VOLUME ISSUE #1 OF: #1 Architecture

DAVIS PARTNERSHIP ARCHITECTS

2901 Blake Street, Suite 100
Denver, CO 80205
303.861.8555

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

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

Emergency Responder Radio Coverage: All New Commercial Buildings; Additions to Existing Buildings; Shall have approved radio coverage for emergency responders within the building. This building must be assessed to determine adequate in-building radio coverage at time of final frame and electrical inspection by a qualified 3rd party inspection service at the owner/developers expense. Lack of adequate in-building radio coverage may delay the issuance of a Certificate of Occupancy. Where the structure is found deficient a separate permit is required to install, repair or modify any Emergency Response Radio Coverage system. **Per 2015 IFC, Section 510.**

City of Aurora Building Division
Project: *TENANT IMPROVEMENT*
Address: *1400 S POTOMAC ST UNIT 150*
Occupancy Group: *B*
Construction Type: *IIB-SPK*
RSN: *1565796*
Permit: *21-2025590-LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

RSN: *1565796*
Permit #: *21-2025590-LT*

Issue Date:

07/02/2021

Project:

20059.01

ALLPRIA

1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Original Issuance:

CONSTRUCTION DOCUMENTS

7/23/2021 9:20:26 AM

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01 General	General	G-001	SHEET INDEX AND PROJECT DATA	CONSTRUCTION DOCUMENTS	07/02/2021		
Life Safety							
02 Life Safety	Life Safety	LS-000	CODE ANALYSIS	CONSTRUCTION DOCUMENTS	07/02/2021		
02 Life Safety	Life Safety	LS-101	LIFE SAFETY PLAN - LEVEL 01	CONSTRUCTION DOCUMENTS	07/02/2021		
Architectural Demolition							
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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

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
WO	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 — TYP. / # / X-###

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 — Fo2PX

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

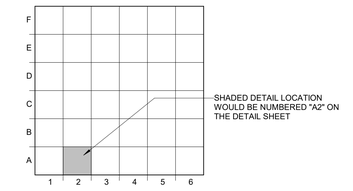
KEYNOTE AND LEADER-TYPE 2 — 07 2700 - SHEET WATERPROOFING

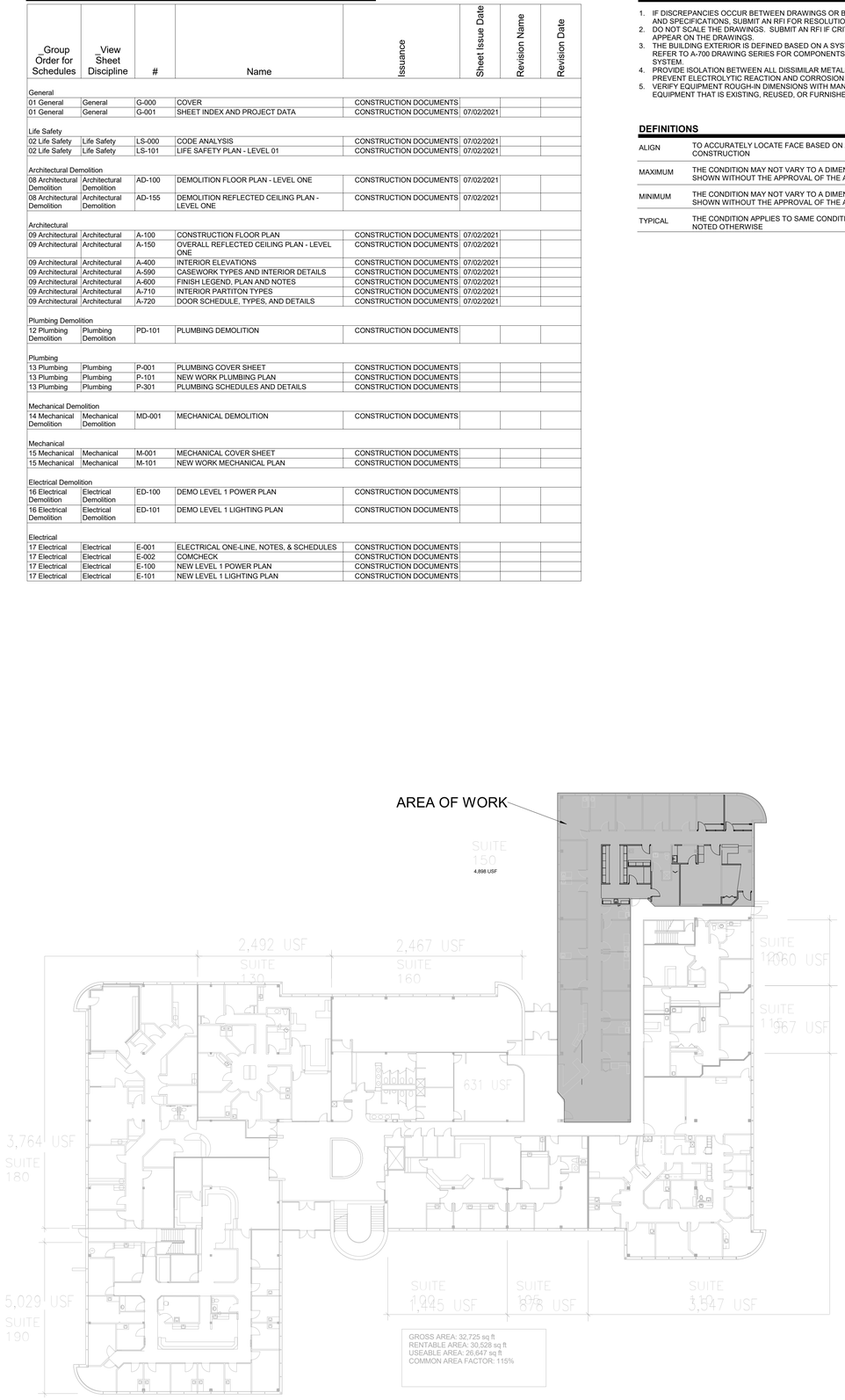
REVISION CLOUD AND TAG — 1

NORTH ARROW — N

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

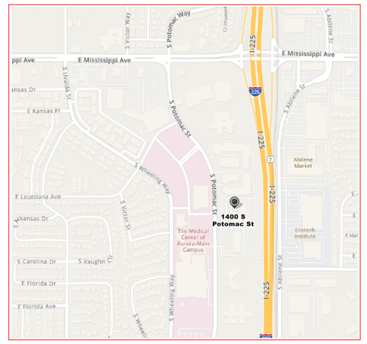
DETAIL NUMBERING BATTLESHIP GRID ORDER





1 **LEVEL 1 - OVERALL KEY PLAN**
Not To Scale

Location Map



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Consultant

STATE OF COLORADO
J.D. DREYER
ARC.00203337
LICENSED ARCHITECT

Stamp

Issuance	Date
CONSTRUCTION DOCUMENTS	07/02/2021

Revision	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

Sheet Information

Sheet Title:
SHEET INDEX AND PROJECT DATA

Sheet Number:
G-001

DPA Project: 20059.01

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7/29/2021 9:39:28 AM

PROJECT DESCRIPTION: THIS PROJECT IS A LIMITED RENOVATION OF AN EXISTING 4,923 SF SUITE IN AN EXISTING MULTI-TENANT BUILDING.

APPLICABLE BUILDING CODES:

2015	INTERNATIONAL BUILDING CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE
2015	INTERNATIONAL MECHANICAL CODE
2015	INTERNATIONAL FUEL GAS CODE
2015	INTERNATIONAL PLUMBING CODE
2020	NATIONAL ELECTRICAL CODE
2015	INTERNATIONAL FIRE CODE
2015	ICC/ANSI A117.1 ACCESSIBILITY STANDARD
2018	NFPA 101

IBC (2015)

CONSTRUCTION TYPE:	II - B
YEAR BUILT:	1982
OCCUPANCY CLASSIFICATION:	B
LIFE SAFETY SYSTEMS:	SPRINKLED
MAX. TRAVEL DISTANCE ALLOWED TO EXIT:	300'-0"
NUMBER OF EXITS REQUIRED:	4
NUMBER OF EXITS PROVIDED:	4

PLUMBING FIXTURES:

	REQUIRED	PROVIDED
WATER CLOSETS:	MEN 3	MEN 4
	WOMEN 3	WOMEN 4
		UNISEX 3
LAVATORIES:	MEN 3	MEN 3
	WOMEN 3	WOMEN 3
		UNISEX 3
DRINKING FOUNTAINS:	2	2
SERVICE SINKS:	1	1

NOTE:

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

EXIT ACCESS PATH OF TRAVEL SUMMARY - LEVEL 01

PATH #	PATH LENGTH	MIN. EXIT SEPARATION	MAX. COMMON PATH	MAX. DEADEND CORRIDOR	MAX. TRAVEL DISTANCE
ACTUAL EXIT SEPARATION DISTANCE					
	104' - 0"	53'-9"	100'-0"	50'-0"	300'-0"
EXIT ACCESS TRAVEL DISTANCE					
EA1	78' - 6"	45'-11"	100'-0"	50'-0"	300'-0"
EA2	81' - 9"	45'-11"	100'-0"	50'-0"	300'-0"

EXIT CAPACITY TABLE - LEVEL 01

EXIT NAME	DOOR WIDTH	DOOR FACTOR	DOOR CAPACITY (WIDTH / FACTOR)	STAIR WIDTH	STAIR FACTOR	STAIR CAPACITY (WIDTH / FACTOR)	EXIT CAPACITY	ACTUAL OCC. LOAD
EXIT DISCHARGE								
EAST EXIT	72"	0.2"	361	44"	0.3"	146	146	61
SOUTH EXIT	36"	0.2"	180	44"	0.3"	146	146	61
WEST EXIT	72"	0.2"	361	44"	0.3"	146	146	62
TOTAL EXIT OCCUPANT LOAD								184

OCCUPANT LOAD SUMMARY - LEVEL 01

FUNCTION OF SPACE	OCC. LOAD	AREA
BUSINESS AREAS	33	4,923 SF
TOTAL	33	4,923 SF

LIFE SAFETY LEGEND

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.

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)	1HR	1/3 HOUR[B] AT CORRIDOR WALLS; 3/4 HOUR AT OTHER FIRE PARTITIONS
EXISTING RATED WALL (HALFTONE)		
DEMOLISHED: NEW WALL		
DEMOLISHED: 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.

[B] **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**

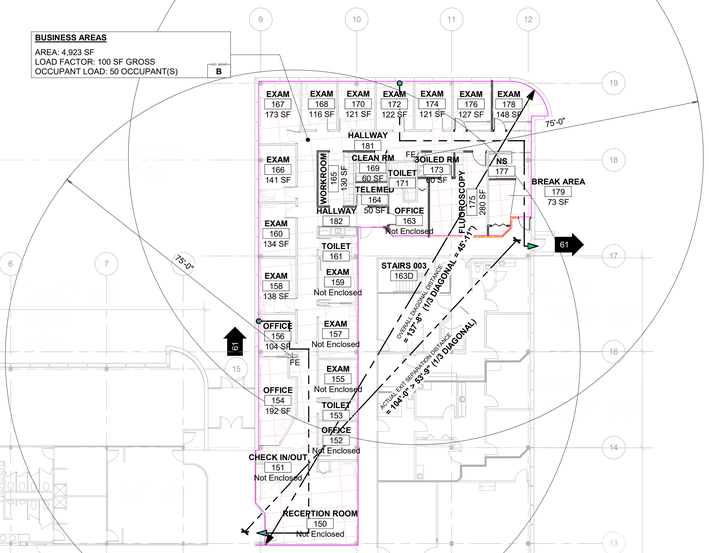
[C] **IBC 716.2.1.4** - FIRE DOOR ASSEMBLIES THAT SERVE AS SMOKE AND DRAFT CONTROL ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH **UL 1784**.

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

[E] **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**.

FUNCTION OF SPACE - AREA COLOR LEGEND

BUSINESS AREAS



A1 **LEVEL 1**
1/16" = 1'-0"

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 11, 2021*
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Consultant(s)

STATE OF COLORADO · J.D. DREYER · ARC.00203337 · LICENSED ARCHITECT

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Issuance	Date
CONSTRUCTION DOCUMENTS	07/02/2021

Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
LIFE SAFETY PLAN - LEVEL 01

Sheet Number:
LS-101

DPA Project: 20059.01

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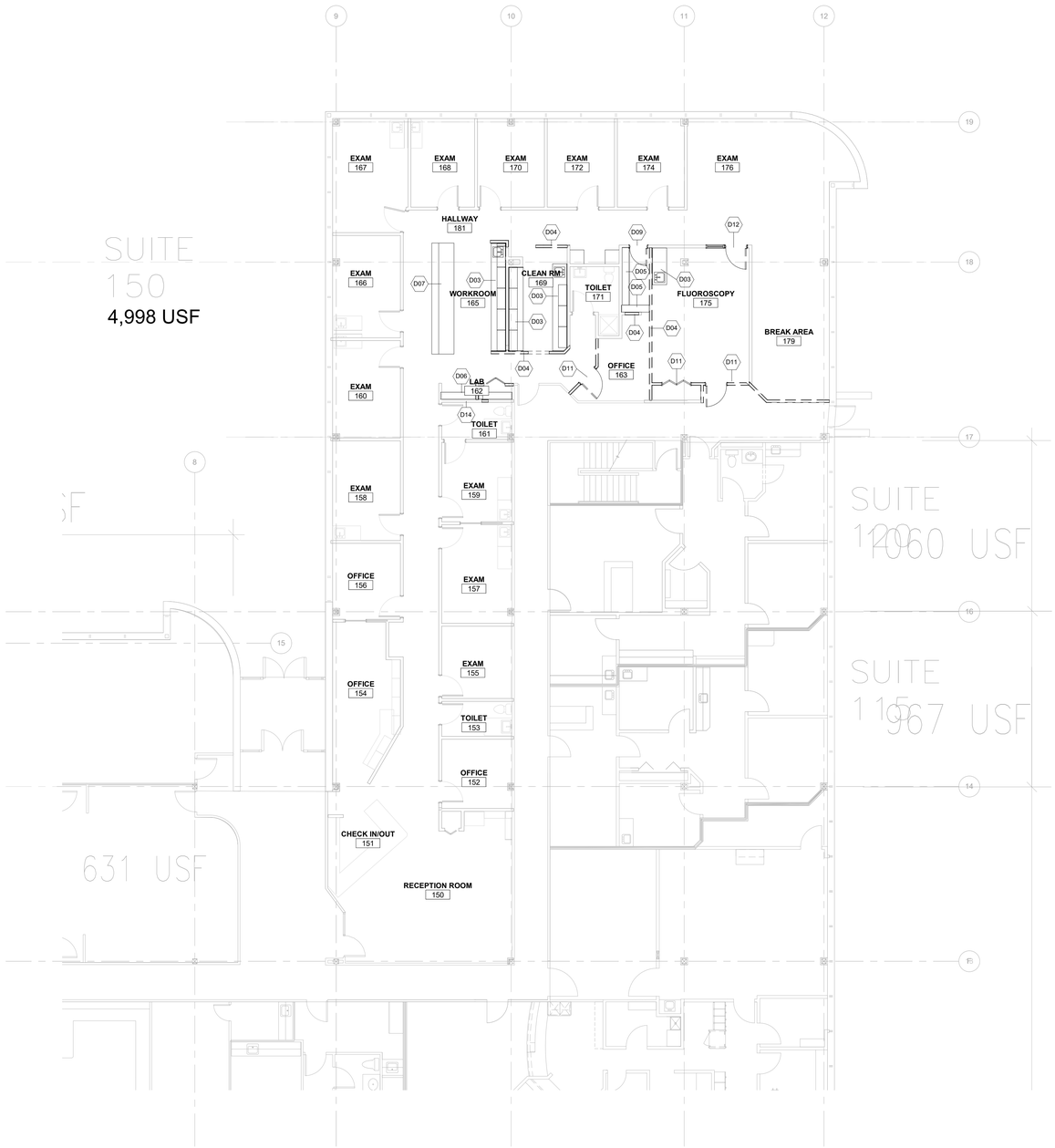

1 LEVEL 1 - DEMOLITION FLOOR PLAN

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.

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

Demolition General Notes

A. PROVIDE TEMPORARY EXIT PATH WHERE DEMOLITION MAY IMPEDE EXISTING EXIT WAY.

B. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME COMPLETELY FAMILIAR WITH ALL EXISTING CONDITIONS IN THE AREAS OF CONSTRUCTION PRIOR TO SUBMITTING PRICES AND STARTING WORK. CONTRACTOR TO NOTE ANY DEVIATIONS FROM CONDITIONS INDICATED ON THE PLANS AND INFORM THE ARCHITECT AND OWNER OF DEVIANCE.

C. COORDINATE SLAB REMOVAL WITH REQUIREMENTS OF NEW STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.

D. CONTRACTOR TO INCLUDE ALL REQUIRED PATCHING IN BASE BID.

E. PENETRATIONS IN EXISTING CONCRETE FLOOR SLAB IS TO BE COORDINATED WITH STRUCTURAL REQUIREMENTS. ALL DIMENSIONS ARE TO BE FIELD VERIFIED.

F. EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO DIMENSIONS, UTILITIES , AND MATERIALS HAVE BEEN TAKEN FROM EXISTING DRAWINGS AND/OR FIELD MEASUREMENTS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONSTRUCTION PERTAINING TO EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION.

G. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY THROUGHOUT THE ENTIRE BUILDING AREA.

H. COORDINATE INTERRUPTIONS OF UTILITIES AND SERVICES WITH OWNER.

I. PATCH AND REPAIR ALL EXISTING WALLS TO REMAIN AT LOCATION OF DEMOLITION TO PREPARE FOR NEW FINISHES.

Demo Legend

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING WALL/ PARTITION TO BE REMOVED
- EXISTING PLUMBING FIXTURES TO BE REMOVED
- EXISTING DOOR OR WINDOW, FRAME AND HARDWARE TO BE REMOVED
- PARTIAL PARTS OF WALLS TO BE DEMOLISHED, CONTRACTOR TO DETERMINE EXTENTS IN THE FIELD
- DEMOLISH CEILINGS

Demolition Keynotes

DEMOLITION KEYNOTE LEGEND

D03	DEMOLISH UPPER AND LOWER CABINETS AND COUNTER
D04	DEMOLISH EXISTING WALL
D05	DEMOLISH SHELVING
D06	DEMOLISH CABINETS
D07	DEMOLISH WORK DESK AND PARTIAL HEIGHT SUPPORT WALLS
D09	REMOVE EXISTING DOOR AND FRAME
D11	DEMOLISH EXISTING WALL, DOOR AND FRAME
D12	DEMOLISH DOOR AND SIDELIGHT
D14	DEMOLISH EXISTING PASS THROUGH, PATCH WALL

City of Aurora Building Division
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STATE OF COLORADO · J.D. DREYER · ARC-00203337 · LICENSED ARCHITECT

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

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ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
DEMOLITION FLOOR PLAN - LEVEL ONE

Sheet Number:
AD-100

DPA Project: 20059.01

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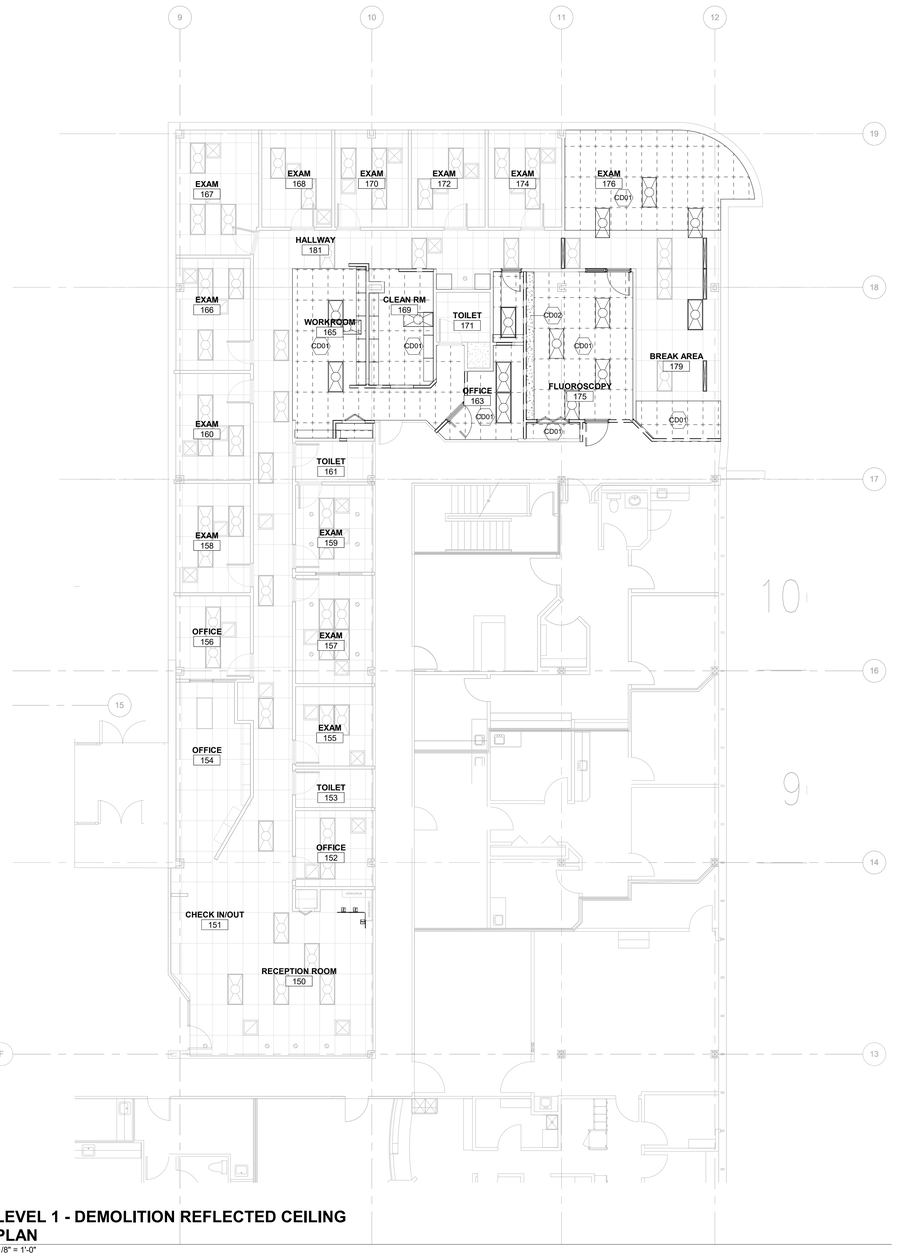

LEVEL 1 - DEMOLITION REFLECTED CEILING PLAN

1 1/8" = 1'-0"

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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**

Reflected Ceiling Plan General Notes

A. FINISHED CEILING HEIGHT IS 9'-0" U.N.O.

B. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION OR SOFFIT AND CENTERLINE OF CEILING MOUNTED SUPPORT U.N.O.

C. ALLOW FOR 1" DEFLECTION AT PARTITION HEAD

D. DIMENSIONS FROM STRUCTURAL ELEMENTS ARE TO CENTERLINE OF COLUMNS AND BEAMS.

E. CENTER GRID IN ALL ROOMS, UNLESS OTHERWISE NOTED.

F. REFER TO ELECTRICAL DRAWINGS FOR LUMINAIRE SCHEDULE.

G. LOCATE SPRINKLER HEADS TO WALL AND CEILING LAYOUT PER NFPA -13. REFER TO MECHANICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL DIRECTION. CENTER SPRINKLER HEADS IN TILE.

H. PROVIDE ACCESS PANELS WHERE REQUIRED TO PROVIDE ACCESS TO EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. COORDINATE LOCATIONS WITH ARCHITECT.

I. PROVIDE FACTORY FINISH ON ALL MECHANICAL GRILLES AND DIFFUSERS. PAINT ALL ACCESS PANELS TO MATCH ADJACENT SURFACES.

J. 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. NOTIFY ARCHITECT OF CONFLICTS .

K. HALFTONED SYMBOLS INDICATE ELEMENTS NOT INCLUDED IN TENANT SCOPE.

L. PROVIDE CONCEALED SPRINKLER HEADS WHERE LOCATED AT GYPSUM BOARD CEILINGS AND SEMI-RECESSED HEADS AT LAY-IN TILE.

M. PROVIDE BATT INSULATION ABOVE EACH EXAM ROOM CEILING AND SOUND BOOTS ON AIR RETURN GRILLS AT EXAM AND OFFICES.

N. INTENT IS TO DEMOLISH ALL EXISTING LIGHT FIXTURES, AIR SUPPLY AND RETURNS AT CEILINGS INDICATED TO BE DEMO'D.

Lighting Symbol Legend

- RECESSED IN GRADE
- RECESSED ADJUSTABLE
- STAKE MOUNT ACCENT
- RECESSED DOWNLIGHT
- BOLLARD
- RECESSED WALLWASH
- PENDANT
- SURFACE MOUNT DOWNLIGHT
- SCONCE
- TRACK HEAD
- STEP LIGHT
- LINEAR EXTRUSION
- ILUMINATED MIRROR

Reflected Ceiling Plan Symbol Legend

- EXISTING MECHANICAL DIFFUSER (SUPPLY)
- EXISTING MECHANICAL DIFFUSER (RETURN)
- EXIT SIGN
- GYPSUM BOARD CEILING
- ACOUSTICAL CEILING TILE TO REMAIN
- NEW ACOUSTICAL CEILING TILE
- DEMO ACOUSTICAL CEILING TILE
- EXISTING TROFFER TO REMAIN
- NEW OR RELOCATED TROFFER

Reflected Ceiling Plan Keynotes

DEMOLITION RCP KEYNOTE LEGEND

Key Plan

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

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

Consultant(s)

STATE OF COLORADO
J.D. DREYER
ARC-00203337
LICENSED ARCHITECT

Stamp

Issuance	Date
CONSTRUCTION DOCUMENTS	07/02/2021

Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE

Sheet Number:
AD-155

DPA Project: 20059.01

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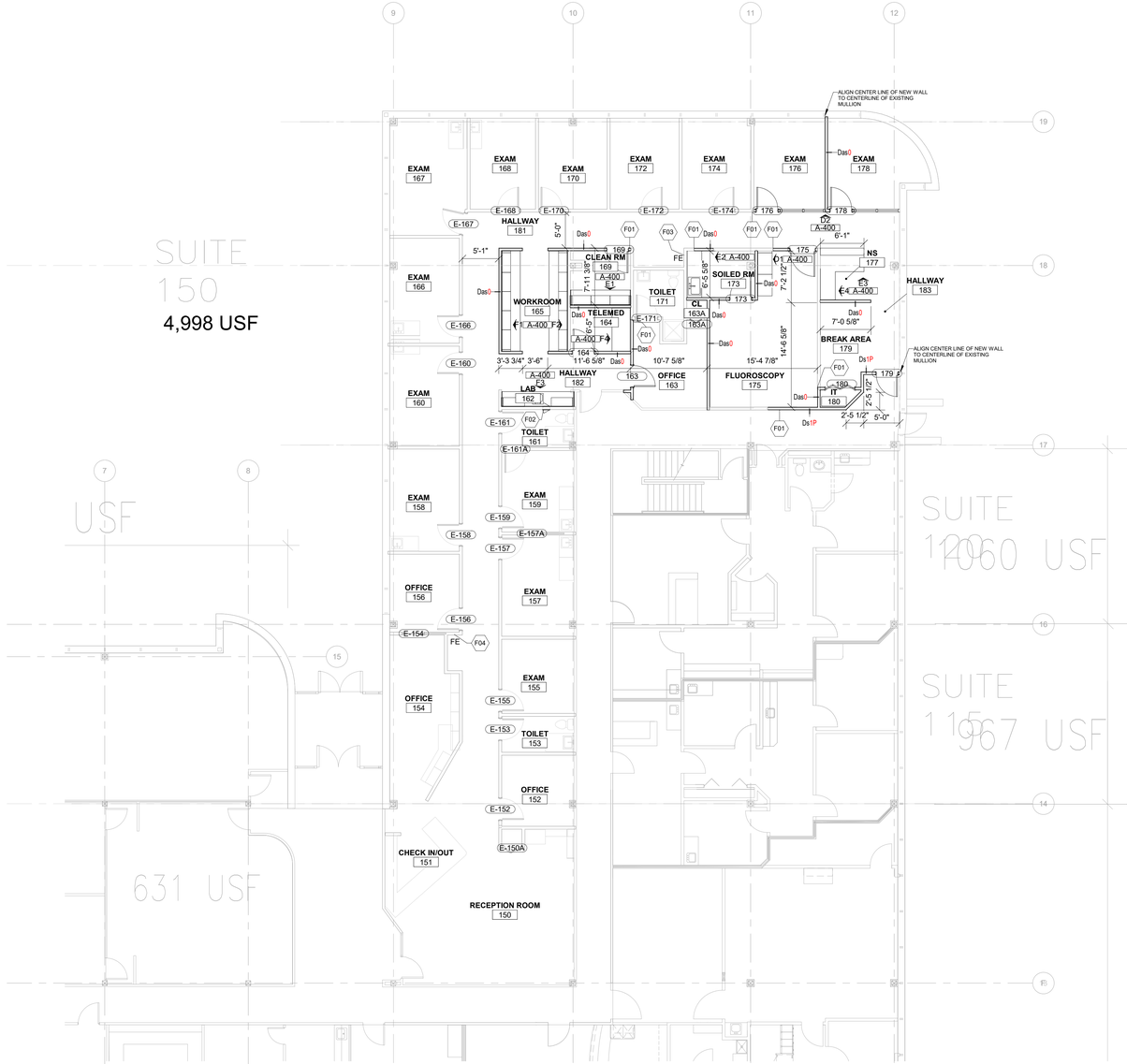

1 **LEVEL 1 - ANNOTATION FLOOR PLAN**
1/8" = 1'-0"

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

Plan General Notes

A. ALL DIMENSIONS ARE SHOWN FROM FINISHED FACE OF GYP. BOARD.

B. DIMENSIONS LOCATING INTERIOR GYPSUM PARTITIONS ARE TO FINISHED FACE OF PARTITION U.N.O.

C. DOOR ASSEMBLIES IN INTERIOR PARTITIONS ARE 6" FROM FINISHED FACE OF ADJACENT PARTITION TO EDGE OF DOOR LEAF. UNLESS NOTED OTHERWISE.

D. PROVIDE FIRESTOPPING AND FIRE SEALS AT ALL PENETRATIONS THROUGH THE FIRE RATED ASSEMBLY. PROVIDE FIRE RATED SLIP JOINTS AT ALL FIRE RATED WALL ASSEMBLIES.

E. DIMENSIONS ON ARCHITECTURAL DRAWINGS LOCATING STRUCTURAL ELEMENTS ARE TO CENTERLINE OF COLUMNS AND BEAMS, U.N.O.

F. DIMENSION LOCATING INTERIOR GYPSUM BOARD PARTITIONS ARE TO FINISHED FACE OF PARTITION, U.N.O.

G. EXISTING WALLS IDENTIFIED WITH A NEW PARTITION IDENTIFIER INDICATES THAT THE EXISTING PARTITION IS TO BE IMPROVED IN ACCORDANCE WITH THE PARTITIONS TYPE INDICATED.

H. EXISTING ASSEMBLIES AND STRUCTURAL ELEMENTS FORM CORE AND SHELL CONSTRUCTION DOCUMENTS ARE SHOWN HALFTONED FOR REFERENCE ONLY.

I. ALL LOW VOLTAGE BY TENANT, CONTRACTOR TO PROVIDE EMPTY CONDUIT AND BACK BOXES AS REQUIRED PER ELECTRICAL DRAWINGS.

J. G.C. TO PROVIDE (1) COAT HOOK ON BACK OF DOORS, TYPICAL ALL NEW EXAMS AND OFFICES.

K. PATCH AND PAINT EXISTING WALLS ONLY TO EXTENT REQUIRED BY NEW CONSTRUCTION. INFILL FINISHES AT COMMON CORRIDOR TO MATCH COMMON CORRIDOR STANDARDS.

L. CONTRACTOR TO PROVIDE FIRE RETARDENT WALL BACKING FOR ALL WALL HUNG FURNITURE AND CABINETS.

M. FIRE EXTINGUISHER CABINETS ARE TO BE SEMI-RECESSED IN METAL STUD WALLS. MAINTAIN REQUIRED WALL RATING OR RATED CABINETS TO BE USED. RE: PLAN FOR LOCATION OF CABINETS, PLAN FOR 1 CABINET.

N. PROVIDE GROMMETS AT ALL WORK AREA COUNTERTOPS, PROVIDED BY MILLWORKER AND LOCATED IN THE FIELD.

O. PROVIDE 2" RADIUS CURVED EDGES AT ALL EXPOSED COUNTERTOP CORNERS.

P. FURNITURE INDICATED ON PLANS IS FOR REFERENCE ONLY AND ARE NOT PROVIDED UNDER THE CONTRACT.

Q. FURRING AROUND STRUCTURAL COLUMNS ARE TO BE INTERIOR PARTITIONS TYPE C0f UNLESS OTHERWISE NOTED.

R. PROVIDE IN-WALL STEEL TUBE COUNTERTOP SUPPORTS AT NEW WALL 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 AND FRAME TO REMAIN
- NEW OR RELOCATED DOOR AND FRAME
- ABOVE FLOOR LINE
- NOT IN CONTRACT or BY OWNER EQUIPMENT

Plan Keynotes

CONSTRUCTION KEYNOTE LEGEND

F01	ALIGN FACE OF NEW WALL WITH FACE OF EXISTING WALL
F02	PROVIDE NEW STAINLESS STEEL PASS THROUGH
F03	RELOCATE EXISTING FIRE EXTINGUISHER TO THIS LOCATION
F04	NEW WALL HUNG FIRE EXSTINGUISHER

Key Plan

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

Consultant(s)

STATE OF COLORADO
J.D. DREYER
ARC.00203337
LICENSED ARCHITECT

Stamp

Issuance	Date
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Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
CONSTRUCTION FLOOR PLAN

Sheet Number:
A-100

DPA Project: 20059.01

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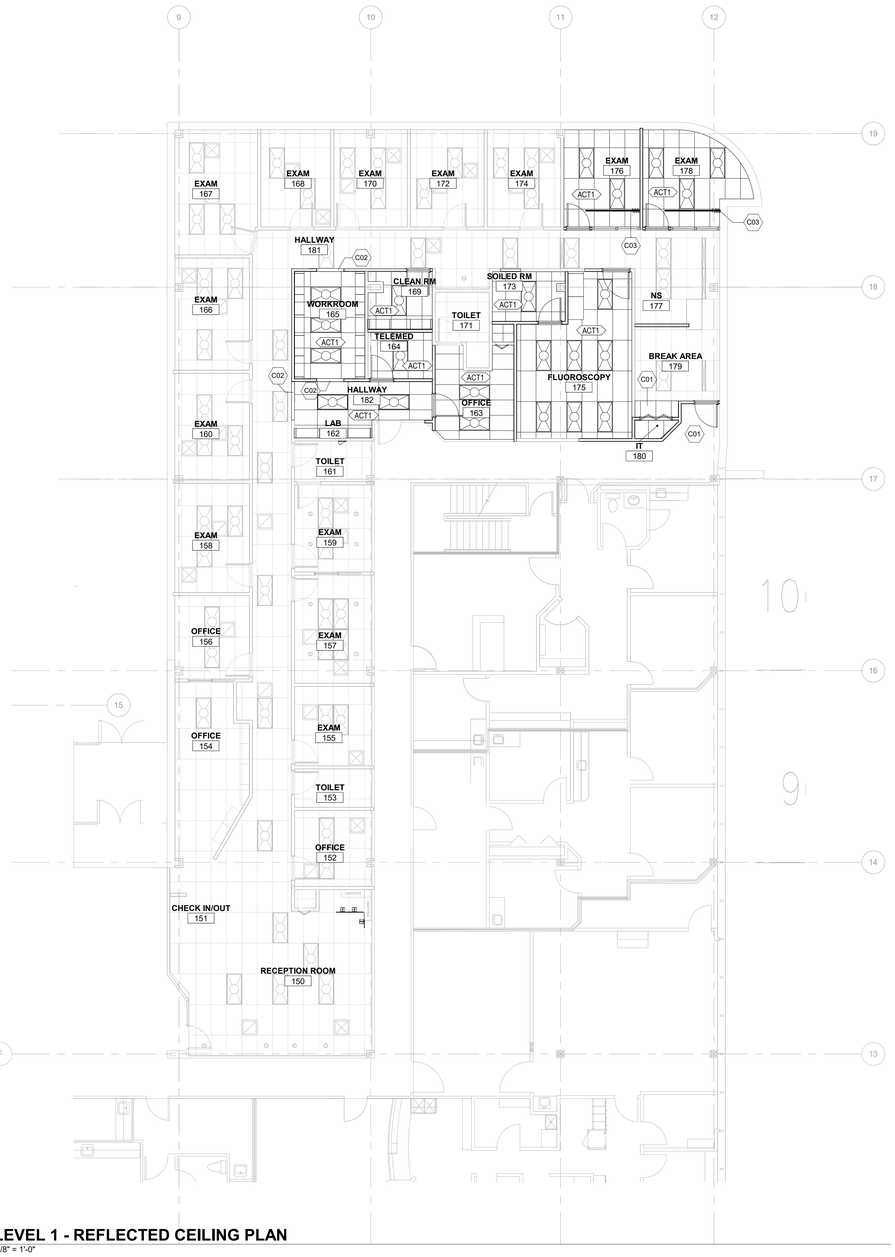

1 **LEVEL 1 - REFLECTED CEILING PLAN**
1/8" = 1'-0"

Reflected Ceiling Plan General Notes

A. FINISHED CEILING HEIGHT IS 9'-0" U.N.O.

B. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION OR SOFFIT AND CENTERLINE OF CEILING MOUNTED SUPPORT U.N.O.

C. ALLOW FOR 1" DEFLECTION AT PARTITION HEAD

D. DIMENSIONS FROM STRUCTURAL ELEMENTS ARE TO CENTERLINE OF COLUMNS AND BEAMS.

E. CENTER GRID IN ALL ROOMS, UNLESS OTHERWISE NOTED.

F. REFER TO ELECTRICAL DRAWINGS FOR LUMINAIRE SCHEDULE.

G. LOCATE SPRINKLER HEADS TO WALL AND CEILING LAYOUT PER NFPA -13. REFER TO MECHANICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL DIRECTION. CENTER SPRINKLER HEADS IN TILE.

H. PROVIDE ACCESS PANELS WHERE REQUIRED TO PROVIDE ACCESS TO EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. COORDINATE LOCATIONS WITH ARCHITECT.

I. PROVIDE FACTORY FINISH ON ALL MECHANICAL GRILLES AND DIFFUSERS. PAINT ALL ACCESS PANELS TO MATCH ADJACENT SURFACES.

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K. HALFTONED SYMBOLS INDICATE ELEMENTS NOT INCLUDED IN TENANT SCOPE.

L. PROVIDE CONCEALED SPRINKLER HEADS WHERE LOCATED AT GYPSUM BOARD CEILINGS AND SEMI-RECESSED HEADS AT LAY-IN TILE.

M. PROVIDE BATT INSULATION ABOVE EACH EXAM ROOM CEILING AND SOUND BOOTS ON AIR RETURN GRILLS AT EXAM AND OFFICES.

N. INTENT IS TO DEMOLISH ALL EXISTING LIGHT FIXTURES, AIR SUPPLY AND RETURNS AT CEILINGS INDICATED TO BE DEMO'D.

Lighting Symbol Legend

- RECESSED IN GRADE
- RECESSED ADJUSTABLE
- STAKE MOUNT ACCENT
- RECESSED DOWNLIGHT
- BOLLARD
- RECESSED WALLWASH
- PENDANT
- SURFACE MOUNT DOWNLIGHT
- SCONCE
- TRACK HEAD
- STEP LIGHT
- LINEAR EXTRUSION
- ILUMINATED MIRROR

Reflected Ceiling Plan Symbol Legend

- EXISTING MECHANICAL DIFFUSER (SUPPLY)
- EXISTING MECHANICAL DIFFUSER (RETURN)
- EXIT SIGN
- GYPSUM BOARD CEILING
- ACOUSTICAL CEILING TILE TO REMAIN
- NEW ACOUSTICAL CEILING TILE
- DEMO ACOUSTICAL CEILING TILE
- EXISTING TROFFER TO REMAIN
- NEW OR RELOCATED TROFFER

Reflected Ceiling Plan Keynotes

RCP KEYNOTE LEGEND	
C01	PATCH AND MATCH EXISTING GRID AND TILE
C02	INSTALL HEADER AT 7'-0"
C03	CUBICLE CURTAIN AND TRACK

Key Plan

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

DAVIS PARTNERSHIP ARCHITECTS
2901 Blake Street, Suite 100
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Consultant(s)

STATE OF COLORADO · J.D. DREYER · ARC.00203337 · LICENSED ARCHITECT

Stamp

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Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
OVERALL REFLECTED CEILING PLAN - LEVEL ONE

Sheet Number:
A-150

DPA Project: 20059.01

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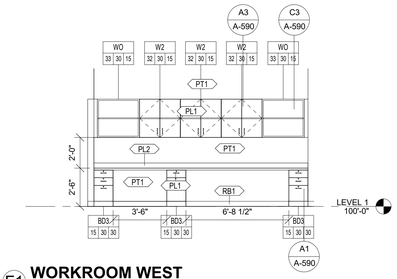
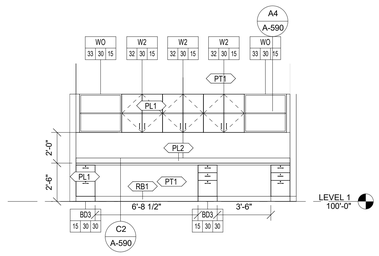
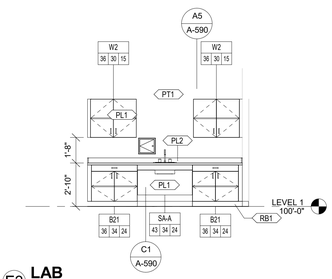


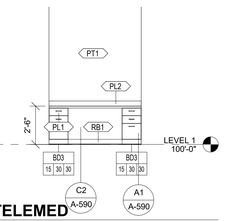
F1 WORKROOM WEST
1/4" = 1'-0"



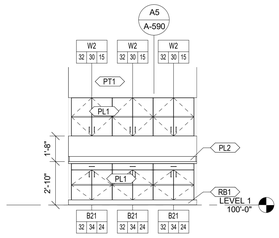
F2 WORKROOM EAST
1/4" = 1'-0"



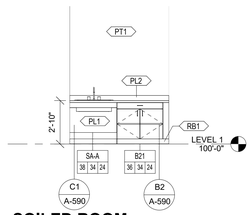
F3 LAB
1/4" = 1'-0"



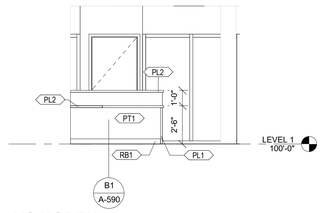
F4 TELEMED
1/4" = 1'-0"



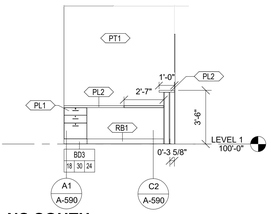
E1 CLEAN ROOM
1/4" = 1'-0"



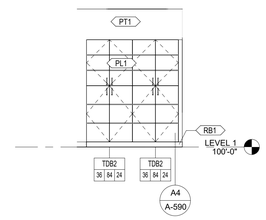
E2 SOILED ROOM
1/4" = 1'-0"



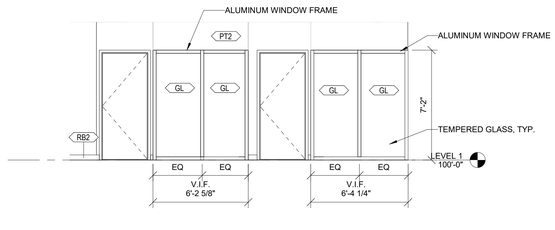
E3 NS NORTH
1/4" = 1'-0"



E4 NS SOUTH
1/4" = 1'-0"



D1 FLUOROSCOPY WEST
1/4" = 1'-0"



D2 EXAMS 176 AND 178
1/4" = 1'-0"

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.

Interior Finish General Notes

Interior Elevation General Notes

A. 000 EQUIPMENT TAG. SEE Q-121.A & Q-121.B FOR EQUIPMENT SCHEDULE

B. ? FINISH TAG. SEE I-600 FOR FINISH LEGEND AND NOTES

C. LIGHTING TAG. SEE AL SERIES FOR ARCHITECTURAL LIGHTING

Casework Legend

CASEWORK TAG:

BODG2 36 36 24 — STYLE CODE
NOMINAL DEPTH
NOMINAL HEIGHT
NOMINAL WIDTH

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

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

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.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

DAVIS PARTNERSHIP ARCHITECTS
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Consultant(s)

STATE OF COLORADO
J.D. DREYER
ARC-00203337
LICENSED ARCHITECT

Stamp

Issuance	Date
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Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
INTERIOR ELEVATIONS

Sheet Number:
A-400

DPA Project: 20059.01

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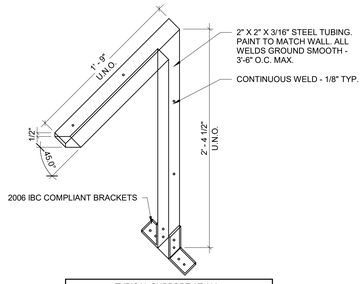
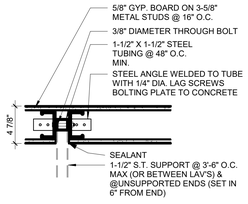
7/23/2021 8:29:21 AM



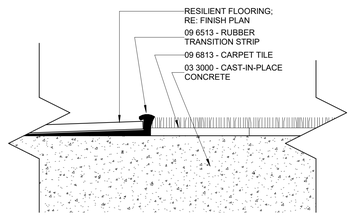
TYPICAL SUPPORT AT ALL COUNTER TOPS WITHOUT BASE CABINETS - COORDINATE LOCATIONS WITH ROOM ELEVATION

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"

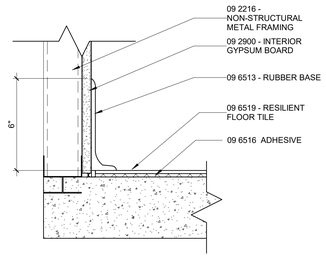
E1 STEEL TUBE SUPPORT ISOMETRIC
Not To Scale



E2 TYPICAL SECTION AT STEEL TUBE SUPPORT
1 1/2" = 1'-0"



E3 FLOOR TRANSITION - RESILIENT TO CPT
12" = 1'-0"



RUBBER BASE @ LUXURY VINYL PLANK FLOORING
E5
3" = 1'-0"

C1 TYPICAL APRON AT SINK
1" = 1'-0"

C2 PLAM Countertop
1" = 1'-0"

C3 HC - Wall Cabinet Open
1" = 1'-0"

B1 Nurse Station High Counter
1" = 1'-0"

B2 Base Cabinet w/Door and Drawer
1" = 1'-0"

A1 Base Cabinet Box Box File
1" = 1'-0"

A2 Base Cabinet File File
1" = 1'-0"

A3 TYPICAL WALL CABINET OPTION
1" = 1'-0"

A4 Tall Storage Divided Upper Lower
1" = 1'-0"

A5 TYPICAL WALL AND BASE CABINET DETAIL
1" = 1'-0"

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.

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

Interior Finish General Notes

Interior Elevation General Notes

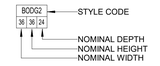
A. 000 EQUIPMENT TAG. SEE Q-121.A & Q-121.B FOR EQUIPMENT SCHEDULE

B. ? FINISH TAG. SEE I-600 FOR FINISH LEGEND AND NOTES

C. LIGHTING TAG. SEE AL SERIES FOR ARCHITECTURAL LIGHTING

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
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BO OPEN BASE CABINET
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TO OPEN TALL CABINET

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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

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.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Matt A.*
Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

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STATE OF COLORADO · J.D. DREYER · ARC-00203337 · LICENSED ARCHITECT

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Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
CASEWORK TYPES AND INTERIOR DETAILS

Sheet Number:
A-590

DPA Project: 20059.01

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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

FINISH SCHEDULE

FINISH TYPE	FINISH CODE	DESCRIPTION	♦ Manufacturer	♦ Series/Pattern	Number	♦ Color	♦ Size	Comments
CEILING FINISHES								
CEILING FINISHES	ACT1	ACOUSTICAL CEILING TILE		MATCH EXISTING		WHITE	2 X 4	PROVIDE 15/16" WHITE GRID AS REQUIRED
DOOR FINISHES								
DOOR FINISHES	PT4	DOOR FRAME PAINT	SHERWIN WILLIAMS	SEMI-GLOSS		MATCH EXISTING		
DOOR FINISHES	ST1	DOOR STAIN		MATCH EXISTING				
FLOOR FINISHES								
FLOOR FINISHES	CPT1	CARPET	MILLIKEN	PANORAMIC	PA115	TILT	50CM TILE	INSTALL ASHLAR TO MATCH EXISTING
FLOOR FINISHES	LVT1	LUXURY VINYL TILE	SHAW CONTRACT	JOY SQUARED	93761	BACKYARD	24" x 24"	INSTALL QUARTER TURN
MILLWORK FINISHES								
MILLWORK FINISHES	PL1	PLASTIC LAMINATE	FORMICA	MATTE	918-58	NEUTRAL WHITE		ALL VERTICAL SURFACES
MILLWORK FINISHES	PL2	PLASTIC LAMINATE	FORMICA	MATTE	6698-58	PALOMA POLAR		HORIZONTAL SURFACES; PROVIDE MATCHING 3mm EDGE BAND
MILLWORK FINISHES	SS1	SOLID SURFACE	CORIAN			TBS		
MISCELLANEOUS								
MISCELLANEOUS	CC1	CUBICLE CURTAIN	STANDARD TEXTILE	LAYOVER	CM004301	CEMENT		WHITE MESH/ WITH TRACK
WALL BASE FINISHES								
WALL BASE FINISHES	RB1	RUBBER BASE	JOHNSONITE	RUBBER COVE BASE	80	FAWN	4"	SUITE 150
WALL BASE FINISHES	RB2	RUBBER BASE	JOHNSONITE	RUBBER COVE BASE	48	GREY	4"	COMMON CORRIDOR INFILL
WALL FINISHES								
WALL FINISHES	PT1	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS	SW 7042	SHOJI WHITE		
WALL FINISHES	PT2	PAINT	SHERWIN WILLIAMS	MATCH EXISTING SUITE		MATCH EXISTING		
WALL FINISHES	PT3	PAINT	MATCH EXISTING					COMMON CORRIDOR INFILL

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



1 **PRICING FINISH PLAN**
1/8" = 1'-0"

Finish Plan General Notes

A. ALL PAINT FINISHES TO BE SEMI-GLOSS: (2) COATS OVER (1) COAT PRIMER, EXCEPT COMMON CORRIDOR TO BE SATIN.

B. PAINT ALL HOLLOW METAL DOOR FRAMES IN WORK AREA. 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 LOCATIONS 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 STRIPS 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 AND INSTALL ADA COMPLIANT SIGNAGE AS REQUIRED BY CODE FOR ALL ADA TOILET ROOMS AND SERVICE ROOMS.

J. ALL FINISHES SHALL MEET CLASS A FIRE RATING.

K. PROVIDE PAPER TOWEL DISPENSERS AT ALL SINK LOCATIONS.

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

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

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

O. 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.

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

Q. PROVIDE FINISHES THAT COMPLY WITH AND MEET THE FLAME SPREAD RATING REQUIREMENTS FROM **SECTION 803 AND TABLE 803.11 OF THE 2015 INTERNATIONAL BUILDING CODE**.

R. ALL GROUT TO BE SELECTED BY ARCHITECT.

S. INFILL FINISHES AT COMMON CORRIDOR TO MATCH COMMON CORRIDOR STANDARDS.

T. PROVIDE COAT HOOK ON DOOR AT OFFICE.

U. PROVIDE NEW ROLLER SHADES AT LOCATIONS NOTED; REPAIR BLINDS AS REQUIRED; BREAK OR REPLACE BLINDS WHERE NEW WALLS ARE INSTALLED AT MULLIONS.

V. ALL WORK IN ROOMS 176 AND 178 TO BE PRICED AS ALTERNATE NO. 1.

Finish Symbol Legend

XX# — FINISH EXTENTS AT ACCENT WALL

XX# — FINISH MATERIAL TAG

CPT1

LVT1

EXISTING TO REMAIN

Key Plan

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AURORA, CO 80012

Sheet Information

Sheet Title:
FINISH LEGEND, PLAN AND NOTES

Sheet Number:
A-600

DPA Project: 20059.01

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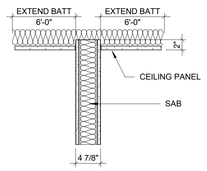
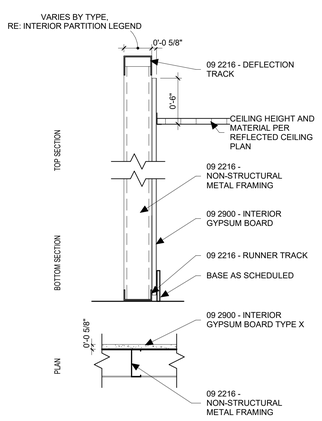
PARTITION TYPES SCHEDULE

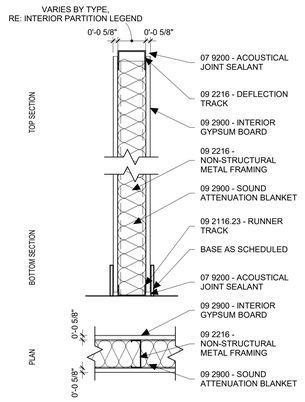
Wall Structure	Wall Sub-Type	Fire Rating	USE DESCRIPTION	PARTITION WIDTH	STRUCTURE	CONSTRUCTION DESCRIPTION	STC RATING
0							
C	f	0	FURRING WALL	0'-3 1/8"	2-1/2" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD ONE SIDE	
D	a	0	PARTITION TO 6" ABOVE CEILING	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
D	as	0	SOUND PARTITION	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
D	h	0	PARTIAL HEIGHT PARTITION	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	
1							
D	s	1	SOUND & FIRE PARTITION TO STRUCTURE	0'-4 7/8"	3-5/8" STEEL STUD	(1) LAYER 5/8" TYPE "X" GYPSUM BOARD EACH SIDE	



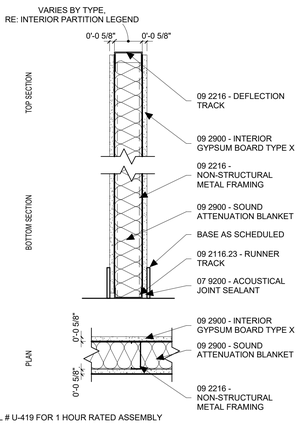
SOUND PARTITION Das0 (TYP.)



D1 **Cf0 - UNRATED FURRING WALL**
1 1/2" = 1'-0"

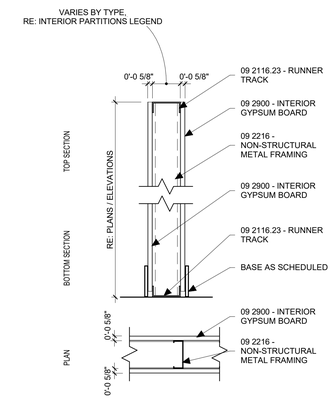


D2 **Das0 - UNRATED METAL STUD SOUND PARTITIONS**
1 1/2" = 1'-0"

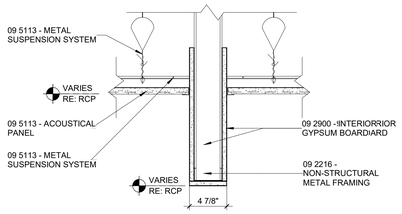


RE: UL # U-419 FOR 1 HOUR RATED ASSEMBLY

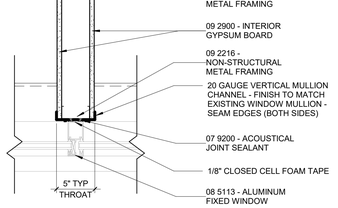
D3 **Ds1P - 1 HOUR RATED SOUND PARTITIONS**
1 1/2" = 1'-0"



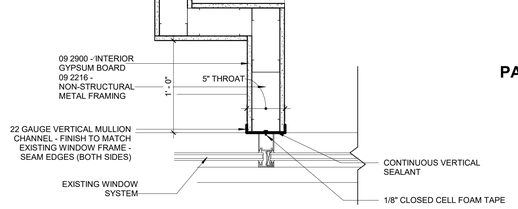
D4 **Da0 - UNRATED METAL STUD PARTITIONS**
1 1/2" = 1'-0"



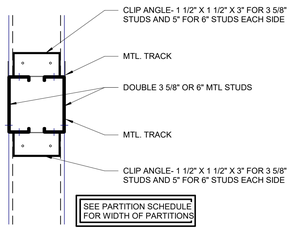
C1 **HEADER DETAIL**
1 1/2" = 1'-0"



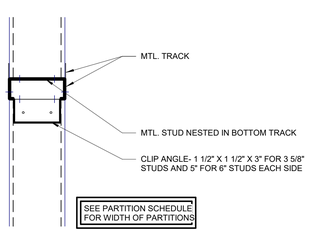
C2 **WALL TO MULLION DETAIL 1**
1 1/2" = 1'-0"



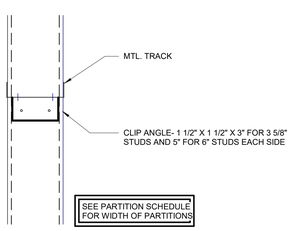
C3 **WALL TO MULLION DETAIL**
1 1/2" = 1'-0"



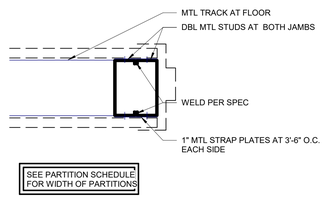
01 - DOUBLE DOOR / LARGE OPENING HEADER



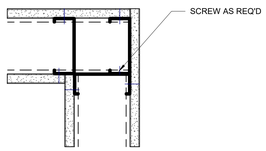
02 - DOOR OPENING HEADER



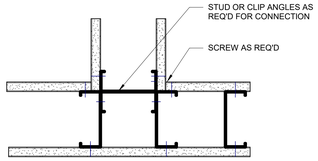
03 - OPENING HEADER



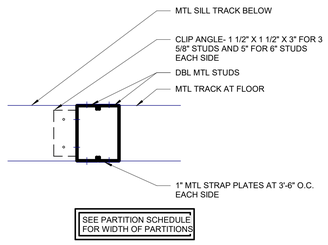
04 - DOOR OPENING JAMB STUDS



05 - CORNER FRAMING



06 - WALL INTERSECTION FRAMING



07- LARGE OPENING JAMB STUDS

A1 **TYPICAL METAL PARTITION FRAMING DETAILS**
3" = 1'-0"

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
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. D0t) 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.

PARTITION TYPE LEGEND

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.

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Consultant(s)

STATE OF COLORADO
J.D. DREYER
ARC-00203337
LICENSED ARCHITECT

Stamp

Issuance	Date
CONSTRUCTION DOCUMENTS	07/02/2021

Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
INTERIOR PARTITON TYPES

Sheet Number:
A-710

DPA Project: 20059.01

City of Aurora Building Division
Reviewed for Code Compliance
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Date: *Aug 11, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

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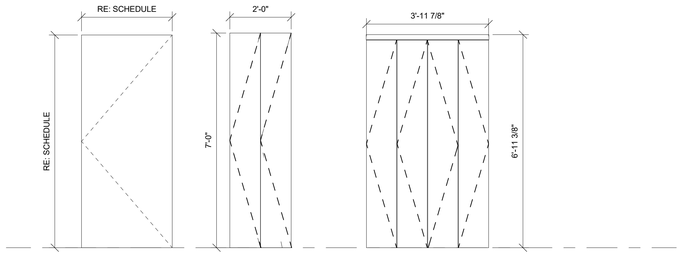
7/2/2021 9:20:24 AM

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 1																
163		36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	02	4 7/8"		
163A	CL	24"	84"	1 1/2"		WD	ST1		HM1	PT4		22"	BF-01	4 7/8"	F2	
164	TELEMED	36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	01	4 7/8"		
169	CLEAN RM	36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	04	4 7/8"		
173	SOILED RM	36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	04	4 7/8"		
175	FLUOROSCOPY	42"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	39 1/8"	02	4 7/8"		
176	EXAM	36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	01	4 7/8"		
178	EXAM	36"	84"	1 3/4"	F1	WD	ST1		HM1	PT4	0 Mins	33 1/8"	01	4 7/8"		
179		36"	108"	1 3/4"	F1	WD	ST1		HM1		90 Mins	33 1/8"	03	4 7/8"		
180	BREAK AREA	48"	84"	1 3/4"		WD	ST1		HM1	PT4		43 1/2"	BF-02	4 7/8"	F3	

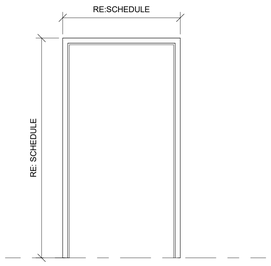


WD-F1
WOOD FLUSH SINGLE DOOR

WD-F2
WOOD FLUSH BIFOLD 2-PANEL DOOR

WD-F3
WOOD FLUSH BIFOLD 4-PANEL DOOR

DOOR TYPES
1/2" = 1'-0"



HM1
METAL FRAME

DOOR FRAME TYPES
1/2" = 1'-0"

DOOR GENERAL NOTES

1. NUMBER INDICATED IN THE "REV" CORRESPONDS TO THE ISSUE/REVISION TAG NUMBER CONTAINED IN THE TITLEBLOCK.
2. REFER TO SPECIFICATION SECTION 08 8000 - GLAZING FOR GLAZING TYPES.
3. FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS SHALL NOT EXCEED 5 POUNDS.
4. THRESHOLDS AT DOORSWAYS SHALL NOT EXCEED 1/2" IN HEIGHT ABOVE THE FINISHED FLOOR. FLOOR LEVEL CHANGES GREATER THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50% SLOPE).
5. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
6. SWINGING DOORS SERVING A GROUP H OCCUPANCY AND SWINGING DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP A OR E OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

DOOR ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AL	ALUMINUM
CA	CLEAR ANODIZED
HM	HOLLOW METAL
HPOF	HIGH PERFORMANCE ORGANIC FINISH
PT	PAINT
ST	STAIN
WD	WOOD

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

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

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ALLPRIA
1400 S. POTOMAC, SUITE 150
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Sheet Information

Sheet Title:
DOOR SCHEDULE, TYPES, AND DETAILS

Sheet Number:
A-720

DPA Project: 20059.01

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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	SHEET NO.	SHEET DESCRIPTION
07.02.21 CD ISSUE	P-001	PLUMBING COVER SHEET
	PD-101	DEMOLITION PLUMBING PLAN
	P-101	NEW WORK PLUMBING PLAN
	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

RSN: 1565796
Permit #: 2021-2025590 -LT

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

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Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:

PLUMBING COVER SHEET

Sheet Number:

P-001

MEC Project: 2021-056-01

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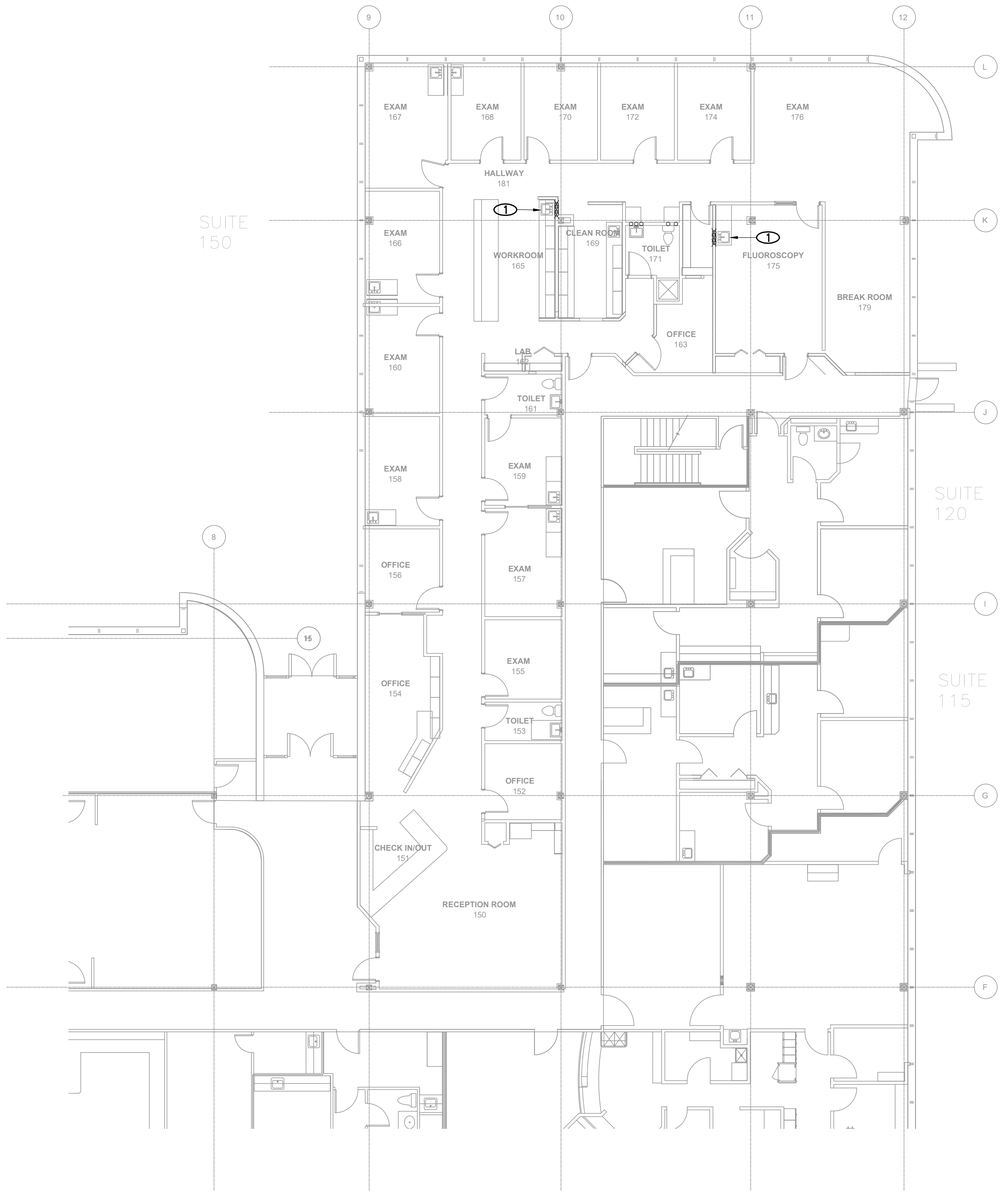
KEYNOTES

1. DEMO EXISTING SINK. CAP HW & CW ROUGH-INS ABOVE CEILING AND W LINE BELOW FLOOR.



DEMOLITION PLUMBING PLAN

1/8" = 1'-0"

1 PD-101

RSN: 1565796
Permit #: 2021-2025590 -LT

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1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:

DEMOLITION PLUMBING PLAN

Sheet Number:

PD-101

MEC Project: 2021-056-01

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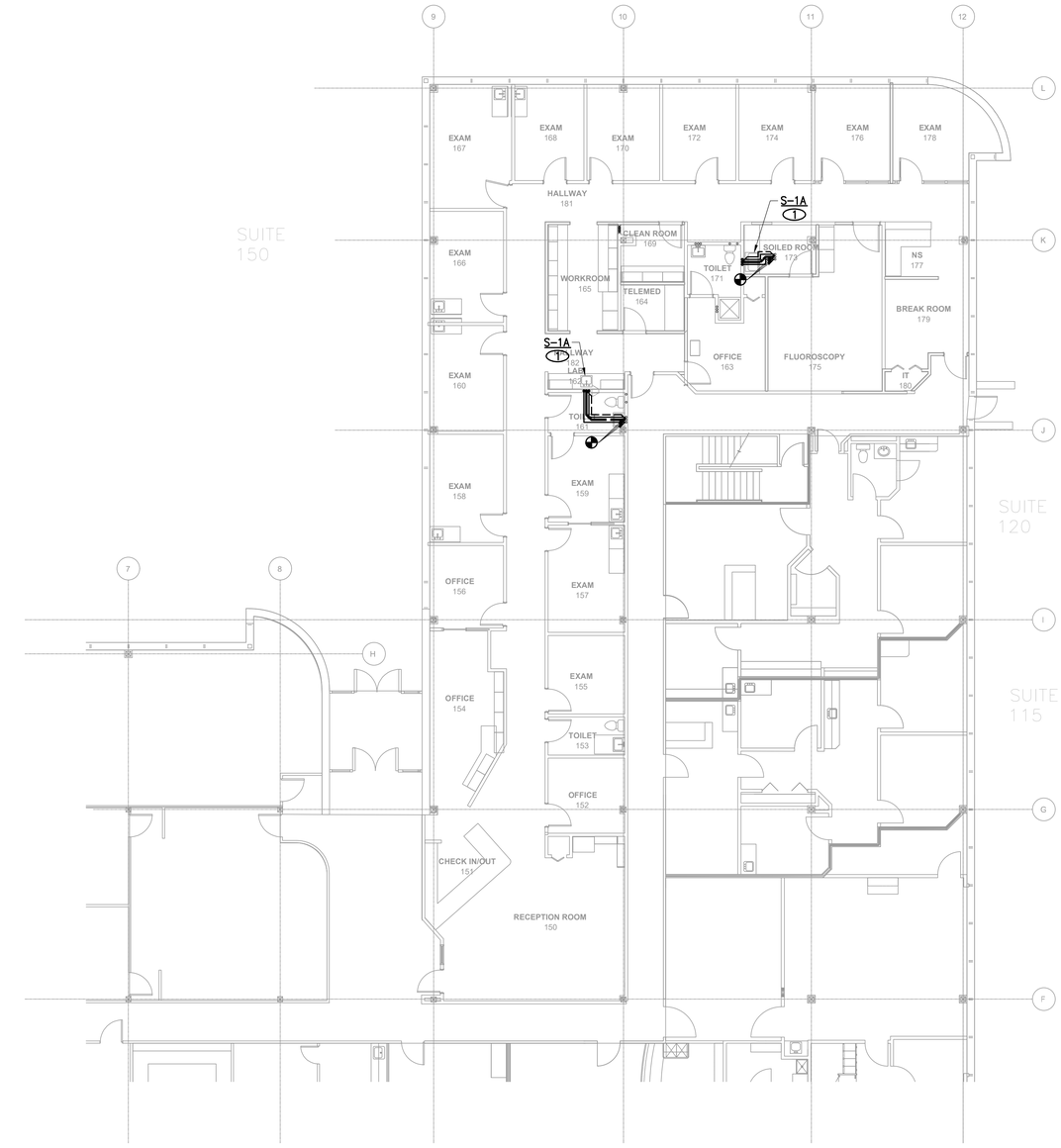
NOTES

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.

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.

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

GENERAL NOTES:
1. ALL HW AND CW PIPING IN UNITS IS 3/4" OR FINAL FIXTURE CONNECTION SIZE UNLESS OTHERWISE NOTED.
2. NO WATER PIPING IS TO BE ROUTED IN EXTERIOR WALLS OR UNHEATED ATTIC SPACE, PIPING TO BE ROUTED ON HEATED SIDE OF INSULATED WALLS AND CEILINGS.



NEW WORK PLUMBING PLAN

1/8" = 1'-0"

1 P-101

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.

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NEW WORK PLUMBING PLAN

Sheet Number:

P-101

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Emergency eyewash stations must meet ISEA Z358.1 standard. 15 IMC 411.1

PLUMBING FIXTURE SCHEDULE

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

S-1A	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	

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Sheet Information

Sheet Title:

PLUMBING SCHEDULES AND DETAILS

Sheet Number:

P-301

MEC Project: 2021-056-01

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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
07.02.2021 PERMIT ISSUE		
	M-001	MECHANICAL COVER SHEET
	MD-101	DEMOLITION MECHANICAL PLAN
	M-101	NEW WORK MECHANICAL PLAN

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

RSN: *1565796*
Permit #: *2021-2025590 -LT*

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

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COLORADO LICENSED PROFESSIONAL ENGINEER 38663 JOSHUA MOEN

JULY 2, 2021

Issuance	Date
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Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:

MECHANICAL COVER SHEET

Sheet Number:

M-001

MEC Project: 2021-056-01

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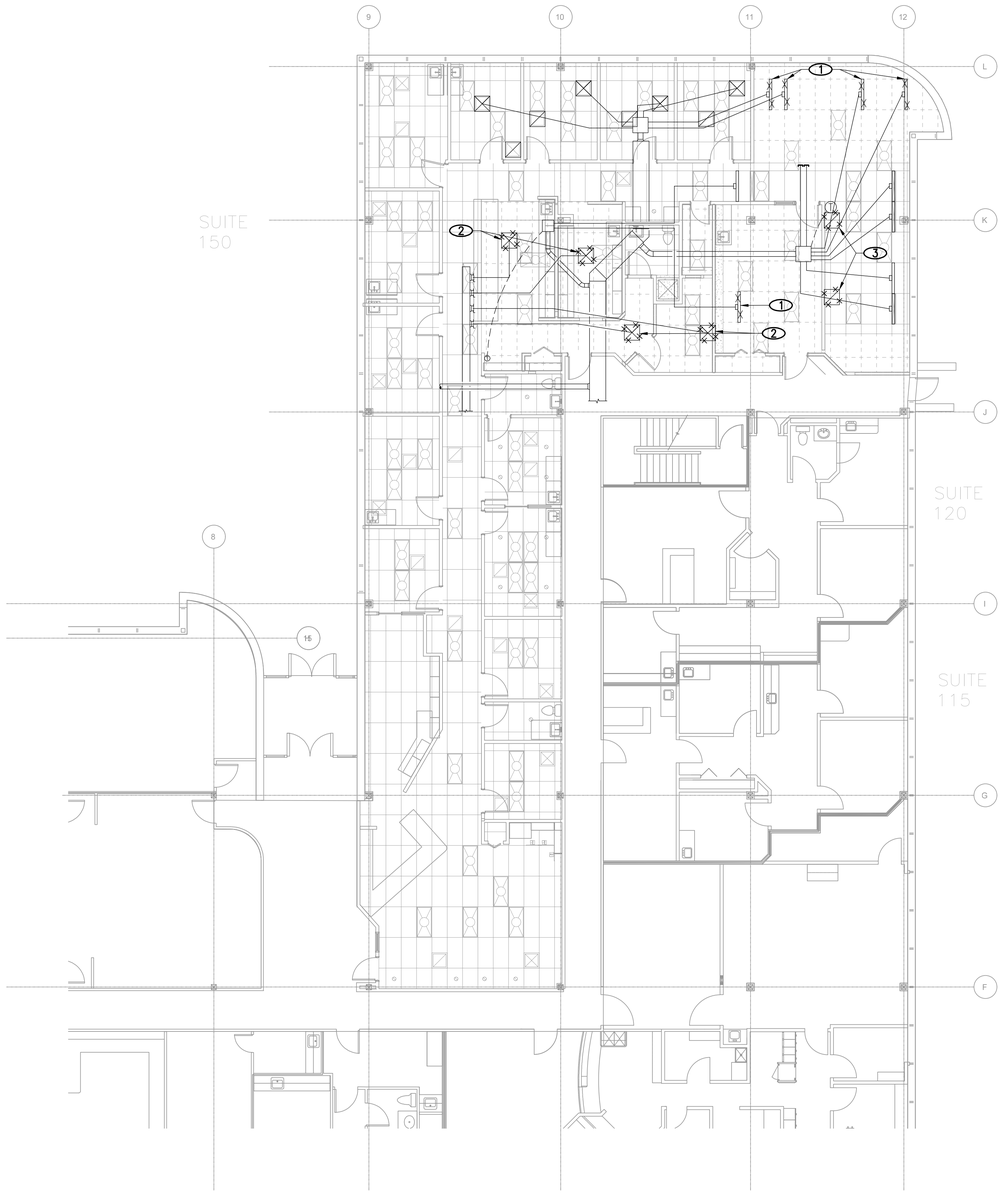
KEYNOTES

1. REMOVE EXISTING LINEAR SLOT SA DIFFUSER. SUSPEND FROM STRUCTURE. DIFFUSER TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB.
2. REMOVE EXISTING SA DIFFUSER. SUSPEND FROM STRUCTURE. DIFFUSER TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB.
3. REMOVE EXISTING RA GRILLE. STOCKPILE ONSITE. GRILLE TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB.



DEMOLITION MECHANICAL PLAN

1/8" = 1'-0"

1 MD-101

RSN: 1565796
Permit #: 2021-2025590 -LT

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

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Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:

DEMOLITION MECHANICAL PLAN

Sheet Number:

MD-101

MEC Project: 2021-056-01

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REVIEW PER 2015 IMC

OUTSIDE AIR VENTILATION CALCULATIONS

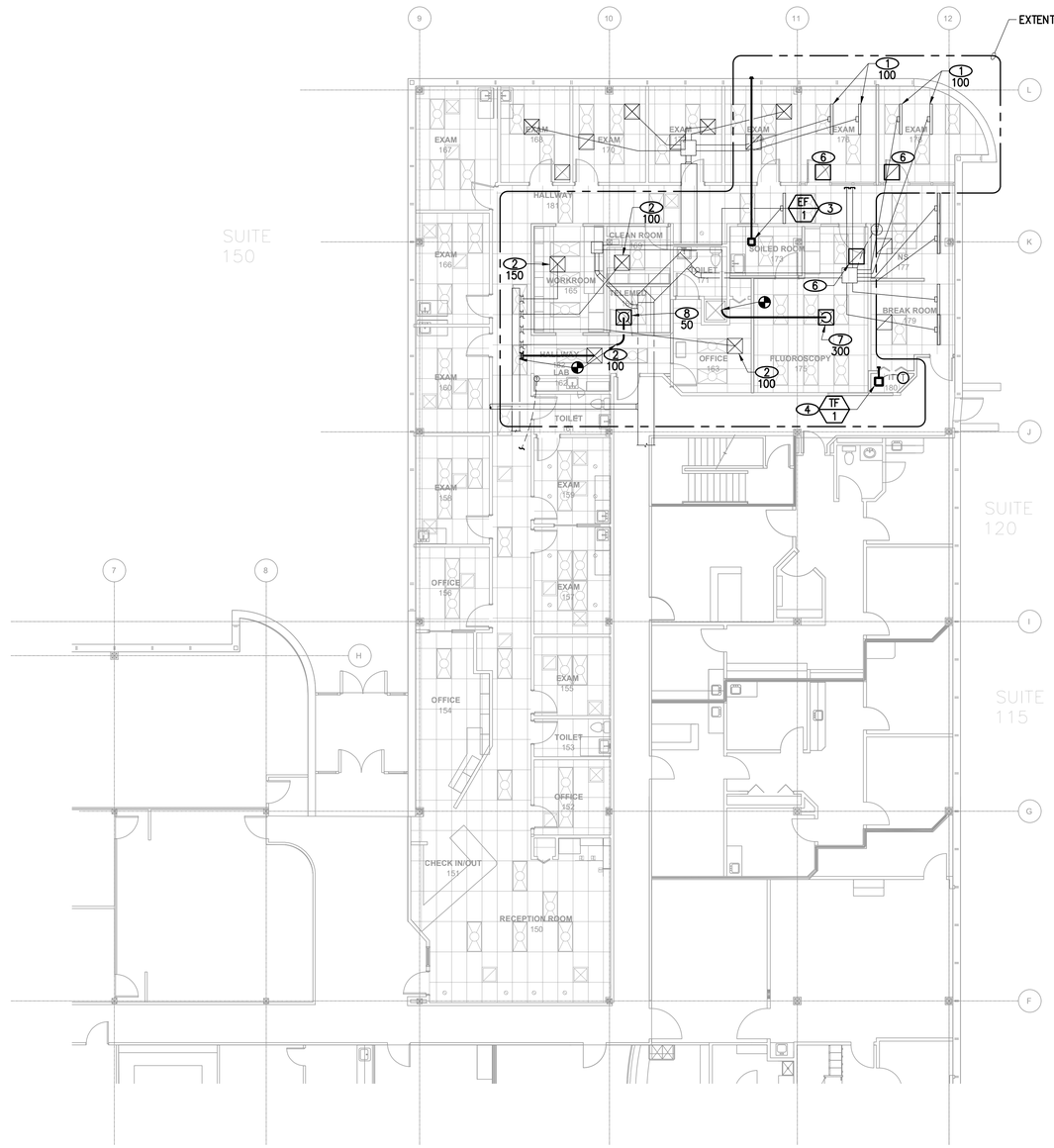
PROJECT: ALLPRIA		CODE: 2018 IMC				SYSTEM: 1ST FLOOR			
	AREA	OCCUPANCY			AREA	Ez	TOTAL REQD	SUPPLY	
ROOM	(SQFT)	#/1000 SQFT	# PEOPLE	OSA PER (CFM)	CFM/SQFT		OSA (CFM)	AIR (CFM)	% OSA
EXAM 1 176	125	5	1	5.0	0.06	0.80	16	200	8%
EXAM 1 178	145	5	1	5.0	0.06	0.80	17	200	9%
FLOUROSCOPY 175	282	5	2	5.0	0.06	0.80	34	300	11%
OFFICE 163	112	5	1	5.0	0.06	0.80	15	100	15%
WORKROOM 165	127	5	1	5.0	0.06	0.80	16	150	11%
HALLWAY 182	91	0	0	5.0	0.06	0.80	7	100	7%
TELEMED	80	5	1	5.0	0.06	0.80	12	50	25%
TOTALS	962		7				116	1,100	

SYSTEM CALCULATIONS			
SUPPLY AIR	1,100 CFM	VENTILATION SYSTEM EFFICIENCY	86%
TOTAL UNCORRECTED OSA REQD	116 CFM	SYSTEM OCCUPANT DIVERSITY	100%
AVERAGE OUTDOOR AIR %	11%	CORRECTED SYSTEM MIN OUTDOOR AIR	135 CFM

NOTES:

KEYNOTES

1. NEW LOCATION FOR PREVIOUSLY REMOVED LINEAR SLOT DIFFUSER. MODIFY RUN-OUT DUCT AS REQUIRED TO MAKE CONNECTION AS INDICATED. CFM TO REMAIN UNCHANGED.
2. NEW LOCATION FOR PREVIOUSLY REMOVED SA DIFFUSER. MODIFY RUN-OUT DUCT AS REQUIRED TO MAKE CONNECTION AS INDICATED. BALANCE TO CFM INDICATED.
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.
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.
6. PROVIDE AND INSTALL NEW RA GRILLE, KRUEGER 6490, 24/24 FACE SIZE. PROVIDE WITH HERCULES SOUNDBOOT #SB OR EQUAL.
7. PROVIDE AND INSTALL NEW SA DIFFUSER, KRUEGER MODEL SHR, 24/24 FACE, 8"ø NECK. MODIFY EXISTING DUCT AS REQUIRED TO MAKE CONNECTION. BALANCE TO CFM INDICATED.
8. PROVIDE AND INSTALL NEW SA DIFFUSER, KRUEGER MODEL SHR, 24/24 FACE, 6"ø NECK. MODIFY EXISTING DUCT AS REQUIRED TO MAKE CONNECTION. BALANCE TO CFM INDICATED. UNDERCUT DOOR 1" BY G.C.



EXHAUST FAN SCHEDULE

ITEM	MANUFACTURER/ MODEL	LOCATION/ SERVICE	MAX CFM	MAX ESP	FAN RPM	MAX FAN SONES	ELEC. DATA WATTS/HP	ELEC. DATA VOLT	ELEC. DATA PH	MAX OPERATING WEIGHT (LBS)	OVERALL DIMENSIONS	NOTES
EF 1	AIR KING/ AK100LS6	SOILED 173/ EXHAUST	75	0.25	914	1.0	26.6 WATTS	115	1	20	9-3/8" D x 10-7/8" W x 7-7/8" T	1 2 3
TF 1	AIR KING/ AK200LS	IT 180/ HEAT RELIEF	200	0.1	914	1.0	57.0 WATTS	115	1	20	12-7/8" D x 12-3/4" W x 9-7/8" T	1 2 4

NOTES:

1. PROVIDE RUBBER IN SHEAR VIBRATION ISOLATORS.
2. PROVIDE PLASTIC GRILLE, BACK DRAFT DAMPER, PLUG IN DISCONNECT
3. FAN TO BE INTERLOCKED WITH LIGHT SWITCH.
4. FAN TO BE INTERLOCKED WITH REVERSE ACTING THERMOSTAT.

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

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.

NEW WORK MECHANICAL PLAN

1/8" = 1'-0"

1 / M-101

RSN: *1565796*
Permit #: *2021-2025590 -LT*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Y. Munoz
Date: Aug 12, 2021
2015 INTERNATIONAL CODES & 2020 NEC

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COLORADO LICENSED PROFESSIONAL ENGINEER 38463 CHRISTOPHER J. MOEN NATIONAL REGISTERED

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Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:

NEW WORK MECHANICAL PLAN

Sheet Number:

M-101

MEC Project: 2021-056-01

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LUMINAIRE SCHEDULE

KEY	DESCRIPTION	MFR. & CAT.NO.	LAMP/ COLOR TEMP.	VOLTS	MOUNTING INFORMATION	LUMENS	MAX WATTS	NOTES
A	NEW VOLUMETRIC LED 2X4 TROFFER	LITHONIA LIGHTING 2VTS4-48L-ADPT-EZ1-LP830	LED 3000	120/277	RECESSED	4,800	39	
EM	LED FROG-EYE W/ EMERGENCY BATTERY PACK	MATCH EXISTING SUITE STANDARD	LED	120/277	SURFACE	---	---	
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. MAINTAIN FIRE RATING OF ALL PENETRATED UL ASSEMBLIES. PROVIDE EZ BARRIER FIXTURE HOUSING AS REQUIRED. REFER TO ARCHITECTURAL PLANS FOR CEILING RATING ASSEMBLY REQUIREMENTS.
2. COORDINATE DIMMER CONTROLLER (SWITCH) WITH FIXTURE DIMMING TYPE (0-10V,PHASE, ETC.) AND FIXTURE TYPE (FLUORESCENT, INCANDESCENT, MLV, ELV, LED)
3. REFER TO FLOOR PLANS FOR EXIT SIGN MOUNTING, NUMBER OF FACES AND CHEVRONS.
4. VERIFY FIXTURE FINISHES WITH ARCHITECT AND/OR INTERIOR DESIGNER PRIOR TO PURCHASE, ADJUST AS REQUIRED.

NOTES:

EQUIPMENT SCHEDULE

KEY	EQUIPMENT	LOAD HP,KW,FLA	VOLTS	Ø	BRANCH CKT. CONDUCTORS	COND.	DISCONNECT SWITCH	DISCONNECT FUSE	PANEL	NOTES
EF-1	EXHAUST FAN	26.6 W	120	1	2#12,1#12G.	1/2"	$TO	---	RP1E	
TF-1	TRANSFER FAN	57.0 W	120	1	2#12,1#12G.	1/2"	$TO	---	RP1E	

NOTES:
1. REFER TO MECHANICAL CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND COORDINATION OF EQUIPMENT MOUNTING LOCATIONS.

EXISTING PANEL "HP1-A"

6/28/2021 277 / 480 VOLT 3 PHASE 4 WIRE SERVICE
BUS RATING: 400A MAIN: MLO MOUNTING: SURFACE
LOCATION: LEVEL 1 CORRIDOR ELEC RM PROJECT: ALLPRIA
COMMENTS: EXISTING JOB NO.: 2021-043-00

TYPE	NOTE	DESCRIPTION	BRKR	CCT	LOAD	Ø	LOAD	CCT	BRKR	DESCRIPTION	NOTE	TYPE
E		PANELS RP2, RP2A, RP2B	125/3	1	20784	A	4988	2	30/3	EXISTING LOAD		E
E		-----	---	3	20784	B	4988	4	---	-----		E
E		-----	---	5	20784	C	4988	6	---	-----		E
E		EXISTING LOAD	125/3	7	20784	A	8584	8	70/3	PANEL RP1E		RME
E				9	20784	B	8640	10				RE
E		-----	---	11	20784	C	7940	12	---	-----		RE
E		EXISTING LOAD	30/3	13	4988	A	4988	14	30/3	ATRIUM CONDENSER		M
E		-----	---	15	4988	B	4988	16	---	-----		M
E		-----	---	17	4988	C	4988	18	---	-----		M
C		LIGHTING S.E.	20/3	19	3324	A	4988	20	30/3	ATRIUM SPLIT SYSTEM		M
C		LIGHTING SPORTS MED	---	21	3324	B	4988	22	---	-----		M
C		LIGHTING SPORTS MED	---	23	3324	C	4988	24	---	-----		M
E		RADIANT CEILING PANELS	20/1	25	3000	A	3325	26	20/3	EXISTING LOAD		E
E		RADIANT CEILING PANELS	20/1	27	3000	B	3325	28	---	-----		E
E		RADIANT CEILING PANELS	20/1	29	3000	C	3325	30	---	-----		E
		SPARE	20/1	31	0	A	16627	32	100/3	EXISTING LOAD		E
E		RADIANT CEILING PANELS	20/1	33	3000	B	16627	34	---	-----		E
E		RADIANT CEILING PANELS	20/1	35	3000	C	16627	36	---	-----		E
E		RADIANT CEILING PANELS	20/1	37	3000	A	3000	38	20/1	RADIANT CEILING PANELS		E
		SPARE	20/1	39	0	B	0	40	20/1	SPARE		
		SPARE	20/1	41	0	C	3000	42	20/1	RADIANT CEILING PANELS		E

	CONNECTED VA A	B	C	D.F.	DEMAND VA A	B	C	THIS PANELS TOTAL LOAD INCLUDES THE FOLLOWING LOADS:
CONTINUOUS / LIGHTING	3,324	3,324	3,324	1.25	4,155	4,155	4,155	SUBFEED BRKR 1
RECEPT. (FIRST 10 KW)	3,420	5,760	820	1.00	3,420	5,760	820	0 VA
RECEPT. (REMAINDER)	0	0	2,240	0.50	0	0	1,120	0.0 AMPS
MOTORS	10,060	9,976	9,976	1.00	10,060	9,976	9,976	
LARGEST MOTOR				1.25	0	0	0	SUBFEED BRKR 2
KITCHEN	0	0	0	1.00	0	0	0	0 VA
MISCELLANEOUS	85,576	80,376	85,376	1.00	85,576	80,376	85,376	0.0 AMPS
TOTAL	102,380	99,436	101,736		103,211	100,267	101,447	
								FEED THRU PANEL DESIGNATION:
TOTAL DEMAND VA					304,925		VA	0 VA
TOTAL DEMAND AMPS					366.8		AMPS	0.0 AMPS

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

NOTES:
1. ALL DEVICES SHOWN ABOVE IN LIGHT LINE WEIGHT ARE EXISTING TO REMAIN. ALL NEW WORK IS SHOWN IN BOLD.

EXISTING PANEL "RP1E"

6/28/2021 120 / 277 VOLT 3 PHASE 4 WIRE SERVICE
BUS RATING: 225A MAIN: 200A MCB MOUNTING: SURFACE
LOCATION: LEVEL 1 CORRIDOR ELEC RM PROJECT: ALLPRIA
COMMENTS: EXISTING JOB NO.: 2021-043-00

TYPE	NOTE	DESCRIPTION	BRKR	CCT	LOAD	Ø	LOAD	CCT	BRKR	DESCRIPTION	NOTE	TYPE
E		HOT H2O HEATER/VENDING	20/1	1	1200	A	1440	2	20/3	TREADMILL ST 120		E
R		UPS OUTLET 30A	30/1	3	2160	B	1440	4	---	-----		E
E		COFFEE MAKER ST 110	20/1	5	1000	C	1440	6	---	-----		E
R		MEDICATION ROOM ST 110	20/1	7	1080	A	1440	8	20/3	EXISTING LOAD		E
R		MEDICATION ROOM ST 110	20/1	9	1080	B	1440	10	---	-----		E
R		GENERAL PURPOSE ST 110	20/1	11	1080	C	1440	12	---	-----		E
R		WIREMOLD ST 110	20/1	13	1260	A	1000	14	20/1	SUITE 110 DED COPIER REC		E
R		TV/EXAM OUTLET ST 110	20/1	15	1080	B	360	16	20/1	IT ROOM DED QUAD		R
R		NORTH CHAMBER/TV ST 110	20/1	17	1080	C	360	18	20/1	EXAM ROOM RECS		R
R		SOUTH CHAMBER/TV ST 110	20/1	19	1080	A	84	20	20/1	EF-1, TF-1		M
R		IT ROOM ST 110	20/1	21	720	B	360	22	20/1	LAB RECS		R
E		COPIER ST 110	20/1	23	1000	C	540	24	20/1	WORKROOM/CLEAN RM RECS		R
		BUSSED SPACE		25	0	A	0	26		BUSSED SPACE		
		BUSSED SPACE		27	0	B	0	28		BUSSED SPACE		
		BUSSED SPACE		29	0	C	0	30		BUSSED SPACE		
		BUSSED SPACE		31	0	A	0	32		BUSSED SPACE		
		BUSSED SPACE		33	0	B	0	34		BUSSED SPACE		
		BUSSED SPACE		35	0	C	0	36		BUSSED SPACE		
		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	THIS PANELS TOTAL LOAD INCLUDES THE FOLLOWING LOADS:
CONTINUOUS / LIGHTING	0	0	0	1.25	0	0	0	SUBFEED BRKR 1
RECEPT. (FIRST 10 KW)	2,800	4,680	2,520	1.00	2,800	4,680	2,520	0 VA
RECEPT. (REMAINDER)	620	1,080	540	0.50	310	540	270	0.0 AMPS
MOTORS	84	0	0	1.00	84	0	0	
LARGEST MOTOR				1.25	0	0	0	SUBFEED BRKR 2
KITCHEN	0	0	0	1.00	0	0	0	0 VA
MISCELLANEOUS	5,080	2,880	4,880	1.00	5,080	2,880	4,880	0.0 AMPS
TOTAL	8,584	8,640	7,940		8,274	8,100	7,670	
								FEED THRU PANEL DESIGNATION:
TOTAL DEMAND VA					24,044		VA	0 VA
TOTAL DEMAND AMPS					50.1		AMPS	0.0 AMPS

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

NOTES:
1. ALL DEVICES SHOWN ABOVE IN LIGHT LINE WEIGHT ARE EXISTING TO REMAIN. ALL NEW WORK IS SHOWN IN BOLD.

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.

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 2015 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.

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

Every circuit and circuit modification shall be legibly Identified as to it's clear, evident and specific purpose or use. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others. 2020 NEC 408.4

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

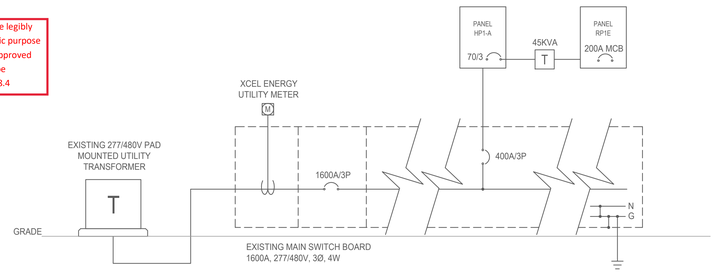
- DELTA REVISION NOTE
- TWO WAY COMMUNICATION
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM PANEL
- FIRE ALARM ANNUNCIATOR CONTROL PANEL
- MANUAL PULL STATION
- FIRE STROBE
- FIRE HORN OR SPEAKER WITH STROBE
- FIRE ALARM HORN & LIGHT
- FIRE ALARM HORN
- MAGNETIC DOOR HOLDER
- FIRE ALARM FLOW SWITCH
- TAMPER 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
- ABOVE FINISH FLOOR
- ABOVE COUNTER - VERIFY HEIGHT
- ABOVE COUNTER/GROUND FAULT INTERRUPTING CIRCUIT
- EXISTING TO REMAIN
- ELECTRICAL CONTRACTOR
- EXHAUST FAN
- EXISTING TO BE RELOCATED
- EXISTING TO BE REMOVED
- ELECTRICAL WATER COOLER
- GROUND FAULT INTERRUPTING
- HOUSE PHONE
- INSTA HOT
- PARTIAL CIRCUIT USED IN MULTIPLE LOCATIONS
- SAME AS (P)
- SURFACE MOUNTED DEVICE
- TELEPHONE TERMINAL BOARD
- UNLESS OTHERWISE NOTED
- WEATHER PROOF/GROUND FAULT INTERRUPTING
- WEATHER PROOF

LOAD SUMMARY - MAIN SWITCHBOARD

1600A, 277/480V, 3Ø, 4W

LOAD IDENTIFICATION	CONNECTED LOAD (VA)	CONNECTED LOAD (A)
*EXISTING LOAD ON MSB	602.031	724.1
LOAD REMOVED VIA DEMO LTG	-1,692	-2.0
LOAD ADDED VIA NEW LTG	858	1.0
LOAD ADDED VIA PANEL HP1-A/RP1E	1,704	2.0
TOTAL LOAD ON 1600A SERVICE	602.901	725

NOTES:
* LOAD IS BASED UPON XCEL ENERGY PEAK DEMAND AT 125%.



1 E002 EXISTING PARTIAL ELECTRICAL ONE-LINE DIAGRAM

SCALE: NOT TO SCALE

NOTE:
1. ALL EQUIPMENT SHOWN ABOVE ON ONE-LINE DIAGRAM IS EXISTING TO REMAIN.

ELECTRICAL CONSTRUCTION SPECIFICATION

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE AND FUNCTIOINING 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 P

COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: ALLPRIA
Project Type: New Construction

Construction Site:
1400 S. POTOMAC ST.
SUITE 150
AURORA, CO 80012

Owner/Agent:

Designer/Contractor:
NICK GOULET
MV CONSULTING
4640 PECOS ST
UNIT F
DENVER, CO 80211

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-ALLPRIA REMODEL (Health Care-Clinic)	1201	0.81	973
		Total Allowed Watts =	973

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-ALLPRIA REMODEL (Health Care-Clinic)				
LED 1: A: LED 2X4: Other:	1	22	39	858
		Total Proposed Watts =		858

Interior Lighting PASSES: Design 12% 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 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Nick Goulet — Nick Goulet — 06-18-2021
Name - Title — Signature — Date

COMcheck Software Version 4.1.5.1

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% 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]†	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	Requirement will be met.
C406 [PR9]†	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	Requirement will be met.

Additional Comments/Assumptions:

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15]†	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]†	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]†	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]†	Automatic controls to shut off all building lighting installed in all buildings.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Lighting controlled by occupancy sensors.
C405.2.3 [EL16]†	Daylight zones provided with individual controls that control the lights independent of general area lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.3, C405.2.3.1, C405.2.3.2 [EL20]†	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]†	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]†	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]†	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]†	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]†	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.4.1 [FI18]†	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]†	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33]†	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

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41304
PROFESSIONAL ENGINEER
07/02/2021

Issuance	Date
CONSTRUCTION DOCUMENTS	07/02/2021

Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
COMCHECK

Sheet Number:
E-002

MVC Project: 2021-043-00

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City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: William Griffin
Date: Aug 05, 2021
2015 INTERNATIONAL CODES & 2020 NEC

RSN: 1565796
Permit #: 21-2025590 LT

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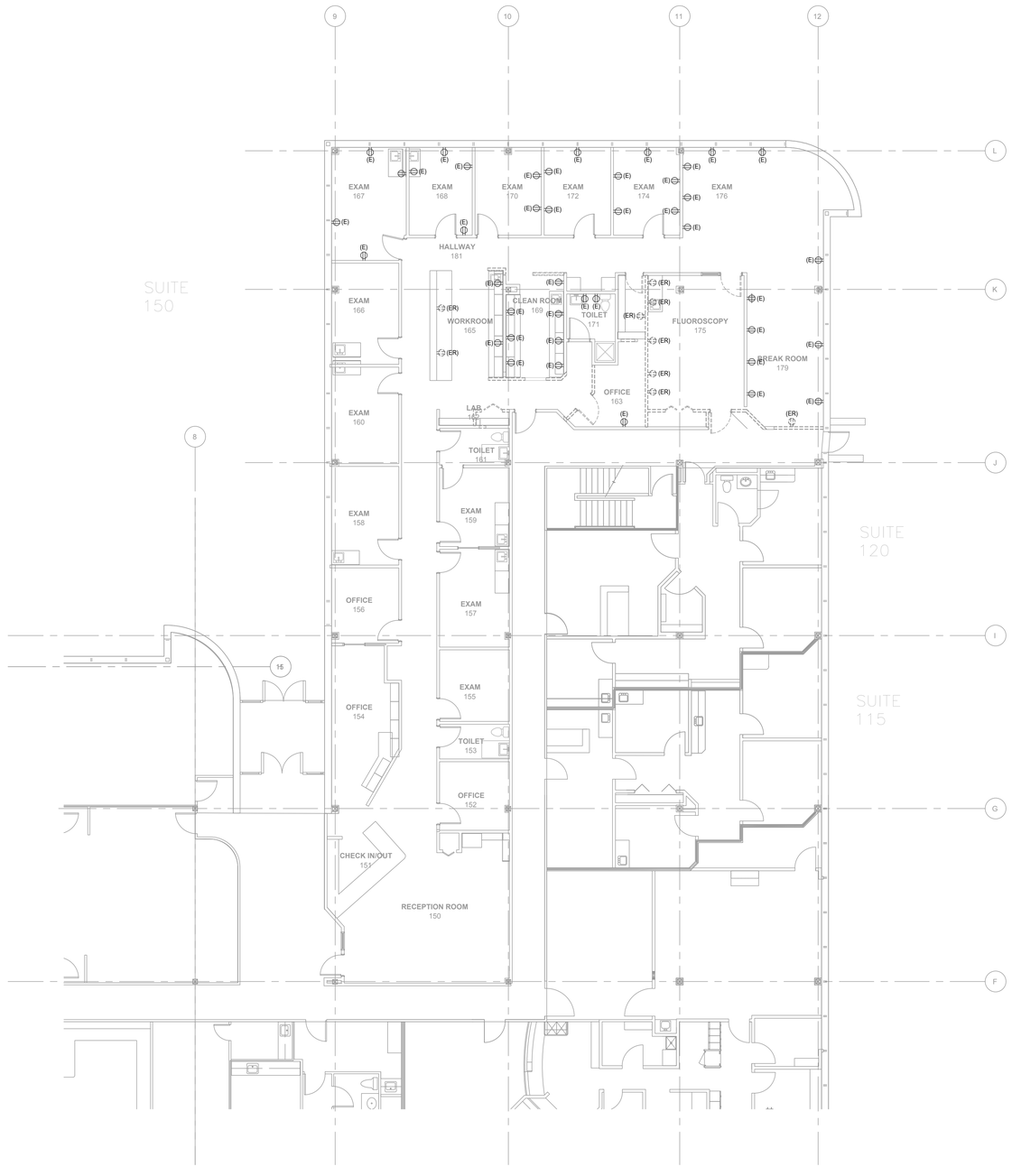
This sheet of drawings has not been reviewed for code compliance.

GENERAL NOTES

1. ALL DEVICES SHOWN BELOW IN SOLID LIGHT LINE WEIGHT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. ALL DEVICES SHOWN BELOW IN DASHED LIGHT LINE WEIGHT ARE EXISTING TO BE RELOCATED. REFER TO SHEET E-100 FOR NEW DEVICE MOUNTING LOCATIONS.



1 ED-100 DEMO LEVEL 1 POWER PLAN

1/8" = 1'-0"

RSN: 1565796
Permit #: 21-2025590 LT

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Revisions	Date	No.

Project Information

ALLPRIA
1400 S. POTOMAC, SUITE 150
AURORA, CO 80012

Sheet Information

Sheet Title:
DEMO LEVEL 1 POWER PLAN

Sheet Number:
ED-100

MVC Project: 2021-043-00

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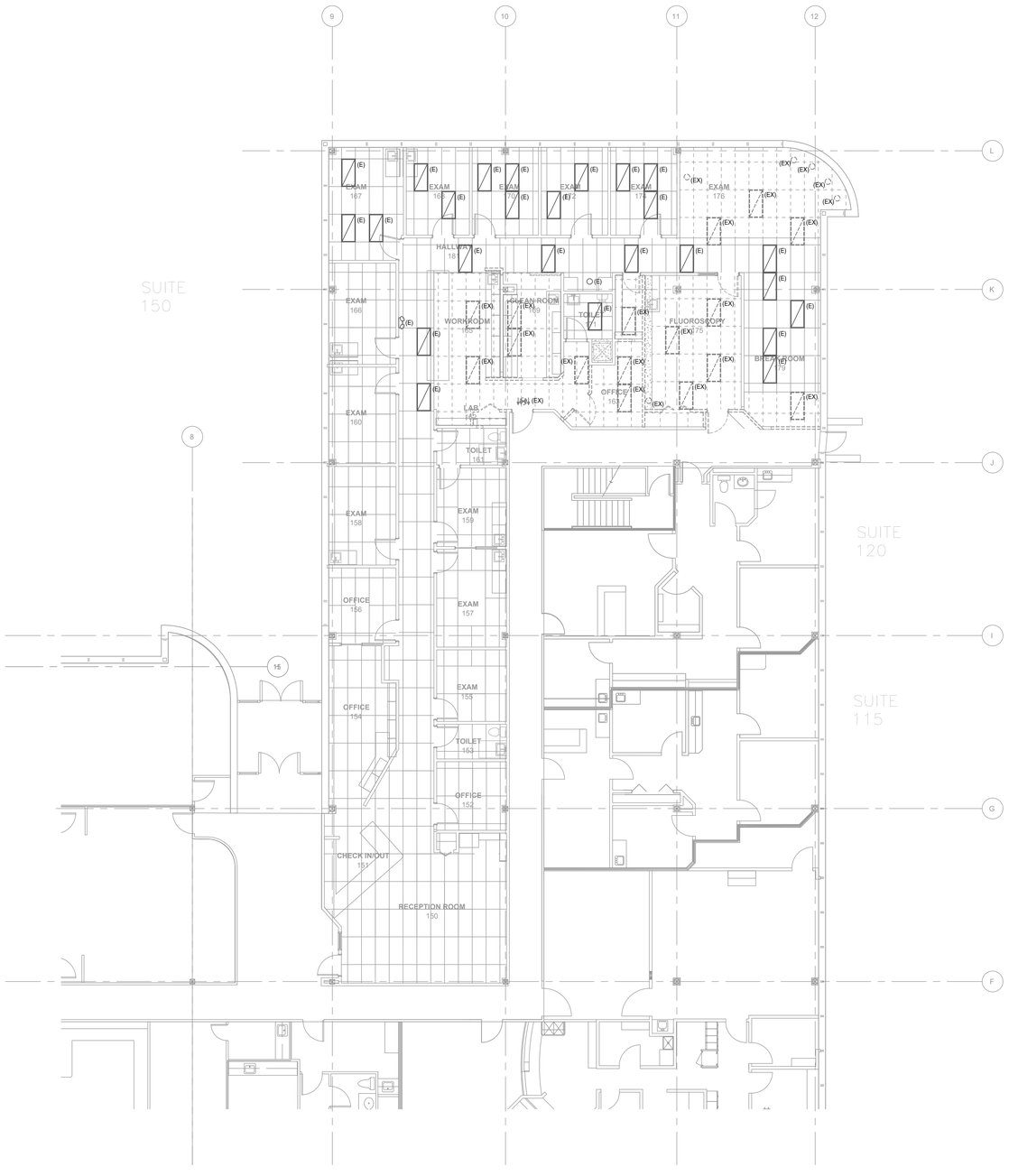
GENERAL NOTES

1. ALL FIXTURES SHOWN BELOW IN SOLID LIGHT LINE WEIGHT ARE EXISTING TO REMAIN. ALL FIXTURES SHOWN BELOW IN DASHED LIGHT LINE WEIGHT ARE EXISTING TO BE REMOVED.



1 ED-101 DEMO LEVEL 1 LIGHTING PLAN

1/8" = 1'-0"

RSN: 1565796
Permit #: 21-2025590 LT

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Sheet Information

Sheet Title:
DEMO LEVEL 1 LIGHTING PLAN

Sheet Number:
ED-101

MVC Project: 2021-043-00

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GENERAL NOTES

1. ALL DEVICES SHOWN BELOW IN SOLID LIGHT LINE WEIGHT ARE EXISTING TO REMAIN. ALL DEVICES SHOWN BELOW IN DASHED LIGHT LINE WEIGHT ARE EXISTING TO BE RELOCATED. ALL NEW WORK IS SHOWN IN BOLD.

◇ DETAIL NOTES

1 RECEPTACLE IS EXISTING TO BE RELOCATED. SEE CONSTRUCTION PLANS BELOW FOR NEW DEVICE MOUNTING LOCATION, FIELD VERIFY WITH ARCHITECT. E.C. SHALL EXTEND ALL BRANCH CIRCUIT CONDUCTORS AND CONDUIT AS REQUIRED IN ORDER TO MAINTAIN CIRCUIT CONTINUITY OF ALL CONNECTED DEVICES.

Recepts within 6' of a sink shall be GFI protected per 2020 NEC Art. 210.8.

Locate the required overcurrent Protection per 2020 NEC 240.21

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

Wiring in air handling space must comply with 2020 NEC 300.22. Firestop penetrations per 2020 NEC 300.21. Secure and support equipment per 2020 NEC 300.11.



1 ED-100 NEW LEVEL 1 POWER PLAN

1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *William Griffin*
Date: *Aug 05, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

RSN: *1565796*
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Project Information

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NEW LEVEL 1 POWER PLAN

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E-100

MVC Project: 2021-043-00

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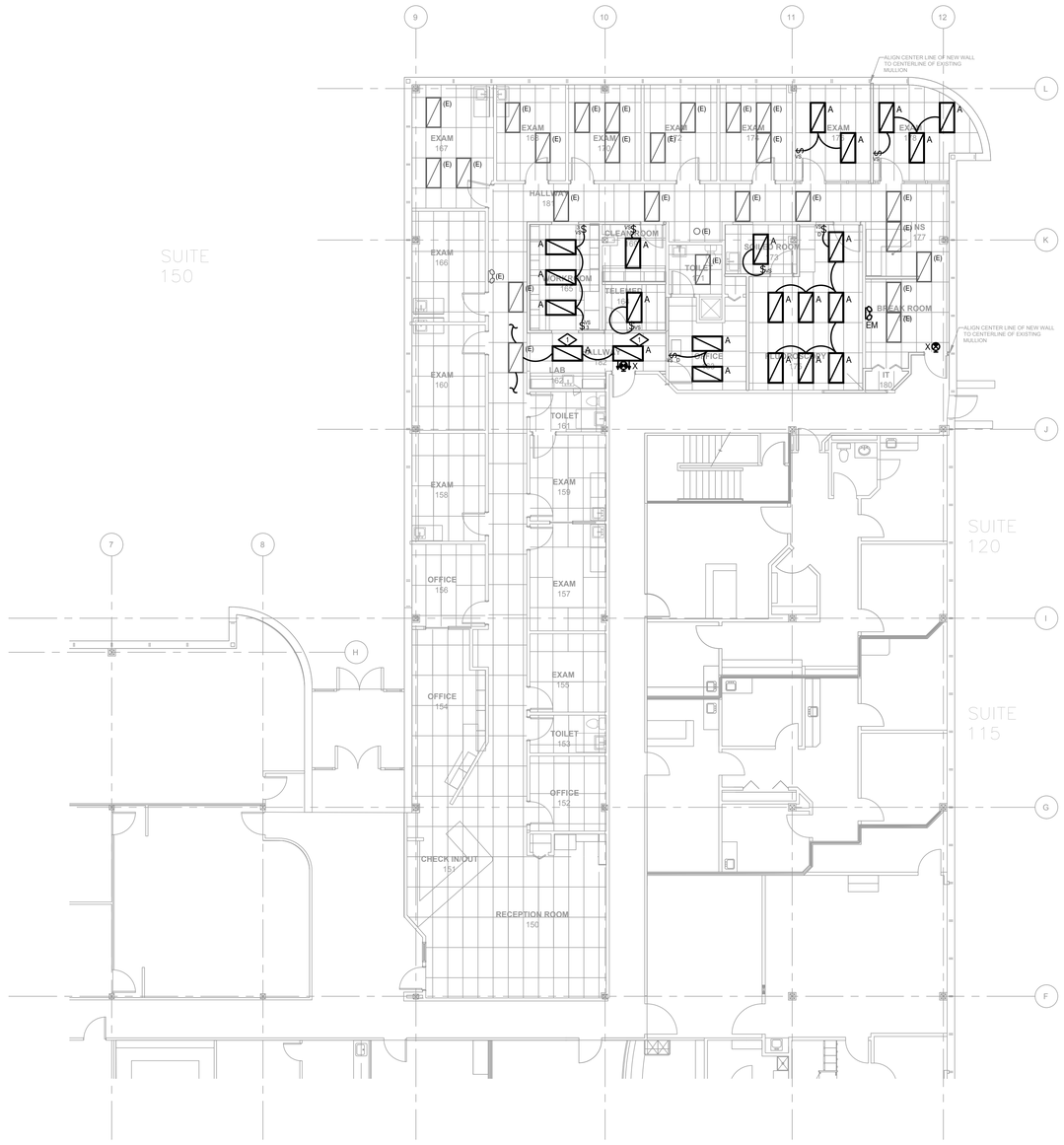
An after-hours inspection to verify required egress illumination may be required during field inspection.
2015 IBC 1008

GENERAL NOTES

1. ALL FIXTURES SHOWN BELOW IN SOLID LIGHT LINE WEIGHT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. ALL NEW WORK IS SHOWN IN BOLD.
2. E.C. SHALL RE-USE THE EXISTING LIGHTING CIRCUIT PREVIOUSLY BEING USED TO SERVE THE REMOVED FIXTURES IN ORDER TO RE-FEED ALL THE NEW LED 2X4 TROFFERS. REFER TO SHEET ED-101 FOR ADDITIONAL INFORMATION. TOTAL LIGHTING LOAD HAS BEEN REDUCED. RE-SWITCH AS SHOWN ON PLANS BELOW.
3. CONNECT ALL NEW EXIT SIGNS AND EMERGENCY FROG-EYE FIXTURES TO THE NEAREST AVAILABLE LIGHTING CIRCUIT. BACK UP BATTERY PACKS SHALL BE CONNECTED AHEAD OF SWITCH LEG.

◇ DETAIL NOTES

1. NEW LED 2X4 FIXTURES SHALL BE CIRCUITED AND SWITCHED WITH THE ADJACENT CORRIDOR LIGHTING. E.C. SHALL EXTEND ALL BRANCH CIRCUIT CONDUCTORS AND CONDUIT AS REQUIRED IN ORDER TO MAINTAIN CIRCUIT CONTINUITY OF ALL CONNECTED DEVICES.



1 E-101 NEW LEVEL 1 LIGHTING PLAN
1/8" = 1'-0"

Locate the required overcurrent Protection per 2020 NEC 240.21

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

Wiring in air handling space must comply with 2020 NEC 300.22. Firestop penetrations per 2020 NEC 300.21. Secure and support equipment per 2020 NEC 300.11.

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *William Griffin*
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2015 INTERNATIONAL CODES & 2020 NEC

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Project Information

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Sheet Information

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NEW LEVEL 1 LIGHTING PLAN

Sheet Number:
E-101

MVC Project: 2021-043-00

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