ATRIUM HEALTH

AH CABARRUS BH RENOVATION

920 Church Street North, Concord, NC 28025

Project No: JAZZID_14452
MPS Project No: 02600404.00
Agency Review ID:

OWNER

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920 CHURCH STREET NORTH
CONCORD, NC 28025
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MEP ENGINEERING

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CHARLOTTE, NC 28227
704.841.2588
WWW.MCKIMCREED.COM

MR. JAKE WISE

DRAWING LIST

GENERAL

SHEET NO	SHEET NAME
G000	COVER SHEET & APPENDIX B
G101	LIFE SAFETY PLAN - LEVEL 01
G104	LIFE SAFETY PLAN - LEVEL 04

ARCHITECTURAL

SHEET NO	SHEET NAME
A001	PROJECT STANDARDS AND PARTITION TYPES
A111	DEMO AND NEW PLANS - LEVEL 01 + 04
A191	EQUIPMENT PLAN - LEVEL 01
A800	DOOR SCHEDULE, GLAZING AND MILLWORK DETAILS

INTERIORS

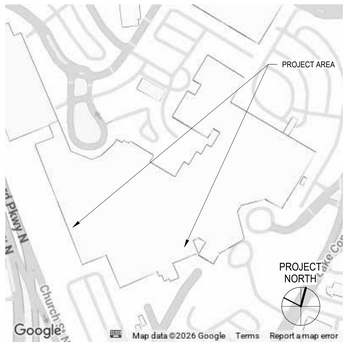
SHEET NO	SHEET NAME
ID112	INTERIOR FINISH & FURNITURE PLANS - LEVEL 01 & LEVEL 04

MECHANICAL AND PLUMBING

SHEET NO	SHEET NAME
MP001	MECHANICAL SYMBOLS, NOTES, AND ABBREVIATIONS
MP101	MECHANICAL AND PLUMBING - LEVEL 01 - DEMOLITION & NEW WORK PLAN
MP102	MECHANICAL AND PLUMBING - LEVEL 04 - DEMOLITION & NEW WORK PLAN

ELECTRICAL

SHEET NO	SHEET NAME
E001	ELECTRICAL SYMBOLS, LEGENDS AND ABBREVIATIONS
E002	ELECTRICAL SPECIFICATIONS
E100	ELECTRICAL - LEVEL 01 - OVERALL PLANS
E200	ELECTRICAL - LEVEL 01 - LIGHTING - DEMOLITION
E201	ELECTRICAL - LEVEL 01 - POWER AND SPECIAL SYSTEMS - DEMOLITION
E202	ELECTRICAL - LEVEL 04 - LIGHTING - DEMOLITION
E203	ELECTRICAL - LEVEL 04 - POWER AND SPECIAL SYSTEMS - DEMOLITION
E300	ELECTRICAL - LEVEL 01 - LIGHTING - NEW WORK
E301	ELECTRICAL - LEVEL 01 - POWER AND SPECIAL SYSTEMS - NEW WORK
E302	ELECTRICAL - LEVEL 04 - LIGHTING - NEW WORK
E303	ELECTRICAL - LEVEL 04 - POWER AND SPECIAL SYSTEMS - NEW WORK
E601	ELECTRICAL - PARTIAL RISER DIAGRAM AND PANEL SCHEDULES
E701	ELECTRICAL DETAILS



SITE MAP

VICINITY MAP

APPENDIX B: 2018 NORTH CAROLINA BUILDING CODE (2015 IBC WITH NORTH CAROLINA AMENDMENTS)

PROJECT INFORMATION:

Name of Project: AH CABARRUS BH RENOVATION
Address: 920 Church Street North, Concord, NC 28025

Owner/Authorized Agent: Daniel Martin Phone: (980) 866-8408
E-mail: daniel.martin1@advocatehealth.org

Owned By: ☐ City/County ■ Private ☐ State
Code Enforcement Jurisdiction: ■ City: Concord ■ County: Cabarrus ☐ State

CONTACT: Tracie Sansavera

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE#	E-MAIL
Architectural	McMillan Pazdan Smith	Tracie Sansavera	14830	980.529.7005	tsansavera@mcmillanpazdansmith.com
Civil					
Electrical	McKim & Creed	Thomas P. Bufford	030422	704.841.2588	tbufford@mckimcreed.com
Fire Alarm					
Plumbing	McKim & Creed	Jacob M. Wise	063105	704.841.2588	jwise@mckimcreed.com
Mechanical	McKim & Creed	Jacob M. Wise	063105	704.841.2588	jwise@mckimcreed.com
Sprinkler/ Standpipe					
Structural					
Retaining Walls >5' High					
Other					

TYPE OF WORK BEING PERFORMED:

2018 NC BUILDING CODE: ☐ New Building ☐ Addition ■ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements.
☐ Phased Construction - Shell/Core- Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alterations: ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: Varies CURRENT OCCUPANCY(S) (Ch 3): I-2 HOSPITAL
RENOVATED: 2026 PROPOSED OCCUPANCY(S) (Ch 3): I-2 HOSPITAL (NO CHANGE)

RISK CATEGORY (Table 1604.5) Current: ☐ I ☐ II ☐ III ■ IV
Proposed: ☐ I ☐ II ☐ III ■ IV

BASIC BUILDING DATA

Construction Type: ■ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
☐ I-B* ☐ II-B ☐ III-B ☐ V-B

Sprinklers: ☐ No ☐ Partial ■ Yes ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ■ Yes Class: ■ I ☐ II ☐ III ■ Wet ☐ Dry
Fire District: ■ No ☐ Yes Flood Hazard Area: ■ No ☐ Yes
Special Inspections Required: ■ No ☐ Yes Contact the local inspection jurisdiction for additional procedures and requirements

GROSS BUILDING AREA

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENO/ALT (SQ FT)	SUB TOTAL (SQ FT)
LEVEL 01	437,295 SF	-	631 SF	437,295 SF
LEVEL 04	164, 054 SF	-	873 SF	164, 054 SF

ALLOWABLE AREA

Primary Occupancy Classification: Select one
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition: ☐ 1 ☐ 2
■ I-2 Condition: ☐ 1 ■ 2
☐ I-3 Condition: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Institutional ☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-Piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification: None in scope of work; no change to existing
Incidental Uses (Table 509): None in scope of work; no change to existing
Special Uses (Chapter 4 - List Code Sections): 403, 407 in scope. Other special uses may apply. No changes to existing.
Special Provisions (Chapter 5 - List Code Sections): None
Mixed Occupancy: ☐ No ■ Yes Separation: - Exception: Other occupancies not in scope
■ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
■ **Separated Use (508.4) - REF below for area calculations**
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

STORY NO.	Actual Area of Occupancy A / Allowable Area of Occupancy A + Actual Area of Occupancy A / Allowable Area of Occupancy A <1
-	- + ____ + … … + ____ <1.00

EXISTING - NO CHANGE

STORY NO.	DESCRIPTION AND USE	(A) AREA PER STORY (ACTUAL)	TABLE 506.2[2] AREA	(C) AREA FOR FRONTAGE INCREASE[1]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[3]
TOTAL					

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
b. Total Building Perimeter = N/A (P)
c. Ratio (F/P) = N/A (F/P)
d. W = Minimum width of public way = N/A (W)
e. Percent of frontage increase I_f = 100 [F/P - 0.25] x W/30 = N/A (%)
2 Unlimited area applicable under conditions of Sections 507.
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the unsprinklered area value in Table 506.2

ALLOWABLE HEIGHT

		SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)[2]	-	71'-9"	-
Building Height in Stories (Table	-	4	-

EXISTING - NO CHANGE

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D (HR.)	RATING PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural frame, Including columns, girders, trusses		3 HR	ETR				
Bearing walls		3 HR	ETR				
Exterior							
North	X > 30						
East	X > 30						
West	X > 30						
South	X > 30						
Interior							
Nonbearing Walls and Partitions							
Exterior		0 HR	ETR				
North	X > 30						
East	X > 30						
West	X > 30						
South	X > 30						
Interior walls and partitions		0 HR	0 HR	A001			
Floor construction Including supporting beams and joists		2 HR	ETR				
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof construction Including supporting beams and joists		1.5 HR	ETR				
Roof Ceiling Assembly							
Columns Supporting Roof							
Shafts Enclosures - Exit		2 HR	ETR				
Shafts Enclosures- Other		2 HR	ETR				
Corridor Separation		SMOKE	ETR				
Occupancy/Fire Barrier Separation		2 HR	ETR				
Party/Fire Wall Separation		3 HR	ETR				
Smoke Barrier Separation		1 HR	ETR				
Smoke Partition		N/A	N/A				
Tenant/Dwelling Unit Sleeping Unit Separation		N/A	N/A				
Incidental Use Separation		1 HR	ETR				

*Indicate section permitting reduction:

PERCENTAGE OF WALL OPENINGS AND PENETRATIONS

FIRE SEPARATION DISTANCE FROM PROPERTY LINES (FEET)	DESIGN	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
-		-	-
-	-	-	-

EXISTING - NO CHANGE

LIFE SAFETY SYSTEM REQUIREMENTS*:

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ☐ No ■ Yes ☐ Partial: _____
Carbon Monoxide Detection ☐ No ■ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # -
■ Fire and/or smoke rated wall locations (Chapter 7)
ETR ☐ Assumed and real property line locations (if not on site plan)
ETR ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
ETR ☐ Occupancy use of each area as it relates to occupant load calculation (Table 1004.1.2)
ETR ☐ Occupant loads for each area
ETR ☐ Exit sign locations (1013)
ETR ☐ Exit access travel distances (1017)
ETR ☐ Common path of travel distances (Table 1006.2.1 & Table 1006.3.2(1))
ETR ☐ Dead end lengths (1020.4)
ETR ☐ Clear exit widths for each exit door
ETR ☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
ETR ☐ Actual occupant load for each exit door
ETR ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
ETR ☐ Location of doors with panic hardware (1010.1.10)
ETR ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
ETR ☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
ETR ☐ Location of doors equipped with hold-open devices
ETR ☐ Location of emergency escape windows (1030)
N/A ☐ The square footage of each fire area (202)
ETR ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above
-
-

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

NOT APPLICABLE

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED 96" SPACES	132"	TOTAL # ACCESSIBLE PROVIDED
Parking Area	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
TOTAL	-	-	-	-	-

EXISTING - NO CHANGE

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Space	Existing			-	-	-	-	-	-	-
	New	-	-	-	-	-	-	-	-	-
	Required	-	-	-	-	-	-	-	-	-

EXISTING - NO CHANGE

SPECIAL APPROVALS

SPECIAL APPROVAL: (Local Jurisdiction, Department of Insurance, OSC, DPI, DFS, ICC, etc., describe below)
DHHS/DHSR

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ■ Yes, (The remainder of this section is not applicable)
Exempt Building: ☐ No ☐ Yes, (Provide code or statutory reference): _____

Climate Zone: ☐ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive

THERMAL ENVELOPE: (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: Description of assembly
U-Value of total assembly: -
R-Value of insulation: -
Skylights in each assembly: N/A
U-Value of skylight: N/A
Total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
Description of assembly: Description of assembly
U-Value of total assembly: -
R-Value of insulation: -
Openings (windows/doors with glazing)
U-Value of assembly: -
Solar Heat Gain Coefficient: -
Projection factor: -
Door R-Values: -

Walls below grade (each assembly\v)
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: -

Floors slab on grade
Description of assembly: -
U-Value of total assembly: -
R-Value of insulation: -
Horizontal/Vertical requirement: -
Slab heated: -

STRUCTURAL DESIGN
(REFER TO STRUCTURAL SHEETS)

MECHANICAL DESIGN
(REFER TO MECHANICAL SHEETS)

ELECTRICAL DESIGN
(REFER TO ELECTRICAL SHEETS)

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Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

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McKIM&CREED ENGINEERS SURVEYORS PLANNERS

TRACIE SANSAVERA REGISTERED ARCHITECT 14830 NORTH CAROLINA CHARLOTTE, N.C.
MPS ARCHITECTS, P.C. CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
07/15/2026

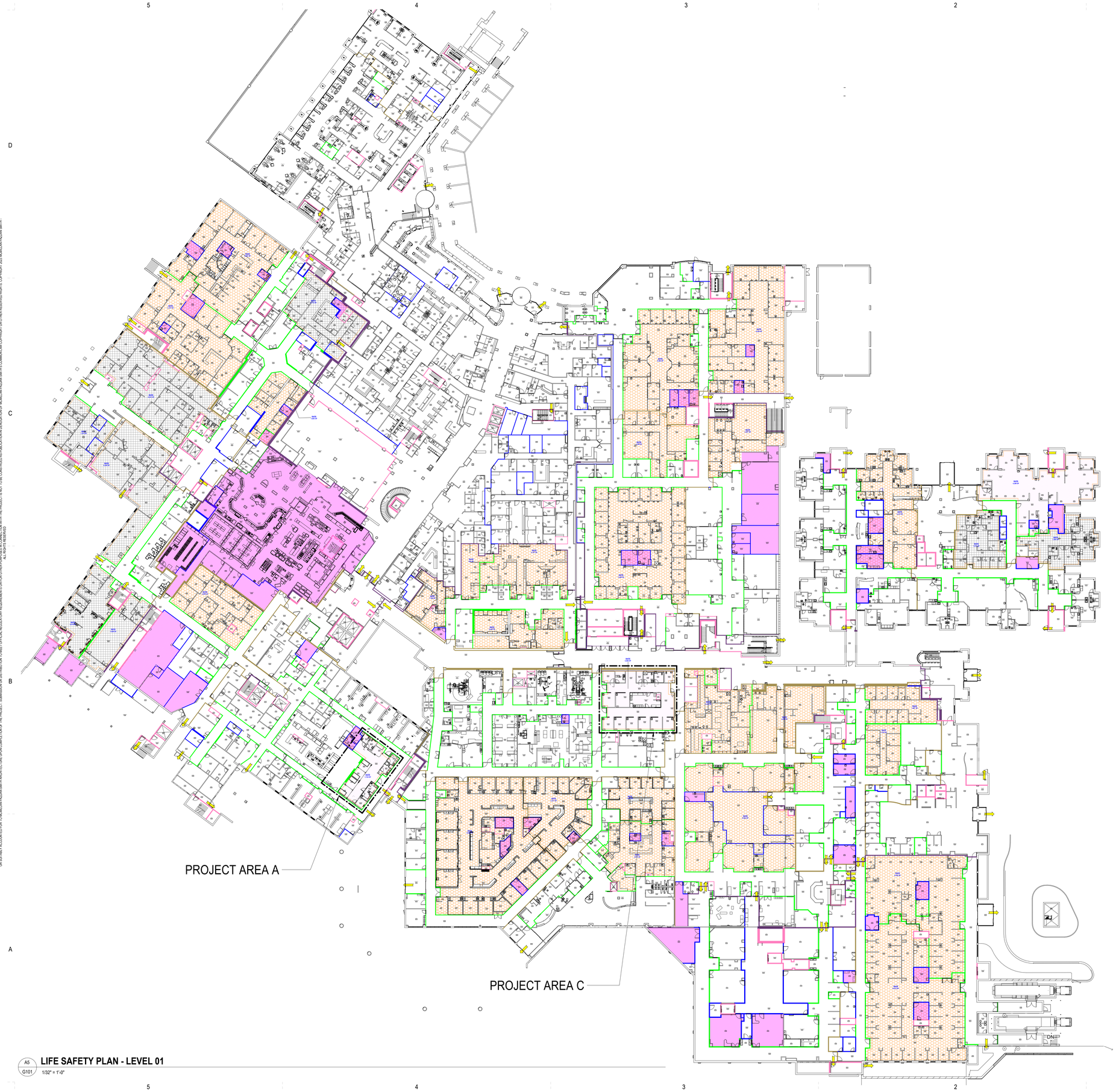
ATRIUM HEALTH
AH CABARRUS BH RENOVATION
AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JRM

SHEET NAME:
COVER SHEET & APPENDIX B

SHEET NO. G000
PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00



A5 / G101 **LIFE SAFETY PLAN - LEVEL 01**
1/32" = 1'-0"

LIFE SAFETY LEGEND

RATING LEGEND

- RGB 000-000-000 — BUILDING SEPARATION
- RGB 255-000-000 — 3 HR & 4 HR FIRE WALL SEPARATION (NCBC SECTION 706)
- RGB 255-127-191 — 2 HR FIRE BARRIER (NCBC SECTION 707)
- RGB 111-063-127 — 2 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
- RGB 000-000-255 — 1 HR FIRE BARRIER (NCBC SECTION 707)
- RGB 165-145-082 — 1 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
- RGB 000-255-255 — 1 HR FIRE PARTITION (NCBC SECTION 708)
- RGB 000-255-000 — SMOKE PARTITION (NCBC SECTION 407/710)
- RGB 255-127-000 — SUITE BOUNDARY (NCBC SECTION 407.4.4.2/710)

AREAS

- CHUTES/ACCESS/DISCHARGE
- HAZARDOUS AREA (NFPA 101 18.3.2.1)
- SLEEPING SUITE (NCBC 407.4.4.5)
- NON-SLEEPING SUITE (NCBC 407.4.4.6)
- NON-PATIENT SUITE (NCBC 407.4.4.6)
- 2 HR FLOOR/CEILING ABOVE
- 1 HR FLOOR/CEILING ABOVE
- NOT IN SCOPE

EGRESS COMPONENTS

- EXIT (NCBC 1022)
- HORIZONTAL EXIT (NCBC 1026)
- EXIT DISCHARGE (NCBC 1028)

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 — AREA SQ FT
2,200 / 20 — OCCUPANT LOAD FACTOR (NCBC TABLE 1004.1.2)
CALCULATED OCCUPANCY LOAD

DOOR EGRESS TAG

200 | 36 | 240 — EXIT OCCUPANT LOAD / EXIT CLEAR WIDTH / EGRESS CAPACITY
PH | 45 MIN — FIRE RATING

- PH — PANIC HARDWARE (NCBC 1010.1.10)
- DE-X — DELAYED EGRESS; DELAY X SECONDS (NCBC 1010.1.9.7)
- ML — ELECTROMAGNETIC EGRESS LOCK (NCBC 1010.1.9.9)
- HO — HOLD-OPEN DEVICE

EGRESS PATH(S)

EXIT ACCESS : 86'-10" / 200' ALLOWED — EXIT ACCESS (NCBC 1017)
COMMON PATH : 16'-10" / 75' ALLOWED — COMMON PATH (NCBC TABLE 1006.2.1)

FIRE EXTINGUISHERS

FEC FEC FEC

- FIRE EXTINGUISER
- SURFACE MOUNTED FEC
- SEMI-RECESSED FEC
- RECESSED FEC

EXIT SIGNS

- CEILING MOUNTED
- WALL MOUNTED
- DIRECTION ARROWS (WHEN SHOWN)

NOTE:

1. THIS SHEET RELIES ON COLOR TO CONVEY INFORMATION. REPRODUCTION WITHOUT COLOR WILL RESULT IN LOSS OF INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING DOCUMENTS IN A FORMAT THAT FULLY PRESERVES ALL INFORMATION CONVEYED BY THE ORIGINAL, OR PROPERLY MODIFIED, CONTRACT DOCUMENTS.

2. THIS SHEET HAS BEEN CREATED FROM THE OWNER'S BARRIER MANAGEMENT PLANS AND HAS BEEN MODIFIED ONLY FOR THE SCOPE OF THIS PROJECT. REPORT ALL DIFFERENCES FOR AREAS NOT IN CONTRACT TO THE ARCHITECT AND OWNER.

3. STENCIL OR MECHANICALLY FASTEN LABELS TO THE WALL ABOVE CEILINGS WITH THE FOLLOWING DESCRIPTIONS AS APPLICABLE IN 3" MINIMUM LETTERS:
   A. NON-RATED SMOKE PARTITION - PROTECT ALL OPENINGS
   B. 1 HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   C. 1 HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
   D. 2 HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   E. 2 HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
   F. 3 HOUR FIRE WALL - PROTECT ALL OPENINGS
   G. 4 HOUR FIRE WALL - PROTECT ALL OPENINGS

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07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

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NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	MS
PROJECT ARCHITECT:	TAS
DRAWN BY:	JRM

SHEET NAME:
LIFE SAFETY PLAN - LEVEL 01

SHEET NO. G101

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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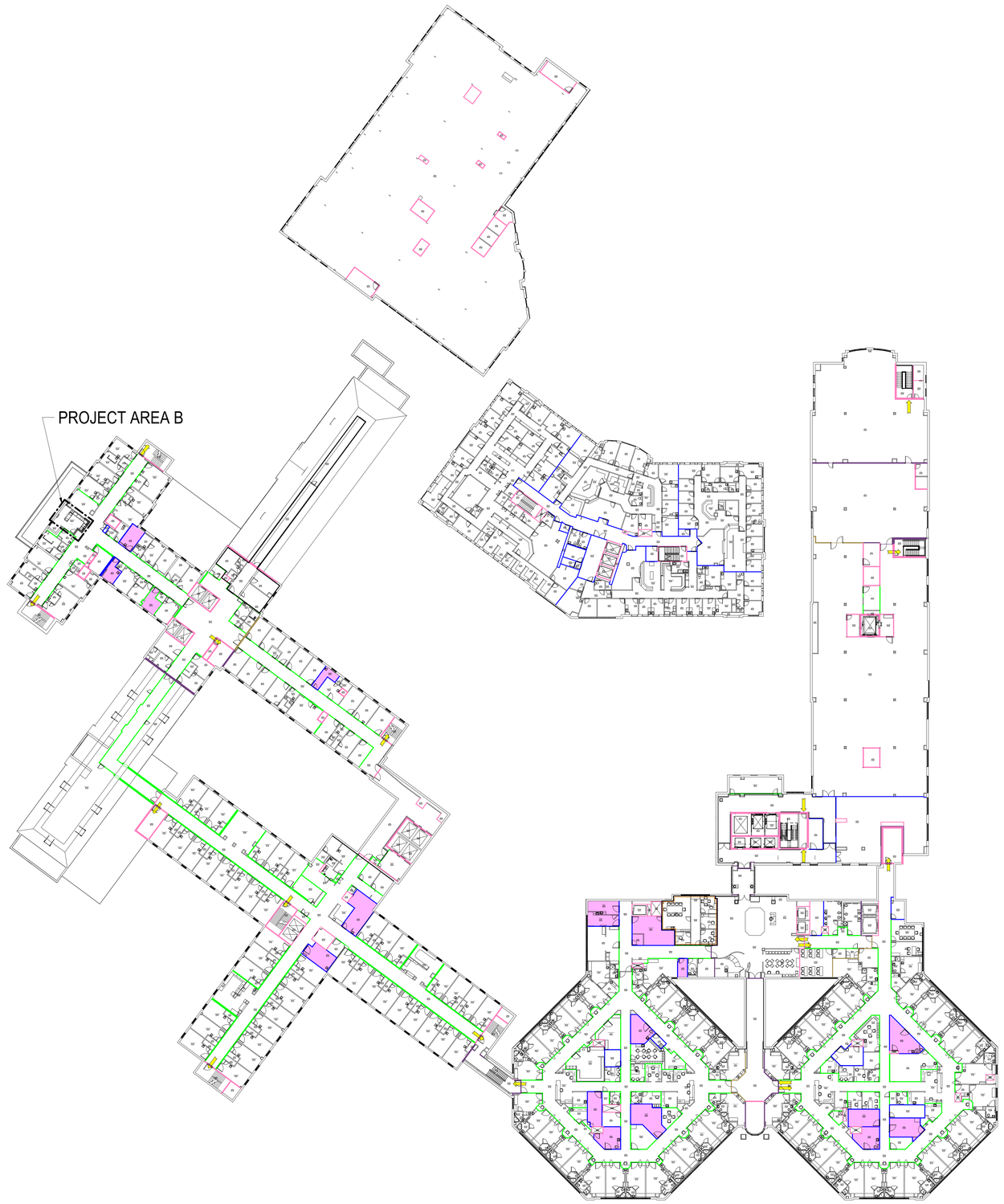

A5 G104 **LIFE SAFETY PLAN - LEVEL 04**

1/32" = 1'-0"

LIFE SAFETY LEGEND

RATING LEGEND

- RGB 000-000-000 — BUILDING SEPARATION
- RGB 255-000-000 — 3 HR & 4 HR FIRE WALL SEPARATION (NCBC SECTION 706)
- RGB 255-127-191 — 2 HR FIRE BARRIER (NCBC SECTION 707)
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AREAS

- CHUTES/ACCESS/DISCHARGE
- HAZARDOUS AREA (NFPA 101 18.3.2.1)
- SLEEPING SUITE (NCBC 407.4.4.5)
- NON-SLEEPING SUITE (NCBC 407.4.4.6)
- NON-PATIENT SUITE (NCBC 407.4.4.6)
- 2 HR FLOOR/CEILING ABOVE
- 1 HR FLOOR/CEILING ABOVE
- NOT IN SCOPE

EGRESS COMPONENTS

- EXIT (NCBC 1022)
- HORIZONTAL EXIT (NCBC 1026)
- EXIT DISCHARGE (NCBC 1028)

AREA OCCUPANCY TAG(S)

ASSEMBLY — OCCUPANCY TYPE
45 — AREA SQ FT
2,220 / 35 — OCCUPANT LOAD FACTOR (NCBC TABLE 1004.1.2) / CALCULATED OCCUPANCY LOAD

DOOR EGRESS TAG

200 — EXIT OCCUPANT LOAD
36 — EXIT CLEAR WIDTH
240 — EGRESS CAPACITY
PH — 45 MIN — FIRE RATING

- PH — PANIC HARDWARE (NCBC 1010.1.10)
- DE-X — DELAYED EGRESS; DELAY X SECONDS (NCBC 1010.1.9.7)
- ML — ELECTROMAGNETIC EGRESS LOCK (NCBC 1010.1.9.9)
- HO — HOLD-OPEN DEVICE

EGRESS PATH(S)

EXIT ACCESS : 86'-10" / 200' ALLOWED — EXIT ACCESS (NCBC 1017)

COMMON PATH : 16'-10" / 75' ALLOWED — COMMON PATH (NCBC TABLE 1006.2.1)

FIRE EXTINGUISHERS

FEC — FIRE EXTINGUISER
FEC — SURFACE MOUNTED FEC
FEC — SEMI-RECESSED FEC
RECESSED FEC

EXIT SIGNS

- CEILING MOUNTED
- WALL MOUNTED
- DIRECTION ARROWS (WHEN SHOWN)

NOTE:

1. THIS SHEET RELIES ON COLOR TO CONVEY INFORMATION. REPRODUCTION WITHOUT COLOR WILL RESULT IN LOSS OF INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING DOCUMENTS IN A FORMAT THAT FULLY PRESERVES ALL INFORMATION CONVEYED BY THE ORIGINAL, OR PROPERLY MODIFIED, CONTRACT DOCUMENTS.

2. THIS SHEET HAS BEEN CREATED FROM THE OWNER'S BARRIER MANAGEMENT PLANS AND HAS BEEN MODIFIED ONLY FOR THE SCOPE OF THIS PROJECT. REPORT ALL DIFFERENCES FOR AREAS NOT IN CONTRACT TO THE ARCHITECT AND OWNER.

3. STENCIL OR MECHANICALLY FASTEN LABELS TO THE WALL ABOVE CEILINGS WITH THE FOLLOWING DESCRIPTIONS AS APPLICABLE IN 3" MINIMUM LETTERS:
   - A. NON-RATED SMOKE PARTITION - PROTECT ALL OPENINGS
   - B. 1 HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   - C. 1 HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
   - D. 2 HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   - E. 2 HOUR FIRE/SMOKE BARRIER - PROTECT ALL OPENINGS
   - F. 3 HOUR FIRE WALL - PROTECT ALL OPENINGS
   - G. 4 HOUR FIRE WALL - PROTECT ALL OPENINGS

Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

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MPC ARCHITECTS, P.C. REGISTERED ARCHITECTURE CORPORATION CERT. NO. 54374 CHARLOTTE, NORTH CAROLINA

07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JRM

SHEET NAME:

LIFE SAFETY PLAN - LEVEL 04

SHEET NO. G104

PROJECT NUMBER: JAZZID_14452

A/E PROJECT #: 02600404.00

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7/15/2026 3:38:46 PM Autodesk Docs://0026404.00 AH Cabarrus BH Renovation/JAZZID_14452_AH Cabarrus_CCTE_revit.rvt

ABBREVIATION NOTES:

1. ABBREVIATIONS LISTED BELOW APPLY TO THE ARCHITECTURAL DRAWINGS ONLY, REFER TO CONSTRUCTION DOCUMENTS PREPARED BY MPS CONSULTANTS FOR ABBREVIATIONS USED.
2. REFER TO FINISH SCHEDULE FOR FINISH MATERIAL ABBREVAITIONS NOT SHOWN.

A/C	AIR CONDITION
A/E	ARCHITECT/ENGINEER
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT or ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
AO	AUTO OPERATOR
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTION
AVG	AVERAGE
AWP	ACOUSTIC WALL PANEL
BD	BOARD
BD FT	BOARD FEET (FOOT)
BLDG	BUILDING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT\ CONTROL JOINT
C/L	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
COORD	COORDINATE
CORR	CORRIDOR
CR	CARD READER
CT	CERAMIC TILE
DBL	DOUBLE
DEMO	DEMOLITION/DEMOLISH
DEPT	DEPARTMENT
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DS	DOWNSPOUT
DW	DISHWASHER
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMER	EMERGENCY
EOS	EDGE OF SLAB
EP	EPOXY PAINT
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET

FIXT	FIXTURE
FOC	FACE OF CONCRETE/ FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FRP	FIBERGLASS REINFORCED PANEL
FURN	FURNITURE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GFRP	GLASS-FIBER-REINFORCED PLASTER
GL	GLASS/GLAZING
GMP	GUARANTEED MAXIMUM PRICE
GYP BD	GYPSUM WALL BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
HDW	HARDWARE
HIM	HIGH IMPACT MATERIAL
HM	HOLLOW METAL
HORZ	HORIZONTAL
HR	HANDRAIL
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KD	KNOCKED DOWN
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FEET (FOOT)
LOS	LINE OF SIGHT
LWC	LIGHTWEIGHT CONCRETE
MAINT	MAINTENANCE
MAX	MAXIMUM
MED	MEDICAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING (MOULDING)
MOD BIT	MODIFIED BITUMEN
MR	MOISTURE RESISTANT
MT	METAIL TRIM
MTL	METAL
MW	MICROWAVE
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OPP	OPPOSITE
P	PAINT
PAT	PATTERN
PC	PRIVACY CURTAIN
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PJ	PANEL JOINT
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
POLYISO	POLYISOCYANURATE

PREFAB	PREFABRICATE
PT	PORCELAIN TILE
PTM	PATCH TO MATCH
R	RADIUS
RA	RELIEF ANGLE
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
RH	ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
RP	RESIN PANEL
RTU	ROOF TOP UNIT
RV	ROOF VENT
SC	SPECIALTY CEILING
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SHR	SHOWER
SHRD	SHOWER DRAIN
SIM	SIMILAR
SP	STANDPIPE
SPEC	SPECIFICATION(S)
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ FT	SQUARE FOOT
SS	SOLID SURFACE
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STOR	STORAGE
SUSP CLG	SUSPENDED CEILING
SYM	SYMMETRICAL
TA	TOUCHLESS ACTUATOR
TBD	TO BE DETERMINED
T&G	TONGUE AND GROOVE
TEMP	TEMPORARY
THRU	THROUGH
TLT	TOILET
TLTA	TOILET ACCESSORY
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB\ TOP OF STEEL
TOW	TOP OF WALL
TS	TRANSITION STRIP
U/C	UNDERCOUNTER
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WALL PROTECTION
WRB	WATER RESISTANT BARRIER
WSCT	WAINSCOT
WT	WINDOW TREATMENT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)

ABBREVIATIONS LIST

STANDARD GRAPHICS AND SYMBOLS

LINE TYPES

BEYOND
CENTERLINE
DEMOLISHED
HIDDEN
OVERHEAD

ANNOTATIONS

"X" "X"
CENTERLINE DIMENSION
1 COLUMN GRID TAG - NEW
A COLUMN GRID TAG - EXISTING
ALIGN ALIGN FACE OF SURFACES
0'-0" SPOT ELEVATION
Name Elevation LEVEL / ELEVATION HEIGHT
1 REVISION TAG AND CLOUD

ANNOTATIONS AND TAGS

CASEWORK (BASE)
36 100 24
WIDTH
TYPE (REF CASEWORK DETAILS)
DEPTH
HEIGHT

CASEWORK (WALL)
34
36 100 24
HEIGHT
DEPTH
TYPE (REF CASEWORK DETAILS)
WIDTH

DOOR TAG:
122A
FH 45 MIN
FLOOR # = 1 OR 2 DIGITS
ROOM # = 2 OR 3 DIGITS
DOOR SEQUENCE (ALPHABETIC)
DOOR RATING (IF SHOWN)
PANIC HARDWARE (IF SHOWN)

ANNOTATIONS AND TAGS

NORTH
NORTH (PROJECT OR TRUE)
PROJECT NORTH
TRUE NORTH
A WINDOW / CURTAIN WALL TAG
L1 LOUVER TAG
GA4.0 WALL TAG
01 DEMOLITION KEYNOTE
01 KEYNOTE
F1 FURNITURE TAG
1234-567 EQUIPMENT TAG
S99 SIGNAGE TAG

CEILING TAG
1t
10'-0"
AFF
CEILING TYPE (IF / WHEN INDICATED)
CEILING HEIGHT

ROOM TAG(S):
ROOM NAME
150 SF
ROOM TAG WITH AREA (NO ROOM #)

DEPT/ PHASE
ROOM NAME
00999
DEPARTMENT OR PHASE (IF SHOWN)
ROOM NAME
ROOM # = 2 OR 3 DIGITS
FLOOR # = 1 OR 2 DIGITS

ROOM NAME
00999
150 SF
AREA (IF SHOWN)
150 SF
AREA ONLY

VIEW REFERENCE

1/ A610
PHOTO REFERENCE TAG

PLAN VIEW TITLE REFERENCE
A1 A101
VIEW NAME
1/8" = 1'-0"
PLAN NUMBER
VIEW SCALE
CURRENT SHEET

DETAIL VIEW TITLE REFERENCE
A1 A101
VIEW NAME
1/8" = 1'-0"
DETAIL NUMBER
VIEW SCALE
CURRENT SHEET

PLAN / DETAIL CALLOUT
1 A103
SIM
REFERENCED SHEET

BUILDING SECTION CALLOUT
1 A610
SIM
REFERENCED SHEET

WALL SECTION CALLOUT
A5 A610
SIM
REFERENCED SHEET

DETAIL SECTION CALLOUT
1 A610
SIM
REFERENCED SHEET

INTERIOR ELEVATION CALLOUT
1 Ref A510 1 Ref
1 Ref

EXTERIOR ELEVATION CALLOUT
A1 Ref A1011 A1 Ref
A1 Ref

GENERAL PARTITION NOTES

A. PLAN DIMENSIONS ARE TO FINISH FACE OF WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
B. ALL PARTITIONS SHALL BE PARTITION TYPE **A3** UNLESS NOTED OTHERWISE.
C. GYPSUM WALL BOARD LAYERS ON RATED WALLS SHALL BE CONTINUOUS THROUGH ALL INTERSECTIONS WITH NON-RATED WALLS. REFER TO FIRE WALL PRIORITY DIAGRAM.
D. REFERENCE ALL FLOOR PLANS AND LIFE SAFETY PLANS FOR RATED WALL LOCATIONS AND RATINGS.
E. PROVIDE TYPE X, MOLD AND MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL TOILET AND JANITOR ROOMS.
F. PROVIDE CEMENT BOARD IN ALL WET SHOWER AREA WALLS WITH TILE FINISH.
G. PROVIDE IMPACT RESISTANT GYPSUM WALL BOARD UP TO 4'-0" IN ALL LOBBIES, CORRIDORS, AND STAIRWELLS.
H. SEAL ALL PENETRATIONS AND JOINTS IN RATED ASSEMBLIES USING AN APPROVED UL ASSEMBLY, REF SPECIFICATIONS FOR SCHEDULE OF TYPICAL UL ASSEMBLIES.
I. SEAL ALL PENETRATION AND JOINTS IN NON-RATED ASSEMBLIES CONTINUOUS TO STRUCTURE ABOVE WITH ACOUSTIC SEALANT.
J. ANY PORTION OF GYPSUM WALL BOARD THAT BECOMES WET OR SHOWS SIGNS OF MOISTURE DAMAGE, EITHER BEFORE OR AFTER INSTALLATION, IS TO BE REMOVED IMMEDIATELY AND REPLACED WITH NEW DRY GYPSUM WALL BOARD.
K. INTERIOR PARTITIONS MAY HAVE ADDITIONAL FINISHES. REFERENCE FINISH SCHEDULE AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.
L. PROVIDE PROJECT SPECIFIC DELEGATED DESIGN DATA INCLUDING STUD SPACING, STUD GAUGE, BRACING AND DEFLECTION.
M. SOUND ATTENUATION BLANKET IS REQUIRED AT ALL INTERIOR PARTITIONS AND SHALL RUN FULL HEIGHT OF PARTITION UNLESS NOTED OTHERWISE.
N. COORDINATE AND PROVIDE ALL REQUIRED BLOCKING WITHIN THE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO: MILLWORK, CASEWORK, GRAB BARS, MONITORS, AND TOILET PARTITIONS.
O. INSTALL GYPSUM WALL BOARD ON INTERIOR PARTITIONS WITH A MINIMUM 1/4" GAP BETWEEN THE GYPSUM WALL BOARD AND THE FINISHED FLOOR.
P. AT RATED PARTITIONS AND CEILINGS, INSTALL CONTROL JOINTS PER THE TESTED ASSEMBLIES.
Q. NOTIFY THE ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES PRIOR TO INSTALLATION OF PARTITIONS.

PARTITION TYPE LEGEND

PARTITION CONSTRUCTION TYPE — FRAMING SIZE
A3

FRAMING SIZES

	METAL STUDS	SHAFT WALL	CMU	WOOD
0	7/8" HAT	-	9 5/8" (10" NOM)	-
1	1 5/8"	-	-	1 x 2
2	2 1/2"	2 1/2"	11 5/8" (12" NOM)	-
3	3 5/8"	-	-	-
4	4"	4"	3 5/8" (4" NOM)	2 x 4
6	6"	6"	5 5/8" (6" NOM)	2 x 6
8	8"	-	7 5/8" (8" NOM)	2 x 8

HATCHES

NEW PARTITION
EXISTING PARTITION
MASONRY PARTITION
SMOKE TIGHT PARTITION
1 HOUR RATED BARRIER
1 HOUR RATED SMOKE BARRIER
2 HOUR RATED BARRIER
2 HOUR RATED SMOKE BARRIER
3 HOUR RATED WALL

WALL FRAMING PRIORITY

A. PARTITIONS SHALL BE PRIORITIZED BASED ON FIRE AND SMOKE RATING.
B. PARTITIONS SHALL BE CONSTRUCTED SUCH THAT HIGHER PRIORITY IS FRAMED BEFORE LOWER PRIORITY.
C. LOWER PRIORITY PARTITIONS SHALL BE FRAMEID TIGHT TO, BUT NOT INTERRUPT HIGHER PRIORITY CONSTRUCTION. (REF THE EXAMPLE BELOW)

FIRE WALLS (NCBC 706)	PRIORITY 1 (HIGHEST)
2 HOUR FIRE RATED SMOKE BARRIER (NCBC 709/407.5)	PRIORITY 2
2 HOUR FIRE RATED BARRIER (NCBC 707)	PRIORITY 3
1 HOUR FIRE RATED SMOKE BARRIER (NCBC 709/407.5)	PRIORITY 4
1 HOUR FIRE RATED BARRIER (NCBC 707)	PRIORITY 5
1 HOUR FIRE PARTITION (NCBC 708)	PRIORITY 6
SMOKETIGHT PARTITION (NCBC 710)	PRIORITY 7
NONE RATED	PRIORITY 8 (LOWEST)

HIGHER PRIORITY
LOWER PRIORITY

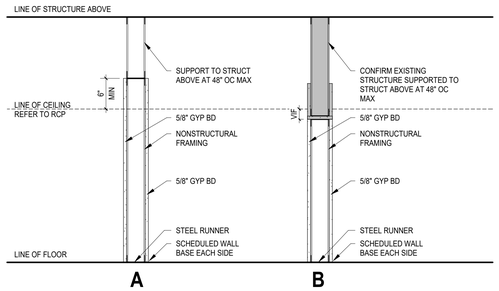
CONTROL JOINTS:

LOCATE CONTROL JOINTS AS FOLLOWS:

A. PROVIDE CONTROL JOINTS IN WIDTHS NO GREATER THAN 30'-0" OC, BUT NO LESS THAN 16'-0".
B. INSTALL CONTROL JOINTS ACCORDING TO ASTM C 840 AND IN SPECIFIC LOCATIONS APPROVED BY ARCHITECT FOR VISUAL EFFECT.
C. SUBMIT CONTROL JOINT LOCATION PLAN TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
D. PROVIDE CONTROL JOINTS ABOVE DOOR JAMBS WHENEVER POSSIBLE.

NON-RATED PARTITION TYPES

NOT TO SCALE



Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

TRACIE SANSAVER REGISTERED ARCHITECT 14830 NORTH CAROLINA CHARLOTTE, N.C.
MPC ARCHITECTS, P.C. CERTIFIED ARCHITECTURE FIRM CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA
07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JRM

SHEET NAME:
PROJECT STANDARDS AND PARTITION TYPES

SHEET NO.
A001

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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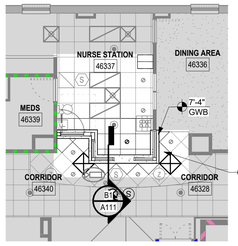
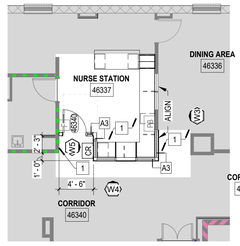
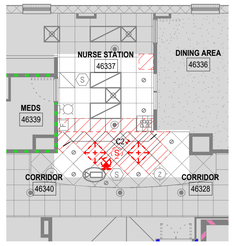


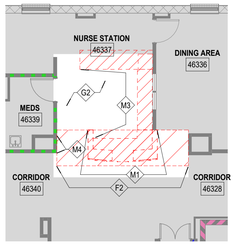
D5 A111 **LEVEL 04 - AREA B - SR BH - NEW RCP**
1/8" = 1'-0"



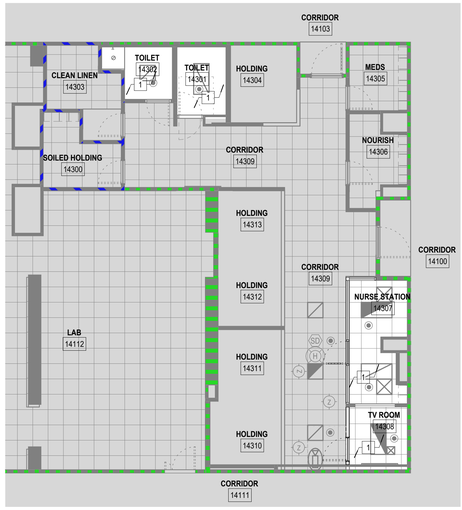
D4 A111 **LEVEL 04 - AREA B - SR BH - NEW WORK PLAN**
1/8" = 1'-0"



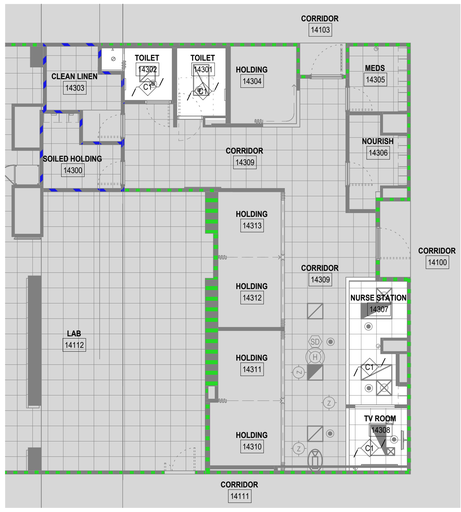
D3 A111 **LEVEL 04 - AREA B - SR BH - DEMO RCP**
1/8" = 1'-0"



D2 A111 **LEVEL 04 - AREA B - SR BH - DEMOLITION PLAN**
1/8" = 1'-0"

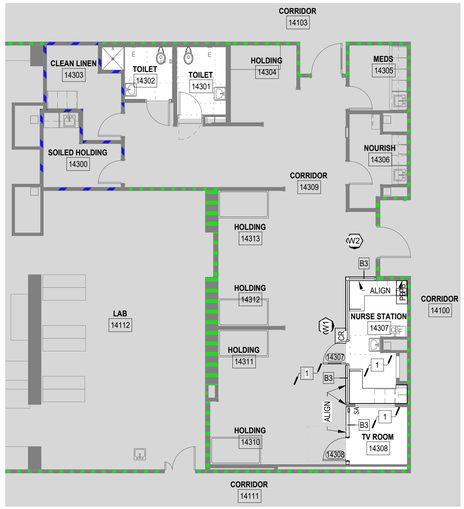


B5 A111 **LEVEL 01 - AREA A - BH 1 - NEW RCP**
1/8" = 1'-0"

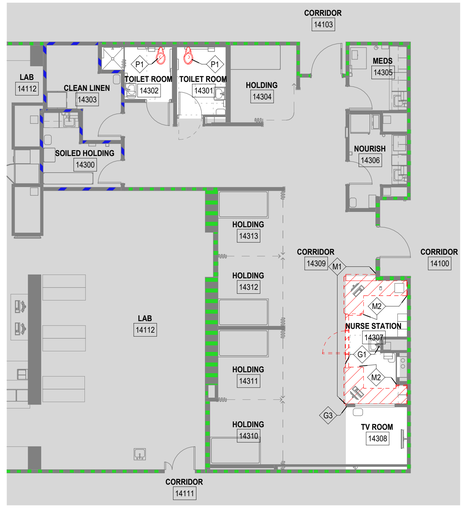


B4 A111 **LEVEL 01 - AREA A - BH 1 - DEMO RCP**
1/8" = 1'-0"

B2 A111 **LEVEL 01 - AREA C - BH 2 - NEW WORK PLAN**
1/8" = 1'-0"



A5 A111 **LEVEL 01 - AREA A - BH 1 - NEW WORK PLAN**
1/8" = 1'-0"



A4 A111 **LEVEL 01 - AREA A - BH 1 - DEMOLITION PLAN**
1/8" = 1'-0"

A2 A111 **LEVEL 01 - AREA C - BH 2 - DEMOLITION PLAN**
1/8" = 1'-0"

GENERAL DEMO NOTES

A. REF SPECIFACTIONS FOR ADDITIONAL SELECTIVE DEMOLITION REQUIREMENTS.
B. REF ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
C. EXISTING ADJACENT ROOMS, ABOVE AND BELOW WILL REMAIN OCCUPIED DURING CONSTRUCTION. NO DISRUPTION OF BUILDING SYSTEMS OR OPERATIONS ARE PERMITTED WITHOUT PRIOR APPROVAL BY THE BUILDING OWNER.
D. COORDINATE EXTENT OF DEMOLITION WITH NEW CONSTRUCTION.
E. PROTECT ALL EXISTING EQUIPMENT, EXPANSION JOINT COVERS, AND FIXTURES WITHIN THE PROJECT AREA.
F. DEMOLITION OF BUILDING SYSTEMS SUCH AS CONDUIT, WIRING, DUCTWORK, AND PLUMBING LINES MAY EXTEND BEYOND THE LIMITS SHOWN ON DEMOLITION PLANS.
G. MAINTAIN EGRESS AND INTEGRITY OF LIFE SAFETY SYSTEMS DURING ALL DEMOLITION AND NEW CONSTRUCTION.
H. REMAINING SUBSTRATES SHALL BE LEFT IN A CONDITION ACCEPTABLE TO RECEIVE NEW WORK. WHERE NEW FINISHES ARE SCHEDULED AT EXISTING CONDITIONS, REMOVE EXISTING FINISHES DOWN TO SUBSTRATE AND PREPARE SURFACE FOR NEW FINISH.
I. NOTIFY ARCHITECT AND OWNER OF EXISTING DUCTWORK, PIPE, AND CONDUIT PENETRATIONS EXPOSED AFTER DEMOLITION THAT ARE NOT FIRESTOPPED THROUGH EXISTING FLOORS AND WALLS IDENTIFIED AS FIRE AND/OR SMOKE RATED ON LIFE SAFETY PLANS.
J. NOTIFY OWNER OF ANY SUSPICIOUS MATERIALS UNCOVERED THAT APPEAR TO CONTAIN HAZARDOUS MATERIALS SUCH AS BUT NOT LIMITED TO MOLD, LEAD PAINT, OR ASBESTOS.

◇ DEMO KEYNOTES

F1 DEMOLISH DAMAGED FLOOR TILE AND PREP FOR REPLACEMENT
F2 DEMOLISH EXISTING FLOOR MATERIAL AND PREP FOR NEW
G1 PROTECT EXISTING EQUIPMENT, FIXTURES, BASE CABINETS, AND FINISHES
G2 PROTECT EXISTING EQUIPMENT AND FINISHES
G3 DEMOLISH EXISTING CORNER GUARD
M1 DEMOLISH EXISTING MILLWORK WALL
M2 DEMOLISH EXISTING COUNTERTOP
M3 DEMOLISH EXISTING COUNTERTOP AND BASE CABINETS
M4 DEMOLISH SOLID SURFACE MATERIAL
P1 DEMOLISH EXISTING TOILET; REF PLUMBING DRAWINGS

◇ DEMO RCP KEYNOTES

C1 EXISTING CEILING REMAINS UNCHANGED
C2 DEMOLISH EXISTING CEILING FOR NEW WORK

GENERAL NOTES

A. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH THE ARCHITECT PRIOR TO CONTINUING WORK.
B. CLARIFY ANY COORDINATION DISCREPANCIES BETWEEN DRAWINGS WITH ARCHITECT PRIOR TO CONTINUING WORK.
C. FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
D. ALL WALL HUNG ITEMS SHALL HAVE ADEQUATE FIRE TREATED WOOD BLOCKING.
E. FIELD VERIFY INTEGRITY OF ALL EXISTING RATED ASSEMBLIES TO REMAIN COMPLIANT WITH THE LIFE SAFETY PLANS.
F. PROTECT ALL EXISTING EQUIPMENT, EXPANSION JOINT COVERS, AND FIXTURES WITHIN THE PROJECT AREA.

□ NEW PLAN KEYNOTES

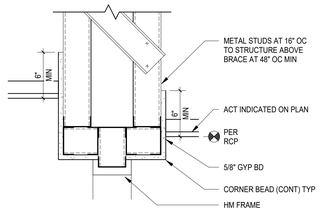
1 PTM WALL AND FLOOR FINISHES; REF INTERIORS

RCP GENERAL NOTES

A. DO NOT SCALE DRAWINGS. CLARIFY ANY DIMENSIONAL DISCREPANCIES WITH ARCHITECT PRIOR TO CONTINUING WORK.
B. CLARIFY ANY COORDIANTION DISCREPANCIES BETWEEN DRAWINGS WITH ARCHITECT PRIOR TO CONTINUING WORK.
C. FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
D. PROTECT ALL EXISTING EQUIPMENT, EXPANSION JOINT COVERS, AND FIXTURES WITH THE PROJECT AREA.
E. ALL ACOUSTING CEILING TILES ARE ACT-1 UNO.
F. ALL CEILINGS ARE 8'-0" AFF UNO.
G. DO NOT INSTALL CEILING TILES LESS THAN 6" WIDE.
H. INSTALL CONTROL JOINTS IN GYP BD CEILINGS PER ASTM C840. CONFIRM LOCATIONS FOR ANY LOCATIONS NOT NOTED.
I. PROVIDE MOISTURE RESISTANT GYP BD IN ALL TOILET ROOMS WITH SHOWERS
J. SECURELY ANCHOR ALL CEILING MOUNTED EQUIPMENT TO STRUCTURE ABOVE CEILING PLANE.
K. SUPPLY/AIR DIFFUSERS MUST BE AT LEAST 3'-0" AWAY FROM RETURN DIFFUSERS.
L. EQUIPMENT SHOWN ON RCP IS FOR INTENT ONLY. REF CUT SHEETS AND ENGINEERING DRAWINGS FOR MORE INFORMATION.
M. CENTER ALL FIXTURES AND EQUIPMENT IN CEILING TILES UNO.
N. REF INTERIORS FINISH LEGEND FOR ALL CEILING FINISH INFORMATION.

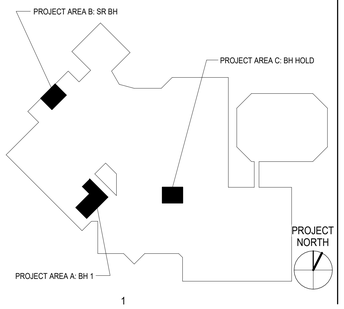
□ NEW RCP KEYNOTES

1 EXISTING CEILNG REMAINS UNCHANGED



B1 A111 **SOFFIT AT HM FRAMING**
1 1/2" = 1'-0"

KEY PLAN



Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

TRACIE SANSAVER REGISTERED ARCHITECT 14830 NORTH CAROLINA CHARLOTTE, N.C.

MPC ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JRM

SHEET NAME:
DEMO AND NEW PLANS - LEVEL 01 + 04

SHEET NO. A111

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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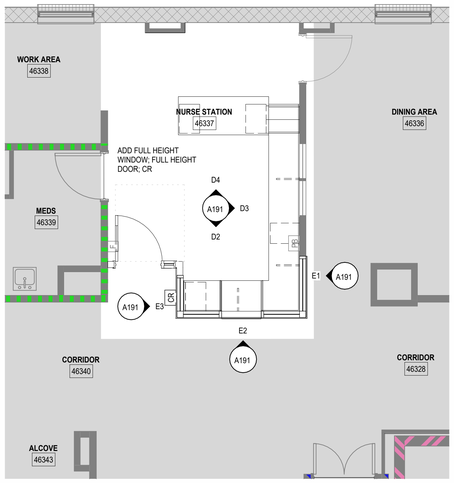
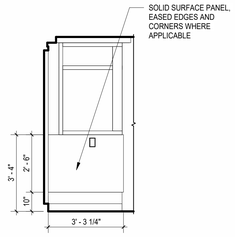
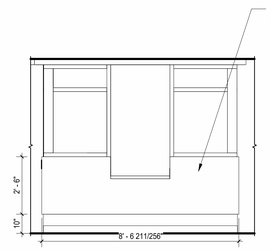


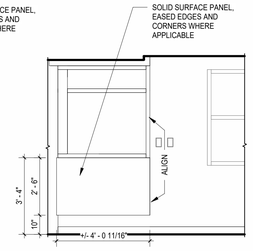
D5 A191 **LEVEL 04 - AREA B - SR BH - ENLARGED PLAN**
1/4" = 1'-0"



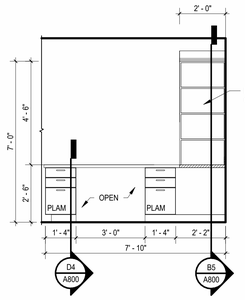
E3 A191 **46337 - SR BH NS EXTERIOR - EAST**
3/8" = 1'-0"



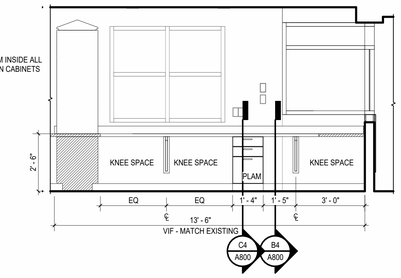
E2 A191 **46337 - SR BH NS EXTERIOR - NORTH**
3/8" = 1'-0"



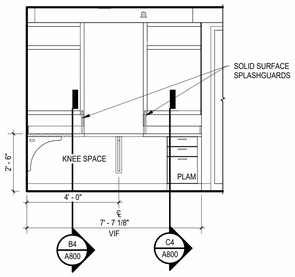
E1 A191 **46337 - SR BH EXTERIOR - WEST**
3/8" = 1'-0"



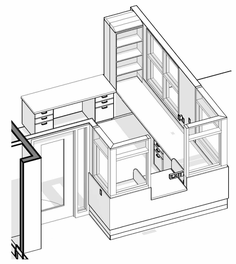
D4 A191 **46337 - SR BH NS - NORTH**
3/8" = 1'-0"



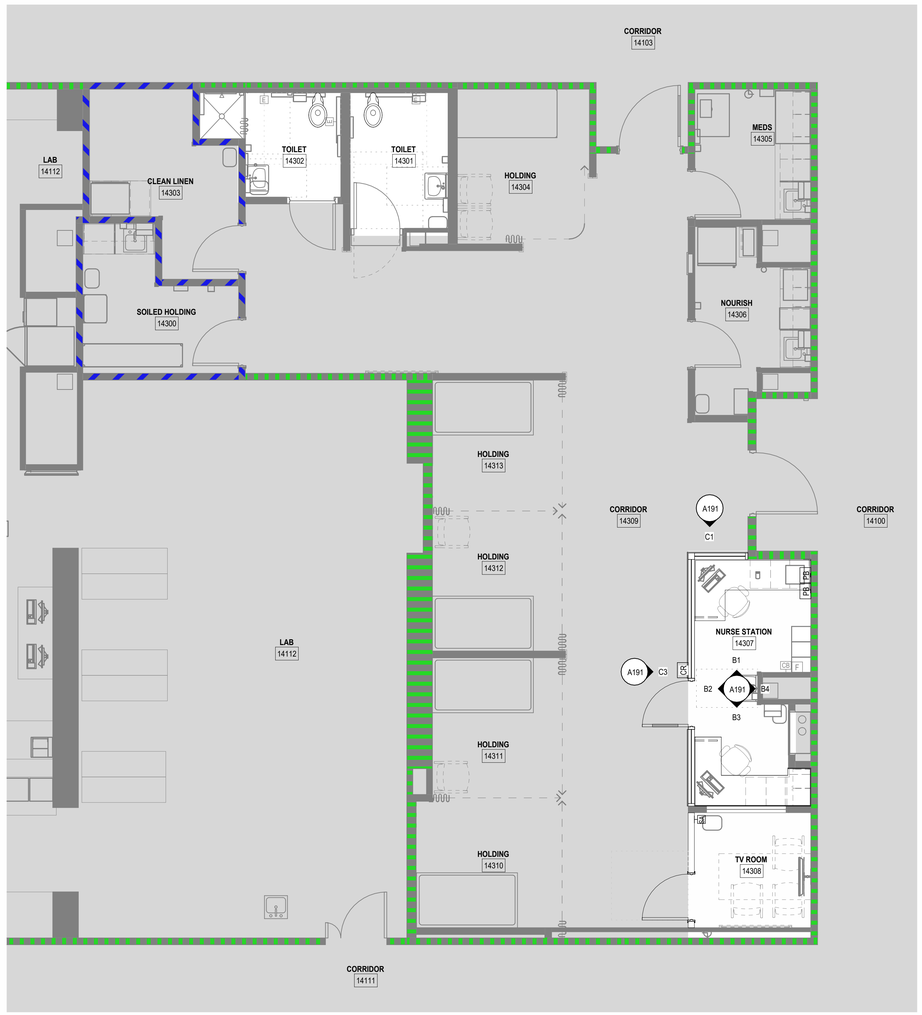
D3 A191 **46337 - SR BH NS - EAST**
3/8" = 1'-0"



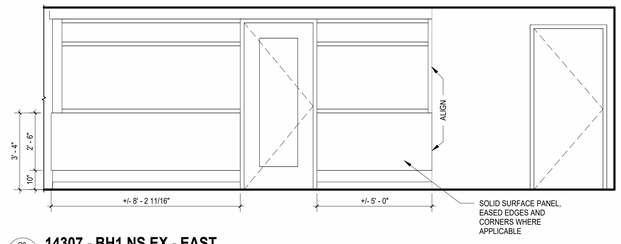
D2 A191 **46337 - SR BH NS - SOUTH**
3/8" = 1'-0"



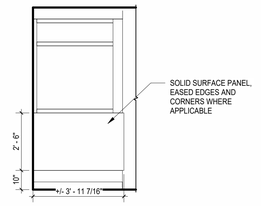
D1 A191 **AXON - SR BH NURSE STATION**



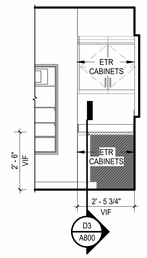
A1 A191 **LEVEL 01 - AREA A - BH 1 - EQUIPMENT PLAN**
1/4" = 1'-0"



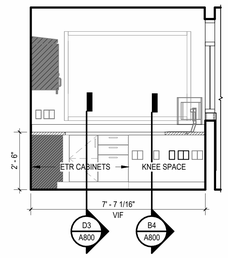
C3 A191 **14307 - BH1 NS EX - EAST**
3/8" = 1'-0"



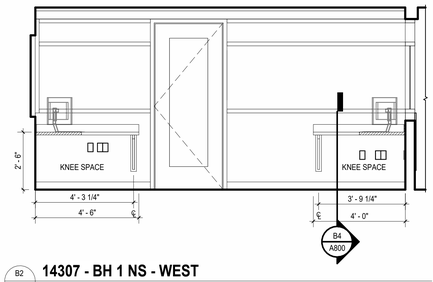
C1 A191 **14307 - BH1 NS EX - SOUTH**
3/8" = 1'-0"



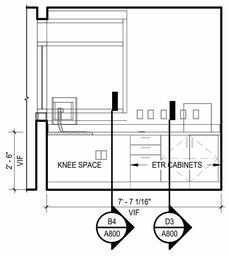
B4 A191 **14307 - BH 1 NS - EAST**
3/8" = 1'-0"



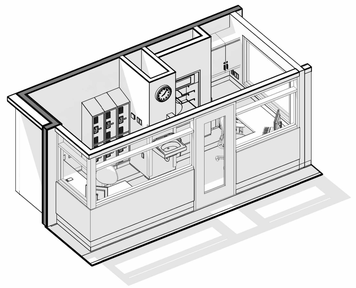
B3 A191 **14307 - BH 1 NS - SOUTH**
3/8" = 1'-0"



B2 A191 **14307 - BH 1 NS - WEST**
3/8" = 1'-0"

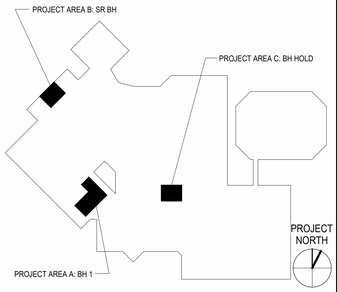


B1 A191 **14307 - BH 1 NS - NORTH**
3/8" = 1'-0"



A4 A191 **AXON - BH 1 NURSE STATION**

KEY PLAN



Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

TRACIE SANSAVER REGISTERED ARCHITECT 14830 NORTH CAROLINA CHARLOTTE, N.C.

MPS ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE:	7/15/2026
PHASE:	Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:	MS
PROJECT ARCHITECT:	TAS
DRAWN BY:	JRM

SHEET NAME:

EQUIPMENT PLAN - LEVEL 01

SHEET NO.

A191

PROJECT NUMBER: JAZZID_14452

A/E PROJECT #: 02600404.00

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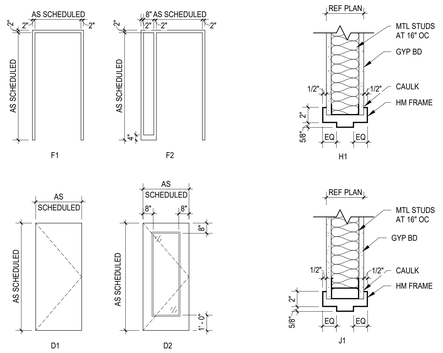
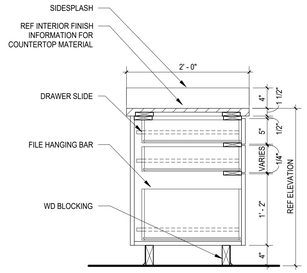
DOOR SCHEDULE

REV	TAG	TO ROOM #	TO ROOM NAME	DOOR WIDTH	DOOR HEIGHT	FIRE RATING	GLAZING TYPE	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HEAD TYPE	JAMB TYPE	HW SET	DOOR OPERATION	COMMENTS
	14307	14307	NURSE STATION	3'-0"	7'-3"		G4	D2	PLAM	W1	HM	H1	J1	INT-3	BADGE ACCESS, WT HINGE	
	14308	14309	CORRIDOR	3'-0"	7'-0"			D1	PLAM	F1	HM	H1	J1	INT-1	PASSAGE	
	46340	46337	NURSE STATION	3'-0"	7'-0"		G4	D2	PLAM	F2	HM	H1	J1	INT-2	BADGE ACCESS	

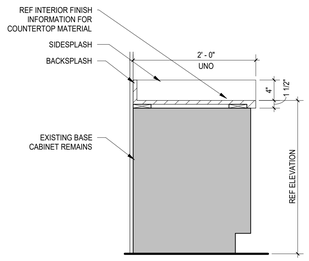


D5B A800 **DOOR FRAME TYPES**
1/4" = 1'-0"

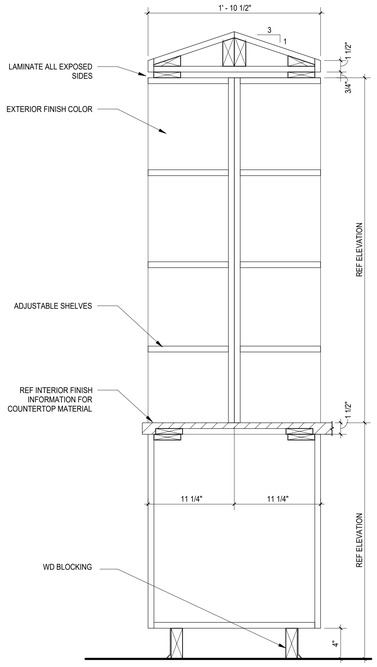
D5A A800 **HEAD AND JAMB DETAILS**
1 1/2" = 1'-0"



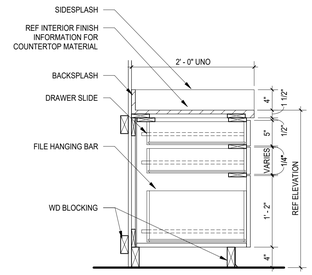
D4 A800 **DRAWER, DRAWER, FILE BASE CABINET**
1" = 1'-0"



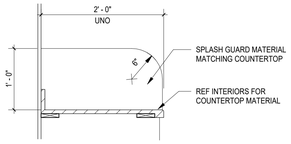
D3 A800 **COUNTERTOP OVER EXISTING BASE CABINET**
1" = 1'-0"



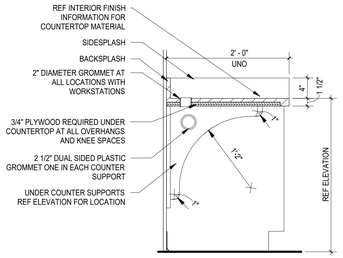
B5 A800 **BOOK SHELF TOPPER**
1 1/2" = 1'-0"



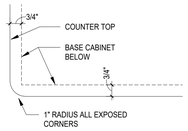
C4 A800 **DRAWER, DRAWER, FILE BASE CABINET**
1" = 1'-0"



C3 A800 **TYPICAL SPLASH GUARD DETAIL**
1" = 1'-0"

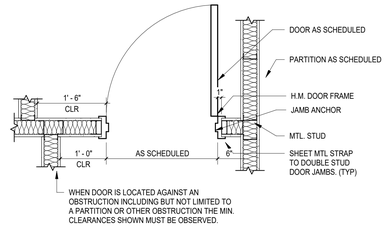


B4 A800 **COUNTERTOP WITH PLAM SUPPORT**
1" = 1'-0"

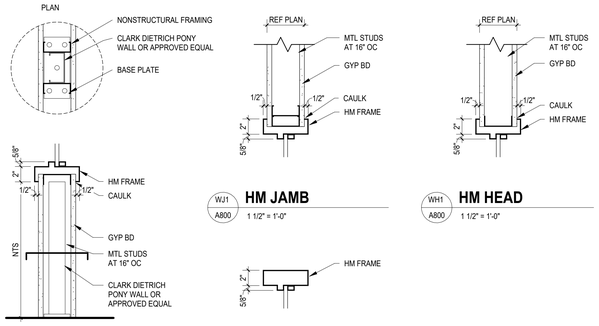


USE THIS DETAIL AT ALL EXPOSED COUNTERTOP CORNERS UNLESS NOTED OTHERWISE REGARDLESS OF SURFACE MATERIAL. PLAN DRAWINGS DO NOT ALWAYS SHOW A RADIUS AT THE CORNER BECUASE OF SCALE. THIS DETAIL NOT APPLICABLE WHERE COUNTERTOP CORNER BUTTS UP AGAINST A WALL.

B3 A800 **TYPICAL COUNTER TOP CORNER PLAN DETAIL**
3" = 1'-0"



E1 A800 **TYPICAL DOOR PLACEMENT**
3/4" = 1'-0"

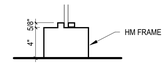


WS1 A800 **HM SILL**
1 1/2" = 1'-0"

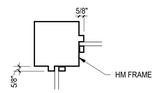
WJ1 A800 **HM JAMB**
1 1/2" = 1'-0"

WH1 A800 **HM HEAD**
1 1/2" = 1'-0"

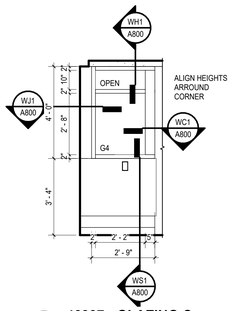
WJ2 A800 **HM OPEN END**
1 1/2" = 1'-0"



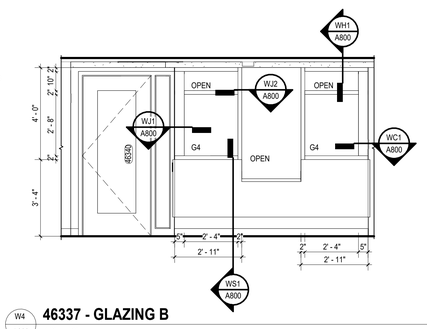
WS2 A800 **HM SILL AT FLOOR**
1 1/2" = 1'-0"



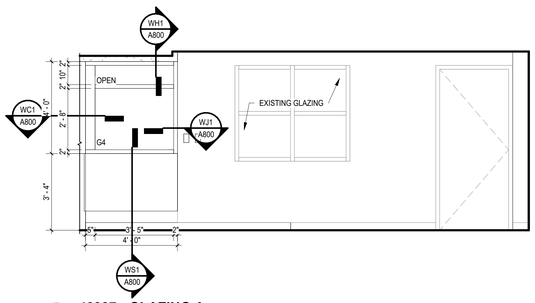
WC1 A800 **HM CORNER**
1 1/2" = 1'-0"



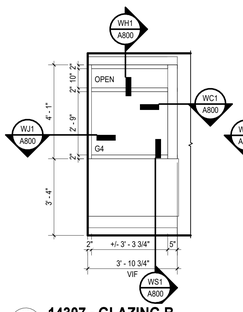
W5 A800 **46337 - GLAZING C**
3/8" = 1'-0"



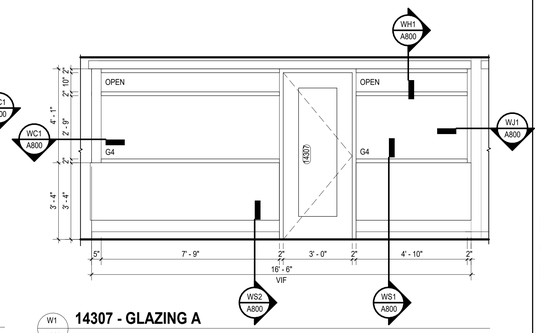
W4 A800 **46337 - GLAZING B**
3/8" = 1'-0"



W3 A800 **46337 - GLAZING A**
3/8" = 1'-0"



W2 A800 **14307 - GLAZING B**
3/8" = 1'-0"



W1 A800 **14307 - GLAZING A**
3/8" = 1'-0"

TITLE BLOCK 2.00.02 RM - Autodesk Docs://BIM360/AE.BIS Library/Title Blocks/ARCH/D_ANSI_Arch Full.rvt
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MPS ARCHITECTS, P.C. CERTIFIED ARCHITECTURAL CORPORATION CERT. NO. 54314 NORTH CAROLINA CHARLOTTE, NORTH CAROLINA

07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JRM

SHEET NAME:
DOOR SCHEDULE, GLAZING AND MILLWORK DETAILS

SHEET NO. A800

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

INTERIOR FINISH INFORMATION

LUXURY VINYL TILE
LVT-03 MANUFACTURER: MANNINGTON
PATTERN / STYLE: FEN
COLOR: BLUE THISTLE
SIZE: 18"X18" | 2.5MM | 30 MIL
INSTALL METHOD: MONOLITHIC
COMMENTS: **UNBEVELED EDGE**

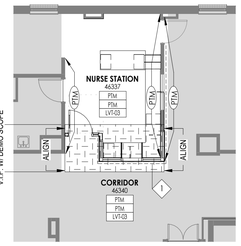
PAINT
P-31 MANUFACTURER: SHERWIN WILLIAMS
FINISH: EGGSHELL FINISH
COLOR: CEILING BRIGHT WHITE SW7007
COMMENTS: **CEILING PAINT ONLY | FLAT FINISH**

PLASTIC LAMINATE
LPLAM-01 MANUFACTURER: NEVAMAR
PATTERN: EDENWOOD WF0001T
COMMENTS: **VERTICAL SURFACES | GRAIN TO RUN VERTICALLY**

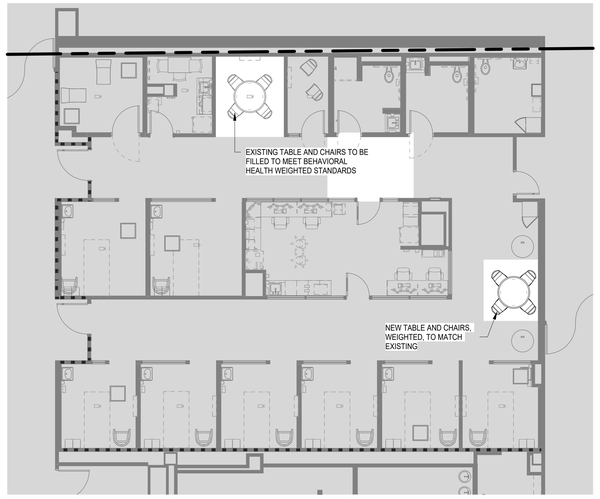
PLAM-03 MANUFACTURER: PIONITE
PATTERN: ZEN WW075
COMMENTS: **VERTICAL SURFACES | GRAIN TO RUN VERTICALLY**

SOLID SURFACE
SS-01 MANUFACTURER: LG HAUSEYS
PATTERN: HI-MACS
COLOR: TERRAZZO MODERNA Q003
COMMENTS: **COUNTERTOPS | SPLASH GUARDS**

HIGH IMPACT MATERIAL
HIM-01 MANUFACTURER: INPRO
PATTERN / STYLE: 406
COLOR: COLOR MATCH TO EXISTING PAINT COLOR, GC TO SEND IN SUBMITTALS FOR FINAL APPROVAL
SIZE: .060 THICK | 3' X 8' SHEET
COMMENTS: **DO NOT INSTALL ON EXTERIOR WALLS | CUTS MAY BE REQUIRED FOR INSTALLATION**



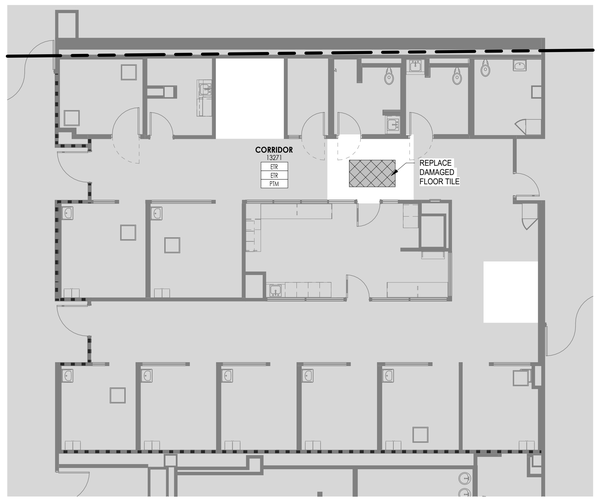
B5 / ID112 **INT - LEVEL 04 - INTERIOR FINISH PLAN - SR BH**
1/8" = 1'-0"



B4 / ID112 **INT - LEVEL 01 - FURNITURE PLAN - BH HOLDING**
1/8" = 1'-0"

NOTE: ALL FURNITURE TO BE SPECIFIED, PROCURED AND INSTALLED BY OFFICE ENVIRONMENTS IN COORDINATION WITH INTERIOR DESIGNER.

A5 / ID112 **INT - LEVEL 01 - INTERIOR FINISH PLAN - BH 1**
1/8" = 1'-0"



A4 / ID112 **INT - LEVEL 01 - INTERIOR FINISH PLAN - BH HOLDING**
1/8" = 1'-0"

INTERIOR FINISH NOTES

GENERAL
1. ALL NEW HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED, U.N.O.
2. CAULK AT BASE OF DOOR FRAME BETWEEN DOOR FRAME AND FLOOR MATERIAL, TYPICAL AT ALL LOCATIONS. CAULK TO BE COLOR MATCHED TO DOOR FRAME TRIM COLOR. IN BEHAVIORAL HEALTH SPACES, CAULK TO BE PICK RESISTANT.
3. ALL ITEMS EXPOSED TO VIEW SHALL BE FINISHED (I.E. PAINTED, STAINED, ETC.) UNLESS PREFINISHED BY MANUFACTURER. NO UNFINISHED SURFACES WILL BE ACCEPTED.

FLOORING
1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR WHEN IN THE "CLOSED" POSITION OR CENTER OF WALL OPENING IF THERE IS NO DOOR, U.N.O.
2. EXTEND FLOOR FINISH MATERIALS UNDER ANY MILLWORK THAT DOES NOT MEET THE FLOOR AND INTO KNEE AND TOE KICK SPACES, DOOR REVEALS, AND SIMILAR OPENINGS.
3. REFERENCE FLOOR DIRECTION ANNOTATIONS FOR CORRECT INSTALLATION OR SEAM DIRECTION. **DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS.**
4. FLOOR FINISHES TO BE IN ACCORDANCE WITH SECTION 804 NCBC.

WALLS
1. WALL AND CEILING FINISHES TO BE IN ACCORDANCE WITH SECTION 803 NCBC.

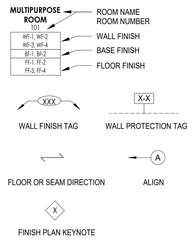
CEILINGS
1. REFER TO REFLECTED CEILING PLAN DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES. SOFFITS SHOULD BE PAINTED SPECIFIED COLOR AND FINISHED ON ALL THREE SIDES, U.N.O.
2. WALL AND CEILING FINISHES TO BE IN ACCORDANCE WITH SECTION 803 NCBC.

MILLWORK
1. PLASTIC LAMINATE WITH A VISUAL GRAIN SPECIFIED ON VERTICAL SURFACES TO RUN VERTICALLY, U.N.O.
2. WALL CAPS, WHERE APPLICABLE, SHALL BE SOLID SURFACE MATERIAL, U.N.O. REF INTERIOR FINISH INFORMATION FOR MATERIAL SPECIFICATION.

INTERIOR FINISH PLAN ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISHED FLOOR
ART	ARTWORK
AWP	ACOUSTICAL WALL PANEL
CG	CORNER GUARD
CPT	CARPET/ CARPET TILE
CR	CRASH RAIL
CT	CERAMIC TILE
DWC	DIGITAL WALL COVERING
DWP	DIGITAL WALL PANEL
EP	EPOXY PAINT
ERF	EPOXY RESIN FLOORING
ETR	EXISTING TO REMAIN
FILM	FILM
FRP	FIBERGLASS REINFORCED PANEL
GR	GROUT
HWSV	HEAT WELDED SHEET VINYL
HIM	HIGH IMPACT MATERIAL
HR	HANDRAIL
LVT	LUXURY VINYL TILE
MRB	MILLWORK PROFILE RESILIENT/ RUBBER BASE
MT	METAL TRIM
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
P	PAINT
PC	PRIVACY CURTAIN
PLAM	PLASTIC LAMINATE
PT	PORCELAIN TILE
PTB	PORCEILAIN TILE BASE
PTM	PATCH TO MATCH
QZ	QUARTZ
RB	RESILIENT/ RUBBER BASE
RP	RESIN PANEL
RSF	RUBBER SHEET FLOORING
RTF	RUBBER TILE FLOORING
SC	SPECIALTY CEILING
SCON	SEALED CONCRETE
SRB	SANITARY RESILIENT/ RUBBER BASE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STR	STAIR TREAD & RISER
TACK	TACKABLE SURFACE UPHOLSTERY
TBD	TO BE DETERMINED
TS	TRANSITION STRIP
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
WOM	WALK OFF MAT
WT	WINDOW TREATMENT

INTERIOR FINISH PLAN LEGEND



FINISH PLAN KEY NOTES X

1 GENERAL CONTRACTOR TO PRICE HIGH IMPACT MATERIAL AS A DEDUCT/ ALTERNATE WHERE NOTED. ASSUME WALL PROTECTION ASSEMBLY 1-A, OR TO UNDERSIDE OF FRAME.

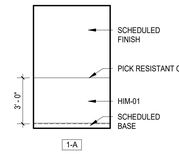
INTERIOR FLOOR FINISH LEGEND

LVT-03

ETR

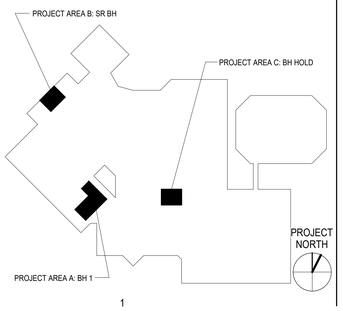
PTM

TYPICAL WALL PROTECTION ASSEMBLIES



RESILIENT BASE

KEY PLAN



Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
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Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

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TRACIE SANSAVER REGISTERED ARCHITECT 14830 NORTH CAROLINA CHARLOTTE, N.C.

MPC ARCHITECTS, P.C. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 54314 CHARLOTTE, NORTH CAROLINA

07/15/2026

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 7/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: CH

SHEET NAME:
INTERIOR FINISH & FURNITURE PLANS - LEVEL 01 & LEVEL 04

SHEET NO.
ID112

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

7/15/2026 2:22:15 PM - Autodesk Docs://CABARRUS BH AH Cabarrus BH Renovation/JAZZID_14452_AH Cabarrus_ID112_interior.rvt
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2018 APPENDIX B

NC MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

CLIMATE ZONE	3A
THERMAL ZONE	
WINTER DRY BULB	10 DEG F
SUMMER DRY BULB	98 DEG F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70 DEG F
SUMMER DRY BULB	75 DEG F
RELATIVE HUMIDITY	50%
BUILDING HEATING LOAD	EXISTING UNCHANGED
BUILDING COOLING LOAD	EXISTING UNCHANGED
MECHANICAL SPACE CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	N/A
HEATING EFFICIENCY	N/A
COOLING EFFICIENCY	N/A
HEAT OUTPUT OF UNIT	N/A
COOLING OUTPUT OF UNIT	N/A
BOILER	
TOTAL BOILER OUTPUT. IF OVERSIZED, STATE REASON.	EXISTING UNCHANGED
CHILLER	
TOTAL CHILLER OUTPUT. IF OVERSIZED, STATE REASON.	EXISTING UNCHANGED
LIST EQUIPMENT EFFICIENCES	

CODES/STANDARDS

- NORTH CAROLINA BUILDING CODES
  - NORTH CAROLINA BUILDING CODE 2018
  - NORTH CAROLINA MECHANICAL CODE 2018
  - NORTH CAROLINA ENERGY CONSERVATION CODE 2018
  - NORTH CAROLINA EXISTING BUILDING CODE 2018
  - NORTH CAROLINA PLUMBING CODE 2018
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
  - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS
  - NFPA 99-2021, HEALTHCARE FACILITIES CODE
- FACILITY GUIDELINES INSTITUTE - HOSPITAL FACILITIES DESIGN CODE - 2022 EDITION INCLUDING ALL ADDENDA
- ASHRAE STANDARDS:
  - 62.1-2013, VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
  - 90.1-2019, ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
  - 170-2021, VENTILATION OF HEALTH CARE FACILITIES
- SMACNA 2020, HVAC DUCT CONSTRUCTION STANDARDS-METAL & FLEXIBLE, 4TH EDITION
- BEHAVIORAL HEALTH DESIGN GUIDE - 2022 EDITION
- ATRIUM HEALTH FACILITY GUIDELINES

MECHANICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AAV	AUTOMATIC AIR VENT	HX	HEAT EXCHANGER
ADJ	ADJUSTABLE OR ADJUSTMENT	IND	INDUCTION UNIT
AI	ANALOG IN	IWC	INCHES WATER COLUMN
AO	ANALOG OUT	JB	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LPC	LOW PRESSURE CONDENSATE
AHU	AIR HANDLING UNIT	LPS	LOW PRESSURE STEAM
APD	AIRSIDE PRESSURE DROP	LWT	LEAVING WATER TEMPERATURE
BFF	BELOW FINISHED FLOOR	MAV	MANUAL AIR VENT
BLDG	BUILDING	MC	MECHANICAL CONTRACTOR
BMP	BOILER MANAGEMENT PANEL	MPC	MEDIUM PRESSURE CONDENSATE
CFM	CUBIC FEET PER MINUTE	MPS	MEDIUM PRESSURE STEAM
CMD	COMMAND	MTD	MONTH TO DATE
COND	CONDENSATE DRAINAGE	N/A	NOT AVAILABLE / NOT APPLICABLE
CV	CONSTANT VOLUME	NC	NORMALLY CLOSED
CWMU	COLD WATER MAKEUP UNIT	NIC	NOT IN CONTRACT
CHWR	CHILLED WATER RETURN	NO	NORMALLY OPEN
CHWS	CHILLED WATER SUPPLY	NTS	NOT TO SCALE
CWS	CONDENSER WATER SUPPLY	OCC	OCCUPANT OR OCCUPANCY
CWR	CONDENSER WATER RETURN	OA	OUTSIDE AIR
DI	DIGITAL IN	PC	PLUMBING CONTRACTOR
DO	DIGITAL OUT	PSI	POUNDS PER SQUARE INCH
DN	DOWN	RA	RETURN AIR
EA	EXHAUST AIR	RAG-X	RETURN AIR GRILLE - TYPE
EAG-X	EXHAUST AIR GRILLE - TYPE	RTU	ROOF TOP UNIT
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EC	ELECTRICAL CONTRACTOR	SAD-X	SUPPLY AIR DIFFUSER - TYPE
ESP	EXTERNAL STATIC PRESSURE	SC	SAFETY CIRCUIT
ETR	EXISTING TO REMAIN	S/S	START/STOP
EWT	ENTERING WATER TEMPERATURE	STM COND	STEAM CONDENSATE RETURN
EX	EXISTING	TAB	TEST AND BALANCE
FACP	FIRE ALARM CONTROL PANEL	TEMP	TEMPERATURE
FCU	FAN COIL UNIT	TSP	TOTAL STATIC PRESSURE
FPM	FEET PER MINUTE	UH	UNIT HEATER
GC	GENERAL CONTRACTOR	VEL	VELOCITY
GPM	GALLONS PER MINUTE	VAV	VARIABLE AIR VOLUME
HWS	HEATING HOT WATER SUPPLY	VP	VIRTUAL POINT
HWR	HEATING HOT WATER RETURN	WPD	WATERSIDE PRESSURE DROP
HP	HORSEPOWER	XFMR	TRANSFORMER
HPC	HIGH PRESSURE CONDENSATE		
HPS	HIGH PRESSURE STEAM		

MECHANICAL LEGEND

- LIMIT OF DEMOLITION
- POINT OF CONNECTION TO EXISTING
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- BEACON STROBE LIGHT FOR HVAC ALARM SYSTEM
- MANUAL VOLUME CONTROL DAMPER
- BDD — BACKDRAFT DAMPER
- M — MOTORIZED AIR DAMPER (PNEUMATIC - ELECTRIC M)
- VERTICAL FIRE DAMPER (WITH ACCESS DOOR AND SLEEVE)
- HORIZONTAL FIRE DAMPER (WITH ACCESS DOOR AND SLEEVE)
- VERTICAL FIRE-SMOKE DAMPER (PNEUMATIC - ELECTRIC)
- HORIZONTAL FIRE-SMOKE DAMPER (PNEUMATIC - ELECTRIC)
- SD — VERTICAL MOTORIZED SMOKE DAMPER
- SD — HORIZONTAL MOTORIZED SMOKE DAMPER
- RADIATION DAMPER FOR RATED CEILINGS
- CONSTANT AIRFLOW REGULATOR
- SD — DUCT MOUNTED SMOKE DETECTOR
- 3 BOX — DIFFUSER/GRILLE TAG; SIZE; CFM
- 2 BOX — DIFFUSER/GRILLE TAG; SIZE
- AIRFLOW DIRECTION
- SUPPLY REGISTER OR GRILLE
- EXHAUST OR RETURN GRILLE
- U — DOOR UNDERCUT
- DUCTWORK BREAK/CONTINUATION
- 10x10 — RECTANGULAR DUCTWORK
- Ø20 — ROUND DUCTWORK
- EXISTING DUCTWORK
- DUCTWORK TO BE DEMOLISHED
- FLEXIBLE DUCTWORK (INSULATED)
- DUCT ACCESS DOOR
- UP DN — SUPPLY DUCT (UP & DOWN)
- UP DN — EXHAUST DUCT (UP & DOWN)
- UP DN — RETURN DUCT (UP & DOWN)
- EXISTING PIPING TO REMAIN
- PIPING TO BE DEMOLISHED
- ISOLATION VALVE
- GATE VALVE
- GLOBE VALVE
- GATE VALVE WITH 3/4" HOSE ADAPTER
- CHECK VALVE
- BUTTERFLY VALVE
- BALL VALVE
- BALANCING VALVE
- RELIEF VALVE
- WYE STRAINER
- BOILER DRAIN VALVE
- PRESSURE REGULATING VALVE
- M — CONTROL VALVE (2-WAY)
- M — CONTROL VALVE (3-WAY)
- TEST PLUG (PRESSURE/TEMPERATURE)
- PIPING DOWN
- PIPING UP
- TEE UP
- TEE DOWN
- CAPPED PIPING
- CO — CLEAN OUT
- PIPE BREAK/CONTINUTATION
- IN LINE TRIPLE DUTY VALVE
- AUTOMATIC AIR VENT
- MANUAL AIR VENT

DRAWING SYMBOLS

- EQ.V 1.1 — EQUIPMENT TAG
- # — DEMOLITION KEYED NOTE
- # — NEW WORK KEYED NOTE
- # — REVISION TRIANGLE
- X / XXX — DETAIL NUMBER; DRAWING NUMBER
- XX / XXX — SECTION LETTER; DRAWING NUMBER

MPFP GENERAL NOTES

1. THE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. THE SCALE, WHEN INDICATED IS INTENDED FOR GENERAL REFERENCE ONLY.
2. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL MAKE A COMPLETE REVIEW OF THE PROJECT PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION OF THE SYSTEMS AND REVIEW ANY CONFLICTS WITH THE ENGINEER.
3. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND NATIONAL CODES. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. ANY EQUIPMENT OR MATERIAL DEVIATIONS FROM THAT SPECIFIED OR DETAILED ON THIS DRAWING SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER. ALL PROPOSED EQUIPMENT DEVIATIONS SUBMITTED SHALL BE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED.
4. DESIGN IS BASED ON THE MANUFACTURER AND MODEL SCHEDULED OR THE FIRST MANUFACTURER LISTED IN THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL BEAR ANY AND ALL COSTS FOR ALTERING ANY OTHER CONTRACT OR SUB-CONTRACT RESULTING FROM THE USE OF ANY MANUFACTURER OR MODEL OTHER THAN THE DESIGN BASIS INCLUDING LISTED EQUALS.
5. PRIOR TO PRICING, CONSTRUCTION, FABRICATING DUCTWORK, ORDERING EQUIPMENT, ETC., THE CONTRACTOR SHALL FIELD VERIFY SPACE LIMITATIONS AT THE JOB SITE AND COORDINATE WITH OTHER TRADES.
6. UNLESS OTHERWISE NOTED, ALL MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK UNDER THE CONTRACT SHALL BE NEW, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED, AND TO THE EXTENT POSSIBLE, STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE CALLED FOR. THEY SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
7. THE MECHANICAL AND PLUMBING CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGE CAUSED BY THEIR ACTIONS. SUCH DAMAGE SHALL BE RETURNED TO ORIGINAL NORMAL WORKING CONDITION, SUBJECT TO ACCEPTANCE OF THE OWNER AND ENGINEER, WITHOUT EXTRA COST TO THE OWNER.
8. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL KEEP THEIR WORK SITE AND ALL ACCESS POINTS OF THE BUILDING FREE OF RUBBISH AND WASTE MATERIAL. REFER TO ARCHITECTURAL DRAWINGS, AS AVAILABLE, FOR LOCATIONS OF ALL RATED WALL AND FLOOR ASSEMBLIES. PROVIDE FIRE DAMPERS AND/OR U.L. LISTED ASSEMBLIES AND/OR SEALANTS PER DRAWINGS, SPECIFICATIONS, AND APPLICABLE CODES AT ALL PENETRATIONS.
9. THE MECHANICAL OR PLUMBING CONTRACTOR SHALL FURNISH ACCESS DOORS FOR ALL GYPSUM BOARD CEILINGS AT ANY EQUIPMENT OR OTHER ITEMS REQUIRING ACCESS OR SERVICE. ACCESS DOORS SHALL BE INSTALLED BY THE GENERAL CONTRACTOR. SEE PLANS AND GENERAL CONSTRUCTION SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS.

INSULATION

10. ANY INSULATION DAMAGED DURING THE PROJECT SHALL BE REPAIRED AND ALL VAPOR BARRIERS RESTORED.

COORDINATION

11. ALL SHUTDOWNS SHALL BE COORDINATED AND APPROVED THROUGH THE OWNERS' REPRESENTATIVE AND WILL REQUIRE ADVANCE NOTICE OF TWO WEEK MINIMUM. THIS TIME/LENGTH MAY BE LONGER OR SHORTER FOR SOME SHUTDOWNS AND SHALL BE AT THE OWNER'S DISCRETION.

DEMOLITION AND NEW WORK

12. THESE DRAWINGS DEFINE THE BASIC AREA OF DEMOLITION AND ARE AS ACCURATE AS WAS POSSIBLE FROM SITE INVESTIGATIONS MADE DURING THE DESIGN PROCESS. NOT ALL EXISTING MATERIALS AND EQUIPMENT ARE SHOWN. ANY MECHANICAL MATERIALS AND EQUIPMENT THAT ARE NOT BEING USED AFTER THE RENOVATION SHALL BE REMOVED WHETHER SHOWN OR NOT. NO MATERIALS OR EQUIPMENT SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED.
13. ALL EQUIPMENT TO BE REUSED IS TO BE CLEANED. ANY EQUIPMENT FOUND TO BE NON-FUNCTIONING SHALL BE DOCUMENTED AND BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO COMMENCEMENT OF DEMOLITION. IF PROPER NOTIFICATION IS NOT PROVIDED THEN REPAIR OR REPLACEMENT OF THE EQUIPMENT SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
14. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS REQUIRED FOR THEIR WORK. ALL MATERIALS REQUIRED FOR TESTING (E.G. - SMOKE GENERATORS) SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. IF A PROJECT FAILS AN INSPECTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH THE RE-INSPECTION.
15. ANY EQUIPMENT OR MATERIAL DEVIATIONS FROM THAT SPECIFIED OR DETAILED ON THIS DRAWING SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER. ALL PROPOSED EQUIPMENT DEVIATIONS SUBMITTED SHALL BE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED.
16. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY APPROVED THIRD PARTY LISTING AGENT.
17. DUCTWORK AND PIPING LAYOUTS AND LOCATIONS ARE SCHEMATIC. DO NOT SCALE THESE DRAWINGS. EXACT ROUTING OF DUCTWORK AND PIPING MUST BE DETERMINED IN THE FIELD. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY ACTUAL MEASUREMENT AND OBSERVATION BEFORE ORDERING OR FABRICATING ANY DUCTWORK, PIPING OR EQUIPMENT. ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS OR DIMENSIONS SHALL BE REPORTED TO THE ENGINEER BEFORE THE PERFORMANCE OF ANY WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE THE CONTRACTOR'S ACCEPTANCE OF THE EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF THEIR WORK.
18. DUCTWORK AND PIPING SHALL BE KEPT AS CLOSE AND HIGH AS POSSIBLE TO THE BUILDING WALLS, CEILING AND FLOOR AND ROOF STRUCTURE IN ORDER THAT THE MAXIMUM AMOUNT OF SPACE IS AVAILABLE. ADDITIONAL OFFSETS, FITTINGS, ETC. NOT SHOWN BUT REQUIRED TO MAINTAIN MAXIMUM CLEARANCE SHALL BE PROVIDED AT NO ADDITIONAL COST.
19. EXISTING FLOOR DRAINS SHALL BE COVERED DURING DEMOLITION AND NEW WORK CONSTRUCTION.

PLUMBING SPECIFICATIONS

A. GENERAL
1. FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., FOR THE COMPLETE PLUMBING SYSTEM. INSTALL COMPLETE AND PLACE IN OPERATION.
2. CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY ARCHITECT AND/OR OWNER.
3. PRODUCTS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, ETC. OF ALL AUTHORITIES HAVING JURISDICTION. WHERE CONFLICTS EXIST BETWEEN CODES, STANDARDS OR THIS SPECIFICATION THE MOST STRINGENT SHALL APPLY. DEVIATIONS FROM THE CONTRACT DOCUMENTS REQUIRED BY THE ABOVE AUTHORITIES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. OBTAIN PERMITS AND PAY ALL FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS. CONFIRM ALL UTILITY COMPANY REQUIREMENTS AND CONNECTION POINTS IN THE FIELD, PRIOR TO STARTING WORK.
4. ALL SPECIFICATIONS AND DRAWINGS, I.E., ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ARE COMPLIMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ANY INFORMATION CONFLICTS WITHIN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
5. VISIT SITE, CHECK FACILITIES AND CONDITIONS. MAKE ALL NECESSARY OBSERVATIONS, MEASUREMENTS, NOTE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED, AND TAKE ALL ITEMS INTO CONSIDERATION IN BID.
6. THE CONTRACTOR SHALL PROVIDE FOR THEIR OWN CLEAN-UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH DAILY. CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING OR ADJACENT PROPERTY AGAINST WEATHER, TO MAINTAIN THEIR WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. ANY WORK DAMAGED BY FAILURE TO PROVIDE THE PROTECTION REQUIRED SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S PROJECT MANAGER PRIOR TO, AND FOR, SCHEDULING ANY INTERRUPTION OF ANY BUILDING UTILITY.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF WORKMEN.
9. ALL PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, BEHIND WALLS, IN PARTITIONS OR FURRED SPACES UNLESS OTHERWISE NOTED. ALL SERVICES SHALL RUN OVERHEAD WHERE POSSIBLE, WITH VALVING ACCESSIBLE IN THE AREA.
10. NO PIPING, CONTROLS, ETC., SHALL BE INSTALLED OR ROUTED ABOVE ELECTRICAL PANELS AND EQUIPMENT OR THROUGH ELEVATOR MACHINE ROOMS.
11. ALL EQUIPMENT AND MATERIAL FOR THIS PROJECT WILL BE NEW UNLESS SPECIFICALLY INDICATED OTHERWISE.
12. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. THE CONTRACTOR SHALL COORDINATE AND OBTAIN A WRITTEN LISTING OF ELECTRICAL CHARACTERISTICS OF ALL PLUMBING EQUIPMENT FROM THE ELECTRICAL CONTRACTOR PRIOR TO THE ORDERING OF EQUIPMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR LACK OF CONTRACTOR COORDINATION OF ELECTRICAL CHARACTERISTICS.
13. PROVIDE SLEEVES EXTENDING 2" MINIMUM ABOVE FINISHED FLOOR AND FIRE STOP ALL FLOOR PENETRATIONS.
14. WORK RELATED TO THE EXISTING BUILDING SHALL BE COORDINATED TO MINIMIZE THE INTERFERENCE OR INTERRUPTION OF NORMAL BUILDING USE BY OWNER. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS.
15. IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT OF NEED FOR EXPLANATION THEREOF, THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. NO CHANGES ARE TO BE MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL HOLD THE OWNER AND ITS CONSULTANTS HARMLESS AGAINST ALL CLAIMS AND JUDGEMENTS ARISING OUT OF THE CONTRACTOR'S PERFORMANCE OF THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK IN WHICH ADDITIONAL COMPENSATION IS EXPECTED BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.
16. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL ALL SYSTEMS SO AS TO ENSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO THE QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
17. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", LATEST EDITION. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT TIES, WHICH MAY BE GRADE 40. ALL REINFORCING BARS SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315 AND CONCRETE REINFORCING STEEL INSTITUE RECOMMENDATIONS. CONCRETE CURING PROCEDURES SHALL BE IN ACCORDANCE WITH ACI 301. CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH 3500 PSI MINIMUM 28 DAY COMPRESSION STRENGTH.

B. DRAWINGS
1. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE AND GENERAL ARRANGEMENT OF WORK. CONFIRM ALL DIMENSIONS BY FIELD MEASUREMENT.
2. THE EXACT LOCATIONS FOR APPARATUS, FIXTURES, EQUIPMENT AND PIPING WHICH IS NOT COVERED BY DRAWINGS, SHALL BE OBTAINED FROM THE ARCHITECT OR THEIR REPRESENTATIVE IN THE FIELD, AND THE WORK SHALL BE LAID OUT ACCORDINGLY.
3. ALL OFFSETS, RISES, TRANSITIONS AND DROPS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
4. LOCATIONS OF TERMINAL DEVICES, PLUMBING FIXTURES, ETC., ARE APPROXIMATE. LOCATE PER THE ARCHITECTURAL DRAWINGS AND TO AVOID OTHER TRADE'S WORK. COORDINATE LOCATIONS WITH OTHER TRADES. CONSULT ARCHITECT/ENGINEER FOR CLARIFICATION IF CONFLICTS OCCUR.
5. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE SUPPLEMENTARY. ANY MATERIALS, LABOR OR SERVICES REQUIRED BY EITHER IS TO BE CONSIDERED AS REQUIRED FOR THE PROJECT.
6. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS UPON PROJECT COMPLETION.

C. DEMOLITION
1. DEMOLITION SHALL BE DONE IN A MANNER TO NOT DAMAGE ADJACENT WORK AND NOT AFFECT THE OPERATION OF SYSTEMS TO REMAIN IN USE. ANY ITEM TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR OR THAT REQUIRES DAMAGE DUE TO THE ABSOLUTE NECESSITY FOR DEMOLITION REQUIREMENTS SHALL BE REPLACED AND/OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. DISCONNECT, DISASSEMBLE, CAP, PLUG AND REMOVE ALL MEP ELEMENTS (PIPING, ELECTRICAL DEVICES, WIRING, CONDUIT, EQUIPMENT, HANGERS, SUPPORTS, ETC) INDICATED ON THE DRAWINGS OR NOT OTHERWISE REQUIRED FOR COMPLETED PRODUCT. NO MEP ELEMENTS ARE TO BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED. NOT ALL ITEMS TO BE REMOVED ARE INDICATED ON DRAWING.
3. ALL OPENINGS IN PIPING THAT REMAIN SHALL BE CAPPED AND PROPERLY SECURED. WIRING SHALL BE DISCONNECTED AT CIRCUIT BREAKERS AND REMOVED AND BREAKERS MARKED "SPARE ".
4. ANY EQUIPMENT DESIGNATED BY OWNER TO BE SALVAGED SHALL BE PROTECTED AND DELIVERED TO AN OWNER DESIGNATED AREA ON SITE.

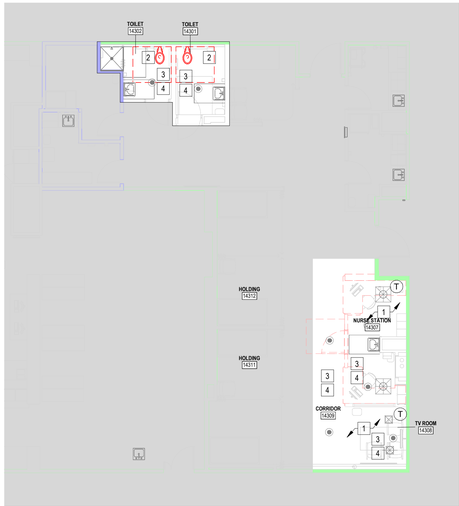
E. CUTTING, PATCHING AND DRILLING
1. ALL CUTTING AND PATCHING OF THE BUILDING CONSTRUCTION REQUIRED FOR THE DIVISIONS OF THE WORK SHALL BE BY THE RESPECTIVE CONTRACTOR REQUIRING SAME UNLESS THIS WORK IS INDICATED ON ARCHITECTURAL DRAWINGS AND CONFIRMED AS TO SIZE AND LOCATION PRIOR TO NEW CONSTRUCTION. CUTTING SHALL BE IN A NEAT AND WORKMANLIKE MANNER SO AS TO MINIMIZE PATCHING.
2. NEATLY SAW CUT ALL RECTANGULAR OPENINGS, SET SLEEVE THROUGH OPENING, AND FINISH PATCH OR PROVIDE TRIM FLANGE AROUND OPENING.
3. NEATLY SAW CUT FLOORS FOR SEWER INSTALLATION AND PATCH FLOOR TO MATCH EXISTING, INCLUDING FLOOR COVERING OR FINISH.
4. CORE DRILL AND SLEEVE OPENINGS.
5. DO NOT CUT ANY STRUCTURAL COMPONENTS WITHOUT THE ARCHITECT'S APPROVAL.
6. PATCH AND FINISH TO MATCH ADJACENT AREAS THAT HAVE BEEN CUT, DAMAGED OR MODIFIED AS A RESULT OF THE INSTALLATION OF PLUMBING EQUIPMENT. FIRE STOP ALL PENETRATIONS OF FIRE RATED CONSTRUCTION IN A CODE APPROVED MANNER.
7. THE CONTRACTOR SHALL CONFIRM WITH OWNER, PRIOR TO BID, TIMES AVAILABLE FOR NOISE PRODUCING WORK SUCH AS CUTTING AND CORE DRILLING OF FLOORS, WALLS, ETC., AS WELL AS TIMES FOR WORK WHICH REQUIRE ACCESS INTO ADJOINING TENANT SPACES. INCLUDE ANY REQUIRED PREMIUM TIME TO COMPLY WITH THESE TIMES IN BID.
8. INFORMATION REGARDING REQUIRED PIPE OR OTHER OPENINGS IN WALLS, FLOORS, CHASES, ETC., AND CONCRETE EQUIPMENT PADS OR FOUNDATIONS ARE TO BE PROVIDED TO THE GENERAL CONTRACTOR BY THIS CONTRACTOR PRIOR TO THE CONSTRUCTION PERIOD. IF THIS CONTRACTOR FAILS TO COMPLY WITH THIS REQUEST, OR PROVIDES INCORRECT INFORMATION, THIS CONTRACOTR WILL BE RESPONSIBLE FOR ALL CORRECTIVE COSTS FOR ALL NECESSARY CUTTING, PATCHING OR OTHER CORRECTION WHICH WILL BE PERFORMED BY THE GENERAL CONTRACTOR.

F. WARRANTY
1. INCLUDED AS A PART OF THE WORK UNDER EACH PLUMBING, MECHANICAL, OR ELECTRICAL SECTION, ALL MATERIALS, APPARATUS, AND EQUIPMENT INSTALLED AND SERVICES TO BE PROVIDED ARE WARRANTED FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP. ANY PORTION OF THE WORK WHICH MAY PROVE DEFECTIVE WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY THE OWNER, SHALL BE REPLACED OR REPAIRED IN AN APPROVED MANNER WITHOUT ADDITIONAL COST TO THE OWNER. IN ADDITION TO THIS ONE (1) YEAR WARRANTY.
2. WITHOUT REGARD TO THE TIME OF DISCOVERY, ANY AND ALL PORTIONS OF THE WORK FOUND NOT IN COMPLIANCE WITH THE CONTRACT SHALL BE REPLACED OR REPAIRED IN AN APPROVED MANNER WITHOUT ADDITIONAL COST TO THE OWNER. SAID REPAIR OR REPLACEMENT SHALL BE REQUIRED AS THE SPECIFIC PERFORMANCE OF THE CONTRACT AND IS NOT TO BE CONSIDERED AS WAIVING ANY OTHER RECOURSE OR REMEDIES AVAILABLE TO THE OWNER.

G. SHOP DRAWING SUBMITTALS
1. SUBMIT SHOP DRAWINGS FOR PLUMBING FIXTURES WITH ADEQUATE DETAILS AND SCALES TO CLEARLY INDICATE CONSTRUCTION. INDICATE THE OPERATING CHARACTERISTICS FOR EACH REQUIRED ITEM. CLEARLY IDENTIFY EACH ITEM ON THE SUBMITTAL AS TO MARK, LOCATION AND USE, USING SAME IDENTIFICATION AS PROVIDED ON DESIGN DRAWINGS. STRIKE OUT ALL ITEMS THAT DO NOT APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL ALLOW SUFFICIENT TIME (2 WEEKS) FOR SHOP DRAWING REVIEWS BY THE ENGINEER TO MEET THE OWNER'S CONSTRUCTION SCHEDULE.
3. CONTRACTOR SHALL REVIEW AND INDICATE APPROVAL OF EACH SHOP DRAWING PRIOR TO SUBMITTAL FOR REVIEW. ALL COSTS FOR STARTING WORK OR FABRICATION PRIOR TO SHOP DRAWING REVIEW AND RETURN TO THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. SUBMITTALS WILL BE REVIEWED ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND NOT FOR DIMENSIONS OR QUANTITIES. THE SUBMITTAL REVIEW DOES NOT WAIVE THE CONTRACTOR'S RESPONSIBILITY FOR PURCHASE OF ANY ITEM OR COMPLETE COMPLIANCE WITH THE CONTRACT DOCUMENTS.
5. WHERE SUBMITTALS VARY FROM THE CONTRACT REQUIREMENTS, THE CONTRACTOR SHALL CLEARLY INDICATE THE NATURE AND REASON FOR VARIATIONS ON SUBMITTAL OR ACCOMPANYING DOCUMENTS.
6. THE CONTRACTOR MUST CHECK THE APPLICATION OF EQUIPMENT AND CERTIFY AT TIME OF SHOP DRAWING SUBMITTAL THAT EQUIPMENT HAS BEEN PROPERLY APPLIED AND CAN BE INSTALLED, SERVICED AND MAINTAINED WHERE INDICATED ON DRAWINGS. ADVISE ENGINEER IN WRITING WITH SUBMITTAL DRAWINGS OF ANY POTENTIAL PROBLEMS. WHERE CERTIFICATION IS NOT EXPRESSED, SUBMITTAL IMPLIES CERTIFICATION.

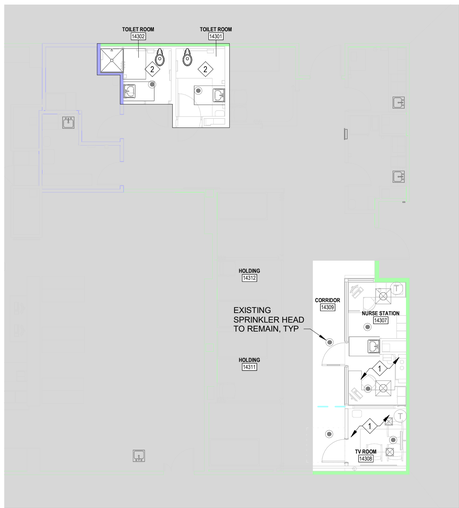
H. RECORD DRAWINGS (AS-BUILTS)
1. EACH CONTRACTOR OR SUBCONTRACTOR SHALL KEEP ONE (1) COMPLETE SET OF THE CONTRACT WORKING DRAWINGS ON THE JOB SITE AND REGULARLY RECORD ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION.
2. THESE DRAWINGS SHALL RECORD THE LOCATION OF ALL CONCEALED EQUIPMENT, PIPING, SEWERS, SANITARY PIPING, VENTS, AND OTHER PIPING, BY MEASURED DIMENSIONS TO EACH SUCH ITEM FROM READILY IDENTIFIABLE AND ACCESSIBLE WALLS OR CORNERS OF THE BUILDING. PLANS ALSO SHALL SHOW INVERT ELEVATION OF SEWERS AND TOP ELEVATION OF ALL OTHER BELOW-GRADE PIPING.
3. RECORD DRAWINGS SHALL BE KEPT CLEAN AND UNDAMAGED AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN RECORDING DEVIATIONS FROM WORKING DRAWINGS AND EXACT LOCATIONS OF CONCEALED WORK.
4. AT PROJECT COMPLETION, SCANNED PDF COPY OF THE AS-BUILT DRAWING SHALL BE DELIVERED AT PROJECT COMPLETION TO THE ARCHITECT OR OWNER, AS DIRECTED, IN GOOD CONDITION, AS A PERMANENT RECORD OF THE INSTALLATION AS ACTUALLY CONSTRUCTED.

I. FIRESTOPPING
1. ALL SERVICES THAT PASS THRU FIRE OR SMOKE RATED PARTITIONS, WALLS, FLOORS, SHALL BE FIRESTOPPED. FIRE STOPPING RATING SHALL MATCH PARTITION RATING. ALL FIRE STOPPING SYSTEMS SHALL MEET THE REQUIREMENTS OF AS



1 LEVEL 01 - AREA A - BH 1 - MECHANICAL - DEMOLITION PLAN

SCALE: 1/8" = 1'-0"



2 LEVEL 01 - AREA A - BH 1 - MECHANICAL - NEW WORK PLAN

SCALE: 1/8" = 1'-0"

WATER HAMMER ARRESTOR SCHEDULE *	
NO. OF FIXTURE UNITS	ZURN SERIES
1 - 11	Z-1700 - 100
12 - 32	Z-1700 - 200
33 - 60	Z-1700 - 300
61 - 113	(2) Z-1700 - 300

* FOR FIXTURE UNITS IN EXCESS OF 113 VERIFY SIZE AND No. PRIOR TO INSTALLATION.

URINAL - 5 F.U., WATER CLOSET - 10 F.U., CLINIC SERVICE SINK - 10 F.U., BED PAN WASHER - 10 F.U.

3 WATER HAMMER ARRESTOR PIPING DIAGRAM

SCALE: NTS

PIPING INSULATION MATERIAL AND WALL THICKNESS							
SERVICE	INSULATION MATERIAL	VAPOR BARRIER REQUIRED	INSULATION WALL THICKNESS AT THE FOLLOWING NOMINAL PIPE DIAMETERS				
			1" and Less	1 1/4" - 2"	NOT USED	NOT USED	NOT USED
DOMESTIC HOT WATER AND RECIRCULATING PIPING	GLASS FIBER	NO	1"	1 1/2"			
DOMESTIC COLD WATER PIPING	GLASS FIBER	YES	1"	1"			

4 PIPING INSULATION MATERIAL AND WALL THICKNESS

SCALE: NTS

GENERAL NOTES:

A. PLUMBING CONTRACTOR SHALL COORDINATE THE SHUTDOWN OF AREA OF WORK A MINIMUM OF 2 WEEKS PRIOR WITH ATRIUM HEALTH PROJECT MANAGER, DEPARTMENT MANAGER AND POM.

B. PLUMBING CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT AND PIPING PRIOR TO PROVIDING PRICING.

C. NEW PIPING SHALL BE INSULATED AS SHOWN IN THE PIPING INSULATION SCHEDULE THIS SHEET, ANY INSULATION DAMAGED BY THE NEW WORK SHALL BE REPAIRED ACCORDING TO THE PIPING INSULATION SCHEDULE.

DEMOLITION KEY NOTES:

1. CEILING MOUNTED DEVICES SHOWN FOR COORDINATION PURPOSES ONLY. COORDINATE WITH ARCHITECTURAL SCOPE AS REQUIRED.
2. DEMOLISH EXISTING TOILET. PREPARE ASSOCIATED PIPING FOR CONNECTION TO NEW TOILET IN NEW WORK PHASE OF PROJECT. EXISTING FLUSH VALVE AND SENSOR TO REMAIN.
3. EXISTING SPRINKLER HEADS, THIS SPACE, TO REMAIN. CONFIRM EXISTING SPRINKLERS, THIS SPACE, ARE IMPACT, TAMPER, AND LIGATURE-RESISTANT AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
4. EXISTING AIR DISTRIBUTION DEVICES, THIS SPACE, TO REMAIN. CONFIRM EXISTING AIR DISTRIBUTION DEVICES, THIS SPACE, ARE IMPACT, TAMPER, AND LIGATURE-RESISTANT AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

NEW WORK KEY NOTES:

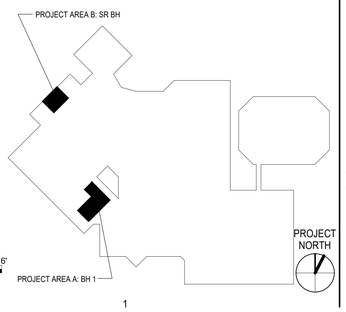
1. CEILING MOUNTED DEVICES SHOWN FOR COORDINATION PURPOSES ONLY. COORDINATE WITH ARCHITECTURAL SCOPE AS REQUIRED.
2. PROVIDE NEW LIGATURE AND VANDAL RESISTANT SOLID SURFACE, BACK-TO-WALL TOILET SUITABLE FOR THROUGH THE WALL INSTALLATION AND CONNECTION TO EXISTING DOMESTIC WATER, SANITARY WASTE AND SANITARY VENT PIPING. BASIS OF DESIGN CWC156 BY BRITEX WITH DARK GREY FIXED SEAT . FIXTURE SHALL BE PROVIDED WITH INLET SEAL AND WASTE ADAPTOR TO ALLOW FOR INSTALLATION USING THE EXISTING 4-1/4" ROUGH-IN. PLUMBING CONTRACTOR SHALL FIELD VERIFY COMPATABILITY WITH THE EXISTING WASTE ROUGH-IN PRIOR TO PROVIDING PRICING. EXISTING FLUSH VALVE AND SENSOR PLATE SHALL REMAIN. PLUMBING CONTRACTOR SHALL CONFIRM COMPATIBILITY, AND INCLUDE IN THEIR PRICING, ANY ADJUSTMENT REQUIRED TO CONNECT THE NEW FIXTURE TO THE EXISTING FLUSH VALVE . ENSURE WATER HAMMER ARRESTOR IS PROVIDED.

LIFE SAFETY LEGEND

RATING LEGEND

RGB 000-000-000	BUILDING SEPARATION
RGB 255-000-000	3 HR & 4 HR FIRE WALL SEPARATION (NCBC SECTION 706)
RGB 255-127-191	2 HR FIRE BARRIER (NCBC SECTION 707)
RGB 111-063-127	2 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
RGB 000-000-255	1 HR FIRE BARRIER (NCBC SECTION 707)
RGB 165-165-082	1 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
RGB 000-255-255	1 HR FIRE PARTITION (NCBC SECTION 708)
RGB 000-255-000	SMOKE PARTITION (NCBC SECTION 407/710)
RGB 255-127-000	SUITE BOUNDARY (NCBC SECTION 407.4.4.2/710)

KEY PLAN



1/8"=1'-0" 8' 4' 0 8' 16'

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Designed JMW Drawn JMW
Checked JMW Date 07/15/2026
Project No. 06681-0043

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McKIM&CREED
ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 063105 07.15.2026 ENGINEER JACOB M. WISE

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JMW

SHEET NAME:
MECHANICAL AND PLUMBING - LEVEL 01 - DEMOLITION & NEW WORK PLAN

SHEET NO. MP101
PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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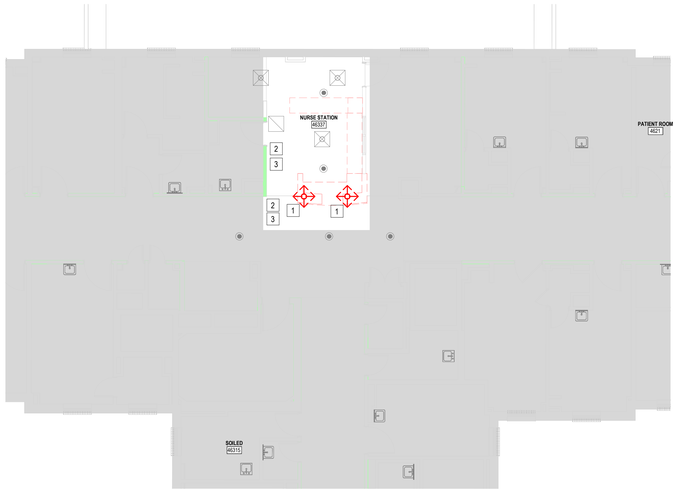
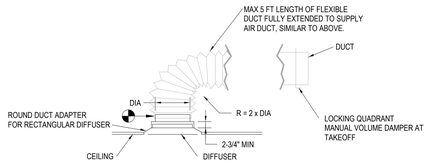


1 LEVEL 04 - AREA B - SENIOR BH - MECHANICAL - DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

2 LEVEL 04 - AREA B - SENIOR BH - MECHANICAL - NEW WORK PLAN
SCALE: 1/8" = 1'-0"



NOTES:

- ALL RUNOUT DUCT SIZES SHALL MATCH AIR DISTRIBUTION NECK SIZE FOR A DISTANCE OF AT LEAST 5' UNLESS OTHERWISE NOTED
- PROVIDE FLEX DUCT SADDLE WHERE NECESSARY TO MAINTAIN FLEX DUCT RADIUS SPECIFIED ABOVE
- DIFFUSERS TO BE INDEPENDENTLY MOUNTED

3 DIFFUSER CONNECTION
SCALE: NOT TO SCALE

GENERAL NOTES:

A. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, DUCTWORK, AIR DISTRIBUTION AND OTHER CEILING MOUNTED DEVICES PRIOR TO PROVIDING PRICING.

DEMOLITION KEY NOTES:

1. REMOVE EXISTING AIR DISTRIBUTION TO ACCOMMODATE ARCHITECTURAL WORK. CLEAN AND STORE AIR DISTRIBUTION FOR REINSTALLATION IN THE NEW WORK PHASE OF THE PROJECT. EXISTING FLEX DUCT SHALL REMAIN.
2. EXISTING SPRINKLER HEADS, THIS SPACE, TO REMAIN. CONFIRM EXISTING SPRINKLERS, THIS SPACE, ARE IMPACT, TAMPER, AND LIGATURE-RESISTANT AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
3. CONFIRM EXISTING AIR DISTRIBUTION DEVICES, THIS SPACE, ARE IMPACT, TAMPER, AND LIGATURE-RESISTANT AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

NEW WORK KEY NOTES:

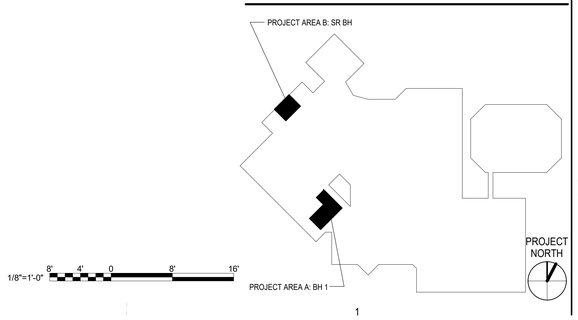
1. INSTALL EXISTING AIR DISTRIBUTION INTO THE CEILING SYSTEM AT LOCATION SHOWN. COORDINATE WITH OTHER OTHER CEILING MOUNTED DEVICES. ENSURE MINIMUM REQUIRED DISTANCE BETWEEN AIR DISTRIBUTION AND SMOKE HEADS IS MAINTAINED.

LIFE SAFETY LEGEND

RATING LEGEND

RGB 000-000-000	BUILDING SEPARATION
RGB 255-000-000	3 HR & 4 HR FIRE WALL SEPARATION (NCBC SECTION 706)
RGB 255-127-191	2 HR FIRE BARRIER (NCBC SECTION 707)
RGB 111-063-127	2 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
RGB 000-000-255	1 HR FIRE BARRIER (NCBC SECTION 707)
RGB 165-145-082	1 HR FIRE/SMOKE BARRIER (NCBC SECTION 407.5/709)
RGB 000-255-255	1 HR FIRE PARTITION (NCBC SECTION 708)
RGB 000-255-000	SMOKE PARTITION (NCBC SECTION 407/710)
RGB 255-127-000	SUITE BOUNDARY (NCBC SECTION 407.4.4.2/710)

KEY PLAN



1/8"=1'-0" 8' 4' 0 8' 16'

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Designed JMW Drawn JMW
Checked JMW Date 07/15/2026
Project No. 06681-0043

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Atrium Health
PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 063105 07.15.2026 ENGINEER JACOB M. WIESE

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JMW

SHEET NAME:
MECHANICAL AND PLUMBING - LEVEL 04 - DEMOLITION & NEW WORK PLAN

SHEET NO. MP102
PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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GENERAL

#	DEMOLITION KEYED NOTE
#	NEW WORK KEYED NOTE
#	REVISION TAG

LIGHTING CONTROLS

WALL	CEILING	
OS X	OS X	DUAL TECHNOLOGY OCCUPANCY SENSOR IN FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) CEILING-MOUNTED OUTLET BOX. 'X' DENOTES CONTROL ZONE
$ X		SINGLE-POLE SWITCH - 'X' DENOTES TYPE (MAY BE MULTIPLE):

a,b,c z1,z2,z3	SWITCH / CONTROL ZONE / GROUP	MC	MOTOR STARTER
		M	MOTOR STARTER, MOTOR RATED
3	THREE-WAY	OS	DUAL TECH OCCUPANCY SENSOR
4	FOUR-WAY	OS2	DUAL TECH, DUAL CIRCUIT OCCUPANCY SENSOR
D	DIMMER	OSD	DUAL TECH OCCUPANCY SENSOR DIMMER
E	EMERGENCY (RED COLOR)	P	PILOT LIGHT
F	FAN	T	TIMER SWITCH WITH VISUAL AND AUDIBLE OFF WARNING
K	KEY OPERATED	VS	DUAL TECH VACANCY SWITCH
LV	LOW VOLTAGE	VS2	DUAL TECH, DUAL CIRCUIT VACANCY SENSOR
LVD	LOW VOLTAGE DIMMER	VSD	DUAL TECH VACANCY SWITCH DIMMER
LV2D	LOW VOLTAGE, 2 ZONES	WP	WEATHER PROOF COVER
LV4D	LOW VOLTAGE, 4 ZONES	XP	EXPLOSION PROOF

LIGHTING FIXTURES

SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE. SEE LIGHTING FIXTURE KEY FOR TAG INFORMATION. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.

SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO EMERGENCY/LIFE SAFETY BRANCH CIRCUIT OR PROVIDE EMERGENCY DRIVER. SEE LIGHTING FIXTURE KEY FOR TAG INFORMATION. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.

SURFACE, RECESSED, OR WALL MOUNTED LIGHTING FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUIT OR PROVIDE EMERGENCY DRIVER. SEE LIGHTING FIXTURE KEY FOR TAG INFORMATION. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS.

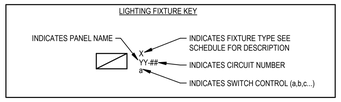
SURFACE MOUNTED TRACK LIGHTING SYSTEM. LETTER INDICATES TYPE. SEE LIGHTING FIXTURE KEY FOR TAG INFORMATION. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT TRACK AND FIXTURE REQUIREMENTS.

CEILING MOUNTED EXIT SIGN. SHADED AREA INDICATES FACE WITH DIRECTIONAL ARROWS AS SHOWN. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.

WALL MOUNTED EXIT SIGN. SHADED AREA INDICATES FACE WITH DIRECTIONAL ARROWS AS SHOWN. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.

EMERGENCY BATTERY PACK UNIT WITH NUMBER OF LAMPS AS INDICATED WITH SELF DIAGNOSTICS. SEE LIGHTING FIXTURE SCHEDULE FOR EXACT REQUIREMENTS. CONNECT UNSWITCHED TO INDICATED BRANCH CIRCUIT.

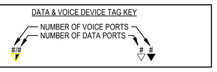
LIGHTING FIXTURE KEY



DATA / COMMUNICATION - PATHWAYS & BOXES

WALL	FLOOR	CEILING	
▽	▽	▽	DATA OUTLET - 4" SQUARE BOX WITH SINGLE GANG DEVICE BRACKET FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES). MINIMUM 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL STRING.
▼	▼	▼	VOICE OUTLET - 4" SQUARE BOX WITH SINGLE GANG DEVICE BRACKET FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES). MINIMUM 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL STRING.
▽	▽	▽	VOICE/DATA OUTLET - 4" SQUARE BOX WITH SINGLE GANG DEVICE BRACKET FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES). MINIMUM 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL STRING.

DATA & VOICE DEVICE TAG KEY



WAP	WIRELESS ACCESS POINT - 4" SQUARE BOX WITH SINGLE GANG DEVICE BRACKET CEILING MOUNTED FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX.
TV	TELEVISION CABLE OUTLET - 4" SQUARE BOX WITH SINGLE GANG DEVICE BRACKET FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MINIMUM 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL STRING.

WALL	CEILING	
S	S	COMMUNICATION SYSTEM SPEAKER. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.

ACCESS CONTROL - PATHWAY & BOXES

ACP	FLUSH MOUNTED ACCESS CONTROL CARD READER MOUNTED 46-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
CR	FLUSH MOUNTED ACCESS CONTROL CARD READER MOUNTED 46-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
DR	DOOR RELEASE BUTTON. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.
HS	INFRARED HAND SENSOR FOR HANDS FREE DOOR OPERATION. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.
PP	PUSH PANEL FOR HANDS FREE DOOR OPERATION. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.
DC	DOOR CONTACTS. SUBSCRIPT, WHEN SHOWN, INDICATES ZONE.

SECURITY - PATHWAY & BOXES

PB	PANIC BUTTON
XX	VIDEO CAMERA
XX	VIDEO CAMERA IN DOME

VIDEO CAMERA NOMENCLATURE:

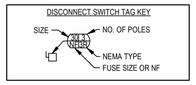
FW	FIXED WALL MOUNTED VIDEO CAMERA	PTZ-C	PAN, TILT, ZOOM CEILING MTD
FC	FIXED CEILING MOUNTED	PTZ-W	PAN, TILT, ZOOM WALL MTD

PROVIDE POWER RACEWAYS, EMPTY 1" CONDUIT WITH PULL STRING AND BACK BOXES FOR SECURITY DEVICES AND EQUIPMENT AS REQUIRED.

POWER EQUIPMENT

	480/277 VOLT PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. REFER TO PANELBOARD SCHEDULES FOR EXACT REQUIREMENTS.
	208/120 OR 240/120 VOLT PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. REFER TO PANELBOARD SCHEDULES FOR EXACT REQUIREMENTS.
	208/120 OR 240/120 VOLT LOAD CENTER, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. REFER TO PANELBOARD SCHEDULES FOR EXACT REQUIREMENTS.
	EXISTING PANELBOARD, FLUSH AND SURFACE MOUNTED RESPECTIVELY. DESIGNATION AS INDICATED. REFER TO PANELBOARD SCHEDULES FOR EXACT REQUIREMENTS.
P	ELECTRICAL POWER PLOE, MOUNTING AND CONFIGURATION AS SPECIFIED.
CB	ENCLOSED CIRCUIT BREAKER. FRAME SIZE AND TRIP RATING AS INDICATED ON PLANS.
	NON-FUSED DISCONNECT. FRAME SIZE AS INDICATED ON PLANS.
	FUSED DISCONNECT. FRAME SIZE AND TRIP RATING AS INDICATED ON PLANS. PROVIDE FUSES PER NAMEPLATE OF EQUIPMENT SERVED UNLESS OTHERWISE INDICATED.
	SPECIAL EQUIPMENT CONNECTION. SEE KEYED NOTE OR EQUIPMENT CONNECTION SCHEDULE FOR EXACT REQUIREMENTS.

DISCONNECT SWITCH TAG KEY



Text xxx	TRANSFORMER - SEE RISER DIAGRAM

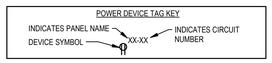
POWER DEVICES

WALL	FLOOR	CEILING	
			DUPLEX RECEPTACLE
			SPLIT-WIRED DUPLEX RECEPTACLE
			EMERGENCY DUPLEX RECEPTACLE
			QUAD RECEPTACLE
			EMERGENCY QUAD RECEPTACLE
			GFI DUPLEX RECEPTACLE
			EMERGENCY GFI DUPLEX RECEPTACLE
			GFI QUAD RECEPTACLE
			EMERGENCY GFI QUAD RECEPTACLE
			SPECIAL EQUIPMENT RECEPTACLE. SUBSCRIPT INDICATES NEMA CONFIGURATION, IF APPLICABLE.
			EMERGENCY SPECIAL EQUIPMENT RECEPTACLE. SUBSCRIPT INDICATES NEMA CONFIGURATION, IF APPLICABLE.
	J		JUNCTION BOX FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. COORDINATE LOCATION WITH MANUFACTURER FOR EQUIPMENT MOUNTED BOXES.

POWER DEVICE NOMENCLATURE

+	ABOVE COUNTER	TR	TAMPER RESISTANT
+##	CUSTOM MOUNTING HEIGHT	USB	DUPLEX WITH USB-A & USB-C PORTS
EWC	ELECTRIC WATER COOLER	WP	WEATHER PROOF
IG	ISOLATED GROUND	XP	EXPLOSION PROOF
HG	HOSPITAL GRADE	C	CONTROLLED

POWER DEVICE TAG KEY



	ELECTRIC PUSH BUTTON - FLUSH (FINISHED SPACES) OR SURFACE (UNFINISHED SPACES) OUTLET BOX. MOUNT 46-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS.
	EMERGENCY STOP MUSHROOM TYPE BUTTON IN SURFACE MOUNTED BOX. MOUNT 46-INCHES ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED OR REQUIRED BY SITE CONDITIONS.

NURSE CALL SYMBOLS

WALL	CEILING	
	D	CALL DOME LIGHT
Z	Z	CALL ZONE LIGHT
E		EMERGENCY CALL STATION
N		NURSE CALL STATION
CB		PANIC "CODE BLUE" PUSHBUTTON STATION
DS		DUTY STATION
SA		STAFF ASSIST

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES, CODES, AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. ALL ELECTRICAL WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL ELECTRICAL INSPECTION AGENCY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY FEES AND PERMITS, INCLUDING THE CERTIFICATE OF ELECTRICAL INSPECTION.
2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY. ARCHITECT AND/OR ENGINEER SHALL ASSUME NO RESPONSIBILITY FOR WORKMAN'S OR PEDESTRIAN'S SAFETY. NOTHING IN THE CONTRACT DOCUMENTS SHALL BE CONSTRUED TO INSTRUCT PROCEDURES OR COMPONENTS FOR PROJECT SAFETY.
3. WHERE A CONFLICT ARISES BETWEEN PLANS, SPECIFICATIONS, DETAILS, SCHEDULES, APPLICABLE CODES OR REGULATIONS, THE MOST STRINGENT SHALL APPLY.
4. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL BE CONSTRUED TO CONFLICT WITH ANY NATIONAL, STATE, MUNICIPAL, OR LOCAL LAWS OR REGULATIONS GOVERNING THE WORK INDICATED OR SPECIFIED. THE ELECTRICAL CONTRACTOR, AT NO ADDITIONAL EXPENSE TO THE OWNER, SHALL SATISFY ALL SUCH REQUIREMENTS.
5. THE CONTRACT DOCUMENTS ARE COMPRISED OF DRAWINGS AND SPECIFICATIONS. EACH ELECTRICAL BIDDER SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID PROPOSAL. BIDS SHALL BE BASED ON THE COMPLETE EXAMINATION OF THE DRAWINGS, SPECIFICATIONS, AND EXISTING CONDITIONS. NO CONSIDERATION SHALL BE GIVEN TO ANY CONTRACTOR WHO FAILS TO DO SO.
6. THE WORK UNDER THIS CONTRACT SHALL INCLUDE THE FURNISHING OF ALL NECESSARY MATERIALS, TOOLS, AND LABOR FOR A COMPLETE AND WORKING INSTALLATION AS DEFINED BY THE PLANS AND SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL WARRANT THE WORK INDICATED AND SPECIFIED FOR A PERIOD OF ONE (1) YEAR. THE WORK SHALL FUNCTION AS INTENDED, BE COMPLETE IN ALL DETAILS, AND SHALL INCLUDE ALL INDICATED, SPECIFIED, OR REQUIRED ACCESSORIES FOR A FUNCTIONING SYSTEM.
7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHT AND POWER AS REQUIRED BY THE GENERAL CONDITIONS OF THE SPECIFICATIONS.
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES. ALL DEVICES PROVIDED BY OTHERS THAT REQUIRE LINE VOLTAGE ELECTRICAL POWER SHALL BE CONNECTED BY THE ELECTRICAL CONTRACTOR. POWER, PHONE, DATA, TV, AND SIMILAR DEVICE OUTLET LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL INTERIOR LAYOUTS, THE GENERAL CONTRACTOR, AND THE OWNER.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S PROJECT MANAGER PRIOR TO AND FOR SCHEDULING ANY INTERRUPTION OF BUILDING UTILITIES.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITIES AND ARRANGE FOR THE FOLLOWING SERVICES: ELECTRICAL POWER, CABLE TV, AND TELEPHONE SERVICE. THE ELECTRICAL CONTRACTOR SHALL MEET WITH THE REPRESENTATIVES OF THE ELECTRICAL UTILITY & TELE/COMM UTILITY TO CONFIRM DETAILS ON THE SERVICE AND METERING. THE ELECTRICAL CONTRACTOR SHALL PAY ALL NECESSARY COSTS, FEES, AND PERMITS INVOLVED IN ESTABLISHING SERVICE AT THE BUILDING.
11. THE ELECTRICAL CONTRACTOR AT THE SITE SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PERTAINING TO THE INSTALLATION OF THE ELECTRICAL SYSTEMS. WHERE A CONTRACTOR UNCOVERS CONDITIONS NOT INDICATED ON THE PLANS OR IN THE SPECIFICATIONS, THEY SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH ANY WORK. FAILURE TO NOTIFY THE ARCHITECT SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ALL COSTS AND CONSEQUENCES OF SUCH FAILURE.
12. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE DESIGN/LAYOUT INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL DETERMINE CIRCUITING, ROUTING, WIRING ETC., AS REQUIRED BY THE SITE CONDITIONS AND ALL APPLICABLE CODES.
13. ALL WIRING SHALL BE CONCEALED IN FINISHED AREAS AS SPECIFIED. WHERE PERMITTED IN THE SPECIFICATIONS, USE OF MC CABLE IN CONCEALED AREAS SHALL BE PER THE NEC, LOCAL CODES, AND INSPECTION AGENCY APPROVAL. OTHERWISE, USE EMT CONDUIT, MINIMUM 3/4" IN SIZE UNLESS NOTED OR SPECIFIED OTHERWISE.
14. THE FOLLOWING CONDUCTORS SHALL BE INSTALLED IN HEAVY WALL CONDUIT:
    14.1. ALL FEEDERS RUN IN SLAB - IN OR MAY USE SCHEDULE 40 PVC.
    14.2. WHERE REQUIRED BY THE NEC.
    14.3. EXPOSED WIRING ON A ROOF - SEAL PROPERLY.
    14.4. EXTERIOR, ABOVE GRADE WIRING.
15. FOLLOWING FEEDERS SHALL BE INSTALLED IN EMT:
    15.1. BRANCH FEEDERS TO PANELS.
    15.2. BRANCH RACEWAY RUN EXPOSED.
16. TRENCHING AND BACKFILL FOR UNDERGROUND CONDUITS SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR.
17. UPON THE COMPLETION OF WORK, THE E.C. SHALL PROVIDE ALL PANELBOARDS WITH TYPED PANEL SCHEDULES TO CLEARLY DEFINE THE EQUIPMENT SERVED.
18. UPON THE COMPLETION OF WORK, THE E.C. SHALL PROVIDE ALL DISTRIBUTION EQUIPMENT WITH TYPED NAMEPLATES TO CLEARLY DEFINE THE EQUIPMENT SERVED AND RECEPTACLE PLATES WITH CIRCUITS SERVING EACH.
19. CHANNELING OF THE FLOORS SHALL BE MINIMIZED.
20. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE COORDINATED PLACEMENT OF LIGHTS, DIFFUSERS, SPRINKLERS, AND RETURN AIR GRILLES.
21. E.C. SHALL COORDINATE ALL RECEPTACLE AND LIGHT FIXTURE LOCATIONS WITH THE CASEWORK PLAN WHICH WILL BE DIMENSIONED.
22. ALL HOMERUNS WITH MORE THAN SIX (6) TOTAL CONDUCTORS SHALL BE A MINIMUM OF NO. 10 AWG THWN WIRE UNLESS SPECIFICALLY SIZED OTHERWISE.
23. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE COMPLETED BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
24. CONTRACTOR SHALL REMOVE DEMOLITION DEBRIS COMPLETELY. CONTRACTOR SHALL SCHEDULE WITH THE OWNER THE TIME, LOCATION, ELEVATOR, AND HAULING ROUTE.
25. CONTRACTOR SHALL CLEAN UP ALL DEBRIS AT THE END OF EACH WORK DAY.
26. EXACT COUNTS/QUANTITIES FOR CONTRACT PURPOSES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND INCLUDED AS PART OF THE BASE BID.
27. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL HEIGHTS.
28. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR, PRIOR TO ROUGH-IN. E.C. SHALL ALSO INCLUDE COORDINATION WITH DEVICES BY M.C., WIRING REQUIREMENTS, INTERCONNECTIONS, TERMINATIONS AND PROVIDE AS REQUIRED.
29. ALL CONDUITS ROUTED IN EXPOSED AREAS SHALL BE MOUNTED TIGHT TO THE UNDERSIDE OF THE STRUCTURAL STEEL. THIS APPLIES FOR ALL BRANCH CIRCUIT AND FEEDER CONDUITS.
30. ALL HOLES AND OPENINGS CREATED TO EXTEND THE ELECTRICAL SYSTEMS THROUGH FLOORS AND FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED.
31. DURING THE BIDDING PROCESS, ELECTRICAL CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES (GENERAL, HVAC, AND PLUMBING). ALL ITEMS REQUIRING POWER INDICATED ON THESE DRAWINGS BUT NOT INDICATED ON THE ELECTRICAL DRAWINGS SHALL BE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S WORK. THIS WORK SHALL BE INSTALLED PER THE NEC AT NO ADDITIONAL COST TO THE OWNER.
32. WHERE CONDUIT SIZES HAVE BEEN OMITTED, THE CONTRACTOR SHALL INSTALL THE CORRECT SIZES REQUIRED BY THE NEC AS DETERMINED BY THE SIZE AND NUMBER OF WIRES TO BE INSTALLED. WHERE THE NUMBER AND/OR SIZES OF HAVE BEEN OMITTED, THE CONTRACTOR SHALL INSTALL THE REQUIRED NUMBER AND/OR SIZES AS DETERMINED BY THE EQUIPMENT REQUIREMENTS OR FROM ADJACENT SECTIONS AND CIRCUIT NUMBERS.
33. WIRE SIZE FOR BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP CALCULATIONS AS REQUIRED BY NEC. IF CIRCUIT RUN EXCEEDS 100FT. IN WIRE LENGTH, NEXT WIRE SIZE (E.G., #10 AWG, ETC.) SHALL BE USED.
34. STARTERS, COMBINATION STARTERS, CONTACTORS, ETC. FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. ALL POWER WIRING AND CONDUIT TO EQUIPMENT TERMINALS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. POWER TO MECHANICAL EQUIPMENT SHALL BE TURNED ON ONLY BY THE MECHANICAL CONTRACTOR. MECHANICAL NAMEPLATE DATA SHALL NOT BE COVERED BY ELECTRICAL DEVICES.
35. THE ELECTRICAL CONTRACTOR SHALL FURNISH SUBMITTALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL SUBMITTALS SHALL BE REVIEWED AND STAMPED BY THE ENGINEER PRIOR TO INSTALLATION.
36. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR THE ENTIRE PROJECT AS DEFINED IN THE SPECIFICATIONS.

1. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ALL ITEMS OF THE ELECTRICAL EQUIPMENT (E.G., LIGHTING FIXTURES, WIRING DEVICES, WIRE, CONDUIT, ETC.) IN THE AREAS AFFECTED BY RENOVATION, WHICH ARE NO LONGER A FUNCTIONING PART OF ELECTRICAL SYSTEM OR ANY AUXILIARY SYSTEM. ONLY THOSE ITEMS WHICH ARE ESSENTIAL FOR MAINTAINING CONTINUITY OF SERVICES OUTSIDE THE AFFECTED AREAS SHALL REMAIN.
2. WHERE PRESENT EQUIPMENT IS NOTED TO REMAIN OR LABELED "PR", IT IS TO REMAIN IN THE PRESENT LOCATION, BUT MAKE ALL REQUIRED ADJUSTMENTS TO PROVIDE FOR ALL NEW WIRING EXTENSIONS FROM SUCH OUTLETS OR EQUIPMENT AS REQUIRED.
3. ALL EXPOSED RACEWAYS, DEVICES, PANELBOARDS, AND OTHER ELECTRICAL EQUIPMENT THAT ARE NO LONGER A FUNCTIONING PART OF THE ELECTRICAL SYSTEM OR ANY AUXILIARY ELECTRICAL SYSTEM, SHALL BE DE-ENERGIZED, DISCONNECTED, AND REMOVED. GENERALLY, THESE REMOVALS ARE NOT SPECIFICALLY INDICATED ON THE DRAWINGS. THIS CONTRACTOR SHALL PATCH ALL CEILING, WALL, OR FLOOR OPENINGS LEFT BY THIS REMOVAL.
4. IF THE CONTINUITY OF ANY EXISTING CIRCUITS THAT ARE TO REMAIN IS INTERRUPTED BY THESE ALTERATIONS, EVEN THOUGH IT MAY NOT BE INDICATED, THE CONTRACTOR SHALL RESTORE SUCH CIRCUITS, PROVIDING ALL NECESSARY MATERIALS AND LABOR TO ACCOMPLISH THIS.
5. ITEMS INDICATED ON THE DRAWINGS THAT ARE TO BE RELOCATED SHALL BE REMOVED, CLEANED, AND STORED PRIOR TO RE-USE. ALL ITEMS INDICATED TO BE REMOVED & RELOCATED SHALL BE REWIRED AS NECESSARY TO ACCOMPLISH THE INTENDED FUNCTION.
6. EXISTING DEVICES AND OTHER ELECTRICAL EQUIPMENT NOT SHOWN OR NOT INDICATED TO BE REMOVED OR REPLACED SHALL REMAIN IF SUCH DEVICES OR EQUIPMENT ARE NECESSARY FOR PROPER FUNCTIONING OF THE ELECTRICAL SYSTEM. IF REQUIRED, EXISTING WIRING SHALL BE MODIFIED OR REPLACED TO SUIT THE NEW LAYOUT.
7. ALL REMOVED ELECTRICAL EQUIPMENT REQUESTED BY THE OWNER SHALL BE TURNED OVER TO THE OWNER AND STORED WHERE DIRECTED, IN THE CONDITION AS FOUND. ALL OTHER REMOVED EQUIPMENT AND MATERIAL SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES BY CONTRACTOR.
8. FOR THE DURATION OF THE CONTRACT, THIS CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP ELECTRICAL OUTAGES TO A MINIMUM. IN ORDER TO INTERRUPT CONTINUITY OF ELECTRICAL SERVICE TO ANY PART OF THE BUILDING, IT SHALL BE NECESSARY FOR THIS CONTRACTOR TO REQUEST PERMISSION FOR SUCH OUTAGES BY LETTER. THE LETTER SHALL STATE THE DATE OF PROPOSED OUTAGE, TIME IT SHALL START, TOTAL OUTAGE TIME REQUIRED, AND REASON FOR THE OUTAGE. THE REQUEST SHALL BE SUBMITTED A MINIMUM OF 21 DAYS BEFORE THE PROPOSED OUTAGE.
9. ALL ITEMS AND DEVICES SHOWN WITH DASHED LINES ARE INTENDED TO BE DISCONNECTED & REMOVED.
10. ALL ITEMS SHOWN WITH SOLID LINES ARE INTENDED TO REMAIN. E.C. SHALL MAKE ANY ADJUSTMENTS NECESSARY TO MAINTAIN ITEMS & DEVICES, INCLUDING EXISTING WIRING
11. INFORMATION ON THIS DRAWING WAS OBTAINED FROM FIELD OBSERVATION AND EXISTING DRAWINGS, AND MUST BE FIELD VERIFIED BY E.C.

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mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BUFKIN 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:

ELECTRICAL SYMBOLS, LEGENDS AND ABBREVIATIONS

SHEET NO. E001

PROJECT NUMBER: JAZZID_14452

A/E PROJECT #: 02600404.00

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SECTION 26 00 01 -BASIC ELECTRICAL REQUIREMENTS

PART 1 GENERAL

1.1 REQUIREMENTS

A. GENERAL CONDITIONS OF THE CONTRACT, SUPPLEMENTARY GENERAL CONDITIONS, AND INSTRUCTIONS TO BIDDERS SECTIONS CONTAINED IN THE CONTRACT DOCUMENTS ARE A PART OF THESE SPECIFICATIONS.

1.2 EXTENT OF THE WORK

A. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT, AND PERFORM ALL OPERATIONS NECESSARY FOR INSTALLATION OF COMPLETE ELECTRICAL WORK WITHIN THE INTENT OF, AND AS INDICATED ON, THE DRAWINGS AND AS HEREIN SPECIFIED.
B. PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL MAKE A VISIT TO THE SITE TO BECOME THOROUGHLY FAMILIAR WITH ALL ELEMENTS OF THE REQUIRED WORK.

1.3 REGULATIONS AND COMPLIANCE

A. LATEST APPROVED EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NORTH CAROLINA STATE BUILDING CODE GOVERN THIS WORK. ALL THEIR REQUIREMENTS SHALL BE SATISFIED. ALSO THE REQUIREMENTS OF THE NORTH CAROLINA DIVISION OF HEALTH SERVICE REGULATION.
B. THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND LICENSES REQUIRED. UPON COMPLETION OF THE JOB THEY SHALL PRESENT TO THE ENGINEER A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES.

D

PART 2 PRODUCTS

2.1 MATERIALS

A. ALL MATERIALS SHALL BE NEW, WITH REQUIRED UNDERWRITER'S LABORATORIES (OR THIRD PARTY LISTED) LABEL, AND WITH MANUFACTURER'S LABEL OR NAMEPLATE GIVING COMPLETE ELECTRICAL DATA.
B. WHERE A MANUFACTURER'S CATALOG NUMBER IS USED, ALL PARTS SHALL BE FURNISHED TO MAKE IT COMPLETE AND TO FIT THE CONSTRUCTION INTENDED.
C. WITHIN TEN DAYS AFTER AWARD, CONTRACTOR SHALL SUBMIT TO ENGINEER A COMPLETE LIST IN TRIPLICATE OF ALL MATERIALS THEY PROPOSE TO USE. LIST SHALL SHOW A SINGLE MANUFACTURER WITH NOT ONLY MAJOR MATERIALS AND EQUIPMENT, BUT ALSO SUCH ITEMS AS, BUT NOT LIMITED TO, CONDUIT FITTINGS, RACEWAY SUPPORTS, CONDUCTIVE PIPE THREAD COMPOUND, ASPHALTUM, SEALING MATERIAL, CLAMPS, ANCHORS, OUTLET BOXES, GUTTERS, TERMINAL CABINETS, WIRE-PULLING COMPOUND, SPLICE CONNECTORS, TAPE, WIRE MARKERS, LAMPS, ETC.
D. MATERIAL SHALL BE THE MAKE AND NUMBER GIVEN IN THESE SPECIFICATIONS OR SHOWN ON DRAWINGS, OR EQUIVALENT WHERE SPECIFICALLY STATED AS BEING ALLOWED. EQUIVALENT ITEMS OR MATERIALS WILL BE SUBJECT TO ACCEPTANCE BY THE ENGINEER AT SUBMITTAL STAGE. IF CONTRACTOR WISHES TO FURNISH A SUBSTITUTE FOR THE ITEM(S) SPECIFIED (OR EQUIVALENT WHERE ALLOWED), THEY SHALL FURNISH COMPLETE, DETAILED DATA AND OBTAIN APPROVAL OF THE SUBSTITUTION IN WRITING FROM THE ENGINEER NO LATER THAN 10 DAYS PRIOR TO BID. IN SOME CASES, AT THE REQUEST OF THE ENGINEER, SAMPLES OF THE SUBSTITUTE ITEMS SHALL BE SUBMITTED FOR REVIEW. DATA (AND SAMPLE IF REQUIRED) SHALL BE SUBMITTED IN A TIMELY MANNER SUCH THAT APPROVAL BY ENGINEER CAN BE RETURNED TO CONTRACTOR NO LATER THAN 10 DAYS PRIOR TO BID DATE. DATA OR SAMPLE NOT SUBMITTED IN SUFFICIENT TIME TO ALLOW EVALUATION BY ENGINEER WILL BE AUTOMATICALLY REJECTED.
E. ENGINEER'S REVIEW OF SAMPLES, CUT SHEETS, SHOP DRAWINGS, AND OTHER MATTER SUBMITTED BY THE CONTRACTOR SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR FULL COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS. IF A SUBMITTED ITEM DOES NOT COMPLY IN ANY WAY (COLOR, STYLE, QUALITY, FUNCTION, OR PERFORMANCE), CONTRACTOR SHALL CALL THE SPECIFIC NON-COMPLIANCE TO THE ATTENTION OF THE ENGINEER IN WRITING IN A COVER LETTER TO THE SUBMITTALS REQUESTING A DEVIATION FROM SPECIFICATIONS. THIS DOES NOT IMPLY THAT APPROVAL OF REQUESTED DEVIATION WILL BE GIVEN, ONLY THAT IT WILL BE REVIEWED.
F. ENGINEER'S REVIEW OF SUBMITTALS IS NOT INTENDED TO CONFIRM QUANTITY COUNTS OF MATERIALS AND EQUIPMENT MADE BY CONTRACTOR. CONTRACTOR IS REQUIRED TO PROVIDE QUANTITIES OF ITEMS AS NECESSARY FOR SYSTEMS TO FUNCTION AS DESCRIBED AND SHOWN ON THE PLANS AND IN THESE SPECIFICATIONS.
G. SPECIALTY SYSTEMS SUCH AS FIRE ALARM SYSTEMS, SECURITY SYSTEMS, ETC., THAT ARE INCLUDED AS PART OF THE ELECTRICAL CONTRACT SHALL BE FURNISHED AND INSTALLED BY AN AUTHORIZED REPRESENTATIVE OF THE MANUFACTURER OF THE EQUIPMENT SUPPLIED. THIS INCLUDES USE OF FACTORY TRAINED AND AUTHORIZED INSTALLERS WHERE REQUIRED TO FULFILL MANUFACTURER'S WARRANTY PROVISIONS.
H. SUBMIT CUT SHEETS, SHOP DRAWINGS, AND OTHER DESCRIPTIVE MATERIALS REQUESTED, IN SIX (6) COPIES, OR AS REQUIRED BY THE SUPPLEMENTARY GENERAL CONDITIONS SECTION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR MANUFACTURER'S DATA TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK. SUBMITTALS WILL NOT BE ACCEPTED OR REVIEWED BY THE ENGINEER UNLESS THE ELECTRICAL CONTRACTOR'S STAMP SIGNIFYING HIS REVIEW AND APPROVAL IS EVIDENT ON THE SUBMITTALS. SUBMITTALS SHALL CONTAIN THE FOLLOWING INFORMATION: LIGHT FIXTURES, SWITCHES, RECEPTACLES, COVER PLATES, CONDUCTORS, CABLE, DISCONNECTS, MOTOR STARTERS, OUTLET BOXES, CONDUIT, FITTINGS, TRANSFORMERS, AND PANELBOARDS.
I. FIRESTOP MATERIAL SHALL BE MANUFACTURED BY STI (SPECIFIED TECHNOLOGIES, INC.).
J. PLYWOOD IS NOT PERMITTED AS BLOCKING FOR MOUNTING OF ELECTRICAL EQUIPMENT.
K. MATERIALS SHOULD BE INSPECTED UPON THEIR ARRIVAL AT THE SITE TO BE SURE THEY ARE CORRECT. NO EXTENSION OF TIME FOR COMPLETION WILL BE ALLOWED BECAUSE MATERIALS RECEIVED ARE WRONG. COMPLETELY ADEQUATE HOUSING SHALL BE PROVIDED ON THE SITE FOR ORDERLY AND CAREFUL STORAGE OF ALL MATERIALS AND EQUIPMENT. NOTHING SHALL BE STORED OUTSIDE EXCEPT CONDUIT, WHICH MAY BE STORED IN RACKS SO IT IS AT LEAST 12 INCHES ABOVE GROUND AND NOT SUBJECT TO MUD BEING SPATTERED ON IT.

C

2.2 PAINTING

A. SUITABLE FINISH COATINGS SHALL BE PROVIDED UNDER THIS SECTION OF THE SPECIFICATIONS ON ALL ITEMS OF ELECTRICAL EQUIPMENT AND WIRING WHICH ARE EXPOSED. THIS SHALL CONSIST OF EITHER AN APPROVED FACTORY APPLIED FINISH OR AN ACCEPTABLE FINISH APPLIED DURING OR AFTER INSTALLATION. EQUIPMENT WHICH IS FURNISHED IN FINISHES SUCH AS STAINLESS STEEL OR SATIN ALUMINUM ARE NOT TO BE PAINTED. EXPOSED EQUIPMENT AND/OR WIRING IN FINISHED AREAS SUCH AS PANEL COVERS OR SURFACE RACEWAY SHALL BE SUPPLIED WITH FACTORY APPLIED PRIME COAT AND SHALL BE PROFESSIONALLY PAINTED OR ENAMELED AS DIRECTED TO RESULT IN A COMPLETELY COATED AND ATTRACTIVELY FINISHED MANNER. ALL SUCH FINISHING SHALL BE AS DIRECTED BY AND SHALL BE SATISFACTORY TO THE ENGINEER.

PART 3 EXECUTION

3.1 GENERAL INSTALLATION

A. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY, AND ARE INTENDED TO EXPLAIN SYSTEM FUNCTION AND DEFINE QUALITY OF MATERIALS AND INSTALLATION. THEY ARE NOT INTENDED TO DEFINE CONSTRUCTION METHODS.
B. THE CONTRACTOR SHALL KEEP ON THE SITE, AT ALL TIMES, ONE SET OF ELECTRICAL DRAWINGS AND SPECIFICATIONS, AND ONE SET OF DRAWINGS AND SPECIFICATIONS ON THE WORK OF OTHER TRADES. IN ADDITION, ONE COMPLETE SET OF ALL ELECTRICAL SUBMITTALS AND SHOP DRAWINGS SHALL BE MAINTAINED AT THE SITE BY THE ELECTRICAL CONTRACTOR.
C. THE CONTRACTOR SHALL CHECK OTHER TRADES' DRAWINGS, SPECIFICATIONS, AND SHOP DRAWINGS AS WELL AS EXISTING CONDITIONS TO SEE IF THERE ARE ANY CONFLICTS OR DISCREPANCIES. IF SO, THEY SHALL CONTACT THE ENGINEER FOR INSTRUCTIONS.
D. THE CONTRACTOR SHALL PROPERLY PROTECT THEIR WORK AGAINST DAMAGE BY WEATHER OR OTHER TRADES. ALL WORK SHALL BE LEFT WELL CLEANED, AND DAMAGED FINISHES SHALL BE RESTORED TO ORIGINAL CONDITION.
E. THE CONTRACTOR SHALL PLACE THEIR OWN SLEEVES AND NOTIFY OTHER TRADES OF CHASES AND OPENINGS FAR ENOUGH AHEAD SO THEY CAN BE PROPERLY BUILT IN. WHERE ANY RACEWAYS, SUPPORTS, ETC., INSTALLED UNDER THE CONTRACT PENETRATE THE ROOF, SUITABLE PITCH POCKETS SHALL BE PROVIDED AND COORDINATED WITH THE ROOFING CONTRACTOR AS NECESSARY TO BE ACCEPTABLE TO THE ENGINEER. PROVIDE SUITABLE FITTINGS WHERE ANY RACEWAYS OR EQUIPMENT CROSS EXPANSION JOINTS.
F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING, CUTTING, CORE DRILLING, AND PATCHING RELATED TO THEIR WORK.
G. WHEN CUTTING AND PATCHING IS REQUIRED, THE CONTRACTOR IS NOT ALLOWED TO USE IMPACT TOOLS. ROTATING DEVICES MUST BE USED.
H. CONTRACTOR SHOULD NOT SCALE DRAWINGS FOR OUTLET AND EQUIPMENT LOCATIONS. UNLESS SPECIFICALLY DIMENSIONED ON DRAWINGS OR DEFINED IN SPECIFICATIONS, OUTLETS AND EQUIPMENT SHALL BE LOCATED AS EVIDENTLY INTENDED OR AS DETAILED ON ARCHITECTURAL DRAWINGS. LIGHTING OUTLETS ARE TO BE CENTERED OR SPACED SYMMETRICALLY UNLESS THEY ARE DIMENSIONED. ANY DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ROUGHING. ALL OUTLET AND EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH THE OTHER TRADES. IF ANY DOUBT ARISES, CONTACT THE ENGINEER PRIOR TO ROUGHING.
I. THE CONTRACTOR SHALL KEEP PREMISES FREE OF DEBRIS RESULTING FROM THIS WORK.

3.2 TESTS AND GUARANTEES

A. ALL CURRENT-CARRYING PHASE CONDUCTORS AND NEUTRALS SHALL BE TESTED AS INSTALLED, AND BEFORE CONNECTIONS ARE MADE, FOR INSULATION RESISTANCE AND ACCIDENTAL GROUNDS. EACH FIXTURE AND ITEM OF EQUIPMENT FOR CONNECTION UNDER THE CONTRACT SHALL BE TESTED FOR INSULATION RESISTANCE FROM ITS CONDUCTORS TO ITS GROUNDED SURFACE OR CONTACT. THESE TESTS SHALL BE DONE WITH A 500 VOLT (MINIMUM) HIGH VOLTAGE "MEGGER."

B

1. MINIMUM READINGS SHALL BE ONE MILLION (1,000,000) OR MORE OHMS FOR #6 AWG AND SMALLER WIRE, 250,000 OHMS OR MORE FOR #4 AWG AND LARGER WIRE, BETWEEN CONDUCTORS AND BETWEEN CONDUCTOR AND THE GROUNDING CONDUCTOR.
2. AFTER ALL FIXTURES, DEVICES, AND EQUIPMENT ARE INSTALLED AND ALL CONNECTIONS COMPLETED TO EACH PANEL, THE CONTRACTOR SHALL DISCONNECT THE NEUTRAL FEEDER CONDUCTOR FROM THE NEUTRAL BAR AND TAKE A MEGGER READING BETWEEN THE NEUTRAL BAR AND THE GROUNDED ENCLOSURE OR GROUND BAR. IF THIS READING IS LESS THAN 250,000 OHMS, THE CONTRACTOR SHALL DISCONNECT THE BRANCH CIRCUIT NEUTRAL WIRES FROM THIS NEUTRAL BAR. THEY SHALL THEN TEST EACH ONE SEPARATELY TO THE PANEL AND UNTIL THE LOW READINGS ARE FOUND. THE CONTRACTOR SHALL CORRECT TROUBLES, RECONNECT AND RETEST UNTIL AT LEAST 250,000 OHMS FROM THE NEUTRAL BAR TO THE GROUNDED PANEL CAN BE ACHIEVED WITH ONLY THE NEUTRAL FEEDER DISCONNECTED.
3. THE CONTRACTOR SHALL SEND A LETTER TO THE ENGINEER CERTIFYING THAT THE ABOVE HAS BEEN DONE AND SHOWING THE TABULATION OF THE MEGGER READINGS FOR EACH PANEL OR FEEDER. THIS SHALL BE DONE AT LEAST FOUR (4) DAYS PRIOR TO FINAL WALK-THROUGH BY ENGINEER.
4. AT FINAL WALK-THROUGH BY THE ENGINEER, THE CONTRACTOR SHALL FURNISH A MEGGER AND DEMONSTRATE THAT THE PANELS COMPLY WITH THE ABOVE REQUIREMENTS. THEY SHALL ALSO FURNISH A CLAMP-ON TYPE AMMETER AND A VOLTMETER TO TAKE CURRENT AND VOLTAGE READINGS AS DIRECTED BY THE ENGINEER.

B. VALIDITY OF THE GROUND PATH SHALL BE ASSURED BY CONSTANT AND CAREFUL ATTENTION TO THE THOROUGH TIGHTENING OF ALL COUPLINGS, CONNECTORS, LOCKNUTS, SCREWS, BOLTS, ETC., AND BY FREQUENT CHECKING OF THE PATH RESISTANCE WITH A QUALITY LOW-RANGE OHMMETER. RESISTANCE OF THE PATH SHOULD NOT EXCEED ONE OHM BETWEEN ANY TWO POINTS. IF A READING IN EXCESS OF THIS IS OBSERVED, IT SHALL BE DISCUSSED WITH THE ENGINEER FOR AN APPRAISAL OF THE CONDITION.
C. CONTRACTOR SHALL GUARANTEE THAT THE WORK IS DONE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS, AND THAT IT IS FREE OF IMPERFECT MATERIALS OR DEFECTIVE WORKMANSHIP. ANYTHING UNSATISFACTORY SHALL BE CORRECTED IMMEDIATELY AND AT CONTRACTOR'S EXPENSE.
D. FOR THE PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL REPLACE, WITHOUT ANY EXPENSE TO THE OWNER, ANY IMPERFECT MATERIALS OR DEFECTIVE WORKMANSHIP.

3.3 RECORD DRAWINGS/MANUALS

A. UPON COMPLETION OF THE INSTALLATION, CONTRACTOR SHALL SUBMIT TO THE ENGINEER MARKED PRINTS OF DRAWINGS SHOWING ANY CHANGES MADE IN CIRCUITS, LOCATION OF EQUIPMENT, PANELBOARDS, OR ANY OTHER REVISION IN THE CONTRACT DRAWINGS, FOR THE OWNER'S USE IN MAINTENANCE WORK AND FOR FUTURE ADDITIONS AND EXPANSIONS. MARKED CHANGES SHALL ALSO INCLUDE CHANGES DUE TO CHANGE ORDERS UNLESS ALREADY RECORDED BY REVISED DRAWING OR BULLETIN DRAWING.
B. THESE RECORD DRAWINGS SHALL BE SUBMITTED IN ONE OF TWO FORMATS: EITHER A CLEAN, LEGIBLE, MARKED SET OF BLUE-LINE PRINTS WITH ALL MARKINGS IN DISTINGUISHABLE COLORED PENCIL SUCH AS RED; OR A SET OF REVERSE-RUN REPRODUCIBLE SEPIA PRINTS MARKED IN SOFT PENCIL SO THAT BLUE-LINE PRINTS CAN BE REPRODUCED AS REQUIRED. THE FORMAT TO BE USED SHALL BE AS DEFINED IN THE GENERAL REQUIREMENTS SECTION OF THE CONTRACT DOCUMENTS. IF NO FORMAT IS DEFINED, THE MARKED BLUE-LINE PRINTS SHALL BE SUBMITTED.
C. OPERATION AND MAINTENANCE MANUALS SHALL BE SUBMITTED TO THE ENGINEER AT THE END OF THE PROJECT PRIOR TO CLOSEOUT OF THE PROJECT. INFORMATION INCLUDED SHALL BE A COPY OF ALL SUBMITTAL DATA, SHOP DRAWINGS, AND NECESSARY OPERATING AND MAINTENANCE INSTRUCTIONS AND WIRING DIAGRAMS ON ALL MAJOR ITEMS OF EQUIPMENT AND ALL SPECIAL SYSTEMS (FIRE ALARM, INTERCOM, ETC.). SUBMIT THESE MANUALS IN THE QUANTITIES AND FORMAT DESCRIBED IN THE GENERAL REQUIREMENTS SECTION.

END OF SECTION 26 00 01

SECTION 26 00 02 -ALTERATIONS AND ADDITIONS TO EXISTING ELECTRICAL WORK AND BUILDING AREAS

PART 1 GENERAL

A

1.1 REQUIREMENTS

A. MANUFACTURERS ARE NOT APPLICABLE.

PART 2 PRODUCTS

2.1 NOT APPLICABLE

PART 3 INSTALLATION

3.1 ALL NECESSARY ADDITIONS AND ALTERATIONS TO EXISTING WORK SHALL BE INCLUDED IN THE CONTRACT AS REQUIRED TO PROVIDE AND MAINTAIN A COMPLETE AND PROPER ELECTRICAL INSTALLATION. THIS WORK SHALL INCLUDE:

A. RELOCATION OF FIXTURES, PULLBOXES, RACEWAYS, ETC., TO PERMIT THE INSTALLATION OF NEW EQUIPMENT.
B. INSTALLATION OF NEW CONDUITS AND CONDUCTORS TO MAINTAIN TEMPORARY AND PERMANENT USE OF ELECTRICAL FACILITIES THROUGHOUT THE FACILITY.
C. DISCONNECTION/RECONNECTIONS AND REMOVAL/REINSTALLATION OF ELECTRICAL SUPPLY, CONTROL AND UTILIZATION EQUIPMENT REQUIRED FOR CONTINUED OPERATION, INCLUDING TEMPORARY WORK AS REQUIRED.
D. PROVISIONS FOR THE RELOCATION OF ALL PIPING, DUCTWORK, ETC., AS REQUIRED FOR ELECTRICAL WORK, WHERE NOT SHOWN OR SPECIFIED BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE A/E PRIOR TO BID SO THAT THE APPROPRIATE TRADE MAY BE ASSIGNED TO BID; OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL SUCH RELOCATIONS.
E. REUSE OF EXISTING RACEWAY SYSTEM IS ACCEPTABLE; HOWEVER, THE CONTRACTOR TAKES ALL RESPONSIBILITY FOR DETERMINING SUITABILITY FOR REUSE AND COMPLIANCE WITH SPECIFICATIONS. NEW RACEWAYS SHALL BE PROVIDED, OR EXISTING RACEWAYS UPGRADED, AS NEEDED TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
F. ALL EXISTING RACEWAYS SHALL BE RELOCATED IN FINISHED AREAS TO BE CONCEALED WITHIN WALLS AND CEILINGS, WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
G. SITE INVESTIGATION BY CONTRACTOR IS REQUIRED IN 26 00 01. ACCORDINGLY, THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY EXTRA COMPENSATION FOR REMOVAL OR RELOCATION OF EXISTING WORK WHICH IS REQUIRED TO COMPLETE THE PROJECT, BUT NOT INDICATED ON THE CONTRACT DOCUMENTS. REFER QUESTIONS TO THE A/E PRIOR TO BID DATE FOR CLARIFICATION.
H. EQUIPMENT TO BE TURNED OVER TO OWNER SHALL BE TURNED OVER IN CLEAN AND WORKING CONDITION. VERIFICATION OF CONDITIONS IS THE CONTRACTOR'S RESPONSIBILITY PRIOR TO BIDDING.
I. DISCONNECT ELECTRICAL SERVICES TO EQUIPMENT TO BE REMOVED. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS BACK TO POINT OF SERVICE OR NEXT ACTIVE DEVICE, UNLESS THEY ARE TO BE REUSED UNDER NEW CONSTRUCTION.
J. UNUSED RACEWAY SYSTEMS CAN BE ABANDONED WHERE CONCEALED IN FLOORS OR WALLS, BUT MUST BE REMOVED FROM CEILING SPACES.
K. EXISTING WORK WHICH MUST BE RELOCATED BUT IS NOT DETECTABLE BY A COMPETENT PRE-BID SURVEY WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION BY THE CONTRACTOR.
L. WHERE WALL OR FLOOR FINISHES ARE TO BE REPLACED IN AREAS WITH EXISTING TO REMAIN ELECTRICAL WORK, THE CONTRACTOR SHALL ADAPT THE ELECTRICAL WORK TO MATCH WITH APPROPRIATE BOX EXTENSIONS, TRIM RINGS, COVER PLATES, ETC., AS REQUIRED.
M. DUCTBANK SHOULD ALWAYS BE MEASURED TO TOP-OF-CONCRETE AND BOTTOM-OF-CONCRETE FOR DESIGN DOCUMENTS, INSTALLATIONS, AND RECORD DOCUMENTS.

END OF SECTION 26 00 02

SECTION 26 05 19.08 -CONDUCTORS, 600 VOLT INSULATION

PART 1 GENERAL

1.1 MANUFACTURERS REQUIREMENTS

A. WIRING: BICC CABLES, ESSEX, GENERAL CABLE, SOUTHWIRE AND PIRELLI.
B. CONNECTORS: AMERICAN INSULATED WIRE CORPORATION, AMP, BURNDY, IDEAL, OZ/GEDNEY, SCOTCH/3M, POLARIS ELECTRICAL CONNECTORS, OR THOMAS & BETTS.

PART 2 PRODUCTS

2.1 MATERIALS

A. ALL WIRING FOR POWER CIRCUITS SHALL BE #12 AWG OR LARGER, TYPE THWN, THHN, OR XHHW.
B. #14 AWG WIRING SIZE IS PERMITTED FOR CONTROL AND SIGNAL CIRCUITS OPERATING ABOVE 50 VAC, WHERE MANUFACTURER'S INSTALLATION REQUIREMENTS ALLOW.
C. ALL WIRING SHALL BE STRANDED COPPER.
D. ALL WIRING TERMINATING WITHIN LIGHT FIXTURES SHALL BE RATED AT LEAST 90 DEGREES CELSIUS, OR HIGHER AS REQUIRED BY THE MANUFACTURER OF THE LIGHT FIXTURE.
E. ALL WIRING #6 AND SMALLER SHALL BE PURCHASED WITH PROPER INSULATION COLOR. WIRES #4 AND LARGER SHALL BE BLACK AND IDENTIFIED WITH COLORED TAPE.

PART 3 EXECUTION

3.1 INSTALLATION

A. SPLICES SHALL HAVE MECHANICAL STRENGTH AND INSULATION STRENGTH EQUAL TO OR SUPERIOR TO THE CONDUCTOR, AND SHALL BE TAPED.
B. ALL SPLICES OF #8 AWG OR LARGER SHALL BE MECHANICAL CONNECTORS COVERED WITH RUBBER TAPE, FRICTION TAPE OR PLASTIC TAPE. AT CONTRACTORS OPTION, SOLDERLESS MECHANICAL TYPE CONNECTORS WITH INSULATED COVERS MAY BE USED.
C. SPLICING OF #10 AWG AND SMALLER CONDUCTORS SHALL BE MADE WITH WIRE NUTS OR WING NUTS.
D. PROVIDE AN OPEN-ENDED SPADE TYPE TERMINATION DEVICE ON ANY CONDUCTOR WHICH SHALL TERMINATE UNDER A SCREW OR ON A TERMINAL BLOCK. (I.E. RECEPTACLES, SWITCHES, TERMINALS).
E. #8 AND LARGER WIRING SHALL TERMINATE IN AN "INDENT TYPE" HEX SCREW OR BOLT-CLAMP TYPE BRONZE LUGS APPROVED OR EQUAL TO BURNDY OR O-Z. CAST LUGS SHALL HAVE MACHINED CONTACT SURFACE. #250 MCM AND LARGER SIZES SHALL HAVE TWO CLAMPING OR COMPRESSION INDENTS. THE CONTRACTOR SHALL TRANSMIT THESE REQUIREMENTS TO MANUFACTURERS OF PANELBOARDS AND SWITCHBOARDS. NON-CONFORMING PRODUCTS SHALL BE REPLACED.
F. TAPING OF CONNECTORS SHALL REQUIRE TWO LAYERS OF RUBBER TAPE, TWO LAYERS OF FRICTION TAPE, AND ONE LAYER OF PLASTIC TAPE.
G. INSTALL ALL CONDUCTORS IN RACEWAY. NO RACEWAY SHALL CONTAIN MORE THAN TWO PHASE CONDUCTORS, TWO NEUTRALS, AND GROUND, EXCEPT FOR SWITCH LEGS AND TRAVELERS DERIVED FROM THE SAME PHASE CONDUCTOR IN LIGHTING RACEWAYS.
H. EACH MULTIWIRE BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR.
I. CONDUCTOR LENGTHS SHALL BE ADEQUATE TO ALLOW FOR DISCONNECTION AND SERVICING, NO CONNECTIONS OR SPLICES SHALL BE UNDER TENSION.
J. CALIBRATED TORQUE WRENCH SHALL BE USED FOR TIGHTENING OF ALL BOLT TIGHTENING. TORQUE BOLTS TO MANUFACTURER'S SPECIFIED VALUES.
K. USE RUBBER INSULATED CONNECTORS SIMILAR TO OR EQUAL TO POLARIS LUGS FOR FEEDER SPLICES. SPLIT BOLT CONNECTORS SHALL NOT BE USED.
L. ALL CONDUCTORS FOR POWER AND LIGHTING CIRCUITS SHALL BE COLOR-CODED IN ACCORDANCE WITH THE NEC. WIRES #6 AND SMALLER SHALL BE PURCHASED WITH THE PROPER COLOR INSULATION. WIRES #4 AND LARGER SHALL BE BLACK, WITH TAPE TO IDENTIFY COLOR IN ALL PANELBOARD EQUIPMENT TERMINAL HOUSINGS, AND PULL/JUNCTION BOXES. COLOR CODES SHALL BE AS FOLLOWS:

	208V/120V	480Y/277V	ISOLATED
PHASE A	BLACK	BROWN	ORANGE (LINE 1)
PHASE B	RED	ORANGE	BROWN (LINE 2)
PHASE C	BLUE	YELLOW	YELLOW (LINE 3)
NEUTRAL	WHITE	GRAY	N/A-
GROUNDING	GREEN	GREEN	GREEN

END OF SECTION 26 05 19.08

SECTION 26 05 19.10 -LIGHT AND POWER FEEDER CIRCUIT INSTALLATIONS

PART 1 GENERAL

1.1 MANUFACTURERS REQUIREMENTS

A. NOT APPLICABLE.

PART 2 PRODUCTS

2.1 MATERIALS

A. NOT APPLICABLE.

PART 3 EXECUTION

3.1 INSTALLATION

A. EVERY FEEDER SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC, ROUTED IN THE SAME RACEWAY WITH THE CIRCUIT CONDUCTORS.
B. ALL PULLBOXES, WIREWAY, AUXILIARY GUTTERS, PANELBOARDS, JUNCTION BOXES, ETC. SHALL HAVE ADEQUATE WIRING SPACE FOR THE CONDUCTORS INSTALLED. NOTE THAT SOME PANELBOARDS MAY REQUIRE LARGER THAN STANDARD ENCLOSURES TO PROVIDE ADEQUATE GUTTER SPACE FOR THE FEEDER CONDUCTORS CONNECTED.
C. PARALLEL FEEDERS SHALL BE LAID FLAT AND CUT TO IDENTICAL LENGTH PRIOR TO PULLING INTO RACEWAY. DO NOT CUT OR TRIM PARALLEL FEEDERS AFTER INSTALLATION.
D. FEEDER CONDUCTORS, INCLUDING NEUTRAL AND GROUND CONDUCTORS, SHALL BE MULTIPLEXED IN AN ARRANGEMENT WHICH ROTATES THE POSITION OF THE NEUTRAL AND GROUND CONDUCTORS ABOUT THE PHASE CONDUCTORS. WIRE TIES SHALL BE USED TO MAINTAIN ROTATION IN PULL BOXES, WIREWAYS, ETC.
E. WHERE BRANCH CIRCUITS AND FEEDERS ARE INSTALLED IN EXISTING PANELBOARDS, THE CONTRACTOR SHALL RESEARCH AND TRACE OUT EXISTING CIRCUITS SERVED FROM THE PANELBOARDS, AND PROVIDE AN "AS BUILT" TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD.
F. ALL JUNCTION BOXES SHALL BE LABELED WITH PANEL NAME AND CIRCUITS BEING CONTAINED.

END OF SECTION 26 05 19.10

SECTION 26 05 19.11 -ELECTRICAL WIRING AND CONNECTIONS FOR EQUIPMENT

PART 1 GENERAL

1.1 MANUFACTURERS REQUIREMENTS

A. NOT APPLICABLE.

PART 2 PRODUCTS

2.1 MATERIALS

A. NOT APPLICABLE.

PART 3 EXECUTION

3.1 INSTALLATION

A. CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT: USE LIQUID TIGHT FLEXIBLE METAL CONDUIT. LIMIT TO 6 FEET LENGTH.
B. WHERE THE NAMEPLATE RATING OF THE SUPPLIED EQUIPMENT REQUIRES SERVICE FROM A FUSED DEVICE, CONTRACTOR SHALL PROVIDE A FUSED DISCONNECT IN LIEU OF ANY NON-FUSED DISCONNECT SHOWN ON THE DRAWINGS, AT NOT EXTRA COST.
C. ALL LOW VOLTAGE COMMUNICATIONS WIRING SHALL BE ROUTED IN EMT CONDUIT (MADE WATER TIGHT WITH COMPRESSION FITTINGS IN OUTDOOR LOCATIONS), EXCEPT WHERE RUN IN CONCEALED, ACCESSIBLE AREAS. ALL LOW VOLTAGE WIRING MUST BE ROUTED IN CONDUIT IN MECHANICAL ROOMS. ALL EXPOSED WIRING SHALL BE PLENUM RATED, AND SUPPORTED AS CODE REQUIRES.
D. ALL LOW VOLTAGE COMMUNICATIONS WIRING SHALL BE RUN IN DEDICATED RACEWAYS, AND NOT SHARED WITH POWER WIRING OR OTHER SYSTEMS.
E. AT PECKERHEAD MOTOR CONNECTIONS USE RUBBER INSULATED CONNECTORS/LUGS.

END OF SECTION 26 05 19.11

SECTION 26 05 26 -GROUNDING AND BONDING

PART 1 GENERAL

1.1 REQUIREMENTS

A. ALL SYSTEMS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH 2020 NEC ARTICLE 250 AND 517.

PART 2 PRODUCTS

2.1 MATERIALS

A. GROUNDING AND BONDING CONDUCTORS: 600V COPPER CONDUCTORS, THWN, THHN FOR GROUNDED SYSTEMS, XHHW-2, RHHW-2 FOR ISOLATED POWER SYSTEMS.
B. CONDUIT: GROUNDING CONDUITS TO WIRING DEVICES OR OTHER POWERED ELECTRICAL DEVICES SHALL BE ROUTED IN EMT CONDUIT AS ARE GROUNDING CONDUCTORS FROM ROOM GROUND JUNCTION BOX TO CENTRAL GROUND JUNCTION BOX. GROUNDING CONDUCTORS TO PIPING, METAL STRUCTURE, CEILING GRID, AND SIMILAR ARE NOT REQUIRED TO BE ROUTED IN CONDUIT.

PART 3 EXECUTION

3.1 INSTALLATION

A. IN EACH OPERATION ROOM, PROCEDURE ROOM, ETC., INDICATED TO HAVE EQUIPOTENTIAL GROUNDING SYSTEM, THE FOLLOWING SHALL BE BONDED TOGETHER TO THE ROOM JUNCTION BOX: 1. ALL EXPOSED METAL, 2. ALL CONDUCTIVE BUILDING SURFACES AND UTILITIES RUNNING THROUGH THE ROOM, 3. GROUND JACKS, 4. EQUIPMENT GROUND BUS IN PANELBOARDS AND LINE ISOLATION PANELBOARDS SERVING THE ROOM.
B. BONDING CONDUCTORS FOR NON-ELECTRICAL ITEMS SHALL BE #10 STRANDED WIRE. BONDING CONDUCTORS SHALL BE DEDICATED AND NOT "LOOPED".
C. BONDING OF METAL DOORS FRAMES, WINDOW FRAMES, AND OTHER FLAT METAL SURFACES SHALL BE MADE WITH WELDING A 10-32 STUD.
D. TEST GROUNDING CONTINUITY PRIOR TO CLOSING WALLS AND CEILINGS.

END OF SECTION 26 05 26

SECTION 26 05 33 -RACEWAY, BOXES, AND SUPPORTS

PART 1 GENERAL

1.1 REQUIREMENTS

A. ALL MATERIAL SHALL BE UL LISTED AND SHALL BE INSTALLED IN CONFORMANCE WITH THE 2020 NATIONAL ELECTRICAL CODE.

PART 2 PRODUCTS

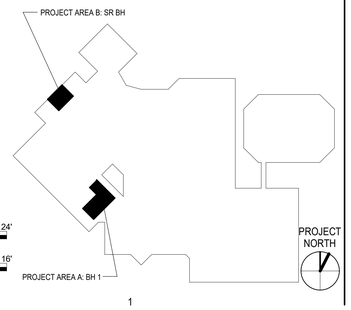
2.1 RACEWAYS

A. CONDUIT BODIES: ALLIED, TRIANGLE, WHETLEAND OR APPROVED EQUIVALENT
B. FITTINGS AND BUSHINGS: THOMAS AND BETTS, RACO, OR STEEL CITY.
C. RIGID METAL CONDUIT (RMC) SHALL BE

1 ELECTRICAL - LEVEL 01- AREA A - BH 1 - OVERALL PLAN
SCALE: 3/32" = 1'-0"

2 ELECTRICAL - LEVEL 04 - AREA B - SR BH - OVERALL PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN



3/32"=1'-0" 8' 4' 0 12' 24'

1/8"=1'-0" 8' 4' 0 8' 16'

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Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BULFORD 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 01 - OVERALL PLANS

SHEET NO.
E100

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

THIS DWG: 1:1 ISTB AAB Autodesk Docs://RENOVATION AH Cabarrus BH Renovation/JAZZID_14452_AH Cabarrus_ELEC_MEP_V
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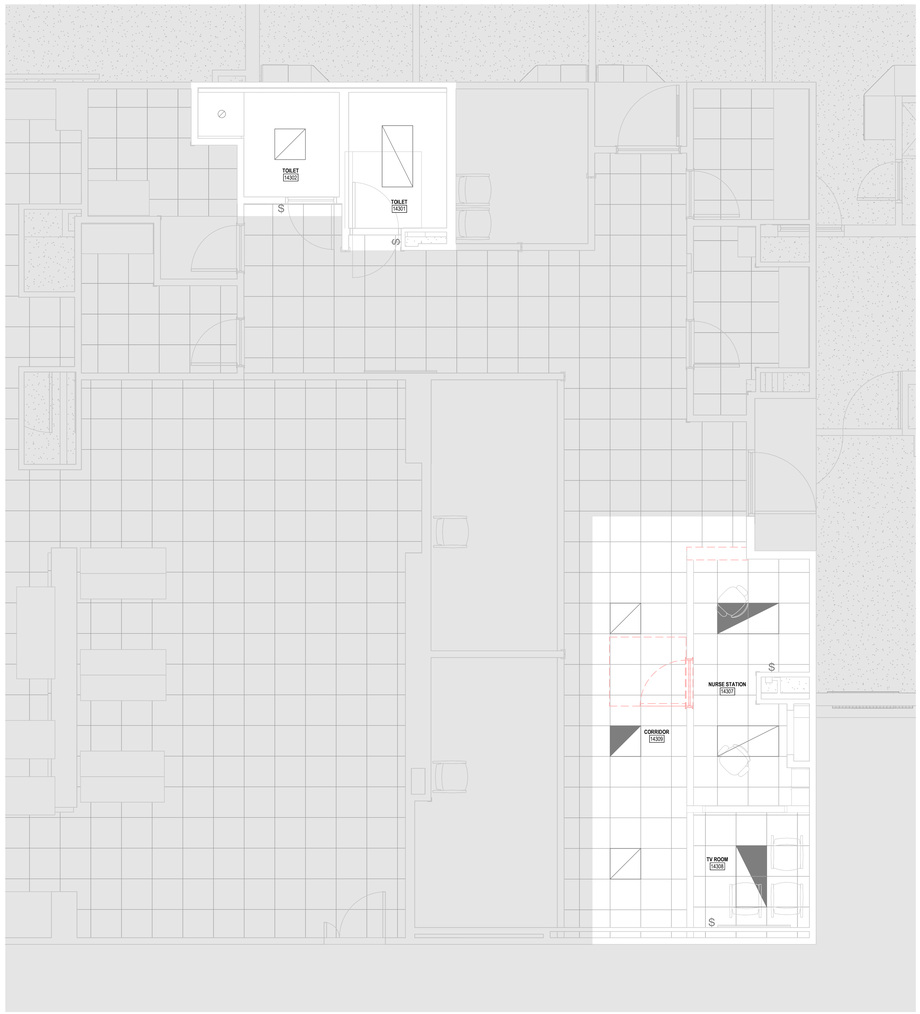


1 ELECTRICAL - LEVEL 01 - AREA A - BH 1 - LIGHTING - DEMOLITION
SCALE: 1/4" = 1'-0"

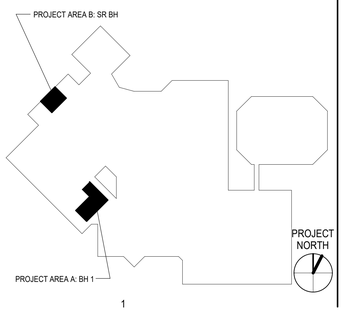
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET TITLE:
ELECTRICAL - LEVEL 01 - LIGHTING - DEMOLITION

SHEET NO. E200

PROJ. NO. JAZZID_14452

MPS PROJ. NO. 02600404.00

THURSDAY 11:17:57 AM Author: Brian.Williams@AZB, MAS2 Art Drawing: E200_MEP_F
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SCALE: 1/4" = 1'-0"

LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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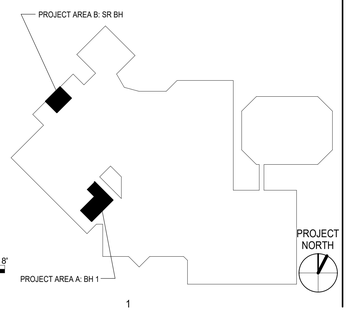
KEY PLAN



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Project No. 06681-0043

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ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:

ELECTRICAL - LEVEL 01 - POWER AND SPECIAL SYSTEMS - DEMOLITION

SHEET NO. E201

PROJECT NUMBER: JAZZID_14452

A/E PROJECT #: 02600404.00

THURSDAY, 7/15/2026 11:17:57 AM Autodesk Docs://06681-0043/AH CC Cabarrus BH Renovation/JAZZID_14452_AH Cabarrus_CSD_MEP.rvt
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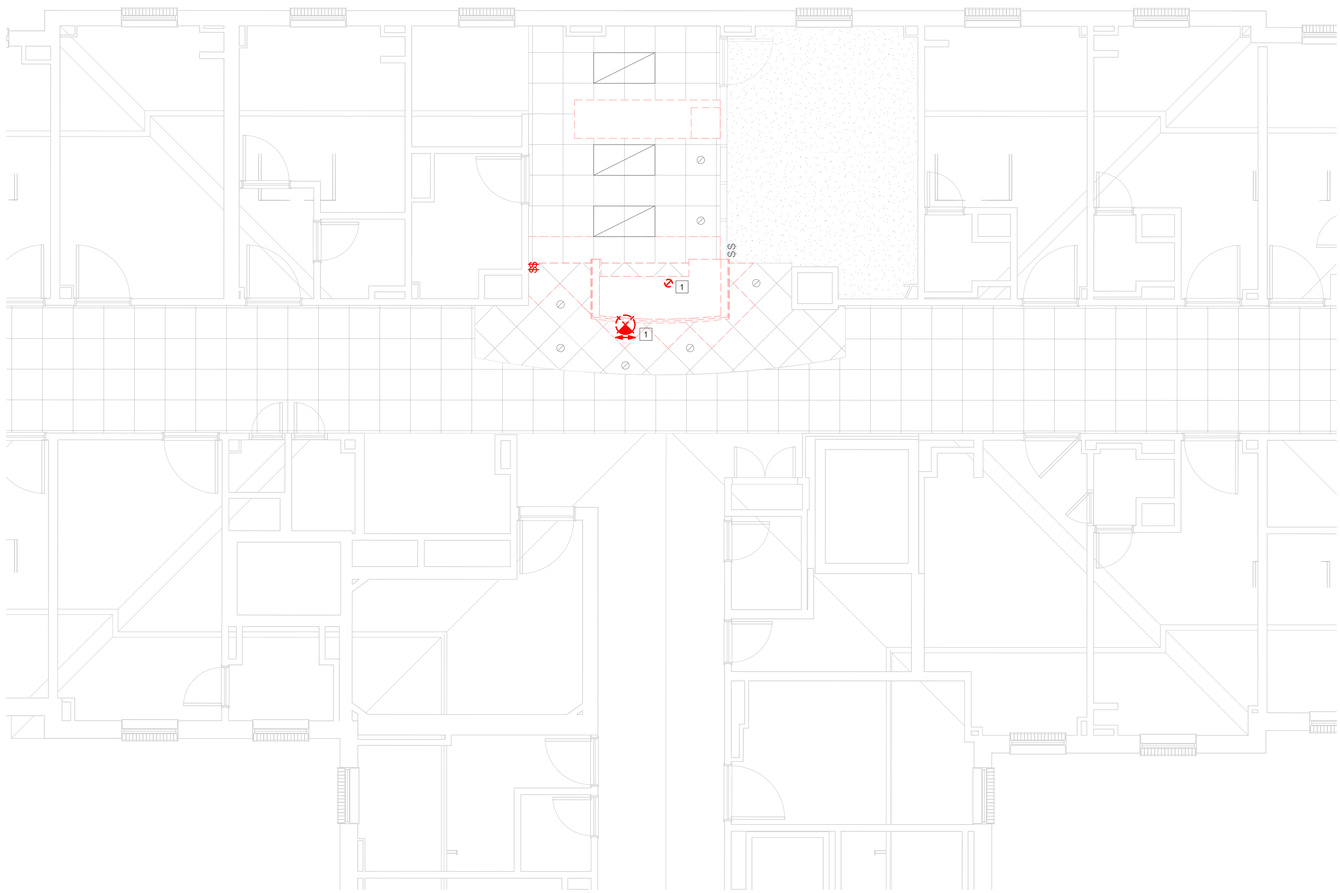


1 ELECTRICAL - LEVEL 04 - AREA B - SR BH - LIGHTING - DEMOLITION
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. REMOVE DOWNLIGHT AND EXIT SIGN, SAVE FOR REINSTALLATION IN NEW CEILING.

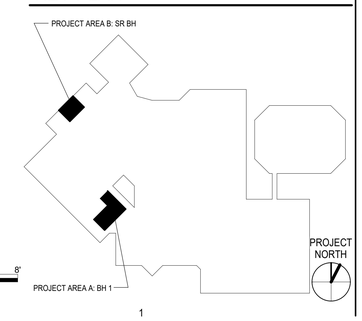
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
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SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 04 - LIGHTING - DEMOLITION

SHEET NO.
E202

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

THIS FILE: 1:\1778.AH ... Atrium Plans\06681-0043_AH Cabarrus BH Renovation\06681-0043_AH Cabarrus BH Renovation - E202 - MEP - P
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1 ELECTRICAL - LEVEL 04 - AREA B - SR BH - POWER AND SPECIAL SYSTEMS - DEMOLITION
SCALE: 1/4" = 1'-0"

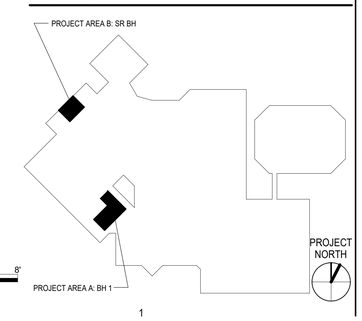
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 04 - POWER AND SPECIAL SYSTEMS - DEMOLITION

SHEET NO. E203

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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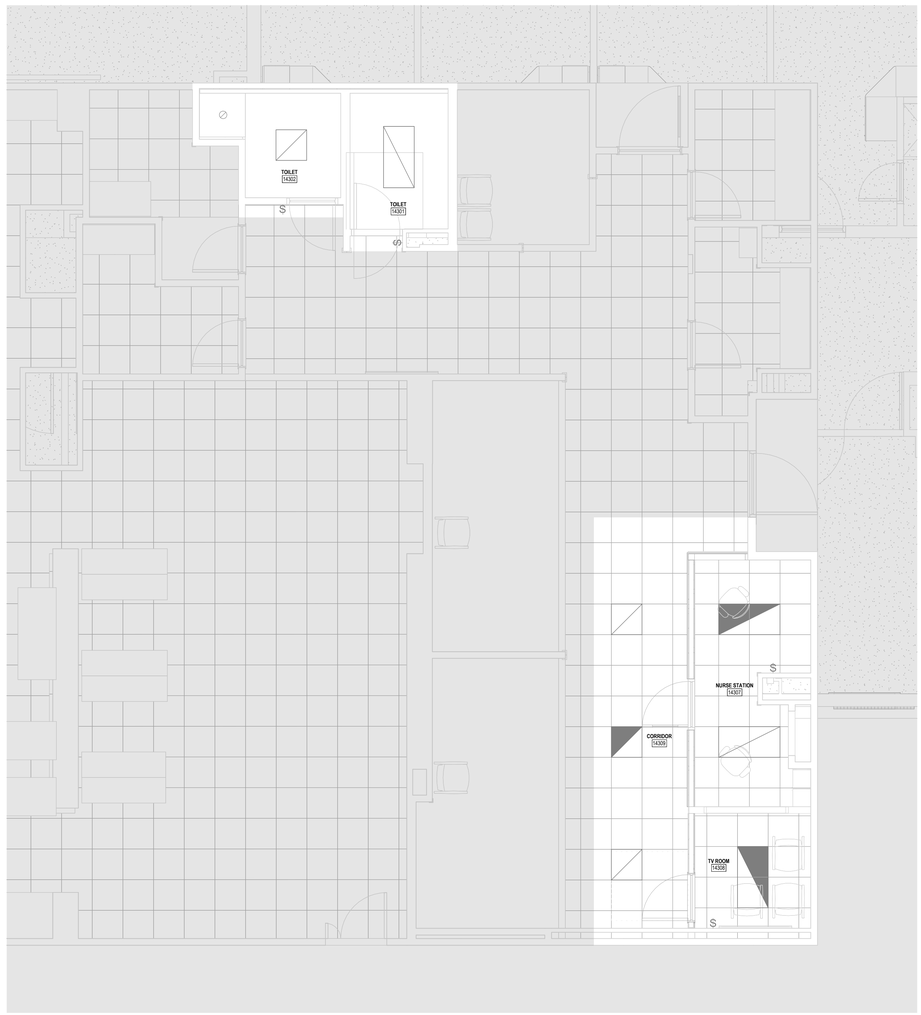


1 ELECTRICAL - LEVEL 01 - AREA A - BH 1 - LIGHTING - NEW WORK
SCALE: 1/4" = 1'-0"

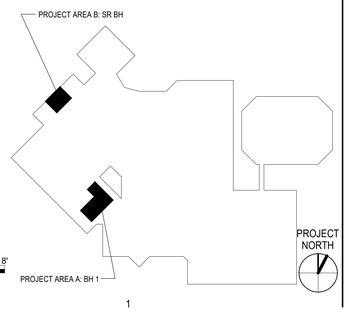
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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1400 East Morehead St.
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mcmillan pazdan smith
ARCHITECTURE

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ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BULFORD
7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 01 - LIGHTING - NEW WORK

SHEET NO.
E300

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

7/15/2026 11:01:17 AM Autodesk Docs://06681-0043 AH Cabarrus BH Renovation/AZZID_14452_AH Cabarrus_E300_MEP.rvt
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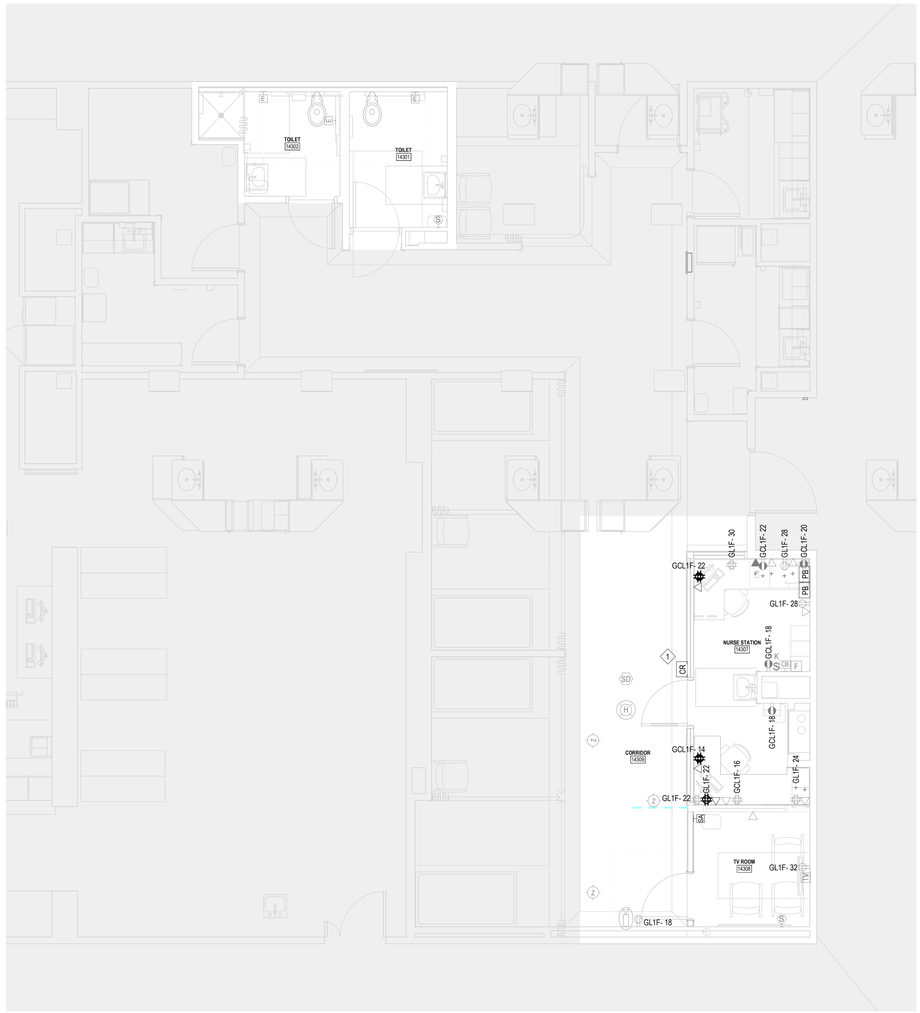


1 ELECTRICAL - LEVEL 01 - AREA A - BH 1 - POWER AND SPECIAL SYSTEMS - NEW WORK
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. LOW CARD READER TO BE HOSTED BENEATH WINDOW SPACE.

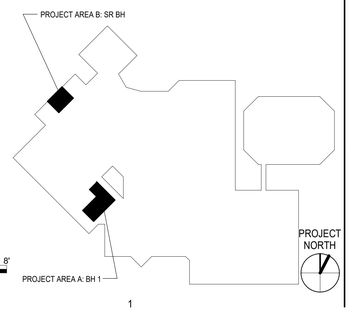
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BULFORD 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 01 - POWER AND SPECIAL SYSTEMS - NEW WORK

SHEET NO. E301

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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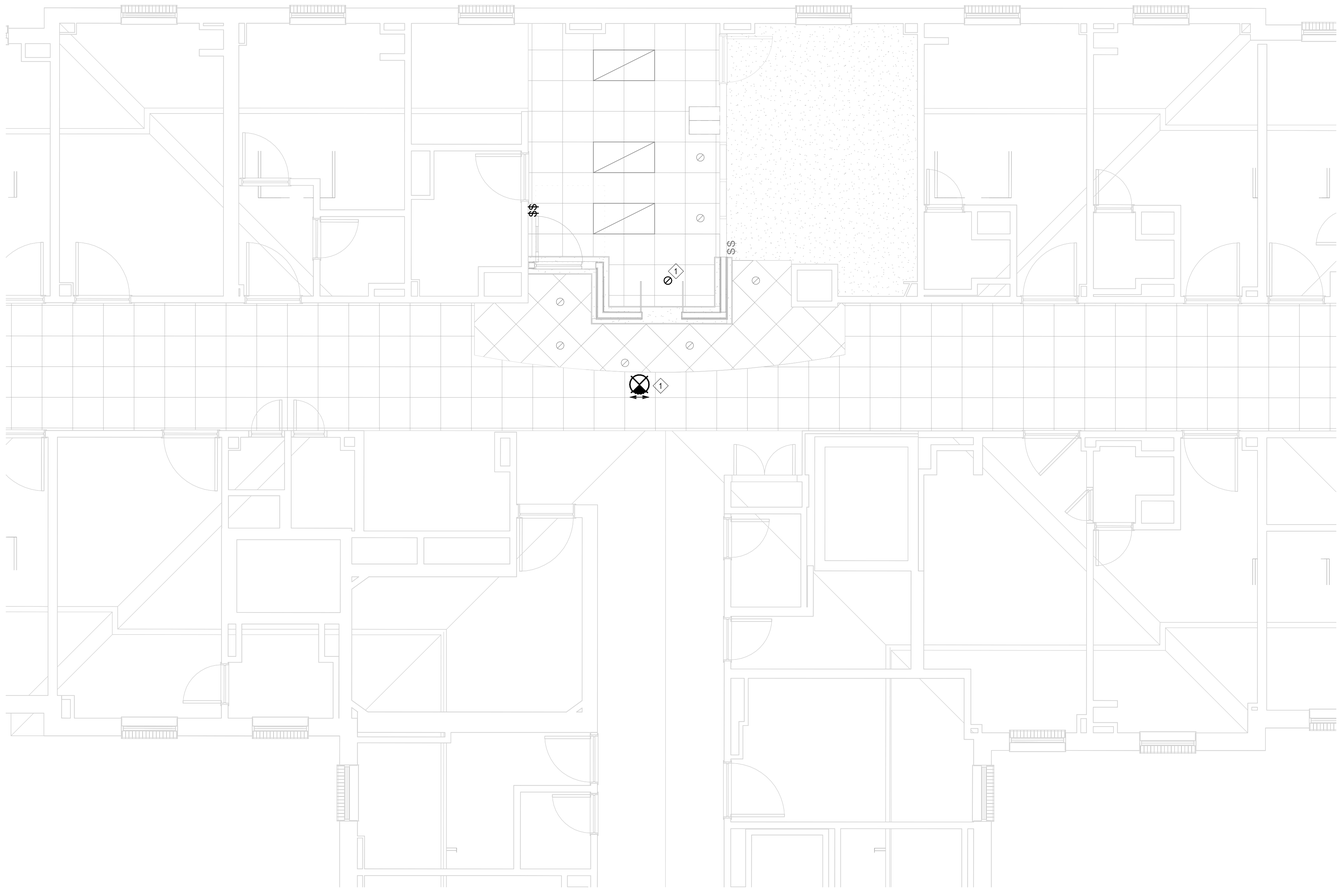

1 ELECTRICAL - LEVEL 04 - AREA B - SR BH - LIGHTING - NEW WORK
SCALE: 1/4" = 1'-0"

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Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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KEY NOTES:

1. REINSTALL DOWNLIGHT AND EXIT SIGN.

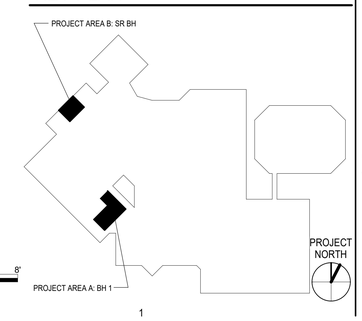
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BULFORD 7/16/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

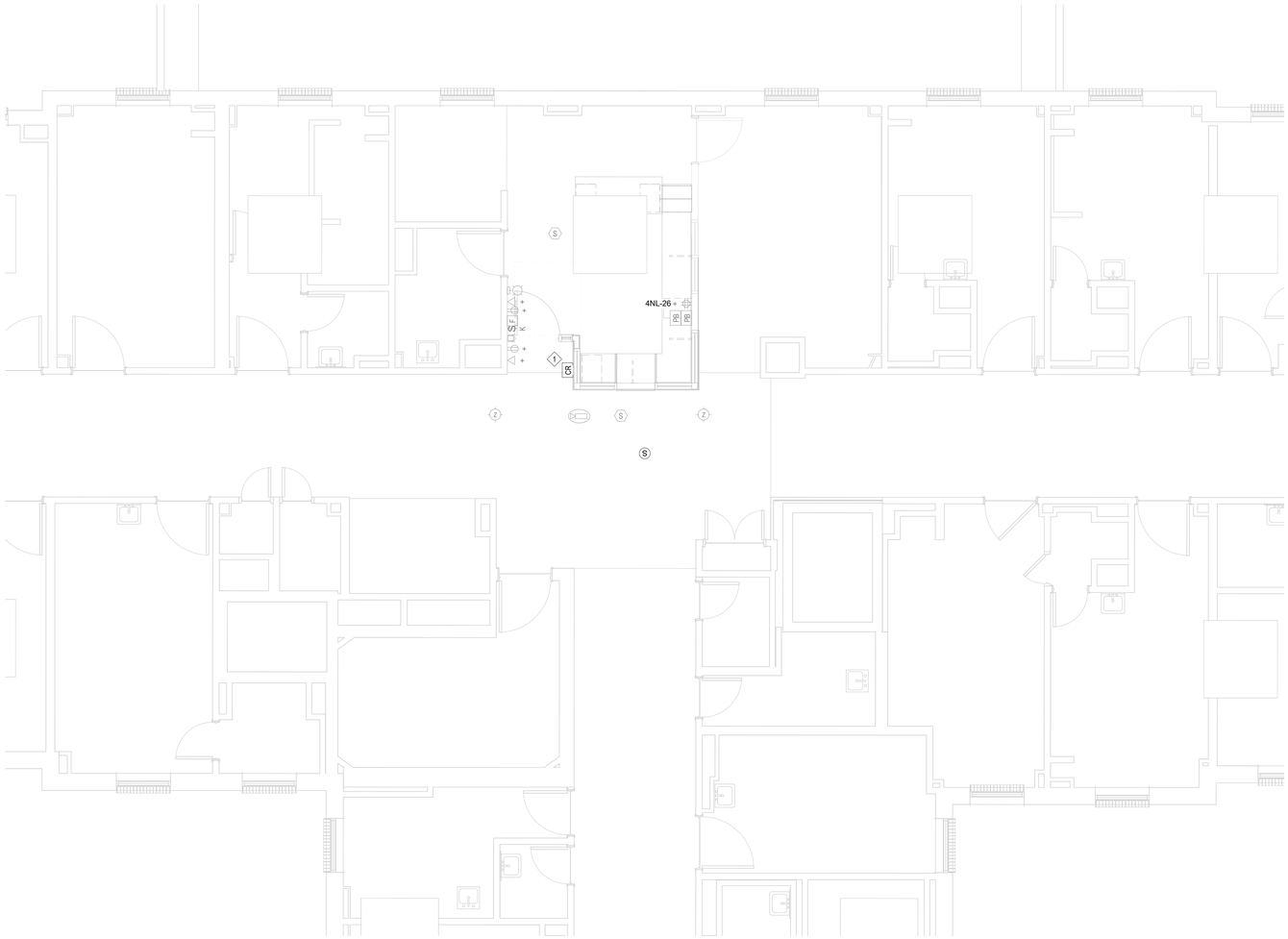
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 04 - LIGHTING - NEW WORK

SHEET NO.
E302

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00



1 ELECTRICAL - LEVEL 04 - AREA B - SR BH - POWER AND SPECIAL SYSTEMS - NEW WORK
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. LOW CARD READER TO BE HOSTED BENEATH WINDOW SPACE.

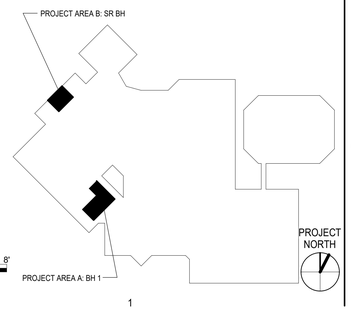
LINETYPE LEGEND

EXISTING TO REMAIN

DEMOLITION

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

KEY PLAN



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NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BULFORD 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - LEVEL 04 - POWER AND SPECIAL SYSTEMS - NEW WORK

SHEET NO. E303

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

THIS DWG: 1:\ 0179.dwg Active Plot: PRINTMANAGER, MAS Ref: Xref: Xref Name: 1:\02_MEP 4
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EXISTING PANEL: GL1F

VOLTAGE: 120/208 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 100 A
MCB RATING: N/A
SERVED FROM:
ENCLOSURE NEMA... TYPE 1
MOUNTING: SURFACE
10 :KAIC RATING
LOCATION:

LOAD CLASS	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO	A		B		C		CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD CLASS
--	-	-	(E) REC. - BLANKET WARMER - CLEAN...	20	1	0	0					2	20	(E) REC. HOLDING 14313	-	-	--
--	-	-	(E) CONV. REC. - ROOM 14300, 14301	20	3			0	0			4	20	(E) REC. HOLDING 14313	-	-	--
--	-	-	SPARE	20	5					0	0	6	20	(E) REC. HOLDING 14312	-	-	--
--	-	-	(E) PLUMBING FIXTURE CONTROL -...	20	7	0	0					8	20	(E) REC. HOLDING 14312	-	-	--
--	-	-	(E) REC. HOLDING 14304	20	9			0	0			10	20	(E) REC. HOLDING 14311	-	-	--
--	-	-	(E) REC. HOLDING 14304	20	11					0	0	12	20	(E) REC. HOLDING 14311	-	-	--
--	-	-	(E) REC. MED. 14305	20	13	0	0					14	20	(E) REC. HOLDING 14310	-	-	--
--	-	-	(E) ROOM 14306, 14305	20	15			0	0			16	20	(E) REC. HOLDING 14310	-	-	--
--	-	-	(E) REC. BUNN-O-MATIC - NOUR 14306	20	17					0	0.18	18	20	CONV. REC. CORRIDOR 14309			REC
--	-	-	(E) REC. NOUR 14306	20	19	0	0					20	20	(E) EF-3 ROOF	-	-	--
--	-	-	SPARE	20	21			0	1.08			22	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	23					0	0.18	24	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	25	0	0					26	20	(E) P-TUBE STATION	-	-	--
--	-	-	SPARE	20	27			0	0.36			28	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	29					0	0.18	30	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	31	0	0.18					32	20	REC. - TV ROOM 14308			REC
--	-	-	SPARE	20	33			0	0			34	20	SPARE	-	-	--
--	-	-	SPARE	20	35					0	0	36	20	SPARE	-	-	--
--	-	-	--SPACE--	--	37	--	--					38	--	--SPACE--	-	-	--
--	-	-	--SPACE--	--	39			--	--			40	--	--SPACE--	-	-	--
--	-	-	--SPACE--	--	41					--	--	42	--	--SPACE--	-	-	--
			TOTAL CONN. LOAD (kVA):			0.18		1.44		0.54							

LOAD CLASSIFICATION	CONNECTED	DEMAND FACTOR	DEMAND
REC	2160 VA	100.00%	2160 VA

TOTAL CONNECTED AMPS: 6 A
TOTAL CONNECTED LOAD: 2.16 kVA
TOTAL ESTIMATED DEMAND AMPS: 6 A
TOTAL ESTIMATED DEMAND LOAD: 2.16 kVA

NOTES:
(E) INDICATES THE CIRCUIT IS EXISTING TO REMAIN.

EXISTING PANEL: GCL1F

VOLTAGE: 120/208 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 100 A
MCB RATING: N/A
SERVED FROM:
ENCLOSURE NEMA... TYPE 1
MOUNTING: SURFACE
10 :KAIC RATING
LOCATION:

LOAD CLASS	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO	A		B		C		CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD CLASS
--	-	-	SPARE	20	1	0	0					2	20	(E) REC. HOLDING 14313	-	-	--
--	-	-	SPARE	20	3			0	0			4	20	(E) REC. HOLDING 14312	-	-	--
--	-	-	(E) REC. HOLDING 14304	20	5					0	0	6	20	(E) REC. HOLDING 14311	-	-	--
--	-	-	(E) REC. - CRASH CART - MED 14305	20	7	0	0					8	20	(E) REC. HOLDING 14310	-	-	--
--	-	-	(E) REC. - OMNI CELL - MED 14305	20	9			0	0			10	20	(E) REC. - VC CART - TV ROOM 14308	-	-	--
--	-	-	(E) REC. MED. 14305	20	11					0	0	12	20	SPARE	-	-	--
--	-	-	(E) REC. - REFRIGERATOR - NOUR...	20	13	0	0.36					14	20	REC. - NURSE STATION 14307			REC
--	-	-	(E) REC. - MICROWAVE - NOUR 14306	20	15			0	0.36			16	20	REC. - NURSE STATION 14307			REC
--	-	-	(E) REC. - ICE MACHINE - NOUR 14306	20	17					0	0.36	18	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	19	0	0.18					20	20	REC. - LASER PRINTER N. STATION...			REC
--	-	-	SPARE	20	21			0	0.54			22	20	REC. - NURSE STATION 14307			REC
--	-	-	SPARE	20	23					0	0	24	20	SPARE	-	-	--
--	-	-	SPARE	20	25	0	0					26	20	SPARE	-	-	--
--	-	-	SPARE	20	27			0	0			28	20	SPARE	-	-	--
--	-	-	SPARE	20	29					0	0	30	20	SPARE	-	-	--
--	-	-	SPARE	20	31	0	0					32	20	SPARE	-	-	--
--	-	-	SPARE	20	33			0	0			34	20	SPARE	-	-	--
--	-	-	SPARE	20	35					0	0	36	20	SPARE	-	-	--
--	-	-	--SPACE--	--	37	--	--					38	--	--SPACE--	-	-	--
--	-	-	--SPACE--	--	39			--	--			40	--	--SPACE--	-	-	--
--	-	-	--SPACE--	--	41					--	--	42	--	--SPACE--	-	-	--
			TOTAL CONN. LOAD (kVA):			0.54		0.9		0.36							

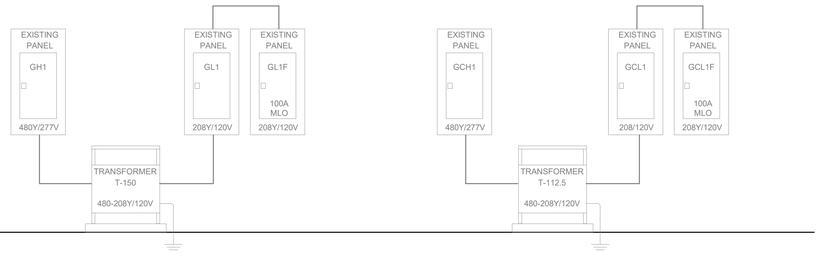
LOAD CLASSIFICATION	CONNECTED	DEMAND FACTOR	DEMAND
REC	1800 VA	100.00%	1800 VA

TOTAL CONNECTED AMPS: 5 A
TOTAL CONNECTED LOAD: 1.80 kVA
TOTAL ESTIMATED DEMAND AMPS: 5 A
TOTAL ESTIMATED DEMAND LOAD: 1.80 kVA

NOTES:
(E) INDICATES THE CIRCUIT IS EXISTING TO REMAIN.

LINE TYPE LEGEND

- EXISTING TO REMAIN
- DEMOLISH
- NEW WORK



1 PARTIAL RISER DIAGRAM
SCALE: NO SCALE

LOAD SUMMARY

EXISTING PANEL DESIGNATION - GL1F

PNL RATED CAPACITY:	100 AMPS
EXISTING LOAD :	12.6 KVA
REMOVED LOAD :	0 KVA
ADDED LOAD:	0 KVA
TOTAL CONNECTED:	12.6 KVA 35 A

NOTES:
EXISTING LOAD IS FROM EXISTING RECORD DRAWINGS

LOAD SUMMARY

EXISTING PANEL DESIGNATION - GCL1F

PNL RATED CAPACITY:	100 AMPS
EXISTING LOAD :	10.6 KVA
REMOVED LOAD :	0 KVA
ADDED LOAD:	0 KVA
TOTAL CONNECTED:	10.6 KVA 30 A

NOTES:
EXISTING LOAD IS FROM EXISTING RECORD DRAWINGS

McKIM&CREED
8020 Tower Point Drive
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704.841.2588 (Voice)
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NC License # F-1222

Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030422 THOMAS P. BUFFORD 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents
SHEET ISSUE:
NO. DATE DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:
ELECTRICAL - PARTIAL RISER DIAGRAM AND PANEL SCHEDULES

SHEET NO.
E601

PROJECT NUMBER: JAZZID_14452
A/E PROJECT #: 02600404.00

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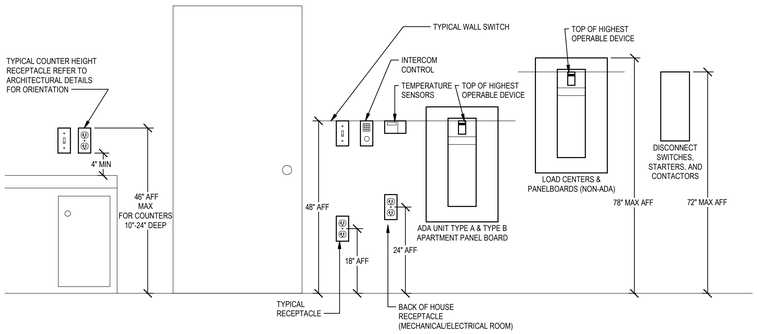
Plotted On:7/15/2026 8:55:17 AM Plotted By:thomas.buffordJAZZID - 14452 AH Cabarrus BH Renovation.rvt Drawing: E601 MEP v1



1 DEVICE MOUNTING HEIGHT DETAIL

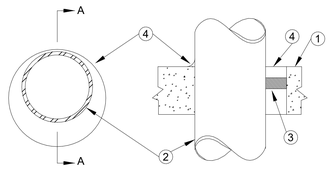
SCALE: NTS

SYSTEM NO. C-AJ-1001

MARCH 05, 2007

F RATING - 3 HR T RATING - 0 HR

W RATING- CLASS 1 (SEE ITEM 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF CIRCULAR THROUGH OPENING IS 32-1/2 IN. (826 MM). SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE - (OPTIONAL, NOT SHOWN) - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 IN. (51 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL. AS AN ALTERNATE, NOM 12 IN. (305 MM) DIAM (OR SMALLER) SLEEVE FABRICATED FROM NOM 0.019 IN. (0.48 MM) THICK GALV STEEL CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY FLUSH WITH FLOOR OR WALL SURFACES.

2. THROUGH - PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM, POINT CONTACT) TO MAX 1-3/8 IN. (35 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS, OR TUBING MAY BE USED:

A. STEEL PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

A1. IRON PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

B. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) RIGID STEEL CONDUIT.

C. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF SOLID CONCRETE OR CONCRETE BLOCK WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX PIPE SIZE IS 10 IN. (254 MM) DIAM AND WHEN MAX ANNULAR SPACE IS 1 IN. (25 MM), A MIN 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN 1/2 IN. (13 MM) FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF SOLID CONCRETE WALL.

4. FILL, VOID OR CAVITY MATERIALS* - CAULK - APPLIED TO FILL THE ANNULAR SPACE TO THE MIN THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAX PIPE DIAM IN	MAX ANNULAR SPACE IN.	PACKING MTL TYPE (a)	MIN. CAULK THKNS IN
10 (254)	1 (25)	BR, CF, GF or MW	1/2 (13) (b)
10 (254)	1 (25)	CF or MW	1/2 (13) (c)
30 (762)	2-1/2 (64)	BR, CF, GF or MW	1 (25) (b)

(a) BR= POLYETHYLENE BACKER ROD.
CF= CERAMIC FIBER BLANKET.
GF= GLASS FIBER INSULATION.
MW= MINERAL-WOOL BATT
(b) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL
(c) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF SOLID (NON-CONCRETE BLOCK) WALL.

3M COMPANY- TYPE CP 25WB+ OR FB-3000 WT.

(NOTE- W RATING APPLIES ONLY WHEN FB-3000 WT IS USED ON TOP SURFACE OF FLOOR AND WHEN IT LAPS ONTO CONCRETE FOR SLEEVED OPENING.)

* BEARING THE UL CLASSIFICATION MARK.

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FIRE PENETRATION SYSTEM MATERIAL MUST BE PROVIDED BY STI (SPECIFIED TECHNOLOGIES INC.)

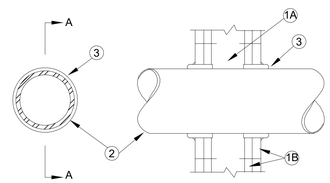
2 PENETRATION DETAIL - C-AJ-1001

SCALE: NTS

SYSTEM NO. W-L-1001

JUNE 15, 2005

F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3) T RATINGS - 0, 1, 2, 3 AND 4 HR (SEE ITEM 3) L RATING AT AMBIENT - LESS THAN 1 CFM PER SQ. FT. L RATING AT 400°F - LESS THAN 1 CFM PER SQ. FT.



SECTION A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE -- NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

B. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE. NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

C. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

D. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

E. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

OMEGA FLEX INC

2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

TITEFLEX CORP A BUNDY CO

3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

WARD MFG INC

3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT- MIN 5/8, 1-1/4, 1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM IN (MM)	F RATING HR.	T RATING HR
1 (25)	1 OR 2	0+, 1 OR 2
1 (25)	3 OR 4	3 OR 4
4 (102)	1 OR 2	0
6 (152)	3 OR 4	0
12 (305)	1 OR 2	0

+ WHEN COPPER PIPE IS USED, T RATING IS 0 H.

3M COMPANY - CP 25WB+ OR FB-3000 WT.

* BEARING THE UL CLASSIFICATION MARK.

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3 PENETRATION DETAIL - W-L-1001

SCALE: NTS

McKIM&CREED
8020 Tower Point Drive
Charlotte, NC 28227
704.841.2588 (Voice)
704.841.2567 (Fax)
NC License # F-1222

Designed JGR Drawn JGR
Checked TPB Date 07/15/2026
Project No. 06681-0043

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Atrium Health

PROJECT & CONSTRUCTION MANAGEMENT
1400 East Morehead St.
Charlotte, NC 28204

mcmillan pazdan smith ARCHITECTURE

McKIM&CREED ENGINEERS SURVEYORS PLANNERS

NORTH CAROLINA PROFESSIONAL SEAL 030422 ENGINEER THOMAS P. BUFFORD 7/15/26

ATRIUM HEALTH

AH CABARRUS BH RENOVATION

AH Cabarrus Memorial Building
Atrium Health Facility #: 1232
920 Church Street North, Concord, NC 28025

ISSUE DATE: 07/15/2026
PHASE: Construction Documents

SHEET ISSUE:

NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE: MS
PROJECT ARCHITECT: TAS
DRAWN BY: JGR

SHEET NAME:

ELECTRICAL DETAILS

SHEET NO. E701

PROJECT NUMBER: JAZZID_14452

A/E PROJECT #: 02600404.00

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