HARNETT COUNTY
EMERGENCY SERVICES
NORTH CAROLINA



Reviewed for Fire Code Compliance
Harnett County
Leslie Jackson
09/25/2026 8:31:58 AM

Application for Fire Marshal Plan Review

Type of Review Requested: ☐ Site Plan Review ☒ Building Plan Review

Project Information

Project Name: BenchMark Physical Therapy - Cameron

Project Physical Address: 2285 NC 24-87 Cameron, NC 28326

PIN #: 9594--26-4447.00

Plan Information

Plans Submitted by: BenchMark Physical Therapy - tenant

Contact Person: Sarah Ward-Lewis

Contact Phone #: 205-829-5850

Contact Email: sward-lewis@urpt.com

Contractor Information

Contractor/Company Name: Turnkey Solutions, Inc. dba Goodman Builders and CO

Company Mailing Address: 1075 N Service Rd West Saint Clair, MO 63077

Primary Contact Name: Blake Goodman

Contact Phone #: 636-262-4537

Contact EMail: blake.goodman!1turnkeysolution.com

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the eTrakit portal, or by calling the Harnett County Central Permitting Department (910-893-7525, Option #1) or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be obtained through Central Permitting (via centralpermitting@harnett.org email) at the time of payment; payment can be made over the phone (910-893-7525, Option #1) or at the Central Permitting Office (420 McKinney Parkway Lillington, NC 27546).
- All fees must be paid before any required inspections can be conducted.

Revised 9/10/2025

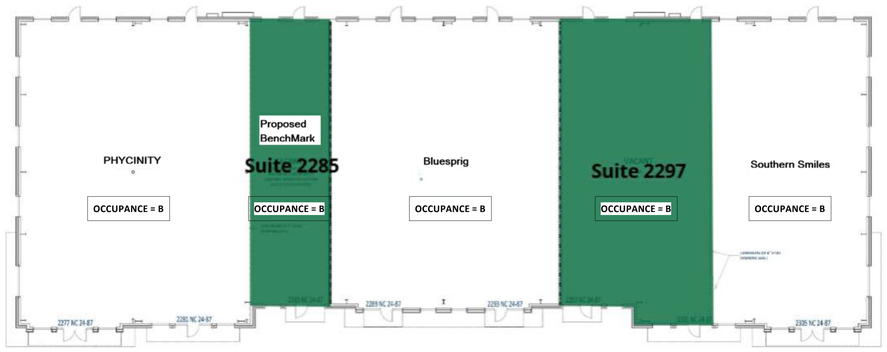
BENCHMARK PHYSICAL THERAPY

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspections and verification.

Reviewed for Code Compliance

09/23/2026

Harnett COUNTY NORTH CAROLINA



DRAWING INDEX

Sheet Number	Sheet Name	Project Issue Date
01 ARCHITECTURAL		
A0.1	COVER SHEET & DRAWING INDEX	04/21/26
A0.2	CODE SHEET & ADA DETAILS	04/21/26
A0.2A	Appendix B	04/21/26
A0.2B	Appendix B	04/21/26
A0.3	ADA DETAILS	04/21/26
A0.4	WALL TYPES & TYP DETAILS	04/21/26
A0.5	WALL BLOCKING DETAILS	04/21/26
A0.6	MISC GENERAL DETAILS	04/21/26
A1.2	FLOOR PLAN	04/21/26
A1.4	REFLECTED CEILING PLAN	04/21/26
A1.5	FINISH PLAN	04/21/26
A1.6	ARCHITECTURAL ELECTRICAL PLAN	04/21/26
A1.7	EQUIPMENT PLAN	04/21/26
A3.1	CASEWORK DETAILS	04/21/26
02 MECHANICAL		
M0.1	HVAC SCHEDULE AND NOTES	04/21/26
M1.1	HVAC FLOOR PLAN	04/21/26
03 PLUMBING		
P0.1	PLUMBING GENERAL	04/21/26
P1.1	PLUMBING WASTE AND SUPPLY PLANS	04/21/26
04 ELECTRICAL		
E0.1	ELECTRICAL SPECIFICATIONS	04/21/26
E1.1	ELECTRICAL POWER PLAN	04/21/26
E1.2	ELECTRICAL LIGHTING PLAN	04/21/26
E2.1	PANEL BOARD AND LOAD ANALYSIS	04/21/26

GENERAL NOTES

THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SPECIFICATIONS, SCHEDULES, ETC. INCLUDED IN THESE DRAWINGS AND THE SPECIFICATIONS. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THESE DRAWINGS AND THE SPECIFICATIONS AND SHALL IMMEDIATELY NOTIFY THE TENANT IN WRITING OF ANY INCONSISTENCIES.

THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201, 2007 EDITION, PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS EXCEPT AS MODIFIED BY THE OWNER'S "SUPPLEMENTARY CONDITIONS", SHALL BE THE CONDITIONS ON WHICH THE CONTRACT FOR THIS WORK SHALL BE BASED.

THE TENANT IS SOLELY RESPONSIBLE FOR THE DESIGN INTERPRETATION OF THE CONSTRUCTION DOCUMENTS. WHERE THERE IS A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS NOTIFY THE TENANT IN WRITING PRIOR TO PROCEEDING.

THE CONTRACTOR SHALL NOT SCALE DRAWINGS.

THE CONTRACTOR SHALL NOT ISSUE PARTIAL CONSTRUCTION DOCUMENT SETS TO SUB-CONTRACTOR OR VENDORS.

THE CONTRACTOR SHALL MAINTAIN PHONE / FAX / EMAIL ACCESS ON THE JOBSITE AT ALL TIMES. CONTRACTOR IS TO PROVIDE CONTACT INFORMATION TO THE TENANT.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AN ACCURATE SET OF DOCUMENTS ON THE JOBSITE. THE CONTRACTOR IS RESPONSIBLE TO COMMUNICATE ALL CHANGES AND CLARIFICATIONS WITH THE APPROPRIATE CODES OFFICIALS AS REQUIRED.

THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES. ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE TENANT IN WRITING PRIOR TO BID. TENANT'S VENDORS ARE TO BE SUPPLIED WITH ALL MEASUREMENTS AND PERTINENT COMPONENTS UNCOVERED DURING WORK.

THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES AND SPRINKLER EQUIPMENT.

THE CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION OF BUILDING SYSTEMS AND EQUIPMENT AND VERIFY THAT REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF THE EQUIPMENT AND ASSOCIATED WORK ARE PROVIDED. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING SYSTEMS: MECHANICAL, ELECTRICAL, LIGHTING, PLUMBING, TELEPHONE AND SPRINKLER EQUIPMENT.

CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION AND PROTECT DURING CONSTRUCTION.

THE CONTRACTOR SHALL COORDINATE WITH ALL BUILDING TRADES INVOLVED IN THE PROJECT TO ENSURE PROPER CLEARANCES FOR FIXTURES, DUCTS, CEILING, ETC.. CONTRACTOR SHALL COORDINATE ALL TRADES INCLUDED TO MAINTAIN THE CEILING HEIGHTS NOTED ON THE DRAWINGS. ANY CONFLICTS SHALL BE REPORTED IN WRITING TO THE TENANT. WHEN REQUIRED BY THE PROJECT SPECIFICATIONS THE CONTRACTOR SHALL PREPARE COMPOSITE SHOP DRAWINGS OF ALL TRADES INVOLVED IN AN INSTALLATION.

UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND GOVERNMENTAL FEES, LICENSES, AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICES REQUIRED BY LAW, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON PERFORMANCE OF THE WORK.

THE BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATERTIGHT CONDITION AT ALL TIMES THROUGHOUT ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY ENCLOSURES AS REQUIRED.

IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, POLYCHLORINATED BIPHENYL (PBC), MOLD OR OTHER TOXIC MATERIAL WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION IN WRITING TO THE TENANT. THE TENANT SHALL NOT BE RESPONSIBLE FOR DIRECTING OR PARTICIPATING IN ANY MATERIAL ABATEMENT WORK.

ARCHITECTURAL DRAWINGS ARE ISSUED INCLUSIVE OF CONSULTANT ENGINEERING DRAWINGS – MECHANICAL, PLUMBING AND ELECTRICAL. AS SUCH THE TENANT IS RESPONSIBLE FOR ADDRESSING COORDINATION ISSUES SPECIFIC TO THE ARCHITECTURAL SCOPE OF WORK. NOTIFY TENANT OF ALL COORDINATION ISSUES IN WRITING TO BE ADDRESSED PRIOR TO COMMENCEMENT OF WORK.

NO ADDITIONAL REQUIRED STRUCTURAL LOADS ARE ANTICIPATED OUTSIDE THE SCOPE OF WORK IN THESE DOCUMENTS. IN THE EVENT ANY ADDITIONAL STRUCTURAL LOADS DO OCCUR, THE CONTRACTOR SHALL HIRE A LICENSED STRUCTURAL ENGINEER TO VERIFY THE STRUCTURAL REQUIREMENTS.

IN THE EVENT A CONTRACTOR, SUPPLIER, OR OTHER PARTY REQUEST COPIES OF ELECTRONIC MEDIA SUCH AS BUT NOT LIMITED TO CADD FILES, PDFS, ETC, FROM THE TENANT OR CONSULTING ENGINEER, A RELEASE FORM SHALL BE EXECUTED BY THE RECEIVING PARTY.

MATERIALS PROVIDED BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK IN THESE DOCUMENTS SHALL BE INSTALLED PER MANUFACTURERS WARRANTY REQUIREMENTS AND PER CURRENT BUILDING CODES.

ITEMS REQUIRING FINISH SELECTION THAT DO NOT APPEAR IN THE CONSTRUCTION DOCUMENTS SHALL BE SELECTED FROM SHOP DRAWINGS, SUBMITTALS AND/OR SAMPLES SUBMITTED BY THE CONTRACTOR FOR REVIEW.

PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN FURRING SPACES WITH THE EXCEPTION OF PIPING IN STAIRWAYS, ELECTRICAL ROOMS, AND MECHANICAL ROOMS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING WITH PIPING INSTALLED IN FINISHED AREAS. THE CONTRACTOR SHALL GAIN APPROVAL FROM THE TENANT PRIOR TO LOCATING AND/OR PROVIDING ANY "FURRING SPACES" WHICH ARE NOT SPECIFICALLY INDICATED IN THE CONSTRUCTION DOCUMENTS.

LL POWER, DATA, A/V, TELEPHONE, SECURITY, OVERHEAD AND THRU PHONE PAGING, DEDICATED POWER, ETC TO BE REVIEWED AND CONFIRMED WITH TENANT AND TENANTS SUB-VENDORS PRIOR TO COMMENCEMENT OF WORK. FINAL LOCATION DRAWINGS TO BE PROVIDED BY SUB-VENDOR / SUB-CONTRACTOR AS REQUIRED. CONTRACTOR SHALL NOTIFY TENANT WHEN TENANT'S SUB-VENDORS ARE REQUIRED AT PROJECT SITE TO INSTALL TELEPHONE, DATA, A/V, SECURITY, AND POINT OF SALE COMPONENTS.

ALL FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC LOCATED IN RATED WALLS SHALL BE BACKED WITH GYPSUM BOARD AS REQUIRED TO MAINTAIN REQUIRED WALL RATING.

RATED FIRE AND SMOKE PARTITIONS SHALL BE LABELED ABOVE CEILING PER CODE REQUIREMENTS.

FOR ALL WALL PARTITION ASSEMBLIES USING GWB, THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE MOST CURRENT EDITION OF THE GYPSUM ASSOCIATION GA-600 FIRE RESISTANCE DESIGN MANUAL. THE MOST CURRENT EDITION OF THE UNDERWRITERS LABORATORIES U.L. FIRE RESISTANCE DIRECTORY, AND THE MOST CURRENT EDITION OF THE GYPSUM CONSTRUCTION HANDBOOK AS PUBLISHED BY THE U.S.G. CORPORATION. ALL GWB SHALL BE CUT SO THAT THE CLEARANCE BETWEEN ELECTRICAL OUTLET BOXES AND THE GWB DOES NOT EXCEED 1/8". ALL GWB ASSEMBLIES SHALL RECEIVE A LEVEL FOUR FINISH UNLESS NOTED OTHERWISE.

FIRE EXTINGUISHER, ELECTRICAL PANELS, TELEPHONE EQUIPMENT BOARDS, ETC, SHALL BE LOCATED IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING AGENCIES HAVING JURISDICTION. ANY LOCATIONS NOT SHOWN SHALL BE VERIFIED WITH TENANT PRIOR TO ROUGH-IN AND INSTALLATION. UNLESS OTHERWISE NOTED, THE ABOVE PANELS AND/OR EQUIPMENT SHALL BE FULLY RECESSED AND MAINTAIN INTEGRITY OF WALLS FIRE RATING REQUIREMENTS.

CAULK AT ALL JUNCTURES OF INTERIOR FACES OF DISSIMILAR MATERIALS EVEN WHERE JOINT MAY NOT BE READILY VISIBLE. CAULK SELECTION SHALL BE APPROPRIATE FOR USE WITH THE ADJOINING MATERIALS.

SEE REFERENCE SHEETS FOR TYPICAL MOUNTING HEIGHTS AND ADA STANDARDS.

FOR ABBREVIATIONS NOT DEFINED IN THE LEGEND, CONTACT TENANT FOR CLARIFICATION.

"TYPICAL" (TYP.) MEANS IDENTICAL FOR ALL CONDITIONS WHICH MATCH THE ORIGINAL CONDITION INDICATED UNLESS NOTED OTHERWISE. "SIMILAR" (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION OF CONDITIONS WHICH MAY VARY FROM TYPICAL OR SIMILAR CONDITIONS INDICATED. "OPPOSITE HAND" (OPH) MEANS CONDITION NOTED IS THE MIRROR IMAGE OF THE DETAIL REFERENCED. "ALIGN" MEANS ALIGNMENT OF SIMILAR COMPONENTS OF CONSTRUCTION (I.E. WALLS, JAMBS, ETC.) WHICH ARE ADJACENT OR IN LINE WITH EACH OTHER ACROSS VOIDS.

THE DRAWINGS / INFORMATION CONTAINED ON THIS SHEET ARE THE COPYRIGHTED PROPERTY OF TENANT AND TENANT'S LEGAL ENTITY. NO DUPLICATION OR DISSEMINATION IN WHOLE OR IN PART IS PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM BENCHMARK REHAB PARTNERS.

DOCUMENTS ARE BASED ON EXISTING CONDITIONS AND OWNER PROVIDED INFORMATION. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BIDDING OR COMMENCING WORK. BENCHMARK REHAB PARTNERS ASSUMES NO LIABILITY FOR ACCURACY OF EXISTING INFORMATION.

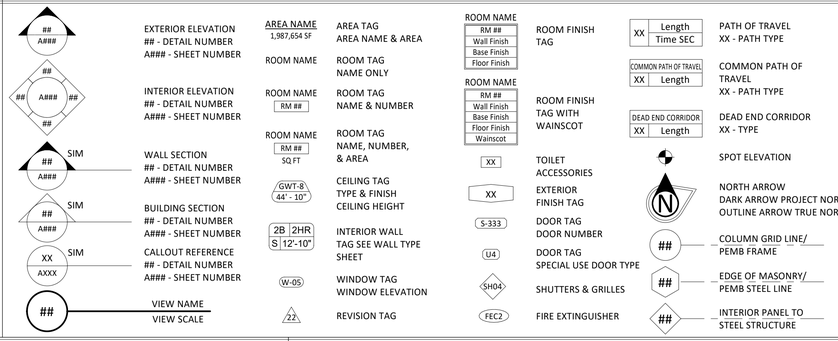
VICINITY MAP



SITE MAP



SYMBOL LEGEND



GENERAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSULTANT DRAWINGS. ANY DISCREPANCIES FOUND BETWEEN THE ARCHITECTURAL DRAWINGS AND CONSULTANT DRAWINGS WILL BE BROUGHT TO THE ARCHITECTS ATTENTION FOR CLARIFICATION BEFORE ORDERING OR INSTALLING THE SYSTEMS OR PRODUCT.
2. DO NOT SCALE DRAWINGS FOR DIMENSIONS. WRITTEN DIMENSIONS TAKE PRECEDENT. IF THERE IS A DISCREPANCY NOTIFY THE ARCHITECT FOR CLARIFICATION.
3. ANY PRODUCTS OR SYSTEMS SHALL BE INSTALLED, CONNECTED, CONSTRUCTED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SUPERVISION ON THE PROJECT. MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND THEIR COORDINATION FOR ANY PORTION OF THE REQUIRED WORK, FALL UNDER THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CUTTING AND PATCHING WORK OF EXISTING CONDITIONS AND SHALL RESTORE ANY PATCHED WORK TO MATCH THE EXISTING CONSTRUCTION.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS WITH CONTRACT DRAWINGS FOR METHODS OF CONSTRUCTION.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL BUILDING CODES AS SET FORTH BY THE COUNTY, CITY OR STATE OF JURISDICTION THAT THE PROJECT RESIDES.

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS
ARCH	ARCHITECT
BLKG	BLOCKING
B.O.	BOTTOM OF
B.O.S.	BOTTOM OF STEEL
BYND	BEYOND
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
DEMO	DEMOLISH OR DEMOLITION
DS	DOWNSPOUT
EQ	EQUAL
EQUIP	EQUIPMENT
EJ	EXPANSION JOINT
EXST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN OR FIRE DEPARTMENT
FIXT	FIXTURE
FO	FACE OF
GA	GAUGE
GALV	GALVANIZED
GWB	GYPSUM WALL BOARD
HC	HOLLOW CORE
HM	HOLLOW METAL
HR	HOUR
HVAC	HEATING, VENTILATION & AIR CONDITIONING
INSUL	INSULATED OR INSULATION
INT	INTERIOR
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NIC	NOT IN CONTRACT
NOM	NOMINAL
OC	ON CENTER
PEMB	PRE-ENGINEERED METAL BUILDING
PLMB	PLUMBING
PVC	POLYVINYL CHLORIDE
RCP	REFLECTED CEILING PLAN
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
SIM	SIMILAR
SPEC	SPECIFIED OR SPECIFICATION
STL	STEEL
STRUCT	STRUCTURE OR STRUCTURAL
TD	TRAVEL DISTANCE
TELE	TELEPHONE
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
WD	WOOD
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

PROJECT TEAM

OWNER
UPSTREAM REHABILITATION, LLC
1200 CORPORATE DRIVE, SUITE 400
BIRMINGHAM, AL 35242
PHONE: 432-238-7217
EMAIL: facilities@urpt.com

CIVIL ENGINEER
NOT UNDER H2A CONTRACT

ARCHITECT
H2A ARCHITECTURE & DESIGN
2475 NORTHWINDS PKWY STE 200
ALPHARETTA, GA 30009
CONTACT: PETER HILLERMANN
PHONE: 404-550-0718 x 1001
EMAIL: PETER&H2ACO.COM

STRUCTURAL ENGINEER
NOT UNDER H2A CONTRACT

PLUMBING ENGINEER
RAY GROUP CONSULTING ENGINEERS, INC
1827 POWERS FERRY ROAD, BLDG 20, STE 100
ATLANTA, GA 30339
CONTACT: Keith Mikulka
PHONE: 770-953-1443

MECHANICAL ENGINEER
RAY GROUP CONSULTING ENGINEERS, INC
1827 POWERS FERRY ROAD, BLDG 20, STE 100
ATLANTA, GA 30339
CONTACT: Keith Mikulka
PHONE: 770-953-1443

ELECTRICAL ENGINEER
RAY GROUP CONSULTING ENGINEERS, INC
1827 POWERS FERRY ROAD, BLDG 20, STE 100
ATLANTA, GA 30339
CONTACT: Keith Mikulka
PHONE: 770-953-1443

GENEREAL CONTRACTOR
TBD
ADDRESS STREET
ADDRESS CITY, STATE ZIP
CONTACT: CONTACT NAME
PHONE: CONTACT PHONE
EMAIL: CONTACT EMAIL

H2A ARCHITECTURE & DESIGN
2475 NORTHWINDS PKWY STE 200
ALPHARETTA, GA 30009
404.550.0718 WWW.H2ACO.COM

PETER HILLERMANN REGISTERED ARCHITECT 12517 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS
BENCHMARK PHYSICAL THERAPY
2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
	04/21/26	PERMIT SET

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SHEET TITLE
COVER SHEET & DRAWING INDEX

PROJECT NO: 2026-0042
ISSUE DATE: 04/21/26
SCALE: As indicated
DRAWN BY: JM
CHECKED BY: PH

A0.1

FOR CONSTRUCTION

FILE NAME: C:\Users\User\Box\00-Projects\2026_Upstream Projects\2026-0042-UR-Cameron\NC\2026-0042 - UR-CameronNC - Building.rvt
PLOT DATE: 7/22/2026 2:42:02 PM

FIRE EXTINGUISHER LEGEND

FE1 FIRE EXTINGUISHER 10#: WALL MOUNT MINIMUM RATING 4A

FIRE EXTINGUISHER GENERAL NOTES

1. ALL FIRE EXTINGISHER ARE AS REQUIRED BY THE LOCAL FIRE MARSHALL
2. ALL STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NO FEWER THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER
3. PORTABLE FIRE EXTINGUISHERS SHOULD NOT BE PLACED MORE THAN 75FT OF TRAVEL DISTANCE FROM THE HAZARD (NFPA 10 TABLE 6.2.1.1)
4. GC TO VERIFY LOCATIONS WITH LOCAL BUILDING OFFICIAL BEFORE INSTALL

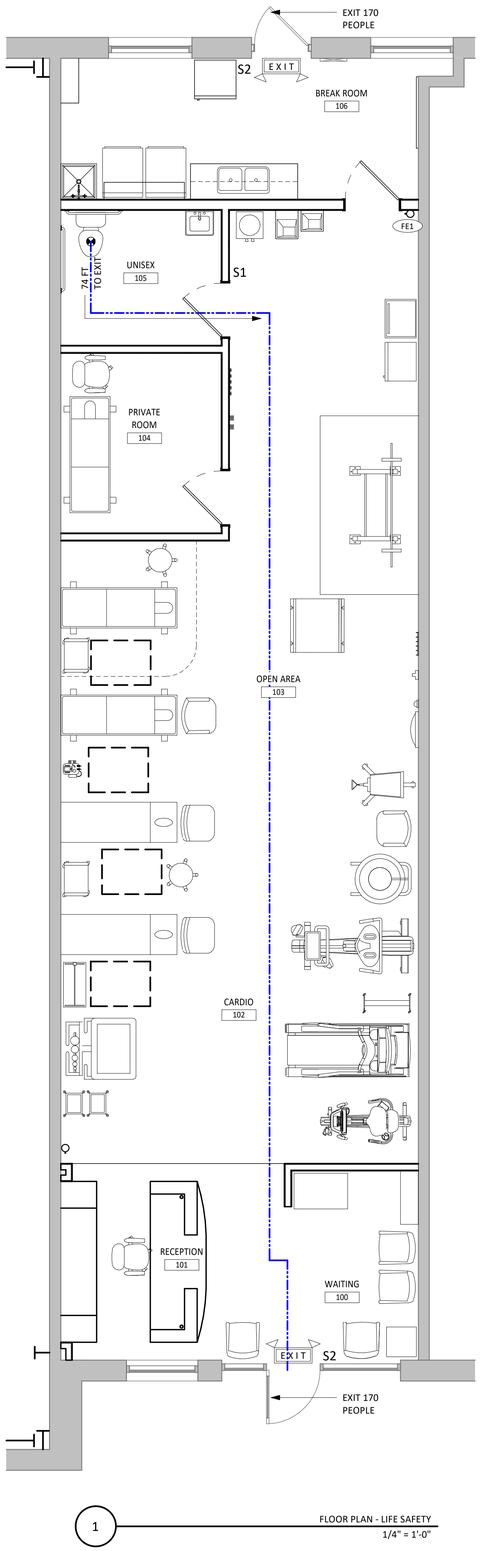
LIFE SAFETY LEGEND

SYMBOL	CODE	DESCRIPTION
	XZ	EXISTING LED BATTERY BACK UP EXIT SIGN WITH EXTERIOR SYMBOL LIGHT VERIFY IN GOOD WORKING CONDITION

FIRE RATED WALL LEGEND

1 HOUR FIRE RATING
2 HOUR FIRE RATING
3 HOUR FIRE RATING
NON FIRE RATING
EXITING NON FIRE RATING

"IDENTIFY WHICH WALLS ARE RATED ON THE PLANS. (IDENTIFICATION OF THE FIRE BARRIERS) SHALL BE BY SIGNS OR STENCILING PERMANENTLY INSTALLED ON ALL RATED BARRIERS OR WALLS, ABOVE ANY DECORATIVE CEILING AND/OR IN CONCEALED SPACES. THE LETTERING SHALL BE 2" IN HEIGHT AND SPACED EVERY 12FT. THE FOLLOWING WORDING IS RECOMMENDED "2 HOUR FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS"



1 FLOOR PLAN - LIFE SAFETY
1/4" = 1'-0"

OCCUPANCY INFORMATION (NCBC)

OCCUPANCY (CHAPTER 3 NCBC)	BUSINESS
PROPOSED TENANT SPACE	1,563 SF
SPRINKLERED	YES
MINIMUM OCCUPANT LOAD TABLE 1004.5 (NCBC)	
BUSINESS (B)	100
EXERCISE ROOM	50

OCCUPANT LOAD CALCULATION

GROUND LEVEL

B - 671/100 = 6.71 = 7

EXERCISE - 892/50 = 17.84 = 18

TOTAL OCCUPANTS	25

EGRESS CALCULATIONS (NCBC)

OCCUPANCY	BUSINESS
NUMBER OF OCCUPANTS	25

NCBC SECTION 1005.3

EGRESS WIDTH:

FIRST LEVEL

BUSINESS - 25 OCCUPANTS x 0.2 OCCUPANTS PER INCH = 5 INCHES
TOTAL REQUIRED EXITING CAPACITY = 5 INCHES
PROPOSED EXITING CAPACITY = 68 INCHES

TRAVEL DISTANCE:
(SECTION 1017.2 NCBC)
BUSINESS - B:
300 FEET WITH AUTOMATIC SPRINKLER SYSTEM
200 FEET WITHOUT AUTOMATIC SPRINKLER SYSTEM

DEAD END LIMIT:
(SECTION 1020.5 NCBC)
50 FEET WITH AUTOMATIC SPRINKLER SYSTEM
20 FEET WITHOUT AUTOMATIC SPRINKLER SYSTEM

PLUMBING FIXTURES

OCCUPANCY	BUSINESS
NUMBER OF OCCUPANTS	25

NCBC SECTION 2902.1

MALE\FEMALE = OCCUPANT COUNT DIVIDED BY 2 FOR EACH SEX THEREFORE 25 OCCUPANTS/2 = 12.5 = 13 OCCUPANTS PER SEX

PLUMBING FIXTURES REQUIRED:

FIXTURES REQUIRED PER NCBC TABLE 2902.1 FOR BUSINESS

FIXTURE PER OCCUPANT	NUMBER OF FIXTURES
WATER CLOSETS\URINALS AT 1 PER 30 FOR 1ST 30	1 PER SEX
LAVATORIES AT 1 PER 40 FOR THE 1ST 80	1 PER SEX
DRINKING FOUNTAINS 1 PER 100	1
SERVICE SINK	1

PLUMBING FIXTURES PROVIDED*:

FIXTURE PER OCCUPANT	NUMBER OF FIXTURES
WATER CLOSETS\URINALS	1 PER SEX
LAVATORIES	1 PER SEX
DRINKING FOUNTAINS	1
WATER STATION	1
SERVICE SINK	1

WE PROVIDED ONE UNISEX RESTROOM

1. FIRE ALARM CONTRACTOR TO SUBMIT DRAWINGS INDICATING THE EXISTING AND NEW LOCATION OF FIRE ALARM DEVICES

2. SPRINKLER CONTRACTOR TO SUBMIT DRAWINGS INDICATING THE EXISTING AND RELOCATIION OF FIRE SPRINKLER HEADS AND ANY ADDITIONAL SPRINKLER HEADS.

3. CONTRACTOR TO PROVIDE FIRE ALARM DEVICES THROUGHOUT AS REQUIRED BY CODE

PROJECT INFORMATION

PROJECT NAME
BENCHMARK PHYSICAL THERAPY

ADDRESS
2285 NC 24-87
CAMERON, NC 28326-6687

TYPE OF PROJECT	BUSINESS
PROPOSED TENANT SPACE	1,563 SF
SPRINKLERED	YES

JURISDICTION

NAME OF JURISDICTION
TOWN OF CAMERON, NC

JURISDICTION CONTACT
910-245-3212

JURISDICTION ADDRESS
247 Carter Street
Cameron, NC 28326

CURRENT CODES

- 2018 NORTH CAROLINA BUILDING CODE
- 2018 NORTH CAROLINA EXISTING BUILDING CODE
- 2018 NORTH CAROLINA PLUMBING CODE
- 2018 NORTH CAROLINA MECHANICAL CODE
- 2018 NORTH CAROLINA FIRE CODE
- 2023 NORTH CARLOINA ELECTRICAL CODE (NFPA 70 2023)
- 2009 NORTH CAROLINA ACCESSIBILITY CODE

CONSTRUCTION INFORMATION (NCBC)

CONSTRUCTION TYPE (CHAPTER 3 NCBC)	IIB

BUILDING ELEMENT RATING
(TABLE 601 NCBC)

PRIMARY STRUCTURE	0
BEARING WALLS EXTERIOR	0
BEARING WALLS INTERIOR	0
NON BEARING WALLS & PARTITION EXTERIOR	SEE TABLE 602
NON BEARING WALLS & PARTITION INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

BUILDING ELEMENT RATING
(TABLE 602 NCBC)

FIRE SEPERATION DISTANCE	TYPE OF CONSTRUCTION	OCCUPANCY B
5< X >10	IIB	1 HOUR
10< X >30	IIB	0 HOUR
X >30	ALL	0 HOUR

INTERIOR WALL AND CEILING FINISH REQUIREMENTS
(TABLE 803.1 NCBC)

EXIT STARIWAYS, RAMPS AND EXIT PASSAGEWAYS	CLASS C
CORRIDORS AND EXIT ENCLOSURES	CLASS C
ROOMS AND ENCLOSED SPACES	CLASS C

PROJECT SCOPE

PROJECT TYPE
TENANT IMPROVEMENT

PROJECT SCOPE

THIS PROJECT IS THE TENANT BUILD OUT OF A 1,563 SF GROUND LEVEL SUITE IN AN EXISTING TENANT BUILDING. INTENDED USE IS FOR OUTPATIENT PHYSICAL THERAPY. NO CHANGE IN EGRESS, OCCUPANCY, OR STRUCTURE ARE ANTICIPATED IN THIS SCOPE OF WORK.

BUILDING EXTERIOR & FINISHES

EXISTING AND NOT IN SCOPE OF WORK BEING DONE.

BUILDING INTERIOR & FINISHES

NEW FLOORING, GYPSUM BOARD WALLS, FURNITURE AND EQUIPMENT

H2A
ARCHITECTURE & DESIGN
2475 NORTHWINDS PKWY STE 200
ALPHARETTA, GA 30009
404.550.0718 WWW.H2ACO.COM

PETER HILLERMANN
REGISTERED ARCHITECT
12517
NORTH CAROLINA
ALPHARETTA, GA

PROJECT NAME / ADDRESS
BENCHMARK PHYSICAL THERAPY
2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
	04/21/26	PERMIT SET

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SHEET TITLE
CODE SHEET & ADA DETAILS

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	1/4" = 1'-0"
DRAWN BY:	JM
CHECKED BY:	PH

A0.2

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ACCESSIBLE DWELLING UNITS
(SECTION 1107)

UNIT CLASSIFICATION	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
N/A								

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	PROVIDED
PARKING EXISTING					
TOTAL					

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G	N/A	N/A	1		N/A	N/A	1	N/A	N/A	N/A
	NEW	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A
	REQ'D	N/A	N/A	1		N/A	N/A	1	N/A	N/A	N/A

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

___NOT APPLICABLE_____

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	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	X < 30	0					
Bearing Walls	X < 30	0					
Exterior	X < 30	0					
North	X < 30	0					
East	X < 30	0					
West	X < 30	0					
South	X < 30	0					
Interior		0					
Nonbearing Walls and Partitions	X < 30	0					
Exterior walls							
North	N/A	-					
East	N/A	-					
West	N/A	-					
South	N/A	-					
Interior walls and partitions		0					
Floor Construction Including supporting beams and joists		N/A					
Floor Ceiling Assembly		0					
Columns Supporting Floors		N/A					
Roof Construction, including supporting beams and joists		0					
Roof Ceiling Assembly		0					
Columns Supporting Roof		0					
Shaft Enclosures - Exit		N/A					
Shaft Enclosures - Other		N/A					
Corridor Separation		N/A					
Occupancy/Fire Barrier Separation		N/A					
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		N/A					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
25 to less than 30	Protected	No limits	52.4%

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: Yes
Smoke Detection Systems: No
Carbon Monoxide Detection: No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A-0.2

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit sign locations (1013)
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☒ Dead end lengths (1020.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☐ Location of doors with panic hardware (1010.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030)
- ☒ The square footage of each fire area (202)
- ☐ 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

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: BENCHMARK PHYSICAL THERAPY_____
Address: 2285 NC 24-87, Cameron ,NC Zip Code 28326-6687
Owner/Authorized Agent: Peter Hillermann Phone # (678) 898 - 2936 E-Mail: peter@h2acorp.com
Owned By: Private
Code Enforcement Jurisdiction: City

CONTACT:_____

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	H2A CORP	Peter Hillermann	12517	(404)550-0718	peter@h2acorp.com
Civil	N/A			(___)_____	
Electrical	Ray Group	Ashim Ray ___	020543	(770)953-1443	
Fire Alarm	N/A			(___)_____	
Plumbing	Ray Group	Keith Mikulka	031285	(770)953-1443	
Mechanical	Ray Group	Keith Mikulka	031285	(770)953-1443	
Sprinkler-Standpipe	N/A			(___)_____	
Structural	N/A			(___)_____	
Retaining Walls >5' High	N/A			(___)_____	
Other				(___)_____	

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: Renovation

2018 NC EXISTING BUILDING CODE: Alteration Level II Repair N/A
CONSTRUCTED: (date) _____ **CURRENT OCCUPANCY(S)** (Ch. 3)**:** Business
RENOVATED: (date) _____ **PROPOSED OCCUPANCY(S)** (Ch. 3)**:** Business

RISK CATEGORY (Table 1604.5)**: Current:** II **Proposed:** II

BASIC BUILDING DATA
Construction Type: II-B
Sprinklers: Yes NFPA 13
Standpipes: No
Primary Fire District: No **Flood Hazard Area:** No
Special Inspections Required: No

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor	17,100 sf	n/a	17,100 sf
Basement			
TOTAL	17,100 sf	n/a	17,100 sf

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: Yes (The remainder of this section is not applicable)

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: 3A

Method of Compliance: Select one
(If "Other" specify source here)_____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
projection factor: _____
Door R-Values: _____

Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

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: _____

ALLOWABLE AREA

Primary Occupancy Classification(s): Business N/A N/A N/A N/A N/A
Accessory Occupancy Classification(s): N/A_____
Incidental Uses (Table 509): N/A_____
Special Uses (Chapter 4 – List Code Sections): N/A_____
Special Provisions: (Chapter 5 – List Code Sections): N/A_____
Mixed Occupancy: Yes Separation: 1 Hr. Exception: _____
Non-Separated Use (508.3)

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

____ + _____ = *0.67…* = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
1	B - Phycinity	4,700	92,000 sf	N/A	92,000 sf
1	B – Benchmark Physical Therapy	1,563	92,000 sf	N/A	92,000 sf
1	B- Bluesprig	4,500	92,000 sf	N/A	92,000 sf
1	B - Vacant	3,000	92,000 sf	N/A	92,000 sf
1	B – Southern Smiles	3,337	92,000 sf	N/A	92,000 sf

[1] Frontage area increases from Section 506.3 are computed thus: N/A
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25]$ x $W/30$ = _____ (%)
[2] Unlimited area applicable under conditions of Section 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

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
Building Height in Feet (Table 504.3) [2]	75 FEET	22 FEET	
Building Height in Stories (Table 504.4) [3]	4	1	

[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

H2A
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2475 NORTHWINDS PKWY STE 200
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PETER HILLERMANN REGISTERED ARCHITECT 12517 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS
BENCHMARK PHYSICAL THERAPY
2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
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SHEET TITLE
Appendix B

PROJECT NO: 2026-0042
ISSUE DATE: 04/21/26
SCALE:
DRAWN BY: JM
CHECKED BY: PH

A0.2A

FOR CONSTRUCTION

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code - Prescriptive

Lighting schedule (each fixture type)
- lamp type required in fixture
- number of lamps in fixture
- ballast type used in the fixture
- number of ballasts in fixture
- total wattage per fixture
- total interior wattage specified vs. allowed (whole building or space by space)
- total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☒ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) Select one
Seismic (I_E) Select one

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Ultimate Wind Speed _____ mph (ASCE-7)
Exposure Category Select one

SEISMIC DESIGN CATEGORY: Select one

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) Select one
Spectral Response Acceleration S_S_____ %g S_1_____ %g
Site Classification (ASCE 7) Select one
Data Source: Select one
Basic structural system Select one
Analysis Procedure: Select one
Architectural, Mechanical, Components anchored? Select one

LATERAL DESIGN CONTROL: Select one

SOIL BEARING CAPACITIES:
Select one _____ psf
Pile size, type, and capacity _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: _____
summer dry bulb: _____

Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If oversized, state reason.: _____

List equipment efficiencies: _____

H2A
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2475 NORTHWINDS PKWY STE 200
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404.550.0718 WWW.H2ACO.COM

PETER HILLERMANN REGISTERED ARCHITECT 12512 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS
BENCHMARK PHYSICAL THERAPY
2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
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SHEET TITLE
Appendix B

PROJECT NO: 2026-0042
ISSUE DATE: 04/21/26
SCALE:
DRAWN BY: JM
CHECKED BY: PH

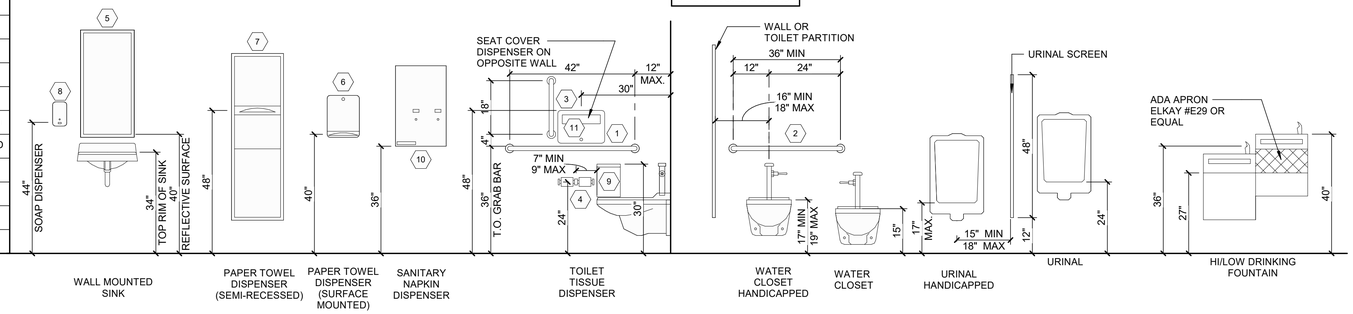
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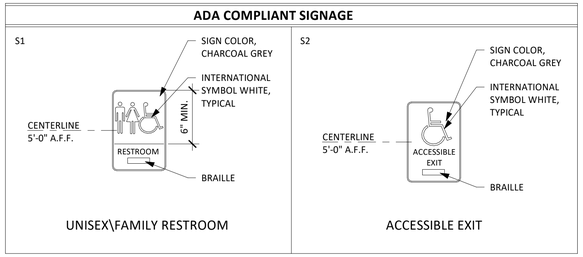
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NO.	FIXTURE SCHEDULE
1	HANDICAPPED GRAB BAR - 42"
2	HANDICAPPED GRAB BAR - 36"
3	HANDICAP VERTICAL GRAB BAR - 18"
4	TOILET TISSUE DISPENSER
5	MIRROR - 18" x 36"
6	PAPER TOWEL DISPENSER - SURFACE MNTD
7	PAPER TOWEL DISPENSER - SEMI-RECESSED
8	SOAP DISPENSER - WALL MOUNTED
9	SANITARY NAPKIN DISPOSAL
10	SANITARY NAPKIN DISPENSER
11	TOILET SEAT COVER DISPENSER

NOTE: CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON WIDE SIDE OF TOILET AREAS



ADA COMPLIANT SIGNAGE



WATER CLOSETS AND TOILET COMPARTMENTS

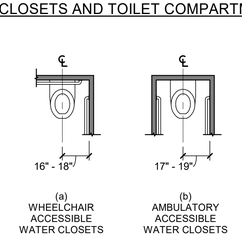


FIGURE 604.2
WATER CLOSET LOCATION

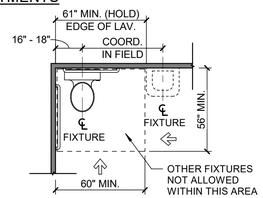


FIGURE 604.3
SIZE OF CLEARANCE FOR WATER CLOSET

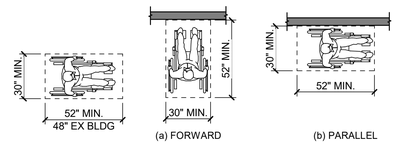


FIGURE 305.3
SIZE OF CLEAR FLOOR SPACE

FIGURE 305.5
POSITION OF CLEAR FLOOR SPACE

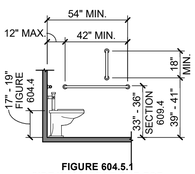


FIGURE 604.5.1
SIDE WALL GRAB BAR FOR WATER CLOSET

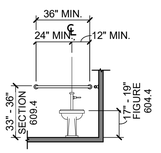


FIGURE 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

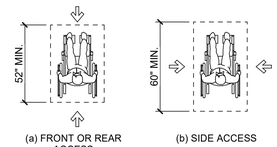


FIGURE 802.4
DEPTH OF WHEELCHAIR SPACE IN ASSEMBLY AREAS

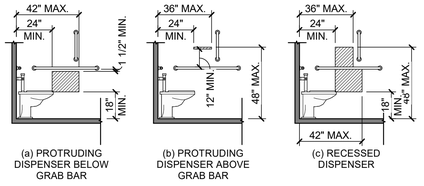
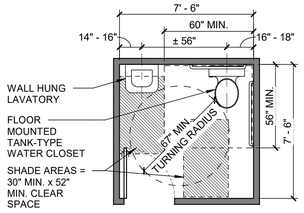


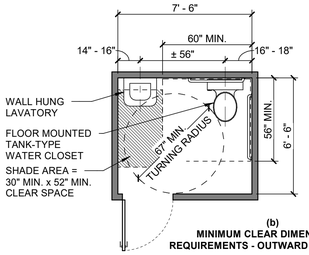
FIGURE 604.7
DISPENSER OUTLET LOCATION

ACCESSIBLE TOILET ROOMS -SINGLE OCCUPANCY



(a)
MINIMUM CLEAR DIMENSIONAL REQUIREMENTS - INWARD DOOR SWING

NOTE: 30" x 52" of clear floor space is required in every restroom. When 30" x 52" clear floor space is provided beyond the arc of the door swing, the door is permitted to swing into the clear floor space or clearance required for any fixture.
Door may swing into a required wheelchair turning space. Per ICC/ANSI A117.1-2009 Section 603.2.2, exception #2 allows a single occupancy toilet room door to swing into the required clear fixture floor or ground space when another clear floor or ground space is provided outside the radius of the door swing.



(b)
MINIMUM CLEAR DIMENSIONAL REQUIREMENTS - OUTWARD DOOR SWING

ADA COMPLIANT DOOR SWINGS AND CLEARANCES

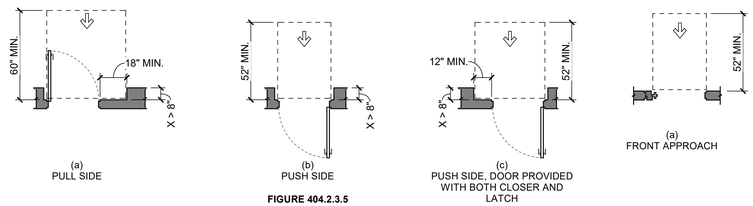


FIGURE 404.2.3.5
MANEUVERING CLEARANCES AT RECESSED DOORS

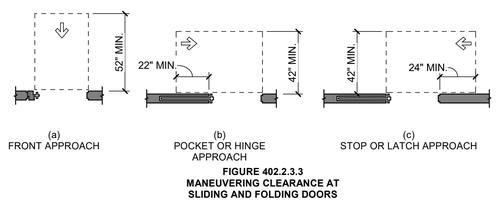


FIGURE 402.2.3.3
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

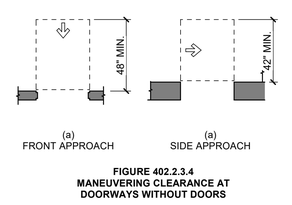
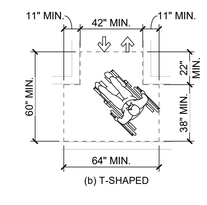
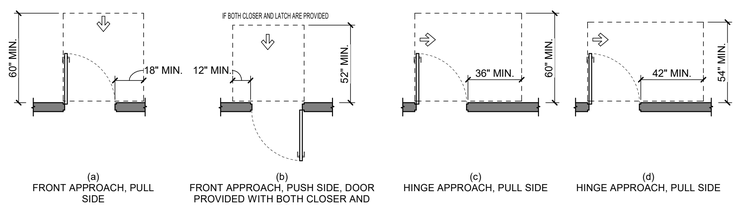


FIGURE 402.2.3.4
MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS





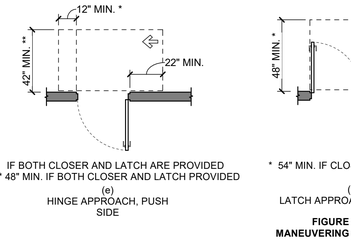


FIGURE 404.2.3.2
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS

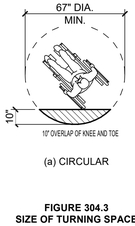


FIGURE 304.3
SIZE OF TURNING SPACE

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2475 NORTHWINDS PKWY STE 200
ALPHARETTA, GA 30009
404.550.0718 WWW.H2ACO.COM

PETER HILLERMANN REGISTERED ARCHITECT 12512 NORTH CAROLINA ALPHARETTA, GA

BENCHMARK PHYSICAL THERAPY

PROJECT NAME / ADDRESS

2285 NC 24-87
CAMERON, NC 28326-6687

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SHEET TITLE

ADA DETAILS

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	As indicated
DRAWN BY:	JM
CHECKED BY:	PH

A0.3

FOR CONSTRUCTION

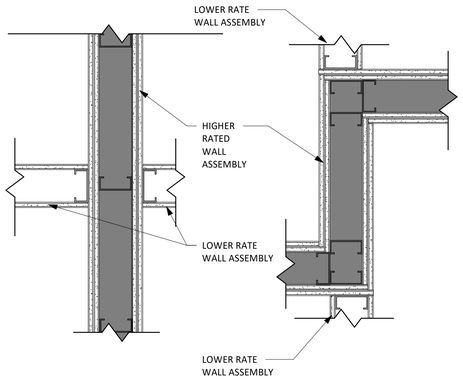
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WALL PRIORITY LIST

2HR FIRE & SMOKE----------PRIORITY 1 (HIGHEST)
2HR FIRE----------PRIORITY 2
2HR SHAFT----------PRIORITY 2
1HR FIRE & SMOKE----------PRIORITY 3
1HR FIRE----------PRIORITY 4
SMOKE BARRIER ----------PRIORITY 5
SMOKE RESISTANT----------PRIORITY 6
SOUND----------PRIORITY 7
NON-RATED----------PRIORITY 8 (LOWEST)

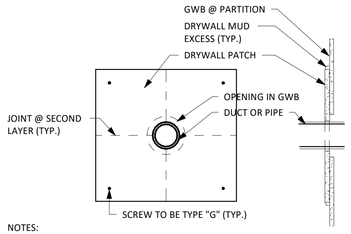
NOTES:

1. THE HIGHER PRIORITY WALL MUST PASS THROUGH THE LOWER PRIORITY WALL.
2. ALTERNATE LAYERS OF GWB SHALL OVERLAP AT CORNER INTER-SECTIONS OF MULTI-LAYERED RATED PARTITIONS.
3. TAPE AND SEAL JOINTS BEHIND INTERSECTING WALL (TYP.).



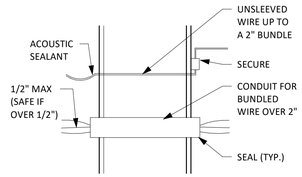
NOTE: THIS DRAWING SHOWS THE PRIORITY OF WALLS AS THEY RELATE TO RATED CONSTRUCTION. THE DRAWING IS NOT TO BE USED TO DETERMINE WALL ASSEMBLY OR CONSTRUCTION. WALL ASSEMBLY IS SHOWN ON THE PLANS AND REFERENCED IN THE WALL LEGEND.

2 TYPICAL WALL PRIORITY LEGEND
NOT TO SCALE

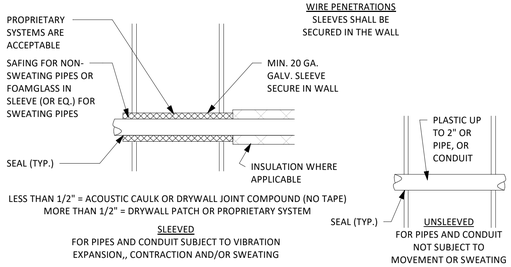


NOTES:

1. PROVIDE THICK COAT OF DRYWALL MUD ON BACK OF PATCH BOARD.
2. PROVIDE SCREWS AT SPACING SHOWN TO SNUGGLY ANCHOR PATCH TO EXISTING DRYWALL.
3. DO NOT SCRAPE EXCESS DRYWALL MUD AT THE EDGES, WHICH HAVE BEEN SQUEEZED OUT FROM THE TIGHTENING OF THE SCREWS. BY LEAVING THIS DRYWALL MUD, THE INSPECTOR CAN TELL THAT THE BACK OF THE PATCH WAS PROPERLY "BUTTERED" BEFORE THE PATCH WAS INSTALLED.
4. DO NOT ADD DRYWALL TO TOP OF SCREW HEADS AFTER ANCHORAGE OF PATCH.



WIRE PENETRATIONS
SLEEVES SHALL BE SECURED IN THE WALL

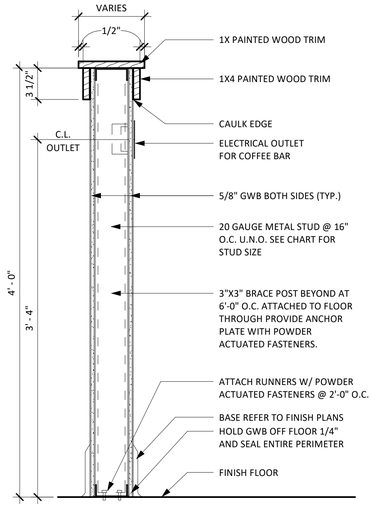


LESS THAN 1/2" = ACOUSTIC CAULK OR DRYWALL JOINT COMPOUND (NO TAPE)
MORE THAN 1/2" = DRYWALL PATCH OR PROPRIETARY SYSTEM

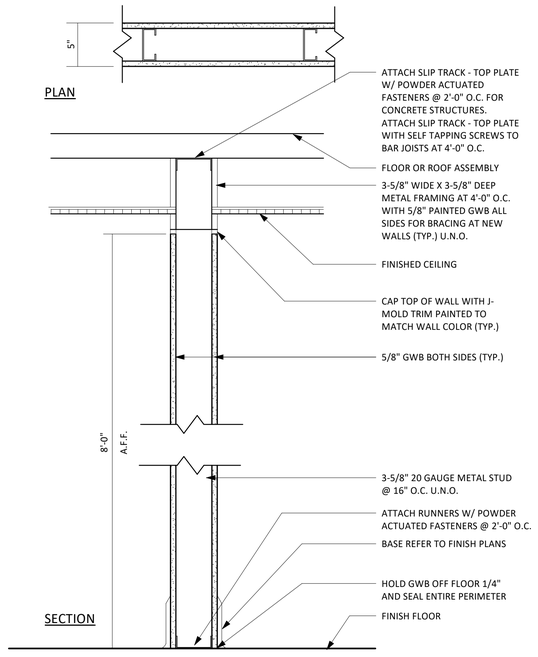
SLEEVED
FOR PIPES AND CONDUIT SUBJECT TO VIBRATION EXPANSION,, CONTRACTION AND/OR SWEATING

UNSLEEVED
FOR PIPES AND CONDUIT NOT SUBJECT TO MOVEMENT OR SWEATING

1 TYPICAL GWB PENETRATION PATCH DETAILS
NOT TO SCALE

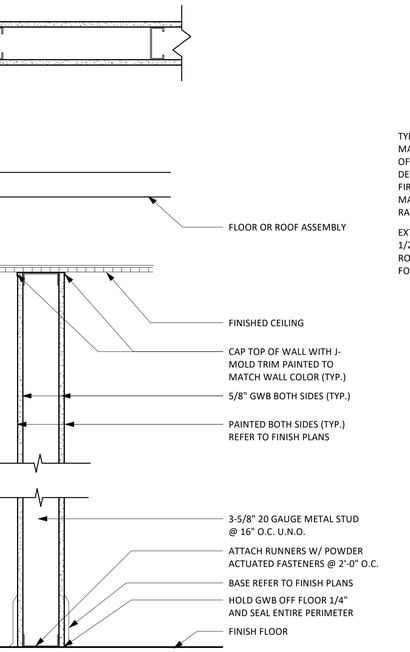


WALL TYPE - 5A



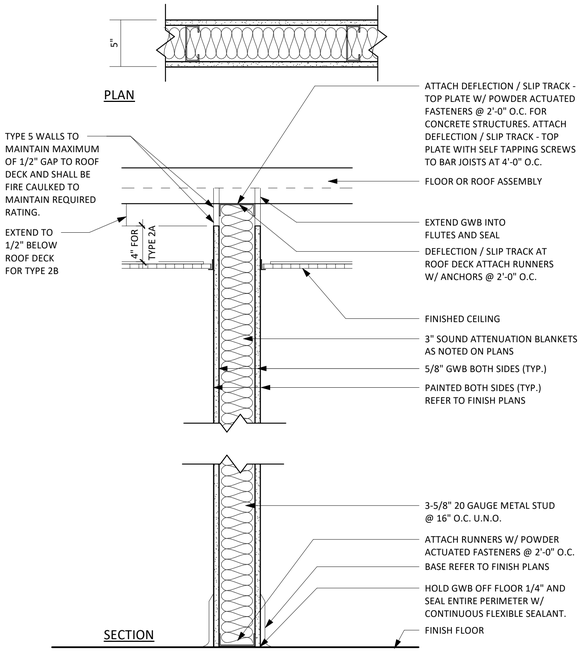
PANELS APPLIED VERTICALLY, JOINTS FINISHED, STAGGERED AND PERIMETER SEALED.
*AT WET LOCATIONS, USE WATER RESISTANT GWB.
FRAMING AT WET WALLS TO BE 6" METAL FRAMING.

WALL TYPE - 4A



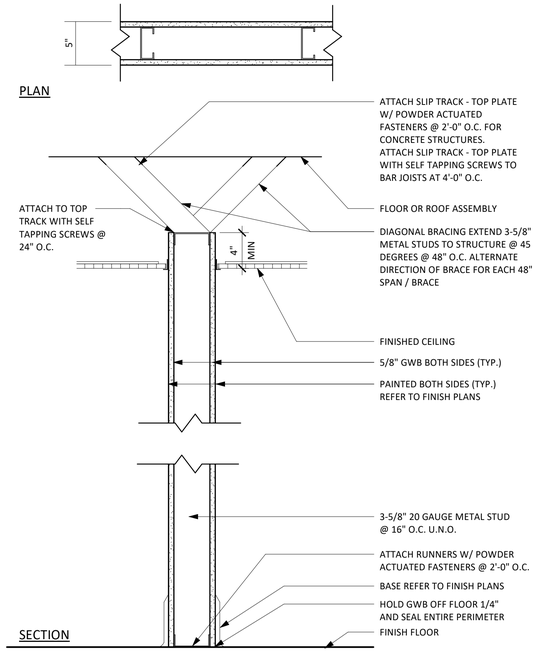
PANELS APPLIED VERTICALLY, JOINTS FINISHED, STAGGERED AND PERIMETER SEALED.
*AT WET LOCATIONS, USE WATER RESISTANT GWB.
FRAMING AT WET WALLS TO BE 6" METAL FRAMING.

WALL TYPE - 3A



PANELS APPLIED VERTICALLY, JOINTS FINISHED, STAGGERED AND PERIMETER SEALED.
EXTEND AND SEAL PARTITION TO STRUCTURAL DECK.
*AT WET LOCATIONS, USE WATER RESISTANT GWB. FRAMING AT WET WALLS TO BE 6" METAL FRAMING.
FOR WALL TYPE '2B' GWB TO EXTEND FULL HEIGHT TO 2" BELOW ROOF DECK FOR DEFLECTION TOLERANCE.
CONSTRUCTION SHALL CONFORM TO 49 STC

WALL TYPE - 2A



PANELS APPLIED VERTICALLY, JOINTS FINISHED, STAGGERED AND PERIMETER SEALED.
*AT WET LOCATIONS, USE WATER RESISTANT GWB. FRAMING AT WET WALLS TO BE 6" METAL FRAMING. TOILET ROOM GWB TO EXTEND FULL HEIGHT TO 2" BELOW ROOF DECK FOR DEFLECTION TOLERANCE.

WALL TYPE - 1A

WALL TYPE LEGEND

TAG

WALL CODE — FIRE RATING
2A6 1HR
S 9'-0"
INSULATION CODE — WALL HEIGHT

WALL CODE

CORE SIZE CODE
WALL TYPE
WALL CODE - 2A8 — 2A 8
WALL CODE - 2B4 — 2B 4

CORE SIZE CODE

CORE TYPE	1	2	3	4	5	6	7	8	10	12
METAL STUD		2 1/2"	3 5/8"	4"		6"		8"		

THE DIMENSIONS THAT ARE NOTED IN THE CHART ABOVE ARE BASED ON THE DIMENSION OF THE CORE ELEMENT AS IT IS DEPICTED IN THE WIDTH OF THE WALL CONSTRUCTION. (EXAMPLE: 2x4 WOOD STUD IS NOTED AS 3 1/2" NOT AS 1 1/2" BECAUSE THE 2x4 IN THE WALL CONSTRUCTION GIVE 3 1/2" OF WIDTH TO THE WALL THICKNESS. LIKE WISE A 1x3 THAT IS USED A WOOD FURRING STRIP IS NOTED AS 3/4" NOT AS 2 1/2" BECAUSE THE 1x3 IN THE WALL CONSTRUCTION GIVE ONLY 3/4" OF WIDTH TO THE WALL THICKNESS)

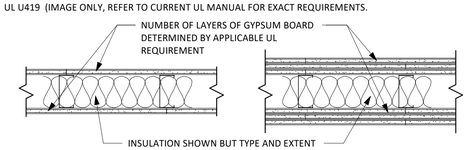
FIRE RATING

1 HOUR — 2 HOUR — 3 HOUR

IF THERE IS A UNIQUE UL DETAIL THAT IS USED TO ACHIEVE THE REQUIRED FIRE RATING THAT IS DIFFERENT THAN THE BASIS OF DESIGN "UL U419" THEN IT WILL BE LISTED AT THE BOTTOM OF THAT PARTICULAR PARTITION DETAIL. IF THE UL DETAIL THAT IS NOTED DOES NOT ALLOW THE PARTITION TO ACHIEVE THE REQUIRED FIRE RATING, A REQUEST FOR CLARIFICATION SHOULD BE SUBMITTED TO THE ARCHITECT AS SOON AS THE DISCREPANCY IS DISCOVERED.

FOR A METAL STUD WALL, THE CONSTRUCTION OF THE WALL IS BASED ON UL U419. THE PARTITION DRAWINGS SHOW ONE LAYER OF GYP BOARDS AS THE BASE DESIGN BUT THERE MAY REQUIRE MORE LAYERS OF GYPSUM BOARD TO MEET THE FIRE RATING REQUIREMENTS OF THE DESIGN PER THE UL DETAIL NOTED.

UL U419 (IMAGE ONLY, REFER TO CURRENT UL MANUAL FOR EXACT REQUIREMENTS.



INSULATION CODE

IF THE WALL REQUIRES INSULATION IS WILL BE NOTED IN THE TAG WITH A LETTER CODE.
"B" = FIBERGLASS BATT — "M" = MINERAL WOOL — "A" = SOUND ATTENUATION
"F" = FOAM BOARD — "S" = SPRAY FOAM

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PETER HILLERMANN — REGISTERED ARCHITECT — 12517 — NORTH CAROLINA — ALPHARETTA, GA

PROJECT NAME / ADDRESS
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2285 NC 24-87
CAMERON, NC 28326-6687

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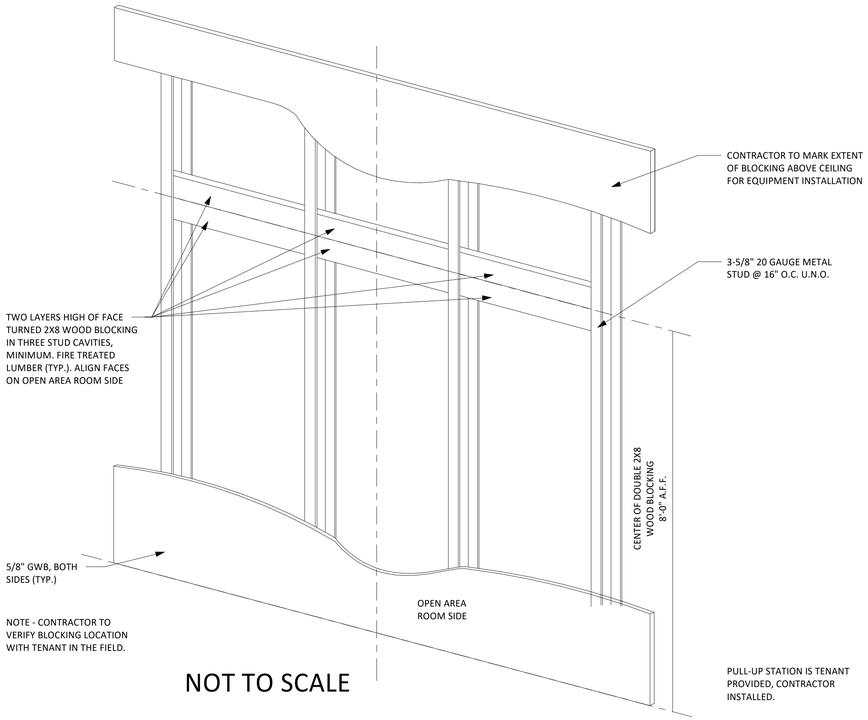
SHEET TITLE
WALL TYPES & TYP DETAILS

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ISSUE DATE: 04/21/26
SCALE: 1 1/2" = 1'-0"
DRAWN BY: JM
CHECKED BY: PH

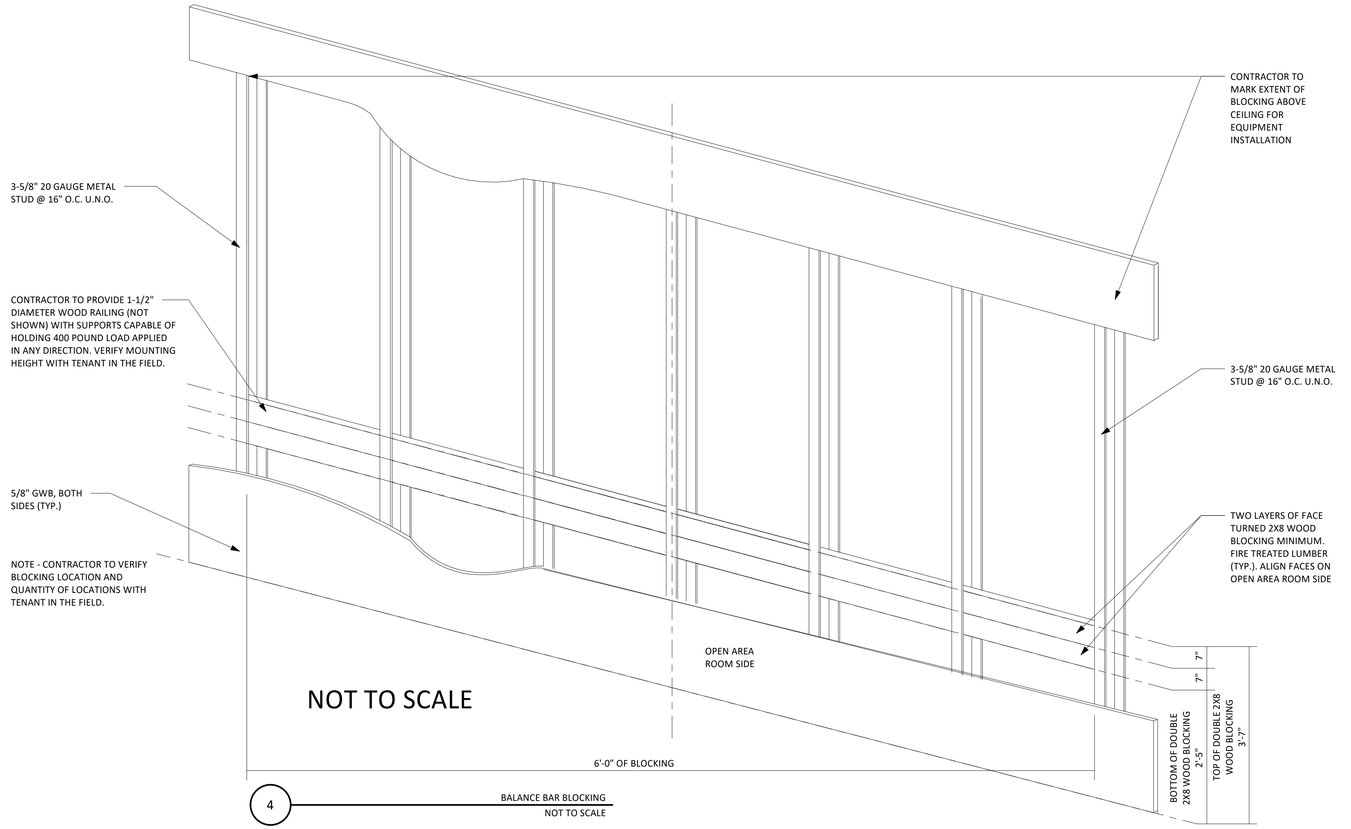
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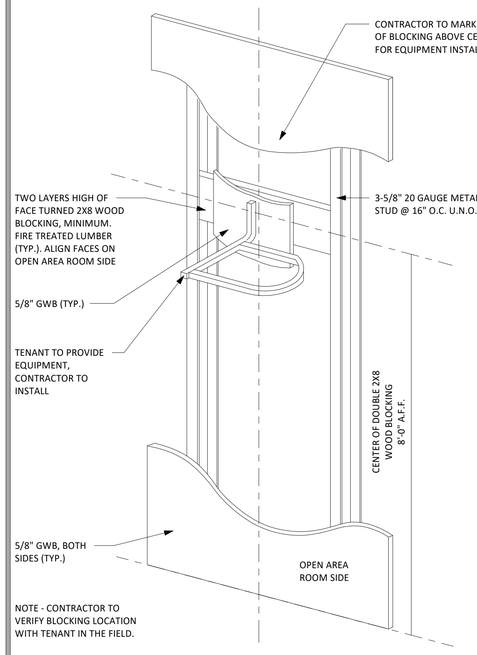
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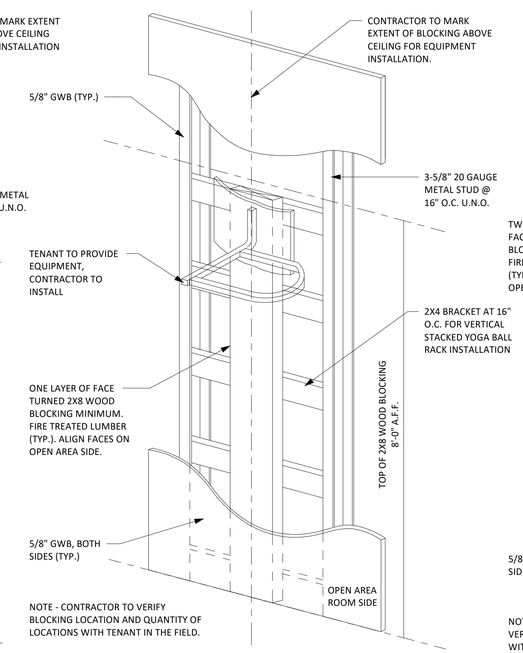
3 P-3 PULL-UP STATION BLOCKING DETAIL
NOT TO SCALE



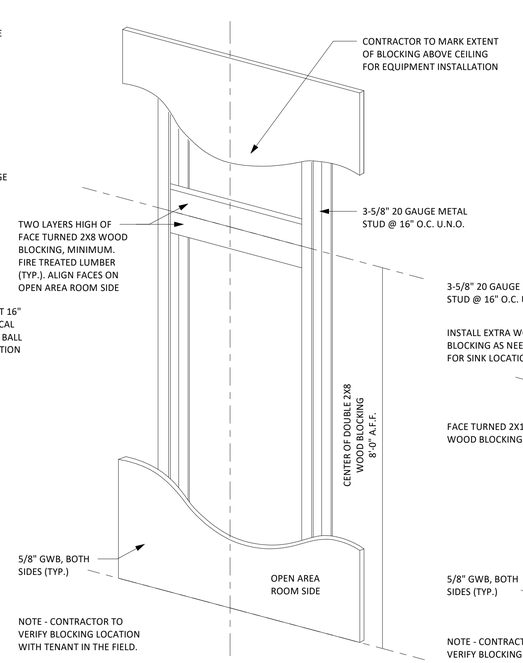
4 BALANCE BAR BLOCKING
NOT TO SCALE



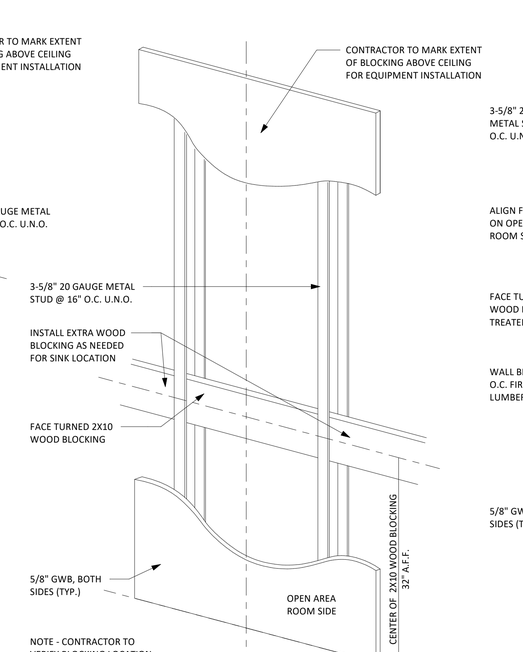
6 HORIZONTAL INSTALLATION YOGA BALL LOOP STORAGE RACK BLOCKING
NOT TO SCALE



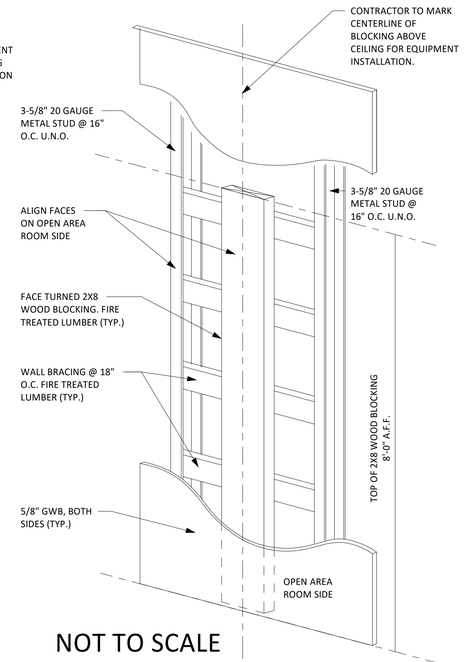
5 VERTICAL INSTALLATION YOGA BALL LOOP STORAGE RACK BLOCKING
NOT TO SCALE



2 TRX PRO4 STATION BLOCKING DETAIL
NOT TO SCALE



2A TRX PRO4 STATION BLOCKING DETAIL
NOT TO SCALE



1 CLX WALL STATION BLOCKING DETAIL
NOT TO SCALE

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PETER HILLERMANN REGISTERED ARCHITECT 12512 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS

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SHEET TITLE

WALL BLOCKING DETAILS

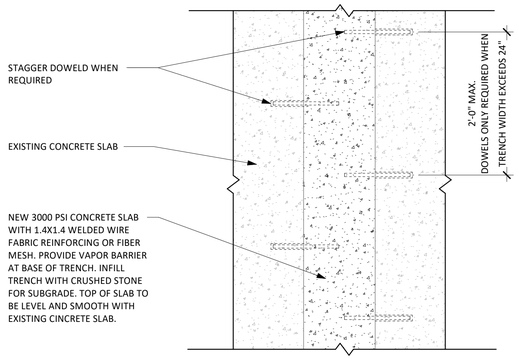
PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	1 1/2" = 1'-0"
DRAWN BY:	JM
CHECKED BY:	PH

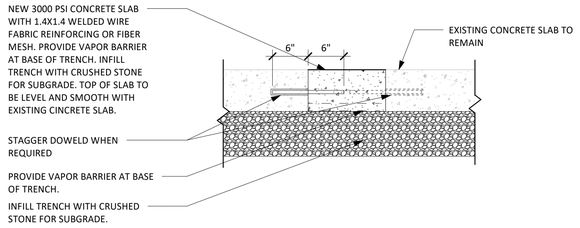
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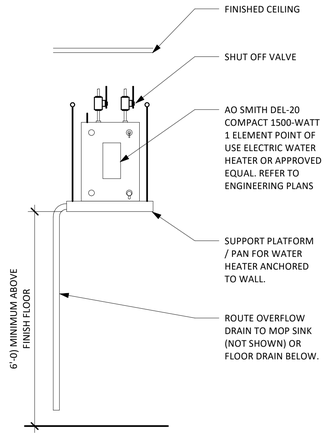
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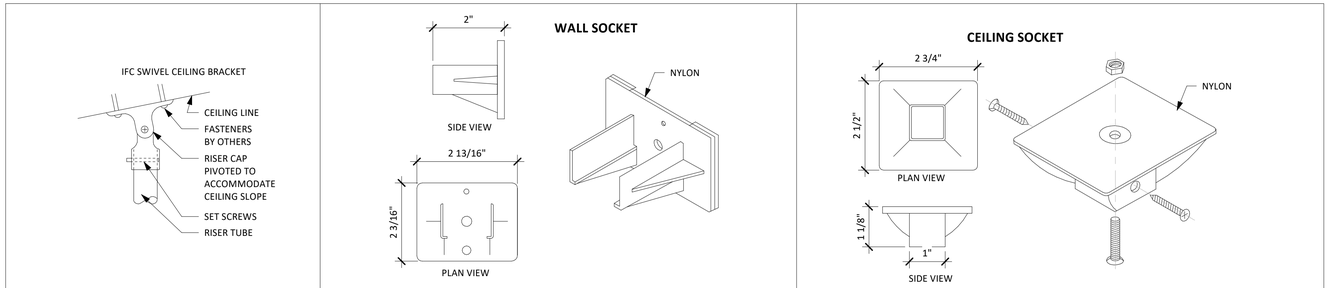


11 UR-PLUMBING TRENCH REPAIR RETAIL
NOT TO SCALE

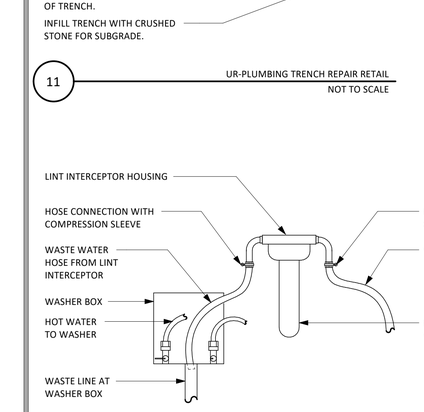
NOMINAL CAPACITY (GALLONS)	20.2
NUMBER OF ELEMENTS	1
RATED STORAGE CAPACITY	19
VOLTAGE (VOLTS)	6kW
PHASE	3
WATER CONNECTION SIZE	3/4"
WATER CONNECTION LOCATION	FRONT
FOAM INSULATION	YES
INSULATION THICKNESS (INCHES)	1.0
WATER HEATER STYLE	COMP
ELEMENT TYPE	COPPER
UNIFORM ENERGY FACTOR	N/A
WEIGHT (LBS.)	73.0
HEIGHT (INCHES)	22.25
USE LOCATION	INDOOR
DIAMETER (INCHES)	21.75
SERIES NAME	DEL-20



10 UR-WATER HEATER INSTALL
NOT TO SCALE



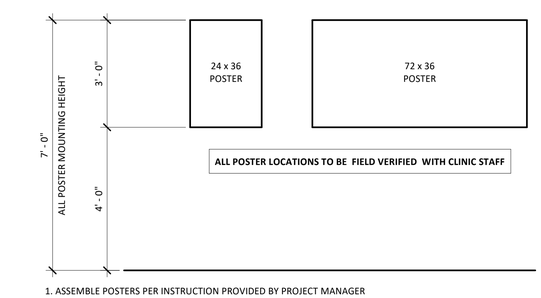
4 UR-PRIVACY CURTAIN MOUNTING DETAILS
NOT TO SCALE



MODEL: LINT LUV-R

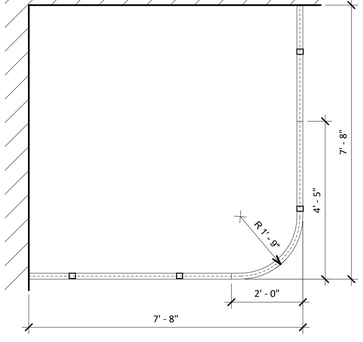
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HTTP://WWW/ENVIRONMENTALENHANCEMENTS.COM/INDEX.HTML

9 LINT INTERCEPTION ELEVATION
NOT TO SCALE

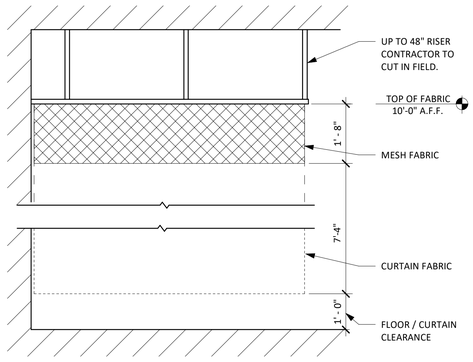


1. ASSEMBLE POSTERS PER INSTRUCTION PROVIDED BY PROJECT MANAGER
2. ONCE ASSEMBLED, PLACE COMMAND STRIPS ON ALL FOUR CORNERS. IT IS RECOMMENDED TO PLACE THEN ON THE VERTICAL BARS THAT ARE 36" LONG TO ALLOW FOR SLIGHT ADJUSTMENTS AS NEEDED FOR LEVELING.
3. ONCE ALL COMMAND STRIPS ARE IN PLACE , USE THE BUBBLE LEVELTO ALIGN THE POSTER TO THE WALL AND ENSURE IT IS LEVEL PRIOR TO ENGAGING THE TAPE ON THE COMMAND STRIPS.
4. THE TOP EDGE OF THE POSTERS FRAME SHOULD BE AT 7'-0" ABOVE THE FLOOR FOR ALL POSTERS.

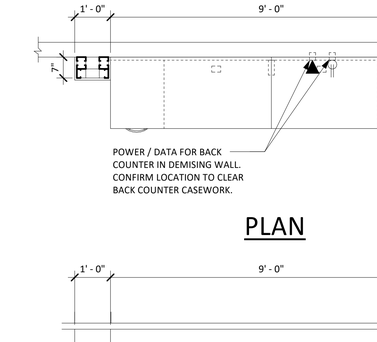
8 POSTER MOUNTING DETAIL
1/2" = 1'-0"



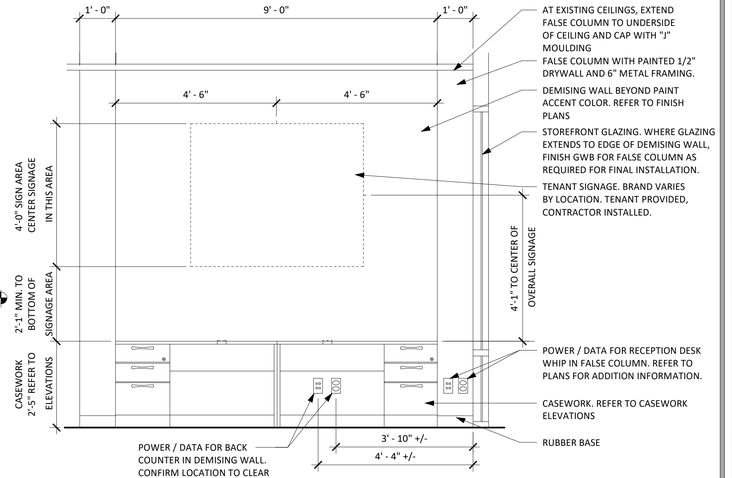
3 PRIVACY CURTAIN - IN CORNER
1/2" = 1'-0"



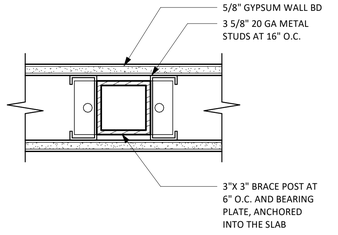
2 PRIVACY CURTAIN ELEVATION
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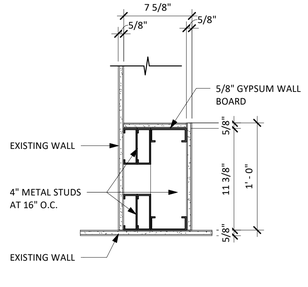
PLAN



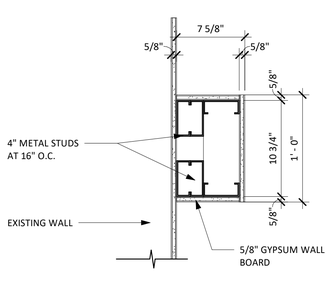
ELEVATION



7 PONY WALL DETAIL
3" = 1'-0"



6 WALL DETAIL - B
1 1/2" = 1'-0"



5 WALL DETAIL - A
1 1/2" = 1'-0"

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PETER HILLERMANN
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ALPHARETTA, GA

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SHEET TITLE
MISC GENERAL DETAILS

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	As indicated
DRAWN BY:	JM
CHECKED BY:	PH

A0.6

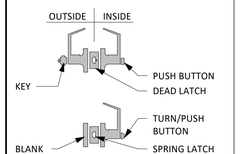
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FILE NAME: C:\Users\User\Box\02-Projects\2026_Upstream Projects\2026-0042-LR-CameronNC\2026-0042 - LR-CameronNC - Building.rvt
PLOT DATE: 7/20/2026 2:42:15 PM

DOOR HARDWARE GROUPS

	ITEM TYPE:	ITEM SERIES/DESCRIPTION	FINISH
LOCK-1			
	HINGES	BB1279 4-1/2" X 4-1/2" X NRP	L1
	LOCKSET (INTERIOR)	ND40S X OME X 13-248 X 10-025 PRIVACY	630
	DOOR CLOSER	4040XP X RW/PA X SRT	BRUSHED NICKEL
	KICK PLATE	190S X 10" X 34"	BRUSHED NICKEL
	SILENCER	1608	GRAY
	FLOOR STOP	243F	BRUSHED NICKEL
JANITOR			
	HINGES	BB1279 4-1/2" X 4-1/2" X NRP	L1
	LOCKSET (INTERIOR STOREROOM)	ND80PD X OME X 13-248 X 10-025	630
	DOOR CLOSER	4040XP X RW/PA X SRT	BRUSHED NICKEL
	KICK PLATE	190S X 10" X 34"	BRUSHED NICKEL
	SILENCER	1608	GRAY

DOOR KNOB DETAILS



DOOR HARDWARE GROUPS



SCHLAGE ND53PD | ANSI F109

ENTRANCE LOCK

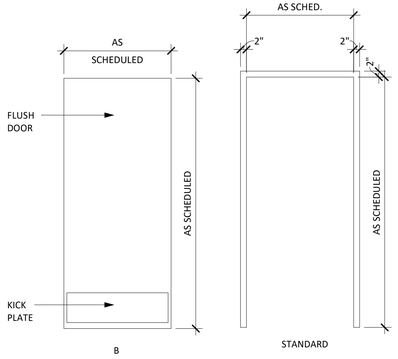
- TURN/PUSH-BUTTON LOCKING: PUSHING AND TURNING THE BUTTON LOCKS THE OUTSIDE LEVER , REQUIRING USE OF A KEY UNTIL THE BUTTON IS MANUALLY UNLOCKED
- PUSH-BUTTON LOCKING: PUSHING BUTTON LOCKS OUTSIDE LEVER UNTIL UNLOCKED BY KEY OR BY TURNING THE INSIDE LEVER
- INSIDE LEVER ALWAYS FREE



SCHLAGE ND80PD | ANSI F86

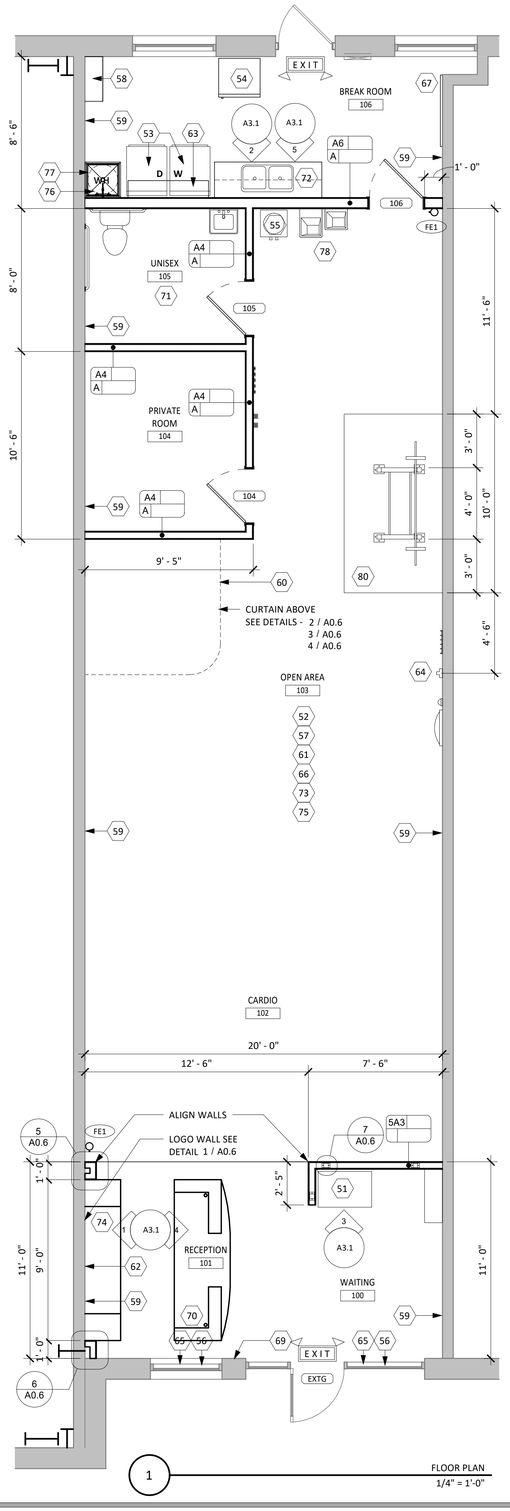
STOREROOM LOCK

- OUTSIDE LEVER IS FIXED
- ENTRANCE BY KEY ONLY
- INSIDE LEVER ALWAYS FREE FOR IMMEDIATE EGRESS



DOOR SCHEDULE

DOOR NO	PANEL ELEVATION	PANEL 1 WIDTH	PANEL 2 WIDTH	Height	PANEL THICKNESS	PANEL MATERIAL	PANEL FINISH	FRAME TYPE	FRAME FINISH	HEAD	JAMB	SILL	FIRE RATING	HARDWARE	COMMENTS	DOOR NO.
104	B	3' - 0"	0' - 0"	6' - 8"	0' - 1 1/4"	SCW	PAINTED	STANDARD	PAINTED	2/A-1.2	3/A-1.2	4/A-1.2	--	LOCK-1		104
105	B	3' - 0"	0' - 0"	6' - 8"	0' - 1 1/4"	SCW	PAINTED	STANDARD	PAINTED	2/A-1.2	3/A-1.2	4/A-1.2	--	LOCK-1		105
106	B	3' - 0"	0' - 0"	6' - 8"	0' - 1 1/4"	SCW	PAINTED	STANDARD	PAINTED	2/A-1.2	3/A-1.2	4/A-1.2	--	LOCK-1		106



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

PLAN KEYNOTES

CODE	COMMENT
51	TENANT PROVIDED CABINETRY. CABINETRY INCLUDES TWO (2) 18" WIDE BASE CABINETS AND PLAM COUNTERTOP. CONTRACTOR INSTALLED.
52	CONTRACTOR TO COORDINATE WITH TENANT FOR TENANT PROVIDED EQUIPMENT AND BLOCKING. BLOCKING TO BE PROVIDED IN WALLS AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.. CONTRACTOR TO INSTALL TENANT EQUIPMENT INCLUDING BUT NOT LIMITED TO CLX WALL STATION, HOT PAD RACKS, WEIGHT RACKS, BRANDING POSTERS, AND SIGNAGE. COORDINATE WITH TENANT AND EQUIPMENT PLAN FOR COMPLETE LIST OF WALL MOUNTED ITEMS
53	TENANT TO PROVIDE SIDE BY SIDE WASHER AND DRYER. CONTRACTOR TO PROVIDE WATER / SEWER AND ELECTRICAL AS REQUIRED. CONTRACTOR TO CONNECT POWER TO DRYER AND INSTALL WASHER / DRYER TO UTILITY CONNECTIONS. CONTRACTOR TO VERIFY CLEAR FLOOR AREA OF 60{ WIDE AND 36 DEEP IS MAINTAINED FOR WASHER / DRYER PLACEMENT. DRYER PIPE TO BE 4" DIAMETER PIPE FROM WITHIN 12" OF DRYER CONNECTION POINT TO EXTEND THRU THE ROOF. CONTRACTOR TO COORDINATE WITH LANDLORD'S ROOFING CONTRACTOR.
54	TENANT PROVIDE REFRIGERATOR. CONTRACTOR TO PROVIDE A DEDICATED CIRCUIT
55	CONTRACTOR TO PROVIDE 3/8" WATER LINE TO ICE MAKER SHUT OFF BOX FOR TENANT PROVIDED DRINK STATION. TENANT PROVIDE AND CONTRACTOR INSTALLED. SEE EQUIPMENT PLANS FOR MORE INFORMATION.
56	EXISTING STOREFRONT TO REMAIN. VERIFY IN GOOD WORKING ORDER. REPAIR OR REPLACE DAMAGE AREAS AS REQUIRED.
57	TENANT PROVIDED FURNITURE AND CONTRACTOR TO ASSEMBLE. REFER TO ELECTRICAL PLANS FOR INSTALLATION OF PROVIDED POWER / DATA ITEMS WITHIN FURNITURE. COORDINATE WITH TENANT.
58	1" X 12" DEEP PAINTED WOOD SHELVING ABOVE WASHER /DRYER. AT 60" AFF TO 7'-6" AFF SUPPORTED WITH PROJECT SOURCE OR APPROVED EQUAL. 70.5-IN L X 0.55 IN D HEAVY DUTY WHITE SHELF BRACKET BY PROJECT SOURCE OR APPROVED EQUAL
59	EXISTING WALLS TO REMAIN TO BE PREPARED TO RECEIVE A LEVEL 4 FINISH PER THE NATIONAL GYPSUM ASSOCIATION.
60	CEILING MOUNTED PRIVACY CURTAIN. TENANT PROVIDED AND CONTRACTOR INSTALLED.
61	CONTRACTOR TO MARK THE WATER SHUT OFF VALUE FOR MAIN WATER SUPPLY WITH STICKER THAT IS VISIBLE IN THE CLINIC
62	TENANT LOGO WALL AREA WITH FALSE COLUMNS
63	1" X 12" DEEP PAINTED WOOD SHELVING ABOVE WASHER /DRYER. AT 60" AFF TO 7'-6" AFF SUPPORTED WITH PROJECT SOURCE OR APPROVED EQUAL. 48-IN L X 0.98 IN W X 0.57 IN D HEAVY DUTY WHITE SHELF UPRIGHT ATTACHED TO STUDS AT 16" OC AND 11.75 IN L X 0.55 IN W X 2.12 IN D HEAVY DUTY WHITE SHELF BRACKET BY PROJECT SOURCE OR APPROVED EQUAL
64	CONTRACTOR TO PROVIDE BLOCKING FOR TENANT PROVIDED CLX WALL STATION REFER TO 1/A0.5 FOR ADDITIONAL INFORMATION
65	CONTRACTOR TO PROVIDE PREMIUM ROLLER SHADES. COLOR: INTERLUDE BLACK 1320. SHADES TO ATTACH TO INTERIOR FACE OF DRYWALL WINDOW HEAD, TYP. COORDINATE WITH TENANT AS REQUIRED
66	ALL MILLWORK TENANT PROVIDED AND CONTRACTOR INSTALLED SEE SHEET A3.1 FOR DETAILS
67	PHONE AND DATA BOARD REFER TO 3/A1.6 FOR MORE INFORMATION
69	GC TO PROVIDE BATT INSULATION AND 5/8" GWB. PREPARED GWB TO RECEIVE A LEVEL 4 FINISH PER THE NATIONAL GYPSUM ASSOCIATION.
70	TENANT PROVIDED FURNITURE. CONTRACTOR ASSEMBLED. REFER TO ELECTRICAL PLAN ON SHEET A1.6 FOR INSTALLATION OF PROVIDED POWER / DATA ITEMS WITHIN FURNITURE. COORDINATE WITH TENANT. PROVIDE 30X48 CLEAR AREA FOR PARALLEL APPROACH AT 36" ADA TRANSACTION AREA.
71	ADA COMPLIANT TOILET ROOM. REFER TO A0.3 FOR CLEARANCES. CONTRACTOR TO PROVIDE AND INSTALL ADA REQUIRED TOILET, SINK INCLUDING WOOD BLOCKING (SEE DETAIL 2A/A0.5), PIPE WRAP, MIRROR, AND GRAB BARS. ADDITIONAL TOILET ROOM ACCESSORIES OF TOILET PAPER, PAPER TOWEL, AND SOAP DISPENSERS ARE TENANT PROVIDED AND CONTRACTOR INSTALLED USING SCREWS AND WALL ANCHORS
72	TENANT PROVIDED CASEWORK. CONTRACTOR INSTALLED. CASEWORK INCLUDES DOUBLE BASIN SINK AND FAUCET AND TWO 36" WIDE WALL CABINETS. BOTTOM OF WALL CABINET TO BE 24" ABOVE COUNTERTOP.
73	CONTRACTOR TO PROVIDE ADA COMPLIANT SIGNAGE WITH RAISED BRAILLE THROUGHOUT AND AT EGRESS DOORS. REFER TO A0.3 FOR ADDITIONAL INFORMATION. SIGNS TO BE ON LATCH SIDE OF DOORS OR RIGHT SIDE OF DOUBLE DOORS.
74	TENANT PROVIDED CABINETRY. CABINETRY INCLUDES TWO (2) 18" WIDE BASE UNITS, PLAM COUNTERTOP AT 29" A.F.F. CONTRACTOR INSTALLED.
75	ALL MILLWORK TENANT PROVIDED AND CONTRACTOR INSTALLED SEE SHEET A-3.1 FOR DETAILS
76	CONTRACTOR TO PROVIDE WATER HEATER IN BREAK ROOM TO ACCOMMODATE HOT WATER LOAD. PRODIVE A WATER HEATER AND PLATFORM (REFER TO DETAIL 10/A0.06 FOR MORE INFORMATION). CONTRACTOR TO HIRE A LICENSED DESIGN-BUILD SUBCONTRACTOR AS REQUIRED.
77	SERVICE SINK PROVIDED AND INSTALLED BY CONTRACTOR. CONCRETOR TO BOLT UNIT TO THE FLOOR PER MANUFACTURER'S RECOMMENDATIONS.
78	ADA COMPLIANT HIGH LOW DRINKING FOUNTAIN. GC PROVIDED AND INSTALLED. REFER TO A0.3 FOR CLEARANCE
80	SQUAT RACK. TENANT PROVIDED, CONTRACTOR INSTALLED. CONTRACTOR TO BOLT UNIT TO THE FLOOR PER MANUFACTURER'S RECOMMENDATIONS. SQUAT RACK PLACEMENT TO BE CENTERD ON A MINIMUM OF 10'-0" SOLID SECTION OF WALL WITH CENTERLINE OF BAR POSITION 18" OFF WALL FACE AND 18" MINIMUM FROM THE END OF BAR TO ANY ADJACENT WALL OR SURFACE. NO PROJECTION OF BAR OR RACK TO EXTEND BEYOND WALL INTO AREAS OF WALKWAYS OR EGRESS PATHS.

2 HEAD DETAIL
1 1/2" = 1'-0"

3 HEAD DETAIL
1 1/2" = 1'-0"

4 SILL DETAIL
1 1/2" = 1'-0"

FLOOR PLAN LEGEND

- ## — COLUMN GRID LINE/ PEMB FRAME
- ## — EDGE OF MASONRY/ PEMB STEEL LINE
- ROOM NAME / RM ## — ROOM TAG: NAME & NUMBER
- ROOM NAME / RM ## / SQ FT — ROOM TAG: NAME, NUMBER, & AREA
- S-333 — DOOR TAG: DOOR NUMBER
- SD-H01 — DOOR TAG: DOOR ELEVATION
- XX — TOILET ACCESSORIES
- 2B | 2HR / S | 12'-10" — INTERIOR WALL TAG SEE WALL TYPE SHEET
- W-05 — WINDOW TYPE, SEE WINDOW TYPE ELEVATIONS
- SH04 — FIRE SHUTTER/SECURITY GRILL NUMBER, SEE SCHEDULE
- FIRE EXTINGUISHER ("FE##" NOTES A FIRE EXTINGUISHER ON A BRACKET OR UNDER COUNTER) ("FEC##" NOTES A FIRE EXTINGUISHER CABINET)
- FLOOR DRAIN AND ELEVATION IN INCHES
- GWT-8 / 44' - 10" — CEILING TAG: TYPE & FINISH, CEILING HEIGHT

GENERAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSULTANT DRAWINGS. ANY DISCREPANCIES FOUND BETWEEN THE ARCHITECTURAL DRAWINGS AND CONSULTANT DRAWINGS WILL BE BROUGHT TO THE ARCHITECTS ATTENTION FOR CLARIFICATION BEFORE ORDERING OR INSTALLING THE SYSTEMS OR PRODUCT.
2. DO NOT SCALE DRAWINGS FOR DIMENSIONS. WRITTEN DIMENSIONS TAKE PRECEDENT. IF THERE IS A DISCREPANCY NOTIFY THE ARCHITECT FOR CLARIFICATION.
3. ANY PRODUCTS OR SYSTEMS SHALL BE INSTALLED, CONNECTED, CONSTRUCTED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SUPERVISION ON THE PROJECT. MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND THEIR COORDINATION FOR ANY PORTION OF THE REQUIRED WORK, FALL UNDER THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CUTTING AND PATCHING WORK OF EXISTING CONDITIONS AND SHALL RESTORE ANY PATCHED WORK TO MATCH THE EXISTING CONSTRUCTION.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS WITH CONTRACT DRAWINGS FOR METHODS OF CONSTRUCTION.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL BUILDING CODES AS SET FORTH BY THE COUNTY, CITY OR STATE OF JURISDICTION THAT THE PROJECT RESIDES.

DIMENSION NOTES

THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS TO VERIFY FIELD CONDITIONS AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES. ERRORS, INCONSISTANCIES OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE TENANT AT ONCE.

THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS. DIMENSIONS ARE NOT ADJUSTABLE UNLESS NOTED WITH A PLUS/MINUS (+/-) TOLERANCE.

"ALIGN" MEANS ALIGNMENT OF SIMILAR COMPONENTS OF CONSTRUCTION (I.E. WALLS, JAMBS, ETC.) WHICH ARE ADJACENT OR IN LINE WITH EACH OTHER ACROSS VOIDS.

DIMENSIONS ARE INDICATED AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWING.
COLUMNS – FROM CENTERLINE TO CENTERLINE
METAL STUD PARTITIONS – FROM F.O. STUD. TO F.O. STUD
CONCRETE - FROM F.O. CONC TO F.O. CONC.
MASONRY – FROM F.O. MASONRY TO F.O. MASONRY
EXTERIOR WALL – FROM EXT. F.O. TO INT. F.O. FINISH
INTERIOR ELEVATION – FROM FIN. FLR. TO FIN. CEILING

ALL ROUGH OPENING DIMENSIONS FOR WINDOWS AND DOORS SHALL BE FIELD VERIFIED PRIOR TO UNIT FABRICATION OR INSTALLATION.

CASEWORK DIMENSIONS SHALL BE FIELD VERIFFIES BEFOREUNIT FABRICATION OR INSTALLATION

ALL FLOOR TO FLOOR AND CEILING HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR.

DOORS ARE TO BE INSTALLED 6" FROM HINGE EDGE TO NEAREST INTERSECTING WALL – TYPICAL, U.N.O.

PLAN GENERAL NOTES

"TYPICAL" (TYP.) MEANS IDENTICAL FOR ALL CONDITIONS WHICH MATCH THE ORIGINAL CONDITION INDICATED UNLESS NOTED OTHERWISE.

"SIMILAR" (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION OF CONDITIONS WHICH MAY VARY FROM TYPICAL OR SIMILAR CONDITIONS INDICATED.

"OPPOSITE HAND" (OPH) MEANS CONDITION NOTED IS THE MIRROR IMAGE OF THE DETAIL REFERENCED.

COORDINATE WITH SECTIONS, ELEVATIONS, DETAILS AND MANUFACTURER'S INSTALLATION CRITERIA TO PROVIDE ADDITIONAL BLOCKING IN WALLS AS NECESSARY.

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PETER HILLERMANN — REGISTERED ARCHITECT — 12517 — NORTH CAROLINA — ALPHARETTA, GA

PROJECT NAME / ADDRESS

BENCHMARK PHYSICAL THERAPY

2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
	04/21/26	PERMIT SET

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SHEET TITLE

FLOOR PLAN

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	As indicated
DRAWN BY:	JM
CHECKED BY:	PH

A1.2

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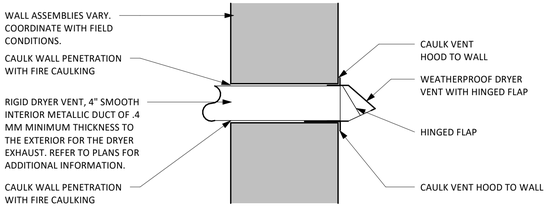
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PLOT DATE: 7/20/2026 2:42:15 PM

REFLECTED CEILING PLAN KEYNOTES

CODE	COMMENT
100	CONTRACTOR TO VERIFY EXISTING EMERGENCY LIGHTING THROUGHT IS IN WORKING CONDITION. REPAIR / REPLACE / MODIFY AS REQUIRED FOR CODE COMPLIANT
101	REFER TO ENGINEERING PLANS FOR MECHANICAL WORK AS REQUIRED. COORDINATE LOCATIONS FOR SUPPLIES WITH TENANT PRIOR TO INSTALLATION. THERMOSTATS TO BE LOCATED IN OPEN AREA AND CENTERED WITHIN CLINIC SPACE / ZONE SERVED BY HVAC UNITS. THERMOSTATS ARE NOT TO BE PLACED ON EXTERIOR WALLS OR IN AREAS THAT ARE IN DIRECT SUNLIGHT. COORDINATE LOCATION WITH TENANT.
102	COORDINATE WITH TENANT LIGHTING CONTROL SWITCHES. LIGHT SWITCHES TO BE LOCATED NEAR RECEPTION / MAIN ENTRANCE / BREAKROOM
104	NEW LAY IN RECESSED LED LIGHTING. LITHONIA MODEL STAK 2X4 4000LM 80CRI 40K COL MIN1 ZT MVOLT 33 W LED OR APPROVED EQUAL. LIGHTING TO BE ONE FIXTURE PER 96 SF. REFER TO RCP FOR ADDITIONAL INFORMATION
106	EXISTING HVAC UNITS TO REMAIN VERIFY IN GOOD WORKING CONDITION. REPAIR OR REPLACE DAMAGED AREAS AS REQUIRED.
110	CEILING MOUNTED PRIVACY CURTAIN. TENANT PROVIDED, CONTRACTOR INSTALLED. BOTTOM OF CURTAIN TO BE 12" AFF. REFER TO DETAIL 2,3,4/A-0.6 FOR ADDITIONAL INFORMATION
111	FIRE ALARM CONTRACTOR TO SUBMIT DRAWINGS INDICATING THE EXISTING AND NEW LOCATION OF FIRE ALARM DEVICES
112	4" DIAMETER RIGID DUCT THRU EXTERIOR WALL OF BUILDING FOR DRYER VENT.
115	NEW 2X2 ACCOUSTICAL CEILING TILE

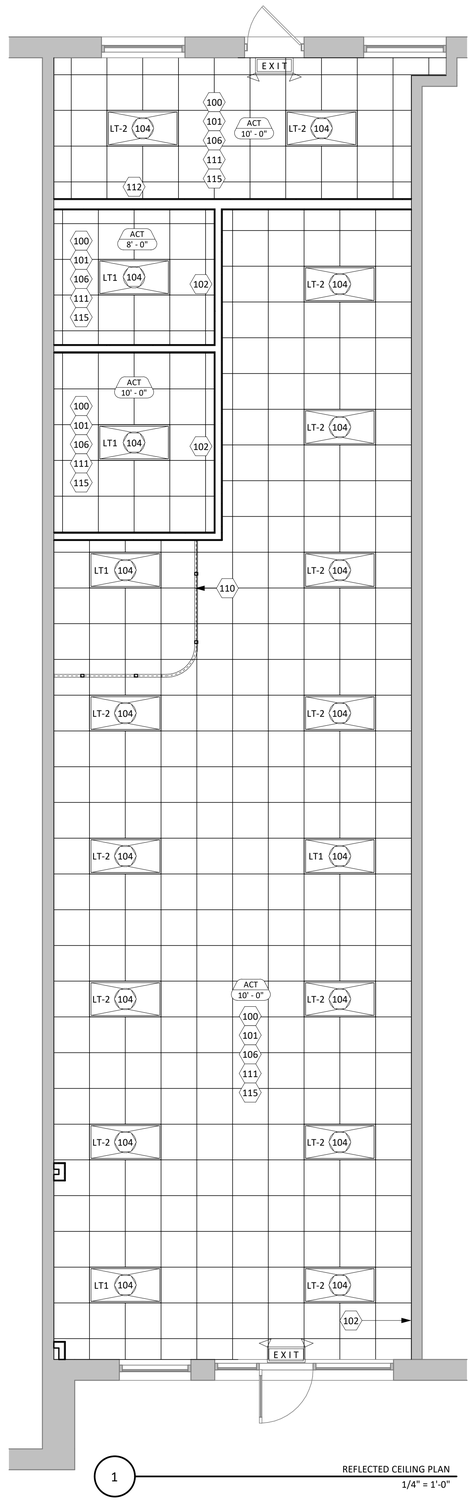
THRU ROOF DETAIL

SEE MECHANICAL DRAWINGS ON TYPE OF DRYER VENTING



THRU WALL DETAIL

2 UR-DRYER VENT DETAIL
NOT TO SCALE



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

REFLECTED CEILING PLAN LEGEND

GWT-8 44' - 10" CEILING TAG AND HEIGHT

ACT = ACOUSTICAL CEILING TILE
ESP = EXPOSED STRUCTURAL PAINTED (SEE NOTES BELOW)
EIFS = EXTERIOR INSULATION FINISH SYSTEM
EXP = EXPOSED
EXT = EXISTING CEILING
MTL = METAL SOFFIT/CANOPY COORDINATE WITH CONTRACTOR

SYMBOL	CODE	DESCRIPTION
	LT1	2X4 RECESSED ARCHITECTURAL LED FIXTURE W/ EMERGENCY BATTERY
	LT2	2X4 RECESSED ARCHITECTURAL LED FIXTURE
	LT3	2X2 RECESSED ARCHITECTURAL LED LIGHT FIXTURE
	XZ	EXISTING LED BATTERY BACK UP EXIT SIGN WITH EXTERIOR SYMBOL LIGHT VERIFY IN GOOD WORKING CONDITION

LIGHTING LAYOUT SUGGESTIVE ONLY REFER TO THE ELECTRICAL LIGHTING PLANS AND TENANT

REFLECTED CEILING PLAN NOTES

REFLECTED CEILING PLANS ARE FOR GRAPHICAL INDICATION ONLY AND SHALL GOVERN DIMENSIONS AND LOCATIONS OF CEILING MOUNTED DEVICES (LIGHT FIXTURES, DIFFUSERS, ETC.) COORDINATE WITH MECHANICAL AND ELECTRICAL PLANS FOR TYPE AND QUANTITY OF DEVICES. NOTIFY TENANT OF ANY DISCREPANCIES.

GENERAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES INVOLVED INCLUDING TENANT'S SUB-VENDORS TO PROVIDE CLEARANCES FOR FIXTURES, DUCTS, CEILING, ET. NECESSARY TO MAINTAIN THE SPECIFIED FINISHED CEILING HEIGHT ABOVE THE FINISHED SLAB AS NOTED ON THE DRAWINGS. NOTIFY THE TENANT OF ANY DISCREPANCIES.

GENERAL CONTRACTOR RESPONSIBLE FOR ALL ROOF PENETRATIONS FOR HVAC EQUIPMENT AND PLUMBING – ALL ROOF FLASHING TO COMPLY WITH ROOF MANUFACTURER'S GUIDELINES AND DETAILS. ALL ROOFING PENETRATIONS TO BE DONE BY LANDLORD'S ROOFING VENDOR. COORDINATE WITH TENANT AS REQUIRED.

COORDINATE LOCATIONS OF RATED WALLS WITH FIRE / SMOKE DAMPERS & PENETRATION SEALS. REFERENCE LIFE SAFETY DIAGRAM FOR EXTENTS OF UL RATED FLOOR, WALL, CEILING AND ROOF CONSTRUCTION AND CONSULTANT ENGINEERING DRAWINGS. NOTIFY TENANT OF ANY DISCREPANCIES.

COORDINATE ALL ACCESS PANEL LOCATIONS IN GWB CEILINGS AND RATED WALL ASSEMBLIES WITH TENANT.

VERIFY & COORDINATE ANY ADDITIONAL POWER, CABLE TV, TELEPHONE AND/OR DATA OUTLET REQUIREMENTS ON NEW INTERIOR WALLS WITH TENANT. COORDINATE ALL ELECTRICAL WORK WITH LICENSED ELECTRICIAN – ALL ELECTRICAL WORK SHALL MEET CURRENT BUILDING CODES.

ALL FIXTURES AND DEVICES SHALL BE CENTERED IN THE CEILING TILE UNLESS OTHERWISE NOTED.

PROVIDE GWB FASCIA / SOFFIT @ INTERSECTIONS OF ALL GWB CEILINGS WITH ACCOUSTICAL TILE CEILING WHEN THEY DO NOT ALIGN – 5/8" GWB ON METAL FRAMING TYP. – BOTTOM OF SOFFIT TO BE AT -0'-6" BELOW ACT UNLESS OTHERWISE NOTED.

ALL LIGHT FIXTURES TO BE CONTRACTOR FURNISHED AND INSTALLED.

COLOR OF ALL SWITCHES, DIMMERS, COVER PLATES, SCREWS, ETC. TO MATCH EXISTING. CONTRACTOR TO VERIFY AVAILABILITY AND LEAD TIMES. REFER TO A-REF SHEETS FOR TYPICAL MOUNTING HEIGHTS U.N.O. SWITHCES TO BE GANGED WHERE POSSIBLE.

REFER TO THE FINISH PLAN FOR FINISH LEGEND AND SPECIFICATIONS FOR FURTHER FINISH INFORMATION.

VERIFY LOCATION AND QUANTITY OF EXIT SIGNS, EMERGENCY LIGHTS AND SMOKE / HEAT DETECTION DEVICES AS REQUIRED BY CODE WITH LICENSED ELECTRICAL DESIGN-BUILD SUB-CONTRACTOR – ALL ELECTRICAL WORK SHALL MEET CURRENT BUILDING CODES.

WET AREAS TO RECEIVE APPROPRIATE WET CONDITION FIXTURES. VERIFY FINAL LIGHTING LAYOUT WITH TENANT AND LICENSED ELECTRICAL DESIGN-BUILD SUBCONTRACTOR.

ALL NEW FURNISHED CEILINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE. REFURBISH / REPLACE DAMAGED EXISTING CEILING TO REMAIN AS NECESSARY.

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PETER HILLERMANN REGISTERED ARCHITECT 12517 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS

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2285 NC 24-87
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SHEET TITLE
REFLECTED CEILING PLAN

PROJECT NO:	2026-0042
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CHECKED BY:	PH

A1.4

FOR CONSTRUCTION

PLOT DATE: 7/20/2026 2:42:16 PM FILE NAME: C:\Users\User\Box\02-Projects\2026_Upstream Projects\2026-0042-UR-Cameron\NC\2026-0042 - UR-CameronNC - Building.rvt

ROOM FINISH SCHEDULE (NO WAINSCOT)

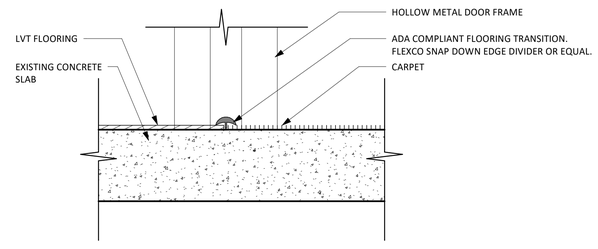
ROOM NO	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH					REMARKS
				STANDARD WALL FINISH	UNIQUE WALL FINISH (DIRECTIONS BASED ON PROJECT) PROJECT NORTH	PROJECT SOUTH	PROJECT EAST	PROJECT WEST	
Not Placed									
104	PRIVATE ROOM	CPT	B1	PT-1					
106	PRIVATE ROOM	CPT	B1	PT-1					
106	LAUNDRY	LVT	B1	PT-1					
EXTG	SERVICE ROOM	EXTG	EXTG	EXTG					
FINISH FLOOR									
100	WAITING	LVT	B1	PT-1	PT-2	PT-2	PT-1	PT-1	
101	RECEPTION	LVT	B1	PT-1	PT-2	PT-2	PT-2	LOGO WALL	
102	CARDIO	CPT	B1	PT-1	PT-1	PT-1	PT-1	PT-1	
103	OPEN AREA	CPT	B1	PT-1	PT-2	PT-2	PT-1	PT-1	
104	PRIVATE ROOM	CPT	B1	PT-1					
105	UNISEX	LVT	B1	PT-1	PT-1	PT-1	PT-2	PT-1	
106	BREAK ROOM	LVT	B1	PT-1	PT-1	PT-1	PT-1	PT-1	

FINISH PLAN KEYNOTES

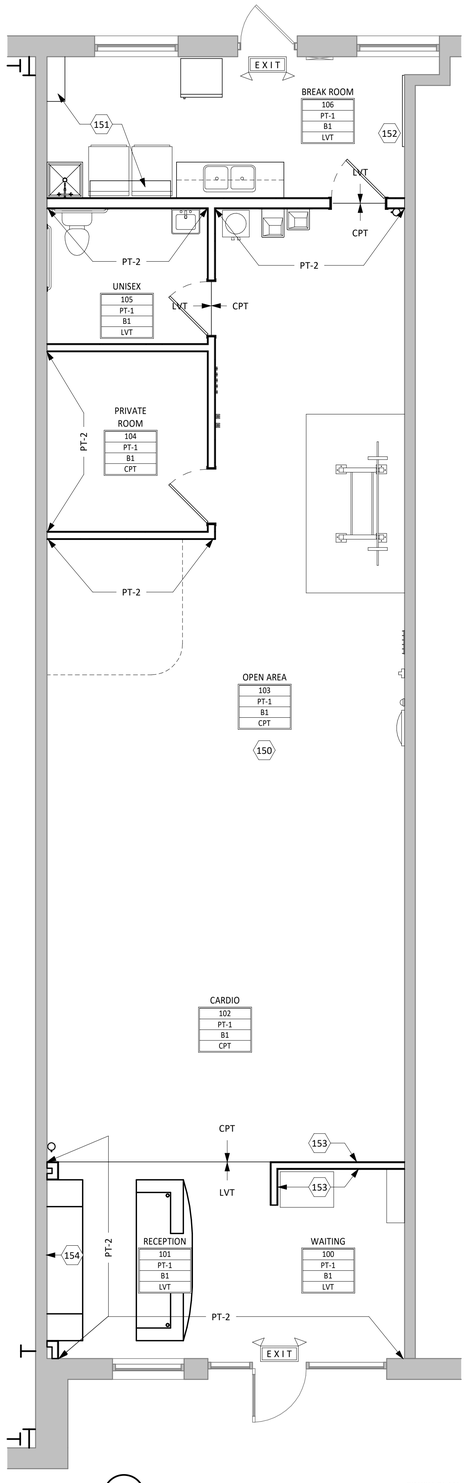
CODE	COMMENT
150	COORDINATE WITH TENANT FOR PAINT COLOR LOCATIONS THROUGHOUT. VERIFY ALL FINISHES WITH TENANT PRIOR TO ORDERING OR INSTALLATION.
151	PAINT WOOD SHELVING TO MATCH ADJACENT WALL COLOR
152	PAINT DATA BOARD TO MATCH WALL COLOR
153	PAINT KNEE WALL ACCENT COLOR PT-2 ALL SIDES. TRIM COLOR TO BE PT-3, UNLESS NOTED OTHERWISE
154	PAINT LOGO WALL ACCENT COLOR PT-2 ALL SIDES. TRIM COLOR TO BE PT-3 UNLESS NOTED OTHER WISE

FINISH LEGEND

MATERIAL CODE	MATERIAL TYPE	MATERIAL COLOR / MANUF	COMMENTS
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG	EXISTING TO REMAIN
GYP	GYPSUM BOARD CEILING	USG	EXISTING TO REMAIN
CPT	CARPET (TENANT CUSTOM)	MOHAWK: STYLE: PROSIGNS BT592/ COLOR: SWITCHCODE 848 / INSTALL IN QUARTER TURN PATTERN / TENANT PROVIDED, CONTRACTOR INSTALLED. GC PROVIDE QUANTITY NEEDED TO TENANT)	
L1	PLASTIC LAMINATE	GROUPE LACASSE - SLT "SALTA" GRAIN TO BE INSTALLED IN A VERTICAL DIRECTION	
L2	PLASTIC LAMINATE	WILSONART 4830K-18 SATIN STAINLESS	
PT1	BASE PAINT - EGGSHELL	SHERWIN WILLIAMS: SW7064 PASSIVE PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	
PT2	ACCENT - EGGSHELL	SHERWIM WILLIAMS: SW7067 CITYSCAPE PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	
PT3	TRIM/FRAMES/DOORS	SHERWIN WILLIAMS: SW7068 GRIZZLE GREY (SEMI GLOSS) PRO INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY	
PT4	CEILING PAINT	SHERWIN WILLIAMS: SW7570 EGRET WHITE	
PT5	DRY FALL- EXPOSED CLG	BLACK	
B1	RUBBER BASE	MOHAWK: 4" COVE - CO116/63125 - 99 BLACK / BROWN / TENANT PROVIDED CONTRACTOR INSTALLED. GC PROVIDE QUANTITY NEEDED TO TENANT	
LVT	LUXURY VINYL TILE	MOHAWK: STYLE: LIVING LOCAL C0194 / COLOR: SILVER 918. / 7.75" X 52" PLANK / TENANT PROVIDED CONTRACTOR INSTALLED. GC PROVIDE QUANTITY NEEDED TO TENANT	
LVT2	LUXURY VINYL TILE (BEYOND THERAPY ONLY)	MOHAWK: STYLE: LIVING LOCAL C0179 / COLOR: METAMORPHIC 250. / 12" X 24" PLANK / TENANT PROVIDED CONTRACTOR INSTALLED. GC PROVIDE QUANTITY NEEDED TO TENANT	
RB1	RUBBER FLOORING	ROPPE: RECOIL FITNESS FLR - COLOR: 198 IVORY OR APPROVED EQUAL. TENANT PROVIDED CONTRACTOR INSTALLED. GC PROVIDE QUANTITY NEEDED TO TENANT	



2 FLOOR TRANSITION
3" = 1'-0"



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

FINISH PLAN NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING QUANTITIES AND LEAD TIME ON THE FINISHES SPECIFIED PRIOR TO ORDERING MATERIALS.

CONTRACTOR SHALL VERIFY MATERIAL SEAMS AND GRAIN / PATTERN DIRECTION WITH TENANT PRIOR TO ORDERING MATERIALS. ANY DISCREPANCIES OR LEAD TIME ISSUES SHOULD BE REPORTED TO THE TENANT IN WRITING.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL BUILDING TRADES INVOLVED IN THE PROJECT TO ENSURE PROPER SURFACE PREPARATIONS FOR THE FINISHES SPECIFIED. EXISTING FLOORS TO BE PREPPED AND SURFACED PER MANUFACTURER'S WARRANTY REQUIREMENTS FOR DESIGNATED FLOOR FINISHES.

FINISHES PROVIDED BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK IN THESE DOCUMENTS SHALL BE INSTALLED PER MANUFACTURER'S WARRANTY REQUIREMENTS AND PER CURRENT BUILDING CODES.

ITEMS REQUIRING FINISH SELECTION THAT DO NOT APPEAR IN THE CONSTRUCTION DOCUMENTS SHALL BE SELECTED FROM SHOP DRAWINGS, SUBMITTALS AND/OR SAMPLES SUBMITTED BY THE CONTRACTOR FOR REVIEW.

ALL FINISHES SHALL BE CLASS "A".

ALL FLOOR MATERIAL TRANSITIONS AT OPENINGS ARE TO OCCUR AT CENTER OF DOOR OR CENTER OF OPENING IF OPENING IS WITHOUT DOOR UNLESS OTHERWISE NOTED. TRANSITIONS ARE CONTRACTOR PROVIDED AND INSTALLED. REFER TO 2/A1.5 FOR ADDITIONAL INFORMATION.

ALL WOOD SURFACES TO BE PAINTED, 'SEMI-GLOSS' FINISH – OIL BASE, UNLESS NOTED OTHERWISE. WOOD SHELVES IN CLOSET TO BE PAINTED TO MATCH ADJACENT WALL SURFACE COLOR.

ALL INTERIOR WOOD DOORS TO BE PAINTED PT-3, 'SEMI-GLOSS' FINISH – OIL BASE. COORDINATE WITH TENANT AS REQUIRED FOR FINISH SELECTION.

ALL GWB CEILINGS TO BE PAINTED PT-4, FLAT LATEX, UNLESS NOTED OTHERWISE.

ALL GWB CASED OPENINGS, HEADS, JAMBS, SILLS AND SOFFITS TO BE PAINTED TO MATCH ADJACENT WALL SURFACE, UNLESS NOTED OTHERWISE.

INTERIOR PAINTED SURFACES TO BE 'EGGSHELL' FINISH UNLESS OTHERWISE NOTED. WET AREAS TO RECEIVE 'SEMI-GLOSS' FINISH.

ALL EXTERIOR HOLLOW METAL DOORS TO BE PAINTED, SEMI GLOSS ENAMEL UNLESS OTHERWISE NOTED.

ELECTRICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACES WHERE ALLOWABLE BY CODES.

COORDINATE WITH OWNER AND TENANT TO PROVIDE INTERIOR AND EXTERIOR SIGNAGE. CODE REQUIRED SIGNAGE TO BE PROVIDED BY CONTRACTOR. ADA RESTROOM SIGNAGE TO BE BLACK FIELD WITH WHITE LETTERING.

CONTRACTOR SHALL COORDINATE COUNTER HEIGHTS WITH APPLIANCES AND ADA REQUIREMENTS.

CONTRACTOR SHALL PROVIDE GROMMETS IN COUNTETOPS AS NECESSARY – COORDINATE LOCATIONS WITH TENANT.

CONTRACTOR SHALL PROVIDE SUPPORT AS NECESSARY FOR CASEWORK / MILLWORK LAYOUT AND INSTALLATION.

VERIFY ALL FINISH COLORS WITH TENANT PRIOR TO ORDERING MATERIALS AND INSTALLATION. FINISHES NOT SHOWN TO BE COORDINATED WITH TENANT.

INTERIOR FINISH LEGEND

ROOM NAME
RM ##
Wall Finish
Base Finish
Floor Finish
ROOM FINISH TAG

ROOM NAME
RM ##
Wall Finish
Base Finish
Floor Finish
Wainscot
ROOM FINISH TAG WITH WAINSCOT

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PETER HILLERMANN REGISTERED ARCHITECT 12512 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS
BENCHMARK PHYSICAL THERAPY
2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
	04/21/26	PERMIT SET

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SHEET TITLE
FINISH PLAN

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	As indicated
DRAWN BY:	JM
CHECKED BY:	PH

A1.5

FOR CONSTRUCTION

PLOT DATE: 7/20/2026 2:45:17 PM FILE NAME: C:\Users\User\Box\02 Projects\2026_Upstream Projects\2026-0042-LIR-Cameron\CV2026-0042 - LIR-Cameron.rvt - Building.rvt

ELECTRICAL LAYOUT PLAN NOTES

ELECTRICAL PLANS ARE FOR GRAPHICAL INDICATION ONLY AND SHALL GOVERN DIMENSIONS AND LOCATIONS OF ELECTRICAL FIXTURES – ALL FIXTURES AND FINISHES TO BE SELECTED BY TENANT. ALL ELECTRICAL WORK SHALL MEET CURRENT ELECTRICAL CODES.

VERIFY & COORDINATE ANY ADDITIONAL POWER, CABLE TV, TELEPHONE AND/OR DATA OUTLET REQUIREMENTS ON NEW INTERIOR WALLS WITH THE TENANT. COORDINATE ALL ELECTRICAL WITH LICENSED ELECTRICIAN – ALL ELECTRICAL WORK SHALL MEET CURRENT BUILDING CODES.

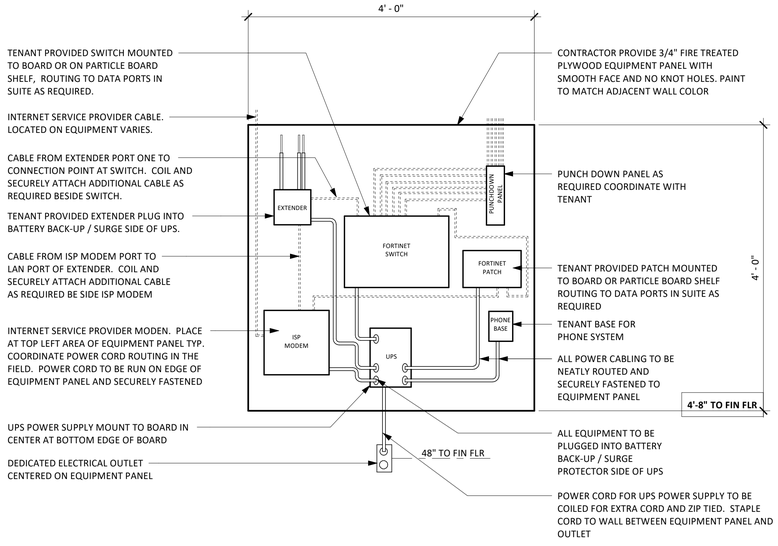
COORDINATE ALL ELECTRICAL LOADS WITH LICENSED ELECTRICIAN AND TENANT.

VERIFY FINAL ELECTRICAL LOCATIONS IN FIELD WITH TENANT PRIOR TO INSTALLATION.

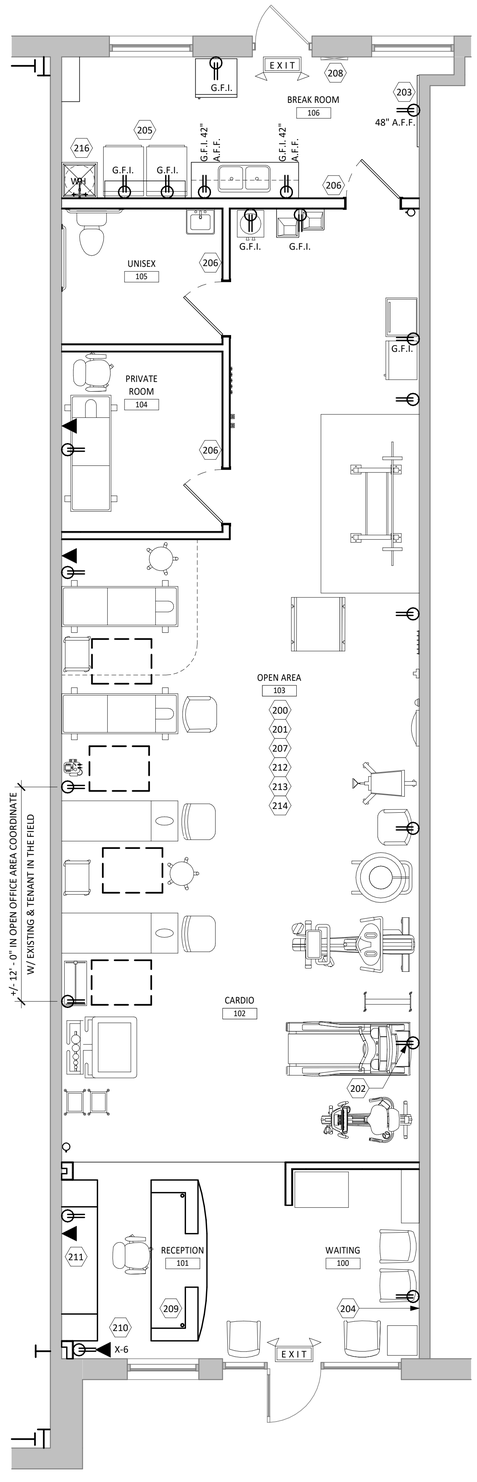
COLOR OF ALL SWITCHES, DIMMERS, COVER PLATES, SCREWS, ETC. TO MATCH EXISTING. CONTRACTOR TO VERIFY AVAILABILITY AND LEAD TIMES. SWITCHES TO BE GANGED WHERE POSSIBLE.

ELECTRICAL KEYNOTES

CODE	COMMENT
200	ELECTRICAL LOCATIONS ARE SHOWN FOR DESIRED LOCATIONS. COORDINATE WITH EXISTING ELECTRICAL LOCATIONS AND TENANT IN THE FIELD FOR ADDITIONAL COVERAGE
201	COORDINATE WITH TENANT FOR DATA DROPS SHOWN. DATA DROPS BY TENANT SUB-VENDOR. CONTRACTOR TO PROVIDE A MINIMUM 1" RIGID CONDUIT AND PULL STRING IN ALL AREAS THAT CANNOT BE FISHED BY LOW VOLTAGE VENDOR ONCE GWB IS INSTALLED. AREAS INCLUDES BUT NOT LIMITED TO KNEE WALLS. AROUND STRUCTURAL COMPONENTS, AND UNDER WINDOWS.
202	PROVIDE DEDICATED OUTLET FOR TENANT PROVIDED EQUIPMENT. COORDINATE WITH TENANT CONTRACTOR TO PROVIDEOUTLET IN ORANGE COLOR OR BLACK FACEPLATE TO DESIGNATE DEDICATED OUTLET IN THE SPACE
203	ELECTRICAL FOR PHONE/ DATA BOARD. REFER TO 3/A1.6 FOR ADDITIONAL INFORMATION. CONTRACTOR TO PROVIDE WEATHERPROOF CONDUIT PATH FROM TENANT'S DATA PANEL TO ELECTRICAL / TELEPHONE DEMARCATION POINT FOR PHONE / INTERNET INSTALL. CONTRACTOR TO PROVIDE A TIMER SWITCH NEXT TO THE ELECTRICAL PANEL WITH WIRE TO BUILDING FACADE CONTRACTOR'S ELECTRICIAN TO MAKE FINAL CONNECTION TO BUILDING SIGNAGE
204	COORDINATE WITH TENANT FOR LIGHTING CONTROL SWITCHES
205	PROVIDE ELECTRICAL FOR SIDE BY SIDE WASHER AND DRYER
206	LIGHT(S) IN PRIVATE ROOMS TO BE INDIVIDUALLY SWITCHED FROM ALL LIGHTING IN THE MAIN AREA. LIGHT SWITCH TO BE INSIDE PRIVATE ROOM ON THE LATCH SIDE OF THE DOOR.
207	CONTRACTOR TO PROVIDE DEDICATED CIRCUIT FOR TENANT PROVIDED EXTERIOR SIGNAGE TO JUNCTION BOX ABOVE CEILING AT BUILDING SIGN LOCATION. CONTRACTOR TO MAKE FINAL CONNECTION TO BUILDING SIGN FOR POWER SIGN CONTROLLED BY PHOTO CELL PROVIDED BY TENANT'S SIGN VENDOR. COORDINATE WITH TENANT
208	EXISTING ELECTRICAL PANEL. CONTRACTOR TO HIRED LICENSED DESIGN BUILD SUBCONTRACTOR AS REQUIRED FOR ADDITIONAL WORK.
209	POWER RECEPTION DESK BY CONTRACTOR AS INDICATED. CONTRACTOR TO INSTALL PROVIDED ELECTRICAL/DATA WIRE WHIP TWO PROVIDED DUPLEX OUTLETS IN COUNTERTOP KNOCKOUTS AND FEED WIRE WHIP THROUGH TOE KICK TO PLUG INTO ELECTRICAL OUTLET. SECURE WIRE WHIP FROM TOE KICK OF DESK TO ELECTRICAL OUTLET AS NECESSARY ALONG BASEBOARDS LOW VOLTAGE WIRING CONNECTIONS BY TENANT'S LOW VOLTAGE SUBCONTRACTOR
210	SIX DATA PORTS AT THIS LOCATION WORK TO BE PERFORMED BY TENANT'S LOW VOLTAGE SUBCONTRACTOR.
211	ONE ANALOG FAX LINE AND TWO DATA PORTS AT THIS LOCATION WORK TO BE PERFORMED BY TENANT'S LOW VOLTAGE SUBCONTRACTOR.
212	CONTRATOR TO PROVIDE 1" RIGID CONDUIT WITH PULL STRING FROM CEILING DIRECTLY ABOVE DATA PANEL TO RECEPTION DESK DATA CONNECTION POINT WITH JUNCTION BOX IN WALL CAVITY. CONTRACTOR TO PROVIDE 1" RIGID CONDUIT WITH PULL STRING AT AREAS WHERE LOW VOLTAGE COULD NOT BE FISHED THROUGH THE WALL CAVITY INCLUDING, BUT NOT LIMITED TO KNEE WALLS AND BELOW WINDOW SILLS
213	CONTRACTOR TO PROVIDE MEDICAL GRADE REDUNANT GROUND WIRING FOR ALL NEW AND EXISTING RECEPTACLES IN ALL PATIENT CARE AREAS PER THE NATIONAL ELECTRICAL CODE. REDUNDANT GROUND WIRING IS NOT REQUIRED IN STAFF AREA, TOILET ROOMS OR STORAGE AREAS
214	ALL ELECTRICAL MATERIAL, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABELED / LISTED BY UL OR ANOTHER NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY
216	240 VOLT, 30 AMP BREAKER FOR WATER HEATER, REFER TO 10/A0.6 FOR MORE INFORMATION



1 ARCHITECTURAL ELECTRICAL PLAN
1/4" = 1'-0"



3 PHONE / DATA BOARD
NOT TO SCALE

ELECTRICAL LEGEND

18" AFF — ELECTRICAL OUTLET. HEIGHT ABOVE FLOOR 18" UNO GFI OUTLET IN WET LOCATIONS AND AS REQUIRED BY CODE.

DATA PORT. AT FLOOR LOCATIONS PROVIDE A HEAVY DUTY COVER PLATE

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PROJECT NAME / ADDRESS

BENCHMARK PHYSICAL THERAPY

2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

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SHEET TITLE
ARCHITECTURAL ELECTRICAL PLAN

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
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DRAWN BY:	JM
CHECKED BY:	PH

A1.6

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Waterlogic Position Statement for ADA Accessibility Guidelines **(ADAAG)**

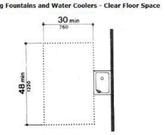
The Americans with Disabilities Act requires certain accessibility requirements for new and old construction. Published with the ADA standards is a set of accessibility guideless, often referred to as the ADAAG (American with Disabilities Act Accessibility Guidelines). Water coolers and most other appurtenances do not receive ADA certification, but need to be compliant with the ADAAG.

The guidelines provide technical requirements for accessibility to buildings and facilities by individuals with disabilities under the Americans with Disabilities Act (ADA) of 1990. These scoping and technical requirements are to be applied during the design, construction, and alteration of buildings and facilities covered by titles II and III of the ADA to the extent required by regulations issued by Federal agencies, including the Department of Justice and the Department of Transportation, under the ADA. The full ADAAG can be viewed at: https://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-ada-standards/background/adaaa. The section pertaining to drinking fountains and water coolers is 4.15 and can be found here: https://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-ada-standards/background/adaag#4.15.

The requirements state:

1. Spouts shall be no higher than 36-inches (915mm) from the floor.
2. Spout located at front of unit, water flow parallel to front of unit.
3. Minimum 4-inch (100mm) dispenser gap.
4. Flow stream within 3-inches (75mm) of unit front.
5. Unit controls shall be front mounted or side mounted near the front edge.
6. Controls to be operable with a clinched fist, less than 22N of force.
7. Free-standing or built-in units must have a clear floor space in front of machine of minimum 30-in by 48-in (760mm x 1220mm) that allows a person in a wheelchair to make a parallel approach to the unit.

Drinking Fountains and Water Coolers - Clear Floor Space



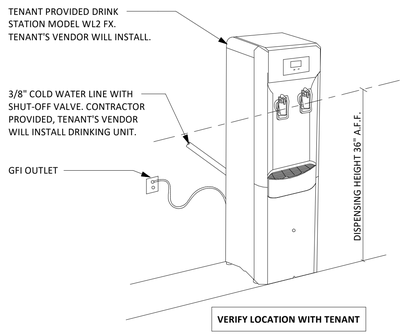
From the requirements listed above, you can see, for example, certain Waterlogic systems meet the ADAAG such as our WL2 Firewall and WL270 and WL290 models.

ADAAG Requirement	WL2 FX	WL270/290
Spout height no higher than 36-inches (915mm) from the floor	36-inches √	36-inches √
Spout located at front of unit, water flow parallel to front of unit	√√	√√
Minimum 4-inch (100mm) dispenser gap	√	√
Flow stream within 3-inches (75mm) of unit front	< 2-in. √	< 2-in. √
Controls to be operable with a clinched fist, less than 22N of force	√ 1.1N	√ 1.9N
Clear floor space in front of machine of minimum 30-in by 48-in (760mm x 1220mm)	Installer to ensure	Installer to ensure

The actual certification occurs at walk through of the facility after construction by the Certified Access Specialist (CASP member) when all guidelines are met. It is important to note the cooler needs to be installed before it can be deemed compliant with the ADAAG.

For additional questions please contact:

George Cary, Vice President of Engineering
Waterlogic USA
george.cary@waterlogicusa.com
(402) 905-2008



2 UR-DRINKING STATION DETAIL
NOT TO SCALE

EQUIPMENT PLAN NOTES

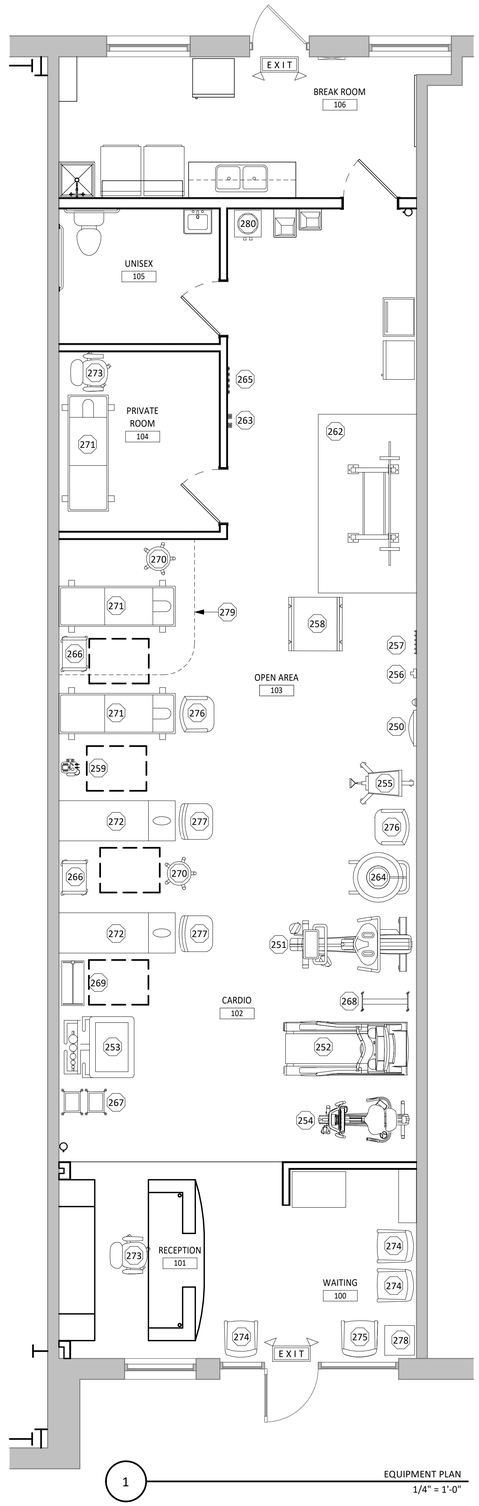
COORDINATE ALL EQUIPMENT UTILITY NEEDS WITH TENANT'S VENDOR PROVIDED EQUIPMENT AND EQUIPMENT CUT SHEETS.

COORDINATE FIRE-RETARDANT BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED EQUIPMENT.

VERIFY UTILITY NEEDS OF TENANT PROVIDED EQUIPMENT PRIOR TO INSTALLATION.

VERIFY FINAL EQUIPMENT LOCATIONS IN FIELD WITH TENANT PRIOR TO INSTALLATION OF EQUIPMENT AND WALL BLOCKING.

EQUIPMENT LEGEND				
DESCRIPTION	KEYNOTE	QUANTITY	PROVIDED BY	INSTALLED BY
EXERCISE EQUIPMENT				
BAPS COMPLETE W/ WALL RACK	250	1	TENANT	TENANT VENDOR
BIKE - RECUMBENT	251	1	TENANT	TENANT VENDOR
TREADMILL	252	1	TENANT	TENANT VENDOR
REBOUNDER	253	1	TENANT	TENANT VENDOR
SCIFIT PRO2 TOTAL	254	1	TENANT	TENANT VENDOR
CABLE COLUMN	255	1	TENANT	TENANT VENDOR
CLX WALL STATION	256	1	TENANT	CONTRACTOR
CLX WALL STATION ACCESSORY RACK	257	1	TENANT	CONTRACTOR
3' PARALLEL BARS	258	1	TENANT	TENANT VENDOR
INTELLECT LEGEND 4 CHANNEL COMBO UNIT	259	1	TENANT	TENANT VENDOR
COLPAC FREEZER	260	1	TENANT	TENANT VENDOR
HYDROCOLLATOR W WALL MOUNT RACK	261	1	TENANT	CONTRACTOR
SQUAT RACK - BOLTED TO FLOOR	262	1	TENANT	TENANT VENDOR
DUMBBELL RACK - WALL MOUNT	263	1	TENANT	CONTRACTOR
YOGA BALL RACK - FREESTANDING	264	1	TENANT	TENANT VENDOR
CUFF WEIGHT RACK - WALL MOUNT	265	1	TENANT	CONTRACTOR
OFFICE FURNITURE				
WORKSTATION TASK CHAIR	273	2	TENANT	CONTRACTOR
RECEPTION AREA CHAIR	274	3	TENANT	CONTRACTOR
RECEPTION AREA BARIATRIC CHAIR	275	1	TENANT	CONTRACTOR
CHAIR - CLINIC AREA WITH ARMS	276	2	TENANT	CONTRACTOR
CHAIR - CLINIC AREA WITHOUT ARMS	277	2	TENANT	CONTRACTOR
TABLE - END	278	1	TENANT	CONTRACTOR
TENANT PROVIDED ITEMS				
PRIVACY CURTAIN	279	PER PLANS	TENANT	CONTRACTOR
DRINK STATION	280	1	TENANT	TENANT VENDOR
TREATMENT FURNITURE				
UTILITY CART W/ DRAWER	266	2	TENANT	TENANT VENDOR
FOOT STOOL	267	2	TENANT	TENANT VENDOR
ROLLING MIRROR	268	1	TENANT	TENANT VENDOR
OVER BED TABLE	269	1	TENANT	TENANT VENDOR
PNEUMATIC STOOL	270	2	TENANT	TENANT VENDOR
TABLE - HI/LOW	271	2	TENANT	TENANT VENDOR
TABLE - TREATMENT	272	2	TENANT	TENANT VENDOR



1 EQUIPMENT PLAN
1/4" = 1'-0"

H2A
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PETER HILLERMANN REGISTERED ARCHITECT 12512 NORTH CAROLINA ALPHARETTA, GA

PROJECT NAME / ADDRESS
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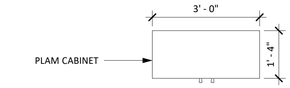
SHEET TITLE
EQUIPMENT PLAN

PROJECT NO:	2026-0042
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CHECKED BY:	PH

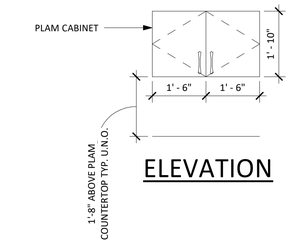
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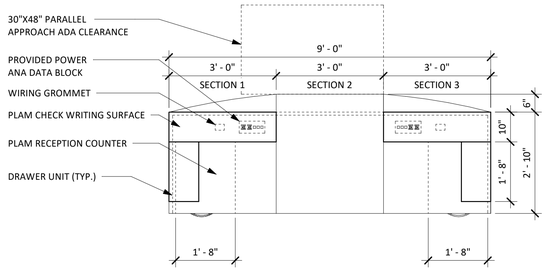


PLAN

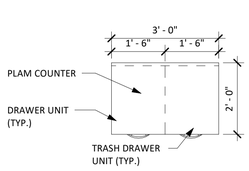


ELEVATION

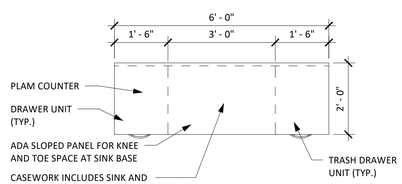
5 WALL MOUNTED CABINET
1/2" = 1'-0"



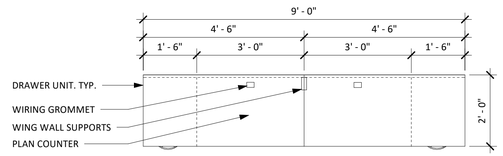
PLAN



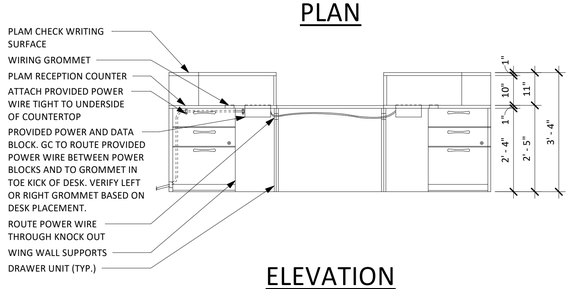
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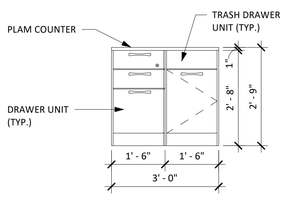
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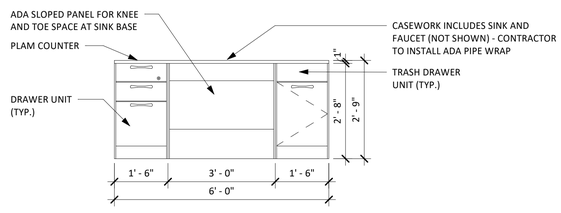
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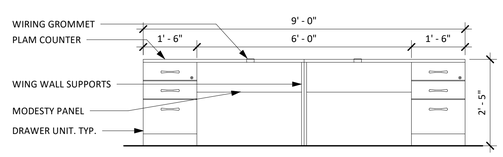
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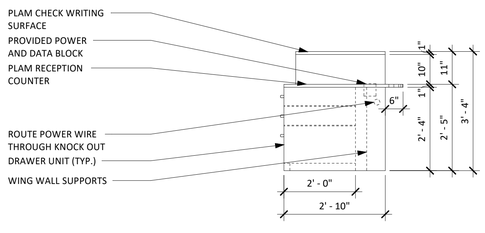
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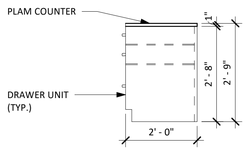
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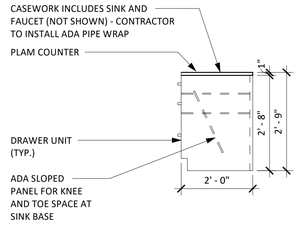
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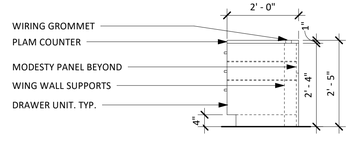
SECTION



SECTION



SECTION



SECTION

4 COUNTER 7.1 - RECEPTION DESK - SINGLE RECEPTION SETUP
1/2" = 1'-0"

3 COUNTER 6 - COFFEE BAR
1/2" = 1'-0"

2 COUNTER 5 - BREAK ROOM COUNTER
1/2" = 1'-0"

1 COUNTER 1 - RECEPTION BACK COUNTER
1/2" = 1'-0"

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PROJECT NAME / ADDRESS

BENCHMARK PHYSICAL THERAPY

2285 NC 24-87
CAMERON, NC 28326-6687

ISSUES / REVISIONS

NO	DATE	DESCRIPTION
	04/21/26	PERMIT SET

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SHEET TITLE
CASEWORK DETAILS

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	1/2" = 1'-0"
DRAWN BY:	JM
CHECKED BY:	PH

A3.1

FOR CONSTRUCTION

PLOT DATE: 7/22/2026 2:42:19 PM FILE NAME: C:\Users\UserBox\02-Projects\2026_Upstream Projects\2026-0042-UR-Cameron\NC\2026-0042 - UR-Cameron\NC - Building.rvt

DX SPLIT SYSTEMS – HEAT PUMP

INDOOR FAN COIL UNIT									OUTDOOR HEAT PUMP UNIT											
MARK	SUPPLY FAN		OA CFM (EA)	ELEC HEAT		ELEC (60HZ)	BASIS OF DESIGN		MARK	COOLING		ELEC (60HZ)		SEER	HSPF	HEATING MBH (47°F)	BASIS OF DESIGN		REMARKS	STATUS (EXIST. / NEW)	TYPE (HEAT/COOL)
	CFM	ESP (W.G.)		OUTPUT (208V/1PH)	# STEPS	V/PH	MFGR	MODEL		NOM TONS	# STEPS	V/PH	MOCP				MANUFACTURER	MODEL			
FCU–1,2	1,200	0.6	130	3.8kW	1	208/1	CARRIER	FJ5ANXC36	HPU–1	3	1	208/1	30	14.3	7.5	36.08	CARRIER	27SCA536	(1)(2)(3)(4)	NEW	HEAT PUMP/ ELEC.

(1) FAN COIL UNIT: MULTIPOISE AIR HANDLING UNIT; GALVANIZED GAUGE STEEL CABINET WITH BAKED ENAMEL FINISH; INTERNALLY LINED WITH 3/4" THICK, 1.5 PCF LINER; FORWARD CURVED, FACTORY BALANCED CENTRIFUGAL FAN; ALUMINUM/COPPER FINNED TUBE HEAT EXCHANGER; UL LISTED OPEN WIRE HEATING ELEMENT WITH CERAMIC BUSHINGS, AUTOMATIC LIMIT CONTROLS, AND THERMAL CUT–OUTS; FILTER RACK WITH 1" MERV–8 FILTERS; HARD–SHUTOFF THERMOSTATIC EXPANSION VALVE; INTEGRAL SYSTEM CONTROLS PACKAGE AND CONTROL VOLTAGE TRANSFORMER; SINGLE POINT ELECTRICAL CONNECTION.

(2) CONDENSING UNIT WITH SCROLL COMPRESSOR; ALUMINUM FIN/TUBE HEAT EXCHANGER WITH HAIL GUARD; DIRECT DRIVE PROPELLER FAN; LOW AMBIENT OPERATION KIT FOR COOLING OPERATION DOWN TO 0F; EVAPORATOR FREEZESTAT; WINTER START CONTROL; CRANKCASE HEATER; COMPRESSOR START ASSIST; SHORT CYCLE PROTECTION; THERMAL AND PRESSURE COMPRESSOR OVERLOAD PROTECTION; EXTERNAL SERVICE VALVES; REVERSING VALVE; REFRIGERANT FILTER DRYER; SINGLE POINT ELECTRICAL CONNECTION; R–454B.

(3) 7–DAY PROGRAMMABLE THERMOSTAT: DIGITAL THERMOSTAT; ENERGY STAR LABELED; 7–DAY PROGRAMMABLE WITH 4 EVENTS PER DAY; 2 HOUR PROGRAM OVERRIDE; INDEPENDENTLY ADJUSTABLE SETPOINTS AND 5F DEADBAND; COMPRESSOR SHORT CYCLE PROTECTION; SYSTEM MODE (AUTO/COOLING/HEATING/OFF) AND FAN MODE (ON/AUTO) SELECTIONS; NON–VOLATILE PROGRAM MEMORY.

(4) MOTOR OPERATED DAMPER IN OA DUCT, INTERLOCK WITH FAN TO OPEN WHEN FAN IS ON AND CLOSE WHEN FAN IS OFF.

FANS

MARK	TYPE	SERVICE	CFM	ESP (W.G)	MOTOR	ELEC (60 HZ)		MAX SONES	BASIS OF DESIGN		REMARKS
						V/PH	DISC BY		MANUFACTURER	MODEL	
EF–1	CEILING–MTD	RESTROOMS	50	0.25	6.1 W	120/1	MC	0.6	GREENHECK	SP–80–VG	(1)

(1) DIRECT DRIVE, GALVANIZED STEEL FORWARD CURVED FAN, ECM MOTOR; LOW SOUND CONSTRUCTION: HEAVY GAUGE CABINET INTERNALLY LINED WITH 1/2" ACOUSTICAL LINER; CEILING GRILLE; BACKDRAFT DAMPER; ELECTRICAL DISCONNECT; INTERNAL SPEED CONTROLLER. INTERLOCK WITH LIGHTS.

DIFFUSERS, REGISTERS, AND GRILLES

MARK	TYPE	MOUNTING	NECK DAMPER	MAX NC	MAX ΔP	SIZE		MAT'L	FINISH	BASIS OF DESIGN		REMARKS
						NECK	FRAME			MFGR	MODEL	
S1	4–WAY LOUVERED DIFFUSER	LAY–IN	N	30	0.1"	PER PLANS	24x24	ALUMINUM	(2)	TITUS	TMS–AA	(1)
S2	4–WAY LOUVERED DIFFUSER	SURFACE	Y	30	0.1"	PER PLANS	12x12	ALUMINUM	(2)	TITUS	TDC–AA	(1)
R1	EGGCRATE GRILLE	SURFACE	N	30	0.05"	PER PLANS	24x24, UNO	ALUMINUM	(2)	TITUS	50F	(1)

(1) HORIZONTALLY MOUNTED DIFFUSERS TO HAVE 22.5 DEGREE VERTICAL DEFLECTION AND 2–WAY HORIZONTAL THROW WHERE INDICATED.

(2) AIR DEVICE FACTORY FINISH COLOR SHALL MATCH COLOR OF CEILING SYSTEM IN WHICH INSTALLED, COORDINATE WITH OWNER.

OUTDOOR AIR REQ'S (2018 NC MECH. CODE)

SPACE TYPE	AREA (Az)	PEOPLE–RELATED OA			AREA–RELATED OA		MIN BREATHING ZONE OA, Vb (Pz x Rp) + (Az x Ra)
		# OCC (Pz)	CFM/OCC (Rp)	CFM (Pz x Rp)	CFM/SF (Ra)	CFM (Az x Ra)	
OPEN AREA	543	5	5	25	0.06	33	58
RECEPTION/WAITING	229	5	5	25	0.06	14	39
CARDIO	350	3	20	60	0.06	21	81
RESTROOM	75	–	–	–	0.06	5	5
PRIVATE ROOM	99	1	5	5	0.06	6	11
BREAKROOM	194	–	–	–	0.06	12	12
SUB–TOTAL (Vb)							206
ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)							0.8
MINIMUM ZONE OUTDOOR AIR REQUIRED (Voz/Ez)							258
ACTUAL OUTDOOR AIR PROVIDED							260

HVAC LEGEND

SYMBOL	DESCRIPTION
	EXISTING MECHANICAL CONSTRUCTION (CROSS HATCHED = TO BE REMOVED)
	CONNECTION TO EXISTING CONSTRUCTION
2–A 8"ø 200	AIR DEVICE TAG
	SUPPLY AIR DEVICE
	RETURN / EXHAUST AIR DEVICE
20x12	DUCTWORK, SIZED AS SPECIFIED (LINED WHERE NOTED/SPECIFIED)
	FLEXIBLE DUCT OR CONNECTOR
20x12	DUCTWORK, SIZED AS SPECIFIED (LINED WHERE NOTED/SPECIFED)
R	DUCT OFFSET: (R)ISE, (D)ROP – ARROW SHOWS DIRECTION OF OFFSET.
	FD = FIRE DAMPER FSD = FIRE/SMOKE DAMPER
	FD = FIRE DAMPER FSD = FIRE/SMOKE DAMPER
	MD = MANUAL DAMPER MOD = MOTOR–OPERATED DAMPER
	MOTOR–OPERATED DAMPER
T	(T)HERMOSTAT, (H)UMIDISTAT

HVAC ABBREVIATIONS

ABBREV.	DEFINITION	ABBREV.	DEFINITION
A/C	ABOVE CEILING	L&S	LOUVER AND SCREEN
AD	ACCESS DOOR	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION
AFF	ABOVE FINISHED FLOOR	LF	LINEAR FEET
B/F	BELOW FLOOR	MD	MANUAL DAMPER
B/G	BELOW GRADE	MECH	MECHANICAL
BB	BASE BUILDING	MFGR	MANUFACTURER
BD	BACKDRAFT DAMPER	MOD	MOTOR–OPERATED DAMPER
BLDG	BUILDING	MTD	MOUNTED
CD	CONDENSATE DRAIN	N/A	NOT APPLICABLE
CF(H/M)	CUBIC FEET PER (HOUR / MINUTE)	NC	NOISE CRITERIA
CLG	CEILING	NIC	NOT IN CONTRACT
CONC	CONCRETE	NOM	NOMINAL
CONN	CONNECT(ION)	OA	OUTSIDE AIR
CONT	CONTINUATION	OC	ON CENTERS
DIA	DIAMETER	OPNG	OPENING
DIV 15/16	DIVISION 15000 (MECH) / 16000 (ELEC)	PLBG	PLUMBING
DN	DOWN	RA	RETURN AIR
EA	EACH or EXHAUST AIR	SA	SUPPLY AIR
ELEC	ELECTRICAL	SF	SQUARE FEET
EXH	EXHAUST	SQ	SQUARE
EXIST	EXISTING	TBD	TO BE DETERMINED
FA	FREE AREA	THRU	THROUGH
FACP	FIRE ALARM CONTROL PANEL	T'STAT	THERMOSTAT
FD	FIRE DAMPER	TYP	TYPICAL
FLEX	FLEXIBLE	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR	WC	WATER COLUMN
FP	FIRE PROTECTION	WG	WATER GAUGE
FSD	COMBINATION FIRE AND SMOKE DAMPER	XFER	TRANSFER

GENERAL NOTES

1. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION AND ALL APPLICABLE LOCAL ORDINANCES.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., AND PAY ALL INCIDENTAL FEES, AS REQUIRED TO OBTAIN A PERMIT AND A PERMANENT CERTIFICATE OF OCCUPANCY.
3. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. CONFLICTS WHICH ARISE DUE TO LACK OF PROPER COORDINATION SHALL BE CORRECTED AT THE CONTRACTOR'S COST.
4. DESIGN INDICATED IS SCHEMATIC AND MAY NOT REFLECT ALL CONSTRAINTS IMPOSED BY ACTUAL PROJECT CONDITIONS. CONTRACTOR SHALL VISIT SITE AND REVIEW CONSTRUCTION DOCUMENTS (INCLUDING ALL TRADES) TO FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BID. CONTRACTOR'S BID SHALL INCLUDE ANY AND ALL COSTS REQUIRED TO REWORK THE DESIGN TO FIT WITHIN THE PHYSICAL CONSTRAINTS WHILE ACHIEVING THE OVERALL DESIGN INTENT.
5. COORDINATE LOCATION AND ROUTING OF ALL WORK WITH ELECTRICAL CONTRACTOR TO AVOID CONFLICTS. DO NOT INSTALL ANY MECHANICAL WORK WITHIN "DEDICATED SPACE" REQUIRED BY NATIONAL ELECTRICAL CODE TO ELECTRICAL GEAR.
6. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
7. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. ADDITIONAL WARRANTY SHALL APPLY WHERE SPECIFIED.
8. EQUIPMENT START–UP AND COMMISSIONING SHALL BE PERFORMED BY FACTORY–AUTHORIZED AGENTS ONLY. SUBMIT WRITTEN START–UP PROCEDURES TO OWNER FOR APPROVAL PRIOR TO PERFORMANCE OF START–UP ACTIVITIES. FINAL REPORTS SHALL BE APPROVED BY OWNER.
9. ALL PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH UL–LISTED SYSTEM APPROVED FOR THE APPLICATION.
10. FLASH AND SEAL ALL PENETRATIONS OF BUILDING EXTERIOR, WALLS AND ROOF WITH APPROVED SEALANT.
11. PROVIDE PERMANENT LABELS FOR ALL EQUIPMENT, CONTROLS, AND PIPING.

HVAC NOTES

1. EXCEPT WHERE OTHERWISE SPECIFIED, GENERAL DUCTWORK SHALL BE G90 GALVANIZED STEEL, LOCK–FORMING QUALITY, FABRICATED AND INSTALLED PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" AND CODE. DUCTWORK SHALL BE RATED FOR FAN OPERATING PRESSURE, BUT NOT LESS THAN 1" WG, AND SEALED TO CLASS B SEAL. DUCT SIZES SHOWN ARE NET FREE AREA DIMENSIONS, ADJUST SHEETMETAL SIZES FOR DUCT LINER AS REQUIRED.
2. DRYER VENT SHALL BE G90 GALVANIZED STEEL WITH ALL JOINTS AND SEAMS TAPED. DO NOT USE SCREWS OR ANY OTHER FASTENERS WHICH PROTRUDE INTO DUCT.
3. INSULATE ALL METAL DUCTWORK WITH 2", R–8 FIBERGLASS DUCT WRAP EXCEPT WHERE OTHERWISE SPECIFIED. PROVIDE 1", 1.5 PCF ACOUSTICAL FIBERGLASS DUCT LINER AT SUPPLY AND RETURN DUCTWORK FROM EQUIPMENT CONNECTION THRU FIRST 15 FEET OF DUCTWORK. DUCT LINER SHALL HAVE NEOPRENE COATING WITH ANTIMICROBIAL TREATMENT ON AIR SIDE.
4. FLEXIBLE DUCT SHALL BE UL 181 CLASS 1, STEEL WIRE HELIX WITH REINFORCED INNER LAYER, R–6 FIBERGLASS INSULATION, AND FOIL–FACED OUTER VAPOR BARRIER.
5. EXCEPT WHERE NOTED OTHERWISE, EACH SUPPLY AIR DEVICE SHALL HAVE MANUAL BALANCING DAMPER AT TAKE–OFF CONNECTION TO SUPPLY TRUNK DUCT. NECK DAMPERS SHALL BE PROVIDED IF, AND ONLY IF, THE TAKE–OFF CONNECTION IS CONCEALED BEHIND PERMANENT INACCESSIBLE CONSTRUCTION (E.G., HARD CEILINGS).
6. AIR DEVICES SHALL BE AS NOTED OR SCHEDULED. COORDINATE BORDER AND MOUNTING WITH SURFACE IN WHICH INSTALLED, REFER TO ARCHITECTURAL DRAWINGS. AIR DEVICES IN FINISHED SPACES SHALL BE FREE OF VISIBLE FASTENERS. COLOR AND FINISH SHALL BE APPROVED BY THE ARCHITECT.
7. COOLING COIL CONDENSATE DRAINAGE PIPING SHALL BE TYPE M COPPER WITH SOLDER JOINTS, SIZED AS NOTED, AND SLOPED AT NOT LESS THAN 1 PERCENT UNIFORM SLOPE.
8. PROVIDE UL 555 FIRE DAMPERS (UL 555S COMBINATION FIRE/SMOKE DAMPERS) AT ALL AIR DISTRIBUTION SYSTEM PENETRATIONS OF FIRE RATED (FIRE AND SMOKE RATED) ASSEMBLIES.
9. SUPPORT EQUIPMENT DIRECTLY FROM BUILDING STRUCTURE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE VIBRATION ISOLATION FOR ALL EQUIPMENT WITH ROTATING PARTS.
10. PROVIDE COMPLETE TESTING, ADJUSTING, AND BALANCING (TAB) REPORT FOR ALL MECHANICAL CONSTRUCTION SERVING AREAS UNDER THIS SCOPE OF WORK. TAB SHALL BE PERFORMED BY NEBB OR AABC CERTIFIED AGENT, USING PROCEDURES COMPLYING WITH CERTIFYING AUTHORITY. BALANCE ALL FLUID QUANTITIES TO WITHIN +/–5% OF DESIGN QUANTITIES INDICATED.

TESTING, ADJUSTING AND BALANCING

1. PROVIDE CERTIFIED TESTING, ADJUSTING, AND BALANCING (TAB) REPORT FOR ALL MECHANICAL CONSTRUCTION SERVING AREAS UNDER THIS SCOPE OF WORK. TAB SHALL BE PERFORMED BY NEBB OR AABC CERTIFIED AGENT, USING PROCEDURES COMPLYING WITH CERTIFYING AUTHORITY. SUBMIT FINAL REPORT TO ENGINEER FOR REVIEW AND APPROVAL.
2. REPORT SHALL INCLUDE NAME, CONTACT INFORMATION, AND PROOF OF CERTIFICATION FOR TAB AGENT.
3. FINAL BALANCE ALL QUANTITIES TO WITHIN +/–5% OF DESIGN. ADJUST FAN SPEED TO LOWEST POSSIBLE.
4. AT A MINIMUM, THE FOLLOWING SHALL BE CERTIFIED IN THE REPORT (DESIGN QUANTITIES AND FINAL, BALANCED QUANTITIES):
   - 4.1. MANUFACTURER, MODEL #, AND SERIAL # OF ALL EXISTING AND NEW EQUIPMENT.
   - 4.2. ELECTRICAL CHARACTERISTICS OF ALL EXISTING AND NEW EQUIPMENT.
   - 4.3. AIR CONDITIONING SYSTEM PERFORMANCE: UNIT SUPPLY AIR FLOW, UNIT OUTSIDE AIR FLOW, FAN INLET AND DISCHARGE PRESSURES, UNIT INLET AND DISCHARGE PRESSURES, FAN SPEED AND AMP DRAW, COOLING AND HEATING COIL ENTERING AND LEAVING TEMPERATURES (DRY BULB AND WET BULB), OUTSIDE AIR TEMPERATURE (DRY BULB AND WET BULB).
   - 4.4. AIR DISTRIBUTION: AIRFLOWS AT EACH AIR DEVICE, CONFIRMATION OF DIRECTIONAL ADJUSTMENT OF SUPPLY DIFFUSER PATTERN CONTROLLERS WHERE NOTED ON PLANS.
   - 4.5. DESCRIPTION OF ANY PROBLEMS NOTED DURING BALANCING.

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NORTH CAROLINA PROFESSIONAL SEAL 21285 ENGINEER KEITH S. MIKULKA
07/17/26

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ISSUES / REVISIONS

NO	DATE	DESCRIPTION

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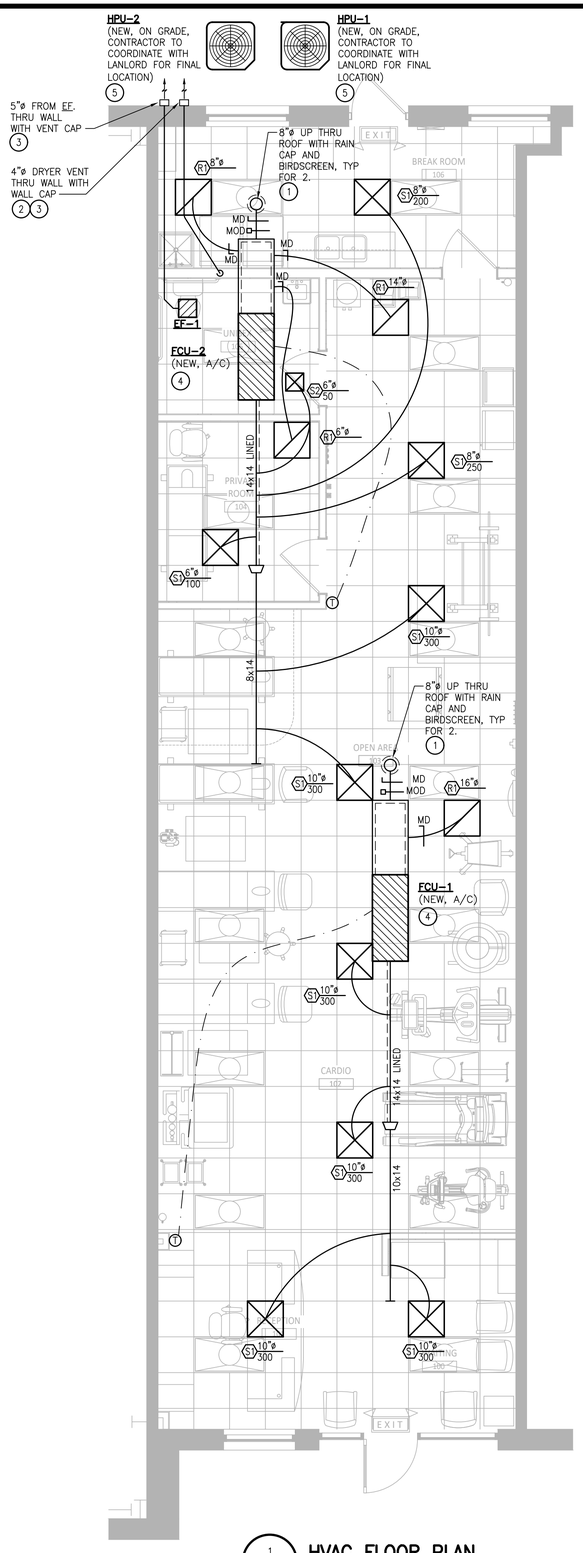
SHEET TITLE
HVAC SCHEDULE AND NOTE

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	
DRAWN BY:	TD
CHECKED BY:	KM

M0.1

FOR CONSTRUCTION

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Tel. (770) 953–1443
COA License Number C–3246



1 M1.1 **HVAC FLOOR PLAN**
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. COORDINATE ALL MECHANICAL CONSTRUCTION WITH OTHER TRADES TO AVOID CONFLICTS.
2. DUCT SIZES INDICATED ARE NET FREE AREA.

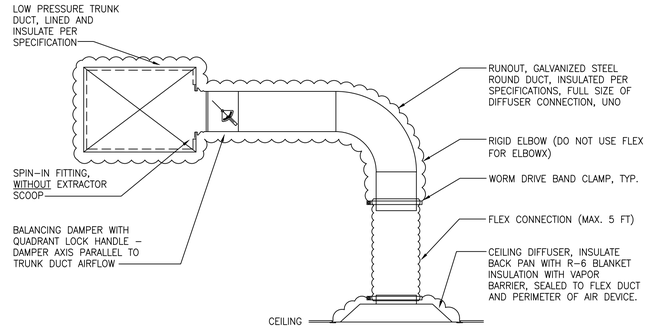
KEYED NOTES:

1. OA INTAKE SHALL BE MIN 10'-0" FROM RESTROOM EXHAUST, GAS VENT (FLUE), OR PLUMBING VENT TERMINATION, INCLUDING THOSE OF ADJACENT TENANTS (CONTRACTOR TO FIELD VERIFY).
2. DRYER VENT LENGTH IS APPROXIMATELY 28.5 FT (21 FT STRAIGHT DUCT INCL. VERTICAL PLUS THREE 4" SMOOTH RADIUS 90 DEGREE ELBOWS @ 2.5FT PER IMC CH 5)..
3. INSTALL DRYER VENT AND RESTROOM VENT MIN 10 FT ABOVE THE GROUND.
4. DISCHARGE CONDENSATE AT MOP SINK OR, IF REQUIRED BY AHJ, OUTSIDE ON SPLASH BLOCK.
5. MOUNT HEAT PUMP UNIT ON 4"H REINFORCED CONCRETE PAD.

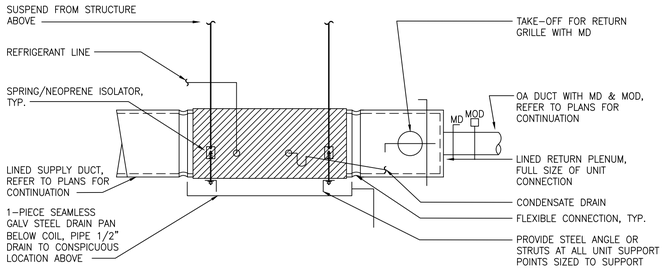
CONTRACTOR FIELD VERIFICATION

THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT REFLECT EXACT FIELD CONDITIONS OR CONSTRAINTS. WHILE REASONABLE EFFORTS HAVE BEEN MADE TO VERIFY THE EXISTING CONDITIONS, THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THESE PLANS.

THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING THE EXACT LOCATION, MANUFACTURER, MODEL NUMBER, SERIAL NUMBER, AND UTILITY REQUIREMENTS FOR ALL HVAC EQUIPMENT SERVING THIS SPACE. ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO BID. ALL COSTS TO MODIFY THE INSTALLATION TO ACCOMMODATE FIELD CONDITIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.



2 M1.1 **AIR DEVICE CONNECTION**
SCALE: NONE

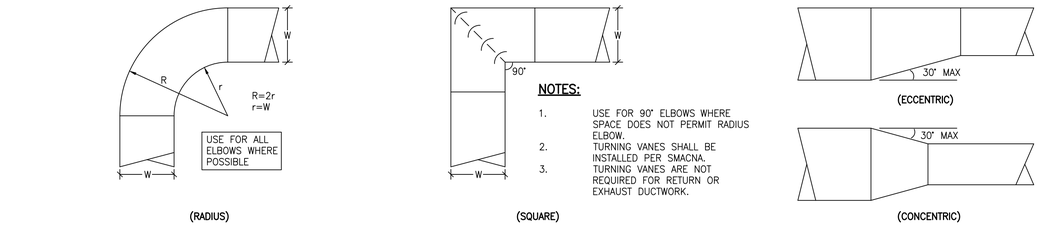


NOTES:

1 SUPPORT FURNACE FROM STRUCTURE WITH ALL THREAD ROD, EACH SIZED TO SUPPORT 200% OF THE UNIT OPERATING WEIGHT.

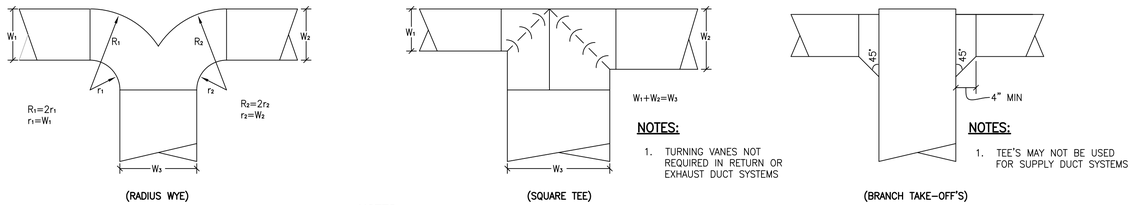
2 PROVIDE CROSS BRACING AS REQUIRED TO PREVENT UNIT FROM SWAYING.

3 M1.1 **FAN COIL UNIT**
SCALE: NONE



ELBOWS

TRANSITIONS



NOTES:

1. DETAILS ARE FOR GENERAL HVAC DUCTWORK ONLY, TYPE I KITCHEN EXHAUST DUCTWORK SHALL BE FABRICATED AND INSTALLED PER NFPA 96 AND CODE.

4 M1.1 **GENERAL DUCTWORK DETAILS**
SCALE: NONE

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ISSUES / REVISIONS

NO	DATE	DESCRIPTION

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SHEET TITLE
HVAC FLOOR PLAN

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	
DRAWN BY:	TD
CHECKED BY:	KM

M1.1

FOR CONSTRUCTION

PLUMBING GENERAL NOTES

1. FIXTURES AND EQUIPMENT ARE INDICATED ON PLUMBING SHEETS FOR GENERAL REFERENCE ONLY, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL FIXTURES AND EQUIPMENT.
2. ALL WORK SHALL BE BY LICENSED PLUMBER AND IN ACCORDANCE WITH APPLICABLE CODES.
3. PLUMBING WATER (COLD AND HOT) PIPING SHALL BE EITHER TYPE B PEX (WHERE APPROVED BY AUTHORITY HAVING JURISDICTION) WITH BRASS FITTINGS AND CRIMPED JOINTS, 100 PSIG RATED OR SCHEDULE 40 CPVC WITH SOLVENT WELD JOINTS. INSULATE HOT WATER PIPING CONTINUOUSLY WITH ELASTOMERIC FOAM PIPE INSULATION (1" FOR HW AND HWR) EXCEPT WHERE OTHERWISE SPECIFIED, PROVIDE CONTINUOUS SEAL AROUND ALL SEAMS AND JOINTS WITH INSULATION MANUFACTURER'S SEALING COMPOUND. PROVIDE 1/4-TURN BALL STOP VALVES AT FINAL CONNECTION TO FIXTURES, APPLIANCES, OR EQUIPMENT. ALL MATERIALS SHALL BE APPROVED FOR DOMESTIC WATER (POTABLE) SERVICE.
4. SANITARY DRAINAGE AND VENT PIPING SHALL BE DWV PVC WITH SOLVENT WELD JOINTS. PIPING 2-1/2" AND SMALLER SHALL BE SLOPED AT MINIMUM 2 PERCENT, PIPING 3" AND LARGER SHALL BE SLOPED AT MINIMUM 1 PERCENT. DRAIN PIPING UPSTREAM OF GREASE TRAP/INTERCEPTOR SHALL BE SLOPED AT MINIMUM 2 PERCENT, REGARDLESS OF PIPE SIZE. PROVIDE DRAINAGE PATTERN FITTINGS.
5. TRAP PRIMERS SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND HUB DRAINS, EXCEPT WHERE DRAIN RECEIVES A CONTINUOUS DISCHARGE AND WHERE AHJ APPROVES INSTALLATION WITHOUT TRAP PRIMER.
6. WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF BUILDING INSULATION ASSEMBLY.
7. PROVIDE SIGN DIRECTING ALL EMPLOYEES TO WASH HANDS.
8. SEAL AROUND EDGES OF ALL WALL-MOUNTED FIXTURES WITH APPROVED CAULK/SEALING COMPOUND.
9. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION AND ALL APPLICABLE LOCAL ORDINANCES.
10. CONTRACTOR SHALL OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., AND PAY ALL INCIDENTAL FEES, AS REQUIRED TO OBTAIN A PERMIT AND A PERMANENT CERTIFICATE OF OCCUPANCY.
11. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. CONFLICTS WHICH ARISE DUE TO LACK OF PROPER COORDINATION SHALL BE CORRECTED AT THE CONTRACTOR'S COST.
12. DESIGN INDICATED IS SCHEMATIC AND MAY NOT REFLECT ALL CONSTRAINTS IMPOSED BY ACTUAL PROJECT CONDITIONS. CONTRACTOR SHALL VISIT SITE AND REVIEW CONSTRUCTION DOCUMENTS (INCLUDING ALL TRADES) TO FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BID. CONTRACTOR'S BID SHALL INCLUDE ANY AND ALL COSTS REQUIRED TO REWORK THE DESIGN TO FIT WITHIN THE PHYSICAL CONSTRAINTS WHILE ACHIEVING THE OVERALL DESIGN INTENT.
13. THE BASIS-OF-DESIGN PRODUCTS WERE USED TO DETERMINE DIMENSIONS, INSTALLATION AND ACCESS CLEARANCES, SUPPORTS, ELECTRICAL SERVICE, CONNECTION ARRANGEMENTS, ETC. WHERE ALTERNATE PRODUCTS ARE PROVIDED, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL REQUIREMENTS AND RECTIFY ANY CONFLICTS AT THE CONTRACTOR'S COST.
14. ALL WORK SHALL BE INSTALLED TO AVOID CONFLICT WITH ELECTRICAL EQUIPMENT "DEDICATED SPACE" AS REQUIRED BY NEC AND LOCAL ORDINANCES. COORDINATE LOCATIONS OF ALL ELECTRICAL GEAR (DISTRIBUTION PANELS, TRANSFORMERS, SWITCHGEAR, ETC.) WITH ELECTRICAL CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION.
15. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
16. ALL MATERIALS AND EQUIPMENT SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO ORDERING. CONTRACTOR ASSUMES LIABILITY AND COSTS FOR ANY PRODUCT WHICH IS ORDERED PRIOR TO RECEIPT OF APPROVED SUBMITTALS.
17. ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. ADDITIONAL WARRANTY SHALL APPLY WHERE SPECIFIED.
18. EQUIPMENT START-UP AND COMMISSIONING SHALL BE PERFORMED BY FACTORY-AUTHORIZED AGENTS ONLY. SUBMIT WRITTEN START-UP PROCEDURES TO OWNER FOR APPROVAL PRIOR TO PERFORMANCE OF START-UP ACTIVITIES. FINAL REPORTS SHALL BE APPROVED BY OWNER.
19. ALL PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH UL-LISTED SYSTEM APPROVED FOR THE APPLICATION.
20. FLASH AND SEAL ALL PENETRATIONS OF BUILDING EXTERIOR, WALLS AND ROOF WITH APPROVED SEALANT.
21. ALL WORK INSTALLED WITHIN HVAC PLENUMS SHALL BE PLENUM RATED (25/50 FLAME SPREAD/SMOKE DEVELOPED) AND, WHERE REQUIRED BY THE LAHJ, SHALL BE NON-COMBUSTIBLE.
22. ALL EQUIPMENT SHALL BE NEW EXCEPT FOR EQUIPMENT SPECIFICALLY NOTED AS EXISTING TO REMAIN. CONTRACTOR SHALL TEST EXISTING EQUIPMENT FOR PROPER OPERATION AND REPORT CONDITION TO OWNER. ALL UNREPORTED EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED IF NOT FUNCTIONAL AT THE DATE OF BENEFICIAL OCCUPANCY. NEW EQUIPMENT SHALL BE UL OR ETL LISTED AND LABELED. GAS-FIRED EQUIPMENT SHALL ALSO BE AGA OR CSA LISTED AND LABELED. INSTALL ALL EQUIPMENT PER THESE DOCUMENTS, MANUFACTURER'S RECOMMENDATIONS, AND CODE REQUIREMENTS FOR SPECIFIC APPLICATION.
23. EXCEPT WHERE SPECIFIED OTHERWISE, MECHANICAL CONTRACTOR SHALL PROVIDE STARTERS AND ELECTRICAL DISCONNECTS FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
24. PROVIDE PERMANENT LABELS FOR ALL EQUIPMENT, CONTROLS, AND PIPING.
25. PROVIDE PRESSURE REDUCING VALVE IF LINE PRESSURE EXCEEDS 80 PSI, SET TO 60 PSI.
26. REMOVE ALL INACTIVE PLUMBING BACK TO ACTIVE MAINS, CAP, SEAL, AND INSULATE TO MATCH EXISTING.
27. PLUMBING FIXTURES ARE EXISTING TO REMAIN EXCEPT WHERE NOTED OTHERWISE. THOROUGHLY CLEAN TO LIKE-NEW APPEARANCE AND SERVICE VALVES, DRAINS AND FAUCETS TO ENSURE PROPER OPERATION.
28. SUPPORT ALL PIPING AS REQUIRED PER CODE AND MSS SP-69. RESTRAIN PIPING AGAINST LONGITUDINAL AND LATERAL MOVEMENT. SUPPORTS SHALL BE SECURED TO SUBSTANTIAL BUILDING STRUCTURE ONLY, DO NOT SUPPORT FROM OTHER PIPING, DUCTWORK, EQUIPMENT, OR CONDUIT. EXTERIOR SUPPORT SYSTEMS (STRUTS, CLAMPS, BOLTS AND HARDWARE) SHALL BE STAINLESS STEEL.
    - 28.1. SECURE WALL-MOUNTED PIPING WITH STEEL STRUT CHANNELS WITH PIPE CLAMPS, SECURE TO MASONRY WALL WITH EXPANSION ANCHORS OR DIRECTLY TO WALL FRAMING STUDS.
    - 28.2. SUPPORT SUSPENDED PIPING BY J-HOOK HANGERS, CLEVIS HANGERS, OR STEEL STRUT SUPPORT CHANNELS WITH PIPE CLAMPS.
    - 28.2. SUPPORT VERTICAL PIPING AT 5FT CENTERS WITH STEEL STRUT CHANNELS SECURED TO ROOF STRUCTURE, WALLS, OR FLOOR.
    - 28.3. SECURE HANGERS FROM ROOF STRUCTURE, WALLS, OR FLOOR.
    - 28.2. PROVIDE DIELECTRIC BUSHING AT HANGERS FOR ALL COPPER PIPES.
29. ALL PIPING BELOW ADA FIXTURES SHALL BE INSULATED WITH HANDI-LAV GUARD MODELS 102 AND 105 INSULATION KITS.

PLUMBING FIXTURE / EQUIPMENT SCHEDULE

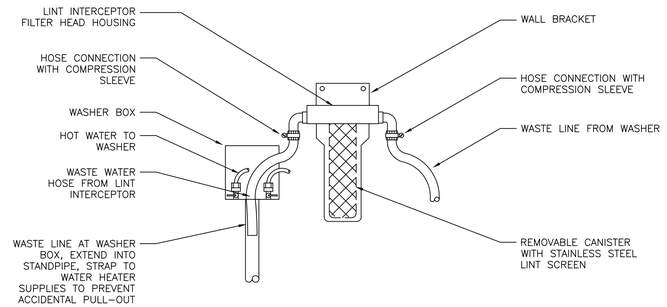
MARK	DESCRIPTION	PLUMBING REQUIREMENTS				BASIS OF DESIGN		ACCESSORIES/NOTES
		CW	HW	WASTE	VENT	MFGR	MODEL	
WC	WATER CLOSET, TANK BARRIER FREE	1/2	–	4	2	AMER. STD. OR EQUAL	"CADET"	1.28 GPF, FURNISH WITH OPEN FRONT, WHITE SEAT BY CHURCH OR OLSONITE CHROME 3/8" ANGLE TYPE SUPPLY. FLUSH TRIP LEVER SHALL BE ON WIDE SIDE OF WATER CLOSET.
LAV	LAVATORY WALL-HUNG BARRIER FREE	1/2	1/2	2	2	AMER. STD. OR EQUAL	"LUCERNE"	DELTA 501-WF SINGLE HANDLE FAUCET, GRID STRAINER, & CONCEALED ARM SUPPORTS; 0.5 GPM FLOW RESTRICTER, CHROME 17 GA. P-TRAP W/CHROME ANGLE TYPE SUPPLIES, AND TRUBRO TRAP WRAP KIT 102W; WATTS ASSE 1070 MIXING VALVE SET TO 110°F OUTLET
MS	MOP SINK – SQUARE	1/2	1/2	3	2	FIAT OR EQUAL	MSB 2424	830-AA FAUCET W/VAC BREAKER; CURB CAP & WALL GUARDS; HOSE W/BRACKET; MOP HANGER
SK	DOUBLE BOWL SS SINK	1/2	1/2	2	2	ELKAY OR EQUAL	LRAD332165	2.0 GPM; HI-ARC ADA FAUCET; DRAIN W/BASKET STRAINER, TAILPIECE, P-TRAP; ADA PIPE COVERS
VB	RECESSED VALVE BOX – WASHING MACHINE	1/2	1/2	2	2	IPS WATERTITE OR EQUAL	FR12 SERIES	1/4-TURN STOPS; ASSE 1010 WATER HAMMER ARRESTORS
EWC	ELECTRIC WATER COOLER	1/2	–	2	2	OASIS OR EQUAL	PG8ACSL	HI-LO SPLIT LEVEL; BARRIER FREE; REFRIGERATED; 8 GPH, 50F WATER; 1/4HP
LT	LINT INTERCEPTOR	–	–	1	–	ENVIRONMENTAL ENHANCEMENTS	LINT LUV-R	APPROX. 16"-18" ABOVE THE WASHING MACHINE, UNDER SHELF OR CABINET
WH-1	WATER HEATER	3/4	3/4	–	–	AO SMITH	DEL-20	20 GAL; 6.0kW, 208V/1PH; 120F OUTLET; VACUUM BREAKER; EASTMAN 60023 EXPANSION TANK; T&P RELIEF

PLUMBING LEGEND

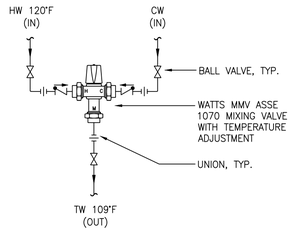
SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	SANITARY OR WASTE PIPING
	VENT PIPING
	CONNECTION TO EXISTING CONSTRUCTION
	SHUT-OFF VALVE (TYPE AS SPECIFIED)
	PRESSURE REDUCING VALVE
	CHECK VALVE
	STRAINER
	UNION
	PIPE REDUCER
	PIPE END CAP
	CLEANOUT
	P-TRAP
	CONTINUATION OF PIPING

PLUMBING ABBREVIATIONS

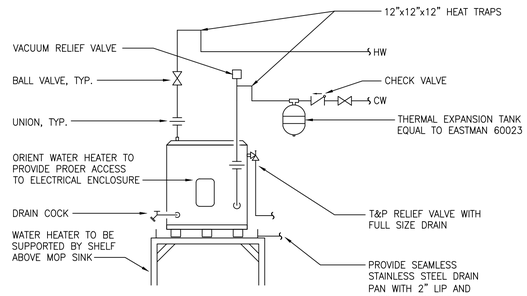
ABBREV.	DEFINITION
AAV	AIR ADMITTANCE VALVE
A/C	ABOVE CEILING
ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
B/F	BELOW FLOOR
B/G	BELOW GRADE
BTUH	BRITISH THERMAL UNITS PER HOUR
CO	CLEANOUT
CLG	CEILING
CONN	CONNECT(ION)
CONT	CONTINUATION
CW	DOMESTIC COLD WATER
DN	DOWN
EX.	EXISTING
GV	GATE VALVE
FD	FLOOR DRAIN
HW	DOMESTIC HOT WATER
HW(R)	DOMESTIC HOT WATER (RECIRCULATION)
IE	INVERT ELEVATION
KHW	KITCHEN HOT WATER (140°F)
KW	KITCHEN WASTE
O/H	OVERHEAD
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
SAN OR S.	SANITARY
TP	TRAP PRIMER
V.	VENT
W.	WASTE
WCO	WALL CLEAN OUT



1 P0.1 **LINT INTERCEPTOR DETAIL**
SCALE: NONE



2 P0.1 **THERMOSTATIC MIXING VALVE**
SCALE: NONE



NOTE:
1. ROUTE T&P RELIEF AND AUXILIARY DRAIN TO SANITARY SYSTEM DRAIN TO MOP SINK. TERMINATE WITH INDIRECT CONNECTION.
2. SHELF SHALL BE ABLE TO SUPPORT FULL WEIGHT OF WATER HEATER WHEN COMPLETELY FULL OF WATER.

3 P0.1 **ELECTRIC STORAGE WATER HEATER**
SCALE: NONE

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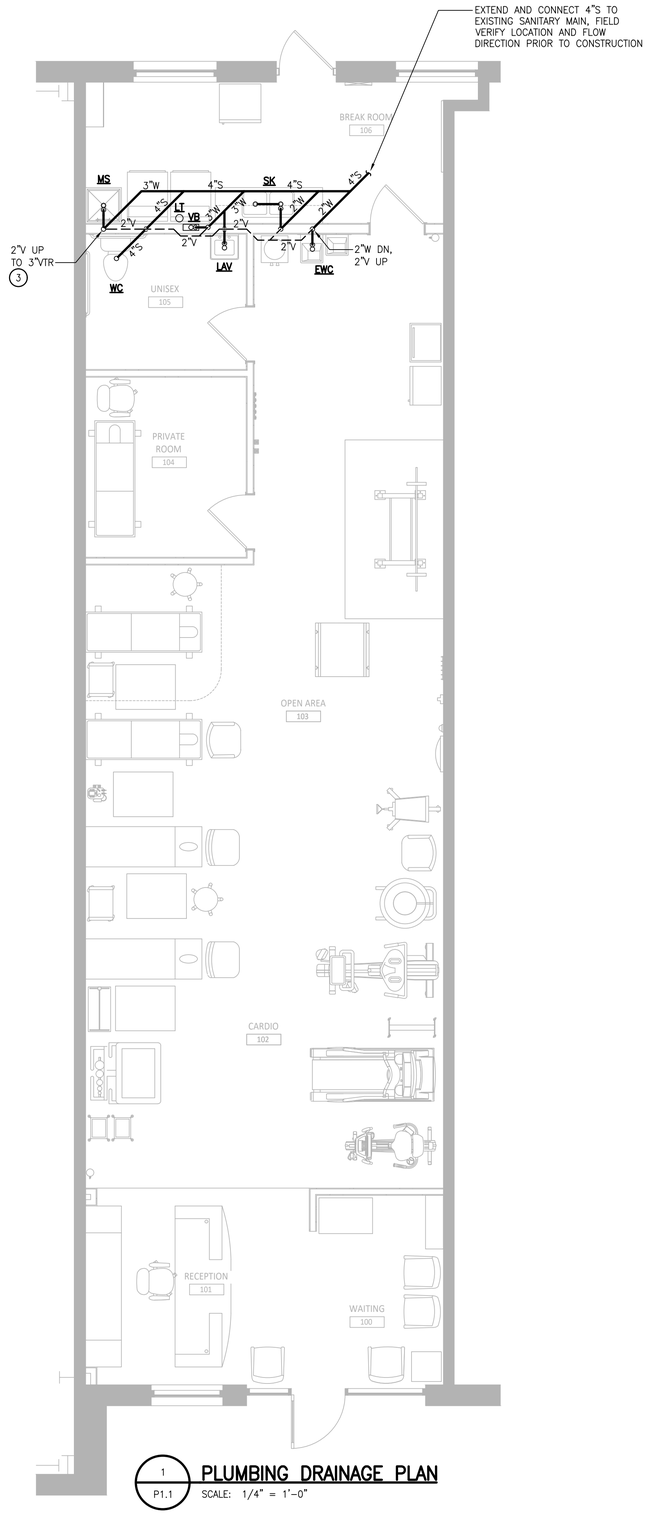
SHEET TITLE
PLUMBING GENERAL

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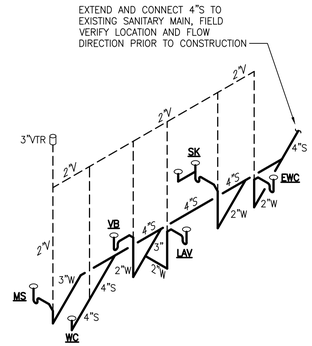
1 P1.1 **PLUMBING DRAINAGE PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

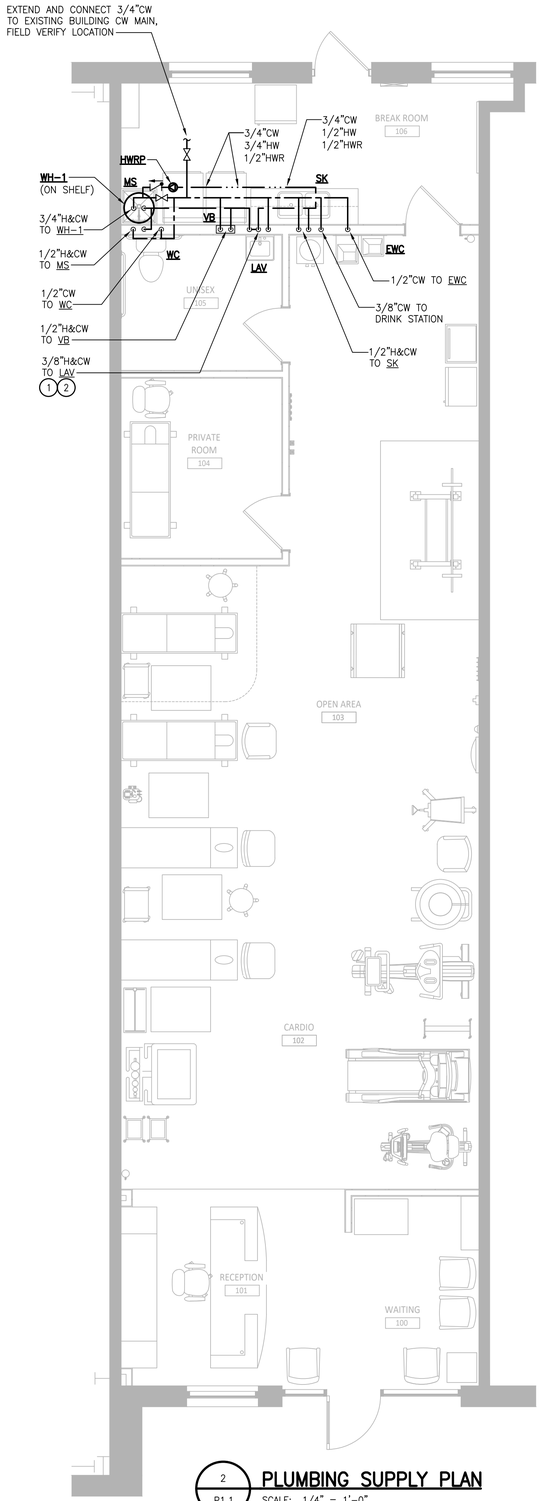
1. CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS PRIOR TO BID.
2. COORDINATE ALL MECHANICAL CONSTRUCTION WITH OTHER TRADES TO AVOID CONFLICTS.
3. CONFIRM LOCATIONS OF ALL EXISTING UTILITIES AND ADJUST ROUTING OF TENANT SYSTEMS AS REQUIRED.
4. EXISTING PLUMBING SERVICES (COLD WATER, HOT WATER, WASTE AND VENT) WHICH ARE NOT TO BE REUSED SHALL BE REMOVED BACK TO ACTIVE MAINS AND CAPPED. THERE SHALL BE NO "DEAD ENDS" LEFT IN PIPING SYSTEMS.

KEYED NOTES:

1. PROVIDE ASSE 1070 TEMPERING VALVE, SET TO 110°F OUTLET, AT THE LAVATORY.
2. ROUTE HW MAIN DOWN IN WALL TO WITHIN 2 FT OF LAVATORY CONNECTION, MAX LENGTH OF 3/8" RUNOUT TO LAVATORY SHALL BE 3 FT.
3. VENTS SHALL BE MIN 10'-0" FROM ANY OUTDOOR AIR INTAKE.



3 P1.1 **PLUMBING WASTE RISER DIAGRAM**
SCALE: 1/4" = 1'-0"



2 P1.1 **PLUMBING SUPPLY PLAN**
SCALE: 1/4" = 1'-0"

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SHEET TITLE
PLUMBING SUPPLY AND DRAINAGE PLAN

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CHECKED BY:	KM

P1.1

FOR CONSTRUCTION

DIVISION 16

ELECTRICAL

16010 GENERAL PROVISIONS
16012 CODES AND STANDARDS
16020 ELECTRICAL SYSTEMS SCHEDULE
16030 TESTS
16100 BASIC METHODS AND MATERIALS
16110 RACEWAYS
16120 CONDUCTORS
16130 OUTLET BOXES AND DEVICES
16134 PANELBOARDS AND MAIN DISTRIBUTION
16150 MOTOR AND MOTOR CONTROLS
16190 SUPPORTING DEVICES
16450 GROUNDING
16480 FEEDER CIRCUITS
16485 BRANCH CIRCUITS
16500 LIGHTING – INTERIOR
16600 SPECIAL SYSTEMS – COMPUTER (P.O.S. SYSTEM)
16700 SOUND SYSTEMS
16740 TELEPHONE
16900 CONTROLS AND INSTRUMENTATION

DIVISION 16 ELECTRICAL

16010 GENERAL PROVISIONS

.01 EXCEPT WHERE PORTIONS OF THESE SPECIFICATIONS ARE MORE EXACTING, WORK OF THIS DIVISION SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE GENERAL SCOPE OF WORK. BEFORE SUBMITTING PROPOSAL, EXAMINE ALL DRAWINGS RELATING TO THIS WORK, VERIFY ALL GOVERNING CONDITIONS AT THE SITE, DETERMINE EXACT EXTENT OF WORK REQUIRED FOR THE LOCAL UTILITY COMPANIES; BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK REQUIRED AND ITS RELATION TO WORK OF OTHER TRADES. NO CONSIDERATION WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS OF THE MATERIALS TO BE FURNISHED OR WORK TO BE DONE, IT BEING UNDERSTOOD THAT THE SUBMISSION OF A PROPOSAL IS AN AGREEMENT TO ALL CONDITIONS REFERRED TO HEREIN OR INDICATED ON THE DRAWINGS.

.02 REVIEW THE DRAWINGS AND SPECIFICATIONS OF ALL TRADES, PARTICULARLY THOSE SECTIONS DESCRIBING ELECTRICALLY OPERATED EQUIPMENT AND BECOME FAMILIAR WITH WORK CALLED UPON THEREIN TO DO. AT THE CONCLUSION OF THE WORK, BE RESPONSIBLE FOR THE PROPER WIRING AND FUNCTIONING OF ALL ELECTRICALLY OPERATED EQUIPMENT FURNISHED AND/OR INSTALLED UNDER THIS CONTRACT.

.03 NO EXTRA COMPENSATION WILL BE PAID FOR CONDITIONS EXISTING BEFORE THE CONTRACT IS SIGNED. THIS INCLUDES BOTH EXISTING SITE CONDITIONS AND ARCHITECTURAL CONDITIONS OF THE NEW BUILDING.

.04 THE CONTRACTOR SHALL OBTAIN ALL PERMITS FOR HIS WORK UNDER THE CONTRACT, AND SHALL PAY ALL EXPENSES IN CONNECTION THEREWITH. HE SHALL BE RESPONSIBLE FOR ALL NOTICE TO THE INSTALLATION AUTHORITIES AND TO THE ARCHITECT/ENGINEER SO THAT THE WORK MAY BE INSPECTED BEFORE COVERING. THE CONTRACTOR SHALL FURNISH OWNER WITH CERTIFICATES OF INSPECTION.

.05 NO DEVIATION FROM DRAWING AND/OR SPECIFICATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM ARCHITECT/ENGINEER.

.06 ALL PERMIT FEES, TEMPORARY SERVICE, INSPECTION FEES AND OTHER REQUIREMENTS SHALL BE PAID AND COMPLETED BY THE ELECTRICAL CONTRACTOR. EVIDENCE OF COMPLETION WILL BE APPARENT PRIOR TO FINAL ACCEPTANCE OF WORK. ALL CERTIFICATES SHALL BE FORWARDED TO OWNER.

.07 THE WORK OF THIS CONTRACTOR SHALL CONSIST OF FURNISHING EVERYTHING NECESSARY FOR A COMPLETE OPERATING ELECTRICAL SYSTEM, IN STRICT ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. IT INCLUDES ALL SUCH WORK WHETHER LISTED UNDER ANY OTHER DOCUMENT FORMING A PART OF THE SPECIFICATION AND CONTRACT. HIS WORK, IN THE MAIN, SHALL INCLUDE, BUT IS NOT RESTRICTED TO, THE FOLLOWING ITEMS.

A. FURNISHING A TEMPORARY SERVICE FOR THE USE OF ALL TRADES DURING CONSTRUCTION, AS REQUIRED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PAY UTILITY USE COSTS UP TO TIME OF OCCUPANCY.
B. FURNISHING A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM FOR LIGHT AND POWER, FROM POINT OF SERVICE THROUGH DISTRIBUTION SYSTEM TO PANELS, AND TO ALL OUTLETS, EQUIPMENT AND DEVICES AS INDICATED ON THE DRAWINGS.
C. ELECTRICAL CONNECTIONS FOR OTHER TRADES.
D. CONNECTION OF ALL MOTORS, STARTERS, CONTROLS, PILOT DEVICES OR DISCONNECTS, WHETHER FURNISHED BY THIS CONTRACTOR, OWNER, OTHER SUBCONTRACTOR OR OTHER PARTIES SUCH AS EQUIPMENT SUPPLIERS.
E. ALL ELECTRICAL WORK INCIDENTAL TO OTHER TRADES FOR A COMPLETE WORKING INSTALLATION OF THEIR ELECTRICALLY DRIVEN EQUIPMENT.
F. FURNISHING AND INSTALLING ALL CONDUCTORS AND RACEWAYS FOR ELECTRICAL EQUIPMENT.
G. FURNISHING, INSTALLING AND LAMPING OF ALL FLOODLIGHTS, FLOODLIGHT POLES AND LIGHTING FIXTURES AS SCHEDULED ON THE DRAWINGS AND IN ACCORDANCE WITH ARCHITECTURAL DETAILS. FURNISHING ALL LAMPS, FLUORESCENT, H.I.D., AND INCANDESCENT.
H. CONNECTING OF ALL AIR CONDITIONING, HEATING, PUMPING, VENTILATION AND EXHAUST FAN CONTROLS AS SPECIFICALLY CALLED FOR ON THE DRAWINGS AND SPECIFIED HEREIN.
I. TEMPORARY AND EMERGENCY WIRING AS REQUIRED.
J. FURNISHING AND INSTALLING ALL AUXILIARY AND COMMUNICATION SYSTEMS AS INDICATED ON THE DRAWINGS.
K. FURNISHING AND INSTALLING ALL PANELS, METERS, ETC., AS SHOWN ON THE DRAWINGS.
L. FURNISH AND INSTALL TRANSFORMERS FOR ALL EQUIPMENT WHETHER FURNISHED BY THIS CONTRACTOR, THE OWNER, OR OTHER PARTIES, WHERE SUCH EQUIPMENT HAS A VOLTAGE RATING UNSUITABLE TO THE SYSTEM IN WHICH IT IS APPLIED.
M. SHOP DRAWINGS: SUBMIT, AT ONE TIME, SHOP AND DETAIL DRAWINGS, FACTORY CERTIFIED PRINTS AND MATERIALS LISTS FOR THE FOLLOWING ITEMS: PANELBOARDS, SAFETY SWITCHES WIRING DEVICES, LIGHTING FIXTURES. ALL SUBMITTALS MUST BE IDENTIFIED BY SPECIFICATION SECTION AND PARAGRAPH NUMBER AND/OR DRAWING NUMBER AND SCHEDULED NUMBER AND NAME ALONG WITH THE MANUFACTURE'S NAME.
N. MANUALS AND CHARTS: FURNISH OWNER ALL OPERATING INSTRUCTIONS, MAINTENANCE INSTRUCTIONS, LITERATURE AND INFORMATION PERTAINING TO ALL EQUIPMENT.

16012 CODES AND STANDARDS

.01 THE WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE. NOTHING CONTAINED IN THESE SPECIFICATIONS OR DRAWINGS SHALL BE SO CONSTRUED AS TO CONFLICT WITH ANY LOCAL, MUNICIPAL, STATE, UTILITY COMPANY AND NATIONAL BOARD OF FIRE UNDERWRITERS REGULATIONS GOVERNING THE INSTALLATION OF THE WORK SPECIFIED HEREIN. ALL SUCH LAWS, ORDINANCES, AND REGULATIONS, WHERE THEY APPLY TO THIS WORK, ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS. ALL SUCH REQUIREMENTS SHALL BE SATISFIED AT NO ADDITIONAL EXPENSE TO THE OWNER.

16020 ELECTRICAL SYSTEMS SCHEDULE

.01 REFER TO THE DRAWINGS FOR AIR CONDITIONING WIRING DIAGRAM, PANEL BOARD SCHEDULE, RISER DIAGRAM, EQUIPMENT SCHEDULE, ELECTRICAL SYSTEMS REQUIREMENTS, ETC.

16030 TESTS

.01 PROVIDE ALL NECESSARY INSTRUMENTS AND SPECIAL APPARATUS TO CONDUCT ANY TEST THAT MAY BE REQUIRED TO INSURE THE SYSTEM IS FREE OF ALL IMPROPER GROUNDS AND SHORT CIRCUITS AND THAT ALL FEEDERS ARE PROPERLY BALANCED. THE SYSTEM INSTALLED SHALL BE CHECKED FOR QUALITY, CAPACITY, AND COMPLETENESS TO CONFORM WITH THE FULL REQUIREMENTS AND INTENT OF THE DRAWINGS AND SPECIFICATIONS.

16100 BASIC METHODS AND MATERIALS

.01 ELECTRICAL MATERIALS, APPLIANCES, EQUIPMENT DEVICES FOR WHICH THERE ARE UNDERWRITER'S LABORATORIES STANDARD REQUIREMENTS SHALL HAVE LABELS ATTACHED TO INDICATE COMPLIANCE WITH THOSE REQUIREMENTS. WHERE MATERIALS DO NOT BEAR SUCH A LABEL, CERTIFICATE OF COMPLIANCE SHALL BE FURNISHED.

.02 ALL MATERIALS SHALL BE NEW AND OF FIRST QUALITY, FREE OF DEFECTS.

.03 SUBMIT MANUFACTURER'S DATA AND CATALOG CUTS ON ALL ITEMS INCLUDED IN THIS SECTION PRIOR TO COMMENCING WORK.

16110 RACEWAYS

.01 ALL CONDUCTORS SHALL BE CONTAINED IN RACEWAYS.

.02 ALL CONDUIT RACEWAYS IN OR BELOW FLOOR SLAB AND RUN BELOW EXTERIOR FINISHED GRADE SHALL BE P.V.C. EXCEPT FOR ELLS AND RISERS WHICH SHALL BE RIGID GALVANIZED CONDUIT. CONDUIT RISERS SHALL RUN UP 6" ABOVE GROUND FLOOR SLAB WHEN CONCEALED AND 48" ABOVE GROUND FLOOR SLAB WHEN EXPOSED ON WALL. ALL RIGID GALVANIZED CONDUIT RUN BELOW SLAB OR FINISHED EXTERIOR GRADE SHALL BE PAINTED WITH TWO (2) COATS OF BITUMASTIC PAINT. THIS PAINTING SHALL BE APPLIED TO CONDUIT UP TO A POINT 2" ABOVE FLOOR SLAB. CONDUITS RUN BELOW FLOOR SLAB SHALL HAVE A MINIMUM COVER OF 12" AND THOSE RUN BELOW EXTERIOR FINISHED GRADE SHALL HAVE A MINIMUM COVER OF 24" IN NON-VEHICLE TRAFFIC AREAS AND 30" IN VEHICLE TRAFFIC AREAS. INSTALLATION OF P.V.C. CONDUIT IN TRENCHES SHALL HAVE 2" OF CLEAN SAND FILL ALL AROUND THEN BACKFILL TRENCH WITH FINE BACKFILL (NO ROCKS LARGER THAN 1/4" DIAMETER). CONTRACTOR SHALL FILL EXTERIOR TRENCHES TO WITHIN 6" OF TOP (FINISHED GRADE) THEN LAY A YELLOW RIBBON TAPE (USED IN INDUSTRY FOR THIS PURPOSE) ALONG TRENCH, THEN FINISH BACKFILL.

.03 RIGID CONDUIT SHALL BE HOT-DIPPED GALVANIZED, INCLUDING THREADS. P.V.C. SHALL BE SCHEDULE 40.

.04 FLEXIBLE METALLIC CONDUIT (GREENFIELD) SHALL BE USED FOR ALL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT, BUT IN LENGTHS NOT TO EXCEED LAST 18" OF RUN. P.V.C. JACKETED FLEXIBLE METAL CONDUIT SHALL BE USED IN ALL EXPOSED LOCATIONS.

.05 ELECTRICAL METALLIC TUBING (EMT) MAY BE USED FOR ALL PURPOSES EXCEPT AS INDICATED ABOVE. ALL FITTINGS SHALL BE STEEL.

.06 ALL RACEWAYS SHALL BE RUN CONCEALED IN FINISHED AREAS UNLESS NOTED.

.07 WHERE EXPOSED RACEWAYS ARE ALLOWED OR INDICATED, THEY SHALL PRESENT A NEAT APPEARANCE, AND ALL RUNS BOTH EXPOSED AND CONCEALED SHALL BE PARALLELED OR PERPENDICULAR TO THE BUILDING LINES AND TO EACH OTHER WITHOUT INTERFERENCE WITH OTHER TRADES OR EQUIPMENT. SUPPORTS TO BE ONE (1) HOLE CAST STRAPS, KINDORF OR EQUAL SURFACE OR TRAPEZE HANGERS, SPLIT HANGERS WITH APPROPRIATE ROD HANGERS AND FITTINGS. NO PERFORATED STRAP IRON.

.08 ALL RACEWAYS SHALL LAY FLAT TO RUNNING SURFACES AND SHALL BE OFFSET WHERE ENTERING BOXES, ETC.

.09 DURING CONSTRUCTION, ALL OPEN ENDS OF CONDUIT SHALL BE KEPT PLUGGED OR CAPPED. USE T&B 1470 SERIES PLUGS.

16120 CONDUCTORS

.01 ALL CONDUCTORS SHALL BE MINIMUM 98 % CONDUCTIVITY COPPER.

.02 ALL WIRE AND CABLE SHALL HAVE INSULATION TYPE AS LISTED BELOW.

.03 ALL BRANCH CIRCUIT AND FEEDER WIRING SHALL BE COLOR CODED THROUGHOUT. (SEE GENERAL NOTES ON DRAWINGS)

.04 NO WIRE SMALLER THAN #12 SHALL BE USED EXCEPT FOR CONTROL WIRING.

.05 BRANCH CIRCUIT RUNS LONGER THAN 100 FEET FROM PANEL TO FIRST OUTLET SHALL BE RUN WITH #10 WIRE.

.06 ALL INSULATION SHALL BE RATED FOR 600V UNLESS OTHERWISE NOTED.

.07 PARTICULAR CARE SHALL BE EXERCISED IN THE JOINING OF THE BRANCH CIRCUIT COMMON NEUTRALS.

.08 CONDUCTOR TYPES:

A. COMBINATION TYPE "THHN/THWN" FOR GENERAL USE.
B. TYPE "THW" FOR THE USE IN ALL SIZES #6 AND ABOVE.
C. BRANCH CIRCUIT WIRE MAY BE RUN IN FIXTURE CHANNELS (FLUOR.).
D. ALUMINUM CONDUCTORS NOT ALLOWED ON THIS PROJECT.

.09 CONDUCTOR INSTALLATION SIZES:

A. SIZES SHOWN ON DRAWINGS ARE MINIMUM AND SHALL NOT BE DECREASED UNDER ANY CIRCUMSTANCES.
B. CHANGES IN EQUIPMENT FURNISHED BY OTHERS MAY REQUIRE CHANGES IN CONDUCTOR SIZES; IN SUCH CASE, THE CONTRACTOR SHALL NOTIFY THE OWNER.
C. BRANCH CIRCUITS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. CONDUCTOR SIZES SHALL BE AS NOTED IN THE EQUIPMENT SCHEDULES AND/OR PANEL LISTINGS.
D. CONDUCTORS USED FOR WIRING OF MOTOR CONTROLS MAY BE #14 AWG UNLESS NOTED ON PLANS.

.10 CONDUCTORS INSTALLATION JOINTS:

A. JOINTS: BRANCH CIRCUIT SPLICES SHALL UTILIZE (SCOTCH LOKS) WIRE NUTS.
B. NO JOINTS OR TAPS WILL BE ALLOWED IN FEEDER RUNS, EXCEPT IN JUNCTION OR PULL BOXES.
C. ALL FEEDER SPLICES AND TERMINATION SHALL BE MADE MECHANICALLY USING COMPRESSION TYPE SLEEVES OR LUGS AND CONNECTION TO PANELS AND SWITCHES. BURNDY OR T&B (HYPRESS) EQUIPMENT IS APPROVED – HYLINK – HYLUG.
D. INSULATION RESISTANCE OF JOINTS SHALL BE EQUAL TO OR GREATER THAN THAT OF THE CONDUCTORS JOINED – COVERING SHALL BE SCOTCH #33 TAPE OVER HALF-LAPPED COVERING OF RUBBER TAPE.

.11 CONDUCTORS INSTALLATION METHODS:

A. NO CONDUCTORS SHALL BE INSTALLED UNTIL ALL ROUGH WORK BY OTHER TRADES IS IN PLACE AND ROOF DECKS ARE IN PLACE.
B. AT EACH OUTLET, A LOOP OF WIRE NOT LESS THAN 8 INCHES IN LENGTH SHALL BE LEFT FOR CONNECTION TO FIXTURES AND/OR OTHER DEVICES.
C. ALL CONDUCTORS SHALL BE CONTAINED IN RACEWAYS.
D. ALL RACEWAYS SHALL BE THOROUGHLY SWABBED OUT TO REMOVE MOISTURE BEFORE WIRE OR CABLES ARE DRAWN INTO PLACE.

.12 UNDERSLAB SERVICE: ELECTRICAL CONDUIT PASSING BELOW THE "DINING ROOM" TO THE EXTERIOR SHALL BE SPACED OR PLACED LOW ENOUGH IN THE CONCRETE FLOOR SLAB TO AVOID DAMAGE BY CORE DRILLING FOR SEATING INSTALLATION. SEE INTERIOR DESIGN DRAWINGS.

.13 ALL P.V.C. CONDUITS SHALL CONTAIN ALL GREEN EQUIPMENT GROUND WIRE AS PER N.E.C.

16130 OUTLET BOXES AND DEVICES

.01 ALL WIRING DEVICES SHALL BE FURNISHED IN ACCORDANCE WITH DRAWINGS. SWITCH PLATES ARE TO BE PLASTIC WITH FINISH TO MATCH DEVICE EXCEPT STAINLESS STEEL SHALL BE USED IN RESTROOMS (WOMEN'S AND MEN'S), KITCHEN, & SIMILAR AREAS.

.02 OUTLET BOXES SHALL BE GALVANIZED STAMPED STEEL, FOUR (4) INCHES SQUARE, 1-1/2 INCHES DEEP, STEEL CITY #52151 FOR GENERAL USE. LARGER BOXES SHALL BE USED WHERE REQUIRED TO PREVENT UNDUE CROWDING OF WIRES. CONDUIT TYPE GANGABLE BOXES STEEL CITY "G" SHALL BE USED FOR MULTIPLE SWITCH ASSEMBLIES. SIZE AND DEPTH SHALL BE AS REQUIRED BY NATIONAL ELECTRIC CODE AND AS REQUIRED BY THE SPECIFIC DEVICES. BOX COVERS AND PLASTER RINGS ARE TO BE USED WHERE REQUIRED TO INSURE ASSEMBLY FINISHING FLUSH WITH SURFACE AREA.

A. WHERE EXPOSED WIRING IS DONE, CROUSE-HINDS FS BOXES WITH DS SERIES COVERS SHALL BE USED WHERE EXPOSED TO WEATHER, OTHERWISE FOUR (4) INCH BOXES AND FINISH COVERS.
B. SIZES SHOWN ABOVE ARE MINIMUM ONLY AND SHALL BE INCREASED WHERE NECESSARY DUE TO THE SIZE OF THE DEVICES TO BE CONTAINED.
C. SYMBOLS ON DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY UNLESS EXACT LOCATIONS ARE SPECIFIED ON THE PLANS. VERIFY LOCATIONS WITH ARCHITECTURAL DETAILS.
D. PROPERLY CENTER OUTLETS IN PANELING OR OTHER ARCHITECTURAL FEATURES AS INDICATED ON THE ARCHITECTURAL PLANS.
E. CLEAR TRIM AND CORNERS BY A MINIMUM OF FOUR (4) INCHES WHERE POSSIBLE.
F. MOUNT ALL BOXES SO THAT COVERS AND PLATES WILL MOUNT FLUSH WITH THE WALLS AND CEILING FINISHED PANELS.
G. FURNISH AND INSTALL PLASTER RINGS WHERE REQUIRED. FURNISH SURFACE COVERS, FOR EXPOSED WORK.
H. ALL FIXTURE OUTLETS SHALL BE EQUIPPED WITH "NO-BOLT" TYPE OF FIXTURE STUDS OF SUFFICIENT SIZE TO SUPPORT THE FIXTURE AND/OR DEVICE LOADS.
I. FIXTURE HANGING SYSTEMS TO BE ALL METALLIC.
J. CLOSE ALL OUTLETS DURING THE COURSE OF ROUGH CONSTRUCTION, CONCRETING AND PLASTERING WITH KRAFT PAPER, EXCELSIOR OR SLIP-ON BLANK METAL PLATES. THE USE OF NEWSPAPER IS NOT PERMISSIBLE FOR THIS PURPOSE.
K. HEIGHTS OF OUTLETS: UNLESS SPECIFICALLY NOTED OTHERWISE, ALL WALL OUTLETS SHALL BE MOUNTED AT THE FOLLOWING HEIGHTS, MEASURED FROM THE FINISHED FLOOR TO THE CENTER OF THE OUTLET BOX: SWITCHES-48 INCHES; RECEPTACLES-18 INCHES; TELEPHONE OUTLETS-12 INCHES. THE DIMENSIONS GIVEN ABOVE ARE TO BE USED TO COVER THE USUAL INSTALLATION DETAILS OF THE OUTLETS INVOLVED. HOWEVER, THE CONTRACTOR IS TO REFER TO ARCHITECTURAL AND EQUIPMENT DETAILS FOR THE EXACT LOCATION OF ALL OUTLETS BEFORE INSTALLATION OF SAME. MEASUREMENTS ON THE DRAWINGS, OWNER'S INSTRUCTIONS AND DETAIL MEASUREMENTS TAKE PRECEDENCE.
L. ALL WIRING DEVICES TO BE SPECIFICATION GRADE.
N. PROVIDE GASKETS ON W.P. COVERS AND BLANK PLATES.

16134 PANELBOARDS AND MAIN DISTRIBUTION

.01 PANEL CABINETS:

A. CABINETS SHALL BE CONSTRUCTED OF ZINC COATED SHEET STEEL IN ACCORDANCE WITH UL AND NEMA STANDARDS FOR CABINETS, BOXES AND ASSEMBLY.
B. A DIRECTORY HOLDER WITH GLASS COVER AND METAL FRAME SHALL BE FURNISHED ON THE INSIDE OF EACH DOOR. PANEL DIRECTORIES SHALL BE TYPED. HOLDER AND FRAME SHALL BE OF SUITABLE SIZE TO PROPERLY LIST CIRCUIT DESIGNATIONS. PROVIDE FLUSH, STAINLESS STEEL LOCK IN DOOR – DEAD FRONT PANEL COVERING BUS & CIRCUIT BREAKER ASSEMBLY TO BE ONE (1) PIECE.
C. PANELS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS.

.02 PANEL BOARDS AND CIRCUIT BREAKERS:

A. INDIVIDUAL CIRCUIT BREAKERS SHALL BE CALIBRATED AT THE FACTORY, SEALED TO PREVENT TAMPERING, SIZE AND FRAME AS INDICATED ON THE DRAWINGS.
B. MULTI-POLED BREAKERS SHALL BE OF THE COMMON TRIP TYPE, SIZE AND FRAME AS INDICATED ON THE DRAWINGS.
C. PROVIDE SHUNT TRIP ON MAIN CIRCUIT BREAKER WHERE REQUIRED BY LOCAL CODE.
D. ACCESSORIES SHALL BE FURNISHED AS INDICATED.
E. ALL BUSSES SHALL BE AS PER MANUFACTURER'S STANDARD.
F. NEUTRAL BAR SHALL BE MOUNTED OPPOSITE THE MAIN LUGS AND SHALL HAVE NUMBERED TERMINALS FOR CONNECTION.
G. PROVIDE GROUND BUS AS CALLED FOR ON DRAWINGS.

.03 SAFETY SWITCHES:

A. SAFETY SWITCHES SHALL BE TYPE HD, FUSIBLE OR NON-FUSIBLE AS INDICATED ON THE DRAWINGS, IN THE SIZES SHOWN. ENCLOSURES SHALL CONFORM TO LOCATION. (NEMA 1 INTERIOR, NEMA 3R EXTERIOR).
B. ALL SWITCHES SHALL BE FURNISHED WITH THE NECESSARY NUMBER OF POLES.
C. SWITCHES SHALL BE INSTALLED WHERE REQUIRED WHETHER SPECIFICALLY CALLED FOR OR INFERRED BY LOCATION.
D. WEATHERPROOF SAFETY SWITCHES MAY BE NEMA 3R EXTERIOR.
E. ACCEPTABLE MANUFACTURERS ARE: SQUARE "D", G.E., WESTINGHOUSE, AND CUTLER-HAMMER.

.04 MARKING AND IDENTIFICATION:

A. ALL SWITCHES, PANELBOARDS, CONTROLLERS, CONTROL PANELS, TIME SWITCHES, CONTACTORS, TELEPHONE AND COMMUNICATION CABINETS SHALL BE CLEARLY AND PERMANENTLY LABELED IN A NEAT, ORDERLY AND SYSTEMATIC MANNER.
B. IDENTIFICATION SHALL CLEARLY DESIGNATE DEVICES AND EQUIPMENT AS TO USAGE.
C. PANELBOARDS AND CABINETS SHALL BE MARKED IN THE SAME DESIGNATION AS ON THE DRAWINGS USING WHITE LETTERS ON BLACK PLATES, SCREWED TO DOORS OR COVERS.
D. CONDUCTORS IN MULTIPLE CONDUCTOR RACEWAYS, GUTTERS, JUNCTION OR PULL BOXES, CABINETS AND SIMILAR LOCATIONS SHALL BE CLEARLY AND PERMANENTLY IDENTIFIED AS TO ELECTRICAL CHARACTERISTICS, SYSTEM DESIGNATION, SOURCE AND DESTINATION.
E. CONDUCTORS SHALL BE MARKED WITH PREPRINTED ADHESIVE MARKERS AS MANUFACTURED BY W.H. BRADY CO., OR THOMAS & BETTS.
F. WHERE PREPRINTED MARKERS ARE NOT AVAILABLE WITH THE PROPER DESIGNATION,1-1/4 INCH DIAMETER PUNCHED BRASS DISCS SHALL BE USED.

16485 BRANCH CIRCUITS

.01 PROVIDE ALL WIRING AND CONNECTIONS TO OUTLETS AND FIXTURES AS INDICATED ON DRAWINGS AND IN SCHEDULES.

16150 MOTORS AND CONTROLS

.01 WIRE TO AND CONNECT ALL ELECTRICALLY OPERATED EQUIPMENT.
.02 VERIFY PROPER ROTATION OF ALL ROTATING EQUIPMENT.

16190 SUPPORTING DEVICES

.01 REFER TO 16110.09 FOR EXPOSED RACEWAYS. CONCEALED RACEWAYS SHALL BE SUPPORTED USING SAME METHODS AS REQUIRED FOR EXPOSED RACEWAYS, EXCEPT THAT BRANCH CIRCUIT EMT IN CONCEALED LOCATIONS MAY BE SUPPORTED FROM BUILDING STRUCTURAL ELEMENTS WITH CADDY TYPE FITTINGS MANUFACTURED BY ERICO PRODUCTS CO., INC.

.02 OUTLET BOXES SHALL BE SUPPORTED TO BUILDING STRUCTURE USING THREADED LEAD ANCHORS AND MACHINE BOLTS, TOGGLE BOLTS, WOOD OR SHEET METAL SCREWS, IF PLACED DIRECTLY ON WOOD OR METAL SURFACE. TWO (2) ANCHORS ARE REQUIRED FOR EACH BOX. WHEN BOXES ARE LOCATED BETWEEN STRUCTURAL SUPPORTS, USE CADDY BOX SUPPORTS.

.03 ALL SUPPORTS, ANCHORS, BOLTS AND HARDWARE SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURE'S PUBLISHED INFORMATION FOR THE SIZE AND WEIGHT OF THE SUPPORTED OBJECTS.

16450 GROUNDING

.01 REFER TO ELECTRICAL DRAWINGS AND DIAGRAMS FOR GROUNDING CONNECTIONS.

.02 THE CONDUIT SYSTEM AND THE NEUTRAL CONDUCTORS SHALL BE GROUNDED. FOLLOW REQUIREMENTS OF THE NATIONAL ELECTRIC CODE – LATEST EDITION. NEUTRALS OF ALL TRANSFORMER SECONDARIES SHALL BE GROUNDED TO MINIMUM ONE (1) INCH COLD WATER PIPE.

.03 THE GROUND CONNECTION OF THE CONDUIT SYSTEM AND THE NEUTRAL CONDUCTORS SHALL BE MADE AT THE MAIN SERVICE PANELBOARD GROUND BUS.

.04 WHERE THREE (3) PHASE THREE (3) WIRE FEEDERS ARE EXTENDED TO UTILIZATION EQUIPMENT AND APPARATUS, A BONDING CONDUCTOR OF ADEQUATE SIZE, GREEN COLOR, SHALL BE USED TO GROUND THE EQUIPMENT FRAME. THE CONDUCTOR SHALL BE INSTALLED FROM GROUND BUS TO EQUIPMENT FRAME IN THE CIRCUIT RACEWAY.

.05 SEE GENERAL NOTES ON DRAWINGS.

16480 FEEDER CIRCUITS

.01 PROVIDE FEEDERS AS INDICATED ON THE DRAWINGS AND IN SCHEDULES.

16500 LIGHTING – INTERIOR

.01 FURNISH AND INSTALL ALL LIGHTING FIXTURES CALLED FOR BY THE LIGHTING FIXTURE SCHEDULE ON THE SITE, EXTERIOR ELECTRICAL AND INTERIOR ELECTRICAL DESIGN DRAWINGS.

.02 EACH FIXTURE SHALL BE EQUIPPED WITH ANY REQUIRED MOUNTING FRAMES, HARDWARE AND ACCESSORY INSTALLATION ITEMS, FIXTURE MOUNTING FRAMES SHALL BE COMPATIBLE WITH CEILING CONSTRUCTION.

.03 EACH FIXTURE SHALL BE LAMPED WITH NEW LAMPS OF TYPE AND WATTAGE INDICATED ON THE SCHEDULE.

16510 INTERIOR LIGHTING FIXTURES

.01 INSTALL AS INDICATED ON LIGHTING AND REFLECTED CEILING PLANS, DIMENSIONAL REFERENCE POINTS AND TO ARCHITECTURAL DETAILS AND ELEVATIONS.

.02 ALL INTERIOR FIXTURES (WHERE APPLICABLE) SHALL HAVE % VIRGIN ACRYLIC PRISMATIC DIFFUSERS. POLYSTYRENE 100 OR VINYL WILL NOT BE ACCEPTABLE.

.03 SEE LIGHTING FIXTURE SCHEDULE AND NOTES ON ELECTRICAL DRAWINGS.

GENERAL NOTES:

1. PROVIDE AND PAY FOR ALL PERMITS AND INSPECTION FEES AS REQUIRED.
2. FURNISH ALL LABOR AND MATERIAL TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. RECEPTACLES AND SWITCHES SHALL BE LEVITON OR AN APPROVED EQUAL. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES.
3. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL NEW LIGHTING FIXTURES UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
4. ALL ELECTRICAL WORK SHALL BE PERFORMED PER NEC 2020 WITH NC AMENDMENTS & LOCAL AUTHORITY HAVING JURISDICTION.

TELEPHONE AND CABLE TELEVISION:

1. TENANT SHALL CONTRACT SEPARATELY WITH A TELEPHONE COMPANY. NUMBER AND LOCATION OF NEW TELEPHONE JACKS TO BE DETERMINED BY OWNER.
2. THE GENERAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE TELEPHONE CONTRACTOR.

LIGHTING CONTROL AND TESTING:

1. LIGHTING SYSTEM FUNCTIONAL TESTING SHALL COMPLY WITH C303.3, C408.3.2., C408.3 OF IECC 2015 NORTH CAROLINA 2018 AMENDMENT. PROVIDE EVIDENCE THAT THE LIGHTING CONTROL IS PER C408.3.1.1 OCCUPANCY SENSOR CONTROLS, C408.3.1.2 TIME SWITCH CONTROLS AND C408.3.1.3 DAYLIGHT RESPONSIVE CONTROLS. CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE LIGHTING SYSTEM HAS BEEN CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION TO THE REQUIREMENT OF THE ENGINEER'S REPRESENTATIVE.

ALTERNATE PRICING:

PROVIDE DEDUCTIVE ALTERNATE TO USE MC CABLE IN LIEU OF THHN CONDUCTOR WITH EMT CONDUIT, FOR ALL CONCEALED BRANCH CIRCUITS.

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ISSUES / REVISIONS

NO	DATE	DESCRIPTION

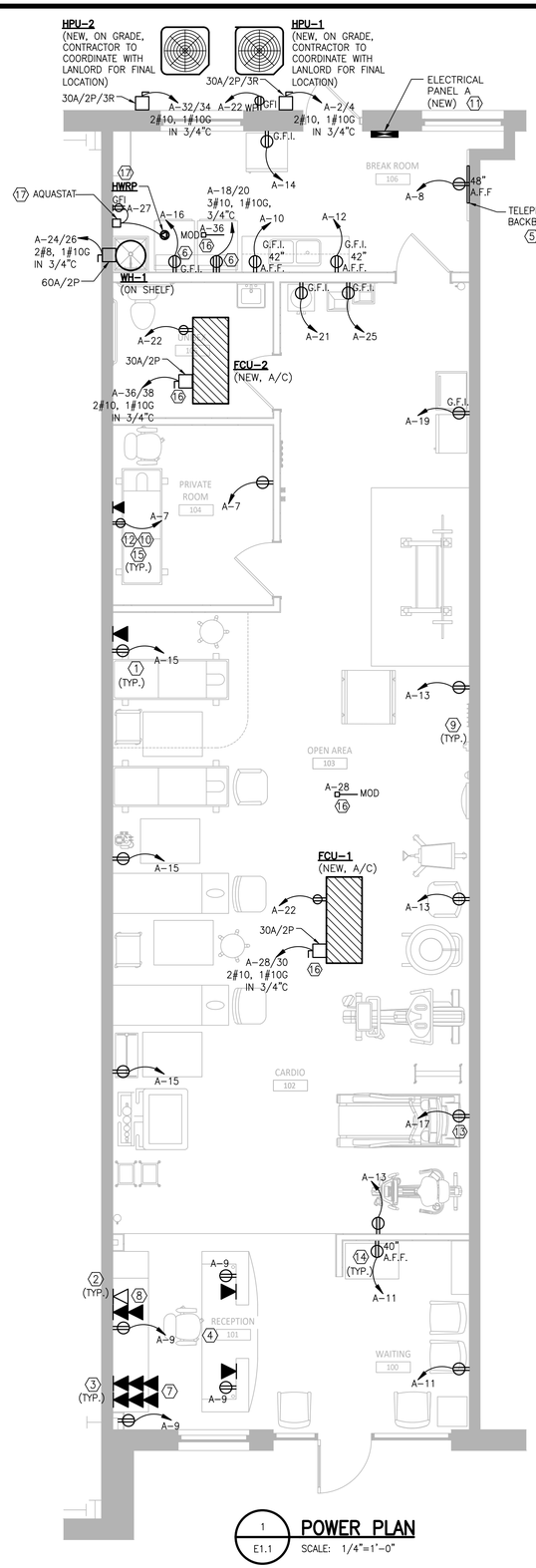
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SHEET TITLE
ELECTRICAL SPECIFICATIONS

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	
DRAWN BY:	AVK
CHECKED BY:	ARK

E0.1

FOR CONSTRUCTION



1 E1.1 **POWER PLAN**
SCALE: 1/4"=1'-0"

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
——	CONDUIT CONCEALED ABOVE CEILING OR IN WALL WHENEVER POSSIBLE.	$3M	THREE WAY SWITCH
——	CONDUIT CONCEALED IN OR BELOW FLOOR.	$C	NO DESIGNATION – FLUSH WALL 20A/125V/1PH/3W, NEMA 5-20R, DUPLEX RECEPTACLE C – FLUSH WITH CEILING. MTG.. 18"A.F.F. UNLESS OTHERWISE NOTED
A-2	HOME RUN TO PANELBOARD SHOWING CIRCUIT DESIGNATION. INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL... BREAKER LOCATIONS MAY BE REARRANGED TO PERMIT USE OF COMMON NEUTRAL CONDUCTOR.	$IG	20A/125V/1PH/3W, NEMA 5-20R, ISOLATED GROUNDING TYPE DUPLEX RECEPTACLE
	ELECTRIC MOTOR CONNECTION.		30A/125V/1PH/3W, NEMA 5-30R, RECEPTACLE
+ 44"	MOUNTING HEIGHT DESIGNATION IN INCHES ABOVE FINISHED FLOOR TO CENTERLINE... WHEN INDICATED ON DRAWINGS SUPERSEDES STANDARD MOUNTING HEIGHT IN LEGEND.	$GFI	20A/125V/1PH/3W, NEMA 5-20R, DUPLEX GFCI RECEPTACLE @ 18" AFF. UNLESS OTHERWISE NOTED.
A.F.F.	ABOVE FINISHED FLOOR		FLOOR OUTLET WITH HEAVY-DUTY COVER PLATE.
A.B.S.	ABOVE BACKSPLASH		208V/1PH, SEE INDIVIDUAL EQUIPMENT SPEC. SHEETS FOR PLUG TYPE.
	NON-FUSED DISCONNECT SWITCH		208V/3PH, RATING AS NOTED. SEE INDIVIDUAL EQUIPMENT SPEC. SHEETS FOR PLUG TYPE.
F	FUSED DISCONNECT SWITCH		DATA PORT. AT FLOOR LOCATIONS, PROVIDE A HEAVY-DUTY COVER PLATE.
J	JUNCTION BOX.	96" A.F.F.	CABLE TELEVISION OUTLET. PROVIDE CLOCK PLUG OUTLET NEXT TO T.V. PORT AT SAME HEIGHT.
	ELECTRIC PANELBOARD.	#	NUMBER BESIDE DEVICE INDICATES CIRCUIT NUMBER
$	SINGLE POLE SWITCH	F	EXISTING FIRE ALARM PULL STATION
	EQUIPMENT BACKBOARD		TELEPHONE LINE
F	EXISTING FIRE ALARM HORN/STROBE	CGD	COMBUSTIBLE GAS DETECTOR
F	EXISTING FIRE ALARM STROBE		

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONSTRUCTION WITH OTHER TRADES TO AVOID CONFLICTS.
2. CONTRACTOR SHALL VERIFY THERE IS NO OVERLOADING OF BRANCH CIRCUITS AND/OR PANELBOARDS REGARDLESS OF CIRCUITRY INDICATED.
3. CONTRACTOR SHALL MAINTAIN CIRCUIT CONTINUITY TO ALL DEVICES.
4. ALL NEW RECEPTACLES NEED TO BE FIELD VERIFIED.
5. ALL 120V, 1PH, 15A AND 20A RECEPTACLES INSTALLED OUTDOORS, IN BATHROOM, KITCHEN AND ROOF TOP AREAS SHALL HAVE GROUND.-FAULT CIRCUIT INTERRUPTER PROTECTION.
6. ALL ELECTRICAL LOCATIONS ARE SHOWN FOR DESIRED LOCATIONS. COORDINATE WITH EXISTING ELECTRICAL LOCATIONS AND TENANT IN THE FIELD FOR ADDITIONAL COVERAGE.
7. COORDINATE WITH TENANT FOR DATA DROPS SHOWN. DATA DROPS BY TENANTS SUB-VENDOR.
8. CAP ALL UTILITIES FLUSH WITH FLOOR OR ABOVE FINISHED CEILING ALONG THE DEMOLITION WALL IF REQUIRED.

KEYED NOTES:

1. ALL WIRING IN PATIENT CARE AREAS TO INCLUDE REDUNDANT GROUND WIRING INCLUDING PRIVATE ROOMS AND OPEN AREAS PER NEC 517.13. REDUNDANT GROUND WIRING NOT REQUIRED IN STAFF AREAS, TOILET ROOMS OR STORAGE AREAS.
2. TELEPHONE OUTLET, 2"x4" JUNCTION BOX AND 1" CONDUIT 2" ABOVE CEILING. JACK AND WIRING BY OTHERS.
3. DATA OUTLET, 2"x4" JUNCTION BOX AND 1" CONDUIT 2" ABOVE CEILING IF NEEDED. JACK AND WIRING BY OTHERS.
4. CONTRACTOR TO PROVIDE ELECTRICAL WIRING IN CHASE OF DESK TO TWO DUPLEX ELECTRICAL BOXES (ONE ON EACH SIDE). WITH ELECTRICAL CORDS TO PLUG INTO WALL OUTLET. TWO BLANK JUNCTION BOXES TO REMAIN (ONE BESIDE EACH OUTLET) FOR DATA WIRING. POWER SHALL BE PROVIDED BY ELECTRICAL WHIP FROM THE TOEKICK OF THE DESK. SECURE DESK WIRE WHIP FROM TOEKICK OF DESK TO ELECTRICAL OUTLET AS NECESSARY ALONG BASE BOARDS.
5. PROVIDE TELEPHONE BACKBOARD. FIELD VERIFY OR RUN AT LEAST 2"C CONDUIT FROM TELEPHONE COMPANY POINT OF SERVICE TO TELEPHONE BACKBOARD IF REQUIRED.
6. PROVIDE 2#12, 1#12G, 3/4"C AND 20A/1P BREAKER FOR WASHER. PROVIDE 3#10, 1#10G IN 3/4"C AND 30A/2P GFCI BREAKER FOR DRYER. FIELD VERIFY ALL ELECTRICAL REQUIREMENTS.
7. SIX DATA PORTS AT THIS LOCATION TO BE PROVIDED BY LOW VOLTAGE CONTRACTOR.
8. ONE ANALOG FAX LINE AND TWO DATA PORTS AT THIS LOCATION TO BE PROVIDED BY LOW VOLTAGE CONTRACTOR.
9. IF TENANT SPACE INCLUDES FIRE WALLS, PENETRATIONS IN FIRE WALL SHALL BE MADE SO THAT THE POSSIBLE SPREAD OF FIRE OR PRODUCTS OF COMBUSTION WILL NOT BE SUBSTANTIALLY I NCREASED. FIRE SEALS SHALL BE USED IN A THROUGH-PENETRATION. FIRE STOP SYSTEM SHALL MAINTAIN THE FIRE RESISTANCE RATING OF THE WALL, AS REQUIRED BY NEC 300.21. THE CONTRACTOR SHALL COMPLY WITH ALL NEC 300.21 REQUIREMENTS.
10. ALL ELECTRICAL MATERIAL DEVICES APPLIANCES AND EQUIPMENT SHALL BE LABELED/LISTED BY UL OR ANOTHER NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY.
11. FIELD VERIFY LOCATION OF NEW ELECTRICAL PANEL. FIELD VERIFY THAT PANEL 'A' HAS AT LEAST 3 FEET OF WORKING CLEARANCE IN FRONT. PATCH UP THE WALL TO ITS ORIGINAL CONDITION ONCE ALL CONDUITS AND CABLES HAVE BEEN PLACED.
12. ALL ELECTRICAL EQUIPMENT IN EXAM ROOM, TREATMENT AREA AND PATIENT CARE AREA SHALL BE MEDICAL GRADE AND SHALL BE IN COMPLIANCE WITH NEC 517.13 (A) AND (B). ELECTRICAL CONTRACTOR SHALL CONNECT ALL RECEPTACLES, SWITCHES ETC TO COMPLY WITH CODE REQUIREMENT.
13. PROVIDE DEDICATED OUTLET. RUN 2 #12, 1 #12G IN 3/4"C. PROVIDE OUTLET IN ORANGE COLOR OR BLACK FACE PLATE.
14. ALL RECEPTACLES IN WAITING AREA 100 SHALL BE TAMPER RESISTANT ELECTRICAL RECEPTACLE OUTLETS PER NEC 406.12C.
15. PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.61(C). RECEPTACLES AND ATTACHMENT PLUGS INSTALLED IN PATIENT CARE AREAS SHALL BE LISTED HOSPITAL GRADE FOR SERVICE OF PRESCRIBED VOLTAGE, FREQUENCY RATING AND NUMBER OF CONDUCTORS WITH PROVISION FOR CONNECTING EQUIPMENT GROUNDING CONDUCTOR.
16. INTERLOCK EACH MOD WITH ITS CORRESPONDING FCU. RUN 2#12, 1#12G IN 3/4"C BETWEEN EACH MOD AND FCU. FIELD VERIFY.
17. INTERLOCK HWRP WITH AQUASTAT. RUN 2 #12, 1 #12G IN 3/4"C BETWEEN HWRP AND AQUASTAT. FIELD VERIFY LOCATION OF AQUASTAT AND RECEPTACLE.

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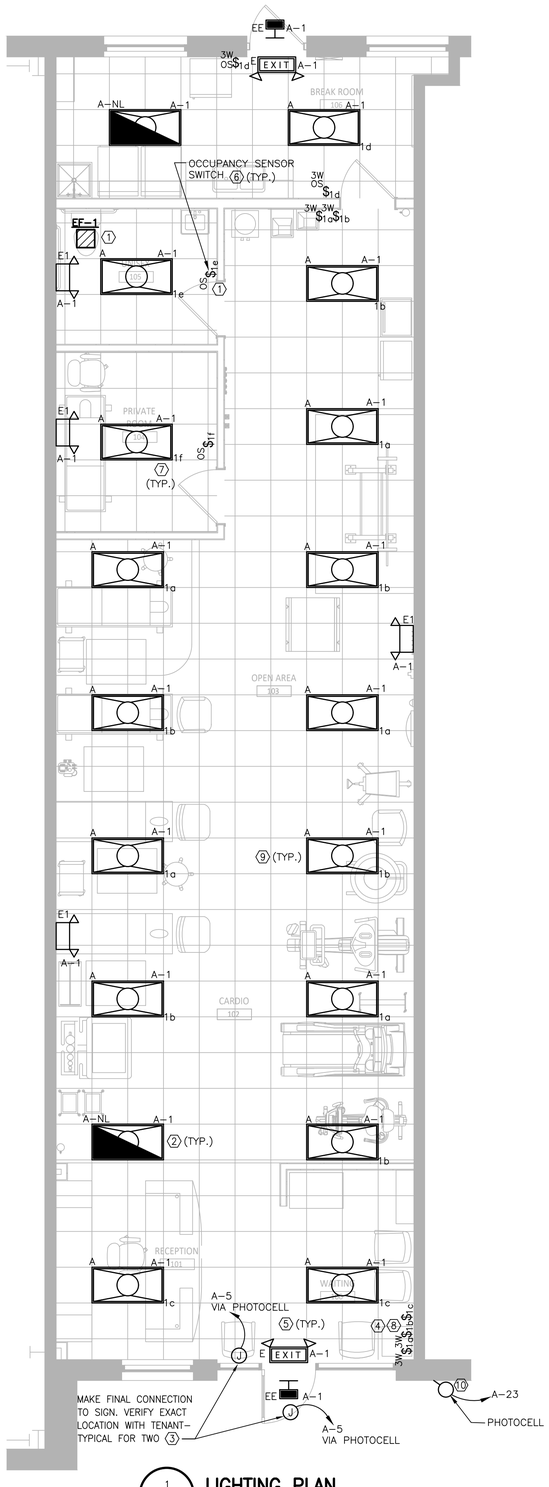
SHEET TITLE
ELECTRICAL POWER PLAN

PROJECT NO:	2026-0042
ISSUE DATE:	04/21/26
SCALE:	
DRAWN BY:	AVK
CHECKED BY:	ARK

E1.1

FOR CONSTRUCTION

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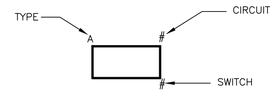


1 E1.2 **LIGHTING PLAN**
SCALE: 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION
	A	2 X 4 RECESSED LED LAY-IN FIXTURE; LITHONIA LIGHTING STAK 2X4 4000LM 80CRI 40K COL MIN1 ZT MVOLT OR APPROVED ALTERNATE; 33W LED
	A-NL	2 X 4 RECESSED LED LAY-IN FIXTURE; LITHONIA LIGHTING STAK 2X4 4000LM 80CRI 40K COL MIN1 ZT MVOLT OR APPROVED ALTERNATE; 33W LED; NIGHT LIGHT
EXIT	E	COMBO WALL MOUNTED EMERGENCY EXIT LIGHT AND EXIT SIGN WITH BATTERY BACK-UP
	E1	WALL MOUNTED EMERGENCY LIGHT WITH BATTERY BACK-UP
	EE	OUTDOOR EMERGENCY EGRESS LIGHT 2.2W LED; EXTERIOR DOOR LOCATIONS

LIGHT FIXTURE DESIGNATION:



KEYED NOTES:

1. INTERLOCK EXHAUST FAN WITH RESTROOM LIGHT SWITCH.
2. CONNECT NIGHT LIGHTS, EXIT SIGNS, EMERGENCY LIGHTS AHEAD OF SWITCH.
3. FIELD COORDINATE EXACT LOCATION OF JUNCTION BOX FOR SIGNAGE. PHOTOCELL SHALL CONTROL SIGNAGE.
4. LIGHT SWITCHES SHALL BE LOCATED NEAR RECEPTION/MAIN ENTRY DOOR FOR THE WAITING, RECEPTION AND TREATMENT AREA LIGHT FIXTURES. COORDINATE WITH TENANT.
5. PROVIDE NEW EXIT/EMERGENCY LIGHTS AS SHOWN. FIELD VERIFY AND RELOCATE AS REQUIRED.
6. PROVIDE OCCUPANCY SENSORS LUTRON MS-A102-WH OR EQUAL. FIELD COORDINATE EXACT LOCATION AND POWER PACK AS PER MANUFACTURER'S RECOMMENDATION. CONNECT TO THE CIRCUIT SERVING THE LIGHTING IN THE AREA. LIGHT SWITCHES SHALL BE COORDINATED TO BE LOCATED AT LOW VOLTAGE SIDE TO OPERATE IN VACANCY SENSING MODE. OCCUPANCY SENSORS SHALL TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. LIGHT SWITCHES SHALL OVERRIDE THE OCCUPANCY SENSORS.
7. LIGHTS IN SEPARATE ROOMS SHALL BE INDIVIDUALLY SWITCHED FROM MAIN AREA.
8. DAY LIGHT ZONE RESPONSIVE CONTROL SHALL NOT APPLY. PROVIDE DAYLIGHT SWITCH AS SHOWN.
9. WHERE A MANUAL CONTROL PROVIDES LIGHT REDUCTION IN ACCORDANCE WITH SECTION C405.2.2.2, TIME-SWITCH CONTROLS SHALL NOT BE REQUIRED FOR SPACES WHERE PATIENT CARE IS DIRECTLY PROVIDED PER C405.2.2 TIME-SWITCH CONTROLS 2015 IECC.
10. PROVIDE PHOTOCELL FOR FRONT SIGNAGE. PHOTOCELL SHALL BE LOCATED ON THE NORTH-WEST SIDE OF THE TENANT SPACE. FIELD LOCATE.

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONSTRUCTION WITH OTHER TRADES TO AVOID CONFLICTS.
2. CONTRACTOR SHALL VERIFY THERE IS NO OVERLOADING OF BRANCH CIRCUITS AND/OR PANELBOARDS REGARDLESS OF CIRCUITRY INDICATED.
3. CONTRACTOR SHALL MAINTAIN CIRCUIT CONTINUITY TO ALL DEVICES.
4. ALL NEW RECEPTACLES NEED TO BE FIELD VERIFIED.
5. COORDINATE WITH TENANT FOR LIGHTING CONTROL SWITCHES.

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SHEET TITLE
ELECTRICAL LIGHTING PLAN

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E1.2

FOR CONSTRUCTION

SERVICE 120/208V, 3PH, 4W — **PANEL "A"** — MAIN 200A

MTG SURFACE — A.I.C. 42,000* — REMARK MLO

BRANCH CIRCUIT NO.	LOAD DESCRIPTION	LOAD(kVA) A	LOAD(kVA) B	LOAD(kVA) C	TRIP	PHASE A B C	TRIP	LOAD(kVA) A	LOAD(kVA) B	LOAD(kVA) C	LOAD DESCRIPTION	BRANCH CIRCUIT NO.	
1	LTG - FRONT/ BACK	0.620			20		30	2			HPU-1	2	HACR
3	SPARE				20				2			4	
5	LTG - FRONT SIGNAGE			1.2	20		20				SPARE	6	
7	RECEPT. - PRIVATE ROOM	0.36			20		20	0.18			RECEPT. - TELEPHONE BACKBOARD	8	
9	RECEPT. - RECEPTION		0.72		20		20		0.18		RECEPT. - COUNTER	10	
11	RECEPT. - WAITING			0.36	20		20			1.3	MICROWAVE	12	
13	RECEPT. - OPEN AREA	0.54			20		20	0.6			REFRIGERATOR	14	HACR
15	RECEPT. - OPEN AREA		0.54		20		20		1.2		WASHER	16	
17	TREADMILL			1.5	20		30			2.2	DRYER**	18	GFCI
19	FREEZER/HYDROC	1			20		20	2.2				20	HACR
21	DRINK STATION		0.53		20		20		0.54		RECEPT. - HVAC	22	HACR
23	PHOTOCELL			0.1	20		40			3	WH-1	24	
25	HI-LO DRINKING FOUNTAIN	0.45			20			3				26	
27	HWRP AND AQUASTAT		0.06		20		30		2.91		FCU-1 / MOD	28	HACR
29	SPARE				20					2.86		30	
31	SPARE				20		30	2			HPU-2	32	HACR
33	SPARE				20				2			34	
35	SPARE				20		30			2.91	FCU-2 / MOD	36	
37	SPARE				20			2.86				38	
39	SPARE				20		20				SPARE	40	
41	SPARE				20		20				SPARE	42	

CONNECTED LOAD: A 15.81 B 10.68 C 15.43 TOTAL 41.92 kVA

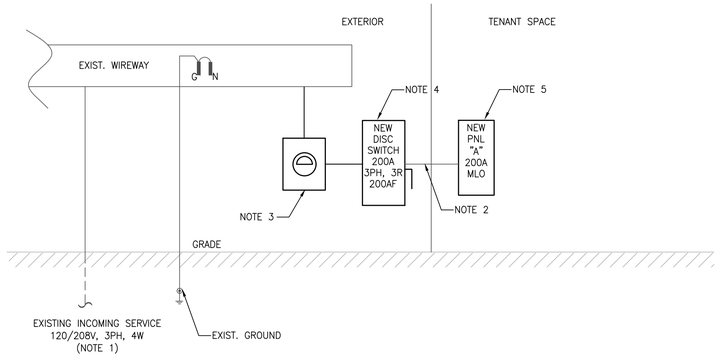
* FIELD COORDINATE BASED ON AVAILABLE FAULT CURRENT.

** FIELD VERIFY BREAKER SIZE AND LOCATION.

HACR – U.L. LISTED "HACR" TYPE CIRCUIT BREAKER.

LOAD ANALYSIS

LOAD DESCRIPTION	CONNECTED VA	DEMAND FACTOR	VA DEMAND
LIGHTING - EXTERIOR	0	1.00	0
LIGHTING - INTERIOR	614	1.25	768
SIGNAGE	1200	1.25	1500
RECEPTACLES	3420	FIRST 10KW @ 100% 1.00	3420
	0	REMAINDER @ 50% 0.50	0
KITCHEN EQUIPMENT	1900	1.00	1900
WATER HEATER	6000	1.00	6000
HVAC EQUIPMENT	19546	1.00	19546
3 Ø MOTORS	0	LARGEST MOTOR @ 125% 1.25	0
	0	REMAINDER @ 100% 1.00	0
1 Ø MOTORS	0	LARGEST MOTOR @ 125% 1.25	0
	0	REMAINDER @ 100% 1.00	0
MISCELLANEOUS	9240	1.00	9240
TOTALS	41920	DEMAND FACTOR	42374
CALCULATED SERVICE DEMAND AMPERES		117.620	



1 / E2.1 **ELECTRICAL RISER DIAGRAM**

SCALE: NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF MAIN ELECTRICAL SERVICE, AND SERVICE ENTRANCE RATING IF NOT PROVIDE. FIELD VERIFY EXISTING GROUND OR ELSE PROVIDE.
2. PROVIDE 4#3/0, 1#6G IN EXISTING CONDUIT. FIELD VERIFY EXISTING 2"C OR ELSE PROVIDE.
3. PROVIDE METER AND METER CAN SUITABLE FOR 200A, 3PH SERVICE. COORDINATE WITH LANDLORD AND UTILITY COMPANY.
4. PROVIDE 200A, 3P, 3R FUSED DISCONNECT FUSED AT 200A.
5. PROVIDE 200A MLO, 120/208V, 3PH, 4W, 42 POLE PANEL BOARD.

GENERAL NOTES:

1. BRANCH CIRCUIT WIRING SHALL BE AS FOLLOWS:
   A. LIGHTING AND POWER NETWORKS: (120/208V, 3ø, 4W)
      1) 100 FEET OR LESS:
         PHASE – 3#12 AWG
         NEUTRAL – 1#12 AWG
         GROUND – 1#12 AWG
      2) GREATER THAN 100 FEET: INCREASE ALL CONDUCTORS BY ONE WIRE GAUGE SIZE.
      3) TWO NETWORKS MAXIMUM PER CONDUIT.
2. PROVIDE SINGLE GANG JUNCTION BOX FOR EACH TELEPHONE AND/OR DATA OUTLET WITH 3/4"C. STUBBED-UP TO 6" ABOVE WALL PARTITION, OR LAY-IN CEILING. PROVIDE BLANK COVERPLATE ON EACH OUTLET.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4", UNLESS OTHERWISE NOTED OR INDICATED.
4. EMERGENCY LIGHTING CIRCUITING SHALL BE THE SAME CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

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SHEET TITLE

PANEL AND RISER DIAGRAM

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