University of Colorado
Anschoitz Medical Campus

EDUCATION 1 & 2
SAC REMODELS
#16-124446 & 16-165388

PERMIT DRAWINGS
17 JUNE 2016
**ACCESSIBILITY NOTES**

1. **Walls and Partitions**: Walls and partitions shall be constructed to meet or exceed the requirements of the applicable codes and standards. Where required by the Architect, partition walls shall be designed in accordance with the latest edition of the International Building Code (IBC) and the applicable local building codes. Partitions shall be constructed with materials that meet the fire and sound separation requirements specified in the project drawings.

2. **Doors**: Doors shall be installed in accordance with the International Building Code (IBC) and the applicable local building codes. All doors shall be provided with a minimum clear opening width of 36 inches (914 mm) and a minimum clear height of 80 inches (2032 mm). Doors shall be equipped with proper hardware, including automatic swing doors, where required.

3. **Stairs**: Stairs shall be constructed to comply with the International Building Code (IBC) and the applicable local building codes. Handrails shall be provided on both sides of the stairs, and there shall be a minimum clearance of 11 inches (279 mm) between the handrail and the wall.

**WALL TYPES NOTES**

1. **Sheathing**: Sheathing shall be installed in accordance with the International Building Code (IBC) and the applicable local building codes. Sheathing shall be selected based on the climate zone and the project specifications.

2. **Windows**: Windows shall be installed in accordance with the International Building Code (IBC) and the applicable local building codes. All windows shall be provided with proper hardware, including window stops and weatherstripping.

3. **Roofs**: Roofs shall be constructed to comply with the International Building Code (IBC) and the applicable local building codes. Roofs shall be designed to withstand the anticipated snow and wind loads.

4. **Insulation**: Insulation shall be installed in accordance with the International Building Code (IBC) and the applicable local building codes. Insulation shall be selected based on the climate zone and the project specifications.

---

**GENERAL NOTES**

1. All work shall conform to and shall be done in accordance with all applicable present knowledge, but without guarantee of accuracy. Existing conditions information shown may not necessarily represent the actual as built conditions. The contractor(s) shall field verify all existing conditions. The contract documents apply to the subject project, but are not in any way a warranty or guarantee that said conditions will be present. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

2. It is the intent of the contract documents to comply with the architectural guidelines of the Americans with Disabilities Act Accessibility Guidelines (ICcA117.1).

3. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors.

4. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

5. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

6. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

7. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

8. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

9. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

10. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

11. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.

12. The contractor(s) shall be responsible for coordinating the scheduling and work of their subcontractors. The contractor(s) shall ensure that all work is done in accordance with the contract documents.
SCOPE OF PROJECT

NEW "GENIUS BAR"

EXISTING INTERIOR STOREFRONT
EXISTING DRYWALL
ENCLOSED COLUMN
EXISTING SINK & COUNTERTOP
NEW PLAM SHELF (MATCH EXISTING) FOR NEW MICROWAVE
NEW POWER (RE: ELECT. DWGS)
EXISTING PLAM SHELVES
EXISTING REFRIGERATOR
NEW PLAM SHELF FOR NEW MICROWAVE (MATCH EXISTING)
EXISTING PLAM SHELVES
EXISTING STOREFRONT
EXISTING BASE CABINETS, COUNTERTOP & SINK
EXISTING UPPER CABINETS
RELOCATED EXISTING SOAP DISPENSER
NEW PLAM SHELF FOR NEW MICROWAVE
EXISTING PLAM SHELVES
EXISTING STOREFRONT
EXISTING PAINTED WALL
NEW 4'X6' WHITEBOARD
NEW 4'X6' WHITEBOARD
EXISTING PAINTED WALL
EXISTING DRYWALL
COLUMN ENCLOSURE
EXISTING INTERIOR STOREFRONT
EXISTING GRILLES
EXISTING GRILLES

GENERAL NOTE: CUT, PATCH & PAINT IN ALL ROOMS, AS NEEDED
EXISTING EXTERIOR STOREFRONT

NEW ROLLERSHADES ATTACHED TO UNDERSIDE OF EXISTING ACT CEILING ABOVE EXISTING WALL

EXISTING ALUM. STOREFRONT

NEW 4'X6' WHITEBOARD MOUNTED @ 3'-4" A.F.F. TYP. (TO BOTTOM OF BOARD). CENTER ON EXISTING WALL.

EXISTING COUNTERTOP, BASE CABINETS & SINK

NEW MICROWAVE ON SHELF ABOVE EXISTING ICE MACHINE (MATCH ELEVATION TO ADJACENT SHELF)

EXISTING MICROWAVES (ONE ON SHELF)

EXISTING CARPET

NEW LINOLEUM FLOORING

EXISTING DOORS

EXISTING EXTERIOR STOREFRONT

NEW ROLLERSHADES ATTACHED TO UNDERSIDE OF EXISTING ACT CEILING ABOVE

NEW 4'X4' WHITEBOARD CENTERED ON EXISTING WALL, MOUNTED @ 3'-4" A.F.F (TO BOTTOM OF BOARD)

NEW "GENIUS BAR"

EXISTING INTERIOR STOREFRONT

EXISTING SINK, COUNTERTOP & BASE CABINETS

EXISTING REFRIGERATOR

NEW MICROWAVE & PLAM SHELF ABOVE EXISTING MICROWAVE; ALIGN EAST EDGE OF SHELF W/ ELEVATION CHANGE OF COUNTERTOP. (MATCH EXISTING IN RM 1203)

EXISTING MICROWAVE & WOOD SHELF

NEW WOOD SHELF FOR NEW MICROWAVE. ATTACH TO WALL W/ HEAVY DUTY STEEL SHELVING STANDARDS SPACED @ 1'-6". (MATCH EXISTING)

EXISTING ICEMAKER

GENERAL NOTE: CUT, PATCH & PAINT IN ALL ROOMS, AS NEEDED
**HIGH LIGHT **

1. **Control**
   - 3 CONTROL ROOMS
   - 9 FLOOR BOXES
   - 7 FLOOR BOXES
   - 1 BOLT DOWN RECEPTABLE

2. **Wiring Devices**
   - 1 DEDICATED 120 VOLT OUTLET
   - 2 FLOOR BOXES
   - 3 FLUSH MOUNTED RECEPTABLES
   - 1 SURFACE MOUNTED RECEPTABLE

3. **Lighting**
   - 1 WALL MOUNTED FIXTURE
   - 1 SURFACE MOUNTED FIXTURE
   - 1 EXIT LIGHT

4. **Electrical Panel**
   - 1 ELECTRICAL PANEL

5. **Motor**
   - 1 DISCONNECT SWITCH

6. **Mechanical Equipment**
   - 1 BUILDING HX UNIT
   - 1 BUILDING ROOF UNIT

7. **Sprinkler**
   - 1 SPRINKLER HEAD

8. **Electrical Wiring**
   - 1 WALL BOX

9. **Grounding**
   - 1 GROUND CORD

**NOTES:**
- All fixtures shall be marked with the manufacturer's name, model number, and voltage rating.
- All electrical equipment shall be installed in accordance with the manufacturer's instructions.
- All electrical wiring shall be held securely in place by mechanical support and shall be protected from physical damage.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
- All electrical equipment shall be installed with a minimum of 6 inches clearance from combustible materials.
NOTES:
FA17 TO (2) 1/0, FA20 TO (3) 2/0, AND FA21 TO (3) 3/0.
INCREASE GROUND WIRE ON SECONDARY SIDE OF TRANSFORMER TO PANEL FOR FA15, FA16,
USE 75 C COPPER WIRE MINIMUM. OR AS SPECIFIED.
CONDUIT SIZES ARE MINIMUM. INCREASE FOR LONG OR DIFFICULT RUNS.

CURRENT OVER 500
500
350
225
200
175
100
90
80
50
40
20

EXISTING PAD MOUNT 15KV
CLASS SWITCH CABINET IN
UCHSC
CPE JACKET AND #2GND
SPARE

F17
F15
F12
F11
F9
F7
F6
F6
F4
F3

REF
FDR
KCMIL
AWG-
COPPER

(9) 350
(6) 500
(6) 350
(6) 250
(6) 3/0
(3) 500
(3) 350
(3) 250
(3) 4/0
(3) 3/0
(3) 2/0
(3) 1/0
(3) 4
(3) 4

FEEDER TABLE - CONDUCTORS

10
10
12
6
6
6
8
8

(3) 3
(2) 3
(2) 2-1/2
(2) 2
(2) 2
3-1/2
3
3

(8) 500
(8) 250
(8) 250
(8) 4/0
(8) 3/0
(4) 250
(4) 1/0
(4) 1
(4) 3
(4) 4
(4) 8
(4) 10
(4) 12

E-010
See Sheet E-303 for 200/3 Isc25 K-13 (E)DUCTBANK

Refer to Sheet E-115 for interrupting fault all service entrance grounding and bonding.

Switchboard "NMB" (E)CABLES

Secondary ground 1500 KVA, to BLDG. STEEL

112.5 KVA, #2/0 #1/0 #6 #6 #8 #8

Under 17th Floor

2[(3#250KCMIL, 1#2G)2-1/2"C.]

1.00 1.00 1.00 3.00 3.00 3.00 2.00 3.00 2.00 2.00 1.50 1.25 1.00 0.75

Drawn By
E-012

UC DENVER ANSCHUTZ MEDICAL CAMPUS
EDUCATION 1 AND 2 REMODELS

ELEVATOR-1
BLDG. NORTH

ELEVATOR-2

ELEVATOR-3

1200/3
400/3
200/3
225/3
225/3
125/3
225/3
45/3
45/3
45/3

PANEL (BY TVSS MFR)

PANEL (BY AHU-N3/N4)

NORTH BUILDING

SEE MECH. EQUIP. SCHEDULE

PANEL

PANEL

PANEL

'MH-4' IN 17TH

T
Q
R
N
U
H
C
X
Z
B
J
I
D
C
M
W
K
P
G
V

APPEARING WITHIN SHALL NOT BE DUPLICATED, DISCLOSED

MW
LR

MW
LR

MW
LR
ALL EQUIPMENT IS EXISTING TO REMAIN, NO NEW PANELS OR DISTRIBUTION EQUIPMENT IS BEING ADDED TO THIS PROJECT.
1. Refer to architectural drawings for continued construction and scope documentation and for dimensions of new devices. If any conflicts between drawings occur, please contact the engineer or architect for clarification.

2. Plan drawings and panel schedules were used to determine existing circuitry. If major conflicts occur that cannot be dealt with in the field, please contact the engineer or architect for direction.

3. Electrical contractor shall coordinate exact location of all equipment requiring electrical connection with the corresponding contractor. Electrical contractor shall obtain equipment submittals to coordinate disconnect means, installation, specifications, and power requirements prior to rough-in. Verify equipment when delivered to site. If discrepancies occur, notify general contractor and electrical engineer immediately.

4. Electrical contractor shall verify that all existing/relocated electrical outlets in work area function properly. Replace damaged receptacles or wiring with new where required.

5. Back-to-back outlets in the same wall and thru-wall type boxes are not permitted. Provide nipple (length as required) to offset for all outlets shown on opposite sides of a common wall to minimize sound transmission.

6. For typical suspended outlet, provide suitable flexible cord and cable assembly approved for extra-hard usage and installed with strain relief cable grips (both ends) at the supply end and at plug-in device and boxes or equipment terminations per NEC articles 392-6 (A), (C) and (J), 400.10 and 368.8 (B) 1, 2, 3, and 4.

7. Electrical contractor shall coordinate exact locations of outlets with tenant/architect/owner or furniture contractor prior to rough-in.

8. Electrical contractor shall coordinate all mechanical equipment locations for points of connection requiring electrical connections and specifications with mechanical contractor prior to rough-in. Provide disconnect means (fused or non-fused disconnect switches), etc. as required by the manufacturer's specifications and requirements.

Genius Bar Tables and power modules are FF&E. Contractor to coordinate with furniture supplier for electrical connection prior to installation by the electrical contractor. Provide dedicated duplex receptacle for microwave mounted on shelf above kitchen area. Contractor to verify exact location of receptacle with architect prior to rough-in.
1. Refer to architectural drawings for continued construction and scope documentation and for dimensions of new devices. If any conflicts between drawings occur, please contact the engineer or architect for clarification.

2. Plan drawings and panel schedules were used to determine existing circuitry. If major conflicts occur that cannot be dealt with in the field, please contact the engineer or architect for direction.

3. Electrical contractor shall coordinate exact location of all equipment requiring electrical connection with corresponding contractor. Electrical contractor shall obtain equipment submittals to coordinate disconnect means, installation, specifications, and power requirements prior to rough-in. Verify equipment when delivered to site. If discrepancies occur, notify general contractor and electrical engineer immediately.

4. Electrical contractor shall verify that all existing/relocated electrical outlets in work area function properly. Replace damaged receptacles or wiring with new where required.

5. Back-to-back outlets in the same wall and thru-wall type boxes are not permitted. Provide nipple (length as required) to offset for all outlets shown on opposite sides of a common wall to minimize sound transmission.

6. For typical suspended outlet, provide suitable flexible cord and cable assembly approved for extra-hard usage and installed with strain relief cable grips (both ends) at the supply end and at plug-in device and boxes or equipment terminations per NEC Articles 392-6 (A), (C) and (J), 400.10 and 368.8 (B) 1, 2, 3, and 4.

7. Electrical contractor shall coordinate exact locations of outlets with tenant/architect/owner or furniture contractor prior to rough-in.

8. Electrical contractor shall coordinate all mechanical equipment locations for points of connection requiring electrical connections and specifications with mechanical contractor prior to rough-in. Provide disconnect means (fused or non-fused disconnect switches), etc. as required by the manufacturer's specifications and requirements.

Genius Bar tables and power modules are FF&E. Contractor to coordinate with furniture supplier for electrical connection prior to installation by the electrical contractor. Provide dedicated duplex receptacle for microwave mounted on shelf above kitchen area. Contractor to verify exact location of receptacle with architect prior to rough-in. Contractor to relocate existing receptacles as shown. Circuit relocated receptacles for genius bar to circuit 2 on panel 'L2ND:1'.

Box 914
Golden, CO 80402
Phone: 720-399-2410
KG@KLOKGROUP.COM
GENIUS BAR TABLES AND POWER MODULES ARE FF&E. CONTRACTOR TO COORDINATE WITH FURNITURE SUPPLIER FOR ELECTRICAL CONNECTION PRIOR TO INSTALLATION BY THE ELECTRICAL CONTRACTOR.

1. REFER TO ARCHITECTURAL DRAWINGS FOR CONTINUED CONSTRUCTION AND SCOPE DOCUMENTATION AND FOR DIMENSIONS OF NEW DEVICES. IF ANY CONFLICTS BETWEEN DRAWINGS OCCUR, PLEASE CONTACT THE ENGINEER OR ARCHITECT FOR CLARIFICATION.

2. PLAN DRAWINGS AND PANEL SCHEDULES WERE USED TO DETERMINE EXISTING CIRCUITRY. IF MAJOR CONFLICTS OCCUR THAT CANNOT BE DEALT WITH IN THE FIELD PLEASE CONTACT ENGINEER OR ARCHITECT FOR DIRECTION.

3. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH CORRESPONDING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL OBTAIN EQUIPMENT SUBMITTALS TO COORDINATE DISCONNECT MEANS, INSTALLATION, SPECIFICATIONS, AND POWER REQUIREMENTS PRIOR TO ROUGH-IN. VERIFY EQUIPMENT WHEN DELIVERED TO SITE. IF DISCREPANCIES OCCUR, NOTIFY GENERAL CONTRACTOR AND ELECTRICAL ENGINEER IMMEDIATELY.

4. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL EXISTING/RELOCATED ELECTRICAL OUTLETS IN WORK AREA FUNCTION PROPERLY. REPLACE DAMAGED RECEPTACLES OR WIRING WITH NEW WHERE REQUIRED.

5. BACK-TO-BACK OUTLETS IN THE SAME WALL AND THRU-WALL TYPE BOXES ARE NOT PERMITTED. PROVIDE NIPPLE (LENGTH AS REQUIRED) TO OFFSET FOR ALL OUTLETS SHOWN ON OPPOSITE SIDES OF A COMMON WALL TO MINIMIZE SOUND TRANSMISSION.

6. FOR TYPICAL SUSPENDED OUTLET PROVIDE SUITABLE FLEXIBLE CORD AND CABLE ASSEMBLY APPROVED FOR EXTRA-HARD USAGE AND INSTALLED WITH STRAIN RELIEF CABLE GRIPS (BOTH ENDS) AT THE SUPPLY END AND AT PLUG-IN DEVICE AND BOXES OR EQUIPMENT TERMINATIONS PER N.E.C. ARTICLES 392-6 (A), (C) AND (J), 400.10 AND 368.8 (B) 1, 2, 3, AND 4.

7. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF OUTLETS WITH TENANT/ARCHITECT/OWNER OR FURNITURE CONTRACTOR PRIOR TO ROUGH-IN.

8. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL EQUIPMENT LOCATIONS FOR POINTS OF CONNECTION REQUIRING ELECTRICAL CONNECTIONS AND SPECIFICATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE DISCONNECT MEANS (FUSED OR NON-FUSED DISCONNECT SWITCHES), ETC. AS REQUIRED BY THE MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
MECHANICAL REQUIREMENTS

1. CONSTRUCTION

2. BASIC MECHANICAL REQUIREMENTS

3. PLUMBING/PIPE AND FITTINGS

4. ELECTRICAL

5. MECHANICAL

6. DUCTWORK

7. FIRE PROTECTION

8. MECHANICAL GRADE LEVELS

9. PRE-CONSTRUCTION MECHANICAL

10. MECHANICAL MATERIALS

11. IMPORTANCE OF COMMUNICATION

12. DESIGN CONSIDERATIONS

13. WATER SYSTEMS

14. SPECIAL EQUIPMENT

15. MODIFICATIONS TO EXISTING SYSTEMS

16. FIELD MECHANICAL DRAWINGS

17. GENERAL INSTRUCTIONS

18. QUALITY ASSURANCE

19. PROJECT MANAGEMENT

20. EDITION/PART 4/PART 4 ANSCHUTZ BOOKMARKED.PDF

1.1. basic mechanical requirements

2.2. facility shall not be hindered by this work. contractor shall account for all additional costs which may be

3.3. provide all cutting, channeling, chasing, drilling, etc., operations as may be required for the mechanical work.

4.4. examine the contract documents of all trades (e.g., the architectural reflected ceiling plan, electrical

5.5. lay out all work in advance. do not damage work of other trades. sleeves through roof to be by the base

6.6. refer to architectural, structural, electrical and mechanical drawings and specifications, as a part of this

7.7. drawings or schematics, "construction drawings", or coordination drawings may be required. the contractor

8.8. drawings are diagrammatic in nature and shall not be scaled. they show certain physical relationships which

9.9. negotiations with the owner.

10.10. pre-contract revisions (addenda), clarifications and proposals, and contract modifications prepared by

11.11. all capacities are scheduled at a job site altitude of 5400 ft above sea level.

12.12. no increase on contract sum will be allowed due to lack of knowledge of existing conditions. coordinate

13.13. water systems

14.14. special equipment

15.15. modifications to existing systems

16.16. field mechanical drawings

17.17. general instructions

18.18. quality assurance

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

2. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS.

3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS. NOTIFY ENGINEER FOR DESIGN RESOLUTION IF EXISTING CONDITIONS ARE FOUND TO BE SUBSTANTIALLY DIFFERENT.

INSTALL EXISTING SUPPLY DIFFUSER IN NEW LOCATION AS SHOWN. COORDINATE EXACT LOCATION WITH EXISTING CEILING AND OTHER DEVICES.
1. The drawings are diagrammatic in nature. The contractor is responsible for all offsets, transitions, elbows, etc. as required in piping, supports, etc. to complete the work in a clean functional installation that is fully coordinated with all other trades. Any pricing effort shall take these factors into account.

2. Existing pipe routing and sizes shown on plans is based on best available information. Contractor to verify all locations. Notify engineer for design resolution if existing conditions are found to be substantially different.

- INSTALL EXISTING SINK IN NEW LOCATION.
- MODIFY EXISTING PIPING TO PROVIDE NEW 1/2"HW, 1/2"CW, 2"V, 2"SAN CONNECTIONS TO EXISTING SINK.