VOLUME ISSUE: 01 OF: 01 Architecture

PROVIDE A FULL-SIZE SET OF LEGIBLE APPROVED CONSTRUCTION DOCUMENTS **PRINTED IN COLOR** FOR REVIEW BY INSPECTOR

PLAN CHANGES WILL **REQUIRE AN APPROVED REVISION** BEFORE INSPECTION CAN BE APPROVED

AT ALL TIMES DURING CONSTRUCTION, MAINTAIN REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION AND SANITARY GUARDS PER **2015 IBC 3302.1**

This plan is reviewed to **IBC** but the existing building is NOT converted to **IBC**. The construction type listed is **UBC.** Occupancy group is **IBC.**

SEPARATE FIRE ALARM PERMIT REQUIRED: Due to the proposed work the general contractor is required to obtain the services of a fire alarm contractor to determine if a separate alarm permit is required. If it is determined that the spacing of the fire alarm devices is not in compliance, then a separate fire alarm permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. **2015 IFC, Section 105.7.6.**

SEPARATE FIRE SPRINKLER PERMIT REQUIRED: Due to the proposed work the general contractor is required to obtain the services of a fire sprinkler contractor to determine if a separate sprinkler permit is required. If it is determined that the spacing of the fire sprinkler heads is not in compliance, then a separate fire sprinkler permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. **2015 IFC, Section 105.7.1.**

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

Provide U.L. Class 2A10BC minimum rating fire extinguishers at a maximum 75'-0" travel distance prior to the Certificate of Occupancy issuance 2015 IFC Table 906.3[1] and 2013 NFPA 10

Consultation for fire extinguisher placement is available upon request. Call 303-739-7420 prior to final Life Safety inspection to verify proposed locations.

Provide a sign stating "EXIT" in raised, visual characters and braille adjacent to each door in an area of refuge, an exterior area for assisted rescue, an exit stairway or ramp, an exit passageway and the exit discharge. **2015 IBC 1013.4**

City of Aurora Building Division
Project: *Tenant Improvement*
Address: *1400 S POTOMAC ST Unit 250*
Occupancy Group: *IBC B*
Construction Type: *UBC II-N-SPK*
RSN: *1652119*
Permit: *22-2201748-LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

RSN: *1652119*
Permit #: *22-2201748-LT*

DAVIS PARTNERSHIP ARCHITECTS

2901 Blake Street, Suite 100
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303.861.8555

STATE OF COLORADO
J.D. DREVER
803337
08.10.22
LICENSED ARCHITECT

Issue Date:

08.10.2022

Project:

21086.01

Sundermeyer Family Practice

1400 S. Potomac, Suite 250
Aurora, CO 80012

Original Issuance:

CONSTRUCTION DOCUMENTS

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Sheet Index

#	Name	Issuance	Sheet Issue Date	Revision Name	Revision Date
General					
G-000	COVER	CONSTRUCTION DOCUMENTS	08.10.2022		
G-001	SHEET INDEX AND PROJECT DATA	CONSTRUCTION DOCUMENTS	08.10.2022		
Life Safety					
LS-101	LIFE SAFETY PLAN - LEVEL 02	CONSTRUCTION DOCUMENTS	08.10.2022		
AD-102	FLOOR PLAN - LEVEL TWO DEMOLISION PLAN	CONSTRUCTION DOCUMENTS	08.10.2022		
Architectural					
A-710	INTERIOR PARTITON TYPES	CONSTRUCTION DOCUMENTS	08.10.2022		
A-400	ENLARGED PLANS, INTERIOR ELEVATIONS AND RENDERINGS	CONSTRUCTION DOCUMENTS	08.10.2022		
A-401	INTERIOR ELEVATIONS	CONSTRUCTION DOCUMENTS	08.10.2022		
A-550	INTERIOR DETAILS	CONSTRUCTION DOCUMENTS	08.10.2022		
A-590	CASEWORK TYPES AND DETAILS	CONSTRUCTION DOCUMENTS	08.10.2022		
A-600	FINISH PLAN, LEGEND AND NOTES	CONSTRUCTION DOCUMENTS	08.10.2022		
A-720	DOOR SCHEDULE, TYPES, AND DETAILS	CONSTRUCTION DOCUMENTS	08.10.2022		
A-102	CONSTRUCTION PLANS - LEVEL TWO	CONSTRUCTION DOCUMENTS	08.10.2022		
Plumbing					
P-001	PLUMBING COVER SHEET	CONSTRUCTION DOCUMENTS	08.10.2022		
PD-102	DEMOLITION PLUMBING PLAN LEVEL 2	CONSTRUCTION DOCUMENTS	08.10.2022		
P-102	NEW WORK PLUMBING PLAN LEVEL 2	CONSTRUCTION DOCUMENTS	08.10.2022		
P-301	PLUMBING SCHEDULES AND DETAILS	CONSTRUCTION DOCUMENTS	08.10.2022		
Mechanical					
M-001	MECHANICAL COVER SHEET	CONSTRUCTION DOCUMENTS	08.10.2022		
MD-102	DEMOLITION MECHANICAL PLAN LEVEL 2	CONSTRUCTION DOCUMENTS	08.10.2022		
M-102	NEW WORK MECHANICAL PLAN LEVEL 2	CONSTRUCTION DOCUMENTS	08.10.2022		
M-301	MECHANICAL SCHEDULES	CONSTRUCTION DOCUMENTS	08.10.2022		
Electrical					
E-001	ELECTRICAL LEGEND AND NOTES	CONSTRUCTION DOCUMENTS	08.10.2022		
E-002	ENERGY CODE COMPLIANCE FORMS	CONSTRUCTION DOCUMENTS	08.10.2022		
E-102	LEVEL TWO - POWER PLANS - NEW AND DEMO	CONSTRUCTION DOCUMENTS	08.10.2022		
E-202	LEVEL TWO - LIGHTING PLANS - NEW AND DEMO	CONSTRUCTION DOCUMENTS	08.10.2022		

SEE ATTACHED ARCHITECTURAL SPECIFICATION MANUAL

GENERAL NOTES

1. IF DISCREPANCIES OCCUR BETWEEN DRAWINGS OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, SUBMIT AN RFI FOR RESOLUTION.
2. DO NOT SCALE THE DRAWINGS. SUBMIT AN RFI IF CRITICAL DIMENSIONS DO NOT APPEAR ON THE DRAWINGS.
3. THE BUILDING EXTERIOR IS DEFINED BASED ON A SYSTEMS METHODOLOGY. REFER TO A-700 DRAWING SERIES FOR COMPONENTS THAT COMPRISE EACH SYSTEM.
4. PROVIDE ISOLATION BETWEEN ALL DISSIMILAR METALS WHERE THEY OCCUR TO PREVENT ELECTROLYTIC REACTION AND CORROSION.
5. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH MANUFACTURER FOR EQUIPMENT THAT IS EXISTING, REUSED, OR FURNISHED BY OWNER.

DEFINITIONS

ALIGN	TO ACCURATELY LOCATE FACE BASED ON ADJACENT ITEMS OR CONSTRUCTION
MAXIMUM	THE CONDITION MAY NOT VARY TO A DIMENSION GREATER THAN THAT SHOWN WITHOUT THE APPROVAL OF THE ARCHITECT
MINIMUM	THE CONDITION MAY NOT VARY TO A DIMENSION SMALLER THAN THAT SHOWN WITHOUT THE APPROVAL OF THE ARCHITECT
TYPICAL	THE CONDITION APPLIES TO SAME CONDITIONS THROUGHOUT UNLESS NOTED OTHERWISE

ALTERNATES

1. BASE BID: SHEET VINYL WITH INTEGRAL BASE IN ALL TOILET ROOMS.
   ALTERNATE: PROVIDE TILE FLOOR WITH TILE BASE IN ALL NEW TOILET ROOMS. SEE ALTERNATES IN FINSH LEGEND FOR PRODUCT INFORMATION.
2. BASE BID: PLASTIC LAMINTE COUNTERTOPS AT SINK LOCATIONS
   ALTERNATE: SOLID SURFACE COUNTERTOPS AT SINK LOCATIONS.

STANDARD ABBREVIATIONS LEGEND

ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT or ARCHITECTURAL
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS
AUX	AUXILIARY
BLDG	BUILDING
BSMT	BASEMENT
BTWN	BETWEEN
CD	CONSTRUCTION DOCUMENTS or CONTRACT DOCUMENTS
CJ	CONSTRUCTION JOINT or CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CORR	CORRIDOR
DBL	DOUBLE
DEMO	DEMOLISH or DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION or DIMENSIONAL
DW	DISHWASHER
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FURNITURE, FIXTURES AND EQUIPMENT
FHC	FIRE HOSE CABINET
GA	GAUGE
GALV	GALVANIZED
HB	HOSE BIBB
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION and AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
JAN	JANITOR
JT	JOINT
L	ANGLE
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL and PLUMBING
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NOTE:	FOR ADDITIONAL ABBREVATIONS; REFER TO SPECIFICATION 01 4200 FOR COMPLETE INDUSTRY STANDARD ABBREVIATION LIST
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON-CENTER
OPNG	OPENING
OPP	OPPOSITE
PERIM	PERIMETER
PR	PAIR or PROPOSAL REQUEST
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT(ED), POST-TENSIONED SLAB or PRESSURE TREATED
QTY	QUANTITY
R	RADIUS, RISER or THERMAL RESISTANCE
RCP	REFLECTED CEILING PLAN
RD	ROAD or ROOF DRAIN
RE	REFER TO or REFERENCE
REV	REVISE, REVISED or REVISION
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RTU	ROOFTOP UNIT
SAN	SANITARY
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ	SQUARE
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STOR	STORAGE
TO	TOP OF
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT
WT	WEIGHT

ARCHITECTURAL SYMBOLS LEGEND

BUILDING SECTION REFERENCE — # / X-###

WALL SECTION REFERENCE — # / X-###

DETAIL ELEVATION REFERENCE — # / X-###

INTERIOR ELEVATION REFERENCE — (# / X-### / #)

EXTERIOR ELEVATION REFERENCE — # / # X-### # / #

DETAIL CALLOUT — # / X-### TYP.

DIMENSION STRING — 8'-2"

CENTERLINE

GRID LABEL - NEW — #

GRID LABEL - EXISTING — #

ELEVATION LABEL — LEVEL 1 100' - 0"

EXTERIOR SYSTEM TAG — PWS_MET_2.1

INTERIOR PARTITION TYPE TAG — Fn2PX

WINDOW TAG — W#

CURTAIN WALL TAG — C#

STOREFRONT TAG — S#

SPOT ELEVATION — EL = 100'-0"

DOOR TAG — ####X

ROOM TAG — ROOM NAME / ####

AREA TAG — AREA NAME 150 SF

CEILING HEIGHT TAG — 10'-10"

FINISH TAG — XX#

VIEW REFERENCE — 1 / A-101

KEYNOTE AND LEADER-TYPE 1 — F15

KEYNOTE AND LEADER-TYPE 2 — 07 2700 - SHEET WATERPROOFING

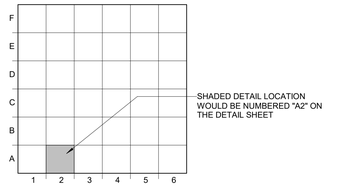
REVISION CLOUD AND TAG — 1

NORTH ARROW — N

GRAPHIC SCALE

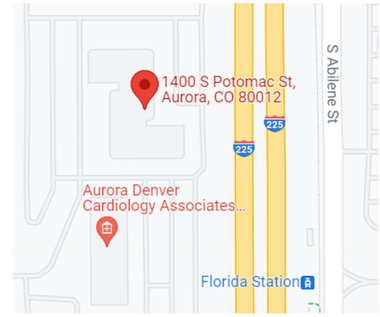
0' 4' 8' 16' 32' SCALE: 1/8" = 1'-0"

DETAIL NUMBERING
BATTLESHIP GRID ORDER



This sheet of drawings has not been reviewed for code compliance.

Location Map



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Consultant(s)

Stamp



Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
SHEET INDEX AND PROJECT DATA

Sheet Number:
G-001

DPA Project: 21086.01

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8/8/2022 12:23:21 PM

PROJECT DESCRIPTION: THIS PROJECT IS A 4,461 SF RENOVATION TO A(N) EXISTING SUITE IN AN EXISTING MULTI-TENANT BUILDING.

APPLICABLE BUILDING CODES:

2015	INTERNATIONAL BUILDING CODE
2015	INTERNATIONAL RESIDENTIAL CODE
2015	INTERNATIONAL MECHANICAL CODE
2015	INTERNATIONAL FUEL GAS CODE
2015	INTERNATIONAL PLUMBING CODE
2015	INTERNATIONAL EXISTING BUILDING CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE
2020	NATIONAL ELECTRICAL CODE

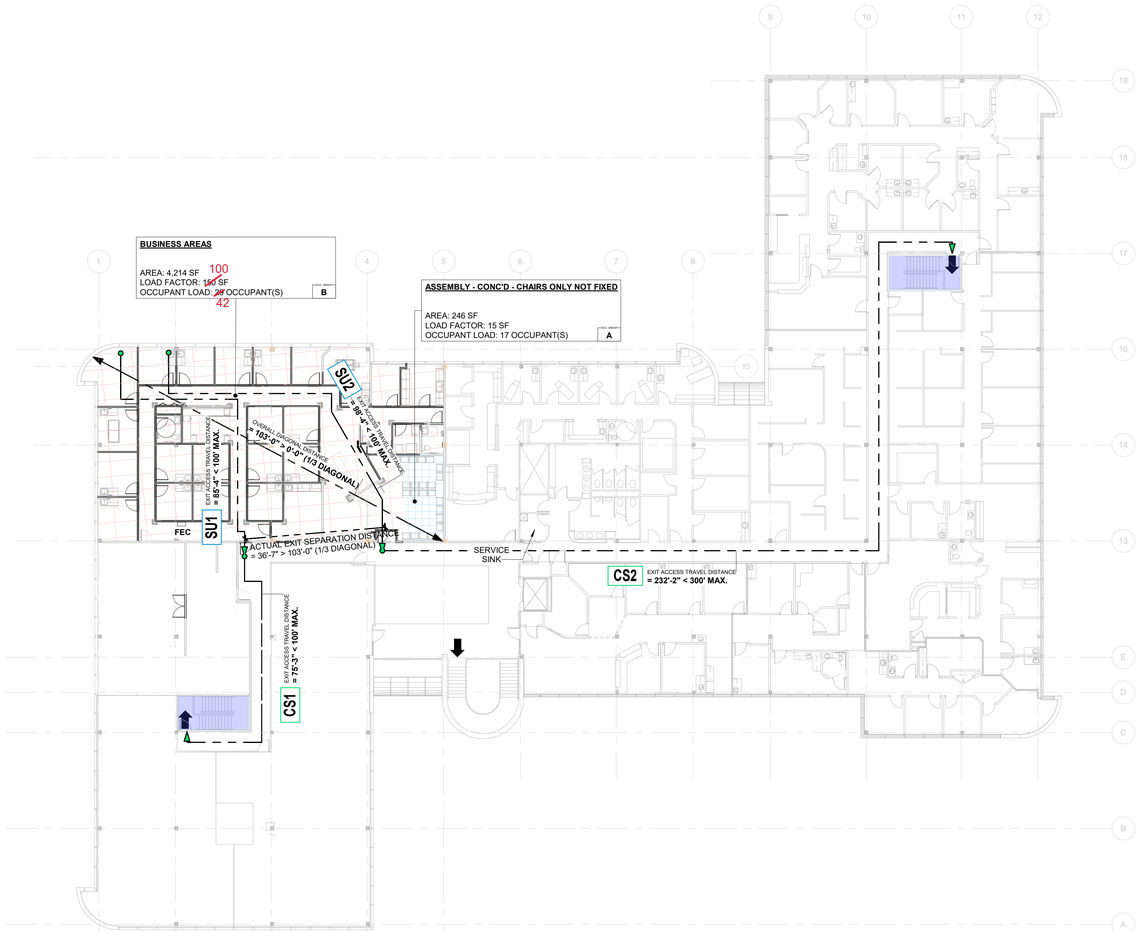
IBC (2015)	
CONSTRUCTION TYPE:	~~VB~~ UBC II-N
OCCUPANCY CLASSIFICATION:	B
LIFE SAFETY SYSTEMS:	SPRINKLERED
MAX. TRAVEL DISTANCE ALLOWED TO EXIT:	300'-0"
NUMBER OF EXITS REQUIRED:	2
NUMBER OF EXITS PROVIDED:	2
OCCUPANCY (PROVIDE FORMULA):	BUSINESS (4,210 SF * 1:~~100~~ 42) = ~~43~~ 25 OCCUPANTS ASSEMBLY (251 SF * 1:15) = 17 OCCUPANTS TOTAL: ~~60~~ 42 OCCUPANTS

PLUMBING FIXTURES IN SUITE:

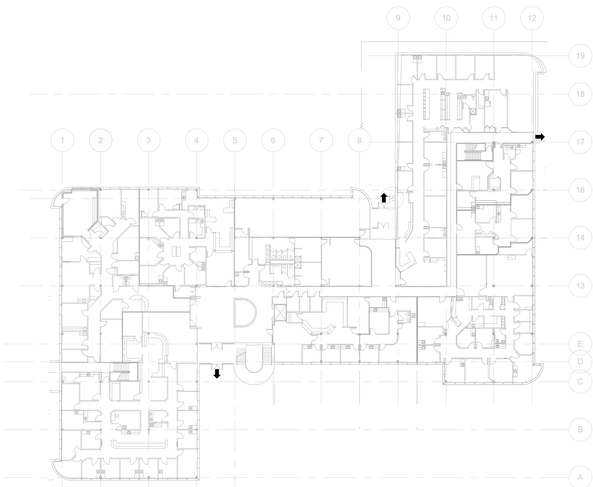
WATER CLOSETS REQUIRED:	2	LAVATORIES REQUIRED:	2
WATER CLOSETS PROVIDED:	2	LAVATORIES PROVIDED	2
SERVICE SINK REQUIERED:	1		
SERVICE SINK PROVIDED:	1 IN COMMON CORRIDOR		

NOTE:

RE: A-710 FOR PARTITION TYPES SCHEDULE, WALL RATINGS @ UL ASSEMBLIES AT ADDITIONAL INTERIOR PARTITIONS.



A1 **LEVEL 2 - LIFE SAFETY**
1/16" = 1'-0"



A4 **LEVEL 1 - LIFE SAFETY**
1/32" = 1'-0"

LIFE SAFETY LEGEND

LIFE SAFETY ANNOTATION SYMBOLS

1 **LIFE SAFETY NOTES**

1 **INCIDENTAL ACCESSORY OCCUPANCY NOTES**

FIRE SAFETY COMPONENTS (COORDINATE FINAL LOCATION(S) WITH LOCAL FIRE DEPARTMENT)

FEC **FIRE EXTINGUISHER CABINET**

EGRESS COMPONENTS

EA## EXIT ACCESS TRAVEL DISTANCE = 60'-0" < 250' MAX.

CS## EXIT ACCESS TRAVEL DISTANCE = 60'-0" < 125' MAX.

OVERALL DIAGONAL DISTANCE = 60'-0" (1/3 DIAGONAL = 20'-0")

ACTUAL EXIT SEPARATION DISTANCE = 60'-0" > 20'-0" (1/3 DIAGONAL)

0 EXIT ACCESS (OCCUPANT LOAD) | 0 EXIT (OCCUPANT LOAD) | 0 EXIT DISCHARGE (OCCUPANT LOAD)

FIRE RATED WALL LEGEND

			FIRE DOOR ASSEMBLY RATINGS PER *IBC TABLE 716.1(2)*
FIRE PARTITION (P)	.5HR		1/3 HOUR AT FIRE PARTITIONS; 1/3 HOUR[N] AT CORRIDOR WALLS
	1HR		1/3 HOUR[N] AT CORRIDOR WALLS; 3/4 HOUR AT OTHER FIRE PARTITIONS
NEW WALL			
EXISTING WALL (HALFTONE)			

[A] **IBC TABLE 716.1(2)** - TWO DOORS, EACH WITH A FIRE PROTECTION RATING OF 1½ HOURS, INSTALLED ON OPPOSITE SIDES OF THE SAME OPENING IN A FIRE WALL, SHALL BE DEEMED EQUIVALENT TO ONE **3**HR FIRE DOOR.

[N] **IBC TABLE 716.1(2)** - FIRE-RESISTIVE-RATED GLAZING FOR OPENINGS AS A PART OF A FIRE BARRIER, FIRE WALL, FIRE PARTITION AND OR CORRIDOR WALL ARE PER **SECTION 716.1.2.3**

[E] **IBC 716.2.1.4** - FIRE DOOR ASSEMBLIES THAT SERVE AS SMOKE AND DRAFT CONTROL ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH **UL 1784**.

[F] **IBC 716.2.6.4** - AUTOMATIC-CLOSING FIRE DOOR ASSEMBLIES SHALL BE SELF-CLOSING IN ACCORDANCE WITH **NFPA 80**.

[H] **IBC 509.4.2** - DOORS SHALL BE SELF- OR AUTOMATIC-CLOSING UPON DETECTION OF SMOKE PER **SECTION 716.2.6.6**. NO AIR TRANSFER OPENINGS AND UNDERCUTS IN EXCESS OF THE CLEARANCE PERMITTED PER **NFPA 80**. WALLS SURROUNDING THE INCIDENTAL USE SHALL NOT HAVE AIR TRANSFER OPENINGS UNLESS PROVIDED WITH SMOKE DAMPERS PER **SECTION 710.8**.

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Provide a sign stating "EXIT" in raised, visual characters and braille adjacent to each door in an area of refuge, an exterior area for assisted rescue, an exit stairway or ramp, an exit passageway and the exit discharge. **2015 IBC 1013.4**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

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Consultant(s)

Stamp

STATE OF COLORADO J.D. DREYER #53337 08.10.22 LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
LIFE SAFETY PLAN - LEVEL 02

Sheet Number:
LS-101

DPA Project: 21086.01

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8/9/2022 1:27:23 PM

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AT ALL TIMES DURING CONSTRUCTION, MAINTAIN REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION AND SANITARY GUARDS PER **2015 IBC 3302.1**

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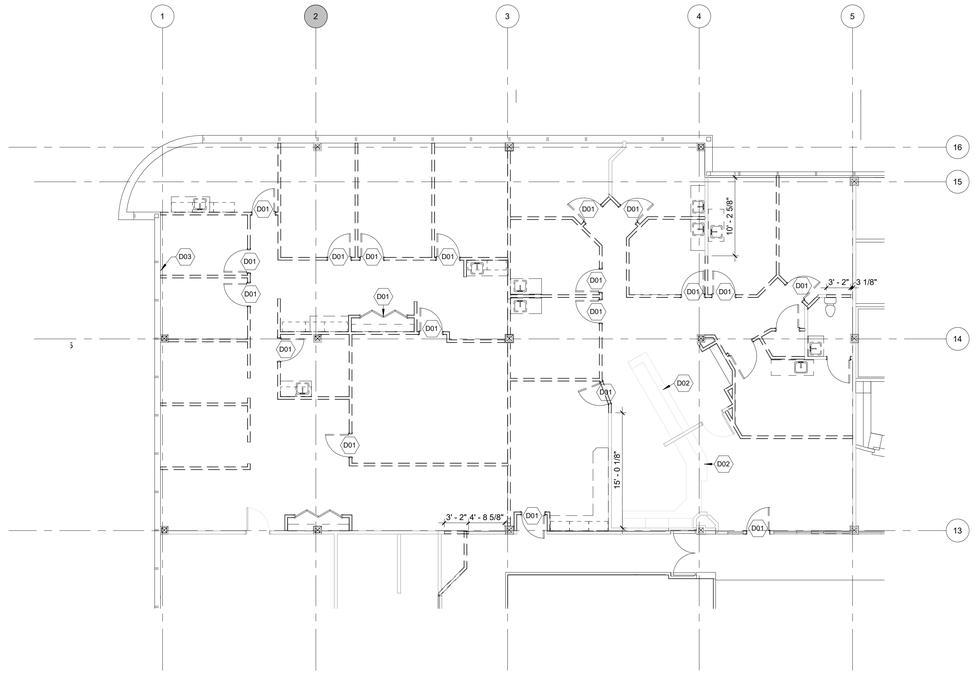

A3 **DEMO FLOOR PLAN - LEVEL 2**
1/8" = 1'-0"

Demolition General Notes

1. COVER AND PROTECT EXISTING WINDOW SHADES DURING CONSTRUCTION. VERIFY ALL ARE IN PROPER WORKING ORDER AND NOT DAMAGED.
2. DEMO ALL CEILING GRIDS, TILES AND LIGHTS.
3. DEMO ALL EXISTING FLOOR FINSIHES.
4. DEMO ALL MILLWORK.
5. DEMO ALL FLOORING AND ASSOCIATED BASE, FLOOR TO BE PREPPED FOR NEW FINISHES.
6. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO IDENTIFY AND TO PROTECT EXISTING STRUCTURE, ELECTRICAL/DATA/TELECOM SYSTEMS, UTILITIES, SURFACES AND FINISHES TO REMAIN. ALL SYSTEMS DAMAGED BY CONTRACTOR ARE TO BE REPAIRED BY CONTRACTOR.
7. WHENEVER EXISTING UTILITIES MUST BE REMOVED: EXPOSED OPENINGS IN FLOORS OR WALLS ARE TO BE PATCHED TO MATCH ADJOINING CONSTRUCTION. EXISTING SUPPLY AND WASTE PIPING ARE TO BE CUT AND CAPPED BELOW FINISHED SURFACES.
8. PROVIDE ELECTROLYTIC PROTECTION BETWEEN ALL DISSIMILAR METALS WHERE THEY OCCUR TO PREVENT ALL MOUNTED ASSEMBLIES REGARDLESS OF WHETHER EQUIPMENT OR ASSEMBLY IS NEW OR RELOCATED.
9. PATCH AND REPAIR EXISTING WALLS FOR NEW FINISH IN AREAS OF SCOPE OF CONSTRUCTION.

Demo Legend

- EXISTING WALL/ PARTITION TO BE REMOVED
- EXISTING WALL/ PARTITION TO REMAIN
- EXISTING PLUMBING FIXTURES TO BE REMOVED
- EXISTING DOOR OR WINDOW, FRAME AND HARDWARE TO BE REMOVED
- EXISTING DOOR OR WINDOW, FRAME AND HARDWARE TO BE REMAIN

Keynotes

KEYNOTE LEGEND (DEMO)

D01	REMOVE AND SALVAGE EXISTING DOOR AND DOOR FRAME FOR REUSE OR RETURN TO OWNER STOCK
D02	REMOVE EXISTING PLASTIC LAMINATE PANEL ON FACE OF RECEPTION DESK, PREP RECEPTION DESK FOR NEW DECORATIVE PANELS
D03	REMOVE MASONITE PANEL OVER WINDOW

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Consultant(s)

Stamp



Issuance	Date
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Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
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Sheet Information

Sheet Title:
FLOOR PLAN - LEVEL TWO DEMOLISION PLAN

Sheet Number:
AD-102

DPA Project: 21086.01

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8/9/2022 1:27:23 PM

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Provide a sign stating "EXIT" in raised, visual characters and braille adjacent to each door in an area of refuge, an exterior area for assisted rescue, an exit stairway or ramp, an exit passageway and the exit discharge.
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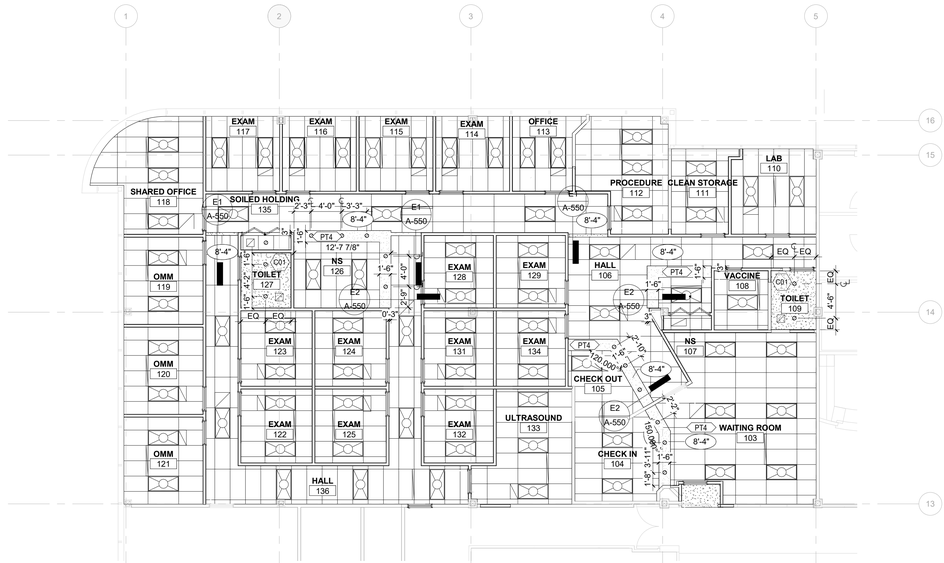
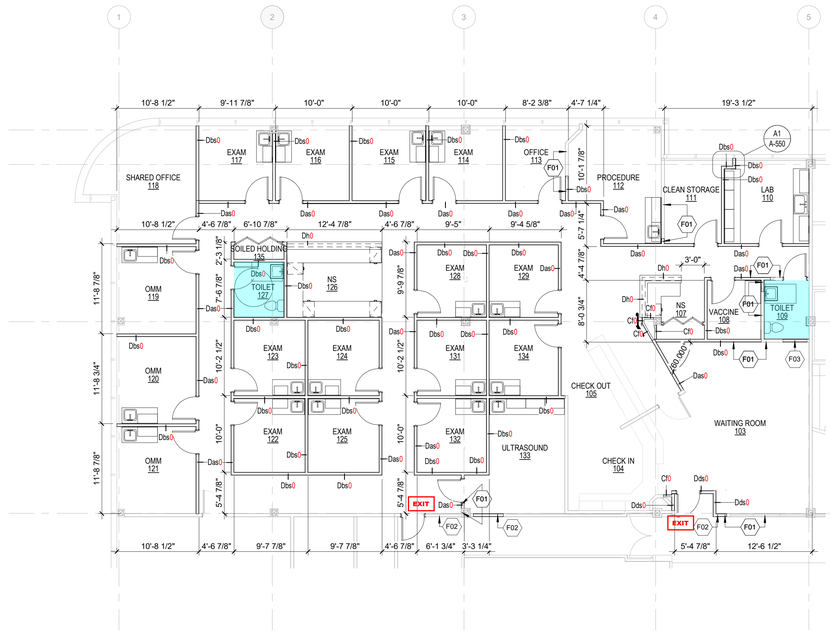
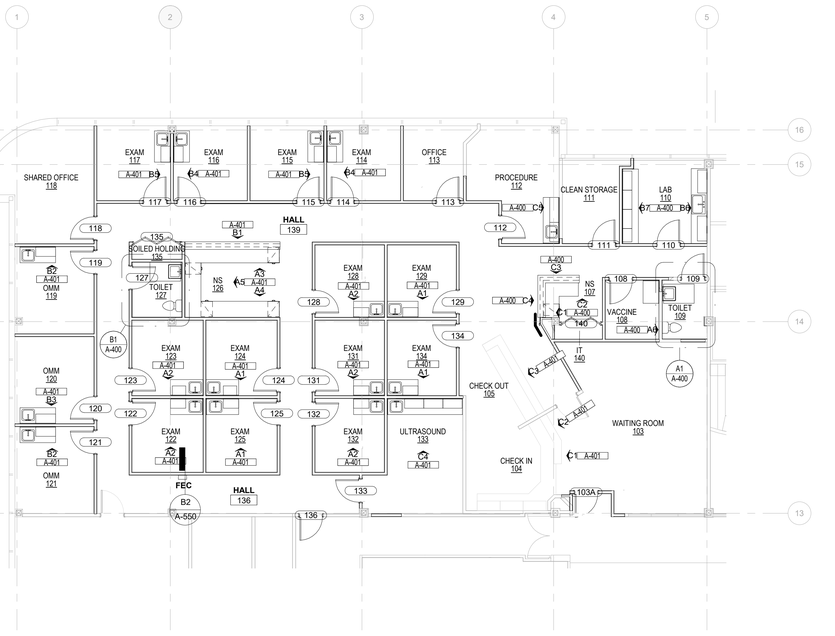


D3 **REFLECTED CEILING PLAN - LEVEL 2**
1/8" = 1'-0"



A1 **DIMENSION FLOOR PLAN - LEVEL 2 SUITE 250**
1/8" = 1'-0"



A3 **ANNOTATION FLOOR PLAN - LEVEL 2 SUITE 250**
1/8" = 1'-0"

Reflected Ceiling Plan General Notes

1. FINISHED CEILING HEIGHT IS 8'-6" U.N.O.
2. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION OR SOFFIT AND CENTERLINE OF CEILING MOUNTED SUPPORT U.N.O.
3. ALLOW FOR 1" DEFLECTION AT PARTITION HEAD.
4. DIMENSIONS FROM STRUCTURAL ELEMENTS ARE TO CENTERLINE OF COLUMNS AND BEAMS.
5. LOCATE SPRINKLER HEADS TO WALL AND CEILING LAYOUT PER NFPA- - 13. REFER TO MECHANICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL DIRECTION. CENTER SPRINKLER HEAD IN TILE.
6. PROVIDE ACCESS PANELS WHERE REQUIRED TO PROVIDE ACCESS TO EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. COORDINATE LOCATIONS WITH ARCHITECT.
7. PROVIDE FACTORY FINISH ON ALL MECHANICAL GRILLES AND DIFFUSERS. PAINT ALL ACCESS PANELS TO MATCH ADJACENT SURFACES.
8. ALL AIR DIFFUSERS, RETURN AIR GRILLS AND THE LIKE ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND PLACEMENT IN PANEL CEILINGS. SEE MECHANICAL DRAWINGS FOR ACTUAL QUANTITIES. COORDINATE WITH ELECTRICAL AND MECHANICAL INFORMATION AND DETAILS.
9. HALFTONED SYMBOLS INDICATE ELEMENTS NOT INCLUDED IN TENANT SCOPE.
10. PROVIDED CONCEALED SPRINKLER HEADS WHERE LOCATED AT GYPSUM BOARD CEILINGS AND SEMI-RECESSED HEADS AT LAY-IN TILE.
11. PROVIDE NEW EXIT AND FIRE ALARM SIGNS PER BUILDING STANDARD, THROUGHOUT UNO.

Reflected Ceiling Plan Symbol Legend

- MECHANICAL DIFFUSER (SUPPLY)
- MECHANICAL DIFFUSER (RETURN)
- EXIT SIGN
- NEW GYPSUM BOARD CEILING
- NEW 2X4 ACOUSTICAL CEILING TILE
- 10'-10" — CEILING HEIGHT ABOVE FINISHED FLOOR
- ? — DPA FINISH MATERIAL TAG
- RECESSED DOWNLIGHT
- NEW 2X4 LIGHT FIXTURE

Reflected Ceiling Plan Keynotes

KEYNOTE LEGEND (RCP)

C01	EPT1 AT TOILET GYP. CEILINGS, TYP.

Plan General Notes

1. DOOR ASSEMBLIES IN INTERIOR PARTITIONS ARE 6" FROM FINISHED FACE OF ADJACENT PARTITION TO EDGE OF DOOR LEAF. UNLESS NOTED OTHERWISE.
2. PROVIDE FIRESTOPPING AND FIRE SEALS AT ALL PENETRATIONS THROUGH THE FIRE RATED ASSEMBLY. PROVIDE FIRE RATED SLIP JOINT AT ALL FIRE RATED WALL ASSEMBLIES.
3. DIMENSIONS ON ARCHITECTURAL DRAWINGS LOCCATING STRUCTUAL ELEMENTS ARE TO CENTER LINE OF COLUMNS AND BEAMS, U.N.O.
4. EXISTING WALLS IDENTIFIED WITH A NEW PARTITION IDENTIFIER INDICATES THAT THE EXISTING PARTITION IS TO BE IMPROVED IN ACCORDANCE WITH THE PARTITIONS TYPE INDICATED.
5. PROVIDE 6" WALL FRAMING AT ALL ELECTRICAL PANELS. THIS NOTE SUPERCEDES PARTITION IDENTIFIERS WITH CONFLICTING DESCRIPTION. EXTEND TO NEAREST INSIDE OR OUTSIDE CORNER. SEE ELECTRICAL DRAWINGS FOR LOCATIONS.
6. EXISTING ASSEMBLIES AND STRUCTURAL ELEMENTS FROM CORE AND SHELL CONSTRUCTION DOCUMENTS ARE SHOWN HALFTONED FOR REFERENCE ONLY.
7. ALL LOW VOLTAGE BY TENANT, CONTRACTOR TO PROVIDE EMPTY CONDUIT AND BACK BOXES AS REQUIERED PER ELECTRICAL DRAWINGS.
8. PATCH, REPAIR, & SKIM COAT ALL EXISTING WALLS FOR NEW FINISH.
9. FIRE EXTINGUISHER CABINETS ARE TO MATCH BUILDING STANDARD.
10. G.C. TO PROVIDE AN ALLOWANCE FOR A MOISTURE MITIGATION SYSTEM FOR ALL CONCRETE FLOORS THAT ARE TO RECIEVE NEW FLOORING.
11. FURNITURE INDICATED ON PLANS IS FOR REFERENCE ONY AND ARE NOT PROVIDED UNDER THE CONTRACT.
12. FURRING AROUND STRUCTURAL COLUMNS ARE TO BE INTERIOR PARTITIONS C/D UNLESS NOTED OTHERWISE.
13. PROVIDE IN-WALL STEEL TUBE COUNTERTOP SUPPORTS AT NEW LOCATIONS. RE: CASEWORK DETAILS.

Plan Legend

- EXISTING INTERIOR PARTITION WALL OR SHAFT WALL TO REMAIN. REFER TO LIFE SAFETY PLANS FOR EXTENT OF FIRE RATED AND SHAFT WALLS.
- NEW INTERIOR PARTITION WALL. REFER TO PARTITION SCHEDULE AND TYPES ON A-710 FOR CONSTRUCTION AND DETAILING.
- EXISTING DOOR TO REMAIN
- NEW DOOR

Plan Keynotes

KEYNOTE LEGEND (PER SHEET)

DAVIS PARTNERSHIP ARCHITECTS
2901 Blake Street, Suite 100
Denver, CO 80205
303.861.8555

Consultant(s)

Stamp

STATE OF COLORADO
J.D. DREYER
253337
08.10.22
LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
CONSTRUCTION PLANS - LEVEL TWO

Sheet Number:
A-102

DPA Project: 21086.01

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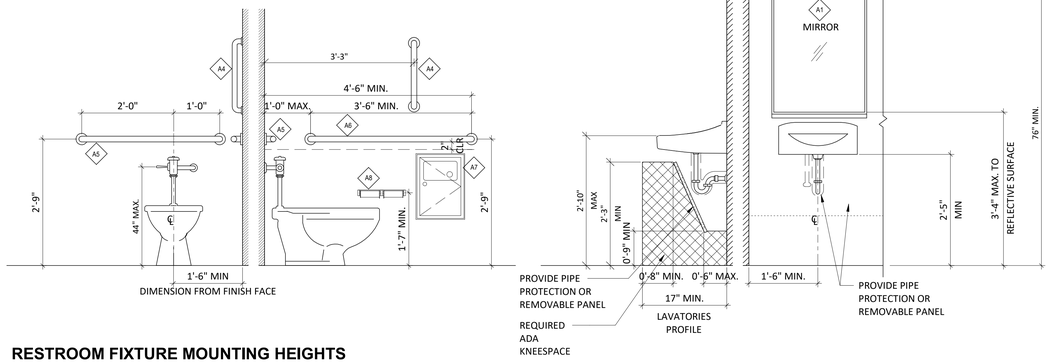
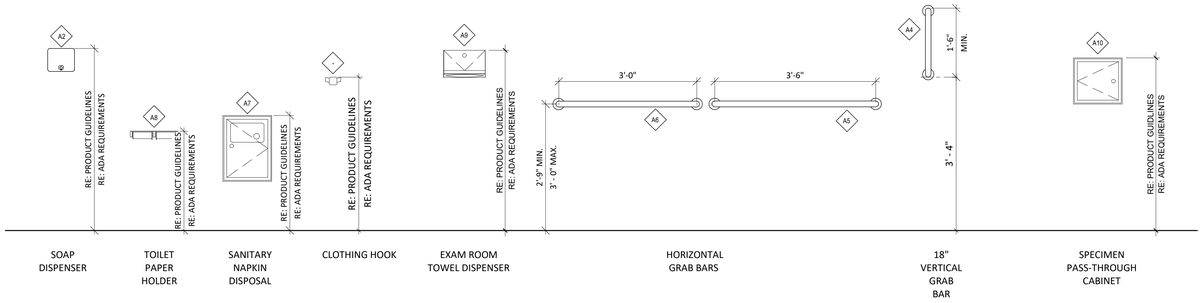


RESTROOM FIXTURE MOUNTING HEIGHTS



RESTROOM ACCESSORIES

ACCESSORY SCHEDULE

TYPE	DESCRIPTION	MFR.	MODEL	RESPONSIBILITY	COMMENTS
A1	CHANNEL FRAME MIRROR	BOBRICK			
A2	ClassicSeries® Surface-Mounted Soap Dispenser	BOBRICK	B-2111		
A3	36" GRAB BAR	BOBRICK			
A4	42" GRAB BAR	BOBRICK			
A5	Traditional 18in ADA compliant grab bar				
A6	DOUBLE-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-686		
A7	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-270		
A8	SURFACE MOUNTED CONVERTIBLE COMBINATION TOWEL AND WASTE UNIT	BOBRICK	B-3949		
A9	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-2621		
A10	SPECIMEN- PASS-THROUGH, ADA COMPLIANT	BOBRICK	B-505		

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

This plan was reviewed for adopted codes and NOT for compliance with **ADA** or **FHA** accessibility requirements. Contact 800-949-4232 (**ADA**) and 303-894-7822 x 325 (**FHA**) for federal accessibility requirements that apply to your project.

Install Plumbing Fixtures and toilet accessories **per chapter 6 ICC/ANSI A117.1 - 2 009**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

Interior Elevation General Notes

Casework Legend

CASEWORK TAG:



STYLE CODES:

BASE CABINETS:
B BASE CABINET WITH DOORS & DRAWERS
BC BASE CORNER CABINET WITH DOORS & DRAWERS
BD BASE CABINET WITH STACKED DRAWERS
BE BASE END CABINET WITH DOORS & DRAWERS
BF BASE FILE CABINET
BO OPEN BASE CABINET
BOD OPEN BASE CABINET WITH DRAWERS
BV BASE CABINET WITH VIAL DRAWERS
BWR WASTE RECEPTACLE CABINET WITH ROUND OPENING
BWS WASTE RECEPTACLE CABINET WITH SLOT OPENING
FS FILLER STIRPE

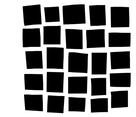
TALL CABINETS:
T TALL CABINET WITH SINGLE DOORS
TD TALL CABINET WITH DOUBLE (STACKED) DOORS
TDT TALL CABINET WITH DOORS ON TOP AND OPEN BOTTOM
TDB TALL CABINET WITH DOORS ON BOTTOM AND OPEN TOP
TM TALL MICROWAVE OVEN CABINET
TO OPEN TALL CABINET

SINK CABINETS:
SA SINK APRON WITHOUT SIDE PANELS
SAP SINK APRON WITH SIDE PANELS
SA-A SINK APRON WITH REMOVABLE ADA APRON
SAP-A SINK APRON WITH SIDE PANELS AND REMOVABLE ADA APRON
SB SINK BASE CABINET

WALL CABINETS:
W WALL CABINET WITH DOORS
WF WALL CABINET WITH FILE DIVIDERS
WM WALL MICROWAVE OVEN CABINET
WO OPEN WALL CABINET
FS FILLER STRIPE

Casework General Notes

1. REFER TO ELEVATIONS FOR DOOR, DRAWER, VALANCE, AND SHELF CONFIGURATIONS.
2. REFER TO INTERIOR FINISH DRAWINGS FOR FINISH INFORMATION.
3. VERIFY ALL GROMMET LOCATIONS WITH OWNER'S REPRESENTATIVE. COORDINATE ALL EQUIPMENT PLANS AND ELECTRICAL DOCUMENTS FOR LOCATION OF ALL REQUIRED GROMMETS.
4. FIELD VERIFY DIMENSIONS OF WALL LAYOUTS BEFORE FABRICATION OF CASEWORK.
5. PROVIDE FINISHED END PANELS AT ALL EXPOSED SIDES OF CASEWORK.
6. ALL SOLID SURFACE COUNTERTOPS TO HAVE EASED EDGE AND BE FINISHED ON ALL EXPOSED SIDES AND BOTTOM.



DAVIS PARTNERSHIP ARCHITECTS
2901 Blake Street, Suite 100
Denver, CO 80205
303.861.8555

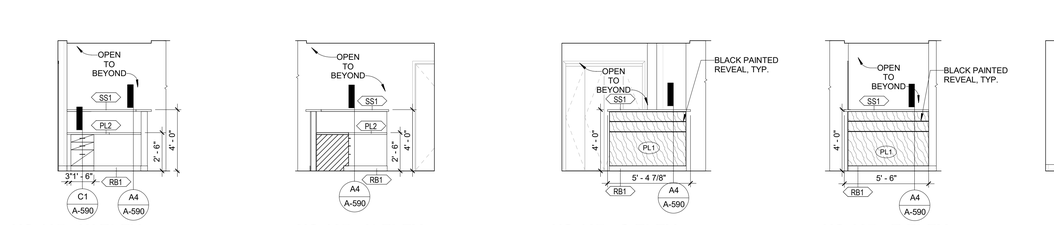
Consultant(s)

Stamp



Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.



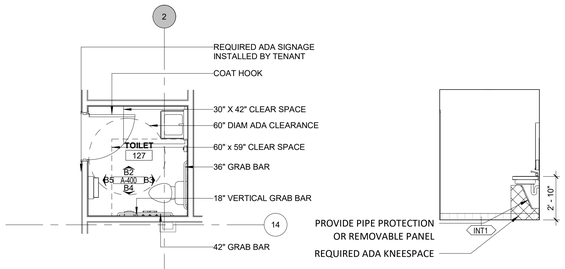
C1 **NS 107 - W ELEV.** 1/4" = 1'-0"

C2 **NS 107 - N ELEV.** 1/4" = 1'-0"

C3 **NS 107 - S ELEV.** 1/4" = 1'-0"

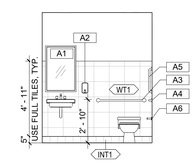
C4 **NS 107 - E ELEV.** 1/4" = 1'-0"

C5 **PROCEDURE 112 - E ELEV.** 1/4" = 1'-0"

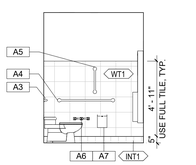


B1 **TOILET 127 - ENLARGED PLAN** 1/4" = 1'-0"

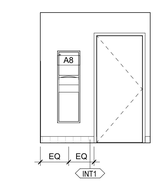
B2 **TOILET 127 - N ELEV.** 1/4" = 1'-0"



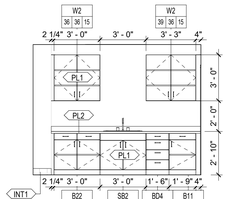
B3 **TOILET 127 - E ELEV.** 1/4" = 1'-0"



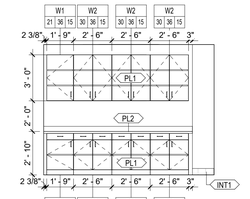
B4 **TOILET 127 - S ELEV.** 1/4" = 1'-0"



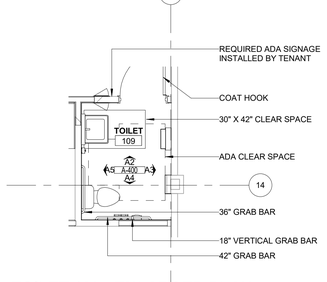
B5 **TOILET 127 - W ELEV.** 1/4" = 1'-0"



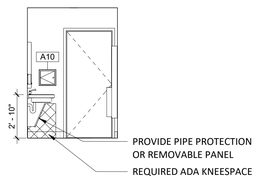
B6 **LAB 110 - E ELEV.** 1/4" = 1'-0"



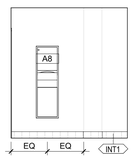
B7 **LAB 110 - W ELEV.** 1/4" = 1'-0"



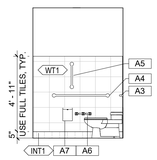
A1 **TOILET 109 - ENLARGED PLAN** 1/4" = 1'-0"



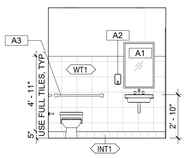
A2 **TOILET 109 - N ELEV.** 1/4" = 1'-0"



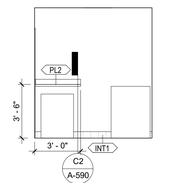
A3 **TOILET 109 - E ELEV.** 1/4" = 1'-0"



A4 **TOILET 109 - S ELEV.** 1/4" = 1'-0"



A5 **TOILET 109 - W ELEV.** 1/4" = 1'-0"



A6 **VACCINE 108 - E ELEV.** 1/4" = 1'-0"

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
ENLARGED PLANS, INTERIOR ELEVATIONS AND RENDERINGS

Sheet Number:
A-400

DPA Project: 21086.01

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8/9/2022 1:27:19 PM

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

SALES AND SERVICE COUNTERS AND WINDOWS SHALL COMPLY WITH SECTION **904.3, ICC/ANSI A117.1-2009** FOR ACCESSIBILITY REQUIREMENTS

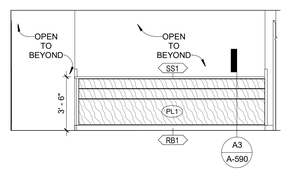
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2018 INTERNATIONAL CODES & 2020 NEC

C1 **WAITING ROOM 103 - W ELEV.**
1/4" = 1'-0"

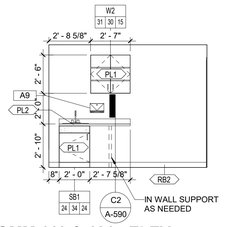
C2 **WAITING ROOM 103 - SW ELEV.**
1/4" = 1'-0"

C3 **CHECKOUT 105 - SW ELEV.**
1/4" = 1'-0"

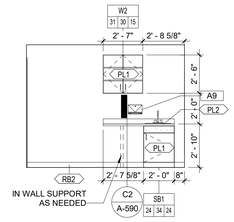
C4 **ULTRASOUND 133 - N ELEV.**
1/4" = 1'-0"



B1 **HALL 139 - S ELEV.**
1/4" = 1'-0"



B2 **OMM 119 & 121 - ELEV.**
1/4" = 1'-0"



B3 **OMM 120 - ELEV.**
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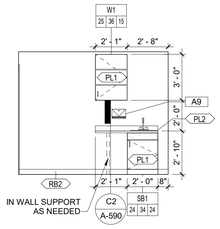
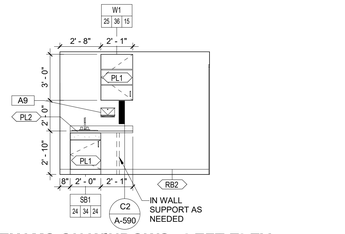


B4 **EXAM ON WINDOWS - RIGHT ELEV.**
1/4" = 1'-0"



B5 **EXAMS ON WINDOWS - LEFT ELEV.**
1/4" = 1'-0"

A1 **TYP. LOWER EXAMS - RIGHT ELEV.**
1/4" = 1'-0"

A2 **TYP. LOWER EXAMS - LEFT ELEV.**
1/4" = 1'-0"

A3 **NS 126 - N ELEV.**
1/4" = 1'-0"

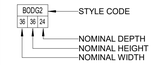
A4 **NS 126 - S ELEV.**
1/4" = 1'-0"

A5 **NS 126 - W ELEV.**
1/4" = 1'-0"

Interior Elevation General Notes

Casework Legend

CASEWORK TAG:



STYLE CODES:

BASE CABINETS:

B	BASE CABINET WITH DOORS & DRAWERS
BC	BASE CORNER CABINET WITH DOORS & DRAWERS
BD	BASE CABINET WITH STACKED DRAWERS
BE	BASE END CABINET WITH DOORS & DRAWERS
BF	BASE FILE CABINET
BO	OPEN BASE CABINET
BOD	OPEN BASE CABINET WITH DRAWERS
BV	BASE CABINET WITH VIAL DRAWERS
BWR	WASTE RECEPTACLE CABINET WITH ROUND OPENING
BWS	WASTE RECEPTACLE CABINET WITH SLOT OPENING
FS	FILLER STIRPE

TALL CABINETS:

T	TALL CABINET WITH SINGLE DOORS
TD	TALL CABINET WITH DOUBLE (STACKED) DOORS
TDT	TALL CABINET WITH DOORS ON TOP AND OPEN BOTTOM
TDB	TALL CABINET WITH DOORS ON BOTTOM AND OPEN TOP
TM	TALL MICROWAVE OVEN CABINET
TO	OPEN TALL CABINET

SINK CABINETS:

SA	SINK APRON WITHOUT SIDE PANELS
SAP	SINK APRON WITH SIDE PANELS
SA-A	SINK APRON WITH REMOVABLE ADA APRON
SAP-A	SINK APRON WITH SIDE PANELS AND REMOVABLE ADA APRON
SB	SINK BASE CABINET

WALL CABINETS:

W	WALL CABINET WITH DOORS
WF	WALL CABINET WITH FILE DIVIDERS
WM	WALL MICROWAVE OVEN CABINET
WO	OPEN WALL CABINET
FS	FILLER STRIPE

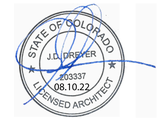
Casework General Notes

1. REFER TO ELEVATIONS FOR DOOR, DRAWER, VALANCE, AND SHELF CONFIGURATIONS.
2. REFER TO INTERIOR FINISH DRAWINGS FOR FINISH INFORMATION.
3. VERIFY ALL GROMMET LOCATIONS WITH OWNER'S REPRESENTATIVE. COORDINATE ALL EQUIPMENT PLANS AND ELECTRICAL DOCUMENTS FOR LOCATION OF ALL REQUIRED GROMMETS.
4. FIELD VERIFY DIMENSIONS OF WALL LAYOUTS BEFORE FABRICATION OF CASEWORK.
5. PROVIDE FINISHED END PANELS AT ALL EXPOSED SIDES OF CASEWORK.
6. ALL SOLID SURFACE COUNTERTOPS TO HAVE EASED EDGE AND BE FINISHED ON ALL EXPOSED SIDES AND BOTTOM.

DAVIS PARTNERSHIP ARCHITECTS
2901 Blake Street, Suite 100
Denver, CO 80205
303.861.8555

Consultant(s)

Stamp



Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
INTERIOR ELEVATIONS

Sheet Number:
A-401

DPA Project: 21086.01

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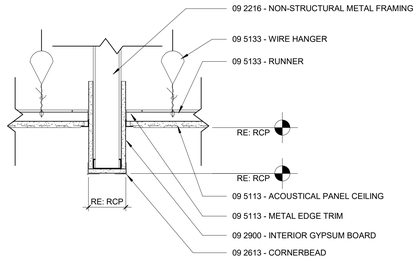
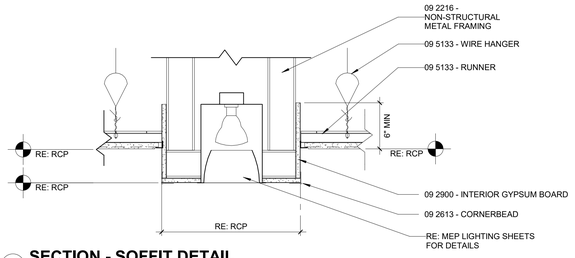
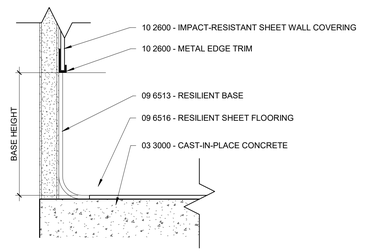
8/9/2022 12:01 PM



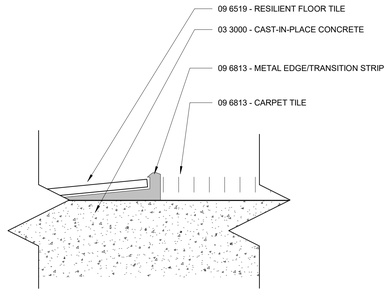
E1 SECTION - HEADER DETAIL
1 1/2" = 1'-0"



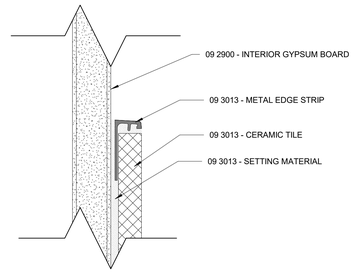
E2 SECTION - SOFFIT DETAIL
1 1/2" = 1'-0"



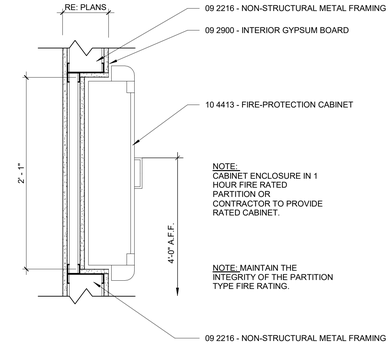
D1 DETAIL - TYP. INTEGRAL BASE
6" = 1'-0"



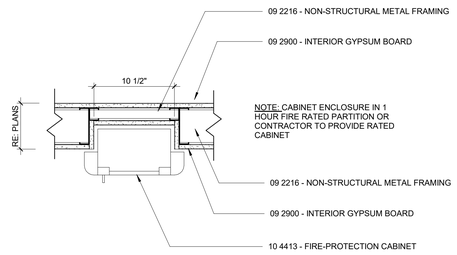
D2 DETAIL - LVT TO CARPET - FUSION TRANSITION STRIP
12" = 1'-0"



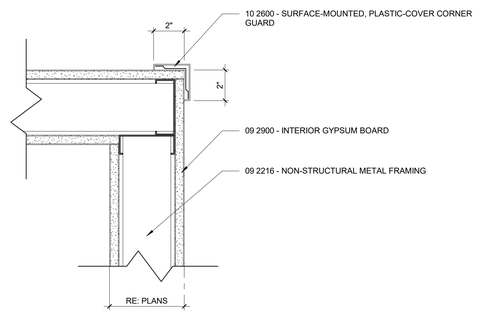
D3 DETAIL - OUTSIDE EDGE OF TILE - JOLLY
12" = 1'-0"



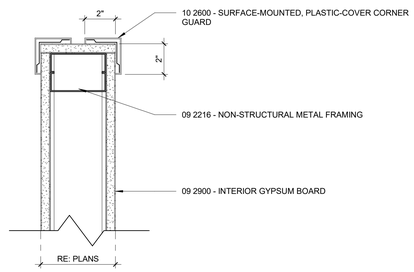
B1 SECTION - TYPICAL FEC - WALL
1 1/2" = 1'-0"



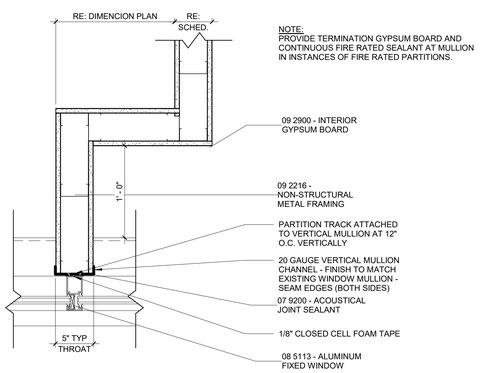
B2 DETAIL - TYPICAL FEC - PLAN
1 1/2" = 1'-0"



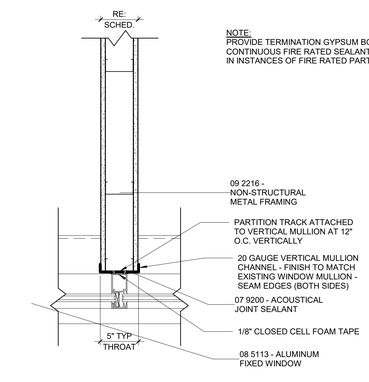
B4 SECTION - CORNER GUARD DETAIL - SINGLE
3" = 1'-0"



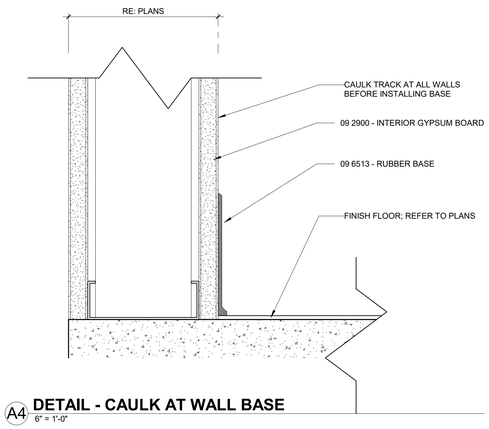
B5 SECTION - CORNER GUARD DETAIL - DOUBLE
3" = 1'-0"



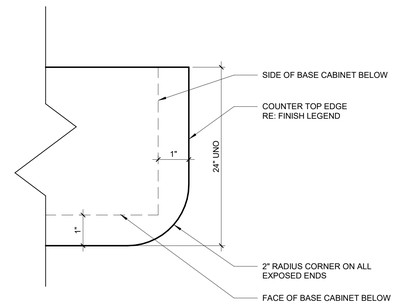
A1 WALL TO MULLION
1 1/2" = 1'-0"



A2 WALL TO MULLION - STRAIGHT
1 1/2" = 1'-0"



A4 DETAIL - CAULK AT WALL BASE
6" = 1'-0"



A5 DETAIL - RADIUS CORNER
6" = 1'-0"

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

DAVIS PARTNERSHIP ARCHITECTS
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STATE OF COLORADO
J.D. DREVER
203337
08.10.22
LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

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Sheet Title:
INTERIOR DETAILS

Sheet Number:
A-550

DPA Project: 21086.01

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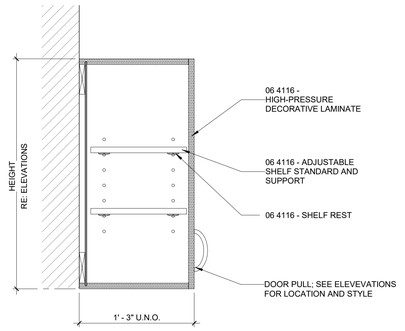
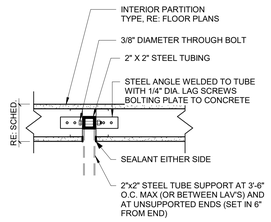
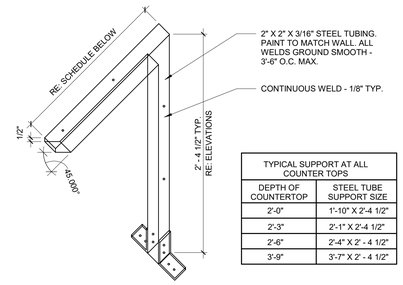


D1 **WALL - W1 / W2**
1 1/2" = 1'-0"



D2 **STEEL TUBE SUPPORT - PLAN**
1 1/2" = 1'-0"



TYPICAL SUPPORT AT ALL COUNTER TOPS	
DEPTH OF COUNTERTOP	STEEL TUBE SUPPORT SIZE
2'-0"	1'-10" X 2'-4 1/2"
2'-3"	2'-1" X 2'-4 1/2"
2'-6"	2'-4" X 2' - 4 1/2"
3'-9"	3'-7" X 2' - 4 1/2"

D3 **STEEL TUBE SUPPORT - ISOMETRIC**
1 1/2" = 1'-0"

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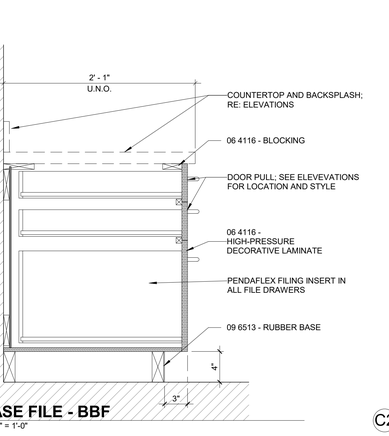
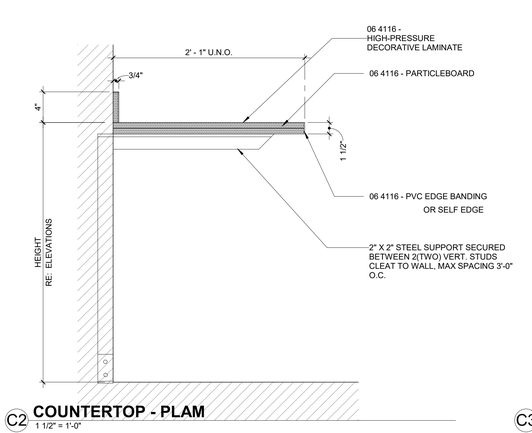
Install Plumbing Fixtures and toilet accessories **per chapter 6 ICC/ANSI A117.1 - 2 009**

SALES AND SERVICE COUNTERS AND WINDOWS SHALL COMPLY WITH SECTION **904.3, ICC/ANSI A117.1-2009** FOR ACCESSIBILITY REQUIREMENTS

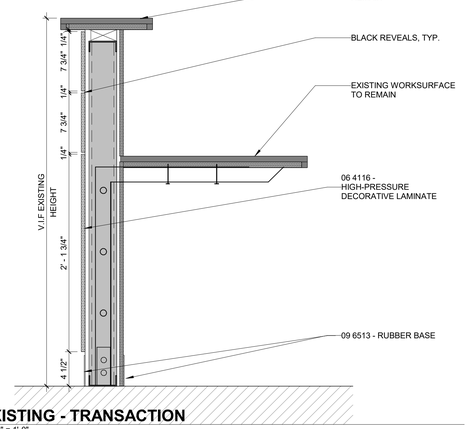
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC



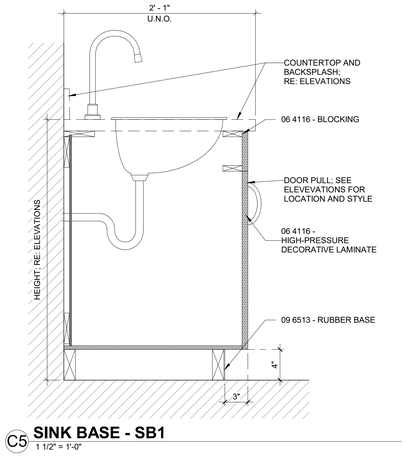
C1 **BASE FILE - BBF**
1 1/2" = 1'-0"



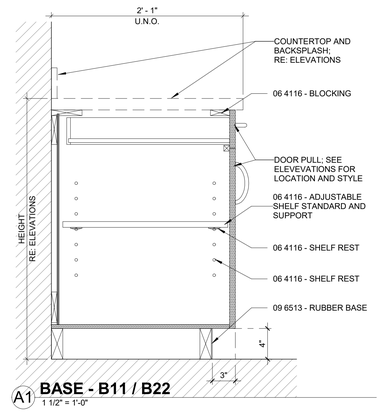
C2 **COUNTERTOP - PLAM**
1 1/2" = 1'-0"



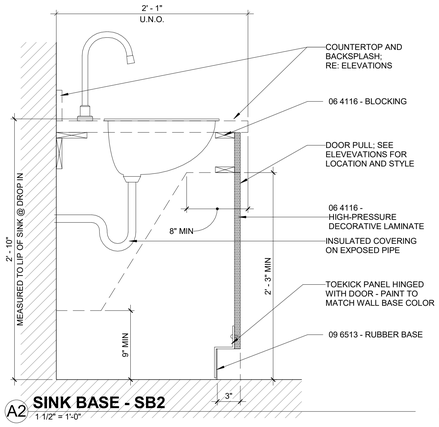
C3 **EXISTING - TRANSACTION**
1 1/2" = 1'-0"



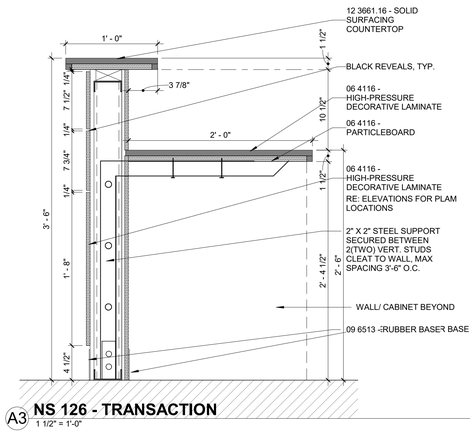
C5 **SINK BASE - SB1**
1 1/2" = 1'-0"



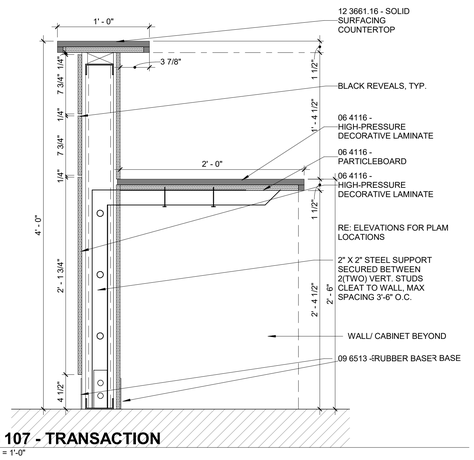
A1 **BASE - B11 / B22**
1 1/2" = 1'-0"



A2 **SINK BASE - SB2**
1 1/2" = 1'-0"



A3 **NS 126 - TRANSACTION**
1 1/2" = 1'-0"



A4 **NS 107 - TRANSACTION**
1 1/2" = 1'-0"

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Consultant(s)

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J.D. DREYER
203337
08.10.22
LICENSED ARCHITECT

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Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
CASEWORK TYPES AND DETAILS

Sheet Number:
A-590

DPA Project: 21086.01

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FINISH ABBREVIATIONS

ABBREVIATION	DESCRIPTION
CEILING FINISHES	
ACC	ACOUSTICAL CEILING CLOUD
ACT	ACOUSTICAL CEILING TILE
AMC	ACOUSTICAL METAL CEILING
AWC	ACOUSTICAL WOOD CEILING
EXP	EXPOSED
GYP	GYPSUM CEILING
PT	PAINT
RP (C)	RESIN PANEL
FLOOR FINISHES	
CF	CORK FLOORING
CPT	CARPET
FT	FLOOR TRANSITION
LN	LINOLEUM FLOORING
LVT	LUXURY VINYL TILE
LWF	LAMINATE WOOD FLOORING
MFT	METAL FLOOR TILE
PE	POURED EPOXY
PFT	PORCELAIN TILE
RF	RUBBER
SC	SEALED CONCRETE
SD	STATIC DISSIPATIVE
SFT	STONE FLOOR TILE
STC	STAINED CONCRETE
SV	SHEET VINYL
TZ	TERRAZZO
VCT	VINYL COMPOSITE TILE
WDF	WOOD FLOORING
MILLWORK FINISH	
CM	CROWN MOLDING
CTC	CONCRETE COUNTERTOP
ML	METAL LAMINATE
MT	METAL TRIM
MTL	METAL (SHEET GOODS)
PL	PLASTIC LAMINATE
QTZ	QUARTZ
RP (M)	RESIN PANEL
SP	SOLID PHENOLIC
SS	SOLID SURFACE
ST	STONE
STS	STAINLESS STEEL
UPF	UPHOLSTERY FABRIC
WDT	WOOD TRIM
MISCELLANEOUS	
(E)	EXISTING
CC	CUBICLE CURTAIN
CCT	CUBICLE CURTAIN TRACK
MPT	METAL PAINT
SHC	SHOWER CURTAIN
WDS	WOOD STAIN
WALL BASE FINISHES	
INT	INTEGRAL BASE
PTB	PORCELAIN TILE BASE
RB	RUBBER BASE
SSB	SOLID SURFACE BASE
STS	STAINLESS STEEL BASE
TZB	TERRAZO BASE
WB	WOOD BASE
WALL FINISHES	
AWP	ACOUSTICAL WALL P ANEL
BR	BRICK
CWT	CERAMIC WALL TILE
DWP	DECORATIVE WALL PANEL
GL	GLASS WALL
GWT	GLASS WALL TILE
MTL	METAL (SHEET GOODS)
MWT	METAL WALL TILE
PT	PAINT
PWT	PORCELAIN WALL TILE
RP (W)	RESIN PANEL
SS	SOLID SURFACE
ST	STONE
SWT	STONE WALL TILE
TS	TACKABLE SURFACE
UWP	UPHOLSTERED WALL PANEL
VWC	VINYL WALL COVERING
VWG	VINYL WALL GRAPHIC
WDV	WOOD VENEER
WALL GUARDS	
BG	BUMPER GUARD
CG	CORNER GUARD
CHR	CHAIR RAIL
CR	CRASH RAIL
FRP	FIBER REINFORCED PLASTIC WALL PANEL
HR	HAND RAIL
SWP	SHEET WALL PROTECTION
WINDOWS	
DG	DECORATIVE GLASS
DR	DRAPERY
FLM	WINDOW FILM
MB	MINI BLIND
RS	ROLLER SHADE

COMMON COORIDOR FINSIH SCHEDULE

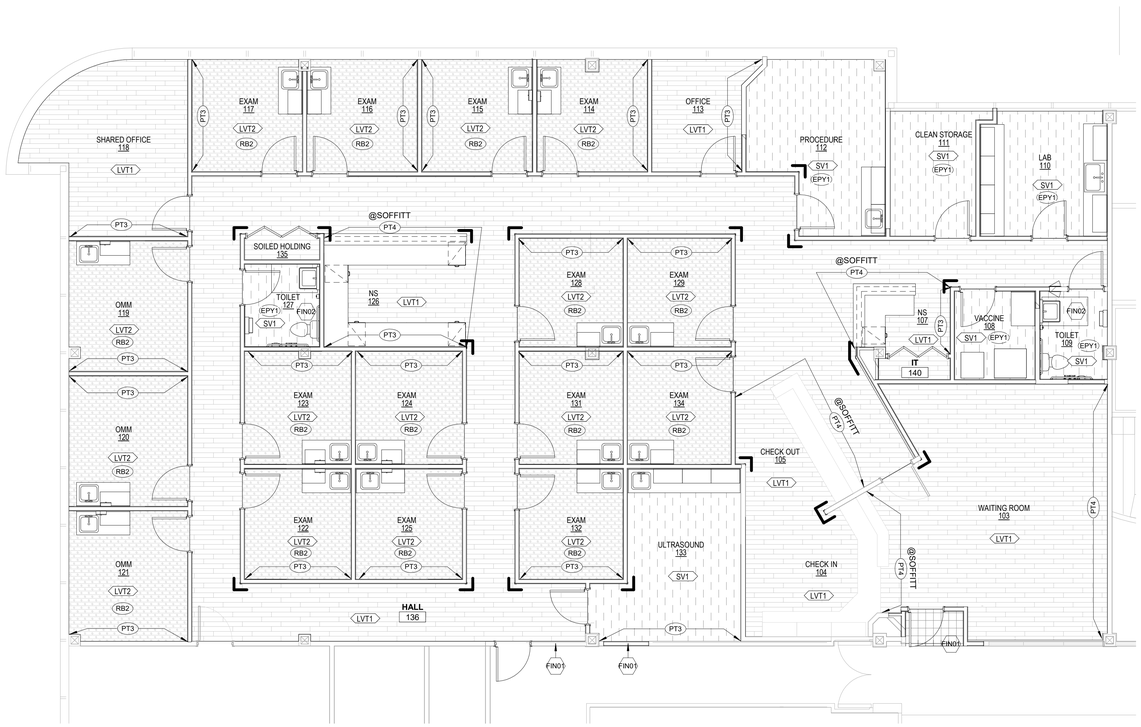
FINISH CODE	DESCRIPTION	MANUFACTURER	SERIES/PATTERN	COLOR	SIZE	REMARKS
CEILING FINISHES						
TGYP1	GYPSON BOARD	-	-	WHITE	-	
FLOOR FINISHES						
TCPT1	CARPET	MILLIKEN	VIEWFINDER	TILT VF215	19.6" X 19.6" TILES	FIELD CARPET COLOR COMMON CORRIDOR, INSTALL QUARTER TURN
MISCELLANEOUS						
TTR1	FLOOR TRANSITIONS	JOHNSONITE		GREY 48		
WALL BASE FINISHES						
TRB1	RUBBER BASE	JOHNSONITE	RUBBER COVER BASE	GREY 48	4"	

FINISH SCHEDULE

FINISH CODE	DESCRIPTION	MANUFACTURER	SERIES/PATTERN	COLOR	SIZE	COMMENTS
ALTERNATE						
PBT1	PORCELAIN WALL BASE	DALTILE	SCRIPTER	MENTOR AR62	6" X 24"	
PFT1	PORCELAIN FLOOR TILE	DALTILE	SCRIPTER	MENTOR AR62	12" X 24"	
CEILING FINISHES						
ACT1	ACOUSTICAL CEILING TILE	ARMSTRONG		WHITE	2 X 4	
GYP						
FLOOR FINISHES						
CPT1	CARPET	INTERFACE	OPEN AIR - 404	LINEN - 106753	19.6" X 19.6"	INSTALL: QUARTER TURN
LVT1	LUXURY VINYL TILE	MOHAWK	LIVING LOCAL WOOD	SILVER - 918	6" X 48"	STAGGARED JOINTS
LVT2	LUXURY VINYL TILE	MANNINGTON	DIVERGENT - FEN	CUMULUS - 13506	18" X 18"	
SV1	SHEET VINYL	MANNINGTON	DISCOVERY - UNLOCK	FORTUITY DC203	-	HEAT WELD SEAMS
MILLWORK FINISHES						
PL1	PLASTIC LAMINATE	FORMICA	-	INKED OAK - 5792-PG	-	NEW CABINET FRONTS
PL2	PLASTIC LAMINATE	WILSONART	-	SHADOW ZEPHYR - 4857-60	-	NEW WORK SURFACES
SS1	SOLID SURFACE	CORIAN	-	NEUTRAL CONCRETE	-	TRANSACTION TOPS
WALL BASE FINISHES						
INT1	INTEGRAL BASE	MANNINGTON	DISCOVERY - UNLOCK	FORTUITY DC203	5"	
RB1	RUBBER BASE	JOHNSONITE	RUBBER COVE BASE	TBD	4"	ALL LVT1 LOCATIONS
RB2	RUBBER BASE	JOHNSONITE	RUBBER COVE BASE	TBD	4"	ALL LVT2 LOCATIONS
WALL FINISHES						
EPY1	EPOXY PAINT	SHERWIN WILLIAMS	SW 7671	ON THE ROCKS	-	TOILET ROOMS, PROCEDURE AND LAB ROOMS
PT1	PAINT	SHERWIN WILLIAMS	SW 7671	ON THE ROCKS	-	FIELD PAINT
PT2	PAINT	SHERWIN WILLIAMS	SW 7671	ON THE ROCKS	-	DOOR FRAMES
PT3	PAINT	SHERWIN WILLIAMS	SW 6002	ESSENTIAL GRAY	-	ACCENT PAINT
PT4	PAINT	SHERWIN WILLIAMS	SW 7018	DOVETAIL	-	ACCENT PAINT
WT1	CERAMIC WALL TILE	DALTILE	COLOR WHEEL LINEAR	ARCHITECTURAL GRAY	4" X 12"	GROUT: TBD
WALL GUARDS						
CG1	CORNER GUARD	INPRO	130 OR 150 SURFACE MOUNT	GALA - 0380	4' H	ON ALL OUTSIDE CORNERS AS NOTED

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC



A2 **FINISH FLOOR PLAN - LEVEL 2 SUITE 250**
3/16" = 1'-0"

Finish Plan General Notes

A. ALL PAINT FINISHES TO BE SATIN: (2) COATS OVER (1) COAT PRIMER, U.N.O.

B. PAINT ALL HOLLOW METAL DOOR FRAMES. RE: FINISH SCHEDULE FOR COLOR. APPLICATION PER PAINT SPECIFICATION.

C. ALL PAINT TO BE LOW - VOC: LESS THEN 50 G/L FOR UNTINTED BASE.

D. ALL EXPOSED GRILLS, REGISTERS, DIFFUSERS AND ACCESS PANELS AT GYP LOCATION TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR, U.N.O.

E. ALL FLOOR FINISH CHANGES TO BE AT CENTER OF DOORWAYS U.N.O., NO SEAMS IN FRONT OF DOORWAYS.

F. ALL RUBBER REDUCER TRIPS AT FLOOR TRANSITIONS TO BE ADA PROFILE. COLOR TO MATCH RUBBER BASE.

G. ALL CEILING GRID WALL ANGLES TO BE SEALED AT WALL WHERE PAINT OCCURS.

H. ALL PAINT COLORS TO BE MOCKED-UP ON SITE ON ONE ENTIRE FULL HEIGHT WALL FOR OWNER APPROVAL PRIOR TO ORDERING PRODUCT.

I. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS. APPLY CORNER GUARDS STARTING AT THE TOP IF THE WALL BASE. U.N.O

J. SHEET WALL PROTECTION TO BE INSTALLED TO 48" ABOVE TOP OF BASE. PROVIDE SUBMITTAL FOR TENANT APPROVAL.

K. PROVIDE AND INSTALL ADA COMPLIANT SIGNAGE AS REQUIRED BY CODE FOR ALL ADA TOILET ROOMS AND SERVICE ROOMS.

L. ALL WALL - HUNG SHELVES TO BE MELAMINE.

M. ALL FINISHES MEET CLASS A FIRE RATING.

N. PROVIDE PAPER TOWEL DISPENSERS AT ALL SINK LOCATIONS.

O. ALL TENANT ENTRY DOOR FRAMES TO MATCH COORIDOR COLOR ON CORRIDOR SIDE.

P. ALL FURNITURE AND EQUIPMENT PROVIDED BY TENANT UNLESS NOTED OTHERWISE

Q. ALL BASE AND OVEREAD CABINETS TO BE PLASTIC LAMINATE, U.N.O.

R. ALL COUNTERTOPS TO BE PLASTIC LAMINATE, U.N.O. COUNTERS WITH SINKS SHALL HAVE 4" HIGH BACK SPLASH. PROVIDE GROMMET AS REQUIRED, COORDINATE LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

S. FEATHER FLOOR UNDER ALL RESILIENT FLOORING BRING FINISH FACE LEVEL WITH ADJACENT FLOORING; RE: FINISH TRANSITION DETAILS

PROVIDE FINISHES THAT COMPLY WITH AND MEET THE FLAME SPREAD RATING REQUIREMENTS FROM **SECTION 803 AND TABLE 803.13 OF THE 2021 INTERNATIONAL BUILDIGN CODE.**

Finish Symbol Legend

XX# — FINISH EXTENTS AT ACCENT WALL

XX# — FINISH MATERIAL TAG

LVT1/RB1

LVT2/RB1

SV1/INT1

TCPT1/TRB1

CORNER GUARD

Key Plan

KEYNOTE LEGEND (PER SHEET)

FIN01	MATCH COMMON CORRIDOR FINISHES
FIN02	ALTERNATE: FLOOR TILE WITH TILE BASE

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Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
FINISH PLAN, LEGEND AND NOTES

Sheet Number:
A-600

DPA Project: 21086.01

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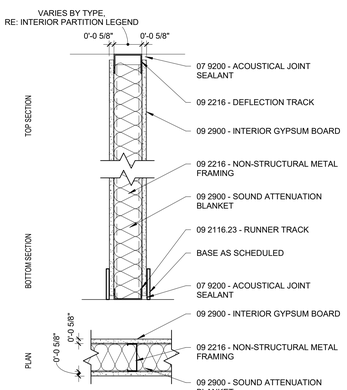
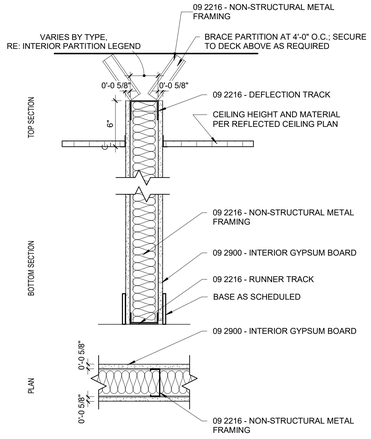
PARTITION TYPES SCHEDULE

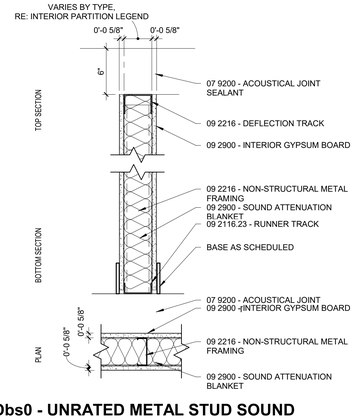
PARTITION TYPE	USE DESCRIPTION	PARTITION WIDTH	STRUCTURE	CONSTRUCTION DESCRIPTION	STC RATING
0					
Cf0	FURRING WALL	0'-3 1/8"	2-1/2" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD ONE SIDE	
Das0	PARTITION TO 6" ABOVE CEILING	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
Dbs0	PARTITION TO 6" BELOW STRUCTURE	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
Dd0s	PARTITION TO STRUCTURE	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
Dds0	PARTITION TO STRUCTURE	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
Dh0	PARTIAL HEIGHT PARTITION	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	



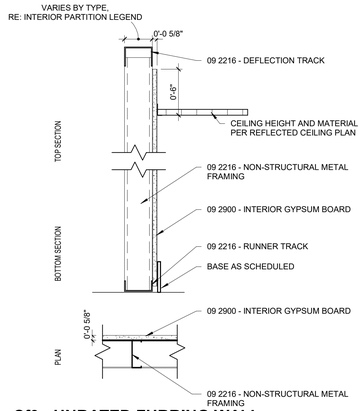
D1 Dds0 - UNRATED METAL STUD SOUND PARTITIONS
1 1/2" = 1'-0"



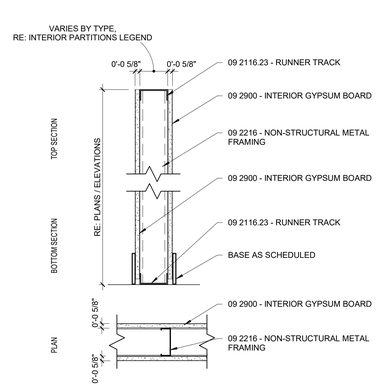
D2 Da0s - UNRATED METAL STUD PARTITIONS
1 1/2" = 1'-0"



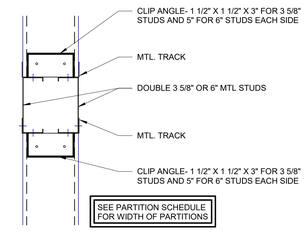
D3 Dbs0 - UNRATED METAL STUD SOUND PARTITIONS
1 1/2" = 1'-0"



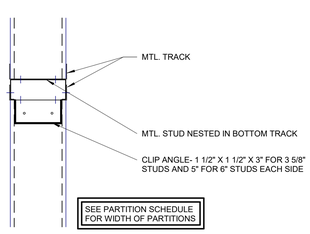
C1 Cf0 - UNRATED FURRING WALL
1 1/2" = 1'-0"



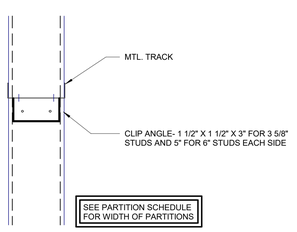
C2 Dh0 - UNRATED METAL STUD PARTITIONS
1 1/2" = 1'-0"



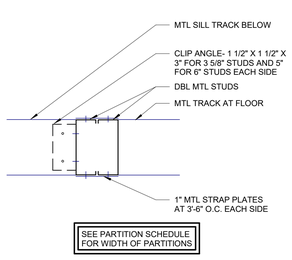
01 - DOUBLE DOOR / LARGE OPENING HEADER



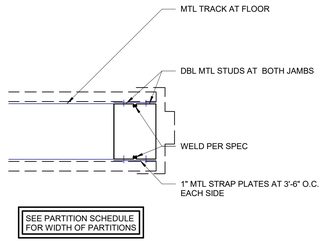
02 - DOOR OPENING HEADER



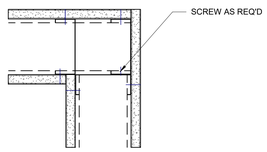
03 - OPENING HEADER



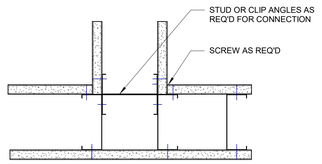
04 - LARGE OPENING JAMB STUDS



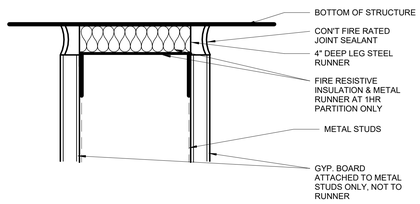
05 - DOOR OPENING JAMB STUDS



06 - CORNER FRAMING



07 - WALL INTERSECTION FRAMING



08 - SLIP JOINT DETAIL

PARTITION DETAILS

INTERIOR PARTITION TYPES

NAMING CONVENTION

STRUCTURE
- A 7/8" HAT CHANNEL
- B 1 5/8" STEEL STUD
- C 2 1/2" STEEL STUD
- D 3 5/8" STEEL STUD
- E 4" STEEL STUD
- F 6" STEEL STUD
- G 3 5/8" DOUBLE STEEL STUD
- J 2 1/2" C-H STEEL STUD
- K 4" C-H STEEL STUD
- L 6" C-H STEEL STUD
- M 2x4 WOOD STUD
- N 2x6 WOOD STUD
- P 4" CMU
- Q 6" CMU
- R 8" CMU
- S 12" CMU
- T 8" CAST-IN-PLACE CONCRETE
- V 12" CAST-IN-PLACE CONCRETE
- Y 18" CAST-IN-PLACE CONCRETE
- Z 1 1/2" Z-FURRING CHANNEL

SUB-TYPE
- a 6" ABOVE CEILING
- b UNDERSIDE OF STRUCTURE
- c UNDERSIDE OF CEILING
- d TO STRUCTURE
- f FURRING
- h PARTIAL HEIGHT
- k MRI SHIELDING
- m LEAD-LINED
- n LEAD-LINED SOUND PARTITION
- r BALLISTIC RESISTANT FIBERGLASS
- s SOUND PARTITION
- t THERMAL INSULATION
- u SOUND PARTITION WITH (2) LAYERS GYPSUM BOARD ONE SIDE (1) LAYER OTHER SIDE
- w SOUND PARTITION WITH (2) LAYERS GYPSUM BOARD EACH SIDE
- z TILE BACKER BOARD

FIRE RESISTANCE RATING
- 0 NON-RATED
- .5 1/2 HOUR
- 1 1 HOUR
- 2 2 HOUR
- 3 3 HOUR
- 4 4 HOUR

FIRE / SMOKE RATING MODIFIERS
- B FIRE BARRIER
- P FIRE PARTITION
- W FIRE WALL
- N INTERIOR LOAD BEARING FIRE RESISTANCE RATED WALL
- V SMOKE PARTITION
- X SMOKE BARRIER
- Y WALL RESISTING THE PASSAGE OF SMOKE

WALL TAG ANATOMY



- F = 6" METAL STUD
- n = LEAD-LINED SOUND PARTITION
- 2 = 2 HOUR FIRE RESISTANCE RATING
- P = FIRE PARTITION
- X = SMOKE BARRIER

GENERAL CONSTRUCTION AND LAYOUT NOTES
1. THE INTERIOR FRAMING SUBCONTRACTOR SHALL PROVIDE A DELEGATED ENGINEERED STUD DESIGN FOR ALL NON-STRUCTURAL METAL FRAMING FOR WALLS AND CEILINGS. SUBMIT FRAMING SHOP DRAWINGS WITH DETAILS, PRODUCT SELECTIONS, AND ENGINEERING CALCULATIONS STAMPED BY A LICENSED ENGINEER IN THE PROJECT JURISDICTION. ENGINEERING SHALL INCLUDE PROVISIONS FOR ELEMENTS ATTACHED TO/SUPPORTED BY THE FRAMING. FASTENER DESIGN AND SELECTION IS ALSO REQUIRED. SUBMIT ICC ES EVALUATION REPORTS FOR EACH FASTENER. USE OF DIMPLED OR PERFORMANCE ENCHANCED SHAPED STUDS IS ACCEPTABLE. UNLESS OTHERWISE INDICATED DESIGN FOR A MAXIMUM DEFLECTION OF L/240 AT 5 PSF. AT PARTITIONS TO RECEIVE CERAMIC TILE DESIGN FOR A MAXIMUM DEFLECTION OF L/360 AT 5 PSF.
2. ALL INTERIOR PARTITIONS ARE DIMENSIONED TO FINISHED FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.
3. ALL STUDS SHALL BE FULL HEIGHT TO UNDERSIDE OF STRUCTURE UNLESS INDICATED OTHERWISE BY PARTITION TYPE.
4. BOTTOM OF GYPSUM BOARD SHALL BE 1/4" TO 3/8" ABOVE FINISH FLOOR UNLESS OTHERWISE INDICATED.
5. OFFSET STUDS AS NECESSARY TO ALIGN OUTSIDE FACES OF GYPSUM BOARD AT ADJACENT WALL TYPES WITH VARYING LAYERS OF GYPSUM BOARD.
6. PROVIDE DEEP LEG TRACKS (3" FLANGE) AT HEAD OF PARTITIONS AT ALL NON-LOAD BEARING PARTITIONS FOR EACH CONDITION THAT ALLOW FOR 1" OF UPWARD MOVEMENT AND 1" OF DOWNWARD DYNAMIC MOVEMENT CAPABILITIES.
7. AT SLAB-ON-GRADE CONDITIONS PROVIDE DYNAMIC MOVEMENT REQUIREMENTS CALLED FOR IN THE GEOTECHNICAL INVESTIGATION (SOILS REPORT). IF NO GEOTECHNICAL INVESTIGATION EXISTS CONTACT THE ARCHITECT FOR DEFLECTION CRITERIA.
8. ALL PARTITION TYPES MARKED BY A "t" SUFFIX (IE. Dt0) SHALL BE INSTALLED WITH FULL HEIGHT AND WIDTH CONTINUOUS THERMAL INSULATION AND, IF INDICATED, CONTINUOUS VAPOR RETARDER.
9. PROVIDE GYPSUM BOARD CONTROL JOINTS PER ASTM C 840 UNLESS OTHERWISE INDICATED ON DRAWINGS.
10. PROVIDE FIRE BLOCKING AND DRAFT STOPS PER CODE.

RATED PARTITION NOTES
1. FIRE RATED ASSEMBLY CRITERIA TAKE PRECEDENT OVER ANY OTHER CONSTRUCTION CRITERIA.
2. REFERENCE LIFE SAFETY DRAWINGS FOR LOCATIONS OF FIREWALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE PARTITIONS, SMOKE BARRIERS, AND WALLS RESISTING THE PASSAGE OF SMOKE. COMPLY WITH IBC AND ANY OTHER APPLICABLE CODES FOR CONSTRUCTION REQUIREMENTS FOR EACH RATED PARTITION TYPE.
3. REFERENCE SPECIFICATION SECTION 07 8413 – 'PENETRATION FIRESTOPPING' FOR TREATMENT OF ANY PENETRATIONS THROUGH A FIRE RATED PARTITION.
4. REFERENCE SPECIFICATION SECTION 07 8443 – 'JOINT FIRESTOPPING' FOR TREATMENT OF TOP AND BOTTOM OF WALL JOINTS AND JOINTS TO ABUTTING CONSTRUCTION.
5. PROVIDE AND SUBMIT FOR APPROVAL U.L. RATED HEAD OF WALL ASSEMBLIES FOR EACH RATED PARTITION CONDITION THAT ALLOWS FOR THE DYNAMIC MOVEMENT INDICATED. IF ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ), OBTAIN ENGINEERING JUDGEMENTS FOR JOB SPECIFIC CONDITIONS NOT ADDRESSED BY TESTED ASSEMBLIES.
6. PROVIDE FIRE-RATED ACCESS DOORS AND FRAMES TO REACH DAMPERS OR CONTROL VALVES IN RATED PARTITIONS OR CEILING AS REQUIRED TO MAINTAIN RATING. PROVIDE NONRATED ACCESS DOORS AT NON RATED CONSTRUCTION.
7. WHERE DEVICES ARE RECESSED IN A FIRE RATED PARTITION PROVIDE: A.) DEVICE RATED FOR INSTALLATION IN RATED PARTITIONS, OR B.) CONSTRUCTION SUCH THAT FIRE RATING IS MAINTAINED BEHIND RECESSED DEVICE.
8. WHERE STRUCTURAL ITEMS SUCH AS HANGERS FOR STAIRS ARE EMBEDDED IN A RATED PARTITON CONSTRUCTION SHALL BE SUCH THAT FIRE RATING IS MAINTAINED BEHIND EMBEDDED ITEM.
9. MARKING AND IDENTIFICATION: FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE LABELED PER CODE.
10. PROVIDE SMOKE PARTITIONS TO LIMIT THE TRANSFER OF SMOKE. FILL JOINTS AND THE SPACE AROUND PENETRATING ITEMS SUCH AS DUCTS, PIPES, CONDUITS, AND SIMILAR BUILDING SERVICE EQUIPMENT WITH AN APPROVED MATERIAL TO LIMIT THE PASSAGE OF SMOKE.

SOUND PARTITION NOTES
1. ALL PARTITION TYPES WITH A SUB-TYPE DESIGNATING A "SOUND PARTITION" SHALL BE INSTALLED TO INCLUDE FULL HEIGHT AND WIDTH SOUND ATTENUATION BLANKETS (SAB) AND ACOUSTICAL JOINT SEALANT AT TOPS AND BOTTOMS OF ALL WALLS AND PENETRATIONS
2. PROVIDE ELECTRICAL OUTLET BARRIER PADS IN SOUND PARTITIONS.
3. STAGGER DEVICES THAT PENETRATE OPPOSING WALL SURFACES IN ADJACENT STUD CAVITIES.

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

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Consultant(s)

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STATE OF COLORADO
J.D. DRIVER
#53337
08.10.22
LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
INTERIOR PARTITON TYPES

Sheet Number:
A-710

DPA Project: 21086.01

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DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR PANEL							DOOR FRAME		LIFE SAFETY		HARDWARE SET	WALL WIDTH	REMARKS	REV.
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	GLAZING TYPE	TYPE	FINISH	FIRE RATING	CLEAR OPENING WIDTH				
LEVEL 2																
103	HALL	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	07	4 7/8"		
103A	WAITING ROOM	36"	96"	1 3/4"	F1	WD	ST	N/A	HM3	PT	0 Mins	33 1/8"	06	4 7/8"		
108	VACCINE	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	03	4 7/8"		
109	HALL	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	04	4 7/8"		
110	LAB	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	02	4 7/8"		
111	CLEAN STORAGE	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	08	4 7/8"		
112	PROCEDURE	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
113	OFFICE	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	05	4 7/8"		
114	HALL	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
115	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
116	HALL	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
117	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
118	SHARED OFFICE	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	05	4 7/8"		
119	OMM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
120	OMM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
121	OMM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
122	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
123	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
124	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
125	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
127	TOILET	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	04	4 7/8"		
128	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
129	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
131	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
132	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
133	ULTRASOUND	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
134	EXAM	36"	84"	1 3/4"	F1	WD	ST	N/A	HM1	PT	0 Mins	33 1/8"	01	4 7/8"		
135	SOILED HOLDING	72"	84"	1 3/4"	REC	WD	ST	N/A	CASED OPENING	PT	0 Mins	67 1/2"	BF-01	4 7/8"		
136	HALL	36"	96"	1 3/4"	F1	WD	ST	N/A	HM3	PT	0 Mins	33 1/8"	09	4 7/8"		
140	NS	60"	84"	1 3/4"	F2	WD	ST	N/A	CASED OPENING	PT	0 Mins	55 1/2"	BF-01	4 7/8"		

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Provide lever or other approved hardware on all new and relocated doors.
2009 ICC/ ANSI 117.1 309.4

Install Tempered or Safety Glazing at all Full Lite doors, and other locations as required by 2015 IBC, Section 2406

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

DOOR GENERAL NOTES

A. NUMBER INDICATED IN THE "REV" CORRESPONDS TO THE ISSUE/REVISION TAG NUMBER CONTAINED IN THE TITLEBLOCK.

B. REFER TO SPECIFICATIONS FOR DOOR HARDWARE TYPE DESCRIPTION

C. SMOKE AND DRAFT CONTROL DOORS

REFER TO IBC 2015:

710.5.2.2 SMOKE AND DRAFT-CONTROL DOORS. WHERE REQUIRED ELSEWHERE IN THE CODE, DOORS IN SMOKE PARTITIONS SHALL MEET THE REQUIREMENTS FOR A SMOKE AND DRAFT CONTROL DOOR ASSEMBLY TESTED IN ACCORDANCE WITH UL 1784. THE AIR LEAKAGE RATEOF THE DOOR ASSEMBLY SHALL NOT EXCEED 3.0 CUBIC FEET PER MINUTE PER SQUARE FOOT OF DOOR OPENING AT 0.10 INCH OF WATER FOR BOTH THE AMBIENT TEMPERATURE TEST AND THE ELEVATED TEMPERATURE EXPOSURE TEST. INSTALLATION OF SMOKE DOORS SHALL BE IN ACCORDANCE WITH NFPA 105.

710.5.2.3 SELF-CLOSING OR AUTIMATIC-CLOSING DOORS. WHERE REQUIRED ELSEWHERE IN THE CODE, DOORS IN SMOKE PARTITIONS SHALL BE SELF CLOSING OR AUTOMATIC - CLOSING BY SMOKE DETECTION IN ACCORDANCE WITH SECTION 716.5.9.3.

D. ALL DOORS TO BE UNDERCUT 5/8".

E. WOOD DOORS TO MATCH EXISTING. REFER TO SPECIFICATIONS.

F. EXIT DOORS SHOULD BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.

G. AT ALL SECONDARY EXIT DOORS A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND. SIGN BY TENANT

H. CONTRACTOR TO FIELD COORDINATE ALL ROUGH OPENINGS PRIOR TO ORDERING OR FABRICATING ANY FRAMES.

I. REFER TO PLANS FOR QUANTITIES AND LOCATIONS OF ALL DOORS AND WINDOWS.

DOOR PANEL TYPES

HM JAMB DETAILS

DOOR FRAME TYPES

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#03337
08.10.22
LICENSED ARCHITECT

Issuance	Date
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Project Information

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Aurora, CO 80012

Sheet Information

Sheet Title:
DOOR SCHEDULE, TYPES, AND DETAILS

Sheet Number:
A-720

DPA Project: 21086.01

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8/10/2022 8:51:37 AM

PLUMBING SPECIFICATIONS

ALL WETTED PARTS USED TO CONVEY WATER ANTICIPATED FOR HUMAN CONSUMPTION SHALL BE CERTIFIED LEAD–FREE IN COMPLIANCE WITH NSF/ANSI–372 OR NSF/ANSI 61G.

WATER PIPING ABOVE GRADE SHALL BE TYPE L, HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS SOLDERED WITH 95–5 TIN–ANTIMONY SOLDER OR BRAZED WITH SILVER BASED FILLER METAL. SDR9 CROSSLINKED POLYETHYLENE "PEX" TUBING MANUFACTURED IN ACCORDANCE WITH ASTM F876 AND ASTM F877 WITH COMPRESSION FITTINGS BY SAME MANUFACTURER AS TUBING MAY BE USED FOR RUN–OUTS TO INDIVIDUAL FIXTURES.

SHUT–OFF VALVES ARE TO BE BRONZE BALL VALVES, TWO PIECE OR UNI–BODY FULL PORT WITH CHROME PLATED BALL, REINFORCED TFE SEATS AND STUFFING BOX, LEVER HANDLE AND SCREWED OR SOLDER ENDS. 400 PSI W.O.G., 150 PSI SATURATED STEAM.

WATER PIPING SHALL BE TESTED WITH WATER AT 125 PSIG. TEST PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF 30 MINUTES WITH NO LOSS. DOMESTIC WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL HEALTH AND PLUMBING CODES.

ABOVE GRADE SOIL, WASTE, VENT AND STORM DRAIN PIPING SHALL BE NO–HUB, CAST IRON. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SOIL AND WASTE PIPING 2–1/2" AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND PIPING 3" AND LARGER SHALL BE SLOPED 1/8" PER FOOT UNLESS NOTED OTHERWISE ON DRAWINGS. STORM DRAIN PIPING SHALL BE SLOPED 1/8" PER FOOT UNLESS NOTED OTHERWISE ON DRAWINGS.

WALL CLEANOUTS FOR WASTE PIPING SHALL BE FURNISHED AND INSTALLED BELOW SINKS, LAVATORIES AND URINALS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE JURISDICTIONAL PLUMBING CODE. FLOOR/GRADE CLEANOUTS FOR WASTE PIPING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE JURISDICTIONAL PLUMBING CODE.

SOIL, WASTE, VENT AND STORM DRAIN PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE EQUIVALENT TO THE HIGHEST POINT AND 10' MINIMUM. THE SYSTEM OR PORTION THEREOF SHALL BE UNDER PRESSURE FOR A MINIMUM OF 15 MINUTES BEFORE INSPECTION.

EQUIPMENT AND CONDENSATE DRAINS SHALL BE TYPE M HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS. COPPER TUBING SHALL BE SOLDERED WITH 95–5 TIN–ANTIMONY SOLDER OR BRAZED WITH SILVER BASED FILLER MATERIAL.

DOMESTIC WATER AND STORM PIPING SHALL BE INSULATED WITH NONCOMBUSTIBLE, PREFORMED, FIBERGLASS, PIPE INSULATION WITH A CONDUCTIVITY (K–VALUE) LESS THAN 0.27 AT 75°F AND A FLAME SPREAD/ SMOKE DEVELOPED RATING OF 25/50 OR LESS. INSULATION SHALL HAVE A KRAFT REINFORCED FOIL VAPOR BARRIER WITH SELF–SEALING ADHESIVE JOINTS. INSULATION AT HANGERS AND CLAMPS SHALL BE OF HIGH DENSITY INSULATING MATERIAL. INSULATED PIPING EXPOSED TO VIEW SHALL BE COVERED AND FINISHED WITH A 30 MIL. THICK PVC JACKET.

PIPE INSULATION SCHEDULE
DOMESTIC COLD WATER COPPER PIPING = 1/2" THICK INSULATION
DOMESTIC HOT WATER SUPPLY PIPING (SMALLER THAN 1–1/2") = 1" THICK INSULATION
DOMESTIC HOT WATER RECIRC PIPING (SMALLER THAN 1–1/2") = 1" THICK INSULATION

* RUN–OUTS TO INDIVIDUAL FIXTURES DO NOT NEED TO BE INSULATED UNLESS PROVIDED WITH HEAT TRACE HOT WATER TEMPERATURE MAINTENANCE SYSTEM
** INSULATE FIRST 8 FEET OF HOT AND COLD WATER PIPING BETWEEN WATER HEATER AND HEAT TRAPS ON NON–RECIRCULATING SYSTEMS WITH 1" THICK INSULATION

WATER HAMMER ARRESTERS EQUAL TO SIOUX CHIEF HYDRA–RESTER SHALL BE FURNISHED AND INSTALLED ON HOT AND COLD WATER PIPING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS. WATER HAMMER ARRESTERS SHALL BE PDI CERTIFIED AND ANSI APPROVED.

PIPE HANGERS FOR INSULATED PIPE SIZES 1/2" TO 1–1/2" SHALL BE ADJUSTABLE, STEEL, BAND TYPE. PIPE HANGERS FOR INSULATED PIPE SIZES 2" AND OVER SHALL BE ADJUSTABLE, STEEL CLEVIS TYPE. SHIELDS SHALL BE USED WHERE HANGER SUPPORTS INSULATED PIPE. SHIELDS SHALL BE 18 GAGE GALVANIZED STEEL OVER INSULATION 180 DEGREES AND A MINIMUM OF 12 INCHES LONG. PIPE HANGERS FOR BARE PIPE SHALL BE ADJUSTABLE, MALLEABLE STEEL, SPLIT RING TYPE. BARE COPPER PIPE SHALL BE PROTECTED FROM CORROSION BY TRISOLATOR OR SIMILAR PRODUCT. HANGERS SHALL BE PROVIDED AT INTERVALS IN ACCORDANCE WITH THE JURISDICTIONAL PLUMBING CODE. PIPING SHALL BE PROVIDED WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH THE SMACNA SEISMIC RESTRAINT MANUAL – GUIDELINES FOR MECHANICAL SYSTEMS.

PENETRATIONS OF FIRE RATED WALLS OR FLOORS BY PIPE SHALL BE SEALED BY A FIRESTOPPING SYSTEM UL LISTED FOR THE APPLICATION. PENETRATION SEAL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH PRINTED INSTRUCTIONS OF THE UL FIRE RESISTANCE DIRECTORY AND MANUFACTURERS INSTRUCTIONS. FIRESTOPPING SYSTEM SHALL BE EQUAL TO 3M FIRE BARRIER. FIRESTOPPING MATERIAL SHALL BE CAULK OR PUTTY TYPE.

CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT PIPE SLEEVES FOR EXPOSED BARE PIPE.

GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE CODES, LOCAL CODES, AND OWNER'S STANDARDS INDICATED BY THE CONSTRUCTION DOCUMENTS.
2. PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
3. CONTRACTOR SHALL COORDINATE WORK INDICATED WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, CIVIL, AND ARCHITECTURAL DIVISIONS. CONTRACTOR SHALL VERIFY SIZE & LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK, COORDINATE WITH OTHER TRADES AND MAKE FINAL CONNECTION. VERIFY FIT OF PLUMBING SYSTEMS PRIOR TO FABRICATION. COORDINATE ALL CHASE, SLEEVE, AND SLAB BLOCK–OUT REQUIREMENTS BEFORE CONCRETE IS POURED OR BLOCK IS SET.
4. PROVIDE ALL EQUIPMENT SCHEDULED OR INDICATED ON THE DRAWINGS BUT NOT INCLUDED WITHIN THE SPECIFICATIONS INCLUDING ANY REQUIRED BUT NOT LISTED MISC ITEMS REQUIRED TO PROVIDE COMPLETE OPERATIONAL SYSTEMS AS INDICATED WHETHER SPECIFICALLY CALLED FOR OR NOT. INSTALLATION SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE SUBMITTALS FOR ALL PROPOSED FIXTURES, EQUIPMENT AND MATERIALS TO BE UTILIZED. PROVIDE OPERATION AND MAINTENANCE MANUAL FOR ALL SYSTEMS AND EQUIPMENT AT END OF PROJECT.
5. ELECTRICAL CHARACTERISTICS OF PLUMBING EQUIPMENT SHALL BE VERIFIED WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO EQUIPMENT ORDER RELEASE. ADDITIONAL ELECTRICAL WORK RESULTING FROM EQUIPMENT SUBSTITUTION IS THE RESPONSIBILITY OF THIS CONTRACTOR.
6. DRAIN PIPING FROM EQUIPMENT SHALL BE ROUTED SO AS NOT TO CREATE A TRIPPING HAZARD.
7. ITEM DESIGNATIONS INDICATED HEREON ARE FOR PURPOSES OF THESE DOCUMENTS ONLY. CONTRACTOR SHALL VERIFY WITH OWNERS REPRESENTATIVE ACTUAL "TAGGING" INFORMATION TO BE PROVIDED FOR EACH ITEM OF MECHANICAL EQUIPMENT PRIOR TO NAMEPLATE ORDER RELEASE.
8. PROVIDE CLEANOUTS WHERE INDICATED ON DRAWINGS OR AS REQUIRED BY JURISDICTIONAL PLUMBING CODE.
9. CLEAN, TEST, AND SANITIZE ALL PLUMBING IN ACCORDANCE WITH REQUIREMENTS OF JURISDICTIONAL PLUMBING AND HEALTH CODES.
10. WHERE PIPES PASS THROUGH FIRE–RATED FLOOR OR WALLS, SEAL WITH MATERIALS EQUAL TO 3M FIRE BARRIER, MEETING TESTING PER ASTM–E–814 (UL 1479). USE CAULK OR PUTTY TYPE. ALL EXTERIOR WALL AND ROOF PENETRATIONS SHALL BE SEALED WATERPROOF.
11. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED.
12. ALL EQUIPMENT, MATERIALS, AND INSTALLATION IS TO BE WARRANTEED FOR ONE YEAR TO BE FREE FROM DEFECT. PROVIDE WRITTEN WARRANTY TO OWNER.
13. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM HIS WORK.
14. THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ELECTRICAL CONDUIT, STRUCTURAL MEMBERS, ETC., PRIOR TO STARTING OF CONSTRUCTION. COORDINATE CONFLICTS WITH THE GENERAL CONTRACTOR.
15. THIS CONTRACTOR SHALL COORDINATE ALL REQUIRED EXISTING BUILDING SERVICE SYSTEM OUTAGES WITH BUILDING MANAGEMENT.
16. ALL PLUMBING SYSTEMS ARE REQUIRED TO BE INSTALLED PER BASE BUILDING REQUIREMENTS, LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
17. SAWCUT/CORE DRILL EXISTING FLOOR AS REQUIRED FOR INSTALLATION OR CAPPING OF WASTE AND VENT PIPING. PATCH AND REPAIR TO MATCH EXISTING.
18. PATCH AND REPAIR TO MATCH EXISTING, ANY WALL/CEILINGS TO BE ACCESSED TO ROUTE PIPING.
19. EXISTING PLUMBING AND EQUIPMENT TO REMAIN IS SHOWN LIGHT. NEW PLUMBING AND EQUIPMENT IS SHOWN HEAVY. EXISTING PLUMBING AND EQUIPMENT TO BE REMOVED IS SHOWN WITH A HATCH OVER THE ITEM.

SHEET INDEX

ISSUE: 08.18.22 BLDG DEPT COMM	08.10.22 CD ISSUE	SHEET NO.	SHEET DESCRIPTION
	●	P–001	PLUMBING COVER SHEET
	●	PD–102	DEMOLITION PLUMBING PLAN – LEVEL 2
	●	P–102	NEW WORK PLUMBING PLAN – LEVEL 2
●	●	P–301	PLUMBING SCHEDULES AND DETAILS

PLUMBING LEGEND

ABBR.	SYMBOL	DESCRIPTION
S OR W		SOIL, WASTE OR SEWER BELOW GRADE OR FLOOR
S OR W		SOIL, WASTE OR SEWER ABOVE GRADE OR FLOOR
FCO/GCO		FLOOR OR GRADE CLEANOUT
CO		CLEANOUT
V		VENT
CW		COLD WATER
HW		HOT WATER
HWR		HOT WATER RETURN
WHA		WATER HAMMER ARRESTOR
D		DRAIN
SOV		SHUT–OFF VALVE
TV		THROTTLING VALVE
CV		CONTROL VALVE
FD		FLOOR DRAIN
FS		FLOOR SINK
VTR		VENT THRU ROOF
MH		MANHOLE
FH		FIRE HYDRANT
AD		ACCESS DOOR
POC		POINT OF CONNECTION
CP		CHROME PLATED
TDH		TOTAL DYNAMIC HEAD
TP		TRAP PRIMER
TS		TEMPERING STATION
PC		PIPE CAP
AFF		ABOVE FINISHED FLOOR
AFG		ABOVE FINISHED GRADE
UNO		UNLESS NOTED OTHERWISE
AAV		AIR ADMITTANCE VALVE
E		EXISTING
N		NEW
R		RELOCATED
		POINT OF CONNECTION NEW TO EXISTING

This sheet of drawings has not been reviewed for code compliance.

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COLORADO LICENSED PROFESSIONAL ENGINEER 38463 MICHAEL J. MOEN PROFESSIONAL ENGINEER

AUGUST 18, 2024

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Project Information

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Sheet Information

Sheet Title:

PLUMBING COVER SHEET

Sheet Number:

P-001

MEC Project: 2022-080-01

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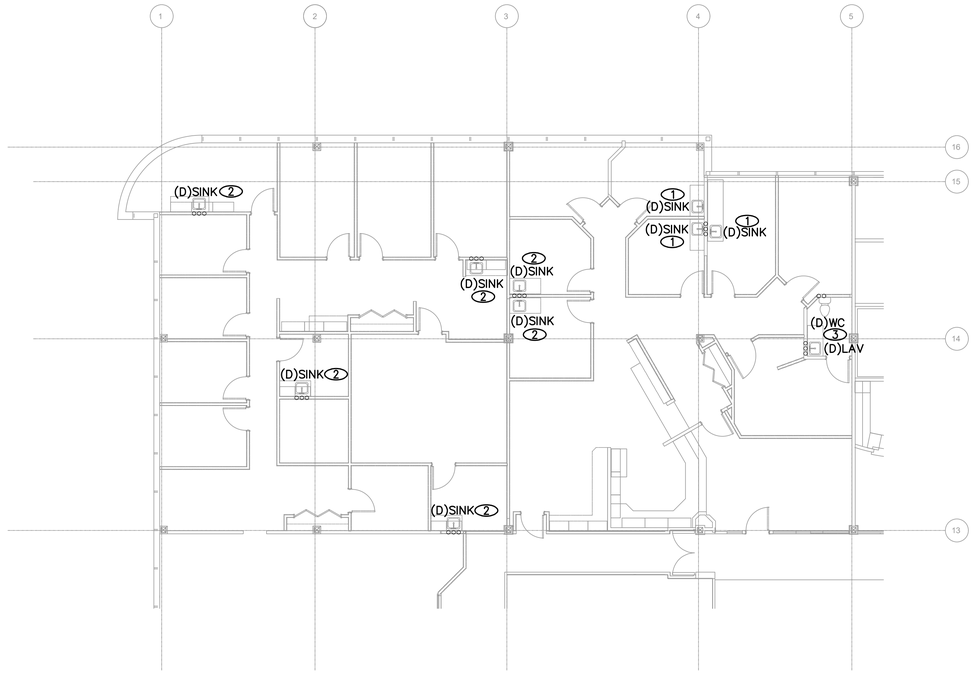
7/18/2022 9:40:09 AM

KEYNOTES

1. DEMO EXISTING SINK. CAP HW, CW AND W ROUGH-INS INSIDE WALL.
2. DEMO EXISTING SINK. DEMO HW, CW W AND V PIPES BACK TO MAINS AND CAP.
3. DEMO EXISTING LAVATORY AND WATER CLOSET. CAP HW, CW AND V ROUGH-INS ABOVE CEILING AND W PIPE BELOW FLOOR.



DEMOLITION PLUMBING PLAN - LEVEL 2

1/8" = 1'-0"

1 PD-102

This sheet of drawings has not been reviewed for code compliance.

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Aurora, CO 80012

Sheet Information

Sheet Title:

DEMOLITION PLUMBING PLAN LEVEL 2

Sheet Number:

PD-102

MEC Project: 2022-080-01

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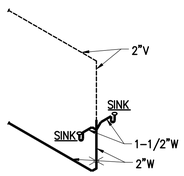
NOTES

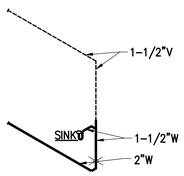
1. PROVIDE AND INSTALL NEW SINK. ROUGH–IN AND CONNECT HW, CW, W AND V PER CONNECTION SCHEDULE ON SHEET P–301. EXTEND PIPES BACK TO 3/4"HW, 3/4"CW, 2"W AND 2"V OR LARGER AND CONNECT.
2. PROVIDE AND INSTALL NEW SINK. MODIFY AND EXTEND EXISTING HW, CW AND W ROUGH–INS TO MAKE CONNECTION IN NEW LOCATION.
3. PROVIDE AND INSTALL NEW LAVATORY. ROUGH–IN AND CONNECT HW, CW, W AND V PER CONNECTION SCHEDULE ON SHEET P–301. EXTEND PIPES BACK TO 3/4"HW, 3/4"CW, 2"W AND 2"V OR LARGER AND CONNECT.
4. PROVIDE AND INSTALL NEW LAVATORY. MODIFY AND EXTEND EXISTING HW, CW AND W ROUGH–INS TO MAKE CONNECTION IN NEW LOCATION.
5. PROVIDE AND INSTALL NEW WATER CLOSET. ROUGH–IN AND CONNECT CW, AND W PER CONNECTION SCHEDULE ON SHEET P–301. EXTEND PIPES BACK TO 3/4"CW, AND 4"W OR LARGER AND CONNECT.
6. PROVIDE AND INSTALL NEW WATER CLOSET. MODIFY AND EXTEND EXISTING CW AND W ROUGH–INS TO MAKE CONNECTION IN NEW LOCATION.
7. ROUTE 3/4"HW AND 3/4" CW DOWN IN WALL TO FULL SIZED HEADERS. ROUGH–IN AND CONNECT SINKS AS NOTED.

NOTES:
- ALL HW, HWR, AND CW PIPING TO BE 3/4" OR FINAL FIXTURE CONNECTION SIZE UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL PLANS FOR EXACT PLUMBING FIXTURE LOCATIONS.
- NO WATER PIPING IS TO BE ROUTED IN EXTERIOR WALLS. PIPING TO BE ROUTED ON HEATED SIDE OF INSULATED WALLS.

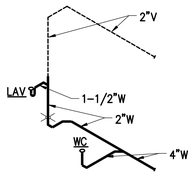
The dry vent must rise 6" vertically above the flood level rim of the highest trapped fixture being vented.
2015 IPC 905.4



BACK TO BACK SINKS



SINK



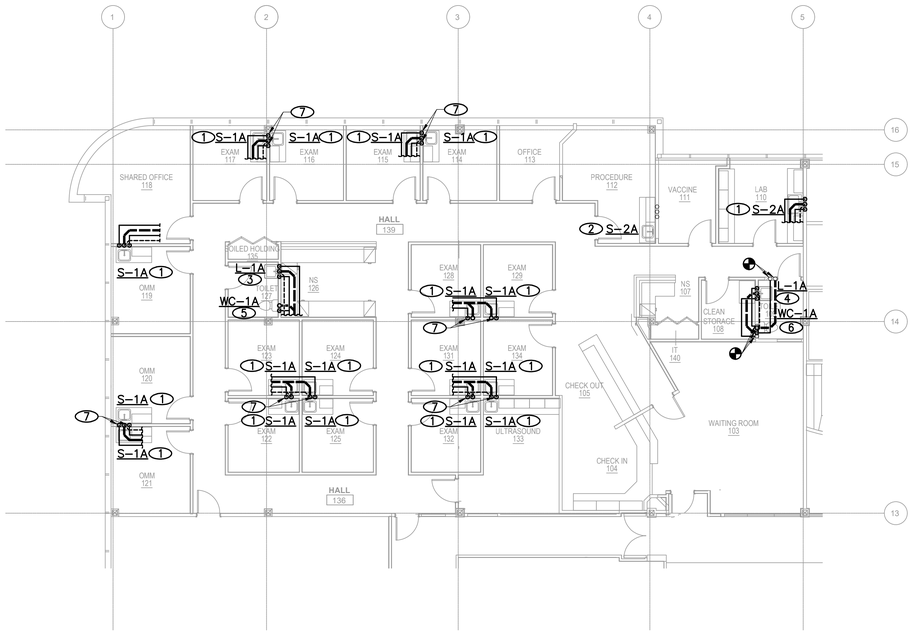
TOILET 127

Provide drains no smaller than allowed by **2015 IPC 709.1 and 710.1(1)**

WASTE AND VENT ISOMETRICS

N.T.S.

2 P–102



NEW WORK PLUMBING PLAN - LEVEL 2

1/8" = 1'–0"

1 P–102

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation. 2015 IBC 105.4.

This work must also comply with **2015 IECC.**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Aug 24, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

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NEW WORK PLUMBING PLAN LEVEL 2

Sheet Number:

P-102

MEC Project: 2022-080-01

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7/15/2022 9:40:49 AM

This plan was reviewed for adopted codes and **NOT** for compliance with **ADA** or **FHA** accessibility requirements. Contact 800-949-4232 (**ADA**) and 303-894-7822 x 325 (**FHA**) for federal accessibility requirements that apply to your project.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MFR/MODEL	ROUGH-IN (INCHES) HW	CW	V	TRAP	S/W	NOTES

WC-1A	ADA COMPLIANT FLOOR SET FLUSH TANK TYPE CLOSE COUPLED TOILET WITH LOW CONSUMPTION 1.28 GPF WATERSENSE CERTIFIED SIPHON JET FLUSHING ACTION, ELONGATED BOWL, BOLT DOWN LOCKING TANK LID, GLAZED TRAPWAY. PROVIDE CHROME PLATED 1/2" NOM. COMP. X 3/8" NOM. COMP. ANGLE STOP AND SEAMLESS CHROME PLATED COPPER TUBE WATER SUPPLY WITH CHROME PLATED (1) PIECE SET SCREW TYPE CHROME PLATED BRASS ESCUTCHEON AT WALL PENETRATION. PROVIDE OPEN FRONT WHITE SEAT LESS COVER WITH SELF SUSTAINING CHECK HINGE. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	TOILET = TOTO #CST744ELB OR EQUAL BY AMER. STD., KOHLER, CRANE
		SEAT = TOTO #SC534-01 OR EQUAL BY OLSONITE, BENEKE, CHURCH, BEMIS, CENTOCO
			--	1/2	2	--	4	FLOOR MOUNTED WITH WAX OR NEOPRENE CLOSET RING. SET WITH PLASTER OF PARIS AND WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE FLOOR AND THE FIXTURE BASE WITH "COVED" FINISHING. ADA WATER CLOSET TANKS ARE TO BE PROVIDED WITH LEFT OR RIGHT HAND TRIP LEVERS AS REQUIRED TO ALLOW FOR TRIP LEVERS ARE TO BE INSTALLED TO WIDE SIDE OF ADA TOILET STALL.

L-1A	ADA COMPLIANT 20"X18" VITREOUS CHINA WALL HUNG LAVATORY SINK WITH HOLE DRILLINGS TO MEET FAUCET SPECIFICATIONS. PROVIDE CHROME PLATED BRASS PERFORATED GRID DRAIN WITH ADA WHEELCHAIR OFFSET DRAIN, CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES, CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLIES, (1) PIECE SET SCREW TYPE CHROME PLATED CAST BRASS ESCUTCHEONS AT WALL PENETRATIONS, AND WALL SUPPORT SYSTEM WITH CONCEALED ARM SUPPORTS, WELDED FEET, RECTANGULAR STEEL UPRIGHTS, AND MOUNTING FASTENERS. FAUCET TO BE BATTERY POWERED IR SENSOR ACTIVATED UNIT OF CHROME PLATED CAST BRASS CONSTRUCTION WITH 0.50 GPM VANDAL RESISTANT AERATOR AND CERAMIC DISK CARTRIDGE TYPE VALVE WITH OPTIONAL MIXING VALVE. PROVIDE ASSE 1070 MIXING VALVE BELOW LAVATORY SET AT 105 DEG F DISCHARGE TEMP. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	LAVATORY = ZURN #Z5341 OR EQUAL BY TOTO, KOHLER, CRANE , AMER STD
		FAUCET = ZURN #Z6930-XL-F OR EQUAL BY KOHLER, DELTA, SYMMONS, CHICAGO
		MIXING VALVE = LEONARD #170-LF OR EQUAL BY WATTS, SYMMONS, POWERS, WILKINS, ZURN
		DRAIN = DEARBORN BRASS #760W-1 OR EQUAL BY BRASSCRAFT, KOHLER, AMER. STD., DELTA, CHICAGO, T&S BRASS, PROFLO
		TRAP AND SUPPLY INSULATION = TRUEBRO #103 E-Z OR EQUAL BY BROCAR, PROFLO
		CARRIER = ZURN #Z1231 OR EQUAL BY JOSAM, J.R. SMITH, WADE, MIFAB
			1/2	1/2	1 1/2	1 1/4	1 1/2	BATTERY POWERED FAUCET
								INSTALL MIXING VALVE ON WALL BELOW LAVATORY. CONNECT 3/8"HW AND 3/8"CW TO MIXING VALVE, EXTEND 3/8" TEMPERED WATER FROM MIXING VALVE TO FAUCET HOT WATER INLET.

S-1A	ADA COMPLIANT APPROVED 15" WIDE X 17-1/2" LONG X 6" DEEP SINGLE COMPARTMENT SELF RIMMING SINK CONSTRUCTED OF 18 GAUGE SOUND DAMPENED STAINLESS STEEL WITH HOLE DRILLINGS TO MEET FAUCET SPECIFICATIONS. PROVIDE CHROME PLATED BRASS STRAINER, CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES, CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLIES, AND (1) PIECE SET SCREW TYPE CHROME PLATED CAST BRASS ESCUTCHEONS AT WALL PENETRATIONS. FAUCET TO BE OF CHROME PLATED CAST BRASS CONSTRUCTION WITH 1.5 GPM AERATOR AND CERAMIC DISK CARTRIDGE TYPE VALVE. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	SINK = ELKAY #LRAD1517 OR EQUAL BY JUST, MOEN, KINDRED, KOHLER
		FAUCET = AMER. STD. #2475F OR EQUAL BY KOHLER, DELTA, SYMMONS, CHICAGO
		STRAINER = ELKAY #LKAD18 OR EQUAL BY JUST, BRASSCRAFT, DEARBORN BRASS, KOHLER, AMER. STD., DELTA, CHICAGO, T&S BRASS, PROFLO
		TRAP AND SUPPLY INSULATION = TRUEBRO #102-E-Z & #402W OR EQUAL BY BROCAR, PROFLO
			1/2	1/2	1 1/2	1 1/2	1 1/2	

S-2A	ADA COMPLIANT APPROVED 22" WIDE X 19" LONG X 6-1/2" DEEP SINGLE COMPARTMENT SELF RIMMING SINK CONSTRUCTED OF 18 GAUGE SOUND DAMPENED STAINLESS STEEL WITH HOLE DRILLINGS TO MEET FAUCET SPECIFICATIONS. PROVIDE STAINLESS STEEL BASKET STRAINER, CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES, CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLIES, AND (1) PIECE SET SCREW TYPE CHROME PLATED CAST BRASS ESCUTCHEONS AT WALL PENETRATIONS. FAUCET TO BE OF CHROME PLATED GOOSENECK CAST BRASS CONSTRUCTION WITH 2.2 GPM VANDAL RESISTANT AERATOR AND CERAMIC DISK CARTRIDGE TYPE VALVE AND HAND SPRAYER. PROVIDE EMERGENCY EYEWASH WITH THERMOSTATIC SHUT-OFF TO PROTECT AGAINST HIGH TEMPERATURE DISCHARGE. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	SINK = ELKAY #LRAD-2219R OR EQUAL BY JUST, MOEN
		FAUCET = AMER. STD. #4275.551 OR EQUAL BY KOHLER, DELTA, SYMMONS, CHICAGO
		STRAINER = ELKAY #LK35L OR EQUAL BY BRASSCRAFT, DEARBORN BRASS, KOHLER, AMER. STD., DELTA, CHICAGO, T&S BRASS, PROFLO
		TRAP AND SUPPLY INSULATION = TRUEBRO #102-E-Z & #402W OR EQUAL BY BROCAR, PROFLO
		EYEWASH = HAWS, AXIOM #7620 OR EQUAL
			1/2	1/2	1 1/2	1 1/2	1 1/2	

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Aug 24, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

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REGISTERED
38463
PROFESSIONAL ENGINEER

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Sheet Information

Sheet Title:

PLUMBING SCHEDULES AND DETAILS

Sheet Number:

P-301

MEC Project: 2022-080-01

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7/13/2022 9:45:49 AM

MECHANICAL SPECIFICATIONS

SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL PER SMACNA DUCT CONSTRUCTION STANDARDS. SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE CONSTRUCTED FOR 3" W.C. STATIC PRESSURE UPSTREAM OF VAV BOX 1" DOWNSTREAM OF VAV BOX. SPIRAL LOCK-FORMED ROUND DUCT MAY BE UTILIZED WHERE SPACE ALLOWS. TRANSVERSE JOINTS AND LONGITUDINAL SEAMS SHALL BE SEALED AIR-TIGHT WITH MASTIC, MASTIC SHALL BE APPLIED ONLY TO THE INSIDE OF EXPOSED DUCTWORK. RADIUSED ELBOWS (R/D=1.5) OR MITERED ELBOWS WITH SINGLE THICKNESS TURNING VANES SHALL BE UTILIZED WHERE POSSIBLE. TURNING VANES SHALL BE SUPPORTED AT INTERVALS OF 36" MAXIMUM. TURNING VANE RUNNERS SHALL HAVE A VANE IN EVERY SLOT AND SHALL CONFORM TO SMACNA DUCT CONSTRUCTION STANDARDS FOR STANDARD SPACING.

INSULATED, FACTORY FABRICATED, FLEXIBLE DUCTWORK MAY BE UTILIZED AT RUNOUTS TO AIR DIFFUSERS WHERE DUCTWORK IS CONCEALED ABOVE CEILINGS. FLEXIBLE DUCTWORK SHALL CONSIST OF AN EXTERIOR REINFORCED LAMINATED VAPOR BARRIER, R-6.0 MINIMUM FIBERGLASS INSULATION AND INTERIOR VINYL LINER WITH SPRING STEEL WIRE HELIX. VINYL LINER SHALL NOT BE PERFORATED. FLEXIBLE DUCT ASSEMBLY SHALL HAVE A FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 OR LESS. FLEXIBLE DUCT TO FLEXIBLE DUCT CONNECTIONS SHALL BE MADE WITH FACTORY FABRICATED STEEL COLLARS. FLEXIBLE DUCT SHALL BE SECURED TO RIGID DUCTWORK AND AIR DEVICES WITH SCREWS AND DRAWBANDS. LENGTH OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO 5' AND SHALL NOT BE COMPRESSED. FLEXIBLE DUCTWORK SHALL NOT BE USED FOR ELBOWS. FLEXIBLE DUCT SHALL NOT BE USED ABOVE INACCESSIBLE CEILINGS. FLEXIBLE DUCT SHALL NOT PASS THROUGH WALLS.

ALL SUPPLY AND RETURN RECTANGULAR DUCTWORK SHALL BE PROVIDED WITH DUCT LINER (INSIDE THE DUCT): ONE INCH THICK, RESIN BONDED GLASS FIBER, IMMOBILIZED, EPA-REGISTERED ANTIMICROBIAL AGENT COATING ON AIR STREAM SURFACE, RATED BY MANUFACTURER FOR AT LEAST 4000 FPM AND MEETING THE REQUIREMENTS OF ASTM C1071 TYPE I. FIRE RESISTANCE SHALL MEET REQUIREMENTS OF NFPA 90A. FLAME SPREAD RATING NOT TO EXCEED 25. FUEL CONTRIBUTION AND SMOKE DEVELOPMENT NOT TO EXCEED 50. NOISE REDUCTION COEFFICIENT (NRC) OF NOT LESS THAN 0.60 WHEN TESTED IN ACCORDANCE WITH ASTM C423 USING AN "A" MOUNTING OR A MINIMUM OF 0.70 USING AN "F" MOUNTING. K VALUE NOT MORE THAN 0.26 BTUH PER SQUARE FOOT PER DEG. F AT 75 DEG. F OR AN "R" VALUE OF 4. MAXIMUM ABSOLUTE ROUGHNESS FACTOR PER FOOT OF .004

SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED WITH R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES WITHIN THE BUILDING ENVELOPE AND R-12 WHEN LOCATED OUTSIDE OF THE BUILDING. OUTSIDE AIR INTAKE DUCTS INSTALLED IN CONDITIONED AREAS SHALL BE INSULATED WITH R-3.5 INSULATION. DUCT INSULATION TO BE FLEXIBLE FIBERGLASS WITH FOIL SCRIM FACING. INSULATION SHALL HAVE A MAXIMUM CONDUCTIVITY, K-VALUE, OF 0.29 AT 75'F AND HAVE FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 OR LESS. INSULATION SHALL BE SECURED WITH WIRE TIES AT 12" ON CENTER OR WITH SELF-SEALING LAP AND TAPE JOINTS 3" ON CENTER AT FITTINGS. JOINTS SHALL BE COVERED WITH 3" WIDE FOIL REINFORCED KRAFT TAPE. ADHESIVE OR MECHANICAL FASTENERS SHALL BE USED WHERE NECESSARY TO PREVENT SAGGING. VAPOR BARRIER PENETRATIONS BY MECHANICAL FASTENERS SHALL BE SEALED WITH VAPOR BARRIER ADHESIVE. INSULATION SHALL STOP AND POINT AROUND ACCESS DOORS AND DAMPER OPERATORS TO ALLOW OPERATION WITHOUT DISTURBING WRAPPING.

DUCT HANGERS SHALL BE CONSTRUCTED OF GALVANIZED STEEL. DUCTS SHALL BE SUPPORTED AND CONNECTED TO THE STRUCTURE PER SMACNA DUCT CONSTRUCTION STANDARDS. HANGERS AND SUPPORTS FOR GREASE DUCT SHALL BE OF NONCOMBUSTIBLE MATERIALS. FLEXIBLE DUCTS SHALL BE SUPPORTED WITH GALVANIZED STRAPS.

AIR DEVICES SHALL BE AS SCHEDULED. EXPOSED SCREWS SHALL BE THE FINISHING TYPE AND PAINTED TO MATCH THE AIR DEVICE. SQUARE TO ROUND ADAPTORS SHALL BE PROVIDED WHERE REQUIRED FOR AIR DEVICES IN CEILINGS. AIR DEVICES SHALL BE FINISHED WITH WHITE BAKED ENAMEL UNLESS NOTED OTHERWISE. AIR DEVICES SHALL BE SECURED TO T-BAR CEILINGS WHERE APPLICABLE.

AN INDEPENDENT TEST AND BALANCE FIRM WHICH IS AABC OR NEBB CERTIFIED SHALL BE RETAINED FOR CHECK/TEST-START-UP AND TESTING AND BALANCING OF AIR AND WATER SYSTEMS. THE TEST REPORT SHALL BE IN A FORMAT APPROVED BY AABC FOR SYSTEMS OF THIS TYPE AND COMPLEXITY. QUALIFICATIONS OF INDEPENDENT TEST AND BALANCE FIRM SHALL BE SUBMITTED FOR REVIEW.

GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE CODES, LOCAL CODES, AND OWNER'S STANDARDS INDICATED BY THE CONSTRUCTION DOCUMENTS.
2. MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM ARCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND FROM THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, VERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.
3. CONTRACTOR SHALL COORDINATE WORK INDICATED WITH PLUMBING, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, AND ARCHITECTURAL DIVISIONS.
4. PROVIDE ALL EQUIPMENT SCHEDULED OR INDICATED ON THE DRAWINGS BUT NOT INCLUDED WITHIN THE SPECIFICATIONS INCLUDING ANY REQUIRED BUT NOT LISTED MISC ITEMS NEEDED TO PROVIDE COMPLETELY OPERATIONAL SYSTEMS AS INDICATED WHETHER SPECIFICALLY CALLED FOR OR NOT. INSTALLATION SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS AND APPLICABLE CODES. PROVIDE SUBMITTALS FOR ALL PROPOSED EQUIPMENT AND MATERIALS TO BE UTILIZED. PROVIDE OPERATION AND MAINTENANCE MANUAL FOR ALL SYSTEMS AND EQUIPMENT AT END OF PROJECT.
5. ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT SHALL BE VERIFIED WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR PRIOR TO EQUIPMENT ORDER RELEASE. ADDITIONAL ELECTRICAL WORK RESULTING FROM EQUIPMENT SUBSTITUTION IS THE RESPONSIBILITY OF THIS CONTRACTOR.
6. ITEM DESIGNATIONS INDICATED HEREON ARE FOR PURPOSES OF THESE DOCUMENTS ONLY. CONTRACTOR SHALL VERIFY WITH OWNERS REPRESENTATIVE ACTUAL "TAGGING" INFORMATION TO BE PROVIDED FOR EACH ITEM OF MECHANICAL EQUIPMENT PRIOR TO NAMEPLATE ORDER RELEASE.
7. DUCT SIZES INDICATED ARE OUTSIDE DIMENSIONS, BRANCH RUNOUT DUCTS TO DIFFUSERS AND GRILLES TO BE SAME SIZE AS DIFFUSER OR GRILLE CONNECTION SIZE UNLESS OTHERWISE NOTED.
8. LENGTH OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO 5'-0" MAX. HORIZONTAL RUN WITH ONLY ONE 90° ELBOW PERMITTED. SECURE FLEXIBLE DUCTWORK WITH SCREWS & DRAWBANDS PER SMACNA STANDARDS.
9. CEILING DIFFUSERS SHALL BE 36" MINIMUM FROM CEILING MOUNTED SMOKE DETECTORS, COORDINATE WITH DIVISION 26.
10. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LOCATION OF GRILLES, DIFFUSERS, AND ACCESS DOORS IN CEILING. SECURE DIFFUSERS & GRILLES TO T-BAR CEILINGS WHERE APPLICABLE. SUBMIT SHOP DWG. FOR APPROVAL PRIOR TO BEGINNING WORK.
11. DUCTWORK VISIBLE BEHIND DIFFUSERS, REGISTERS, OR GRILLES SHALL BE PAINTED FLAT BLACK.
12. AT THE COMPLETION OF WORK, PROVIDE TESTING AND BALANCING SERVICES FOR MECHANICAL SYSTEM. SUBMIT WRITTEN REPORT TO ARCHITECT LISTING SYSTEM AIRFLOWS, ELECTRIC DATA, TEMPERATURES, AND PRESSURE DROPS.
13. WHERE PIPES PASS THROUGH FIRE-RATED FLOOR OR WALLS, SEAL WITH MATERIALS EQUAL TO 3M FIRE BARRIER, MEETING TESTING PER ASTM-E-814 (UL 1479). USE CAULK OR PUTTY TYPE. ALL EXTERIOR WALL AND ROOF PENETRATIONS SHALL BE SEALED WATERPROOF.
14. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED.
15. ALL EQUIPMENT, MATERIALS, AND INSTALLATION IS TO BE WARRANTEED FOR ONE YEAR TO BE FREE FROM DEFECT. PROVIDE WRITTEN WARRANTY TO OWNER.
16. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM HIS WORK.
17. THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ELECTRICAL CONDUIT, STRUCTURAL MEMBERS, ETC., PRIOR TO STARTING OF CONSTRUCTION. COORDINATE CONFLICTS WITH THE GENERAL CONTRACTOR.
18. THIS CONTRACTOR SHALL COORDINATE ALL REQUIRED EXISTING BUILDING SERVICE SYSTEM OUTAGES WITH BUILDING MANAGEMENT.
19. ALL MECHANICAL SYSTEMS ARE REQUIRED TO BE INSTALLED PER BASE BUILDING REQUIREMENTS, LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
20. PATCH AND REPAIR TO MATCH EXISTING, ANY WALL/CEILINGS TO BE ACCESSED TO ROUTE PIPING AND DUCTWORK.
21. EXISTING DUCTWORK, PIPING, AND EQUIPMENT TO REMAIN IS SHOWN LIGHT. NEW DUCTWORK, PIPING, AND EQUIPMENT IS SHOWN HEAVY. EXISTING DUCTWORK, PIPING, AND EQUIPMENT TO BE REMOVED IS SHOWN WITH A HATCH OVER THE ITEM.

SHEET INDEX

ISSUE	SHEET NO.	SHEET DESCRIPTION
08.10.2022 PERMIT ISSUE	M-001	MECHANICAL COVER SHEET
●	MD-102	DEMOLITION MECHANICAL PLAN – LEVEL 2
●	M-102	NEW WORK MECHANICAL PLAN – LEVEL 2
●	M-301	MECHANICAL SCHEDULES

MECHANICAL LEGEND

ABBR	SYMBOL	DESCRIPTION
HS	——HS——	HOT WATER SUPPLY
HR	– – –HR– – –	HOT WATER RETURN
T-STAT	T	THERMOSTAT
S	S	SPACE SENSOR W/ PLUG-IN PORT
MVD		MANUAL VOLUME DAMPER
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
SW		SIDEWALL DIFFUSER
LD		LINED DUCTWORK
DIFF		DIFFUSER
GR		GRILLE
MA		MIXED AIR
AD		ACCESS DOOR
SP		STATIC PRESSURE
GBS		GALVANIZED BIRD SCREEN
ESP		EXTERNAL STATIC PRESSURE
VAV		VARIABLE AIR VOLUME
WP		WORKING PRESSURE
TSP		TOTAL STATIC PRESSURE
WPD		WATER PRESSURE DROP
EMCS		ENERGY MANAGEMENT AND CONTROL SYSTEM
AFF		ABOVE FINISHED FLOOR
E		EXISTING
N		NEW
R		RELOCATED
		POINT OF CONNECTION NEW TO EXISTING

This sheet of drawings has not been reviewed for code compliance.

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COLORADO LICENSED MECHANICAL ENGINEER 54162 PROFESSIONAL ENGINEER
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Aurora, CO 80012

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Sheet Title:

MECHANICAL COVER SHEET

Sheet Number:

M-001

MEC Project: 2022-080-01

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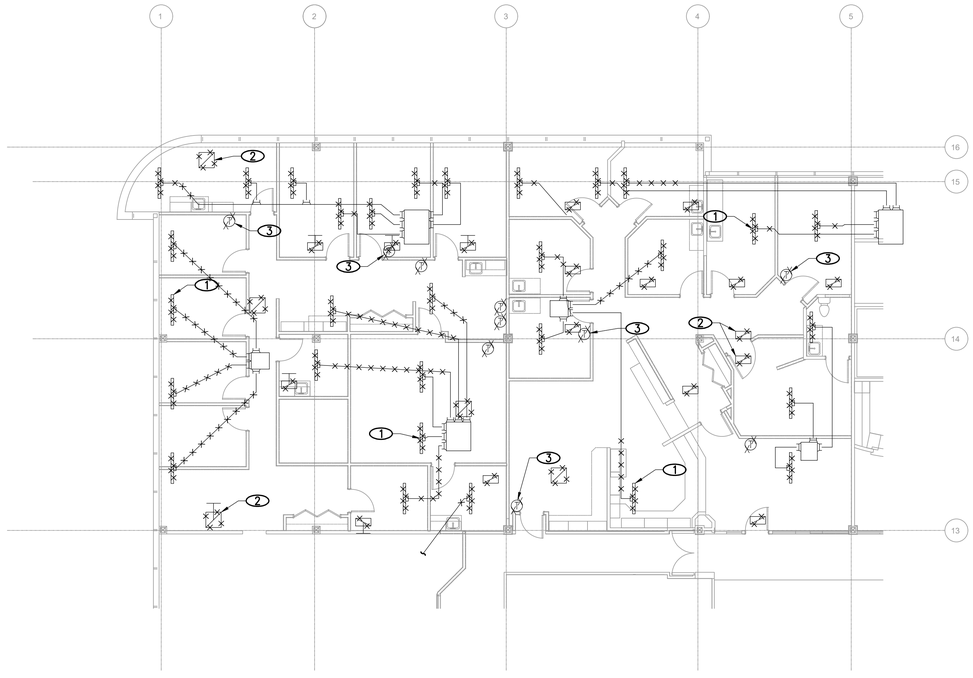
KEYNOTES

1. REMOVE EXISTING LINEAR SLOT SA DIFFUSER. SUSPEND FROM STRUCTURE. DIFFUSER TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB. (TYPICAL)
2. REMOVE EXISTING RA GRILLE. STOCKPILE ONSITE. GRILLE TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB. (TYPICAL)
3. REMOVE EXISTING THERMOSTAT FROM WALL. BAG, COIL WIRE AND SUSPEND FROM STRUCTURE. (TYPICAL)



DEMOLITION MECHANICAL PLAN - LEVEL 2

1/8" = 1'-0"

1 MD-102

This sheet of drawings has not been reviewed for code compliance.

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DEMOLITION MECHANICAL PLAN LEVEL 2

Sheet Number:

MD-102

MEC Project: 2022-080-01

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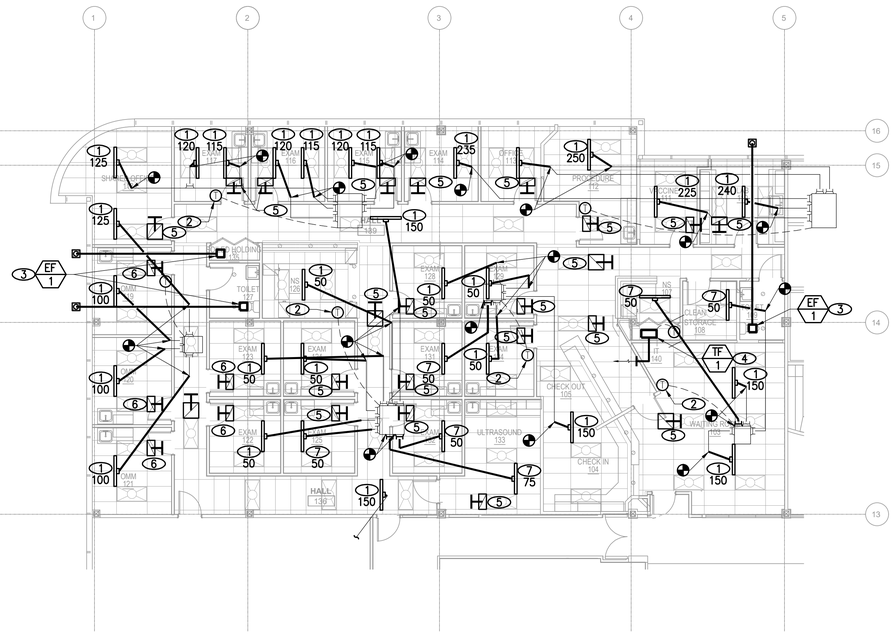
RSN:1652119 | PERMIT# 22-2201748-LT

OUTSIDE AIR VENTILATION CALCULATIONS

PROJECT: SUNDERMEYER FAMILY PRACTICE		CODE: 2015 IMC					SYSTEM: 2nd FLOOR			
		OCCUPANCY			AREA		TOTAL REQD	SUPPLY	
ROOM	AREA (SQFT)	#/1000 SQFT	# PEOPLE	OSA PER (CFM)	CFM/SQFT	Ez	OSA (CFM)	AIR (CFM)	% OSA
103 WAITING	400	35	14	10.0	0.06	0.80	205	300	68%
104 CHECK-IN	108	5	1	5.0	0.06	0.80	14	75	19%
105 CHECK-OUT	96	5	1	5.0	0.06	0.80	13	75	18%
107 NS	52	5	1	5.0	0.06	0.80	10	50	20%
108 VACCINE	53	5	1	5.0	0.06	0.80	10	225	5%
110 LAB	120	5	1	5.0	0.06	0.80	15	240	6%
111 CLEAN STORAGE	84	0	0	5.0	0.06	0.80	6	50	13%
112 PROCEDURE	158	5	1	5.0	0.06	0.80	18	250	7%
113 OFFICE	78	5	1	5.0	0.06	0.80	12	235	5%
114 EXAM	94	5	1	5.0	0.06	0.80	13	235	6%
115 EXAM	94	5	1	5.0	0.06	0.80	13	235	6%
116 EXAM	94	5	1	5.0	0.06	0.80	13	235	6%
117 EXAM	94	5	1	5.0	0.06	0.80	13	235	6%
118 SHARED OFFICE	176	5	1	5.0	0.06	0.80	19	250	8%
119 OMN	116	5	1	5.0	0.06	0.80	15	100	15%
120 OMN	116	5	1	5.0	0.06	0.80	15	100	15%
121 OMN	116	5	1	5.0	0.06	0.80	15	100	15%
122 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
123 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
124 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
125 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
126 NS	122	5	1	5.0	0.06	0.80	15	50	31%
128 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
129 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
131 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
132 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
133 ULTRASOUND	164	5	1	5.0	0.06	0.80	19	75	25%
134 EXAM	88	5	1	5.0	0.06	0.80	13	50	26%
136 HALL	425	0	0	5.0	0.06	0.80	32	150	21%
139 HALL	524	0	0	5.0	0.06	0.80	39	150	26%
TOTALS	4,076		40				643	3,865	

SYSTEM CALCULATIONS			
SUPPLY AIR	3,865 CFM	VENTILATION SYSTEM EFFICIENCY	48%
TOTAL UNCORRECTED OSA REQD	643 CFM	SYSTEM OCCUPANT DIVERSITY	100%
AVERAGE OUTDOOR AIR %	17%	CORRECTED SYSTEM MIN OUTDOOR AIR	1,331 CFM

NOTES:



NEW WORK MECHANICAL PLAN - LEVEL 2

1/8" = 1'-0"

1 / M-102

KEYNOTES

1. NEW LOCATION FOR PREVIOUSLY REMOVED LINEAR SLOT DIFFUSER. MODIFY RUN-OUT DUCT AS REQUIRED TO MAKE CONNECTION AS INDICATED. BALANCE TO CFM INDICATED.
2. NEW LOCATION FOR PREVIOUSLY REMOVED THERMOSTAT. MOUNT ON WALL AT 60"AFF. (TYPICAL)
3. PROVIDE AND INSTALL NEW EXHAUST FAN. MOUNT FAN IN CEILING. TRANSITION FAN DISCHARGE TO 6"ø AND ROUTE DUCT AS SHOWN. TERMINATE WITH 6" WALL CAP MOUNTED IN UNDERSIDE OF SOFFIT.
4. PROVIDE AND INSTALL NEW TRANSFER FAN. MOUNT FAN IN CEILING. TRANSITION FAN DISCHARGE TO 6"ø AND DISCHARGE ABOVE CEILING AS INDICATED. MOUNT REVERSE ACTING THERMOSTAT ON WALL AS SHOWN AT 60"AFF. UNDERCUT DOOR 2" BY G.C.
5. NEW LOCATION FOR PREVIOUSLY REMOVED RA GRILLE. PROVIDE WITH HERCULES SOUNDBOOT #SB OR EQUAL IF SOUNDBOOT DOESN'T EXIST.
6. PROVIDE AND INSTALL NEW RA GRILLE, KRUEGER 6490, 24/12 FACE SIZE. PROVIDE WITH HERCULES SOUNDBOOT #SB OR EQUAL.
7. PROVIDE AND INSTALL NEW LINEAR SLOT SA DIFFUSER, TITUS LL. PROVIDE WITH FULL SIZED, LINED, SA PLENUM WITH 8"ø NECK. CONNECT RUNOUT DUCT, SIZED TO MATCH PLENUM NECK, AND ROUTE TO SA PLENUM AND CONNECT WITH NEW TAP WITH VOLUME DAMPER. BALANCE TO CFM INDICATED. CONTRACTOR TO CHECK TO SEE IF THERE IS A BUILDING STOCKPILE PRIOR TO BUYING NEW.

Provide proof of a flame spread less than 26 and a smoke development less than 50 for any material used in a plenum.
2015 IMC 602.2.1

Plastic fire sprinkler piping exposed within a plenum shall be used only in wet pipe systems and shall have a maximum: peak optical density of 0.50; average optical density of 0.15; flame spread of 5 feet in accordance with UL 1887. Piping shall be listed and labeled.
2015 IMC 602.2.1.2

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation. 2015 IBC 105.4.

Heating system shall be capable of maintaining 68 degrees F a 3'0" above the floor.
2015 IMC 309, IRC 303.9 and IBC 1204.1

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Aug 24, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

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NEW WORK MECHANICAL PLAN LEVEL 2

Sheet Number:

M-102

MEC Project: 2022-080-01

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FAN SCHEDULE

ITEM	MANUFACTURER/ MODEL	LOCATION/ SERVICE	CFM	ESP	MAX FAN RPM	MAX FAN SONES	ELEC. DATA			MAXIMUM OPERATING WEIGHT (LBS)	OVERALL DIMENSIONS	NOTES
							W/HP	VOLT	PH			
TF 1	AIR KING/ AK300	IT ROOM HEAT RELIEF	300	0.1	857	0.8	69.5/–	115	1	35	21.5"Wx12.75"Dx12.75"H	1 2
EF 1	AIR KING/ BFQ110	BATHROOM EXHAUST	100	0.1	1625	3.5	72.5/–	115	1	15	10.75"Wx8.25"Dx4.75"H	3

NOTES:

1. FURNISH WITH ALUMINUM GRILLE, PLUGED DISCONNECT AND UNIT MOUNTED FAN SPEED CONTROLLER
2. PROVIDE WITH REVERSE ACTING THERMOSTAT, AND VIBRATION ISOLATION
3. INTERLOCK WITH LIGHTSWITCH, PROVIDE WITH VIBRATION ISOLATION AND PLUGGED DISCONNECT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Aug 24, 2022*
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Sheet Information

Sheet Title:

MECHANICAL SCHEDULES

Sheet Number:

M-301

MEC Project: 2022-080-01

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CODES:

DESIGNED UNDER THE FOLLOWING CODES:
2020 NATIONAL ELECTRICAL CODE
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL FIRE CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE

ENERGY CODE NOTES:

1. THE LIGHTING AND ELECTRICAL SYSTEMS FOR THE PROJECT SHALL COMPLY WITH THE APPLICABLE SECTIONS OF 2021 IECC.
2. OCCUPANCY SENSORS SHALL BE PROVIDED AS REQUIRED FOR FULL COVERAGE OF THE AREA SHOWN. SPECIFIC NUMBER OF DEVICES AND MOUNTING LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER THAT IS SELECTED BY THE ELECTRICAL CONTRACTOR. LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THESE PLANS ARE FOR CONVEYING SWITCHING/CONTROL INTENT. PROVIDE ALL REQUIRED CONTROL UNITS AND ADD-A-RELAYS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

ELECTRICAL SERVICE LOAD SUMMARY:

1. TOTAL NUMBER OF LIGHTING FIXTURES HAS BEEN REDUCED AND REPLACED WITH LED FIXTURES. LIGHTING LOAD HAS BEEN REDUCED BY 3210 WATTS.
2. EXISTING OUTLETS HAVE BEEN RE-USED AND A FEW MECHANICAL FANS HAVE BEEN ADDED. POWER LOAD HAS BEEN INCREASED BY 142 WATTS.
3. TOTAL ELECTRICAL LOAD ON THE BUILDINGS ELECTRICAL SERVICE AND ASSOCIATED PANELS HAS BEEN REDUCED BY 3068 WATTS.

FIRE ALARM SYSTEM NOTES (CONTRACTOR DESIGN)

THE FIRE ALARM SYSTEM SHALL BE DESIGN/BUILD BY THE CONTRACTOR. DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO OBTAIN APPROVAL OF MODIFICATIONS AND ADDITIONS TO THE EXISTING BUILDING FIRE ALARM SYSTEM. ALL FIRE ALARM SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE CORRESPONDING STATE HAVING JURISDICTION. ALL DEVICES SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM AND SHALL BE SO CERTIFIED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT MEET THE REQUIREMENTS OF LOCAL JURISDICTION.

1. THE FIRE ALARM SYSTEM IS EXISTING TO BE FIELD VERIFIED. ALL DEVICES ADDED TO THE SYSTEM SHALL BE FULLY COMPATIBLE AND VERIFIED THAT EXISTING SYSTEM WILL BE ABLE TO ACCOMODATE ALL NEW DEVICES. PROVIDE ALL NECESSARY CONNECTION TO THE BASE BUILDING FIRE ALARM SYSTEM.
2. THE FIRE ALARM SYSTEM SHALL MEET ALL CODE, LOCAL JURISDICTIONAL REQUIREMENTS AND COMPLY WITH THE LATEST APPLICABLE PROVISIONS OF NFPA 70, NFPA 72, ADA 1990, ANSI 117.1, IBC, AND IFC, EXCEPT AS MODIFIED BY THE LOCAL JURISDICTION
3. THE FIRE ALARM SYSTEM SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: ADDRESSABLE DETECTION (HEAT SMOKE) DEVICES, NOTIFICATION DEVICES, MANUAL PULL-STATIONS, MAGNETIC DOOR HOLDER DEVICES, SMOKE DAMPER CONTROL (PER IBC), ETC.
4. DETECTORS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH NFPA 72 AND LOCAL JURISDICTIONAL REQUIREMENTS DETECTORS INSTALLED IN ANY CONCEALED LOCATIONS SHALL HAVE A REMOTE VISIBLE LED INDICATOR.
5. NOTIFICATION DEVICES SHALL BE LOCATED AS REQUIRED BY LOCAL CODE AT LEAST 80 INCHES FROM FINISHED FLOOR.
6. ALL RATED PENETRATIONS SHALL BE FIRE SEALED.
7. DETECTORS SPACING ON NON-CONTINUOUS PLANE CEILINGS SHALL BE ADJUSTED ACCORDING TO CODE AND LOCAL JURISDICTION.
8. LOCATE CORRIDOR DETECTORS TO LINE UP WITH LIGHT FIXTURES. KEEP DETECTORS 3' AWAY FROM AIR DIFFUSERS.
9. ALL FIRE ALARM WIRING MUST BE RUN IN APPROVED RACEWAY. EXPOSED PLENUM RATED WIRING WILL BE ALLOWED IN CEILING PLENUM WITH PRIOR APPROVAL OF BUILDING OWNER AND AUTHORITY HAVING JURISDICTION. EXPOSED WIRING WILL NOT BE ALLOWED DOWN WALL SURFACES.
10. STROBES SHALL BE SYNCHRONIZED.

ELECTRICAL LEGEND

NOTE: NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT.

- GROUNDED DUPLEX RECEPTACLE
- COMBO GROUNDED DUPLEX RECEPTACLE AND USB CHARGING PORT
- GROUNDED SWITCHED DUPLEX/QUAD RECEPTACLE
- GROUNDED SPLIT-WIRED RECEPTACLE
- GROUNDED SINGLE RECEPTACLE
- FOUR PLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE SUBSCRIPT = AMPACITY
- FLOOR MOUNTED SPECIAL PURPOSE RECEPTACLE
- CLOCK RECEPTACLE
- FLOOR MOUNTED RECEPTACLE
- FLOOR MOUNTED FOUR PLEX RECEPTACLE
- POWER ONLY POKE-THRU
- POWER/DATA POKE-THRU
- MOTOR
- PLUG MOLD
- POWER/TELEPHONE POLE
- WIRELESS ACCESS POINT
- TELEPHONE OUTLET
- FLOOR MOUNTED TELEPHONE OUTLET
- FLOOR MOUNTED TELEPHONE/DATA OUTLET
- TELEPHONE/DATA OUTLET
- DATA OUTLET
- FLOOR MOUNTED DATA OUTLET
- SWITCH & RECEPTACLE COMBINATION
- 1, 2, OR 3 BUTTON STATION
- TELEVISION OUTLET
- FLOOR MOUNTED TELEVISION OUTLET
- JUNCTION BOX
- FLOOR MOUNTED JUNCTION BOX
- WALL MOUNTED J-BOX
- BUZZER
- CHIME
- COMBINATION STARTER/DISCONNECT SWITCH
- EQUIPMENT NON-FUSED DISCONNECT SWITCH
- EQUIPMENT FUSED DISCONNECT SWITCH
- MAGNETIC CONTROLLER (STARTER)
- ELECTRICAL PANELBOARD SURFACE MOUNTING
- ELECTRICAL PANELBOARD RECESSED MOUNTING
- TELEPHONE TERMINAL BOARD
- RESIDENTIAL COMMUNICATION CENTER
- MAIN DISTRIBUTION PANEL
- PULL BOX
- MOTOR CONTROL CENTER
- METER
- TRANSFORMER
- RELAY
- CONTACTOR
- SOLENOID VALVE
- CARD READER
- SPEAKER - PAGING AND OR SOUND SYSTEM
- THERMOSTAT
- BATTERY
- PHOTOCELL
- CIRCUIT BREAKER
- BREAKER WITH DRAWOUT FEATURE
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- FUSED SWITCH
- POWER TRANSFORMER
- CURRENT TRANSFORMER
- GROUND
- CONDUIT UP
- CONDUIT DOWN
- CONDUIT CAP
- CONDUIT CONTINUATION
- HOMERUN ARROWS
- MECHANICAL EQUIPMENT DESIGNATION
- DETAIL NOTE DESIGNATION
- KITCHEN EQUIPMENT DESIGNATION
- ELECTRICAL WIRE SIZE
- DELTA REVISION NOTE
- TWO WAY COMMUNICATION
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM PANEL
- FIRE ALARM ANNUNCIATOR CONTROL PANEL
- MANUAL PULL STATION
- FIRE STROBE
- FIRE HORN OR SPEAKER WITH STROBE
- FIRE ALARM HORN & LIGHT
- FIRE ALARM HORN
- MAGNETIC DOOR HOLDER
- FIRE ALARM FLOW SWITCH
- TAMPER SWITCH
- FIRE THERMAL DETECTOR
- SMOKE DETECTOR I = IONIZATION, P = PHOTOELECTRIC
- COMBINATION CO/SMOKE DETECTOR
- DUCT FIRE DETECTOR (RETURN)
- DUCT FIRE DETECTOR (SUPPLY)
- REMOTE INDICATING LIGHT
- FIRE / SMOKE DAMPER
- 120V. MOTORIZED SMOKE DAMPER
- VOLUME CONTROL
- MICROPHONE RECEPTACLE
- WALL MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- STRIP LIGHT FIXTURE
- CEILING FIXTURE
- PORCELAIN LAMP HOLDER
- WALL WASHER
- TRACK HEAD FIXTURE
- TRACK WITH TRACK HEAD FIXTURE
- EMERGENCY FIXTURE - SHADED
- WALL PACK FIXTURE
- SURFACE CEILING FIXTURE
- POLE MOUNTED FIXTURE
- BATTERY PACK EMERGENCY LIGHT
- EXIT LIGHT - SHADED INDICATES FACE
- WALL MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED VACANCY SENSOR
- SINGLE POLE SWITCH
- DOUBLE POLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- SWITCH WITH INTEGRATED OCCUPANCY SENSOR
- WALL MOUNTED VACANCY SENSOR SWITCH
- SWITCH & PILOT LAMP
- KEY OPERATED SWITCH
- DIMMER SWITCH
- THERMAL OVERLOAD SWITCH
- AFF — ABOVE FINISH FLOOR
- AC — ABOVE COUNTER - VERIFY HEIGHT
- AFCI — ARC-FAULT CIRCUIT INTERRUPTER
- AG — ABOVE COUNTER/GROUND FAULT INTERRUPTING
- CCT — CIRCUIT
- E — EXISTING TO REMAIN
- EC — ELECTRICAL CONTRACTOR
- EF — EXHAUST FAN
- ER — EXISTING TO BE RELOCATED
- EX — EXISTING TO BE REMOVED
- EWC — ELECTRICAL WATER COOLER
- GFCI — GROUND FAULT INTERRUPTING
- HP — HOUSE PHONE
- IH — INSTA HOT
- (P) — PARTIAL CIRCUIT USED IN MULTIPLE LOCATIONS
- (PART) — SAME AS (P)
- (S) — SURFACE MOUNTED DEVICE
- TTB — TELEPHONE TERMINAL BOARD
- UON — UNLESS OTHERWISE NOTED
- WG — WEATHER PROOF/GROUND FAULT INTERRUPTING
- WP — WEATHER PROOF

ELECTRICAL CONSTRUCTION SPECIFICATION

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3. MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB.
4. 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.
5. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS, WHICH ARE REQUIRED BY THESE AGENCIES, FOR THEIR APPROVAL.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FIRE PREVENTION BUREAU THE DOCUMENTS, INCLUDING DRAWINGS, REQUIRED TO OBTAIN APPROVAL OF EMERGENCY LIGHTING AND EXIT SIGN TYPES AND LOCATIONS. A COPY OF THE APPROVED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT BEFORE THE START OF CONSTRUCTION.
8. THE CONTRACTOR SHALL PREPARE THE DOCUMENTS, INCLUDING DRAWINGS, REQUIRED TO OBTAIN APPROVAL OF THE EQUIPMENT AND LOCATIONS OF THE DEVICES THAT COMPRISE THE BUILDING FIRE ALARM LIFE SAFETY SYSTEM. A COPY OF THE DRAWINGS AND CUT SHEETS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE APPROVED DRAWINGS WILL BE STAMPED, SIGNED AND RETURNED TO E.C. TO SUBMIT TO THE BUILDING DEPARTMENT.
9. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
10. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER, LIGHTING, AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY LIGHTING AND WIRING AT THE COMPLETION OF CONSTRUCTION.
11. THE EXISTING POWER, SIGNAL AND COMMUNICATION SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S FUNCTION. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE OWNER AND SHALL ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
12. ALL MATERIALS, AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS. THIS INCLUDES ANY EXISTING MATERIALS OR EQUIPMENT THAT IS USED.
13. ALL CUTTING, DRILLING AND PATCHING OF MASONRY, STEEL OR IRON WORK BELONGING TO THE BUILDING MUST BE DONE BY THIS CONTRACTOR IN ORDER THAT HIS WORK MAY BE PROPERLY INSTALLED, BUT UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT-DESIGNER OR THEIR REPRESENTATIVE.
14. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT.
15. THE CONTRACTOR SHALL VERIFY THE CEILING TYPE BEFORE ORDERING LIGHTING FIXTURES.
16. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
17. EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH THE BUILDING STANDARDS.
18. PROVIDE COMPLETE METAL RACEWAY SYSTEMS AND ENCLOSURES FOR ALL WIRING THROUGHOUT THE EXTENT OF THE REQUIRED SYSTEM.
19. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR ALL WALL OUTLETS & TELEPHONE OUTLETS RUNNING IN PARTITIONS, BELOW RAISED FLOOR OR ABOVE CEILINGS. EMT FITTINGS SHALL BE OF THE STEEL COMPRESSION TYPE, EXCEPT THAT SET SCREW FITTINGS MAY BE USED IN WALL PARTITIONS. CONDUITS LARGER THAN 2" DIAMETER OR CONDUITS OF ANY SIZE ROUTED OUTDOORS SHALL BE INTERMEDIATE METAL CONDUIT (IMC). CAST OR INDENTOR TYPE FITTINGS ARE NOT ALLOWED. PLENUM RATED TELEPHONE AND LOW VOLTAGE CONDUCTORS MAY RUN EXPOSED ABOVE GRID CEILING IN A CABLE SUPPORT SYSTEM, UNLESS NOTED OTHERWISE INDICATED ON PLANS.
20. MC CABLE SHALL BE PERMITTED ONLY IF BUILDING STANDARDS AND AUTHORITY HAVING JURISDICTION ALLOW. USE OF MC CABLE SHALL COMPLY WITH REQUIREMENTS AND LIMITATIONS DESCRIBED BY THE MOST CURRENT APPLICABLE N.E.C.
21. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH UNLESS OTHERWISE INDICATED.
22. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 3/8 INCH MINIMUM.
23. WIRE NO. 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN/THNN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NO. 6 OR LARGER SHALL BE TYPE THWN 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAYS IN MOIST OR DAMP LOCATIONS SHALL BE TYPE XHHW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NO. 12 AWG SHALL BE USED FOR LIGHTING OR POWER WIRING. WIRE NO. 10 AND SMALLER MAY BE SOLID OR STRANDED, WIRE NO. 8 AND LARGER SHALL BE STRANDED.
24. ALL NEW CIRCUIT BREAKERS FOR NEW OR EXISTING PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND BREAKER TYPE. THE CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN PANEL DIRECTORIES FOR ALL NEW PANELS CHANGED.
25. EACH SWITCH, LIGHT, RECEPTACLE AND OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NO. 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS MUST BE LEFT SEALED. THERE MUST BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
26. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.
27. IN SUSPENDED CEILINGS SUPPORT CONDUIT AND JUNCTION BOXES DIRECT FROM THE STRUCTURAL SLAB, DECK, OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE.
28. ALL OCCUPANCY/VACANCY CEILING SENSORS AND WALL SWITCHES SHALL BE DUAL TECHNOLOGY TYPE.
29. WHERE FLOOR FITTINGS REQUIRE PENETRATION OF THE FLOOR SLAB, THEY SHALL BE STANDARD DEVICE LISTED BY UL FOR THE PURPOSE AND HAVE A UL FIRE RATING EQUAL TO THE FLOOR RATING.
30. CONTRACTOR SHALL WIRE TO, SET AND CONNECT ALL MOTORS, CONTROLS AND EQUIPMENT. FINAL CONNECTIONS TO MOTORS SHALL BE MADE WITH LIQUID TIGHT FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM.
31. PROVIDE LOCAL DISCONNECT SWITCHES FOR ALL MOTORS (PLENUM APPROVED AS REQUIRED), PROVIDE ENCLOSED, HEAVY-DUTY, FUSIBLE OR NON-FUSIBLE SAFETY SWITCHES WHERE REQUIRED BY CODE AND AS SPECIFIED. PROVIDE FUSE REJECTION KITS FOR ALL FUSIBLE SWITCHES RATED 600 AMPERES AND BELOW.
32. NUMBERED CIRCUITS AND RACEWAY ROUTINGS ARE FOR CONVENIENCE OF DESIGN ONLY. ACTUAL FIELD CONDITIONS WILL VARY. INDICATE THE CIRCUIT NUMBER USED ON THE "AS-BUILT" DRAWINGS.
33. G.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT. DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
34. CONTRACTOR SHALL COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS, AND INFORM ARCHITECT/ENGINEER OF ANY CONFLICTS.
35. PROVIDE "AS-BUILT" DRAWINGS AND SUBMIT TO OWNER.
36. ALL ELECTRICAL DEVICES SHALL MEET ADA REQUIREMENTS.
37. CONTRACTOR SHALL ENSURE ORIGINAL CIRCUIT INTEGRITY IS MAINTAINED WHEREVER A DEVICE IS REMOVED, RELOCATED OR RECIRCUITED. ORIGINAL CIRCUIT INTEGRITY SHALL BE MAINTAINED BOTH UP AND DOWN STREAM OF THE DEVICE.
38. CONTRACTOR SHALL REMOVE ALL DEENERGIZED OR UNUSED CIRCUIT WIRING UNLESS INDICATED OTHERWISE ON PLANS.
39. SUBMIT ELECTRONIC COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW.
    A. LIGHTING FIXTURES AND LAMPS.
    B. DIMMING EQUIPMENT.
    C. WIRING DEVICES, SWITCHES, DIMMERS, AND DEVICE PLATES.
    E. PROVIDE "AS-BUILT" DRAWINGS AND SUBMIT TO ARCHITECT/DESIGNER.
40. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS, FOR EXAMPLE, ALL LIGHTING FIXTURES, PARTIAL SUBMITTALS WILL NOT BE REVIEWED.

EXISTING PANEL "RP2A"

8/13/2022 — 120 / 208 VOLT — 3 PHASE — 4 WIRE SERVICE — SEE NOTES BELOW
BUS RATING: 225A — MAIN: MLO — MOUNTING: SURFACE
LOCATION: LEVEL 2 ELEC ROOM — PROJECT: SUITE 200 / 250
COMMENTS: EXISTING — JOB NO.: 2022-055-00

TYPE	NOTE	DESCRIPTION	BRKR	CCT	LOAD	Ø	LOAD	CCT	BRKR	DESCRIPTION	NOTE	TYPE
		EXISTING LOAD	20/1	1	0	A	0	2	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	3	0	B	0	4	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	5	0	C	0	6	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	7	0	A	0	8	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	9	0	B	0	10	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	11	0	C	0	12	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	13	0	A	0	14	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	15	0	B	0	16	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	17	0	C	0	18	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	19	0	A	0	20	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	21	0	B	0	22	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	23	0	C	0	24	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	25	0	A	0	26	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	27	0	B	0	28	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	29	0	C	0	30	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	31	0	A	0	32	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	33	0	B	0	34	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	35	0	C	0	36	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	37	0	A	0	38	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	39	0	B	0	40	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	41	0	C	0	42	20/1	EXISTING LOAD		

	CONNECTED VA A	B	C	D.F.	DEMAND VA A	B	C
CONTINUOUS / LIGHTING	0	0	0	1.25	0	0	0
RECEPT. (FIRST 10 KW)	0	0	0	1.00	0	0	0
RECEPT. (REMAINDER)	0	0	0	0.50	0	0	0
MOTORS	0	0	0	1.00	0	0	0
LARGEST MOTOR				1.25	0	0	0
KITCHEN	0	0	0	1.00	0	0	0
MISCELLANEOUS	0	0	0	1.00	0	0	0
TOTAL	0	0	0		0	0	0
TOTAL DEMAND VA					0	VA	
TOTAL DEMAND AMPS					0.0	AMPS	

THIS PANELS TOTAL LOAD INCLUDES THE FOLLOWING LOADS:
SUBFEED BRKR 1 — 0 VA — 0.0 AMPS
SUBFEED BRKR 2 — 0 VA — 0.0 AMPS
FEED THRU PANEL DESIGNATION: — 0 VA — 0.0 AMPS

C = CONTINUOUS/LIGHTING R = RECEPTACLE M = MOTOR K = KITCHEN E = MISCELLANEOUS

NOTES:
1. EXISTING PANEL SHOWN FOR REFERENCE. CONTRACTOR UPON COMPLETION OF THE JOB CONTRACTOR SHALL UPDATE THE PANEL DIRECTORY.
2. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF THERE ARE ANY CONCERNS.

EXISTING PANEL "LP2"

8/13/2022 — 277 / 480 VOLT — 3 PHASE — 4 WIRE SERVICE — SEE NOTES BELOW
BUS RATING: 225A — MAIN: MLO — MOUNTING: SURFACE
LOCATION: LEVEL 2 ELEC ROOM — PROJECT: SUITE 200 / 250
COMMENTS: EXISTING — JOB NO.: 2022-055-00

TYPE	NOTE	DESCRIPTION	BRKR	CCT	LOAD	Ø	LOAD	CCT	BRKR	DESCRIPTION	NOTE	TYPE
		EXISTING LOAD	20/1	1	0	A	0	2	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	3	0	B	0	4	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	5	0	C	0	6	---	BUSSED SPACE		
		EXISTING LOAD	20/1	7	0	A	0	8	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	9	0	B	0	10	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	11	0	C	0	12	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	13	0	A	0	14	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	15	0	B	0	16	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	17	0	C	0	18	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	19	0	A	0	20	30/1	EXISTING LOAD		
		EXISTING LOAD	20/1	21	0	B	0	22	20/1	EXISTING LOAD		
		EXISTING LOAD	20/3	23	0	C	0	24	20/1	EXISTING LOAD		
		---	---	25	0	A	0	26	20/3	EXISTING LOAD		
		---	---	27	0	B	0	28	---	---		
		BUSSED SPACE	---	29	0	C	0	30	---	---		
		BUSSED SPACE	---	31	0	A	0	32	30/3	EXISTING LOAD		
		BUSSED SPACE	---	33	0	B	0	34	---	---		
		BUSSED SPACE	---	35	0	C	0	36	---	---		
		BUSSED SPACE	---	37	0	A	0	38	---	BUSSED SPACE		
		BUSSED SPACE	---	39	0	B	0	40	---	BUSSED SPACE		
		BUSSED SPACE	---	41	0	C	0	42	---	BUSSED SPACE		

	CONNECTED VA A	B	C	D.F.	DEMAND VA A	B	C
CONTINUOUS / LIGHTING	0	0	0	1.25	0	0	0
RECEPT. (FIRST 10 KW)	0	0	0	1.00	0	0	0
RECEPT. (REMAINDER)	0	0	0	0.50	0	0	0
MOTORS	0	0	0	1.00	0	0	0
LARGEST MOTOR				1.25	0	0	0
KITCHEN	0	0	0	1.00	0	0	0
MISCELLANEOUS	0	0	0	1.00	0	0	0
TOTAL	0	0	0		0	0	0
TOTAL DEMAND VA					0	VA	
TOTAL DEMAND AMPS					0.0	AMPS	

THIS PANELS TOTAL LOAD INCLUDES THE FOLLOWING LOADS:
SUBFEED BRKR 1 — 0 VA — 0.0 AMPS
SUBFEED BRKR 2 — 0 VA — 0.0 AMPS
FEED THRU PANEL DESIGNATION: — 0 VA — 0.0 AMPS

C = CONTINUOUS/LIGHTING R = RECEPTACLE M = MOTOR K = KITCHEN E = MISCELLANEOUS

NOTES:
1. EXISTING PANEL SHOWN FOR REFERENCE. CONTRACTOR UPON COMPLETION OF THE JOB CONTRACTOR SHALL UPDATE THE PANEL DIRECTORY.
2. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF THERE ARE ANY CONCERNS.

EXISTING PANEL "RP2B"

8/13/2022 — 120 / 208 VOLT — 3 PHASE — 4 WIRE SERVICE — SEE NOTES BELOW
BUS RATING: 225A — MAIN: MLO — MOUNTING: SURFACE
LOCATION: LEVEL 2 ELEC ROOM — PROJECT: SUITE 200 / 250
COMMENTS: EXISTING — JOB NO.: 2022-055-00

TYPE	NOTE	DESCRIPTION	BRKR	CCT	LOAD	Ø	LOAD	CCT	BRKR	DESCRIPTION	NOTE	TYPE
		EXISTING LOAD	30/1	1	0	A	0	2	20/1	EXISTING LOAD		
		EXISTING LOAD	30/1	3	0	B	0	4	20/1	EXISTING LOAD		
		EXISTING LOAD	30/1	5	0	C	0	6	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	7	0	A	0	8	20/1	EXISTING LOAD		
		EXISTING LOAD	30/1	9	0	B	0	10	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	11	0	C	0	12	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	13	0	A	0	14	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	15	0	B	0	16	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	17	0	C	0	18	20/1	EXISTING LOAD		
		EXISTING LOAD	20/1	19	0	A	0	20	20/1	EXISTING LO

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15][3]	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1 [EL18][3]	Occupancy sensors installed in required spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.2.3 [EL23][3]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.2.1 [EL22][3]	Automatic controls to shut off all building lighting installed in all buildings.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.3 [EL16][3]	Daylight zones provided with individual controls that control the lights independent of general area lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.3, C405.2.3.1, C405.2.3.2 [EL20][3]	Primary sidelighted areas are equipped with required lighting controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.3, C405.2.3.1, C405.2.3.3 [EL21][3]	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.4 [EL4][3]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.4 [EL8][3]	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	Requirement will be met.
C405.3 [EL6][3]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

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

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Suite 250
Project Type: New Construction

Construction Site:
1400 S. Potomac, Suite 250
Arura, Colorado 80012

Owner/Agent:
Colorado

Designer/Contractor:
kevin stegeman
mv consulting
4640 Pecos St
Denver, Colorado 80211
3033253271
kevin@mv-c.net

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Office	4468	0.74	3297
		Total Allowed Watts =	3297

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)
1-Office				
LED: D1: DOWNLIGHT: Other:	1	8	10	80
LED: T1: 2X4 TROFFER: Other:	1	73	38	2803
Halogen: (E): EXISTING PENDANT: Other:	1	5	50	250
			Total Proposed Watts =	3133

Interior Lighting PASSES: Design 5% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design 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 COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kevin Stegeman — Name - Title
Kevin Stegeman — Signature
08-09-2022 — Date

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	
C405.4.1 [FI18][3]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C408.2.5.1 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][3]	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)

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2015 IECC

Requirements: 71.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception 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][3]	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	
C406 [PR9][3]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐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)

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

This work must also comply with **2015 IECC.**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick M. Bumpass*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

RSN: *1652119*
Permit #: *22-2201748*

DAVIS PARTNERSHIP ARCHITECTS
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Virginia | 635 S. Fairfax Street Alexandria, VA 22314 703.838.8414

Consultant
MV CONSULTING INC
4640 PECOS STREET, UNIT F DENVER, COLORADO, 80211
303.325.3271 MV-C.NET

COLORADO LICENSED — MARCUS V. VANDENBERG — 41304 — PROFESSIONAL ENGINEER
06/15/2022

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
ENERGY CODE COMPLIANCE FORMS

Sheet Number:
E-002

MVC Project: 2022-056-00

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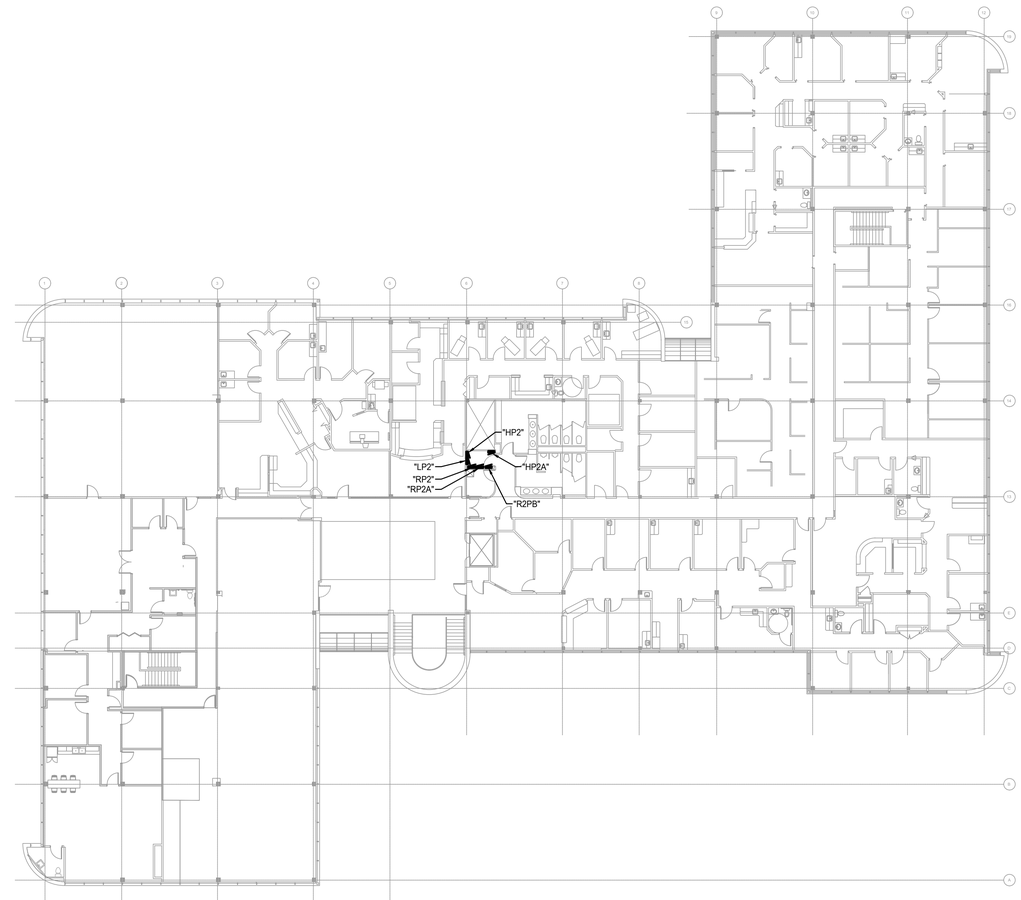
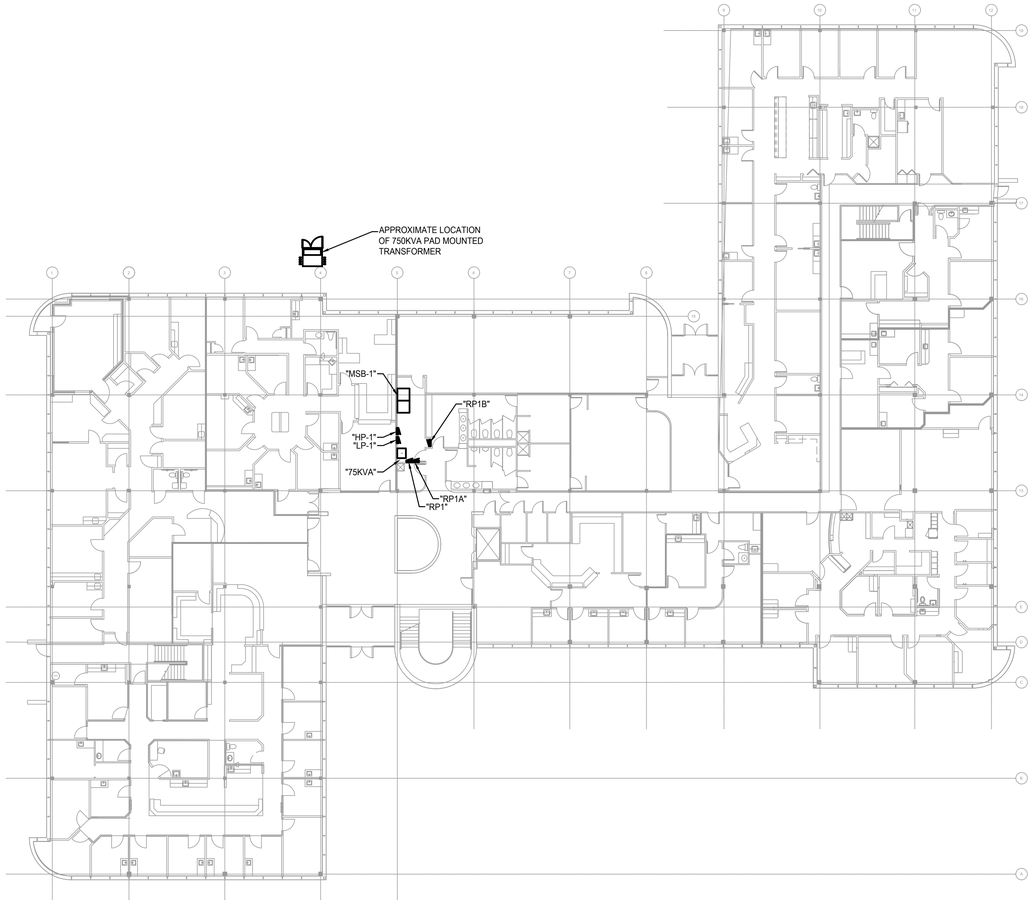
GENERAL NOTES

1. DEVICES SHOWN ON THIS PLAN ARE EXISTING AND SHOWN FOR REFERENCE.



E2 **LEVEL 2 - OVERALL POWER PLAN**
1/8" = 1'-0"



E1 **LEVEL 1 - OVERALL POWER PLAN**
1/8" = 1'-0"

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Erick M. Bumpass
Date: Aug 22, 2022
2015 INTERNATIONAL CODES & 2020 NEC

RSN: 1652119
Permit #: 22-2201748

DAVIS PARTNERSHIP ARCHITECTS

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COLORADO LICENSED
MARCUS T. VARLING
41304
PROFESSIONAL ENGINEER
08/15/2022

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
LEVELS ONE AND TWO - OVERALL POWER PLANS

Sheet Number:
E-100

MVC Project: 2022-056-00

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EQUIPMENT SCHEDULE

KEY	EQUIPMENT	LOAD HP,KW,FLA	VOLTS	Ø	BRANCH CKT. CONDUCTORS	COND.	DISCONNECT SWITCH	DISCONNECT FUSE	PANEL	NOTES
EF-1	EXHAUST FAN	69.5 W	120	1	2#12,1#12G	1/2"	Sto	---	SEE PLANS	
TF-1	EXHAUST FAN	72.5 W	120	1	2#12,1#12G	1/2"	Sto	---	SEE PLANS	

NOTES:

GENERAL NOTES

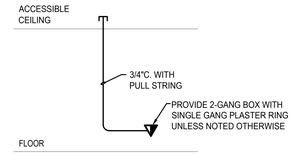
1. DEVICES SHOWN LIGHT LINE WEIGHT ARE EXISTING TO REMAIN, DEVICES SHOWN DASHED TO BE REMOVED OR RELOCATED, DEVICES SHOWN HEAVY ARE RELOCATED OR NEW.
2. LOWER CASE LETTER NEXT TO OUTLETS DENOTES THE REMOVED LOCATION AND NEW LOCATION OF THE OUTLET, MAINTAIN CIRCUIT CONTINUITY UP AND DOWNSTREAM OF DEVICE.
3. COORDINATE FINAL LOCATIONS OF OUTLETS WITH THE ARCHITECT/TENANT PRIOR TO ROUGH-IN.
4. COORDINATE FINAL LOCATIONS AND QUANTITIES OF WIRELESS ACCESS POINTS "WAP" WITH TENANTS LOW VOLTAGE CONSULTANT.

◇ DETAIL NOTES

1 MECHANICAL FAN SHALL BE CONNECTED TO THE NEAREST RECEPTACLE CIRCUIT, MINIMAL LOAD ADDED, SEE MECHANICAL EQUIPMENT SCHEDULE FOR LOAD.

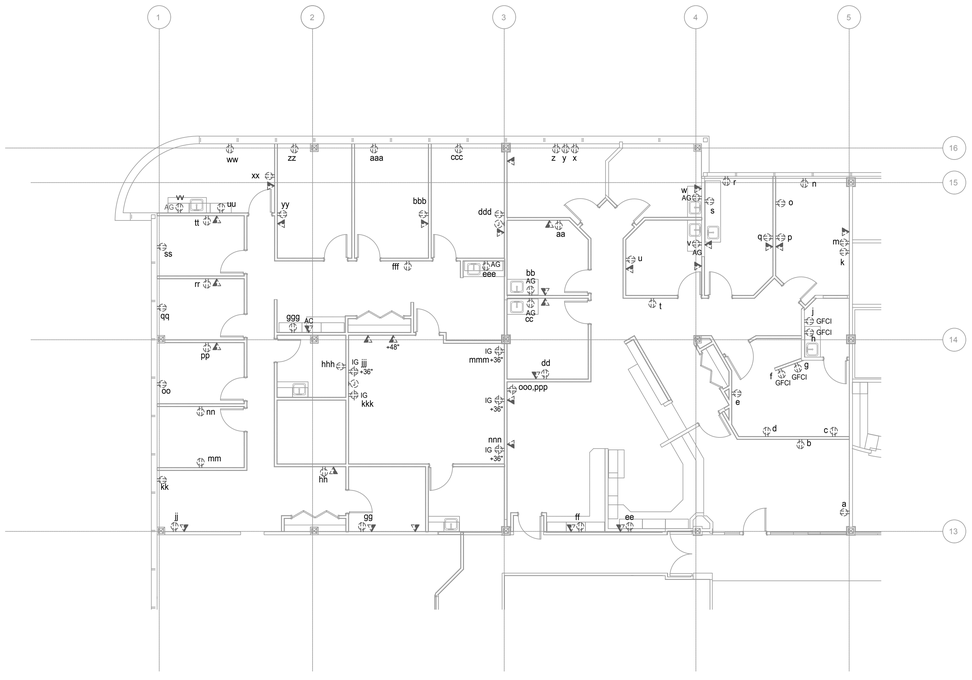
2 THE INTENT FOR DEVICE "mmm" IS TO BE A DEDICATED CIRCUIT. CONTRACTOR SHALL INFORM THE ENGINEER IF THE RELOCATED CIRCUIT DOES NOT PROVIDED A DEDICATED CIRCUIT FOR ADDITIONAL INFORMATION.

3 THE INTENT FOR DEVICES "nnn" IS TO BE A SHARED DEDICATED CIRCUIT. CONTRACTOR SHALL INFORM THE ENGINEER IF THE RELOCATED CIRCUIT DOES NOT PROVIDED A SHARED DEDICATED CIRCUIT FOR ADDITIONAL INFORMATION.

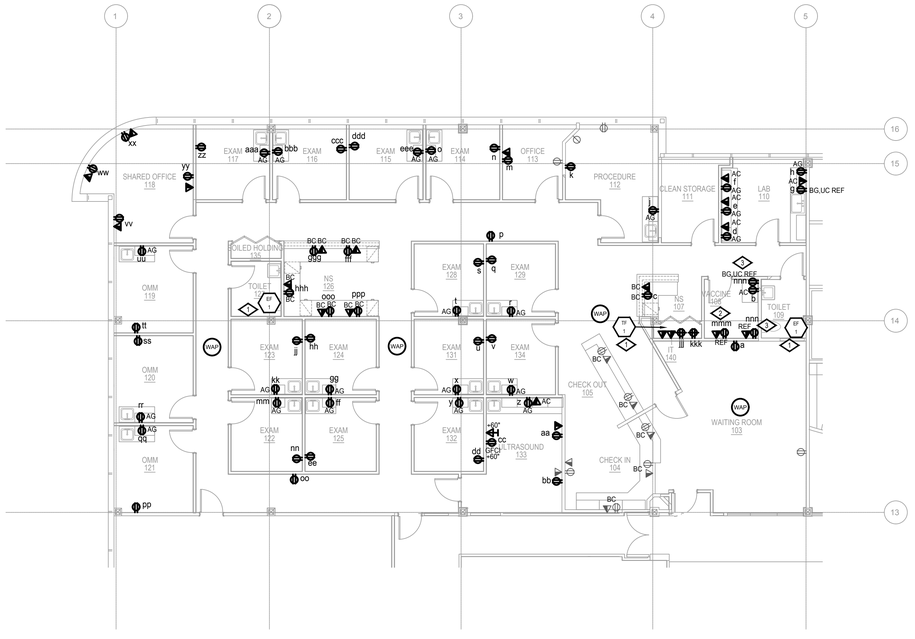


E3 TELE/DATA OUTLET INSTALLATION DETAIL
NO SCALE

Install electrical connections per 2020 NEC 110.14, Identify disconnects per 2020 NEC 110.22 and provide working space around Electrical equipment per 2020 NEC 110.26



E2 LEVEL 2 SUITE 250 - DEMO POWER PLAN
1/8" = 1'-0"



E1 LEVEL 2 SUITE 250 - NEW POWER PLAN
1/8" = 1'-0"

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

This work must also comply with **2015 IECC.**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick M. Bumpass*
Date: *Aug 22, 2022*
2015 INTERNATIONAL CODES & 2020 NEC

RSN: *1652119*
Permit #: *22-2201748*

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303.325.3271 MV-C.NET

COLORADO LICENSED 41304 PROFESSIONAL ENGINEER
06/15/2022

Issuance	Date
CONSTRUCTION DOCUMENTS	08.10.2022

Revisions	Date	No.

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
LEVEL TWO - POWER PLANS - NEW AND DEMO

Sheet Number:
E-102

MVC Project: 2022-056-00

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LUMINAIRE SCHEDULE

KEY	DESCRIPTION	MFR. & CAT.NO.	LAMP/ COLOR TEMP.	VOLTS	MOUNTING INFORMATION	LUMENS	MAX WATTS	NOTES
D1	5" SURFACE MOUNTED SLIM LED DOWNLIGHT	JUNO OR EQUAL JSF-5IN-"X-90CRI-MVOLTZT-WH	LED	120/277	SURFACE	700	10	1
EM	LED FROG-EYE W/ EMERGENCY BATTERY PACK	MATCH EXISTING SUITE STANDARD	LED	120/277	SURFACE	---	---	
T1	VOLUMETRIC LED 2X4 TROFFER OR EQUAL	LITHONIA LIGHTING 2VTS4-48L-ADPT-EZ1-LP830	LED 3000	120/277	RECESSED	4,800	39	
X	LED EXIT SIGN, GREEN LETTERS ON WHITE BACKGROUND, EM BATTERY PACK	MATCH EXISTING SUITE STANDARD	LED	120/277	SEE PLANS	---	--	

MOUNTING ABBREVIATIONS

AFF - ABOVE FINISHED FLOOR
BFC - BELOW FINISHED CEILING
RFD - RECESSED FIXTURE DEPTH

GENERAL NOTES:

1. COORDINATE DIMMER CONTROLLER (SWITCH) WITH FIXTURE DIMMING TYPE (0-10V,PHASE, ETC.) AND FIXTURE TYPE (FLUORESCENT, INCANDESCENT, MLV, ELV, LED)
2. REFER TO FLOOR PLANS FOR EXIT SIGN MOUNTING, NUMBER OF FACES AND CHEVRONS.
3. VERIFY FIXTURE FINISHES WITH ARCHITECT AND/OR INTERIOR DESIGNER PRIOR TO PURCHASE, ADJUST AS REQUIRED.

NOTES:

1. COLOR TEMPERATURE TO MATCH BUILDING STANDARD.

GENERAL NOTES

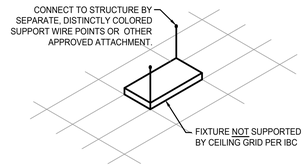
1. ALL LIGHTING FIXTURES SHOWN HEAVY LINEWEIGHT ARE EXISITNG TO BE RELOCATED FROM EXISTING FIXTURES SHOWN ON THE DEMO PLAN UNLESS NOTED WITH A FIXTURE TAG. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
2. LIGHTING FIXTURES SHOWN LIGHT LINEWEIGHT ARE EXISTING TO REMAIN.
3. QUANTITY OF 2X4 FIXTURES HAVE BEEN REDUCED FROM THE PREVIOUSLY INSTALLED FIXTURES. THE NEW DOWN LIGHTS ARE LED AND THE TOTAL LIGHTING LOAD HAS BEEN REDUCED.
4. ALL EXIT SIGNS SHALL BE CONNECTED TO THE UNSWITCHED HOT LEG OF THE NEAREST CIRCUIT SERVING THE LIGHTING FIXTURES.

◇ DETAIL NOTES

1. CONNECTED LIGHTING LOAD IN MARKED DAYLIGHT HARVESTING ZONE IS LESS THAN 150W THEREFORE DAYLIGHT HARVESTING CONTROLS ARE NOT REQUIRED PER 2018 IECC SECTION C405.2.3.

Provide Emergency Illumination Equipment That complies with 2020 NEC 700.12(F) or NEC 700.

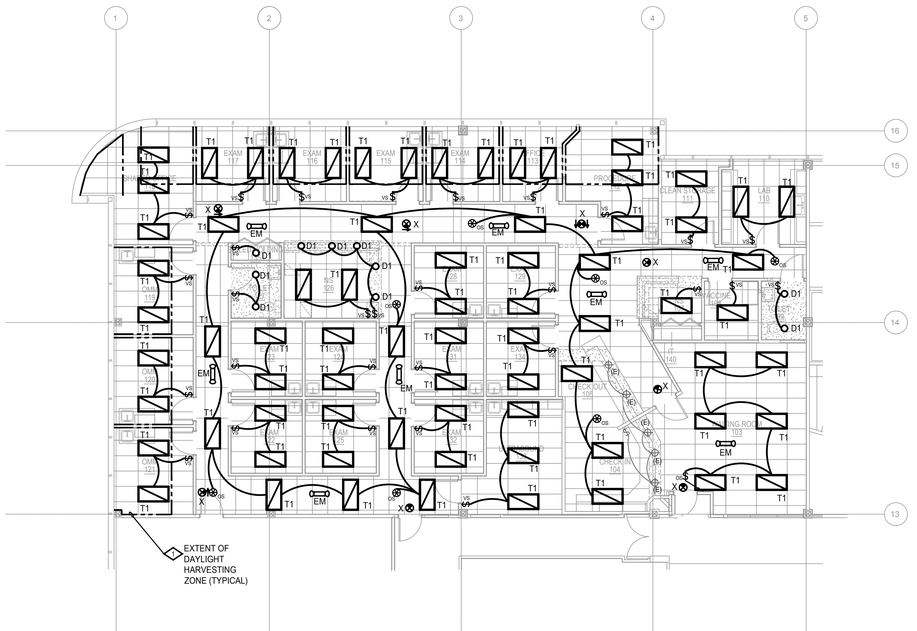
Suspended Ceiling Systems and the Luminaires They support shall meet the requirements of 410.36(B) 2020 NEC



E3 FIXTURE SUPPORT DETAIL
SCALE: NONE



E2 LEVEL 2 SUITE 250 - DEMO LIGHTING PLAN
1/8" = 1'-0"



E1 LEVEL 2 SUITE 250 - NEW LIGHTING PLAN
1/8" = 1'-0"

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City of Aurora Building Division
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Approved as Noted: *Erick M. Bumpass*
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Issuance **Date**
CONSTRUCTION DOCUMENTS 08.10.2022

Revisions **Date** **No.**

Project Information

Sundermeyer Family Practice
1400 S. Potomac, Suite 250
Aurora, CO 80012

Sheet Information

Sheet Title:
LEVEL TWO - LIGHTING PLANS - NEW AND DEMO

Sheet Number:
E-202

MVC Project: 2022-056-00

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