CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION

13065 East 17th Avenue, Aurora, CO 80045

ISSUE FOR CONSTRUCTION

SHEET LIST

CODE PLAN LOCATION PLAN G-111 ARCHITECTURAL DEMO DEMOLITION RCP AD-111 DEMOLITION ELEVATIONS ARCHITECTURAL FLOOR PLAN REFLECTED CEILING PLAN A-120 FINISH PLAN A-130 FURNITURE PLAN A-310 WALL SECTIONS A-401 **ENLARGED PLANS** INTERIOR ELEVATIONS A-501 DETAILS A-610 ACCESSIBILITY DETAILS & STANDARDS A-611 ACCESSIBILITY DETAILS & STANDARDS ELECTRICAL E-001 ELECTRICAL COVER SHEET E-101 ELECTRICAL POWER PLAN E-111 LIGHTING PLAN ELECTRICAL SCHEDULES ELECTRICAL SPECIFICATIONS ELECTRICAL ENERGY CALCULATION ED-101 DEMOLITION POWER PLAN

DEMOLITION LIGHTING PLAN

PROJECT DIRECTORY

10920 W ALAMEDA AVE, SUITE 100 LAKEWOOD, CO 80226 (720) 502-4156 CONTACT: JESTIN GIECK EMAIL: JG@G-2-DESIGN.COM

CLIENT: UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS CAMPUS SERVICES 1945 N. WHEELING STREET AURORA, CO 80045

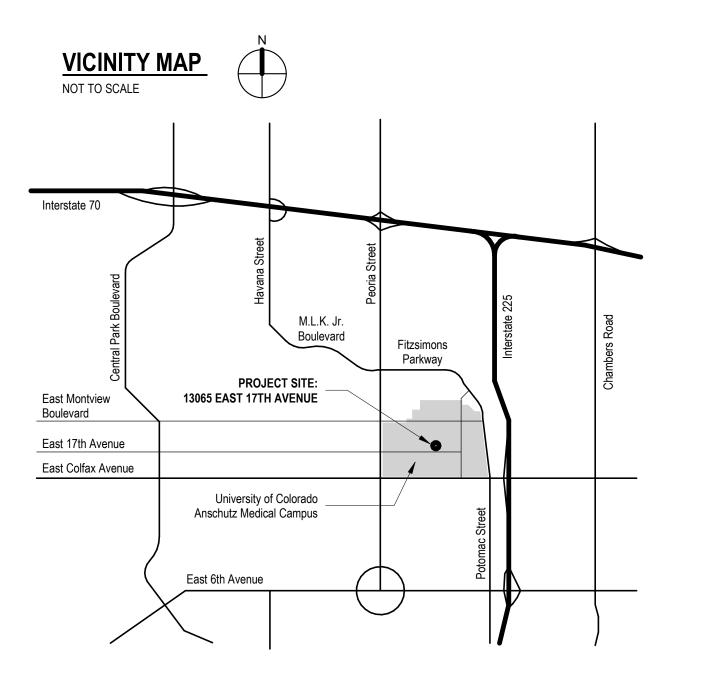
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LAKEWOOD, CO 80227 (303) 807-7181 CONTACT: KEVIN L. YINGLING, PE EMAIL: KLY@IESYSTEMS-INC.COM

FURNITURE VENDOR:

INTERIOR ENVIRONMENTS 1331 19TH STREET DENVER, CO 80202 (720) 248-0620 CONTACT: ELIZABETH BURNETT EMAIL: EBURNETT@IEOFFICES.COM



\ ISSUE FOR CONSTRUCTION

PROJECT #: DRAWN BY: DESIGNED BY:

CHECKED BY:

COVER SHEET

11.03.2023

2022.101

DM, NS

GENERAL NOTES

SPECIFICATIONS

THESE DOCUMENTS WERE PRODUCED USING THE CONSTRUCTION SPECIFICATION INSTITUTE'S UNIFORM DRAWING SYSTEM AND THE NATIONAL CAD STANDARD AS GUIDES.

FCTRICAL

- THE ELECTRICAL SUBCONTRACTOR SHALL COORDINATE LIGHT FIXTURE TYPES AND LOCATIONS WITH THE REFLECTED CEILING PLANS DRAWING AND THE ELECTRICAL DRAWINGS. THE SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR AND THE ARCHITECT OF ANY DISCREPANCIES BEFORE BID SUBMISSION AND INSTALLATION.
- ELECTRICAL SUBCONTRACTORS SHALL COORDINATE THE LOCATION OF ALL DEVICES WITH THE DRAWINGS. THE ELECTRICAL SUBCONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE INSTALLING SMOKE DETECTORS, AND SPEAKERS SHALL BE INSTALLED AND LOCATED FOLLOWING THE REFLECTED CEILING PLANS AND AT THE CENTER OF CEILING
- THE ELECTRICAL SUBCONTRACTOR SHALL REVIEW THE ELECTRICAL DRAWINGS AND RCP IN TERMS OF ONE ANOTHER AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE INSTALLATION

MEANS OF EGRESS

- THE CONTRACTOR SHALL KEEP ALL EXITS READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL
- 2. ALL EXIT DOORS, INCLUDING EACH LEAF OF PAIR OF DOORS, SHALL ALWAYS BE OPERABLE FROM THE INSIDE BY THE SIMPLE TURN OF A LEVER OR PUSHING AN EXIT DEVICE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT AND IN COMPLIANCE WITH REGULATIONS FOR THE ACCESSIBLE (BARRIER-FREE LAWS). MAXIMUM EFFORT TO OPERATE THE DOORS SHALL NOT EXCEED 5 POUNDS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS WHEN FIRE-RATED DOORS ARE INDICATED.
- PROVIDE A STRIP AT LEAST 2" WIDE OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1" BACK FROM THE NOSE OF THE TOP AND BOTTOM TREAD OF ALL INTERIOR STAIR RUNS AND ON EACH TREAD OF ALL EXTERIOR STAIR RUNS.
- 4. PROVIDE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. PROVIDE TEMPORARY PASSAGES AS REQUIRED. BEFORE DELIVERING MATERIALS TO THE CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM THE SITE, CHECK WITH THE OWNER/ARCHITECT/RESIDENT INSPECTOR FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES SHALL THE AREA OUTSIDE THE CONSTRUCTION ZONE BE USED WITHOUT PRIOR CLEARANCE FROM THE OWNER/ARCHITECT/RESIDENT INSPECTOR.
- 5. ALL RATED DOORS SHALL BE POSITIVE LATCHING.
- 6. PER APPLICABLE BUILDING CODES, EXISTING BUILDINGS UNDERGOING CONSTRUCTION SHALL REMAIN UNDER THE FOLLOWING REQUIREMENTS AT ALL TIMES:

 A. WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL;
- B. .FIRE EXTINGUISHERS SHALL REMAIN ACCESSIBLE AND OPERATIONAL. THE NUMBER AND TYPE OF EXTINGUISHERS SHALL BE AS REQUIRED BY THE LOCAL FIRE DEPARTMENT, AND THE TYPE OF EXTINGUISHER SHALL BE SUITABLE FOR THE TYPE OF FIRE ASSOCIATED WITH THE HAZARDS PRESENT.
 C. EXITING COMPONENTS SHALL BE MAINTAINED. PROVIDE TEMPORARY 1-HOUR RATED
- PROTECTION DURING CONSTRUCTION, WHERE REQUIRED.

 D. COMBUSTIBLE DEBRIS, RUBBISH, AND WASTE MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE DAILY. WASTE MATERIAL AND TRASH SHALL NOT BE BURNED ON-
- CONSTRUCTION SITE DAILY. WASTE MATERIAL AND TRASH SHALL NOT BE BURNED ON-SITE UNLESS APPROVED. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN THE PROJECT MANUAL. E. FIRE RESISTIVE ASSEMBLIES AND CONSTRUCTION SHALL BE MAINTAINED DURING THE COURSE OF CONSTRUCTION.
- F. FIRE ASSEMBLIES (DOORS, DAMPERS, ETC.) SHALL BE PER MANUFACTURER'S STANDARDS. ANY FAILURE SHALL BE REPLACED.
- 7. ALL FIRE-RATED DOOR ASSEMBLIES SHALL BE PROVIDED WITH APPROVED GASKETING MATERIALS INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP.
- MANUFACTURERS' INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE FOR ALL RATED OPENING ASSEMBLIES.

DEFINITIONS

- 1. THE CONTRACTOR IS THE PERSON OR ENTITY IDENTIFIED AS SUCH IN THE OWNER/CONTRACTOR AGREEMENT, AND THIS MEANS THE GENERAL CONTRACTOR OR AT-RISK CONSTRUCTION MANAGER, HIS AUTHORIZED REPRESENTATIVE, AND HIS COLLECTIVE SUBCONTRACTORS.
- 2. THE TERM "ALIGN" REFERS TO LOCATING DIFFERENT COMPONENTS OF CONSTRUCTION TO PROVIDE A FLUSH, STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS.
- 3. THE TERM "AS REQUIRED" REFERS TO COMPONENTS THAT MAY BE REQUIRED TO COMPLETE THE NOTED SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS.
- 4. THE TERM "HOLD" SHALL BE APPLIED TO DIMENSIONS CONSIDERED AS ABSOLUTE AND USED FOR LAYOUT AND CONTROL UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
- 5. WHERE WORK OR EQUIPMENT IS INDICATED AS "N.I.C." (NOT IN CONTRACT), SUCH WORK AND EQUIPMENT SHALL BE PROVIDED BY OTHERS. THE CONTRACTOR SHALL COORDINATE AND COOPERATE TO ACCOMMODATE SUCH INSTALLATION.
- THE TERM "SIMILAR" REFERS TO COMPARABLE CHARACTERISTICS FOR THE ELEVATION, DETAIL NOTED, OR SPECIFIC CONDITIONS SUCH THAT A COMPLETE SYSTEM AND COMPONENT SHALL BE PROVIDED.
- 7. THE TERM "TYPICAL" REFERS TO COMPARABLE CONDITIONS TO WHICH THE DETAIL, ELEVATION, NOTE, OR REQUIREMENT SHALL APPLY, WHETHER GRAPHICALLY REPRESENTED OR NOT, WHEN A DETAIL OR NOTE IS IDENTIFIED AS MIRRORED OR SHOWN IN THE OPPOSITE HAND, AND WHETHER OR NOT THE REFERENCE IS REPEATED IN OTHER INSTANCES.
- 8. THE TERM "VERIFY" REFERS TO A CONDITION THAT MUST BE CONFIRMED BEFORE PROCEEDING WITH THE ORDERING MATERIAL OR THE FABRICATION AND INSTALLATION OF A COMPONENT.
- 9. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH THE DOCUMENT ABBREVIATION LIST OR ARE THOSE IN COMMON USE. THE ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.
- 0. WHERE THE TERM "OR EQUAL" IS USED, THE ARCHITECT ALONE SHALL DETERMINE EQUALITY BASED UPON INFORMATION SUBMITTED BY THE CONTRACTOR. SUBSTITUTION REQUESTS WILL ONLY BE CONSIDERED DURING THE TIME FRAME ALLOWED BY SPECIFICATIONS DIVISION 1.

EQUIPME

- DRAWINGS ARE PREPARED USING DIMENSIONS AND PRODUCT CONFIGURATIONS OR DETAILS OF SPECIFIC MANUFACTURERS, TYPICALLY THE FIRST MANUFACTURER LISTED UNDER "ACCEPTABLE MANUFACTURERS" IN THE SPECIFICATIONS. THE SIZES, LOCATIONS FOR MOUNTING AND ATTACHMENTS, AND LOCATIONS OF UTILITY CONNECTIONS FOR EACH ITEM OF EQUIPMENT SHOWN ON THE DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.
- 2. DIMENSIONS AND DETAILS FOR SPECIFIC PRODUCTS MAY CHANGE BEFORE THEY ARE INCORPORATED INTO THE WORK. ALSO, THE SIZES, LOCATIONS FOR MOUNTING AND ATTACHMENTS, AND LOCATIONS OF UTILITY CONNECTIONS CAN VARY FROM ONE MANUFACTURER TO ANOTHER AND ARE DEPENDENT ON THE EXACT MANUFACTURER'S MODEL FURNISHED. SO, THE CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED IN THE WORK, INCLUDING PARTITION THICKNESSES FOR RECESSED OR SEMI-RECESSED PRODUCTS. ADDITIONALLY, THE CONTRACTOR IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS, PRODUCTS OR ASSEMBLIES THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.
- 3. THE SIZES, LOCATION FOR MOUNTINGS AND ATTACHMENTS, AND LOCATIONS OF UTILITY CONNECTIONS FOR EACH ITEM OF EQUIPMENT SHOWN IN THE DRAWINGS ARE FOR ILLUSTRATION ONLY. ALL CAN VARY FROM ONE MANUFACTURER TO ANOTHER AND ARE DEPENDENT ON THE EXACT MANUFACTURER'S MODEL FURNISHED. THE CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT DIMENSIONS RELATING TO THE SIZE OF EACH PIECE OF EQUIPMENT, THE LOCATIONS OF ALL MOUNTINGS AND ATTACHMENTS, AND FOR ALL UTILITY CONNECTIONS FOR EACH ITEM OF EQUIPMENT. IF THE SELECTED PRODUCT RESULTS IN STRUCTURAL CHANGES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ENGINEERING THE CHANGE AND ALL RELATED COSTS.

DESIGN INTENT

- 1. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC), ARE COMPLEMENTARY AND ARE INTENDED TO BE USED TOGETHER; ITEMS REFERENCED IN EITHER THE DRAWINGS OR SPECIFICATIONS SHALL BE AS IF SHOWN IN BOTH DRAWINGS AND SPECIFICATIONS. WHERE THE INTENT CAN NOT BE REASONABLY INFERRED FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT.
- ALL DRAWINGS, NOTES, SYMBOLS, ETC. WITHIN THE CONSTRUCTION DOCUMENTS ARE INTENDED TO CONVEY THE DESIGN INTENT. THEY ARE NOT INTENDED TO BE EXHAUSTIVE IN SCOPE OR COMPREHENSIVE IN DETAIL, NOR ARE THEY MEANT TO BE ALL-INCLUSIVE OF THE MATERIALS/LABOR TO PRODUCE THE JOB AS INTENDED.
- NO DRAWING, NOTE, SYMBOL, ETC. SHALL SUPERSEDE ANOTHER.
- 4. THE DRAWING SET INDEX INDICATES A COMPLETE LIST OF SHEETS CONTAINED IN THE DRAWING SET, INDEXED BY DISCIPLINE, SHEET NUMBER, AND SHEET TITLE, IN SEQUENTIAL ORDER. NOTE: ALL SEQUENTIAL SHEET NUMBERS MAY NOT BE USED IN THE DRAWING SET.
- DISCIPLINE IDENTIFICATION IS IN THE ORDER BOUND IN THE DRAWING SET. REFER TO THE DRAWING SET INDEX LISTED BELOW FOR DISCIPLINES CONTAINED IN THIS DRAWING SET
- THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR THE CONVENIENCE OF THE ARCHITECT AND CONTRACTOR. SUCH SEPARATIONS IN NO WAY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE
- CONSTRUCTED AS A COMPLETE, INTEGRATED, AND UNIFIED WHOLE.
 ALL CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ONE WILL BE
 AS BINDING AS IF CALLED FOR BY ALL
 - G GENERAL INFORMATION A – ARCHITECTURAL S – STRUCTURAL M – MECHANICAL
 - P PLUMBING FP – FIRE PROTECTION E – ELECTRICAL T – TECHNOLOGY/LOW VOLTAGE

CONFL

- 1. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEKING CLARIFICATION/RESOLUTION WITH THE DESIGN INTENT FROM THE ARCHITECT
- 2. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN IN CONSULTING DRAWINGS
- 3. ENGINEERS' DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND ENGINEERING DOCUMENTS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR DIRECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ALL WORK FOUND TO BE INSTALLED IN
- CONFLICT WITH THE CONSTRUCTION DOCUMENTS AT NO ADDITIONAL EXPENSE TO THE OWNER.
 THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT UPON FINDING ANY CONFLICTS IN THE DRAWINGS AND SPECIFICATIONS.
- 6. NOT SCALE DRAWINGS. LARGE SCALE DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS. WHEN CONFLICT OCCURS BETWEEN DRAWINGS AND SPECS, THAT WHICH IMPLIES GREATER QUANTITY & QUALITY SHALL PREVAIL.
 - WRITTEN DIMENSIONS ALWAYS TAKE PRECEDENCE OVER-SCALED DRAWINGS. NOTIFY THE
 - DESIGN TEAM OF ANY DISCREPANCIES.

 CONTRACTOR TO ISSUE A COMPLETE SET OF CONTRACT DOCUMENTS TO EACH OF THE SUB-

CONTRACTORS FOR COORDINATION OF THEIR WORK AND DESCRIPTION OF THE SCOPE

OR FINAL, SHALL BE CONSTRUED AS ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER

- 9. NO WORK DEFICIENT OR DEFECTIVE IN QUALITY IN ANY OF THE REQUIREMENTS OF THE CONTRACT DOCUMENT WILL BE ACCEPTABLE DESPITE THE ARCHITECT'S FAILURE TO DISCOVER OR POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION. DEFECTIVE WORK REVEALED WITHIN THE TIME REQUIRED BY GUARANTEES OR WARRANTIES SHALL BE REPLACED BY WORK CONFORMING WITH THE INTENT OF THE CONTRACT. NO PAYMENT, EITHER PARTIAL
- IT IS INTENDED THAT THE CONTRACTOR PROVIDE A COMPLETE JOB, AND ANY OMISSIONS IN THESE NOTES OR THE OUTLINE OF WORK SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF SUCH RESPONSIBILITIES
- 11. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION ISSUES, THE CONTRACTOR SHALL SUBMIT THEM, IN WRITING, TO THE ARCHITECT AND IS RESPONSIBLE FOR OBTAINING A WRITTEN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.

COORDINAT

- 1. ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS SHOW WHERE DUCTWORK IS TO BE INSTALLED AT A SPECIFIC ELEVATION IN A CONTROLLED PATTERN. THE CONTRACTOR MUST RELY ON ALL OF THESE DISCIPLINES TO COMPLETE THE WORK AND SHOULD NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THE CONTRACTOR SHALL COORDINATE THE LAYOUT, CLEARANCES, AND LOCATION OF HEAD HEIGHTS WITH THE STRUCTURE, MECHANICAL DUCTWORK, ELECTRICAL LIGHTING, DRAINAGE PIPING, AND THE ARCHITECTURAL REFLECTED CEILING PLANS.
- THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE EXACT DIMENSIONS, SIZES, AND POSITIONS OF ALL OPENINGS IN ANY FLOOR, ROOF, OR WALL CONSTRUCTION NECESSARY FOR THE INSTALLATION OF THE WORK, INCLUDING CONFIRMING THE LOCATION OF ALL SUCH OPENINGS BEFORE BEGINNING THE WORK.
- 3. THE ARCHITECTURAL AND STRUCTURAL DRAWINGS DESCRIBE VARIOUS FLOOR SLAB SLOPE REQUIREMENTS, RECESSES, AND EDGE CONDITIONS. Therefore, USE BOTH SETS OF DRAWINGS WHEN INSTALLING THE FLOOR SLAB.
- ALL VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUIT, ETC. IN FINISHED ROOMS SHALL BE FURRED-IN OR ENCLOSED WITH MATCHING WALL CONSTRUCTION AND FINISHED TO MATCH ADJACENT FINISHED SURFACES AND ANY REQUIRED WALL OR CEILING RATING. In addition, ALL VERTICAL SHAFT ENCLOSURES NOT CONTIGUOUS TO THE LOWEST FLOOR SLAB AND TERMINATE ABOVE THE CEILING SHALL BE CLOSED AT THE BOTTOM BY A FIRE-RATED HORIZONTAL SHAFT CONSTRUCTION WITH MATCHES THE FIRE-RATING OF THE SHAFT ASSEMBLY.
- COORDINATE SCHEDULING PROVISIONS FOR INSTALLATION AND LOCATIONS OF ITEMS FURNISHED BY THE OWNER OR OTHERS. FACILITATE WORK WITH ALL TRADES ON THE PROJECT NOT UNDER CONTRACT TO THE CONTRACTOR (I.E., TELEPHONE, COMPUTER, ETC.). ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN SUCH TRADES AND THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH THE RESOLUTION OF THOSE CONFLICTS AT NO ADDITIONAL COST TO THE OWNER
- 6. ALL ATTACHMENTS TO AND PENETRATIONS THROUGH CONCRETE NOTED ON THE DRAWINGS TO BE WATERPROOFED SHALL BE MADE BEFORE THE APPLICATION OF THE WATERPROOFING MATERIAL
 - ALL OPERATING MECHANISMS IN PIPING AND DUCTWORK SHALL BE INSTALLED AT LOCATIONS THAT PROVIDE SAFE, DIRECT, AND EASY ACCESS FOR MAINTENANCE. ACCESS DOORS SHALL BE PROVIDED AT ALL WALLS AND CEILINGS WHERE ACCESS TO SUCH MECHANISMS IS NOT OTHERWISE READILY AVAILABLE.
- THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND COORDINATE AND COMPLY WITH ALL REQUIREMENTS INDICATED ON THE PROJECT DOCUMENTS BEFORE PROCEEDING WITH THE WORK AND SHALL PROVIDE ALL WORK NECESSARY TO INSTALL COMPLETE AND FULLY OPERATIONAL SYSTEMS AND COMPONENTS.
- THE CONTRACTOR SHALL WORK WITHIN THE BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS AND COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, AND ORDINANCE REQUIREMENTS. OCCUPANTS ADJACENT TO THE PROJECT AREA BOUNDARIES
- SHALL CONTINUE UNINTERRUPTED OCCUPANCY DURING THE CONSTRUCTION PROJECT.

 10. THE CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES SERVING EXISTING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE OWNER AND ALL AUTHORITIES HAVING
- JURISDICTION AND SHALL PROVIDE TEMPORARY SERVICES DURING CONSTRUCTION
 ACCEPTABLE TO THE OWNER AND AUTHORITIES HAVING JURISDICTION.
 VERIFY IN THE FIELD THAT NO CONFLICTS EXIST, WHICH WOULD PROHIBIT THE LOCATION OF
 ANY AND ALL MECHANICAL, ELECTRICAL, TELEPHONE, LIGHTING, PLUMBING, AND SPRINKLER
 EQUIPMENT, INCLUDING ALL REQUIRED PIPING, DUCTWORK, AND CONDUIT. CONFIRM THAT ALL
 REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF THE ABOVE EQUIPMENT
- 12. ALL FLAG NOTES ARE SPECIFIC TO EACH DRAWING SHEET

ARE PROVIDED.

- ALL WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR U.N.O. ALL REFERENCES TO THE "CONTRACTOR." INCLUDE THE GENERAL CONTRACTOR AND THE SUB-CONTRACTORS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER ALL CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUB-CONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- 14. THOROUGHLY CLEAN ALL SURFACES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIAL, AND EQUIPMENT 24 HOURS BEFORE OCCUPANCY OF ANY PHASE. VACUUM OR MOP AS APPROPRIATE ON ALL FLOORS, CLEAN WINDOWS, AND GLAZING.
- 15. THE CONTRACT DOCUMENTS INTEND TO ALLOW FOR THE PERFORMANCE OF THE WORK. EVERY ITEM NECESSARILY REQUIRED MAY NOT BE SPECIFICALLY MENTIONED OR SHOWN. UNLESS EXPRESSLY STATED, ALL SYSTEMS AND EQUIPMENT SHALL BE COMPLETELY AND APPROPRIATELY OPERABLE. PROVIDE ALL SPECIFIED AND APPROPRIATE ITEMS, ALL INCIDENTAL, ACCESSORY, AND OTHER ITEMS NOT SPECIFIED BUT REQUIRED FOR COMPLETE AND FINISHED ASSEMBLY.
- 16. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY AND THE SUBCONTRACTORS TO REVIEW ALL DRAWINGS, PROJECT MANUAL, ADDENDA, ETC. TO ensure the Coordination of all Work affecting each trade. Failure to review and coordinate all contract Documents by the general contractor with all the subcontractors for Applicable Items shall not relieve the responsible party from performing all Work so required as part of the contract.
- 17. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OF THE SCOPE OF WORK AFFECTING BOTH EXISTING CONDITIONS AND NEW WORK. NO CHANGE REQUESTS WILL BE CONSIDERED FOR ANY WORK THAT THE GENERAL THE CONTRACTOR SHOULD HAVE BECOME FAMILIAR WITH DURING the SITE VISIT, FIELD REVIEW, AND SURVEY.
- 18. PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION, AND SIZE OF OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.
- 19. PROVIDE HORIZONTAL CONCEALED SOLID WOOD BLOCKING FOR ATTACHMENT OF CABINETS AND EQUIPMENT IN ALL NEW WALLS. INTERIOR K.D H.M. FRAMES IN LIGHT GUAGE WALLS TO HAVE WOOD BUCKS AS PART OF ASSEMBLY.
- 20. ELECTRICAL PANELS IN THE CORRIDORS SHALL BE PAINTED TO MATCH THE ADJACENT WALL FINISH. In addition, ALL EXPOSED STEEL, IRONWORK, METAL PIPES, AND PRIMED METAL SURFACES OF MECHANICAL AND ELECTRICAL EXPOSED TO VIEW IN OCCUPIED, EGRESS STAIR, AND CIRCULATION SPACES SHALL BE PAINTED. THE PAINTING SUBCONTRACTOR SHALL PROVIDE A FIELD MOCK-UP OF PAINTED WALL(S) OF THE BASE AND ACCENT PAINT COLORS FOR REVIEW AND APPROVAL BY THE OWNER AND ARCHITECT.

SQUARED DESIGN SERVICE

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CU ANSCHUTZ MEDICAL CAMPU DENTAL SCHOOL LOUNGE RENOVA

History Date

| SSUE FOR CONSTRUCTION 11.03.202

DATE: 11.03.2023
PROJECT #: 2022.101

DRAWN BY: DM
DESIGNED BY: AG

CHECKED BY:

GENERAL NOTES

AIR CONDITIONER / CONDITIONING

ANGLE

ABOVE

ACCESSORIES

ACCESS DOOR

ACOUSTICAL

AREA DRAIN

ADDITIONAL

ADDENDUM

ADMINISTRATION

ACCESS FLOOR

ACOUSTICAL CEILING TILE

ADJUSTABLE / ADJACENT

ABOVE FINISHED COUNTER

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

ABOVE FINISHED SLAB

AIR HANDLING UNIT

AGGREGATE

ANCHOR

ALUMINUM

ALIGNMENT

ALTERNATE

ANODIZED

ACCESS PANEL

APPROXIMATELY

ARCHITECT(URAL)

APPROVED

ASPHALT

AUTOMATIC

AVERAGE

BETWEEN

BITUMINOUS

BUMPER GUARD

BOARD

BLACK

BLOCK

BEAM

BUILDING

BLOCKING

BOTTOM

CABINET

CEMENT

CERAMIC

CUBIC FOOT

CHAMFER

CHALKBOARD

CAST IN PLACE

CONTROL JOINT

CENTER LINE

CEILING

CLOSET

COLUMN

CONCRETE

CONSTRUCTION

CARPET(ED)(ING)

DIRECT APPLIED EXTERIOR FINISH SYSTEM

EXTERIOR INSULATION AND FINISH SYSTEM

CERAMIC TILE

COUNTER

DOUBLE

DEGREE

DETAIL

DEMOLISH

DEPRESSION

DIAMETER

DIAGONAL

DIMENSION

DISPENSER

DOWNSPOUT

DRAWING

EACH FREE

ELEVATION

ELECTRICAL

ELEVATOR

ENGINEER

EDGE OF DECK

EDGE OF SLAB

EQUAL(LY)

EQUIPMENT

ESTIMATE

EXISTING

EXTERIOR

FIRE ALARM

FASTEN(ER)

FLOOR DRAIN

FOUNDATION

FLOOR CLEAN OUT

FIRE EXTINGUISHER

FINISHED FLOOR

FIBERGLASS

FINISH(ED)

FLASH(ING)

FLUORESCENT

FACE OF CONCRETE

FIXTURE FLOOR

FIRE EXTINGUISHER CABINET

FIRE EXTINGUISHER CABINET, RECESSED

FIRE EXTINGUISHER, WALL MOUNTED

FIRE EXTINGUISHER CABINET, SEMI-RECESSED

EXPANSION

EMERGENCY

ENCLOSED / ENCLOSURE

ELECTRIC WATER COOLER

EXPANSION JOINT

EAST

EACH

DIVISION

DOWN

DOOR

DRINKING FOUNTAIN

CONTINUOUS

CORRIDOR

COPPER

CONTRACTOR INSTALLED

CONCRETE MASONRY UNIT

CLEAN/CLEAR OUT

CAST IRON

CORNER GUARD

CEILING HEIGHT

BOTH SIDES

CASEWORK

CATCH BASIN

BALANCE MAGNETIC SWITCH

BOTTOM OF STEEL

ACOUSTICAL PANEL CEILING

AMERICAN SOCIETY FOR TESTING MATERIALS

AMERICANS WITH DISABILITIES ACT

ABV

ACCS

ACSDR

ACSFLR

ACT

ADDL

ADJ

AFS

AGGR

AHR

AL / ALUM

ALNMT

ANOD

APC

APPROX

APPVD

ARCH

ASPH

ASTM

AUTO

BITUM

BLDG

BLK

BLKG

BMS

BOS

CER

CHBD

CLO

CMU

COL

CONC

CONST

CONT

CORR

DEFS

DEMO DEP

ELEC

ELEV

EMER

ENG

EOD

EOS

EWC

EXIST

FEC (SR)

FLASH

FLUOR

DEG

AVG

ADDM

ADMIN

ACST / ACOUS

FACE OF FINISH

FACE OF STUDS

FACE OF WALL

FIREPROOF

FIREPLACE

FLOOR SINK

FOOTING

FURRING

FUTURE

GAUGE

GALVANIZE(D)

GLASS / GLAZING

GENERAL CONTRACTOR

GRAB BAR

GROUND

GRADE

GRAVEL

GLASS TILE

GYPSUM BOARD

GYPSUM

HOSE BIB

HOLLOW CORE

HANDICAPPED

HEAVY DUTY

HARD

HIGH

HEADER

HARDWARE

HORIZONTAL

HIGH POINT

HANDRAIL

HOUR

HEIGHT

HARDWARE

INSIDE DIAMETER

INCLUDE(D) / INCLUDING

INSULATE / INSULATION

INCH / INCHES

HYDRANT

INTERIOR

JANITOR

KITCHEN

LABORATORY

LAMINATE(D)

LAVATORY

POUND(S)

LEFT HAND

LIBRARY

LOCKER

LINEAR FOOT (FEET)

LINOLEUM SHEET

LINOLEUM TILE

LOW POINT

LIGHT WEIGHT

MAINTENANCE

MATERIAL

MAXIMUM

MECHANICAL

MANUFACTURE(R)

MISCELLANEOUS

MASONRY OPENING

NOT IN CONTRACT

MOISTURE RESISTANT

NOT AVAILABLE / APPLICABLE

NATIONAL FIRE PROTECTION ASSOCIATION

OWNER FURNISHED CONTRACTOR INSTALLED

MEZZANINE

MANHOLE

MINIMUM

MOULDING

MOUNTED

METAL

MULLION

NORTH

NUMBER

NOMINAL

OVERALL

OBSCURE

ON CENTER

OPENING

OUNCE

PARTIAL

PATTERN

PEDESTAL

PERIMETER

PERFORATED

PERPENDICULAR

POURED-IN-PLACE

PROPERTY LINE

PLASTIC LAMINATE

PRESSED METAL FRAMES

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

PAPER TOWEL DISPENSER

PAPER TOWEL RECEPTACLE

POLYVINYL CHLORIDE

PRESSURE TREATED DOUGLAS FIR

PAPER TOWEL DISPENSER &WASTE RECEPTACLE

POINT OF PRESENCE

PLATE

PLASTER

PLYWOOD

PRE-CAST

PROPERTY

POINT

QUARTZ

QUARRY TILE

PREFABRICATED

PORCELAIN TILE

PRE-FINISHED

PARTICLE BOARD

PRECAST CONCRETE

OUTSIDE DIAMETER

NOT TO SCALE

MIRROR

MEDICINE CABINET

MECHANICAL EQUIPMENT

LIGHT

LOUVER

MACHINE

JOINT

HOLLOW METAL

HOLLOW METAL INSULATED

HEATING / VENTILATION / AIR CONDITIONING

FRAME

FACE OF MASONRY

FIBER REINFORCED CONCRETE

FIRE RETARDANT TREATED

FIBER REINFORCED GYPSUM PLASTER

QUANTITY

RISER

RCP

REFR

REG

REINF

REQ

REST

RWD

SAFB

SCD

SCN

SCR

SDC

SECT

SHTG

SHWR

SOG

STA

STC

STD

STDS

STIFF

STN

STRUCT

SUSP

UON

WCV

SCHED

RADIUS

RUBBER BASE

REFERENCE

REGISTER

REQUIRED

RESILIENT

REFRIGERATOR

REINFORCE(D)

RESILIENT SHEET

REVISE / REVISION

ROUGH OPENING

RUBBER SHEET FLOORING

RUBBER STAIR TREADS & RISERS

SOUND ATTENUATION FIRE BLANKET

SOAP DISPENSER / STORM DRAIN

SANITARY NAPKIN DISPENSER

SPECIFY / SPECIFICATION

SANITARY NAPKIN RECEPTACLE

RUBBER STAIR TREADS

RAIN WATER LEADER

SEAT COVER DISPENSER

SEALED CONCRETE

REMOTE POINT

RUBBER TILE

REDWOOD

SOLID CORE

SCHEDULE

SCREEN

SCREEN

SECTION

SHEET

SQUARE FEET

SHEATHING

SHOWER

SIMILAR

SPEAKER

SQUARE

STATION

STANDARD

STIFFENER

STUDS

STEEL

STAINED

STORAGE

SUSPENDED

SYMMETRICAL

TOP AND BOTTOM

TO BE DETERMINED

TRAVEL DISTANCE

TEMPORARY / TEMPERATURE

TONGUE AND GROOVE

SYNTHETIC

TOWEL BAR

TOP OF CURB

TELEPHONE

TERRAZZO

THROUGH

TOP OF CONCRETE

TOILET PAPER DISPENSER

UNDERWRITER'S LABORATORY

UNLESS OTHERWISE NOTED

UNINTERRUPTIBLE POWER SUPPLY

TOP OF SLAB

TOP OF WALL

TELEVISION

TYPICAL

UNDERCUT

UNFINISHED

VACUUM

VENTILATE

VERTICAL

VENEER

VOLUME

VINYL TILE

WITH

WITHOUT

WOOD

WATER CLOSET

WALLCOVERING

WIDE FLANGE

WROUGHT IRON

WALL HOSE / HYDRANT

WATERPROOF(ING)

WATER RESISTANT

WIRE GLASS

WINDOW

WAINSCOT

WORK POINT

WOOD RISER

WEIGHT

YARD

WORK

VENT THRU ROOF

VINYL WALLCOVERING

VESTIBULE

VERIFY IN FIELD

VINYL STAIR TREADS

VINTYL STAIR TREADS & RISERS

VAPOR BARRIER

VINYL COMPOSITION TILE

UNDERGROUND

TOILET PARTITION

THICK

SWITCH

SYSTEM

SQUARE FEET

SQUARE INCH(ES)

STAINLESS STEEL

STAINED CONCRETE

STRUCTURE / STRUCTURAL

SLAB ON GRADE

RESILIENT TILE

RETAINING

ROOFING

ROOM

REFLECTED

RIGHT HAND

REFLECTED CEILING PLAN

ROOF DRAIN, REMOTE DOOR

FOF

FOM

FOS

FRGP

FRT

FTG

FURR

FUT

GALV

GRV

GYP

HB

HCP

HDWR

HVAC

HYD

INSUL

LAB

LAM

LB(S)

LVR

LWT

MEZZ

MTL

MUL

NA OR N/A

NFPA

NO / #

NOM

OFCI

OPG / OPNG

PC / PCC

PED

PLAM

PLAS

PMF

POP

PRCST

PREFAB

PROP

PTD/WR

PTDF

PLYWD

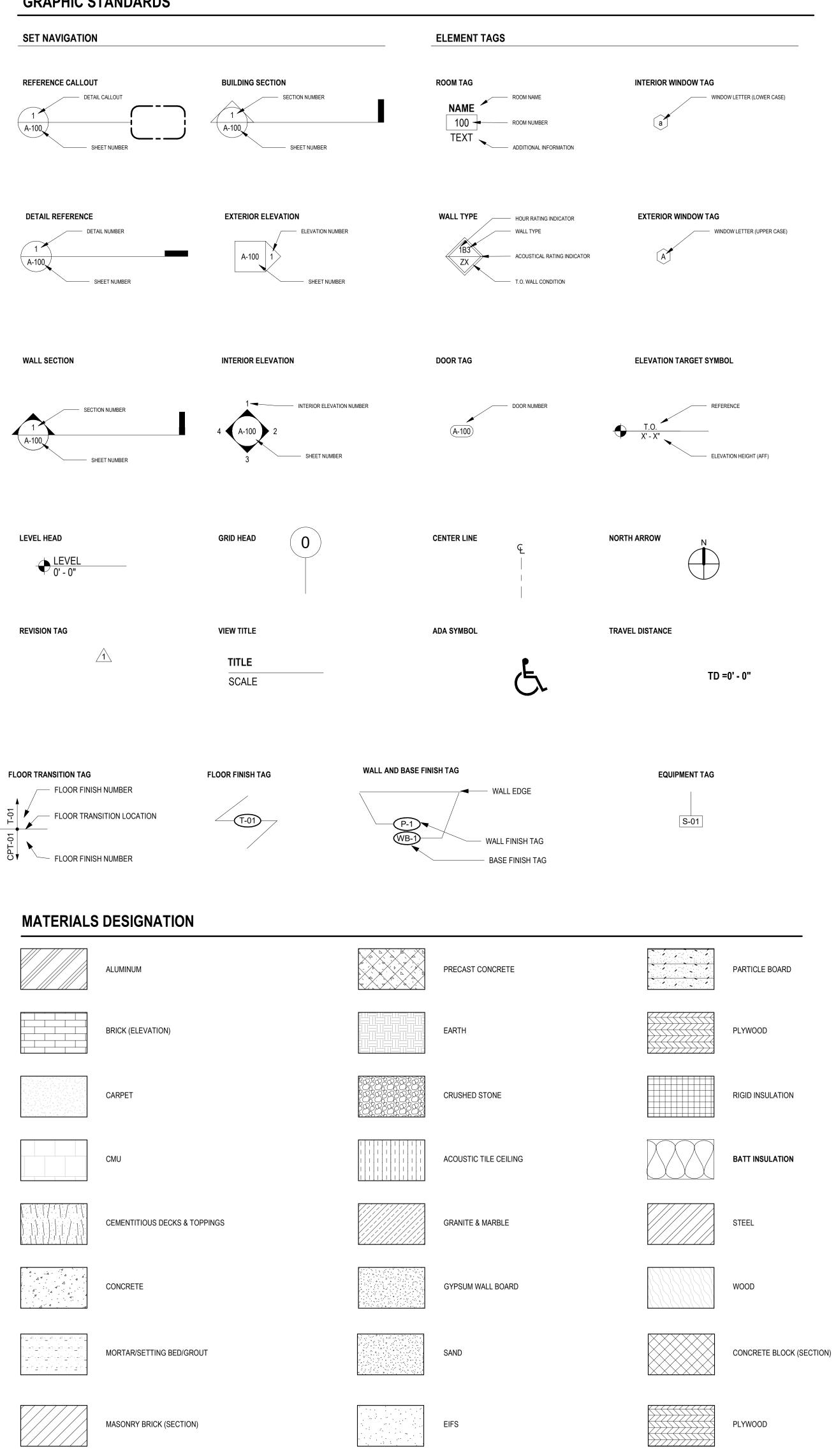
HOR / HORIZ

DRAWN BY:

DESIGNED BY:

ABBREVIATIONS & SYMBOLS

AG



CODE SUMMARY

SUMMARY OF WORK THIS PROJECT CONSISTS OF AN INTERIOR RENOVATION OF THE DENTAL SCHOOL LOUNGE AND LOCKER AREA. SCOPE INCLUDES NEW CASEWORK AND MINOR MODIFICATIONS TO THE EXISTING LOUNGE AREA AS WELL AS NEW FINISHES THROUGHOUT THE LOUNGE AND LOCKER AREA. MINOR MODIFICATIONS TO THE EXISTING ELECTRICAL POWER AND LIGHTING ARE WITHIN SCOPE.

NO EXTERIOR WORK, NO MODIFICATIONS TO THE EXISTING HVAC SYSTEM AND NO NEW ADDED SQUARE FOOTAGE IS PROPOSED IN THIS PROJECT. NO CHANGE IN USE OR CHANGE TO OCCUPANCY.

APPLICABLE CODES

INTERNATIONAL BUILDING CODE - 2021

INTERNATIONAL EXISTING BUILDING CODE - 2021 INTERNATIONAL MECHANICAL CODE - 2021 INTERNATIONAL PLUMBING CODE - 2021 INTERNATIONAL FIRE CODE - 2021 INTERNATIONAL ENERGY CONSERVATION CODE - 2021 INTERNATIONAL FUEL GAS CODE - 2021 NATIONAL ELECTRIC CODE 2020

(E) BUILDING WAS CONSTRUCTED UNDER 1997 UBC ZONING INFORMATION

MU-OI - MIXED USE OFFICE / INSTITUTIONAL DISTRICT ZONING SUBAREA 'A'

(E) BUILDING AREA SUMMARY

WORK AREA SQUARE FOOTAGE 2,196 SF (ENTIRE PROJECT AREA LOCATED IN EXISTING BASEMENT)

304.1 BUSINESS GROUP B OCCUPANCY (PRIMARY OCCUPANCY) BUSINESS GROUP B OCCUPANCY INCLUDES, AMONG OTHERS, THE USE OF A BUILDING OR STRUCUTRE, OR A PORTION THEREOF, FOR OFFICE, PROFESSIONAL OR SERVICE-TYPE TRANSACTIONS, INCLUDING STORAGE OF RECORDS AND ACCOUNTS. BUSINESS OCCUPANCIES SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: - EDUCATIONAL OCCUPANCIES FOR STUDENTS ABOVE THE

(E) USE AND OCCUPANCY CLASSIFICATIONS IBC CHAPTER 3

FIRE PROTECTION SYSTEM **FULLY SPRINKLERED - EXISTING**

CLASSIFICATION OF WORK IEBC CHAPTER 6

603 ALTERATION - LEVEL 1 LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT OR FIXTURES USING NEW MATERIALS, ELEMENTS,

EQUIPMENT OR FIXTURES THAT SERVE THE SAME PURPOSE.

ALTERATIONS - LEVEL 1 IEBC CHAPTER 7

702 ALL NEW FLOOR, WALL AND CEILING FINISHES COMPLY WITH SECTION 702.1 THROUGH 702.3.

704.1 EXISTING MEANS OF EGRESS MAINTAINS EXISTING LEVEL OF PROTECTION. THERE IS NO CHANGE OF OCCUPANCY OR CHANGE OF USE.

CODE PLAN LEGEND

PROJECT LIMIT LINE — • — 1-HR RATED WALL 2-HR RATED WALL **EXIT ARROW** → XX EXIT ACCESS ARROW

LOCKERS L26-021 **STUDY** L26-010A2 216 SF STUDENT LOUNGE L26-010A

ARCHITECTURAL + DESIGN SERVICES 10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226

720.502.4156

History

\(\sumsymbol{\text{SSUE FOR CONSTRUCTION}} \)

DATE: PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY:

CODE PLAN

11.03.2023 2022.101

CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION

History

SSUE FOR CONSTRUCTION

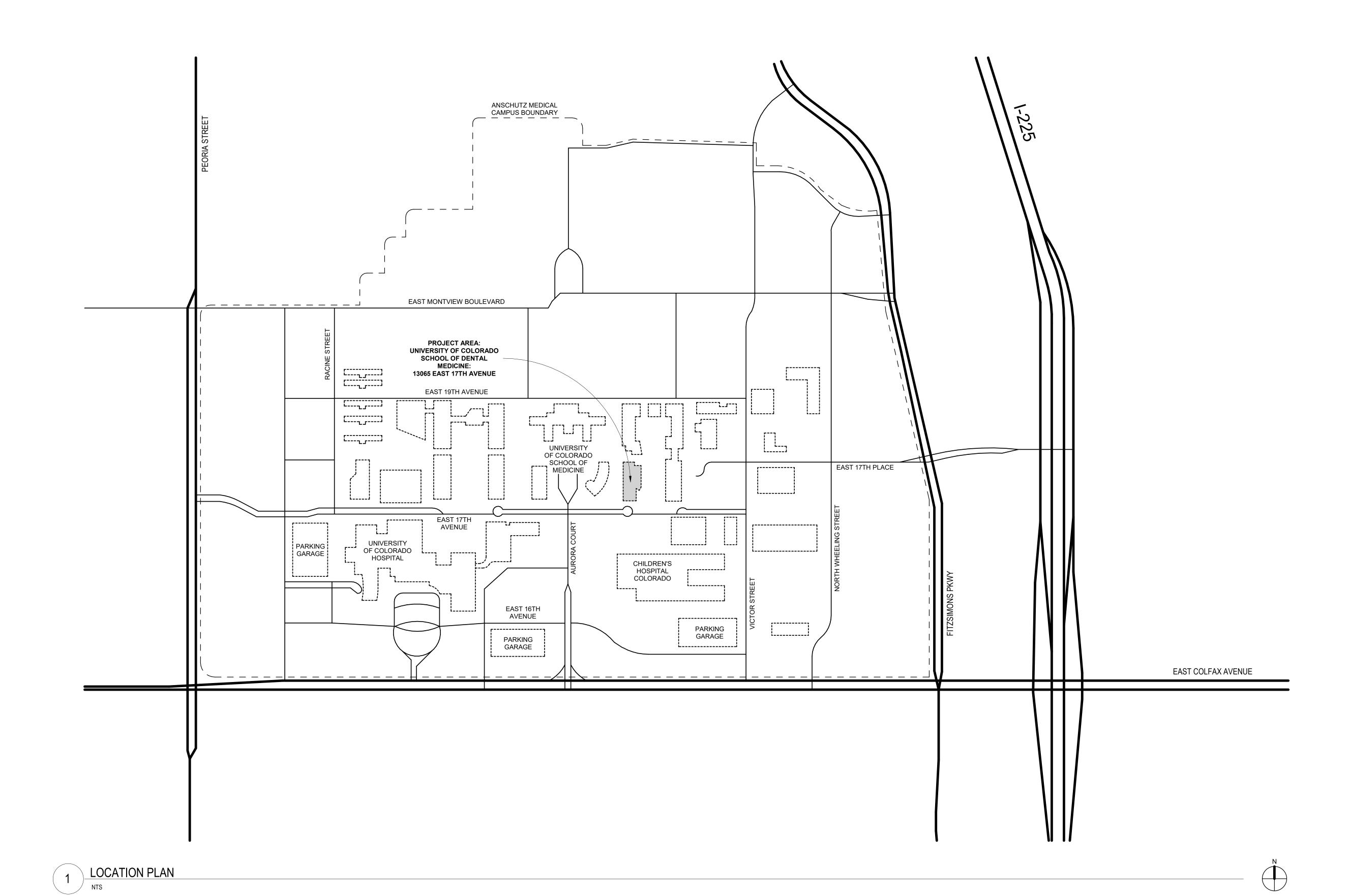
Date
11.03.2023

DATE:
11.03.2023

PROJECT #:
2022.101

DRAWN BY:
DESIGNED BY:
CHECKED BY:
JG

LOCATION PLAN



GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY OF THE ENTIRE BUILDING EXCEPT WHERE OTHERWISE NOTED.
- UPON THE DISCOVERY OF HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION, NOTIFY THE DESIGNER AND OWNER IMMEDIATELY AND AWAIT FURTHER INSTRUCTIONS, THE WORK AREA SHALL BE COMPLETELY SEALED OFF DURING ABATEMENT.
- WORK INCLUDED IN THE CONTRACT IS ILLUSTRATED IN BOLD-DASHED LINE WORK. UNLESS NOTED OTHERWISE, BOLD-DASHED ITEMS INDICATED SUCH AS: PARTITIONS, DOORS, WINDOWS, EQUIPMENT, ETC. ARE TO BE REMOVED. WHERE THE TERM "REMOVE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LEGALLY DISPOSE OF.
- WHERE THE TERM "SALVAGE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THIS PROJECT AND RETURN TO OWNER. WHERE THE TERM "REMOVE AND REINSTALL" IS USED, THE CONTRACTOR IS TO DETACH ITEMS FROM EXISTING CONSTRUCTION,
- PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
- WHERE THE TERM "EXISTING TO REMAIN" IS USED, THE EXISTING ITEMS OF CONSTRUCTION ARE NOT TO BE REMOVED. SEE REFLECTED CEILING DEMOLITION PLANS FOR CEILING DEMOLITION WORK. SEE ELECTRICAL ENGINEERING DRAWINGS FOR THE REMOVAL OF SPECIFIC ELECTRICAL SYSTEMS.
- REINSTALLED EQUIPMENT AND DEVICES ARE TO BE CLEANED OF FOREIGN MATERIAL. WHEREVER MECHANICAL, ELECTRICAL, AND PLUMBING DEVICES ARE REMOVED, ALL PIPING AND/OR CONDUITS THAT ARE ABANDONED SHALL BE CAPPED OFF BELOW THE FLOOR, INSIDE THE WALLS, OR ABOVE THE CEILINGS EXCEPT WHERE NOTED OTHERWISE. MECHANICAL/ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRING TO PANEL BOXES. PATCH AND REPAIR FINISHES TO MATCH SURROUNDING FINISHES. BLANK COVER PLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE, UNO.
- REMOVE WALL BASE IN AREAS WHERE FLOORING IS BEING REMOVED. AT FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE TO PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE,
- AND APPEARANCE. OWNER TO REMOVE (E) FURNITURE AND (E) EQUIPMENT PRIOR TO THE CONTRACTOR BEGINNING WORK. (E) FIRE PROTECTION SYSTEM COMPONENTS ARE TO REMAIN AND PROTECTED IN PLACE

RÉMOVE EXISTING CORNER GUARDS THROUGHOUT. PREPARE FOR NEW CORNER GUARDS. FLOOR PLAN LEGEND

— — — INDICATES DEMOLISHED ELEMENT

AREA NOT IN CONTRACT (NIC) PROJECT LIMIT LINE

EXISTING		DEMOLITION
	WALLS	
\otimes	FIRE EXTINGUISHER	\otimes

FLAGNOTES

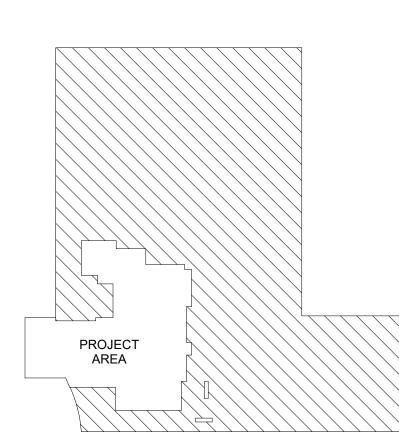
- REMOVE (E) BUILT-IN BANQUETTE INCLUDING UPHOLSTERY, CUSHIONING AND WOOD LAMINATE
- REMOVE (E) DISHWASHER AND SINK. CAP WATER AND DRAIN LINES AT FORMER DISHWASHER LOCATION
- REMOVE (E) FLOORING AND WALL BASE THROUGHOUT PROJECT AREA (E) DRINKING FOUNTAIN AND BOTTLE FILLER TO REMAIN
- RÉMOVE (E) MAILBOXES AT THIS LOCATION. (E) RATED FIRE PARTITION AT CORRIDOR TO BE PROTECTED IN PLACE (E) INTERCOM LOCATION, PROTECT IN PLACE REMOVE PARTITION FROM FINISHED FLOOR UP TO BOTTOM OF SOFFIT ABOVE, SEE DEMOLITION ELEVATIONS
- REMOVE (E) FURNITURE. SALVAGE AT OWNER'S DISCRETION REMOVE AND REINSTALL (E) TV. DEMO WALL AS NEEDED FOR NEW OUTLET LOCATION
- REMOVE AND REINSTALL (E) STAINLESS STEEL CORNER GUARDS, TYP
- REMOVE (E) MAGAZINE RACK. SALVAGE FOR OWNER REMOVE AND REINSTALL (E) FIRE EXTINGUISHER AND ASSOCIATED SIGNAGE
- SALVAGE (E) REFRIGERATOR.
- REMOVE (È) UPPER CABINET ABOVE REMOVE AND REINSTALL (E) SIGNAGE "STUDENT CYBER CAFE". DISPOSE/RETURN TO BUILDING OWNER REMAINING SIGNAGE.
- REMOVE (E) SIGNAGE AND RETURN TO BUILDING OWNER. REMOVE (E) ACOUSTICAL WALL PANELS REMOVE (E) DISPLAY BOARDS AT END CAPS
- SALVAGE (É) MICROWAVES, SOAP DISPENSER AND PAPER TOWEL DISPENSER. VERIFY WITH REINSTALLATION WITH OWNER REMOVE (E) TRASH RECEPTACLES AND RETURN TO BUILDING OWNER. (E) STUDENT LOCKERS TO REMAIN, PROTECT IN PLACE
- RÉMOVE AND REINSTALL (E) VENDING MACHINES IN (N) LOCATION. SEE FLOOR PLAN FOR (N) VENDING MACHINE LOCATION(S) SAW CUT AND REMOVE (E) CONCRETE FOR NEW POWER TRENCH LOCATION. PROVIDE GPR PRIOR TO SAW CUTTING. COORDINATE

AND FIELD LOCATE FINAL ELECTRICAL BOX LOCATIONS 25. (E) WALL MOUNTED WOOD BENCH TO REMAIN

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LAKEWOOD, COLORADO 80226

720.502.4156



BASEMENT LEVEL KEY PLAN

11.03.2023 DATE: 2022.101 PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY:

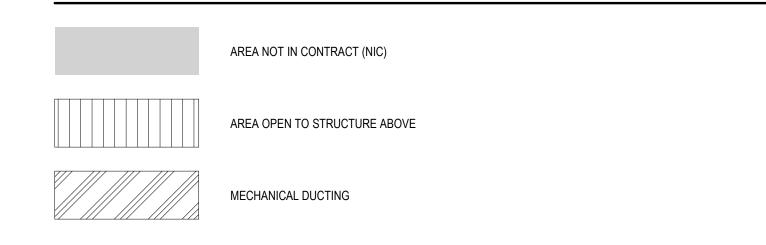
DEMOLITION PLAN

AD-101

GENERAL DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY OF THE ENTIRE BUILDING EXCEPT
- WHERE OTHERWISE NOTED. UPON THE DISCOVERY OF HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION, NOTIFY THE DESIGNER AND OWNER IMMEDIATELY AND AWAIT FURTHER INSTRUCTIONS, THE WORK AREA SHALL BE COMPLETELY SEALED OFF DURING ABATEMENT.
- WORK INCLUDED IN THE CONTRACT IS ILLUSTRATED IN BOLD-DASHED LINE WORK. UNLESS NOTED OTHERWISE, BOLD-DASHED ITEMS INDICATED SUCH AS: PARTITIONS, DOORS, WINDOWS, EQUIPMENT, ETC. ARE TO BE REMOVED. WHERE THE TERM "REMOVE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LEGALLY DISPOSE OF.
- WHERE THE TERM "SALVAGE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THIS PROJECT AND RETURN TO OWNER. WHERE THE TERM "REMOVE AND REINSTALL" IS USED, THE CONTRACTOR IS TO DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
- WHERE THE TERM "EXISTING TO REMAIN" IS USED, THE EXISTING ITEMS OF CONSTRUCTION ARE NOT TO BE REMOVED. SEE REFLECTED CEILING DEMOLITION PLANS FOR CEILING DEMOLITION WORK.
- SEE ELECTRICAL ENGINEERING DRAWINGS FOR THE REMOVAL OF SPECIFIC ELECTRICAL SYSTEMS. REINSTALLED EQUIPMENT AND DEVICES ARE TO BE CLEANED OF FOREIGN MATERIAL.
- WHEREVER MECHANICAL, ELECTRICAL, AND PLUMBING DEVICES ARE REMOVED, ALL PIPING AND/OR CONDUITS THAT ARE ABANDONED SHALL BE CAPPED OFF BELOW THE FLOOR, INSIDE THE WALLS, OR ABOVE THE CEILINGS EXCEPT WHERE NOTED OTHERWISE. MECHANICAL/ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRING TO PANEL BOXES. PATCH AND REPAIR FINISHES TO MATCH SURROUNDING FINISHES. BLANK COVER PLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE, UNO. REMOVE WALL BASE IN AREAS WHERE FLOORING IS BEING REMOVED.
- AT FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE TO PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE, AND APPEARANCE.
- OWNER TO REMOVE (E) FURNITURE AND (E) EQUIPMENT PRIOR TO THE CONTRACTOR BEGINNING WORK.
- (E) FIRE PROTECTION SYSTEM COMPONENTS ARE TO REMAIN AND PROTECTED IN PLACE RÉMOVE EXISTING CORNER GUARDS THROUGHOUT. PREPARE FOR NEW CORNER GUARDS.

DEMOLITION RCP LEGEND

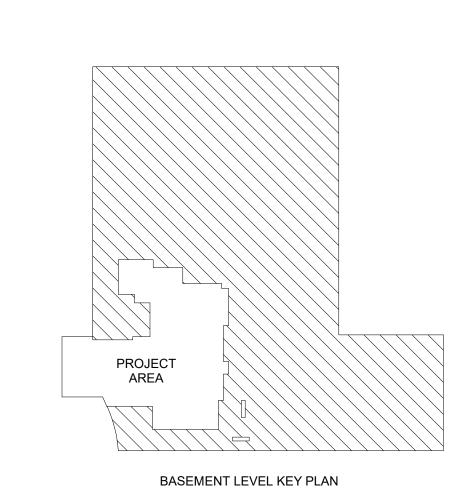


PROJECT LIMIT LINE

<u>EXISTING</u>		DEMOLITION
	RECESSED CAN LIGHT, RE: ELECTRICAL	
	SUSPENDED SPOTLIGHT, RE: ELECTRICAL	
❖	OVERHEAD OR WALL MOUNTED EMERGENCY EXIT SIGN WITH TRAVEL DIRECTION INDICATOR, RE; ELECTRICAL	⇔ ⊗ DEMO
0 0	PENDANT MOUNTED LINEAR LIGHT FIXTURE, RE: ELECTRICAL	0 0
	2X2 LIGHT FIXTURE, RE: ELECTRICAL	
	2X4 LIGHT FIXTURE, RE: ELECTRICAL	
	2X2 ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM	+ - +
	2X4 ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM	+ — — — +
	EXHAUST, RE: MECHANICAL	
	SUPPLY, RE: MECHANICAL	
	GYPSUM CEILING	

FLAGNOTES

- DEMO EXISTING SOFFIT
- DEMO PARTITION FROM FINISHED FLOOR UP TO BOTTOM OF SOFFIT, SEE DEMOLITION ELEVATIONS REMOVE (E) RECESSED CAN LIGHTS. PATCH AND REPAIR DRYWALL SOFFIT AS NECESSARY. PREPARE FOR NEW PAINT.
- CASEWORK BELOW TO BE DEMOLISHED, SEE DEMOLITION ELEVATIONS
- REMOVE (E) SUSPENDED SPOTLIGHT, SEE ELECTRICAL REMOVE (E) WALL ABOVE (E) MAILBOXES UP TO (E) CEILING. ENSURE CORRIDOR RATING IS MAINTAINED.



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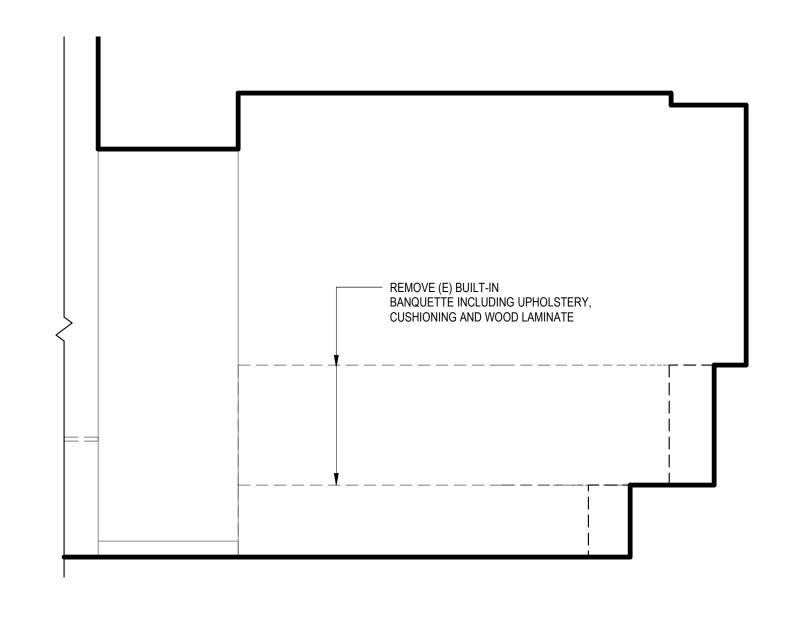
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11.03.2023 PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY:

DEMOLITION RCP

2022.101

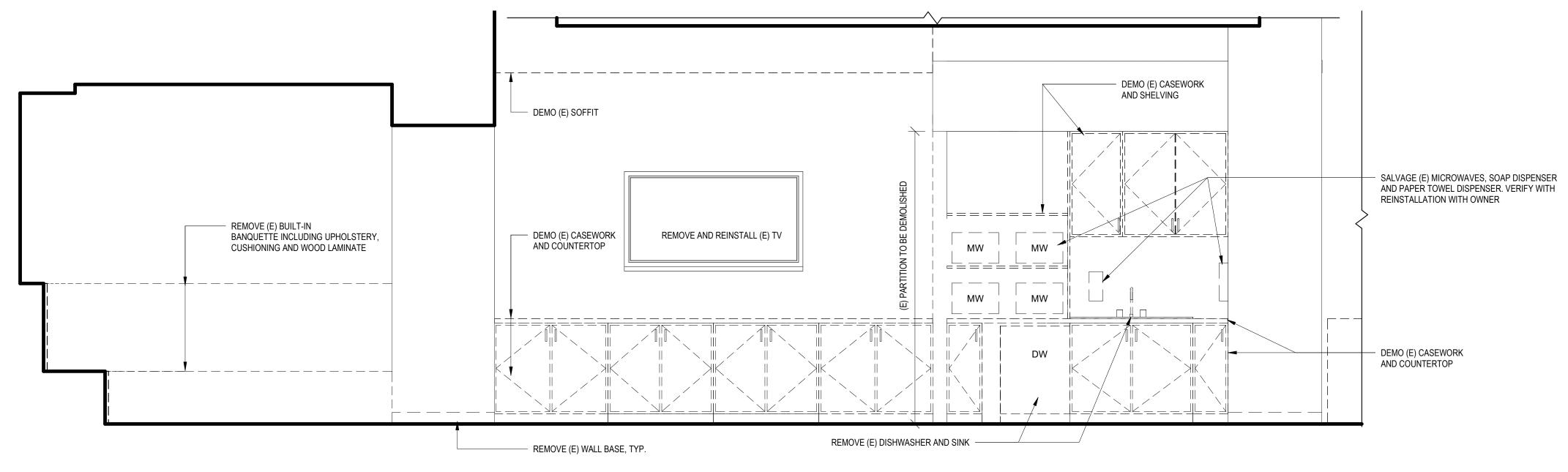
AD-111



REMOVE (E) ACOUSTICAL WALL PANELS

REMOVE (E) BUILT-IN
BANQUETTE INCLUDING UPHOLSTERY,
CUSHIONING AND WOOD LAMINATE





DEMO ELEVATION - LOUNGE & STUDY - NORTH

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

History Date

SSUE FOR CONSTRUCTION 11.03.20

DATE:
PROJECT #:
DRAWN BY:

DESIGNED BY:
CHECKED BY:

DEMOLITION
ELEVATIONS

11.03.2023 2022.101

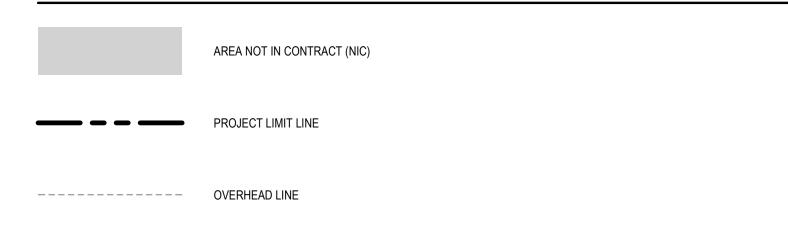
> DM AG

AD-201

GENERAL FLOOR PLAN NOTES

- ALL SPACES TO MAINTAIN FIRE PROTECTION REQUIREMENTS
- PROVIDE AIR RETURNS AND TRANSFERS AS REQUIRED TO MAINTAIN MECHANICAL REQUIREMENTS
- ALL NEW PARTITION DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNO REFERENCE ENLARGED FLOOR PLANS FOR EQUIPMENT SCHEDULE NEW STAINLESS STEEL CORNER GUARDS TO BE INSTALLED THROUGHOUT SPACE

FLOOR PLAN LEGEND



EXISTING		NEW CONSTRUCTION
	WALLS	
	FIRE EXTINGUISHER	\otimes

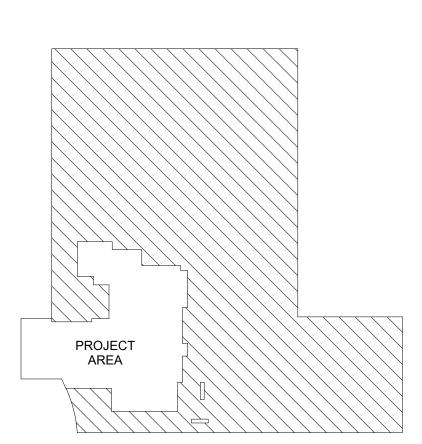
FLAGNOTES

- (N) CASEWORK, (N) COUNTERTOP WITH (N) SINK AND MICROWAVE OVENS AT (E) LOUNGE AREA (N) CASEWORK AND (N) COUNTERTOP WITH TRASH DISPOSAL AND RECYCLING BINS
- (N) STORAGE CABINETS AT NICHE WITHIN COORIDOR. (E) RATED FIRE PARTITION AT CORRIDOR TO BE PROTECTED IN PLACE
- (N) REFRIGERATORS. PROVIDE DEDICATED ELECTRICAL POWER, SEE ELECTRICAL (N) ROUND FELT ACCENT DISPLAY BOARDS AT (E) WALL END CAPS, FROM ETSY SHOP SEEBYCLO. SEE FINISH LEGEND FOR COLOR
- (N) BANQUETTE BUILT-IN SEATING WITH UPHOLSTERED CUSHIONING AND (N) PLASTIC LAMINATE
- (E) DRINKING FOUNTAINS AND BOTTLE FILLER TO REMAIN (N) CUSTOM METAL GRID ACCENT DISPLAY BOARDS AT (E) WALL END CAPS, SEE INTERIOR ELEVATIONS AND FINISH LEGEND

- (E) VENDING MACHINES RELOCATED TO CORRIDOR. PROVIDE (N) DEDICATED ELECTRICAL POWER, SEE ELECTRICAL
 (E) STUDENT LOCKERS TO REMAIN
 NEW TRENCH LOCATION FOR FLOOR CORES, SEE ELECTRICAL
 ELECTRICAL CONDUIT THROUGH-PENETRATION TO VENDING MACHINES. GC TO PROVIDE FIRESTOPPING SYSTEM AT PENETRATION
 TO MAINTAIN (E) FIRE RATING OF CORRIDOR WALL.
 (N) COUNTERTOP WITH SUPPORT BRACKETS; RE: ELEVATIONS.
- PATCH AND REPAIR WALL AS REQUIRED.
 PATCH AND REPAIR WALL AT NEW OUTLET LOCATION. VERIFY FINAL MOUNTING HEIGHT WITH OWNER. COORDINATE FINAL ETHERNET

	PLATE LOCATION WITH ELECTRICAL ENGINEER.
16.	(N) FIRE EXTINGUISHER CABINETS AT EXISTING EXTUINGISHER LOCATIONS.
17.	DIRECT TV BOX TO BE IN LOCKED CABINET ADJACENT TO TV, COORDINATE LOCATION WITH OWNER.

EQUIPMENT SCHEDULE								
MARK	EQUIPMENT TYPE	MANUFACTURER	MODEL	FINISH	Count	NOTES		
F-01	FAUCET	KOHLER Co.	K-22972-CP	POLISHED CHROME	1			
GD-01	DISPOSAL	INSINKERATOR	BADGER 5		1			
HWD-01	HOT WATER DISPENSER	INSINKERATOR	F-H330	POLISHED CHROME	1			
MW-01	MICROWAVE	GE	JEM3072SHSS	STAINLESS STEEL	4			
PTD-01	PAPER TOWEL DISPENSER	N/A	N/A	N/A	1	RELOCATE EXISTING		
REFR-01	REFRIGERATOR	WHIRLPOOL	WRS335SDHM	STAINLESS STEEL	2			
S-01	SINK	ELKAY	ECTSRAD25226TBG5	STAINLESS STEEL	1			
SD-01	SOAP DISPENSER	SCOTT ESSENTIAL	KC CASSETTE SOAP DISPENSER, 92145	BLACK	1	MOUNTING HEIGHT TO BE ADA COMPLIANT		
TV-01	TELEVISION	(E)	(E)	(E)	1	(E) RELOCATED TV; OFCI		
V-1	VENDING MACHINE	(E)	(E)	(E)	2	(E) RELOCATED VENDING MACHINES OFCI		
WR-01	WASTE RECEPTACLE	CONTINENTAL	25GY SWINGLINE 25 GALLON SQUARE TRASH CAN	BLACK	1	16.5" SQ. X 26 7/8" H		



BASEMENT LEVEL KEY PLAN

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

11.03.2023 2022.101 DATE: PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY: DM, NS AG

FLOOR PLAN

GENERAL RCP NOTES

- ALL REFLECTED CEILING PLAN DIMENSIONS AND HEIGHTS ARE FROM FINISH FACE TO FINISH FACE. ALL CEILING GRIDS ARE CENTERED ON ROOM OR CORRIDOR UNO.
- ALL FIXTURES SHOWN AT CEILING GRID TO BE CENTERED IN BOTH DIRECTIONS WITHIN THE TILE. CENTER ALL CEILING MOUNTED ITEMS WITHIN CEILING ELEMENTS, IN GYPSUM BOARD SOFFITS AND BETWEEN OTHER CEILING MOUNTED FIXTURES.
- COORDINATE ACCESS PANEL LOCATIONS WITH LOCATIONS OF OTHER CEILING MOUNTED ITEMS. ALL EXPOSED DUCTWORK, STRUCTURE, SPRINKLER PIPING AND PLUMBING DEVICES TO RECEIVE PAINT FINISH.
- INSTALL CEILING DEVICES AS INDICATED ON PLANS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL SUSPENDED ACOUSTICAL CEILING TILE TO MATCH EXISTING UNO. ALL EXISTING SOFFITS TO BE PAINTED P-4 U.N.O.

RCP LEGEND AREA NOT IN CONTRACT (NIC)

AREA OPEN TO STRUCTURE ABOVE

NEW GYPSUM BOARD SOFFIT



PROJECT LIMIT LINE

EXISTING

RECESSED CAN LIGHT, RE: ELECTRICAL SUSPENDED SPOTLIGHT, RE: ELECTRICAL

OVERHEAD OR WALL MOUNTED EMERGENCY EXIT SIGN WITH TRAVEL DIRECTION INDICATOR, RE;

ELECTRICAL

PENDANT MOUNTED LINEAR LIGHT FIXTURE, RE: ELECTRICAL 2X2 LIGHT FIXTURE, RE: ELECTRICAL

2X4 LIGHT FIXTURE, RE: ELECTRICAL

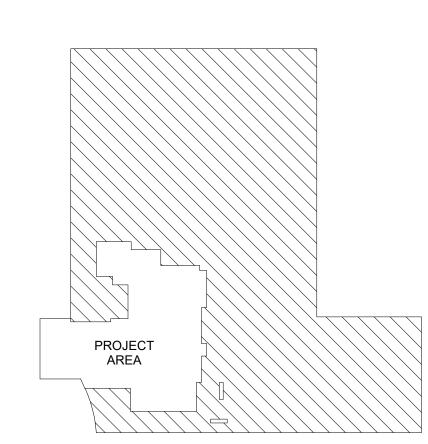
2X2 ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM 2X4 ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM

SUPPLY, RE: MECHANICAL

EXHAUST, RE: MECHANICAL

FLAGNOTES

- (E) SKYLIGHT TO REMAIN (N) GYP BOARD SOFFIT WITH (N) LIGHTING. FINISH TO BE FLUSH TO ADJACENT SOFFIT FINISH
- (E) ACT CEILING 'CLOUD' WITH (É) LIGHTING. PROTECT IN PLACE SOFFIT TO BE PAINTED P-4, RE: FINISH PLAN
- SOFFIT TO BE PAINTED P-2, RE: FINISH PLAN



BASEMENT LEVEL KEY PLAN

ARCHITECTURAL + DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

NEW CONSTRUCTION

11.03.2023 2022.101 PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY:

REFLECTED CEILING PLAN

GENERAL FINISH NOTES

1. ALL WALLS TO BE PAINTED P-1 U.N.O.

FINISH PLAN LEGEND

AREA NOT IN CONTRACT (NIC)

MATERIAL CALLOUT

FLAGNOTES

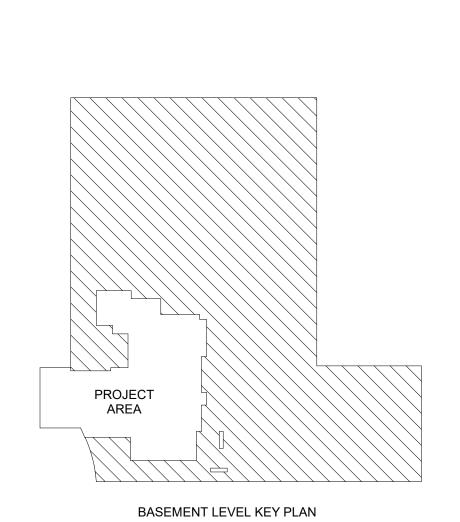
(E) XX-X

PROVIDE NEW STAINLESS STEEL CORNER GUARDS THROUGHOUT CUSTOM BULLETIN BOARDS, RE: INTERIOR ELEVATIONS

TRANSITION TAG

- PROVIDE (N) SCHLUTER SHIENE ALUMINUM TRANSITION STRIP, RE: DETAILS
 PROVIDE (N) SCHLUTER RENO-U ALUMINUM TRANSITION STRIP, RE: DETAILS
 G.C. TO MATCH NEW WALL BASE TO EXISTING WALL BASE THROUGHOUT CORRIDOR
- G.C. TO MATCH NEW PAINT TO EXISTING PAINT THROUGHOUT CORRIDOR

			FINISH SCH	IEDULE			
TYPE	KEY	LOCATION	MANUFACTURER	STYLE NAME	COLOR NUMBER	COLOR	FINISH
FABRIC					l		
FABRIC	FAB-1	BANQUETTE	CARNEGIE	BOOMERANG PRINT	5	BLUE	N/A
FABRIC	FAB-2	BANQUETTE	MOMENTUM TEXTILES	RUSTIC	09366949	BAY DUN	N/A
FELT							
FELT	FLT-1	LOUNGE	ETSY	CIRCLE PIN DISPLAY BOARD	10, 21, 22	RANDOM MIX	N/A
METAL							
METAL	MTL-1	LOUNGE	ETSY - PRAIRIELAND ETSY SHOP	WALL GRID PHOTO DISPLAY	N/A	BLACK	N/A
PAINT							
PAINT	P-1	THROUGHOUT	SHERWIN WILLIAMS	PROMAR 200	SW 7627	WHITE HERON	EGGSHELI
PAINT	P-2	ACCENT	SHERWIN WILLIAMS	PROMAR 200	SW 7674	PEPPERCORN	EGGSHELI
PAINT	P-3	ACCENT	SHERWIN WILLIAMS	PROMAR 200	SW 7640	FAWN BRINDLE	EGGSHEL
PAINT	P-4	CEILING	SHERWIN WILLIAMS	PROMAR 200	SW 7007	CEILING BRIGHT WHITE	FLAT
DI ACTIC I ANAINIATE	·						
PLASTIC LAMINATE PLASTIC LAMINATE	PL-1	MILLWORK	FORMICA	FENIX	J0754	BLUE FES	MATTE
PLASTIC LAMINATE	PL-2	MILLWORK	FORMICA	MILLENNIUM OAK	5887	OAK	MATTE
PLASTIC LAMINATE	PL-3	MILLWORK	FORMICA	FENIX	J0724	GRIGIO BROMO	MATTE
QUARTZ COUNTERTOP & BACKSI	PLASH						
QUARTZ COUNTERTOP & BACKSPLASH	SS-1	MILLWORK	CONCRETE COLLABORATIVE	PACIFICA / VENICE	N/A	RETRO MIX	MATTE
VINYL TILE							
VINYL TILE	LVT-1	THROUGHOUT	ASPECTA FLOORING	FLAMED OAK	812211X	BEPPU	N/A
VINYL TILE	LVT-2	BANQUETTE AREA	PATCRAFT	EARTHEN 1667V	00540	HAZE	V2 SLIGHT
							VARIATION
WALL BASE							
WALL BASE	WB-1	THROUGHOUT	TARKETT	4" TRADITIONAL VINYL 1/8	63	BURNT UMBER	N/A
WALLCOVERING							
WALLCOVERING	WC-1	BEHIND TV	GRAVITY DIGITAL WALLS	FRAMEWORK	TWV-C-IL	OAK	TYPE II
WALLCOVERING	WC-2	ABOVE BANQUETTE	MDC INTERIOR SOLUTIONS	EBB AND FLOW	DG1291	BLUE STREAK	TYPE II
WOOD							
WOOD	WD-1	LOUNGE	LOWES OR EQ.	1 3/8" X 8' PINE WOOD LATTICE MOULDING	CUSTOM	STAINED TO MATCH LVT-1	SATIN



History

SSUE FOR CONSTRUCTION

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

DATE: PROJECT #: 11.03.2023 2022.101 DRAWN BY: DESIGNED BY: CHECKED BY: DM, NS AG, NS JG

FINISH PLAN

FOR REFERENCE ONLY

1 FURNITURE PLAN

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

GENERAL FURNITURE NOTES

PHONES AND COMPUTERS WILL BE MOVED BY OWNER PROVIDED TELECOM GROUP.
ALL FURNITURE AND EQUIPMENT SHOWN IS FOR REFERENCE ONLY.
ALL FURNITURE AND EQUIPMENT TO BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

FURNITURE PLAN LEGEND

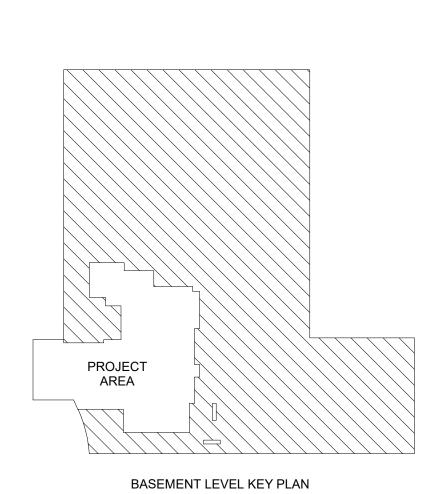
AREA NOT IN CONTRACT (NIC) PROJECT LIMIT LINE

MATERIAL CALLOUT

(E) XX-X TRANSITION TAG

10920 W. ALAMEDA AVE, SUITE 100

LAKEWOOD, COLORADO 80226 720.502.4156

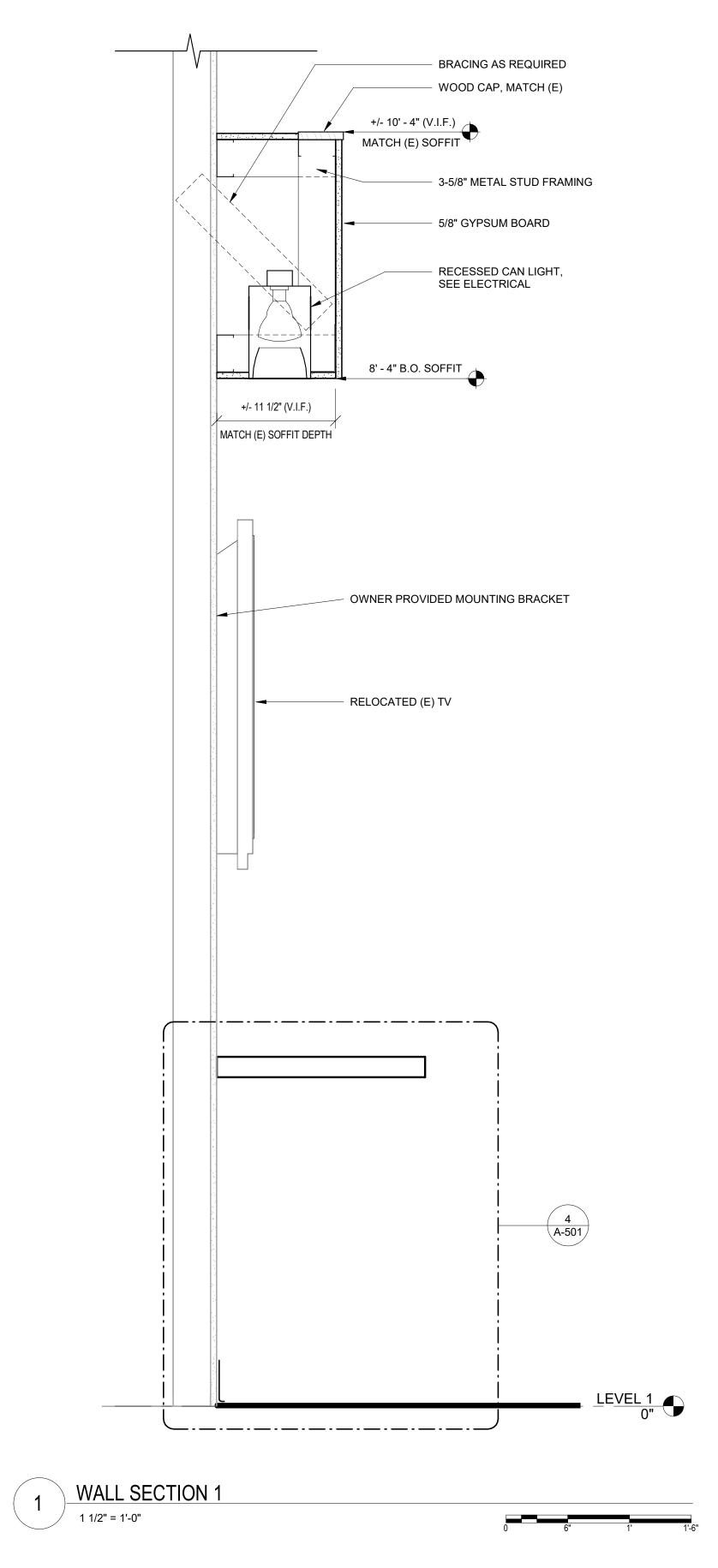


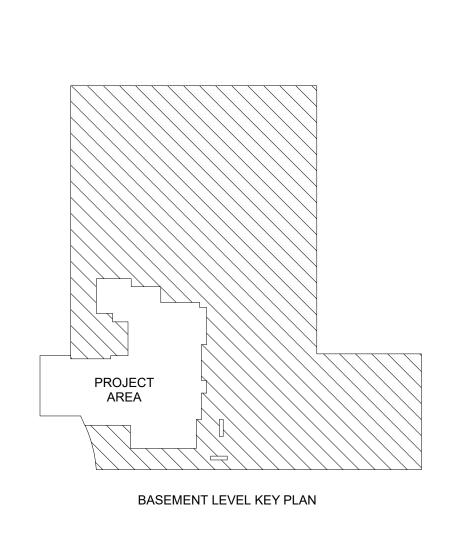
History

SSUE FOR CONSTRUCTION DATE: PROJECT #: 11.03.2023 2022.101

DRAWN BY: DESIGNED BY: CHECKED BY: DM, NS AG, NS JG FURNITURE PLAN







History

SSUE FOR CONSTRUCTION

11.03.2023 2022.101 DATE: PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY:

WALL SECTIONS

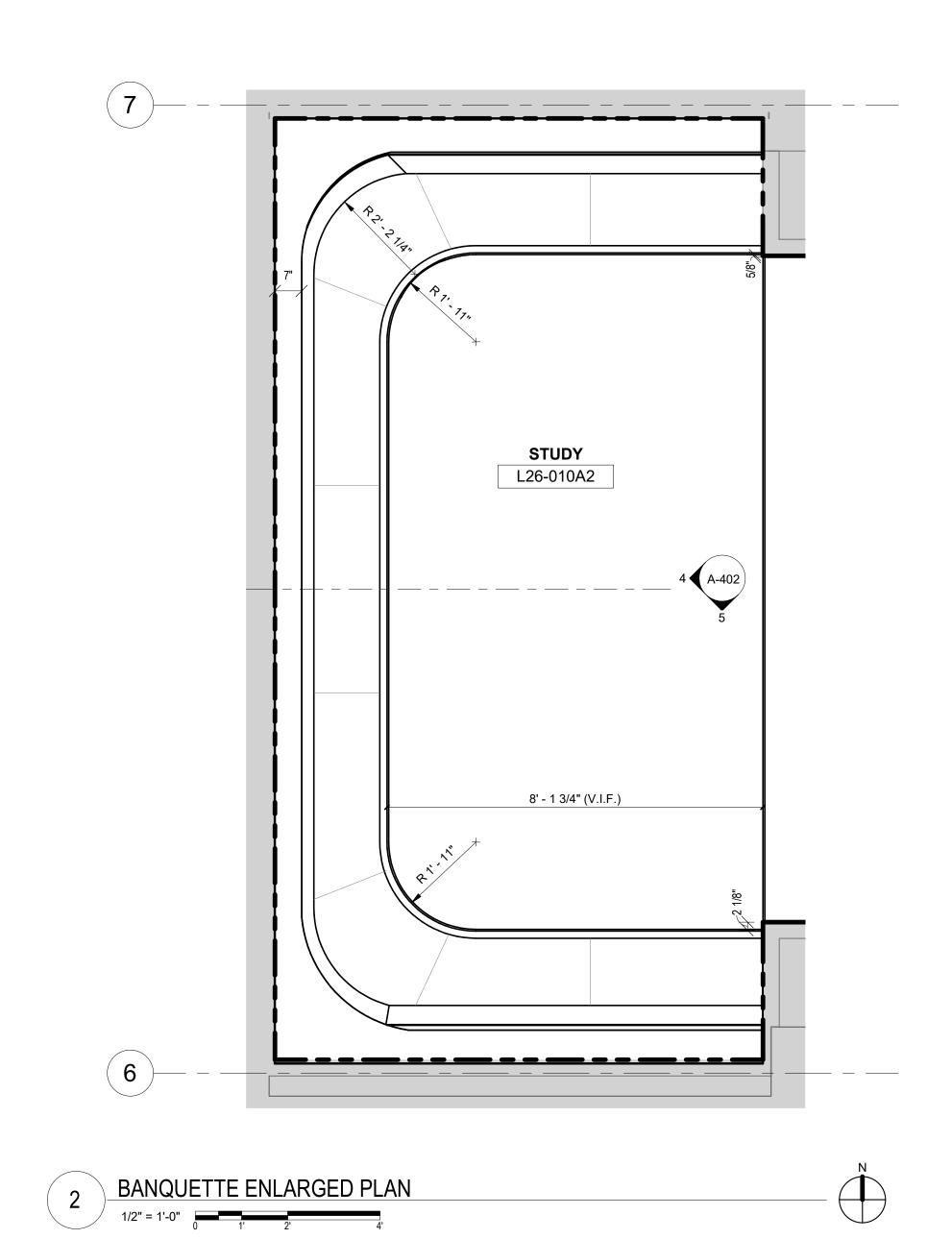
DM AG, NS JG

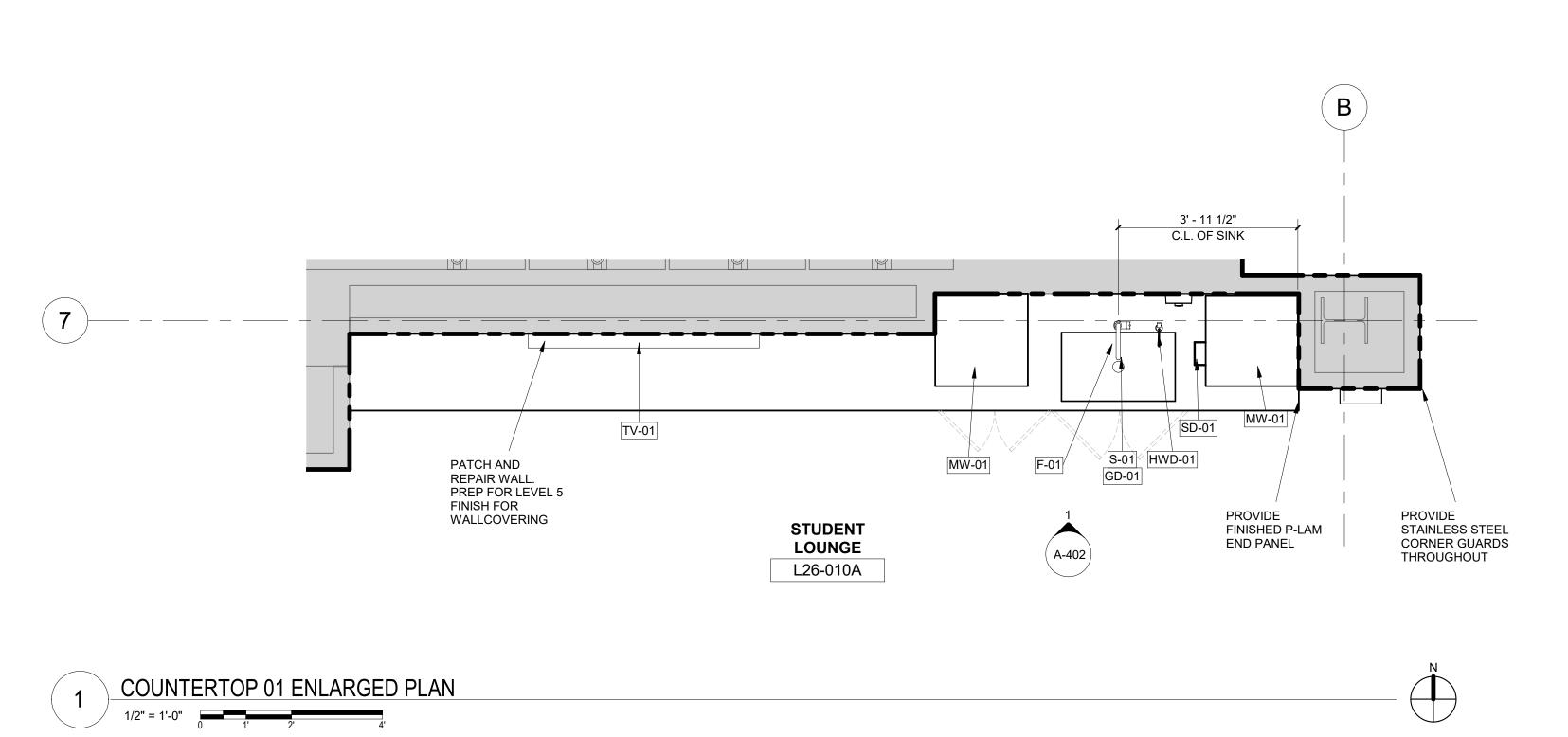
EQUIPMENT SCHEDULE									
MARK	EQUIPMENT TYPE	MANUFACTURER	MODEL	FINISH	Count	NOTES			
F-01	FAUCET	KOHLER Co.	K-22972-CP	POLISHED CHROME	1				
GD-01	DISPOSAL	INSINKERATOR	BADGER 5		1				
HWD-01	HOT WATER DISPENSER	INSINKERATOR	F-H330	POLISHED CHROME	1				
MW-01	MICROWAVE	GE	JEM3072SHSS	STAINLESS STEEL	4				
PTD-01	PAPER TOWEL DISPENSER	N/A	N/A	N/A	1	RELOCATE EXISTING			
REFR-01	REFRIGERATOR	WHIRLPOOL	WRS335SDHM	STAINLESS STEEL	2				
S-01	SINK	ELKAY	ECTSRAD25226TBG5	STAINLESS STEEL	1				
SD-01	SOAP DISPENSER	SCOTT ESSENTIAL	KC CASSETTE SOAP DISPENSER, 92145	BLACK	1	MOUNTING HEIGHT TO BE ADA COMPLIANT			
TV-01	TELEVISION	(E)	(E)	(E)	1	(E) RELOCATED TV; OFCI			
V-1	VENDING MACHINE	(E)	(E)	(E)	2	(E) RELOCATED VENDING MACHINES;			

CONTINENTAL 25GY SWINGLINE 25 GALLON SQUARE BLACK TRASH CAN

WR-01 WASTE RECEPTACLE

16.5" SQ. X 26 7/8" H







11.03.2023 2022.101 DATE: PROJECT #: DRAWN BY: DESIGNED BY: CHECKED BY: DM, NS AG, NS JG **ENLARGED PLANS**

History

SSUE FOR CONSTRUCTION

CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION

A-402

ELEVATIONS

BLOCKING AS REQUIRED

4 1/2"

4 1/4"

BLOCKING AS REQUIRED

PLYWOOD SUBSTRATE

RUBBER BASE

BLOCKING AS REQUIRED

- P-LAM BASE WITH BLOCKING

G SQUARED DESIGN
ARCHITECTURAL + DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100
LAKEWOOD, COLORADO 80226

720.502.4156

J ANSCHUTZ MEDICAL CAMPUS AL SCHOOL LOUNGE RENOVATION

History Date

SSUE FOR CONSTRUCTION 11.03.20

11.03.2023

2022.101

AG

DATE:
PROJECT #:

DRAWN BY:
DESIGNED BY:
CHECKED BY:

HAFELE AXIMAT HINGE

RUBBER BASE 3/4" PLYWOOD

4"

1' - 8 17/32"

2' - 2 23/32"

2. ALL DOOR AND DRAWER FACES SHALL BE PLASTIC LAMINATE ON 11/16" MDF.

4. CABINET TO HAVE LOCKABLE HARDWARE INSTALLED.

1. CABINET EXTERIOR SHALL BE PLAM ON 3/4" MDF W/ PVC EDGING TO MATCH PLAM.

3. ALL INTERIOR SURFACES SHALL BE MELAMINE W/ PVC EDGING TO MATCH EXTERIOR PLAM.

BLOCKING AS REQUIRED

- RUBBER BASE

1. CABINET EXTERIOR SHALL BE PLAM ON 3/4" MDF W/ PVC EDGING TO MATCH PLAM.

3. ALL INTERIOR SURFACES SHALL BE MELAMINE W/ PVC EDGING TO MATCH EXTERIOR PLAM.

2. ALL DOOR AND DRAWER FACES SHALL BE PLASTIC LAMINATE ON 11/16" MDF.

DETAILS

13065

History Date
SSUE FOR CONSTRUCTION 11.03.2023

ACCESSIBILITY

DETAILS & __STANDARDS_

A-610

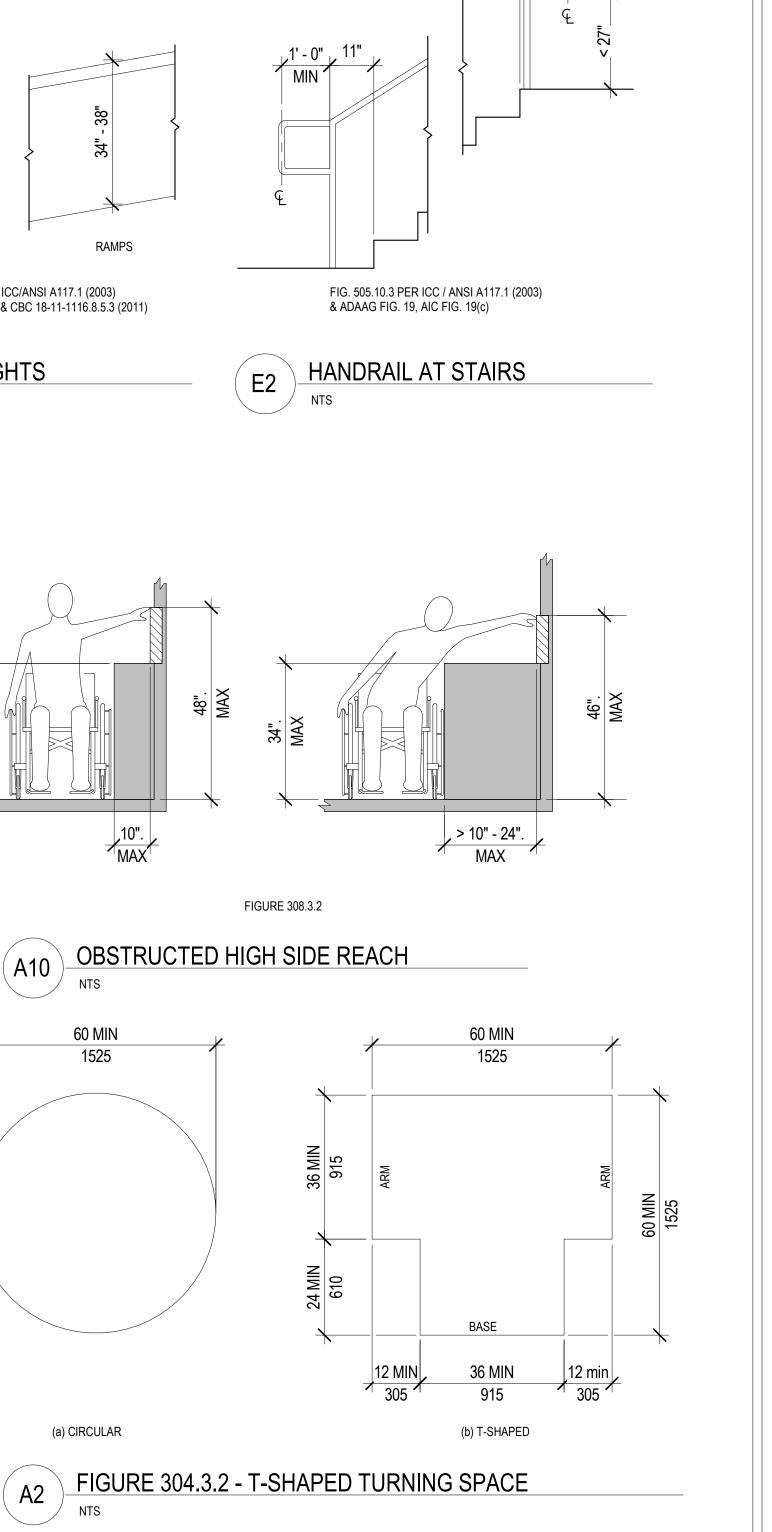
DATE:

PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

11.03.2023 2022.101

DM AG, JG



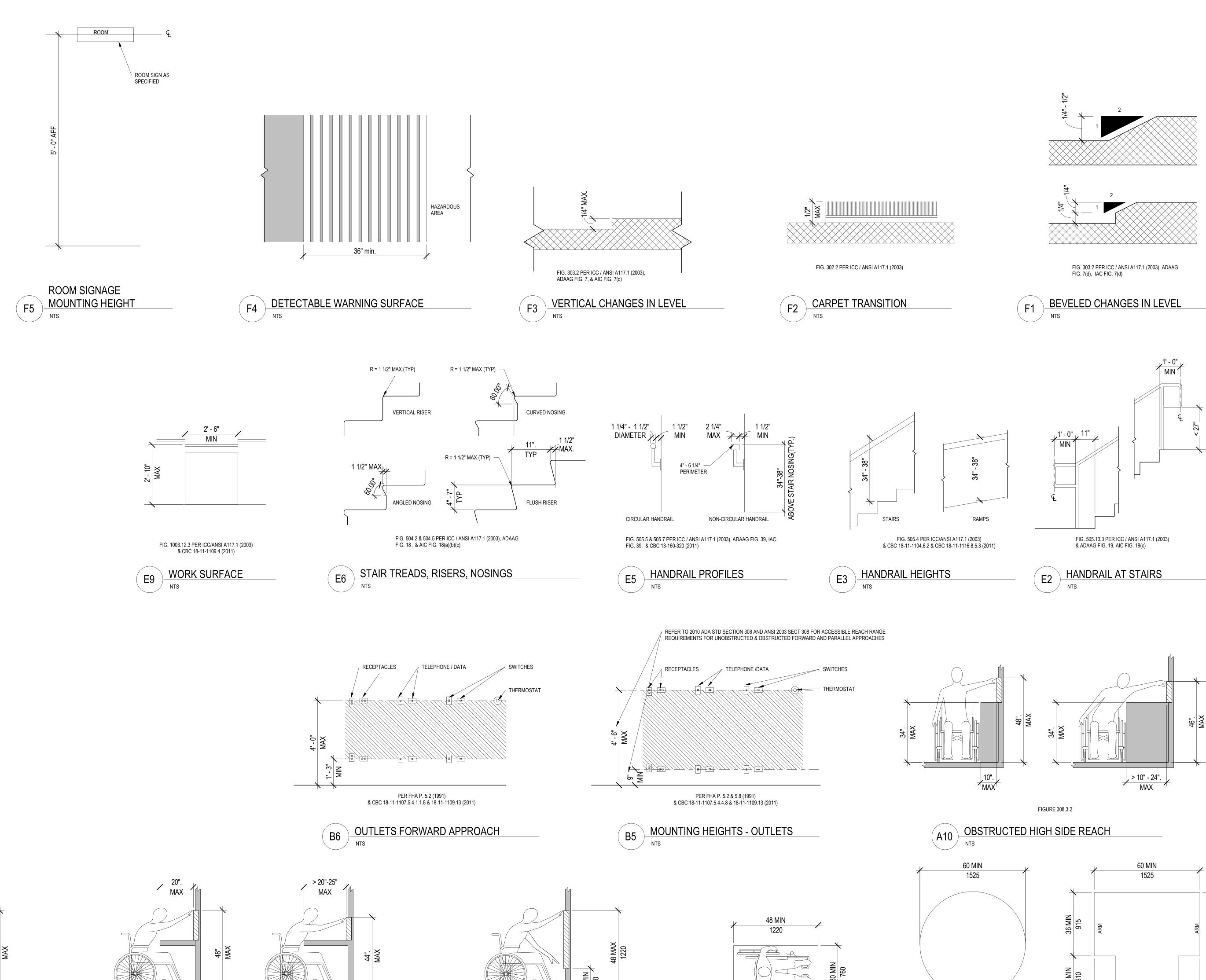


FIGURE 308.2.1

A5 UNOBSTRUCTED FORWARD REACH

FIGURE 305.3

A3 CLEAR FLOOR SPACE

(a) CIRCULAR

FIGURE 308.3.1

A8 UNOBSTRUCTED SIDE REACH

FIGURE 308.2.2

OBSTRUCTED HIGH FORWARD REACH
NTS

13065

History Date

△ ISSUE FOR CONSTRUCTION 11.03.2023

ACCESSIBILITY

DATE:

PROJECT #:

DRAWN BY: DESIGNED BY:

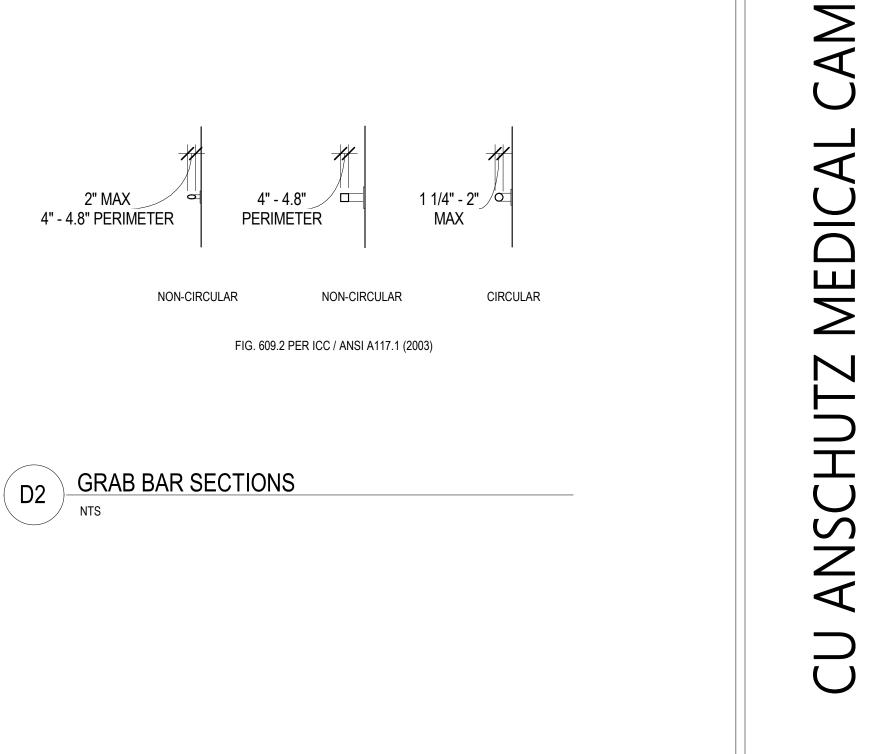
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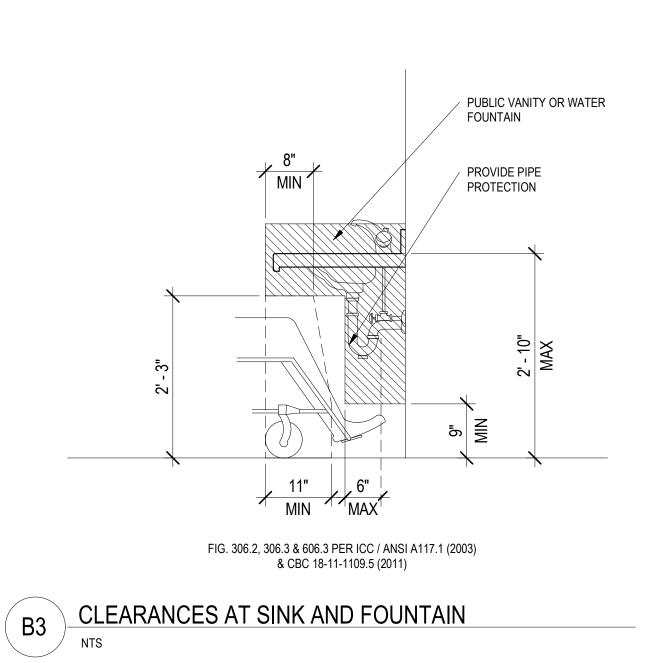
11.03.2023

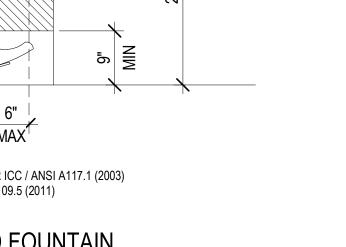
2022.101

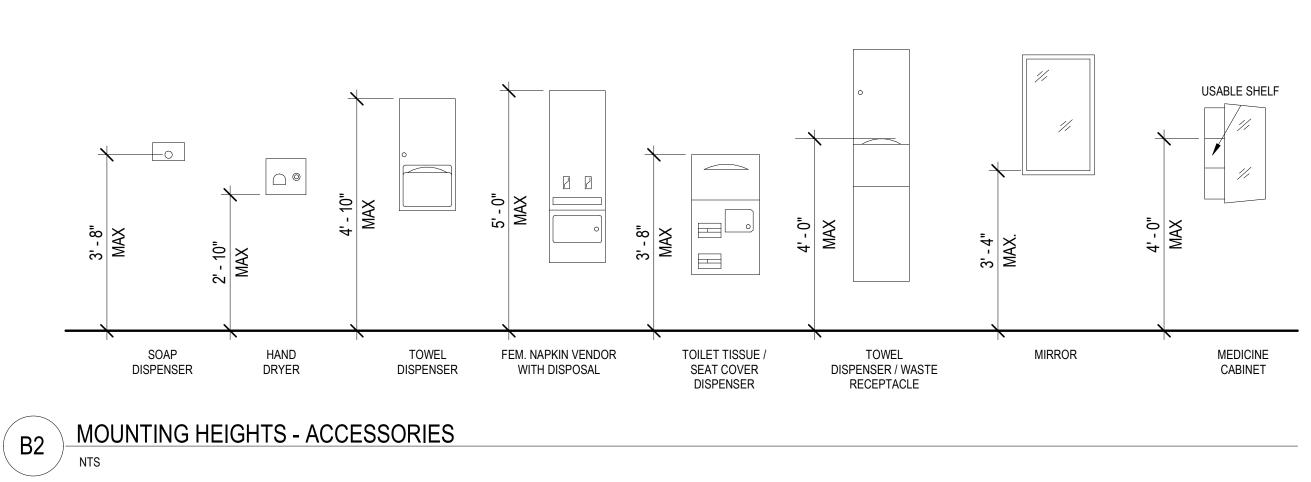
AG, JG

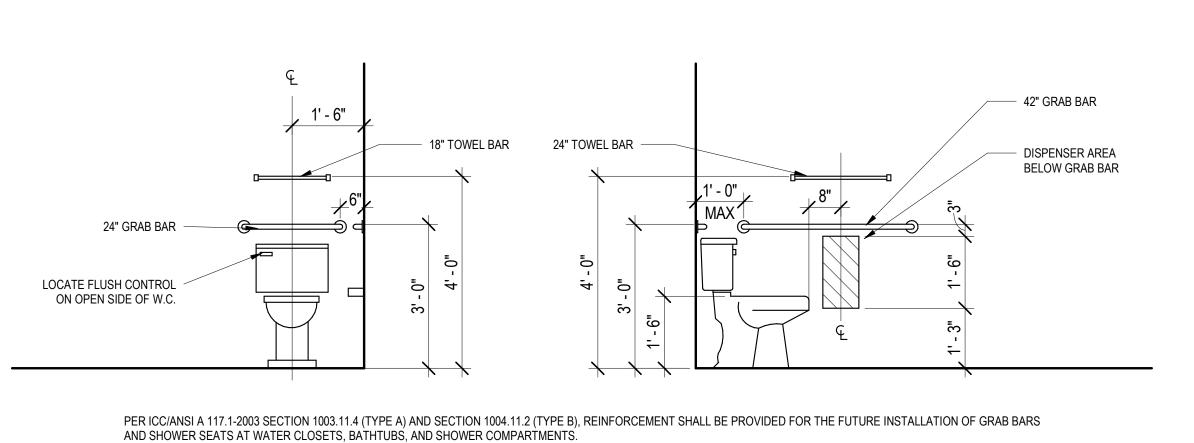






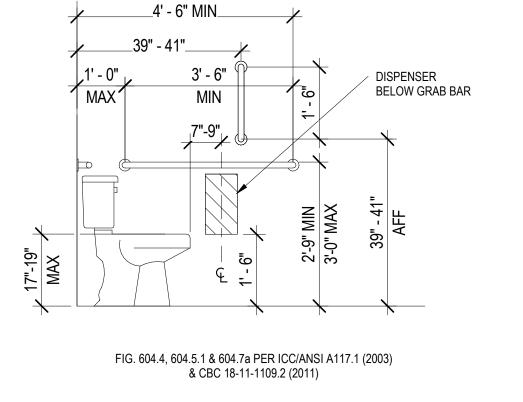


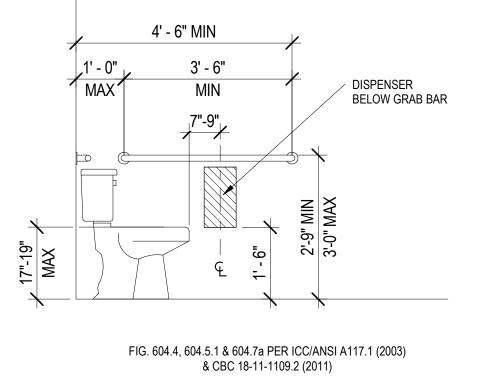




B4 KITCHEN SINK

FIG. 1003.12.4 PER ICC/ANSI A117.1 (2003) & CBC 18-11-1109.3 (2011)





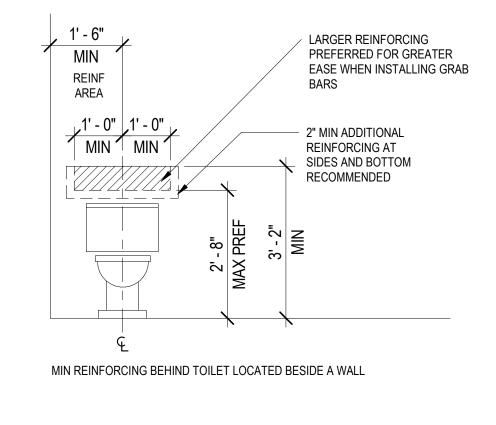
MAX

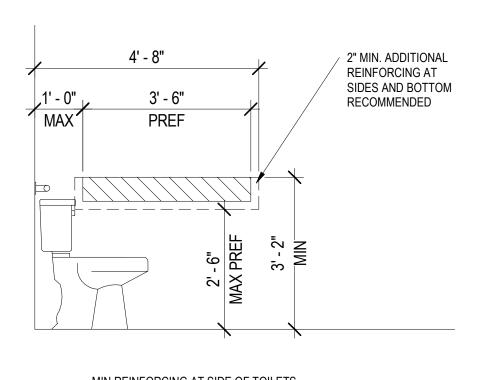
FORWARD APPROACH

FIG. 602.5A PER ICC / ANSI A117.1 (2003) & CBC 18-11-1109.5 (2011)

SIDE APPROACH

FIG. 602.5B PER ICC / ANSI A117.1 (2003) & CBC 18-11-1109.5 (2011)





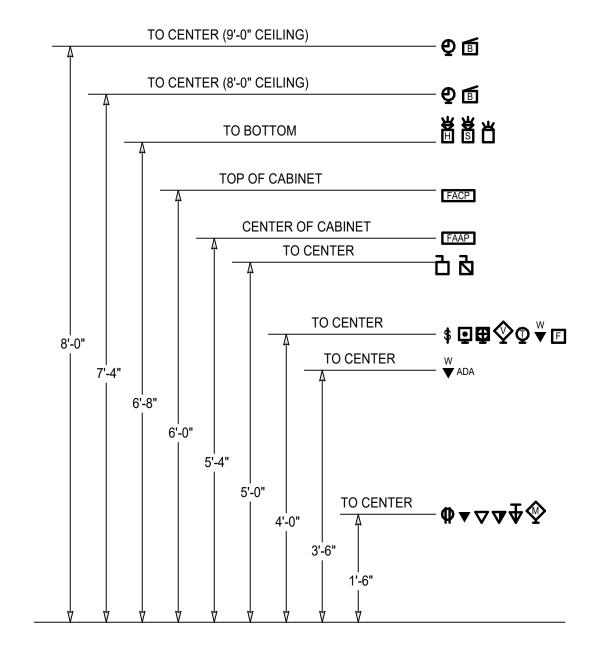
A2 BLOCKING - SIDEWALL GRAB BAR

DETAILS & MIN REINFORCING AT SIDE OF TOILETS STANDARDS

A6 TOILET - ELEVATIONS - TYPE A

NTS

- A3 BLOCKING - BACKWALL GRAB BAR





TYPICAL MOUNTING HEIGHTS SCALE: NONE

- 1. MOUNT ELECTRICAL DEVICES AT HEIGHTS SHOWN UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 2. VERIFY DEVICE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

GENERAL NOTES FOR ALL DRAWINGS 1. UNLESS OTHERWISE NOTED, ITEMS SHOWN ON THE DRAWINGS SHALL BE AS FOLLOWS: DEMO PLANS:

LIGHT LINE WEIGHT = EXISTING TO REMAIN DARK LINE WEIGHT = REMOVE OR RELOCATED

NEW PLANS: LIGHT LINE WEIGHT = EXISTING TO REMAIN DARK LINE WEIGHT = RELOCATED LOCATION OR NEW

2. FOR 120V, 20-AMPERE BRANCH CIRCUITS, PROVIDE THE FOLLOWING SIZE CONDUCTORS:

0-100 FEET: 12 AWG 101-175 FEET: 10 AWG

176-265 FEET: 8 AWG THE DISTANCES INDICATED REPRESENT THE CONDUCTOR LENGTH FROM THE PANELBOARD TO THE FARTHEST OUTLET ON THE CIRCUIT.

3. TWO-CIRCUIT MULTIWIRE BRANCH CIRCUITS ARE PROHIBITED.

4. UNDERGROUND RACEWAYS AND RACEWAYS EMBEDDED IN SLABS: ALL ELBOWS AND VERTICAL RISERS (STUB-UPS) SHALL BE PVC-COATED RIGID METAL CONDUIT (RMC). THIS INCLUDES ALL SERVICE, FEEDER, BRANCH CIRCUIT, AND SYSTEMS RACEWAYS.

SUBMITTAL COORDINATION: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF THE MECHANICAL, POOL, ELEVATOR, AND OTHER EQUIPMENT SUBMITTALS REQUIRING ELECTRICAL CONNECTION(S). THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO ROUGH-IN OF ANY DISCREPANCIES BETWEEN THE ELECTRICAL CHARACTERISTICS INDICATED ON THE CONSTRUCTION DOCUMENTS AND THOSE LISTED ON THE SUBMITTAL DOCUMENTS.

THE ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF: A. UNIVERSITY OF COLORADO DENVER ANSCHUTZ MEDICAL CAMPUS GUIDELINES AND DESIGN STANDARDS

B. LOCAL BUILDING DEPARTMENT C. CITY, COUNTY, AND STATE LAWS, ORDINANCES, AND AMENDMENTS.

D. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), 2023.

F. THE RULES, REGULATIONS, AND STANDARDS OF THE UTILITY COMPANY SUPPLYING ELECTRIC SERVICE TO THE BUILDING.

12. SHOULD ANY CHANGE TO THE CONSTRUCTION DOCUMENTS BE REQUIRED TO COMPLY WITH GOVERNMENTAL OR UTILITY REGULATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO EXECUTION OF THE WORK. THIS WORK SHALL BE CARRIED OUT ACCORDING TO THE APPLICABLE REQUIREMENT(S) WITH THE INSTRUCTION OF THE ARCHITECT/ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

13. ELECTRICAL CONTRACTOR SHALL HAVE THE MANUFACTURER OF ELECTRICAL EQUIPMENT SUCH AS SWITCHBOARDS, PANELBOARDS AND METER ENCLOSURES PROVIDE ARC-FLASH HAZARD WARNING SIGNS PER NEC 110.16. ARC FLASH CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER IN THE SHOP DRAWINGS FOR

14. FIELD VERIFY MOUNTING HEIGHTS FOR POWER AND DATA LOCATED ABOVE COUNTERS, FOR TVS.

15. ALL UNUSED HANGERS/WIRES TO BE REMOVED FROM ABOVE CEILING SPACE.

16. REMOVAL OF ALL UNUSED CABLES/COMPONENTS WILL BE REQUIRED IN THE PROJECT AREA.

17. ALL REMOVED ELECTRICAL DEVICES SUCH AS RECEPTACLES SHOULD BE GIVEN TO THE OWNER AND FACILITIES NOT THROWN AWAY. COORDINATE WITH OWNER PRIOR TO DISPOSING OF ANY REMOVED MATERIAL.

ABBREVIATIONS AND NOTATIONS

AC ABOVE COUNTER - VERIFY HEIGHT AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AIC AMPS INTERRUPTING CAPACITY ALUMINUM

AMERICAN WIRE GAGE AWG BFG BELOW FINISHED GRADE CB CIRCUIT BREAKER

CCT CIRCUIT CONTROL POWER TRANSFORMER CPT CT CURRENT TRANSFORMER

CU COPPER ELECTRICAL CONTRACTOR EXHAUST FAN

EM **EMERGENCY EWC** ELECTRIC WATER COOLER EPC EMERGENCY POWER CONTROL UNIT

FURNITURE CONNECTION FLA FULL LOAD AMPS

GEC GROUNDING ELECTRODE CONDUCTOR GFI GROUND FAULT INTERRUPTER HP HORSEPOWER

INTERMEDIATE DISTRIBUTION FACILITY ISOLATED GROUND IG MINIMUM CIRCUIT AMPACITY

MCB MAIN CIRCUIT BREAKER MDF MAIN DISTRIBUTION FACILITY MLO MAIN LUGS ONLY

MAIN TELECOM. TERMINAL BACKBOARD MTTB NEUTRAL

NORMALLY CLOSED NIGHT LIGHT (UNSWITCHED) NORMALLY OPEN NTS NOT TO SCALE

OCP OVERCURRENT PROTECTION OVERLOAD SHORT CIRCUIT

SDP SURGE PROTECTIVE DEVICE TAMPER RESISTANT TGB TELECOMMUNICATIONS GROUNDING BUSBAR TMGB TELECOM. MAIN GROUNDING BUSBAR

TTB TELECOMMUNICATIONS TERMINAL BACKBOARD UNDER COUNTER UG UNDERGROUND UON UNLESS OTHERWISE NOTED VFD VARIABLE FREQUENCY DRIVE WEATHERPROOF

WEATHERPROOF IN-USE EXISTING TO REMAIN

(ER) EXISTING TO BE REMOVED EXISTING TO BE RELOCATED

RELOCATED LOCATION

KITCHEN EQUIPMENT SCHEDULE NOTATION

ELECTRICAL EQUIPMENT SCHEDULE NOTATION MECHANICAL EQUIPMENT SCHEDULE NOTATION

POOL EQUIPMENT SCHEDULE NOTATION

DETAIL NOTE

DELTA REVISION NOTE

SCHEMATIC WIRING SYMBOLS

(RL)

CURRENT TRANSFORMER CIRCUIT BREAKER, MOLDED-CASE, THERMAL-MAGNETIC

- FUSED DISCONNECT SWITCH

ENCLOSED CIRCUIT BREAKER, MOLDED-CASE, THERMAL-MAGNETIC

ENCLOSED NON-FUSED DISCONNECT SWITCH ENCLOSED FUSED DISCONNECT SWITCH AUTOMATIC TRANSFER SWITCH

TRANSFORMER \sim

GENERATOR

METER NORMALLY CLOSED CONTACT NORMALLY OPEN CONTACT ELECTRICAL FEEDER SIZE

POWER

LUMINAIRES

SHOWN, REFERENCES WALL SWITCH.

A = ALL TYPE "A" LUMINAIRES

WALL-MOUNTED LUMINAIRE

RECESSED LUMINAIRE

WALLWASH LUMINAIRE

SURFACE CEILING LUMINAIRE

SMALL PENDANT LUMINAIRE

LARGE PENDANT LUMINAIRE

SURFACE OR PENDANT LIGHTING TRACK

EXIT LIGHT - SHADED INDICATES FACE/

EMERGENCY LIGHTING UNIT W/ BATTERY

FLUORESCENT PORCELAIN LAMP HOLDER

DIRECTIONAL ARROWS AS SHOWN

EMERGENCY LUMINAIRE - SHADED

ACCENT LUMINAIRE

STEP LUMINAIRE

POOL LUMINAIRE

EXTERIOR AREA LIGHT

EXTERIOR WALL PACK

DISTRIBUTION AND RACEWAY

SURFACE-MOUNTED PANELBOARD

———— RACEWAY (CONDUIT) CONCEALED IN FLOOR OR

RACEWAY (CONDUIT) EXPOSED OR CONCEALED IN

RECESSED PANELBOARD

TRANSFORMER

BRANCH CIRCUIT HOMERUN

UNDERGROUND

WALL OR CEILING

CAPPED RACEWAY (CONDUIT)

RACEWAY UP

RACEWAY DOWN

CEILING FAN

STRIP LIGHT

DOWNLIGHT

SURFACE-MOUNTED LUMINAIRE

IN ROOM OR AREA UON.

LUMINAIRE TYPE, REFERENCING LUMINAIRE SCHEDULE,

TYPICAL ALL FIXTURES. LOWER CASE SUBSCRIPT, IF

- DUPLEX RECEPTACLE
- DUPLEX AND TWO PORT USB CHARGING OUTLET GFCI DUPLEX MOUNTED UNDER SINK FOR FAUCET POWER
- FOURPLEX (DOUBLE DUPLEX) RECEPTACLE (2) DUPLEX RECEPTACLES AND (2) TWO PORT USB
- SINGLE RECEPTACLE
- COMBO RECEPTACLE/SWITCH SWITCHED DUPLEX RECEPTACLE
- SPLIT-WIRED RECEPTACLE CEILING RECEPTACLE (DUPLEX, FOURPLEX)
- SPECIAL PURPOSE RECEPTACLE FLOOR-MOUNTED SPECIAL PURPOSE RECEPTACLE

FLOOR RECEPTACLE (DUPLEX, FOURPLEX) FLOOR-MOUNTED COMBINATION OUTLET BOX

WIREMOLD SURFACE RACEWAY PLUGMOLD SURFACE RACEWAY

▶ PM **→** CLOCK RECEPTACLE JUNCTION BOX

WALL-MOUNTED J-BOX FLOOR-MOUNTED JUNCTION BOX

ENCLOSED CIRCUIT BREAKER NON-FUSED DISCONNECT SWITCH

FUSED DISCONNECT SWITCH MAGNETIC CONTROLLER (STARTER) COMBINATION STARTER/DISCONNECT SWITCH

SYSTEMS

MOTOR CONNECTION POWER POLE

☑ ↓ TELEVISION OUTLET

SWITCHING AND CONTROLS

NEW: nLIGHT#nPODM-WH; EXISTING:TOGGLE SWITCH

NEW: nLIGHT#nPODM-WH; EXISTING:3-WAY SWITCH 4-WAY SWITCH

DIMMER SWITCH KEY OPERATED SWITCH

SWITCH WITH PILOT LIGHT THERMAL OVERLOAD SWITCH DIGITAL LIGHTING CONTROL SWITCH

WALL OCCUPANCY SENSOR SWITCH nLIGHT #nCM PDT-9-RJB

PHOTOCELL/ PHOTOSENSOR PUSH BUTTON SWITCH

EMERGENCY POWER CONTROL UNIT, UL 924 TIME CLOCK

"RX" REFERS TO THE RELAY CONTROLLED.

RELAY/POWER PACK nLIGHT #nPP16-EFP

LOW VOLTAGE SWITCH. "x" IS THE ZONE CONTROLLED.

ARCHITECTURAL + DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

G SQUARED DESIGN

D

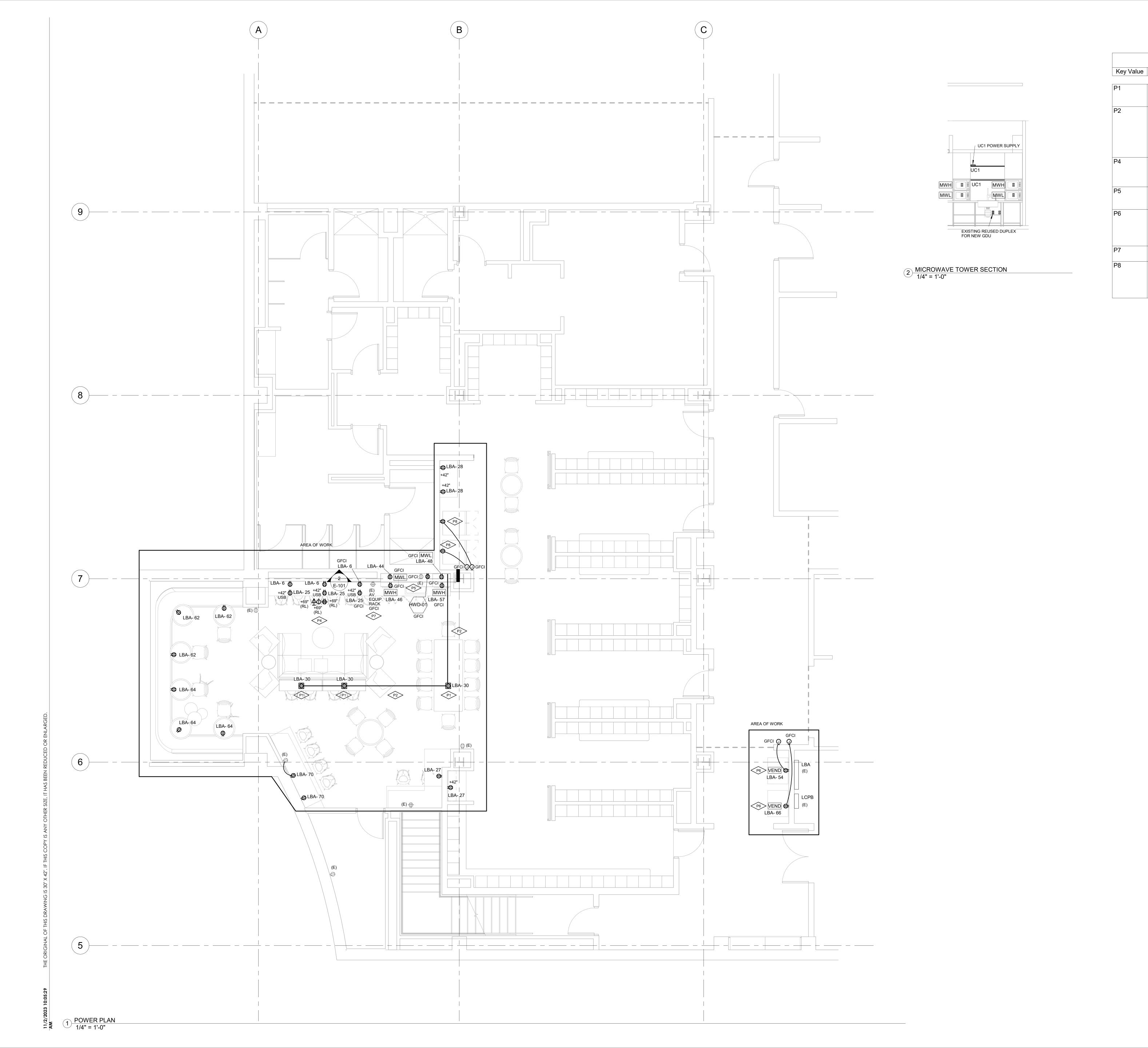
ISSUE FOR CONSTRUCTION 11.03.2023

11.03.2023 2022.101

DRAWN BY: DESIGNED BY: CHECKED BY:

PROJECT #:

ELECTRICAL COVER SHEET



G SQUARED DESIGN

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

KEYNOTE LEGEND

COVER AND NEMA 5-20R DUPLEX.

TO FLOOR.

SHALL REMAIN.

LOCATION.

FIRE RATING OF WALL.

Keynote Text

PROVIDE FLOOR BOX HUBBELL #PFBRG1 WITH PFBRFBL1 FLANGE AND #PFBR826BLA DUPLEX

FLOOR WILL NEED TO BE TRENCHED FROM WALL ALONG FLOOR AS INDICATED FOR CONDUITS TO CIRCUITS FOR FURNITURE POWER. ALSO FLOOR WILL NEED TO BE

TRENCHED FOR THE INSTALLATION OF THE NEW FLOOR BOX. FLOOR BOX SHALL BE FLUSH

RECONNECT QUAD AND SIMPLEX TO EXISTING

SWITCHED GFCI OUTLET. OUTLET AND SWITCH

NEW LOCATION OF EXISTING TV LOW VOLTAGE, TV SIMPLEX AND TV QUAD.

CONNECT NEW DISPOSAL TO EXISTING

VENDING MACHINE OUTLETS WILL BE

EXITING QUAD WITH NEW GFCI QUAD.

SURFACE MOUNTED TO THE EXISTIG CMU WALL. CONDUIT PENETRATION WILL NEED TO

BE FILLED WITH FIREPROOFING TO MAINTAIN

IF EXISTING AV QUAD IS NOT GFCI REPLACE

THIS LOCATION WITH GCI OUTLETS WITH A REMOTE RESET/TEST SWITCH. CONNECT NEW OUTLETS WITH EXISTING CIRCUIT AT THIS

OUTLETS WILL REPLACE EXISTING OUTLETS IN

CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION

History Date

SSUE FOR CONSTRUCTION 11.03.2023

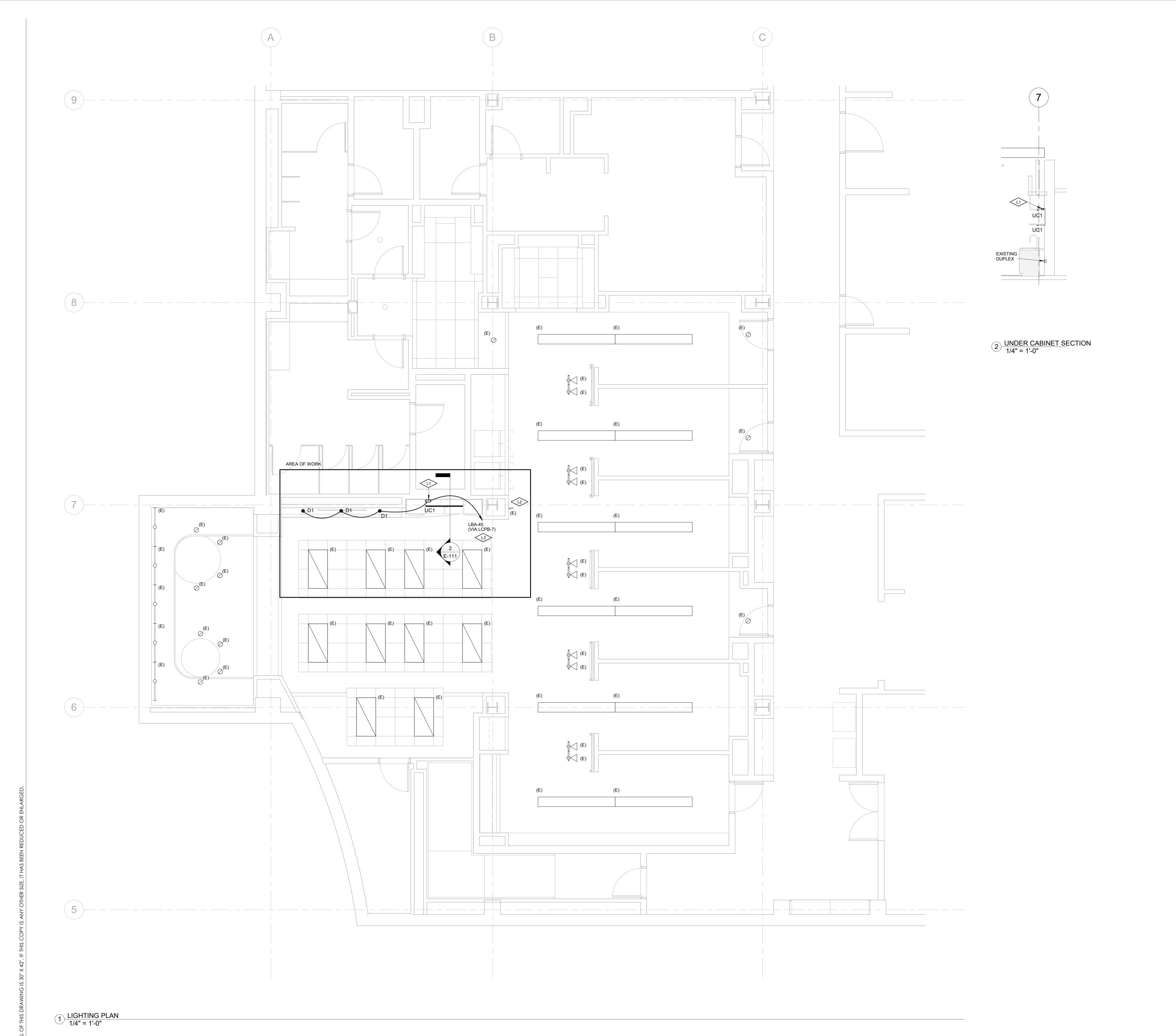
DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

POWER PLAN

11.03.2023

2022.101



KEYNOTE LEGEND Key Value Keynote Text PROVIDE POWER SUPPLY FOR UNDER COUNTER LIGHTS IN CABINET. CABINET SHALL BE VENTILATED. POWER SUPPLY KELVIX #ULV36. FIELD VERIFY CIRCUIT VOLTAGE PRIOR TO ORDERING FIXTURES. EXISTING SWITCH BANK TO REMAIN. EXISTING CIRCUIT AND RELAY CIRCUIT SHOWN WERE CONNECTED TO THE EXISTING SOFFIT LIGHTS REMOVED. REUSE

THIS CIRCUIT, RELAY AND DIMMING SWITCH ON THE WALL TO CONTROL THE NEW

LIGHTS. FIELD VERIFY CIRCUIT VOLTAGE

PRIOR TO ORDERING FIXTURES.

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

LIGHTING PLAN

11.03.2023 2022.101

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			LUMINAIF	RE SCH	EDULE				
				L	_AMP				
KEY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	QTY	TYPE	VOLTS	MOUNTING	NOTES	MAX VA
							T		
D1	LED, 2" RECESSED DOWNLIGHT	GOTHAM	ICO2-40/05-AR-LSS-30D-UGZ	1	LED	120	RECESSED	FIELD VERIFY EXISTING FIXTURES AND CAMPUS STANDARD CCT AND MATCH PRIOR TO ORDERING. FIELD VERIFY VOLTAGE OF THE EXISTING REUSED CIRCUIT PRIOR TO ORDERING LIGHTS.	6
UC1	LED, 3'10" UNDER CABINET LIGHT	KELVIX	502-I-3'10"-DK-40K-WH-CP-SV-ULV	1	LED	120	UNDERCABINET	FIELD VERIFY EXISTING FIXTURES AND CAMPUS STANDARD CCT AND MATCH PRIOR TO ORDERING. FIELD VERIFY VOLTAGE OF THE EXISTING REUSED CIRCUIT PRIOR TO ORDERING LIGHTS.	10

								E	QUIPMEN	NT SCHE	DULE			
KEY	EQUIPMI	ENT	LOAD	VC	DLTS	PH		ANCH CI		COND	DISCONN	IECT	CIRCUIT BREAKER	SCHD- NOTES
MWH	MICROWAV MOUNT		1000	1	120	1		2#12,1#1	12G	1/2"	NEMA 5-20F	R, GFCI	20A/1P	MOUNT GFCI OUTLET AT +56" AFF
MWL	MICROWAV MOUNT		1000	1	120	1		2#12,1#1	12G	1/2"	NEMA 5-20F	R, GFCI	20A/1P	MOUNT GFCI OUTLET AT +42" AFF
VEND	VENDING MA	ACHINE	1000	1	120	1		2#12,1#1	12G	1/2"	NEMA 5-20F REMOTE		20A/1P	REFER TO PLANS FOR LOCATION OF REMOTE GFCI RESET BUTTON
				<u> </u>				MI	ECHANIC	AL SCHE	DULE			
						3RAI	_					CIF	RCUIT	
KEY	EQUIPMENT	LOAD	VOLTS	PH		CIRC	CTORS	COND	DISCON	INECT	CIRCUIT BREAKER	PANEL	NUMBER	NOTES
HWD-01	HOT WATER HEATER	750	120	1	2#	‡12,1	#12G	1/2"	NEMA 5		20A/1P	LBA	19	RELOCATED INSTA HOT CIRCUIT

	Location: Supply From: Mounting: Surface Enclosure: Type 1					Volts: Phases: Wires:	-	Wye				A.I.C. Rating: Mains Type: Mains Rating: MCB Rating:	
	NG PANEL. ONLY NEW LOADS ARE SHOWN. F BE LABELED AS THEY ARE IN THE CURRENT											THIS SCEHDULE. CIRCUITS SHOWN AS "EXISTIN LATION FOR LOAD ANALYSIS.	NG"
СКТ	Circuit Description	Trip	Poles		A	ı	В		C	Poles	Trip	Circuit Description	СК
1	EXISTING	20 A	1	0 VA	0 VA	0.1/4	0.1/4			1	20 A	EXISTING	2
3 5	EXISTING EXISTING	20 A 20 A	1			0 VA	0 VA	0 VA	540 VA	1	20 A 20 A	EXISTING R-LOUNGE UNDER COUNTER	6
7	EXISTING	20 A	1	0 VA	0 VA			0 171	0.000	1	20 A	EXISTING	8
9	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	1
11	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	1
13	EXISTING	20 A	1	0 VA	0 VA	0.1/4	0.1/4			1	20 A	EXISTING	1
15 17	EXISTING EXISTING	20 A 20 A	1			0 VA	0 VA	0 VA	0 VA	1	20 A 20 A	EXISTING EXISTING	1
19	HOT WATER	20 A	1	180 VA	0 VA			UVA	OVA	1	20 A	EXISTING	2
21	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	2
23	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	2
25	R-LOUNGE COUNTER	20 A	1	540 VA	0 VA	000 1/4	000 \ / 4			1	20 A	EXISTING	2
27 29	R-LOUNGE COUNTER EXISTING	20 A 20 A	1			360 VA	360 VA	0 \/A	540 VA	1	20 A 20 A	R-LOUNGE COUNTER R-LOUNGE FLOOR	3
31	EXISTING	20 A	1	0 VA	0 VA			UVA	340 VA	1	20 A	EXISTING	3
33	EXISTING	20 A	1	0 171	3 171	0 VA	0 VA			1	20 A	EXISTING	3
35	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	3
37	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	3
39	EXISTING	20 A	1			0 VA	0 VA			1	20 A	EXISTING	4
41	EXISTING	20 A	1	0.1/4	4000			0 VA	0 VA	1	20 A	EXISTING	4
43 45	EXISTING EXISTING	20 A 20 A	1	0 VA	1000	0 VA	1000			1	20 A 20 A	R-LOUNGE MICROWAVE	4
45	EXISTING	20 A	1			UVA	1000	0 VA	1000	1	20 A	R-LOUNGE MICROWAVE	4
49	EXISTING	20 A	1	0 VA	0 VA			0 171	1000	1	20 A	SPARE [1]	5
51	EXISTING	20 A	1			0 VA	0 VA			1	20 A	SPARE [1]	5
53	EXISTING	20 A	1					0 VA	1000	1	20 A	R-LOUNGE VENDING	5
55	EXISTING	20 A	1	0 VA	0 VA	1000	0.1/4			1	20 A	EXISTING	5
57 59	R-LOUNGE MICROWAVE EXISTING	20 A 20 A	1			1000	0 VA	0 VA	0 VA	1	20 A 20 A	EXISTING EXISTING	5 6
61	SPARE [1]	20 A	1	0 VA	540 VA			UVA	OVA	1	20 A	R-LOUNGE BOOTH	6
63	SPARE [1]	20 A	1				540 VA			1	20 A	R-LOUNGE BOOTH, COUNTER	6
65	SPARE [1]	20 A	1					0 VA	1000	1	20 A	R-LOUNGE VENDING	6
67	EXISTING	20 A	1	0 VA	0 VA					1	20 A	EXISTING	6
69	EXISTING	20 A	1			0 VA	360 VA		0.1/4	1	20 A	R-COUNTER [2]	7
71 73	EXISTING EXISTING	20 A 20 A	1	0 VA	0 VA			0 VA	0 VA	1	20 A 20 A	EXISTING EXISTING	7
75	EXISTING	20 A	1	OVA	UVA	0 VA	0 VA			1	20 A	EXISTING	7
77	EXISTING	20 A	1					0 VA	0 VA	1	20 A	EXISTING	7
79				0 VA	0 VA					1	20 A	EXISTING	8
81	EXISTING	30 A	3			0 VA	0 VA			1	20 A	EXISTING	8
83		Total	al Load:	226	0 VA	262	 0 VA	0 VA	0 VA 0 VA	1	20 A	EXISTING	8
_egend	d:	Tota	I Amps:	19	9 A	32	2 A	36	6 A				
	lassification	Con	nected		Dei	mand Fa		Estin	nated De	mand		Panel Totals	
Heating			180 VA			125.00%			225 VA			Tatal Canada and Coccovid	
Recepta	acle Equipment		3780 VA			100.00%			3780 VA 6000 VA			Total Conn. Load: 9960 VA Total Est. Demand: 10005 VA	
wner Iر	⊏чиртеп		6000 VA	١		100.00%)		ουυυ νΑ			Total Conn.: 28 A	
												Total Est. Demand: 28 A	

LOAD JUSTIFICATION FOR "LBA"								
250A, 208/120V, 3-PH, 4W								
					NEC			
				_	D.F.	_		
EXISTING PEAK PER ECORD DRAWINGS								
	=	35.7	KVA	х	100%	=	35.7	KVA
LOAD CHANGE								
REMOVED LOAD	=	15.0	KVA	Х	100%	=	15.0	KVA
NEW LOAD	=	10.0	KVA	х	100%	=	10.0	KVA
TOTAL ADDED LOAD:						=	-5.0	KVA
TOTAL DEMAND LOAD						=	30.7	KVA
TOTAL CAPACITY (250A)						=	90.1	KVA

G SQUARED DESIGN ARCHITECTURAL + DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

History Date
Substitution In 1.03.2023

11.03.2023 2022.101 DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

ELECTRICAL SCHEDULES

E-501

1.01 CODES AND REQUIREMENTS

- A. ALL ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS APPLICABLE NATIONAL. STATE. AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
- B. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND ANY BASE BUILDING STANDARDS, SPECIFICATIONS OR CRITERIA INCLUDED IN THIS PROJECT.
- C. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY, WHETHER SPECIFICALLY STATED OR NOT, FOR COMPLETE AND OPERATIONAL ELECTRICAL SYSTEMS. GOOD WORKMANSHIP AND APPEARANCE ARE CONSIDERED EQUAL TO PROPER OPERATION.
- D. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURERS' DIRECTIONS AND RECOMMENDATIONS.
- E. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE PREMISES, AND BECOME THROUGHLY FAMILIAR WITH ANY EXISTING BUILDING STANDARDS AND LOCAL CONDITIONS PRIOR TO SUBMITTING BID. FAILURE TO PERFORM THIS EXAMINATION AND COORDINATION SHALL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT OR CONSTITUTE CAUSE FOR PAYMENTS IN EXCESS OF THE CONTRACTUAL FEE. THE CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR FIXING EXISTING CODE VIOLATIONS OR ELECTRICAL PROBLEMS THAN CAN NOT BE SEEN WITHOUT TAKING APART THE BUILDING OR ELECTRICAL SYSTEMS.
- F. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES, AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK.
- G. ALL MATERIAL AND EQUIPMENT SHALL BE NEW UNLESS SPECIFICALLY IDENTIFIED ON THE DRAWINGS AS EXISTING, TO BE REUSED. MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., E.T.L., C.S.A. OR ANOTHER RECOGNIZED TESTING LABORATORY. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER OF ANY MATERIALS OR EQUIPMENT BELIEVED TO BE INADEQUATE, UNSUITABLE, OR IN VIOLATION OF LAWS, CODES, ORDINANCES, OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- H. INFORMATION ON THESE DRAWINGS HAS BEEN ASCERTAINED FROM EXISTING RECORD DRAWINGS. THIS INFORMATION IS AS ACCURATE AS CONDITIONS WOULD ALLOW. REPORT ANY DISCREPANCIES TO ARCHITECT/ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- I. THE ELECTRICAL WORK IS SHOWN DIAGRAMMATICALLY ON THE DRAWINGS TO INDICATE THE GENERAL SYSTEM ARRANGEMENT. FOR EXACT DIMENSIONS, REFER TO ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS, AND THE STRUCTURE ITSELF. COORDINATE WORK WITH THE OTHER TRADES TO PROVIDE COMPLETE SYSTEMS WHICH CAN BE EASILY OPERATED AND MAINTAINED. AND WHICH WILL FIT WITHIN THE AVAILABLE PHYSICAL SPACE.
- J. THIS WORK SHALL BE PEFORMED WITHOUT INTERRUPTION OF ANY ELECTRICAL SERVICES TO OTHER TENANTS IN THE BUILDING. SCHEDULE ANY REQUIRED INTERRUPTIONS WITH OWNER PRIOR TO WORK. BIDS SHALL INCLUDE THE COST OF PERFORMING SUCH WORK OUTSIDE OF NORMAL BUSINESS HOURS. PROVIDE TEMPORARY FEEDERS, BRANCH CIRCUITS, AND CONNECTIONS AS NECESSARY TO MAINTAIN EXISTING SYSTEMS DURING CONSTRUCTION.
- K. PROVIDE ALL CORE DRILLING, CHANNELING, CUTTING, AND PATCHING AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. SEAL HOLES, USING FIREPROOFING WHERE NECESSARY, AND REFINISH ALL REPAIR WORK TO THE ORIGINAL CONDITION WHERE DAMAGED BY ELECTRICAL WORK. UNDER NO CIRCUMSTANCES MAY STRUCTURAL MEMBERS BE CUT WITHOUT APPROVAL FROM THE ARCHITECT/STRUCTURAL ENGINEER.
- L. THE CONTRACTOR SHALL AVOID THE ACCUMULATION OF DEBRIS RESULTING FROM HIS/HER WORK. ALL LUMINAIRES AND EQUIPMENT SHALL BE CLEANED AT THE COMPLETION OF THE PROJECT. SPECIFIED LUMINAIRES, NEW OR EXISTING, THAT ARE USED BY ANY TRADE FOR TEMPORARY LIGHTING SHALL BE RELAMPED AT THE COMPLETION OF THE PROJECT.
- M. MAKE PROVISIONS FOR SAFE DELIVERY AND SECURE AND DRY STORAGE FOR ALL MATERIALS AND EQUIPMENT.
- N. PROVIDE THE ARCHITECT WITH A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS CORRECTED TO AS-BUILT CONDITIONS AT THE COMPLETION OF THE PROJECT. PROVIDE (3) COPIES OF OPERATION AND MAINTENANCE MANUALS TO OWNER.

1.02 ELECTRICAL DEMOLITION

- A. ALL ITEMS SHOWN ON THE DRAWINGS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE POINT OF ORIGIN OR NEAREST ITEM THAT IS REMAINING, UNLESS OTHERWISE NOTED. WHERE EXISTING DEVICES, SWITCHES, POWER CONNECTIONS, ETC. ARE TO BE REMOVED FROM WALLS WHICH ARE REMAINING, WALLS SHALL BE REPAIRED TO MATCH ORIGINAL FINISH AFTER CONDUCTORS HAVE BEEN REMOVED. BLANK COVERPLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE.
- B. EXISTING CONDUITS ROUTED IN CONCRETE FLOOR SLABS, WALLS, OR CEILINGS SHALL BE CUT BACK TO WITHIN CONCRETE AND FILLED WITH GROUT TO ACHIEVE A SMOOTH AND EVEN FINISH FLUSH WITH CONCRETE SURFACE.
- C. THE CONTRACTOR SHALL DISCONNECT POWER AS REQUIRED AND PROVIDE TEMPORARY LIGHTING AND POWER FOR ALL TRADES.

- D. THE GENERAL CONTRACTOR SHALL INCLUDE IN THEIR COST THE REMOVAL OF ALL DEVICES, CONDUCTORS, RACEWAY, LUMINAIRES, AND EQUIPMENT WHICH ARE NOT INTENDED TO BE REUSED. THE CONTRACTOR SHALL PRESENT ALL REMOVED ITEMS TO THE OWNER FOR DISPOSITION. ALL ITEMS NOT WANTED BY THE OWNER BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- E. THE CONTRACTOR SHALL FIELD-VERIFY MEASUREMENTS AND CIRCUITING ARRANGEMENTS SHOWN ON THE DRAWINGS.
- F. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL VERIFY THE PROPER OPERATION OF ALL EXISTING DEVICES OR EQUIPMENT TO BE REUSED, RELOCATED, RECONNECTED, OR RECONFIGURED.
- G. ALL RELOCATED LUMINAIRES SHALL BE CLEANED, RELAMPED, AND REPAIRED AS NECESSARY.
- H. EXISTING PANELBOARD AND SWITCHBOARDS: CLEAN EXPOSED SURFACES AND TIGHTEN LUGS AS NECESSARY. REPLACE DAMAGED SWITCHES AND CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS.
- I. WHERE EXISTING BRANCH CIRCUITING IS INTERRUPTED TO REMOVE OR RELOCATE WIRING DEVICES, THE CONTRACTOR SHALL MAINTAIN CIRCUIT CONTINUITY FOR ALL REMAINING DEVICES.
- J. THE CONTRACTOR SHALL REMOVE ALL ABANDONED DEVICES, RACEWAYS AND CONDUCTORS.

1.03 SUBMITTALS

- A. ANY PROPOSED SUBSTITUTIONS FOR SPECIFIED EQUIPMENT SHALL BE IDENTIFIED IN THE BID DOCUMENTS AND SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT, ENGINEER, AND OWNER.
- B. SHOP DRAWINGS SHALL BE SUBMITTED AS A COMPLETE PACKAGE AND SHALL INCLUDE MANUFACTURER'S NAME, CATALOG NUMBERS, CUT SHEETS, DIAGRAMS AND OTHER DESCRIPTIVE DATA AS REQUIRED TO REVIEW THE EQUIPMENT. THE CONTRACTOR SHALL ALLOW A MINIMUM OF (10) WORKING DAYS FOR DISTRIBUTION AND REVIEW OF SHOP DRAWINGS.
- C. SUBMIT SHOP DRAWINGS OF THE FOLLOWING FOR REVIEW BY THE ARCHITECT/ENGINEER:
 -
 - WIRING DEVICES
 ENCLOSED SWITCHES AND CIRCUIT BREAKERS
 - 3. FUSES
- 4. LUMINAIRES
- 5. CONTROL EQUIPMENT (TIME CLOCKS, CONTACTORS, MOTION SENSORS, FTC.)
- 7. OPERATION AND MAINTENANCE MANUAL

1.04 GUARANTEE

- A. PROVIDE A SINGLE GUARANTEE TO THE OWNER STATING THAT ALL OF THE ELECTRICAL WORK IS INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THAT ALL WORK IS GUARANTEED AGAINST FAULTY MATERIALS OR WORKMANSHIP FOR A PERIOD OF (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE. INCANDESCENT AND FLUORESCENT LAMPS SHALL BE EXCEPTED. CORRECT ANY DEFICIENCES THAT OCCUR DURING THE GUARANTEE PERIOD IN A TIMELY FASHION, AT NO ADDITIONAL COST TO THE OWNER, AND TO THE SATISFACTION OF THE OWNER/ARCHITECT/ENGINEER.
- B. PROVIDE OWNER WITH WARRANTIES FOR INSTALLED EQUIPMENT ALONG WITH CONTACT NAMES AND TELEPHONE NUMBERS OF WARRANTY SERVICE REPRESENTATIVES.
- C. SURGE PROTECTIVE DEVICES SHALL POSSESS A MINIMUM 5-YEAR WARRANTY.

PART 2 PRODUCTS

2.01 ELECTRICAL IDENTIFICATION

- A. PROVIDE LABELING FOR RECEPTACLE AND WALL SWITCH COVERPLATES AS SPECIFIED ON THE DRAWINGS.
- B. PROVIDE PERMANENT MARKING ON JUNCTION BOXES AND PULLBOXES INDICATING CIRCUITS CONTAINED WITHIN. JUNCTION BOXES IN THE EMERGENCY POWER DISTRIBUTION SYSTEM SHALL HAVE COVERS PAINTED RED.
- C. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL ELECTRICAL CABINETS, ENCLOSURES, PANELBOARDS, DISTRIBUTION EQUIPMENT, ETC. LETTERING HEIGHTS ARE AS FOLLOWS:
 - 1. WALL COVERPLATES 1/8"

2.02 RACEWAY AND BOXES

- A. OUTLET BOXES SHALL BE 4" SQUARE OR OCTAGONAL.
- B. OUTLET BOXES SHALL BE GALVANIZED OR SHERADIZED STAMPED SHEET STEEL BOXES, KNOCK-OUT TYPE, NOT LESS THAN NO. 14 U.S. GAUGE STEEL.
- C. PROVIDE 3/8" NO-BOLT FIXTURE STUDS.

2.03 WIRE AND CABLE (600 VOLTS AND LESS)

- A. MINIMUM WIRE SIZE SHALL BE NO. 12 AWG. CONTROL OR SIGNAL CIRCUITS MAY BE SMALLER, AS INDICATED ON THE DRAWINGS.
- B. WIRE INSTALLED IN INTERIOR DRY LOCATIONS SHALL BE TYPE THHN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS.

- C. WIRE INSTALLED IN RACEWAYS IN WET LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS.
- D. WIRE NO. 12 AWG AND SMALLER SHALL BE SOLID. WIRE NO. 10 AWG AND LARGER SHALL BE STRANDED.
- E. SPLICES FOR WIRE NO. 6 AWG AND SMALLER SHALL BE MADE WITH TWIST-ON WIRE CONNECTORS.
- F. SPLICES FOR WIRE NO. 4 AWG AND LARGER SHALL BE MADE WITH SOLDERLESS OR COMPRESSION TYPE CU/ALR LUGS.
- G. BRANCH CIRCUIT AND FEEDER WIRING SHALL BE COLOR CODED AS FOLLOWS. WIRE NO. 2 AWG AND SMALLER SHALL BE FACTORY COLOR CODED.

120/208 VOLTS PHASE A - BLACK PHASE A - BROWN PHASE B - RED PHASE B - ORANGE PHASE C - BLUE PHASE C - YELLOW NEUTRAL - WHITE NEUTRAL - GRAY GROUND - GREEN GROUND - GREEN SWITCH SWITCH

TRAVELERS - PURPLE

2.04 WIRING DEVICES

- A. DEVICE CATALOG NUMBERS LISTED BELOW ARE BY HUBBELL UNLESS OTHERWISE NOTED. EQUAL DEVICES BY LEVITON, PASS & SEYMOUR, OR COOPER MAY BE ACCEPTABLE WITH ENGINEER APPROVAL.
- B. RECEPTACLES: CONFIGURATIONS SHALL CONFORM TO NEMA WD 1. DEVICES SHALL BE HEAVY DUTY SPECIFICATION GRADE, IVORY PLASTIC UNLESS OTHERWISE NOTED.
- 1. GENERAL PURPOSE: NEMA 5-20R, HBL5362
- GFCI OUTLET: NEMA 5-20R, GF5362.
 ISOLATED GROUND: NEMA 5-20R, IG5362.
- 4. RANGE OUTLET: NEMA 14-50R, HBL9450A.
- 5. DRYER OUTLET: NEMA 14-30R, HBL9430A.6. SPECIAL OUTLET: AS NOTED ON DRAWINGS.
- C. SWITCHES: CONFIGURATIONS SHALL CONFORM TO NEMA WD 1. DEVICES SHALL
- 1. SINGLE POLE. SINGLE THROW: HBL1221 SERIES.

SIDE WIRED. IVORY PLASTIC UNLESS OTHERWISE NOTED.

- 2. THREE-WAY: HBL1223 SERIES.
- FOUR-WAY: HBL1224 SERIES.
 DIMMER: AS NOTED ON DRAWINGS.
- D. PROVIDE NYLON COVERPLATES TO MATCH DEVICE COLOR UNLESS OTHERWISE

BE SPECIFICATION GRADE, 120/277VAC, 20A, QUIET OPERATING, BACK AND

- NOTED. NEW DEVICE COLOR AND FACEPLATE TO MATCH EXISTING DEVICES.

 E. FLOOR FITTINGS AND TRIM SHALL BE FLUSH AND SUITABLE FOR INSTALLATION

 IN SPECIFIED FLOOR AND FLOOR COVERING. WHERE POKE THROUGH
- . FLOOR FITTINGS AND TRIM SHALL BE FLUSH AND SUITABLE FOR INSTALLATION IN SPECIFIED FLOOR AND FLOOR COVERING. WHERE POKE-THROUGH ASSEMBLIES ARE REQUIRED, PROVIDE UNIT WITH FIRE RATING TO MATCH THAT OF FLOOR.

2.06 ENCLOSED SWITCHES AND CIRCUIT BREAKERS

- A. ENCLOSED FUSIBLE OR NONFUSIBLE SAFETY SWITCHES: NEMA KS 1. SAFETY SWITCHES SHALL BE HEAVY DUTY WITH QUICK-MAKE AND QUICK-BREAK MECHANISMS. SWITCHES USED FOR MOTOR CIRCUITS SHALL HAVE ADEQUATE HORSEPOWER RATING FOR THE MOTOR(S) SERVED.
- B. ENCLOSED MOLDED CASE CIRCUIT BREAKER: NEMA AB 1. CIRCUIT BREAKERS SHALL BE THERMAL-MAGNETIC WITH INVERSE TIME-CURRENT ELEMENT FOR LOW LEVEL OVERLOADS AND INSTANTANEOUS TRIP ELEMENT FOR SHORT CIRCUIT PROTECTION. CIRCUIT BREAKERS SHALL HAVE INTERRUPTING CAPACITIES TO WITHSTAND AVAILABLE FAULT CURRENTS.
- C. ENCLOSURES SHALL BE A NEMA TYPE SUITABLE FOR THE SURROUNDING AREA AND CONDITIONS.
- D. SWITCHES AND CIRCUIT BREAKERS SHALL BE MANUFACTURED BY SQUARE D, SIEMENS, CUTLER-HAMMER, OR GENERAL ELECTRIC. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE BY THE SAME MANUFACTURER.

2.07 FUSES (600 VOLTS AND LESS)

A. FUSES SHALL BE BY BUSSMANN UNLESS OTHERWISE NOTED. EQUALS BY LITTELFUSE OR FERRAZ SHAWMUT MAY BE ACCEPTABLE WITH ENGINEER APPROVAL.

2.10 LUMINAIRES

- A. PROVIDE ALL NEW LUMINAIRES COMPLETE WITH LAMPS, BALLASTS, REFLECTORS, LOUVERS, PLASTER FRAMES, HANGARS, AND ALL OTHER ACCESSORIES REQUIRED AND AS SCHEDULED ON THE DRAWINGS.
- B. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC, HIGH POWER FACTOR UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- C. VERIFY ALL CEILING TYPES PRIOR TO ORDERING LUMINAIRES.
- D. TROFFER LENS SHALL BE 100% VIRGIN ACRYLIC, MINIMUM 0.125" THICK.
- E. LUMINAIRES SHOWN SHADED OR WITH A SUBSCRIPT "EM" SHALL BE PROVIDED WITH A BATTERY PACK INVERTER. CIRCUITED AHEAD OF ANY SWITCHING.

PART 3 EXECUTION

3.01 EQUIPMENT CONNECTIONS AND COORDINATION

- A. MECHANICAL EQUIPMENT AND ASSOCIATED CONTROL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- B. PROVIDE FEEDERS AND BRANCH CIRCUITS TO EQUIPMENT AND MAKE
 CONNECTIONS. LOW VOLTAGE CONTROLS WIRING AND CONNECTIONS SHALL BE
- C. PROVIDE ENCLOSED SAFETY SWITCHES, CIRCUIT BREAKERS, OR THERMAL OVERLOAD DISCONNECT SWITCHES AS NECESSARY.

PROVIDED BY THE MECHANICAL CONTRACTOR.

3.02 RACEWAYS AND BOXES

- A. ALL CONDUCTORS SHALL BE ENCLOSED IN CONDUIT SIZED IN ACCORDANCE WITH ANNEX C OF THE NATIONAL ELECTRICAL CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2" EXCEPT FOR FACTORY- FURNISHED LUMINAIRE FLEXIBLE CONDUITS WHICH MAY BE 3/8".
- B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE UTILIZED FOR ALL DRY, ABOVE GRADE OR ABOVE FLOOR APPLICATIONS UNLESS OTHERWISE NOTED. EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE OR STEEL SET SCREW TYPE.
- C. FLEXIBLE METAL CONDUIT (FMC) SHALL BE UTILIZED FOR ALL DRY LOCATION CONNECTIONS TO RECESSED LUMINAIRES OR VIBRATING EQUIPMENT SUCH AS MOTORS OR TRANSFORMERS (MINIMUM 2'-0", MAXIMUM 6'-0").
- D. LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC) SHALL BE UTILIZED IN AREAS SUBJECT TO MOISTURE WHERE FMC IS UNACCEPTABLE.
- E. GALVANIZED RIGID METAL CONDUIT (RMC) OR INTERMEDIATE METAL CONDUIT (IMC) SHALL BE UTILIZED FOR ALL ABOVE GRADE APPLICATIONS WHERE EXPOSED TO MOISTURE, MECHANICAL DAMAGE, IN HAZARDOUS LOCATIONS, AND WHERE REQUIRED BY CODES.
- F. ALL RACEWAYS AND ASSOCIATED COMPONENTS SHALL BE CONCEALED TO THE EXTENT POSSIBLE. EXPOSED RACEWAY, INCLUDING CONDUIT INSTALLED ABOVE ACCESSIBLE CEILINGS, SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND TIGHT TO STRUCTURE. EXPOSED RACEWAYS IN ARCHITETURALLY FINISHED AREAS SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
- G. PROVIDE EXPANSION TYPE FITTINGS FOR ALL RACEWAYS THAT CROSS EXPANSION JOINTS.
- H. PROVIDE SLEEVES AS REQUIRED TO ROUTE CABLING FROM FLOOR TO FLOOR OR THROUGH FIRE-RATED STRUCTURES. SEAL HOLES THROUGH FIRE-RATED STRUCTURES WITH FIREPROOFING MATERIAL.
- I. ALL RACEWAYS INSTALLED FOR TELECOMMUNICATIONS OR OTHER SPECIAL SYSTEM CABLING SHALL BE PROVIDED WITH A PULLCORD, PLASTIC BUSHINGS AT OPEN ENDS, AND PULLBOXES AT INTERVALS REQUIRED BY THE CABLE INSTALLER
- J. PLENUM RATED WIRING FOR SYSTEMS OTHER THAN POWER SYSTEMS MAY BE INSTALLED ABOVE ACCESSIBLE CEILINGS WITHOUT RACEWAYS WHEN APPROVED BY THE ARCHITECT/ENGINEER/OWNER. PROVIDE BRIDAL RINGS OR SIMILAR WIRE MANAGEMENT SYSTEM AT INTERVALS REQUIRED BY THE CABLE INSTALLER.
- K. LOCATE JUNCTION BOXES AND PULLBOXES IN ACCESSIBLE LOCATIONS.
- L. SUPPORT JUNCTION BOXES AND PULLBOXES DIRECTLY FROM STRUCTURE, INDEPENDENT OF CONDUIT. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO CEILING SUPPORT WIRES OR SPLINES. SUPPORT RACEWAYS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
- M. CONDUITS SHALL BE FASTENED TO OUTLET, DEVICE, PULL AND JUNCTION BOXES WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. PROVIDE CAPS FOR UNUSED KNOCKOUTS.
- N. PROVIDE OUTLET, DEVICE, PULL, AND JUNCTION BOXES WITH ADEQUATE WIRING SPACE TO COMPLY WITH NEC ARTICLE 314.

3.03 WIRE AND CABLE (600 VOLTS AND LESS)

A. WIRING FOR SYSTEMS OTHER THAN POWER SYSTEMS SHALL BE PROVIDED BY OTHERS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

3.04 WIRING DEVICES

- A. INSTALL CENTERLINE OF DEVICES AT THE FOLLOWING HEIGHTS UNLESS OTHERWISE NOTED ON THE DRAWINGS:
 - 1. RECEPTACLES:LONG AXIS VERTICAL 18" AFF

SWITCHES:LATCH SIDE OF DOOR 48" AFF 3.05 ENCLOSED SWITCHES AND CIRCUIT BREAKERS

A. PROVIDE DISCONNECTING MEANS FOR ALL POWERED EQUIPMENT THAT IS NOT FURNISHED WITH A CORD AND PLUG OR AN INTEGRAL DISCONNECT SWITCH.

3.07 GROUNDING SYSTEMS

- A. ELECTRICAL DISTRIBUTION EQUIPMENT, RACEWAYS, ENCLOSURES, SUPPORTS, TRANSFORMERS, LUMINAIRES, ETC. SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- B. PROVIDE ALL BONDING CONDUCTORS, BUSHINGS, CLAMPS, ETC. REQUIRED FOR A COMPLETE SYSTEM.
- C. PROVIDE EQUIPMENT GROUNDING CONDUCTORS FOR ALL FEEDERS AND BRANCH CIRCUITS.
- D. GROUNDING CONNECTIONS SHALL HAVE CLEAN CONTACT SURFACES.
- E. INSTALL ALL GROUNDING CONDUCTORS IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

3.08 LUMINAIRES

A. COORDINATE CEILING SPACE AROUND LUMINAIRES WITH THE OTHER TRADES AND IDENTIFY ANY CONFLICTS WITH ARCHITECT/ENGINEER PRIOR TO ORDERING. MOUNT ALL OUTLETS AT POSITION AND HEIGHT TO CLEAR DUCTS, ETC.

END OF SECTION

G SQUARED DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

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CU ANSCHUTZ MEDICAL CAMP DENTAL SCHOOL LOUNGE RENOV,

ory <u>Date</u>
\(\simeq\) ISSUE FOR CONSTRUCTION 11.03.2023

DATE: 11.03.2023 PROJECT #: 2022.101

DRAWN BY:

DESIGNED BY:

CHECKED BY:

ELECTRICAL SPECIFICATION

KLY

720.502.4156

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

Report date: 05/08/23

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Requirements: 0.0% were addressed directly in the COMcheck software

Energy Code: Project Title: CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION Project Type: Alteration

COMcheck Software Version 4.1.5.5

2015 IECC

Owner/Agent:

KEVIN YINGLING INNOVATIVE ELECTRICAL SYSTEMS, 8093 WEST ILIFF LANE LAKEWOOD, CO 80227 303-807-7181 KLY@IESYSTEMS-INC.COM

Designer/Contractor:

Allowed Interior Lighting Power

Project Information

Construction Site:

Area Category Floor Area Allowed Allowed Watts Watts / ft2 (B X C) 1-School/University Total Allowed Watts = N/A

Area Category Exemption Qualifications Total # Watts Activity Area Pre-Alt. School/University (3000 sq.ft.) Exemption: Less than 10% fixture replacement.

Lamps/ # of Fixture (C X D) Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Fixture Fixtures Watt. School/University (3000 sq.ft.): Exempt Total Proposed Watts = N/A

Interior Lighting PASSES Interior Lighting Compliance Statement

Proposed Interior Lighting Power

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 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION Report date: 05/08/23 Project Title: CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION Data filename: C:\Users\kly\Desktop\2023004.00 CU Dental School Lounge\Sched\ENERGY CALC.cck Page 1 of 3 Data filename: C:\Users\kly\Desktop\2023004.00 CU Dental School Lounge\Sched\ENERGY CALC.cck Page 2 of 3

Project Title: CU ANSCHUTZ MEDICAL CAMPUS DENTAL SCHOOL LOUNGE RENOVATION Data filename: C:\Users\kly\Desktop\2023004.00 CU Dental School Lounge\Sched\ENERGY CALC.cck Page 3 of 3

*TOTAL WATTS PRE-ALT AND POST-ALT ONLY INCLUDE THE FIXTURES REMOVED AND THE NEW. THIS IS ENOUGH TO INDICATE NEW OAD IS LESS THAN EXISTING LOAD WITHOUT THE NEED TO LOOK UP ALL THE EXISTING FXITURES IN THE SPACE.

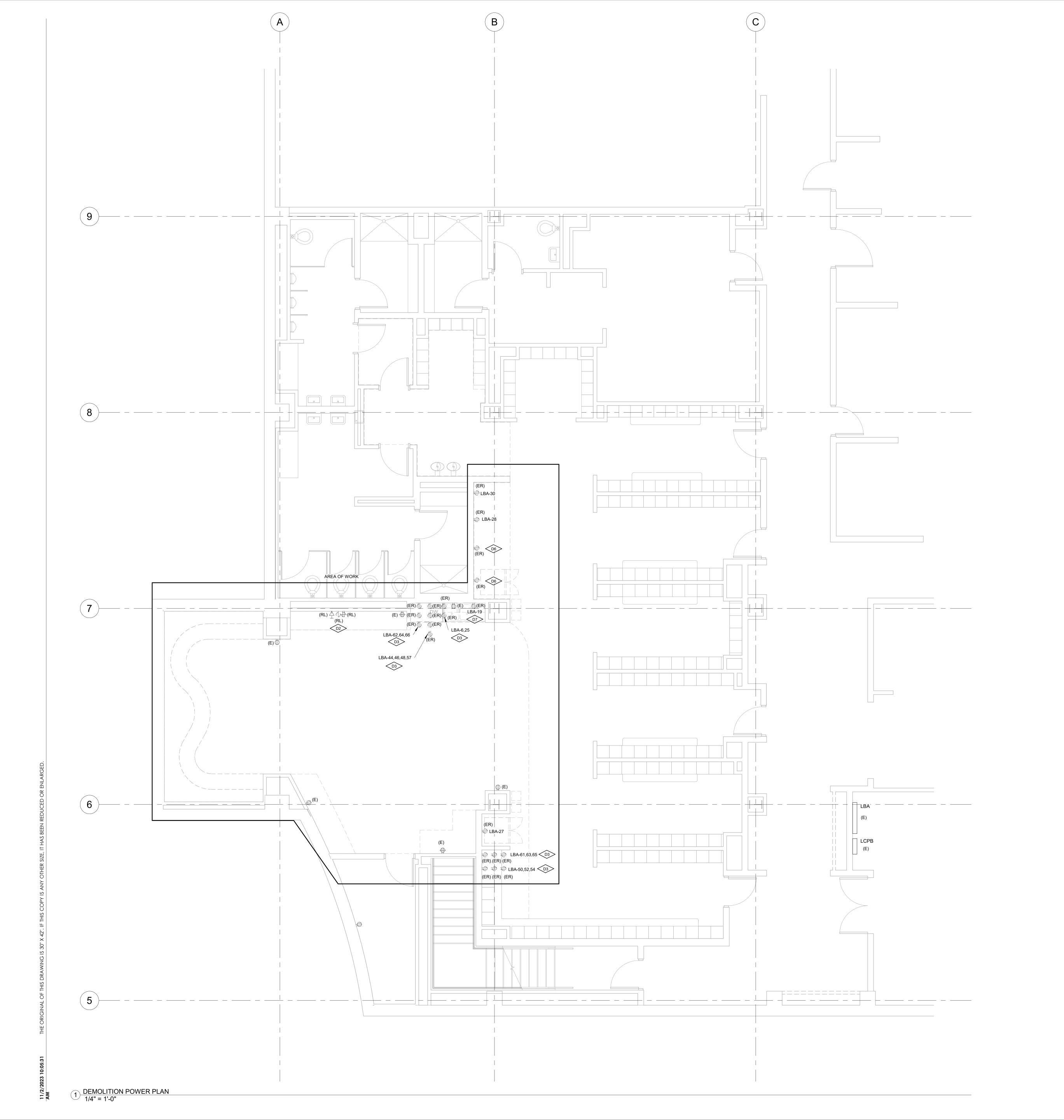
ISSUE FOR CONSTRUCTION 11.03.2023

DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY: ELECTRICAL

ENERGY CALCULATION

11.03.2023 2022.101



G SQUARED DESIGN

KEYNOTE LEGEND

Keynote Text

TV IS BRING RAISED. RAISE ALL POWER AND LOW VOLTAGE FOR EXISTING TV UP TO NEW HEIGHT. CIRCUITS INDICATED ARE SPREAD ACROSS THE

DEMO EXISTING DUPLEX BUT MAINTAIN CIRCUIT. A NEW OUTLET WITH REMOTE GFCI WILL BE

RELOCATE CIRCUIT TO BELOW COUNTER. REFER TO

EXISTING INSTA HOT CIRCUIT ABOVE COUNTER.

DEVICES IN THIS COLUMN OF OUTLETS.

INSTALLED AT THIS LOCATION.

NEW PLANS.

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

History Date
Substitution 11.03.2023

DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

DEMOLITION POWER PLAN

11.03.2023 2022.101

ED-101

1 DEMOILITION LIGHTING PLAN 1/4" = 1'-0"

KEYNOTE LEGEND

Keynote Text

D4 120V CIRCUIT, AND DIMMING SWITCH FOR THE THREE DOWNLIGHTS IN THIS SOFFIT SHALL BE REUSED FOR NEW LIGHTING. D5 SWITCH INDICATES AN ENTIRE SWITCH BANK AT THIS LOCATION. ALL SWITCHES SHALL BE EXISTING TO REMAIN.

G SQUARED DESIGN
ARCHITECTURAL + DESIGN SERVICES

10920 W. ALAMEDA AVE, SUITE 100 LAKEWOOD, COLORADO 80226 720.502.4156

History Date
Substitution In 1.03.2023

DATE: PROJECT #:

DRAWN BY: DESIGNED BY: CHECKED BY:

DEMOLITION LIGHTING PLAN

ED-111

11.03.2023 2022.101