. X 2"	
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION					
	KEF-1	1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS					
		1	WALLMOUNT 20.5" SQ. X 2"					
'		1	WALL MOUNT CONSTRUCTION FOR FAN					
		1	SHIP LOOSE DISCONNECT FOR REMOTE MOUNT					
		1	2 YEAR PARTS WARRANTY					

FAN #1 DU50HFA - EXHAUST FAN (KEF-1)



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). - ROOF MOUNTED FANS. - RESTAURANT MODEL. - UL705 - VARIABLE SPEED CONTROL. - INTERNAL WIRING. - THERMAL OVERLOAD PROTECTION (SINGLE PHASE). - HIGH HEAT OPERATION 300°F (149°C).

- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

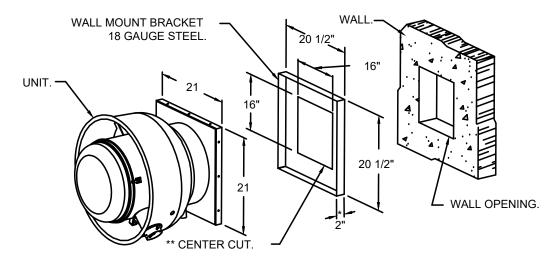
ECM WIRING PACKAGE - PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION.

FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.

WALLMOUNT 20.5" SQ. X 2".

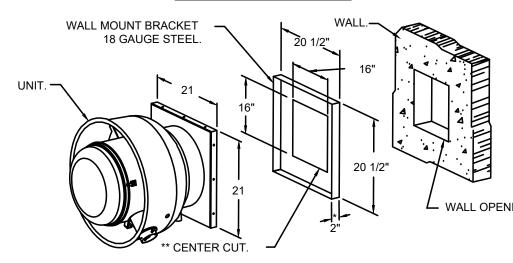
WALL MOUNT CONSTRUCTION FOR FAN.
SHIP LOOSE DISCONNECT FOR REMOTE MOUNT.

WALL MOUNT BRACKET



- WALL BRACKET FITS INTO BASE OF FAN. - SELF DRILLING SCREWS SHOULD BE USED FOR UNIT ATTACHMENT TO WALL MOUNT BRACKET.

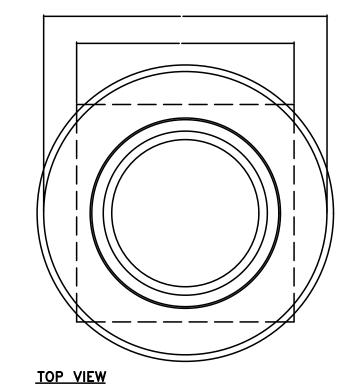
MOUNT. 2 YEAR PARTS WARRANTY.

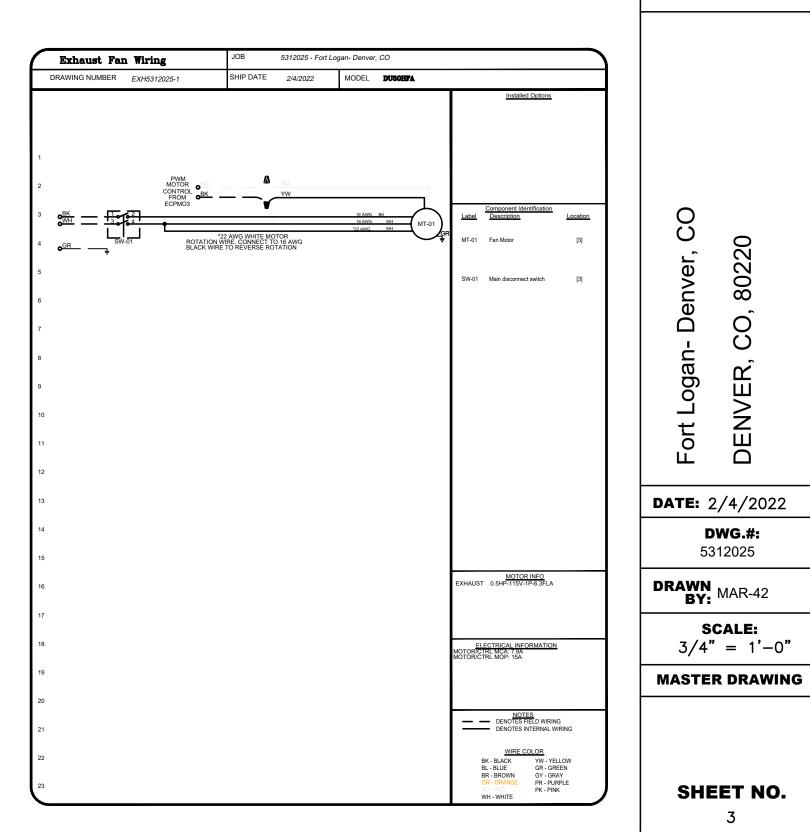


* DIMENSION = 5" WHEN USED WITH DAMPER. ** CENTERED IN WALL MOUNT.

FAN ACCESSORIES

FAN UNIT	TAG		EXHAUST			SUPPLY		
NO	IAG	GREASE CUP	_	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1			YES				







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ARTS FT. LOGAN **RENO BUILDING 16**

COLORADO DENVER

3844 & 3854 W. PRINCETON CIR

STATE PROJECT NO: 22-106819

DENVER, COLORADO 80202

REVISIONS

DESCRIPTION DATE:

, CO, 80220

5312025

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

SHEET NO.





DATE	DESCRIPTION
02-15-22	95% CONSTRUCTION DOCUMENTS
04-12-22	100% CD FOR CONSTRUCTION

DRAWN BY: JAC CHECKED BY: VJF INITIAL DATE: DEC 21 PROJECT: 2134FL

MECHANICAL DIAGRAMS

GENERAL NOTES:

FT SPRINKLER SYSTEM TAMPER SWITCH

FSD FIRE/SMOKE DAMPER

LT LOW TEMPERATURE SENSOR

1. THESE DRAWING NOTES ACCOMPANY THE CONSTRUCTION DOCUMENT SPECIFICATIONS.

- 2. DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS ON ARCHITECTURAL DRAWINGS AND IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- 3. VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID COSTS REQUIRED
- 4. REVIEW MECHANICAL, AND OTHER DRAWINGS PRIOR TO BID.
- 5. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.

TO MAKE HIS WORK MEET EXISTING CONDITIONS.

- 6. WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE OF COLORADO, NATIONAL AND LIFE SAFETY
- 7. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.
- 8. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION
- 9. LABEL COVER OF EACH DEVICE WITH SOURCE PANEL AND BRANCH CIRCUIT NUMBER WITH DYMO MARKER.
- 10. FINAL CONNECTIONS TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND
- 11. ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A NYLON PULLSTRING OR EQUAL, AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION, AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
- 12. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION PRIOR TO INSTALLATION.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION, OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.
- 14. WIRE TERMINATION PROVISIONS FOR PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES, AND ALL OTHER ELECTRICAL APPARATUS SHALL BE LISTED AS SUITABLE FOR 75 DEGREE CELSIUS.
- 15. PULLBOXES, CABINETS, ETC. MOUNTED ON THE EXTERIOR AT GRADE LEVEL, SHALL BE WEATHERPROOF TYPE WITH HINGED LOCKABLE
- 16. ELECTRICAL CONTRACTOR SHALL RECYCLE ALL FLUORESCENT LAMPS FROM LIGHT FIXTURES REMOVED AS PART OF PROJECT. PROVIDE DOCUMENTATION OF RECYCLING EFFORT TO UCD PROJECT MANAGER.

ELECTRICAL SHEET INDEX

ELECTRICAL COVER SHEET

POWER & LIGHTING PLAN

ELECTRICAL DEMOLITION PLAN

ELECTRICAL ONE-LINE AND SCHEDULES

LIGHTING COMCHECK

E-001

E-101

ISSUE LOG KEY:

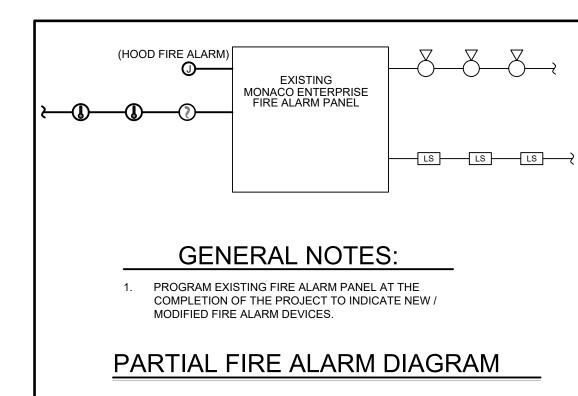
 $\sqrt{\ }$ ISSUED AS PART OF A SET ' NOT PART OF SET

'*' ISSUED FOR INFORMATION ONLY

TITLE

	IGH	ITING FIXTURE SYMBOLS
		RECESSED LIGHTING FIXTURE
<u> </u>		DIRECTIONAL/ADJUSTABLE RECESSED LIGHTING FIXTURE
$\mid \mid \rightarrow$	~	SURFACE MOUNTED LIGHT
-	~	PENDANT MOUNTED LIGHT
	$\overline{\Psi}$	
	<u> </u>	WALL MOUNTED LIGHT
	Н	WALL MOUNTED UP-LIGHT
<u> </u>	<u></u>	MONO-POINT LIGHTING FIXTURE
<u> </u>	Ф	RECESSED STEP LIGHT
_	\rightarrow	FLUORESCENT STRIP LIGHT
	亞	WALL MOUNTED LINEAR FLUORESCENT LIGHT
		RECESSED OR SURFACE MOUNTED FLUORESCENT TROFFER
	//////	FIXTURE WITH EMERGENCY BACKUP OR ON EM CIRCUIT
	⊗	CEILING MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN
	⊗H	WALL MOUNTED EXIT SIGN W/ FACES & ARROWS AS SHOWN
	1 8H	WALL MOUNTED COMBO EXIT SIGN/ EGRESS LIGHT
-	<u>v-</u>	EMERGENCY LIGHTS
 -		EXTERIOR POLE MOUNTED LIGHT
	<u>ම</u>	EXTERIOR POST (BOLLARD) MOUNTED LIGHT
=	/ ///////////////////////////////////	CEILING FAN
<u>8</u>	000	CEILING FAN WITH LIGHT
<i>**</i>		CLILING FAIN WITH LIGHT
		ITING CONTROL OVARDOLO
-		ITING CONTROL SYMBOLS
l —	Ψ	WALL MOUNTED SWITCH
<u> </u>	Ψ	THREE-WAY SWITCH
l	Ψ	FOUR-WAY SWITCH
	ð	DOOR JAMB SWITCH
	Ψ	KEY SWITCH
	\$ ^D	DIMMER SWITCH
\dashv $\mathrel{\prec}$	> xx	WALL MOUNTED DEVICE
\perp	>)))	WIRELESS WALL MOUNTED DEVICE
	RA	ROOM CONTROLLER
l L	_	
 		PLUG LOAD CONTROLLER
	RL	PLUG LOAD CONTROLLER OCCUPANCY/VACANCY PROGRAMMED SENSOR - CEILING MOUNTED
	RL	
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ISSUE LOG



ELECTRICAL SYSTEMS LEGEND

POWER SYMBOLS SINGLE RECEPTACLE - WALL MOUNTED

DUPLEX RECEPTACLE - WALL MOUNTED

SREE DUPLEX RECEPTACLE WITH USB PORTS - WALL MOUNTED

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - WALL MOUNTED

QUADPLEX RECEPTACLE - WALL MOUNTED

DUPLEX RECEPTACLE; GFCI - WALL MOUNTED

DUPLEX RECEPTACLE; HALF SWITCHED - WALL MOUNTED

DUPLEX RECEPTACLE; ISOLATED GROUND - WALL MOUNTED DUPLEX RECEPTACLE; HALF DIMMED - WALL MOUNTED

DUPLEX RECEPTACLE; FULL DIMMED - WALL MOUNTED

SPECIAL OUTLET AS NOTED - WALL MOUNTED

DUPLEX RECEPTACLE - CEILING MOUNTED; TYP. ALL TYPES

FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE; TYP. ALL TYPES FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE AND TELECOM

JH JUNCTION BOX - WALL MOUNTED

JUNCTION BOX - FLUSH FLOOR MOUNTED

JUNCTION BOX - CEILING MOUNTED

MULTI-OUTLET PLUG STRIP

POWER/TELECOM POLE MECHANICAL EQUIPMENT POWER CONNECTION

- KITCHEN EQUIPMENT POWER CONNECTION

POOL EQUIPMENT POWER CONNECTION

TS TIMER SWITCH

FUSED DISCONNECT

NON FUSED DISCONNECT

MOTOR STARTER CB ENCLOSED CIRCUIT BREAKER

PB PULL BOX

PUSH BUTTON

TC TIME CLOCK PHOTO-CELL

T TRANSFORMER

PANELBOARD OR LOADCENTER C CONTACTOR

✓ ELECTRIC MOTOR

METER

THERMOSTAT

ATS AUTOMATIC TRANSFER SWITCH

CIRCUIT HOMERUN ---- CONDUIT RUN

— — CONDUIT RUN BELOW GRADE

CONDUIT UP

CONDUIT DOWN

\$ SWITCH

\$^T THERMAL OVERLOAD SWITCH \$ VARIABLE SPEED SWITCH

\$^K KEY SWITCH

ONE-LINE DIAGRAM SYMBOLS

DISCONNECT SWITCH

T FUSE

POTENTIAL TRANSFORMER

SELECTOR SWITCH

NORMALLY OPEN CONTACT

TRANSFORMER

DISCONNECT

NORMALLY CLOSED CONTACT

SURGE PROTECTION DEVICE

GROUND FAULT PROTECTION

COLD WATER GROUND CONNECTION

AUTOMATIC TRANSFER SWITCH

BUILDING STEEL GROUND CONNECTION

CIRCUIT BREAKER CURRENT TRANSFORMER

METER

VOLT-METER

AMP-METER

SHUNT TRIP

GROUND

 (\lor)

=

POWER/TELECOM POLE

WIRELESS LAN (WI-FI) ACCESS POINT OUTLET

MULTI-OUTLET WIREWAY

ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY USED. ABBREVIATIONS AFC - ABOVE FINISHED CEILING AFF - ABOVE FINISHED FLOOR AFG - ABOVE FINISHED GRADE AHJ - AUTHORITY HAVING JURISDICTION AL - ALUMINUM AP - ACCESS POINT AWG - AMERICAN WIRE GAUGE BAS - BUILDING AUTOMATION SYSTEM BFG - BELOW FINISH GRADE BMS - BUILDING MANAGEMENT SYSTEM C - CONDUIT CATV - COMMUNITY (CABLE) ANTENNA TELEVISION SYSTEM CCTV - CLOSED CIRCUIT TELEVISION CKT - CIRCUIT CPU - CENTRAL PROCESSING UNIT CT - CURRENT TRANSFORMER DISP - GARBAGE DISPOSAL DW - DISHWASHER (E) - EXISTING EM - EMERGENCY EWC - ELECTRIC WATER COOLER FA - FIRE ALARM FACP - FIRE ALARM CONTROL PANEL FBO - FURNISHED BY OTHERS GC - GENERAL CONTRACTOR GFI - GROUND FAULT CIRCUIT INTERRUPTER GRD - GROUND IAW - IN ACCORDANCE WITH IC - INTERMEDIATE CROSS-CONNECT IDF - INTERMEDIATE DISTRIBUTION FRAME IG - ISOLATED GROUND IR - INFRARED LAN - LOCAL AREA NETWORK MDF - MAIN DISTRIBUTION FRAME (N) - NEW NIC - NOT IN CONTRACT NL - NIGHT LIGHT NTS - NOT TO SCALE OC - ON CENTER PA - PUBLIC ADDRESS REF - REFRIGERATOR SPD - SURGE PROTECTION DEVICE - TAMPER RESISTANT TTB - TELECOMMUNICATIONS TERMINAL BOARD TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSOR TVTB - TELEVISION TERMINAL BOARD UG - UNDERGROUND UNO - UNLESS NOTED OTHERWISE V - VOLT W - WATT WAN - WIDE AREA NETWORK WAP - WIRELESS ACCESS POINT

WLAN - WIRELESS LOCAL AREA NETWORK

+18" - MOUNTING HEIGHT TO CENTERLINE OF

LIGHT LINEWEIGHT INDICATES EXISTING.

'C' ADJACENT TO A DEVICE INDICATES

MOUNTING ABOVE COUNTERTOP.

DEVICE ABOVE FINISH FLOOR (VERIFY W/ ARCH ELEVS)

HATCHED AREAS INDICATE DEMOLITION.

WP - WEATHERPROOF

XP - EXPLOSIONPROOF

NOTES:



UNIVERSITY OF

ANSCHUTZ

ARTS FT. LOGAN

RENO BUILDING 16

3844 & 3854 W. PRINCETON CIR

DENVER, COLORADO 80202 STATE PROJECT NO: 22-106819

COLORADO DENVER

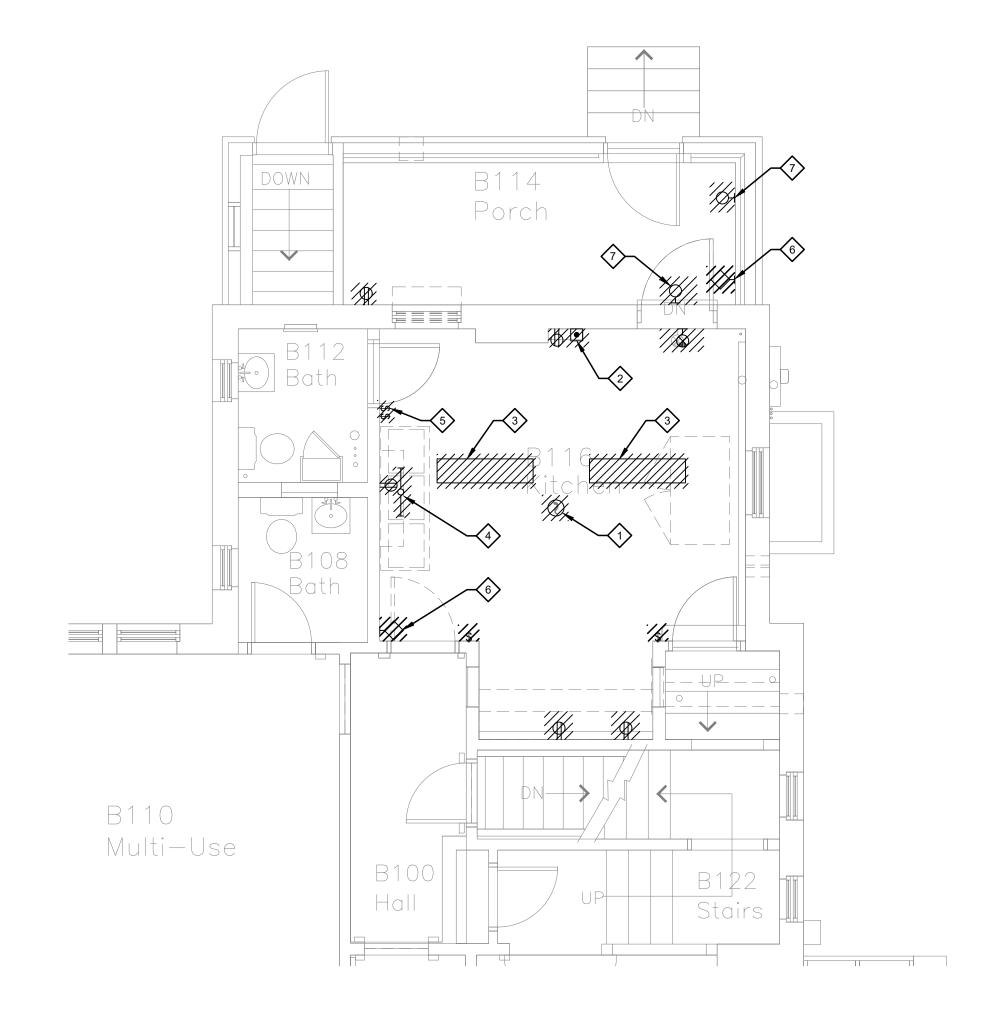




DATE	DESCRIPTION
02-15-22	95% CONSTRUCTION DOCUMENTS
04-12-22	100% CD FOR CONSTRUCTION

DRAWN BY:		CH	HECKED BY:	
PROJECT:	2134FL	IN	ITIAL DATE:	DEC 21

ELECTRICAL COVER SHEET



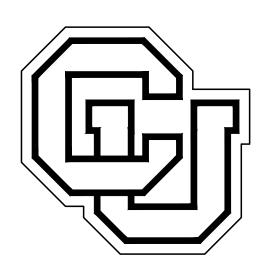


DEMOLITION NOTES:

- DEMOLITION PLAN INDICATES A DESIRED SCOPE OF WORK; THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IN FIELD PRIOR TO START OF WORK.
- 2. CONDITIONS MAY EXIST WHERE (E) CABLING AND/OR EQUIPMENT IS INSTALLED WITHIN AN AREA OF DEMOLITION THAT IS INTENDED TO REMAIN IN ORDER TO KEEP SYSTEMS OUTSIDE OF THE AREA OF DEMOLITION IN OPERABLE CONDITION. CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION AND EXERCISE CARE WHEN PERFROMING DEMOLITION AROUND SUCH CABLING AND EQUIPMENT.
- ALL SYSTEMS LOCATED OUTSIDE THE AREA OF DEMOLITION ARE INTENDED TO REMAIN OPERABLE.
- 4. FOR ALL ITEMS TO BE DEMOLISHED REMOVE CIRCUIT BACK TO POINT OF CONNECTION. MAKE BRANCH CIRCUIT WITH REMAINING DEVICES CONTINUOUS.
- 5. ELECTRICAL CONTRACTOR SHALL REMOVE ALL DEMOLISHED ITEMS FROM SITE UNLESS OWNER WISHES TO RETAIN. ITEMS REMOVED FROM SITE SHALL BE DISPOSED OF IN A LEGAL MANNER.
- 6. EVERY ATTEMPT WAS MADE TO LOCATE ALL ITEMS TO BE INCLUDED IN THE DEMOLITION SCOPE IN THIS OCCUPIED SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE A REASONABLE ALLOWANCE TO INCLUDE THE REMOVAL OF ITEMS NOT INDICATED ON THE ELECTRICAL DEMOLITION PLAN.

DEMO FLAG NOTES:

- DISCONNECT AND REMOVE CEILING MOUNTED SMOKE DETECTOR.
- DISCONNECT AND REMOVE WALL MOUNTED INTERCOM SYSTEM STATION.
- DISCONNECT AND REMOVE CEILING MOUNTED LIGHT FIXTURES AND ASSOCIATED SURFACE MOUNTED JUNCTION BOX.
- DISCONNECT AND REMOVE SURFACE MOUNTED FLUORESCENT TASK LIGHT FIXTURE ATTACHED TO BOTTOM OF SHELF.
- 5. DISCONNECT AND REMOVE TASK LIGHT AND DISPOSAL TOGGLE SWITCHES.6. DISCONNECT AND REMOVE WALL MOUNTED
- OCCUPANCY SENSOR.
- 7. DISCONNECT AND REMOVE SURFACE MOUNTED FLOOD LIGHT.



UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN
RENO BUILDING 16
3844 & 3854 W. PRINCETON CIR
DENVER, COLORADO 80202
STATE PROJECT NO: 22-106819





TE.	DESCRIPTION		
-15-22	95% CONSTRUCTION DOCUMENTS		
-12-22	100% CD FOR CONSTRUCTION		
·12-22	100% CD FOR CONSTRUCTION		

DRAWN BY:		CHECKED BY:
PROJECT:	2134FL	INITIAL DATE: D

ELECTRICAL DEMOLITION PLAN

ED-101

Report date: 02/15/22

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Project Title: UCD - Fort Logan

Data filename: C:\CU Anschutz -ARTS Fort Logan.cck

Project Title: UCD - Fort Logan

Data filename: C:\CU Anschutz -ARTS Fort Logan.cck



Signature

COMcheck Software Version 4.1.5.3 **Inspection Checklist** Energy Code: 2018 IECC Requirements: 55.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception **Plan Review** & Req.ID

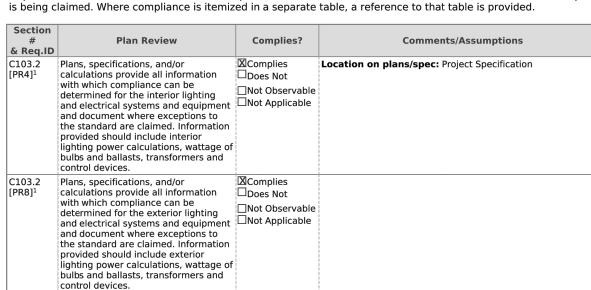
Additional Comments/Assumptions:

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Data filename: C:\CU Anschutz -ARTS Fort Logan.cck

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

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UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN **RENO BUILDING 16** 3844 & 3854 W. PRINCETON CIR DENVER, COLORADO 80202 STATE PROJECT NO: 22-106819

#	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID C405.2.2. 2 [EL22] ¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting.
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.2. 1,	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Lighting controlled by occupancy sensors. Location on plans/spec: E-101

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3. 1, C405.2.3. 2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. Location on plans/spec: E-101
C405.2.4 [EL27] ¹		□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL28] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	□Complies □Does Not □Not Observable □Not Applicable	
C405.3 [EL6] ¹		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Exception: Requirement does not apply.
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Complies □Does Not □Not Observable □Not Applicable	
C405.8.2, C405.8.2. 1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

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

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: Project Specifications

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

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Project Title: UCD - Fort Logan

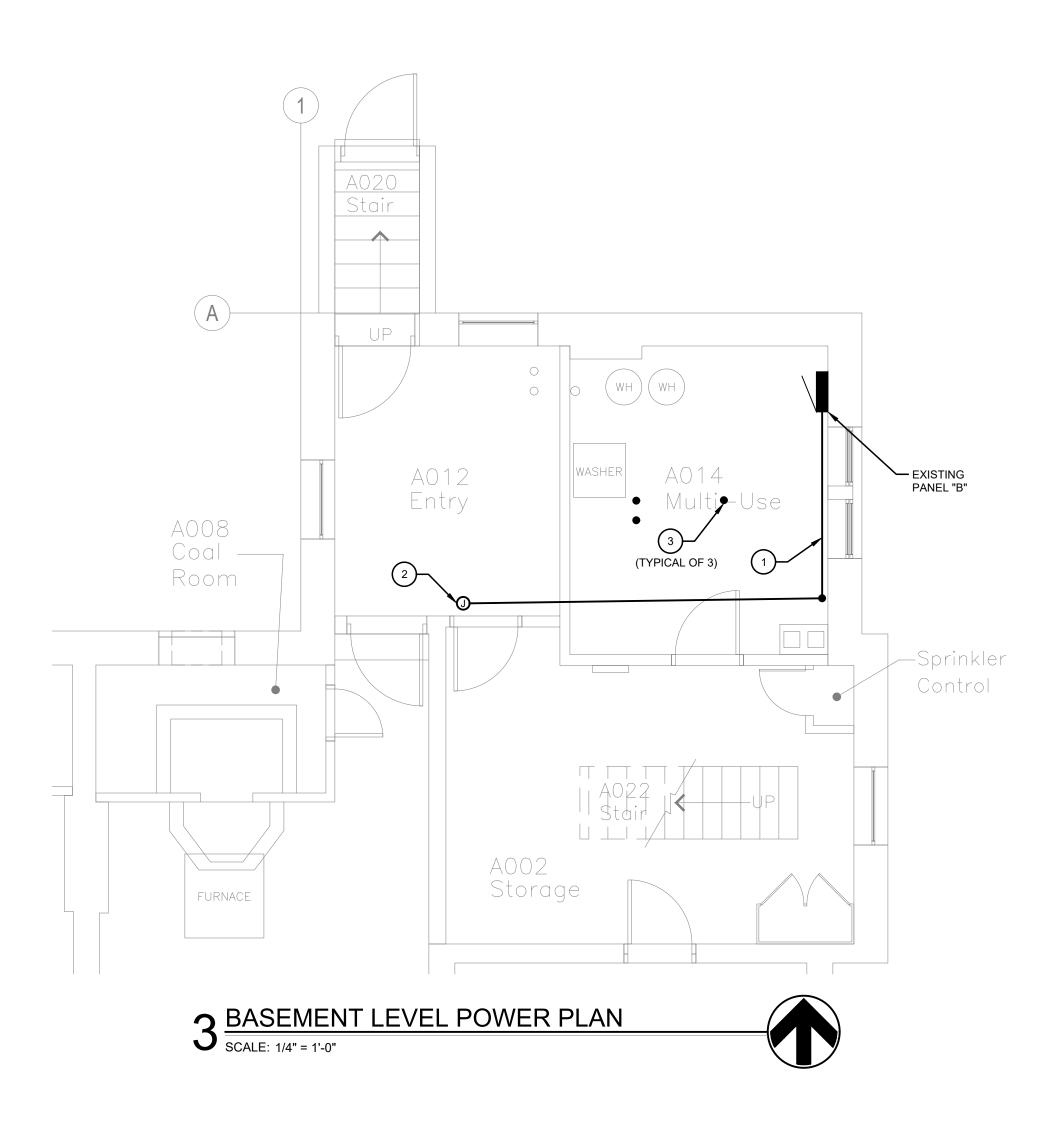
Page 5 of 7 Data filename: C:\CU Anschutz -ARTS Fort Logan.cck

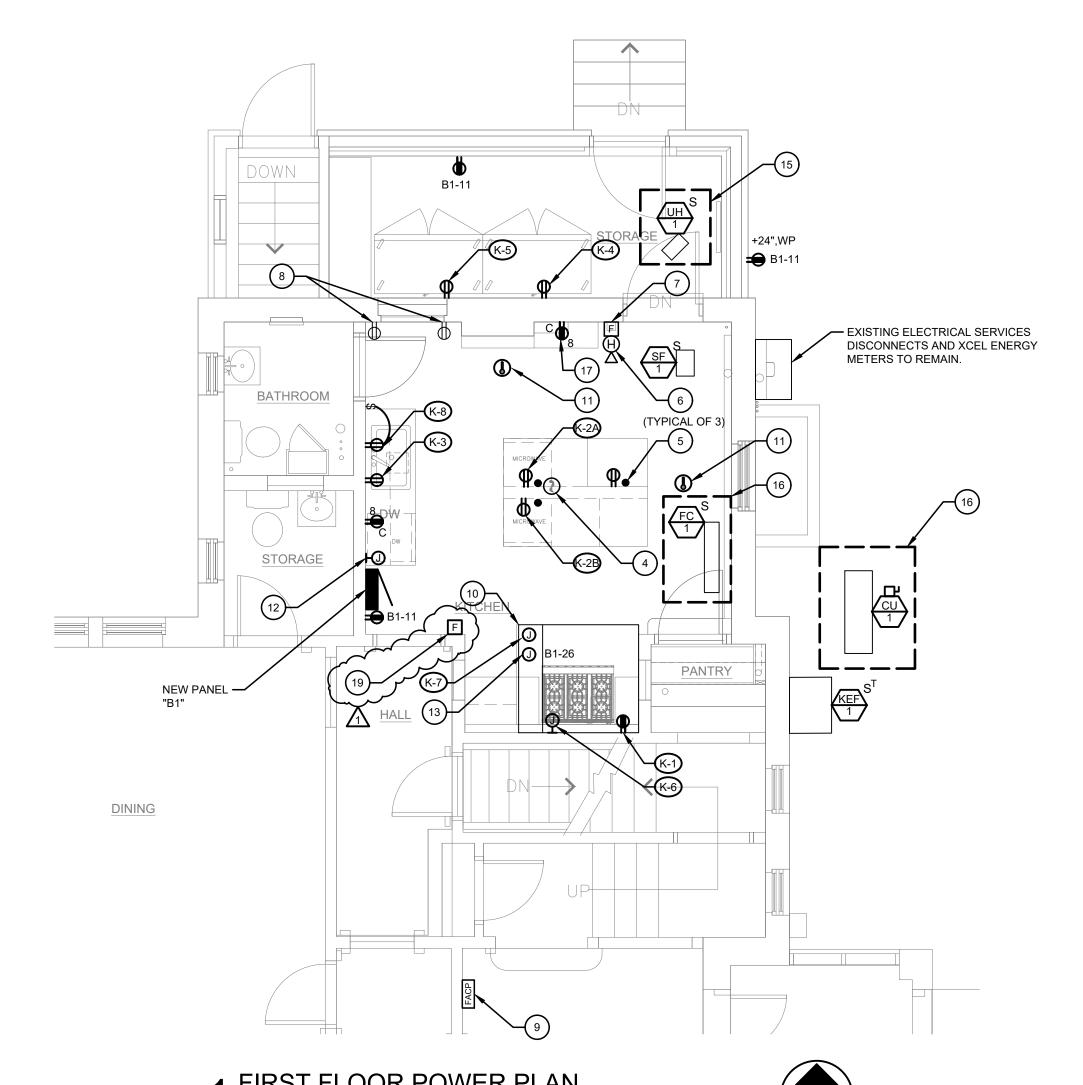
ALBUQUERQUE | AVON | DENVER | FORT COLLINS ARCHITECTURAL WORKSHOP . DENVER COLORADO

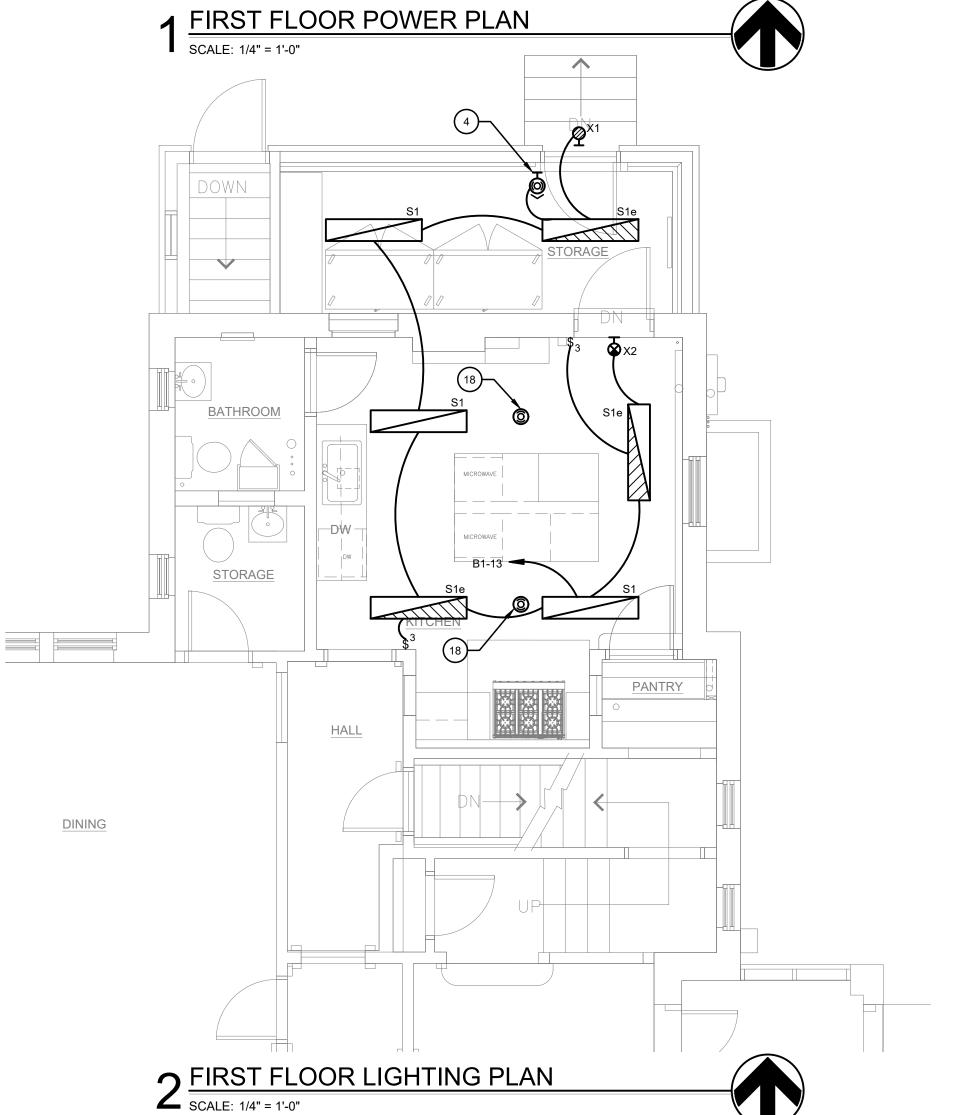
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DRAWN BY: CHECKED BY: PROJECT: 2134FL INITIAL DATE: DEC 21

ELECTRICAL COMCHECK





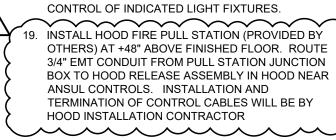


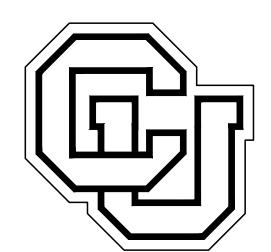
POWER NOTES:

- REFER TO ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR FINAL RECEPTACLE AND DEVICE PLACEMENT. COORDINATE ALL RECEPTACLE MOUNTING LOCATIONS WITH FIXTURES, APPLIANCES, FURNITURE, CABINETRY, AND OTHER EQUIPMENT PRIOR TO ROUGH-IN.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUIT, DISCONNECT, AND CONDUCTORS FOR MECHANICAL EQUIPMENT.
- 3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATING THE LOCATION OF ELECTRICAL EQUIPMENT, JUNCTION BOXES, DISCONNECTS, ETC. EC SHALL BE RESPONSIBLE FOR COORDINATION AND THE ROUTING OF FEEDERS, AND BRANCH CIRCUITS.
- 4. COORDINATE POWER CONNECTIONS FOR OWNER PROVIDED EQUIPMENT AND APPLIANCES, AND ALL OTHER EQUIPMENT PROVIDED BY OTHER DIVISIONS WITH SUBMITTAL DATA CUT SHEETS, WIRING DIAGRAMS, AND MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. FIELD COORDINATE FINAL LOCATIONS OF EQUIPMENT AND POWER CONNECTIONS WITH GENERAL CONTRACTOR AND OTHER DIVISIONS/CONTRACTORS PRIOR TO ROUGH-IN.

FLAG NOTES:

- 1. THE PROPOSED ROUTING OF THE FEEDER FROM PANEL "B" TO "B1" IS INDICATED. PROPOSED ROUTING IS TO COME OUT OF PANEL "B" RUN HORIZONTALLY BELOW WINDOW, BEHIND DRYERS, UP TO CEILING AND ALONG CEILING TO INDICATED JUNCTION BOX THEN UP TO PANEL "B1". ALL CONDUIT AND THE JUNCTION BOX SHALL BE SURFACE MOUNTED ON EXISTING WALL AND CEILING.
- 2. PROVIDE 8" x 8"x 4" (TALL) JUNCTION BOX FOR ROUTING OF FEEDER FROM PANEL "B" TO PANEL "B1". SURFACE MOUNT JUNCTION BOX TO BASEMENT CEILING STRUCTURE.
- CONDUIT UP TO ISLAND MILLWORK FROM PANEL "B1". SURFACE MOUNT CONDUIT ON BASEMENT CEILING FROM PANEL "B1" TO ISLAND RECEPTACLES.
- 4. PROVIDE WATT-STOPPER #DSW-301 (OR EQUAL)
 WALL MOUNTED OCCUPANCY SENSOR FOR
 CONTROL OF INDICATED LIGHT FIXTURES.
- 5. CONDUIT UP INTO ISLAND WORKSTATION.
- 6. EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO
- 7. EXISTING FIRE ALARM PULL STATION TO REMAIN.
- 8. REPLACE EXISTING RECEPTACLE AND ASSOCIATED COVER PLATE USING EXISTING BRANCH CIRCUITING.
- 9. EXISTING FIRE ALARM PANEL TO REMAIN.
- HOOD ELECTRICAL CONTROL PANEL WITH FIRE ALARM CONNECTION AND SHUNT TRIP CONTACTS PROVIDED WITH KITCHEN HOOD.
- PROVIDE WATT-STOPPER #DT-355 (OR EQUAL)
 CEILING MOUNTED OCCUPANCY SENSOR FOR
 CONTROL OF INDICATED LIGHT FIXTURES.
- 12. 5mA GFCI REMOTE SELF-TESTING DEVICE FOR FOR GAS RANGE.
- 13. PROVIDE 120-VOLT CONNECTION TO HOOD CONTROL
- 14. NEW SYSTEM HEAT DETECTOR.
- 15. THIS PROJECT SCOPE SHALL BE PRICED AS ADD ALTERNATE #1.
- 16. THIS PROJECT SCOPE SHALL BE PRICED AS ADD ALTERNATE #2.
- 17. THIS RECEPTACLE SHALL BE A 4-PLEX.
- 18. PROVIDE WATT-STOPPER #DT-355 (OR EQUAL)
 CEILING MOUNTED OCCUPANCY SENSOR FOR
 CONTROL OF INDICATED LIGHT FIXTURES.





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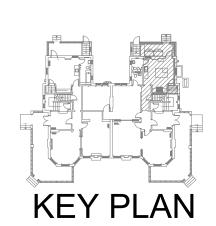


2-15-22	95% CONSTRUCTION DOCUMENTS
4-12-22	100% CD FOR CONSTRUCTION
6-17-22	CODE REVIEW COMMENTS

DRAWN BY: CHECKED BY:
PROJECT: 2134FL INITIAL DATE: DEC 21

POWER AND LIGHTING PLAN

E-101



- B. HARD WIRED EQUIPMENT CONNECTIONS SHALL BE SEALTIGHT.
- C. E.C. SHALL COORDINATE ALL CONNECTION POINT LOCATIONS AND RECEPTACLE CONFIGURATIONS WITH THE KITCHEN CONSULTANT. VERIFY EQUIPMENT DISCONNECT REQUIREMENTS PRIOR TO INSTALLATION.
- D. ANY EQUIPMENT UNDER HOOD TIES INTO FIRE SUPPRESSION SYSTEM. PROVIDE SHUNT TRIP CIRCUIT BREAKER TO TURN EQUIPMENT OFF WHEN FIRE SUPPRESSION SYSTEM IS ACTIVATED.
- E. PROVIDE ALL EQUIPMENT DISCONNECTS IN KITCHEN WITH NEMA 3R RATING.
- F. COORDINATE CONTROLS WITH KITCHEN EQUIPMENT VENDOR.
- (1) PROVIDE RECEPTACLE 6" TO THE RIGHT OF LEFT EDGE OF STOVE (LOOKING AT STOVE) AT +4" ABOVE FINISHED FLOOR. (2) PROVIDE 5mA GFCI REMOTE SELF-TESTING DEVICE FOR GFCI PROTECTION AND RESET OF GAS RANGE RECEPTACLE

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MARK	DESCRIPTION	VOLT / PHASE	HP	WATTS	FLA	MCA	МОСР	AIC RATING	STARTER	DISCONNECT/ FUSE SIZE	FEEDER	CIRCUIT	SPECIFIC NOTES
CU-1	CONDENSING UNIT #1	208/1	N/A	2,995 WATTS	14.4	18.0	30A2P	N/A	N/A	30A2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	30(3WG)	B1-7,9	
								<u>L </u>					
FC-1	FAN COIL UNIT #1	208/1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20A2P MOTOR RATED SITCH IN NEMA 1 ENCLOSUTE	30(4WG)	#1	
KEF-1	KITCHEN EXHAUST FAN	120/1	1/2 HP	1176 WATTS	9.8	12.3	20A1P	N/A	N/A	20A1P MOTOR RATED SWITCH IN NEMA 1 ENCLOSURE	20(3WG)	B1-10	
SF-1	KITCHEN SUPPLY FAN	120/1	1/3 HP	864 WATTS	7.2	9.0	20A1P	N/A	N/A	20A1P MOTOR RATED SWITCH IN NEMA 1 ENCLOSURE	20(3WG)	B1-12	
UH-1	UNIT HEATER #1	120/1	1/25 HP	360 WATTS	3.0	3.8	20A1P	N/A	N/A	20A1P MOTOR RATED SWITCH IN NEMA 1 ENCLOSURE	20(2WG)	B1-16	

- PROVIDE PHASE PROTECTION FOR ALL THREE PHASE MOTORS ABOVE 7-1/2 HP. C. PROVIDE ALL EXTERIOR DISCONNECTS WITH NEMA 3R RATING.
- (1) POWER FOR INDOOR UNIT (FC-1) OBTAINED FROM OUTDOOR UNIT (CU-1).

	(E) PAN													
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	BASEM	ENT					MA	IN:			150/2 CB			
:	SURFAC	E			ļ		MIN	UMI	M AIC	:	22,000 (SE	RIES RA	TED)	
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	(E) LOAD		1	20		+	20	1		(E) LOAD				8
	(E) LOAD		1	20	+		20	1		(E) LOAD				10
	(E) LOAD			_		+				(E) LOAD				12
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	(E) LOAD		1	20	+		20	1		(E) LOAD				30
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	PANEL TOTAL O O O O O	B TYPE LOAD DE SPARE (E) FIRE ALAF (E) LOAD (E) RADON F/ SPARE (E) LOAD (4) PANEL "B1"(B TYPE LOAD DESCRIPTION SPARE (E) FIRE ALARM PANEL (2) (E) LOAD (B	B	B	B	B TYPE	B	B TYPE LOAD DESCRIPTION POLE TRIP A B TRIP POLE TYPE	TYPE	TYPE	TYPE	B TYPE

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#2

DΛΙ	NEL:			(N) PAN	EI R1					VO	LIA	JE:		120/240 V ,	IFH, 3V	V	
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1				SPARE		1	20	+		20	1	Α	K-3 - DISHWA	SHER (1)	1440		2
3		1650	Α	K-2A - MICRO	WAVE (1)	1	20		+	20	1	Α	K-4 - REFRIG	ERATOR (1)		648	4
5	1650		Α	K-2B - MICRO	WAVE (1)	1	20	+		20	1	Α	K-5 - FREEZE		1152		6
7		1498	LM] ,	CU-1	2	30		+	20	1	Е	COUNTER RE	CEPTACLES		360	8
9	1498		LM					+		20	1		KEE-1	\sim	2178		1
11		540	R	GEN KITCHE		1	20		+	20	1		SF-1 (2),(3)			864	1
13	268		L	KITCHEN LIG		1	20	+				_	SHUNT TRIP	SPACE			1
15		1440	Α	K-1 GAS RAN	- 1/11-/	1	20		+	20	1	E			/ <u> </u>	360	1
17		750		SHUNT TRIP				+		20	1	Е	K-6 - GAS VA		100		1
19		756	Α	K-8 -DISPOSA	AL (1)	1	20		+	00	_		SHUNT TRIP		400		2
21 23			_	SPARE SPARE		1	20 20	+	+	20 20	1	L	HOOD LIGHT		120		2
25				SPARE		1	20	+		20	1	E	HOOD CONT		100		2
27				SPARE		1	20		+	20	1		SPARE	ROL PAINEL	100		2
29				SPARE		1	20	+	_	20	1		SPARE				3
			_									1		GENERAL	NOTES:		_
LOA	D TYPE	PANEL 1	OTAL	FEED THRU TOTAL	SUBFEED TOTAL		DER TOTAL	DEM	AND	FEEDER	RTOTAL		A.	GENERAL	NOTES.		
(L) LIGH	TING		388			388		12	5%		485	1	В.				
` '	EPTACLES		540			540		NEC	220		540	1	C.				
(LM) LR	G. MOTOR		2996		-	2996		25	5%		749	1	D.				
(M) MOT	ORS (ALL)		5036			5036		10	0%		5036		E.				
(E) EQUI	IPMENT		920			920		10	0%		920			SPECIFIC	NOTES:		
(A) APPL	LIANCES		8736			8736		>	6		5678		(1) PROVID	E 5mA GFCI CIRCUIT	BREAKER		
		-				DAN	IEL TO	TAI /L	(\/A\·	13	3.4		(2) PROVID	E SHUNT TRIP CIRC	UIT BREAKEF	₹.	
						FAI	ILL IU	TAL (F	VA):	'	,. 		SHUNT				
						PAN	IEL TO	ΤΔΙ (Δ	۸۱۰	5	6		(3) CONNE	CT CIRCUIT BREAKE	R SHUNT TRI	P WIRE	
						1.41			٠,٠	ı ĭ	-		TO HOO	D FOR CONTROL OF	CIRCUIT BR	EAKER	

						LUMII	NAIRE :	SCHED	ULE				
TYPE	DESCRIPTION	MOUNTING	LAMP		LIGHT SOUF			INPUT	DIMMING	VOLT	MANUFACTURER	CATALOG NUMBER	SPECIFIC
			QTY	TYPE	LUMENS	CRI	ССТ	WATTS					NOTES
S1	SURFACE MOUNTED LED UTILITY WRAP FIXTURE WITH ACRYLIC LENS	SURFACE	1	LED	5000	80	4000	44.8	0-10 VOLT	UNV	METALUX	4WSL-LD2-50-SRS-UNV-L840-CD1	
S1e	SAME AS FIXTURE TYPE "S1" EXCEPT WITH INTEGRAL BATTERY PACK	SURFACE	1	LED	5000	80	4000	44.8	0-10 VOLT	UNV	METALUX	4WSL-LD2-50-SRS-UNV-EL14-L840-CD1	
X1	EXTERIOR WALL MOUNTED EGRESS FIXTURE WITH INTERGRAL BATTERY PACK	SURFACE	1	LED	3500	70	4000	25.4	0-10 VOLT	UNV	McGRAW-EDISON	ISC-SA1-B-740-U-T3-GM-CBP-AHD145-BPC	
X2	LED EXIT SIGN WITH INTEGRAL BATTERY PACK AND SELF-DIAGNOSTICS	SURFACE	1	LED	N/A	N/A	N/A	1.0	N/A	UNV	SURE-LITES	LPX7SD	

- THE LUMINAIRE SCHEDULE CAN NOT BE USED INDEPENDENTLY OF THE DRAWINGS AND SPECIFICATIONS TO OBTAIN LUMINAIRE COSTS. THE INDIVIDUAL ESTABLISHING LUMINAIRE COSTS SHALL NOT QUOTE PRICING WITHOUT FIRST SEEING APPLICABLE
- B. REFER TO DRAWINGS FOR FIXTURES REQUIRING EMERGENCY BATTERY BACKUP OPTION (SHOWN BY HATCH IN/OVER SYMBOL). MINIMUM LIGHT OUTPUT FOR EM BALLAST SHALL BE 600 LUMENS. BATTERY SHALL OPERATE FOR A MINIMUM OF 90 MINUTES.

SPECIFIC NOTES:

FLAG NOTES: 1. THIS PROJECT SCOPE SHALL BE PRICED AS ADD

ALTERNATE #1.

2. THIS PROJECT SCOPE SHALL BE PRICED AS ADD ALTERNATE #2.

1. EXISTING ELECTRICAL INFORMATION FROM SITE SURVEY AND IS BELIEVED TO BE CORRECT. IF ACTUAL FIELD CONDITIONS IS FOUND TO BE INCORRECT NOTIFY ENGINEER IMMEDIATELY.

GENERAL NOTES:

- PROJECT SCOPE

— NEW (3#1+1#6G)1-1/2"C.

EXISTING ELECTRICAL SERVICE

DISTRIBUTION CENTER TO

MAIN LEVEL

(E) 150(3WG)

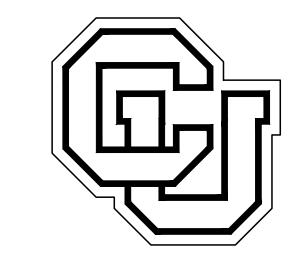
(E) 150(3WG)

EXIST | EXIST

150A2P

CIRCUIT BREAKER

CIRCUIT BREAKER



UNIVERSITY OF COLORADO DENVER ANSCHUTZ

ARTS FT. LOGAN **RENO BUILDING 16** 3844 & 3854 W. PRINCETON CIR DENVER, COLORADO 80202 STATE PROJECT NO: 22-106819



EXISTING —

EXISTING — UTILITY METER

UTILITY

METER

EXISTING ELECTRICAL SERVICE -

SERVICE WIRING SCHEDULE

SHORT CIRCUIT CALCULATIONS SUMMARY

CLASS (V) (S or T)

VOLTAGE # OF CABLES C VALUE * PARALLEL

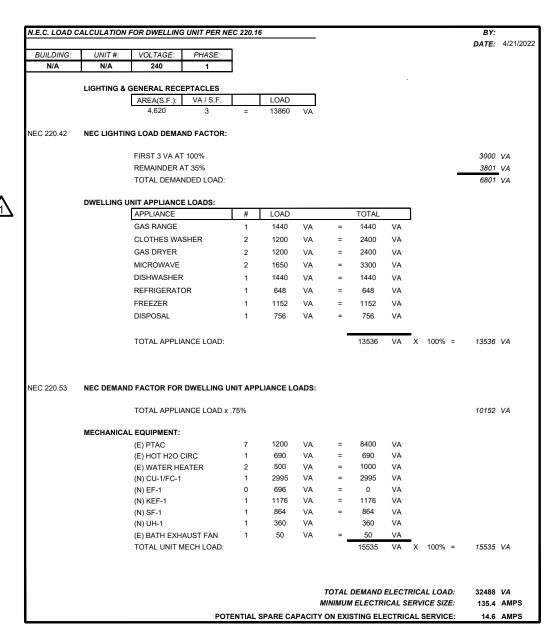
BONDING JUMPERS
W.P. C.E.C. G.RING G. RO

CONDUIT

21700 AMPS

ABBREVIATIONS: W.P. - WATER PIPE; M.F. - METAL FRAME OR STRUCTURE; C.E.C. - CONCRETE ENCASED ELECTRODE; G.RING. - GROUND RING; G.ROD - GROUND ROD, PIPE OR PLATE ELECTRODE

GROUND



(3-350 KCMIL) 2 1/2"C

MAXIMUM AVAILABLE (SYMMETRICAL) FAULT AT THE SECONDARY:

* AUTOMATICALLY CALCULATED

UTILITY TRANSFORMER SIZE:

EXISTING POLE MOUNTED UTILITY —

TRANSFORMER (50KVA)

MD0	(2WG)	(3WG)	(4WG)
AMPS	1Ø, 2 WIRE, GROUND	1Ø, 3 WIRE, GROUND OR 3Ø, 3 WIRE, GROUND	3Ø, 4 WIRE, GROUND
20	(2#12 & 1#12 G) 3/4"C	(3#12 & 1#12 G) 3/4"C	N/A
30	(2#10 & 1#10 G) 3/4"C	(3#10 & 1#10 G) 3/4"C	N/A
40	(2#8 & 1#10 G) 3/4"C	(3#8 & 1#10 G) 3/4"C	N/A
50	(2#6 & 1#10 G) 3/4"C	(3#6 & 1#10 G) 3/4"C	N/A
60	(2#4 & 1#10 G) 3/4"C	(3#4 & 1#10 G) 1"C	N/A
70	(2#4 & 1#8 G) 3/4"C	(3#4 & 1#8 G) 1"C	N/A
80	(2#3 & 1#8 G) 1"C	(3#3 & 1#8 G) 1"C	N/A
90	(2#3 & 1#8 G) 1"C	(3#3 & 1#8 G) 1 1/4"C	N/A
100	(2#3 & 1#8 G) 1"C	(3#3 & 1#8 G) 1 1/4"C	N/A
150	(2#2/0 & 1#4 G) 1 1/4"C	(3#2/0 & 1#4 G) 1 1/2"C	N/A

GEC BONDING JUMPERS
W.P. M.F. C.E.C. G.RING

na #2 CU #2 CU #2 CU #6 CU

(FAULT) *

(4W)

Isc AVAILABLE

RUNS



	21/	
ARCHITECTURAL	WORKSHOP . DENVER COLORADO	

DATE	DESCRIPTION
2-15-22	95% CONSTRUCTION DOCUMENTS
4-12-22	100% CD FOR CONSTRUCTION
6-17-22	CODE REVIEW COMMENTS
<u> </u>	

RAWN BY:		CHECKED BY:	
ROJECT:	2134FL	INITIAL DATE:	DEC 21

ELECTRICAL SCHEDULES

BOF = BOTTOM OF FIXTURE, RFD = RECESSED FIXTURE DEPTH, OFD = OVERALL FIXTURE DEPTH, OFH = OVERALL FIXTURE HEIGHT, TOP = TOP OF POLE, AFF = ABOVE FINISHED FLOOR F=FORWARD PHASE, R=REVERSE PHASE, 0-10=1-10V, 3=3 WIRE, DALI = DALI, DMX=DMX512, STEP=STEP DIMMING, ND=NON DIM, NA=NON APPLICABLE

ELECTRICAL DRAWINGS AND ELECTRICAL DIVISION SPECIFICATIONS. THE CONTRACTOR IS REPONSIBLE FOR PROVIDING NECESSARY DRAWINGS AND SPECIFICATIONS TO THE INDIVIDUAL QUOTING LUMINAIRE PRICING.

C. ELECTRICAL CONTRACTOR TO CONFIRM FIXTURE COMPATIBLITY WITH CEILING TYPE AND CEILING THICKNESS PRIOR TO FINAL FIXTURE ORDER.