VOLUME ISSUE #1 OF: #1 Architecture

City of Aurora Building Division
Project: *Tenant Improvement*
Address: *1400 S Potomac St, Unit 201*
Occupancy Group: *B*
Construction Type: *IIN-Spk*
RSN: *1480498*
Permit: *20-1851521-LT*

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

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

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

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

New CO required

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted:*jlocke*
Date:*Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

DAVIS PARTNERSHIP ARCHITECTS

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STATE OF COLORADO
J.D. DRIVER
203337
07.29.20
LICENSED ARCHITECT

Issue Date:

07/29/2020

Project:

20059.00

COLORADO NEUROLOGY

1400 S. Potomac, Suite 201
Aurora Colorado

Original Issuance:

CONSTRUCTION DOCUMENTS

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RSN: 1480498
Permit#: 20-1851521-LT

Sheet Index

SHEET INDEX

Number	Sheet	Issuance	Issue Date	Revision Name	Revision Date
General					
G-000	COVER	CONSTRUCTION DOCUMENTS	07/29/2020		
G-001	SHEET INDEX AND PROJECT DATA	CONSTRUCTION DOCUMENTS	07/29/2020		
Life Safety					
LS102	LIFE SAFETY PLAN - LEVEL TWO	CONSTRUCTION DOCUMENTS	07/29/2020		
Architectural Demolition					
AD102	DEMOLITION FLOOR PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
AD152	DEMOLITION REFLECTED CEILING PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
Architectural					
A-102	OVERALL FLOOR PLAN - LEVEL TWO	CONSTRUCTION DOCUMENTS	07/29/2020		
A-152	OVERALL REFLECTED CEILING PLAN - LEVEL TWO	CONSTRUCTION DOCUMENTS	07/29/2020		
A-400	ENLARGED PLANS, INTERIOR ELEVATIONS & DETAILS	CONSTRUCTION DOCUMENTS	07/29/2020		
A-550	INTERIOR DETAILS	CONSTRUCTION DOCUMENTS	07/29/2020		
A-602	FINISH PLAN AND FINISH LEGEND	CONSTRUCTION DOCUMENTS	07/29/2020		
A-710	INTERIOR PARTITON TYPES	CONSTRUCTION DOCUMENTS	07/29/2020		
General					
M-001	MECHANICAL COVER SHEET	CONSTRUCTION DOCUMENTS	07/29/2020		
Mechanical Demolition					
MD102	LEVEL 2 DEMOLITION MECHANICAL PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
Mechanical					
M-102	LEVEL 2 NEW WORK MECHANICAL PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
General					
P-001	PLUMBING COVER SHEET	CONSTRUCTION DOCUMENTS	07/29/2020		
Plumbing Demolition					
PD102	LEVEL 2 DEMOLITION PLUMBING PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
Plumbing					
P-102	LEVEL 2 NEW WORK PLUMBING PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		
P-301	PLUMBING SCHEDULES AND DETAILS	CONSTRUCTION DOCUMENTS	07/29/2020		
Electrical					
E-0.0	ONELINE, NOTES, AND SCHEDULES	CONSTRUCTION DOCUMENTS	07/29/2020		
E-1.0	POWER & LIGHTING PLAN	CONSTRUCTION DOCUMENTS	07/29/2020		



2 **ORIENTATION PLAN**
3/64" = 1'-0"

7/29/2020 12:09:51 PM

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

NOTES TO GENERAL CONTRACTOR

1. DOOR HARDWARE VENDOR - ENGLEWOOD LOCK

ATERNATES

1. FRONT ENTRY DOOR
   A. BASE BID - EXISTING DOOR REMAINS - ADD KICKPLATE TO COVER DAMAGE
   B. ALTERNATE - REPLACE DOOR WITH STYLE WD-F1
2. PAINT
   A. ADD ALTERNATE TO REPAINT THE ENTIRE SUITE
   B. ADD ALTERNATE TO REPAINT DOOR FRAMES
3. FINISH TYPESPWT1 -
   A. PROVIDE DEDUCT ALTERNATE TO INSTALL DALTILE COLOR WHEEL LINEAR 4.25" X 12 7/8" SUBWAY TILE, COLOR TBD.
4. CORNER GUARDS
   A. PROVIDE ADD ALTERNATE TO PROVIDE NEW CORNER GUARDS THROUGHOUT SUITE - ON ALL OUTSIDE CORNERS.
5. A.

STANDARD ABBREVIATIONS LEGEND

NOTE:	FOR ADDITIONAL ABBREVATIONS; REFER TO SPECIFICATION 01 4200 FOR COMPLETE INDUSTRY STANDARD ABBREVIATION LIST
A	
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT or ARCHITECTURAL
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS
AUX	AUXILIARY
B	
BLDG	BUILDING
BSMT	BASEMENT
BTWN	BETWEEN
C	
CD	CONSTRUCTION DOCUMENTS or CONTRACT DOCUMENTS
CJ	CONSTRUCTION JOINT or CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CORR	CORRIDOR
D	
DBL	DOUBLE
DEMO	DEMOLISH or DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION or DIMENSIONAL
DW	DISHWASHER
DWG	DRAWING
E	
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
F	
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FURNITURE, FIXTURES AND EQUIPMENT
FHC	FIRE HOSE CABINET
G	
GA	GAUGE
GALV	GALVANIZED
H	
HB	HOSE BIBB
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION and AIR CONDITIONING
I	
IBC	INTERNATIONAL BUILDING CODE
J	
JAN	JANITOR
JT	JOINT
L	
L	ANGLE
M	
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL and PLUMBING
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	
OC	ON-CENTER
OPNG	OPENING
OPP	OPPOSITE
P	
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
Q	
QTY	QUANTITY
R	
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
S	
SAN	SANITARY
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ	SQUARE
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STOR	STORAGE
T	
TO	TOP OF
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VIF	VERIFY IN FIELD
W	
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT
WT	WEIGHT

ARCHITECTURAL SYMBOLS LEGEND

BUILDING SECTION REFERENCE — # / X-###

WALL SECTION REFERENCE — # / X-###

DETAIL ELEVATION REFERENCE — # / X-###

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

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

DETAIL CALLOUT — TYP. / # / X-###

DIMENSION LINE — 8' - 2"

CENTERLINE

GRID LABEL - NEW — #

GRID LABEL - EXISTING — #

ELEVATION LABEL

EXTERIOR SYSTEM TAG — PWS-MET2A

INTERIOR PARTITION TYPE TAG — X#x

WINDOW TAG — W#

CURTAIN WALL TAG — C#

STOREFRONT TAG — S#

SPOT ELEVATION — 100'-0"

DOOR TAG — ####X

ROOM TAG — ROOM NAME / ####

AREA TAG — AREA NAME / 150 SF

CEILING HEIGHT TAG

FINISH TAG — XX#

VIEW REFERENCE

KEYNOTE AND LEADER-TYPE 1 — F15

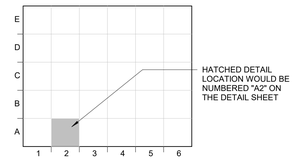
KEYNOTE AND LEADER-TYPE 2 — 07 2700 - SHEET WATERPROOFING

REVISION CLOUD AND TAG — 1

NORTH ARROW

GRAPHIC SCALE

DETAIL NUMBERING BATTLESHIP GRID ORDER



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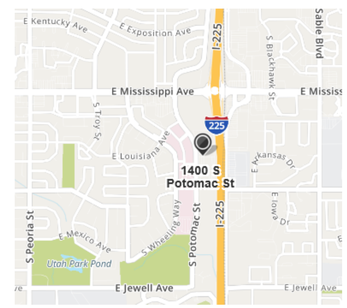
Approved as Noted: jlocke
Date: Aug 21, 2020
2015 INTERNATIONAL CODES & 2020 NEC

Location Map



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#03337
07.29.20
LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	07/29/2020

Revision	Date	No.

Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
SHEET INDEX AND PROJECT DATA

Sheet Number:
G-001

DPA Project: 20059.00

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PRINT TARGET
Permit#: 20-1851521-LT

PROJECT DESCRIPTION: THIS PROJECT IS A 3,163 SF REDUCTION IN SPACE AND REMODEL TO AN EXISTING MEDICAL OFFICE IN AN EXISTING MEDICAL OFFICE BUILDING

APPLICABLE BUILDING CODES:

2015	INTERNATIONAL BUILDING CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE
2015	INTERNATIONAL MECHANICAL CODE
2015	INTERNATIONAL FUEL GAS CODE
2015	INTERNATION PLUMBING CODE
2017	NATIONAL ELECTRICAL CODE
2015	INTERNATIONAL FIRE CODE
2015	INTERNATIONAL EXISTING BUILDING CODE

IIN-Spk, non-combustible interior walls

CORE SHELL CONSTRUCTION

CONSTRUCTION TYPE:	TYPE III - NON COMBUSTIBLE INTERIOR WALLS OF ANY MATERIAL
OCCUPANCY CLASSIFICATION:	B OCCUPANCY
LIFE SAFETY SYSTEMS:	FULLY SPRINKLERED
MAX. TRAVEL DISTANCE ALLOWED TO EXIT:	300'
NUMBER OF EXITS REQUIRED:	2
NUMBER OF EXITS PROVIDED:	3

PROJECT / SUITE SPECIFIC CODE SUMMARY:

OCCUPANCY CLASSIFICATION GROUP:	B
TOTAL SQUARE FOOTAGE OF TENANT	3163 SF
GROUP B OCCUPANTS [PROVIDE FORMULA]	32 OCCUPANTS (1 OCCUPANT PER 100 SF)
EGRESS REQUIREMENT [PROVIDE FORMULA]	32 X 0.20 = 6.4" (36" MIN. WIDTH)
NUMBER OF EXITS REQUIRED	2
NUMBER OF EXITS PROVIDED	3
COMMON PATH OF EGRESS TRAVEL PATH [1014.3]	100 FT (WITH SPRINKLERS)
EXIT ACCESS TRAVEL DISTANCE [1016.1]	300 FT (WITH SPRINKLERS)
CORRIDORS [SPRINKLER / HOURS / RATED]	FULLY SPRINKLERED / 0 RATING

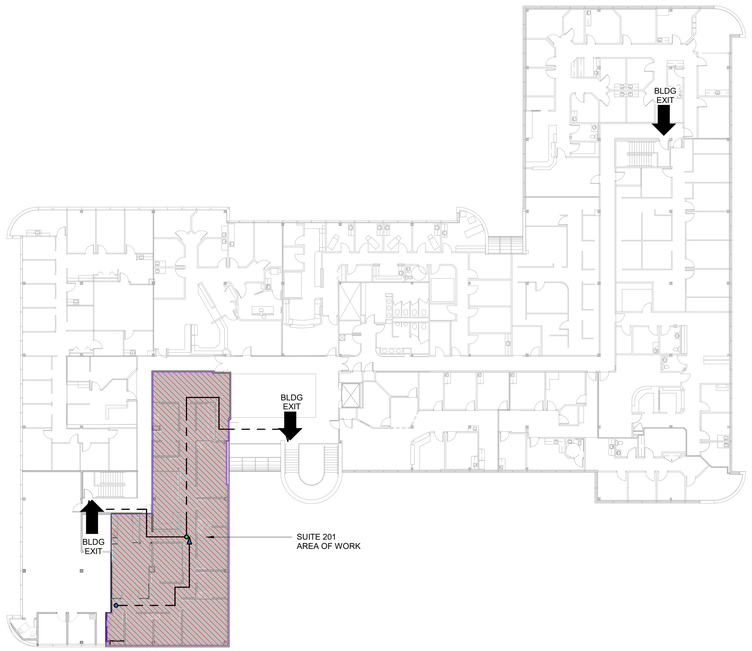
WHERE 2 EXITS ARE REQUIRED THE EXIT DOORS MUST BE PLACED NOT LESS THAN 1/3 OF THE OVERALL DIAGONAL DIMENSION OF THE SPACE

NOTES:
1.

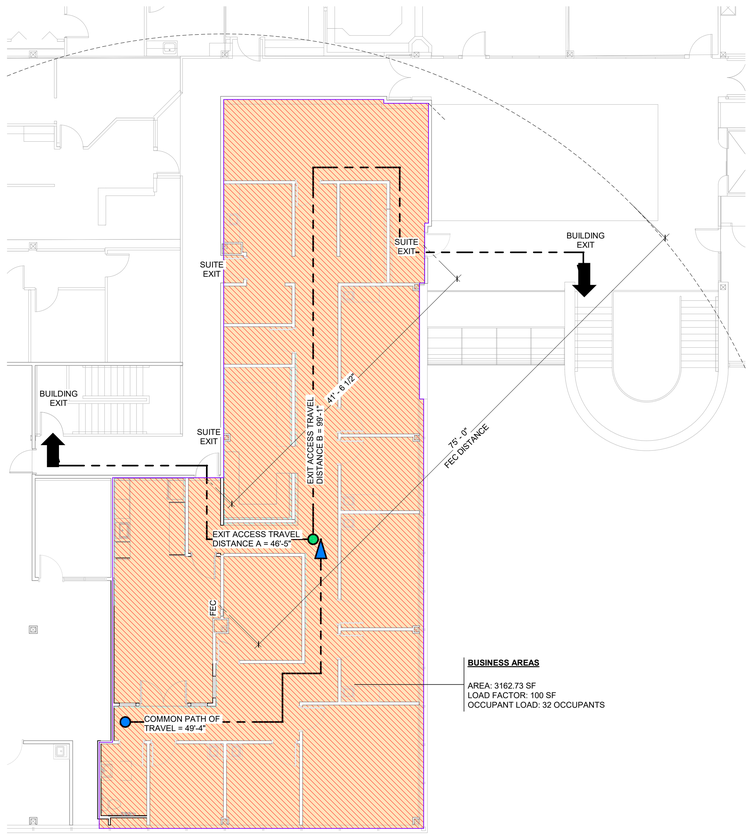
COMMON PATH OF TRAVEL + EGRESS PATH OF TRAVEL A
49'-4" + 46'-5" = 95'-5"
TOTAL TRAVEL DISTANCE TO EXIT = 95'-5"

COMMON PATH OF TRAVEL + EGRESS PATH OF TRAVEL B
49'-4" + 99'-1" = 148'-5"
TOTAL TRAVEL DISTANCE TO EXIT = 148'-5"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: jlocke
Date: Aug 21, 2020
2015 INTERNATIONAL CODES & 2020 NEC



1 **LEVEL TWO OVERALL LIFE SAFETY PLAN**
3/64" = 1'-0"



2 **SUITE 201 ENLARGEDLIFE SAFETY PLAN**
1/8" = 1'-0"

Life Safety General Notes

NOTES:

1. WHERE 2 EXITS ARE REQUIRED THE EXIT DOORS MUST BE PLACED NOT LESS THAN 1/3 OF THE OVERALL DIAGONAL DIMENSION OF THE SPACE

2.WHERE AN EXISTING BUILDING ELEMENT SUCH AS A WALL, COLUMN, ROOF, OR ANY OTHER ELEMENT IS NOTED AS HAVING EXISTING RATING, CONTRACTOR TO VERIFY THAT RATING, AS DESCRIBED IN THE DOCUMENTS, EXISTS. WHERE IT DOES NOT CONFORM TO THE ASSUMED, CONTRACTOR TO NOTIFY ARCHITECT AND CREATE THE REQUIRED RATING

3. THIS IS A GROUP B OFFICE SUITE THAT DOES NOT INCLUDE MEDICAL PROCEDURES THAT WILL RENDER A PATIENT "NOT CAPABLE OF SELF PRESERVATION" BASED ON 2009 IBC

4. THERE ARE NO MEDICAL GAS DISTRIBUTIONS THAT REQUIRE COMPLIANCE WITH THE IMC, IPC, OR THE IFGC FOR PIPING AND DISTRIBUTION OF SUCH GASES.

Life Safety Legend

FIRE SAFETY COMPONENTS

FEC — **FIRE EXTINGUISHER CABINET** (COORDINATE FINAL LOCATION WITH LOCAL FIRE DEPARTMENT)

EGRESS COMPONENTS

(1) LIFESAFETY NOTES

[1] INCIDENTAL ACCESSORY OCCUPANCY NOTES

[#] EXIT ACCESS

EXIT DISCHARGE

DIAGONAL DISTANCE TOOL

EGRESS PATH OF TRAVEL

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STATE OF COLORADO
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203337
07.29.20
LICENSED ARCHITECT

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Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
LIFE SAFETY PLAN - LEVEL TWO

Sheet Number:
LS102

DPA Project: 20059.00

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RSN: 1480498
Permit#: 20-1851521-LT

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1 **LEVEL 2 - DEMOLITION - OPTION 2**
1/4" = 1'-0"

Demolition General Notes

1. 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.
2. COORDINATE SLAB REMOVAL WITH REQUIREMENTS OF NEW STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.
3. 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.
4. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY THROUGHOUT THE ENTIRE BUILDING AREA.
5. COORDINATE INTERRUPTIONS OF UTILITIES AND SERVICES WITH OWNER.

Demo Legend

WALL TO BE DEMOLISHED

EXISTING WALL TO REMAIN

DOOR, FRAME, AND HARDWARE TO BE REMOVED; SALVAGE FOR RELOCATION

EXISTING DOOR TO REMAIN

Key Notes

02 - 100 - KEYNOTE LEGEND - DEMO PLAN

Key Value	Keynote Text
D01	REMOVE GLASS PANELS, SALVAGE FOR REINSTALLATION
D02	REMOVE GLASS DOORS, FRAME, & HARDWARE FORE REINSTALLATION
D03	DEMO MILLWORK AND PLUMBING FIXTURE. CAP PLUMBING AT WALL
D04	DEMO PORTION OF WALL TO ALLOW FOR OPENING INTO VACANT SPACE
D05	DEMO OPENING IN WALL FOR NEW DOOR
D06	REMOVE MILLWORK, SINK, D/W, G.D. AND SALVAGE FOR REINSTALLATION
D07	DEMO OPENING FOR FIRE EXTINGUISHER CABINET
D08	REMOVE MILLWORK AND SALVAGE FOR REINSTALLATION

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *jlocke*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

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Aurora Colorado

Sheet Information

Sheet Title:
DEMOLITION FLOOR PLAN

Sheet Number:
AD102

DPA Project: 20059.00

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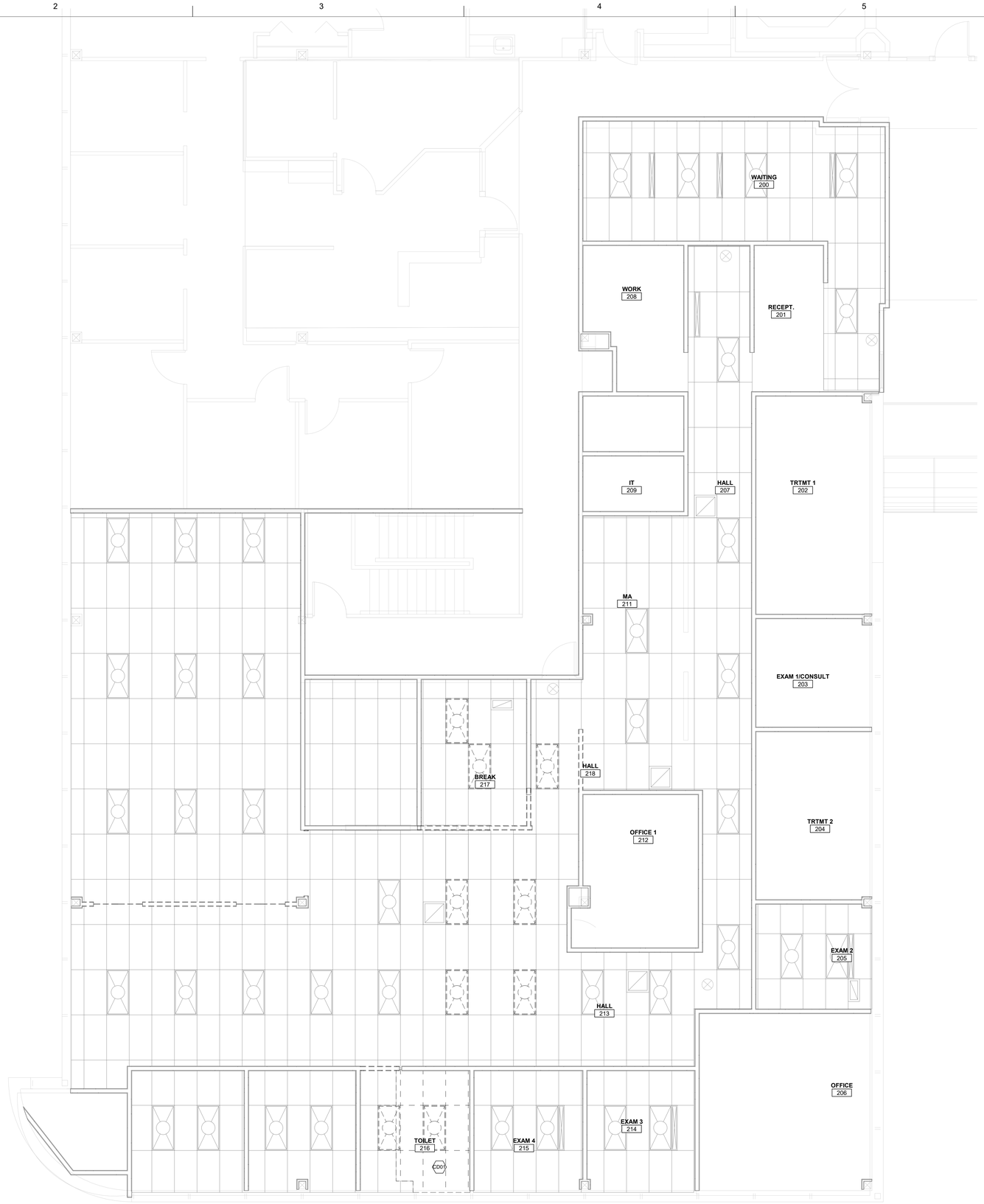

1 DEMOLITION REFLECTED CEILING PLAN
1/4" = 1'-0"

Demolition RCP General Notes

A. EXISTING CEILING TILE, GRID, AND LIGHTING TO REMAIN U.N.O.

B. SALVAGE ALL FIXTURES FOR REUSE OR BUILDING STOCK

City of Aurora Building Division
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Approved as Noted: jlocke
Date: Aug 21, 2020
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Demo RCP Legend

- WHERE NO CEILING IS SHOWN - EXISTING CEILING IS TO REMAIN
- DEMO CEILING GRID AND TILES
- EXISTING CEILING GRID TO REMAIN
- SALVAGE TROFFER LIGHTS FOR REUSE
- EXISTING TROFFER LIGHTS TO REMAIN
- EXISTING RETURN TO REMAIN
- EXISTING SUPPLY TO REMAIN
- EXISTING DOWNLIGHT TO REMAIN
- EXISTING EXIT LIGHT TO REMAIN

Key Notes

02 - 100 - KEYNOTE LEGEND - DEMO RCP	
Key Value	**Keynote Text**
CD01	DEMO PORTION OF CEILING FOR NEW GYP CEILING

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Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
DEMOLITION REFLECTED CEILING PLAN

Sheet Number:
AD152

DPA Project: 20059.00

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RSN: 1480498
Permit#: 20-1651521-LT

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01
=

1 **LEVEL 2 - NEW CONSTRUCTION**
1/4" = 1'-0"

Plan General Notes

1. REVIEW SPACE WITH TENANT TO PATCH EXISTING WALLS WHERE REQUIRED
2. DIMENSIONS LOCATION INTERIOR GYPSUM PARTITIONS ARE TO FINISHED FACE OF PARTITION U.N.O.
3. DOOR ASSEMBLES IN INTERIOR PARTITIONS ARE 6" FROM FINISHED FACE OF ADJACENT PARTITION TO EDGE OF DOOR LEAF. UNLESS NOTED OTHERWISE.
4. EXISTING WALL IDENTIFIED WITH A NEW PARTITION IDENTIFIER INDICATES THAT THE EXISTING PARTITION IS TO BE IMPROVED IN ACCORDANCE WITH THE PARTITION TYPE INDICATED.
5. EXSITING ASSEMBLIES AND STRUCTURAL ELEMENTS FORM CORE AND SHELL CONSTRUCTION DOCUMENTS ARE SHOWN HALFTONED FOR REFFERENCE ONLY.
6. ALL LOW VOLTAGE BY TENANT, GENERAL CONTRACTOR TO PROVIDE EMPTY CONDUIT AND BACK BOXES AS REQUIRED PER ELECTRICAL DRAWINGS.
7. G.C. TO PROVIDE (1) COAT HOOK ON BACK OF DOORS, TYPICAL ALL EXAMS, SCHEDULERS, & OFFICES.
8. PATCH AND REPAIR ALL EXISTING WALLS FOR NEW FINISH.
9. FIRE EXTINGUISHER CABINETS ARE TO BE SEMI-RECESSED IN METAL STUD WALLS. RE: PLAN FOR LOCATION OF CABINETS
10. PROVIDE GROMMETS AT ALL WORK AREA COUNTERTOPS, PROVIDED BY MILLWORKER AND LOCATED IN THE FIELD.
11. PATCH AND REPAIR CORE AND SHELL INTERIOR AT AREAS OF DEMOLITION.
12. PROVIDE 2" RADIUS CURVED EDGES AT ALL EXPOSED COUNTERTOP CORNERS.
13. CHAIRS/FURNITUREINDICATED ON PLANS ARE FOR REFERENCE ONLY AND ARE NOT PROVIDED UNDER THE CONTRACT.
14. WINDOW SILLS TO BILL REPAIRED AS NEEDED, V.I.F.
15. PROTECT BLINDS DURING CONSTRUCTION.

Plan Legend

- NEW WALL
- EXISTING WALL TO REMAIN
- NEW OR RELOCATED DOOR, FRAME, AND HARDWARE
- EXISTING DOOR TO REMAIN

Plan Keynotes

02 - 100 - KEYNOTE LEGEND - FLOOR PLAN

Key Value	Keynote Text
F01	REINSTALL SALVAGED GLASS DOUBLE DOORS, VERIFY ALL PORTIONS OF HARDWARE ARE SALVAGE-ABLE, OR IF NEW COMPONENTS ARE NEEDED
F02	REINSTALL SALVAGED GLASS PANELS, VERIFY ALL PORTIONS OF HARDWARE ARE SALVAGE-ABLE, OR IF NEW COMPONENTS ARE NEEDED
F03	INSTALL DATA PORT JUNCTION BOX AND PULL STRING
F04	RELOCATE SALVAGED WORK SURFACE AND TRANSACTION TOP; ADD FINAL "U" SIDE TO ALIGN AND MATCH EXISTING
F05	CLOSE BLIND BEFORE BUILDING BLOCKING WALL
F06	BASE BID: PROVIDE 1/2 DOOR ACROVYN PANEL KICK PLATE TO COVER DOOR DAMAGE. REINSTALL MAIL SLOT. ADD ALTERNATE: REPLACE DOOR WITH NEW DOOR TYPE WD-F2
F07	REINSTALL SALVAGED COUNTERTOP; CUT DOWN AND FINISH EDGE. RELOCATE/ADD END PANELS AS REQUIRED
F08	REINSTALL SALVAGED MILLWORK, SINK, D/W, G.D.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *jlocke*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

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Consultant

STATE OF COLORADO
J.D. DREYER
203337
07.29.20
LICENSED ARCHITECT

Issuance	Date
CONSTRUCTION DOCUMENTS	07/29/2020

Revisions	Date	No.

Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
OVERALL FLOOR PLAN - LEVEL TWO

Sheet Number:
A-102

DPA Project: 20059.00

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RSN: 1480498
Permit#: 20-1851521-LT

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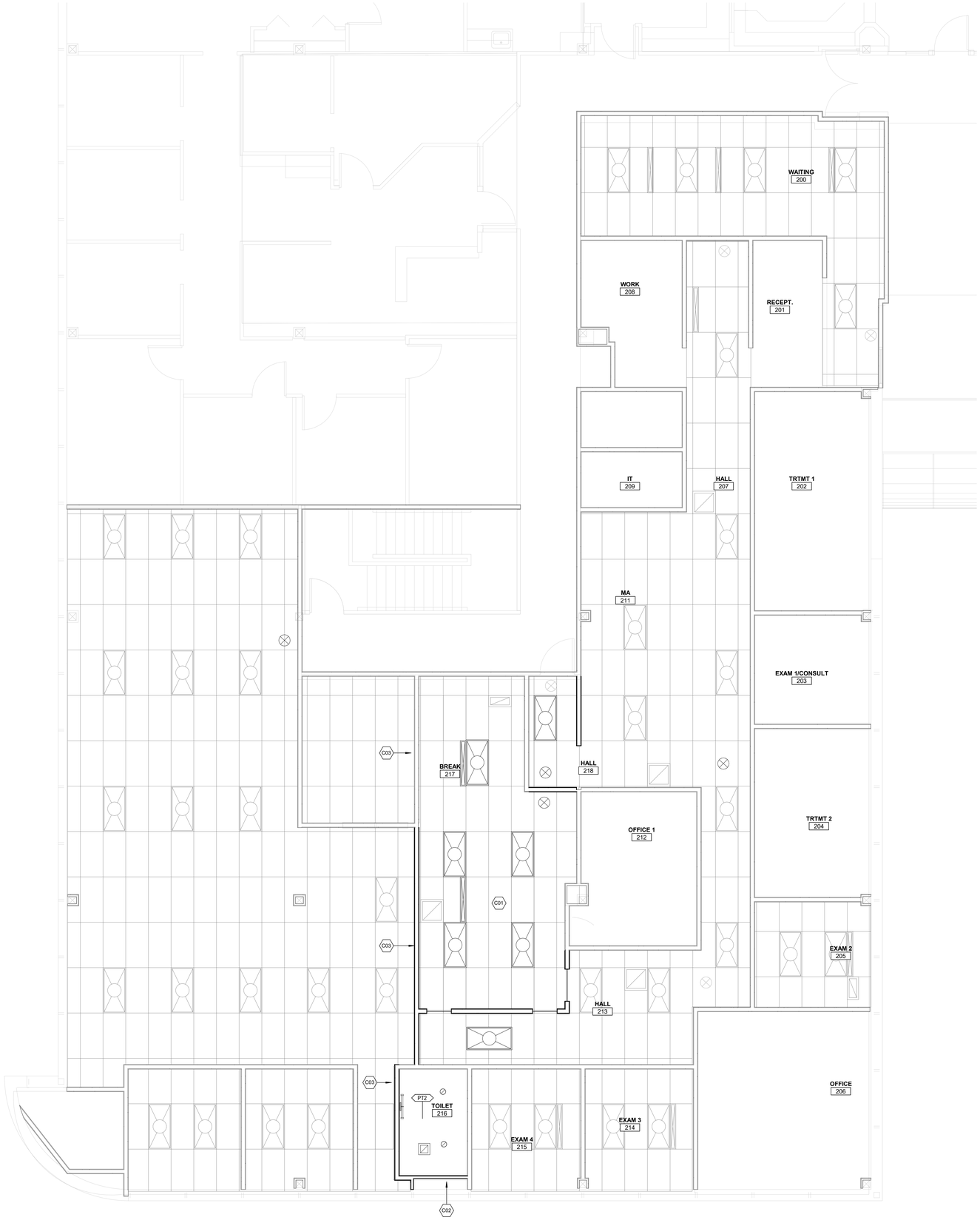

1 NEW REFLECTED CEILING PLAN
1/4" = 1'-0"

Reflected Ceiling Plan General Notes

1. ALLOW FOR 1" DEFLECTION AT PARTITION HEAD
2. LOCATE SPRINKLER HEADS TO WALL AND CEILING LAYOUT PER NFPA - REFER TO MECHANICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL DIRECTION. CENTER SPRINKLER HEADS IN TILE.
3. PROVIDE ACCESS PANELS WHERE REQUIRED TO PROVIDE ACCESS TO EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. COORDINATE LOCATIONS WITH ARCHITECT.
4. PROVIDE FACTORY FINISH ON ALL MECHANICAL GRILLES AND DIFFUSERS. PAINT ALL ACCESS PANELS TO MATCH ADJACENT SURFACES.
5. 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.
6. HALFTONED SYMBOLS INDICATE ELEMENTS NOT INCLUDED IN TENANT SCOPE.
7. RECESSED CAN LIGHTS WITHIN CEILING TILE TO BE CENTERED IN "2X2" PANEL.
8. PROVIDE CONCEALED SPRINKLER HEADS WHERE LOCATED AT GYPSUM BOARD CEILINGS AND SEMI-RECESSED HEADS AT LAY-IN TILE

Reflected Ceiling Plan Symbol Legend

- BLANK SPACE INDICATED EXISTING TO REMAIN
- EXISTING CEILING GRID AND TILES
- NEW GYPSUM BOARD CEILING
- NEW 2X2 AND 2X4 TROFFER LIGHTS
- EXISTING 2X2 AND 2X4 TROFFER LIGHTS
- EXISTING SUPPLY AIR DIFFUSER, RE: MECHANICAL
- EXISTING RETURN AIR DIFFUSER, RE: MECHANICAL
- NEW SUPPLY AIR DIFFUSER, RE: MECHANICAL
- NEW RETURN AIR DIFFUSER, RE: MECHANICAL
- EXISTING NEW DOWNLIGHT
- NEW WALL SCONCE
- 1' - 0" CEILING HEIGHT ABOVE FINISHED FLOOR
- EXISTING EXIT SIGN TO REMAIN
- NEW EXIT SIGN

Reflected Ceiling Plan Keynotes

02 - 150 - KEYNOTE LEGEND - REFLECTED CEILING PLAN	
Key Value	Keynote Text
C01	EXISTING CEILING TO REMAIN; ADJUST FOR RELOCATION OF FIXTURES
C02	LEAVE GAP BETWEEN WALLS OPEN FOR AIR FLOW; NO CEILING
C03	BREAK CEILING TO ALLOW WALL TO EXTEND THROUGH CEILING TO UNDERSIDE OF STRUCTURE ABOVE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *jlocke*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

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OVERALL REFLECTED CEILING PLAN - LEVEL TWO

Sheet Number:
A-152

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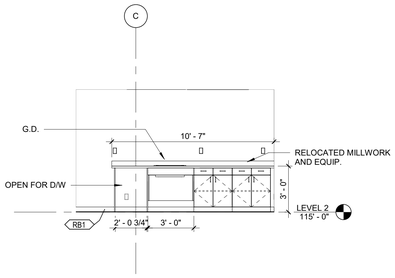
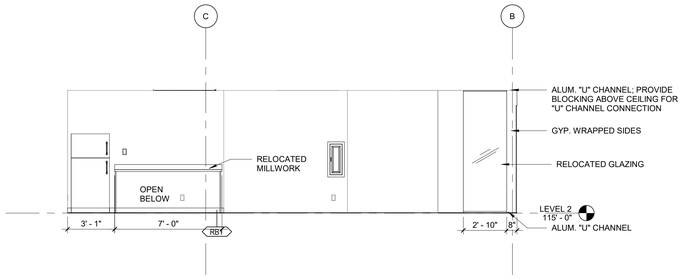
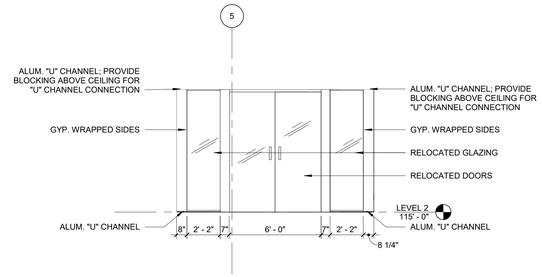


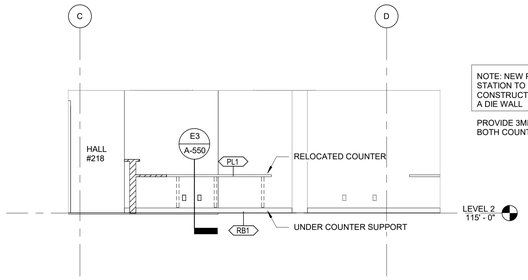
E1 **BREAK 217 - NORTH**
1/4" = 1'-0"



E2 **BREAK 217 - SOUTH**
1/4" = 1'-0"



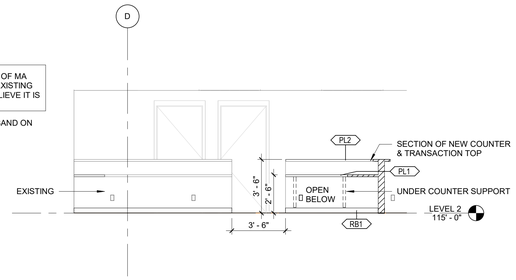
1 **BREAK #217 - WEST**
1/4" = 1'-0"



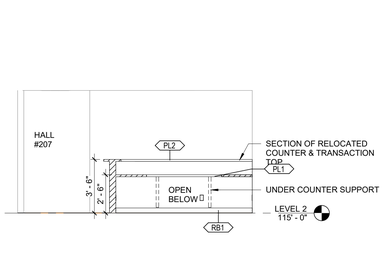
D1 **MA #211 - NORTH**
1/4" = 1'-0"

NOTE: NEW PORTION OF MA STATION TO MATCH EXISTING CONSTRUCTION. I BELIEVE IT IS A DIE WALL

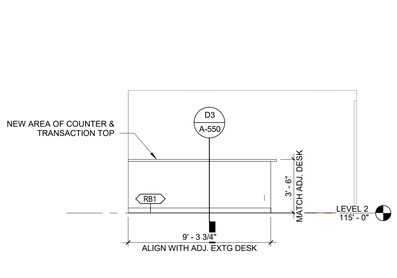
PROVIDE 3MM EDGEBAND ON BOTH COUNTERS



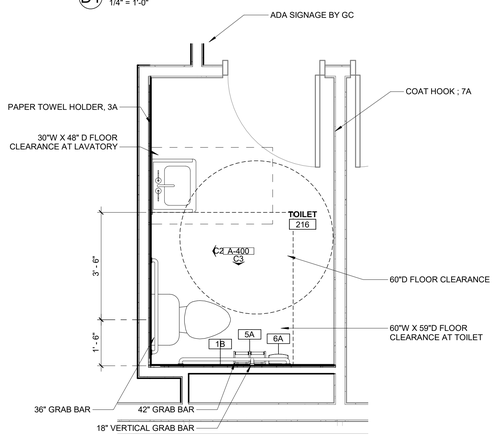
D2 **MA #211 - SOUTH**
1/4" = 1'-0"



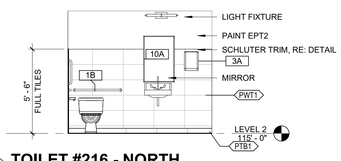
D4 **MA #211 - WEST**
1/4" = 1'-0"



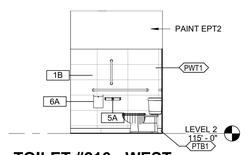
E5 **HALL #218 - EAST**
1/4" = 1'-0"



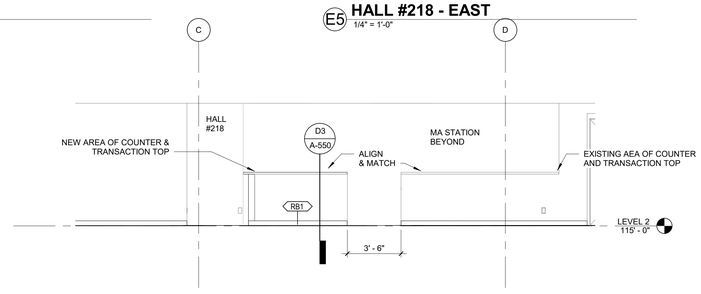
C1 **ENLARGED TOILET #**
1/2" = 1'-0"



C2 **TOILET #216 - NORTH**
1/4" = 1'-0"



C3 **TOILET #216 - WEST**
1/4" = 1'-0"

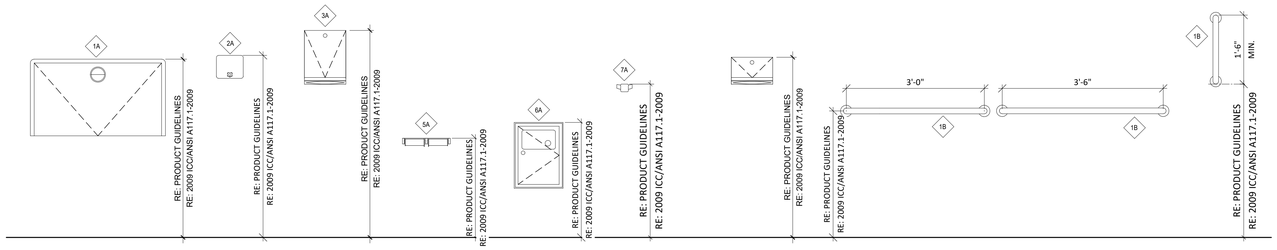


E3 **HALL #207 - NORTH**
1/4" = 1'-0"

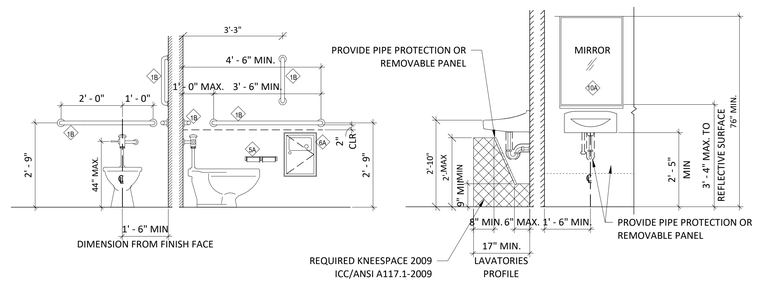
ACCESSORY SCHEDULE					
TYPE	DESCRIPTION	MFR.	MODEL	RESPONSIBILITY	COMMENTS
1B	GRAB BARS	BOBRICK	B-6806 SERIES	CFCI	STAINLESS STEEL FINISH
3A	PAPER TOWEL HOLDER	BOBRICK	B-262	CFCI	STAINLESS STEEL FINISH
5A	TOILET TISSUE DISPENSER	BOBRICK	B-2740	CFCI	STAINLESS STEEL FINISH
6A	SURFACE MOUNTED SANITARY NAPKIN DISPENSER	BOBRICK	B-270	CFCI	STAINLESS STEEL FINISH
10A	CHANNEL FRAME MIRROR	BOBRICK	B-165 2436	CFCI	FINISH: STAINLESS; SIXE 24" X 36"

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.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *jlocke*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC



A1 **TYPICAL MOUNTING HEIGHTS**
3/4" = 1'-0"



A5 **TYPICAL RESTROOM FIXTURE MOUNTING HEIGHTS**
1/2" = 1'-0"

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STATE OF COLORADO
J.D. DREYER
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07.29.20
LICENSED ARCHITECT

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COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
ENLARGED PLANS, INTERIOR ELEVATIONS & DETAILS

Sheet Number:
A-400

DPA Project: 20059.00

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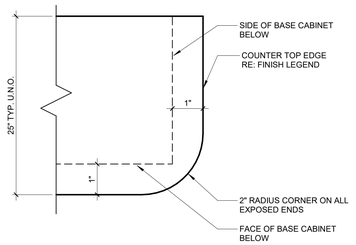
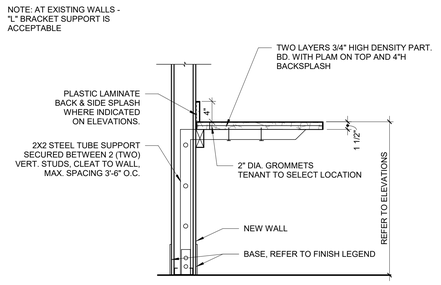
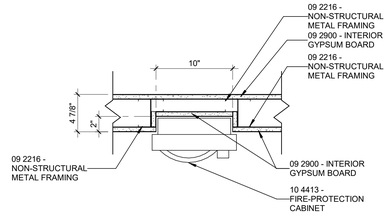


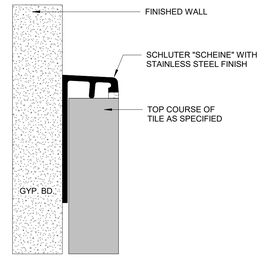
E1 COUNTERTOP RADIUS CORNER DETAIL
6" = 1'-0"



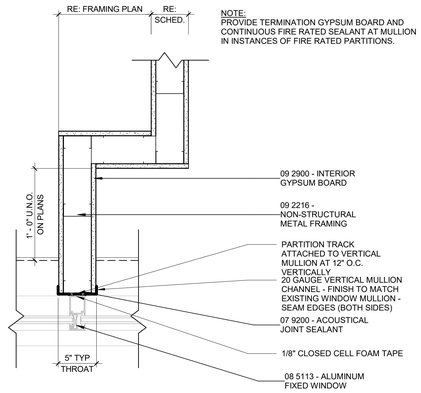
E3 TYPICAL PLASTIC LAMINATE SECTION COUNTER TOP
1" = 1'-0"



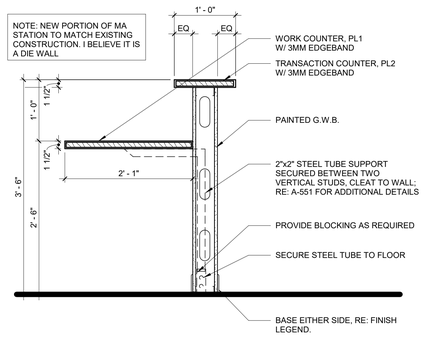
E4 TYPICAL FEC PLAN DETAIL
1 1/2" = 1'-0"



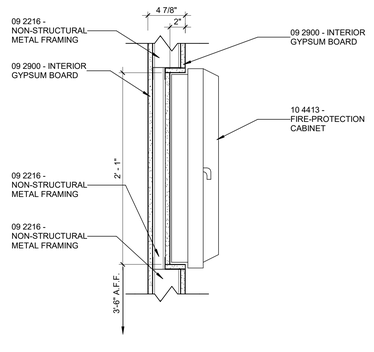
E6 WALL TILE TRIM
1" = 1'-0"



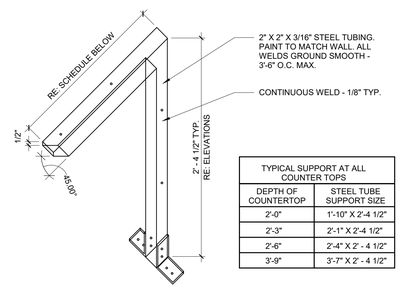
D1 WALL TO MULLION DETAIL 2
1 1/2" = 1'-0"



D3 TYP. MA RECEPTION DESK
1" = 1'-0"

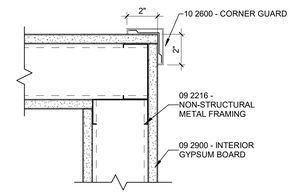


D4 TYPICAL FEC WALL SECTION
1 1/2" = 1'-0"

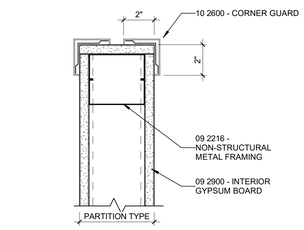


TYPICAL SUPPORT AT ALL COUNTER TOPS	
DEPTH OF COUNTERTOP	STEEL TUBE SUPPORT SIZE
2'-0"	1'-10" X 2'-4 1/2"
2'-3"	2'-1" X 2'-4 1/2"
2'-6"	2'-4" X 2' - 4 1/2"
3'-9"	3'-7" X 2' - 4 1/2"

B3 STEEL TUBE SUPPORT DETAIL ISOMETRIC
1 1/2" = 1'-0"

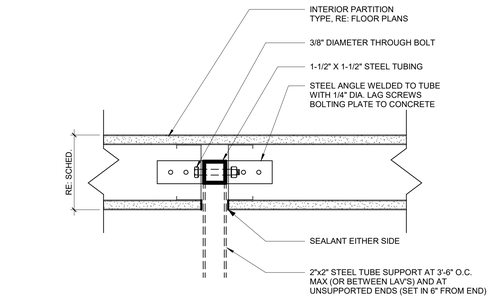


B4 CORNER GUARD DETAIL 2
3" = 1'-0"

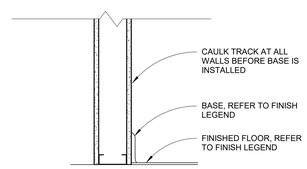


B6 CORNER GUARD DETAIL
3" = 1'-0"

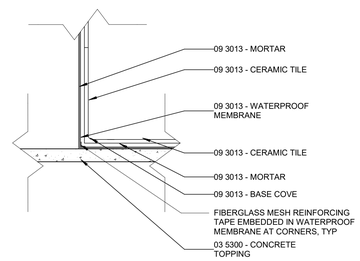
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: jlocke
Date: Aug 21, 2020
2015 INTERNATIONAL CODES & 2020 NEC



A3 STEEL TUBE SUPPORT DETAIL SECTION
3" = 1'-0"



A4 CAULK TRACK AT WALL BASE DETAIL
1 1/2" = 1'-0"



A6 TYPICAL TILE BASE DETAIL
3" = 1'-0"

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07.29.20
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1400 S. Potomac, Suite 201
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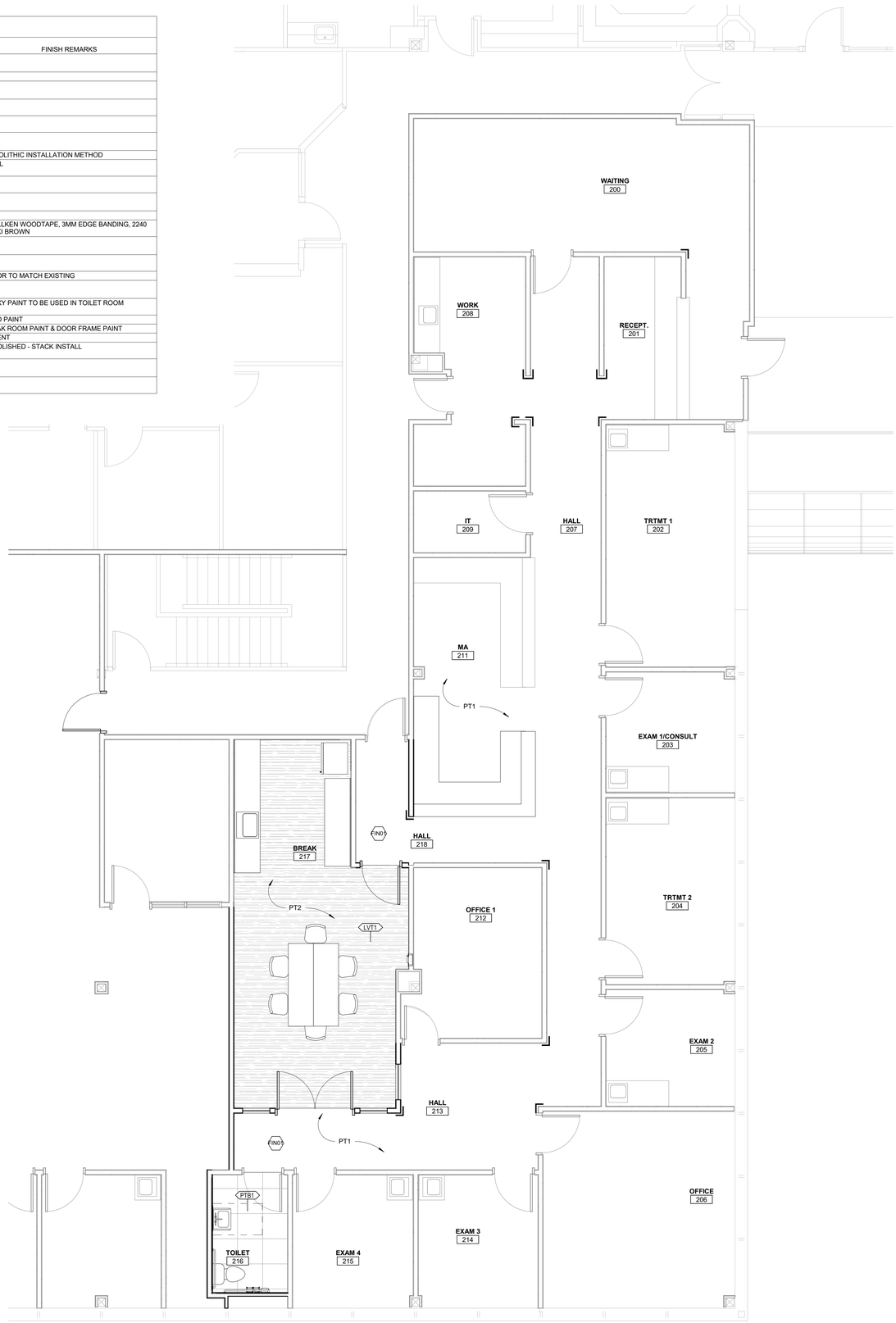
02 - 600 - FINISH LEGEND - MANUAL

FINISH CODE	DESCRIPTION	MANUFACTURER	SERIES/PATTERN	NUMBER	COLOR	SIZE	FINISH REMARKS
CC	CUBICAL CURTAIN	ARC COM	MORI		DAWN #4		
CEILING FINISHES							
ACT	ACOUSTICAL CEILING TILE		MATCH EXISTING			2 X 4	
GYP	GYPSUM BOARD CEILING						
FLOOR FINISHES							
CPT	CARPET	INTERFACE	KAMALA NI	101604	PAGODA	19 11/16" X 19 11/16"	MONOLITHIC INSTALLATION METHOD
LVT1	LUXURY VINYL TILE	BASIS OF DESIGN: SHAW	UNCOMMON GROUND 6" #01885V	02701	BAMBOO NATURAL	6" X 36"	20 MIL
PFT1	PORCELAIN FLOOR TILE	BASIS OF DESIGN: DALTILE	VOLUME 1.0		TBD	12" X 12"	
MILLWORK FINISHES							
PL1	PLASTIC LAMINATE	WILSONART	MATE FINISH	D381-60	FASHION GREY		
PL2	PLASTIC LAMINATE	WILSONART	TEXTURED GLOSS	4929K-07	CALCUTTA MARBLE		DOELLKEN WOODTAPE, 3MM EDGE BANDING, 2240 KHAKI BROWN
WALL BASE FINISHES							
PTB1	PORCELAIN TILE BASE	BASIS OF DESIGN: DALTILE	VOLUME 1.0		TBD	6" X 12"	
RB	RUBBER BASE	JOHNSONITE	RUBBER COVE BASE	63	BURNT UMBER	4"	COLOR TO MATCH EXISTING
WALL FINISHES							
EPT	EPOXY PAINT	MATCH COLOR LISTED IN NAME					EPOXY PAINT TO BE USED IN TOILET ROOM
PT1	PAINT	BENJAMIN MOORE	TO MATCH	1605	WINTER SOLSTICE		FIELD PAINT
PT2	PAINT	BENJAMIN MOORE	TO MATCH	2133-70	TUNDRA		BREAK ROOM PAINT & DOOR FRAME PAINT
PT3	PAINT	BENJAMIN MOORE	TO MATCH	1607	ENGLEWOOD CLIFFS		ACCENT
PWT1	PORCELAIN WALL TILE	BASIS OF DESIGN: DALTILE	CHORD (PATTERN TILE)		TBD	12" X 24"	UNPOLISHED - STACK INSTALL
WALL GUARDS							
CG	CORNER GUARD	INPIRO	130 OR 150 SURFACE MOUNT		TBD	4' H	



1 **LEVEL 2 - FINISH PLAN**
1/4" = 1'-0"

Finish Plan General Notes

1. EXISTING FINISHES TO REMAIN THROUGHOUT, U.N.O.
2. PROVIDE AN ALTERNATE PRICE TO REPAINT ENTIRE SUITE - ALL PAINT FINISHES TO BE SATIN: (2) COATS OVER (1) COAT PRIMER, U.N.O.
3. PROVIDE AN ALTERNATE PRICE TO REPAINT ALL HOLLOW METAL DOOR FRAMES PT2, APPLICATION PER PAINT SPECIFICATION.
4. TOUCH UP DOORS AS NECESSARY
5. ALL PAINT TO BE LOW-VOC: LESS THAN 50 G/L FOR UNTINTED BASE.
6. ALL EXPOSED GRILLS, REGISTERS, DIFFUSERS, ACCESS PANELS, AND SPECIAL DOORS TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR U.N.O.
7. FINISH ALL SIDES OF SOFFIT OR GYP. CEILING. REFER TO REFLECTED CEILING PLAN FOR CEILING PAINT ACCENTS.
8. ALL FLOOR FINISH CHANGES TO BE AT CENTER OF DOORWAYS U.N.O. NO SEAMS IN FRONT OF DOOR WAYS.
9. ALL RUBBER REDUCER STRIPS AT FLOOR TRANSITIONS TO BE ADA PROFILE. COLOR TO MATCH RUBBER BASE.
10. ALL CEILING GRID WALL ANGLES TO BE SEALED AT WALL WHERE PAINT OCCURS
11. PROVIDE AND INSTALL ADA COMPLIANT SIGNAGE, AS REQUIRED BY CODE, FOR ALL ADA TOILET ROOMS AND SERVICE ROOMS.
12. ALL WALL-HUNG SHELVES TO BE MELAMINE.
13. PROVIDE WALL AND CEILING FINISHES THAT COMPLY WITH AND MEET THE FLAME SPREAD RATING REQUIREMENTS FROM SECTION 803 AND TABLE 803.11 OF 2015 INTERNATIONAL BUILDING CODE
14. G.C. TO PROVIDE ALLOWANCE FOR CONCRETE SEALER WHERE REQUIRED CONCRETE DRYNESS IS NOT ACHIEVABLE
15. INSTALL SALVAGED OR NEW PAPER TOWEL DISPENSERS AT ALL SINK LOCATIONS
16. GC TO PROVIDE INITIAL RESILIENT FLOOR FINISH PER MANUFACTURER'S INSTRUCTIONS.

Finish Symbol Legend

- P_ — FINISH EXTENTS AT ACCENT WALL
- XX# — FINISH MATERIAL TAG
- XX# — ROOM FINISH SET CODE
- XX# — WALL PROTECTION / CORNER GUARD TAG
- L — CORNER GUARDS
- WHERE NO HATCH IS SHOWN, EXISTING FLOORING IS TO REMAIN
- LVT1 - LUXURY VINYL TILE W/ 4 1/2" RUBBER COVE BASE
- PFT1 - PORCELAIN FLOOR TILE W/ PTB1 COVE BASE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Jlocke*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

Key Notes

02 - 100 - KEYNOTE LEGEND - FINISH PLAN

Key Value	Keynote Text
FIN01	EXISTING FLOORING TO REMAIN - ANY PATCHING OF CARPET REQUIRED SHOULD BE SALVAGED FROM ADJACENT ABANDONED SPACE

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STATE OF COLORADO J.D. DREYER 403337 07.29.20 LICENSED ARCHITECT

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COLORADO NEUROLOGY
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FINISH PLAN AND FINISH LEGEND

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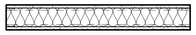
PARTITION TYPES SCHEDULE

PARTITION TYPE	USE DESCRIPTION	PARTITION WIDTH	STRUCTURE	CONSTRUCTION DESCRIPTION	TOP OF WALL TO	FIRE RATING
C0f	FURRING WALL	3 1/8"	2-1/2" STEEL STUDS	(1) LAYER 5/8" GYPSUM BOARD ONE SIDE	6" ABOVE CEILING	NON-RATED
D0as	INTERIOR PARTITION	4 7/8"	3-5/8" STEEL STUDS	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	6" ABOVE CEILING	NON-RATED
D0bs	DEMISING WALL	4 7/8"	3-5/8" STEEL STUDS	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	BOTTOM OF STRUCTURE ABOVE	NON-RATED
D0cs	INTERIOR PARTITION	4 7/8"	3-5/8" STEEL STUDS	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	UNDERSIDE OF CEILING	NON-RATED
D0p	PARTIAL HEIGHT PARTITION	4 7/8"	3-5/8" STEEL STUDS	(1) LAYER 5/8" GYPSUM BOARD EACH SIDE	VARIES	NON-RATED

D0as -



D0p -



PARTITION TYPE LEGEND
1" = 1'-0"

Interior Partition Types

NAMING CONVENTION

STRUCTURE

A	7/8"	HAT CHANNEL
B	1 5/8"	METAL STUD
C	2 1/2"	METAL STUD
D	3 5/8"	METAL STUD
E	4"	METAL STUD
F	6"	METAL STUD
G	3 5/8"	DOUBLE METAL STUD
J	2 1/2"	C-H METAL STUD
K	4"	C-H METAL STUD
L	6"	C-H METAL STUD
M	2x4	WOOD STUD
N	2x6	WOOD STUD
P	4"	CMU
Q	6"	CMU
R	8"	CMU
S	12"	CMU
Z	1 1/2"	"Z" FURRING CHANNEL

FIRE RESISTANCE RATING

0	NON-RATED
1	1 HOUR
2	2 HOUR
3	3 HOUR
4	4 HOUR

SUB-TYPE

a	6" ABOVE CEILING
b	UNDERSIDE OF STRUCTURE
c	UNDER SIDE OF CEILING
f	FURRING
l	LEAD LINED
p	PARTIAL HEIGHT
s	SOUND PARTITION
t	THERMAL INSULATION
v	SOUND PARTITION WITH (2) LAYERS GYPSUM BOARD EACH SIDE
w	SOUND PARTITION WITH (2) LAYERS GYPSUM BOARD ONE SIDE (1) LAYER OTHER SIDE
z	TILE BACKER BOARD

SMOKE RATED

X	SMOKE PARTITON, SMOKE BARRIER OR WALL RESISTINGTHE PASSAGE OF SMOKE

EXAMPLE



D = 3 5/8" METAL STUD
1 = 1 HOUR FIRE RESISTANCE RATING
s = SOUND PARTITION
X = SMOKE RATED PARTITON

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.

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted:*jlocke*
Date:*Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

DOOR SCHEDULE

DOOR #	ROOM NAME	DOOR TYPE	DOOR FINISH	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR GLASS TYPE	FRAME TYPE	FRAME FINISH	LIFE SAFETY FIRE RATING	HARDWARE SET	WALL WIDTH	REMARKS	REV.
LEVEL 2														
200	WAITING	WD-F2	ST	3' - 0"	7' - 0"	1 3/4"	TEMPERED	EXISTING	PT	NONE	4.0	4 7/8"	ADD ALTERNATE DOOR	
210	VACANCY	WD-F1	ST	3' - 0"	7' - 0"	1 3/4"	-	HM1	PT	NONE	1.0	4 7/8"		
216	TOILET	EXISTING	EXISTING	3' - 0"	7' - 0"	1 3/4"	-	EXISTING	PT	NONE	5.0	4 7/8"	HARDWARE REPLACEMENT ONLY	
217A	BREAK	RELOCATE	CLEAN	6' - 0"	7' - 0"	1 3/4"	RELOCATED	RELOCATED		NONE	3.0	4 7/8"	ADJUST HARDWARE AS REQUIRED	
217B	BREAK	WD-F1	ST	3' - 0"	7' - 0"	1 3/4"	-	HM1	PT	NONE	2.0	4 7/8"		

DOOR HARDWARE

HARDWARE NOTES

ALL HARDWARE TO MATCH EXISTING - HARDWARE BEING PROVIDED FOR EXISTING AND RELOCATED DOORS - VENDOR TO REVIEW HARDWARE ON SITE TO VERIFY WHAT ASPECTS OF HARDWARE SETS ARE NEEDED AND COMPATIBLE WITH EXISTING HARDWARE

Set 1.0

Doors: #210

3	Hinge	T4A3786 4-1/2" x 4-1/2" (NRP)	US26D	MK
1	Classroom Lock	8237 LNP	US26D	SA
1	Permanent Cylinder	6300 MK	US15	SA
1	Door Closer	351 O/P9	EN	SA
1	Wall Stop	403	US26D	RO
1	Gasketing	S88D @ Head & Jambs		PE

Set: 2.0

Doors: #217B

3	Hinge	TA2714 (NRP)	US26D	MK
1	Passage Set	28 7U15 LL	US26D	SA
1	Wall Stop	403	US26D	RO
1	Gasketing	S773D @ Head & Jambs		PE

Set: 3.0

Doors: #217A

Pocket door to have
2 Relocated Pulls

Set: 4.0

Doors: #200

Add Alternate - Relocate Entry Door Hardware to new door

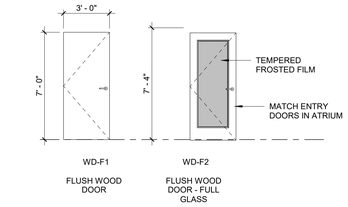
Set: 5.0

Doors: # 216

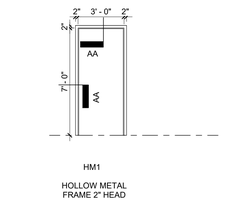
Exisitng Hinges
Existing Door Stop
Existing Gasketing

1	Privacy Set	49 8265 LL	US26D	SA
1	Door Closer	(P) 8501	689	NO

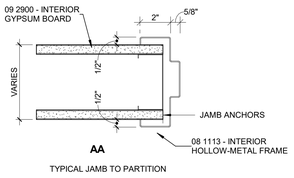
DOOR HARDWARE
1/4" = 1'-0"

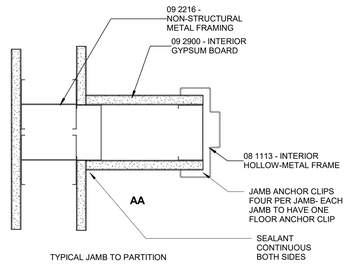


DOOR TYPES
1/4" = 1'-0"



DOOR FRAME TYPES
1/4" = 1'-0"





FRAME PROFILES
3" = 1'-0"

DOOR GENERAL NOTES

1. TOUCH UP EXISTING DOORS IN FIELD

DOOR GENERAL NOTES
1/2" = 1'-0"

DOOR ABBREVIATIONS

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

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STATE OF COLORADO
J.D. DREYER
203337
07.29.20
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COLORADO NEUROLOGY
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INTERIOR PARTITON TYPES

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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.

HYDRONIC WATER PIPING SHALL BE SCHEDULE 40 BLACK STEEL (ASTM 53) WITH 150# MALLEABLE IRON SCREWED FITTINGS OR FORGED STEEL WELDED FITTINGS. TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS MAY BE USED. COPPER TUBING SHALL BE SOLDERED WITH 95-5 TIN-ANTIMONY SOLDER OR BRAZED WITH SILVER BASED FILLER METAL. HYDRONIC WATER PIPING SYSTEM, INCLUDING FITTINGS, VALVES AND APPURTENANCES SHALL BE SUITABLE FOR 250 PSI WORKING PRESSURE.

HYDRONIC PIPING SHALL BE INSULATED WITH NONCOMBUSTIBLE, PREFORMED, FIBERGLASS, PIPE INSULATION WITH A CONDUCTIVITY, K-VALUE, OF 0.24 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

HEATING WATER PIPING 1-1/4" AND LESS = 1-1/2" THICK INSULATION
HEATING WATER PIPING 1-1/2" AND GREATER = 2" THICK INSULATION

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
07.29.20 PERMIT ISSUE	M-001	MECHANICAL COVER SHEET
	MD-102	LEVEL 2 DEMOLITION MECHANICAL PLAN
	M-102	LEVEL 2 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

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JULY 29, 2020

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Construction Documents	07/29/20

Revisions	Date	No.

Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
MECHANICAL COVER SHEET

Sheet Number:
M-001

MEC Project: 2020-061-01

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LEVEL 2 DEMOLITION MECHANICAL PLAN

1/4" = 1'-0"

1 MD-102

KEYNOTES

1. DEMO SECTION OF BASEBOARD FINNED TUBE HEATING PIPE. PROVIDE TEMPORARY CAPS ON OPEN ENDS OF PIPE TO REMAIN.
2. REMOVE EXISTING LINEAR SLOT SA DIFFUSER AND INDICATED RUN-OUT DUCT. STOCKPILE ONSITE. DIFFUSER TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB. PROVIDE TEMPORARY COVER OVER OPEN DUCT ENDS.
3. REMOVE INDICATED RUN-OUT DUCT. STOCKPILE ONSITE. PROVIDE TEMPORARY COVER OVER OPEN DUCT ENDS.
4. CAP EXISTING TAP AND SEAL AIRTIGHT.
5. REMOVE EXISTING RA GRILLE. STOCKPILE ONSITE. GRILLE TO BE REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: jlocke
Date: Aug 21, 2020
2015 INTERNATIONAL CODES & 2020 NEC

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COLORADO NEUROLOGY
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Aurora Colorado

Sheet Information

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LEVEL 2 DEMOLITION MECHANICAL PLAN

Sheet Number:
MD-102

MEC Project: 2020-061-01

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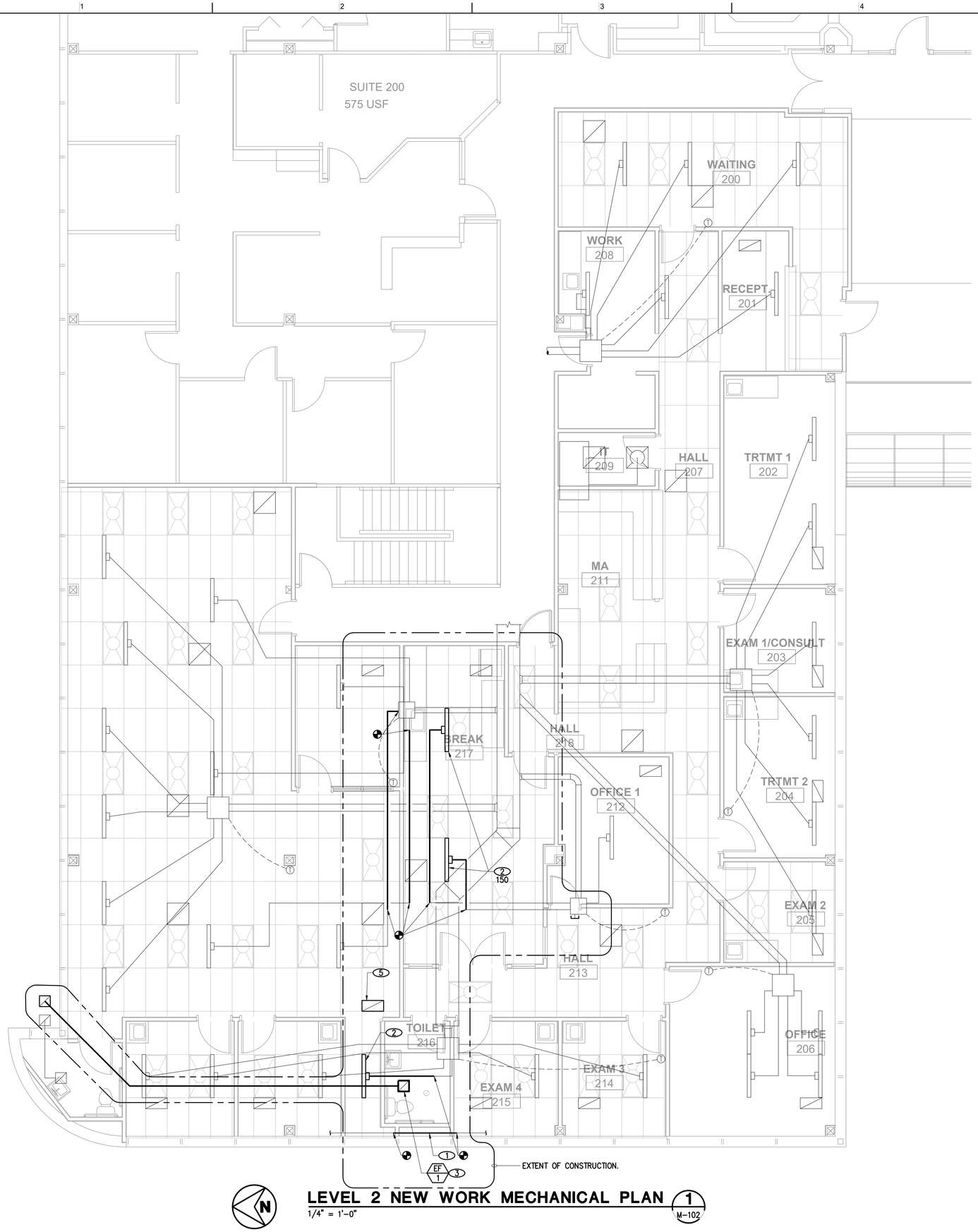
Permit#: 20-1851521-LT



LEVEL 2 NEW WORK MECHANICAL PLAN 1

1/4" = 1'-0"

M-102

KEYNOTES

1. NEW SECTION OF INSULATED HEATING PIPE, NO FINS. SIZE PIPE TO MATCH EXISTING. CONNECT TO EXISTING HEATING WATER PIPING.
2. NEW LOCATION FOR PREVIOUSLY REMOVED LINEAR SLOT DIFFUSER. MODIFY RUN-OUT DUCT AS REQUIRED TO MAKE CONNECTION AS INDICATED. BALANCE TO CFM INDICATED.
3. PROVIDE AND INSTALL NEW TOILET EXHAUST FAN. MOUNT FAN IN CEILING. TRANSITION FAN DISCHARGE TO 6"ø AND ROUTE DUCT AS SHOWN. TERMINATE WITH 6" WALL CAP IN BUILDING EVE.
4. CAP EXISTING TAP AND SEAL AIRTIGHT.
5. NEW LOCATION FOR PREVIOUSLY REMOVED RA GRILLE.

OUTSIDE AIR VENTILATION CALCULATIONS

PROJECT: COLORADO NEUROLOGY		CODE: 2015 IMC				SYSTEM: 2nd FLOOR			
	AREA	OCCUPANCY			AREA		TOTAL REQD	SUPPLY	
ROOM	(SQFT)	#/1000 SQFT	# PEOPLE	OSA PER (CFM)	CFM/SQFT	Ez	OSA (CFM)	AIR (CFM)	% OSA
BREAKROOM	350	5	2	5.0	0.06	0.80	39	300	13%
TOTALS	350		2				39	300	

SYSTEM CALCULATIONS			
SUPPLY AIR	300 CFM	VENTILATION SYSTEM EFFICIENCY	100%
TOTAL UNCORRECTED OSA REQD	39 CFM	SYSTEM OCCUPANT DIVERSITY	100%
AVERAGE OUTDOOR AIR %	13%	CORRECTED SYSTEM MIN OUTDOOR AIR	39 CFM

NOTES:

EXHAUST FAN SCHEDULE

ITEM	MANUFACTURER/ MODEL	LOCATION/ SERVICE	MAX CFM	MAX ESP	FAN RPM	MAX FAN SONES	ELEC. DATA		
							WATTS/HP	VOLT	PH
EF 1	AIR KING/ AK100LS6	TOILET 216/ EXHAUST	75	0.25	914	1.0	26.6 WATTS	115	1

MAX OPERATING WEIGHT (LBS)	OVERALL DIMENSIONS	NOTES
20	9-3/8" D x 10-7/8" W x 7-7/8" T	1 2 3

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.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *jlocke*
Date: *Aug 21, 2020*
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Project Information

COLORADO NEUROLOGY

1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:

LEVEL 2 NEW WORK MECHANICAL PLAN

Sheet Number:

M-102

MEC Project: 2020-061-01

RSN: 1480498
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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
7.29.20 PERMIT ISSUE	P-001	PLUMBING COVER SHEET
	PD-102	LEVEL 2 DEMOLITION PLUMBING PLAN
	P-102	LEVEL 2 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

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

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COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
PLUMBING COVER SHEET

Sheet Number:
P-001

MEC Project: 2020-061-01

RSN: 1480498
Permit#: 20-1851521-LT

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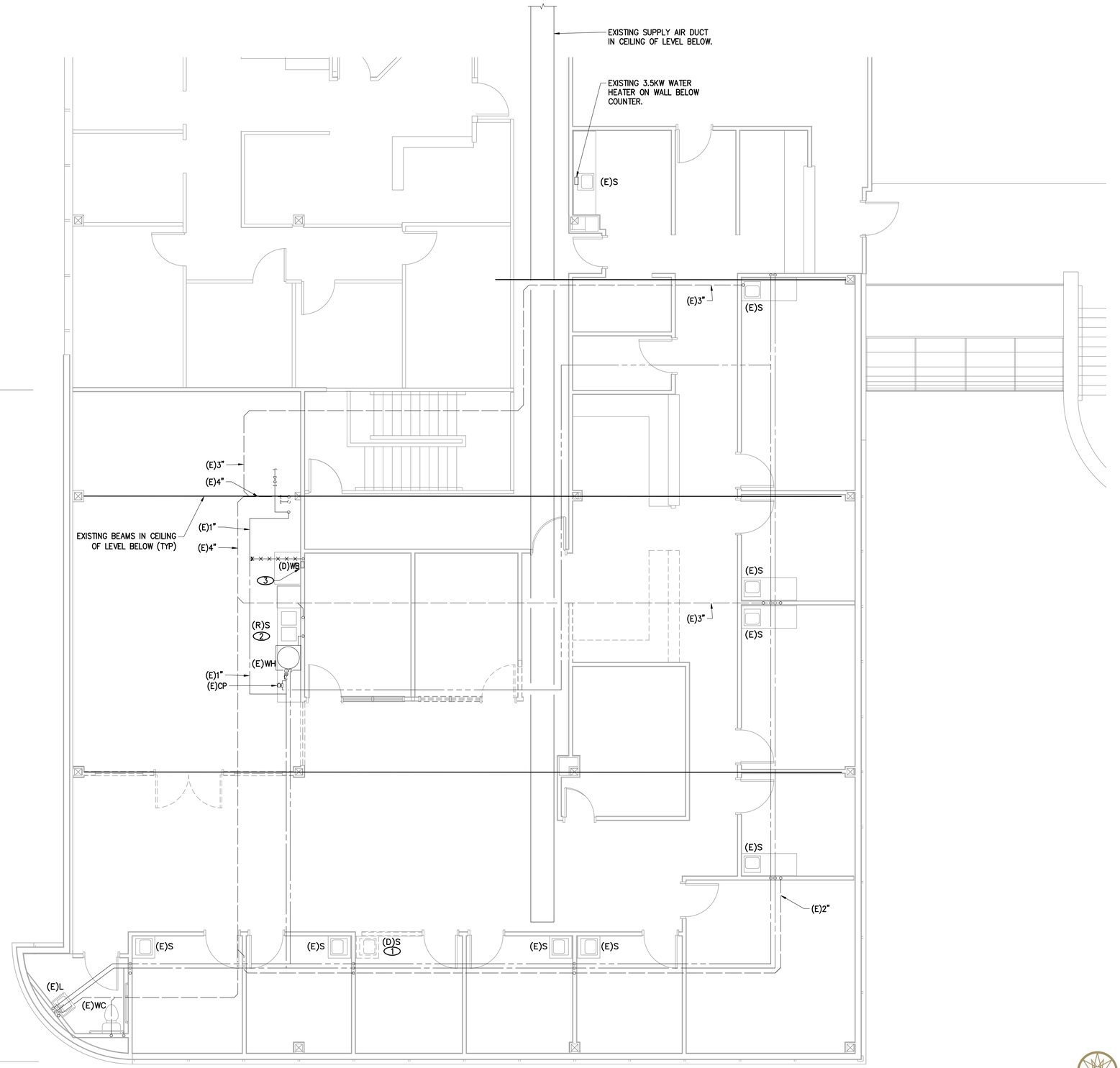
KEYNOTES

1. DEMO EXISTING SINK. CAP HW, CW AND W ROUGH-INS INSIDE WALL.
2. REMOVE EXISTING SINK, GARBAGE DISPOSAL AND DISHWASHER. FIXTURES ARE TO BE STORED AND REINSTALLED DURING NEW CONSTRUCTION PHASE OF JOB. CAP HW, CW AND W ROUGH-INS INSIDE WALL.
3. DEMO WALL BOX AND CW PIPING AS SHOWN. CAP PIPE AT MAIN.



LEVEL 2 DEMOLITION PLUMBING PLAN

1/4" = 1'-0"

1 PD-102

City of Aurora Building Division
Reviewed for Code Compliance
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Date: Aug 21, 2020
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LEVEL 2 DEMOLITION PLUMBING PLAN

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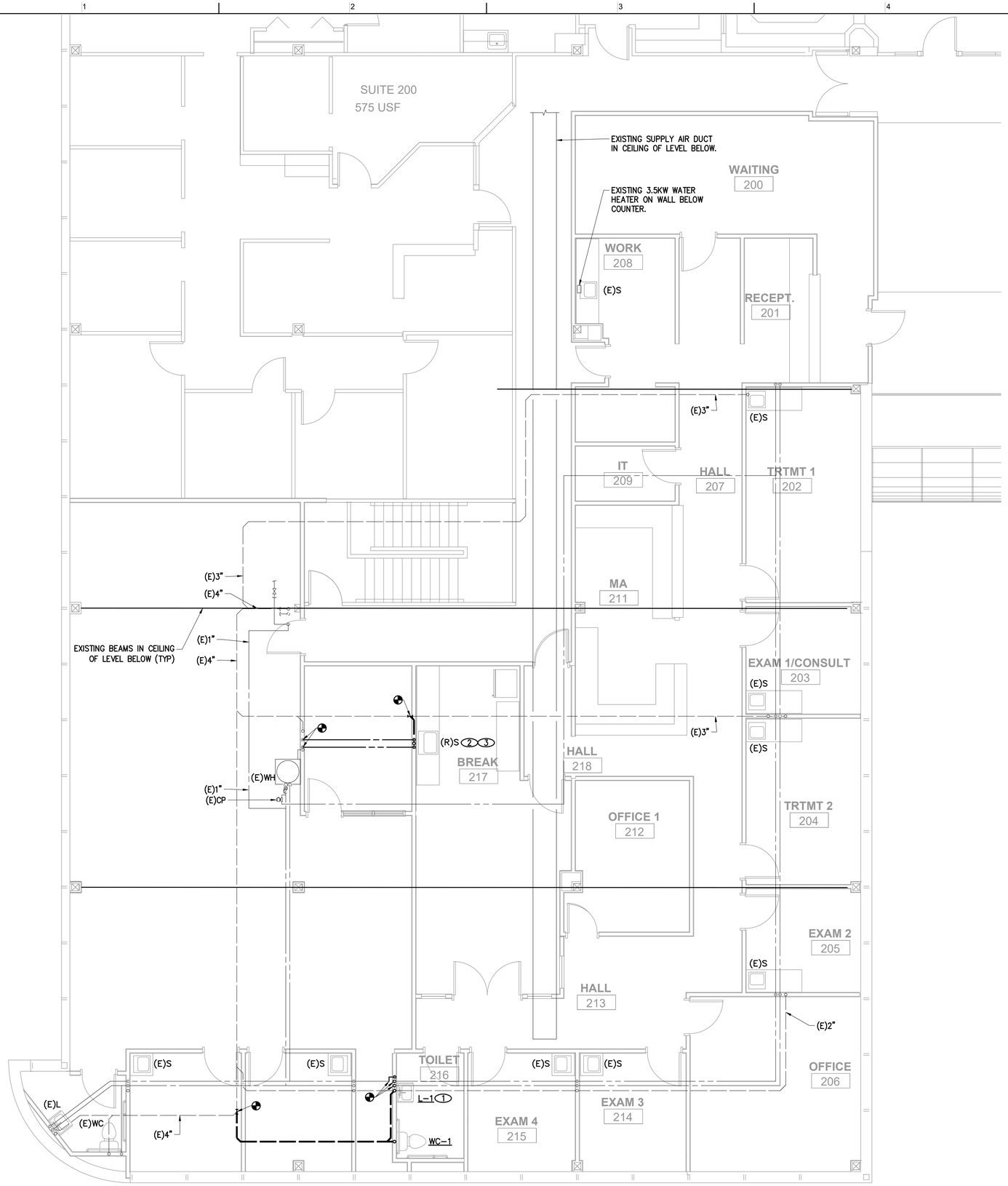


LEVEL 2 NEW WORK PLUMBING PLAN

1/4" = 1'-0"

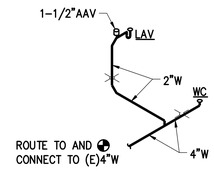
P-102

NOTES

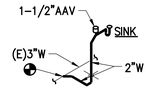
1. FULL SIZED HW AND 3/4"CW DOWN IN WALL. ROUGH-IN AND CONNECT HW, CW AND W TO LAVATORY AND WATER CLOSET PER CONNECTION SCHEDULE ON SHEET P-301. PROVIDE 1-1/2"AAV ON TRAP ARM EXTENSION. HOT WATER LOOP TO EXTEND DOWN TO WITHIN 24" OF LAVATORY.
2. ROUGH-IN AND CONNECT 1/2"HW, 1/2"CW, EXTEND FROM PREVIOUS SINK LOICATION, AND 2"W TO RELOCATED SINK. PROVIDE 1-1/2" AAV ON TRAP ARM.
3. CONNECT 1/2"HW AND FULL SIZE DRAIN TO RELOCATED DISHWASHER. EXTEND DRAIN FROM DISHWASHER TO DISPOSAL INLET AT SINK VIA HIGH LOOP ATTACHED TO BOTTOM OF COUNTER. RE: SINK / DISHWASHER DETAIL SHEET P-301

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.

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.



TOILET 216



BREAK 217

WASTE AND VENT ISOMETRICS 2

NTS

P-102

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: jlocke
Date: Aug 21, 2020
2015 INTERNATIONAL CODES & 2020 NEC

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

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

Consultant

MOEN ENGINEERING CONSULTANTS INC
4640 PECOS STREET, UNIT F
DENVER, CO 80211
P: (303)907-4285

COLORADO LICENSED PROFESSIONAL ENGINEER 19163

JULY 29, 2020

Issuance	Date
Construction Documents	07/29/20

Revisions	Date	No.

Project Information

COLORADO NEUROLOGY

1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
LEVEL 2 NEW WORK PLUMBING PLAN

Sheet Number:
P-102

MEC Project: 2020-061-01

RSN: 1480498
Permit#: 20-1851521-LT

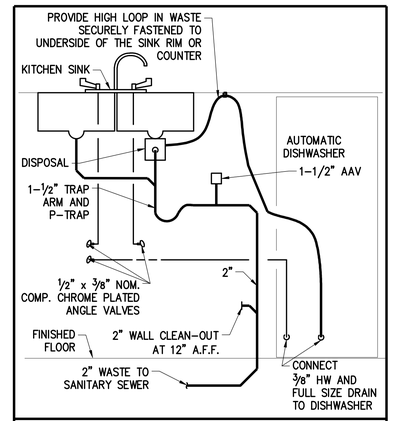
3/20/2015 10:42 PM

PLUMBING FIXTURE SCHEDULE

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

WC-1	ADA FLOOR SET FLUSH TANK TYPE CLOSE COUPLED TOILET WITH LOW CONSUMPTION 1.28 GPF SIPHON JET FLUSHING ACTION, ELONGATED BOWL, BOLT DOWN LOCKING TANK LID, GLAZED TRAPWAY. PROVIDE CHROME PLATED 1/2" NOM. COMP. X 3/8" NOM. COMP. ANGLE STOP AND SEAMLESS CHROME PLATED COPPER TUBE WATER SUPPLY WITH CHROME PLATED (1) PIECE SET SCREW TYPE CHROME PLATED BRASS ESCUTCHEON AT WALL PENETRATION. PROVIDE OPEN FRONT WHITE SEAT LESS COVER WITH CHECK HINGE AND SOFT CLOSE MECHANISM. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	TOILET = TOTO #CST744ELBRB OR EQUAL BY AMER. STD., KOHLER, CRANE
		SEAT = TOTO #SC534 OR EQUAL BY OLSONITE, BENEKE, CHURCH, CENTOCO, BEMIS
			--	1/2	2	--	4	FLOOR MOUNTED WITH WAX OR NEOPRENE CLOSET RING. SET WITH PLASTER OF PARIS AND WHITE NON-HARDENING ADHESIVE SEALANT BETWEEN THE FLOOR AND THE FIXTURE BASE WITH "COVED" FINISHING. ADA WATER CLOSET TANKS ARE TO BE PROVIDED WITH LEFT OR RIGHT HAND TRIP LEVERS AS REQUIRED TO ALLOW FOR TRIP LEVERS ARE TO BE INSTALLED TO WIDE SIDE OF ADA TOILET STALL.

L-1	20"X18" VITREOUS CHINA WALL HUNG LAVATORY SINK WITH HOLE DRILLINGS TO MEET FAUCET SPECIFICATIONS. PROVIDE CHROME PLATED BRASS PERFORATED GRID DRAIN WITH ADA WHEELCHAIR OFFSET DRAIN, CHROME PLATED BRASS P-TRAP AND WASTE ARM, 1/2" NOM. COMP. X 3/8" NOM. COMP. CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES, CHROME PLATED FLEXIBLE SEAMLESS COPPER TUBE SUPPLIES, (1) PIECE SET SCREW TYPE CHROME PLATED CAST BRASS ESCUTCHEONS AT WALL PENETRATIONS, AND WALL SUPPORT SYSTEM WITH CONCEALED ARM SUPPORTS, WELDED FEET, RECTANGULAR STEEL UPRIGHTS, AND MOUNTING FASTENERS. FAUCET TO BE OF CHROME PLATED CAST BRASS CONSTRUCTION WITH .5 GPM VANDAL RESISTANT AERATOR AND CERAMIC DISK CARTRIDGE TYPE VALVE. PROVIDE ASSE 1070 MIXING VALVE BELOW LAVATORY SET AT 105 DEG F DISCHARGE TEMP. ALL TRIM TO BE CHROME PLATED COPPER OR BRASS.	LAVATORY = AMER STD #0954.004EC OR EQUAL BY TOTO, KOHLER, CRANE, ZURN FAUCET = ZURN #Z81000-3M OR EQUAL BY AMERICAN STANDARD, KOHLER, DELTA, SYMMONS, CHICAGO MIXING VALVE = LEONARD #170-LF OR EQUAL BY WATTS, SYMMONS, POWERS, WILKINS, ZURN DRAIN = DEARBORN BRASS #760W-1 OR EQUAL BY BRASSCRAFT, KOHLER, AMER. STD., DELTA, CHICAGO, T&S BRASS, PROFLO TRAP AND SUPPLY INSULATION = TRUEBRO #103 E-Z OR EQUAL BY BROCAR, PROFLO CARRIER = ZURN #Z1231 OR EQUAL BY JOSAM, J.R. SMITH, WADE, MIFAB	1/2	1/2	1 1/2	1 1/4	1 1/2	INSTALL MIXING VALVE ON WALL BELOW LAVATORY. CONNECT 3/8"HW AND 3/8"CW TO MIXING VALVE, EXTEND 3/8" TEMPERED WATER FROM MIXING VALVE TO FAUCET HOT WATER INLET.



SINK / DISHWASHER DETAIL

NO SCALE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: jlocke
Date: Aug 21, 2020
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COLORADO LICENSED PROFESSIONAL ENGINEER 37163 NATIONAL

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Project Information

COLORADO NEUROLOGY

1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
PLUMBING SCHEDULES AND DETAILS

Sheet Number:
P-301

MEC Project: 2020-061-01

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RSN: 1480498
Permit#: 20-1851521-LT

3/20/2015 9:42 PM

GENERAL PROJECT NOTES

NOTE: SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE, OPERATIONAL AND PROPERLY FUNCTIONING ELECTRICAL SYSTEM
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3. MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
4. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS REQUIRED BY THESE AGENCIES FOR APPROVAL. 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. THIS CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THIS CONTRACT, SHALL BE RESPONSIBLE FOR WORKER'S IDENTIFICATION AND BADGING, SAFETY, AND LIABILITY INSURANCE. PROVIDE BARRICADES, WARNING SIGNS, AND TRASH REMOVAL FOR THE SAFETY OF THE WORKERS UNDER THIS CONTRACTOR'S EMPLOY.
5. 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.
6. 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. THE DRAWINGS AND CUT SHEETS SHALL BE PROVIDED TO A PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL. THE APPROVED DRAWINGS WILL BE STAMPED, SIGNED AND RETURNED TO E.C. TO SUBMIT TO THE BUILDING DEPARTMENT.
7. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS, LOCAL JURISDICTIONAL CODES AND REQUIREMENTS, AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT. SUBMISSION OF PROPOSAL IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE. NO EXTRA CHARGE WILL BE ALLOWED FOR CHANGES AS A RESULT FROM FAILURE TO EXAMINE THE JOB SITE.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION.
9. 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 APPLY 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.
10. 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.
11. ALL CUTTING, DRILLING AND REMOVAL 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.
12. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL FIXTURES AND ELECTRICAL DEVICES. DEVICE LOCATIONS SHALL CONFORM TO ADA/ICC/ANSI STANDARDS.
13. ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH THE BUILDING STANDARDS.
14. PROVIDE COMPLETE METAL RACEWAY SYSTEMS AND ENCLOSURES FOR ALL WIRING THROUGHOUT THE EXTENT OF THE REQUIRED SYSTEM UNLESS OTHERWISE PERMITTED BY THE NEC:
    - 14.a. TYPE III, IV OR V CONSTRUCTION - WHERE PERMITTED PER NEC ARTICLE 334 NONMETALLIC SHEATHED CABLE AND NONMETALLIC BOXES MAY BE USED.
    - 14.b. TYPE MC AND AC CABLE MAY BE USED WHERE PERMITTED BY THE NEC (ARTICLE 330)
15. ALL TELE/ DATA BOXES SHALL BE PROVIDED WITH A 1/2" CONDUIT AND BUSHING WITH PULL STRING RUN 6" ABOVE FINISHED CEILING OR CLOSEST ACCESSIBLE GRID. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR ALL WALL OUTLETS & TELEPHONE WIRING RUNNING BELOW RAISED FLOOR OR ABOVE HARD CEILINGS.
16. ALL RECEPTACLES NOTED AS ISOLATED GROUND (IG) OR DEDICATED OR CIRCUITED AS DEDICATED SHALL BE PROVIDED WITH A DEDICATED GROUND AND NEUTRAL.
17. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED. CONDUITS LARGER THAN 2" DIAMETER OR CONDUITS OF ANY SIZE ROUTED OUTDOORS SHALL BE INTERMEDIATE METAL CONDUIT (IMC).
18. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 3/8 INCH MINIMUM.
19. FINAL CONNECTIONS TO MOTORS SHALL BE MADE WITH LIQUID TIGHT FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM.
20. WIRE NO. 8 AND SMALLER INSTALLED IN DRY LOCATIONS SHALL BE TYPE THWN OR THHN THERMOPLASTIC 600V INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NO.12 SHALL BE USED FOR LIGHTING OR POWER WIRING. WIRE NO. 8 AND LARGER SHALL BE STRANDED. ALL CONDUCTORS INSTALLED IN EXTERIOR OR WET LOCATIONS SHALL BE TYPE THWN 600V INSULATED COPPER CONDUCTORS.
21. ALL NEW CIRCUIT BREAKERS FOR NEW OR EXISTING PANELBOARDS SHALL MATCH EXISTING OR NEW BUILDING STANDARD PANELBOARD MANUFACTURER AND BREAKER TYPE. THE CONTRACTOR SHALL PROVIDE NEW ACCURATE AND DETAILED TYPE WRITTEN PANEL DIRECTORIES PER NEC 408.4 FOR ALL NEW OR MODIFIED PANELS. NUMBERED CIRCUITS ARE FOR CONVENIENCE OF DESIGN ONLY. E.C. TO FIELD VERIFY ACTUAL CIRCUIT NUMBERS USED AND CORRECTLY INDICATE ON "AS-BUILT" DRAWINGS. THE E.C. SHALL REMOVE ALL ABANDONED CIRCUITS.
22. PROVIDE MINIMUM #10 FOR BRANCH CIRCUITS OVER 75' AT 120V AND OVER 150' AT 277V. E.C. TO FIELD VERIFY BRANCH CIRCUIT LENGTHS AND INCREASE CONDUCTOR SIZES AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP.
23. EACH SWITCH, LIGHT, RECEPTACLE AND ALL OTHER DEVICES SHALL BE PROVIDED AND INSTALLED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL JUNCTION BOX 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.
    - 23.a. EXCEPTION: TYPE III, IV OR V CONSTRUCTION - WHERE PERMITTED PER NEC ARTICLE 334 NONMETALLIC BOXES MAY BE USED.
24. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.
25. 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 CUPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE.
26. PROVIDE LOCAL DISCONNECT SWITCHES FOR ALL MOTORS (PLENUM APPROVED WHERE REQUIRED).
27. THE E.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT THAT IS NOT TO BE REUSED DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
28. PROVIDE WARRANTY GUARANTEED FOR A PERIOD OF ONE YEAR AFTER COMPLETION AND ACCEPTANCE. REPLACE ALL DEFECTIVE WORKMANSHIP, EQUIPMENT AND MATERIALS WITHOUT ADDITIONAL CHARGES.
29. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS/HER OWN PROPERTY ON THE JOB SITE. THE OWNER OR TENANT ASSUMES NO RESPONSIBILITY FOR PROTECTION OF THIS CONTRACTOR'S PROPERTY AGAINST FIRE, THEFT, OR ENVIRONMENTAL CONDITIONS.
30. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS, WALLS, OR PARTITIONS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS U.L. LISTED (EQUAL TO DOW CORNING) AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THE SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTRUCTIONS IN ORDER TO MAINTAIN THE FIRE RATING OF THE PENETRATED WALL, FLOOR, OR PARTITION. INSTALLATION SHALL BE A THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM AND UL , THE FIRE RATING SHALL MATCH THE RATING OF THE BARRIER BEING PENETRATED.
31. SUBMIT AN ELECTRONIC COPY OR SIX (6) SETS OF SHOP DRAWINGS, CONTROL DIAGRAMS, AND EQUIPMENT CUTS TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING RELATED WORK. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS. PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
32. UPON COMPLETION OF CONSTRUCTION, SUPPLY THE ENGINEER WITH ONE COMPLETE SET OF FULL SIZE AS-BUILT DRAWINGS. PROVIDE THE OWNER WITH THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH TYPE OF EQUIPMENT INSTALLED.
33. THIS CONTRACTOR SHALL ASSUME ALL ADDED EXPENSES TO ALL TRADES ASSOCIATED WITH THE INSTALLATION OF SUBMITTED AND APPROVED ALTERNATE EQUIPMENT.
34. THE CONTRACTOR SHALL COORDINATE THE LAYOUT OF THE FIRE ROOM WITH ALL OTHER DISCIPLINES, ESPECIALLY THE FIRE ALARM AND FIRE PROTECTION DESIGN-BUILD CONTRACTORS PRIOR TO ANY WORK.
35. IF ANY CHANGES ARE MADE TO ACCOMMODATE FIELD CONDITIONS NOTIFY THE ENGINEER IMMEDIATELY OF WHAT THE CHANGES WERE, THE REASON FOR THE CHANGES, AND THE COST IMPACTS.
36. LOCATE ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS AND ELECTRICAL DISTRIBUTION EQUIPMENT IN DEDICATED SPACES AND PROTECTED FROM DAMAGE WITH ADEQUATE WORKING CLEARANCE ACCORDANCE WITH NEC 110 REQUIREMENTS. PROVIDE PROTECTION FROM ANY FOREIGN SYSTEM INSTALLED ABOVE THE DEDICATED EQUIPMENT SPACE PER NEC 110.26(E).
37. SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT PER NEC 230.66.
38. ELECTRICAL ROOM DOORS SHALL BE EQUIPPED WITH PANIC BARS, PRESSURE PLATES, OR OTHER DEVICES THAT ARE NORMALLY LATCHED BUT OPEN UNDER SIMPLE PRESSURE IN ACCORDANCE WITH NEC 110.26(C)(3).

FIRE ALARM SYSTEM NOTES

FIRE ALARM SYSTEM IS TO BE DESIGN/BUILD BY THE CONTRACTOR.

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

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

CODE COMPLIANCE STATEMENT

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES:

- 2017 NATIONAL ELECTRIC CODE (NEC)
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

ELECTRICAL LEGEND

NOTE: NOT ALL ITEMS APPEAR ON DRAWINGS. SYMBOLS MAY DIFFER FROM EXISTING AND DEMO WORK OR DEVICES REFERENCED OR SYMBOLS USED FROM DRAWINGS BY OTHERS.

POWER AND LIGHTING

- GROUNDED SWITCHED DUPLEX RECEPTACLE
- GROUNDED SPLIT-WIRED RECEPTACLE
- GROUNDED DUPLEX RECEPTACLE
- GROUNDED QUADRAPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- FLOOR/CEILING MOUNTED RECEPTACLE
- JUNCTION BOX
- WALL MOUNTED JUNCTION BOX
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- THERMAL OVERLOAD SWITCH
- ELECTRICAL PANEL BOARD
- TRANSFORMER
- CIRCUIT '##' HOMERUN TO PANEL 'X' (ARROWS NOT USED IF CIRCUIT NUMBERS APPEAR NEXT TO DEVICES)
- PORCELAIN LAMP HOLDER
- RECESSED FLUORESCENT LIGHT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- CEILING FIXTURE
- WALLWASHER or ADJUSTABLE DOWNLIGHT
- SINGLE POLE SWITCH, DIM or 8-POLE
- DIMMER SWITCH
- EXIT SIGN
- EMERGENCY FIXTURE - SHADED
- BATTERY PACK EMERGENCY LIGHT or COMBO EXIT - SEE SCHEDULE
- MOTOR

LOW VOLTAGE SYSTEMS

- TELEPHONE TERMINAL BOARD
- FLOOR/CEILING MOUNTED DATA OUTLET
- FLOOR/CEILING MOUNTED TELEPHONE OUTLET
- DATA OUTLET
- TELEPHONE/DATA OUTLET PROJECT STANDARD
- TELEPHONE OUTLET
- CATV/MONITOR A/V OUTLET
- SPEAKER
- FIRE ALARM PANEL
- FIRE ALARM REMOTE ANNUNCIATOR PANEL
- S-SMOKE, T-HEAT DETECTOR
- DUCT FIRE DETECTOR

ABBREVIATIONS

EWC	ELECTRIC WATER COOLER
EF	EXHAUST FAN
GFI	GROUND FAULT INTERRUPTING
AFI	ARC FAULT INTERRUPTING
CCT	CIRCUIT
E.C.	ELECTRICAL CONTRACTOR
AG	ABOVE COUNTER GFI - VERIFY HEIGHT
AC	ABOVE COUNTER - VERIFY HEIGHT
WP	WEATHER PROOF
TTB	TELEPHONE TERMINAL BOARD
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
(E)	EXISTING TO REMAIN
(EX)	EXISTING TO BE REMOVED
(ER)	EXISTING TO BE RELOCATED
(R) (RL)	RELOCATE/RELOCATED LOCATION

REFERENCE SYMBOLS

- KEYED NOTE
- EQUIPMENT - SEE SCHEDULE
- FEEDER - SEE SCHEDULE
- TRANSFORMER WITH GROUNDING AND OVERCURRENT DEVICES SEE TRANSFORMER SCHEDULE

Feeder Schedule

3000W	8[W-500kcmil, 400kcmil, 3-1/2"C]
2000W	6[W-400kcmil, 250kcmil, 3"C]
1600W	5[W-400kcmil, 400G, 3"C]
1200W	4[W-350kcmil, 300G, 3"C]
1000W	3[W-400kcmil, 2/0G, 3"C]
800W	3[W-300kcmil, 1/0G, 3"C]
760W	2[W-500kcmil, 100G, 3-1/2"C]
600W	2[W-350kcmil, #1G, 3"C]
500W	2[W-250kcmil, #2G, 3"C]
400W	2[W-3/0, #3G, 2"C]
380W	W-500kcmil, #3G, 3-1/2"C
300W	W-350kcmil, #4G, 3"C
250W	W-250kcmil, #4G, 3"C
225W	W-4/0, #4G, 2-1/2"C
200W	W-3/0, #6G, 2"C
175W	W-2/0, #6G, 2"C
150W	W-1/0, #6G, 2"C
125W	W#1, #6G, 1-1/2"C
100W	W#1, #6G, 1-1/2"C
90W	W#2, #6G, 1-1/4"C
80W	W#3, #6G, 1-1/4"C
70W	W#4, #6G, 1-1/4"C
60W	W#4, #6G, 1-1/4"C
50W	W#6, #10G, 1"C
40W	W#8, #10G, 1" C
30W	W#10, #10G, 3/4"C
20W	W#12, #12G, 3/4"C

This table indicates minimum conductor size for feeders of the ampacity indicated where #W indicates the #-Ampacity and W-numbers of wire, #SW indicates no ground. All conductors shall be Copper unless noted as Aluminum 'Al' *Conductor Ampacities shall be based on table 310.15(B)(16) 60 degree column up to 100 Amps and 75 degree column above 100 Amps unless otherwise permitted by NEC. Ampacity rating shall be selected in accordance NEC 110.14 (C).

The master electrician shall be responsible for ensuring that no feeders or branch circuits are installed in a manner or sized in such a way as to violate the NEC.

Service Ground Table	Equipment Ground Table	
150G	#6	20EG #12
200G	#4	60EG #10
300G	#2	100EG #8
500G	1/0	200-1200A per Above
800G	2/0	1600EG 4/0
>800G	3/0	2000EG 250kcmil

Service Ground Conductors sized Per NEC Table 250.66
Equipment Ground Conductors sized Per NEC Table 250.122
All conductors shall be Copper unless noted as Aluminum 'Al'

The service ground chart indicates the minimum Service Ground Conductor based on #G where # is the ampacity from the chart above, and the equipment ground chart indicates the minimum equipment grounding conductor size #EG where # is the rating/ setting of the overcurrent device protecting the conductors and equipment.

Where discrepancies occur between the Feeder Schedule Schedule and the Grounding Tables, the larger conductor shall be used unless otherwise permitted by the NEC.

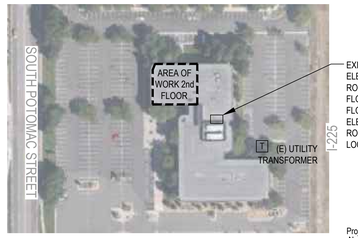
The installation shall meet all NEC 250 grounding and bonding requirements including 250.4 Path for Fault Current. Provide complete raceway systems metallically joined, connected, and fittings as required for electrical continuity per NEC 300.10.

Transformer Schedule

Primary OCP 480V, 3Ø	Size kVA	Ground Cu	Secondary OCP 208V, 3Ø
20A	15	#8	50A
50A	30	#6	100A
70A	45	#6	150A
125A	75	#2	250A
175A	112.5	#2	400A
225A	150	1/0	500A
350A	225	2/0	800A

Primary shall be 3-Wire and Secondary shall be 4-Wire unless noted otherwise. All transformers 45kVA and smaller shall be suspended and all transformers larger than 45kVA shall be floor mounted unless noted otherwise. Primary and Secondary Feeders shall be sized based on the Overcurrent Protection Device Ampere Rating.

The installation shall meet all NEC 250 grounding and bonding requirements. Provide Equipment Ground on Primary Feeder and Seperately Derived Grounded System at the Transformer Secondary in accordance with NEC 250.30(A). Provide Grounding Electrode connection to Structural Metal or Metal Water Pipe in accordance with 250.30(A)(4) and sized in accordance with NEC Table 250.66



2 E0.0 PROXIMITY PLAN

SCALE: NTS

GENERAL NOTES:

1. PLAN SHOWN FOR REFERENCE ONLY. E.C. SHALL FIELD VERIFY EXISTING CONDITIONS.

PANEL SCHEDULE: LP2 July 26, 2020

BUS RATING: 225A 3Ø, 4-WIRE
MAIN C.B.: or M.L.O.: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 480
VOLTAGE L-G: 277
S.C.RMS RATING (AIC): 22,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	600	1.25	LTS Center wing East Suite 200	A	Lts Center wing East Suite 200	1.25	900	1	20	2
3	20	1	1100	1.25	LTS South wing East Suite 200	B	Lts Center Wing E. Side Suite 250	1.25	1100	1	20	4
5	20	1	1200	1.25	LTS South wing East Suite 200	C	Bussed Space					6
7	20	1	300	1.25	LTS South wing East Suite 200	A	Existing Lights Ste 201	1.25	982	1	20	8
9	20	1	750	1.25	Lights S. Wing Center Suite 215	B	Existing Lights Ste 201	1.25	982	1	20	10
11	20	1	1800	1.25	Lights S. Wing Center Suite 215	C	Existing Lights Ste 201	1.25	982	1	20	12
13	20	1	900	1.25	LTS South wing West Suite 200	A	Lights N. Wing E. End STE 200	1.25	1200	1	20	14
15	20	1	650	1.25	LTS Center wing West Suite 200	B	Lights N. Wing E. End	1.25	1200	1	20	16
17	20	1	1200	1.25	LTS Center wing West Suite 200	C	Lights Ste 201	1.25	500	1	20	18
19	20	1	1800	1.00	Outside Perimeter Pole	A	Water Heater Suite 290	1.00	5318	3	30	20
21	20	1	1800	1.00	Outside Perimeter Pole	B	Existing Load	1.00	1800	1	20	22
23	20	3	4155	1.00	Existing Load	C	Lights Ste 200	1.00	1800	1	20	24
25	20	3	4155	1.00	Existing Load	A	Existing Load	1.00	4155	3	20	26
27	20	3	4155	1.00	Existing Load	B	Existing Load	1.00	4155	3	20	28
29					Bussed Space	C	Existing Load	1.00	4155	3	20	30
31					Bussed Space	A	Water Heater Suite 220	1.00	5318	3	30	32
33					Bussed Space	B	Water Heater Suite 220	1.00	5318	3	30	34
35					Bussed Space	C	Water Heater Suite 220	1.00	5318	3	30	36
37					Bussed Space	A	Bussed Space					38
39					Bussed Space	B	Bussed Space					40
41					Bussed Space	C	Bussed Space					42

CONNECTED LOAD:
PHASE A (VA): 25,629
PHASE B (VA): 23,010
PHASE C (VA): 21,110
TOTAL LOAD (VA): 69,750

CALCULATED DEMAND LOAD:
PHASE A (VA): 26,849
PHASE B (VA): 24,456
PHASE C (VA): 22,531
CALCULATED DEMAND LOAD (VA): 73,836 **88.81 A**

NOTES:
1. New work shown in bold
2. Existing panelboard with new work - Circuit Trace and Field Verify existing branch circuits available for use and note on as-built documents.
   Circuit trace existing branch circuits as required and re-use existing circuits as much as possible.
   Circuit numbers on the plans are indicated for design intent only and may not be accurate. Field verify existing panel branch circuits currently serving the work area and identify all circuits available for use to complete the required scope of work.
   Tag any and all circuits removed from service, and/or are no longer used and clearly label circuit in (E) panel identified as 'Spare' for future use and turn off breaker.
   The E.C. shall provide accurate panelboard directories and as-built markups of circuits.

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

PANEL SCHEDULE: LP1 October 3, 2014

BUS RATING: 225A 3Ø, 4-WIRE
MAIN C.B.: or M.L.O.: 200A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 480
VOLTAGE L-G: 277
S.C.RMS RATING (AIC): 22,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	20	1	1700	1.25	South Wing East Suite 150	A	Lighting Contractor	1.25	1500	1	20	2
3	20	1	1800	1.25	South Wing East Suite 150	B	Southwest Pole Lights	1.25	2400	1	20	4
5	20	1	2100	1.25	South Wing East Suite 190	C	East Lot Poles	1.25	2400	1	20	6
7	20	1	1800	1.25	South Wing Center Area	A	Spare					8
9	20	1	1700	1.25	South Wing Center Area	B	Exercise Room & Center Wing West	1.25	2700	1	20	10
11	20	1	1600	1.25	South Wing End	C	Spare Center Wing South West	1.25	2800	1	20	12
13	20	1	1800	1.25	Cort Lighting West	A	Lighting Ped Eye West	1.25	1800	1	20	14
15	20	1	2100	1.25	Cort Lighting Center	B	Lighting Ped Eye East	1.25	1800	1	20	16
17	20	1	3200	1.25	Cort Lighting Center North	C	Cort Lighting East	1.25	1100	1	20	18
19	20	1	1500	1.25	Center Wing West	A	Spare					20
21	20	1	2400	1.25	Lighting Sports Medicine	B	Spare					22
23	20	1	2400	1.25	Lighting Sports Medicine	C	Spare			1	20	24
25	20	3	3546	1.00	Ste 150 Water Heater	A	Spare			3	50	26
27	20	3	3546	1.00	Ste 150 Water Heater	B	Spare			3	50	28
29	20	3	3546	1.00	Ste 150 Water Heater	C	Spare			3	50	30
31					Bussed	A	Bussed					32
33					Bussed	B	Bussed					34
35					Bussed	C	Bussed					36
37	20	3	3546	1.00	Ste 150 Water Heater	A	Bussed					38
39	20	3	3546	1.00	Ste 150 Water Heater	B	Bussed					40
41	20	3	3546	1.00	Ste 150 Water Heater	C	Bussed					42

CONNECTED LOAD:
PHASE A (VA): 17,191
PHASE B (VA): 21,991
PHASE C (VA): 22,691
TOTAL LOAD (VA): 61,874

CALCULATED DEMAND LOAD:
PHASE A (VA): 19,716
PHASE B (VA): 25,716
PHASE C (VA): 26,591
CALCULATED DEMAND LOAD (VA): 72,024 **86.63 A**

NOTES:
1. No new work - shown for reference only

PANEL SCHEDULE: RP2B October 3, 2014

BUS RATING: 225A 3Ø, 4-WIRE
MAIN C.B.: or M.L.O.: 225A
MOUNTING: Surface
COMMENTS: Existing Panelboard

VOLTAGE L-L: 208
VOLTAGE L-G: 120
S.C.RMS RATING (AIC): 22,000

NO.	AMPS	POLE	LOAD (VA)	NEC Demand	LOAD DESCRIPTION	Phase	LOAD DESCRIPTION	NEC Demand	LOAD (VA)	POLE	AMPS	NO.
1	30	3	950	1.00	Existing Load	A	Existing Load	1.00	500	1	20	2
3	30	3	950	1.00	Existing Load	B	Existing Ste 201	1.00	750	1	20	4
5	30	3	950	1.00	Existing Load	C	Existing Load	1.00	500	1	20	6
7	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	8
9	30	2	850	1.00	Existing Load	B	210 Microwave/BRK Room	1.00	1200	1	20	10
11	30	2	850	1.00	Existing Load	C	Existing Load	1.00	500	1	20	12
13	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	14
15	20	1	250	1.00	Security Controller/Load	B	Existing Load	1.00	500	1	20	16
17	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	18
19	20	2	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	20
21	40	2	900	1.00	Existing Load	B	Existing Load	1.00	500	1	20	22
23	40	2	900	1.00	Existing Load	C	Existing Load	1.00	500	1	20	24
25	20	1	500	1.00	Mens Restroom Heater	A	Existing Load	1.00	500	1	20	26
27	20	1	500	1.00	Colorado ENT Copier Suite 240	B	Existing Ste 201	1.00	750	1	20	28
29	20	1	500	1.00	Existing Load	C	Existing Ste 201	1.00	750	1	20	30
31	15	2	350	1.00	Existing Load	A	Existing Load	1.00	500	1	20	32
33	15	2	350	1.00	Existing Load	B	Silver Water Heater 201	1.00	950	1	30	34
35	20	1	500	1.00	Existing Load	C	Existing Load	1.00	500	1	20	36
37	20	1	500	1.00	Existing Load	A	Existing Load	1.00	500	1	20	38
39	20	2	450	1.00	Existing Load	B	Suite 250 Copier	1.00	500	1	20	40
41	20	2	450	1.00

COMcheck Software Version 4.1.1.0
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Suite 201 Remodel
Project Type: Alteration

Construction Site:
1400 South Potomac
Suite 201
Aurora, CO 80012

Owner/Agent:

Designer/Contractor:
Carl Fretwell
Front Range Electrical Engineering
3333 South Wadsworth Blvd.
Suite D210
Lakewood, CO 80227
303-985-0548
Carl@FREEngineer.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Medical Clinic (Healthcare Facility:Lounge/Breakroom): Exempt			
		Total Allowed Watts =	N/A

Area Category Exemption Qualifications

Activity Area	# Fixtures Pre-Alt.	# Fixtures Repl./Added	Total # Watts Pre-Alt.	Total # Watts Post-Alt.
Medical Clinic (Healthcare Facility:Lounge/Breakroom 558 sq.ft.)	7	0	455.000	455.000
Exemption: Less than 10% fixture replacement.				

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)
Medical Clinic (Healthcare Facility:Lounge/Breakroom 558 sq.ft.): Exempt				
			Total Proposed Watts =	N/A

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Carlton Fretwell, P.E. — Name - Title
Signature
07-26-20 — Date

COMcheck Software Version 4.1.1.0
Inspection Checklist

Energy Code: 2015 IECC

Requirements: 0.0% 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	

Additional Comments/Assumptions:

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	
C405.2.1 [EL18]*	Occupancy sensors installed in required spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.2.3 [EL23]*	Indepencent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2.1 [EL22]*	Automatic controls to shut off all building lighting installed in all buildings.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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	
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	
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	
C405.2.4 [EL4]*	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
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	
C405.3 [EL6]*	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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	
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	
C408.3 [FI33]*	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

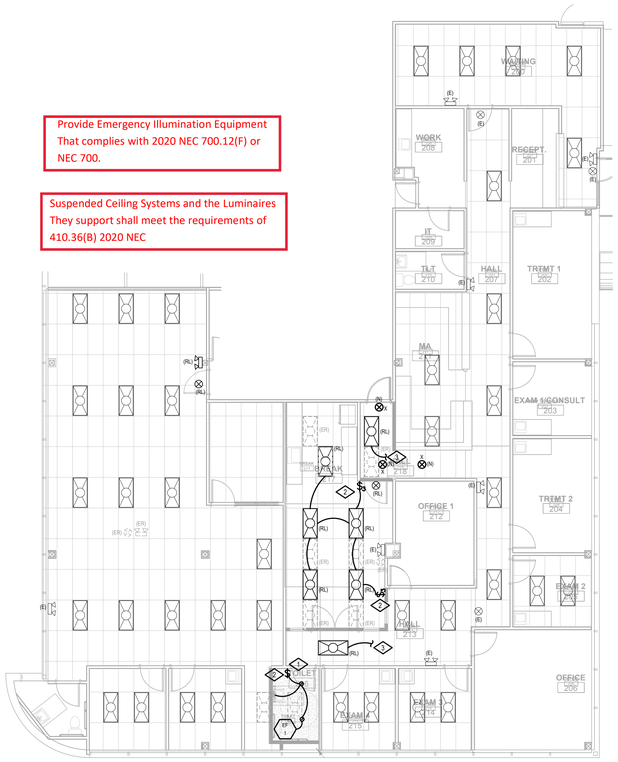
Additional Comments/Assumptions:

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

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

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



2 E1.0 — LIGHTING PLAN
SCALE: 1/8" = 1'-0"

Project North

LIGHTING PLAN GENERAL NOTES:

1. CONNECT EGRESS LIGHTING FIXTURES AND EXIT SIGNS TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCH PER NEC 700-12(F) INCLUDING ANY NIGHT LIGHTS. FIXTURES SHOWN SHADED OR LABELED ARE EMERGENCY EGRESS (EM) WITH BATTERY PACK, NIGHT LIGHT (NL) OR BOTH (EMNL).
2. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN EXISTING PANELBOARDS.
3. 2x4 LIGHT FIXTURES ARE TYPE 'A' AND DOWNLIGHTS ARE TYPE 'D' UNLESS NOTED.
4. EXIT SIGNS TYPE 'X' AND/OR 'XEM' AND EGRESS LIGHTS TYPE 'EM' SHALL BE NEW WITH EMERGENCY BATTERY PACK, MATCH EXISTING BUILDING STANDARD FIXTURES.
5. HEALTHCARE CABLE - PROVIDE APPROVED HEALTHCARE FACILITY HCF CABLE OR EQUAL INSULATED GROUND AND METAL RACEWAY WIRING SYSTEM FOR ALL PATIENT CARE AREAS IN ACCORDANCE WITH NEC 517 AND BUILDING STANDARD WIRING REQUIREMENTS.
6. BUILDING STANDARDS - PROVIDE ALL WORK IN ACCORDANCE WITH THE BUILDING STANDARDS INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, EGRESS LIGHTING, EXIT SIGNS, FIRE ALARM DEVICES, SWITCHES, RECEPTACLES, HOSPITAL GRADE RECEPTACLES, COVERPLATES, RACEWAYS AND BRANCH CIRCUIT WIRING. FIELD VERIFY REQUIREMENTS WITH BUILDING OWNER.

<1> LIGHTING PLAN KEYED NOTES:

1. WALLSWITCH OCCUPANCY SENSOR - PROVIDE DUAL TECHNOLOGY GREENGATE ONW-D-1001-MV-N-* OR EQUAL.
2. PROVIDE NEW SWITCHING OF EXISTING, NEW, OR RELOCATED FIXTURES FOR CONTROL OF ROOM LIGHTING AS REQUIRED FOR NEW PARTITION LAYOUT. FIELD VERIFY EXISTING CONDITIONS. MAINTAIN EXISTING CIRCUIT CONNECTIONS.
3. CONNECT RELOCATED LIGHT FIXTURES TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROLS. FIELD VERIFY EXISTING CONDITIONS.

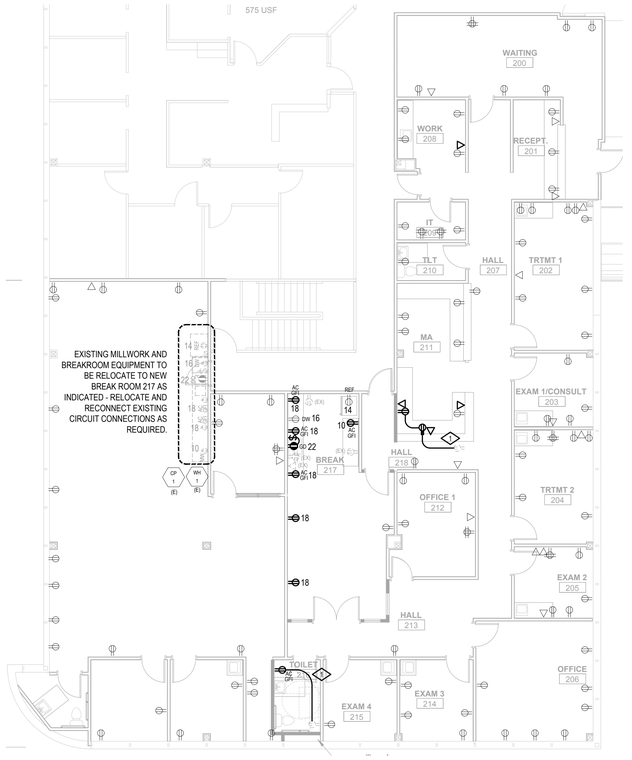
LUMINAIRE SCHEDULE — July 29, 2020

Label	Light Fixture Description	Specification	Lamping	Voltage	Mounting	Comment
Interior Lighting						
D	6" Dimmable LED Downlight	Halo	13W LED	120	Recessed	
	900 Lumen LED, White Trim, Haze Reflector	H750T with ML5609940 and 692H	3000K/90CRI			
V	Vanity Light	WAC or Equal	LED 24 5W	120	Surface above Mirror	
	LED with Brushed Nickel Finish	WS-73161 2700K 90CRI 24.5W BN	2700K 90CRI		Verify Mounting	
Emergency Lighting						
X	LED Exit Sign	Cooper Sure-Lites or Equal, Match Bldg. Std.	1.33W Max. LED	120/277	Surface	
	with 90-Minute Battery Pack	APX7	Included			

NOTES: Apply to all fixtures where applicable

1. EMERGENCY FIXTURES - All Fixtures Indicated as Emergency shall be provided with a 90-Minute Battery Pack and all Fluorescent Fixtures indicated as Emergency shall be provided with a 1300 Lumen, 90-Minute Battery Pack.
2. VERIFY VOLTAGES - The E.C. shall verify voltages on drawings prior to ordering or any work, the engineer shall be notified of any discrepancies in the voltage of the circuiting on the drawings and the luminiare schedule prior to any purchase or work.
3. VERIFY LAMPING - The E.C. shall verify lamping with the manufacturer prior to ordering and notify the engineer of any lamping discrepancies.
4. PROVIDE A COMPLETE INSTALLATION - The E.C. shall provide all labor and material to provide a complete and functional system per the design intent as dictated by the switching type and location (including dimmer switches and compatible ballasts or transformers), ceiling type and location, circuiting, voltages, lamping types and all low voltage wiring for 0-10V dimming as required.
5. BALLAST DISCONNECT - All electric discharge luminaires shall comply with NEC 410.130 and shall have a means of disconnect for the ballast.
6. DUAL LEVEL SWITCHING - For fixtures with more than one switch designation shown on plans provide fixtures with additional ballasts for dual level light control by separate switching of inboard and outboard lamps as required to conform to IECC Requirements.
7. OWNER APPROVAL - Approve all light fixture types with tenant/owner before ordering any materials or any work.

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



1 E1.0 — POWER PLAN
SCALE: 1/8" = 1'-0"

Project North

POWER PLAN GENERAL NOTES:

1. PROVIDE OUTLET WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GFI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND ENCLOSED IN A WEATHERPROOF EXTRA DUTY ENCLOSURE WHILE IN USE IN ACCORDANCE WITH NEC 406.9(B).
3. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, EXTERIOR, AND WITHIN 6FT. OF A SINK, AND ALL OTHER REQUIRED LOCATIONS SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(B) AND 422.5. THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC. PROVIDE GFCI TEST SWITCH (OR GFCI BREAKER) IN READILY ACCESSIBLE LOCATION PER NEC.
5. PROVIDE CONNECTION TO TENANT SIGN. FIELD VERIFY ELECTRICAL REQUIREMENTS AND FINAL LOCATION WITH PROVIDER, TENANT AND LANDLORD. PROVIDE PHOTOCELL ON/TIMECLOCK OFF CONTROLS. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.
6. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN UNIT PANEL UNLESS NOTED.
7. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
8. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

<2> POWER PLAN KEYED NOTES:

1. RELOCATE DEVICE - EXTEND EXISTING BRANCH CIRCUIT TO NEW DEVICE LOCATION AS INDICATED. MAINTAIN EXISTING CIRCUIT CONNECTION. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Aug 21, 2020*
2015 INTERNATIONAL CODES & 2020 NEC

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

Consultant

Front Range Electrical Engineering
3333 South Wadsworth Boulevard - Suite D210
Lakewood, CO 80227 | Phone: 303.985.0548
www.FREEngineer.com

COLORADO REGISTERED PROFESSIONAL ENGINEER — Carlton Fretwell — 34235 — JUL 29 2020

Issuance	Date
	07/29/20

Revisions	Date	No.

Project Information

COLORADO NEUROLOGY
1400 S. Potomac, Suite 201
Aurora Colorado

Sheet Information

Sheet Title:
POWER PLAN

Sheet Number:
E-1.0

DPA Project: 20059.00/20-102

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RSN: 1480498
Permit#: 20-1851521-LT