HCA Healthcare℠

HCA HEALTHONE AURORA

SPD EXPANSION

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

DGL PROJECT NO	0640.26.0001	DATE:
HCA PROJECT NO.	2740000052	2026/09/21

HCA DESIGN MANAGER: ZACH WIDEMAN
HCA CONSTRUCTION MANAGER: MARC BRISEBOIS

CITY & STATE - 1ST REVIEW - 2026/09/21

Provide a full-size set of legible APPROVED construction documents on site PRINTED IN COLOR for review by inspector.

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

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

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

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

SEPARATE FIRE SPRINKLER PERMIT REQUIRED:
Due to the proposed work the general contractor is required to obtain the services of a fire sprinkler contractor to determine if a separate sprinkler permit is required. If it is determined that the spacing of the fire sprinkler heads is not incompliance, then a separate fire sprinkler permit is required. Approval of the documents is required prior to system installation or any requires for inspection. A Certificate of Occupancy or final approval cannot be issued by the Building Division without this fire protection system. 2021 IFC, Section 105.6.1

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. **2021 IFC, Section 105.6.6.**

City of Aurora Building Division
Project: *STERILE PROCESSING DEPT EXPANSION*
Address: *1501 S POTOMAC ST*
Occupancy Group: *IBC I-2*
Construction Type: *UBC Type I-F.R. - SPK*
RSN: *2005238*
Permit: *2026 2656467*

DEVENNEY GROUP, LTD.
ARCHITECTS
ARCHITECTS
6900 E CAMELBACK RD, SUITE #500
SCOTTSDALE, AZ 85251
PROJECT MANAGER: SHALIMAR AYOUB 806.831.7202

COLORADO LICENSED 15 DEC.00403289 ARCHITECT
Date Signed: September 21, 2026

SALAS O'BRIEN
MECHANICAL, PLUMBING & ELECTRICAL ENGINEERS
9250 E. COSTILLA AVE, SUITE 220
GREENWOOD VILLAGE, CO 80112
PROJECT MANAGER: PHIL BARBE 615.346.3480

WHITING-TURNER CONTRACTING COMPANY
GENERAL CONTRACTOR
3500 JOHN F. KENNEDY PARKWAY, SUITE 110
FORT COLLINS, CO 80525
PROJECT MANAGER: LIAM ATKINSON 970.218.1888

Devenney Group Ltd., Architects
6900 E. Camelback Rd, Suite 500
Scottsdale, Arizona 85251
T: 602.943.8950
F: 602.943.7645
www.devenneygroup.com

HCA VENDOR INFORMATION

STERIS
JOHN FLEMING, JOHN_FLEMING@STERIS.COM

COVER

GI000

SHEET INDEX

X = ISSUED SHEET R = REVISED SHEET F = FOR REFERENCE ONLY D = DELETED SHEET		CITY & STATE - 1ST REVIEW_ 09/21/2026
SHEET NUMBER	SHEET NAME	
GENERAL INFORMATION		
GI000	COVER	X
GI101	SHEET INDEX, PROJECT INFORMATION, AREA MAPS, SYMBOLS	X
ARCHITECTURAL LIFESAFETY		
AC001	PHASING PLANS – LEVEL 1	X
AC101	LIFE SAFETY PLANS – LEVEL 1	X
AC501	PARTITION TYPES, DETAILS, TYP MTG HTS	X
ARCHITECTURAL		
AE100	OVERALL FLOOR PLAN - LEVEL 1	X
AE101	DEMOLITION & FLOOR PLAN - LEVEL 1	X
AE102	DEMOLITION RCP & REFLECTED CEILING PLAN - LEVEL 1	X
AE601	DOOR SCHEDULE, DOOR & FRAME TYPES, DETAILS	X
INTERIORS		
AF001	FINISH PLAN, SCHEDULE, INTERIOR ELEVATIONS, DETAILS	X
PLUMBING		
P001	PLUMBING ABBREVIATIONS, SYMBOLS AND CODES	X
P002	PLUMBING DETAILS, SCHEDULES, & DIAGRAMS	X
P100	LEVEL 1 UNDERGROUND PLUMBING PLAN	X
P101	LEVEL 1 PLUMBING PLAN	X
MECHANICAL		
H001	MECHANICAL ABBREVIATIONS, SYMBOLS AND CODES	X
HD102	ROOF VENTILATION DEMOLITION PLAN	X
H101	LEVEL 1 VENTILATION PLAN	X
H102	ROOF VENTILATION PLAN	X
H300	DETAILS, DIAGRAMS, SCHEDULES	X
ELECTRICAL		
E001	ELECTRICAL ABBREVIATIONS AND CODES	X
E002	ELECTRICAL SYMBOLS	X
E003	ELECTRICAL COMCHECK	X
E101	LEVEL 1 LIGHTING PLAN	X
E201	LEVEL 1 POWER AND SIGNAL PLAN	X
E202	ROOF POWER PLAN	X
E400	SCHEDULES	X
VENDOR - STERIS - FOR REFERENCE ONLY		
00	COVER	F
01	PROPOSED EQUIPMENT LAYOUT	F

PROJECT SYMBOLS

DIMENSION LINE — 12'-0" / TO FACE OF FRAMING OR CENTERLINE OF STRUCTURE

NORTH ARROW — TRUE NORTH / REFERENCE NORTH

BUILDING SECTION — SECTION DESIGNATION; 7 / AE301; SHEET NUMBER

WALL SECTION — SECTION DESIGNATION; 4 / AE302; SHEET NUMBER

DETAIL — DETAIL NUMBER; 3 / AE302; SHEET NUMBER

EXTERIOR ELEVATION — ELEVATION DESIGNATION; C / 4 / A301; SHEET NUMBER

INTERIOR ELEVATION — ELEVATION DESIGNATION; B / 3 / A301; SHEET NUMBER

PARTITION TYPE — A4

DOOR IDENTIFICATION — DOOR #; 101 NEW; EXIST.

WINDOW IDENTIFICATION — A

EQUIPMENT IDENTIFICATION — S4123

ROOM NAME AND NUMBER — LOBBY / 105; ROOM NAME; ROOM NUMBER

CEILING ELEVATION REFERENCE — 9'-0"

KEYNOTE REFERENCE — XX

ELEVATION/DATUM REFERENCE — LEVEL FINISH FLOOR 100'-0"

ELEVATION CHANGE REFERENCE — 1'-0"

MATERIAL CHANGE REFERENCE — CT; CPT

REVISION — 8

PRE-PERMIT REVISION — STANDARD; A; STANDARD

MATCH LINE — SHEET NUMBER-SIDE MATCHED TO; 1/AE203

COLUMN OR GRID LINE — D; 2

KEY FOR ENLARGED PLAN — 1 / AE411

PROJECT GENERAL NOTES

1. GENERAL NOTES APPLY TO ALL DRAWINGS.
2. LABOR, MATERIALS, CONSTRUCTION METHODS AND WORK TO CONFORM TO THE LATEST GOVERNING CODES, RULES AND REGULATIONS FOR THIS PROJECT AND JURISDICTION. THE MOST STRINGENT SHALL PREVAIL.
3. WHEN REQUIRED BY CODE, RULES OR REGULATIONS, WORK MUST BE INSPECTED AND APPROVED BY AUTHORITY HAVING JURISDICTION.
4. VERIFY EXISTING SITE CONDITIONS PRIOR TO STARTING WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND/OR CONSTRUCTION; NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE DRAWINGS WHICH AFFECT THE SCOPE AND INTENT OF THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
6. DO NOT MEASURE DRAWINGS. DIMENSIONS TO BE FIELD MEASURED AND VERIFIED. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
7. DIMENSIONING ON PLANS IS AS FOLLOWS UNLESS OTHERWISE NOTED:
   A. TO FACE OF MASONRY
   B. TO FACE OF CONCRETE
   C. TO FACE OF STUD IN FRAMED PARTITIONS
   D. GRID LINES: TO CENTER LINE OF COLUMNS
8. CMU WALLS ARE NOMINAL 8" THICK UNLESS NOTED OTHERWISE.
9. NON-BEARING MASONRY WALLS STOP NEXT FULL COURSE ABOVE THE HIGHEST ADJACENT CEILING UNLESS NOTED OTHERWISE.
10. STEEL STUDS FOR INTERIOR PARTITIONS ARE 4" UNLESS NOTED OTHERWISE OR AS REQUIRED TO ACCOMMODATE PIPING OR ELECTRICAL PANELS.
11. DOOR OPENINGS NOT LOCATED BY DIMENSIONS ARE LOCATED AS FOLLOWS:
    A. STUD CONSTRUCTION - 5" FROM FINISH TO FACE OF JAMB.
    B. MASONRY CONSTRUCTION - AS NEAR AS POSSIBLE CONSISTENT WITH MODULE JOINTS.
12. FIELD VERIFY DIMENSIONS OF OPENINGS FOR DOORS AND WINDOWS PRIOR TO FABRICATION.
13. FIELD VERIFY SPACES REQUIRING CABINETS, COUNTERS, CASEWORK, ETC. PRIOR TO FABRICATION.
14. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL CHASE SIZES AND LOCATIONS.
15. PROVIDE ACCESS PANELS REQUIRED BY MECHANICAL, PLUMBING, ELECTRICAL AND OTHER TRADES, WHETHER INDICATED ON THE DRAWINGS, SPECIFIED OR REQUIRED BY CODE.
16. GYPSUM BOARD TO BE 5/8" TYPE 'X' FIRE RATED UNLESS NOTED OTHERWISE.
17. GYPSUM BOARD AT NON-RATED INTERIOR PARTITIONS TERMINATES 6" (MINIMUM) ABOVE THE HIGHEST ADJACENT CEILING UNLESS NOTED OTHERWISE.
18. SCRIBE GYPSUM BOARD TO IRREGULARITIES OF ADJACENT SURFACES; SEAL TIGHT AROUND PENETRATIONS.
19. SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WITH APPROVED MATERIALS AND METHODS MEETING REQUIREMENTS OF AGENCY HAVING JURISDICTION.
20. NEW WORK TO ALIGN WITH AND MATCH EXISTING EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
21. WHEN EXISTING EQUIPMENT, FIXTURES, PIPING, DUCTS, ETC. ARE REMOVED SUCH REMOVAL SHALL INCLUDE ANCHORS, HANGERS, BASE, ETC.; AFTER REMOVAL, PATCH FLOORS, WALLS AND CEILINGS TO MATCH ADJACENT SURFACES IN MATERIAL, TEXTURE AND COLOR.
22. PATCH EXISTING PARTITIONS AND WALLS WITHIN THE SCOPE OF THE PROJECT THAT ARE DENTED OR DAMAGED AND FILL ALL NAIL HOLES, ETC. TO PREPARE FOR FINISH AS PER THE ROOM FINISH LEGEND.
23. PATCH AND REPAIR PARTITIONS, WALLS AND FLOORS CUT OUT FOR MECHANICAL, PLUMBING OR ELECTRICAL WORK.
24. PROVIDE GYPSUM BOARD BARRIER (FIRE RATED ASSEMBLIES WHERE REQUIRED) WITH ACCESS BETWEEN CONSTRUCTION AREA AND EXISTING AREA TO REMAIN. NO FUMES, DUST OR DEBRIS IS PERMITTED OUTSIDE OF THE CONSTRUCTION BARRIER.

DISCLAIMER

THESE COMPOSITION PLANS WERE DEVELOPED USING THE RECORD CONSTRUCTION PLANS PROVIDED BY THE CLIENT. RECORD DRAWINGS WERE UTILIZED TO GENERATE THE COMPOSITE PLANS. VERIFICATIONS WERE MADE FOR MINOR ALTERATION AND DEVIATIONS FROM THE ORIGINAL CONSTRUCTION PLANS. EXTENSIVE AS-BUILT VERIFICATION WAS NOT PERFORMED FOR THE COMPOSITE PLANS. THE COMPOSITE PLANS WERE UTILIZED FOR THE BASE PLANS FOR THE DEVELOPMENT OF THE MECHANICAL AND ELECTRICAL COMPOSITE PLANS. LIMITED FIELD VERIFICATION OF MECHANICAL AND ELECTRICAL SYSTEMS WERE PERFORMED TO DETERMINE LOCATIONS OF MAJOR COMPONENTS, FIRE PROTECTION AND LIFE SAFETY SYSTEMS.

VICINITY MAP

PROJECT DATA

PROJECT NAME	THE MEDICAL CENTER OF AURORA SPD EXPANSION		
ADDRESS	1501 S POTOMAC ST		
	AURORA COLORADO	80012	
BRIEF PROJECT DESCRIPTION	A renovation to the Sterile Processing Department that includes expanding the Decontamination area into a portion of the adjacent Instrument Storage room with minimal disruption for added equipment. Equipment scope consists of replacing a Prep Sink, adding two new Prep Sinks and two Sonic Cleaners. Cosmetic renovation will occur in the remaining area of the Decon room and small portion of the Corridor to ensure wall finishes and flooring are continuous. The renovation does not impact Life Safety or Smoke Compartments and it does not add any square footage to the building.		
OVERALL BUILDING HEIGHT	6 STORIES	70 FEET	
BUILDING OCCUPANCIES & TOTAL CONSTRUCTION AREAS	**Renovation**	I-2, condition 2	Level 1 (Decon) = 794 SF
CONSTRUCTION TYPE	TYPE 1A	NFPA TYPE 1	
BASE ALLOWABLE AREA PER STORY (IBC 503)	Unlimited		
ALLOWABLE AREA PER STORY WITH MODS (IBC 506)	Unlimited		
BASE ALLOWABLE BUILDING HEIGHT (IBC 503)	Unlimited		
ALLOWABLE BUILDING HEIGHT WITH MODS (IBC 504)	Unlimited		
OCCUPANT LOAD / LOAD FACTOR / FUNCTIONS	See Life Safety Plans		
Occupancy Separation Requirements	Partial Non-Separated & Separated Occupancies; See Life Safety Plans		
Exits Required & Provided	3 @ Each Floor		
Fire Sprinklers	Full Per NFPA 13		
Fire Alarms	Provided		
Emergency Lighting	Provided		

Fire Resistance Rating Requirements for Building Elements			
Existing Building Element	TYPE 1A CONSTRUCTION	NFPA TYPE 1	UBC Type I-F.R. - SPK
Primary Structural Frame	3a	Hours	
Bearing walls: Exterior	3	Hours	
Bearing walls: Interior	3	Hours	
Nonbearing walls and partitions: Exterior	See IBC table 705.5.		
Nonbearing walls and partitions: Interior	0	Hours	
Floor construction and associated secondary members	2	Hours	
Roof construction and associated secondary members	1 1/ 2b	Hours	

a. Roof supports: Fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.

b. Except in Group F-1, H, M and S-1 occupancies, fire protection of structural members shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.

Governing Codes (Local)	**Life Safety, Building Code, & Accessibility Review - City of Aurora, CO**
	Per Current City of Aurora "Code of Ordinances":
	2021 International Building Code
	2026 National Electrical Code
	2021 International Mechanical Code.
	2021 International Plumbing Code.
	2021 International Energy Conservation Code.
	2021 International Fire Code.
	2021 Fuel Gas Code
	2021 International Existing Building Code
	2017 ICC/ANSI A1171.1 Accessible and Usable Buildings and Facilities
	2010 ADA Standards for Accessible Design
Governing Codes (Jurisdictional)	**Colorado Department of Public Health & Environment (CDPHE)**
	2022 Guidelines for Design and Construction of Health Care Facilities
	The following 2021 International Fire Codes
	a. NFPA 3 Standard for Commissioning of Fire Protection and Life Safety Systems
	b. NFPA 4 Standard for Integrated Fire Protection and Life Safety System Testing
	c. NFPA 99 Health Care Facilities Code
	d. NFPA 101 Life Safety Code
	e. NFPA 101A Guide on Alternative Approaches to Life Safety
	f. NFPA 170 Standard for Fire Safety and Emergency Symbols
	2021 International Building Code with current modifications & deletions
	2021 International Mechanical Code with current modifications & deletions
	2021 International Energy Conservation Code
	2021 International Existing Building Code
Governing Codes (Jurisdictional)	**Colorado Division of Fire Prevention & Control (CDFP)**
	Colorado Division of Fire Prevention and Control has reviewed the submitted plans to comply with 8 CCR 1507-101 BUILDING AND FIRE CODE ADOPTION AND CERTIFICATION OF INSPECTORS FOR FIRE & LIFE SAFETY PROGRAMS ADMINISTERED BY THE STATE OF COLORADO Article 3.2.3: Wherever division regulations refer to a Life Safety Code, the following codes, standards, and guidelines will be enforced where applicable:
	2021 International Building Code
	2021 International Mechanical Code
	2021 International Energy Conservation Code
	2021 International Fire Code
	NFPA 3 - 2015 Edition - Standard for Commissioning of Fire Protection and Life Safety Systems
	NFPA 4 - 2015 Edition - Standard for Integrated Fire Protection and Life Safety System Testing
	NFPA 99 - 2012 Edition - Healtch Care Facilities Code
	NFPA 101 - 2012 Edition - Life Safety Code
	NFPA 101A - 2013 Edition - Guide on Alternative Approaches to Life Safety Code
	NFPA 170 -2021 Edition - Standard for Fire Safety and Emergency Symbols

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *rbrubake*
Date: *Sep 24, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

Devenney Group Ltd., Architects

6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:

COLORADO LICENSED ARCHITECT PC.00403289

Date Signed: September 21, 2026

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROL

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 2026/09/21
SCALE:
DRAWN:
REVIEWED:
JOB NUMBER: 0640.26.0001

SHEET INDEX, PROJECT INFORMATION, AREA MAPS, SYMBOLS

GI101

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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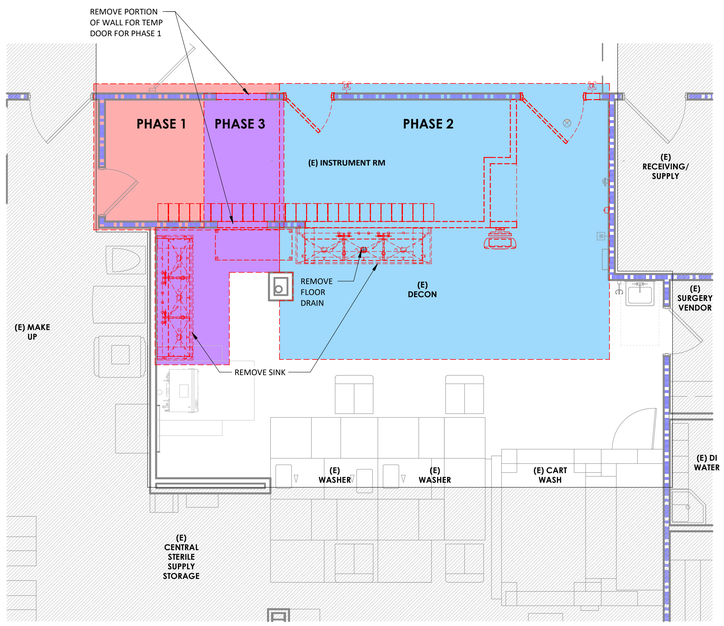

1 PHASING DEMO PLAN - LEVEL 1
1/4" = 1'-0"

AT ALL TIMES DURING CONSTRUCTION, MAINTAIN REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION AND SANITARY GUARDS PER 2021 IBC 3302.1

City of Aurora Building Division
Reviewed for Code Compliance
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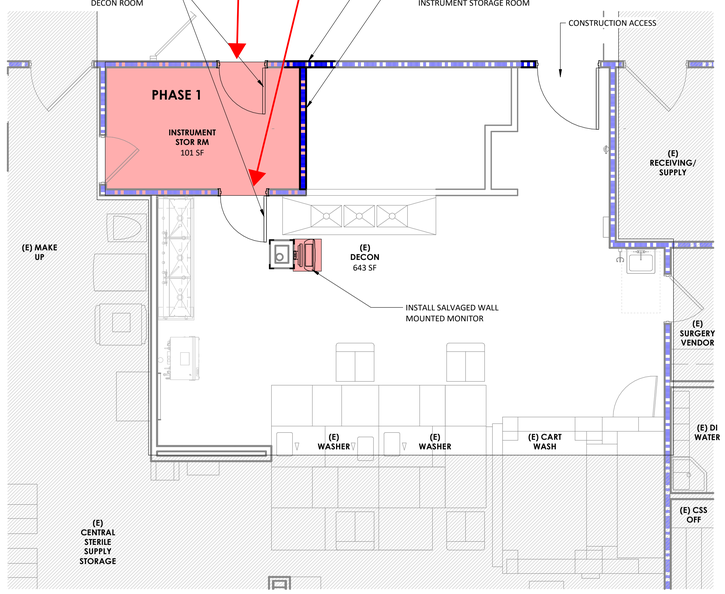
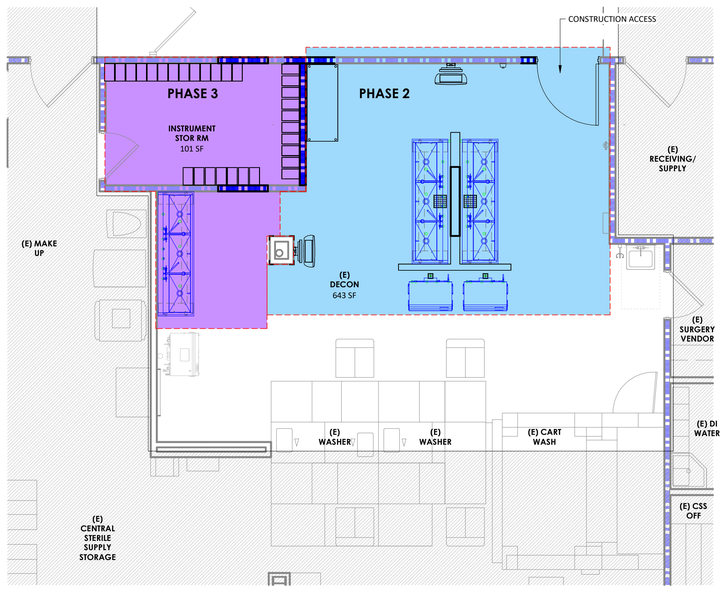
Temporary doors must have a minimum fire-resistance rating of 45 minutes, in accordance with 2021 IBC Table 716.1(2)



2 PHASING PLAN - PHASE 1 - LEVEL 1
1/4" = 1'-0"



3 PHASING PLAN - PHASE 2 & 3 - LEVEL 1
1/4" = 1'-0"

PHASING GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS WHICH MAY AFFECT THE PHASING OF CONSTRUCTION.
2. INSTALL TEMPORARY PARTITIONS AS REQUIRED TO KEEP UNAUTHORIZED PERSONS OUT OF THE CONSTRUCTION AREA AND TO KEEP ADJACENT AREAS FREE OF DUST AND DEBRIS. PRECAUTIONS SHALL BE TAKEN TO PREVENT DUST AND ODORS FROM BEING RECIRCULATED THROUGHOUT RETURN AIR SYSTEMS.
3. WORK DIRECTLY WITH THE OWNER TO ESTABLISH LOCATIONS FOR TEMPORARY PARTITIONS AND EGRESS IN AND OUT OF ADJACENT INHABITED SPACES.
4. CONSTRUCTION PHASING INDICATED REPRESENTS TWO MAJOR PHASES OF WORK. VERIFY WORK OUTSIDE THE INDICATED AREA ASSOCIATED WITH MECHANICAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, TIE-INS, CAP-OFFS, ETC.

PHASING LEGEND

- PHASE 1
- PHASE 2
- PHASE 3

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REVISIONS		
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DATE:	2026/09/21
SCALE:	As indicated
DRAWN:	
REVIEWED:	
JOB NUMBER:	0640.26.0001

PHASING PLANS – LEVEL 1

AC001

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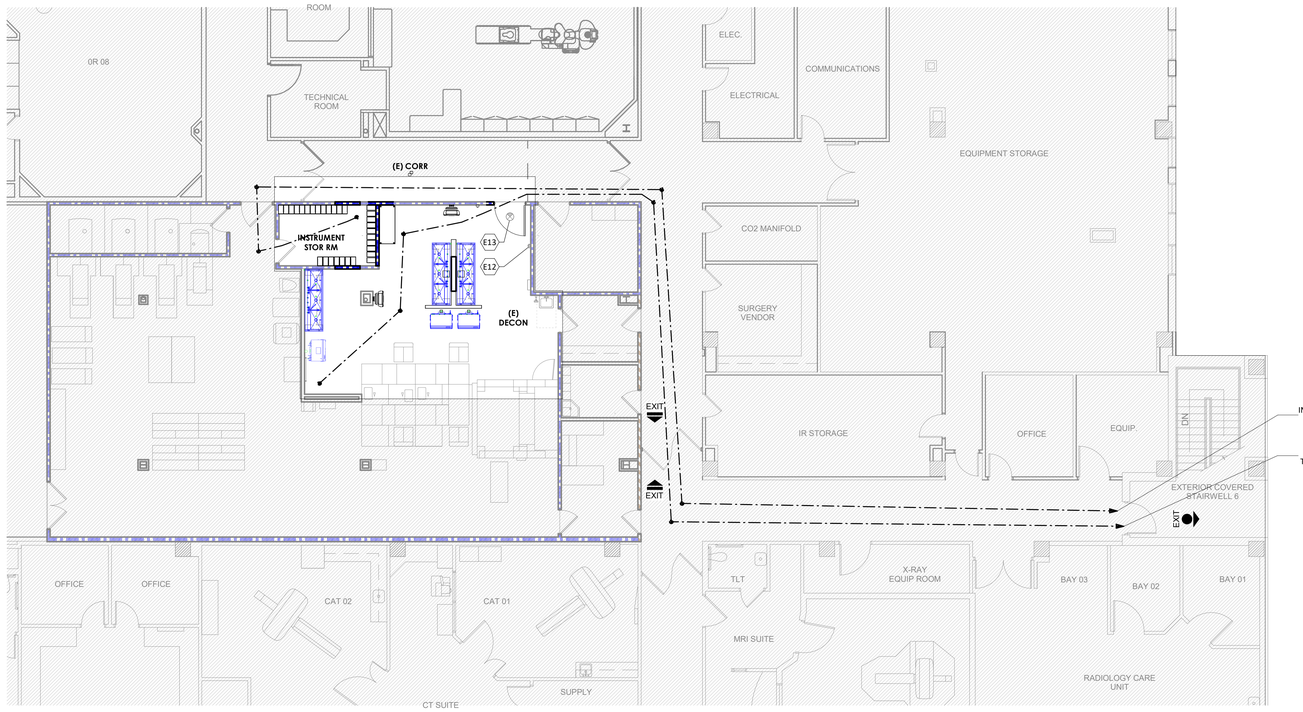

1 LIFE SAFETY PLAN - LEVEL 1
1/8" = 1'-0"

Consultation for exit signs and emergency lights is available upon request. Call 303.739.7420 prior to final Life Safety inspection to verify proposed locations.

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

Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. Exit sign placement shall meet 2021 IBC 1013.1

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *rbrubake*
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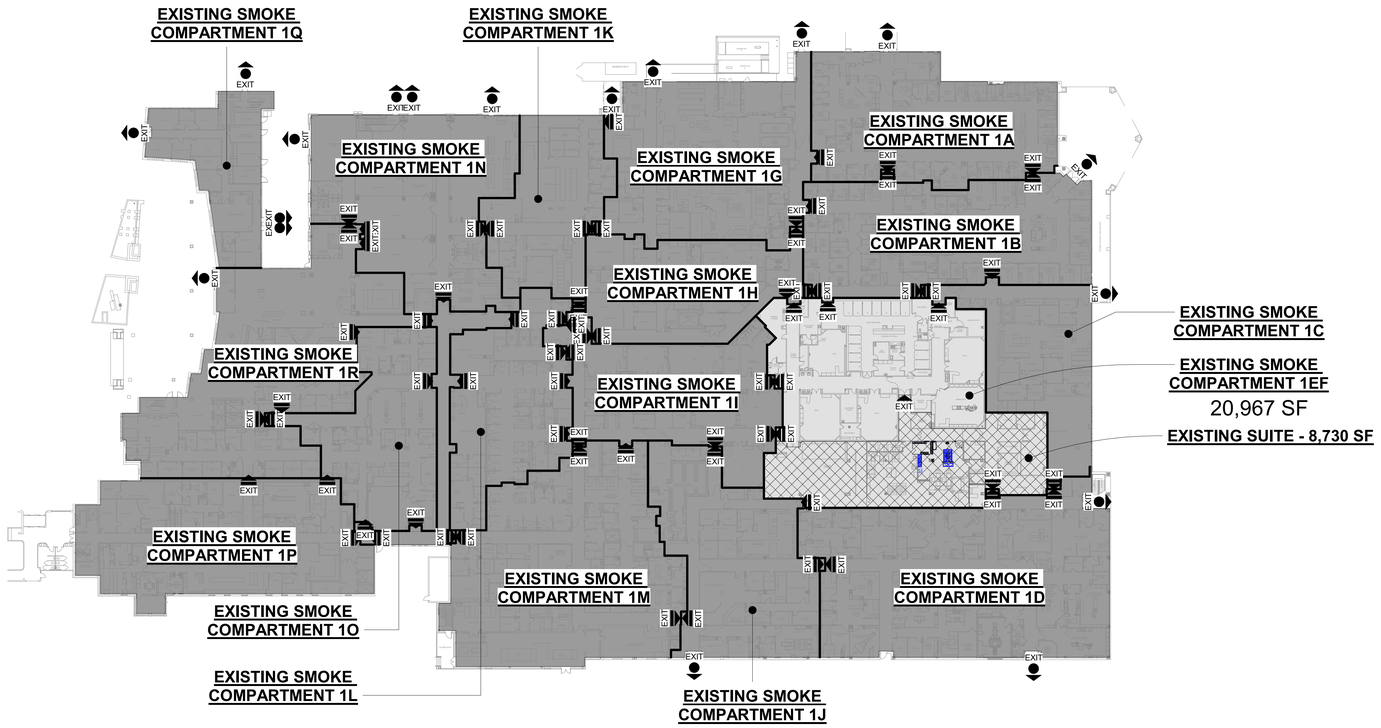

2 SMOKE COMPARTMENT PLAN - LEVEL 1
1" = 40'-0"

LIFE SAFETY PLAN GENERAL NOTES

1. THE RENOVATION DOES NOT IMPACT THE EXISTING LIFE SAFETY PLANS, SUITE BOUNDARIES OR SMOKE COMPARTMENTS.
2. THE RENOVATION DOES NOT ADD ANY NEW SQUARE FOOTAGE TO THE EXISTING BUILDING. THE DECON IS EXPANDING INTO THE ADJACENT INSTRUMENT STORAGE.
3. ALL INFORMATION GRAYED-OUT ON THE LIFE SAFETY PLAN INDICATES AREA OUT OF SCOPE.
4. ALL INFORMATION GRAYED-OUT ON THE SMOKE COMPARTMENT PLAN INDICATES A DIFFERENT SMOKE COMPARTMENT.

LIFE SAFETY LEGEND

- EXIT — EXIT
- EXIT — EXIT ACCESS DOORWAY
- EXIT — EXIT SUITE
- TRAVEL DISTANCE
- INDICATES SMOKE COMPARTMENT SEPARATIONS (NEW PARTITIONS TO BE CONSTRUCTED PER THE PARTITION TYPES & DETAILS SHEETS)
- FEC — FIRE EXTINGUISHER CABINET. PROVIDE FIRE EXTINGUISHERS THROUGHOUT THE PROJECT SO THAT OCCUPANTS ARE WITHIN A 75'-0" TRAVEL DISTANCE. REFER TO IFC TABLE 906.3(1)
- FE — SURFACE MOUNTED FIRE EXTINGUISHER
- ILLUMINATED EXIT SIGN

PARTITION LEGEND

EXISTING	NEW	
		NON-RATED PARTITION
		2-HOUR FIRE BARRIER
		1-HOUR FIRE BARRIER
		1-HOUR SMOKE BARRIER
		SMOKE PARTITION
		LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)
		HATCH INDICATES DEPARTMENT SUITE EXTENTS

MEANS OF EGRESS GENERAL NOTES

THE FOLLOWING MINIMUM CLEAR WIDTHS OF EGRESS COMPONENTS SHALL BE MET OR EXCEEDED.

COMPONENT	MINIMUM CLEAR WIDTH
DOORS:	
MEANS OF EGRESS	32 INCHES
MEANS OF EGRESS IN I-2 OCCUPANCY USED FOR MOVEMENT OF BEDS	41 1/2 INCHES
STAIRWAYS:	
GENERAL	44 INCHES
AISLES:	36 INCHES
CORRIDORS, RAMPS, AND EXIT PASSAGEWAYS:	
50 OCCUPANTS OR GREATER	44 INCHES
LESS THAN 50 OCCUPANTS	36 INCHES
WHERE REQUIRED FOR BED MOVEMENT	96 INCHES
OUTPATIENT GURNEY TRAFFIC	72 INCHES

EXIT ACCESS TRAVEL DISTANCE - LEVEL 1

SEE TABLE 1017.2 FOR MAX TRAVEL DISTANCE I-2 = 200' (2021 IBC)

PATH NAME	DISTANCE
DECON	158' - 9"
INSTRUMENT STOR	172' - 7"

KEYNOTE LEGEND

KEY	NOTE
E12	EXISTING FIRE EXTINGUISHER TO REMAIN.
E13	EXISTING EXIT SIGN TO REMAIN.

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Consultant:

COLORADO LICENSED ARCHITECT
Date Signed: September 21, 2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROL

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	As indicated
DRAWN:	
REVIEWED:	
JOB NUMBER:	0640.26.0001

LIFE SAFETY PLANS – LEVEL 1

AC101

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Autodesk Docs://HCA Healthone Aurora SPD Expansion/0640.26.0001_HCA_AURORA_SPD EXPANSION_rvt25.rvt
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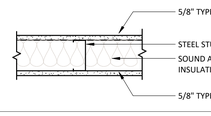
SUMMARY OF REQUIRED FIRE PROTECTION ASSEMBLIES

CATEGORY	FUNCTION	DESCRIPTION	REQUIRED RATING	TYPE OF PROTECTION	BASIS OF DESIGN PRODUCT	LISTED DETAIL	NOTES
PARTITIONS	SEPARATION OF ACCESSORY USE AREAS PER NFPA	RATED PARTITIONS	**1-HOUR**	GYPSUM BOARD / STEEL STUD ASSEMBLY	US GYPSUM PRODUCTS	**UL DESIGN U419**	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION
JOINTS	INTERIOR STUD PARTITION HEAD TERMINATION @ RATED DECK	RATED WALL JOINT	**1-HOUR & 2-HOUR**	FIRE RESISTIVE JOINT MATERIAL ASSEMBLY FOR STUD ASSEMBLIES	US GYPSUM PRODUCTS	**UL DESIGN HW-D-0160**	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION
PENETRATIONS	RATED PARTITION PENETRATIONS FOR MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS	VARIOUS PENETRATIONS THROUGH RATED PARTITIONS AS REQUIRED	**1-HOUR & 2-HOUR**	FIRE RESISTIVE JOINT MATERIAL / ASSEMBLY	VARIES	**UL DESIGN HW-D-0098 UL DESIGN W-L-1001 UL DESIGN W-L-1146 UL DESIGN W-L-1166 UL DESIGN W-L-3194 UL DESIGN W-L-3195 UL DESIGN W-L-3289 UL DESIGN W-L-4037 UL DESIGN W-L-5168 UL DESIGN W-L-5039 UL DESIGN W-L-5147 UL DESIGN W-L-7019 UL DESIGN W-L-7063**	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION
	RATED DECK PENETRATIONS FOR MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS	VARIOUS PENETRATIONS THROUGH RATED DECKING AS REQUIRED	**1-HOUR**	FIRE RESISTIVE JOINT MATERIAL / ASSEMBLY	VARIES	**UL DESIGN C-AJ-1044 UL DESIGN C-AJ-1429 UL DESIGN C-AJ-5119 UL DESIGN C-AJ-4056 UL DESIGN C-AJ-5156 UL DESIGN C-AJ-5001 UL DESIGN C-AJ-5183 UL DESIGN C-AJ-6041 UL DESIGN C-AJ-5210 UL DESIGN C-AJ-7076 UL DESIGN C-AJ-7081**	SEE "LISTED DETAILS" SHEETS FOR FULL DETAIL DESCRIPTION

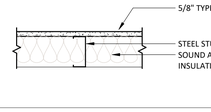
A



PARTITION TYPE	STUD WIDTH
A1	1 1/2"
A2	2 1/2"
A3	3 5/8"
A4	4"
A6	6"
A8	8"

MODIFIERS:
1. -

F



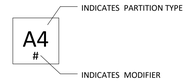
PARTITION TYPE	STUD WIDTH
F1	1 1/2"
F2	2 1/2"
F3	3 5/8"
F4	4"
F6	6"
F8	8"

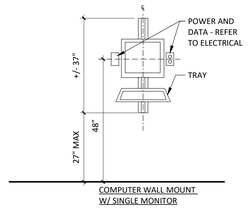
MODIFIERS:
1. PARTIAL HEIGHT SEE PLAN FOR TOP OF PARTITION ELEVATION
2. GYPSUM BOARD 6" ABOVE CEILING

PARTITIONS GENERAL NOTES

1. ALL PARTITIONS TO EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.
2. BRACE PARTITION TO STRUCTURE ABOVE.
3. PROVIDE MOISTURE RESISTANT GYPSUM BOARD (OR CEMENT BOARD) AT WALL TILE LOCATIONS IN LIEU OF STANDARD GYPSUM BOARD.
4. PROVIDE STEEL STUD SILL AND HEADER AT ALL INTERIOR PARTITION PENETRATIONS FOR CONDUIT AND CABLE TRAYS AS REQUIRED.
5. PROVIDE FIRE BATTS AND FIRE SAFING AND SEALANT ASSEMBLIES AT ALL PENETRATIONS THROUGH RATED PARTITIONS AS REQUIRED.
6. FOR STC RATINGS SEE STC PLANS. PROVIDE CONTINUOUS ACOUSTICAL SEALANT AT THE BOTTOM TRACK AND AT TOP TRACK WHERE PARTITION EXTENDS TO DECK.
7. STUD DEPTHS, HEIGHTS AND LIMITS TO BE ENGINEERED BY THE STUD DESIGN ENGINEER.

PARTITIONS LEGEND

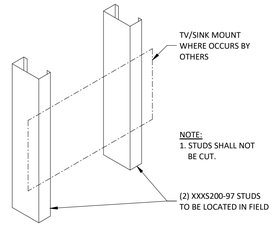




COMPUTER WALL MOUNT W/ SINGLE MONITOR

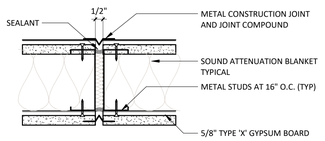
TYPICAL WALL MOUNTED ELECTRONIC EQUIPMENT

1 — 1/2" = 1'-0"

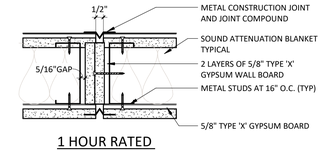


BACKING STUD

2 — 1 1/2" = 1'-0"



NON-RATED



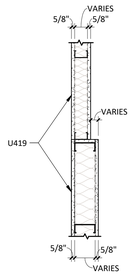
1 HOUR RATED

LOCATE GYPSUM CONTROL JOINTS AS FOLLOWS

0' - 29' WALLS - NOT REQUIRED
30' - 60' WALLS - AT CENTER POINT
MORE THAN 60' - AT 30' O.C. MAX.

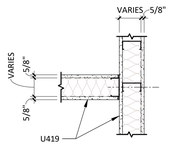
GYPSUM BOARD CONTROL JOINT DETAILS

3 — 3" = 1'-0"



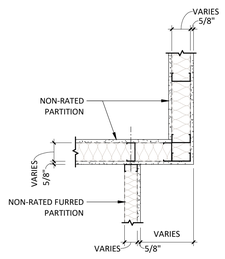
1 HOUR & 1 HOUR PARTITION INTERSECTION - BUTT JOINT

4 — 1" = 1'-0"



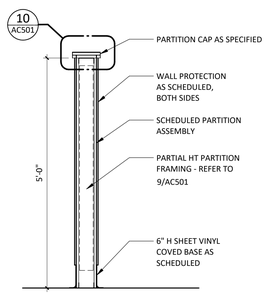
INTERSECTION OF 1 HOUR PARTITION & 1 HOUR PARTITION

5 — 1" = 1'-0"



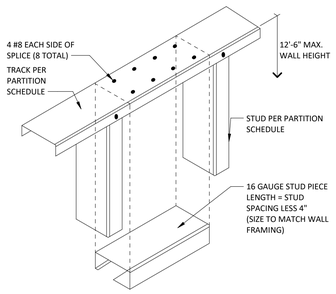
INTERSECTION OF NON-RATED PARTITION & FURRED PARTITION - OFFSET

6 — 1" = 1'-0"



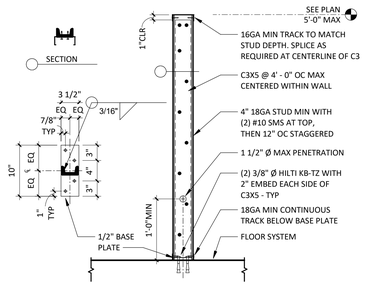
PARTIAL HEIGHT PARTITION

7 — 3/4" = 1'-0"



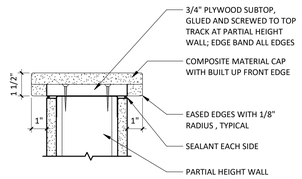
PARTIAL HEIGHT WALL TOP TRACK SPLICE

8 — 1 1/2" = 1'-0"



CANTILEVERED PARTIAL HEIGHT PARTITION

9 — 1" = 1'-0"



PARTITAL HT PARTITION CAP

10 — 3" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *rbrubake*
Date: *Sep 24, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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Consultant:

COLORADO LICENSED ARCHITECT — REC.00403289

Date Signed: September 21, 2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
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AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROL

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
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AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
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REVIEWED:	
JOB NUMBER:	0640.26.0001

PARTITION TYPES, DETAILS, TYP MTG HTS

AC501

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Autodesk Docs://HCA Healthone Aurora SPD Expansion/0640.26.0001_HCA_AURORA_SPD EXPANSION_rvt25.rvt
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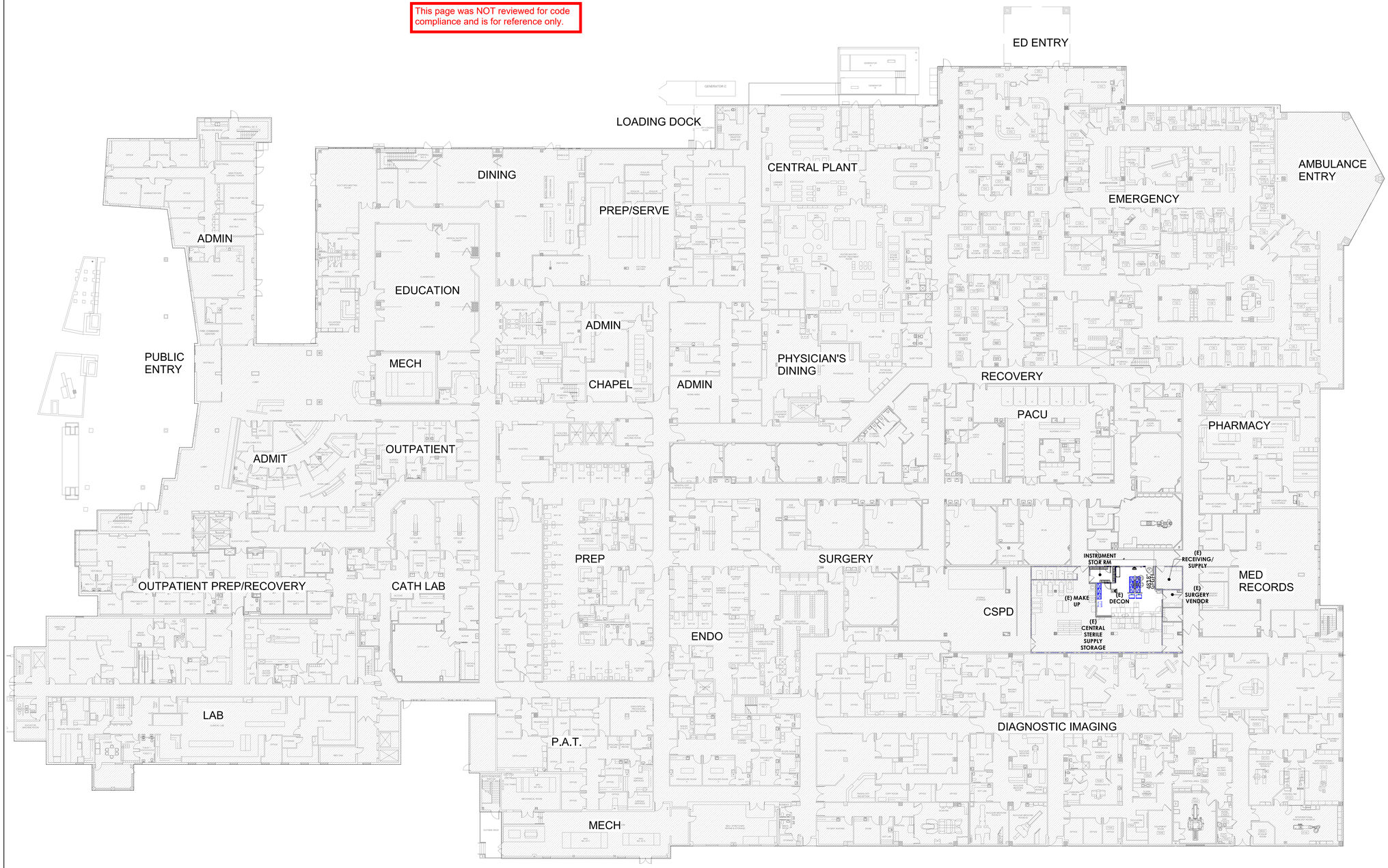
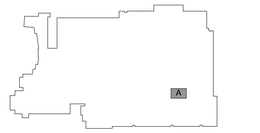
This page was NOT reviewed for code compliance and is for reference only.



1 OVERALL FLOOR PLAN - LEVEL 1
3/64" = 1'-0"

KEY PLAN



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REVISIONS		
REV #	DESCRIPTION	DATE

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SCALE:	3/64" = 1'-0"
DRAWN:	
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OVERALL FLOOR PLAN - LEVEL 1

AE100

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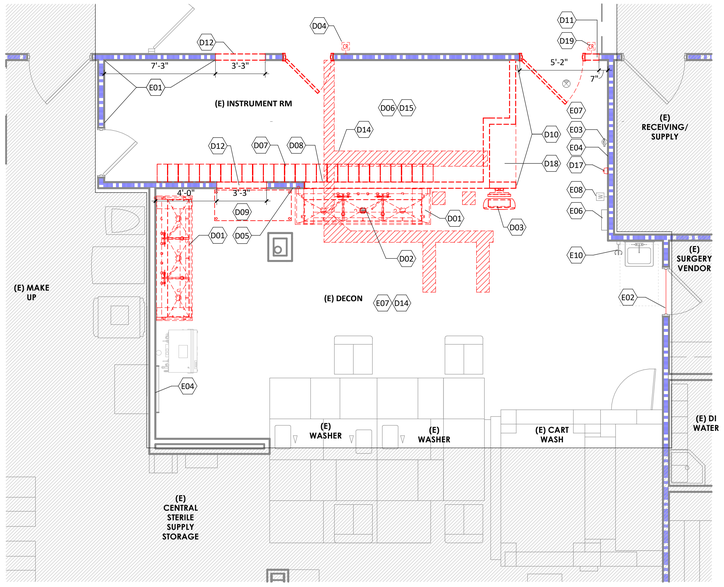
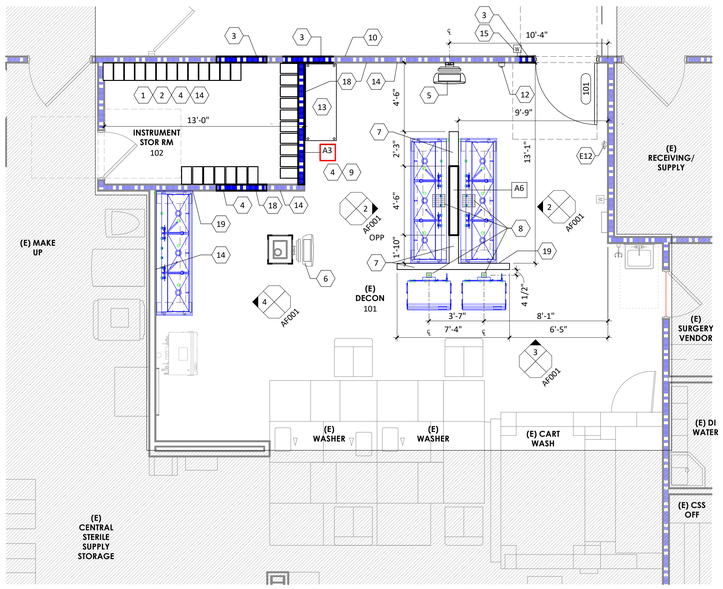


1 DEMOLITION PLAN - LEVEL 1
1/4" = 1'-0"



2 FLOOR PLAN - LEVEL 1
1/4" = 1'-0"

1-HR FIRE BARRIER

KEYNOTE LEGEND

KEY	NOTE
1	PROVIDE IN-WALL BACKING/LOUVERED WALL PANELS FOR BINS.
2	INSTALL SALVAGED WALL MOUNTED BINS.
3	INFILL DOOR OPENING TO MATCH EXISTING MATERIALS AND EXISTING FINISHES.
4	INFILL DOOR OPENING TO MATCH EXISTING MATERIAL AND REFER TO INTERIOR SHEET FOR NEW FINISHES.
5	WALL MOUNTED MONITOR. REFER TO AC501 FOR MOUNTING HEIGHT.
6	INSTALL SALVAGED WALL MOUNTED MONITOR. REFER TO AC501 FOR MOUNTING HEIGHT.
7	INSTALL 5'-0" HIGH PARTITION.
8	INSTALL FLOOR DRAINS PER PLUMBING.
9	REPAIR AND PATCH FLOOR SLAB AS REQUIRED FOR NEW FLOOR FINISHES AND INSTALL NEW FINISHES TO MATCH EXISTING.
10	REPAIR AND PATCH PARTITION AS REQUIRED WHERE CARD READER WAS REMOVED AND PAINT TO MATCH EXISTING.
12	INSTALL SALVAGED WALL MOUNTED HAND SANITIZER ADJACENT TO SHELF.
13	RELOCATED WIRE RACK.
14	REPAIR AND PATCH EXISTING PARTITION AS REQUIRED AND PREP FOR NEW FINISHES.
15	INSTALL SALVAGED WAVE SECURITY DEVICE WITH AUTO OPENER AND TIE INTO NEW DOOR.
18	PAINT 1" RED LINE STRIPE 18" BELOW CEILING LEVEL.
19	INSTALL PREP SINK - EDGE FLUSH WITH ADJACENT PARTITION.
D01	REMOVE PREP SINK.
D02	REMOVE FLOOR DRAIN.
D03	REMOVE WALL MOUNTED MONITOR AND SALVAGE FOR RELOCATION AND REINSTALLATION.
D04	REMOVE CARD READER AND TURN OVER TO OWNER.
D05	REMOVE WALL PROTECTION AND PREP PARTITION FOR NEW FINISHES.
D06	REMOVE SHEET VINYL FLOORING AND WALL BASE & PREP FOR NEW.
D07	REMOVE WALL MOUNTED BINS AND SALVAGE FOR RELOCATION AND REINSTALLATION.
D08	REMOVE LOUVERED WALL PANELS AT PARTITIONS GETTING REMOVED AND SALVAGE FOR RELOCATION AND REINSTALLATION.
D09	REMOVE WIRE RACK AND SALVAGE FOR RELOCATION.
D10	REMOVE WALL PROTECTION & CORNER GUARDS.
D11	REMOVE PORTION OF PARTITION AND FINISHES FOR NEW DOOR AND FRAME.
D12	REMOVE PORTION OF PARTITION AND FINISHES FOR TEMPORARY NEW DOOR AND FRAME FOR PHASE 1.
D14	SAW-CUT CONCRETE FLOOR SLAB AS REQUIRED FOR NEW PLUMBING AND EQUIPMENT FLOOR DRAINS. REFER TO PLUMBING DRAWINGS.
D15	REMOVE CEILING TILES AND GRID. REMOVE LIGHT FIXTURES, MECHANICAL DIFFUSERS AND CEILING MOUNTED DEVICES - REFER TO MEP DRAWINGS.
D17	REMOVE HAND SANITIZER AND SALVAGE FOR RELOCATION AND REINSTALLATION.
D18	REMOVE EPOXY FLOORING AND WALL BASE & PREP FOR NEW.
D19	REMOVE WAVE SECURITY DEVICE AND SALVAGE FOR RELOCATION AND REINSTALLATION.
E01	EXISTING LOUVERED WALL PANELS TO REMAIN.
E02	EXISTING RED FLOOR LINE TO REMAIN.
E03	EXISTING WALL MOUNTED FIRE EXTINGUISHER TO REMAIN.
E04	EXISTING WALL PROTECTION TO REMAIN ON THIS PARTITION.
E06	EXISTING WALL MOUNTED SHELF TO REMAIN.
E07	EXISTING EPOXY FLOORING TO REMAIN.
E08	EXISTING WAVE SECURITY DEVICE TO REMAIN.
E10	EXISTING EYEWASH STATION TO REMAIN.
E12	EXISTING FIRE EXTINGUISHER TO REMAIN.

AT ALL TIMES DURING CONSTRUCTION, MAINTAIN REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION AND SANITARY GUARDS PER 2021 IBC 3302.1

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *rbrubake*
Date: *Sep 24, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

DEMOLITION GENERAL NOTES

1. DELIVER SALVAGED ITEMS TO THE OWNER AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THIS MAY INCLUDE BUT IS NOT LIMITED TO CASEWORK, FURNITURE, DOORS, DOOR HARDWARE, DISPENSERS, MARKERBOARDS, MEDICAL EQUIPMENT, MEDICAL GAS ITEMS, PLUMBING FIXTURES, LIGHT FIXTURES, AND MECHANICAL EQUIPMENT. ALL OTHER ITEMS SHALL BE DISPOSED OF BY CONTRACTOR.
2. PATCH AND REPAIR FLOOR, WALL, AND CEILING PENETRATIONS WHERE ITEMS HAVE BEEN REMOVED TO MATCH EXISTING FINISH. SEAL RATED ASSEMBLIES WITH APPROVED U.L. RATED MATERIALS.
3. PROTECT ADJACENT ITEMS THAT ARE TO REMAIN INCLUDING, BUT NOT LIMITED TO, FINISHES, CASEWORK, FURNITURE, DOORS, PLUMBING FIXTURES, CEILING ASSEMBLIES, AND MECHANICAL EQUIPMENT.
4. PROTECT STRUCTURAL COLUMNS, BEAMS, AND FRAMING. MAINTAIN SPRAYED ON FIREPROOFING RATING AT STRUCTURAL MEMBERS. DAMAGE TO FIREPROOFING SHALL BE PATCHED AND/OR REPLACED TO BRING TO ORIGINAL AND/OR REQUIRED PROTECTION RATING.
5. REMOVE EXISTING FLOOR FINISHES AND PREPARE EXISTING SLAB FOR NEW FINISH INSTALLATION, U.N.O.

DEMOLITION LEGEND

DEMO PARTITION
DEMO DOOR AND FRAME
DEMO WINDOW AND FRAME
DEMO EXISTING PLUMBING FIXTURE
DEMO EXISTING FLOOR SLAB FOR NEW PLUMBING / ELECTRICAL

ANNOTATION PLAN GENERAL NOTES

1. THE WORD "CLEAR" INDICATES CRITICAL DIMENSIONS FOR ACCESSIBLE EQUIPMENT OR FUNCTIONAL CLEARANCES FROM FACE OF FINISH TO FACE OF FINISH.
2. DIMENSIONS MEASURE FROM THE EXPOSED SURFACE OF EXISTING WALLS, PARTITIONS, COLUMNS, ETC.; NEW PARTITIONS ARE DIMENSIONED TO THE FACE OF THE FRAMING; MEASURE AND VERIFY DIMENSIONS IN FIELD.
3. ALL INFORMATION GRAYED-OUT INDICATES EXISTING.
4. ALL EQUIPMENT SHOWN IN BLUE INDICATE SCOPE PROVIDED BY VENDOR. REFER TO VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.

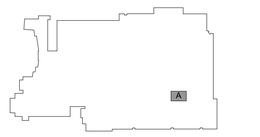
DIMENSION PLANS GENERAL NOTES

1. THE WORD "CLEAR" INDICATES CRITICAL DIMENSIONS FOR ACCESSIBLE EQUIPMENT OR FUNCTIONAL CLEARANCES FROM FACE OF FINISH TO FACE OF FINISH.
2. DIMENSIONS MEASURE FROM THE EXPOSED SURFACE OF EXISTING WALLS, PARTITIONS, COLUMNS, ETC.; NEW PARTITIONS ARE DIMENSIONED TO THE FACE OF THE FRAMING; MEASURE AND VERIFY DIMENSIONS IN FIELD.
3. ALL INFORMATION GRAYED-OUT INDICATES EXISTING.

PARTITION LEGEND

EXISTING	NEW	
		NON-RATED PARTITION
		2-HOUR FIRE BARRIER
		1-HOUR FIRE BARRIER
		1-HOUR SMOKE BARRIER
		SMOKE PARTITION
		LIMITS OF CONSTRUCTION (SHADE INDICATES AREA OUTSIDE OF SCOPE)
		HATCH INDICATES DEPARTMENT SUITE EXTENTS

KEY PLAN



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COLORADO LICENSED ARCHITECT REG. NO. 00403289

Date Signed: September 21, 2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

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CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROL

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

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AGENCY APPROVALS:

REVISIONS		
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DEMOLITION & FLOOR PLAN - LEVEL 1

AE101

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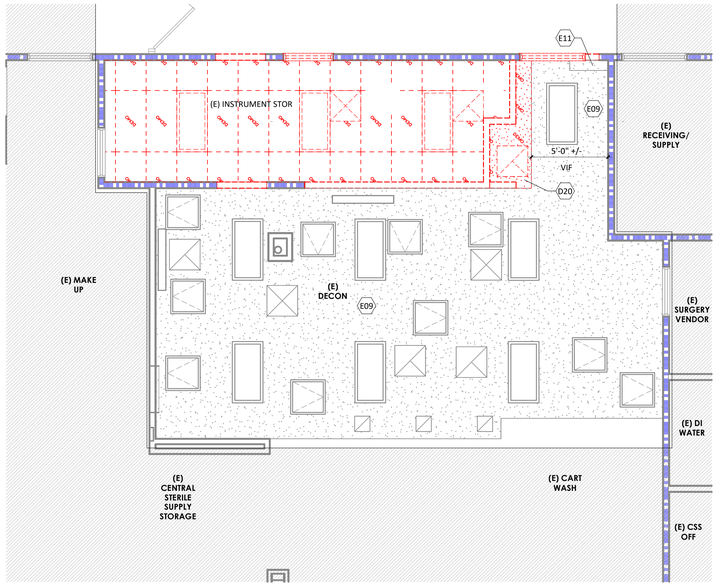
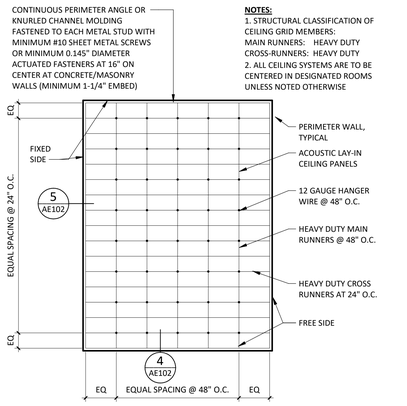
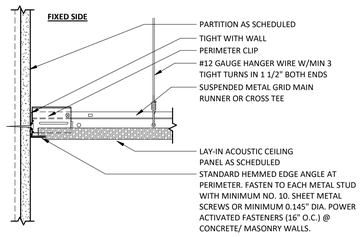


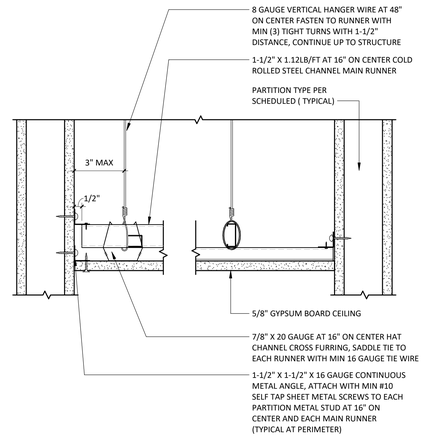
1 DEMOLITION RCP - LEVEL 1
1/4" = 1'-0"



3 APC-SUSPENDED CEILING
1/8" = 1'-0"



SUSPENDED LAY-IN CEILING EDGE CONDITION
4 3" = 1'-0"



GYPSUM BOARD CEILING EDGE- COLD ROLLED SYSTEM
7 3" = 1'-0"

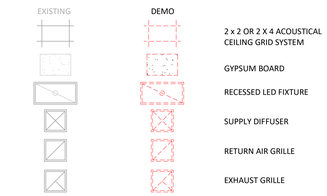
KEYNOTE LEGEND

KEY	NOTE
16	24" X 24" RECESSED CEILING ACCESS PANEL. VERIFY LOCATIN WITH MEP.
17	NEW GYPSUM BOARD CEILING TO MATCH AND TIE INTO EXISTING GYPSUM BOARD CEILING.
D20	REMOVE PORTION OF GYPSUM BOARD CEILING.
E09	EXISTING GYPSUM BOARD CEILING TO REMAIN.
E11	EXISTING GYPSUM BOARD SOFFIT TO REMAIN.

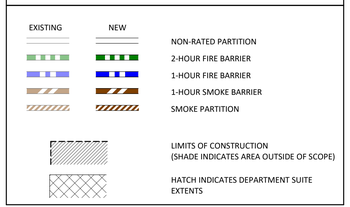
DEMOLITION GENERAL NOTES

1. DELIVER SALVAGED ITEMS TO THE OWNER AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THIS MAY INCLUDE BUT IS NOT LIMITED TO CASEWORK, FURNITURE, DOORS, DOOR HARDWARE, DISPENSERS, MARKERBOARDS, MEDICAL EQUIPMENT, MEDICAL GAS ITEMS, PLUMBING FIXTURES, LIGHT FIXTURES, AND MECHANICAL EQUIPMENT. ALL OTHER ITEMS SHALL BE DISPOSED OF BY CONTRACTOR.
2. PATCH AND REPAIR FLOOR, WALL, AND CEILING PENETRATIONS WHERE ITEMS HAVE BEEN REMOVED TO MATCH EXISTING FINISH. SEAL RATED ASSEMBLIES WITH APPROVED U.L. RATED MATERIALS.
3. PROTECT ADJACENT ITEMS THAT ARE TO REMAIN INCLUDING, BUT NOT LIMITED TO, FINISHES, CASEWORK, FURNITURE, DOORS, PLUMBING FIXTURES, CEILING ASSEMBLIES, AND MECHANICAL EQUIPMENT.
4. PROTECT STRUCTURAL COLUMNS, BEAMS, AND FRAMING. MAINTAIN SPRAYED ON FIREPROOFING RATING AT STRUCTURAL MEMBERS. DAMAGE TO FIREPROOFING SHALL BE PATCHED AND/OR REPLACED TO BRING TO ORIGINAL AND/OR REQUIRED PROTECTION RATING.
5. REMOVE EXISTING FLOOR FINISHES AND PREPARE EXISTING SLAB FOR NEW FINISH INSTALLATION, U.N.O.

REFLECTED CEILING LEGEND

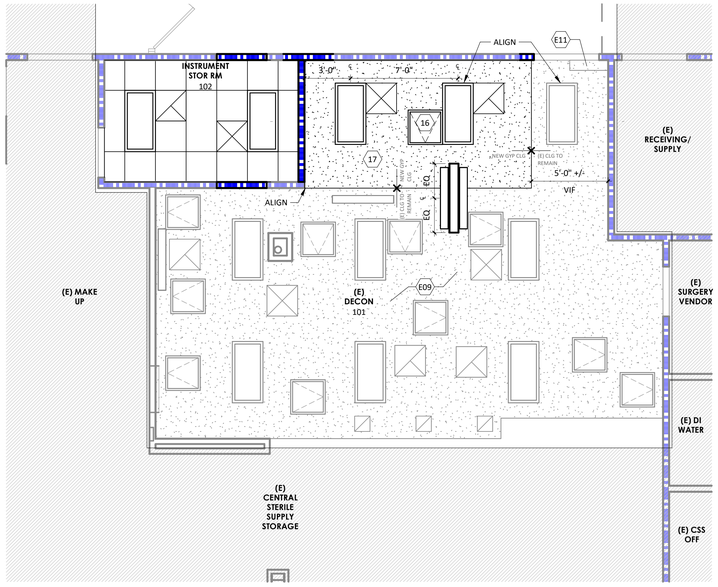


PARTITION LEGEND

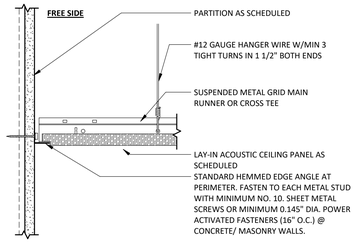


REFLECTED CEILING GENERAL NOTES

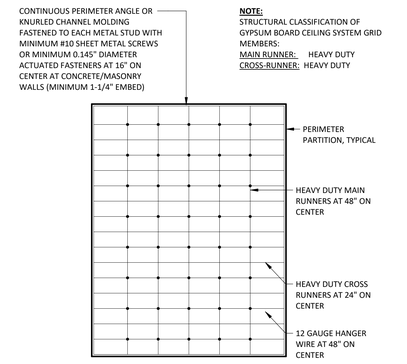
1. CEILING HEIGHTS 9'-0" AFF UNLESS NOTED OTHERWISE. ALL SOFFIT HEIGHTS 8'-0" AFF UNLESS NOTED OTHERWISE.
2. CENTER CEILING SYSTEMS IN ROOMS UNLESS NOTED OTHERWISE.
3. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED LIGHTS, AND SMOKE OR THERMAL DETECTORS IN CEILING TILE UNLESS NOTED OTHERWISE.
4. EXTEND SOFFIT GYPSUM BOARD TO 6" ABOVE FINISHED CEILING.
5. IF SPECIFIED HEIGHT OF FINISHED CEILING NEEDS TO BE LOWERED DUE TO CONDITIONS FOUND DURING CONSTRUCTION OR DEMOLITION, CONTACT ARCHITECT IMMEDIATELY.
6. PROVIDE ACCESS PANELS AS NECESSARY FOR VALVES AND DAMPERS IN GYPSUM BOARD CEILINGS.
7. ALL SOFFIT FACES SHALL RECIEVE SAME PAINT COLOR. SEE PLAN FOR COLOR ASSIGNMENTS
8. DIMENSIONS MEASURE FROM THE FINISH FACE OF PARTITIONS OR EXPOSED SURFACES.



2 REFLECTED CEILING PLAN - LEVEL 1
1/4" = 1'-0"

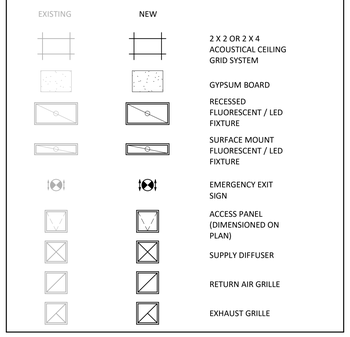


SUSPENDED LAY-IN CEILING FREE EDGE CONDITION
5 3" = 1'-0"



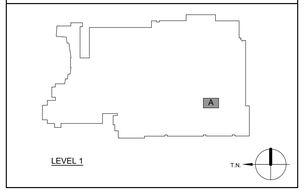
SUSPENDED GYPSUM BOARD CEILING SYSTEM
6 1/8" = 1'-0"

REFLECTED CEILING LEGEND



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *rbrubake*
Date: *Sep 24, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

KEY PLAN



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Date Signed: September 21, 2026

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DEMOLITION RCP & REFLECTED CEILING PLAN - LEVEL 1

AE102

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Autodesk Docs://HCA Healthone Aurora SPD Expansion/0640.26.0001_HCA_AURORA_SPD EXPANSION_rvt25.rvt

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DOOR SCHEDULE

DOOR MATERIAL	HARDWARE	FRAME MATERIAL	REMARKS
WDPL - PLASTIC LAMINATE WOOD MATCH EXISTING	H1 - NEW HW TYPE & FINISH - TO MATCH EXISTING	HM - HOLLOW METAL FRAME & PAINT TO MATCH EXISTING	1 - SALVAGE EXISTING HARDWARE FOR REPLACEMENT INFORMATION 2 - INSTALL SALVAGED WAVE SECURITY DEVICE W/ AUTO OPENER & TIE INTO NEW DOOR

DOOR SCHEDULE

ID	WIDTH	HEIGHT	DOOR PANEL		FRAME		DETAILS			RATING	HARDWARE	REMARKS
			MATERIAL	ELEV.	MATERIAL	ELEV.	HEAD	JAMB	SILL	FIRE		
LEVEL 1												
101	4'-0"	7'-0"	WDPL	A	HM	1	3/AE601	2/AE601	1/AE601	45 MIN	H1	1, 2

Temporary doors must have a minimum fire-resistance rating of 45 minutes, in accordance with 2021 IBC Table 716.1(2)

Provide lever or other approved hardware on all new and relocated doors. **2017 ICC/ANSI 117.7 309.4**

City of Aurora Building Division
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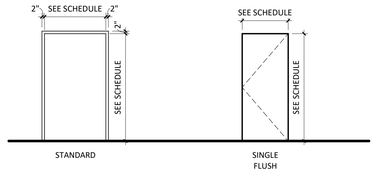
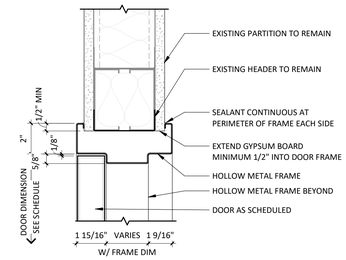


FRAME ELEVATION **DOOR PANEL ELEVATION**

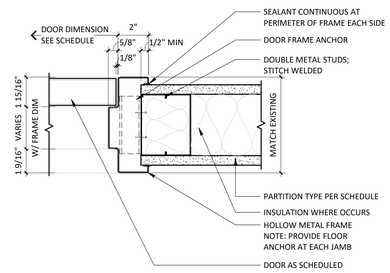
DOOR GENERAL NOTES

1. THE PURPOSE OF THIS SHEET IS TO DESCRIBE AND ILLUSTRATE DOOR TYPES. SEE DOOR MARK SCHEDULE FOR DOOR TYPES USED.
2. FIRE DOORS AND FRAMES SHALL HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY ARE DONE.
3. ALL DOORS IN SMOKE BARRIERS AND OPENING INTO RATED EXIT WAYS SHALL BEAR AN APPROVED LABEL DISPLAYING THE LETTER "S" PER CURRENT APPLICABLE CODES.
4. FIRE ASSEMBLIES REQUIRED TO HAVE 1 ½ HOURS, 1 HOUR OR ¾ HOUR FIRE PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF CLOSING FIRE ASSEMBLIES. AUTOMATIC CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTUATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
5. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
6. PANIC HARDWARE SHALL COMPLY WITH THE REQUIREMENTS OF CURRENT APPLICABLE CODES. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 30 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL.
7. DOOR ASSEMBLIES, APPROACHES AND FINISH HARDWARE SHALL BE IN COMPLIANCE WITH ACCESSIBILITY STANDARDS.
8. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:
   A. EXTERIOR DOORS 5.0 POUNDS
   B. INTERIOR DOORS 5.0 POUNDS
   C. FIRE DOORS 15.0 POUNDS
9. DOOR OPENING LOCATIONS:
   A. IMMEDIATELY (5") ADJACENT TO A FLANKING WALL UNLESS NOTED OTHERWISE
   B. AT THE CENTERLINE OF THE ROOM, UNLESS NOTED OTHERWISE
10. ALL DOOR FRAMES ARE WELDED FRAMES, UNLESS NOTED OTHERWISE.
11. FINISH FLOOR TRANSITIONS OCCUR AT CENTERLINE OF DOORS, UNLESS NOTED OTHERWISE.
12. ALL INTERIOR DOORS WITH FIRE RATINGS GREATER THAN 20 MINUTE SHALL HAVE A NON-COMBUSTIBLE SILL WITH AN UNDERCUT OF 3/8" MAXIMUM ABOVE THE SILL.
13. ALL SOLID CORE WOOD DOORS TO BE STAIN GRADE, UNLESS NOTED OTHERWISE (SEE DOOR SCHEDULE).
14. DOORS WITH AUTO DOOR OPENINGS SHALL MEET REQUIREMENTS IN CURRENT APPLICABLE CODES.



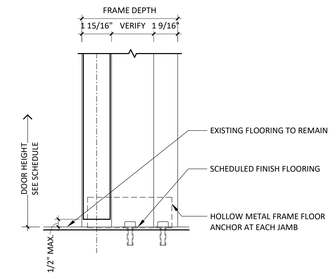
HEAD AT HOLLOW METAL FRAME

3 — 3" = 1'-0"



JAMB AT HOLLOW METAL FRAME

2 — 3" = 1'-0"



SILL AT HOLLOW METAL DOOR

1 — 3" = 1'-0"

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DOOR SCHEDULE, DOOR & FRAME TYPES, DETAILS

AE601

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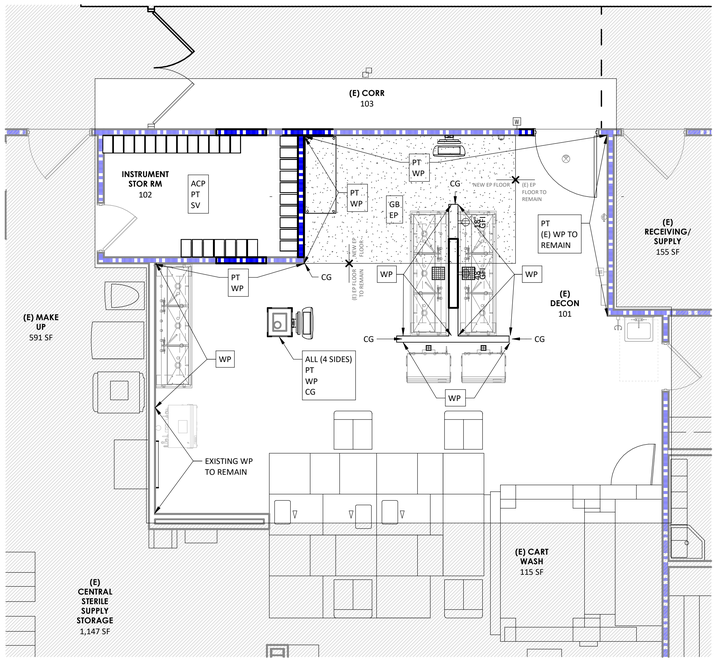


1 FINISH PLAN - LEVEL 1
1/4" = 1'-0"

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

FINISH LEGEND		
FINISH ABBREVIATION		REMARKS
ACP - ACOUSTICAL CEILING PANEL		1 - VERIFY ALL EXISTING FINISHES - NEW FINISHES TO MATCH EXISTING
CG - CORNER GUARD		
EP - EPOXY FLOOR W/ 6" H INTEGRAL COVED WALL BASE		2 - SAND PATTERN IS NEW EP FLOORING EXTENT
EX - EXISTING		3 - PATCH WALL FINISHES TO MATCH EXISTING
GB - GYP BD CEILING		
PT - PAINT		
SV - SHEET VINYL W/ 6" H INTEGRAL COVED WALL BASE		
WP - WALL PROTECTION		

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR & WALL BASE	CEILING	WALL				REMARKS
				NORTH	EAST	SOUTH	WEST	
101	(E) DECON	EP	GB	PT, WP	PT	EX	PT, WP	1, 2, 3
102	INSTRUMENT STOR RM	SV	ACP	PT	PT	PT	PT	1, 3
103	(E) CORR	EX	EX	EX	EX	PT	EX	1, 3

INTERIOR ELEVATIONS GENERAL NOTES

1. PROVIDE CONTINUOUS BACKING FOR SURFACE MOUNTED EQUIPMENT AND ACCESSORIES.
2. MOUNT EQUIPMENT, FIXTURES, AND ACCESSORIES ACCORDING TO SHEET ACS01, UNLESS NOTED OTHERWISE.
3. PROVIDE WATER RESISTANT GYPSUM BOARD AT WET WALL CONDITIONS.
4. PROVIDE COUNTERTOP SUPPORTS AT OPEN KNEESPACE LOCATION. INSTALL AT 32" ON CENTER MAXIMUM.

WALL FINISH GENERAL NOTES

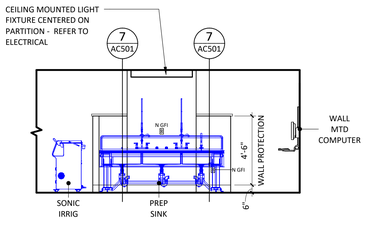
1. REVIEW GENERAL NOTES AND FINISH SPECIFICATIONS BEFORE COMMENCING WORK.
2. ALL FINISHES ARE TO CONFORM TO THE FLAME SPREAD RATINGS OF THE MOST CURRENTLY ADOPTED VERSION OF THE CODE.
3. FURNISH MATERIAL SUBMITTALS WITH SAMPLES FOR REVIEW AND APPROVAL BY THE DESIGNER PRIOR TO ORDERING MATERIAL.
4. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF ANY IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.
5. PRIOR TO APPLICATION OF PAINT, SURFACES TO BE PROPERLY PREPARED, TAPED AND TEXTURED, AS REQUIRED FOR SMOOTH SURFACE: TRANSITIONS BETWEEN MATERIALS ARE TO BE SMOOTH.
6. FINISH PRODUCTS SHALL BE FROM THE SAME DYE LOT WHERE APPLICABLE.
7. SOME PRODUCTS HAVE LONG LEAD TIMES. CONTRACTOR SHALL VERIFY LEAD TIMES AND ORDER PRODUCTS IN SUFFICIENT TIME TO PREVENT SUBSTITUTIONS OR DELAYS IN PROJECT SCHEDULE.
8. UNLESS NOTED OTHERWISE, TELEPHONE BACKBOARD, ACCESS PLATES, PANEL BOXES, ETC. TO MATCH ADJACENT PAINTED SURFACE IF APPLICABLE.
9. DIMENSIONS ARE TO FINISH FACE, UNLESS NOTED OTHERWISE.
10. BASE TO BE CONSISTENT FOR COLOR AND SEAMLESS APPEARANCE AT ANY WALL BASE INSTALLATION TO MATCH EXISTING CONDITIONS.
11. BASE TO BE CAULKED WITH CLEAR SILICON AT ANY STONE/TILE BASE INSTALLATION.
12. REFER TO INTERIOR ELEVATIONS FOR FINISH MATERIAL LOCATIONS.
13. REFER TO INTERIOR FINISH ELEVATIONS FOR TYPICAL MOUNTING HEIGHTS.

WALL PROTECTION GENERAL NOTES

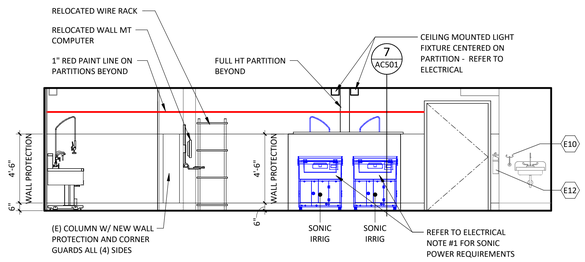
1. REVIEW GENERAL NOTES BEFORE COMMENCING WORK.
2. REVIEW FINISH LEGEND BEFORE COMMENCING WORK.
3. ALL FINISHES ARE TO CONFORM TO THE FLAME SPREAD RATINGS OF 2015 IBC.
4. CONTRACTOR TO FURNISH MATERIAL SUBMITTALS WITH SAMPLES FOR REVIEW AND APPROVAL BY THE ARCHITECT PRIOR TO ORDERING MATERIAL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF ANY IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.
6. THE CONTRACTOR SHALL FULLY COORDINATE ALL DEMOLITION, PATCH, REPAIR AND MANUFACTURE APPROVED PREPARATION OF ALL SURFACES TO RECEIVE NEW FINISHES.
7. CONTRACTOR TO PROVIDE AND INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS AND WHERE IDENTIFIED ON THE WALL PROTECTION PLANS.
8. PROVIDE WALL PROTECTION PER ELEVATION WITH MANUFACTURER'S MATCHING TRIM FOR TOP, BOTTOM, INSIDE AND OUTSIDE CORNERS.

FLOOR FINISH GENERAL NOTES

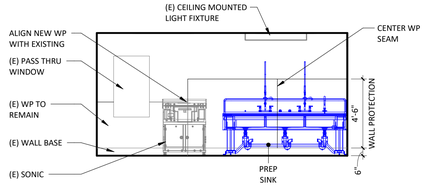
1. REVIEW GENERAL NOTES BEFORE COMMENCING WORK.
2. REVIEW FINISH SPECIFICATIONS BEFORE COMMENCING WORK.
3. ALL FINISHES ARE TO CONFORM TO THE FLAME SPREAD RATINGS OF THE MOST CURRENTLY ADOPTED VERSION OF THE CODE.
4. INTERIOR FLOORING SHALL MEET CLASS I AND CLASS II.
5. ENSURE THAT EXISTING CONCRETE FLOOR SLAB TO BE EVEN AND THAT SURFACE VARYING NO MORE THAN 1/4" IN 10'-0". FLOAT FLOOR AS NECESSARY. EACH SIDE OF THE DOOR SHALL BE LEVEL 5'-0" X 5'-0".
6. COORDINATE WITH FLOORING VENDOR TO ENSURE THAT EXISTING FLOOR HAS BEEN PREPARED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO FULL INSTALLATION. IF SUBSTRATE IS DAMAGED, QUALIFY BEST METHOD TO PREPARE FLOORING TO RECEIVE NEW FINISH. NOTICEABLE DEFECTS THROUGH NEW WORK SHALL RESULT IN REINSTALLATION OF FINISH TO SATISFACTION OF OWNER.
7. RECOMMENDED ADHESIVES TO BE NON-TOXIC. LOW ODOR AND SOLVENT-FREE WITH NO ALCOHOL, GLYCOL OR AMMONIA. PROVIDE ADHESIVES WITH NO HAZARDOUS VAPORS AND CONTAIN NO CARCINOGENIC MATERIALS.
8. PERFORM MOISTURE CONDITION AND PH (ALKALI) TESTS IN CONCRETE SLABS IN EACH AREA TO RECEIVE NEW FLOORING PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY THE MOISTURE CONTENT DOES NOT EXCEED THE LIMITATION SET BY EACH FLOORING MANUFACTURER. CONTACT THE FLOORING MANUFACTURER FOR SPECIFIC INFORMATION ABOUT TESTING INCLUDING TEST SIZE (MIN. SF FOR REQUIRED FOR TEST), TEST LENGTH TIME (HOURS), AND TYPES OF CONCRETE SLAB TESTS REQUIRED. TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT AND OWNER ALONG WITH THE TOLERANCES SPECIFIED IN THE MANUFACTURERS' INSTALLATION GUIDELINES.
9. FLOORING MATERIALS SHALL BE INSTALLED USING THE TOOLS, ADHESIVES, INSTALLATION AND SEAMING METHOD RECOMMENDED BY THE MANUFACTURER.
10. WHERE CERAMIC, GLASS AND/OR STONE TILE IS USED, INSTALLATION SHALL CONFORM TO THE TILE COUNCIL OF NORTH AMERICA (TCNA) MOST CURRENTLY ADOPTED GUIDELINES.
11. FURNISH MATERIAL SUBMITTALS WITH SAMPLES FOR REVIEW AND APPROVAL BY THE DESIGNER PRIOR TO ORDERING MATERIAL.
12. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF ANY IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.
13. FULLY COORDINATE ALL DEMOLITION, PATCH, REPAIR AND MANUFACTURER'S APPROVED PREPARATION OF ALL SURFACES TO RECEIVE NEW FINISHES.
14. FLOORING TRANSITIONS FROM ONE MATERIAL TO ANOTHER SHALL HAVE ACCESSIBILITY COMPLIANT TRANSITION OR REDUCER STRIPS UNLESS NOTED OTHERWISE AND ENSURE NO "TRIPPING HAZARDS" AT TRANSITIONS.
15. FLOORING MATERIAL TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR OR CASED OPENING UNLESS NOTED OTHERWISE.
16. REFER TO FLOORING TRANSITION DETAILS.
17. FLOORING MATERIAL TO RUN UNDER CASEWORK TO TOE KICK OR UNDER OPEN COUNTERS TO PARTITIONS, UNLESS NOTED OTHERWISE WHERE NEW FLOOR FINISH IS SCHEDULED TO BE INSTALLED AT ROOMS WITH SINK CABINETS, NEW FLOORING TO BE INSTALLED BELOW SINK CABINET.
18. SUBMIT SEAMING DIAGRAMS AND SAMPLES OF SPECIFIED FINISH MATERIALS TO DESIGNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. REFER TO INTERIOR FINISH SCHEDULE AND ARCHITECT'S PROJECT MANUAL.
19. RESILIENT SHEET FLOORING MATERIAL SHALL BE HEAT WELDED.
20. INSTALL ALL FINISHES PER PLAN. COORDINATE WITH INTERIOR FINISH SCHEDULE.



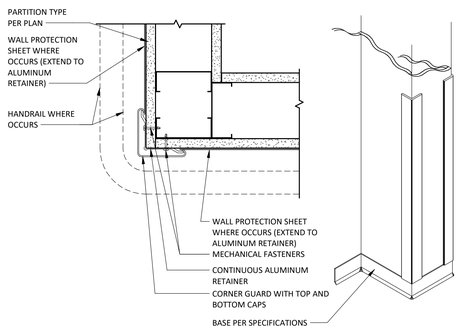
2 DECON SINK & SONIC
1/4" = 1'-0"



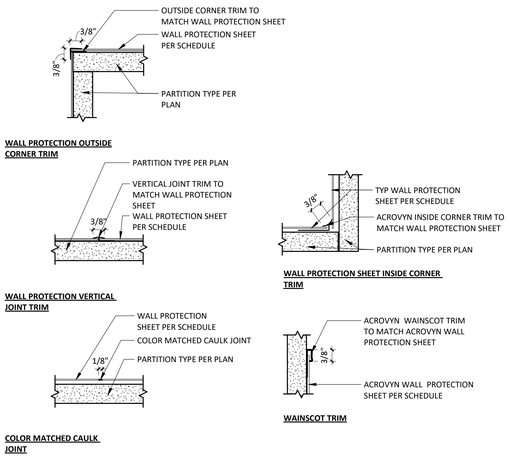
3 (E) DECON
1/4" = 1'-0"



4 DECON SINK
1/4" = 1'-0"



5 CORNER GUARD/WALL PROTECTION SHEET
3" = 1'-0"



6 WALL PROTECTION TRIM/CAULKING DETAILS
6" = 1'-0"

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Date Signed: September 21, 2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROL

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	As indicated
DRAWN:	
REVIEWED:	
JOB NUMBER:	0640.26.0001

FINISH PLAN, SCHEDULE, INTERIOR ELEVATIONS, DETAILS

AF001

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://HCA Healthone Aurora SPD Expansion/0640.26.0001_HCA_AURORA_SPD EXPANSION_rvt25.rvt

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PLUMBING GENERAL ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISH GRADE
AG	ABOVE GRADE
AG	AIR GAP
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
BG	BELOW GRADE
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CL or ℄	CENTERLINE
CLG	CEILING
CLR	CLEAR
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN.	CONNECTION
CONT	CONTINUOUS
CU FT OR CF	CUBIC FEET
CWFU	COLD WATER FIXTURE UNIT
D	DISPOSER OR DEPTH
dB	DECIBEL
DEG or °	DEGREE
DEPT	DEPARTMENT
DET	DETAIL
DFU	DRAINAGE FIXTURE UNIT
DIA or Ø	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DS	DOWNSPOUT
DT	DRAIN TILE
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EFF	EFFICIENCY
EL (ELEV)	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EVAP	EVAPORATOR
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING TO REMAIN
EXH	EXHAUST
EXIST. (E)	EXISTING
EXP	EXPANSION
F	FAHRENHEIT
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FIN.	FINISHED
FLR	FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET OR FOOT
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GND	GROUND
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GYP	GYPSUM
H	HEIGHT
HORIZ	HORIZONTAL
HP	HORSE POWER
HR	HOUR
HT	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HWFU	HOT WATER FIXTURE UNIT
HZ	FREQUENCY (HERTZ), CYCLES PER SECOND
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INV	INVERT
IN WG	INCHES WATER, GAUGE (PRESSURE)
INSUL	INSULATION
KW	KILOWATT
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAR FEET
LOC	LOCATION
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	THOUSAND BTUH
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR/MFGR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
NA or N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NFC	NOT FOR CONSTRUCTION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
OPNG	OPENING
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PERP	PERPENDICULAR
PLBG	PLUMBING
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH, GAUGE
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
R	RADIUS
REQD	REQUIRED
REV	REVERSE OR REVISION
RH	RELATIVE HUMIDITY
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SL	SLOPE
SPEC	SPECIFICATION
SQ	SQUARE
SQ.FT. or SF	SQUARE FEET
SS	STAINLESS STEEL
STD	STANDARD
T&B	TOP & BOTTOM OR TEST & BALANCE
TEMP	TEMPERATURE OR TEMPORARY
TYP.	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VENT OR VOLTS
VAR	VARIABLE OR VARIES
VEL	VELOCITY
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOL	VOLUME
W/	WITH
W/IN	WITHIN
W/O	WITH OUT
WG	WATER GAUGE
WI	WIDTH
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WS	WALL SPOUT
WSFU	WATER SUPPLY FIXTURE UNIT
WT	WEIGHT
WTR	WATER

PLUMBING FIXTURES - EQUIPMENT ABBREVIATIONS

AC	AIR COMPRESSOR
AD	AREA DRAIN OR ACCESS DOOR
AHU	AIR HANDLING UNIT
BFP	BACKFLOW PREVENTER
BP	BOOSTER PUMP
BT	BATHTUB
BT	BREAK TANK
BWV	BACKWATER VALVE
CB	CATCH BASIN
COMP	COMPRESSOR
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CSS	CLINICAL SERVICE SINK
DCV	DOUBLE CHECK VALVE
DD	DECK DRAIN
DF	DRINKING FOUNTAIN
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DW	DISHWASHER
DWBP	DOMESTIC WATER BOOSTER PUMP
EHC	ELECTRICAL HEATING CABLE
ELEV	ELEVATOR
EMSH	EMERGENCY SHOWER
ET	EXPANSION TANK
ETP	ELECTRICAL TRAP PRIMER
EW	EYEWASH
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FM	FLOW METER
FP	FIRE PUMP
FPV	FLOOD PROTECTION VALVE
FS	FLOOR SINK
FURN	FURNACE
GCO	GRADE CLEANOUT
GD	GARAGE DRAIN
GGB	GUY GRAY BOX
GH	GROUND HYDRANT
GI	GREASE INTERCEPTOR
GRU	GREASE RECOVERY UNIT
GS	GREASE SEPARATOR
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HUB DRAIN OR HEAD
HT	HYDROPNEUMATIC TANK
HUM	HUMIDIFIER
HWP	HOT WATER PUMP
HWRP	HOT WATER RETURN PUMP
HX	HEAT EXCHANGER
IM	ICE MAKER
KS	KITCHEN SINK
L (LAV)	LAVATORY OR LENGTH
LT	LAUNDRY TRAY
MAU or MUAU	MAKEUP AIR UNIT
MB	MUD/MOP BASIN
MR	MOP RECEPTOR
NFPH	NON-FREEZE POST HYDRANT
NFRH	NON-FREEZE ROOF HYDRANT
NFWH	NON-FREEZE WALL HYDRANT
ORD	OVERFLOW ROOF DRAIN
OSD	OPEN SITE DRAIN
PD	PLANTER DRAIN
PDD	POOL DECK DRAIN
PP	ELEVATOR PIT PUMP
PBV	PRESSURE BLENDING VALVE
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
REF	REFRIGERATOR
ROB	ROD OUT BASIN
RP	RECIRCULATING PUMP
RPBP/RPZ	REDUCED PRESSURE BACKFLOW PREVENTOR
RTU	ROOFTOP UNIT
SB	SETTLING BASIN
SE	SEWAGE EJECTOR
SEP	SEWAGE EJECTOR PUMP
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	SERVICE SINK
ST	STORAGE TANK
SWH	STEAM WATER HEATER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TOB	TRIPLE OIL BASIN
TP	TRAP PRIMER
UH	UNIT HEATER
UR	URINAL
VB	VACUUM BREAKER
VFC	VARIABLE FREQUENCY CONTROLLER
VR	VACUUM RELIEF VALVE
WB	WATER/WASHER BOX
WC	WATER CLOSET OR WATER COLUMN (INCHES OF)
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WH	WALL HYDRANT (HOSE BIBB) OR WATER HEATER
WHA	WATER HAMMER ARRESTER
WSS	WATER SOFTENER SYSTEM
WM	WASHING MACHINE

PIPING SYSTEMS ABBREVIATIONS

A	GENERAL SERVICE COMPRESSED AIR
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE
CD	CONDENSATE (COOLING)
CW or DCW	DOMESTIC COLD WATER
DI	DEIONIED WATER
FP	FIRE PROTECTION
FM	FORCED MAIN
G	GAS
GCC	GRAVITY COOLING CONDENSATE
GW	GREASE WASTE
GWA	GREASE WASTE ABOVE GRADE
GWB	GREASE WASTE BURIED
GW / V	COMBINATION GREASE WASTE AND VENT
HPG	HIGH PRESSURE GAS
HW or DHW	DOMESTIC HOT WATER
HWR or DHWR	DOMESTIC HOT WATER RETURN
IW	INDIRECT WASTE
LS	LAUNDRY STACK
LW	LABORATORY WASTE
NG	NATURAL GAS
NPCW	NON-POTABLE COLD WATER
NPHW	NON-POTABLE HOT WATER
OST	OVERFLOW STORM PIPE
ORWL	OVERFLOW RAIN WATER LEADER
OW	OIL WASTE
OV	OIL VENT
PCD	PUMPED CONDENSATE DRAIN (COOLING)
PD	PUMP DISCHARGE
PS	PLUMBING STACK
RO	REVERSE OSMOSIS WATER
RV	RADON VENT
RWL	RAIN WATER LEADER
S	SOIL
SAN	SANITARY
SCW	SOFT COLD WATER
SHW	SOFT HOT WATER
ST	STORM
TW	TEMPERED WATER
TWR	TEMPERED WATER RETURN
VAC	VACUUM
VS	VENT STACK
VTR	VENT THROUGH ROOF
W	WASTE
W / V	COMBINATION WASTE AND VENT

MEDICAL AND LABORATORY ABBREVIATIONS

AAP	AREA ALARM PANE
AM	MEDICAL AIR MANIFOLD
B	BLANK
BSC	LAB BIOSAFETY CABINET
CA	COMPRESSED AIR
CC	CEILING COLUMN
CO2	CARBON DIOXIDE
DI	DEIONIZED WATER
HPCA	HIGH PRESSURE COMPRESSED AIR
IA	INSTRUMENT AIR
IAC	INSTRUMENT AIR COMPRESSOR
LA	LABORATORY COMPRESSED AIR
LAC	LABORATORY AIR COMPRESSOR
LG	LABORATORY GAS
LGM	LABORATORY GAS MANIFOLD
LPA	LINE PRESSURE ALARM
LV/LVAC	LABORATORY VACUUM
LVP	LABORATORY VACUUM PUMP
MA	MEDICAL COMPRESSED AIR
MAC	MEDICAL AIR COMPRESSOR
MAGP	MASTER ALARM GAS PANEL
MAP	MASTER ALARM PANEL
MGA	MAIN GAS ALARM
MGM	MEDICAL GAS MANIFOLD
MV	MEDICAL VACUUM
MVE	MEDICAL VACUUM EXHAUST
MVP	MEDICAL VACUUM PUMP
N or N2	NITROGEN
N2M	NITROGEN MANIFOLD
N2O	NITROUS OXIDE
NCP	NITROGEN CONTROL PANEL
NOM	NITROUS OXIDE MANIFOLD
O or O2	MEDICAL OXYGEN
OAI	OUTSIDE AIR INTAKE
OM	OXYGEN MANIFOLD
RO	REVERSE OSMOSIS WATER
VAC	VACUUM
VS	VACUUM BOTTLE SLIDE
WAGD	WASTE ANESTHETIC GAS DISPOSAL
ZVB	ZONE VALVE BOX

MEDICAL AND LABORATORY GAS SYSTEMS ABBREVIATIONS

CO2	CARBON DIOXIDE PIPING
IA	INSTRUMENT AIR
LA	LABORATORY COMPRESSED AIR PIPING
LG	LABORATORY GAS PIPING
LV	LABORATORY VACUUM PIPING
MA	MEDICAL COMPRESSED AIR PIPING
MV	MEDICAL VACUUM PIPING
N	NITROGEN PIPING
N2O	NITROUS OXIDE PIPING
WAGD	WASTE ANESTHETIC GAS DISPOSAL PIPING

PLUMBING GENERAL NOTES

GENERAL

1. THE PROJECT DRAWINGS AND SPECIFICATIONS ARE BASED ON THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) DOCUMENTATION FORMAT. SPECIFICATION AND DRAWING CONTENTS ARE ARRANGED BY TOPIC AND CATEGORY.
2. THE INTENT OF THESE DOCUMENTS IS FOR THE MEP TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL, TECHNOLOGY, AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS (OPERATIONAL, TESTED, ADJUSTED, CALIBRATED, AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER).
3. THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE DOCUMENTS INCLUDED IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IN ORDER TO INDICATE THE SCOPE OF WORK, THE PLANS ARE ARRANGED FOR CLARITY IN TWO DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE ACTUAL LAYOUT OF SYSTEMS AND COORDINATION WITH OTHER SYSTEMS AND BUILDING ELEMENTS. COORDINATE LOCATIONS OF UTILITIES AND EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT AND UTILITY LAYOUTS REQUIRED FOR INSTALLATION ARE TO BE PERFORMED UNDER THE CONTRACT AGREEMENT AT NO ADDITIONAL COST. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH OTHER TRADES AND BUILDING ELEMENTS AND STRUCTURE.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT, FIXTURES, AND DEVICES IN FINISHED SPACES. COORDINATE EQUIPMENT, FIXTURE, AND DEVICE COLORS AND FINISHES WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.
6. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION. WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THE CONTRACT DOCUMENTS MUST BE FOLLOWED.
7. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, PROVIDE AN APPROPRIATE ACCESS DOOR RATED TO MATCH THE CEILING OR WALL RATING. COORDINATE THE LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
8. COORDINATE ALL UTILITIES ENTERING OR LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S) BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO INSTALLATION.
9. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS DISCOVERED BETWEEN DOCUMENTS. IF THE CONFLICT IS NOT RESOLVED PRIOR TO SUBMITTING A BID, CARRY THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
10. BEFORE INSTALLATION, COORDINATE REQUIRED SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES ASSOCIATED WITH OWNER-FURNISHED EQUIPMENT.
11. PROVIDE A CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR-MOUNTED EQUIPMENT.
12. ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR PROVIDING THE EQUIPMENT REQUIRING AN ENCLOSED CONTROLLER. REQUIREMENTS ARE SPECIFIED UNDER DIVISION 26: "ENCLOSED CONTROLLERS".
13. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
14. DO NOT INSTALL ANY SYSTEMS IN OR THROUGH ELEVATOR MACHINE ROOMS OR ELEVATOR SHAFTS THAT DO NOT SERVE THE ROOM OR SHAFT. MAINTAIN A MINIMUM OF SEVEN (7) FOOT HEAD CLEARANCE IN THE ELEVATOR MACHINE ROOM.
15. DO NOT INSTALL ANY SYSTEMS IN STAIRS NOT ASSOCIATED WITH OR SERVING THAT STAIR.
16. NO SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.
17. NO SYSTEMS OR COMPONENTS MAY REST ON OR MAKE CONTACT WITH PIPING AND EQUIPMENT REQUIRED BY CODE TO BE INDEPENDENTLY SUPPORTED, SUCH AS FIRE PROTECTION PIPING AND MEDICAL GAS PIPING.

PLUMBING

1. FOR DRAWING CLARITY, INDIVIDUAL BRANCH PIPING TO EACH PLUMBING FIXTURE IS NOT NECESSARILY SHOWN ON PLANS. EACH FIXTURE SHALL BE PROPERLY PIPED TO WATER, WASTE, AND VENT PIPING SYSTEMS. REFER TO THE PLUMBING SCHEDULES FOR INDIVIDUAL PIPE SIZES TO EACH FIXTURE.
2. INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS AND WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVES (FLUSH VALVES, SOLENOID VALVES, ETC.); SIZE SHALL BE BASED ON FIXTURE UNITS PER PDI STANDARDS.
3. INCLUDE NECESSARY PIPING OFFSETS AND TRANSITIONS AS REQUIRED TO INSTALL THE PLUMBING FIXTURES AND EQUIPMENT.
4. PIPING SHALL BE INSTALLED WITHIN INTERIOR WALLS UNLESS FIXTURE OR EQUIPMENT LOCATION NECESSITATES PIPING INSTALLATION IN EXTERIOR WALL. PIPING INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED COMPLETELY ON THE INTERIOR SIDE OF THE BUILDING ENVELOPE IN A LOCATION FREE OF INFILTRATION.
5. PROVIDE COOLING COIL CONDENSATE TRAPS AND DRAIN PIPING FOR ALL MECHANICAL EQUIPMENT REQUIRING SAME; PIPE CONDENSATE DRAINS TO INDIRECT WASTE FLOOR DRAIN OR OTHER APPROVED LOCATION.
6. COORDINATE EXACT LOCATION OF UNDERGROUND UTILITIES (WATER, GAS, SANITARY, ETC.) EXITING OR ENTERING THE BUILDING WITH THE SITE CONTRACTOR, GENERAL CONTRACTOR OR CONSTRUCTION MANAGER.

RENOVATION

1. THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY; BEFORE SUBMITTING A BID, CONTRACTORS SHALL ARRANGE A VISIT TO THE SITE THROUGH THE BUILDING OWNER AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH THE PROJECT IS TO BE COMPLETED.
2. CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT OF FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS.
3. IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. COMPLETELY REMOVE EQUIPMENT AND SYSTEMS NOT BEING REUSED, INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE ACTIVE POINT OF ORIGIN.
4. EQUIPMENT, PIPING, OR CONDUIT SHALL NOT BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
5. PROPERLY DISPOSE OF REMOVED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND ENVIRONMENTAL PROTECTION STANDARDS.
6. VERIFY THE EXACT LOCATION AND QUANTITY OF ALL SYSTEM COMPONENTS SCHEDULED FOR REMOVAL OR RELOCATION.
7. PROTECT ALL SYSTEMS SCHEDULED TO REMAIN DURING CONSTRUCTION.
8. RELOCATE EXISTING SYSTEM COMPONENTS SCHEDULED TO REMAIN IN ORDER TO ACCOMMODATE CONSTRUCTION OF NEW SYSTEMS AND FINISHES.
9. MAINTAIN THE CONTINUITY OF ALL EXISTING SYSTEMS SCHEDULED TO REMAIN ACTIVE DURING CONSTRUCTION INCLUDING ACTIVE SYSTEMS PARTIALLY REMOVED AS PART OF THIS PROJECT. COORDINATE ALL INTERRUPTIONS OF SERVICE WITH THE OWNER IN ADVANCE.
10. PROVIDE TEMPORARY SERVICES REQUIRED TO ACCOMMODATE PHASING IN ORDER TO MAINTAIN EXISTING SERVICES TO ACTIVE AREAS.
11. PRIOR TO CONSTRUCTION, MEASURE AND RECORD EXISTING AIRFLOW AND FAN DATA FOR OPERATING CONDITION PRIOR TO DEMOLITION FOR ALL EXISTING AIR SYSTEMS AND BRANCH DUCTS SCHEDULED TO REMAIN. PROVIDE REPORT TO ENGINEER PRIOR TO DEMOLITION.

CODE INFORMATION

PARTIAL LIST OF APPLICABLE AND REFERENCED CODES AND STANDARDS, AS AMENDED BY STATE CODES, REGULATIONS, AND LAWS (NOT ALL REFERENCED AND APPLICABLE CODES AND STANDARDS ARE LISTED)

BUILDING CODE	2021	INTERNATIONAL BUILDING CODE
PLUMBING CODE	2021	INTERNATIONAL PLUMBING CODE
MECHANICAL CODE	2021	INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE	2026	NFPA 70 - NATIONAL ELECTRIC CODE
ENERGY CODE	2021	INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE	2021	NFPA 1 - FIRE CODE
	2021	INTERNATIONAL FIRE CODE
FIRE PROTECTION	2019	NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS
	2019	NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
FIRE ALARM	2019	NFPA 72 - NATIONAL FIRE ALARM CODE
HEALTH CARE FACILITIES	2022	FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
	2021	ANSI/ASHRAE/ASHE STANDARD 170-2021; VENTILATION OF HEALTH CARE FACILITIES
	2021	NFPA 99 AND NFPA 99 - 2012; HEALTH CARE FACILITIES CODE, AS ENFORCED BY CMS
	2021	NFPA 101 AND NFPA 101 - 2012: LIFE SAFETY CODE, AS ENFORCED BY CMS
	2021	THE JOINT COMMISSION
STATE LAW	2021	GENERAL STATUTES
MUNICIPAL REQUIREMENTS	2021	LOCAL CODES AND ORDINANCES ADOPTED BY MUNICIPALITY

DRAWING INDEX

SHEET NUMBER	SHEET NAME
P001	PLUMBING ABBREVIATIONS, SYMBOLS AND CODES
P002	PLUMBING DETAILS, SCHEDULES, & DIAGRAMS
P100	LEVEL 1 UNDERGROUND PLUMBING PLAN
P101	LEVEL 1 PLUMBING PLAN

This work must also comply with **2021 IECC.**

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y.MUNOZ*
Date: *Sep 28, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

PLUMBING SYMBOLS

- FLOOR DRAIN/GARAGE DRAIN/AREA DRAIN
- ROOF DRAIN / OVERFLOW DRAIN
- FLOOR SINKS
- TRENCH DRAINS
- TP — TRAP PRIMER
- M — GAS METER ASSEMBLY
- WATER METER ASSEMBLY
- PUMP
- VALVE ON RISER
- VALVE ON DROP
- TEE (TOP)
- TEE (BOTTOM)
- 90 DEGREE ELL TURNED UP OR RISER UP AND DOWN
- 90 DEGREE ELL TURNED DOWN
- WASTE PIPE WITH TRAP
- GRADE / FLOOR CLEANOUT
- WALL CLEANOUT OR BLIND FLANGE
- SUSPENDED CLEANOUT
- PIPE CAP OR CAPPED END OF PIPE
- STRAINER
- STRAINER WITH BLOWDOWN
- FLEXIBLE CONNECTOR
- EXPANSION COMPENSATOR
- HAMMER ARRESTOR
- SHOWER HEAD LOCATION
- NON FREEZE WALL HYDRANT
- HOSE BIBB WALL HYDRANT
- UNION
- COMPANION FLANGE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER, FLAT ON BOTTOM
- ECCENTRIC REDUCER, FLAT ON TOP
- STEEL PENETRATION / PIPE SLEEVE / ALIGNMENT GUIDE
- ANCHOR
- STEEL PENETRATION / PIPE SLEEVE / ALIGNMENT GUIDE
- THERMOMETER WITH IMMERSIBLE WELL
- PRESSURE GAUGE WITH SHUTOFF COCK
- FLEXIBLE CONNECTOR
- A — AQUASTAT
- AIR VENT
- DIRECTION OF FLOW ARROW
- BALANCING VALVE
- INSTRUMENT WELL
- TEMPERATURE/PRESSURE PORT (PETE'S PLUG)
- PRESSURE GAUGE WITH SHUTOFF
- THERMOMETER
- DRAIN VALVE
- VACUUM BREAKER
- PRESSURE RELIEF VALVE
- M — MOTORIZED, 2-WAY VALVE
- M — MOTORIZED, 3-WAY VALVE
- M — MOTORIZED BUTTERFLY VALVE
- PNEUMATIC, 2-WAY VALVE
- S — SOLENOID, 2-WAY VALVE
- ISOLATION VALVE (REFER TO SPECS FOR TYPE)
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- OS&Y VALVE
- THERMOSTATIC MIXING VALUE
- PRESSURE REDUCING VALVE / REGULATOR
- BUTTERFLY VALVE
- VALVE ON RISER
- VALVE ON DROP
- BACKFLOW PREVENTER
- PIPE PITCH DIRECTION

GRAPHIC LINESTYLES

- THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS
- THIN, LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN IN PLACE AND BE REUSED
- THICK, SHORT DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
- THICK, SHORT DASHED LINES WITH DIAGONAL PATTERN INDICATE EXISTING ITEMS TO BE REMOVED
- UNDERGROUND/BELOW FLOOR PIPING (LONG DAHSED)
- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATING
- VENT

IDENTIFICATION SYMBOLS

- POINT OF NEW TO EXISTING CONNECTION
- POINT OF DISCONNECT FROM EXISTING ITEM TO BE DEMOLISHED
- X — KEYED NOTE TAG
- X / X — EQUIPMENT TAG / EQUIPMENT TAG NO.
- X / M-X — SECTION NUMBER / REFERENCED DRAWING
- X / X — EQUIPMENT RISER TAG / EQUIPMENT RISER TAG NO.

MEDICAL AND LABORATORY SYMBOLS

O	OXYGEN OUTLET
A	AIR OUTLET
V	VACUUM INLET
G	GAS OUTLET
S	SLIDE
W	WASTE ANESTHETIC GAS DISPOSAL INLET
NO	NITROUS OXIDE OUTLET
N2	NITROGEN OUTLET
IA	INSTRUMENT AIR OUTLET
EA	EQUIPMENT AIR OUTLET
CO2	CARBON DIOXIDE OUTLET
AAP	AREA ALARM PANEL
MAP	MASTER ALARM PANEL
ZVB	ZONE VALVE BOX
MGM	MEDICAL GAS MANIFOLD
NCP	NITROGEN CONTROL PANEL
LGM	LABORATORY GAS MANIFOLD
1 MA / 1 O2 / 1 MV / 1 VS	QUANTITY AND TYPE OF MEDICAL GAS OUTLETS REQUIRED
	CEILING OUTLET
	REMOTE TRANSDUCER

PLUMBING MATERIAL LIST

SERVICE DESCRIPTIOIN	MATERIAL
INCOMING WATER SERVICE (3-INCH AND SMALLER - DOMESTIC AND FIRE)	TYPE "K" SOFT TEMPERED SEAMLESS COPPER TUBING CONFORMING TO ASTM B 88, WITH NO JOINTS BELOW GRADE AND LEAD FREE SOLDER JOINTS ABOVE GRADE CONFORMING TO ASTM B16.24
REVERSE OSMOSIS / DE-IONIZED WATER (3-INCHES AND SMALLER - ALL SIZES)	SCHEDULE 80 POLYPROPYLENE RANDOM COPOLYMER (PP -R) PLASTIC PIPE AND FITTINGS CONFORMING TO ASTM D4101 AND ASTM D3309, WITH HEAT FUSION SOCKET JOINTS.
LABORATORY / CORROSIVE CHEMICAL WASTE (SUSPENDED, ALL SIZES)	SCHEDULE 40 CPVC (TYPE IV, GRADE 1) PLASTIC PIPE AND DRAINAGE FITTINGS, ASTM CELL CLASSIFICATION 23447, MANUFACTURED IN ACCORDANCE WITH ASTM F2618 (SIZES OVER 12" TO SCHEDULE 40 DIMENSIONS OF ASTM F441), NSF CERTIFIED FOR CORROSIVE WASTE END USE (NSF/ANSI 14, NSF-CW). FITTING PATTERNS CONFORMING TO ASTM D3311. JOINTS SOLVENT-CEMENT WELDED WITH ONE-STEP PRIMERLESS CPVC CEMENT CONFORMING TO ASTM F493. PIPE MARKED WITH YELLOW STRIPE FOR IDENTIFICATION AS CPVC CHEMICAL WASTE SYSTEM.
LABORATORY / CORROSIVE CHEMICAL WASTE VENT (ALL SIZES)	SCHEDULE 40 CPVC (TYPE IV, GRADE 1) PLASTIC PIPE, VENT FITTINGS (VENT ELLS AND VENT TEES), ASTM CELL CLASSIFICATION 23447, MANUFACTURED IN ACCORDANCE WITH ASTM F2618 (SIZES OVER 12" TO SCHEDULE 40 DIMENSIONS OF ASTM F441), NSF CERTIFIED FOR CORROSIVE WASTE END USE (NSF/ANSI 14, NSF-CW). FITTING PATTERNS CONFORMING TO ASTM D3311. JOINTS SOLVENT-CEMENT WELDED WITH ONE-STEP PRIMERLESS CPVC CEMENT CONFORMING TO ASTM F493. PIPE MARKED WITH YELLOW STRIPE FOR IDENTIFICATION AS CPVC CHEMICAL WASTE SYSTEM.
COMPRESSED INSTRUMENT AIR PIPING (ALL SIZES)	TYPE "K" HARD TAMPERED SEAMLESS COPPER TUBING CONFORMING TO ASTM B 819, WASHED AND SUITABLE FOR OXYGEN SERVICE WITH BOTH ENDS CAPPED IN CONFORMANCE WITH NFPA 99. JOINTS TO BE MADE WITH WROUGHT COPPER AND COPPER ALLOY BRAZE JOINT PRESSURE FITTINGS COMPLYING WITH ASME B16.50, CLEANED AND BAGGED IN CONFORMANCE WITH NFPA 00. ALL JOINTS TO BE BRAZED WITH SILVER BRAZING ALLOY CONFORMING TO NFPA 99.

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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COLORADO LICENSED JOHN M. HAUGE 0050622 PROFESSIONAL ENGINEER
9/21/2026

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.C. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	As indicated
DRAWN:	BK
REVIEWED:	BM
JOB NUMBER:	2661-00794-00

PLUMBING ABBREVIATIONS, SYMBOLS AND CODES

P001

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PLUMBING FIXTURE SCHEDULE

TAG	TYPE	LOCATION	ROUGH-IN CONNECTIONS					COMPONENT	BASIS OF DESIGN	DESCRIPTION	NOTES
			WASTE	VENT	TRAP	CW	HW				
SK-1	3-BASIN ADJUSTABLE HEIGHT REPROCESSING SINK	SPD	2"	1-1/2"	-	1/2"	1/2"	SINK	STERIS SINK 5097	97-1/2" X 28-1/16" 3-BASIN STAINLESS STEEL (304 SERIES) ADJUSTABLE HEIGHT REPROCESSING SINK. WORKING HEIGHT 33" TO 41". (2) HOT/COLD FAUCET LOCATIONS, (2) PURE WATER LOCATIONS, (1) WATER GUN, (1) AIR GUN. EACH BASIN INDIVIDUALLY TRAPPED.	1
								HOT/COLD FAUCETS (2)	BY MANUFACTURER, PROVIDED WITH UNIT	3/8" COMPRESSION CONNECTION EACH, 1.6 GPM @ MAX PSI. HW TEMPERATURE RANGE 40°F-180°F, CW MAX 70°F, PRESSURE RANGE 15-125 PSI.	2
								PURE WATER (PW) SUPPLY	BY OTHERS, COORD. W/ RO/DI SYSTEM	(2) LOCATIONS, 1/2" NPT CONNECTION EACH, 0.25 TO 2.00 GPM ±15%, 40°F TO 140°F, 20-125 PSI.	3
								COMPRESSED AIR SUPPLY	BY OTHERS, COORD. W/ MEDICAL/INSTRUMENT AIR SYSTEM	1/4" NPT CONNECTION, 30 PSI MAX, 2 SCFM AT 30 PSI (TIP 1). CONNECTION TO BE MADE PER LOCAL CODE.	4
								WATER GUN SUPPLY	TAPPED FROM CW LINE	3/8" COMPRESSION CONNECTION, 0-44 PSI, 40°F TO 125°F. FLOW RATE NOT PUBLISHED BY MANUFACTURER.	5
								BASIN DRAIN/TRAP (3)	STERIS (INCLUDED)	1-1/2" ABS P-TRAP PER BASIN, INDIVIDUALLY TRAPPED. 2" COPPER P-TRAP AVAILABLE AS ACCESSORY. ESTIMATED DRAIN RATE 20 GPM PER BASIN (MFR. ESTIMATE).	-
TMV-1	THERMOSTATIC MIXING VALVE	SPD (SK-1, 2 PER SINK)	-	-	-	1/2"	1/2"	-	SYMMONS MAXLINE MODEL NO. 8210CK	THERMOSTATIC MIXING VALVE, MAX 2.06 GPM@10PSI, MINIMUM THERMOSTATICALLY CONTROLLED FLOW RATE 0.25 GPM. SOLID BRASS BODY, INTEGRAL SPRING CHECKS, STAINLESS-STEEL DEBRIS STRAINER, 3/8" COMPRESSION PORTS. TEMPERATURE CONTROL RANGE OF 59F-115F DEGREES. VANDAL-RESISTANT CAP WITH LIMIT STOP. MOUNTING BRACKET INCLUDED. 10-YEAR COMMERCIAL WARRANTY. 1070/1017 AND A112.18.1 CERTIFIED. NOTE: FIELD SET TEMPERATURE AT 110°F MAXIMUM.	7
RPBP-1	REDUCE PRESSURE BACKFLOW PREVENTER	SPD (SK-1, 2 PER SINK)	-	-	-	3/4"	-	BACKFLOW PREVENTER	WATTS REGULATOR CO. MODEL LF009M3-QT-S-FS	BRONZE BODY REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. THE ASSEMBLY SHALL CONSIST OF A PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK VALVES. ASSEMBLY IS FURNISHED WITH QUARTER TURN, FULL PORT, RESILIENT SEATED TEST COCKS, AIR GAP DRAIN FITTING AND BRONZE STRAINER. BODY AND SHUTOFFS SHALL BE CONSTRUCTED USING LEAD-FREE CAST COPPER SILICON ALLOY MATERIALS.	-

PLUMBING FIXTURE SCHEDULE NOTES:

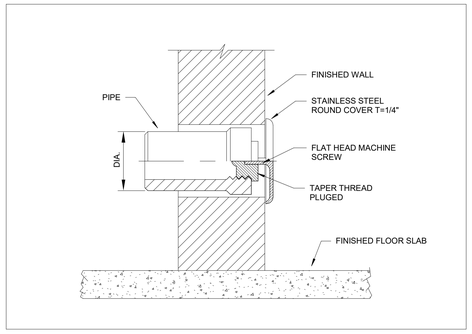
1. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR ALL MOUNTING HEIGHTS.
2. PROVIDE (2) TMV-1 UNITS PER SK-1 SINK, ONE DEDICATED TO EACH FAUCET LOCATION.
3. PURE WATER (PW) SUPPLY SHALL BE PROVIDED FROM THE FACILITY'S EXISTING RO/DI DISTRIBUTION SYSTEM SERVING SPD.
4. COMPRESSED AIR SUPPLY SHALL BE PROVIDED FROM THE FACILITY'S EXISTING MEDICAL/INSTRUMENT AIR SYSTEM.
5. WATER GUN FLOW RATE IS NOT PUBLISHED BY STERIS.
6. CONTRACTOR SHALL FIELD VERIFY THAT MANUFACTURER'S MOUNTING BRACKET LOCATIONS ARE COMPATIBLE WITH ROUGH-IN DIMENSIONS PER STERIS SINK 5097 CUT SHEET

DRAIN AND CLEANOUT SCHEDULE

TAG	TYPE	LOCATION / SERVICE	GRATE DIMENSION	OUTLET DIAMETER	BASIS OF DESIGN	DESCRIPTION	NOTES
FCO	FLOOR CLEANOUT	DRAIN SYSTEMS	N/A	4" OR 6"	ZURN MODEL NO. Z1400-K-ZS	ADJUSTABLE FLOOR CLEANOUT WITH ANCHORING FLANGE AND STAINLESS-STEEL TOP.	1
WCO	WALL CLEANOUT	DRAIN SYSTEM	N/A	SEE PLANS & DIAGRAMS	ZURN MODEL NO. Z1446	DURA-COATED CAST IRON BODY ADJUSTABLE WALL CLEANOUT TEE. INCLUDES WATER TIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	1
FS-1	FLOOR SINK	SPD ADJUSTABLE HEIGHT SINK	12" X 12"	4"	ZURN MODEL NO. Z17750-4NH-SDC	12" x 12" x 6" DEEP, 14-GAUGE TYPE 304 STAINLESS STEEL SANI-FLOR FLOOR SINK. INCLUDES NON-TILT, LOOSE-SET FULL GRATE WITH 1/2" SQUARE OPENINGS, ANTI-SPLASH STAINLESS STEEL INTERIOR DOME STRAINER, AND 4" NO-HUB OUTLET CONNECTION.	1, 2, 3

DRAIN AND CLEANOUT SCHEDULE NOTES:

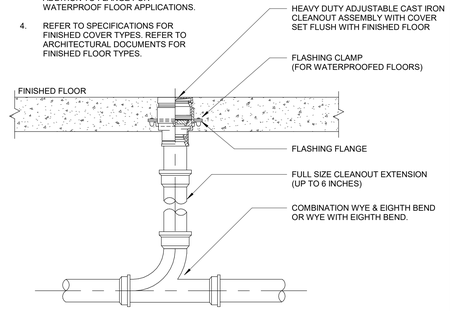
1. REFER TO FLOOR PLANS FOR SIZE.
2. ALL FLOOR DRAINS SHALL INCLUDE AN ANCHORING FLANGE.
3. JR SMITH 'QUAD-CLOSE' TRAP SEAL DEVICE (OR EQUIVALENT), ASSE 1072 LISTED, SIZED PER DRAIN OUTLET DIAMETER.



1 WALL CLEANOUT
NOT TO SCALE

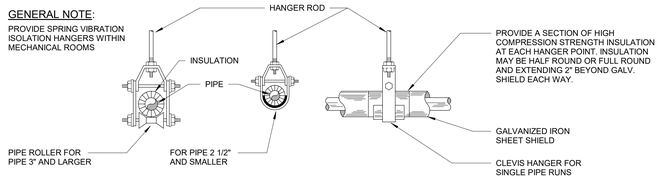
GENERAL NOTES:

1. CLEANOUTS SHALL BE FULL SIZE OF DRAINAGE PIPING UP TO 6 INCHES.
2. PROVIDE CLEANOUT WITH CAST IRON SPIGOT FERRULE WITH CAST BRONZE TAPERED THREAD CLOSURE PLUG SEALED WITH NON-HARDENING PIPE JOINT COMPOUND.
3. PROVIDE WITH FLASHING CLAMP IN ADDITION TO FLANGE FOR WATERPROOF FLOOR APPLICATIONS.
4. REFER TO SPECIFICATIONS FOR FINISHED COVER TYPES. REFER TO ARCHITECTURAL DOCUMENTS FOR FINISHED FLOOR TYPES.



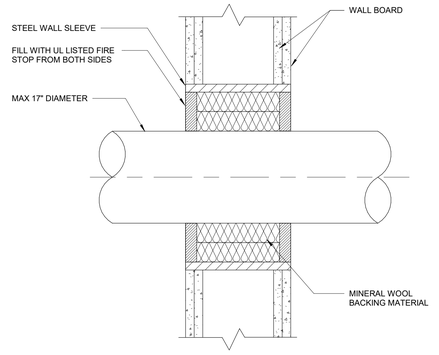
2 DIAGRAM OF FLOOR CLEANOUT
NOT TO SCALE

GENERAL NOTE:
PROVIDE SPRING VIBRATION ISOLATION HANGERS WITHIN MECHANICAL ROOMS



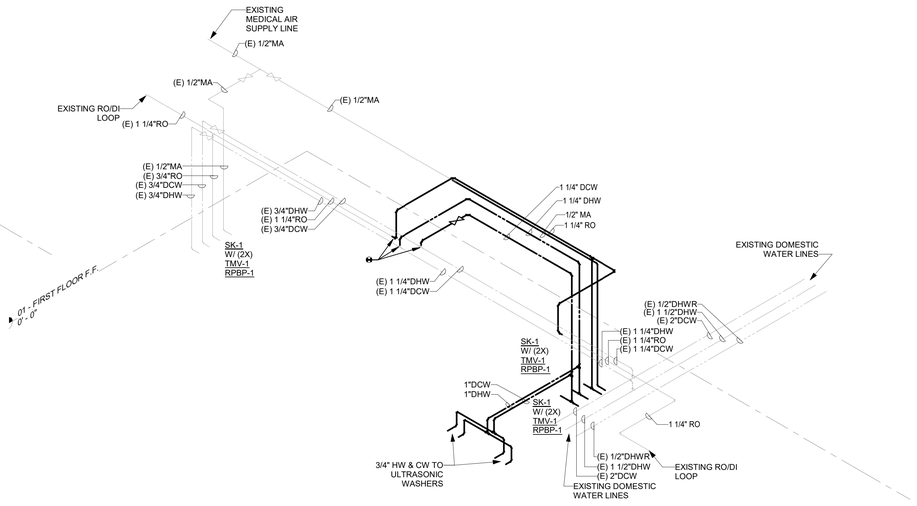
3 PIPE SUPPORT AND HANGERS DETAIL
NOT TO SCALE

GENERAL NOTE:
SEE PLANS FOR PIPE SIZE AND LOCATION



4 INTERIOR WALL SLEEVE DETAIL
NOT TO SCALE

6 SANITARY DIAGRAM



5 DOMESTIC WATER DIAGRAM

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y.MUNOZ*
Date: *Sep 28, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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9/21/2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	12" = 1'-0"
DRAWN:	BK
REVIEWED:	BM
JOB NUMBER:	2661-00794-00

PLUMBING DETAILS, SCHEDULES, & DIAGRAMS

P002

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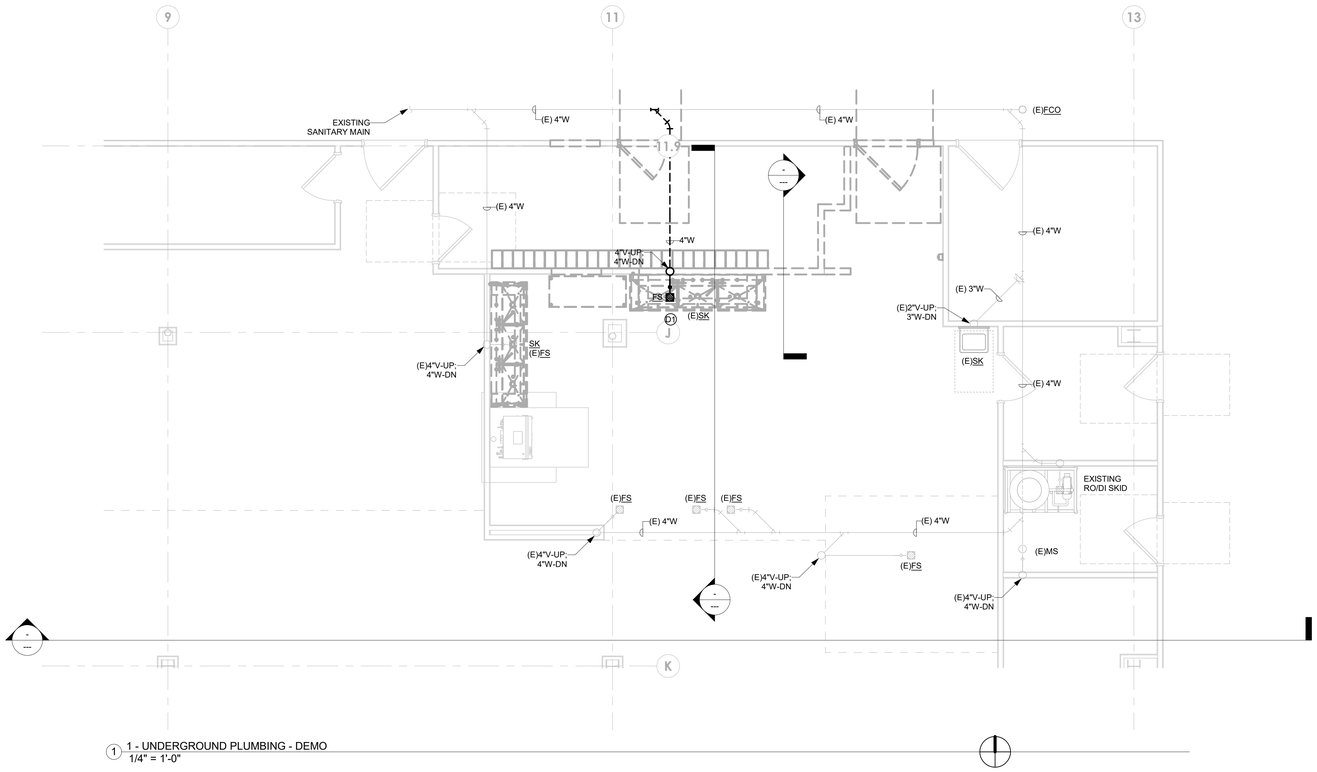
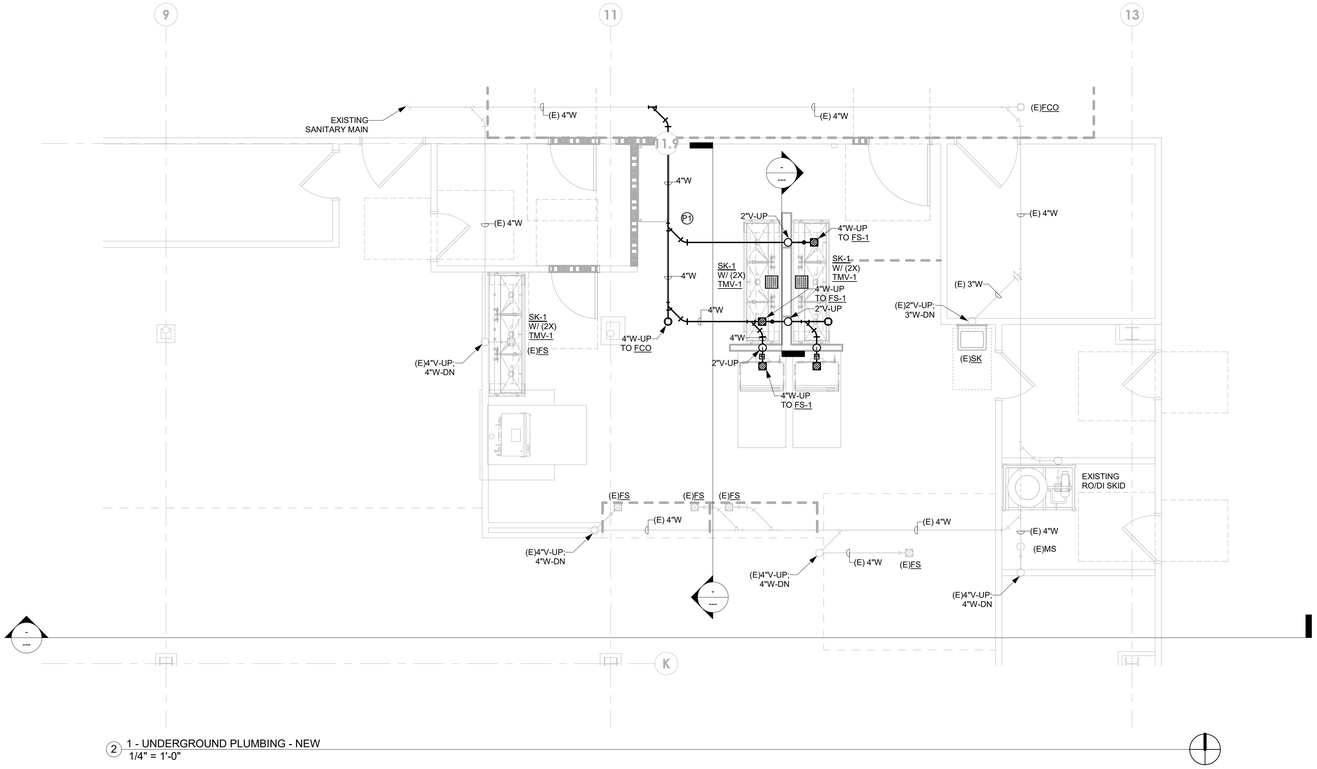


1 - UNDERGROUND PLUMBING - DEMO
1/4" = 1'-0"



2 1 - UNDERGROUND PLUMBING - NEW
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

1. ALL PLUMBING IS TO BE VERIFIED IN FIELD, CONTRACTOR TO SCOPE OUT AND FIELD VERIFY EXISTING SYSTEM CONDITIONS.
2. ALL PLUMBING SYSTEMS SHOWN ON PLAN ARE LOCATED WITHIN THE UNEXCAVATED FLOOR AND ASSOCIATED SPACES.

[#] PLUMBING DEMOLITION DRAWING NOTES:

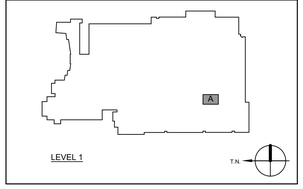
D1 DEMOLISH EXISTING 3-COMPARTMENT SINK AND ASSOCIATED WASTE AND VENT PIPING BACK AS INDICATED. PREP EXISTING UNDERGROUND CONNECTION FOR NEW TIE-IN PER NEW WORK PLAN.

(#) PLUMBING DRAWING NOTES:

P1 NEW UNDERGROUND WASTE AND VENT PIPING TO SERVE THE NEW BACK-TO-BACK 3-BASIN REPROCESSING SINK ARRANGEMENT. EACH BASIN SHALL BE INDIVIDUALLY TRAPPED AND ROUTED TO NEW FLOOR SINK/DRAIN. TIE NEW UNDERGROUND PIPING INTO EXISTING SANITARY MAIN AT INDICATED LOCATION.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y.MUNOZ*
Date: *Sep 28, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

KEY PLAN



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9/21/2026

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	1/4" = 1'-0"
DRAWN:	BK
REVIEWED:	BM
JOB NUMBER:	2661-00794-00

LEVEL 1 UNDERGROUND PLUMBING PLAN

P100

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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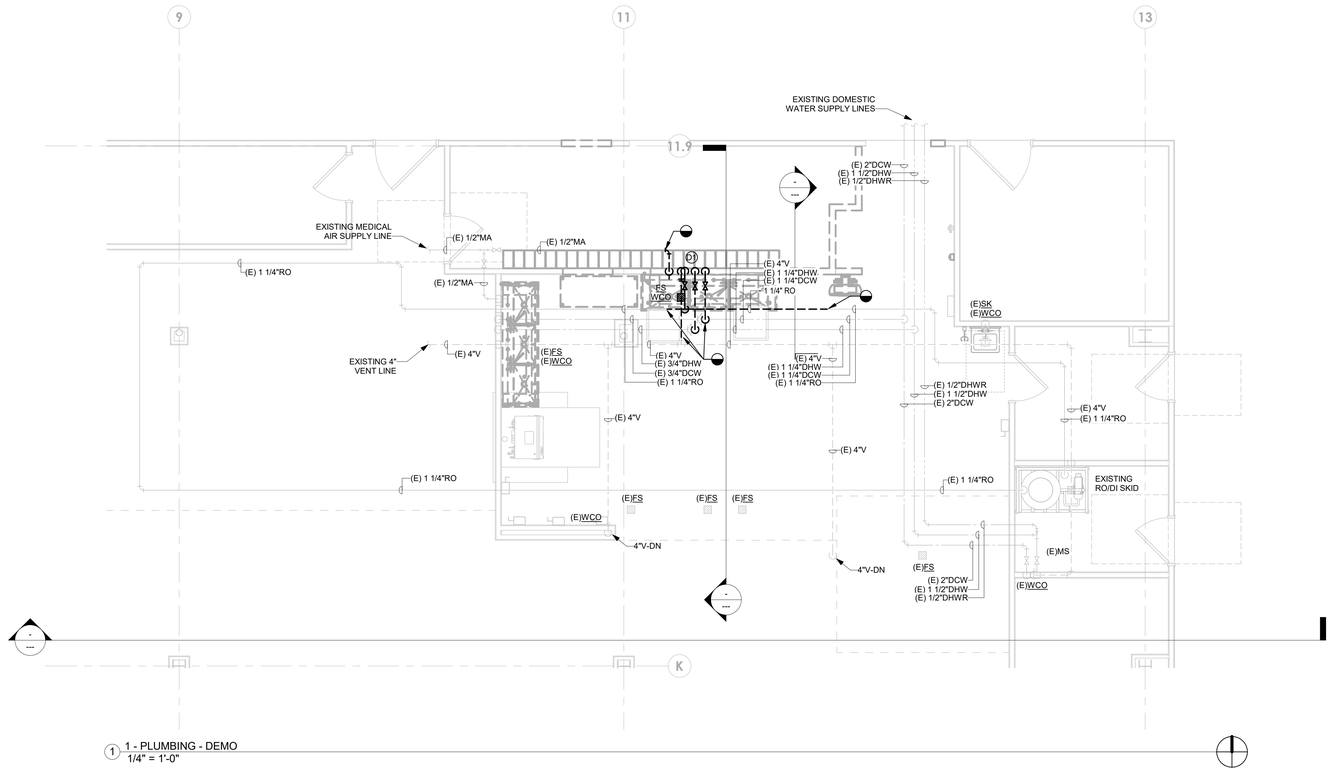

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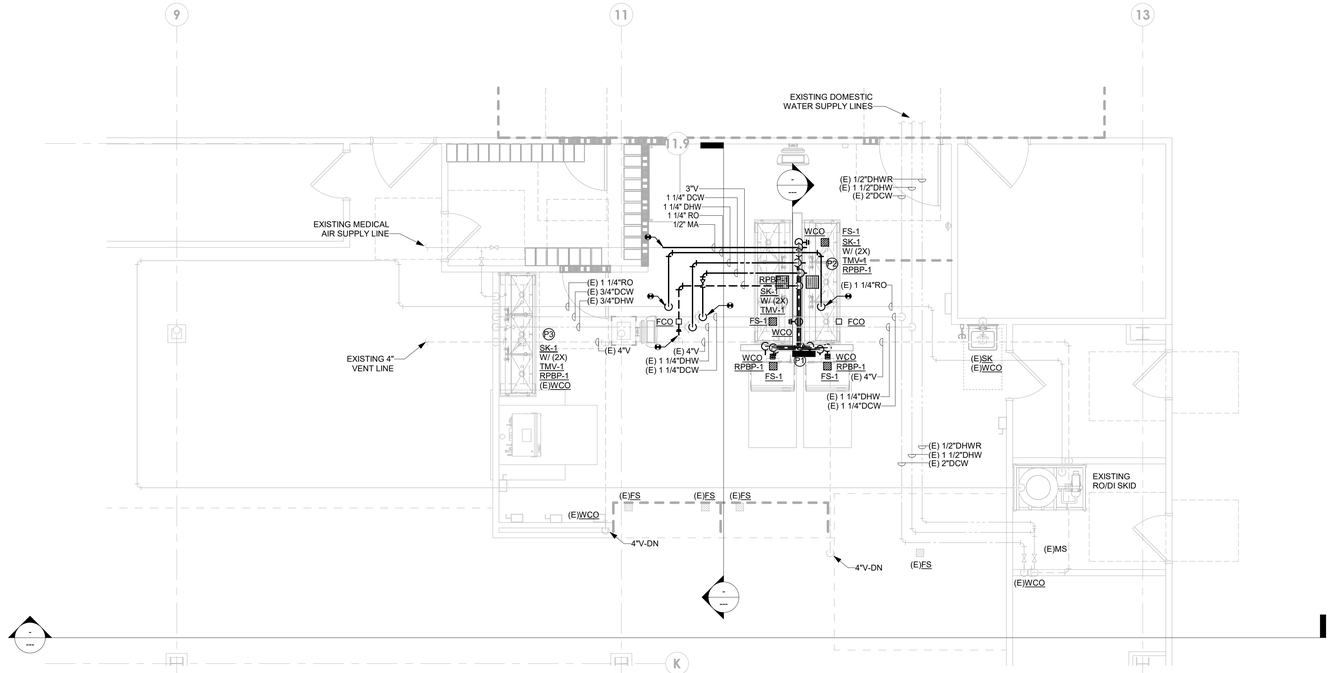

2 - PLUMBING - NEW
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

1. ALL PLUMBING IS TO BE VERIFIED IN FIELD, CONTRACTOR TO SCOPE OUT AND FIELD VERIFY EXISTING SYSTEM CONDITIONS.
2. ALL PLUMBING SYSTEMS SHOWN ON PLAN ARE LOCATED WITHIN THE CEILING SPACE OR ASSOCIATED WALLS SERVING FIXTURES WITHIN THE PROXIMITY.

[#] PLUMBING DEMOLITION DRAWING NOTES:

D1 DEMOLISH AND REMOVE EXISTING SINK (E)SK. REMOVE EXISTING DOMESTIC COLD WATER, DOMESTIC HOT WATER, MEDICAL AIR, AND RO/DI (PURE WATER) PIPING BACK AS INDICATED. PREP AND EXTEND EXISTING CW, HW, MEDICAL AIR, AND RO/DI MAINS AS INDICATED TO PROVIDE NEW ROUGH-IN CONNECTIONS FOR THE NEW BACK-TO-BACK 3-COMPARTMENT BASIN REPROCESSING SINK ARRANGEMENT AS SHOWN.

(#) PLUMBING DRAWING NOTES:

P1 PROVIDE HOT AND COLD WATER (3/4" NPT, DEDICATED PER UNIT) AND INDIRECT DRAIN CONNECTION VIA AIR GAP TO OPEN FLOOR SINK (DEDICATED PER UNIT) FOR (2) STERIS INNOWAVE UNITY 20 GALLON WASHERS PER MANUFACTURER'S EQUIPMENT DRAWING. UNITS SHALL NOT SHARE A COMMON DRAIN CONNECTION.

P2 EXTEND NEW DOMESTIC COLD WATER, DOMESTIC HOT WATER, MEDICAL AIR, AND RO/DI (PURE WATER) PIPING AS INDICATED TO SERVE THE NEW BACK-TO-BACK 3-COMPARTMENT BASIN REPROCESSING SINK ARRANGEMENT, INCLUDING (2) TMV-1 THERMOSTATIC MIXING VALVES PER SINK. PER MANUFACTURER'S ROUGH-IN REQUIREMENTS AND FIXTURE SCHEDULE. PROVIDE NEW WASTE AND VENT PIPING FOR EACH BASIN, INDIVIDUALLY TRAPPED AND ROUTED TO NEW FLOOR SINK/DRAIN.

P3 PROVIDE NEW 3-COMPARTMENT SINK IN PLACE OF EXISTING, PER FIXTURE SCHEDULE. RECONNECT TO EXISTING DOMESTIC COLD WATER, DOMESTIC HOT WATER, WASTE/VENT, AND RO/DI (PURE WATER) AT EXISTING ROUGH-IN LOCATIONS; VERIFY EXISTING CONNECTION SIZES AND LOCATIONS ARE COMPATIBLE WITH NEW FIXTURE REQUIREMENTS PER SCHEDULE PRIOR TO INSTALLATION. MODIFY EXISTING ROUGH-IN AS REQUIRED TO ACCOMMODATE NEW FIXTURE. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.

City of Aurora Building Division
Reviewed for Code Compliance
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Date: *Sep 28, 2026*
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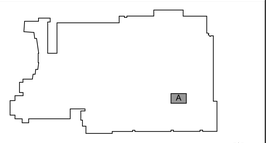

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LEVEL 1 PLUMBING PLAN

P101

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MECHANICAL ABBREVIATIONS

AC	AIR CONDITIONING UNIT OR AIR COMPRESSOR
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFG	ABOVE FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
ASHP	AIR SOURCE HEAT PUMP
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
AMP	AMPERE
AMS	AIR FLOW MEASURING STATION
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AVG	AVERAGE
AWT	AVERAGE WATER TEMPERATURE
BAS	BUILDING AUTOMATION SYSTEM
BD	BALANCING DAMPER
BDD	BACK-DRAFT DAMPER
BI	BLACK IRON (KITCHEN GREASE DUCTWORK)
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGMENT SYSTEM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BSMT	BASEMENT
CC	COOLING COIL
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CO	CLEAN OUT OR CARBON MONOXIDE
COP	COEFFICIENT OF PERFORMANCE
CONT	CONTINUOUS, CONTINUATION
CU	CONDENSING/ER UNIT
CU FT	CUBIC FEET
CLG	CEILING
CV	COEFFICIENT, FLOW VALVE
CV	CONSTANT VOLUME
CW	COLD WATER
DAT	DISCHARGE AIR TEMPERATURE
DB	DRY BULB TEMPERATURE
DBA	DECIBEL LEVEL
DCW	DOMESTIC COLD WATER
DDC	DIRECT DIGITAL CONTROL
DE	DRYER EXHAUST
DEG.F	DEGREE FAHRENHEIT
DG	DOOR GRILLE
DIA	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWG	DRAWING
DX	DIRECT EXPANSION
E	EXHAUST
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECM	ELECTRONICALLY COMMUTATED MOTOR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
EG	ETHYLENE GLYCOL SOLUTION (% BY VOLUME)
EL/ELEV	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EWT	ENTERING WET BULB TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
°F	DEGREE FAHRENHEIT
FA	FREE AREA
FL	FULL LOAD
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FM	FM GLOBAL
FP	FIRE PROTECTION
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FOOD SERVICE
FSC	FOOD SERVICE CONTRACTOR
FT	FEET OR FLASH TANK
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GD	GRAVITY DAMPER
GE	GENERAL EXHAUST
GEN	GENERAL
GER	GENERAL EXHAUST RISER
GND	GROUND
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSHP	GROUND SOURCE HEAT PUMP
GR	GRAINS
GRD	GRILLES, REGISTERS, DIFFUSERS
HC	HEATING COIL
HORIZ	HORIZONTAL
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HX	HEAT EXCHANGER
HZ	HERTZ

ID	INSIDE DIAMETER
IEER	INTEGRATED ENERGY EFFICIENCY RATIO
IPLV	INTEGRATED PART-LOAD VALUE
IN OR "	INCH
IN W.C.	INCHES IN WATER COLUMN
IN W.G.	INCHES IN WATER GAUGE
KE	KITCHEN EXHAUST
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LL	LOW LIMIT OR LANDLORD
LRA	LOCKED ROTOR AMPERES
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECAHNICAL CONTRACTOR
MD	MOTORIZED DAMPER
MIN	MINIMUM OR MINUTE(S)
NA	NOT APPLICABLE
NC	NORMALLY CLOSED OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NK	NECK
NO	NORMALLY OPEN
NO OR #	NUMBER
NR	NOT REQUIRED
NTS	NOT TO SCALE
NV	NATURAL VENTILATION
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
P	PUMP
PBLG	PLUMBING
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PG	PROPYLENE GLYCOL SOLUTION (% BY VOLUME)
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
Q	QUANTITY
R	RETURN
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
REQ'D	REQUIRED
RGD	REGISTERS, GRILLES, DIFFUSERS
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RO	RELIEF OPENING
RPM	REVOLUTIONS PER MINUTE
S	SUPPLY
SA	SUPPLY AIR
SAD	SOUND ATTENUATOR DEVICE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN OR SQUARE FEET
SL	SENSIBLE LOAD
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ.FT.	SQUARE FEET
SS	STAINLESS STEEL OR START/STOP
STD	STANDARD
STR	STRUCTURE/STRUCTURAL
TD	TEMPERATURE DIFFERENCE OR TRANSFER DUCT
TE	TOILET EXHAUST
TEMP	TEMPERATURE
TEMP	TEMPORARY
TO	TRANSFER OPENING
TOD	TOP OF DUCT
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDER-CUT (DOOR)
UON	UNLESS OTHERWISE NOTED
V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VERT	VERTICAL
VFC/VFD	VARIABLE FREQUENCY CONTROLLER (DRIVE)
VIF	VERIFY IN FIELD
VOL	VOLUME
W	WATT
W/	WITH
WB	WET BULB
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WMS	WIRE MESH SCREEN
WSHP	WATER SOURCE HEAT PUMP
WT	WEIGHT
WWM	WELDED WIRE MESH

EQUIPMENT ABBREVIATIONS

AAP	AREA ALARM PANEL
AC	AIR COMPRESSOR
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROL SYSTEM
ACP	AUTOMATIC CONDENSATE PUMP
ACU	AIR CONDITIONING UNIT
AHU	AIR HANDLING UNIT
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
B	BOILER
BFWP	BOILER FEEDWATER PUMP
BLR	BOILER
CFP	CHEMICAL FEED PUMP
CHP	CONSOLE HEAT PUMP
COMP	COMPRESSOR
COND	CONDENSER
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CPU	CENTRAL PROCESSING UNIT
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CRU	COMPUTER ROOM UNIT
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DSA	DUCT SOUND ATTENUATOR
DWBP	DOMESTIC WATER BOOSTER PUMP
DWET	DOMESTIC WATER EXPANSION TANK
E	EXHAUST
(E)	EXISTING
EBR	ELECTRIC BASEBOARD RADIATION
EF	EXHAUST FAN
EHC	ELECTRICAL HEATING CABLE
ET	EXPANSION TANK
ETP	ELECTRIC TRAP PRIMER
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FP	FIRE PUMP
FPP	FREEZE PROTECTION PUMP
FS	FLOW SWITCH
FSCP	FIREFIGHTER'S SMOKE CONTROL PANEL
FSD	COMBINATION FIRE/SMOKE DAMPER
GLHE	GROUND LOOP HEAT EXCHANGER
GLHX	GROUND LOOP HEAT EXCHANGER
GRU	GREASE RECOVERY UNIT
GWH	GAS WATER HEATER
HTR	HEATER
HUM	HUMIDIFIER
HV	HEATING AND VENTILATING UNIT
HWP	HOT WATER PUMP
HWRP	HOT WATER RETURN PUMP
HX	HEAT EXCHANGER
IAC	INSTRUMENT AIR COMPRESSOR
IEF	INLINE EXHAUST FAN
JP	JOCKEY PUMP
KEF	KITCHEN EXHAUST FAN
KWH	KITCHEN WATER HEATER
LAC	LABORATORY AIR COMPRESSOR
LVP	LABORATORY VACUUM PUMP
MAC	MEDICAL AIR COMPRESSOR
MAGP	MASTER ALARM GAS PANEL
MAU or MUAU	MAKEUP AIR UNIT
MCC	MOTOR CONTROL CENTER
MVP	MEDICAL VACUUM PUMP
RF or RAF	RETURN AIR FAN
RF	RELIEF FAN
RTU	ROOFTOP UNIT
SAC	SHOP AIR COMPRESSOR
SCC	SPRINKLER CONTROL CABINET
SCP	STEAM CONDENSATE PUMP
SD	SMOKE DAMPER
SEP	SEWAGE EJECTOR PUMP
SG	STEAM GENERATOR
SP	SUMP PUMP
SWBD	SWITCHBOARD
SWH	STEAM WATER HEATER
TX	TRANSFORMER
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SUPPLY
VFC/VFD	VARIABLE FREQUENCY CONTROLLER (DRIVE)
WEF	WALL EXHAUST FAN

PIPING SYSTEMS ABBREVIATIONS

ATL	AMBIENT TEMPERATURE LOOP
BFW	BOILER FEEDWATER
COND	STEAM CONDENSATE
CLPS	CLEAN LOW PRESSURE STEAM
CMPS	CLEAN MEDUIM PRESSURE STEAM
CHPS	CLEAN HIGH PRESSURE STEAM
CD	COOLING COIL CONDENSATE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CTWS	COOLING TOWER WATER SUPPLY
CTWR	COOLING TOWER WATER RETURN
DTS	DUAL TEMP SUPPLY
DTR	DUAL TEMP RETURN
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
GCHW	GLYCOL CHILLED WATER
GCHWR	GLYCOL CHILLED WATER RETURN
GCHWS	GLYCOL CHILLED WATER SUPPLY
GHW	GLYCOL HOT WATER
GHWR	GLYCOL HOT WATER RETURN
GHWS	GLYCOL HOT WATER SUPPLY
GLW	GROUND LOOP WATER
GLWR	GROUND LOOP WATER RETURN
GLWS	GROUND LOOP WATER SUPPY
GSR	GEOTHERMAL SOURCE RETURN
GSS	GEOTHERMAL SOURCE SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HCS	HEATING/COOLING (DUAL TEMP) SUPPLY
HCR	HEATING/COOLING (DUAL TEMP) RETURN
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
HWRR	HOT WATER REVERSE RETURN HEATING
HTHW	HIGH TEMPERATURE HOT WATER
HTHWR	HIGH TEMPERATURE HOT WATER RETURN
HTHWS	HIGH TEMPERATURE HOT WATER SUPPLY
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE STEAM CONDENSATE
LTHWS	LOW TEMPERATURE HOT WATER SUPPLY
LTHWR	LOW TEMPERATURE HOT WATER RETURN
LTCWS	LOW TEMPERATURE CHILLED WATER SUPPLY
LTCWR	LOW TEMPERATURE CHILLED WATER RETURN
MPS	MEDIUM PRESSURE STEAM
MPC	MEDIUM PRESSURE STEAM CONDENSATE
NPW	NON-POTABLE WATER
PCD	PUMPED COOLING COIL CONDENSATE DRAIN
PCR	PUMPED STEAM CONDENSATE RETURN
REF	REFRIGERANT PIPING (MULTIPLE PIPES)
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTION PIPING
SWR	SOURCE WATER RETURN
SWS	SOURCE WATER SUPPLY
WWR	WELL WATER RETURN
WWS	WELL WATER SUPPLY

GRAPHIC LINESTYLES

- THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS
- THIN, LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN IN PLACE AND BE REUSED
- THICK, SHORT DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
- THICK, SHORT DASHED LINES WITH DIAGONAL PATTERN INDICATE EXISTING ITEMS TO BE REMOVED

IDENTIFICATION SYMBOLS

- NEW DRAWING NOTE IDENTIFIER
- DEMOLITION DRAWING NOTE IDENTIFIER
- POINT OF NEW TO EXISTING CONNECTION
- POINT OF DISCONNECT FROM EXISTING ITEM TO BE DEMOLISHED
- X — KEYED NOTE TAG
- X / X — EQUIPMENT TAG / EQUIPMENT TAG NO.
- X / M-X — SECTION NUMBER / REFERENCED DRAWING
- X / X — EQUIPMENT RISER TAG / EQUIPMENT RISER TAG NO.

AIR DEVICES DATA TAG

GRD MARK — A (TYP. 2) — QUANTITY
NECK SIZE — 8"Ø 350-S — S=SUPPLY, R=RETURN, T=TRANSFER, E=EXHAUST
AIRFLOW (CFM)

SENSOR SYMBOLS

- T — SPACE TEMPERATURE SENSOR OR THERMOSTAT
- TC — COMBINATION TEMPERATURE HUMIDITY, AND CO2 SENSOR
- H — HUMIDISTAT OR HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- DS — DUCT SMOKE DETECTOR WITH REMOTE INDICATING LIGHT AND TEST SWITCH
- SP — DUCT STATIC PRESSURE SENSOR
- DP — DIFFERENTIAL PRESSURE SENSOR

DUCTWORK SYMBOLS

- SUPPLY AIR DUCT
- RETURN AIR DUCT
- EXHAUST AIR DUCT
- 24X12 — RECTANGULAR DUCT SIZE
- 24Ø — ROUND DUCT SIZE
- 24/12 — FLAT OVAL DUCT SIZE
- ELBOW TURNED DOWN
- ELBOW TURNED UP
- DUCT TRANSITION
- ACOUSTICAL LINING (DUCT DIMENSION FOR NET FREE AREA)
- CEILING SUPPLY DIFFUSERS
- CEILING RETURN / EXHAUST GRILLE
- FLEXIBLE DUCT
- FD — FIRE DAMPER
- SD / DS — SMOKE DAMPER WITH DUCT SMOKE DETECTOR AND ASSOCIATED DEVICES PER SPECIFICATIONS AND DETAILS
- FS / DS — COMBINATION FIRE / SMOKE DAMPER WITH DUCT SMOKE DETECTOR AND ASSOCIATED DEVICES PER SPECIFICATIONS AND DETAILS
- M — MOTORIZED DAMPER
- MANUAL BALANCING DAMPER
- CLEAN OUT
- BDD — BACK DRAFT/GRAVITY DAMPER
- UC/DG — DG: DOOR GRILLE; UC: DOOR UNDERCUT
- DIRECTION OF SUPPLY OR OUTDOOR AIRFLOW
- DIRECTION OF RETURN OR EXHAUST AIRFLOW
- AIR TRANSFER UNDER DOOR
- H — HUMIDIFIER - DUCT / AHU MOUNTED

PIPING SYMBOLS

- ELBOW TURNED UP
- ELBOW TURNED DOWN
- TEE TURNED UP
- TEE TURNED DOWN
- DIRECTION OF FLOW ARROW
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER, FLAT ON BOTTOM
- ECCENTRIC REDUCER, FLAT ON TOP
- FLANGE
- FLEXIBLE CONNECTOR
- EXPANSION COMPENSATOR
- ANCHOR
- GUIDE
- GATE VALVE
- CAPPED END
- CONTINUATION
- P — PUMP
- FM — FLOW METER (REFER TO SPECS FOR TYPE)
- M — METER
- SIGHT GLASS
- PIPE UNION
- T — STEAM TRAP (REFER TO SPECS FOR TYPE)
- STRAINER
- STRAINER WITH BLOWDOWN
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- FLOW SWITCH
- INSTRUMENT WELL
- TEMPERATURE/PRESSURE PORT (PETE'S PLUG)
- PRESSURE GAUGE WITH SHUTOFF
- THERMOMETER
- VACUUM BREAKER
- PRESSURE RELIEF VALVE
- PIPE PITCH DIRECTION
- ISOLATION VALVE (REFER TO SPECS FOR TYPE)
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- GLOBE VALVE
- TRIPLE DUTY VALVE
- BALANCING VALVE
- PRESSURE REDUCING VALVE
- DRAIN VALVE
- M — MOTORIZED, 2-WAY VALVE
- M — MOTORIZED, 3-WAY VALVE
- PNEUMATIC, 2-WAY VALVE
- S — SOLENOID, 2-WAY VALVE
- VALVE ON RISER
- VALVE ON DROP
- METERING ORIFICE
- OS&Y VALVE

GENERAL NOTES

GENERAL

1. THE PROJECT DRAWINGS AND SPECIFICATIONS ARE BASED ON THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) DOCUMENTATION FORMAT. SPECIFICATION AND DRAWING CONTENTS ARE ARRANGED BY TOPIC AND CATEGORY.
2. THE INTENT OF THESE DOCUMENTS IS FOR THE TRADE CONTRACTOR(S) TO FURNISH AND INSTALL COMPLETE SYSTEMS. THE SPECIFIED SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS (OPERATIONAL, TESTED, ADJUSTED, CALIBRATED, AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER). UNLESS EXPLICITLY NOTED OTHERWISE, FURNISH AND INSTALL ALL COMPONENTS SHOWN.
3. THE TRADES SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE DOCUMENTS INCLUDED IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES. FOR CLARITY, INFORMATION AND COMPONENTS MAY ONLY BE SHOWN ONCE AND NOT REPEATED ON COMPLEMENTARY DRAWINGS OR SPECIFICATIONS; PROVIDE THE SCOPE OF WORK INDICATED AS IF EXPRESSLY REQUIRED IN ALL DOCUMENTS.
4. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IN ORDER TO INDICATE THE SCOPE OF WORK, THE PLANS ARE ARRANGED FOR CLARITY IN TWO DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE ACTUAL LAYOUT OF SYSTEMS AND COORDINATION WITH OTHER SYSTEMS AND BUILDING ELEMENTS. COORDINATE LOCATIONS OF UTILITIES AND EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT AND UTILITY LAYOUTS REQUIRED FOR INSTALLATION ARE TO BE PERFORMED UNDER THE CONTRACT AGREEMENT AT NO ADDITIONAL COST. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH OTHER TRADES AND BUILDING ELEMENTS AND STRUCTURE. ITEMS REFERRED TO IN SINGULAR NUMBER SHALL BE PROVIDED IN QUANTITIES NECESSARY TO COMPLETE THE INDICATED SCOPE OF WORK.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT, FIXTURES, AND DEVICES IN FINISHED SPACES. COORDINATE EQUIPMENT, FIXTURE, AND DEVICE COLORS AND FINISHES WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.
6. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION. WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THE CONTRACT DOCUMENTS MUST BE FOLLOWED.
7. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, PROVIDE AN APPROPRIATE ACCESS DOOR RATED TO MATCH THE CEILING OR WALL RATING. COORDINATE THE LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
8. COORDINATE ALL UTILITIES ENTERING OR LEAVING THE BUILDING WITH THE SITE CONTRACTOR(S) BEFORE INSTALLATION. COORDINATE INVERTS WITH THE STRUCTURE AND SYSTEM REQUIREMENTS PRIOR TO INSTALLATION.
9. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS DISCOVERED BETWEEN DOCUMENTS. IF THE CONFLICT IS NOT RESOLVED PRIOR TO SUBMITTING A BID, CARRY THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
10. BEFORE INSTALLATION, COORDINATE REQUIRED SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES ASSOCIATED WITH OWNER-FURNISHED EQUIPMENT.
11. PROVIDE A CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR-MOUNTED EQUIPMENT.
12. ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR PROVIDING THE EQUIPMENT REQUIRING AN ENCLOSED CONTROLLER. REQUIREMENTS ARE SPECIFIED UNDER DIVISION 26: "ENCLOSED CONTROLLERS".
13. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
14. DO NOT INSTALL ANY SYSTEMS IN OR THROUGH ELEVATOR MACHINE ROOMS OR ELEVATOR SHAFTS THAT DO NOT SERVE THE ROOM OR SHAFT. MAINTAIN A MINIMUM OF SEVEN (7) FOOT HEAD CLEARANCE IN THE ELEVATOR MACHINE ROOM.
15. DO NOT INSTALL ANY SYSTEMS IN STAIRS NOT ASSOCIATED WITH OR SERVING THAT STAIR.
16. NO SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.
17. NO SYSTEMS OR COMPONENTS MAY REST ON OR MAKE CONTACT WITH PIPING AND EQUIPMENT REQUIRED BY CODE TO BE INDEPENDENTLY SUPPORTED, SUCH AS FIRE PROTECTION PIPING AND MEDICAL GAS PIPING.

DELEGATED DESIGN AND DEFERRED SUBMITTALS

1. THIS PROJECT INCLUDES SYSTEMS AND ELEMENTS REQUIRING DESIGN AND SUBMITTAL BY A PROFESSIONAL ENGINEER OR QUALIFIED PROFESSIONAL AS PART OF THE CONTRACTOR'S SCOPE OF WORK. THE PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA FOR THESE DELEGATED DESIGN ITEMS ARE INDICATED IN THE SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SUBMISSION OF DELEGATED DESIGN SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL.
3. THE FOLLOWING SYSTEMS, OR PORTIONS THEREOF, REQUIRE A DEFERRED SUBMITTAL. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS. ADDITIONAL SYSTEMS MAY REQUIRE DEFERRED SUBMITTALS WHERE INDICATED IN THE SPECIFICATIONS. THIS LIST IS NOT INTENDED TO BE A COMPREHENSIVE LIST OF ALL SYSTEMS REQUIRING A DELEGATED DESIGN, THE CONTRACTOR IS RESPONSIBLE FOR ALL DELEGATED DESIGN REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
   a. FIRE PROTECTION SYSTEMS
   b. HANGERS AND SUPPORTS
   c. EXPANSION COMPENSATION
   d. VIBRATION CONTROL SYSTEMS
   e. SEISMIC AND WIND RESTRAINT SYSTEMS
   f. METAL DUCT CONSTRUCTION
   g. ELECTRICAL SHORT CIRCUIT AND COORDINATION STUDIES AND ARC FLASH HAZARD ANALYSIS
   h. LIGHTNING PROTECTION SYSTEMS
   i. FIRE ALARM SYSTEMS

HVAC

1. FOR DRAWING CLARITY, VOLUME DAMPERS ARE NOT NECESSARILY SHOWN ON DUCTWORK PLANS. REFER TO SPECIFICATIONS, DETAILS, AND SCHEMATIC DIAGRAMS FOR VOLUME DAMPER LOCATIONS; VOLUME DAMPERS SHOWN ON DUCT PLANS ARE IN ADDITION TO THOSE INDICATED IN THE SPECIFICATIONS AND DETAILS.
2. FOR DRAWING CLARITY, VALVES AND ACCESSORIES ARE NOT NECESSARILY SHOWN ON PIPING PLANS. REFER TO SPECIFICATIONS, DETAILS, AND SCHEMATIC DIAGRAMS FOR VALVE AND ACCESSORY LOCATIONS; VALVES AND ACCESSORIES SHOWN ON PLANS ARE IN ADDITION TO THOSE INDICATED IN THE SPECIFICATIONS AND DETAILS.
3. PROVIDE DUCT TAKE-OFF FITTINGS PER THE SPECIFICATIONS AND DETAILS ON DRAWINGS. TAKE-OFFS SHOWN ON FLOOR PLANS DO NOT NECESSARILY REPRESENT THE SPECIFIC TYPE OF TAKE-OFF REQUIRED.
4. PIPING SHALL BE SUPPORTED FROM STRUCTURE ABOVE. TO MAXIMIZE HEAD ROOM, INSTALL TIGHT TO BOTTOM OF BEAMS WHEN RUNNING PERPENDICULAR TO BEAM. INSTALL PIPING TIGHT TO FLOOR SLAB WHEN RUNNING PARALLEL TO BEAM. PROVIDE ALL NECESSARY FITTINGS AND TRANSITIONS.
5. FOR ALL PIPING SYSTEMS, PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAINS AT ALL LOW POINTS.
6. PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE-RATED CONSTRUCTION, INCLUDING WALLS, SHAFTS AND FLOOR PENETRATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
7. PROVIDE MOTORIZED DAMPERS AT ALL PERMANENT EXTERIOR DUCTED OR LOUVERED OPENINGS (EXCEPT DRYER, KITCHEN, AND FUME EXHAUST) AND PROVIDE BMS CONTROL OF THE DAMPER OPERATION. PITCH ALL DUCTWORK CONNECTED TO LOUVERS TO EXTERIOR OF BUILDING.

RENOVATIONS

1. THIS PROJECT INVOLVES THE RENOVATION OF AN EXISTING FACILITY; BEFORE SUBMITTING A BID, CONTRACTORS SHALL ARRANGE A VISIT TO THE SITE THROUGH THE BUILDING OWNER AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH THE PROJECT IS TO BE COMPLETED.
2. CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ASSUMPTIONS, OMISSIONS OR ERRORS MADE AS A RESULT OF FAILURE TO BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS.
3. IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. COMPLETELY REMOVE EQUIPMENT AND SYSTEMS NOT BEING REUSED, INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE ACTIVE POINT OF ORIGIN.
4. EQUIPMENT, PIPING, OR CONDUIT SHALL NOT BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
5. PROPERLY DISPOSE OF REMOVED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND ENVIRONMENTAL PROTECTION STANDARDS.
6. VERIFY THE EXACT LOCATION AND QUANTITY OF ALL SYSTEM COMPONENTS SCHEDULED FOR REMOVAL OR RELOCATION.
7. PROTECT ALL SYSTEMS SCHEDULED TO REMAIN DURING CONSTRUCTION.
8. RELOCATE EXISTING SYSTEM COMPONENTS SCHEDULED TO REMAIN IN ORDER TO ACCOMMODATE CONSTRUCTION OF NEW SYSTEMS AND FINISHES.
9. MAINTAIN THE CONTINUITY OF ALL EXISTING SYSTEMS SCHEDULED TO REMAIN ACTIVE DURING CONSTRUCTION INCLUDING ACTIVE SYSTEMS PARTIALLY REMOVED AS PART OF THIS PROJECT. COORDINATE ALL INTERRUPTIONS OF SERVICE WITH THE OWNER IN ADVANCE.
10. PROVIDE TEMPORARY SERVICES REQUIRED TO ACCOMMODATE PHASING IN ORDER TO MAINTAIN EXISTING SERVICES TO ACTIVE AREAS.
11. PRIOR TO CONSTRUCTION, MEASURE AND RECORD EXISTING AIRFLOW AND FAN DATA FOR OPERATING CONDITION PRIOR TO DEMOLITION FOR ALL EXISTING AIR SYSTEMS AND BRANCH DUCTS SCHEDULED TO REMAIN. PROVIDE REPORT TO ENGINEER PRIOR TO DEMOLITION.

ENERGY SIMULATION CALCULATIONS

1. DURING THE DESIGN OF THIS PROJECT, COMPUTERIZED ENERGY SIMULATION CALCULATIONS WERE PERFORMED TO ESTIMATE THE DIFFERENCES IN ENERGY CONSUMPTION BETWEEN DIFFERENT BUILDING SYSTEMS AND DIFFERENT BUILDING ENVELOPES. THE INTENT OF THE CALCULATIONS IS TO ASSIST IN THE DESIGN OF THE BUILDING'S ENVELOPE AND ITS SYSTEMS.
2. ENERGY SIMULATION CALCULATIONS ARE NOT INTENDED TO PREDICT ACTUAL ENERGY CONSUMPTION OR ENERGY COSTS FOR THE BUILDING. ACTUAL EXPERIENCE WILL DIFFER FROM THE CALCULATIONS DUE TO VARIATIONS SUCH AS OCCUPANCY, BUILDING OPERATION AND MAINTENANCE, WEATHER, ENERGY USE NOT COVERED BY THE ENERGY SIMULATION, CHANGES IN ENERGY RATES BETWEEN THE DESIGN OF THE BUILDING AND OCCUPANCY, AND THE PRECISION OF THE ENERGY CALCULATION SOFTWARE.

GENERAL SCOPE OF WORK

THE FOLLOWING SCOPE DESCRIPTION IS FOR REFERENCE ONLY AND IS NOT NECESSARILY ALL-INCLUSIVE.

- REMOVE EXISTING EXHAUST FAN IEF-3 ON THE ROOF.
- PROVIDE NEW EXHAUST FAN IEF-3 ON THE ROOF.

CODE INFORMATION

PARTIAL LIST OF APPLICABLE AND REFERENCED CODES AND STANDARDS, AS AMENDED BY STATE CODES, REGULATIONS, AND LAWS (NOT ALL REFERENCED AND APPLICABLE CODES AND STANDARDS ARE LISTED)

BUILDING CODE	2021	INTERNATIONAL BUILDING CODE
PLUMBING CODE	2021	INTERNATIONAL PLUMBING CODE
MECHANICAL CODE	2021	INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE	2026	NFPA 70 - NATIONAL ELECTRIC CODE
ENERGY CODE	2021	INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE	2021	NFPA 1 - FIRE CODE
	2021	INTERNATIONAL FIRE CODE
FIRE PROTECTION	2019	NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS
	2019	NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
FIRE ALARM	2019	NFPA 72 - NATIONAL FIRE ALARM CODE
HEALTH CARE FACILITIES	2022	FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
	2021	ANSI/ASHRAE/ASHE STANDARD 170-2021; VENTILATION OF HEALTH CARE FACILITIES
	2021	NFPA 99 AND NFPA 99 - 2012; HEALTH CARE FACILITIES CODE, AS ENFORCED BY CMS
	2021	NFPA 101 AND NFPA 101 - 2012: LIFE SAFETY CODE, AS ENFORCED BY CMS
	2021	THE JOINT COMMISSION
STATE LAW	2021	GENERAL STATUTES
MUNICIPAL REQUIREMENTS	2021	LOCAL CODES AND ORDINANCES ADOPTED BY MUNICIPALITY

DRAWING INDEX

H001	MECHANICAL ABBREVIATIONS, SYMBOLS AND CODES
HD102	ROOF VENTILATION DEMOLITION PLAN
H101	LEVEL 1 VENTILATION PLAN
H102	ROOF VENTILATION PLAN
H300	DETAILS, DIAGRAMS, SCHEDULES

This work must also comply with **2021 IECC.**

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y.MUNOZ*
Date: *Sep 28, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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COLORADO LICENSED JOHN M. HAUGE 0050622 PROFESSIONAL ENGINEER
9/21/2026

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	1/8" = 1'-0"
DRAWN:	MS
REVIEWED:	JH
JOB NUMBER:	2661-00794-00

MECHANICAL ABBREVIATIONS, SYMBOLS AND CODES

H001

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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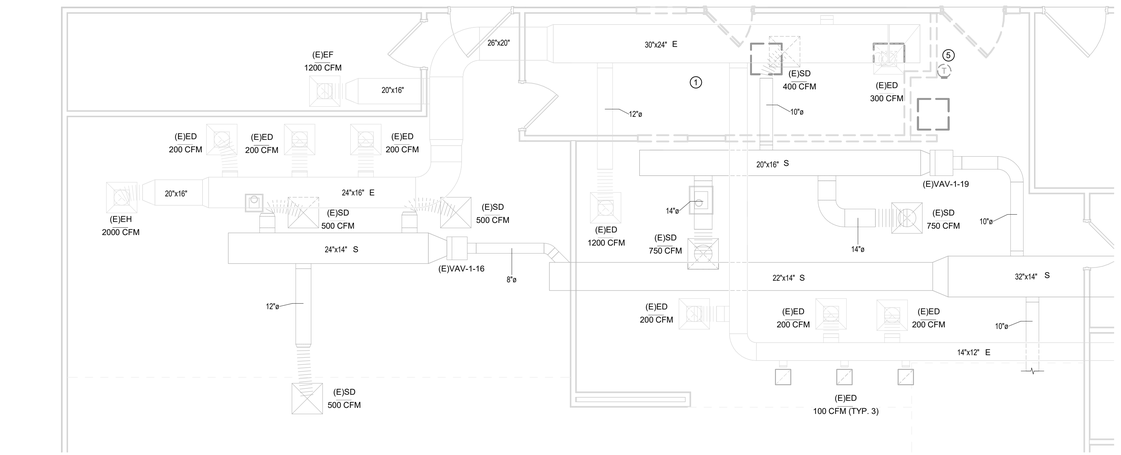
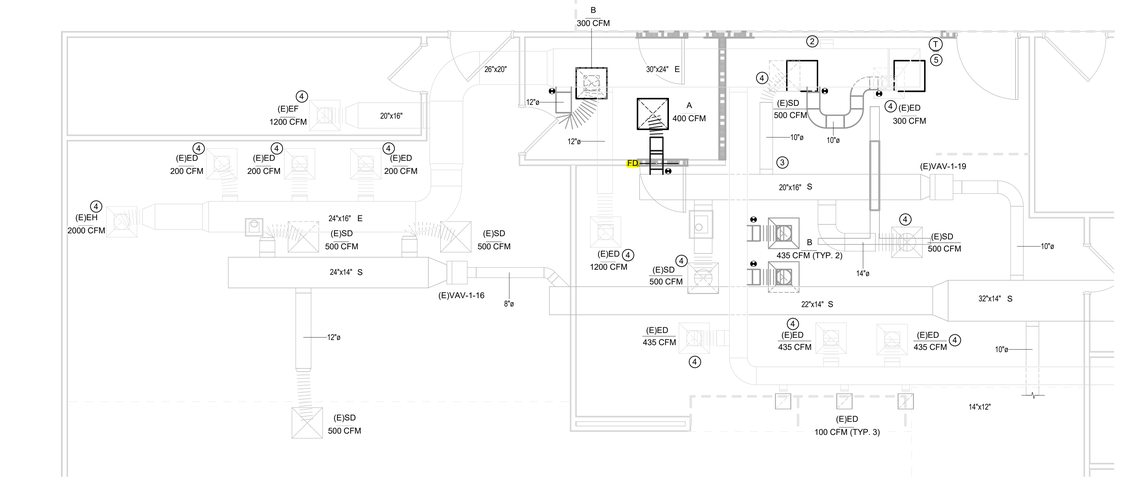


2 1 - VENTILATION - DEMO
1/4" = 1'-0"



1 1 - VENTILATION - NEW
1/4" = 1'-0"

HVAC GENERAL NOTES:

1. SEE ARCHITECTURAL FOR PHASING.
2. USE NEW EXHAUST GRILLE TO KEEP INSTRUMENT STORAGE ROOM NEGATIVE DURING CONSTRUCTION.
3. PERFORM A PRE-TEST AND BALANCE (PRE-BALANCE) OF EXISTING SUPPLY AND RETURN AIR DEVICES SERVING THE PROJECT AREA PRIOR TO START OF CONSTRUCTION. SUBMIT A COPY OF THE PRE-BALANCE REPORT TO THE ENGINEER FOR REVIEW.
4. PERFORM A FINAL TEST AND BALANCE (RE-BALANCE) OF ALL AIR SYSTEMS SERVING THE PROJECT AREA AFTER COMPLETION OF CONSTRUCTION, INCLUDING NEW AND MODIFIED AIR DEVICES, TO ACHIEVE SCHEDULED AIRFLOWS.

Provide the Test and Balance report to the inspector on site.

HVAC DRAWING NOTES:

1. REMOVE (2) EXISTING ABANDONED PIPE HANGERS.
2. CAP OPEN EXHAUST BRANCH.
3. PROVIDE MINIMUM 24" X 24" ACCESS PANEL TO ACCESS EXISTING MANUAL DAMPER ON SUPPLY DUCT BRANCH. COORDINATE WITH ARCHITECTURAL.
4. REBALANCE EXISTING DIFFUSER.
5. PROTECT AND RELOCATE EXISTING THERMOSTAT.

City of Aurora Building Division
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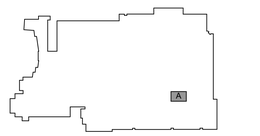
KEY PLAN



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9/21/2026

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LEVEL 1 VENTILATION PLAN

H101

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Autodesk Docs://HCA Healthone Aurora SPD Expansion/SO_2661-00794-00_TMCA SPD Renovation_MEP_R25.rvt
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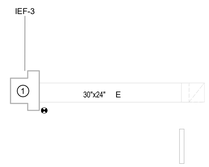

HVAC GENERAL NOTES:

1. SEE ARCHITECTURAL FOR PHASING.
2. PERFORM A FINAL TEST AND BALANCE (RE-BALANCE) OF ALL AIR SYSTEMS SERVING THE PROJECT AREA AFTER COMPLETION OF CONSTRUCTION, INCLUDING NEW AND MODIFIED AIR DEVICES, TO ACHIEVE SCHEDULED AIRFLOWS.

HVAC DRAWING NOTES:

1. PROVIDE NEW EXHAUST FAN AND ALL SUPPORTS, CONTROLS, AND ACCESSORIES. MOUNT OUTDOOR-RATED VFD ON UNISTRUT STAND ON ROOF ADJACENT TO NEW FAN.
2. EXISTING TO REMAIN RTU.

1 ROOF - VENTILATION - NEW
1/8" = 1'-0"

T.N.

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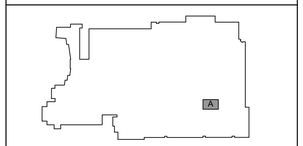

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JOB NUMBER:	2661-00794-00

ROOF VENTILATION PLAN

H102

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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1 ROOF - VENTILATION - DEMO
1/8" = 1'-0"

T.N.

HVAC GENERAL NOTES:

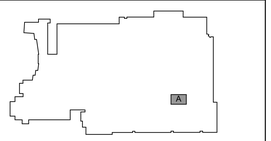
1. SEE ARCHITECTURAL FOR PHASING.

HVAC DRAWING NOTES:

1. REMOVE EXISTING EXHAUST FAN AND ALL SUPPORTS, CONTROLS, AND ACCESSORIES.
2. EXISTING TO REMAIN RTU.

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

KEY PLAN



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JOHN M. HAUGH
0050622
PROFESSIONAL ENGINEER

9/21/2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
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AGENCY APPROVALS:

REVISIONS		
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ROOF VENTILATION
DEMOLITION PLAN

HD102

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RSN: 2005238 | PERMIT #2026 2656467

FAN SCHEDULE

TAG	AREA SERVED	SYSTEM	ELEVATION (FT)	FAN DATA								ELECTRICAL			WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
				TYPE	CFM	BHP	RPM	FEI	DRIVE	E.S.P. (IN. W.C.)	FAN CLASS	V/ø/Hz	MHP	FLA				
IEF-3	SPD	EXHAUST	5500	UTILITY SET	7,900	4.7	1,668	1	DIRECT	2.5	I	460/3/60	7.5	11	390	GREENHECK	USF-22-A2	ALL

NOTES:

1. VFD PROVIDED BY FAN-MANUFACTURER AND INSTALLED BY EC.
2. PROVIDE WITH AIRFOIL FAN BLADES.
3. UPBLAST CONFIGURATION.
4. VFD OUTPUT FREQUENCY SHOULD BE NO GREATER THAN 60 HZ AT THE DESIGN OPERATING POINT.
5. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
6. NEMA RATED FUSED DISCONNECT SWITCH PROVIDED BY FAN-MANUFACTURER AND INSTALLED BY EC.
7. PROVIDE WITH EXTENDED LUBRICATION LINES.
8. PROVIDE WITH OSHA COMPLIANT OUTLET GUARD.
9. ALTERNATE ACCEPTABLE MANUFACTURERS: TWIN CITY FAN, COOK

Key Name

ASHRAE 170 VENTILATION SCHEDULE

ROOM NUMBER	ROOM NAME	ASHRAE ROOM PURPOSE	FLOOR AREA (SQ. FT.)	CEILING HEIGHT (FT.)	SPACE VOLUME (CU. FT.)	ASHRAE 170 CODE REQUIREMENTS							PLAN REQUIREMENTS			
						TOTAL AIR ACH	TOTAL AIR CFM	OUTSIDE AIR ACH	OUTSIDE AIR CFM	PRESSURE RELATION	ALL ROOM AIR EXHAUSTED	AIR RECIRCULATED...	CFM SUPPLY	CFM OUTSIDE AIR	CFM RETURN	CFM EXHAUST
101	DECON	DECONTAMINATION...	681	8	5448	6	545	2	185	NEGATIVE	YES	NO	1500	450	0	2180
102	INSTRUMENT STOR RM	STERILE STORAGE...	101	8	808	4	55	2	30	POSITIVE	NR	NR	400	120	0	300

Key Name

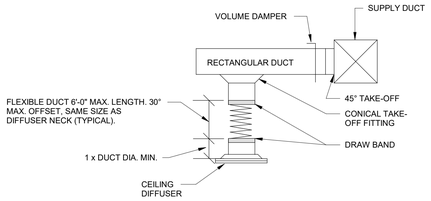
GRILLE, REGISTER, AND DIFFUSER SCHEDULE

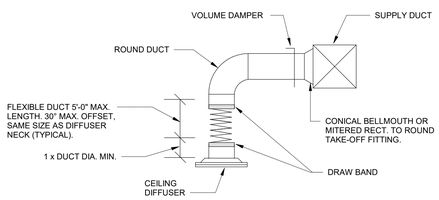
TAG	SERVICE	TYPE	INLET SIZE (IN.)	FACE SIZE (IN.)	INTEGRAL DAMPER	MATERIAL / FINISH	MANUFACTURER	MODEL	REMARKS
A	SUPPLY	SQUARE PLAQUE DIFFUSER	SEE PLANS	24 X 24	NO	ALUMINUM/WHITE	PRICE	SPD	ALL
B	RETURN / EXHAUST	LOUVERED RETURN GRILLE	N/A	24 X 24	NO	ALUMINUM/WHITE	PRICE	635	ALL

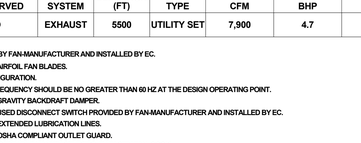
REMARKS:

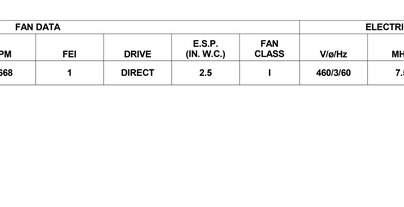
1. CONFIRM FINISH WITH ARCHITECT BEFORE ORDERING.
2. ACCEPTABLE ALTERNATE MANUFACTURERS: TITUS, KRUEGER.

Key Name





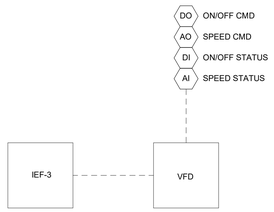




GENERAL NOTES:

1. REFER TO GRILLES, REGISTERS, AND DIFFUSERS EQUIPMENT SCHEDULE FOR TYPES.
2. SPIN COLLARS SHALL NOT BE PERMITTED.
3. SPECIAL CONDITIONS THAT CAN NOT MEET ONE OF THESE STANDARDS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION ON A CASE BY CASE BASIS.
4. DETAILS ILLUSTRATE INSTALLATION WITH ROUND NECK DIFFUSERS AND DUCTS. SQUARE OR RECTANGULAR NECK DIFFUSERS AND DUCTS SHALL BE SIMILAR.

① **TYPICAL DIFFUSER INSTALLATION - NOT TO SCALE**

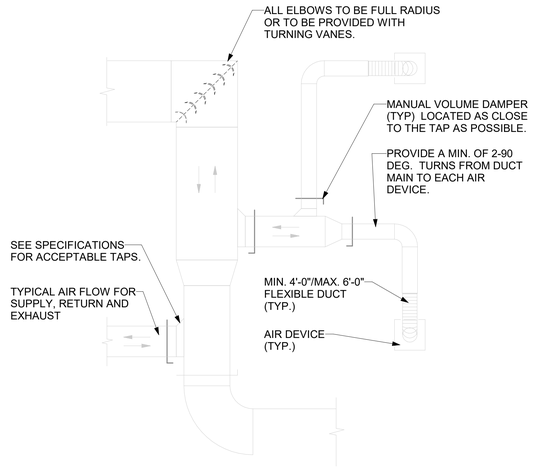


NOTES:

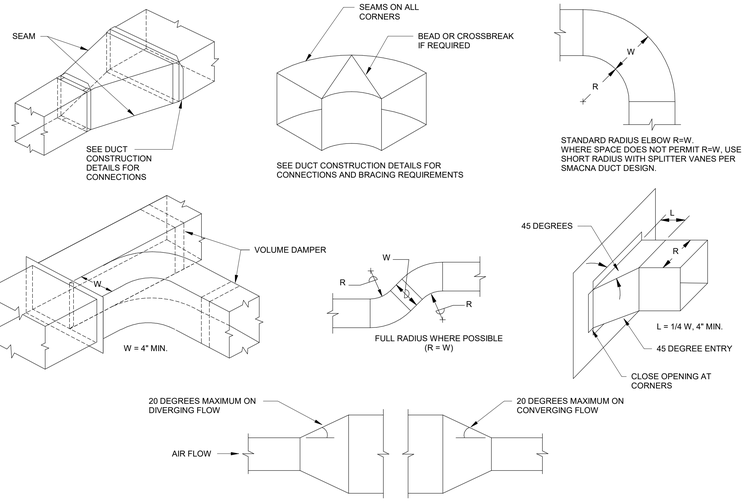
1. EXHAUST FAN SHALL RUN AT A CONSTANT SPEED UNDER NORMAL OPERATION.
2. TAB CONTRACTOR SHALL MODULATE THE VFD OUTPUT TO BALANCE THE FAN TO THE SCHEDULED AIRFLOW.

① **EXHAUST FAN CONTROL DIAGRAM**

④ FAN CONTROL DIAGRAM
3" = 1'-0"



② **TYPICAL LOW PRESSURE SUPPLY, RETURN, AND EXHAUST DUCT DETAIL - NOT TO SCALE**



③ **DUCT CONSTRUCTION DETAIL - NOT TO SCALE**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y.MUNOZ*
Date: *Sep 26, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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DETAILS, DIAGRAMS, SCHEDULES

H300

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GENERAL ELECTRICAL NOTES

1. THIS IS AN OFFICE STANDARD SYMBOL LIST. ALL SYMBOLS DO NOT NECESSARILY APPEAR ON THIS PROJECT.
2. COORDINATE ALL WORK WITH OTHER TRADES TO PREVENT DISRUPTION TO THE OWNER AND MINIMIZE THE DOWNTIME.
3. REFER TO ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL UTILITY AND COORDINATE WORK REGARDING EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO; TRANSFORMER, CONCRETE PAD, PRIMARY CONDUIT STUBS, GROUNDING SECONDARY CONDUIT AND WIRING, CT CABINET AND METER SOCKET. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
5. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS AND SCHEDULING OF REQUIRED ELECTRICAL INSPECTIONS.
7. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
8. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
9. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED ELECTRICAL AND TECHNOLOGY DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING GRILLES AND DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY AND VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
10. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
11. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
12. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY AND IN A SEPARATE STUD CAVITY TO ISOLATE POTENTIAL SOUND ISSUES. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
13. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A RECEPTACLE INSTALLED CONCEALED BEHIND WATER COOLER ACCESS PLATE WITH A REMOTE GFCI DEVICE OR CIRCUIT BREAKER.
14. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE INSTALLED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
15. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL (1) 120V, 20A BRANCH CIRCUIT TO THE NEAREST ELECTRICAL PANEL FOR EACH TEMPERATURE CONTROL PANEL, UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH TEMPERATURE CONTROLS CONTRACTOR.
16. INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
17. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
18. ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THAT CONTRACTOR.
19. DO NOT INSTALL CONDUIT IN CONCRETE SLABS UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER, ARCHITECT AND ELECTRICAL ENGINEER.
20. EACH INDIVIDUAL ELECTRICAL HOMERUN SHOWN ON FLOOR PLANS, DETAILS, OR SCHEDULES SHALL BE PROVIDED IN A DEDICATED RACEWAY.
21. SERIES RATING OF PROTECTIVE/ISOLATION DEVICES AND/OR ELECTRICAL EQUIPMENT IS UNACCEPTABLE. ALL ELECTRICAL EQUIPMENT AND PROTECTIVE DEVICES SHALL BE “FULLY” RATED.
22. PROVIDE POWER TO MECHANICAL EQUIPMENT SHOWN ON MECHANICAL PLANS, RISERS, SCHEDULES, OR IN SPECIFICATIONS. NOT ALL MECHANICAL EQUIPMENT IS NECESSARILY SHOWN ON ELECTRICAL PLANS. REFER TO MECHANICAL PLANS AND SCHEDULES FOR LOCATIONS AND SPECIFIC ELECTRICAL REQUIREMENTS. COORDINATE EXACT LOCATION AND ORIENTATION OF EQUIPMENT WITH OTHER TRADES.
23. PROVIDE INTERFACE CONNECTIONS TO THE FIRE ALARM SYSTEM AND FIRE PROTECTION SYSTEM EQUIPMENT SHOWN ON PLANS, SCHEDULES, RISERS, OR IN SPECIFICATIONS. NOT ALL EQUIPMENT IS NECESSARILY SHOWN ON ELECTRICAL PLANS. COORDINATE EXACT LOCATION AND QUANTITY WITH THE FIRE PROTECTION CONTRACTOR.
24. FURNISH AND COORDINATE THE LOCATION OF DUCT SMOKE DETECTORS. PROVIDE AND WIRE DEVICES TO THE FIRE ALARM SYSTEM; INSTALL DETECTORS WITH THE ASSISTANCE OF THE MECHANICAL CONTRACTOR.
25. INSTALL WIRING FROM AN EMERGENCY SOURCE OR EMERGENCY DISTRIBUTION OVERCURRENT PROTECTION TO EMERGENCY LOADS ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT EXCEPT WITHIN THE EQUIPMENT, EXIT SIGNS, AND EMERGENCY LUMINAIRES.
26. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED LUMINAIRES SHOWN ON ELECTRICAL PLANS.
27. PROVIDE GROUND FAULT RECEPTACLES WITHIN SIX FEET (6') OF SINK OR OTHER WATER SOURCE; PROVIDE GROUND FAULT WEATHERPROOF RECEPTACLES AT ALL EXTERIOR LOCATIONS.
28. PARTIAL CONDUIT ROUTING INDICATED ARE INTENDED TO REPRESENT A PROPOSED GENERAL PATHWAY SHOWN FOR DESIGN INTENT ONLY. NOT ALL CONDUITS, PULL BOXES AND JUNCTION BOXES ARE SHOWN.
29. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SIZING OF ALL PULL BOXES, SPLICE BOXES, FITTINGS, RACEWAYS AND TRANSITIONS ETC. FOR ALL ELECTRICAL WORK AS INDICATED BY SCHEDULE, RISERS, SEQUENCES, SPECIFICATIONS AND DRAWINGS.
30. UNDERGROUND CONDUITS SHALL TRANSITION TO METALLIC CONDUIT PRIOR TO EXITING CONCRETE SLAB.
31. EXIT SIGNS ARE NOT NECESSARILY SHOWN WIRED ON THE DRAWINGS. PROVIDE SINGLE CIRCUIT EXIT SIGNS WITH BATTERY BACKUP; CONNECT POWER TO THE UN-SWITCHED LIGHTING CIRCUIT IN THE AREA SERVED BY THE EXIT SIGN.

GENERAL NOTES

1. THE INTENT OF THESE DOCUMENTS IS FOR THE TRADES TO FURNISH AND INSTALL COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS. THE SPECIFIED FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL, TECHNOLOGY, AND SPECIAL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS (OPERATIONAL, TESTED, ADJUSTED, CALIBRATED, AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER).
2. OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. INFORMATION IS PROVIDED ON THE VARIOUS DRAWINGS, SCHEDULES, SPECIFICATIONS AND ALL OF THE DOCUMENTS INCLUDED IN THE BIDDING PACKAGE. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND FORM A TOTAL PROJECT DESIGN AND INFORMATION SOURCE FOR CONSTRUCTION PURPOSES.
3. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IN ORDER TO INDICATE THE SCOPE OF WORK, THE PLANS ARE ARRANGED FOR CLARITY IN TWO DIMENSIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE ACTUAL LAYOUT OF SYSTEMS AND COORDINATION WITH OTHER SYSTEMS AND BUILDING ELEMENTS. COORDINATE LOCATIONS OF UTILITIES AND EQUIPMENT WITH OTHER TRADES BEFORE AND DURING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT AND UTILITY LAYOUTS REQUIRED FOR INSTALLATION ARE TO BE PERFORMED UNDER THE CONTRACT AGREEMENT AT NO ADDITIONAL COST. PROVIDE ADDITIONAL TRANSITIONS AND OFFSETS IN ALL PIPING, DUCTWORK OR CONDUIT FOR COORDINATION WITH OTHER TRADES AND BUILDING ELEMENTS AND STRUCTURE.
4. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT, FIXTURES, AND DEVICES IN FINISHED SPACES. COORDINATE EQUIPMENT, FIXTURE, AND DEVICE COLORS AND FINISHES WITH THE ARCHITECT. MOUNTING HEIGHTS SHALL BE APPROVED BY THE ARCHITECT.
5. PERFORM ALL WORK IN COMPLIANCE WITH THE SPECIFICATIONS, APPLICABLE CODES, ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION. WHERE THE CONTRACT DOCUMENTS EXCEED CODE REQUIREMENTS, THE CONTRACT DOCUMENTS MUST BE FOLLOWED.
6. INSTALL ALL EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE EQUIPMENT MUST BE INSTALLED ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, PROVIDE AN APPROPRIATE ACCESS DOOR RATED TO MATCH THE CEILING OR WALL RATING. COORDINATE THE LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
7. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS DISCOVERED BETWEEN DOCUMENTS. IF THE CONFLICT IS NOT RESOLVED PRIOR TO SUBMITTING A BID, CARRY THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
8. BEFORE INSTALLATION, COORDINATE REQUIRED SERVICE CONNECTIONS, FACTORY START UPS AND INSTALLATION OF FIELD DEVICES ASSOCIATED WITH OWNER-FURNISHED EQUIPMENT.
9. ENCLOSED CONTROLLERS SHALL BE PROVIDED BY THE CONTRACTOR PROVIDING THE EQUIPMENT REQUIRING AN ENCLOSED CONTROLLER. REQUIREMENTS ARE SPECIFIED UNDER DIVISION 26: "ENCLOSED CONTROLLERS".
10. DO NOT INSTALL PIPING OR DUCTWORK OVER ELECTRICAL PANELS, TRANSFORMERS, OR SPECIAL EQUIPMENT.
11. DO NOT INSTALL ANY SYSTEMS IN STAIRS NOT ASSOCIATED WITH OR SERVING THAT STAIR.
12. NO SYSTEM COMPONENTS MAY BE SUPPORTED FROM STRUCTURAL BRACED FRAMES.
13. NO SYSTEMS OR COMPONENTS MAY REST ON OR MAKE CONTACT WITH PIPING AND EQUIPMENT REQUIRED BY CODE TO BE INDEPENDENTLY SUPPORTED, SUCH AS FIRE PROTECTION PIPING AND MEDICAL GAS PIPING.

GENERAL DEMOLITION NOTES

1. THIS DEMOLITION PLAN HAS BEEN PREPARED TO GENERALLY ASSIST THE CONTRACTOR IN DETERMINING THE SCOPE OF DEMOLITION WORK TO BE INCLUDED IN THIS PROJECT. THIS DRAWING IS NOT INTENDED TO BE A COMPLETE INDICATION OF ALL DEMOLITION WORK REQUIRED TO COMPLETE THE PROJECT.
2. IT IS NOT THE INTENT OF THESE DOCUMENTS TO SHOW EVERY DEVICE, APPURTENANCE, PIPE, WIRE OR CONDUIT TO BE REMOVED. COMPLETELY REMOVE EQUIPMENT AND SYSTEMS NOT BEING REUSED, INCLUDING ASSOCIATED HANGERS, SUPPORTS, BASES, PADS, PIPES, DUCTS, CONDUITS, WIRES, INSULATION, AND CONTROLS BACK TO THE ACTIVE POINT OF ORIGIN.
3. REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING DEMOLITION SHOWN FOR OTHER TRADES, AND BECOME FAMILIAR WITH EXISTING CONDITIONS, IN ORDER TO DETERMINE THE SCOPE OF DEMOLITION WORK. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
4. ELECTRICAL ITEMS (i.e., LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE REASONS).
5. UNLESS NOTED OTHERWISE, ALL COMMUNICATIONS SYSTEMS, FIRE ALARM, PUBLIC ADDRESS, PAGING, ETC. SHALL BE MAINTAINED, TEMPORARILY SUPPORTED, AND REMAIN OPERATIONAL UNTIL COMPLETION OF CONSTRUCTION.
6. ALL ITEMS SHOWN AS REMOVED SHALL HAVE THE ITEM AND CIRCUIT REMOVED BACK TO THE PANELBOARD OR THE LAST ACTIVE DEVICE REMAINING.
7. NO ITEM THAT IS INTENDED TO REMAIN SHALL BE LEFT WITH LOSS OF POWER OR COMMUNICATIONS DUE TO REMOVAL OF OTHER ITEMS CONNECTED TO THE SAME CIRCUIT. EXTEND ALL EXISTING CIRCUITS TO EQUIPMENT/DEVICES THAT ARE TO REMAIN.
8. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER.
9. WHERE LIGHTS, SWITCHES, RECEPTACLES, ETC., ARE BEING REMOVED ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED.
10. ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.
11. CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
12. DEMOLISH ELECTRICAL CONNECTION, ELECTRICAL DISCONNECT, AND CONTROLS OF EXISTING EQUIPMENT NOTED FOR REMOVAL. WHERE CIRCUITS ARE NOT BEING RETAINED FOR REUSE, REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL AND LABEL EXISTING CIRCUIT BREAKER AS SPARE.
13. PROVIDE PROPER SUPPORT FOR EXISTING CABLES THAT REMAIN UPON COMPLETION OF DEMOLITION.
14. EXISTING CIRCUIT NUMBERS SHOWN FOR DESIGN INTENT ONLY. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CIRCUIT NUMBERING.
15. DEMOLISH AND REMOVE ALL EXISTING ELECTRICAL SYSTEMS WHERE SCHEDULED FOR DEMOLITION. NO PORTION OF ELECTRICAL SYSTEMS SCHEDULED FOR DEMOLITION SHALL BE ABANDONED IN PLACE.
16. EXISTING CEILINGS TO BE REMOVED SHALL INCLUDE DEMOLITION OF ALL FIXTURES, EQUIPMENT, SPEAKERS, RACEWAY, AND WIRE, INCLUDING ANY OBSOLETE OR PREVIOUSLY ABANDONED PRODUCTS. REMAINING AREAS SHALL ONLY BE ALTERED AS REQUIRED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
17. EXISTING PARTITIONS TO REMAIN SHALL NOT BE ALTERED EXCEPT WHERE REMOVAL AND REPLACEMENT OF SURFACES IS REQUIRED TO MODIFY SYSTEMS WITHIN PARTITIONS.
18. EXISTING PARTITIONS TO BE REMOVED SHALL INCLUDE DEMOLITION OF ALL DEVICES, RACEWAY AND WIRE INCLUDING ANY OBSOLETE OR PREVIOUSLY ABANDONED PRODUCTS. RACEWAY AND WIRING SYSTEMS SERVING OTHER REMAINING AREAS SHALL ONLY BE ALTERED AS REQUIRED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
19. EQUIPMENT, PIPING, OR CONDUIT SHALL NOT BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
20. PROPERLY DISPOSE OF REMOVED EQUIPMENT IN COMPLIANCE WITH CODES, REGULATIONS, AND ENVIRONMENTAL PROTECTION STANDARDS.
21. PROTECT ALL SYSTEMS SCHEDULED TO REMAIN DURING CONSTRUCTION.
22. PROVIDE TEMPORARY SERVICES REQUIRED TO ACCOMMODATE PHASING IN ORDER TO MAINTAIN EXISTING SERVICES TO ACTIVE AREAS.
23. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND HID AND FLUORESCENT LAMPS CONTAIN MERCURY. THESE ITEMS SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.

DELEGATED DESIGN AND DEFERRED SUBMITTALS

1. THIS PROJECT INCLUDES SYSTEMS AND ELEMENTS REQUIRING DESIGN AND SUBMITTAL BY A PROFESSIONAL ENGINEER OR QUALIFIED PROFESSIONAL AS PART OF THE CONTRACTOR'S SCOPE OF WORK. THE PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA FOR THESE DELEGATED DESIGN ITEMS ARE INDICATED IN THE SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SUBMISSION OF DELEGATED DESIGN SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL.
3. THE FOLLOWING SYSTEMS, OR PORTIONS THEREOF, REQUIRE A DEFERRED SUBMITTAL. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS. ADDITIONAL SYSTEMS MAY REQUIRE DEFERRED SUBMITTALS WHERE INDICATED IN THE SPECIFICATIONS. THIS LIST IS NOT INTENDED TO BE A COMPREHENSIVE LIST OF ALL SYSTEMS REQUIRING A DELEGATED DESIGN, THE CONTRACTOR IS RESPONSIBLE FOR ALL DELEGATED DESIGN REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
   - A. ELECTRICAL SHORT CIRCUIT AND COORDINATION STUDIES AND ARC FLASH HAZARD ANALYSIS
   - B. EXPANSION COMPENSATION
   - C. EMERGENCY RESPONSE SYSTEMS
   - D. FIRE ALARM SYSTEMS
   - E. FIRE PROTECTION SYSTEMS
   - F. HANGERS AND SUPPORTS
   - G. LIGHTNING PROTECTION SYSTEMS
   - H. METAL DUCT CONSTRUCTION
   - I. SEISMIC AND WIND RESTRAINT SYSTEMS
   - J. VAV SYSTEMS
   - K. VIBRATION CONTROL SYSTEMS
   - L. VRF SYSTEMS REFRIGERANT PIPING

BRANCH CIRCUIT WIRING SCHEDULE

OCPD AMPS	1P-2W+G,2P-2W+G	2P-3W+G & 3P-3W+G	3P-4W+G
15	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
20	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
25	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
30	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
35	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
40	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
45	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
50	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
60	2#4, 1#10G, 3/4"C	3#4, 1#10G, 1"C	4#4, 1#10G, 1 1/4"C
70	2#4, 1#8G, 3/4"C	3#4, 1#8G, 1"C	4#4, 1#8G, 1 1/4"C
80	2#3, 1#8G, 1"C	3#3, 1#8G, 1"C	4#3, 1#8G, 1 1/4"C
90	2#2, 1#8G, 1"C	3#2, 1#8G, 1 1/4"C	4#2, 1#8G, 1 1/4"C
100	2#1, 1#8G, 1 1/4"C	3#1, 1#8G, 1 1/4"C	4#1, 1#8G, 1 1/2"C

CONTRACTOR ABBREVIATIONS

AVC	AUDIO / VISUAL CONTRACTOR	GC	GENERAL CONTRACTOR
ACC	ACCESS CONTROL CONTRACTOR	MC	MECHANICAL CONTRACTOR
CC	CONTROLS CONTRACTOR	PC	PLUMBING CONTRACTOR
CM	CONSTRUCTION MANAGER	SC	SECURITY CONTRACTOR
DHC	DOOR HARDWARE CONTRACTOR	TC	TECHNOLOGY CONTRACTOR
EC	ELECTRICAL CONTRACTOR	TCC	TEMPERATURE CONTROLS CONTRACTOR
FC	FURNITURE CONTRACTOR		
FPC	FIRE PROTECTION CONTRACTOR		

ELECTRICAL ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AMP	AMPERE
AF	AMP FRAME
AT	AMP TRIP
AFC	AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
ALM	ALARM
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BATT	BATTERY
BF	BELOW FLOOR
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CC	CONTROLS CONTRACTOR
CCT	COLOR CORRECTED TEMPERATURE
CKT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUED
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
CUH	CABINET UNIT HEATER
dB	DECIBEL
DC	DIRECT CURRENT
DISB	DISTRIBUTION
DIV	DIVISION
DISC	DISCONNECT SWITCH
DN	DOWN
DO	DOOR OPERATOR
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWINGS
EA	EACH
ELEC	ELECTRICAL
EHC	ELECTRIC HEATING CABLE
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EV	ELECTRIC VEHICLE CHARGING STATION
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPLOSION PROOF
F	FUSE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FB	FLOORBOX
FDC	FIRE DEPARTMENT CONNECTION
FLA	FULL LOAD AMPS
FLC	FULL LOAD CURRENT
FMC	FLEXIBLE METALLIC CONDUIT
FS	FUSED SWITCH
FT	FEET
FUT	FUTURE
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCB	GROUND FAULT CIRCUIT BREAKER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	GROUND
HP	HORSE POWER
HR	HOUR
HTG	HEATING
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
IC	INTERRUPTING CAPACITY
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IN	INCH
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE

LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
MV	MEDIUM VOLTAGE
MW	MEGA WATTS
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE (NFPA 70)
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NL	NEW LOCATION OF RELOCATED EQUIPMENT
NO	NORMALLY OPENED
NR	NEW EQUIPMENT TO REPLACE EXISTING
NTS	NOT TO SCALE
OH	OVERHEAD
PB	PULL BOX
PC	PHOTOCELL
PF	POWER FACTOR
PH	PHASE – ø
PNL	PANELBOARD
PRI	PRIMARY
PROT	PROTECTION OR PROTECTIVE
PT	POTENTIAL TRANSFORMER
PoE	POWER OVER ETHERNET
PP	POWER POLE
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
REF	REFRIGERATOR
RE	REMOVE EXISTING EQUIPMENT
RL	RELOCATE EXISTING EQUIPMENT
RM	ROOM
RR	REMOVE AND REPLACE ON NEW SURFACE
SC	SHORT CIRCUIT
SEC	SECONDARY
SIM	SIMILAR
SP	SINGLE POLE
SPDT	SINGLE POLE DOUBLE THROW
SPKR	SPEAKER
SPST	SINGLE POLE SINGLE THROW
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TIME CLOCK
TE	TOTALLY ENCLOSED
TEFC	TOTALLY ENCLOSED FAN COOLED
TERM	TERMINAL
TR	TAMPER RESISTIANT
TV	TELEVISION
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL
UF	UNDERGROUND FEEDER AND BRANCH CIRCUIT CABLE
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
V	VOLTS
VA	VOLT-AMPERE
VAR	VOLT-AMPERES REACTIVE
VP	VAPORPROOF
VT	VAPORTIGHT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
20A	20 AMP
3W	3 WIRE
4W	4 WIRE
20A/1P	20 AMP 1-POLE
100A/3P	100 AMP 3-POLE

CODE INFORMATION

PARTIAL LIST OF APPLICABLE AND REFERENCED CODES AND STANDARDS, AS AMENDED BY STATE CODES, REGULATIONS, AND LAWS (NOT ALL REFERENCED AND APPLICABLE CODES AND STANDARDS ARE LISTED)

BUILDING CODE	2021	INTERNATIONAL BUILDING CODE
PLUMBING CODE	2021	INTERNATIONAL PLUMBING CODE
MECHANICAL CODE	2021	INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE	2026	NFPA 70 - NATIONAL ELECTRIC CODE
ENERGY CODE	2021	INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE	2021	NFPA 1 - FIRE CODE
	2021	INTERNATIONAL FIRE CODE
FIRE PROTECTION	2019	NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS
	2019	NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
FIRE ALARM	2019	NFPA 72 - NATIONAL FIRE ALARM CODE
HEALTH CARE FACILITIES	2022	FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
	2021	ANSI/ASHRAE/ASHE STANDARD 170-2021; VENTILATION OF HEALTH CARE FACILITIES
	2021	NFPA 99 AND NFPA 99 - 2012; HEALTH CARE FACILITIES CODE, AS ENFORCED BY CMS
	2021	NFPA 101 AND NFPA 101 - 2012: LIFE SAFETY CODE, AS ENFORCED BY CMS
	2021	THE JOINT COMMISSION
STATE LAW	2021	GENERAL STATUTES
MUNICIPAL REQUIREMENTS	2021	LOCAL CODES AND ORDINANCES ADOPTED BY MUNICIPALITY

SHEET INDEX

E001 - ELECTRICAL ABBREVIATIONS AND CODES
E002 - ELECTRICAL SYMBOLS
E101 - LEVEL 1 LIGHTING PLAN
E201 - LEVEL 1 POWER AND SIGNAL PLAN
E202 - ROOF POWER PLAN
E400 - SCHEDULES

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *nmartine*
Date: *Sep 29, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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Consultant:
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Greenwood Village, CO 80112
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COLORADO LICENSED JOHN M. HAUGE 0050622 PROFESSIONAL ENGINEER
9/21/2026

IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS

REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	12" = 1'-0"
DRAWN:	MR
REVIEWED:	JG
JOB NUMBER:	2661-00794-00

ELECTRICAL ABBREVIATIONS AND CODES

E001

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

9/21/2026 2:55:15 PM Autodesk Docs://HCA Healthone Aurora SPD Expansion/SO_2661-00794-00_TMCA SPD Renovation_MEP_R25.rvt

ELECTRICAL MOUNTING HEIGHTS

NOTES:
1. MOUNTING HEIGHTS OF ELECTRICAL ITEMS LISTED BELOW SHALL MEASURED FROM FINISHED FLOOR TO CENTERLINE, UNLESS NOTED OTHERWISE OR CODE REQUIRED.
2. CEILING MOUNTED SMOKE DETECTORS SHALL BE INSTALLED 3'-0" MINIMUM TO HVAC SUPPLY DIFFUSER OR EXHAUST GRILLE.
3. CEILING MOUNTED HEAT DETECTORS USED FOR ELEVATOR SHUNT-TRIP SHALL BE INSTALLED 2'-0" MAXIMUM FROM SPRINKLER HEAD
4. RECEPTACLES NOTED WITH AN 'a' IS AT AN ALTERNATE HEIGHT. REFER TO SCHEDULE BELOW. COORDINATE ELEVATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

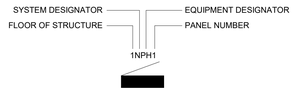
ITEM	HEIGHT ABOVE FINISHED FLOOR
AREA OF RESCUE CALL STATION	48" MAX TO CALL BUTTON
AREA OF RESCUE BASE STATION	48" MAX TO CALL BUTTON
FIRE ALARM CONTROL PANEL	60" MAX TO TOP OF DISPLAY
FIRE ALARM ANNUNCIATOR PANEL	60" MAX TO TOP OF DISPLAY
FIRE ALARM PULL STATION	48" TO OPERATING HANDLE
FIRE ALARM AUDIO/VISUAL DEVICE	80" MIN TO 96" MAX
FIRE ALARM VISUAL DEVICE	80" MIN TO 96" MAX
FIRE ALARM SMOKE DETECTOR	(NOTE #2)
FIRE ALARM HEAT DETECTOR	(NOTE #3)
OVERCURRENT PROTECTION DEVICES	79" MAX TO OPERATING HANDLE
INDIVIDUAL STARTER / DISCONNECT	72" TO TOP OF ENCLOSURE
GROUPED STARTER / DISCONNECT	> 12" TO BOT. OF ENCLOSURE, < 72" TO TOP OF ENCLOSURE
VARIABLE FREQUENCY DRIVE	72" TO TOP OF ENCLOSURE
GENERAL LIGHTING CONTROLS	46"
GENERAL RECEPTACLES - INTERIOR	18"
GENERAL RECEPTACLES - EXTERIOR	24"
GENERAL RECEPTACLES - TV MONITORS	66" - VERIFY WITH ARCHITECT
TOILET ROOM RECEPTACLES - ELEVATED	46" - NO COUNTERTOP
RANGE RECEPTACLE	6"
ABOVE COUNTER RECEPTACLES	6" FROM TOP OF COUNTER
ABOVE COUNTER RECEPTACLES	6" FROM TOP OF BACKSPLASH
NURSE CALL STATION	46"
VIDEO / INTERCOM STATION	46"
ADA PUSH BUTTON	46"
WALL CLOCK	80"
MAGNETIC HOLD OPEN	6" BELOW TOP OF DOOR SLAB
EXIT SIGN	12" ABOVE TOP OF DOOR FRAME
OVERHEAD DOOR CONTROL STATION	46"
-	-
-	-

ELECTRICAL EQUIPMENT IDENTIFICATION

EQUIPMENT DESIGNATION	CODE
AUTOMATIC TRANSFER SWITCH	ATS
MANUAL TRANSFER SWITCH	MTS
DISTRIBUTION POWER PANEL 120/208V	DPL
DISTRIBUTION POWER PANEL 277/480V	DPH
BRANCH CIRCUIT PANELBOARD 120/208V	PL
BRANCH CIRCUIT PANELBOARD 277/480V	PH
SWITCHBOARD	SWBD
SWITCHGEAR	SWGR
TRANSFORMER	T

SYSTEM DESIGNATION	CODE
LIFE SAFETY (NEC 517)	LS
CRITICAL (NEC 517)	C
EQUIPMENT (NEC 517)	EQ
EMERGENCY (NEC 700)	E
LEGALLY REQUIRED (NEC 701)	LR
OPTIONAL STANDBY (NEC 702)	OS
NORMAL	N OR BLANK

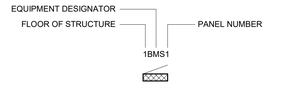
LOCATION DESIGNATION	
BASEMENT, GROUND, FIRST, ETC	B,G,1
NORTH, WEST, SOUTH, EAST	N,W,S,E



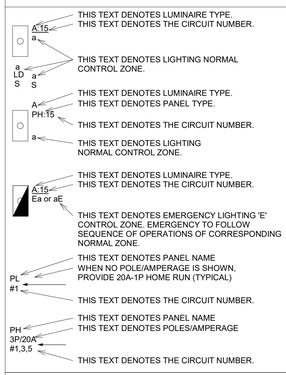
NOTES:
1. AN ADDITIONAL BUILDING SERVICE DESIGNATOR WILL BE ADDED AFTER THE SYSTEM DESIGNATOR IN CASES WITH MULTIPLE SERVICES WITHIN A BUILDING, IE: A - SERVICE A, B - SERVICE B.

SPECIAL PURPOSE EQUIPMENT IDENTIFICATION

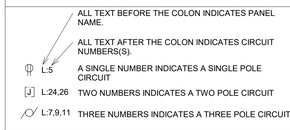
EQUIPMENT DESIGNATION	CODE
BUILDING AUTOMATION/MANAGEMENT SYSTEM	BMS
GENERATOR ANNUNCIATOR	GAA
INVERTER ANNUNCIATOR	IAA
LIGHTING CONTROL HUB/GATEWAY	LCH
SPARE FUSE CABINET	SFC



CIRCUITING (LIGHTING)



CIRCUITING (POWER)



IDENTIFICATION SYMBOLS

- NEW DRAWING NOTE IDENTIFIER
- DEMOLITION DRAWING NOTE IDENTIFIER
- CONTROLS DRAWING NOTE IDENTIFIER
- SPECIALITY EQUIPMENT DRAWING NOTE IDENTIFIER
- POINT OF NEW TO EXISTING CONNECTION
- POINT OF DISCONNECT FROM EXISTING ITEM TO BE DEMOLISHED
- X — SECTION NUMBER
- E-X — REFERENCED DRAWING

SYMBOL LINEWEIGHT LEGEND

- THICK, DARK SOLID LINES INDICATE NEW OR RELOCATED ITEMS OR NEW RACEWAY AND WIRING
- THIN, LIGHT LINES INDICATE EXISTING ITEMS OR RACEWAY TO REMAIN IN PLACE AND BE REUSED
- THICK, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED
- POINT OF NEW TO EXISTING CONNECTION, INCLUDING TRANSITIONS
- EX — SUB LETTERS "EX" INDICATE EXISTING EQUIPMENT TO REMAIN INTACT
- RE — SUB LETTERS "RE" INDICATE EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
- RL — SUB LETTERS "RL" INDICATE EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND RELOCATED
- NL — SUB LETTERS "NL" INDICATE NEW LOCATION OF RELOCATED EQUIPMENT
- NR — SUB LETTERS "NR" INDICATE NEW EQUIPMENT TO REPLACE EXISTING
- RR — SUB LETTERS "RR" INDICATE REMOVE EQUIPMENT AND REPLACE ON NEW SURFACE
- * — * = a,, AF, GF, IG OR TR. WHEN TAGGED IN THE ELECTRICAL SYMBOL LIST, REFER TO THE ABBREVIATION LIST

LUMINAIRES

- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- PENDANT MOUNTED LIGHT FIXTURE
- RECESSED ROUND / SQUARE DOWNLIGHT FIXTURE
- RECESSED ROUND / SQUARE WALL WASH DOWNLIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- LINEAR COVE LIGHT FIXTURE
- RECESSED OR SURFACE-MOUNTED FIXTURE
- LENSED STRIP-LIGHT FIXTURE
- LIGHTING TRACK (NUMBER OF FIXTURES INDICATED ON PLANS)
- CEILING, WALL-MOUNTED OR END MOUNTED EXIT LIGHT FIXTURE
- AR — AREA OF REFUGE SIGN
- AREA OF REFUGE SIGN
- CEILING OR WALL-MOUNTED EMERGENCY LIGHT UNIT
- LIGHT FIXTURE (PART OF EMERGENCY ILLUMINATION SYSTEM)
- SITE / PARKING FIXTURE

LIGHTING DEVICES

- $ — SINGLE-POLE SWITCH
- 3 $ — 3-WAY SWITCH
- 4 $ — 4-WAY SWITCH
- P $ — SINGLE-POLE SWITCH (TOGGLE LIGHTED - LOAD ON)
- D $ — LINE VOLTAGE DIMMER SWITCH
- L $ — LOW VOLTAGE TOGGLE SWITCH
- LD $ — LOW VOLTAGE DIMMER SWITCH
- OS $ — OCCUPANCY SENSOR SWITCH
- OSD $ — OCCUPANCY SENSOR SWITCH WITH DIMMING
- SC $ — SCENE CONTROLLER
- TS $ — TOUCH SCREEN
- VS $ — VACANCY SENSOR SWITCH
- DLC — DIGITAL LIGHTING LOAD CONTROLLER
- RC — ROOM CONTROLLER
- ELR — EMERGENCY LIGHTING RELAY
- ELT — EMERGENCY LIGHTING TRANSFER SWITCH
- WH — WIRELESS LIGHTING CONTROL HUB
- OS OS — OCCUPANCY SENSOR W / POWER PACK (CEILING / WALL)
- OS — DAYLIGHTING SENSOR
- PC — PHOTOCELL
- K $ — SINGLE-POLE KEYED SWITCH
- K3 $ — KEYED, 3-WAY SWITCH
- K4 $ — KEYED, 4-WAY SWITCH
- T $ — SINGLE-POLE TIMER SWITCH
- TC — TIME CLOCK
- EMERGENCY OFF SWITCH WITH COVER
- MX $ — MOTOR RATED SWITCH (TOGGLE TYPE)
- MS $ — MOTOR STARTER SWITCH (TOGGLE TYPE)

POWER

- POWER WIRING
- SWITCH LEG WIRING
- CONTROL WIRING
- XXX — WIRING - REFER TO ABBREVIATION LIST (XXX)
- EHC — ELECTRIC HEATING CABLE
- FEEDER TAG
- SURFACE ELECTRICAL PANEL, 480Y/277 OR 480 VOLT
- SURFACE ELECTRICAL PANEL, 208Y/120 OR 208 VOLT
- SURFACE SPECIAL-PURPOSE PANEL OR CABINET
- FLUSH ELECTRICAL PANEL, 480Y/277 VOLT
- FLUSH ELECTRICAL PANEL, 208Y/120 VOLT
- FLUSH SPECIAL-PURPOSE PANEL OR CABINET
- I — TRANSFORMER
- NON-FUSED ENCLOSED SWITCH
- FUSED ENCLOSED SWITCH
- ELECTRIC MOTOR

WIRING DEVICES

- J — JUNCTION BOX
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE SPLIT WIRED
- DUPLEX RECEPTACLE ON GENERATOR POWER
- DOUBLE DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE SPLIT WIRED
- DOUBLE DUPLEX RECEPTACLE ON GENERATOR POWER
- SINGLE RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH EQUIPMENT
- SPECIAL PURPOSE RECEPTACLE ON GENERATOR POWER; VERIFY NEMA CONFIGURATION WITH EQUIPMENT
- DUPLEX GROUND FAULT RECEPTACLE
- DUPLEX GROUND FAULT RECEPTACLE ON GENERATOR POWER
- DOUBLE DUPLEX GROUND FAULT RECEPTACLE
- DOUBLE DUPLEX GROUND FAULT RECEPTACLE ON GENERATOR POWER
- DUPLEX DUAL-CONTROLLED RECEPTACLE
- DUPLEX SPLIT-CONTROLLED RECEPTACLE
- DOUBLE DUPLEX DUAL-CONTROLLED RECEPTACLE
- DOUBLE DUPLEX SPLIT-CONTROLLED RECEPTACLE
- DUPLEX ARC FAULT RECEPTACLE
- DUPLEX ARC FAULT RECEPTACLE ON GENERATOR POWER
- CR — CEILING MOUNTED DUPLEX RECEPTACLE
- CEILING MOUNTED RECEPTACLE CORD REEL
- FB-X — FLOOR SERVICE FITTING WITH OUTLET(S); REFER TO SCHEDULE (X)
- PT-X — POKE-THRU ASSEMBLY WITH OUTLET(S); REFER TO SCHEDULE (X)
- TV-X — TELEVISION RECESSED WALL BOX. REFER TO SCHEDULE (X)
- SURFACE MOUNTED FACTORY PRE-WIRED MULTI-OUTLET RACEWAY
- SURFACE MOUNTED RACEWAY. SEE PLANS OR SCHEDULE FOR QUANTITY OF DEVICES
- WALL BOX WITH PLATE FOR FURNITURE POWER WITH WHIP CONNECTIONS
- PP — PUSH PLATE
- E — CALL-FOR-AID SWITCH W/ CORD
- CALL-FOR-AID LIGHT AND BUZZER
- TP-X — TELE-POWER POLE WITH OUTLET(S); REFER TO SCHEDULE (X)
- CB-X — CEILING BOX ASSEMBLY WITH OUTLET(S); REFER TO SCHEDULE (X)
- TB-X — TABLE BOX WITH OUTLET(S); REFER TO SCHEDULE (X)
- FURNITURE PARTITION WHIP CONNECTION
- WALL CLOCK WITH HANGER TYPE OUTLET OR BATTERY OPERATED CLOCK. REFER TO SPECIFICATIONS.

FIRE ALARM

- SS SA — SMOKE ALARM - 120V
- SS CA — CARBON MONOXIDE ALARM - 120V
- SS CSA — COMBINATION CARBON MONOXIDE ALARM - 120V
- # S — SMOKE DETECTOR
- # SD — DUCT SMOKE DETECTOR
- # H — HEAT DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- # G — GAS DETECTOR
- # F — FLAME DETECTOR
- CM — COMBINATION CARBON MONOXIDE AND SMOKE ALARM
- # SD — SMOKE DAMPER
- # FA — FIRE/SMOKE DAMPER ADDRESSABLE INTERFACE MODULE
- DH — MAGNETIC DOOR HOLD OPEN
- F — MANUAL PULL STATION
- RT — REMOTE TEST SWITCH INDICATOR
- KB — FIRE DEPARTMENT KEY BOX
- # AIM — ADDRESSABLE INTERFACE MODULE
- # M — ISOLATION MODULE
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- LP — LOW PRESSURE SWITCH
- PIV — POST INDICATOR VALVE
- FACU — FIRE ALARM CONTROL UNIT
- FAA — FIRE ALARM ANNUNCIATOR
- AMP — FIRE ALARM VOICE COMMUNICATION AMPLIFICATION UNIT
- NAC — FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT BOOSTER PANEL
- FADC — FIRE ALARM DOCUMENT CABINET
- DACT — DIGITAL ALARM TRANSMITTER
- FAC ANT — FIRE ALARM COMMUNICATION REMOTE ANTENNA
- ASDP — AIR SAMPLING DETECTION PANEL
- F — FIREFIGHTER'S TELEPHONE JACK
- ERCS — EMERGENCY RESPONDER COMMUNICATION SYSTEM
- ERCS ANT — EMERGENCY RESPONDER COMMUNICATION SYSTEM EXTERIOR DONOR ANTENNA
- H — WALL MOUNTED HORN
- H ## — WALL MOUNTED HORN/STROBE
- ## — WALL MOUNTED STROBE
- H — CEILING MOUNTED HORN
- H ## — CEILING MOUNTED HORN/STROBE
- ## — CEILING MOUNTED STROBE
- S — WALL MOUNTED SPEAKER
- S ## — WALL MOUNTED SPEAKER/STROBE
- S — CEILING MOUNTED SPEAKER
- S ## — CEILING MOUNTED SPEAKER/STROBE
- ## — ## = INDICATES CANDELA WHEN TAGGED. IF NOT TAGGED, REFER TO SPECIFICATIONS FOR PERFORMANCE REQUIREMENTS.
- AHU — SUB LETTERS "AHU" INDICATE AIR HANDLING UNIT
- BR — SUB LETTERS "BR" INDICATE BEAM DETECTOR RECEIVER
- BT — SUB LETTERS "BT" INDICATE BEAM DETECTOR TRANSMITTER
- CFD — SUB LETTERS "CFD" INDICATE COILING FIRE DOOR
- DH — SUB LETTERS "DH" INDICATE MAGNETIC DOOR HOLD OPEN
- DRI — SUB LETTERS "DRI" INDICATE DIMMING RACK INTERFACE - LIGHTING
- ER — SUB LETTERS "ER" INDICATE ELEVATOR RECALL SMOKE DETECTOR
- EXP — SUB LETTERS "EXP" INDICATE EXPLOSION PROOF
- F — SUB LETTERS "F" INDICATE FIXED TEMPERATURE - 135 DEGREES
- FSD — SUB LETTERS "FSD" INDICATE COMBINATION FIRE/SMOKE DAMPER
- FSS — SUB LETTERS "FSS" INDICATE FIRE SUPPRESSION SYSTEM
- R — SUB LETTERS "R" INDICATE RATE OF RISE
- SD — SUB LETTERS "SD" INDICATE SMOKE DAMPER
- SS — SUB LETTERS "SS" INDICATE NON-SYSTEM STATION
- SSI — SUB LETTERS "SSI" INDICATE SOUND SYSTEM INTERFACE
- WP — SUB LETTERS "WP" INDICATE WEATHERPROOF

FIRE PROTECTION

- ELECTRIC ALARM BELL
- FVC — FIRE VALVE CABINET
- BACKFLOW PREVENTER ASSEMBLY OR BACKFLOW PREVENTER WITH TAMPER SWITCHES
- DOUBLE CHECK VALVE ASSEMBLY OR DOUBLE CHECK VALVE ASSEMBLY WITH TAMPER SWITCHES
- POST INDICATOR VALVE WITH TAMPER SWITCH
- PRESSURE SWITCH
- FLOW SWITCH
- LOW PRESSURE SWITCH
- OS&Y WITH TAMPER SWITCH ON PIPE RISE
- BUTTERFLY VALVE WITH TAMPER SWITCH
- OS&Y VALVE WITH TAMPER SWITCH
- AC — AIR COMPRESSOR
- CAP — CLEAN AGENT PANEL
- NG — NITROGEN GENERATOR
- PAP — PRE-ACTION PANEL
- FPC — FIRE PUMP CONTROLLER
- JPC — JOCKEY PUMP CONTROLLER
- WET ALARM CHECK VALVE OR ALARM CHECK VALVE WITH TAMPER AND PRESSURE SWITCHES
- PREACTION ALARM CHECK VALVE OR PREACTION VALVE WITH CONTROL PANEL
- DRY CHEMICAL OR CLEAN AGENT SYSTEM
- AC — DRY ALARM CHECK VALVE OR DRY PIPE VALVE WITH COMPRESSOR, TAMPER SWITCH AND HIGH AND LOW PRESSURE SWITCHES

PLUMBING

- M — WATER METER ASSEMBLY
- M — GAS METER ASSEMBLY
- ETP — ELECTRONIC TRAP PRIMER
- PUMP

HVAC

- SMOKE DAMPER WITH DUCT SMOKE DETECTION AND ASSOCIATED DEVICES PER SPECIFICATIONS AND MEP DETAILS
- COMBINATION FIRE / SMOKE DAMPER WITH DUCT SMOKE DETECTION
- MOTORIZED DAMPER
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- DSD — DUCT SMOKE DETECTOR WITH REMOTE INDICATING LIGHT AND TEST SWITCH

TELECOMMUNICATIONS

- DATA OUTLET

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: nmartine
Date: Sep 29, 2026
2021 INTERNATIONAL CODES & 2026 NEC

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9/21/2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	As indicated
DRAWN:	MR
REVIEWED:	JG
JOB NUMBER:	2661-00794-00

ELECTRICAL SYMBOLS

E002

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://HCA Healthone Aurora SPD Expansion/5O_2661-00794-00_TMCA SPD Renovation_MEP_R25.rvt

9/21/2026 2:55:16 PM

RSN: 2005238 | PERMIT #2026 2656467

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	TMCA SPD Renovation
Location:	Aurora, Colorado
Climate Zone:	5b
Project Type:	Alteration
Project No:	171079
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site:
1501 South Potomac Street
Aurora , Colorado 80012

Owner/Agent:

Designer/Contractor:
Salas O'Brien
9250 E Costilla Ave Ste 220
Greenwood Village , Colorado 80112
3032256320

Notes:

Building Area

Description	Floor Area
1-Hospital (Hospital) : Nonresidential	743

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	TMCA SPD Renovation
Location:	Aurora, Colorado
Climate Zone:	5b
Project Type:	Alteration

Construction Site:
1501 South Potomac Street
Aurora , Colorado 80012

Owner/Agent:

Designer/Contractor:
Salas O'Brien
9250 E Costilla Ave Ste 220
Greenwood Village , Colorado 80112
3032256320

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Instrument Storage Room (Healthcare Facility:Medical Supply)	100	0.62	62
2-Decontamination (Healthcare Facility:Medical Supply)	643	0.62	399
Total Allowed Watts:			**713**

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Instrument Storage Room (Healthcare Facility:Medical Supply)			
CPANL: CPANL: LED:	2	21.6	43.2
2-Decontamination (Healthcare Facility:Medical Supply)			
CPANL: CPANL: LED:	9	21.6	194.4
ZL1N: ZL1N: LED:	3	25	75
Total Proposed Watts:			**312.6**

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Instrument Storage Room (Healthcare Facility:Medical Supply)	
CPANL: CPANL: LED:	Occupancy Sensor, Manual Control
2-Decontamination (Healthcare Facility:Medical Supply)	
CPANL: CPANL: LED:	Manual Control
ZL1N: ZL1N: LED:	Manual Control

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck-Web and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 5% 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.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4]*	Plans, specifications, and/or calculations provide all information with sufficient detail to be determined for each 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 Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E101

Additional Comments/Assumptions:

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

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22]*	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.7 [EL26]*	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.8 [EL27]*	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(5). Motors certified under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.9.1, C405.9.2 [EL28]*	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.10 [EL29]*	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.1.1 [EL30]*	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.11, C405.11.1 [EL31]*	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 20% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1, C405.2.1.1 [EL18]*	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions per the exception language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1.2 [EL19]*	Occupancy sensors control function in warehouses. In warehouses, the lighting is controlled with occupancy sensors configured with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.3 [EL20]*	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft., 2) configured so that general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 50% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.2, C405.2.2.1 [EL21]*	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.4, C405.2.4.1, C405.2.4.2 [EL25]*	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.5 [EL27]*	Additional interior lighting power allowed for specific tasks over the approved lighting power and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

Final Inspection

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 Comply ☐ Not Observable ☐ Not Applicable	
C408.1.1 [FI57]*	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5 [FI16]*	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33]*	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *nmartine*
Date: *Sep 29, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

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PROFESSIONAL ENGINEER
9/21/2026

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

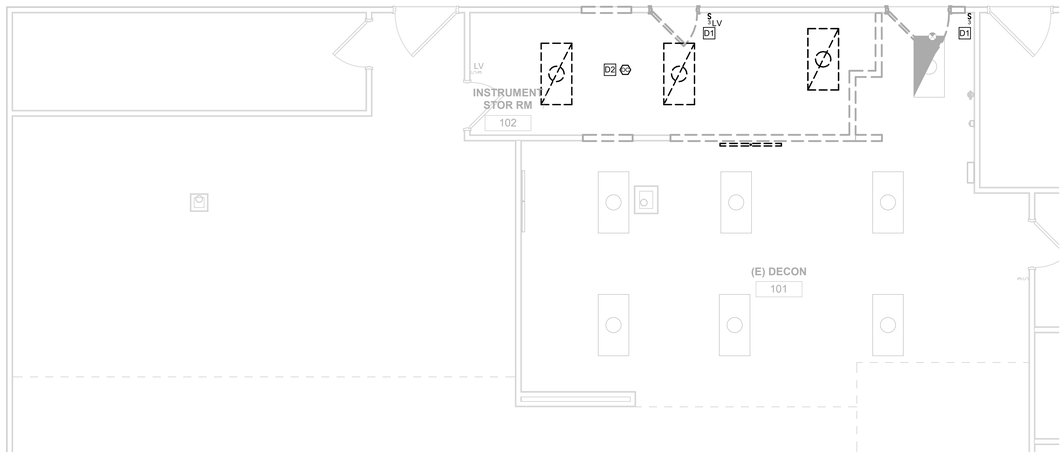
REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	
DRAWN:	MR
REVIEWED:	JG
JOB NUMBER:	2661-00794-00

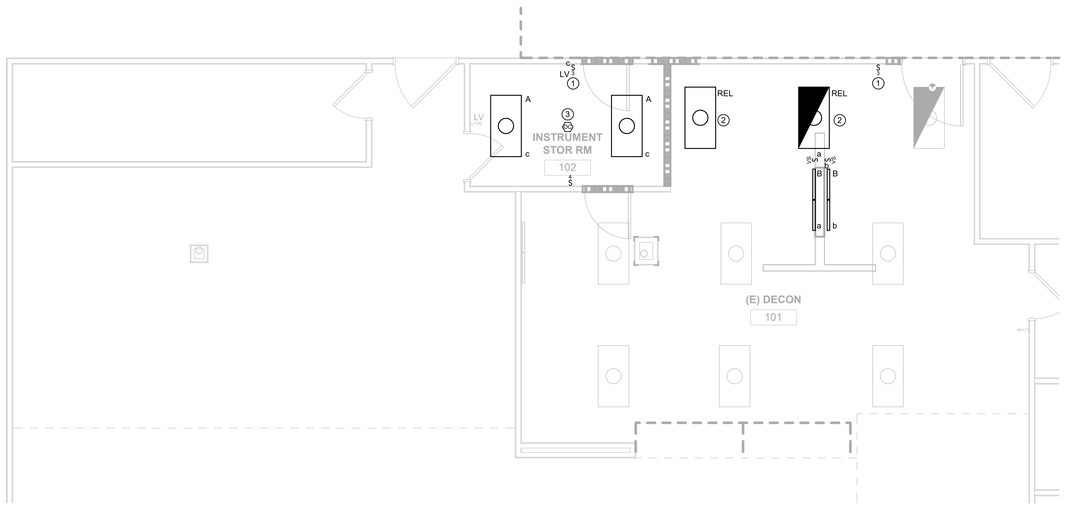
COMCHECK

E003

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.
Autodesk Docs://HCA Healthone Aurora SPD Expansion/5O_2661-00794-00_TMCA SPD Renovation_MEP_R25.rvt
9/21/2026 2:55:17 PM



1 PARTIAL FIRST FLOOR LIGHTING DEMOLITION PLAN
1/4" = 1'-0"



2 PARTIAL FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES ON SHEETS E001 AND E002.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUIT IN THE SPD.
3. FIXTURES LABELED "REL" ARE DEMO'D FIXTURES TO BE RELOCATED AND RE-USED.
4. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E400.

LIGHTING DEMOLITION KEYED NOTES:

D1 REMOVE EXISTING LIGHT SWITCH. EXISTING LIGHTING CONTROL WIRING THROUGHOUT SPD SHALL REMAIN OPERATIONAL.

D2 SALVAGE EXISTING OCCUPANCY SENSOR FOR RELOCATION.

LIGHTING KEYED NOTES:

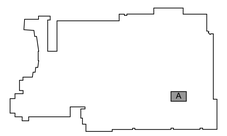
1 EXTEND EXISTING LIGHTING CONTROL WIRING AND INSTALL NEW LIGHT SWITCH IN NEW LOCATION. VERIFY EXISTING CONTROL WIRING CONFIGURATION PRIOR TO ORDERING NEW WIRING DEVICE.

2 WIRE RELOCATED LIGHTING FIXTURES TO DECON LIGHTING BRANCH CIRCUIT AND CONTROL.

3 RE-USE SALVAGED CEILING OCCUPANCY SENSOR.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *nmartine*
Date: *Sep 29, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

KEY PLAN



LEVEL 1

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SPD EXPANSION

HCA HEALTHONE AURORA

1501 SOUTH POTOMAC STREET
AURORA, CO 80012

AUTHORITY HAVING JURISDICTION:
CITY OF AURORA, CDPH, FGI PLAN REVIEW
CDPS, DIVISION OF FIRE PREVENTION & CONTROLS

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:
2740000052

AGENCY APPROVALS:

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2026/09/21
SCALE:	1/4" = 1'-0"
DRAWN:	MR
REVIEWED:	JG
JOB NUMBER:	2661-00794-00

LEVEL 1 LIGHTING PLAN

E101

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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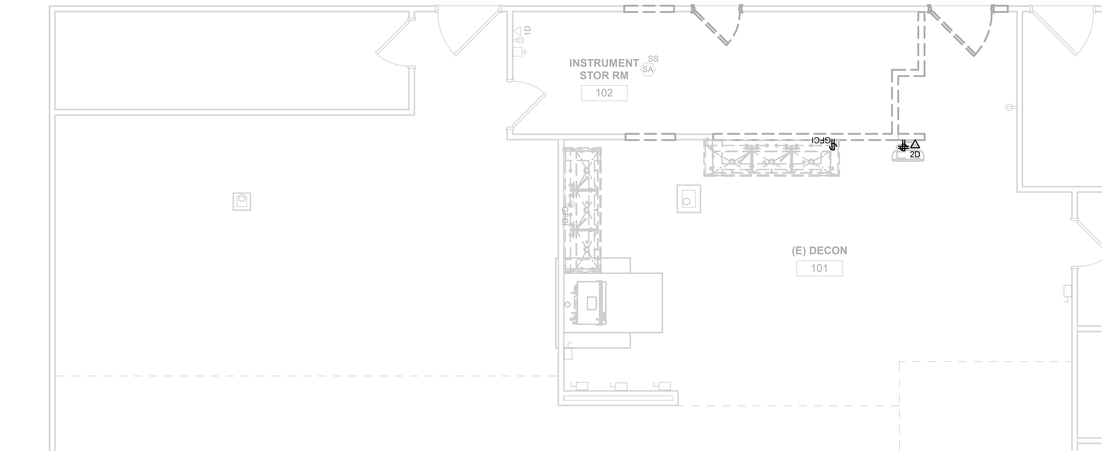
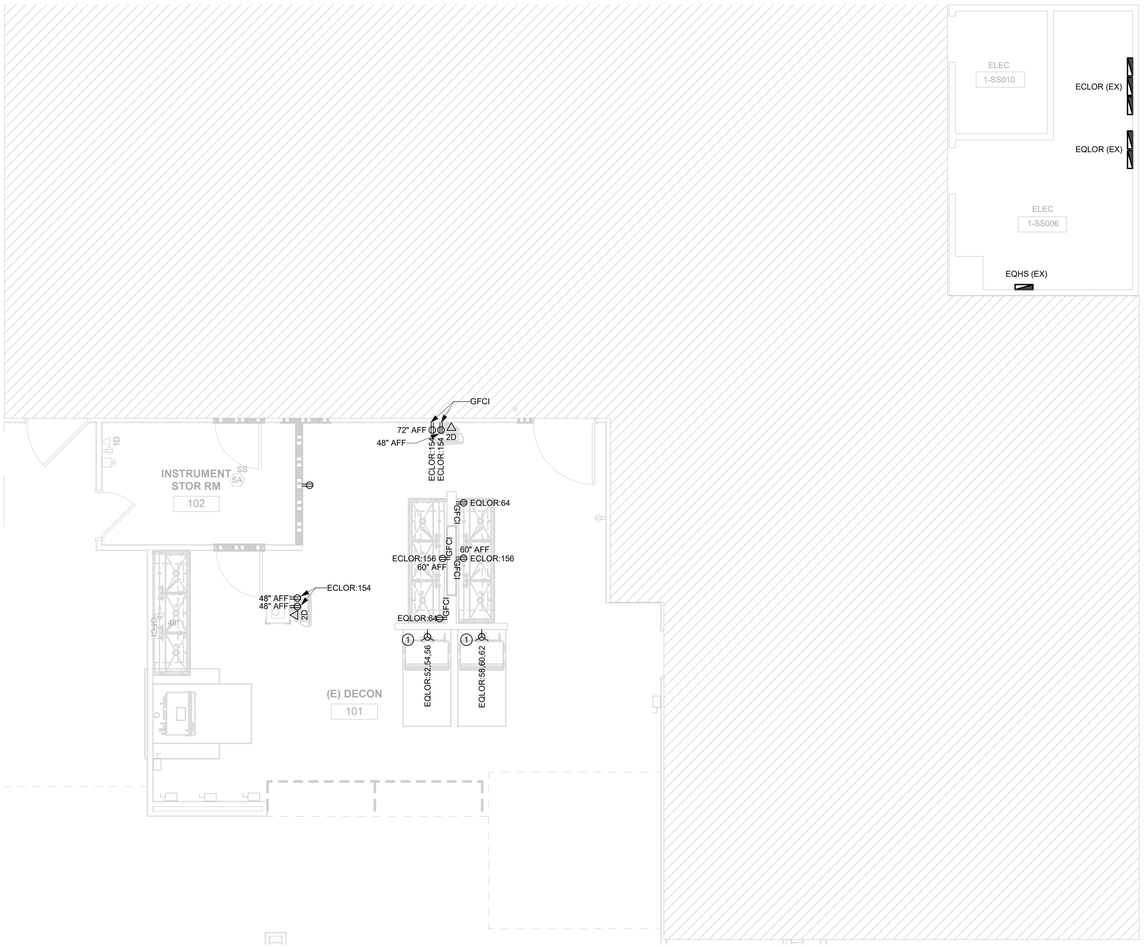


1 PARTIAL FIRST FLOOR POWER AND SIGNAL DEMOLITION PLAN
1/4" = 1'-0"



2 PARTIAL FIRST FLOOR POWER AND SIGNAL PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES ON SHEETS E001 AND E002.
2. REFER TO PANEL SCHEDULES AND MOTOR/EQUIPMENT SCHEDULE ON SHEET E400.
3. CIRCUIT NUMBERS ARE SHOWN FOR DESIGN INTENT ONLY. CONFIRM AVAILABLE CIRCUITS IN EXISTING PANELBOARDS.
4. TEMPORARILY REMOVE CEILING MOUNTED FIRE ALARM DEVICES. EXTEND CABLING AND RACEWAY AS REQUIRED AND RE-INSTALL IN NEW CEILING. WORK SHALL BE PERFORMED BY HOSPITAL FIRE ALARM MAINTENANCE CONTRACTOR.

KEYED NOTES:

1 PROVIDE NEMA L15-20R WITH 3#10, 1#10G, 1"C FOR ULTRASONIC WASHER. CONFIRM RECEPTACLE TYPE WITH VENDOR PRIOR TO PROCUREMENT OF WIRING DEVICE.

Provide Ground-Fault-Circuit-Interrupter Protection per **2026 NEC 210.8(A) through (F)**

Receptacles shall comply with **2026 NEC 210.8(B)** for GFCI protection

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *nmartine*
Date: *Sep 29, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

KEY PLAN

Devenney Group Ltd., Architects

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COLORADO LICENSED
JOHN M. HAUGEN
050622
PROFESSIONAL ENGINEER
9/21/2026

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AGENCY APPROVALS:

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JOB NUMBER:	2661-00794-00

LEVEL 1 POWER AND SIGNAL PLAN

E201

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1 PARTIAL ROOF POWER PLAN
1" = 30'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES ON SHEETS E001 AND E002.
2. REFER TO PANEL SCHEDULES AND MOTOR/EQUIPMENT SCHEDULE ON SHEET E400.

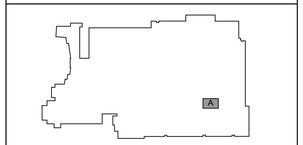
KEYED NOTES:

1 PROVIDE MAINTENANCE WEATHERPROOF GFI RECEPTACLE MOUNTED TO UNISTRUT FRAME WITHIN 25' OF EXHAUST FAN.

A 125-volt, single-phase, 15- or 20-ampere-rated receptacle outlet shall be installed at an accessible location within 25 ft. of the equipment as specified in **2026 NEC 210.63(A) and (B).**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *amartine*
Date: *Sep 29, 2026*
2021 INTERNATIONAL CODES & 2026 NEC

KEY PLAN



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COLORADO LICENSED JOHN M. HAUGH PROFESSIONAL ENGINEER 0050622

9/21/2026

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REVIEWED:	JG
JOB NUMBER:	2661-00794-00

ROOF POWER PLAN

E202

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PANEL DESIGNATION: ECLOR SEC 3 (EX) LOCATION: ELEC 1-SS006 MOUNTING: **SURFACE** FAULT DUTY: 10,000
MLO: X MAIN: BUS: 250A VOLTS: **208/120** PHASE: 3 WIRE: 4

EQUIPMENT DESCRIPTION	DMD	WATTS A	WATTS B	WATTS C	BRKR SIZE			BRKR SIZE	WATTS A	WATTS B	WATTS C	DMD	EQUIPMENT DESCRIPTION
OR 7 & 8 MONITORS AND ILLUMINATORS (EX)	G				20/1	109	110	20/1				G	PLUG MOLD, STORAGE BY OR 1 (EX)
LTG OR7 (EX)	G				20/1	111	112	20/1				G	OR 9 TECH ROOM (EX)
LTG CORRIDOR SS044 (EX)	G				20/1	113	114	20/1				G	OR 9 TECH ROOM (EX)
OR 7 & 8 PUMP RM, SUB STERIAL LTG (EX)	G				20/1	115	116	20/1				G	OR 9 TECH ROOM (EX)
OR 9 CONTROL ROOM (EX)	G				20/1	117	118	20/3				G	LTG OR 2 (EX)
OR 9 CONTROL ROOM (EX)	G				20/1	119	120					G	RECP PACU 1100 (EX)
OR 9 CONTROL ROOM (EX)	G				20/1	121	122					G	OR 9 TECH ROOM (EX)
L14-30R IT BY SOUTH MRI (EX)	G				30/2	123	124	20/3				G	RECP PACU 1100 (EX)
	G					125	126					G	PDC MRI LTG (EX)
L14-30R IT BY SOUTH MRI (EX)	G				30/2	127	128					G	RECP PACU 1100 (EX)
	G					129	130	20/1				G	STRYKER INTEGRATION (EX)
COMM ROOM 1100 (EX)	G				20/1	131	132	20/1				G	STRYKER INTEGRATION (EX)
COMM ROOM 1100 (EX)	G				20/1	133	134	20/1				G	STRYKER INTEGRATION (EX)
COMM ROOM 1100 (EX)	G				20/1	135	136	20/1				G	STRYKER INTEGRATION (EX)
COMM ROOM 1100 (EX)	G				20/1	137	138	20/1				G	STRYKER INTEGRATION (EX)
UNKNOWN LOAD (EX)	G				20/1	139	140	20/1				G	LTG SS004 AND SS005 (EX)
COMM ROOM 1100 (EX)	G				20/1	141	142	20/1				G	STRYKER INTEGRATION (EX)
COMM ROOM 1100 (EX)	G				20/1	143	144	20/1				G	RECP CORRIDOR 1007 (EX)
COMM ROOM 1100 (EX)	G				20/1	145	146	30/2				G	L14-30R COMM 1100 (EX)
COMM ROOM 1100 (EX)	G				20/1	147	148					G	
UNKNOWN LOAD (EX)	G				20/1	149	150	30/2				G	L14-30R COMM 1100 (EX)
UNKNOWN LOAD (EX)	G				20/1	151	152					G	
UNKNOWN LOAD (EX)	G				20/1	153	154	20/1		600		R	**SPD COMPUTER (NOTE 3)**
SPARE (EX)	G				20/1	155	156	20/1			360	R	**SPD MAY OP SCOT RECP (NOTE 3)**
SPARE (EX)	G				20/1	157	158	20/1				G	SPARE (EX)
SPARE (EX)	G				20/1	159	160	20/1				G	SPARE (EX)
SPARE (EX)	G				20/1	161	162	20/1				G	SPARE (EX)
SPARE (EX)	G				20/1	163	164	20/1				G	SPARE (EX)

TOTAL "A"	0			0	0		1.0 CONN.KVA
TOTAL "B"		0		600		600	2.7 CONN. AMPS
TOTAL "C"			0	360		360	1.0 DEMAND KVA
TOTAL "A,B,C "				960 CONN.			2.7 DEMAND AMPS
				960 DEMAND			1.0 DESIGN KVA

NOTES:
1. BOLD TEXT INDICATES NEW WORK.
2. LOADS INDICATE NEW OR MODIFIED LOADS.
3. UTILIZE EXISTING SPARE CIRCUIT BREAKERS TO FEED NEW EQUIPMENT.

PANEL DESIGNATION: EQLOR SEC 2 (EX) LOCATION: ELEC 1-SS006 MOUNTING: **SURFACE** FAULT DUTY: 10,000
MLO: X MAIN: BUS: 150A VOLTS: **208/120** PHASE: 3 WIRE: 4

EQUIPMENT DESCRIPTION	DMD	WATTS A	WATTS B	WATTS C	BRKR SIZE			BRKR SIZE	WATTS A	WATTS B	WATTS C	DMD	EQUIPMENT DESCRIPTION
V. PED MACHINE CENTRAL STERIL (EX)	G				20/3	43	44	20/1				G	STERRAD EQUIPMENT (EX)
	G					45	46	20/1				G	STERILIZER #3 (EX)
	G					47	48	20/1				G	STERILIZER #2 (EX)
V. PED MACHINE CENTRAL STERIL (EX)	G				20/3	49	50	20/1				G	STERILIZER #1 (EX)
	G					51	52	20/3		1000		G	
	G					53	54				1000	G	**SPD ULTRASONIC WASHER #1 (NOTE 3)**
UNKNOWN LOAD (EX)	G				30/2	55	56		1000			G	
	G					57	58			1000		G	
SPARE (EX)	G				20/1	59	60	20/3			1000	G	**SPD ULTRASONIC WASHER #2 (NOTE 3)**
SPARE (EX)	G				20/1	61	62		1000			G	
30A SPLIT SYSTEM COMM 1000 (EX)	G				30/2	63	64	20/1		720		G	**SPD SINK TABLE MOTOR RECPT (NOTE 3)**
	G					65	66	20/1				G	SPARE (EX)
30A SPLIT SYSTEM COMM 1000 (EX)	G				30/2	67	68	20/1				G	SPARE (EX)
	G					69	70	20/1				G	SPARE (EX)
EF-1 (EX)	G				20/1	71	72	20/1				G	SPARE (EX)
VAV OR 12, 13, RM 1002, 1003, 1004, COOR 1008, 1009 (EX)	G				20/1	73	74	20/1				G	SPARE (EX)
FCU-1 FOR THIS E ROOM (EX)	G				20/1	75	76	20/1				G	SPARE (EX)
FSD FOR OR 12, 13 AREA (EX)	G				20/1	77	78	20/1				G	SPARE (EX)
DPA, INFRONT OF OR 12, 13 (EX)	G				20/1	79	80	30/3				G	TVSS IN SEC 1 (EX)
FSD FOR OR 12, 13 AREA (EX)	G				20/1	81	82					G	
SPARE (EX)	G				20/1	83	84					G	

TOTAL "A"	0			2000	2000		6.7 CONN.KVA
TOTAL "B"		0		2720		2720	18.7 CONN. AMPS
TOTAL "C"			0	2000		2000	6.7 DEMAND KVA
TOTAL "A,B,C "				6720 CONN.			18.7 DEMAND AMPS
				6720 DEMAND			6.7 DESIGN KVA

NOTES:
1. BOLD TEXT INDICATES NEW WORK.
2. LOADS INDICATE NEW OR MODIFIED LOADS.
3. UTILIZE EXISTING SPARE CIRCUIT BREAKERS TO FEED NEW EQUIPMENT.

LOAD SUMMARY	EQLOR	
EXISTING LOAD (RECORD DRAWINGS)	21.29	KVA
EXISTING LOAD X 1.25	26.61	KVA
DEMOLISHED LOAD	0.0	KVA
ADDED LOAD	6.72	KVA
NET TOTAL LOAD	28.01	KVA
	77.8	AMPS
PANELBOARD RATING	150	AMPS

PANEL DESIGNATION: EQHS #1 (EX) LOCATION: ELEC 1-SS006 MOUNTING: **SURFACE** FAULT DUTY: 42,000
MLO: X MAIN: BUS: 600A VOLTS: **480/277** PHASE: 3 WIRE: 4

EQUIPMENT DESCRIPTION	DMD	WATTS A	WATTS B	WATTS C	BRKR SIZE			BRKR SIZE	WATTS A	WATTS B	WATTS C	DMD	EQUIPMENT DESCRIPTION
AIR COMPRESSOR (EX)	G				80/3	1	2	25/3				G	CART WASH (EX)
	G					3	4					G	
	G					5	6					G	
T-EQLOR (EX)	G				100/3	7	8	15/3				G	STERILIZER (EX)
	G					9	10					G	
	G					11	12					G	
STERILIZER (EX)	G				15/3	13	14	40/3				G	RTU3 SUPPLY (EX)
	G					15	16					G	
	G					17	18					G	
STERILIZER (EX)	G				15/3	19	20	15/3				G	RTU3 RETURN (EX)
	G					21	22					G	
	G					23	24					G	
EF-20 (EX)	G				15/3	25	26	100/3				G	ACC 1 (EX)
	G					27	28					G	
	G					29	30					G	
STERILIZER (EX)	G				35/3	31	32	65/3				G	EQGT (EX)
	G					33	34					G	
	G					35	36					G	
DECON (EX)	G				25/3	37	38	35/3				G	DI WATER (EX)
	G					39	40					G	
	G					41	42					G	
DECON (EX)	G				25/3	43	44	20/3				G	RO WATER (EX)
	G					45	46					G	
	G					47	48					G	
OR9 CRAC (EX)	G				15/3	49	50					G	FEED FOR SEC. 2 (EX)
	G					51	52					G	
	G					53	54					G	
IEF-3 (NOTE 3)	G	1353			20/3	55	56					G	FEED FOR SEC. 2 (EX)
	G		1353			57	58					G	
	G			1353		59	60					G	
EF-2 (EX)	G				20/3	61	62					G	
	G					63	64					G	
	G					65	66					G	

TOTAL "A"	1353			1353	0		4.1 CONN.KVA
TOTAL "B"		1353		1353		0	4.9 CONN. AMPS
TOTAL "C"			1353	1353		0	4.1 DEMAND KVA
TOTAL "A,B,C "				4059 CONN.			4.9 DEMAND AMPS
				4059 DEMAND			4.1 DESIGN KVA

NOTES:
1. BOLD TEXT INDICATES NEW WORK.
2. LOADS INDICATE NEW OR MODIFIED LOADS.
3. REPLACE 15A/3P CIRCUIT BREAKER FEEDING IEF-3 WITH A 20A/3P CIRCUIT BREAKER. MATCH EXISTING PANELBOARD MANUFACTURER AND AIC RATING. RETURN EXISTING DEMOLISHED CIRCUIT BREAKER TO FACILITIES TO BE SALVAGED OR DISCRADED AT THEIR DISCRETION.

MOTOR/EQUIPMENT SCHEDULE

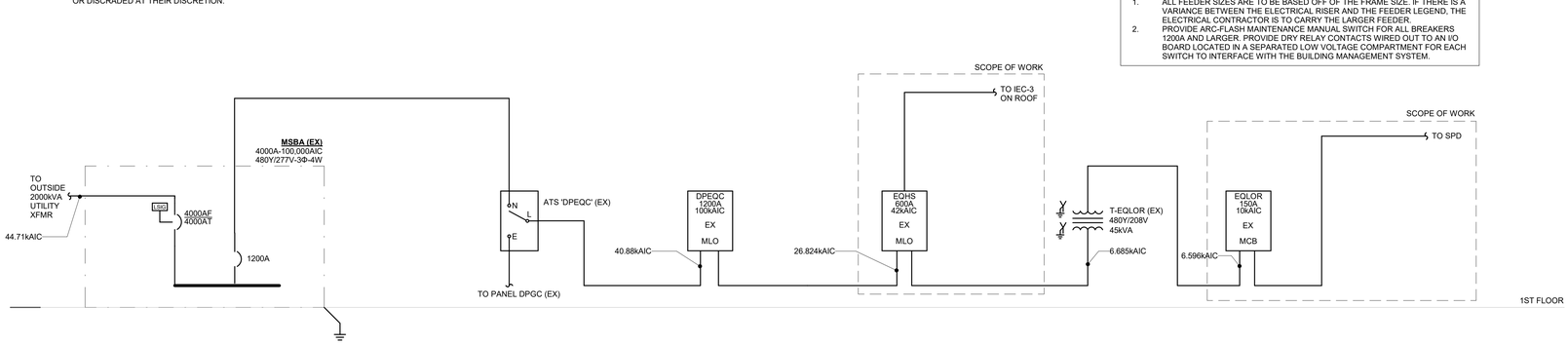
TAG	DESCRIPTION	LOCATION	ELECTRICAL RATING KW	FLA*	HP	VOLT	PH	FEEDER/SOURCE PANEL	CCT	OCPD	WIRING	DISCONNECT INTEGRAL	BY EC	STARTER SIZE	TYPE	NOTES
IEF-3	EXHAUST FAN	ROOF		11	7.5	480	3	EQHS #1	55,57,59	20A/3P	3#12, 1#12G, 3/4"C	X	-	VFD	-	1,2

NOTES:
1. COORDINATE EXACT EQUIPMENT REQUIREMENTS WITH OTHER TRADES PRIOR TO ROUGH-IN AND INSTALLATION.
2. RE-USE EXISTING FEEDER CONDUCTORS TO FEED NEW EXHAUST FAN.

LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	LAMP TYPE/CRI-CT	FIXTURE VOLT	FIXTURE WATTS	MANUFACTURER	ITEM NUMBER	REMARKS
A	2X4 LED TROFFER W/ DRYWALL GRID ADAPTER	LED/80-3500	MVOLT	21.6	LITHONIA	CPANL-2X4-AL06-SWW7-M2-DGA24	NOTES-1,2,3
B	4' LED STRIPLIGHT W/ Z SPRING HANGER	LED/80-3500	MVOLT	25	LITHONIA	ZL1N-L48-3000LM-FST-MVOLT-35K-80CRI-WH-ZSPRG J2	NOTES-1,2

NOTES:
1. MANUFACTURERS' CATALOG NUMBERS ARE INTENTIONALLY INCOMPLETE; COORDINATE TRIM KITS, MOUNTING BRACKETS, LAMPS, FINISHES, ETC. WITH THE ARCHITECT, CONTRACT DOCUMENTS, SPECIFICATIONS, AND OTHER TRADES.
2. VERIFY TYPE OF CEILING OR WALL FOR MOUNTING OF LIGHTING FIXTURES PRIOR TO ORDERING.
3. USE SELECTABLE LIGHT LEVEL AND COLOR TEMPERATURE TO MATCH EXISTING FIXTURES.



6 PARTIAL ONELINE DIAGRAM
NOT TO SCALE

ELECTRICAL RISER GENERAL NOTES

1. ALL FEEDER SIZES ARE TO BE BASED OFF OF THE FRAME SIZE. IF THERE IS A VARIANCE BETWEEN THE ELECTRICAL RISER AND THE FEEDER LEGEND, THE ELECTRICAL CONTRACTOR IS TO CARRY THE LARGER FEEDER.
2. PROVIDE ARC-FLASH MAINTENANCE MANUAL SWITCH FOR ALL BREAKERS 1200A AND LARGER. PROVIDE DRY RELAY CONTACTS WIRED OUT TO AN I/O BOARD LOCATED IN A SEPARATED LOW VOLTAGE COMPARTMENT FOR EACH SWITCH TO INTERFACE WITH THE BUILDING MANAGEMENT SYSTEM.

Every circuit and circuit modification shall be legibly identified as to its clear and specific purpose or use. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others.
2026 NEC 408.4

Provide a Grounding Electrode System bonded to the service equipment enclosure, grounded conductors, and grounded electrode conductors per 2026 NEC 250.50 and 250.104

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REVIEWED:	Checker
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SCHEDULES AND ONELINE

E400

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

Autodesk Docs://HCA Healthone Aurora SPD Expansion/SO_2661-00794-00_TMCA SPD Renovation_MEP_R25.rvt
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STERIS drawings do not supersede the drawings from the architect of record.

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STERIS

HCA HEALTHONE AURORA REGIONAL MEDICAL CENTER
AURORA, COLORADO

DRAWING INDEX

00 COVER
01 PROPOSED EQUIPMENT LAYOUT

SIGN OFF ACCEPTANCES

_____

_____ (OPTIONAL)

_____ (OPTIONAL)

STERIS
Healthcare Design Group
5960 Heisley Road
Mentor, OH 44060 USA
800-548-4873

REVISION SUMMARY

REVISION #	DESCRIPTION	DESIGNER/DATE	CHECKER

COVER SHEET

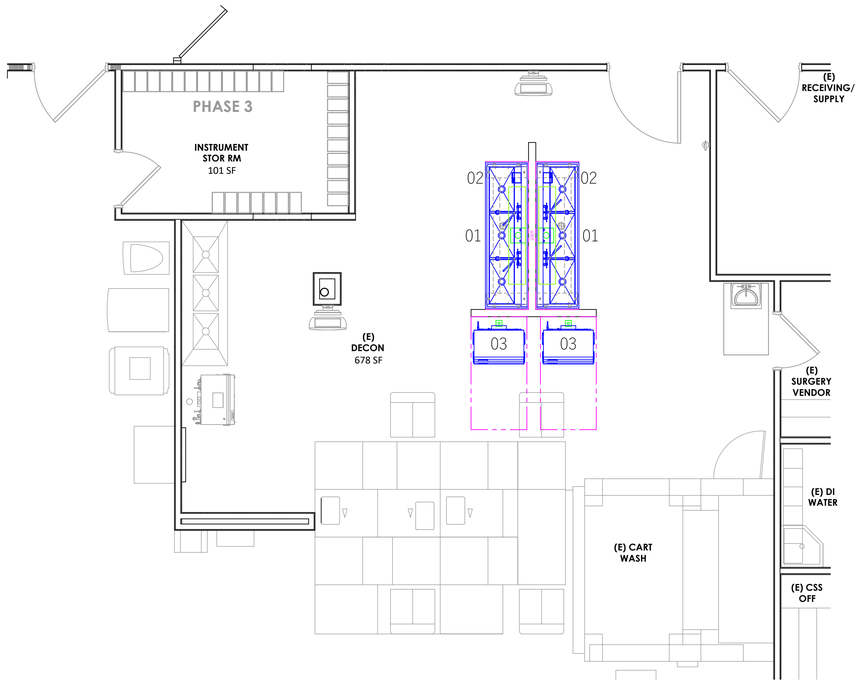
HCA HEALTHONE
AURORA REGIONAL MEDICAL CENTER
AURORA, COLORADO

6607D4

DR	MK	CK	DATE	17AUG2026
SCALE	NOT TO SCALE		PAGE	00

RSN: 2005238 | PERMIT #2026 2656467

This page was NOT reviewed for code compliance and is for reference only.



1 PROPOSED EQUIPMENT LAYOUT
Scale: 1/4" = 1'-0"

EQUIPMENT LIST		
TAG	QTY	DESCRIPTION
01	2	Amsco 50 Reprocessing Sink - 3 Bay/97.5" Long/Height Adjustable
02	2	STERIS Acu-sinQ 2 Chemistry Dosing System (Must be within 4' of power outlet)
03	2	InnoWave Unity Ultrasonic Irrigator - 20 Gallon

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STERIS
Healthcare Design Group
5960 Heisley Road
Mentor, OH 44060 USA
800-548-4873

REVISION SUMMARY

REVISION #	DESCRIPTION	DESIGNER/DATE	CHECKER

STERILE PROCESSING DEPARTMENT
PROPOSED EQUIPMENT LAYOUT

HCA HEALTHONE
AURORA REGIONAL MEDICAL CENTER
AURORA, COLORADO

6607D4

DR	MK	CK	DATE	17AUG2026
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