CU ANSCHUTZ MEDICAL CAMPUS
FITZ BLDG 3RD RENO CSPH
FITZSIMONS BUILDING

RDG PLANNING ● DESIGN

PERMIT/ CONSTRUCTION DOCUMENTS

PROJECT NUMBER: **23-178871**

DATE: **09/22/23**

DRAWING INDEX:

SHEET ISSUANCE LEGEND

	NOT ISSUED
C	ISSUED FOR CONSTRUCTION
U	ISSUED FOR CONSTRUCTION - REVISED
R	ISSUED FOR REFERENCE ONLY
N	NOT FOR CONSTRUCTION

GENERAL

NUMBER	NAME
G00.00	COVER
G00.01	GENERAL INFO/ CODE

ARCHITECTURE

NUMBER	NAME
A00.01	ARCHITECTURAL NOTES
AD01.10	PARTIAL DEMOLITION PLAN - LEVEL 3
A01.10	PARTIAL FLOOR PLAN - LEVEL 3
A11.01	FINISH PLAN

ELECTRICAL

NUMBER	NAME
E00.00	ELECTRICAL LEGEND
E01.10	ELECTRICAL PLAN 3RD FLOOR
E02.10	LIGHTING PLAN 3RD FLOOR
E05.00	ELECTRICAL DETAILS
E05.01	ELECTRICAL ONE-LINE
E05.02	ELECTRICAL ONE-LINE
E06.00	ELECTRICAL SCHEDULES

PLUMBING

NUMBER	NAME
P00.00	PLUMBING LEGEND
P01.10	PLUMBING PLAN 3RD FLOOR

COLORADO LICENSED
NATHAN CALE GIESELMAN
ARC.00406286
9/22/23
ARCHITECT

[illegible]

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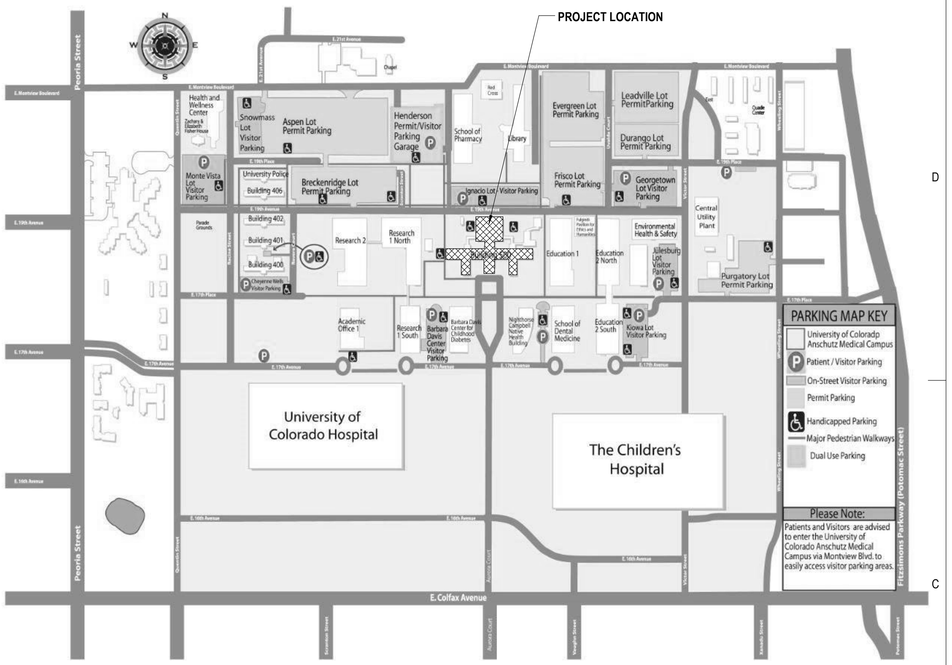
An Architecture, Landscape Architecture, Engineering, Interior Design and Planning Corporation Denver, CO Des Moines, IA Iowa City, IA Omaha, NE St. Louis, MO



VICINITY PLAN

PROJECT DESCRIPTION:

THIS PROJECT WILL INVOLVE REMODELING OF O20-C3000 SUITE OF OFFICES (ROOMS O20-C3000 THROUGH O20-C3000H) ON THE 3RD FLOOR OF THE FITZSIMONS BUILDING. SCOPE OF WORK INCLUDES MINOR DEMOLITION OF WALLS, CASEWORK (UPPERS & BASE), CARPET AND LIGHTING. NEW SUITE ENTRY STOREFRONT SYSTEM WITH DOUBLE DOORS AND SIDELIGHTS, INSTALLATION OF NEW DOOR AND GLASS WALL AT OFFICE C20-3000J, PATCHING OF WALLS AT DEMO AREAS, PAINTING OF ALL WALLS AND SOFFITS THROUGHOUT THE SUITE, INSTALLATION OF NEW CARPET TILE IN SOME OFFICES AND PATCHING OF CARPET IN AREAS OF DEMOLITION WITHIN THE SUITE, INSTALLATION OF NEW LIGHT FIXTURES AND CONTROLS THROUGHOUT THE SUITE, AND INSTALLATION OF TWO WATER LINES IN CORRIDOR C3000.

ARCHITECTURAL GENERAL NOTES:

1. GENERAL

1.1 CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS PRIOR TO MATERIAL ORDERING/ FABRICATION, AND CONSTRUCTION.

1.2 WHEN DRAWINGS AND SPECIFICATIONS ARE NOT IN AGREEMENT, THE BIDDER SHALL REQUEST WRITTEN CLARIFICATION PRIOR TO BIDDING AND CONSTRUCTION. IF NOT CLARIFIED PRIOR TO BIDDING, THE FOLLOWING PRECEDENCE SHALL BE USED TO DETERMINE SCOPE OF THE BID: SIZE/QUANTITY CONTROLLED BY DRAWINGS, MATERIAL QUALITY CONTROLLED BY SPECIFICATIONS. FINAL INTERPRETATION MUST BE ISSUED BY THE ARCHITECT/ENGINEER PRIOR TO MATERIAL FABRICATION OR CONSTRUCTION.

CODE INFORMAITON:

OCCUPANCY CLASSIFICATION: B

TYPE OF CONSTTRRUCTION: EXISTING - 1B

NUMBER OF STORIES: (8)

AUTOMATIC SPRINKLER SYSTEM: EXISTING - YES

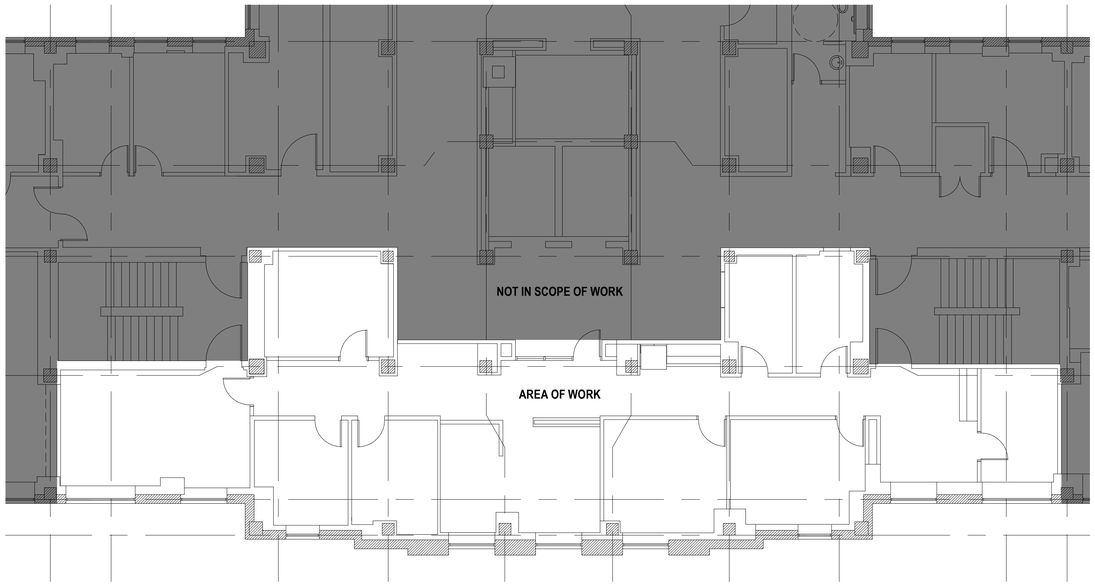
EGRESS NOT AFFECTED BY THE CONSTRUCTION

CODE INFORMAITON

PRELIMINARY CODE REVEIW MEETING:
(CODE INFORMATION REFLECTES THE RESULTS OF THE PRLIMINARY REVIEW)

APPLICABLE GOVERING STANDARDS:

BUILDING CODE:	2021 INTERNATIONAL BUILIDING CODE (IBC)
FIRE CODE:	2021 INTERNATIONAL FIRE CODE (IFC)
ENERGY CODE:	2021 INTERNATIONAL ENERGY CODE (IECC)
ACCESSIBILITY CODE:	CURRENT ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
MECHANICAL CODE:	2021 INTERNATIONAL MECHANICAL CODE (IMC)
PLUMBING CODE:	2021 INTERNATIONAL PLUMBING CODE (IPC)
ELECTRICAL CODE:	2023 NATIONAL ELECTRICAL CODE (NEC)
GAS CODE:	2021 INTERNATIONAL FUEL GAS CODE (IFGC)
FIRE PROTECTION:	2020 NFPA



1 SCOPE OF WORK - FLOOR PLAN LEVEL 3
1/8" = 1'-0"

SHEET SIZE: 24" X 36"
PDF's PRINTED: 9/21/2023 4:10:08 PM

PERMIT/ CONSTRUCTION DOCUMENTS

RDG PLANNING • DESIGN

ARCHITECT
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MECH/ELEC/PLUMB
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COLORADO LICENSED ARCHITECT ARC.00466286 9/22/23 ARCHITECT

FITZSIMONS BUILDING
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	05/31/23
90% REVIEW	08/31/23
ISSUANCE	DATE

ISSUED: 9/22/23

PROJECT NO: 23-178871

GENERAL INFO/ CODE

FITZ BLDG 3RD RENO CSPH

G00.01

GENERAL FINISH AND MATERIALS NOTES

1. GENERAL NOTES:
   - A. NOTIFY ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS BETWEEN THE FINISH SCHEDULE, FINISH AND MATERIALS LEGEND, FINISH PLANS AND SPECIFICATIONS PRIOR TO APPLICATION OF ANY FINISH.
   - B. FOR FINISH SCHEDULE ABBREVIATIONS AND PRODUCT INFORMATION, REFER TO FINISH AND MATERIALS LEGEND AND ARCHITECTURAL ABBREVIATIONS.
   - C. REFER TO FLOOR PLANS AND WALL TYPES FOR DESCRIPTION OF WALL TYPES AND MATERIALS.
   - D. REFER TO FINISH FLOOR PLANS, INTERIOR ELEVATIONS, AND DETAILS FOR ADDITIONAL INFORMATION ON FINISH AND MATERIAL LOCATIONS AND EXTENTS.
   - E. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH MATERIALS, LOCATIONS, HEIGHTS, AND DETAILS.
2. PAINTS & COATINGS AND HPC NOTES:
   - A. FOR LEVEL 5 FINISH AT GYPSUM BOARD WALLS, REFER TO FINISH FLOOR PLANS FOR LOCATIONS. THIS INCLUDES ALL GYPSUM BOARD WALLS, CEILINGS, AND SOFFITS IN NOTED AREAS.
   - B. GYPSUM BOARD CEILINGS AND SOFFITS (GBC) TO BE PAINTED: (PT1), UNLESS NOTED OTHERWISE IN DRAWINGS.
   - C. CONTROL JOINTS (CJ) IN WALLS AND CEILINGS ARE NOTED IN ELEVATIONS AND RCPs. NOTIFY ARCHITECT IF CONTROL JOINTS ARE PROPOSED TO BE ADDED OR MOVED.
   - D. DO NOT PAINT FACTORY FINISHED ITEMS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
   - E. FOR FACTORY PRIMED ITEMS, REFER TO DRAWINGS FOR DESIRED PAINT COLORS.
   - F. FOR ALL INTERIOR HOLLOW METAL DOORS, FRAMES, AND BORROWED LIGHTS, USE HIGH PERFORMANCE COATING (HPC#) SAME COLOR AS ADJACENT WALL, UNO.
3. FLOORING NOTES:
   - A. PROVIDE FLOOR FINISH SEAMING DIAGRAM WITH PATTERN LAYOUT FOR CARPET. FINAL LAYOUT TO BE APPROVED BY ARCHITECT PRIOR TO INSTALL.
   - B. ALL FLOORING TRANSITIONS WHICH OCCUR WITHIN A DOOR FRAME SHALL BE CENTERLINE OF DOOR AND ALIGN WITH ADJACENT WALLS, WHERE NOTED ON FINISH PLANS, UNO.
   - C. REFER TO DRAWINGS FOR FLOOR TRANSITION STRIPS AND TRIM DETAILS. WHERE FLOOR FINISHES ARE UNEVEN, FLOAT UP LOWER FINISH FLOORING TO BE FLUSH WITH HIGHER FINISH FLOORING.

GLAZING SCHEDULE

NOTES:
UNLESS OTHERWISE NOTED ALL GLAZING SHALL COMPLY WITH THE FOLLOWING:

1. GLAZING SHALL BE GLASS.
2. SINGLE PANE THICKNESS SHALL BE 1" MIN UNLESS GREATER THICKNESS REQUIRED BY THE SAFETY, STRUCTURAL, OR FIRE RATING CRITERIA.
3. COMPLIANT WITH CRITERIA FOR SAFETY GLAZING REQUIRED BY THE IBC 2015 OR THE CURRENT EDITION OF BUILDING CODE LISTED IN THESE DOCUMENTS IF MORE CURRENT OR RESTRICTIVE. ELEVATIONS INDICATE LOCATIONS THAT EXCEED CODE REQUIREMENTS.
4. FIRE RATED GLAZING SHALL MEET THE MINIMUM REQUIREMENTS DEFINED ON THE CODE ANALYSIS SHEET. IF NOT INCLUDED, THE RATING SHALL BE NOT LESS THAN THE SCHEDULED DOOR RATING FOR DOORS, OR THE WALL RATING FOR WINDOWS.
5. ALL GLAZING IN HOLLOW METAL FRAMES SHALL BE INSTALLED ON THE ROOM SIDE OF THE FRAMES AWAY FROM EXTERIOR OR CORRIDORS.

LOCATION	TYPE
INTERIOR	
FRAME - ALUMINUM	SINGLE PANE - CLEAR (UG) TEMPERED
DOOR	SINGLE PANE - CLEAR (UG) TEMPERED

FINISH SYMBOLS LEGEND

FLOORING TRANSITIONS
MATERIAL TRANSITION
REQUIRES TRANSITION STRIP

FINISH TRANSITION
MAY REQUIRE TRANSITION STRIP

FINISH TAGS
RB — BASE FINISH(ES)
CPT — FLOOR FINISH(ES)
PT — GENERAL WALL FINISH

SEE XX.XXXX / PT1 — VIEW REFERENCE TO ELEVATION TO INDICATE MULTIPLE FINISHES
LEADERS DENOTE EXTENT OF NAMED FINISH IF REQ'D
ACCENT WALL FINISH MATERIAL - DIRECTION INDICATED

FLOORING DIRECTION

CG — **CORNER GUARD LOCATION**

GENERAL SYMBOLS LEGEND

A1 / A09.01 — **DETAIL NUMBER / SHEET NUMBER**

A1 / A06.01 — A1 / A06.01 — **BUILDING SECTION NUMBER / SHEET NUMBER**

A1 / A07.01 — **SECTION NUMBER / SHEET NUMBER**

A1 / A05.01 — **ELEVATION NUMBER / SHEET NUMBER**

LEVEL 1 / 0'-0" — **LEVEL NAME / LEVEL HEIGHT**

OPEN OFFICE / 1101 — **ROOM NAME / ROOM NUMBER**

PT1 / APC1 / 10'-0" — **CEILING FINISH / CEILING TYPE / CEILING ELEVATION AFF**

1101 — **DOOR MARK**

A5I1 — **REVISION MARK**

CW10 — **CURTAIN WALL MARK**

SA30S — **WALL OR PARTITION MARK**

FW — **WALL OR PARTITION FIRE RESISTIVE ASSEMBLY**

GENERAL DOOR AND BORROWED LIGHT NOTES

THE FOLLOWING NOTES APPLY TO ALL SCHEDULED DOORS, FRAMES AND BORROWED LIGHTS.

1. DOOR FINISHES, NEW AND EXISTING:
   - a. HM DOORS AND FRAMES, INTERIOR — PAINT
   - b. ALUMINUM DOORS AND FRAMES — FACTORY FINISH
   - c. WOOD DOORS — FACTORY FINISH
2. SEE WALL TYPES SHEET AND FLOOR PLANS FOR WALL INFORMATION. FIELD VERIFY EXISTING WALLS FOR TYPE AND THICKNESS AND PROVIDE FRAMES ANCHORS AND THROAT DIMENSIONS TO CORRESPOND.
3. HEAD, JAMB AND SILL DETAILS FOR DOORS AND BORROWED LIGHTS ARE TYPICAL TO THE WALL CONSTRUCTION THEY ARE PLACED IN, UNO. WHERE THE SCHEDULE DOES NOT INDICATE A HEAD, JAMB OR SILL DETAIL, THE TYPICAL DETAIL APPLIES.
4. SEE SHEET **A11.01** FOR TYPICAL DETAILS.
5. DOOR THICKNESS IS 1 3/4" UNO.
6. EXISTING DOOR, FRAME, OR BORROWED LIGHT PAINTING IS REQUIRED.
7. IF THERE IS A CONFLICT BETWEEN THE HARDWARE SPECIFICATION AND THE DOOR SCHEDULE, THE DOOR SCHEDULE CONTROLS. VERIFY PRIOR TO CONSTRUCTION.

GENERAL ARCHITECTURAL NOTES

1. GENERAL
   - A. CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS PRIOR TO MATERIAL FABRICATION AND CONSTRUCTION.
   - B. WHEN DRAWINGS AND SPECIFICATIONS ARE NOT IN AGREEMENT, THE BIDDER SHALL REQUEST WRITTEN CLARIFICATION PRIOR TO BIDDING AND CONSTRUCTION. IF NOT CLARIFIED PRIOR TO BIDDING, THE FOLLOWING PRECEDENCE SHALL BE USED TO DETERMINE SCOPE OF THE BID: SIZE/QUANTITY CONTROLLED BY DRAWINGS, MATERIAL QUALITY CONTROLLED BY SPECIFICATION. FINAL INTERPRETATION MUST BE ISSUED BY THE ARCHITECT/ENGINEER PRIOR TO MATERIAL FABRICATION OR CONSTRUCTION.

GENERAL CEILING NOTES

1. RETURN GYPSUM WALLBOARDS VERTICALLY WHERE CEILING HEIGHTS OFFSET.
2. IF DEMO OCCURS WHERE EXISTING CONTROL JOINTS EXIST, PROVIDE NEW CONTROL JOINTS (CJ) IN GYPSUM BOARD AND RETURN VERTICALLY AT OFFSETS.
3. CENTER CEILING GRID EACH WAY WITHIN ROOMS AND AREAS AS SHOWN HEREIN, UNO.
4. PROVIDE SUPPORT WIRE AT EACH CEILING GRID MEMBER LOCATED ABOVE ALL CEILING MOUNTED PROJECTION SCREENS.
5. (9'-0") DENOTES HEIGHT OF BOTTOM OF CEILING ABOVE FINISH FLOOR.
6. CONDUITS FOR LIGHTING ARE TO BE CONCEALED ABOVE THE DECK.
7. ALL CEILING DEVICES ARE TO BE CENTERED ON TILES, PANELS, OR SPACE UNLESS OTHERWISE INDICATED; ALIGN WITH ADJACENT DEVICES.
8. NOT ALL CEILING DEVICES ARE SHOWN. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
9. ALL RATED WALLS ARE FULL HEIGHT, NON RATED FULL HEIGHT WALL ARE DENOTED WITH A BLACK INFILL. NON RATED PARTIAL HEIGHT WALLS EXTEND TO A MIN OF 8" ABOVE HIGHEST ADJACENT CEILING AND ARE DENOTED WITH A SOLID GRAY INFILL.
10. ALL CEILING TILE OR GRID DAMAGED DURING DEMOLITION OR CONSTRUCTION TO BE REPLACED WITH NEW TILE OR GRID TO MATCH EXISTING.

CEILING SYMBOLS LEGEND

- **LIGHT FIXTURE**
- **SUSPENDED LIGHT FIXTURE**
- **WALL SCONCE LIGHT FIXTURE**
- **PENDANT LIGHT FIXTURE**
- **WALL WASHER LIGHT FIXTURE**
- **DOWN LIGHT FIXTURE**
- **ADJUSTABLE ACCENT LIGHT FIXTURE**
- **ACCESS PANEL**
- **SUPPLY AIR DIFFUSER**
- **RETURN AIR DIFFUSER**
- **EXHAUST GRILLE**
- **SPRINKLER HEAD**
- **NON-RATED EXISTING WALLS**
- **NON-RATED FULL HEIGHT WALLS**
- **NON-RATED PARTIAL HEIGHT WALLS**
  EXTEND 8" MIN ABOVE HIGHEST ADJACENT CEILING

ARCHITECTURAL ABBREVIATIONS

1	ADDITIONAL ABBREVIATIONS MAY BE DEFINED ELSEWHERE IN THE CONTRACT DOCUMENTS.
2	AN ABBREVIATION WITH A NUMBER SUFFIX INDICATES A VARIATION IN COLOR, FINISH, TYPE, OR SYSTEM. VARIATIONS ARE DEFINED ELSEWHERE IN THE CONTRACT DOCUMENTS.
3	STRUCTURAL STEEL ABBREVIATIONS IN THE AISC STEEL CONSTRUCTION MANUAL ARE INCORPORATED BY REFERENCE.
4	SYMBOLS LISTED IN THE US NATIONAL CAD STANDARD, DRAWING SYMBOLS, ARE INCORPORATED BY REFERENCE.
AB	Air Barrier
ACC	Accessible as defined by ADA & ANSI A117.1
ACFIN	Acoustical Finish
ACM	Aluminum Composite Material
ADJ	Adjacent; Adjustable
AFF	Above Floor Finish
ALT	Alternate
ALU	Assisted Living Unit
ALUM	Aluminum
APC	Acoustical Panel Ceiling
APGF	Applied Printed Graphic Film
APPROX	Approximate
ARCH	Architectural; Architect
ARGB	Abuse Resistant Gypsum Board
ARP	Acrylic Resin Panel
ARWC	Abuse Resistant Wall Covering
ATFO	Applied Translucent Film Overlay
AUTO	Automatic
AWC	Acoustical Wall Covering
AWP	Acoustical Wall Panel
BCMU	Burnished Concrete Masonry Unit
BD	Board
BLDG	Building
BLKG	Blocking
BLKT	Blanket
BO/	Bottom Of _____
BOT	Bottom
BRG	Bearing
BRK	Brick
BUR	Built-Up Roofing
CAB	Cabinet
CB	Catch Basin
CBB	Cementitious Backer Board
CC	Cubicle Curtains
CF/CI	Contractor Furnished / Contractor Installed
CF/OI	Contractor Furnished / Owner Installed
CFLG	Counterflashing
CFMF	Cold-Formed Metal Framing
CG	Corner Guard
CHBD	Chalk Board
CI	Cast Iron
CIP	Cast-In-Place
CJ	Control Joint
CL	Center Line
CLG	Ceiling
CLO	Closet
CLR	Clear; Clearance
CM	Crown Molding
CMU	Concrete Masonry Unit
CNB	Composite Nail Base
CNTR	Counter(top)
CO	Cleanout
COL	Column
COMB	Combination; Combined
CONC	Concrete
CONSTR	Construction
CONT	Continue; Continuous
CONTR	Contract; Contractor
COORD	Coordinate
CORR	Corridor
CPT	Carpet
CRL	Chair Rail
CRWN	Crown
CS	Cast Stone
CSWK	Casework
CT	Ceramic Tile
CTR	Center
CU YD	Cubic Yard
CUH	Cabinet Unit Heater
CW	Curtain Wall
CWP	Composite Wood Panel
D	Deep; Depth
DEMO	Demolish; Demolition
DEPT	Department
DET	Detail
DEWC	Dry-Erase Wall Covering
DF	Drinking Fountain
DH	Double Hung
DIA	Diameter
DIM	Dimension
DISP	Dispenser
DIV	Division
DN	Down
DS	Downspout
DWG	Drawing
DWR	Drawer
(E)	Existing
E	East
EA	Each
EC	Electrical Contractor
EFM	Entrance Floor Mat
EIFS	Exterior Insulation Finish System
EJ	Expansion Joint
EL	Elevation
ELEC	Electric; Electrical
ELEV	Elevator
EMER	Emergency
ENCL	Enclosure
EOS	Edge Of Slab
EPDM	Ethylene Propylene Diene Monomer
EPT	Epoxy Paint
EQ	Equal
EQUIP	Equipment

ARCHITECTURAL ABBREVIATIONS

EW	Each Way
EWC	Electric Water Cooler
EXP	Expansion; Exposed
EXST	Existing
EXT	Exterior (Grade)
FA(CP)	Fire Alarm (Control Panel)
FCWP	Fiber Cement Wall Panel
FD	Floor Drain
FDTN	Foundation
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FF	Factory Finish
FFE	Finished Floor Elevation
FFLG	Flexible Flashing
FH	Fire Hydrant
FHC	Fire Hose Cabinet
FIN	Finish; Finished
FLG	Flashing
FLR	Flooring; Floor
FMWP	Formed Metal Wall Panel
FPP	Folding Panel Partition
FR	Fire Resistant / Resistive
FRMG	Framing
FRP	Fiber Reinforced Plastic
FRPG	Fire-Protection-Rated Glazing
FRRG	Fire-Resistance-Rated Glazing
FRT(W)	Fire Retardant Treated (Wood)
FT	Foot; Feet
FTG	Footing
FUR	Furred; Furring
FWC	Fabric Wall Covering
FWSC	Fabric-Wrapped Seat Cushion
FWTS	Fabric-Wrapped Tack Surface
GA	Gage; Gauge
GALV	Galvanized
GB	Gypsum Board
GC	General Contractor
GCMU	Glazed Concrete Masonry Unit
GFRC	Glass-Fiber Reinforced Concrete
GFRG	Glass-Fiber Reinforced Gypsum
GFRP	Glass-Fiber Reinforced Plaster
GL	Glass; Glazing
GMKRB	Glass Markerboard
GR	Grout
GRAN	Granite
GSF	Gross Square Feet
GT	Glass Tile
GYP	Gypsum
H	High
HB	Hose Bib
HDBD	Hardboard
HDPE	High-Density Polyethylene
HDR	Header
HDW	Hardware
HDWD	Hardwood
HIST	Historic
HL	High Load
HLB	Horizontal Louver Blinds
HM	Hollow Metal
HORIZ	Horizontal
HPC	High-Performance Coating
HR	Hour
HRL	Handrail
HT	Height
HVAC	Heating
ID	Inside Diameter; Interior Designer
IFRG	Intumescent Fire-Resistive Coating
IG	Insulating Glass
ILU	Independant Living Unit
IMWP	Insulated Metal Wall Panel
INCL	Included; Including
INFO	Information
INSUL	Insulated; Insulation
INT	Interior
IRGB	Impact Resistant Gypsum Board
IRHRL	Impact Resistant Handrail
ISG	Insulated Spandrel Glass
ITRF	Indoor Turf
JAN	Janitor
JST	Joist
JT	Joint
KIT	Kitchen
L	Angle
LAB	Laboratory
LAM	Laminate(d)
LAV	Lavatory
LB(S)	Pound(s)
LBP	Lime Based Plastering
LIN	Linear
LINO	Linoleum
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LMC	Linear Metal Ceiling
LMST	Limestone
LT	Light
LVR	Louver
LVT	Luxury Vinyl Tile
LWC	Light Weight Concrete

ARCHITECTURAL ABBREVIATIONS

MAS	Masonry
MATL	Material
MAX	Maximum
MBR	Modified Bituminous Roofing
MBS	Metal Building System
MC	Mechanical Contractor
MCM	Metal Faced Composite Material Wall Panel
MCW	Manufactured Casework
MDLG	Molding
MDO	Medium Density Overlay
MECH	Mechanical
MED	Medium
MEMB	Membrane
MFD	Manufactured
MFR	Manufacturer
MH	Manhole
MIC	Multicolor Interior Coating
MIN	Minimum; Minute
MISC	Miscellaneous
MKBD	Markerboard
MNTL	Mantel
MO	Masonry Opening
MOD	Modular
MPWP	Metal Plate Wall Panel
MR	Moisture Resistant
MRB	Marble
MRGB	Mold Resistant Gypsum Board
MS	Mop Sink
MSTV	Manufactured Stone Veneer Masonry
MT(D)	Mount(ed)
MTL	Metal
MULL	Mullion
N	North
NAF	No Additional Finish
NATF	Natural Finish
NIC	Not In Contract
NO	Number
NOM	Nominal
NRC	Noise Reduction Coefficient
NSF	Net Square Feet
NTS	Not To Scale
OA	Overall
OC	On Center(s)
OCC	Occupant
OD	Outside Diameter
OF/CI	Owner Furnished / Contractor Installed
OF/OI	Owner Furnished / Owner Installed
OFD	Overflow Drain
OFF	Office
OFS	Overflow Scupper
OH	Overhead
OPH	Opposite Hand
OPNG	Opening
ORD	Overflow Roof Drain
PBD	Particle Board
PCMU	Prefaced Concrete Masonry Unit
PCONC	Polished Concrete
PCP	Portland Cement Plaster
PCWP	Precast Wall Panel
PERF	Perforated
PL	Plate; Property Line
PLAM	Plastic Laminate
PLYWD	Plywood
PNL	Panel
POL	Polish(ed)
PR	Pair
PRCST	Precast
PREFAB	Prefabricated
PREFIN	Prefinish(ed)
PROT	Protect(ed)
PS	Projection Screen
PT	Paint
PTAC	Packaged Terminal Air Conditioning
PTN	Partition
PVC	Polyvinyl-Chloride
PWP	Phenolic Wall Panel
QSM	Quartz Surface Material
QT	Quarry Tile
QTY	Quantity
R	Radius; Riser(s)
RA	Return Air
RAF	Resilient Athletic Floor
RB	Resilient Base
RBT	Rabbet(ed)
RBV	Resilient Base Vented
RCMU	Reinforced Concrete Masonry Unit
RCP	Reflected Ceiling Plan
RCW	Residential Casework
RD	Roof Drain
REBAR	Reinforcing Steel Bar
REF	Reference; Refrigerator
REINF	Reinforced
REQD	Required
RESIL	Resilient
RET	Return
REV	Revised; Revision
RF	Resilient Flooring
RFG	Roofing
RM	Room
RND	Round
RO	Rough Opening
ROW	Right-Of-Way
RS	Roller Shades
RSNF	Resinous Flooring
RST(R)	Resilient Stair Tread (and Riser)
RTU	Roof Top Unit
RWC	Rigid Wall Covering

ARCHITECTURAL ABBREVIATIONS

(S)	Salvage
S	South
SA	Supply Air
SACMU	Sound Absorbing Concrete Masonry Unit
SCHED	Schedule(d)
SCP	Scupper
SECT	Section
SF	Square Feet (Foot); Storefront
SFRM	Sprayed Fire-Resistive Material
SG	Sign(age)
SGFT	Structural Glazed Facing Tile
SH	Single Hung
SHR	Shower
SHT	Sheet
SHTHG	Sheathing
SHV	Shelving
SIM	Similar
SLR	Sealer
SM	Sheet Metal
SNF	Skilled Nursing Facility
SPEC	Specification
SPKR	Speaker
SQ	Square
SSK	Service Sink
SSM	Solid Surface Material
SSR	Standing Seam Roof
SST	Stainless Steel
ST	Stair(s); Stain(ed)
STC	Sound Transmission Class
STD	Standard
STL	Steel
STN	Stain(ed)
STO	Stone
STOR	Storage
STRUCT	Structure
SUSP	Suspend(ed); Suspension
SV	Sheet Vinyl
T	Tread(s)
T&B	Top and Bottom
T&G	Tongue and Groove
TEL	Telephone
TER	Terrazzo
TERM	Termination
TF	Transparent Finish
THK	Thick; Thickness
THRES	Threshold
TKBD	Tackboard
TKWC	Tackable Wall Covering
TMPD	Tempered
TO/	Top Of _____
TOC	Top Of Concrete
TOL	Tolerance
TOM	Top Of Masonry
TOS	Top Of Slab; Top Of Steel
TOW	Top Of Wall
TPO	Thermoplastic-Polyolefin
TPTN	Toilet Partition
TV	Television
TYP	Typical
UC	Under Counter
UNFIN	Unfinished
UNO	Unless Noted Otherwise
UR	Urinal
VAR	Varies
VCT	Vinyl Composition Tile
VDF	Visual Display Fabrics
VENT	Ventilated
VER	Verify
VERT	Vertical
VEST	Vestibule
VFPP	Vertically Folding Panel Partition
VIF	Verify In Field
VR	Vapor Retarder
VTR	Vent Through Roof
VWC	Vinyl Wall Covering
W	West; Wide; Width
W/	With
W/O	Without
WAF	Wood Athletic Flooring
WB	Weather Barrier; Wood Base
WC	Water Closet
WCP	Wood Ceiling Panel
WD	Wood
WDF	Wood Flooring
WDW	Window
WH	Wall Hung; Water Heater
WM	Wire Mesh
WOCPT	Walk-Off Carpet
WP	Waterproof(ing); Work Point
WR	Water Repellent; Water Resistant
WRD	Wall Roof Drain
WT	Window Treatment
WVWC	Wood Veneer Wall Covering
WWP	Wood Wall Panel
WWR	Welded Wire Reinforcement

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COLORADO LICENSED — ARCHITECT — REG.00405286 — 9/22/23

FITZSIMONS BUILDING
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23
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PROJECT NO:	23-178871

ARCHITECTURAL NOTES

FITZ BLDG 3RD RENO CSPH

A00.01

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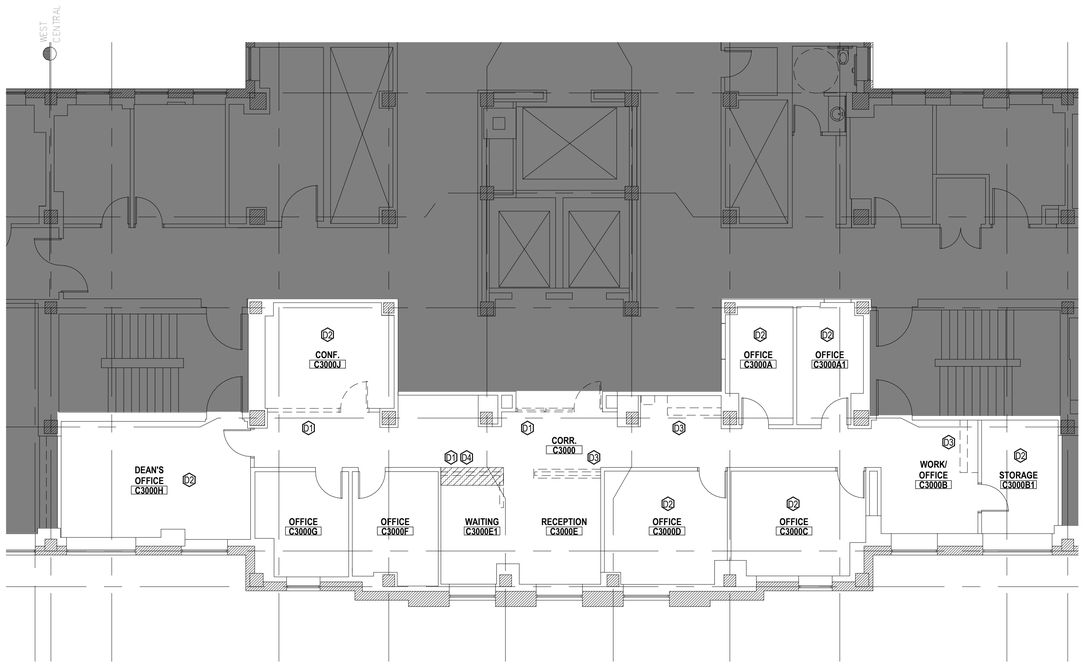

3 DEMO FLOOR PLAN LEVEL 3

1/8" = 1'-0"

DEMOLITION PLAN KEY NOTES:

1. REMOVE EXISTING CARPET AND BASE IN SELECT OFFICES WITHIN SUITE. PREP FLOOR TO RECEIVE NEW CARPET TILE
2. REMOVE ALL EXISTING BASE AND UPPER CABINETS.

DEMOLITION KEYED NOTES:

- D1 DEMOLISH EXISTING WALL, WINDOW AND DOOR AS SHOWN - FLOOR TO CEILING. PROVIDE NOTICE TO CU PROJECT MANAGER FOR HAZARDOUS MATERIALS TESTING.
- D2 REMOVE EXISTING CARPET AND BASE. PREPARE FLOOR TO RECIEVE NEW CARPET TILE
- D3 DEMO CASEWORK (BASE & UPPERS)
- D4 DEMO EXISTING ACT & GRID TO EXTEND TO ADJACENT SOFFIT

DEMOLITION LEGEND:

AREA OF DEMOLITION (WALLS, DOORS, WINDOW OR CASEWORK): RE KEYED NOTES

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FITZ BLDG 3RD RENO CSPH

PARTIAL DEMOLITION PLAN - LEVEL 3

AD01.10

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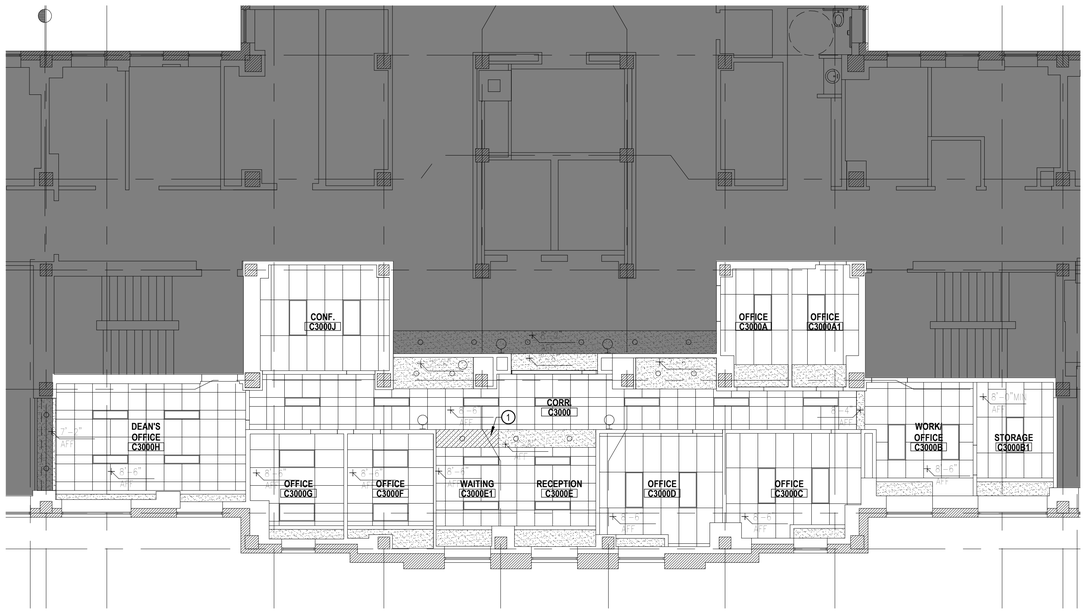


2 REFLECTED CEILING PLAN

1/8" = 1'-0"

REFLECTED CEILING PLAN KEY NOTES:

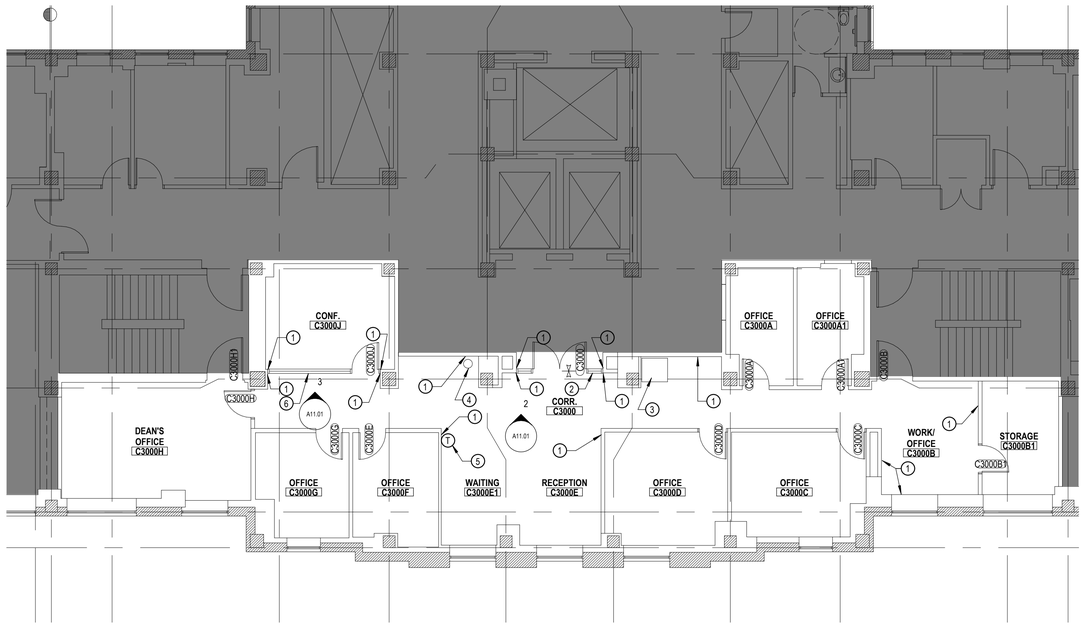
1. EXISTING CEILING TILE AND GRID SYSTEM TO REMAIN. IF ANY TILE OR PORTIONS OF THE GRID SYSTEM GETS DAMAGED DURING CONSTRUCITON, REPLACE THE DAMAGED PORTION WITH NEW TO MATCH EXSITING.
2. ALL LIGHTING TO BE REPLACED, RE: ELECTRICAL
3. ALL GYPSUM BOARD SOFFITS TO BE PAINTED, RE: FINISH SCHEDULE
4. GYPSUM BOARD SOFFITS DAMAGED DURING RENOVATIONS ARE TO BE PATCHED TO MATCH EXISTING, PAINT CORNER TO CORNER TO MATCH ADJACENT SOFFIT.

REFLECTED CEILING PLAN LEGEND

- EXISTGING SOFFIT - TO BE PAINTED PER FINISH SCHEDULE
- NEW SOFFIT - TO BE PAINTED PER FINISH SCHEDULE

KEYED NOTES - REFLECTED CEILING PLAN:

1. NEW SOFFIT, MATCH ADJACENT SOFFIT WIDTH, DEPTH AND FINISH. PAINT TO MATCH ADJACENT.



1 FLOOR PLAN LEVEL 3

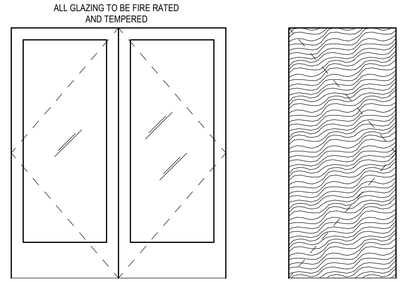
1/8" = 1'-0"

KEYED NOTES - FLOOR PLAN:

1. PATCH WALL TO MATCH ADJCENT. PAINT WALL FROM TOP TO BOTTOM AND CORNER TO CORNER, RE FINISH SCHEDULLE.
2. NEW STOREFRONT SYSTEM, RE: A11.01
3. NEW REFRIGERATOR WITH WATER LINE FOR ICE MAKER, RE: ELECTRICAL & PLUMBING
4. NEW WATER COOLER WITH WATER LINE, RE: ELECTRICAL & PLUMBING
5. RELOCATED THERMOSTAT, RE: MECH.
6. NEW "ALUR" GLASS AND MODULARDIVIDING WALL

GENERAL NOTES - FLOOR PLAN:

1. IN AREAS OF DEMILITION, PATCH WALLS TO MATCH EXISTING CONDITIONS
2. PAINT ALL WALLS AND EXISTING H.M. DOOR FRAMES, RE: FINISH SCHEDULE
3. SEE REFLECTED CEILING PLAN FOR NEW SOFFIT OVER WAITING AREA



DOOR TYPES

NOTE: CONTRACTOR TO VERIFY EXISTING SOFFIT HIEGHT AT SUITE ENTRY DOOR C3000

DOOR AND FRAME SCHEDULE

DOOR #	DOOR W	DOOR H	DOOR T	DOOR PAIR	PANEL TYPE	PANEL MAT.	PANEL FINISH	PANEL GLAZING	FRAME TYPE	FRAME MAT.	FRAME FINISH	FIRE RATING	HARDWARE HDWR GROUP	HARDWARE ACCESS CNTL	REMARKS
C3000	3'-0"	7'-0"	1 3/4"	YES	SF1	ALUM.	FACTORY	90 MIN.	-	ALUM.	FACTORY	90 MIN.	1	YES	NEW STOREFRONT SYSTEM
C3000J	3'-0"	7'-0"	1 3/4"		F	WD	FACTORY		-	ALUM.	FACTORY		2		NEW WOOD DOOR AND INSET PANEL TO MATCH EXISTING SUITE DOORS

HARDWARE GROUPS

SET 1

DOOR C3000

QTY	TYPE	MODEL	FINISH	MANUF
6	HINGE, FULL MORTISE, HVY WT	MODEL #	FINISH	MANUF
1	CYLINDRICAL LOCK (STOREROOM)	MODEL #	FINISH	MANUF
2	DOOR CLOSER (HD ARM, PUSH SIDE)	MODEL #	FINISH	MANUF
1	ELECTRIC STRIKE (FAIL SECURE)	MODEL #	FINISH	MANUF
1	CARD READER	MODEL #	FINISH	MANUF
1	POSITION SENSOR	MODEL #	FINISH	MANUF
1	POWER SUPPLY	MODEL #	FINISH	MANUF
1	MOTION SENSOR	MODEL #	FINISH	MANUF

SET 2

DOOR C3000J

QTY	TYPE	MODEL	FINISH	MANUF
1	DOOR LEVER	9K37L14DS3619	619	BEST ACCESS
1	PIVOT SET	OP440	STANDARD	DORMAKABA
1	MAGNETIC STOP	-	STANDARD	DORMAKABA
1	STRIKE	8KS3	626	BEST ACCESS

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PARTIAL FLOOR PLAN - LEVEL 3

A01.10

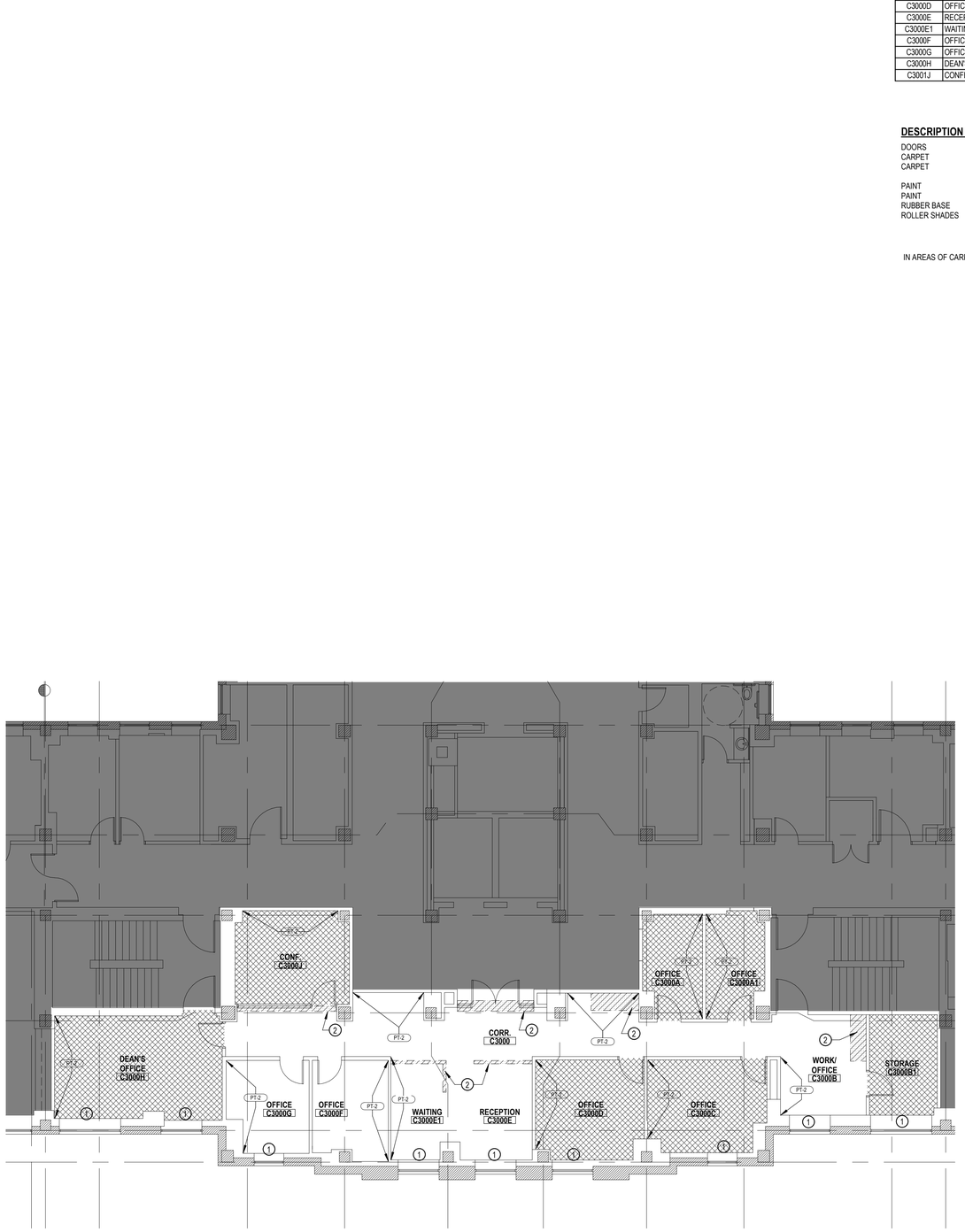
ROOM FINISH SCHEDULE

ROOM		FLOOR		WALL FINISH		MILLWORK MATERIAL			
NUMBER	NAME	FINISH	BASE	GENERAL	ACCENT	CABINET	COUNTERTOP	NOTES	NUMBER
C3000	CORRIDOR	EXIST/ CPT1	EXIST/ RB1	PT1	PT2			PAINT EXPOSED SOFFITS PT1	C3000
C3000A	OFFICE	CPT1	RB1	PT1	PT2			PAINT EXPOSED SOFFITS PT1	C3000A
C3000A1	OFFICE	CPT1	RB1	PT1	PT2			PAINT EXPOSED SOFFITS PT1	C3000A1
C3000B	WORK/ OFFICE	EXIST/ CPT1	EXIST/ RB1	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000B
C3000B1	STORAGE	CPT1	RB1	PT1				RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000B1
C3000C	OFFICE	CPT1	RB1	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000C
C3000D	OFFICE	CPT1	RB1	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000D
C3000E	RECEPTION	CPT2	RB1	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000E
C3000E1	WAITING	CPT2	RB1	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000E1
C3000F	OFFICE	EXIST	EXIST	PT1	PT2			PAINT EXPOSED SOFFITS PT1	C3000F
C3000G	OFFICE	EXIST	EXIST	PT1	PT2			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000G
C3000H	DEAN'S OFFICE	CPT1	RB1	EXIST	EXIST			RS1 AT ALL WINDOWS, PAINT EXPOSED SOFFITS PT1	C3000H
C3001J	CONFERENCE	CPT1	RB1	PT1	PT2				C3001J

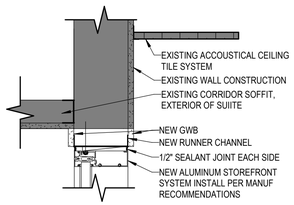
FINISH & MATERIALS LEGEND:

DESCRIPTION	KEY	MANUFACTURER	PRODUCT	COLOR	NOTES
DOORS	N/A	SEE SPEC	N/A	MATCH EXIST	
CARPET	CPT1	SHAW CONTRACT	DUNE TILE 5T349	SEDIMENT 49580	PRIMARY CARPET
CARPET	CPT2	SHAW CONTRACT	DUNE TILE 5T349	STORMY 49500	PATCHING AT C3000E & C3000E1 ONLY
PAINT	PT1	SHERWIN WILLIAMS	N/A	SW 6224 MOUNATIN AIR	PRIMARY COLOR
PAINT	PT2	SHERWIN WILLIAMS	N/A	SW 6227 MEDITATIVE	ACCENT COLOR
RUBBER BASE	RB1	ROPPE	4 1/2", BASIC TOE	CHARCOAL - 123	MATCH EXIST
ROLLER SHADES	RS1	DRAPER	MANUAL E SCREEN BASKET WEAVE W/ FASCIA	CHARCOAL (BASIS OF DESIGN)	5% OPENESS - FINAL
				PROVIDE FASCIA	COLOR TBD

IN AREAS OF CARPET PATCHING, MATCH NEW CARPET TO SURROUNDING EXISTING CARPET.



1 FINISH PLAN LEVEL 3
1/8" = 1'-0"



4 STOREFRONT HEAD DETAIL
1 1/2" = 1'-0"

FLOORING LEGEND:

AREAS OF CARPET TILE PATCHING

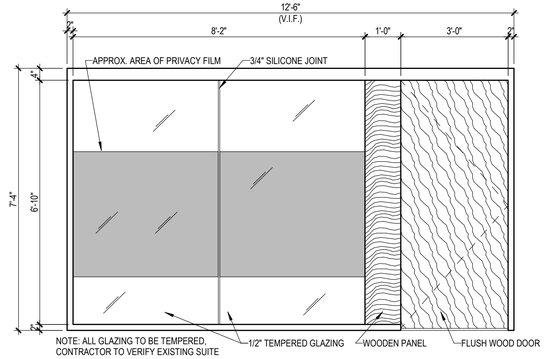
ROOMS WITH NEW CARPET TILE

GENERAL NOTES - FINISH PLAN:

1. NEW CARPET TILES IN AREAS SHOWN
2. PAINT WALLS, SOFFITS AND EXISTING DOOR FRAMES, RE: FINISH SCHEDULE

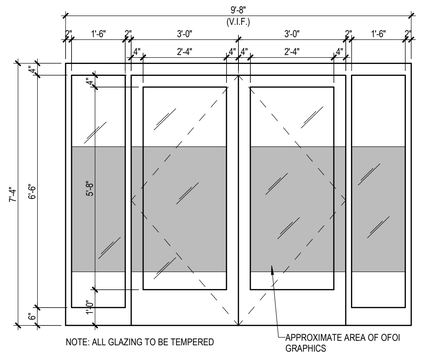
KEYED NOTES - FINISH PLAN:

1. NEW ROLLER SHADE BLINDS FULL HEIGHT OF WINDOW
2. AREA OF CARPET TILE PATCH, REMOVE ANY PARTIAL PLANKS AND INSTALL FULL NEW PLANK. MATCH WITH ADJACENT COLOR.



NOTE: ALL GLAZING TO BE TEMPERED, CONTRACTOR TO VERIFY EXISTING SUITE OFFICES DOOR HEIGHT, MATCH NEW DOOR HEIGHT TO EXISTING. NEW DOOR & INSET PANEL TO MATCH EXISTING SUITE DOORS SPECIES AND COLOR

3 OFFICE C3000J "ALUR" GLASS AND MODULAR DIVIDING WALL ELEVATION
1/2" = 1'-0"



NOTE: ALL GLAZING TO BE TEMPERED

2 ALUM ENTRY STOREFRONT
1/2" = 1'-0"

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FINISH PLAN

FITZ BLDG 3RD RENO CSPH

A11.01

ELECTRICAL LEGEND (NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THESE DRAWINGS)

– ONE LINE SYMBOLS –

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	DRAW–OUT CIRCUIT BREAKER (MOLDED INSULATED CASE)
CB	DRAW–OUT POWER CIRCUIT BREAKER
	CONTROL FUSE
	FUSE WITH SWITCH
	SWITCH
PANEL XXX	PANELBOARD
ATS–XX XXX A	AUTOMATIC TRANSFER SWITCH
100A4G	FEEDER DESIGNATION, SEE FEEDER SCHEDULE
	AUTOMATIC TRANSFER SWITCH WITH BY–PASS
E	ENGINE GENERATOR
TX–XXXX	TRANSFORMER
	ENCLOSED BUSWAY
	GROUND BUS
	WEATHERHEAD
M	MOTOR
	DELTA CONNECTION
	WYE CONNECTION
	GROUNDED WYE CONNECTION
	GROUNDED WYE CONNECTION WITH RESISTOR GROUND
	GROUNDED WYE CONNECTION WITH REACTOR GROUND
M	METERING DEVICE
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	LOAD–BREAK CONNECTOR
#	PROTECTIVE RELAY DEVICE
K	KEY INTERLOCK
2400V,100A, 10SEC. RESISTOR	RESISTOR
	CONTACT NORMALLY OPEN
	CONTACT NORMALLY CLOSED
	CAPACITOR
	SINGLE BATTERY
	MULTIPLE BATTERIES
	LIGHTNING ARRESTOR
	THERMAL ELEMENT, OVERLOAD RELAY

– GENERAL –

SYMBOL	DESCRIPTION
	BRANCH CIRCUIT HOME RUN TO PANELBOARD, DESIGNATION INDICATES PANEL AND CIRCUIT NUMBERS
	CONTROL WIRING
	LIGHTING, ONE–LINE, AND POWER CIRCUITING
	LIGHTING, ONE–LINE, AND POWER CIRCUITING (UNDERGROUND)
	FLEXIBLE CONDUIT
	CONDUIT BREAK SYMBOL
	CONDUIT CAP
	CONDUIT CHANGE IN ELEVATION
	CONDUIT STUB DOWN (OUT OF DRAWING LIMITS)
	CONDUIT STUB UP (OUT OF DRAWING LIMITS)
J	JUNCTION BOX
J	WALL MOUNTED JUNCTION BOX
J	FLOOR MOUNTED JUNCTION BOX
	PUSH BUTTON A = ABORT DA = DURESS ALARM EPO = EMERGENCY POWER OFF IC = INTERCOM ST = SHUNT TRIP
S#	SWITCH SYMBOL (#) SINGLE POLE (IF BLANK) 2 = DOUBLE POLE 3 = THREE–WAY 4 = FOUR–WAY AS = ADJUSTABLE SPEED D = DIMMER K = KEY OPERATED LV = LOW VOLTAGE M = MANUAL MOTOR SWITCH OS = OCCUPANCY SENSOR P = WITH PILOT LIGHT T = TIMER TO = THERMAL OVERLOAD VS = VACANCY SENSOR WP = WEATHERPROOF x = SMALL LETTER – LUMINAIRES CONTROLLED XP = EXPLOSION PROOF
SS	DUAL SWITCH
$	INTERCOM SWITCH

– FIRE ALARM DEVICES –

SYMBOL	DESCRIPTION
B	BELL
D	DUCT SMOKE DETECTOR
	FIRE FIGHTER'S TELEPHONE JACK
H	COMBINATION FIRE HORN/STROBE LIGHT
S	COMBINATION FIRE SPEAKER/STROBE LIGHT
	FIRE ALARM STROBE LIGHT
	FIRE ALARM STROBE, CEILING MOUNT
	FIRE ALARM STROBE/SPEAKER, CEILING MOUNT
H	FIRE HORN
DH	DUAL PROJECTION FIRE HORN
F	MANUAL PULL STATION
	MAGNETIC DOOR HOLD OPEN
D / DX	DETECTOR / DETECTOR UNDER FLOOR F = FLAME I = IONIZATION TYPE P = PHOTOELECTRIC TYPE T = THERMAL TYPE
B	BEAM DETECTOR
	PULL STATION/TELEPHONE JACK
	DELUGE VALVE

– SPECIAL SYSTEMS DEVICES –

SYMBOL	DESCRIPTION
	DATA OUTLET
	COMBINATION TELEPHONE/DATA OUTLET
	TELEPHONE OUTLET
	TELEVISION JACK
	CEILING MOUNTED DATA OUTLET
	CEILING MOUNTED TELEPHONE/DATA OUTLET
	CEILING MOUNTED TELEPHONE OUTLET
	FLOOR MOUNTED DATA OUTLET
	FLOOR MOUNTED TELEPHONE/DATA OUTLET
	FLOOR MOUNTED TELEPHONE OUTLET
TTB	TELEPHONE TERMINAL BOARD
DTB	DATA TERMINAL BOARD
M	MICROPHONE OUTLET
SX	SPEAKER V = WITH INTEGRAL VOLUME CONTROL
SH	WALL MOUNTED SPEAKER
VH	WALL MOUNTED VOLUME CONTROL
C	CLOCK RECEPTACLE OUTLET
	SECURITY CAMERA
T	THERMOSTAT
XX	SPECIAL SYSTEMS SYMBOLS: AB = ABORT BUTTON AMP = AMPLIFIER ANN = ANNUNCIATOR ASD = ADJUSTABLE SPEED DRIVE ATS = AUTOMATIC TRANSFER SWITCH B = BUZZER BMS = BALANCED MAGNETIC STRIP CAM = CONTROL ADDRESSABLE MODULE CH = CHIME CK = CARD READER/KEYPAD CR = CARD READER DA = DURESS ALARM PUSH–BUTTON DC = DOOR CONTACT DE = DELAYED EGRESS DMA = DOOR MANAGEMENT ALARM DO = DOOR OPERATOR DS = DOOR STRIKE DTC = DATA TERMINAL CABINET DVR = DIGITAL VIDEO RECORDER EC = ELECTRICAL CONTACTOR EL = ELECTRIC LOCK ES = ELECTRIC STRIKE F = MANUAL PULL STATION FAA = FIRE ALARM ANNUNCIATOR FACP = FIRE ALARM CONTROL PANEL FS = FLOW SWITCH FSD = FIRE SMOKE DAMPER GB = GLASSBREAK DETECTOR HC = HANDICAP PUSH–BUTTON IC = INTERCOM CALL STATION IP = INDICATOR PANEL KP = KEYPAD MAM = MONITOR ADDRESSABLE MODULE MH = MANHOLE MD = MOTORIZED DAMPER MS = MOTION SENSOR ML = MAGNETIC LOCK NCMS = NURSE CALL MASTER STATION CM–CENTRALIZED PHYSIOLOGICAL MONITORING STATION NCT = NURSE CALL TERMINAL CABINET OS = OCCUPANCY SENSOR PA = PUBLIC ADDRESS PB = PULLBOX PIR = PASSIVE INFRARED DETECTOR PM = POWER QUALITY METER PS = PRESSURE SWITCH R = REMOTE INDICATING LIGHT RT = REMOTE TEST STATION RX = REQUEST TO EXIT PUSH–BUTTON S = WALL MOUNTED SPEAKER SAP = SECURITY ALARM PANEL SPD = SURGE PROTECTIVE DEVICE TC = TIME CLOCK TS = TAMPER SWITCH VFD = VARIABLE FREQUENCY DRIVE VM = VIDEO MONITOR VS = VACANCY SENSOR

– POWER –

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE D = DEDICATED CIRCUIT IG = ISOLATED GROUND DEVICE ⏻ = AUTOMATICALLY CONTROLLED RECEPTACLE
GFI	GFI = GROUND FAULT CIRCUIT INTERRUPTER
	FLOOR MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED FOURPLEX RECEPTACLE
	FLOOR MOUNTED SPECIAL PURPOSE RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	CEILING MOUNTED FOURPLEX RECEPTACLE
	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE
	FOURPLEX RECEPTACLE
	RANGE RECEPTACLE
	SINGLE RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	SWITCHED RECEPTACLE
	DUPLEX EMERGENCY/CRITICAL
	FOURPLEX EMERGENCY/CRITICAL
	DUPLEX–2PORT USB
	4PORT USB
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER
	MOTOR STARTER
	COMBINATION MOTOR STARTER
	COMBINATION SWITCH AND RECEPTACLE
	CONDUIT SEAL OFF
	FIRE RATED POKE–THROUGH
	PARTITION CIRCUIT SPLIT
	POWER POLE
	SURFACE RACEWAY
M	METER

– NURSE CALL –

SYMBOL	DESCRIPTION
CB	CODE BLUE STATION
CP	CODE PINK STATION
EP	EMERGENCY CALL PULL STATION
SP	SINGLE PATIENT STATION
SA	STAFF ASSIST STATION
AI	AUXILIARY INPUT STATION
DS	DUTY STATION
SS	STAFF STATION
BI	BED INTERFACE STATION
2B	TWO BUTTON STATION
BM	BED MANAGEMENT STATION
D	DOME LIGHT
Z	ZONE LIGHT INTERSECTION
RL	REMOTE LOCATOR
PM	PATIENT MONITOR

– LIGHTING – (REFER TO LUMINAIRE SCHEDULE)

SYMBOL	DESCRIPTION
X * #	LUMINAIRES X = FIXTURE DESIGNATION # = BRANCH CIRCUIT NUMBER * = SWITCH LEG IDENTIFIER
	SHADING INDICATES LUMINAIRE ON LIFE SAFETY
	SHADING INDICATES PORTION OF LUMINAIRE ON LIFE SAFETY
	WALL MOUNTED LUMINAIRE
	STRIP LIGHT
	STRIP LIGHT WITH LIFE SAFETY
	POLE MOUNTED LUMINAIRE (QUANTITY OF LUMINAIRES PER POLE AS INDICATED ON PLANS)
	DOWNLIGHT LUMINAIRE
	WALL WASHER LUMINAIRE
	ADJUSTABLE LUMINAIRE
	PENDANT LUMINAIRE
	TRACK LIGHTING
P	PHOTOCELL
	EXIT LIGHT (WITH FACES AND DIRECTION ARROWS INDICATED)
	WALL MOUNTED EXIT LIGHT (WITH FACES AND DIRECTION ARROWS INDICATED)
	WALL MOUNTED BATTERY PACK EMERGENCY LIGHT

– GROUNDING SYMBOLS –

SYMBOL	DESCRIPTION
	GROUND TEST WELL
	GROUNDING CONDUCTOR
	LIGHTNING PROTECTION AIR TERMINAL
	BONDING POINT
	GROUND BAR
	ELECTRICAL GROUND
	GROUND ROD
	GROUND ROD WITH INSPECTION TEST WELL
	PIGTAIL

– EQUIPMENT –

SYMBOL	DESCRIPTION
	DISTRIBUTION PANEL
	EXISTING DISTRIBUTION PANEL
	NEW PANEL, FLUSH MOUNTED
	EXISTING PANEL, FLUSH MOUNTED
	NEW PANEL, SURFACE MOUNTED
	EXISTING PANEL, SURFACE
T	TRANSFORMER

– ABBREVIATIONS –

(E)	EXISTING
(N)	NEW
(PART)	PARTIAL CIRCUIT
A	AMP
AC	ABOVE COUNTER TOP
AF	AMP FRAME, AMP FUSE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
APL	APPLIANCE
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIOVISUAL
BJ	BONDING JUMPER
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CIRCUIT
CCTV	CLOSED CIRCUIT T.V.
CLG	CEILING
CU	COPPER
DISC	DISCONNECT
DIST	DISTRIBUTION
E/G	ENGINE/GENERATOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR ELEVATION
EM	EMERGENCY
EQPT	EQUIPMENT
F	FUSE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FIXT	FIXTURE
FO	FIBER OPTIC
FLR	FLOOR
FLUOR	FLUORESCENT
G	GROUND (EQUIPMENT)
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GF	GROUND FAULT PROTECTION
GND	GROUND
HC	HANDICAPPED
HG	HOSPITAL GRADE
HP	HORSEPOWER
HV	HIGH VOLTAGE
INC	INCANDESCENT
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
JB	JUNCTION BOX
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA T.V.
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MH	MANHOLE
MLO	MAIN LUGS ONLY
MOP	METHOD OF PROCEDURE
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
MV	MEDIUM VOLTAGE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON–FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
OHE	OVERHEAD ELECTRIC
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PH	PHASE
PNL	PANEL
PWR	POWER
RCPT(S)	RECEPTACLE(S)
SBC	STRANDED BARE COPPER
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEL	TELEPHONE
TP	TAMPERPROOF
TV	TELEVISION
UF	UNDERFLOOR
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
VP	VAPOR PROOF
W	WIRE
WAP	WIRELESS ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

APPLICABLE CODES

AHJ: UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CENTER

FIRE AUTHORITY: AURORA FIRE

REMODEL ☒ NEW ☐

YEAR	CODE
2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE
2021	INTERNATIONAL FIRE CODE
2023	NATIONAL ELECTRICAL CODE

IS THE BUILDING FULLY SPRINKLERED? ☒ YES ☐ NO

IS THE BUILDING FULLY DETECTED? ☒ YES ☐ NO

– GRAPHIC SYMBOLS –

1	KEY NOTE
1	REVISION NUMBER
X	DETAIL NOTE
X	X = DENOTES ALL LUMINAIRES IN THE RESPECTIVE AREA ARE THE TYPE INDICATED, REFER TO LUMINAIRE SCHEDULE
TAG	PANEL FLAG
TAG	OWNER EQUIPMENT TAG
SX	LIGHTING CONTROL SEQUENCE INDICATION, SEE LIGHTING CONTROL SEQUENCE OF OPERATION SCHEDULE FOR INFORMATION X = DENOTES ILLUMINATION SET POINT
TAG	MECHANICAL EQUIPMENT TAG
	SHADING INDICATES EQUIPMENT
	HATCHING INDICATES ITEM(S) TO BE REMOVED
A100	ROOM NUMBER
	NORTH ARROW
1 / E2.1	DETAIL BUBBLE DETAIL NUMBER SHEET NUMBER – WHERE DETAIL IS SHOWN
2 / E2.2	SECTION CUT SECTION NUMBER/LETTER SHEET NUMBER – WHERE SECTION IS SHOWN

GENERAL NOTES

SPECIFICATIONS ARE A PART OF THE CONSTRUCTION DOCUMENTS. SHOULD ANY CONFLICT ARISE BETWEEN THE DRAWINGS AND SPECIFICATIONS, BRING SUCH CONFLICT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION. UNLESS OTHERWISE DIRECTED BY ENGINEER, THE MOST STRINGENT REQUIREMENT WILL PREVAIL.

DATA ON THE DRAWINGS IS AS EXACT AS COULD BE REASONABLY SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED. VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES. ADAPT WORK TO ACTUAL CONDITIONS AT THE SITE. BEFORE SUBMITTING COSTS VISIT THE SITE TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THIS PROJECT. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE; DO NOT SCALE. THESE DRAWINGS DO NOT SHOW MATERIALS FOR A COMPLETE INSTALLATION; PLAN THE INSTALLATION AND LAYOUT OF THE WORK AS DIAGRAMMED IN THESE DOCUMENTS. REFER TO FLOOR PLANS, SCHEMATICS AND DIAGRAMS OF OTHER TRADES FOR ELECTRICAL REQUIREMENTS, BRANCH CIRCUITS AND OTHER ELECTRICAL CONNECTIONS NOT INDICATED ON THESE DOCUMENTS.

FIRE–SEAL ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS WITH MATERIALS CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM E814.

JUNCTION BOXES FOR LUMINAIRES AND OUTLETS ARE NOT INDICATED. PROVIDE THE PROPER NUMBER OF JUNCTION BOXES TO MEET LOCAL CODE AND NATIONAL ELECTRICAL CODE.

EXECUTE THE WORK IN ACCORDANCE WITH SUPPORTING OBJECTS FOR SEISMIC ZONE REQUIRED BY STATE AND LOCAL CODES ALL CEILING ATTACHED OBJECTS AND FLOOR ATTACHED EQUIPMENT INCLUDING, BUT NOT LIMITED TO: PENDANT LIGHTING FIXTURES, GENERAL LIGHTING, MULTIPLE RACEWAYS, GENERATOR, TRANSFORMER, ELECTRICAL SWITCHGEAR, SWITCHBOARDS AND OTHER ELECTRICAL EQUIPMENT.

WHERE DISCONNECTS ARE INDICATED ON DRAWINGS PROVIDE FINAL CONNECTION TO EQUIPMENT BEING SERVED BY DISCONNECT. DISCONNECTING MEANS FOR ALL MECHANICAL EQUIPMENT SHALL BE ACCESSIBLE AND HAVE THE CLEARANCE REQUIRED BY NEC.

UP–TO–DATE ELECTRICAL RECORD DRAWINGS ARE NOT AVAILABLE FOR THIS PROJECT. INFORMATION FOR EXISTING CIRCUITRY IS BASED ON EXISTING PANEL DIRECTORIES, AVAILABLE DRAWINGS, AND ASSUMPTIONS. LOCATIONS AND INFORMATION FOR EXISTING ELECTRICAL DEVICES AND EQUIPMENT SHOWN ON THESE DOCUMENTS ARE APPROXIMATE AND WERE DERIVED FROM FIELD OBSERVATION AND AVAILABLE RECORD DRAWINGS. VERIFY ACTUAL FIELD CONDITIONS PRIOR TO STARTING WORK.

REV: 06/29/2020

SHEET SIZE: 24" X 36"
PDFs PRINTED: 8/18/2023 4:43:33 PM

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09/27/2023

FITZ BLDG
3RD RENO CSPH
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23

ISSUANCE	DATE
ISSUED:	09/22/23

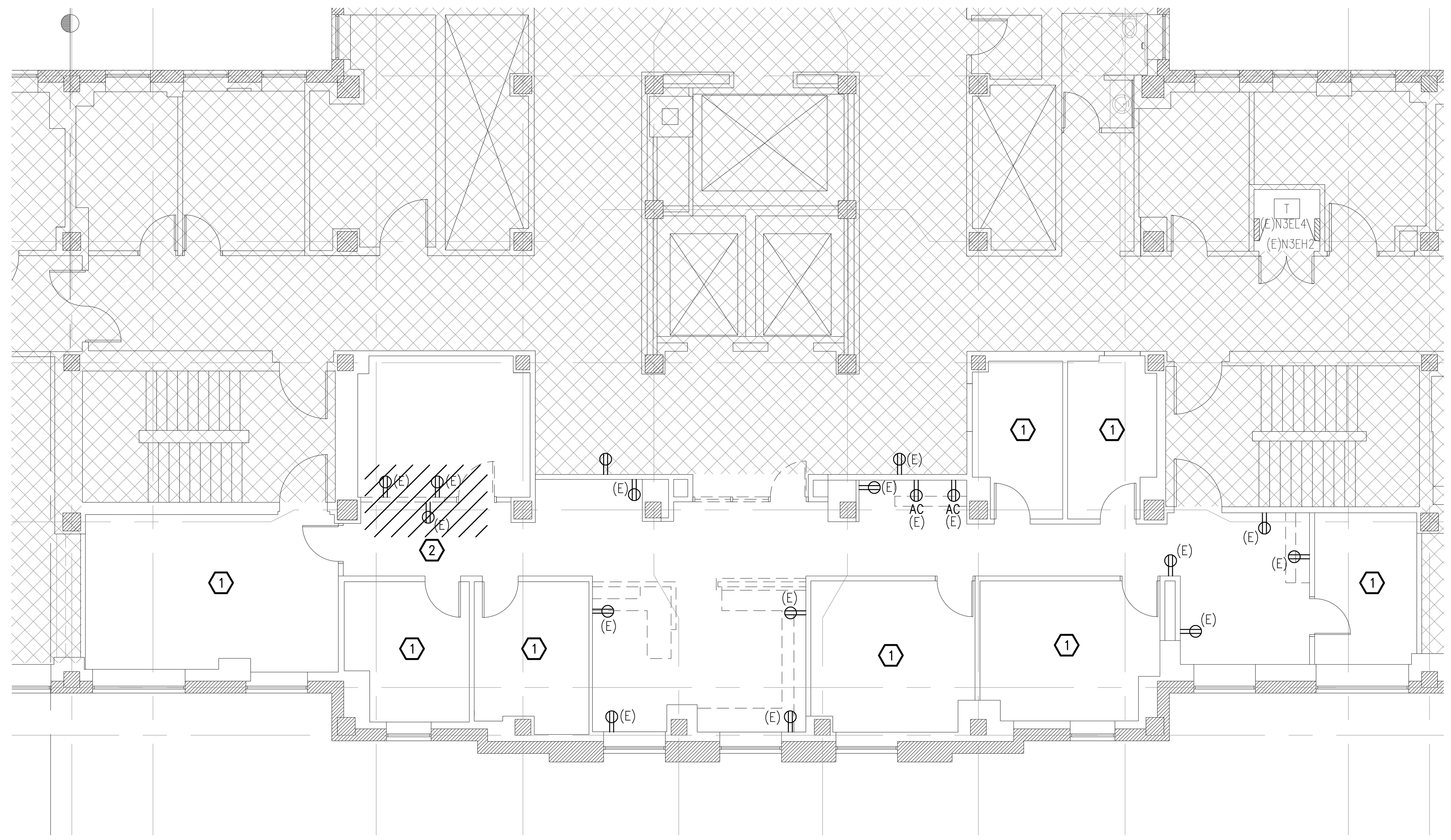
PROJECT NO: 23-178871

RDG Planning & Design
THESE DOCUMENTS HAVE BEEN PREPARED BY RDG Bl Inc. SPECIFICALLY FOR THE FITZ BLDG 3RD RENO CSPH

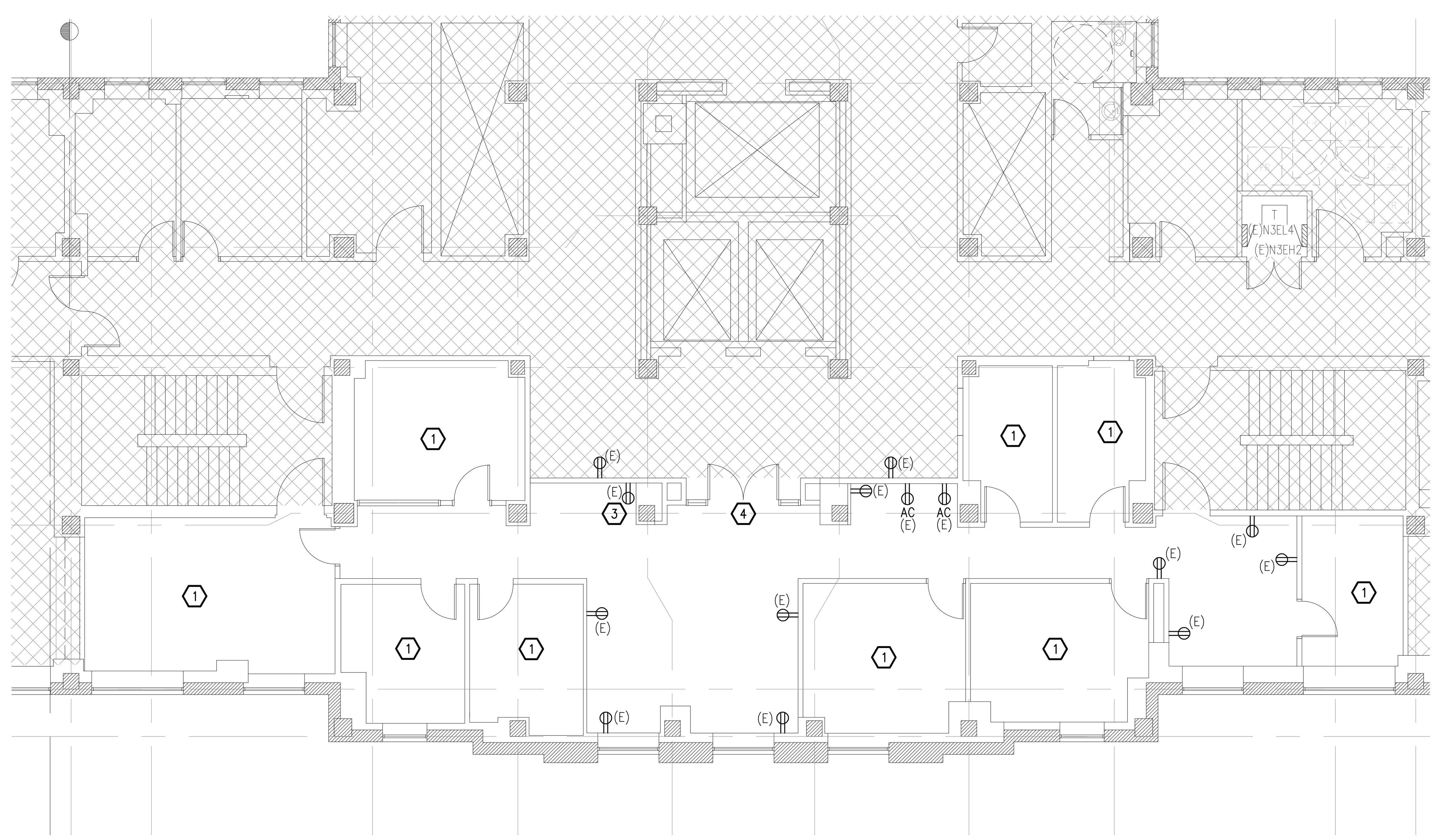
ELECTRICAL LEGEND

FITZ BLDG 3RD RENO CSPH

E00.00



1 FLOOR PLAN LEVEL 3 - DEMOLITION
1/8" = 1'-0"



2 FLOOR PLAN LEVEL 3
1/8" = 1'-0"

SHEET NOTES

1. LIGHT LINE WEIGHT INDICATES EXISTING. HEAVY LINE WEIGHT INDICATES NEW CONSTRUCTION. HATCHING INDICATES DEMOLITION.
2. UNLESS OTHERWISE INDICATED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF THEM IN AN APPROVED CONSTRUCTION AND DEMOLITION WASTE LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
3. COORDINATE DISPOSAL LOCATION WITH OWNERS REPRESENTATIVE PRIOR TO DISPOSING OF ANY REMOVED ELECTRICAL EQUIPMENT.
4. WORK SHOWN HATCHED IS EXISTING TO BE REMOVED. REMOVE ALL DEVICES ON WALLS WHICH ARE REMOVED. WHERE DEVICES ARE REMOVED, REMOVE ASSOCIATED CIRCUIT CONDUCTORS AND CONDUIT BACK TO THE SERVING PANELBOARD OR NEXT DEVICE ON THE CIRCUIT WHICH REMAINS (MAINTAIN CIRCUIT CONTINUITY). REMOVE ALL ABANDONED CABLING AND SUPPORTS ABOVE THE CEILING AND PROVIDE COVERS TO ALL ELECTRICAL JUNCTION BOXES FOUND UNCOVERED WITHIN THE SCOPE OF WORK.
5. PROVIDE PROPER SUPPORT FOR ALL LOW VOLTAGE CABLING WITHIN THE SCOPE OF WORK.
6. INFORMATION ON THE DRAWINGS HAS BEEN TAKEN FROM RECORD DRAWINGS. DEMOLITION DRAWINGS ARE INTENDED TO GIVE A COMMON BASIS FOR WORK. VISIT THE SITE, PRIOR TO FINAL PRICING AND BECOME FAMILIAR WITH THE EXTENT OF WORK REQUIRED. NO EXTRAS WILL BE ALLOWED FOR ALTERATIONS OF A FORESEEABLE NATURE REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY THE CONTRACT DOCUMENTS.
7. PATCH AND PAINT ANY DAMAGED SURFACES DUE TO DEMOLITION AND CONSTRUCTION TO MATCH EXISTING CONDITIONS. SEAL ALL PENETRATIONS THROUGH RATED CEILINGS AND WALLS WITH UL LISTED SEALANTS AND FIRESTOPPING MATERIALS.
8. COORDINATE CEILING CONDUIT ROUGH–IN WITH MECHANICAL CONTRACTOR TO ENSURE NO CONFLICTS IN LIMITED ABOVE CEILING SPACE.
9. UPDATE PANEL SCHEDULES TO REFLECT INSTALLED CONDITIONS AFTER CONSTRUCTION IS COMPLETE.
10. EXISTING CIRCUIT INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY. TRACE ALL EXISTING CIRCUITS AFFECTED BY THIS WORK TO CONFIRM SOURCE PANEL AND CIRCUIT NUMBERS.
11. THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. DATA PRESENTED ON THIS DRAWING IS AS ACCURATE AS CAN BE DETERMINED, BUT ACCURACY IS NOT GUARANTEED. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER IS NEITHER RESPONSIBLE FOR ITS ACCURACY, NOR ERRORS NOR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DOCUMENTS. FIELD VERIFICATION OF ALL AFFECTED COMPONENTS IS REQUIRED.
12. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS FOR BRANCH CIRCUITS SHALL BE #12 AWG PROTECTED BY 20–AMPERE CIRCUIT BREAKERS. INCREASE CONDUCTOR SIZE TO ACCOUNT FOR VOLTAGE DROP FOR ALL 120–VOLT CIRCUITS OVER 75 FEET, AND ALL 277–VOLT CIRCUITS OVER 150 FEET TO THE FIRST OUTLET. CONDUCTOR SIZE SHALL BE UNIFORM FOR THE ENTIRE LENGTH OF THE CIRCUIT UNLESS NOTED OTHERWISE. HOMERUNS WHICH INDICATE UPGRADING CIRCUIT CONDUCTORS FOR VOLTAGE DROP, E.G., #10AWG WIRE ON 20–AMPERE CIRCUIT, SHALL HAVE THE CONDUCTOR SIZE INDICATED CARRIED THROUGHOUT THE CIRCUIT TO ALL JUNCTION BOXES UP TO AND INCLUDING THE J–BOX NEAREST THE LAST DEVICE OR LUMINAIRE.

KEY NOTES

1. ELECTRICAL POWER DEVICES LOCATED IN OFFICE IS EXISTING TO REMAIN.
2. REMOVE EXISTING ELECTRICAL DEVICES IN WALL TO ACCOMMODATE REMOVAL.
3. REPLACE EXISTING BREAKER FEEDING THIS BRANCH CIRCUIT IN PANEL N3EL4 WITH A GFCI TYPE CIRCUIT BREAKER.
4. PROVIDE ROUGH–IN FOR DOOR ACCESS CONTROL. SEE DETAIL ON SHEET E05.00 FOR FULL REQUIREMENTS.

PERMIT / CONSTRUCTION DOCUMENTS

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FITZ BLDG
3RD RENO CSPH
CU ANSCHUTZ MEDICAL CAMPUS

ISSUANCE	DATE
90% REVIEW	08/31/23

ISSUED: 09/22/23
PROJECT NO: 23-178871

ELECTRICAL PLAN 3RD FLOOR

E01.10

FITZ BLDG 3RD RENO CSPH

SHEET SIZE: 24" X 36"
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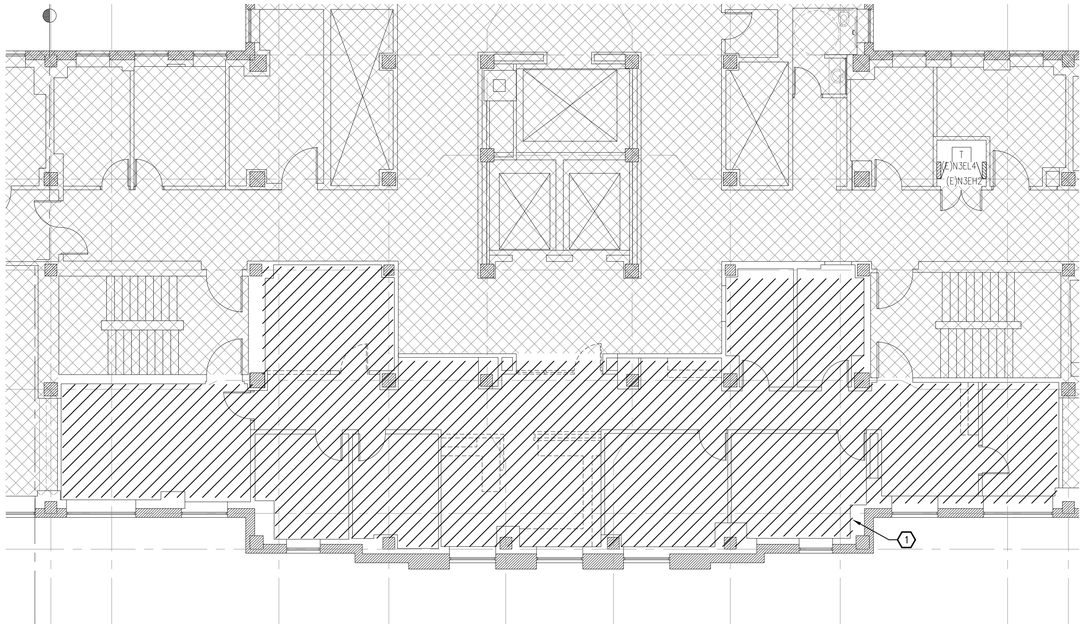

1 **REFLECTED CEILING PLAN LEVEL 3 - DEMOLITION**
1/8" = 1'-0"

SHEET NOTES

1. LIGHT LINE WEIGHT INDICATES EXISTING. HEAVY LINE WEIGHT INDICATES NEW CONSTRUCTION. HATCHING INDICATES DEMOLITION.
2. UNLESS OTHERWISE INDICATED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF THEM IN AN APPROVED CONSTRUCTION AND DEMOLITION WASTE LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
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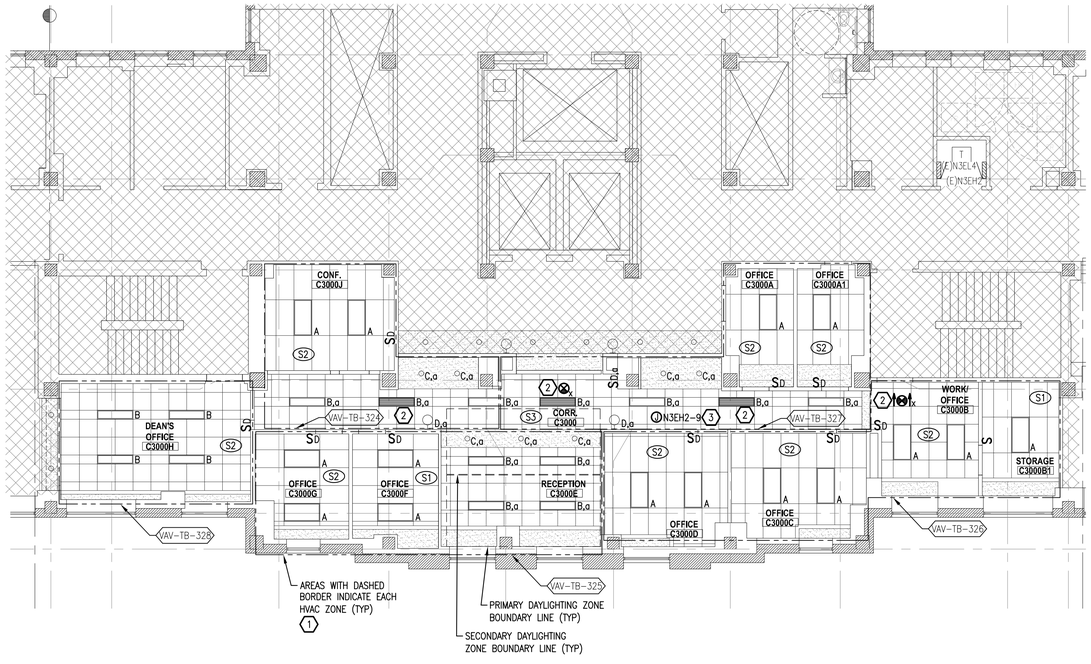
5. INFORMATION ON THE DRAWINGS HAS BEEN TAKEN FROM RECORD DRAWINGS. DEMOLITION DRAWINGS ARE INTENDED TO GIVE A COMMON BASIS FOR WORK. VISIT THE SITE, PRIOR TO FINAL PRICING AND BECOME FAMILIAR WITH THE EXTENT OF WORK REQUIRED. NO EXTRAS WILL BE ALLOWED FOR ALTERATIONS OF A FORESEEABLE NATURE REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY THE CONTRACT DOCUMENTS.
6. PATCH AND PAINT ANY DAMAGED SURFACES DUE TO DEMOLITION AND CONSTRUCTION TO MATCH EXISTING CONDITIONS. SEAL ALL PENETRATIONS THROUGH RATED CEILINGS AND WALLS WITH UL LISTED SEALANTS AND FIRESTOPPING MATERIALS.
7. COORDINATE CEILING CONDUIT ROUGH-IN WITH MECHANICAL CONTRACTOR TO ENSURE NO CONFLICTS IN LIMITED ABOVE CEILING SPACE.
8. UPDATE PANEL SCHEDULES TO REFLECT INSTALLED CONDITIONS AFTER CONSTRUCTION IS COMPLETE.
9. EXISTING CIRCUIT INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY. TRACE ALL EXISTING CIRCUITS AFFECTED BY THIS WORK TO CONFIRM SOURCE PANEL AND CIRCUIT NUMBERS.
10. THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. DATA PRESENTED ON THIS DRAWING IS AS ACCURATE AS CAN BE DETERMINED, BUT ACCURACY IS NOT GUARANTEED. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER IS NEITHER RESPONSIBLE FOR ITS ACCURACY, NOR ERRORS NOR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DOCUMENTS. FIELD VERIFICATION OF ALL AFFECTED COMPONENTS IS REQUIRED.
11. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS FOR BRANCH CIRCUITS SHALL BE #12 AWG PROTECTED BY 20-AMPERE CIRCUIT BREAKERS. INCREASE CONDUCTOR SIZE TO ACCOUNT FOR VOLTAGE DROP FOR ALL 120-VOLT CIRCUITS OVER 75 FEET, AND ALL 277-VOLT CIRCUITS OVER 150 FEET TO THE FIRST OUTLET. CONDUCTOR SIZE SHALL BE UNIFORM FOR THE ENTIRE LENGTH OF THE CIRCUIT UNLESS NOTED OTHERWISE. HOMERUNS WHICH INDICATE UPGRADING CIRCUIT CONDUCTORS FOR VOLTAGE DROP, E.G., #10AWG WIRE ON 20-AMPERE CIRCUIT, SHALL HAVE THE CONDUCTOR SIZE INDICATED CARRIED THROUGHOUT THE CIRCUIT TO ALL JUNCTION BOXES UP TO AND INCLUDING THE J-BOX NEAREST THE LAST DEVICE OR LUMINAIRE.

KEY NOTES

1. THE OCCUPANCY AND VACANCY SENSOR(S) INSTALLED WITHIN EACH HVAC ZONE, SHALL CONTROL THE ASSOCIATED VAV UNIT(S) ASSIGNED TO THAT ZONE. REFER TO LIGHTING CONTROL DIAGRAM FOR ADDITIONAL INFO. THE ASSIGNED VAV ZONING IS SUBJECT TO CHANGE DURING CONSTRUCTION. FULLY COORDINATE WITH MECHANICAL DRAWINGS AND HVAC CONTROLS INSTALLER PRIOR TO FINAL PROGRAMMING OF THE LIGHTING CONTROL SYSTEM.
2. CONNECT NEW EMERGENCY LIGHTING TO EXISTING LOCAL EMERGENCY LIGHTING BRANCH CIRCUIT AT A LOCAL JUNCTION BOX. TOTAL LOAD ON BRANCH CIRCUIT IS REDUCED. 240VA REMOVED, 90VA ADDED.
3. CONNECT NEW LIGHTING TO EXISTING LOCAL LIGHTING BRANCH CIRCUIT AT A LOCAL JUNCTION BOX. TOTAL LOAD ON BRANCH CIRCUIT IS REDUCED. 267OVA REMOVED, 919VA ADDED.



2 **REFLECTED CEILING PLAN LEVEL 3**
1/8" = 1'-0"

SHEET SIZE: 24" X 36"
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PERMIT / CONSTRUCTION DOCUMENTS

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09/27/2023
PROFESSIONAL ENGINEER

FITZ BLDG
3RD RENO CSPH

CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23

ISSUANCE	DATE
ISSUED:	09/22/23
PROJECT NO:	23-178871

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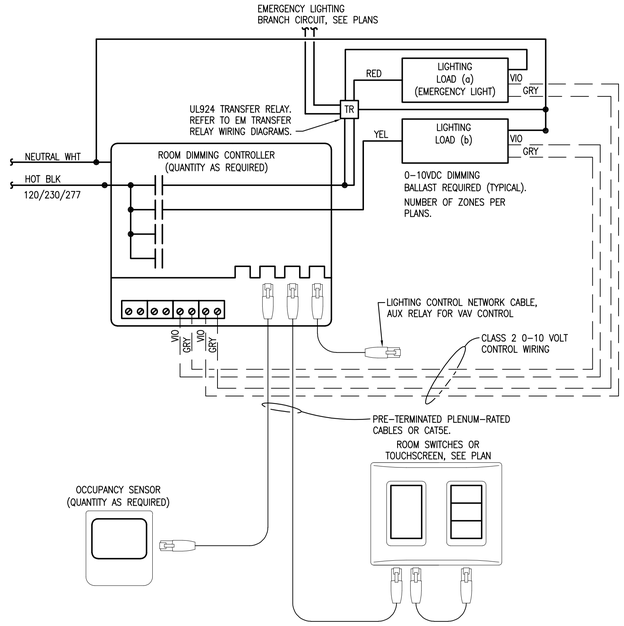
LIGHTING PLAN 3RD FLOOR

E02.10

FITZ BLDG 3RD RENO CSPH

ALL EMERGENCY LUMINAIRES SHALL BE CONTROLLED AND DIMMED WITH NORMAL LIGHTING PER ZONING INDICATED. PROVIDE UL LISTED EMERGENCY RELAYS THAT AUTOMATICALLY TURN EMERGENCY LUMINAIRES TO FULL LIGHT OUTPUT IN THE EVENT OF A POWER LOSS.



1 E05.00 ROOM LIGHTING CONTROL WIRING DIAGRAM

SCALE: NONE

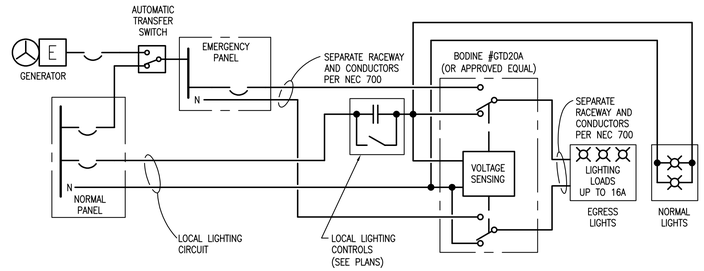
Rev.Date 11/16/2017

NOTES:

NOT ALL DEVICES IN THIS DIAGRAM MAY APPLY AND IS MEANT TO DEPICT GENERAL SCOPE OF CONTROL SYSTEM. REFER TO LIGHTING CONTROL SEQUENCE OF OPERATION TABLE AND PLANS FOR CONTROL SYSTEM PERFORMANCE REQUIREMENTS.

PROVIDE PHOTO SENSORS, MOTION SENSORS AND OTHER REQUIRED CONTROL COMPONENTS TO ACCOMPLISH THE LIGHTING CONTROL SEQUENCE.

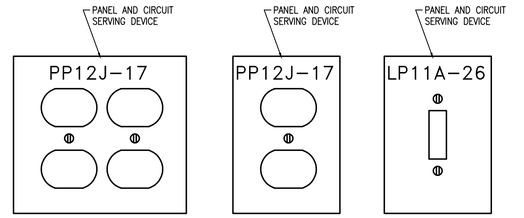
PROVIDE CAM AND CONTROL WIRING ON ALL VAVS TO CONTROL THE UNITS VIA THE ZONE OCCUPANCY SIGNAL.



2 E05.00 GENERATOR POWER FOR EGRESS LIGHTING AND TRANSFER RELAY WIRING DIAGRAM

SCALE: NONE

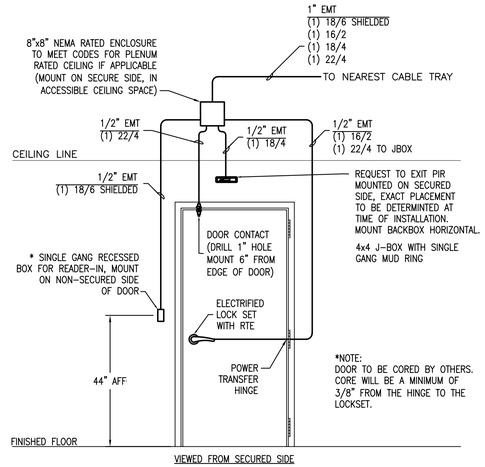
Rev.Date 11/17/2015



3 E05.00 DEVICE LABELING DETAIL

SCALE: NONE

NOTE: LABEL WITH BROTHER "P-TOUCH" SYSTEM. PROVIDE CLEAR OR WHITE TAPE WITH BLACK LETTERING.



*MOUNT CARDREADER 6" MIN. – 12" MAX. FROM EDGE OF DOOR

*DOOR PREP (CORE) FOR THE ELECTRIFIED LOCKSET TO BE PROVIDED BY THE CONTRACTOR

NOTES:

1. ALL CONDUIT AND BOXES IDENTIFIED IN THESE DETAILS ARE THE RESPONSIBILITY OF OTHERS.
2. IF THE DOOR AND FRAME ARE FIRE RATED, IT WILL BE THE RESPONSIBILITY OF OTHERS TO PREP AND CERTIFY THE FRAMES AND DOORS FOR, LOCKING HARDWARE, DOOR CONTACTS, AND ANY OTHER NEEDED SECURITY DEVICES, IF THE DOOR IS EXISTING, SURFACE MOUNTED DEVICES MAY BE USED TO AVOID ANY MODIFICATIONS TO THE FIRE RATINGS.
3. READER HEIGHT TO MEET ADA STANDARDS, OR STANDARDS SET BY LOCAL AHJ.
4. UCD WILL FURNISH ALL ELECTRIFIED LOCKING HARDWARE.
5. ALL DOOR CLOSERS ARE THE RESPONSIBILITY OF OTHERS.
6. IT IS THE RESPONSIBILITY OF OTHERS TO FURNISH LOCK CYLINDERS, AND OR RE-KEYING OF EXISTING LOCK HARDWARE AS NECESSARY.
7. IT IS THE RESPONSIBILITY OF THE OWNER OR ARCHITECT TO SPECIFY THE FINISH ON ALL HARDWARE.

4 E05.00 SINGLE DOOR, CARD-IN, FREE EXIT, REX & ELECTRIFIED LOCKSET WITH REX

SCALE: NONE

PERMIT / CONSTRUCTION DOCUMENTS

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FITZ BLDG
3RD RENO CSPH

CU ANSCHUTZ MEDICAL CAMPUS

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ELECTRICAL DETAILS

E05.00

FITZ BLDG 3RD RENO CSPH

SHEET SIZE: 24" X 36"
PDFs PRINTED: 8/18/2023 4:43:33 PM

DRY TYPE TRANSFORMER SCHEDULE

VOLTAGE: 480V, 3Ø, 3W - 120/208V, 3Ø, 4W

KEY	RATING [kVA]	PRIMARY			SECONDARY			
		AMPS	O.C. PROTECTION	FEEDER (P)	AMPS	O.C. PROTECTION	FEEDER (S)	GROUND ELECTRODE (G)
T1	15	18.1	25	(3#10 & 1#10G)1/2"C	41.7	50	(4#6 & 1#10G)1"C.	#8
T2	30	36.1	45	(3#6 & 1#10G)3/4"C	83.4	100	(4#1 & 1#8G)1-1/2"C.	#6
T3	45	54.2	70	(3#4 & 1#8G)1"C	125.1	150	(4#1/0 & 1#6G)2"C.	#6
T4	75	90.3	110	(3#1 & 1#6G)1-1/4"C	208.4	250	(4#250KCMIL & 1#4G)2-1/2"C.	#2
T5	112.5	135.5	150	(3#1/0 & 1#6G)1-1/2"C	312.6	350	2[(4#2/0 & 1#3G)2"C]	#1/0

NOTES:
a. GROUNDING ELECTRODE CONDUCTOR SIZED PER TABLE 250-94 OF N.E.C.
b. EQUIPMENT GROUNDING CONDUCTOR SIZED PER TABLE 250-95 OF N.E.C.
c. SUBSCRIPT LETTER BY TRANSFORMER INDICATES MOUNTING: F=FLOOR; S=SUSPENDED; W=WALL.
d. FOR K13 RATED TRANSFORMER SECONDARY FEEDER TO BE: (3#1/0, 1#350KCMIL N & 1#6G)2"C.

FEEDER SCHEDULE

KEY	DESCRIPTION	NOTES
A1	(3 #12 & 1 #12G) 1/2"C.	
B1	(3 #10 & 1 #12G) 1/2"C.	
B2	(4 #10 & 1 #12G) 3/4"C.	
C1	(3 #8 & 1 #10G) 3/4"C.	
C2	(4 #8 & 1 #10G) 1"C.	
D1	(3 #6 & 1 #10G) 1"C.	
D2	(4 #6 & 1 #10G) 1-1/2"C.	
D3	(4 #6 & 1 #8G) 1"C.	
E1	(3 #4 & 1 #8G) 1-1/2"C.	
E2	(4 #4 & 1 #8G) 1-1/4"C.	
E3	(3#4, 1#1/0N & 1#8G)1-1/4"C	
F1	(3 #2 & 1 #8G) 1-1/2"C.	
F2	(4 #2 & 1 #8G) 1-1/2"C.	
G1	(3 #1 & 1 #6G) 1-1/2"C.	
G2	(4 #1 & 1 #6G) 1-1/2"C.	
G3	(4#1 & 1#8G)1-1/2"C	
H1	(3 #1/0 & 1 #2G) 2"C.	
H2	(4 #1/0 & 1 #2G) 2"C.	
* H3	(4#1/0 & 1#6G)2"C	*
J1	(3 #2/0 & 1 #2G) 2-1/2"C.	
J2	(4 #2/0 & 1 #2G) 2-1/2"C.	
K1	(3#3/0 & 1#6G)2"C.	
L1	(3 #4/0 & 1 #2G) 2-1/2"C.	
* L2	(4 #4/0 & 1 #2G) 2-1/2"C.	*
L3	2[(4 #4/0 & 1 #2G) 2-1/2"C.]	
L4	(4#4/0 & 1#4G)2-1/2"C.	
L5	2[(4#4/0 & 1#3G)2-1/2"C]	
L6	(4#4/0 & 1#6G)2-1/2"C	
M1	(3 #250KCMIL & 1 #2G) 3"C.	
M2	(4 #250KCMIL & 1 #2G) 3"C.	
M3	2[(4 #250KCMIL & 1 #2G) 3"C.]	
O1	(3 #350KCMIL & 1 #1/0G) 3-1/2"C.	
O2	(4 #350KCMIL & 1 #1/0G) 3-1/2"C.	
O3	2[(4 #350KCMIL & 1 #1/0G) 4"C.]	
P1	(3 #500KCMIL & 1 #1/0G) 4"C.	
P2	(4 #500KCMIL & 1 #1/0G) 4"C.	
P3	2[(4 #500KCMIL & 1 #1/0G) 4"C.]	
P4	3[(4 #500KCMIL & 1 #1/0G) 4"C.]	
P5	4[(4 #500KCMIL & 1 #1/0G) 4"C.]	
P,S,G	REFER TO TRANSROMER SCHEDULE	

1. REUSE EXISTING CONDUIT. PROVIDE NEW WIRES.

PANEL DESIGNATION

FIRST CHARACTER: SYSTEM DESIGNATION
N = NORMAL
E = EMERGENCY
S = STANDBY

SECOND CHARACTER: FLOOR DESIGNATION
B = BASEMENT
G = GROUND
1-9 = FLOOR ONE THRU 9

THIRD CHARACTER: BUILDING AREA OR DISTRIBUTION PANEL
E = EAST
N = NORTH
W = WEST

FOURTH CHARACTER:
D = DISTRIBUTION PANEL
MCC = MOTOR CONTROL CENTER

FIFTH CHARACTER: VOLTAGE
H = 277/480V
L = 120/208V

SIXTH CHARACTER: PANEL NUMBER
1 = PANEL NO. 1
2 = PANEL NO. 2, ETC.

RISER DESIGNATION

FIRST CHARACTER:
R = RISER

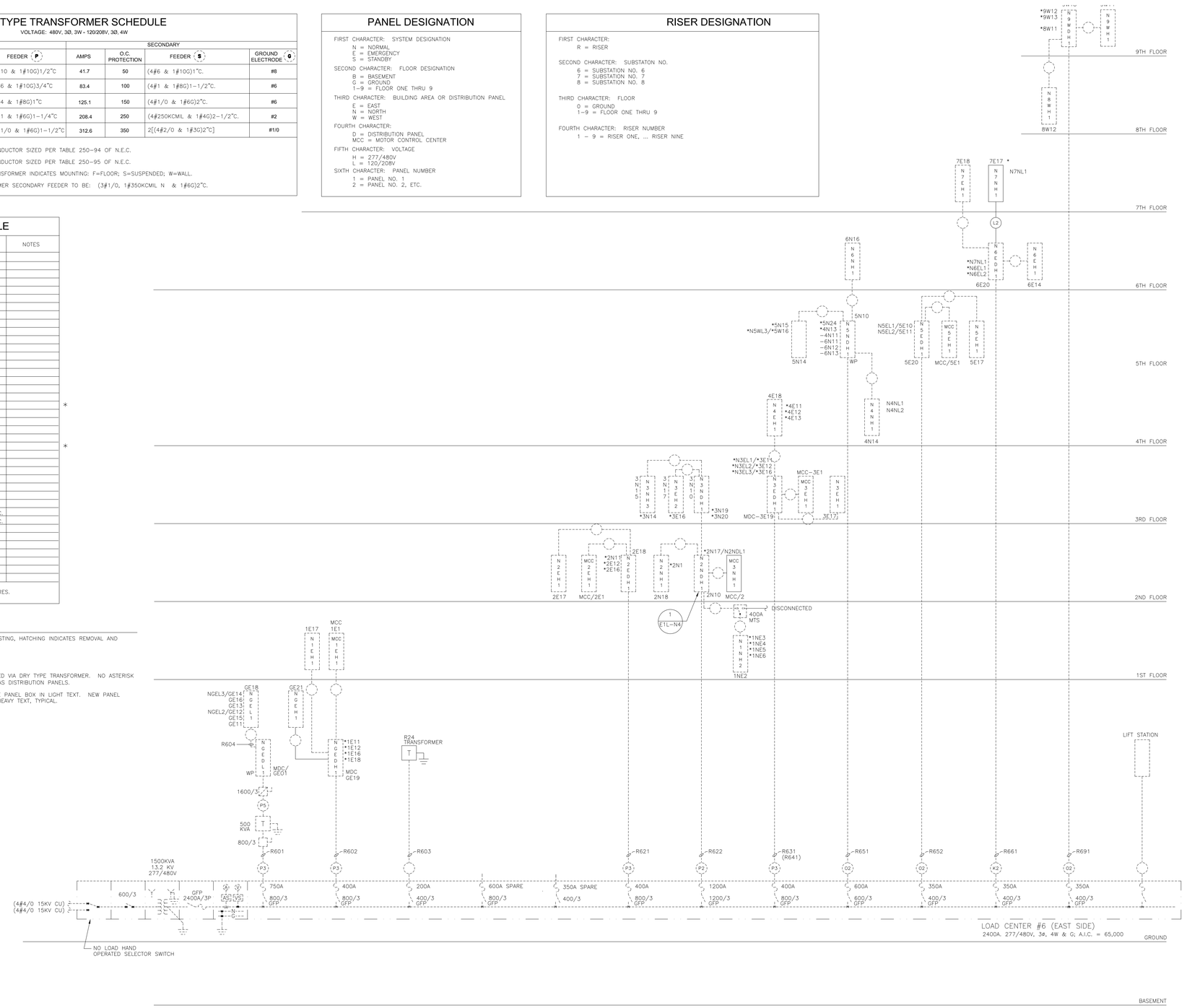
SECOND CHARACTER: SUBSTATON NO.
6 = SUBSTATION NO. 6
7 = SUBSTATION NO. 7
8 = SUBSTATION NO. 8

THIRD CHARACTER: FLOOR
0 = GROUND
1-9 = FLOOR ONE THRU 9

FOURTH CHARACTER: RISER NUMBER
1 - 9 = RISER ONE, ... RISER NINE

GENERAL NOTES:

1. DASHED LINE AND LIGHT TEXT INDICATES EXISTING, HATCHING INDICATES REMOVAL AND HEAVY LINE AND TEXT INDICATES NEW WORK.
2. (1 / E1L-N2) — DETAIL NUMBER / DRAWING NUMBER
3. ASTERISK (*) INDICATES 120/208V PANEL FED VIA DRY TYPE TRANSFORMER. NO ASTERISK INDICATES 120/208V PANEL SAME VOLTAGE AS DISTRIBUTION PANELS.
4. FORMER PANEL DESIGNATION SHOWN OUTSIDE PANEL BOX IN LIGHT TEXT. NEW PANEL DESIGNATION SHOWN INSIDE PANEL BOX IN HEAVY TEXT, TYPICAL.



NORMAL SYSTEM ELECTRICAL ONE-LINE DIAGRAM
NO SCALE

PERMIT / CONSTRUCTION DOCUMENTS

FITZ BLDG 3RD RENO CSPH

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09/27/2023

FITZ BLDG 3RD RENO CSPH
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23

ISSUANCE	DATE
ISSUED:	09/22/23
PROJECT NO:	23-178871

ELECTRICAL ONE-LINE

E05.01

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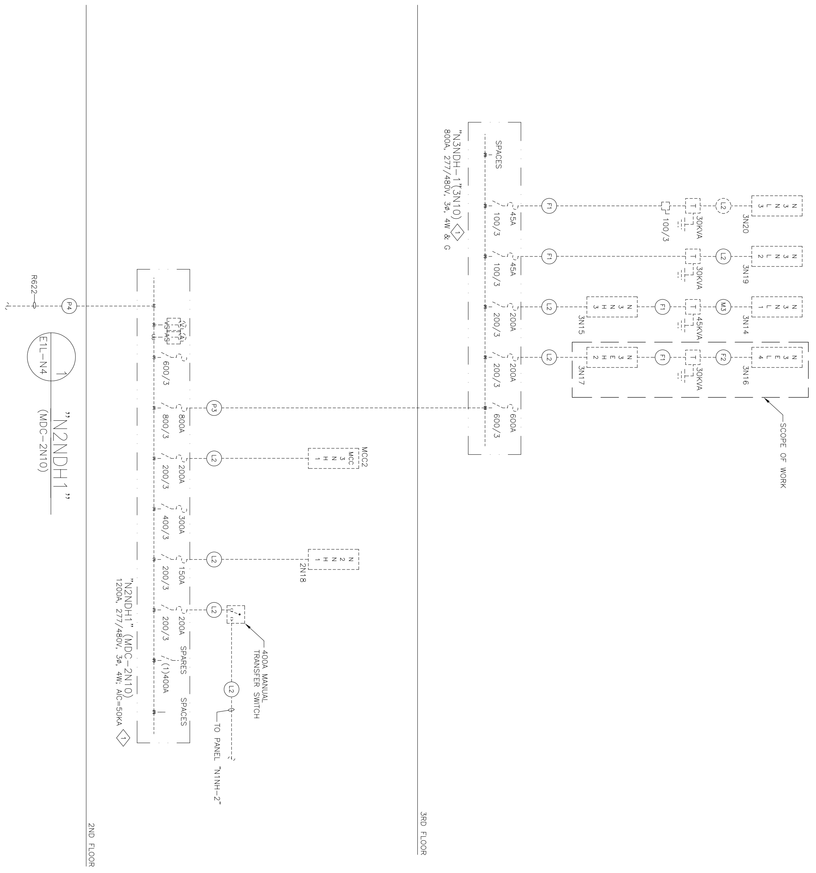

FITZ BLDG 3RD RENO CSPH

PERMIT / CONSTRUCTION DOCUMENTS

E05.02

ELECTRICAL
ONE-LINE

ISSUANCE	DATE
PROJECT NO.	21-178071
ISSUED	09/27/23

NO.	REVISION	DATE

FITZ BLDG
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RDG PLANNING DESIGN

COM*check* Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: Fitz 3rd floor Reno csph
Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Common Space Types:Office - Enclosed	2250	0.74	1665
		Total Allowed Watts =	1665

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Common Space Types: Office - Enclosed (2250 sq.ft.)				
LED: A: 2x4 Troffer: Other:	1	15	25	375
LED: B: 1x4 Troffer: Other:	1	15	30	450
LED: C: 6" Downlight: Other:	1	7	10	73
LED: D: Sconce: Other:	1	2	12	24
		Total Proposed Watts =		922

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Charles Basil - Electrical Engineer — Charles Basil — 09/22/2023
Name - Title — Signature — Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 0.0% were addressed directly in the COM*check* 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 is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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

LIGHTING CONTROL SEQUENCE OF OPERATION SCHEDULE

V_0817

KEY	DESCRIPTION	MANUAL ON, AUTO OFF	AUTO ON, AUTO OFF	TIMECLOCK ON/OFF	LOCAL SWITCHING	LOCAL OR TIMECLOCK DIMMING	OCCUPANCY SENSOR TIME DELAY	PHOTOSENSOR DIMMING	PHOTOSENSOR ON/OFF	NOTES
S1	VACANCY SENSING, LOCAL MANUAL ON/OFF	X			X		20 MINUTE			
S2	VACANCY SENSING, LOCAL MANUAL DIMMING	X				X	20 MINUTE			DIMMING SHALL BE TO A MINIMUM OF 10%.
S3	OCCUPANCY SENSING, 100% AUTO ON, 50% AUTO DIM, LOCAL MANUAL ON/OFF, DAYLIGHT HARVESTING		X			X	20 MINUTE	X		LIGHTS SHALL BE AUTOMATIC ON TO 100% AND AUTOMATIC DIM TO 50% WHEN THE CONTROLLED AREA IS VACANT. DAYLIGHT RESPONSIVE CONTROLS SHALL CONTINUOUSLY DIM TO A MINIMUM OF 10% AND THEN GO TO 100% OFF. DAYLIGHT RESPONSIVE CONTROLS SHALL CONTINUE TO ADJUST ELECTRIC LIGHT LEVELS IN RESPONSE TO AVAILABLE DAYLIGHT BUT SHALL BE CONFIGURED TO NOT INCREASE THE LIGHTING POWER ABOVE THE UNOCCUPIED SETPOINT. LOCAL ON/OFF SWITCHING.

LUMINAIRE SCHEDULE

Version 1107

KEY	DESCRIPTION	FINISH	MOUNTING	SPECIFICATION (NOTE 1) MANUFACTURER	CATALOG NUMBER	VOLTS	VA	NOTES
A	2'X4' LED TROFFER	WHITE	RECESSED	LITHONIA	2ALL4-30L-GZ1-LP840	UNV	25	
B	1'X4' LED TROFFER	WHITE	RECESSED	LITHONIA	ALL4-30L-GZ1-LP840	UNV	30	
C	6" LED DOWNLIGHT	WHITE	RECESSED	LITHONIA	LDN6-40/07-L06-WR-LSS-MVOLT-GZ1	UNV	10.4	
D	WALL SCONCE	BRUSHED	SURFACE	HEALTHCARE LIGHTING	HPSC-NBAR-MVOLT-40K-ZT-DARK-BA	UNV	12	
X	EXIT SIGN	WHITE	SURFACE	ISOLITE	EDC-EM-G-2-WH-WH-MTEBP	UNV	2	

LUMINAIRE SCHEDULE NOTES:
UNLESS INDICATED OTHERWISE, REFER TO THE SPECIFICATIONS FOR ALL LAMPS AND BALLASTS. COORDINATE THE VOLTAGE AND MOUNTING CONFIGURATION WITH THE PLANS.

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [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	
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, corridors, 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	
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 within 20 minutes of 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. Lights not turned off by occupant sensors is done so by time-switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) 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.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [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	
C405.2.5 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [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	
C405.8 [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	
C405.9.1, C405.9.2 [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	
C405.10 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.1.1 [EL30][2]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.11, C405.11.1 [EL31][2]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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

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	
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 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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

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PERMIT / CONSTRUCTION DOCUMENTS

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Charles Basil 55143 09/27/2023 COLORADO LICENSED PROFESSIONAL ENGINEER

FITZ BLDG 3RD RENO CSPH
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23
ISSUANCE	DATE
ISSUED:	09/22/23

PROJECT NO: 23-178871

FITZ BLDG 3RD RENO CSPH

ELECTRICAL SCHEDULES

E06.00

PLUMBING LEGEND (NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THESE DRAWINGS)

ABBR.	SYMBOL	DESCRIPTION
	M	GAS METER
	M	WATER METER
		THERMOSTATIC RECIRCULATION VALVE
		BALL VALVE
		BUTTERFLY VALVE
		CHECK VALVE
		GATE VALVE
		GLOBE VALVE
		PRESSURE REDUCING VALVE
		PRESSURE RELIEF VALVE
		HOSE END DRAIN VALVE
		STRAINER
		STRAINER WITH BLOW DOWN VALVE
		GAS SHUTOFF VALVE
	S	SOLENOID VALVE
PRV		PRESSURE REGULATING VALVE
		THERMOWELL
		THERMOMETER WITH THERMOWELL
		UNION
	DE	DIELECTRIC COUPLING
AAV		AUTOMATIC AIR VENT
MAV		MANUAL AIR VENT
		VACUUM BREAKER
		GAUGE
		GAUGE WITH BALL VALVE
		DIFFERENTIAL PRESSURE GAUGE
PTT		PRESSURE TEMPERATURE/TEST PORT
		PIPE ANCHOR
		PIPE GUIDE
		FLEX CONNECTION
		PIPE CAP
		PIPE BREAK
		FLOW ARROW
		ACCESS PANEL (SIZE)
RPBP	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
DCVA	DCVA	DOUBLE CHECK VALVE ASSEMBLY

ABBR.	SYMBOL	DESCRIPTION
		PIPE DOWN
		PIPE UP
		TEE OUTLET UP
		TEE OUTLET DOWN
CA	CA	COMPRESSED AIR
PC	PC	PUMPED CONDENSATE
D	D	CONDENSATE OR EQUIPMENT DRAIN
DCW		DOMESTIC COLD WATER
NPW	NPW	NONPOTABLE WATER
DHW		DOMESTIC HOT WATER
DHWC		DOMESTIC HOT WATER CIRCULATING
DTW	T	DOMESTIC TEMPERED WATER
DI	DI	DEIONIZED WATER
V	V	DOMESTIC VENT PIPING
AV	AV	ACID VENT PIPING
W	W	SUSPENDED WASTE
W	W	BURIED WASTE
AW	AW	SUSPENDED ACID WASTE
AW	AW	BURIED ACID WASTE
GW	GW	SUSPENDED GREASE WASTE
GW	GW	BURIED GREASE WASTE
OST	OST	SUSPENDED OVERFLOW STORM DRAIN
OST	OST	BURIED OVERFLOW STORM DRAIN
ST	ST	SUSPENDED STORM DRAIN
ST	ST	BURIED STORM DRAIN
G	G	NATURAL GAS
FL	FL	FIRE LINE
	FVC	FIRE VALVE CABINET
		FIRE DEPARTMENT CONNECTION
		FIRE SPRINKLER PENDANT HEAD
		FIRE SPRINKLER UPRIGHT HEAD
		FIRE SPRINKLER SIDEWALL HEAD
	TS	TAMPER SWITCH
		OS & Y GATE VALVE

ABBR.	SYMBOL	DESCRIPTION
RD		ROOF DRAIN
OD		OVERFLOW DRAIN
		DOWNSPOUT NOZZLE
FS		FLOOR SINK
FD		FLOOR DRAIN
FCO		FLOOR CLEANOUT
GCO		GRADE CLEANOUT
WCO		WALL CLEANOUT
CO		HORIZONTAL CLEANOUT
WH		WALL HYDRANT
SA		SHOCK ABSORBER

– GRAPHIC SYMBOLS –

#	KEY NOTE
1	REVISION NUMBER
TAG	MECHANICAL EQUIPMENT TAG
	SHADING INDICATES MECHANICAL EQUIPMENT
	HATCHING INDICATES ITEM(S) TO BE REMOVED
(00)	NORTH ARROW
	CONNECT TO EXISTING
EXIST / NEW	CONNECT TO EXISTING PIPE
1 / M2.1	DETAIL BUBBLE DETAIL NUMBER SHEET NUMBER – WHERE DETAIL IS SHOWN
A / M2.2	SECTION CUT SECTION LETTER SHEET NUMBER – WHERE SECTION IS SHOWN

– ABBREVIATIONS –

AFF	ABOVE FINISHED FLOOR	FFE	FINISHED FLOOR ELEVATION
BFF	BELOW FINISH FLOOR	IE	INVERT ELEVATION
CL	CENTERLINE	(N)	NEW
(E)	EXISTING	VTR	VENT THROUGH ROOF
ELEV	ELEVATION		

APPLICABLE CODES

AHJ: UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CENTER

FIRE AUTHORITY: AURORA FIRE

REMODEL [X] NEW [ ]

YEAR	CODE
2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE
2021	INTERNATIONAL FIRE CODE
2023	NATIONAL ELECTRICAL CODE

IS THE BUILDING FULLY SPRINKLERED? [X] YES [ ] NO

IS THE BUILDING FULLY DETECTED? [X] YES [ ] NO

GENERAL NOTES:

CONTRACTOR SHALL REFERENCE SPECIFICATIONS FOR CONSTRUCTION MATERIALS AND INSTALLATION PROCEDURES. SPECIFICATIONS ARE A PART OF THE CONSTRUCTION DOCUMENTS. SHOULD ANY CONFLICT ARISE BETWEEN THE DRAWINGS AND SPECIFICATIONS, SUCH CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION.

ALL PENETRATIONS THROUGH FIRE RATED WALLS OR FLOORS SHALL BE SEALED TO MAINTAIN SEPARATION RATING.

THESE DRAWINGS ARE DIAGRAMMATIC IN CHARACTER AND DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC.

LOCATIONS AND INFORMATION FOR EXISTING MECHANICAL DEVICES AND EQUIPMENT SHOWN ON THESE PLANS ARE APPROXIMATE. THIS INFORMATION IS DERIVED FROM FIELD OBSERVATIONS AND RECORD DRAWINGS THAT WERE AVAILABLE AT THE TIME THESE DRAWINGS WERE ISSUED FOR PUBLICATION.

FOR REMODEL PROJECTS ONLY. REMOVE NOTE IF PROJECT IS ALL NEW CONSTRUCTION.

REV: 8/17/2017

PERMIT / CONSTRUCTION DOCUMENTS

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62788
9/20/23
PROFESSIONAL ENGINEER

FITZ BLDG 3RD RENO CSPH
CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23

ISSUANCE DATE

ISSUED: 09/22/23

PROJECT NO: 23-178871

PLUMBING LEGEND

P00.00

FITZ BLDG 3RD RENO CSPH

SHEET SIZE: 24" X 36"
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PLUMBING SPECIFICATIONS

PART 1 – PRODUCTS

1.1 DOMESTIC WATER PIPE, TUBE, FITTINGS, AND JOINTS

A. COPPER PIPE:
1. ABOVE GRADE PIPE: ASTM B88, TYPE L DRAWN TEMPER SEAMLESS COPPER TUBE, NSF-61/372 CERTIFIED.
2. FITTINGS: ASME B16.22 WROUGHT COPPER OR ASME B16.18 CAST COPPER ALLOY, NSF-61/372 CERTIFIED.
3. UNIONS: ASME B16.18 CAST COPPER ALLOY, HEXAGONAL STOCK BODY WITH BALL-AND-SOCKET JOINT, METAL-TO-METAL SEATING SURFACES, AND SOLDER JOINT AND/OR THREADED ENDS, NSF-372 CERTIFIED.
4. JOINTS:
   a. SOLDER FILLER: ASTM B 32, ALLOY SN95, SN94 OR E; LEAD FREE, NSF 372 CERTIFIED.

1.2 BALL VALVES

A. BRONZE TWO-PIECE BALL VALVES NSF 372 CERTIFIED:
1. MANUFACTURER AND MODEL:
   a. THREADED OR SOLDERED ENDS: 150 PSIG SWP, NON-SHOCK 600 PSIG WOG, MSS SP_110, CAST BRONZE, FULL PORT, TWO-PIECE BODY DESIGN, CHROME-PLATED SOLID BRONZE BALL WITH REINFORCED TEFLON SEATS. STEM PACKING ADJUSTABLE FOR WEAR WITH ADJUSTING SCREW. APOLLO 77CLF, HAMMOND UP8301AOR UP8311A, MILWAUKEE UPBA400 OR UPBA450

B. VALVE PRESSURE AND TEMPERATURE RATINGS: NOT LESS THAN INDICATED AND AS REQUIRED FOR SYSTEM PRESSURES AND TEMPERATURES.

C. VALVE SIZES: SAME AS UPSTREAM PIPE, UNLESS OTHERWISE INDICATED.

D. VALVE ACTUATORS – LEVER HANDLE: FOR QUARTER-TURN VALVES NPS 6 AND SMALLER, EXCEPT PLUG VALVES.

E. EXTENSION ON VALVE STEMS ON INSULATED VALVES AND BALANCING LOCK VALVES WHERE REQUIRED.

1.3 PIPE INSULATION – DOMESTIC WATER

A. PREFORMED FIBERGLASS CONFORMING TO ASHRAE 90.1-2013, ASTM C547, CLASS I OR II, AND ASTM C585 WITH "K" FACTOR OF 0.23 BTU-IN./H-SF-°F MAXIMUM AT 75°F MEAN TEMPERATURE. MAINTAIN VAPOR BARRIER ON COLD LINES.

B. PROVIDE FACTORY-APPLIED ASJ/SSL TYPE, ASTM C921, OR ASTM C1136, TYPE I JACKET WITH VAPOR BARRIER FOR COLD PIPING (BELOW AMBIENT). TYPE I MAY BE USED FOR BOTH AT CONTRACTOR'S OPTION. FACTORY-APPLIED FLAP ADHESIVE (SSL) OR CONVENTIONAL STAPLE AND TAPE SEAL AT CONTRACTOR'S OPTION.

C. DOMESTIC COLD PIPING: PROVIDE 3/4" INSULATION THICKNESS FOR PIPING 1" IN DIAMETER AND SMALLER AND PROVIDE 1" INSULATION THICKNESS FOR ALL PIPING 1-1/4" IN DIAMETER AND LARGER.

PART 2 – EXECUTION

2.1 GENERAL

A. EXAMINE PIPING SYSTEM FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES, INTERFERENCE WITH OTHER TRADES AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

B. EXAMINE VALVE INTERIOR FOR CLEANLINESS, FREEDOM FROM FOREIGN MATTER, AND CORROSION. REMOVE SPECIAL PACKING MATERIALS, SUCH AS BLOCKS, USED TO PREVENT DISC MOVEMENT DURING SHIPPING AND HANDLING. OPERATE VALVES IN POSITIONS FROM FULLY OPEN TO FULLY CLOSED. EXAMINE GUIDES AND SEATS MADE ACCESSIBLE BY SUCH OPERATIONS.

C. DO NOT ATTEMPT TO REPAIR DEFECTIVE VALVES, PIPING AND EQUIPMENT; REPLACE WITH NEW.

2.2 VALVE INSTALLATION

A. INSTALL VALVES WITH UNIONS OR FLANGES AT EACH PIECE OF EQUIPMENT ARRANGED TO ALLOW SERVICE, MAINTENANCE, AND EQUIPMENT REMOVAL WITHOUT SYSTEM SHUTDOWN.

B. LOCATE VALVES FOR EASY ACCESS AND PROVIDE SEPARATE SUPPORT WHERE NECESSARY. INSTALL VALVES IN HORIZONTAL PIPING WITH STEM AT OR ABOVE CENTER OF PIPE.

C. PROVIDE SHOCK ABSORBERS AND HINGED ACCESS PANELS FOR ALL QUICK CLOSING VALVES. SIZE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

2.3 INSTALLATION

A. GENERAL:
1. PROVIDE ANCHORS, THRUST RESTRAINS/ANCHORS, AND RESTRAINTS AS APPROPRIATE AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BASED ON TYPE OF PIPE, FITTINGS, AND JOINTS.
2. PIPING SHALL BE RUN TRUE, PLUMB, AND STRAIGHT, WITH ALL RESTRAINTS ADJUSTED TO CARRY THEIR PROPORTIONAL LOAD AND LOCKED TO PREVENT PIPE "WAG," MISALIGNMENT, MOVEMENT, SHEAR, OR SAGGING.
3. USE FITTINGS FOR ALL CHANGES IN DIRECTION AND ALL BRANCH CONNECTIONS.
4. INSTALL EXPOSED PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT PERMITTED.
5. INSTALL PIPING FREE OF SAGS OR BENDS AND WITH AMPLE SPACE BETWEEN PIPING TO PERMIT PROPER INSULATION APPLICATIONS. PIPING HANGER SPACING AND SUPPORTS SHALL BE PER CODE REQUIREMENTS (MINIMUM)
6. CONCEAL ALL PIPE INSTALLATIONS IN WALLS, PIPE CHASES, UTILITY SPACES, ABOVE CEILINGS, BELOW GRADE OR FLOORS UNLESS INDICATED TO BE EXPOSED TO VIEW.
7. INSTALL PIPING TIGHT TO SLABS, BEAMS, JOISTS, COLUMNS, WALLS, AND OTHER PERMANENT ELEMENTS OF THE BUILDING. ALLOW SUFFICIENT SPACE ABOVE REMOVABLE CEILING PANELS TO ALLOW FOR PANEL REMOVAL.
8. PROVIDE FOR PIPE EXPANSION BRACES AS REQUIRED BY THE CONTRACT DOCUMENTS AND/OR JURISDICTIONAL AUTHORITY.
9. ALL COPPER TUBE AND FITTING SHALL BE REAMED AND BUFFED PRIOR TO SOLDERING OR BRAZING.

2.4 DOMESTIC WATER PIPE TESTING

A. OPEN AND CLOSE ALL SYSTEM VALVES AT LEAST ONCE WHILE SYSTEM IS PRESSURIZED TO TEST VALVE PACKING. TIGHTEN AS REQUIRED.

B. TEST PROCEDURES:
1. DOMESTIC COLD WATER: 150 PSIG HYDROSTATIC TEST.
2. ALL HYDROSTATIC TESTS SHALL BE HELD FOR A MINIMUM OF EIGHT HOURS WITHOUT LOSS OF PRESSURE.

2.5 CLEANING

A. STERILIZATION: PRIOR TO PLACING THE POTABLE WATER SYSTEM IN OPERATION, BUT AFTER ALL TESTING HAS BEEN COMPLETED, STERILIZE AND FLUSH THE ENTIRE OR SECTIONALIZED PIPING SYSTEM PER CODE. DURING THIS PERIOD OF TIME, A PRESSURE OF NOT LESS THAN 40 PSIG SHALL BE MAINTAINED ON THE SECTION BEING OPENED AND CLOSED SEVERAL TIMES. MULTIPLE STERILIZATIONS MAY BE REQUIRED FOR PHASED CONSTRUCTION.

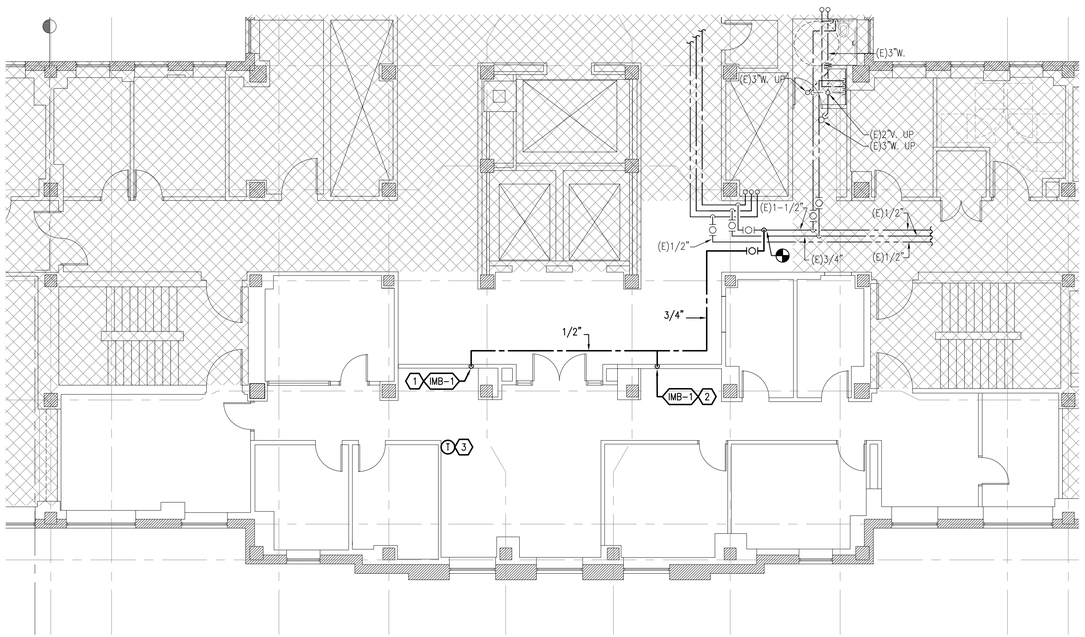
B. WATER SAMPLES SHALL BE TAKEN AND TESTED BY AN INDEPENDENT LABORATORY. THE SYSTEM MUST BE FREE OF ALL BACTERIOLOGICAL CONTAMINATION. IF THE SYSTEM SHOWS ANY CONTAMINATION, IT SHALL BE RE-CHLORINATED UNTIL IT IS FREE OF BACTERIOLOGICAL CONTAMINATION.

SHEET NOTES

1. LIGHT LINE WEIGHT INDICATES EXISTING. HEAVY LINE WEIGHT INDICATES NEW CONSTRUCTION.
2. REPAIR ALL SURFACES AND FINISHES DAMAGED DUE TO DEMOLITION OR CONSTRUCTION TO MATCH EXISTING CONDITIONS.
3. EQUIPMENT AND PIPING SHOWN ON THIS DRAWING ARE BASED ON RECORD INFORMATION PROVIDED IN PART BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
4. FIRE PROTECTION: RELOCATE EXISTING FIRE SPRINKLER HEADS TO NEW CEILINGS. COORDINATE WITH ARCHITECTURAL CEILING.

KEY NOTES

1. PROVIDE WALL BOX FOR WATER COOLER COLD WATER CONNECTION. COORDINATE EXACT LOCATION WITH ARCHITECT.
2. PROVIDE WALL BOX FOR REFRIGERATOR COLD WATER CONNECTION. COORDINATE EXACT LOCATION WITH ARCHITECT.
3. RELOCATE EXISTING THERMOSTAT FROM WALL TO BE REMOVED AND LOCATE HERE. REFER TO ARCHITECT SET FOR DEMOLITION SCOPE.



1 **FLOOR PLAN LEVEL 3**
1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE

SYM.	DESCRIPTION	CONNECTION SIZES*				ELECT.
		W	V	C	H	REQ'D
IMB-1	ICEMAKER WALL BOX, GUY GRAY, 20 GAUGE POWDER COATED WHITE BOX, 1/2", 1/4 TURN VALVE WITH WATER HAMMER ARRESTER	-	-	1/2"	-	

* CONNECTION SIZES EQUAL BRANCH PIPE SIZES UNLESS NOTED ON PLAN OR REQUIRED TO BE OVERSIZED BY CODE.

PERMIT / CONSTRUCTION DOCUMENTS

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FITZ BLDG
3RD RENO CSPH

CU ANSCHUTZ MEDICAL CAMPUS

90% REVIEW	08/31/23

ISSUANCE DATE

ISSUED: 09/22/23

PROJECT NO: 23-170871

PLUMBING PLAN
3RD FLOOR

P01.10

SHEET SIZE: 24" X 36"
PDF PRINTED: 9/19/2023 4:43:33 PM