*Each section below must be filled out by whoever is performing the work. Must be owner or licensed contractor. Address, company name & phone must match information on state license.

Application # ____________________

Harnett County Central Permitting
420 McKinney Pkwy Lillington, NC 27546
PO Box 65 Lillington, NC 27546
910-893-7525 ext. 1 Fax 910-893-2793 www.harnett.org/permits

COMMERCIAL

Reviewed for Fire Code Compliance
Harnett County North Carolina
Roger Sullivan
08/14/2025 2:58:06 PM

Application for Building and Trades Permit

Owner's Name: Good Hope Hospital Date: 8/8/2025

Site Address: 410 Denim Dr, Erwin, NC 28339 Phone: 910-230-4011

Directions to job site from Lillington: ____________________

Subdivision: ____________________ Lot: __________

Description of Proposed Work: Complete Interior Build Out, Currently an Empty Shell

Heated SF 6611 Unheated SF 206

General Contractor Information: Building Cost $ 1,200,000

STE General Contractors, LLC — 910-890-3979
Building Contractor's Company Name — Telephone

PO Box 2364, Dunn, NC 28335 — stegc.tommy@gmail.com
Address — Email Address

Thomas W. McLeod — 78246U
Signature of Owner/Contractor/Officer(s) of Corporation — License #

Electrical Contractor Information: Electrical Cost $ 160,000

Description of Work New upfit Office Service Size: 400 Amps #T-Poles 1

Hogue Electric Co., Inc — 910-893-5302
Electrical Contractor's Company Name — Telephone

2951 McDougald Rd, Lillington, NC 27546 — alhogue@prodigy.net
Address — Email Address

Al Hogue — U.04424
Signature of Owner/Contractor/Officer(s) of Corporation — License #

Mechanical Contractor Information: Mechanical Cost $150,000

Description of Work New Upfit Office # Units 3-4 Ton, 1 Mini Split

Certified Heating and Air Conditioning — 910-858-0000
Mechanical Contractor's Company Name — Telephone

PO Box 1071, Hope Mills, NC 28348 — certifiedheatingandairllc@gmail.com
Address — Email Address

[signature] — L.20012
Signature of Owner/Contractor/Officer(s) of Corporation — License #

Plumbing Contractor Information: Plumbing Cost $ 110,000

Description of Work New Upfit Office # Baths 6 and 1 Breakroom

MLS Plumbing Company, Inc — 910-484-1124
Plumbing Contractor's Company Name — Telephone

784 Gentry Rd, Erwin, NC 28339 — mlsplumbing@hotmail.com
Address — Email Address

Michael Smith — NC28833P1
Signature of Owner/Contractor/Officer(s) of Corporation — License #

Insulation Contractor Information

Spray Foam Insulation of NC, Inc — 910-892-1580
Insulation Contractor's Company Name & Address — Telephone
PO Box 1220, Dunn, NC 28335

***NOTE: General Contractor must fill out and sign the second page of this application**

Sprinkler Contractor Information

Carolina Fire Protection
Sprinkler Contractor's Company Name

PO Box 250, Dunn, NC 28335
Address

Andrew Dorman
Signature of Officer(s) of Corporation

910-892-1700
Telephone

adorman@carolinafireprotection.com
Email Address

L.23769
License #

Fire Alarm Contractor Information

Albemarle Alarm & Electronics
Fire Alarm Contractor's Company Name

PO Box 1337, Albemarle, NC 28002
Address

Darrell Furr
Signature of Officer(s) of Corporation

704-983-1300
Telephone

alarm_1@windstream.net
Email Address

SP.FA/LV.18041
License #

Driveway Access - NC Department of Transportation Driveway Access/Permit? _____Yes ✔ No

I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.

Expired Permit Fees - 6 months to 2 years permit re-issue fee is $150.00. After 2 years re-issue fee is charged at full price per current fee schedule.

Thomas W. McLeod
Signature of Owner/Contractor/Officer(s) of Corporation

8/8/2025
Date

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

✔ General Contractor ______ Owner ______ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

✔ Has three (3) or more employees and has obtained workers' compensation insurance to cover them.

_____ Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.

_____ Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.

✔ Has no more than two (2) employees and no subcontractors.

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Company or Name: STE General Contractors, LLC

Sign w/Title: Thomas W. McLeod Date: 8/8/2025

SHEET INDEX:

PROJECT:

ALTERATION LEVEL III FOR:

GOOD HOPE
BEHAVIORAL HEALTH URGENT CARE
(HARNETT COUNTY BHUC)

410 DENIM DRIVE
ERWIN, NC 28339

PROJECT TEAM:

BUILDING OWNER:
GOOD HOPE HOSPITAL
410 DENIM DR.
ERWIN, NC 28339

PROJECT DESIGNER:
JENKINS CONSULTING ENGINEERS, PA
1606 MCARTHUR ROAD
FAYETTEVILLE, NC 28311
DOUGLAS L. JENKINS, PE
KELLY J. DODSON, PE
(910) 822-1724

CONSTRUCTION MANAGEMENT COMPANY
STE GENERAL CONTRACTORS LLC
TOMMY McLEOD CELL: 910-890-3979
TOMMY McLEOD EMAIL: stegc.tommy@gmail.com
SHANE'S CELL: 910-591-9727
SHANE'S EMAIL: stegc.shane@gmail.com
OFFICE PHONE: 910-891-5465

BUILDING DEPARTMENT:
COUNTY of HARNETT
INSPECTION DEPARTMENT

420 McKINNEY PARKWAY
LILLINGTON, NC 27546
910-893-2793

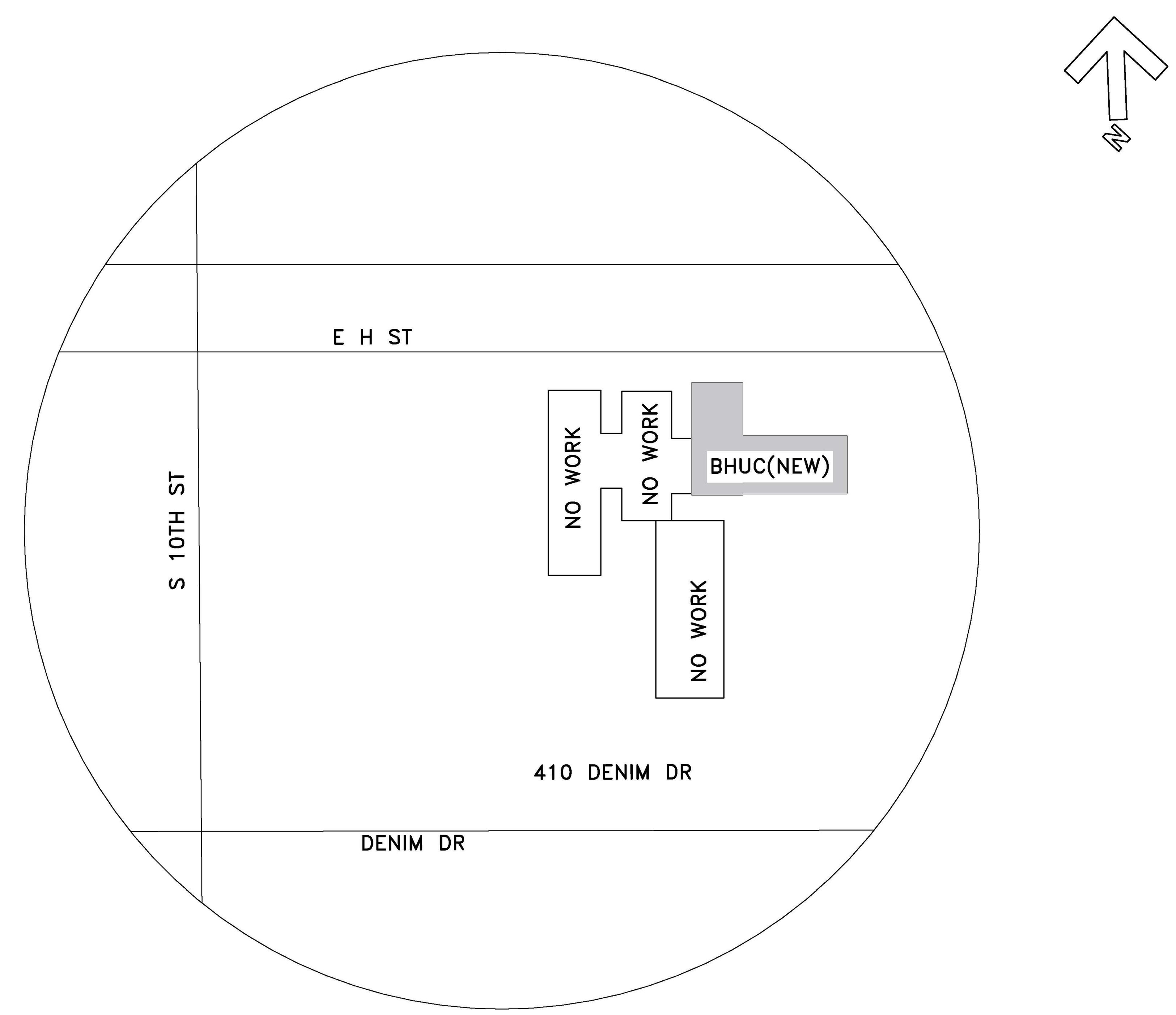
SCOPE OF WORK:

UNDERGOING AN ALTERATION LEVEL III BY REMOVING THE TEMPORARY STRUCTURE IN THE REAR OF THE BUILDING AND REBUILDING A NEW STRUCTURED WALL AND ROOF REPAIR. THERE WILL BE NEW ELECTRICAL, PLUMBING, AND MECHANICAL SYSTEMS. CONSTRUCTING NEW INTERIOR WALLS, FINISHES, AND NEW LAY-IN CEILING.

CODE REVIEW:

EXISTING BUILDING	2018 NC EXISTING BUILDING CODE
BUILDING	2018 NC BUILDING CODE
PLUMBING	2018 NC PLUMBING CODE
MECHANICAL	2018 NC MECHANICAL CODE
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NFPA-70)
FIRE PREVENTION	2018 NC FIRE CODE
ENERGY	2018 NC ENERGY CONSERVATION CODE
ACCESSIBILITY	ICC A117.1-2009 AND THE AMERICANS WITH DISABILITIES ACT (ADAAG)

VICINITY MAP:



THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON

25 JULY 2025

DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
COVER SHEET & INDEX TO DRAWINGS

CS

2018 NORTH CAROLINA BUILDING CODE SUMMARY: APPENDIX B

Name of Project: GOOD HOPE BEHAVIORAL HOSPITAL — ParID / PIN: 0597-84-4269.000
Address: 410 DENIM DR — Zip Code: 28339
Proposed Use: BEHAVIORAL OUTPATIENT CLINIC
Owner or Authorized Agent: – Phone – E-Mail –
Owned By: GOOD HOPE HOSPITAL ☐ City/County ☑ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ERWIN ☑ County HARNETT ☐ State NORTH CAROLINA

CONTACT: KELLY J. DODSON

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	N/A	N/A	N/A	N/A	N/A
Civil	N/A	N/A	N/A	N/A	N/A
Electrical	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddyj@jenkinsce.pro
Fire Alarm	N/A	N/A	N/A	N/A	N/A
Plumbing	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddyj@jenkinsce.pro
Mechanical	JCE	DOUGLAS L. JENKINS	NC PE 28803	(910) 822-1724	buddyj@jenkinsce.pro
Sprinkler-Standpipe	N/A	N/A	N/A	N/A	N/A
Structural :	N/A	N/A	N/A	N/A	N/A
INTERIOR WALLS	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5' High	N/A	N/A	N/A	N/A	N/A
Building	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyd@jenkinsce.pro

2018 NORTH CAROLINA BUILDING CODE: ☐ New Building ☐ Addition ☐ Shell / Core ☐ Phased Construction – Shell Core ☐ First Time Interior Completions

2018 NORTH CAROLINA EXISTING BUILDING CODE: (check all that apply)
☐ Prescriptive ☐ Repair ☐ Chapter 14 ☐ Alteration Level I ☐ Alteration Level II ☑ Alteration Level III ☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) 1913 — CURRENT USE (S) (Ch. 3): GOOD HOPE HOSPITAL(I-2)
RENOVATED: (date) 2009 — PROPOSED USE (S) (Ch. 3): BEHAVIORAL URGENT CARE (BUSINESS)
OCCUPANCY RISK CATEGORY (Table 1604.5): Current: II Proposed: II

BASIC BUILDING DATA

Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☑ III-B ☐ IV ☐ ☐ V-A ☐ V-B
Sprinklers: ☐ No ☐ Partial ☑ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☑ No Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Primary Fire District: ☑ No ☐ Yes (APPENDIX D) — Flood Hazard Area: ☑ No ☐ Yes
Special Inspections Required: ☑ No ☐ Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (sq ft)	NEW (sq ft)	SUBTOTAL
TOTAL RENOVATION AREA	6,522	–	6,522

ALLOWABLE AREA

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

Accessory Occupancy Classification(s):
Incidental Uses (Table 509): NONE
This separation is not exempt as a Non-separated Use (see exceptions).
Special Uses (Chapter 4): ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427 ☐ 428 ☐ 429 ☐ 430
Special Provisions (Chapter 5): ☐ 510.2 ☐ 510.3 ☐ 510.4 ☐ 510.5 ☐ 510.6 ☐ 510.7 ☐ 510.8 ☐ 510.9
Mixed Occupancy: ☑ No ☐ Yes Separation: Hr. Exception:
☐ Non-separated Use (508.3)
☐ Separated Use (508.4) --See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area of each use shall not exceed 1.

Separated Use Formula 508.4.2:

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

$$\_\_\_\_ + \_\_\_\_ = \_\_\_\_ \le 1.00$$

STORY NUMBER	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	BUSINESS	6,522	76,000	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = ______ (F)
b. Total Building Perimeter = ______ (P)
c. Ratio (F/P)= ______ (F/P)
d. W = Minimum width (weighted average) of public way = ___ (W) where $W=(L_1 \times w_1 + L_2 \times w_2)/F$ (Equation 5-4)
e. Percent of frontage increase = $I_f = 100\,[F/P - 0.25] \times W/30$ = ______ (%) (Equation 5-5)

FRONTAGE INCREASE WORKSHEET for CALCULATIONS:

EXTERIOR WALL	(F) OPEN LENGTH (feet)	(P) TOTAL LENGTH (feet)	(W) (weighted average) WIDTH OF PUBLIC WAY OR OPEN SPACE (feet)	(%) FROM CALC. ABOVE	(B) FROM TABLE ABOVE	AREA INCREASE FOR COLUMN (C) ABOVE (% * TABLE AREA)
North						
South						
East						
West						
TOTAL						
EXAMPLE	75	100	25	42	23,500	(.42*23,500 = 9,870)

2 Unlimited area applicable under conditions of Sections 507
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (Section 506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1
5 Frontage increase is based on the unsprinklered area value in Table 506.2.

BUILDING CODE SUMMARY (continued)

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55	~25'	–
Building Height in Stories (Table 504.4)	2	–	–

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING ** (TABLE 601) REQ'D III-B(EXISTING) NO CHANGE	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		0					
Bearing Walls							
Exterior		2-HR	EXISTING WALLS				
North							
East							
West							
South							
Interior		0	2-HR(EXISTING)				
Nonbearing walls and partitions							
Exterior walls		0					
North							
East							
West							
South							
Interior Non-Bearing Walls		0					
Floor construction including supporting beams and joists		0					
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof construction including supporting beams and joists		0					
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures – Exit							
Shaft Enclosures – Other							
Corridor Separation							
Occupancy / Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation		2	2	G11	UL-U410		
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North	–	–	–	–
South	–	–	–	–
East	–	–	–	–
West	–	–	–	–

LIFE SAFETY SYSTEM REQUIREMENTS

- Emergency Lighting: ☑ Yes ☐ No
- Exit Signs: ☑ Yes ☐ No
- Fire Alarm: ☑ Yes ☐ No
- Smoke Detection Systems: ☐ Yes ☑ No Partial ☐ Duct Detectors
- Carbon Monoxide Detection: ☐ Yes ☑ No
- Life Safety Systems Generator: ☐ Yes ☑ No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LSP

- ☑ 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 access travel distances (1017)
- ☐ Common path of travel distances [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 (903)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-II (407.5)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
NONE REQUIRED							

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES: REQUIRED	TOTAL # OF PARKING SPACES: PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 96" ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
NO CHANGE TO EXISTING PARKING						
TOTAL						

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE	SERVICE SINK
EXISTING FIXTURES	–	–	–	–	–	–	–	–	–	–	–
NEW FIXTURES	–	–	7	–	–	–	7	2	–	–	1
TOTAL PROVIDED	–	–	7	–	–	–	7	2	–	–	1

SPECIAL APPROVALS:

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
NONE

ENERGY SUMMARY

ENERGY REQUIREMENTS: (NOT REQUIRED)
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: ☑ (If checked, the remainder of this section is not applicable.)
Exempt Building: ☐ Provide code or statutory reference:

Climate Zone: ☐ 3A ☑ 4A ☐ 5A HARNETT COUNTY

Method of Compliance:
Energy Code: ☐ Performance ☐ Prescriptive
ASHRAE 90.1: ☐ Performance ☐ Prescriptive
Other: ☐ Performance (specify source)
Value of total assembly: –

THERMAL ENVELOPE: (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
- Description of assembly: WOOD(ATTIC) R-42 FRAMED METAL ROOF R-49
- 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: R-9.5 C.I.
- Openings (windows or doors with glazing)
  - U-Value of assembly: EXISTING WINDOWS
  - 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:

MECHANICAL SUMMARY (SEE DRAWING SHEET M1)
ELECTRICAL SUMMARY (SEE DRAWING SHEET E1)

HARNETT COUNTY
BUILDING CODE SUMMARY
FOR:

ALTERATION LEVEL III:

GOOD HOPE
BEHAVIORAL HEALTH URGENT CARE
(HARNETT COUNTY BHUC)

410 DENIM DRIVE
ERWIN, NC 28339

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907
NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

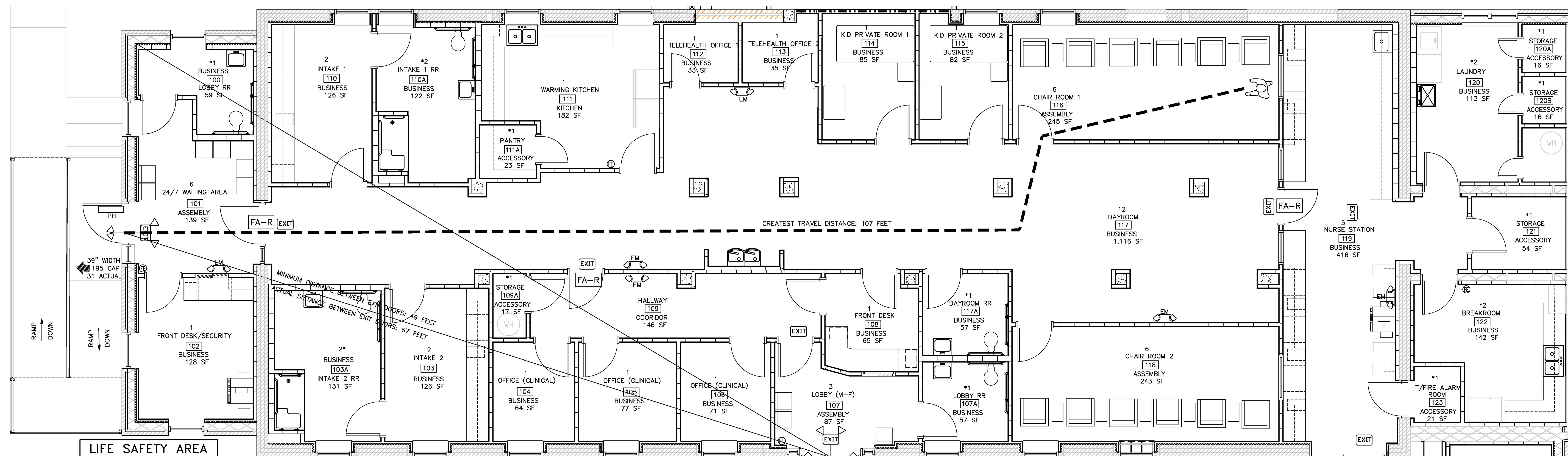
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

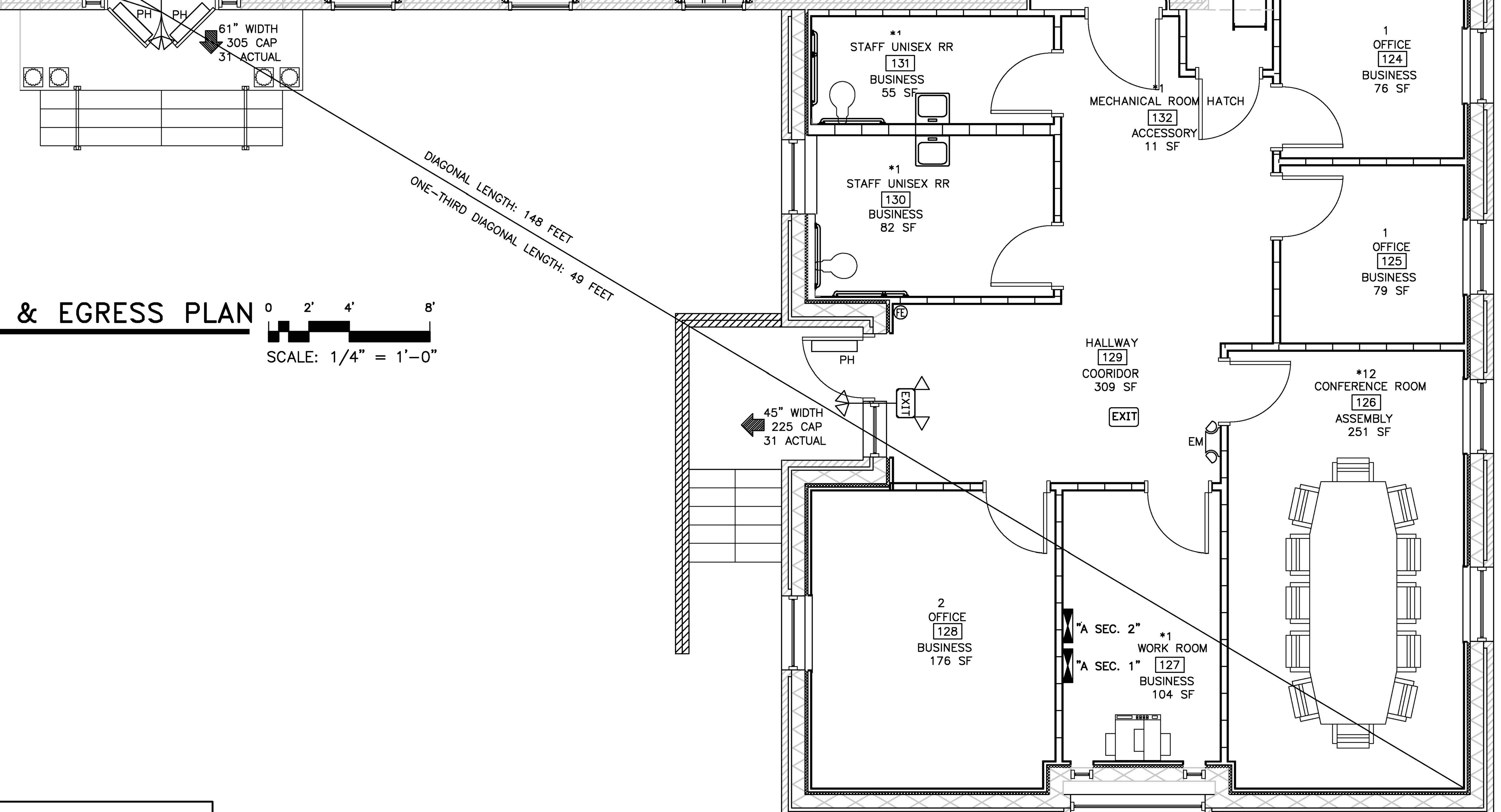
SYMBOL	DESCRIPTION	DATE	BY
-		-	-

PROJECT: *ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE*
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: BUILDING CODE SUMMARY

BCS





OCCUPANCY CLASSIFICATION per TABLE 1004.5

SPACE NUMBER	CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (GROSS SF)	CALCULATED EGRESS OCCUPANCY TOTAL	ACTUAL BUILDING OCCUPANT TOTAL
100	LOBBY RR	BUSINESS	100 GROSS	59	1	1*
101	24/7 WAITING AREA	ASSEMBLY	15 NET	139	6	6
102	FRONT DESK/SECURITY	BUSINESS	100 GROSS	128	2	2
103	INTAKE 2	BUSINESS	100 GROSS	126	2	2
103A	INTAKE 2 RR	BUSINESS	100 GROSS	131	2	2*
104	OFFICE (CLINICAL)	BUSINESS	100 GROSS	64	1	1
105	OFFICE (CLINICAL)	BUSINESS	100 GROSS	77	1	1
106	OFFICE (CLINICAL)	BUSINESS	100 GROSS	71	1	1
107	LOBBY (M-F)	ASSEMBLY	15 NET	87	3	3
107A	LOBBY RR	BUSINESS	100 GROSS	57	1	1*
108	FRONT DESK	BUSINESS	100 GROSS	65	1	1
109	HALLWAY	COORIDOR	–	146	–	–
109A	STORAGE	ACCESSORY	300 GROSS	17	1	1*
110	INTAKE 1	BUSINESS	100 GROSS	126	2	2
110A	INTAKE 1 RR	BUSINESS	100 GROSS	122	2	2*
111	WARMING KITCHEN	KITCHEN	200 GROSS	182	1	1
111A	PANTRY	ACCESSORY	300 GROSS	23	1	1*
112	TELEHEALTH OFFICE 1	BUSINESS	100 GROSS	35	1	1
113	TELEHEALTH OFFICE 2	BUSINESS	100 GROSS	38	1	1
114	KID PRIVATE ROOM 1	BUSINESS	100 GROSS	93	1	1
115	KID PRIVATE ROOM 2	BUSINESS	100 GROSS	84	1	1
116	CHAIR ROOM 1	ASSEMBLY	15 NET	245	6	6
117	DAYROOM	ASSEMBLY	15 NET	1,116	13	13
117A	DAYROOM RR	BUSINESS	100 GROSS	57	1	1*
118	CHAIR ROOM 2	ASSEMBLY	15 NET	243	6	6
119	NURSE STATION	BUSINESS	100 GROSS	416	5	5
120	LAUNDRY ROOM	BUSINESS	100 GROSS	113	2	2*
120A	STORAGE	ACCESSORY	300 GROSS	16	1	1*
120B	STORAGE	ACCESSORY	300 GROSS	16	1	1*
120C	STORAGE	ACCESSORY	300 GROSS	19	1	1*
121	STORAGE	ACCESSORY	300 GROSS	54	1	1*
122	STAFF BREAKROOM	BUSINESS	100 GROSS	130	2	2*
123	MECHANICAL	ACCESSORY	300 GROSS	71	1	1*
124	OFFICE	BUSINESS	100 GROSS	76	1	1
125	OFFICE	BUSINESS	100 GROSS	79	1	1
126	CONFERENCE ROOM	ASSEMBLY	15 NET	251	12	12*
127	WORK ROOM	BUSINESS	100 GROSS	61	1	1*
128	OFFICE	BUSINESS	100 GROSS	176	2	2
129	HALLWAY	CORRIDOR	–	328	–	–
130	STAFF UNISEX RR	BUSINESS	100 GROSS	90	1	1*
131	STAFF UNISEX RR	BUSINESS	100 GROSS	60	1	1*
132	MECHANICAL ROOM HATCH	ACCESSORY	300 GROSS	11	1	1*
ANTICIPATED OCCUPANCY					92	55

THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 92 TOTAL PERSONS
(*) DENOTES OCCUPANT NUMBER ACCOUNTED FOR IN OCCUPANT TOTAL

WORST CASE OCCUPANT CHART

A	TOTAL OCCUPANT COUNT CALCULATED BY SPACES	92
B	TOTAL OCCUPANT COUNT CALCULATED FOR BUSINESS USE @100 SF (6,511/100)	66
C	OCCUPANT LOAD BASED UPON TOTAL NUMBER OF CUSTOMERS AND WAITING SPACE;	55

*EGRESS CAPACITY SHALL BE BASED UPON CALCULATION A OR 92 PERSONS

1 LSP LIFE SAFTY & EGRESS PLAN

PLAN NORTH
TRUE NORTH

SCALE: 1/4" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION
FA-R	FIRE ALARM ACTIVATED DOOR RELEASE, DELAYED EGRESS, PER UL-294
PH	PANIC HARDWARE
FEC	ABC FIRE EXTINGUISHER CABINET SUGGESTED LOCATION
	TRAVEL DISTANCE WITH NOTED DISTANCE.
X" WIDTH 285 CAP 6	EGRESS DOOR EXIT WIDTH POTENTIAL EGRESS CAPACITY ACTUAL EGRESS CAPACITY
EXIT	EXIT SIGN
EM	EMERGENCY EGRESS LIGHTING (SEE ELECTRICAL LIGHTING PLAN)
EXIT	EXIT SIGN WITH EMERGENCY LIGHTING WITH REMOTE HEADS (ETR)

ROOM LABEL	DESCRIPTION
10	OCCUPANT TOTAL
ENTRY	ROOM NAME
101	ROOM NUMBER
MERCANTILE	FUNCTION TYPE
100 SF	SPACE AREA

GOOD HOPE BEHAVIORAL URGENT CARE

ALTERATION LEVEL III (BUSINESS):

GROSS SQUARE FOOTAGE OF EXISTING BUILDING: 6,522 SQ. FT.
TYPE OF CONSTRUCTION: III-B
BUILDING IS TO BE USED AS A B (BUSINESS)

OCCUPANT LOAD FOR CALCULATING EGRESS CAPACITY: 92
SPACE OCCUPANCY BY NET SF = 55 (PER 1004.1.1)
(SEE TABLE ON THIS SHEET FOR INDIVIDUAL SPACE TOTALS)
TOTAL OCCUPANT LOAD OF BUILDING (WORST CASE) = 92 PERSONS
92 OCCUPANTS * 0.2/OCCUPANT = 18.4" REQUIRED: 66+68+52 = 186" PROVIDED
GREATEST TRAVEL DISTANCE SHOWN: 107 FEET. (PER 1017)
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 300 FEET (PER TABLE 1017.2)
THE COMMON PATH OF TRAVEL IS LESS THAN 30 FEET. (PER 1029.8)
THERE ARE NO DEAD END CORRIDORS OVER 50 FEET. (PER 1020.4)

THIS BUILDING IS PROTECTED BY FIRE SPRINKLERS
THERE IS A FIRE ALARM SYSTEM.
NUMBER OF EXITS REQUIRED: TWO(2) (TABLE 1006.2.1)
(MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE FOR BUSINESS USE WITH FIRE SPRINKLER IS 100 FEET. TABLE 1006.2.1)
NUMBER OF EXITS PROVIDED: THREE(3) EXISTING: ONE(1) ACCESSIBLE TWO(2) INACCESSIBLE
DOORS DO HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.7)
DOORS DO HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)
DOORS DO NOT HAVE HOLD OPEN DEVICES.
EXIT DOORS REQUIRE PANIC HARDWARE.
NO. OF FIRE EXTINGUISHERS PROVIDED:
PROVIDE FIVE (5) NEW FIRE EXTINGUISHER WITH CABINETS IN THIS BUILDING.
FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS REQUIRE NO GREATER THAN 75 FT OF MAXIMUM TRAVEL DISTANCE IN LOW, ORDINARY AND EXTRA HAZARD OCCUPANCY.

LEGEND:

1 HOUR RATED WALL
2 HOUR RATED WALL (EXISTING TO REMAIN)

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
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NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY DODSON
25 JULY 2025

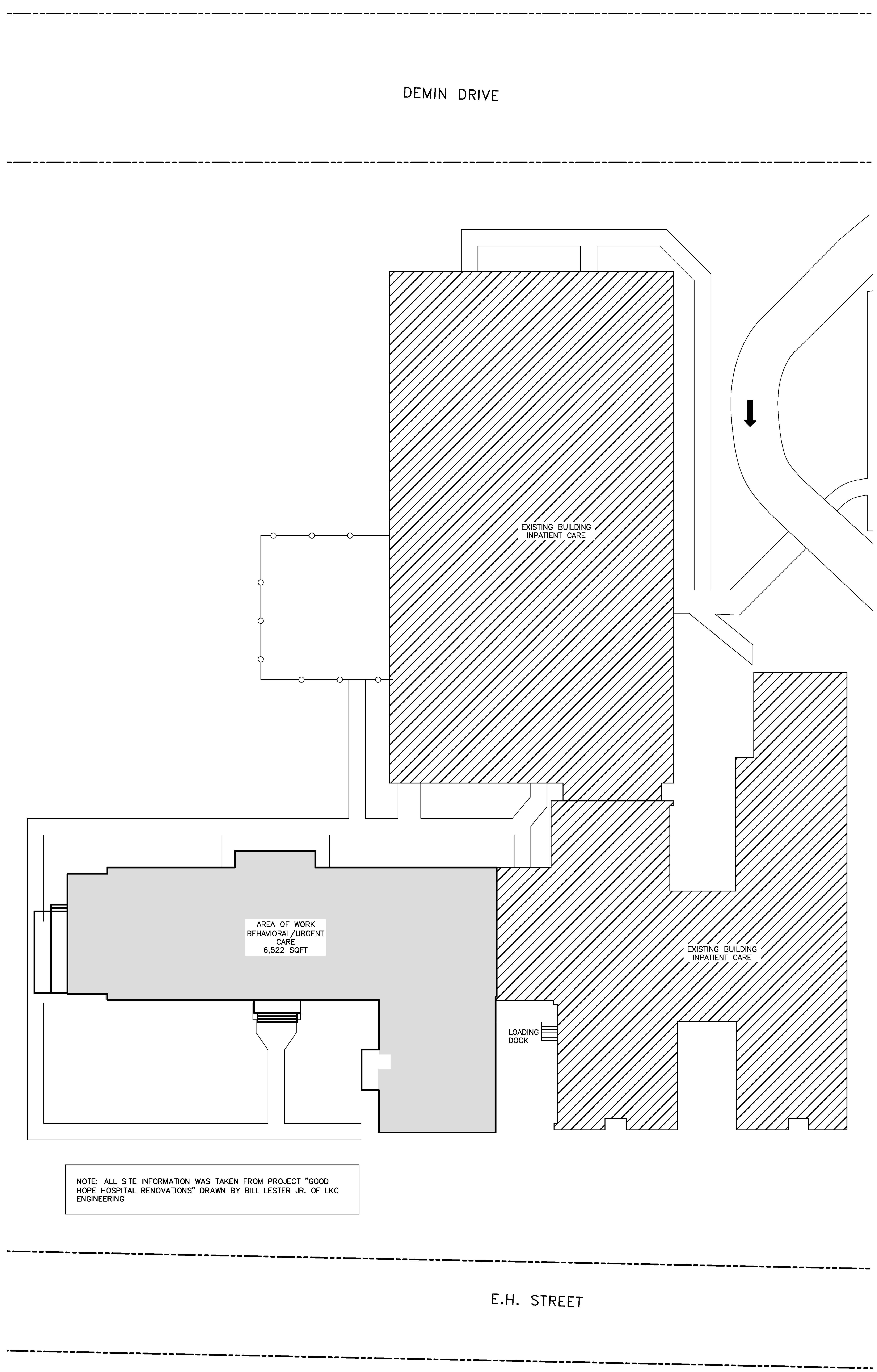
DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [ ] FOR REVIEW PURPOSES ONLY
PRELIMINARY [ ] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339
SHEET: LIFE SAFETY & EGRESS PLAN

LSP



NOTE: ALL SITE INFORMATION WAS TAKEN FROM PROJECT "GOOD HOPE HOSPITAL RENOVATIONS" DRAWN BY BILL LESTER JR. OF LKC ENGINEERING

PLAN NORTH / TRUE NORTH

1 / G1 EXISTING BUILDING LAYOUT

SCALE: 1/16" = 1'-0"

SCOPE OF WORK OUTLINE

EXISTING CONDITIONS
PERFORM BUILDING DEMOLITION PER G15 DRAWINGS

CONCRETE
POURING & CASTING OF CONCRETE FOOTINGS
(SEE STRUCTURAL DRAWINGS)
POURING & CASTING OF CONCRETE STOOP AND STEPS NEAR THE SPRINKLER RISER ROOM IN REAR
SAW CUT AND CORE DRILL CONCRETE FOR MECHANICAL AND PLUMBING

MASONRY
MASONRY FACADE OF EXTERIOR WALLS
CONSTRUCTION OF FOUNDATION
CONSTRUCTION OF BRICK VENEER SYSTEMS WITH ACCENT BRICK

FRAMING
INSTALLATION OF EXTERIOR LOAD BEARING WALLS
INSTALLATION OF PRE-ENGINEERED WOOD TRUSSES
BLOCKING FOR WALL MOUNTED ACCESSORIES
BLOCKING FOR CABINETRY
INSTALLATION OF METAL FRAMING/FURRING STUDS
WINDOW SILL FRAMING
TRUSSES WITH PLYWOOD

THERMAL & MOISTURE PROTECTION
THERMAL INSULATION OF METAL TRUSS ROOF W/ R-49 CLOSED CELL SPRAY FOAM
THERMAL INSULATION OF WOOD TRUSS ROOF W/ R-42 CLOSED CELL SPRAY FORAM
THERMAL INSULATION OF EXTERIOR WALLS WITH R-9.5 CONT. INSULATION (TWO (2) LAYERS OF 2.0" POLYISO)
THERMAL INSULATION OF EXTERIOR WALL WITH R-13 IN THE SPRINKLER RISER ROOM(METAL STUD FRAMING)
THRU-WALL FLASHING AT OPENINGS AND WALL BASE

OPENINGS
INSTALLATION OF ONE (1) HOLLOW METAL EXTERIOR DOOR & FRAME, INSTALLATION OF METAL INTERIOR FRAMES & INTERIOR WOOD DOORS, MECHANICAL ACCESS LADDER, ALUMINUM-FRAMED ENTRANCE, AND DOOR HARDWARE (MATCH EXISTING HARDWARE)
INSTALLATION OF INTERIOR WINDOWS
INSTALLATION OF REPLACEMENT EXTERIOR WINDOW (SEE SHEET G5)

FINISHES
APPLICATION OF GYPSUM BOARD, CERAMIC/PORCELAIN TILING, VINYL BASE, LVP, EXTERIOR EIFS, VINYL AND ALUMINUM TRIM, ACOUSTICAL CEILINGS, WALL/CEILING PAINTING, ROOM SIGNAGE, & INTERIOR FINISHING

CABINETRY
INSTALLATION OF MANUFACTURED WOOD CASEWORK & COUNTERTOPS

SPECIALTIES
INSTALLATION OF TOILET PARTITIONS AND RESTROOM ACCESSORIES (SEE SHEETS G13.1-G13.5)

LIFE SAFETY
INSTALLATION OF LIFE SAFETY DIRECTORIES/SIGNAGE, FIRE EXTINGUISHER BRACKETS, & EGRESS LIGHTING

ADA COMPLIANT ACCESSORIES
INSTALLATION OF WALL-MOUNTED RESTROOM FIXTURES, MIRRORS, DISPENSERS, HANDRAILS, & BRAILLE SIGNAGE.

MECHANICAL
ROUGH IN INSULATED HVAC DUCTWORK W/ SUPPORTS & NOISE/VIBRATION CONTROL.
INSTALLATION OF FANS/CASINGS, GRILLES/RETURNS, INDOOR AIR-HANDLING UNITS, & AIR-SOURCE UNITARY HEAT PUMPS, SPLIT SYSTEM UNITS.
VOLUME/CONTROL DAMPERS, MOTORIZED DAMPERS, FIRE DAMPERS, AND BACKDRAFT DAMPERS.
INSTALLATION OF THERMOSTATS.
PROVIDE DRYER VENT FROM LAUNDRY
TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM.

ELECTRICAL
ROUGH IN MEDIUM-VOLTAGE CABLES, & CONTROL/COMMUNICATION/SIGNAL WIRING
INSTALLATION OF RACEWAY & BOXES FOR ELECTRICAL/COMMUNICATION SYSTEMS, LIGHTING CONTROLS, PANEL BOARDS, WIRING DEVICES, ENCLOSED SWITCHES & CIRCUIT BREAKERS, INTERIOR/EXTERIOR LIGHTING, SERVICE,
GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
LOW VOLTAGE ROUGH-IN FOR DATA, INTERNET, CAMERA SYSTEM.

PLUMBING
ROUGH IN WATER SUPPLY LINES W/ INSULATION
ROUGH IN SANITARY SEWER LINES & VENT PIPING
INSTALLATION OF WATER CLOSETS, LAVATORIES, UTILITY SINK, HI-LO WATER COOLERS.
INSTALLATION OF KITCHEN SINKS, AND FLOOR DRAINS.
INSTALLATION OF WATER HEATERS, EQUIPMENT STANDS, DRAIN PANS, EXPANSION TANK, RE-CIRCULATION PUMP.

FIRE ALARM/SECURITY
INSTALLATION OF SECURITY SYSTEM.
INSTALLATION OF FIRE ALARM EQUIPMENT WHICH MONITORED BY A CENTRAL STATION.
INSTALLATION OF SMOKE DETECTORS, HEAT DETECTORS, FLOW SWITCH.
INSTALLATION OF CARBON MONOXIDE DETECTOR IN KITCHEN AREA.

ACOUSTICAL
INSTALLATION OF 2X2 LAY-IN ACOUSTICAL CEILING
INSTALLATION OF VINYL COATED 2X2 LAY-IN CEILING IN WARMING KITCHEN, BREAKROOM AND RESTROOM AREAS.

AUTOMATIC FIRE SPRINKLER SYSTEM
ROUGH-IN MAIN WATER LINE FOR THE SPRINKLER SYSTEM TO RISER ROOM
INSTALLATION OF WATER SUPPLY LINES FOR THE FIRE SPRINKLER SYSTEM THROUGH OUT THE BUILDING
PROVIDE CONCEALED SPRINKLER HEADS FOR ALL ROOMS & SPACES
PROVIDE UPRIGHT SPRINKLERS IN ATTIC SPACES

GENERAL DEMOLITION NOTES

1. THE DRAWINGS SHOW THE EXISTING BUILDING SHELL FOLLOWING COMPLETE INTERIOR DEMOLITION. THESE DRAWINGS PROVIDE ORIGINAL CONSTRUCTION DETAILS FROM FIELD SURVEY.
2. THE DRAWINGS INDICATE ORIGINAL CONSTRUCTION OF STRUCTURAL MEMBERS AND FRAMING.
3. THE DRAWINGS INDICATE AREAS WHERE DEMOLITION OF ELEMENTS OR SURFACES IS RESTRICTED.
4. COORDINATE ALL FLOOR AND ATTIC PENETRATIONS IN ADVANCE AND OBTAIN ENGINEER APPROVAL PRIOR TO CUTTING ANY OPENINGS THROUGH FLOOR AND ATTIC SLABS.
5. USE CARE IN DEMOLITION OF EXTERIOR WALLS FOR WALL PENETRATIONS DUE TO HVAC EQUIPMENT INSTALLATION.
6. THE EXISTING WINDOWS WERE REPLACED WITH NEW. USE CARE NOT TO DAMAGE EXISTING REPLACEMENT WINDOWS.
7. SEE SHEET G5 FOR LOCATION OF WINDOW SASH THAT REQUIRES REPLACEMENT.

PROJECT SCOPE:

THIS PROJECT CONSISTS OF A LEVEL-III ALTERATION AND CHANGE OF USE. THE PREVIOUS USE WAS AN INSTITUTIONAL USE (HOSPITAL). THE NEW USE SHALL BE A BEHAVIORAL URGENT CARE (BUSINESS USE).

-SEE EXISTING BUILDING PLANS FOR WALLS, FLOORING, DOORS, AND OTHER EQUIPMENT TO BE REMAIN. SEE CALLOUT PLAN FOR NEW FLOOR PLAN INFORMATION. SEE DIMENSIONED FLOOR PLAN FOR NEW FLOOR PLAN DIMENSIONS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF NEW WALLS WITH EXISTING BUILDING SHELL.

-MECHANICAL: THE MECHANICAL SCOPE OF WORK INCLUDES THE ROUGH IN INSULATED HVAC DUCTWORK WITH SUPPORTS & NOISE/VIBRATION CONTROL. INSTALLATION OF FANS/CASINGS, GRILLES/RETURNS, INDOOR AIR-HANDLING UNITS, & AIR-SOURCE UNITARY HEAT PUMPS, SPLIT SYSTEM UNITS. INSTALLATION OF VOLUME/CONTROL DAMPERS, MOTORIZED DAMPERS, FIRE DAMPERS, AND BACKDRAFT DAMPERS. INSTALLATION OF ECONOMIZER WITH BAROMETRIC RELIEF DAMPER, CONTROL SYSTEM, AND THERMOSTATS. TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL DRAWINGS FOR THE EXISTING STRUCTURAL CEILING SYSTEM FOR ALLOWABLE AREAS OF DUCT PENETRATIONS.

-ELECTRICAL: THE ELECTRICAL SCOPE OF WORK INCLUDES THE COMPLETE REPLACEMENT OF THE BUILDING;S ELECTRICAL SYSTEM, AS IT WAS PREVIOUSLY STRIPPED OF ALL COMPONENTS, INCLUDING LIGHTING, RECEPTACLES, CONDUITS, SERVICE EQUIPMENT, AND THE ORIGINAL PAD-MOUNTED TRANSFORMER. A NEW 400A, 3-PHASE, 4-WIRE 208-120V SERVICE ENTRANCE WILL BE PROVIDED, CONSISTING OF A METER AND DISCONNECT COMBINATION UNIT MOUNTED ON THE EXTERIOR WALL. THE NEW SERVICE WILL BE FED UNDERGROUND FROM A NEW POLE-MOUNTED TRANSFORMER. NEW INSTALLATION OF INTERIOR LIGHTING, RECEPTACLES, AND BRANCH CIRCUITS FOR EQUIPMENT, LOW-VOLTAGE FOR DEVICES, AND A FIRE ALARM SYSTEM. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL DRAWINGS FOR THE EXISTING STRUCTURAL FOUNDATION AND CEILING SYSTEM FOR ALLOWABLE AREAS OF PIPE/CONDUIT PENETRATIONS.

-PLUMBING: THE PLUMBING SCOPE OF WORK INCLUDES THE COMPLETE REPLACEMENT OF THE PLUMBING SYSTEM FOR AN EXISTING COLD SHELL BUILDING, WHERE ALL EXISTING WATER SERVICE, WATER AND WASTE PIPING, AND PLUMBING FIXTURES HAVE BEEN REMOVED, PROVIDING NEW DOMESTIC WATER AND SANITARY SEWER LINES TO SERVE THE BUILDING'S NEW LAYOUT. INSTALLATION OF A NEW WATER METER AND BACKFLOW PREVENTER (TO BE COORDINATED WITH THE SITE PLAN), NEW WATER AND WASTE PIPING FOR ALL PLUMBING FIXTURES, A WATER HEATER WITH A RECIRCULATION SYSTEM, AND A COMPLETE VET SYSTEM EXTENDED TO THE ROOF. ALL CONNECTIONS TO THE EXISTING PROPERTY'S UTILITY MAINS SHALL BE MADE AS REQUIRED. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL DRAWINGS FOR THE EXISTING STRUCTURAL FOUNDATION AND CEILING SYSTEM FOR ALLOWABLE AREAS OF PIPE PENETRATIONS.

RENOVATION GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW ALL OF THE DETAILS, MATERIALS AND METHODS REQUIRED TO COMPLETE CONSTRUCTION. THE DRAWING PACKAGE AS A WHOLE SHOULD BE USED TO UPFIT THE SPACE AS DESCRIBED. THERE ARE NO TECHNICAL SPECIFICATIONS INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE PLANS DO NOT INCLUDE FINISH MATERIALS AND COLORS OF SELECTED ITEMS. MATERIAL SELECTIONS AND COLORS SHALL BE COORDINATED WITH OWNER.
2. THE EXISTING INTERIOR SURFACES OF EXTERIOR WALLS AND OTHER INTERIOR WALLS THAT ARE TO REMAIN SHALL BE PATCHED WITH GWB MUD AND OR SPACKLING TO OBTAIN A UNIFORM AND MATCHING FINISH. ALL NEW WALLS SHALL BE FINISHED TO A SIMILAR LEVEL 4 FINISH GRADE.
3. EXISTING FLOORS SHALL BE SAW-CUT WITH WET DIAMOND BLADES FOR NEW PLUMBING ROUGH-INS. THESE FLOORS SHALL BE PROPERLY BACKFILLED AND FINISHED FLUSH WITH THE ORIGINAL FLOOR SURFACES.
4. DIMENSIONS ARE TO FINISHED FACE OF INTERIOR STUD WALLS UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL COORDINATE ALL WORK AND ADJUST TO THE ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD. COORDINATION OF WORK BETWEEN THE VARIOUS TRADES IS ALSO REQUIRED. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL COORDINATE WORK, TRADES, AND SHALL VERIFY DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, EXISTING CONDITIONS AND PROPOSED NEW CONSTRUCTION PRIOR TO COMMENCING ANY WORK, MATERIAL ORDERING, OR FABRICATION.
7. WORK SHALL BE FIRST CLASS TO THE ENTIRE SATISFACTION OF THE OWNER.
8. COORDINATE ALL ELECTRICAL/PLUMBING/MECHANICAL ROUGH-IN FOR THE EXISTING BUILDING. DO NOT CUT OR MODIFY EXISTING FRAMING OR BUILDING ELEMENTS WITHOUT APPROVAL OF OWNER AND DESIGN PROFESSIONALS.
9. ALL NEW INTERIOR WALLS ARE DETAILS ON THE PLANS.
10. PATCH & REPAIR: THE CONTRACTOR SHALL PATCH AND/OR REPAIR WITH NEW ANY WORK DAMAGED OR DISTURBED CAUSED BY THE CONTRACTOR AS A RESULT OF PROVIDING FOR OR INSTALLING NEW WORK SHOWN ON THE CONTRACT DOCUMENTS.
11. CAULK ALL PENETRATION, OUTLETS, ETC. ON ALL DEMISING PARTITIONS. LEAVE ALL WORK COMPLETE AND READY FOR THE INTENDED USE.
12. ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE REMOVED FROM THE SITE UPON COMPLETION. THE CONTRACTOR SHALL PROVIDE CLEANING SERVICES FOR THE OWNER SPACE AND DELIVER THE PROJECT COMPLETED.
13. PROVIDE BLOCKING IN WALLS AT MILLWORK, HARDWARE & ACCESSORIES LOCATIONS. BLOCKING CAN BE WOOD.
14. CONSTRUCTION TO COMPLY WITH ALL STATE AND LOCAL CODES.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

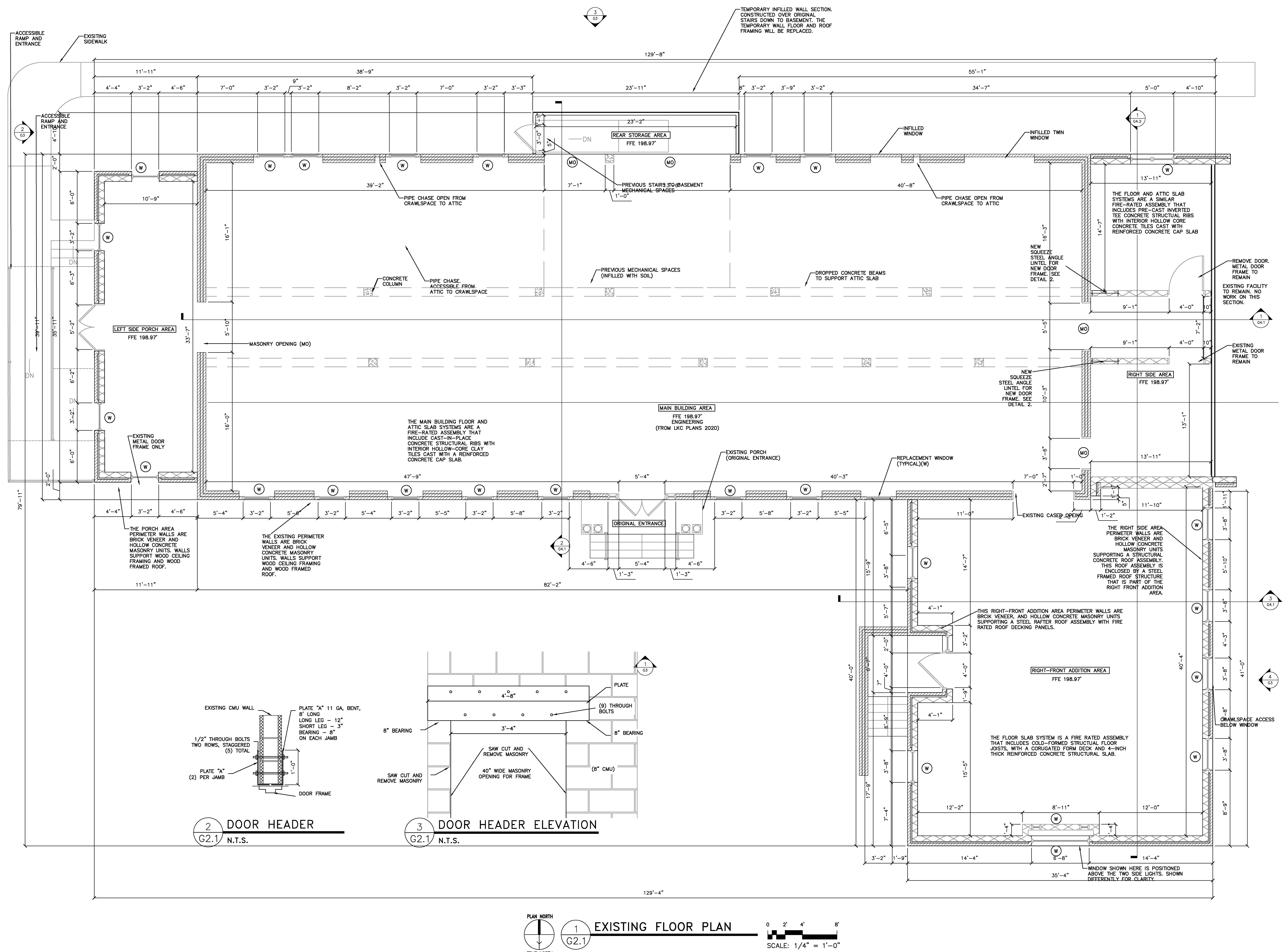
DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

OWNER/TENANT: GOOD HOPE HOSPITAL
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: EXISTING BUILDING LAYOUT AND OUTLINE SPECS

G1



2 DOOR HEADER
G2.1 N.T.S.

3 DOOR HEADER ELEVATION
G2.1 N.T.S.

1 EXISTING FLOOR PLAN
G2.1

SCALE: 1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3070

25 JULY 2025

DESIGNED/CHECKED BY: KJD
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PROJECT #: 2025-01-16
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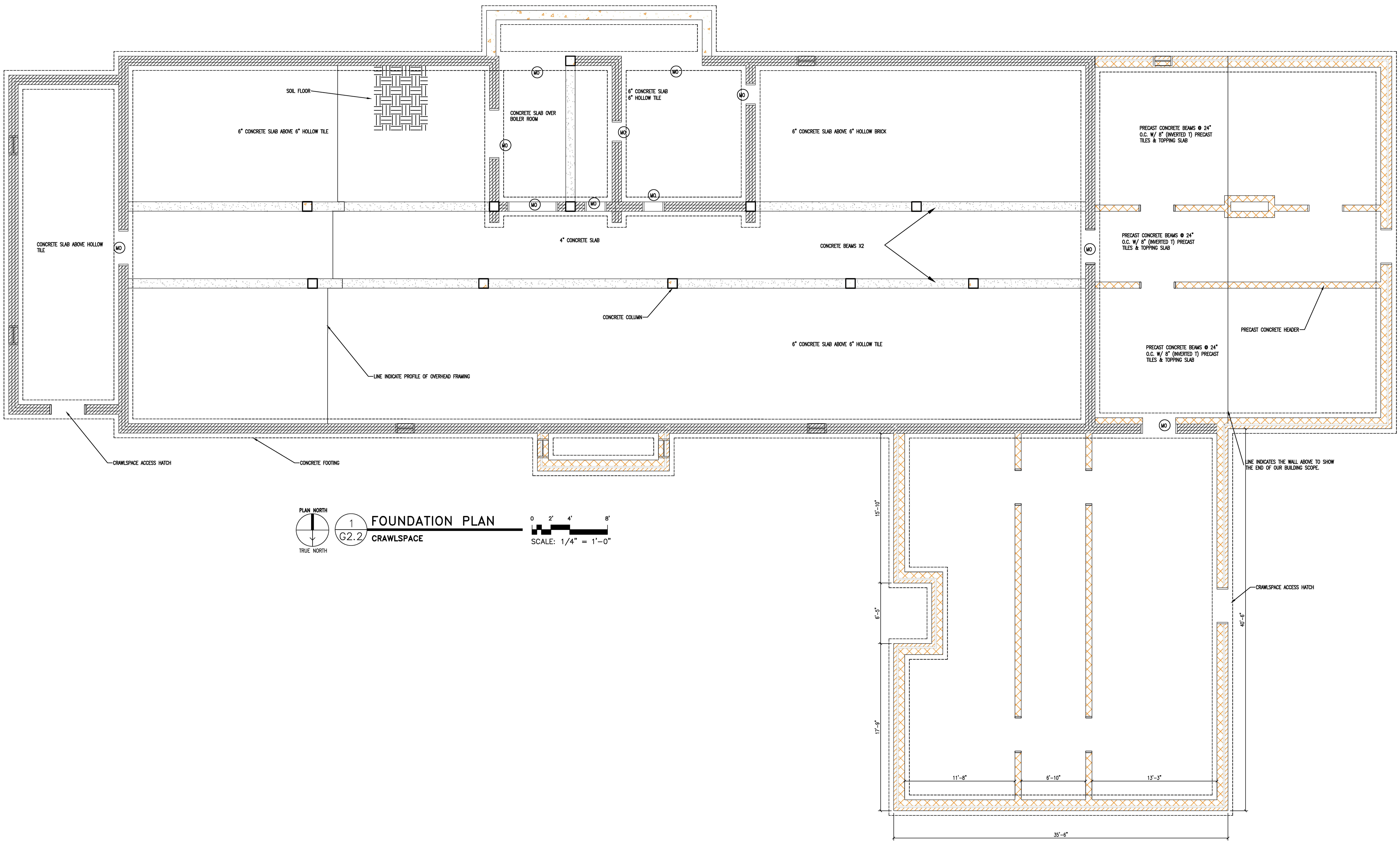
SHEET: EXISTING FLOOR PLAN

G2.1



1 G2.2 FOUNDATION PLAN
CRAWLSPACE

SCALE: 1/4" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL C-3070 JENKINS CONSULTING ENGINEERS, PA CORPORATION

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON

25 JULY 2025

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410 DENIM DRIVE, ERWIN, NC 28339

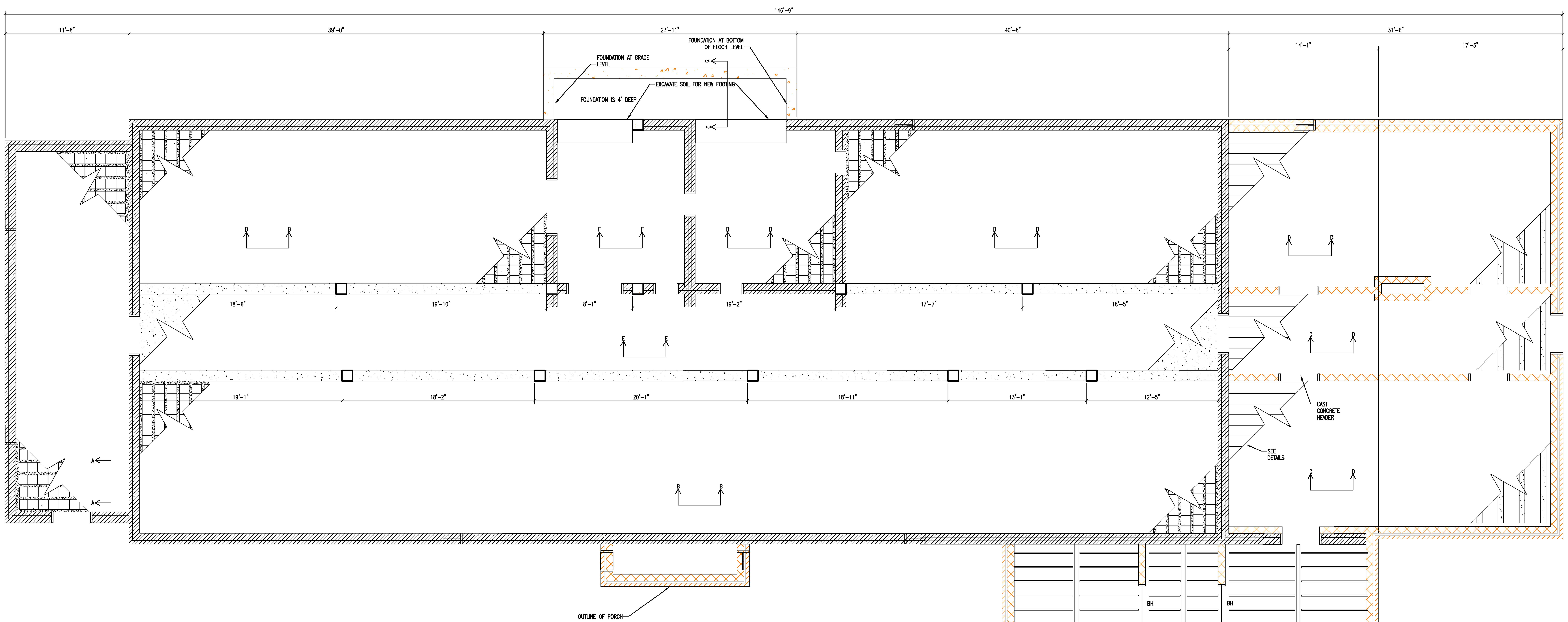
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

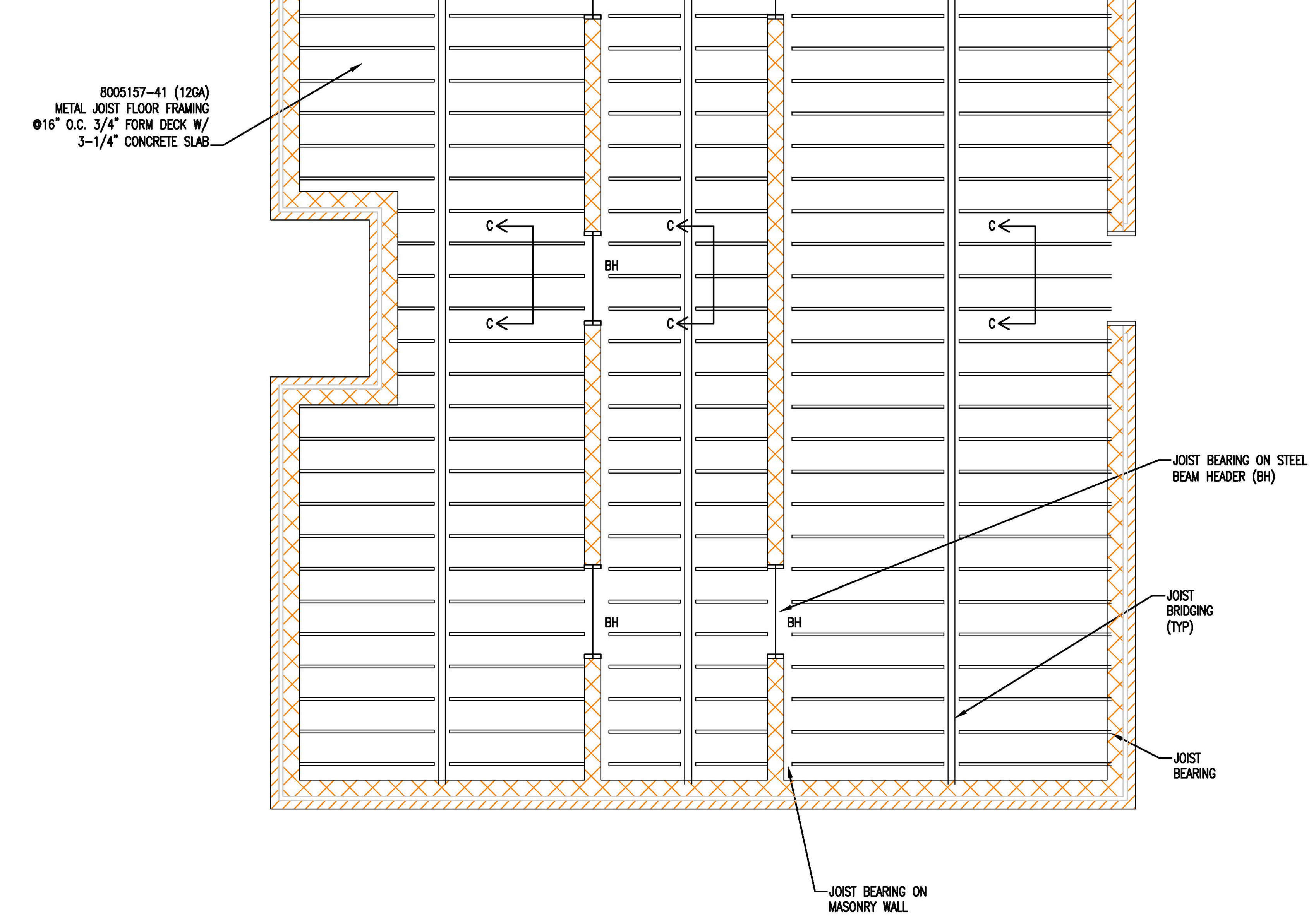
SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
EXISTING FOUNDATION PLAN

G2.2





TAG	DETAIL	DESCRIPTION	AREA
A-A	8"	4" CONCRETE 4" HOLLOW TILE	LEFT PORCH SECTION
B-B	12"; 1" TOPPING SLAB	6" CONCRETE 6" HOLLOW TILE	TYPICAL FLOOR SECTION
C-C	3¼"; 8" JOIST	8" LIGHT-GAGE STRUCTURED FLOOR JOIST, 3/4" FORM DECK, 3-1/4" CONCRETE SLAB	RIGHT SIDE ADDITION SECTION
D-D	TOPPING SLAB; 7¼"; 4"; 3¼"; HOLLOW CONCRETE TILE; PRE-CAST INVERTED T	3-1/4" CONCRETE SLAB 4" PRECAST HOLLOW CONCRETE TILE AND PRE-CAST INVERTED CONCRETE TEE	RIGHT SIDE FLOOR SECTION
E-E	7¼"	7-1/4" REINFORCED CONCRETE	CORRIDOR FLOOR SECTION
F-F	5"	5" REINFORCED CONCRETE	BOILER BASEMENT SECTION
G-G	8"; 2'-5"	NEW FLOOR SLAB, SEE DETAILS	STORAGE ROOM SECTION

2 G2.3 FLOOR SLAB SECTIONS

PLAN NORTH
TRUE NORTH

1 G2.3 GROUND FLOOR FRAMING PLAN

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

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

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NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
25 JULY 2025

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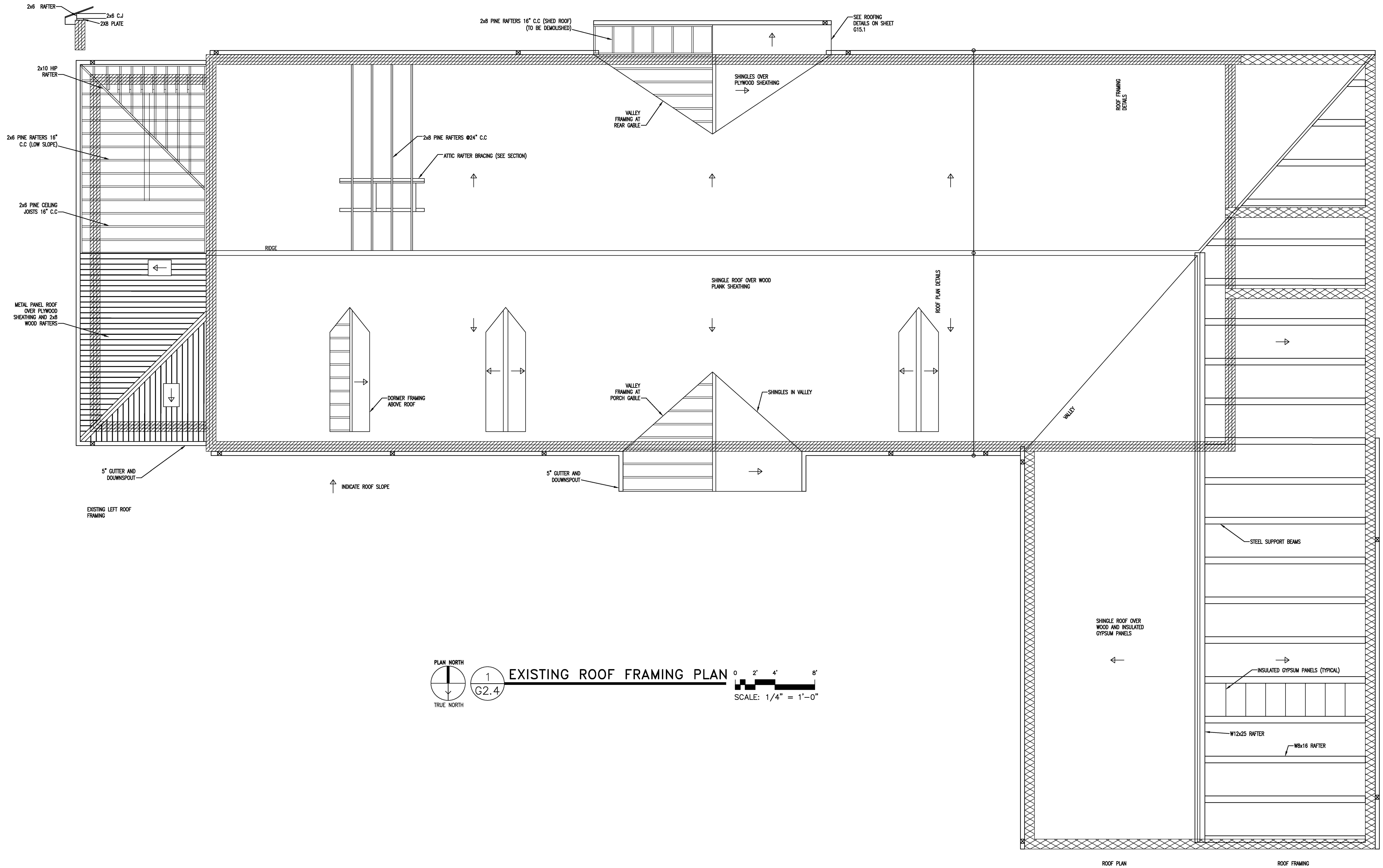
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: EXISTING GROUND FLOOR FRAMING PLAN

G2.3



1 G2.4 EXISTING ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON

25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

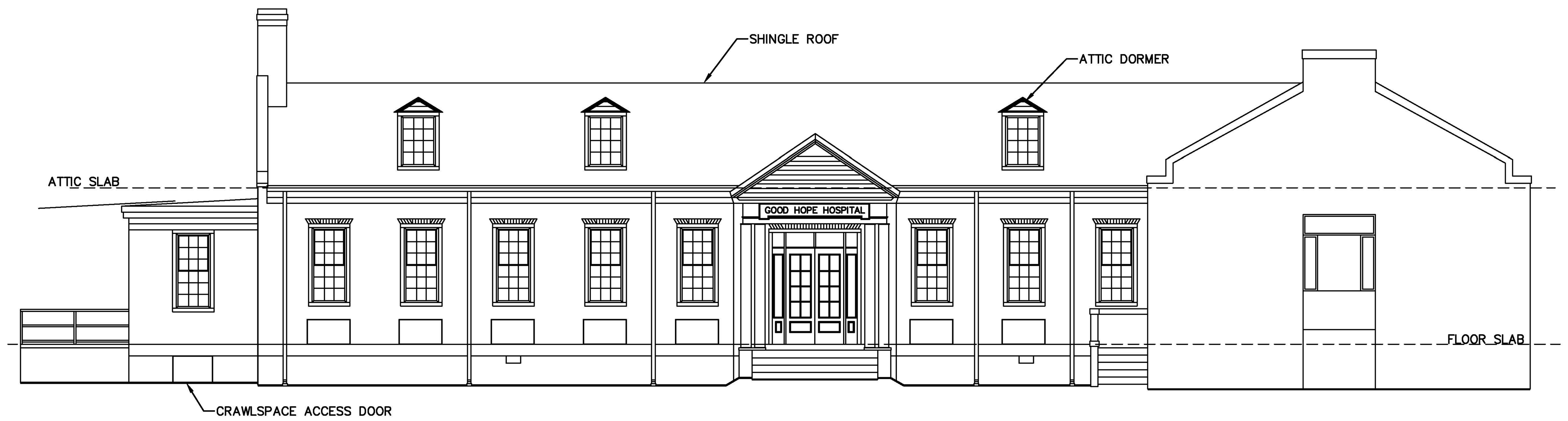
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

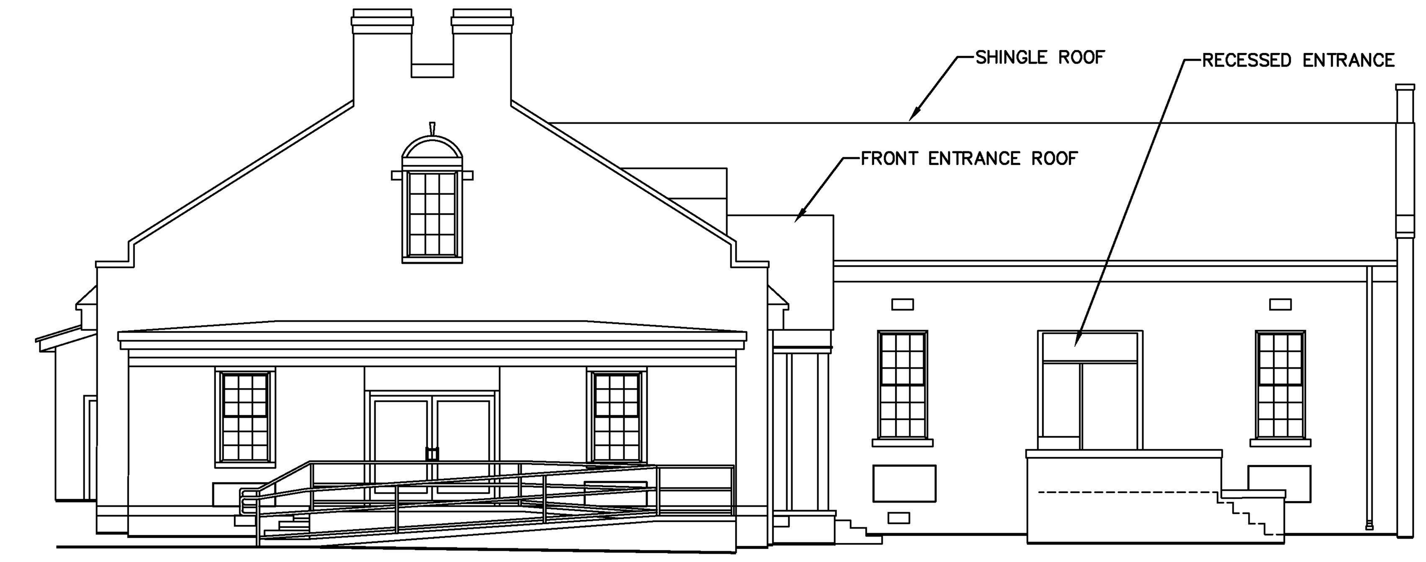
PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
EXISTING ROOF FRAMING PLAN

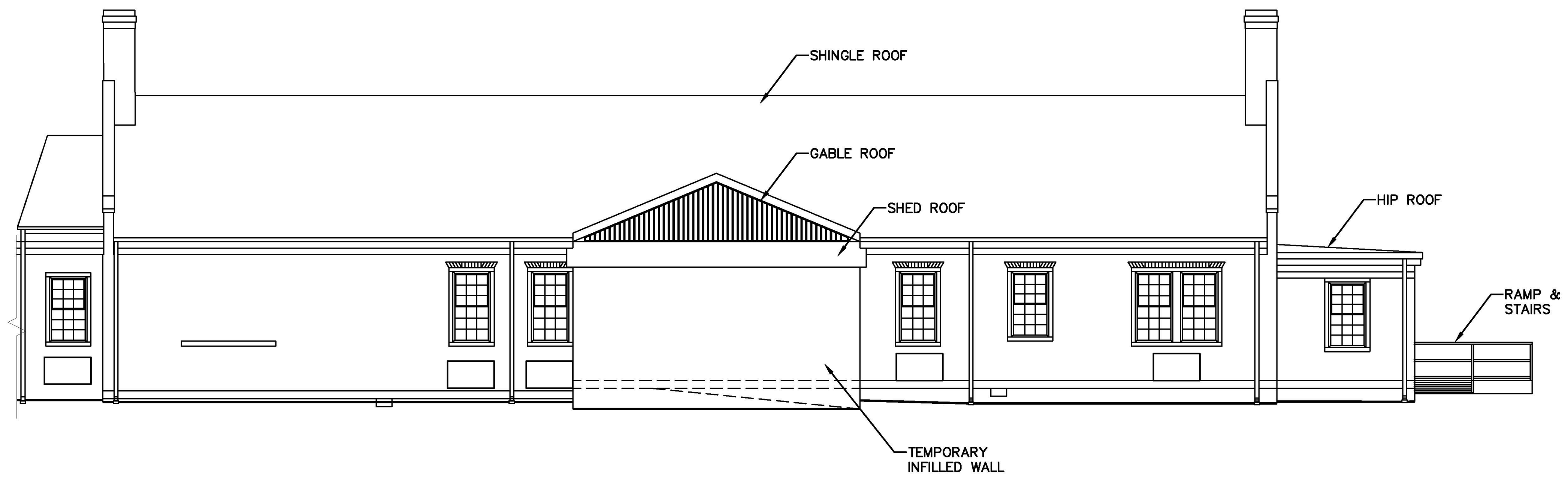
G2.4



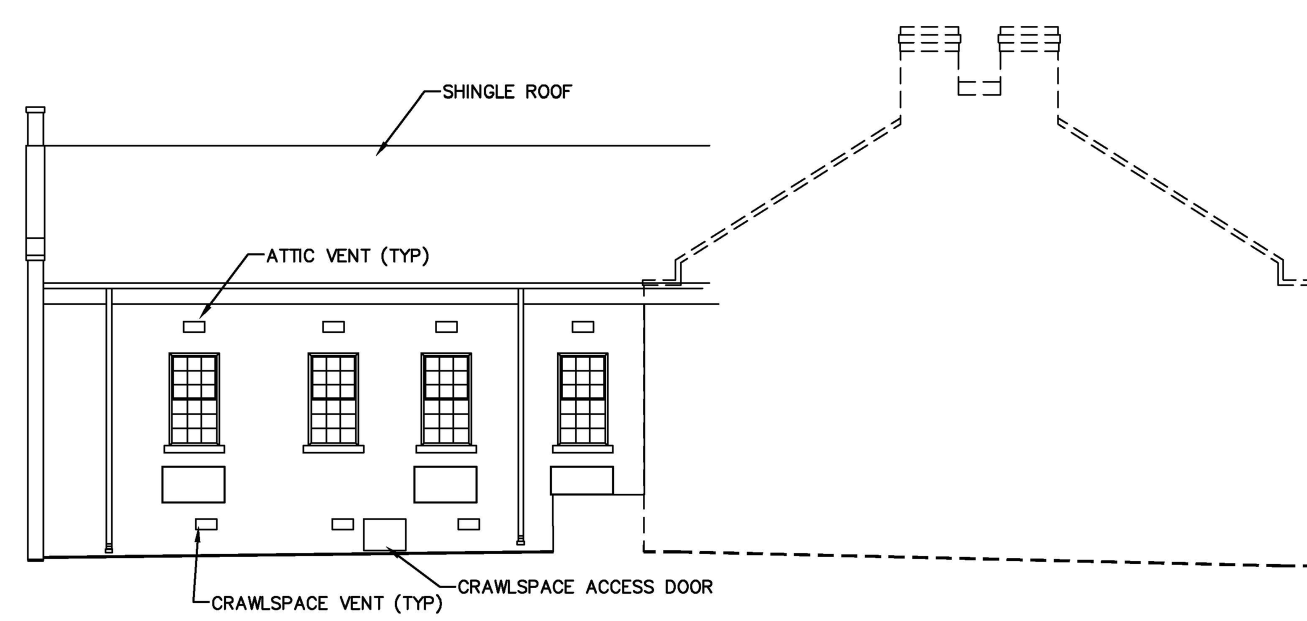
1 / G3 EXISTING ELEVATION
NORTH (FRONT)
SCALE: 1/8" = 1'-0"



2 / G3 EXISTING ELEVATION
EAST (LEFT SIDE)
SCALE: 1/8" = 1'-0"



3 / G3 EXISTING ELEVATION
SOUTH (REAR)
SCALE: 1/8" = 1'-0"



4 / G3 EXISTING ELEVATION
WEST (RIGHT SIDE)
SCALE: 1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
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ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
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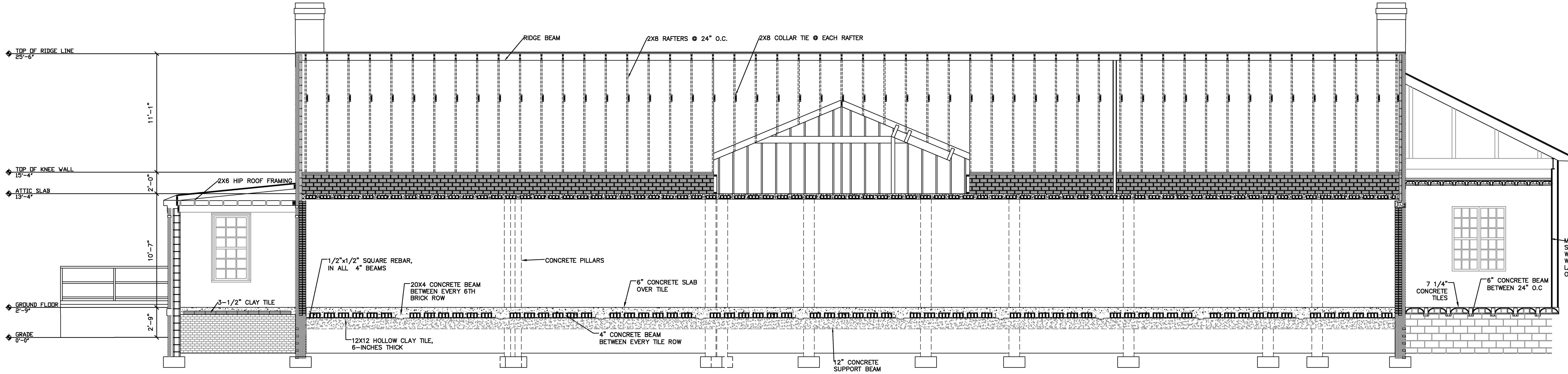
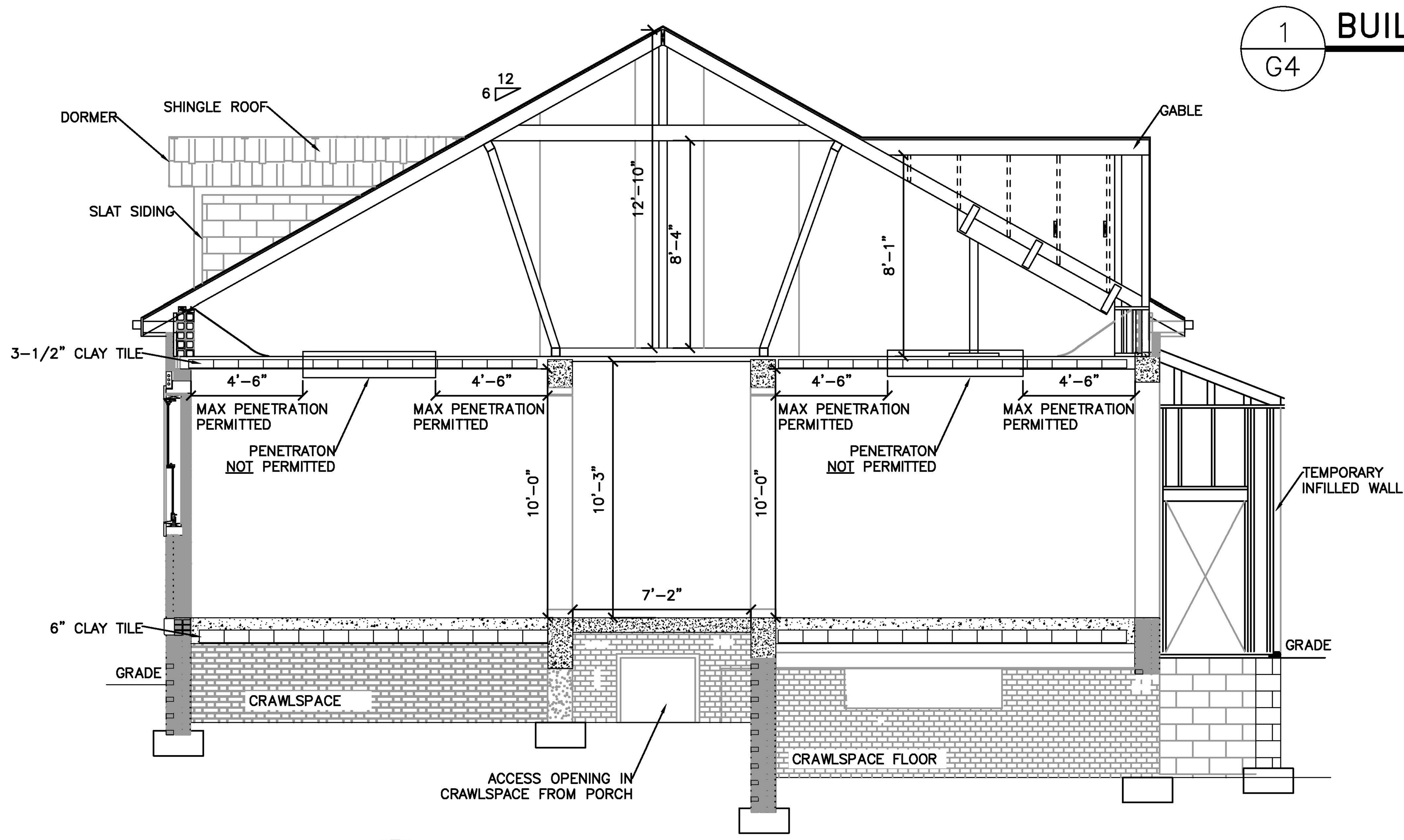
SHEET:
BUILDING ELEVATIONS

G3



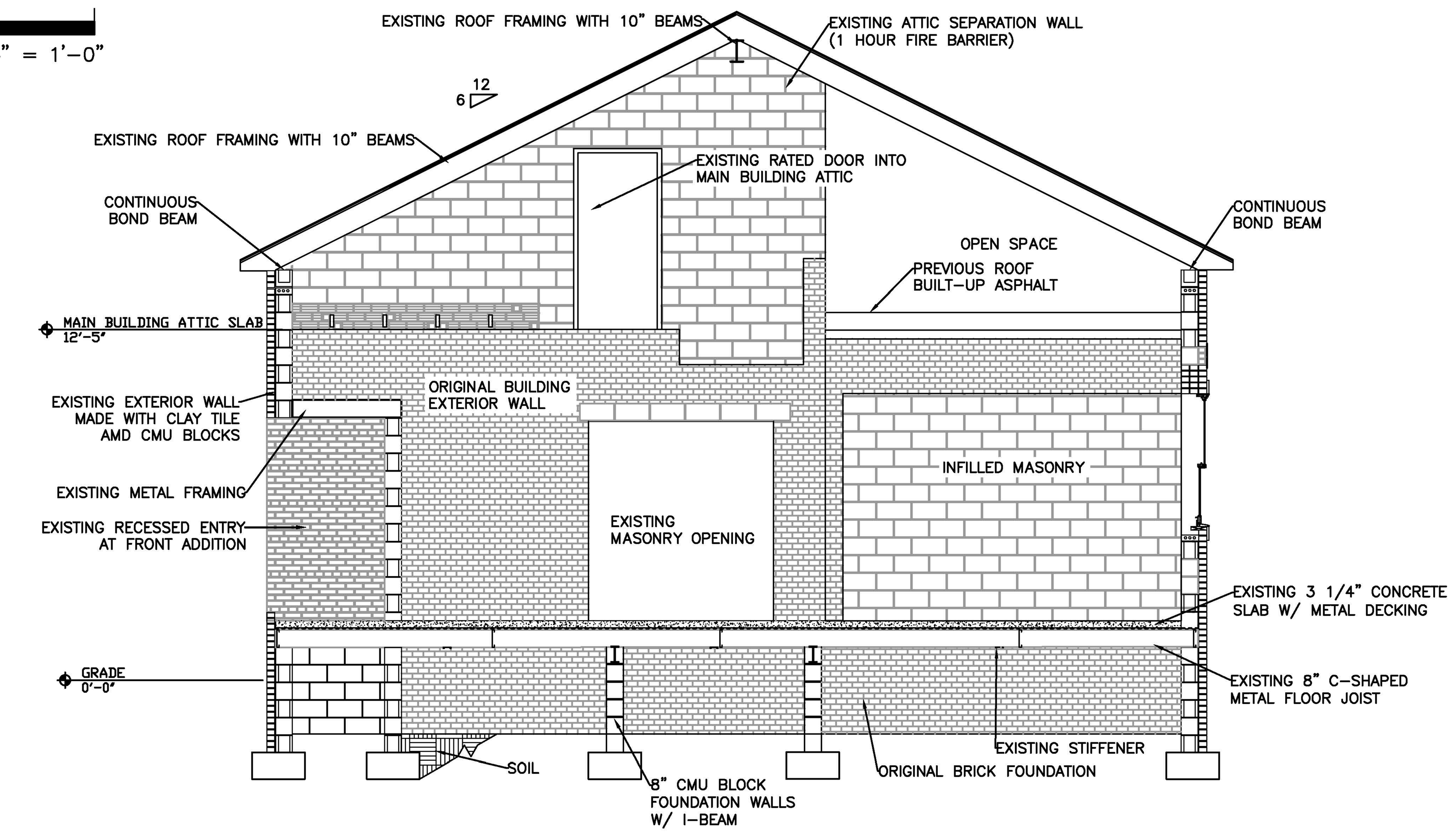
1 G4 BUILDING SECTION A

SCALE: 1/4" = 1'-0"



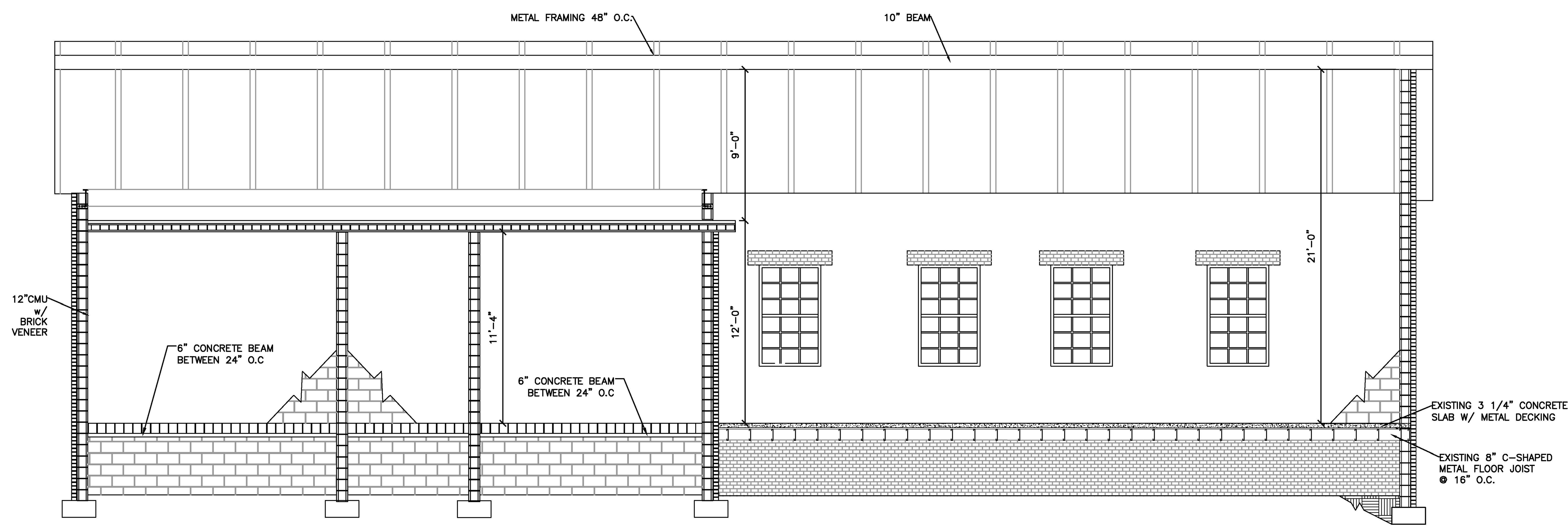
2 G4 BUILDING SECTION B

SCALE: 1/4" = 1'-0"



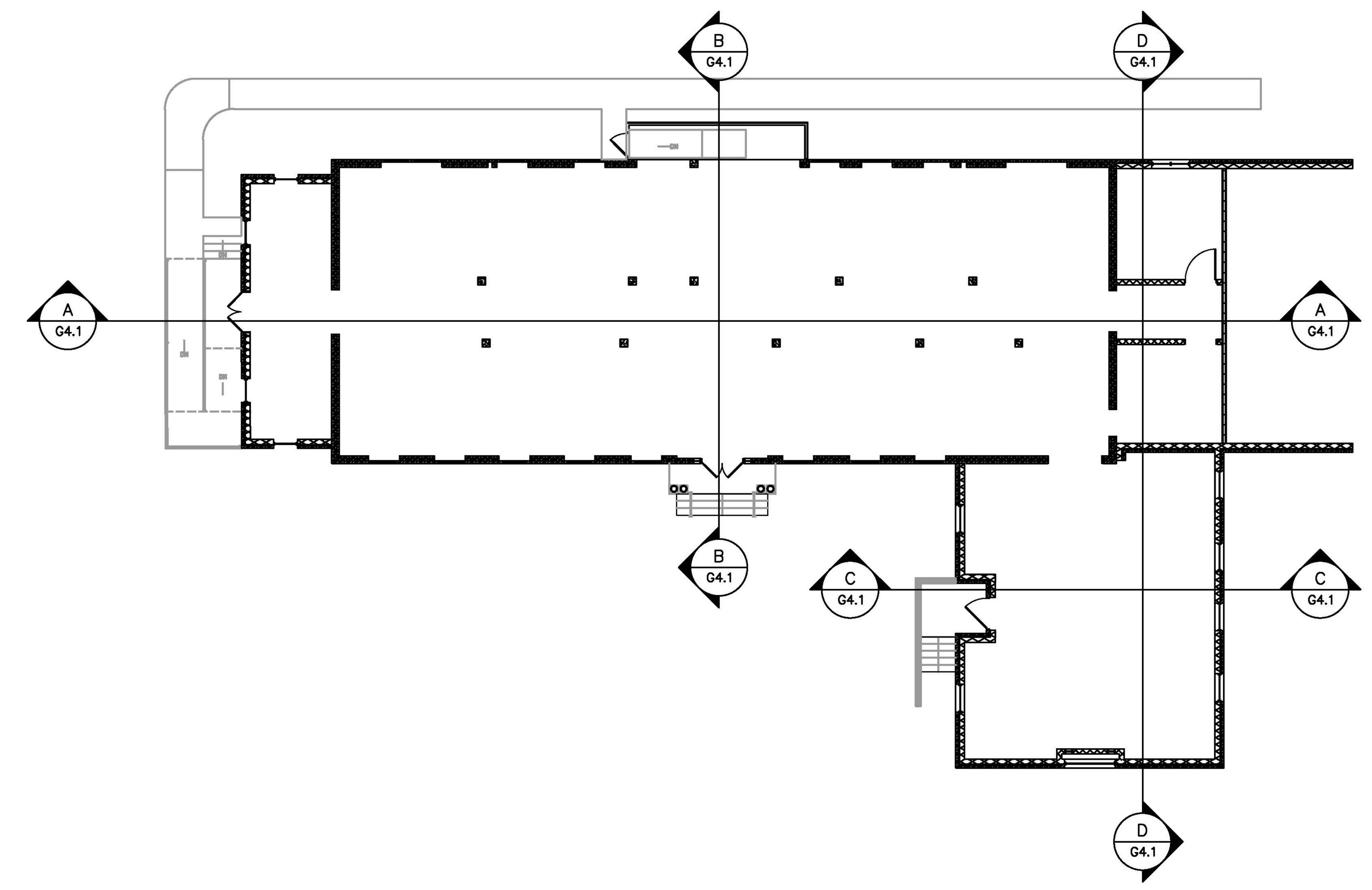
3 G4 BUILDING SECTION C

SCALE: 1/4" = 1'-0"



4 G4 BUILDING SECTION D

SCALE: 1/4" = 1'-0"



5 G4 SECTION KEY PLAN

SCALE: 1/16" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

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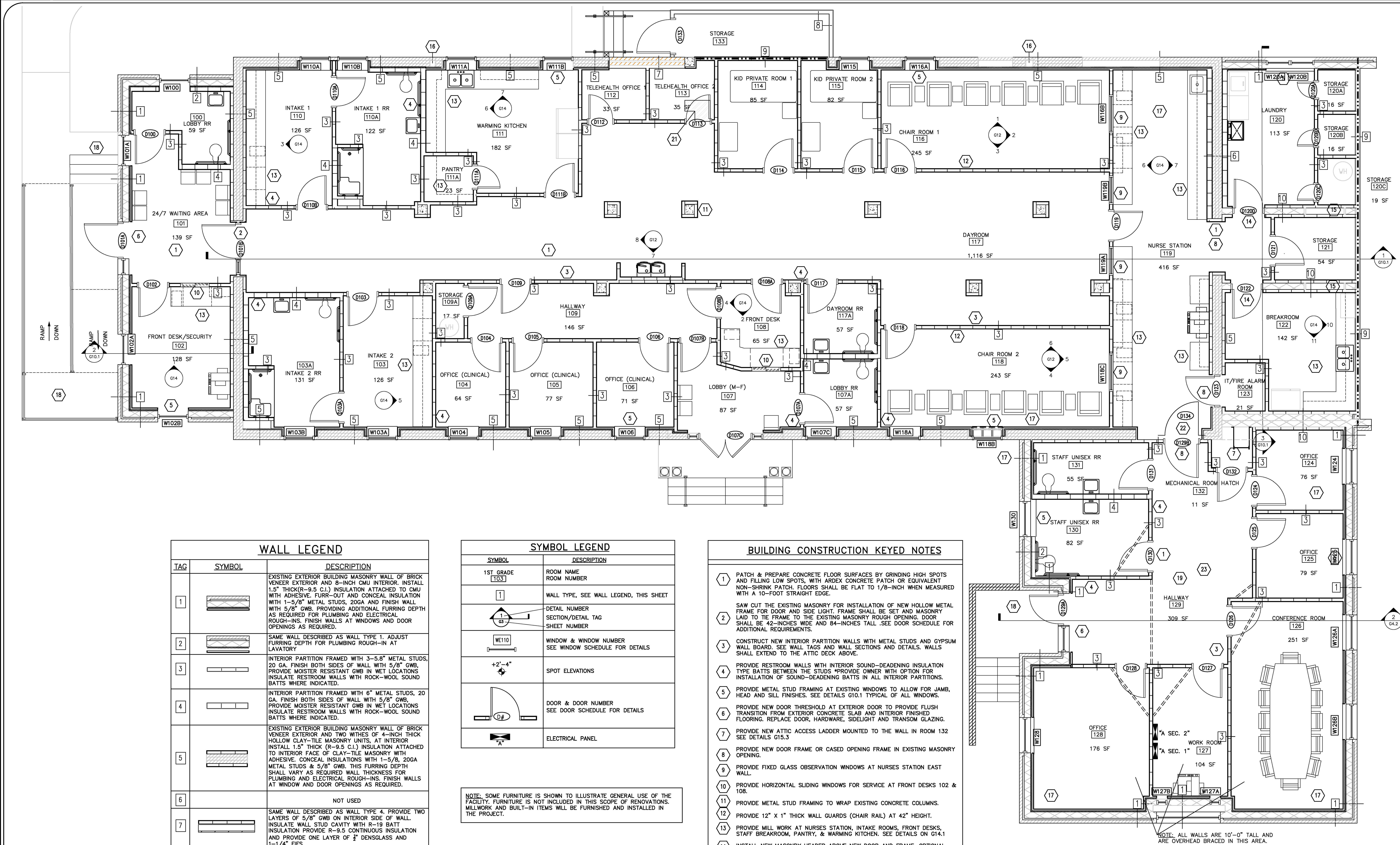
SYMBOL	DESCRIPTION	DATE	BY

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
EXISTING BUILDING SECTIONS & DETAILS

G4



WALL LEGEND

TAG	SYMBOL	DESCRIPTION
1		EXISTING EXTERIOR BUILDING MASONRY WALL OF BRICK VENEER EXTERIOR AND 8-INCH CMU INTERIOR. INSTALL 1.5" THICK(R-9.5 C.I.) INSULATION ATTACHED TO CMU WITH ADHESIVE. FURR-OUT AND CONCEAL INSULATION WITH 1-5/8" METAL STUDS, 20GA AND FINISH WALL WITH 5/8" GWB. PROVIDING ADDITIONAL FURRING DEPTH AS REQUIRED FOR PLUMBING AND ELECTRICAL ROUGH-INS. FINISH WALLS AT WINDOWS AND DOOR OPENINGS AS REQUIRED.
2		SAME WALL DESCRIBED AS WALL TYPE 1. ADJUST FURRING DEPTH FOR PLUMBING ROUGH-IN AT LAVATORY
3		INTERIOR PARTITION FRAMED WITH 3-5.8" METAL STUDS, 20 GA. FINISH BOTH SIDES OF WALL WITH 5/8" GWB, PROVIDE MOISTER RESISTANT GWB IN WET LOCATIONS INSULATE RESTROOM WALLS WITH ROCK-WOOL SOUND BATTS WHERE INDICATED.
4		INTERIOR PARTITION FRAMED WITH 6" METAL STUDS, 20 GA. FINISH BOTH SIDES OF WALL WITH 5/8" GWB, PROVIDE MOISTER RESISTANT GWB IN WET LOCATIONS INSULATE RESTROOM WALLS WITH ROCK-WOOL SOUND BATTS WHERE INDICATED.
5		EXISTING EXTERIOR BUILDING MASONRY WALL OF BRICK VENEER EXTERIOR AND TWO WITHES OF 4-INCH THICK HOLLOW CLAY-TILE MASONRY UNITS, AT INTERIOR INSTALL 1.5" THICK (R-9.5 C.I.) INSULATION ATTACHED TO INTERIOR FACE OF CLAY-TILE MASONRY WITH ADHESIVE. CONCEAL INSULATIONS WITH 1-5/8, 20GA METAL STUDS & 5/8" GWB. THIS FURRING DEPTH SHALL VARY AS REQUIRED WALL THICKNESS FOR PLUMBING AND ELECTRICAL ROUGH-INS. FINISH WALLS AT WINDOW AND DOOR OPENINGS AS REQUIRED.
6		NOT USED
7		SAME WALL DESCRIBED AS WALL TYPE 4. PROVIDE TWO LAYERS OF 5/8" GWB ON INTERIOR SIDE OF WALL. INSULATE WALL STUD CAVITY WITH R-19 BATT INSULATION PROVIDE R-9.5 CONTINUOUS INSULATION AND PROVIDE ONE LAYER OF ½" DENSGLASS AND 1-1/4" EIFS
8		NEW EXTERIOR WALL CONSTRUCTED WITH 6" METAL STUDS, 20 GA. INSULATE WALL STUD CAVITY WITH R-19 BATT INSULATION. PROVIDE 1 LAYER OF 1/2" DENGLASS ON INSIDE OF WALL. INSTALL 2-LAYERS OF ½" DENSGLASS ON EXTERIOR WALL AND INSTALL HORIZONTAL HARDI-PLANK SIDING SHEATHING ON EXTERNAL WALL. INSTALL HORIZONTAL HARD-PLANK SIDING.
9		EXISTING 2-HOUR DEMISING WALL. NO WORK REQUIRED WALL IS TYPE UL-U419 2-LAYERS OF 5/8 " GWB ON EACH SIDE OF STUDS.
10		EXISTING INTERIOR 8-INCH CMU WALL. FURR OUT WALL WITH 1-5/8" 20GA METAL STUDS & 5/8" GWB AT EACH SIDE

SYMBOL LEGEND

SYMBOL	DESCRIPTION
1ST GRADE 103	ROOM NAME ROOM NUMBER
1	WALL TYPE, SEE WALL LEGEND, THIS SHEET
1 G3	DETAIL NUMBER SECTION/DETAIL TAG SHEET NUMBER
WE110	WINDOW & WINDOW NUMBER SEE WINDOW SCHEDULE FOR DETAILS
+2'-4"	SPOT ELEVATIONS
D#	DOOR & DOOR NUMBER SEE DOOR SCHEDULE FOR DETAILS
"A"	ELECTRICAL PANEL

NOTE: SOME FURNITURE IS SHOWN TO ILLUSTRATE GENERAL USE OF THE FACILITY. FURNITURE IS NOT INCLUDED IN THIS SCOPE OF RENOVATIONS. MILLWORK AND BUILT-IN ITEMS WILL BE FURNISHED AND INSTALLED IN THE PROJECT.

BUILDING CONSTRUCTION KEYED NOTES

1. PATCH & PREPARE CONCRETE FLOOR SURFACES BY GRINDING HIGH SPOTS AND FILLING LOW SPOTS, WITH ARDEX CONCRETE PATCH OR EQUIVALENT NON-SHRINK PATCH. FLOORS SHALL BE FLAT TO 1/8-INCH WHEN MEASURED WITH A 10-FOOT STRAIGHT EDGE.
2. SAW CUT THE EXISTING MASONRY FOR INSTALLATION OF NEW HOLLOW METAL FRAME FOR DOOR AND SIDE LIGHT. FRAME SHALL BE SET AND MASONRY LAID TO TIE FRAME TO THE EXISTING MASONRY ROUGH OPENING. DOOR SHALL BE 42-INCHES WIDE AND 84-INCHES TALL .SEE DOOR SCHEDULE FOR ADDITIONAL REQUIREMENTS.
3. CONSTRUCT NEW INTERIOR PARTITION WALLS WITH METAL STUDS AND GYPSUM WALL BOARD. SEE WALL TAGS AND WALL SECTIONS AND DETAILS. WALLS SHALL EXTEND TO THE ATTIC DECK ABOVE.
4. PROVIDE RESTROOM WALLS WITH INTERIOR SOUND-DEADENING INSULATION TYPE BATTS BETWEEN THE STUDS *PROVIDE OWNER WITH OPTION FOR INSTALLATION OF SOUND-DEADENING BATTS IN ALL INTERIOR PARTITIONS.
5. PROVIDE METAL STUD FRAMING AT EXISTING WINDOWS TO ALLOW FOR JAMB, HEAD AND SILL FINISHES. SEE DETAILS G10.1 TYPICAL OF ALL WINDOWS.
6. PROVIDE NEW DOOR THRESHOLD AT EXTERIOR DOOR TO PROVIDE FLUSH TRANSITION FROM EXTERIOR CONCRETE SLAB AND INTERIOR FINISHED FLOORING. REPLACE DOOR, HARDWARE, SIDELIGHT AND TRANSOM GLAZING.
7. PROVIDE NEW ATTIC ACCESS LADDER MOUNTED TO THE WALL IN ROOM 132 SEE DETAILS G15.3
8. PROVIDE NEW DOOR FRAME OR CASED OPENING FRAME IN EXISTING MASONRY OPENING.
9. PROVIDE FIXED GLASS OBSERVATION WINDOWS AT NURSES STATION EAST WALL.
10. PROVIDE HORIZONTAL SLIDING WINDOWS FOR SERVICE AT FRONT DESKS 102 & 108.
11. PROVIDE METAL STUD FRAMING TO WRAP EXISTING CONCRETE COLUMNS.
12. PROVIDE 12" X 1" THICK WALL GUARDS (CHAIR RAIL) AT 42" HEIGHT.
13. PROVIDE MILL WORK AT NURSES STATION, INTAKE ROOMS, FRONT DESKS, STAFF BREAKROOM, PANTRY, & WARMING KITCHEN. SEE DETAILS ON G14.1
14. INSTALL NEW MASONRY HEADER ABOVE NEW DOOR AND FRAME. OPTIONAL SQUEEZE LINTEL MAY BE USED. SEE DETAIL ON G2.1.
15. REMOVE EXISTING DOOR AND ABANDON THE METAL DOOR FRAMES. INFILL WALL OPENING WITH NEW METAL STUD PARTITION.
16. MAINTAIN THE EXISTING MASONRY CHASE FOR INSTALLATION OF HVAC LINE SETS. SEAL PENETRATIONS AT FLOOR SLAB AND ATTIC SLAB PRIOR TO FURRING OVER CHASE.
17. INSTALL NEW WALL INSULATION (R-9.5 CONTINUOUS INSULATION) ON EXTERIOR WALL SURFACES FROM FLOOR TO ROOF FRAMING. INSULATE THE EXTERIOR KNEE WALL ABOVE THE ATTIC SLAB.
18. PRESSURE WASH AND REPAIR MASONRY STEPS, STOOP, AND RAMP AT EXISTING ENTRANCES. PRIME AND PAINT HANDRAILS.
19. INSTALL R-19 (MINIMUM) INSULATION BATTS IN METAL JOIST FLOOR FRAMING SYSTEM IN THE RIGHT-FRONT ADDITION AREA.
20. PROVIDE OWNER WITH A PROPOSAL FOR OPTIONAL SOUND-BATT INSTALLATION IN ALL INTERIOR WALLS FOR SOUND DEADENING. SEE KEYED NOTE #4.
21. INSTALL 1/4" STEEL PLATE OVER ATTIC ACCESS OPENING
22. INSTALL 45MIN. RATED DOOR IN EXISTING FRAME LOCATED ON ATTIC FLOOR
23. ALL NEW INTERIOR PARTITION WALLS IN THIS AREA SHALL BE OVERHEAD BRACED WITH 6-INCH METAL STUDS ATTACHED TO TOP PLATE OF PARTITION

PLAN NORTH
TRUE NORTH

1 G5 CALLOUT FLOOR PLAN

SCALE: 1/4" = 1'-0"

LEGEND:

1 HOUR RATED WALL
2 HOUR RATED WALL (EXISTING TO REMAIN)

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NORTH CAROLINA CORPORATION NUMBER C-3070

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
25 JULY 2025

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PROJECT #: 2025-01-16
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100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
	-	-	-

PROJECT:
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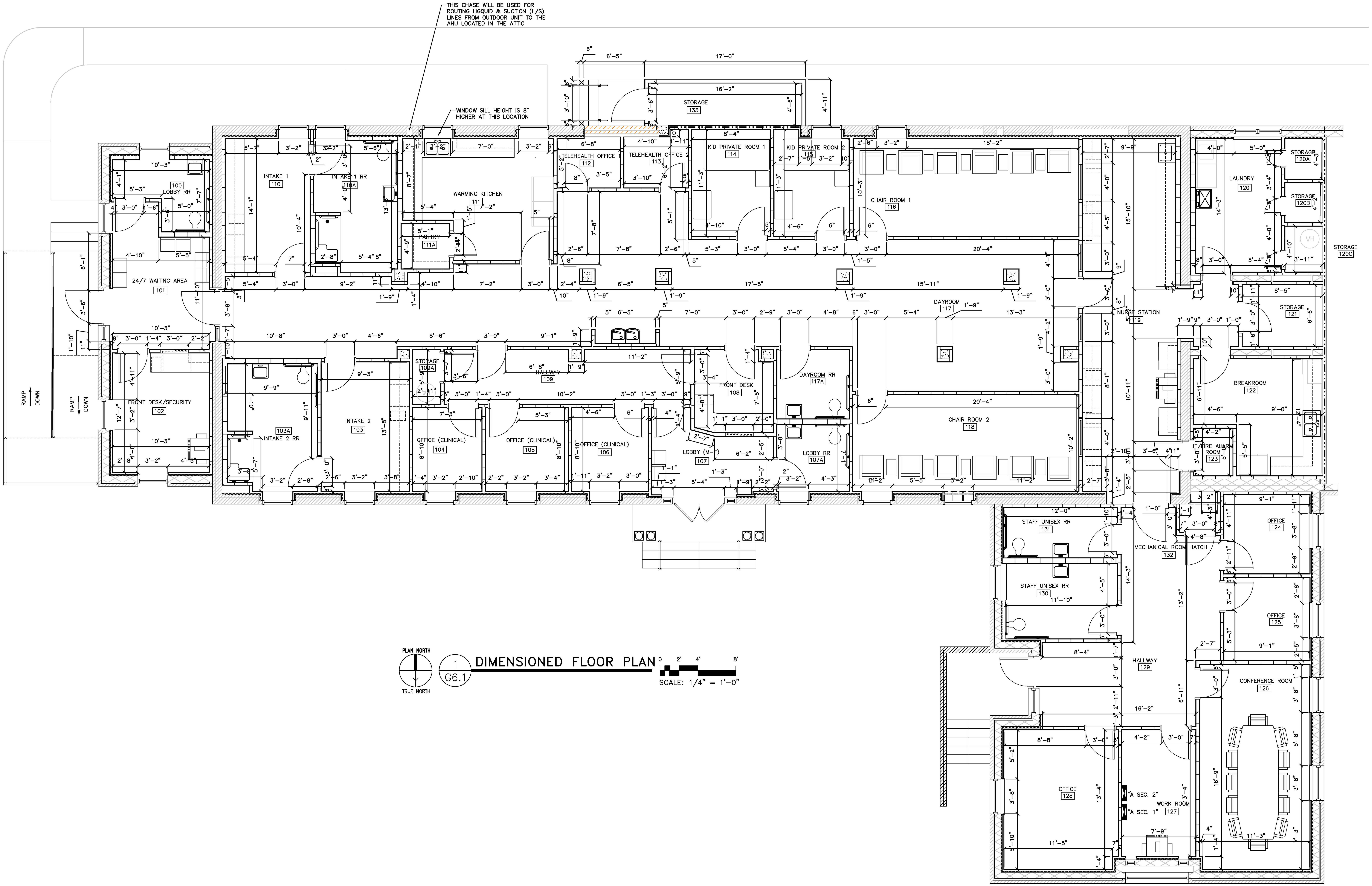
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
CALLOUT FLOOR PLAN & NOTES

G5



1
G6.1
DIMENSIONED FLOOR PLAN
0 2' 4' 8'
SCALE: 1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

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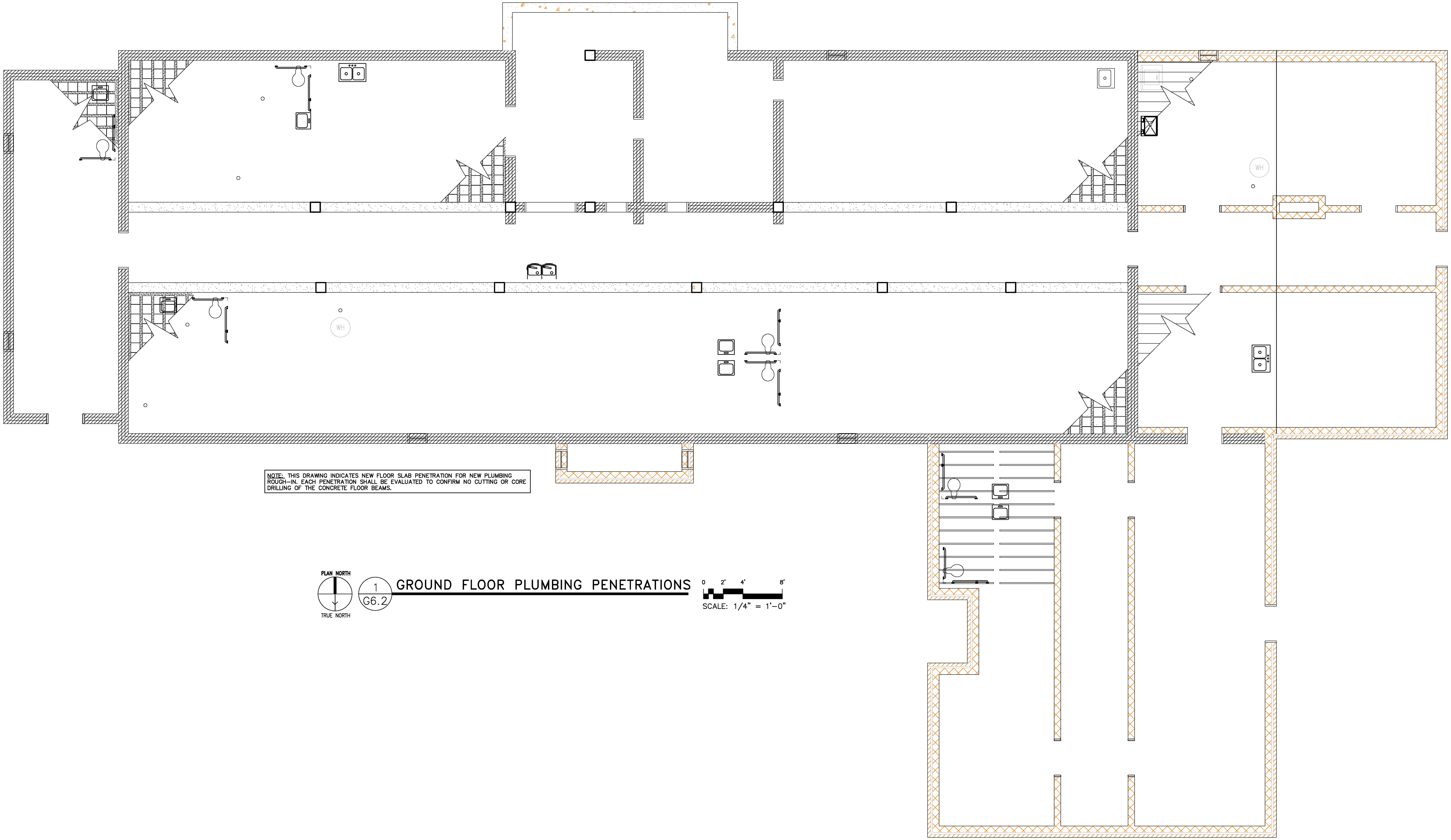
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
DIMENSIONED FLOOR PLAN

G6.1



NOTE: THIS DRAWING INDICATES NEW FLOOR SLAB PENETRATION FOR NEW PLUMBING ROUGH–IN. EACH PENETRATION SHALL BE EVALUATED TO CONFIRM NO CUTTING OR CORE DRILLING OF THE CONCRETE FLOOR BEAMS.

PLAN NORTH
TRUE NORTH

1 / G6.2 GROUND FLOOR PLUMBING PENETRATIONS

0 2' 4' 8'
SCALE: 1/4" = 1'–0"

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NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

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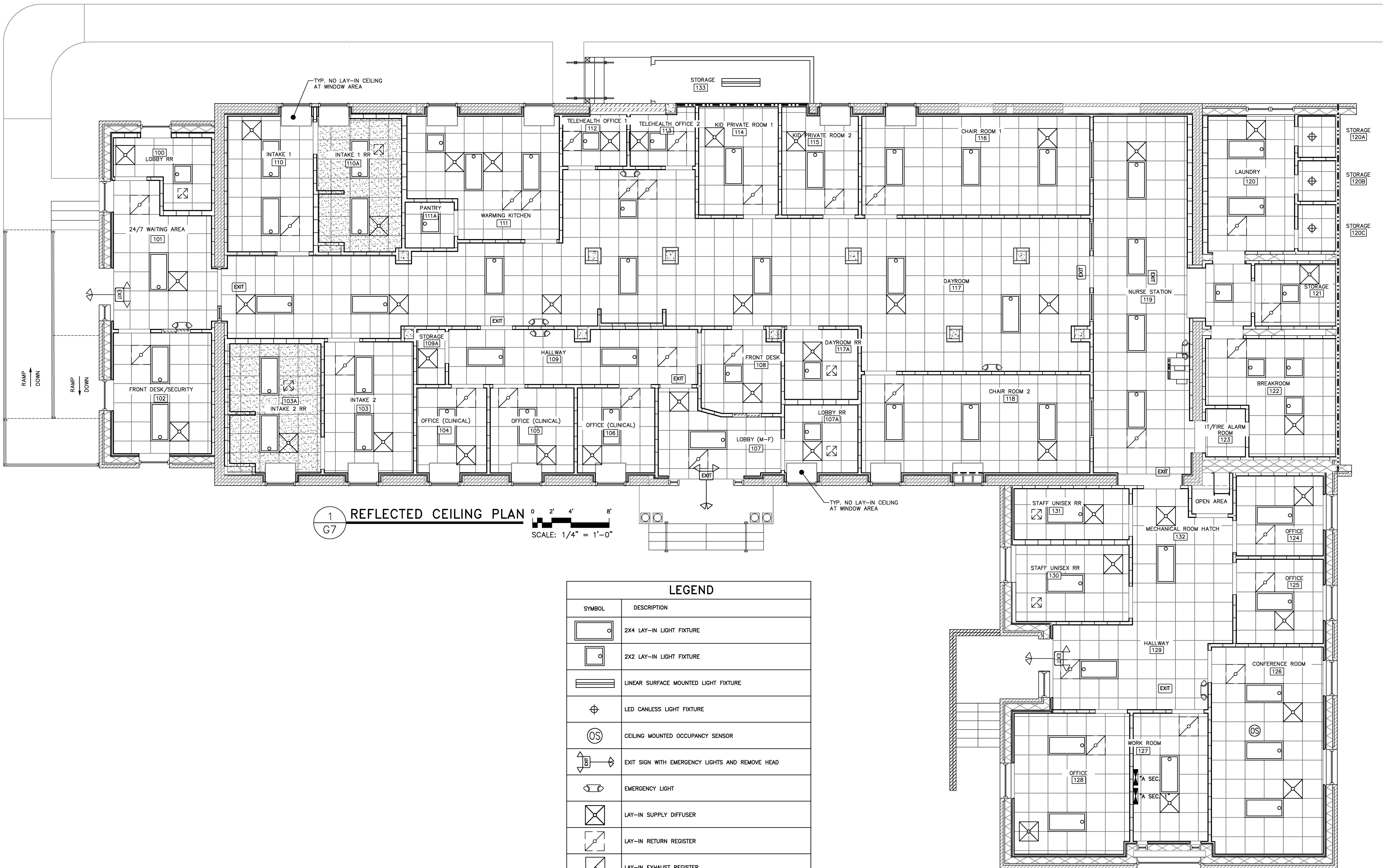
SHEET:
FLOOR SLAB PLUMBING PENETRATIONS

G6.2



1 G7 REFLECTED CEILING PLAN

0 2' 4' 8'

SCALE: 1/4" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION
	2X4 LAY-IN LIGHT FIXTURE
	2X2 LAY-IN LIGHT FIXTURE
	LINEAR SURFACE MOUNTED LIGHT FIXTURE
	LED CANLESS LIGHT FIXTURE
OS	CEILING MOUNTED OCCUPANCY SENSOR
EXIT	EXIT SIGN WITH EMERGENCY LIGHTS AND REMOVE HEAD
	EMERGENCY LIGHT
	LAY-IN SUPPLY DIFFUSER
	LAY-IN RETURN REGISTER
	LAY-IN EXHAUST REGISTER
	2X2 ACOUSTICAL LAY-IN CEILING @ 8'-6" A.F.F.
	2X2 VINYL COATED ACOUSTICAL LAY-IN CEILING. @ 8'-6" A.F.F.

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NORTH CAROLINA PROFESSIONAL CORPORATION SEAL C-3070 JENKINS CONSULTING ENGINEERS, PA

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SHEET:
REFLECTED CEILING PLAN

G7

FINISH SCHEDULE

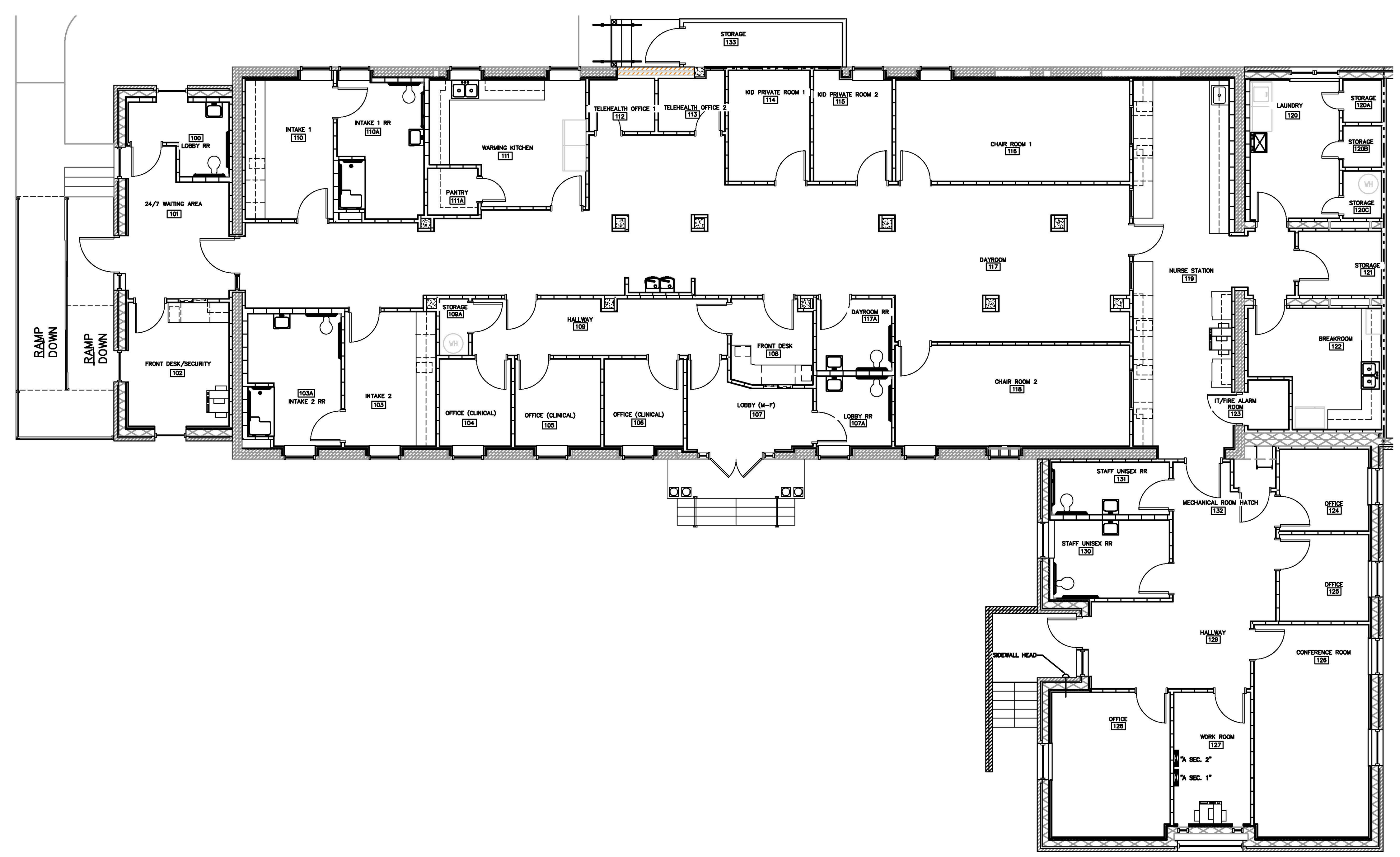
RM NUMBER	RM NAME	ROOM AREA (NET SF)	FLOOR FINISH	BASE MATERIAL	WALL MATERIALS N	WALL MATERIALS S	WALL MATERIALS W	WALL MATERIALS E	WALL FINISHES N	WALL FINISHES S	WALL FINISHES W	WALL FINISHES E	CEILING HEIGHT	CEILING MATERIAL	WINDOWS QTY	WINDOWS GLASS	WINDOWS TYPE	WINDOWS SILL	DOORS QTY
100	LOBBY RR	59	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
101	24/7 WAITING AREA	139	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	4	–	–	SSS	1
102	FRONT DESK/SECURITY	128	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	–	–	BL	1
103	INTAKE 2	126	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	–	–	SSS	1
103A	INTAKE 2 RR	131	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	–	–	SSS	1
104	OFFICE (CLINICAL)	64	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	–	–	SSS	1
105	OFFICE (CLINICAL)	77	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	1	–	–	SSS	1
106	OFFICE (CLINICAL)	71	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	–	–	SSS	1
107	LOBBY (M-F)	87	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	–	–	SSS	1
107A	LOBBY RR	57	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
108	FRONT DESK	65	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	–	–	SSS	1
109	HALLWAY	146	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	–	–	–	–	2
109A	MAINTENANCE ROOM	17	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	–	–	–	–	1
110	INTAKE 1	126	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	–	–	SSS	1
110A	INTAKE 1 RR	122	CER	CERAMIC	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	NEW	OBSCURE	CER	1
111	WARMING KITCHEN	142	LVP	LVP	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	–	–	SSS	1
111A	PANTRY	25	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EP	PR, B, EP	PR, B, EP	8'-6"	ACT	–	–	–	–	1
112	TLELEHEALTH OFFICE 1	35	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
113	TELEHEALTH OFFICE 2	38	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
114	KID PRIVATE ROOM 1	85	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	–	–	–	–	1
115	KID PRIVATE ROOM 2	82	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	–	–	SSS	1
116	CHAIR ROOM 1	245	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
117	DAYROOM	1,116	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	–	–	–	–	1
117A	DAYROOM RR	57	CER	CERAMIC	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	–	–	–	–	2
118	CHAIR ROOM 2	243	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	2	–	–	SSS	1
119	NURSE STATION	416	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	–	–	–	–	1
120	LAUNDRY ROOM	113	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	–	–	SSS	1
120A	STORAGE	16	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EPR	B, EP	PR, B, EP	8'-6"	ACT	–	–	–	–	1
120B	STORAGE	16	LVP	VINY	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
120C	STORAGE	19	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
121	STORAGE	54	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	–	–	–	–	1
122	STAFF BREAKROOM	142	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
123	IT/FIRE ALARM ROOM	21	SC	CERAMIC	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	–	–	–	–	1
124	OFFICE	74	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	1	–	–	SSS	1
125	OFFICE	79	LVP	VINYL	GWB	GWB	GWB	GWB	F	F	PR, B, F	F	8'-6"	ACT	1	–	–	SSS	2
126	CONFERENCE ROOM	251	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, EP	PR, B, EPR	B, EP	PR, B, EP	8'-6"	ACT	2	–	–	SSS	1
127	WORK ROOM	61	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	–	–	SSS	1
128	OFFICE	176	LVP	VINYL	GWB	GWB	GWB	GWB	WP	WP	WP	WP	8'-6"	ACT	1	–	–	SSS	1
129	HALLWAY	328	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	8'-6"	ACT	–	–	–	–	1
130	STAFF UNISEX RR	82	CER	CERAMIC	GWB	GWB	GWB	GWB	CER	CER	CER	CER	8'-6"	ACT	1	NEW	OBSCURE	CER	1
131	STAFF UNISEX RR	60	CER	CERAMIC	GWB	GWB	GWB	GWB	CER	CER	CER	CER	8'-6"	ACT	–	–	–	–	1
132	MECHANICAL ROOM HATCH	11	LVP	VINYL	GWB	GWB	GWB	GWB	PR, B, F	PR, B, F	PR, B, F	PR, B, F	–	EXP	–	–	–	–	1
133	MAINTENANCE ROOM	73	CONC	–	–	–	–	–	–	–	–	–	–	EXP	–	–	–	–	1

LEGEND:

LVP – LUXURY VINYL PLANK
PR – PRIMER
B – BASE COAT
F – FINISH COAT
PVC-F – POLY VINYL FLEXIBLE
CER – CERAMIC TILE

ACT – ACOUSTICAL CEILING TILE
BL – BLINDS
ETR – EXISTING TO REMAIN
C – CONCRETE
CH – CHAIR RAIL
GWB – GYPSUM WALL BOARD
SC – SEALED CONCRETE

HM – HOLLOW METAL
W – WOOD
BR – BRICK
FR – FIRE RATED
GL – GLASS
V – VINYL
MR – MOISTURE RESISTANT GWB
SSS – SOUND SURFACE SILL
EXP – EXPOSED (UNFINISHED)



PLAN NORTH

TRUE NORTH

1 / G8 BUILDING LAYOUT

0 4' 8' 16'

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

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON

25 JULY 2025

DESIGNED/CHECKED BY: KJD

DRAWN BY: TS,SAN,GD,BT,JC,JDL

PROJECT #: 2025-01-16

DATE: 25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [x] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
–	–	–	–

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
FINISH SCHEDULE

G8

WINDOW SCHEDULE

LEVEL	WINDOW NO.	WINDOWS SIZE (WIDTH X HEIGHT)	STYLE	FRAME MATERIAL	REMARKS
FIRST FLOOR	W100	3'-2" X 6'-0"	3	VINYL	EXTERIOR WINDOW (OBSCURE)
	W101A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W102A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W102B	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W103A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W103B	3'-2" X 6'-0"	3	VINYL	EXTERIOR WINDOW (OBSCURE)
	W104	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W105	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W106	3'-2" X 6'-0	1	VINYL	EXTERIOR WINDOW
	W107	3'-2" X 6'-0"	3	VINYL	EXTERIOR WINDOW (OBSCURE)
	W110A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W110B	3'-2" X 6'-0"	3	VINYL	EXTERIOR WINDOW (OBSCURE)
	W111A	3'-2" X 3'-0"	1	VINYL	EXTERIOR WINDOW
	W111B	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W115	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W116A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W116B	4'-0" X 3'-0"	2	HM.	INTERIOR WINDOW
	W118A	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W118B	3'-2" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W118C	4'-0" X 3'-0"	2	H.M.	INTERIOR WINDOW
	W119A	3'-0" X 3'-0"	2	H.M.	INTERIOR WINDOW
	W119B	3'-0" X 3'-0"	2	H.M.	INTERIOR WINDOW
	W120A	2'-6" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W120B	2'-6" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W124	3'-8" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W125	3'-8" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W126A	3'-8" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W126B	3'-8" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W127A	1'-1" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W127B	1'-1" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W128	3'-8" X 6'-0"	1	VINYL	EXTERIOR WINDOW
	W130	2'-8" X 6'-0"	3	VINYL	EXTERIOR WINDOW (OBSCURE)

NOTES:

1. ALL EXTERIOR WINDOWS ARE EXISTING.
2. ALL INTERIOR WINDOWS ARE NEW.

DOOR SCHEDULE

NOTE: G.C. TO REVIEW ALL HARDWARE SETS, MATERIAL AND FINISHES WITH OWNER BEFORE ORDER & INSTALLATION

DOOR NO	DOOR SIZE (WIDTH X HEIGHT X THICKNESS)	DOOR STYLE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	GLASS MATERIAL	FIRE RATING	ENTRANCE LOCK	STOREROOM LOCK	PASSAGE SET	PRIVACY SET	OFFICE LOCK	PANIC SET	MAGNETIC LOCK	CLOSER	THRESHOLD	WEATHERSTRIPPING	REMARKS
D100	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X				X			LOBBY RR – 100
D101A	3'-6" X 7'-0" X 1-3/4"	D	S	A	4	S	ALUM	TEMPERED	N/A	X					X	X	X	X	X	24/7 WAITING AREA – 101 (PROVIDE TEMPERED GLASS FOR DOOR)
D101B	3'-6" X 7'-0" X 1-3/4"	A	WD	ST	2	HM	P		20 MINS			X				X	X			24/7 WAITING AREA – 101 (SIDE LIGHT) OUTSIDE LIGHT
D102	3'-0" X 7'-0" X 1-3/4"	B	WD	ST	3	HM	P	TEMPERED	20 MINS					X		X	X			FRONT DESK/SECURITY – 102
D103	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			INTAKE 2 – 103
D103A	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			INTAKE 2 RR – 103A
D104	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			OFFICE (CLINICAL) – 104
D105	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			OFFICE (CLINICAL) – 105
D106	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			OFFICE (CLINICAL) – 106
D107A	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			LOBY RR – 107A
D107B	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS			X				X	X			LOBBY (M-F) – 107
D107C	5'-4" X 8'-3" X 1-3/4"	E	WD	ST	5	WD	ST	TEMPERED	N/A	X					X	X	X	X	X	LOBBY (M-F) – 107 EXIT DOOR
D108A	3'-0" X 8'-3" X 1-3/4"	B	WD	ST	3	HM	P	TEMPERED	20 MINS					X		X	X			FRONT DESK – 108
D108B	3'-0" X 7'-0" X 1-3/4"	B	WD	ST	3	HM	P	TEMPERED	20 MINS					X		X	X			FRONT DESK – 108
D109	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS			X				X	X			HALLWAY – 109
D109A	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X	X			STORAGE – 109A
D110A	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			INTAKE 1 RR – 110A
D110B	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			INTAKE 1 – 110
D111A	2'-4" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS			X				X				PANTRY – 111A
D111B	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			WARMING KITCHEN – 111
D112	2'-6" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			TELEHEALTH OFFICE 1 – 112
D113	2'-6" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			TELEHEALTH OFFICE 2 – 113
D114	3'-0" X 7'-0" X 1-3/4"	C	WD	ST	3	HM	P	TEMPERED	20 MINS					X		X	X			KID PRIVATE ROOM 1 – 114
D115	3'-0" X 7'-0" X 1-3/4"	C	WD	ST	3	HM	P	TEMPERED	20 MINS					X		X	X			KID PRIVATE ROOM 2 – 115
D116	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			CHAIR ROOM 1 – 116
D117	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			DAYROOM RR – 117A
D118	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			CHAIR ROOM 2 – 118
D119	3'-0" X 7'-0" X 1-3/4"	C	WD	ST	3	HM	P	TEMPERED	20 MINS			X				X	X			NURSE STATION – 119
D120A	1'-8" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X				STORAGE – 120A
D120B	1'-8" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X				STORAGE – 120B
D120C	1'-8" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X				STORAGE – 120C
D120D	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	1	HM	P		20 MINS					X		X	X			LAUNDRY – 120
D121	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X	X			STORAGE – 121
D122	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	1	HM	P		20 MINS			X				X	X			BREAKROOM – 122
D123	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X	X			STORAGE – 123
D124	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			OFFICE – 124
D125	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS					X		X	X			OFFICE – 125
D126	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS			X				X	X			CONFERENCE ROOM – 126
D127	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS							X	X			WORK ROOM – 127
D128	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS							X	X			OFFICE – 128
D129A	3'-0" X 7'-0" X 1-3/4"	D	S	A	4	S	ALUM	TEMPERED	N/A	X					X	X	X	X	X	HALLWAY – 129 EXIT DOOR
D129B	3'-6" X 7'-0" X 1-3/4"	A	WD	P	3	HM	P		20 MINS			X				X	X			HALLWAY – 129
D130	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			STAFF UNISEX RR – 130
D131	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS				X			X	X			STAFF UNISEX RR – 131
D132	3'-0" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		20 MINS		X					X				MECHANICAL ROOM HATCH – 132
D133	3'-6" X 7'-0" X 1-3/4"	A	M	P	3	HM	P		N/A	X	X							X	X	EXTERIOR STORAGE ROOM – 133
D134	3'-6" X 7'-0" X 1-3/4"	A	WD	ST	3	HM	P		45 MINS											ATTIC DOOR CONNECTING MAIN BUILDING TO FRONT-RIGHT ADDITION

NOTES:

1. APPLY 2 COATS OF SEMI-GLOSS TO ALL METAL DOORS. ALL WOOD DOORS SHALL BE PRE-FIT AND PRE-FINISHED.
2. ALL EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OF EFFORT. ALL HARDWARE MUST BE DIRECT ACTING REQUIRING NOT MORE THAN ONE OPERATION.
3. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR PER ICC/ANSI A117.1-2009 SECTIONS 404.2.6& 404.2.7
4. G.C. TO REVIEW ALL HARDWARE SETS WITH OWNER BEFORE INSTALLATION
5. PROVIDE TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES. POSITION AT CENTER OF DOOR.
6. ALL WOOD DOORS SHALL BE 20-MINUTE, SOLID CORE.
7. ALL PANIC HARDWARE SHALL BE UL LISTED.
8. ALL NEW HARDWARE TO BE LEVER ADA ACCEPTABLE ALL THRESHOLD TO MEET ADA SPECIFICATIONS
9. DELAYED AND EGRESS HARDWARE SHALL BE IN ACCORDANCE WITH UL-294 PUBLICATIONS.

PASSAGE SET: (CLOSET & HALL) PASSAGE LOCKSETS KEEP DOORS FIRMLY CLOSED, BUT DO NOT ACTUALLY LOCK. BOTH LEVERS ALWAYS TURN FREE WITH NO LOCK CYLINDER OR PROVISION FOR A KEY.

PRIVACY SET: (RESTROOM) PRIVACY LOCKSETS ARE LOCKED WITH AN INSIDE PUSH-BUTTON. TURNING THE INSIDE KNOB OR LEVER RELEASES THE LOCK. A SMALL SCREWDRIVER CAN BE USED AS AN EMERGENCY KEY, FROM THE OUTSIDE, IF NECESSARY.

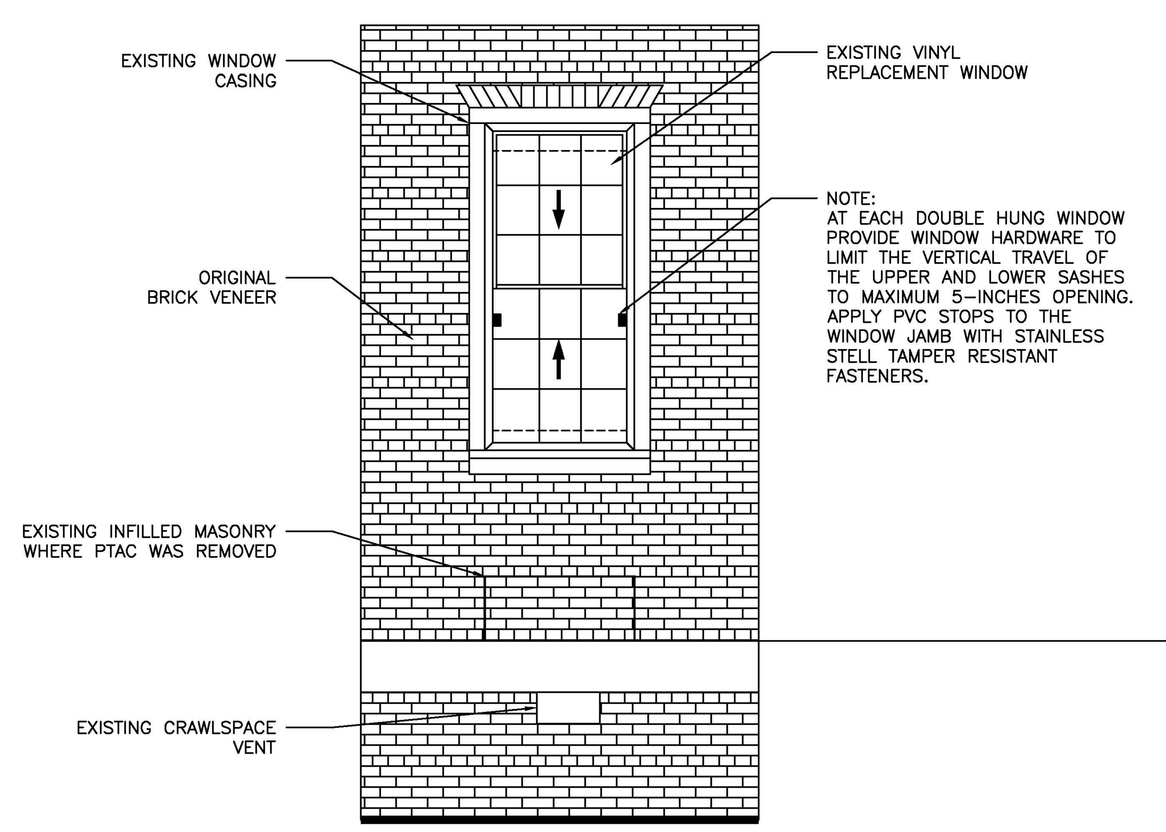
ENTRANCE LOCK: (ENTRY) ENTRANCE LOCKED BY PUSHING AND TURNING A BUTTON AND UNLOCKED BY THE KEY UNTIL THE INSIDE BUTTON IS MANUALLY UNLOCKED. THEY ARE ALSO AVAILABLE WITH PUSHBUTTON LOCKING, IN WHICH PUSHING THE BUTTON LOCKS THE OUTSIDE KNOB OR LEVER UNTIL IT IS UNLOCKED BY KEY OR BY TURNING THE INSIDE KNOB OR LEVER. THE INSIDE KNOB OR LEVER IS ALWAYS FREE FOR IMMEDIATE EXIT.

STOREROOM LOCK: STOREROOM LOCKSETS ALWAYS HAVE THE INSIDE KNOB OR LEVER UNLOCKED. THE OUTSIDE KNOB OR LEVER IS FIXED: THE LATCH IS RETRACTED BY THE KEY FROM OUTSIDE.

OFFICE LOCK: OFFICE LOCKSETS ALWAYS HAVE THE INSIDE KNOB OR LEVER UNLOCKED. THE OUTSIDE KNOB OR LEVER IS LOCKED AND UNLOCKED BY KEY.

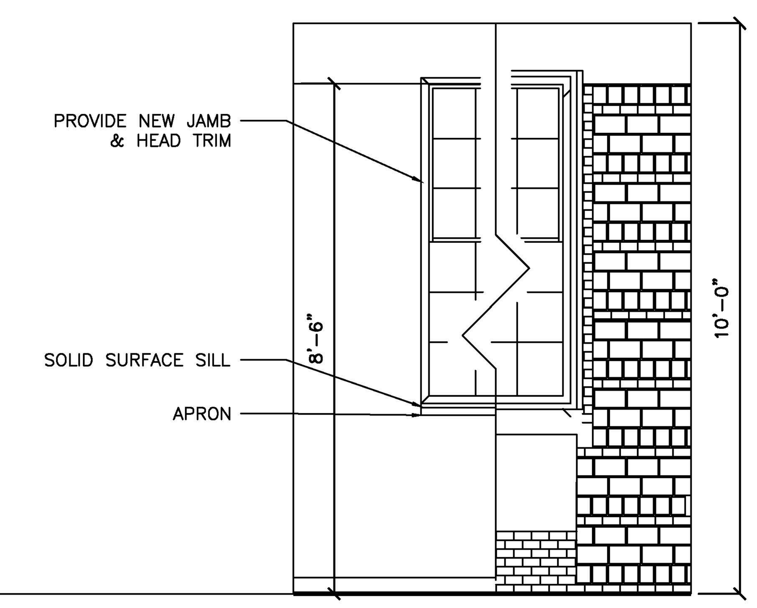
DOOR SCHEDULE LEGEND

H	HEIGHT	HM	HOLLOW METAL
W	WIDE	P	PAINT
ALUM	ALUMINUM	S	STOREFRONT
WD	WOOD-SOLID CORE	M	METAL
T	THICKNESS	WI	WROUGHT IRON
ST	STAINED WOOD	VA/B	VERIFY ANODIZED OR BRONZE



1 / G9 EXTERIOR WINDOW DETAIL

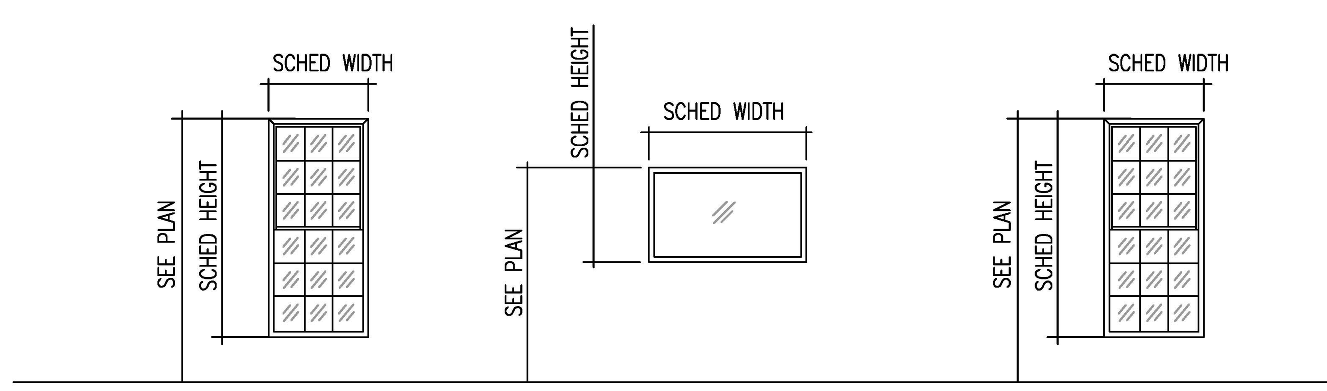
SCALE: 3/8" = 1'-0"



2 / G9 INTERIOR WINDOW DETAIL

NEW/EXISTING

SCALE: 3/8" = 1'-0"



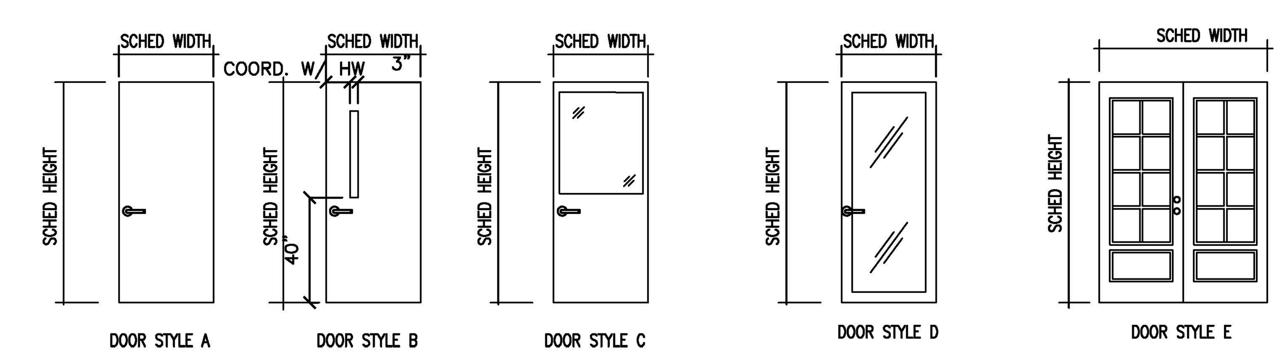
WINDOW STYLE 1 (EXISTING EXTERIOR DOUBLE HUNG) (REDUCE OPENING HEIGHT)

WINDOW STYLE 2 (INTERIOR FIXED) TEMPERED HOLLOW METAL FRAME GLASS

WINDOW STYLE 3 (EXISTING EXTERIOR DOUBLE HUNG) (REDUCE OPENING HEIGHT) (OBSCURED GLASS)

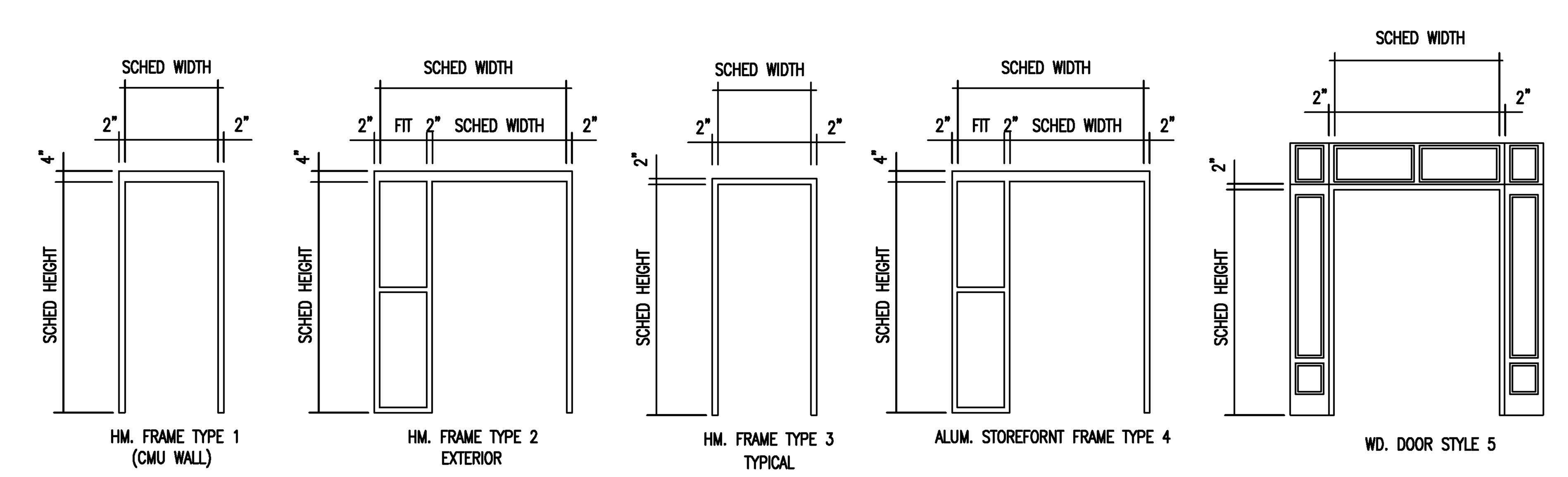
WINDOW STYLES

1/4" = 1'-0"



DOOR STYLES

1/4" = 1'-0"



DOOR FRAME TYPES

1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907
NORTH CAROLINA PROFESSIONAL SEAL C-3070 JENKINS CONSULTING ENGINEERS, PA CORPORATION
NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

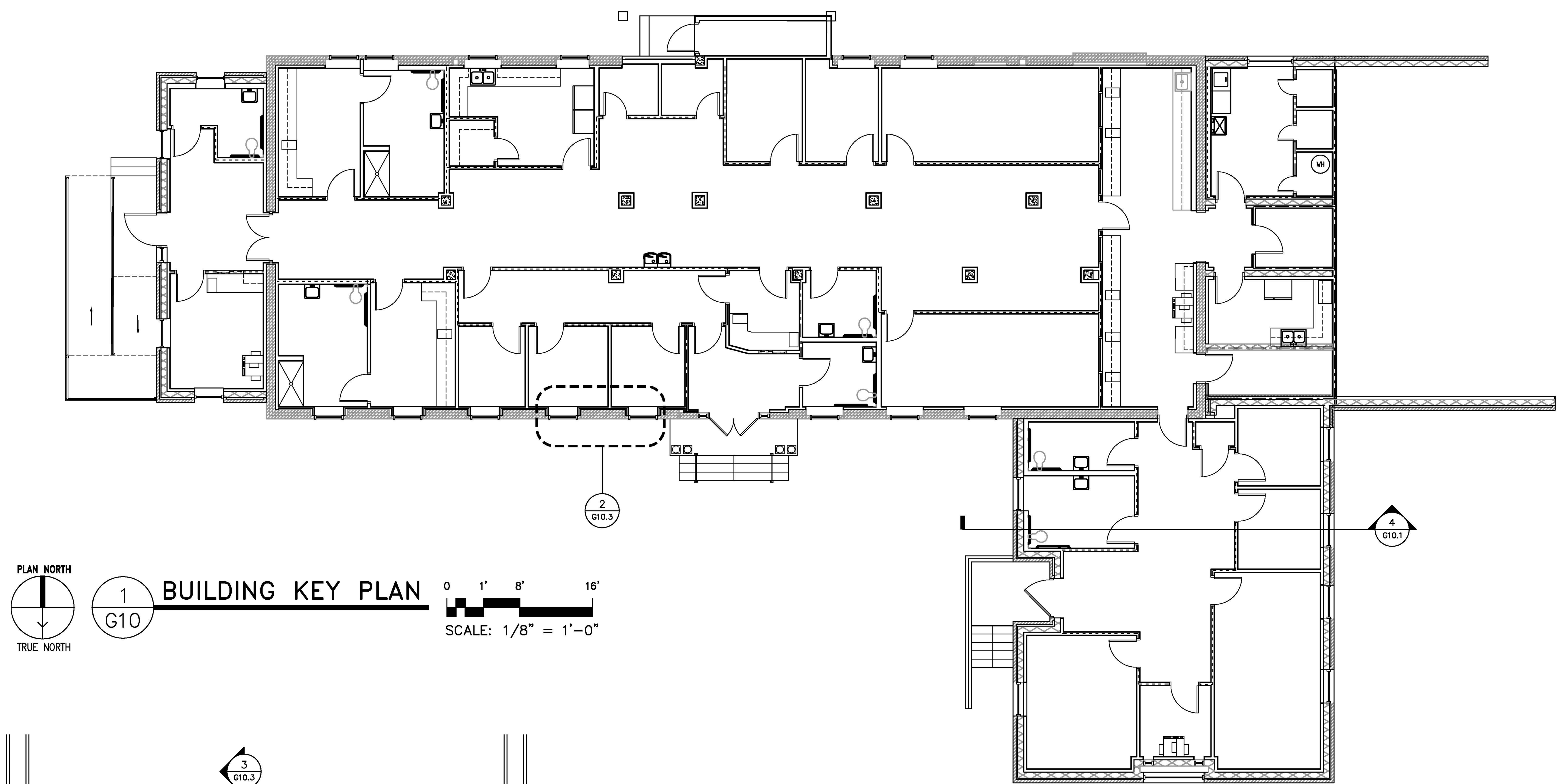
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-		-	-

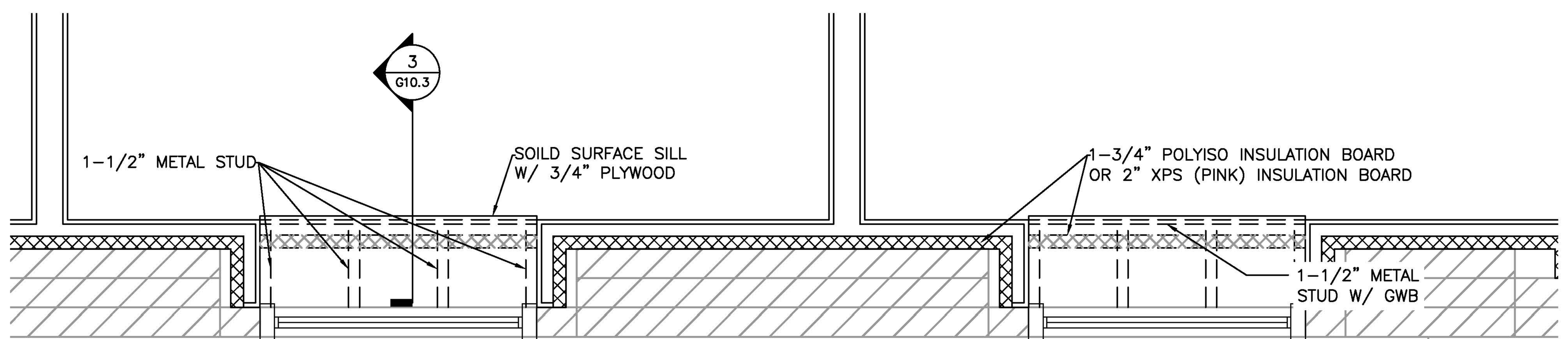
PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: WINDOW & DOOR SCHEDULES

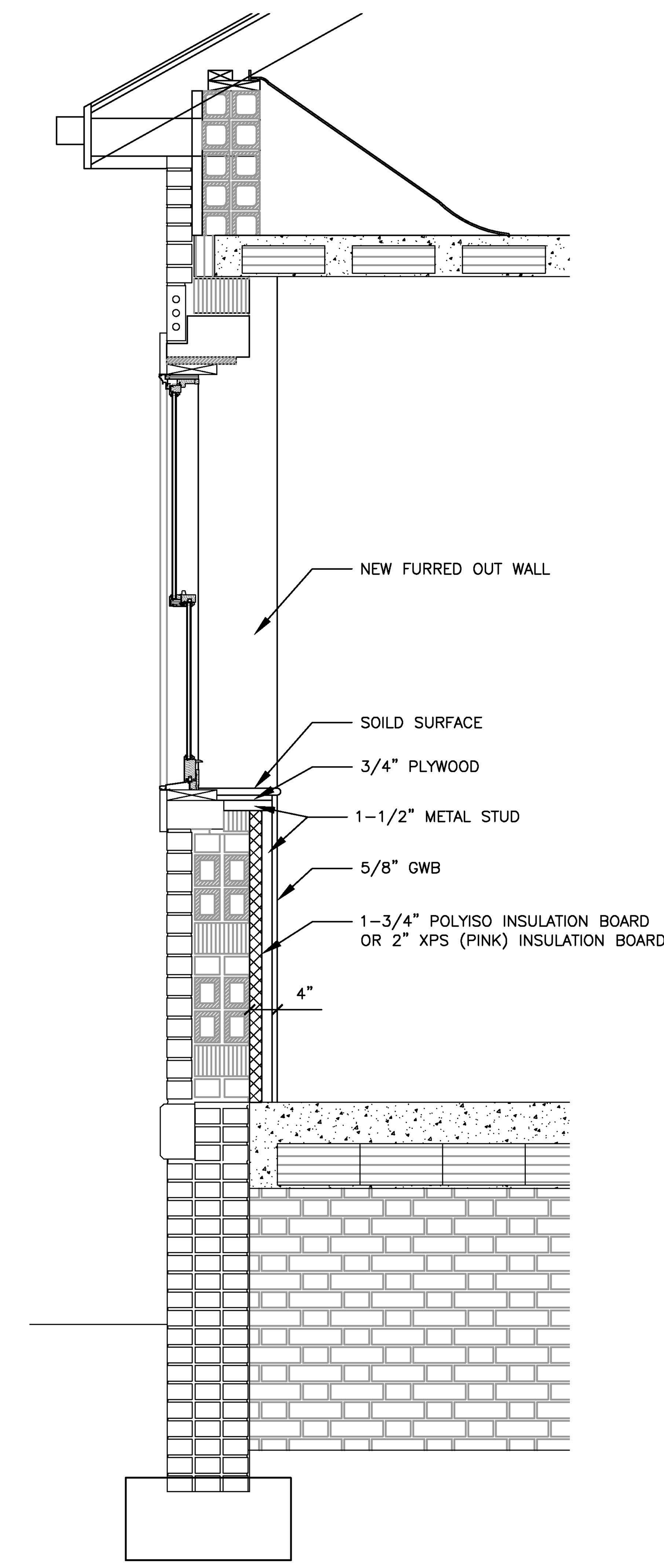
G9



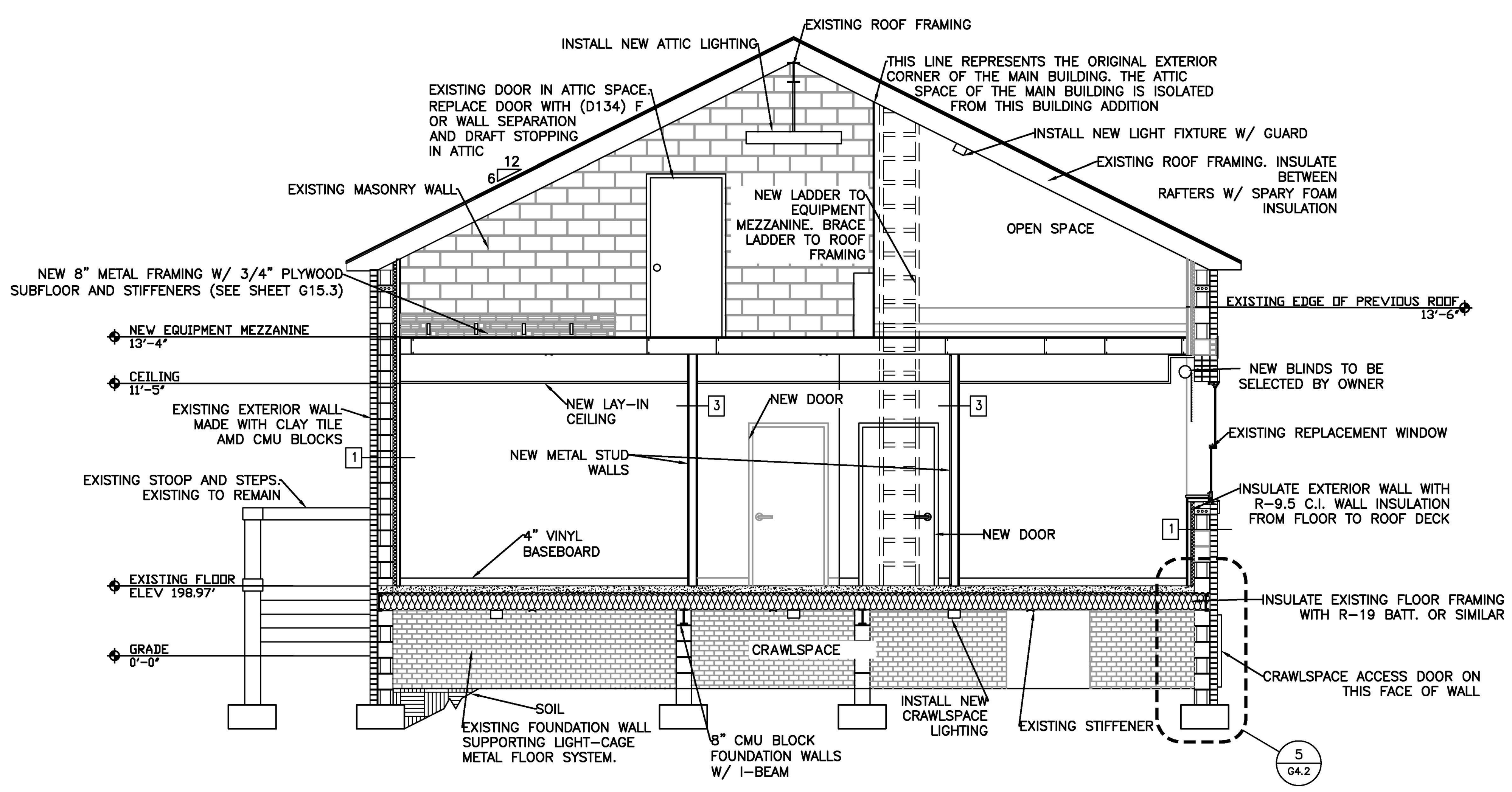
1 G10 BUILDING KEY PLAN
0 1' 8' 16'
SCALE: 1/8" = 1'-0"



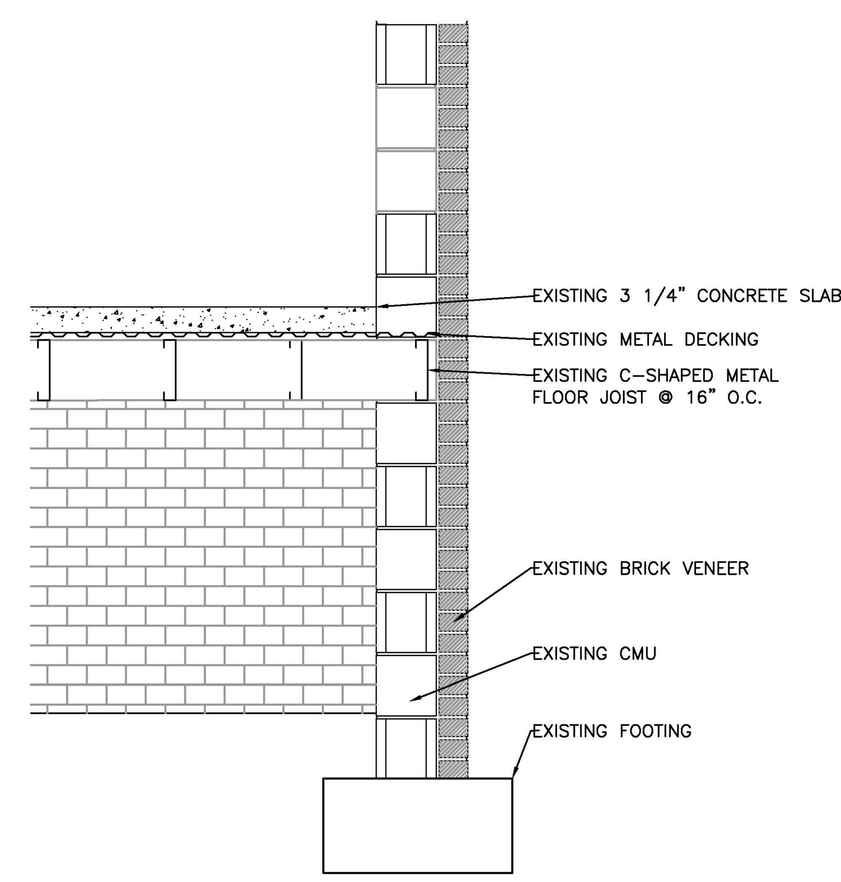
2 G10 ENLARGED WINDOW SILL DETAIL
0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"



3 G10 WINDOW SILL DETAIL
0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"



4 G10 NEW RIGHT-FRONT ADDITION BUILDING SECTION
0 2' 4' 8'
SCALE: 1/4" = 1'-0"



5 G10 RIGHT-FRONT ADDITION FLOOR SYSTEM
0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3070

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER
25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

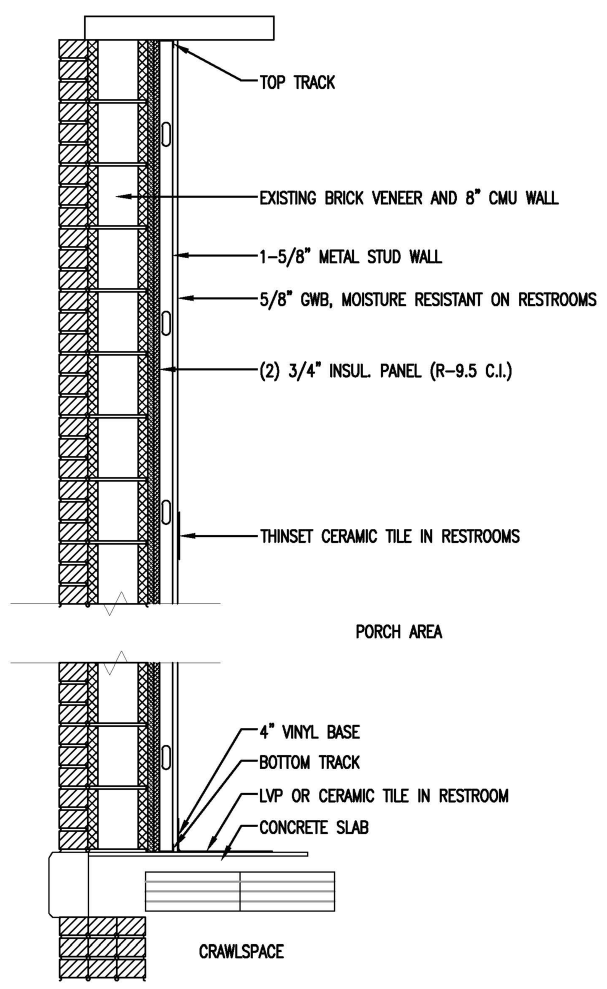
OWNER/TENANT: GOOD HOPE HOSPITAL, 410 DENIM DRIVE, ERWIN, NC 28339
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

SYMBOL	DESCRIPTION	DATE	BY

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: SECTIONS & DETAILS

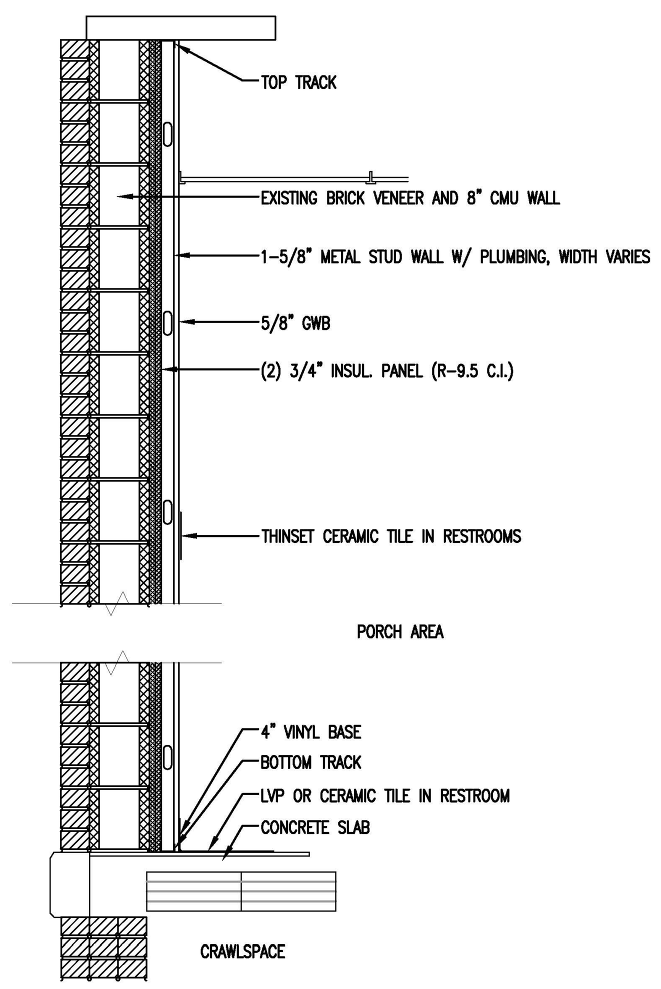
G10



1 G11 WALL STYLE 1

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

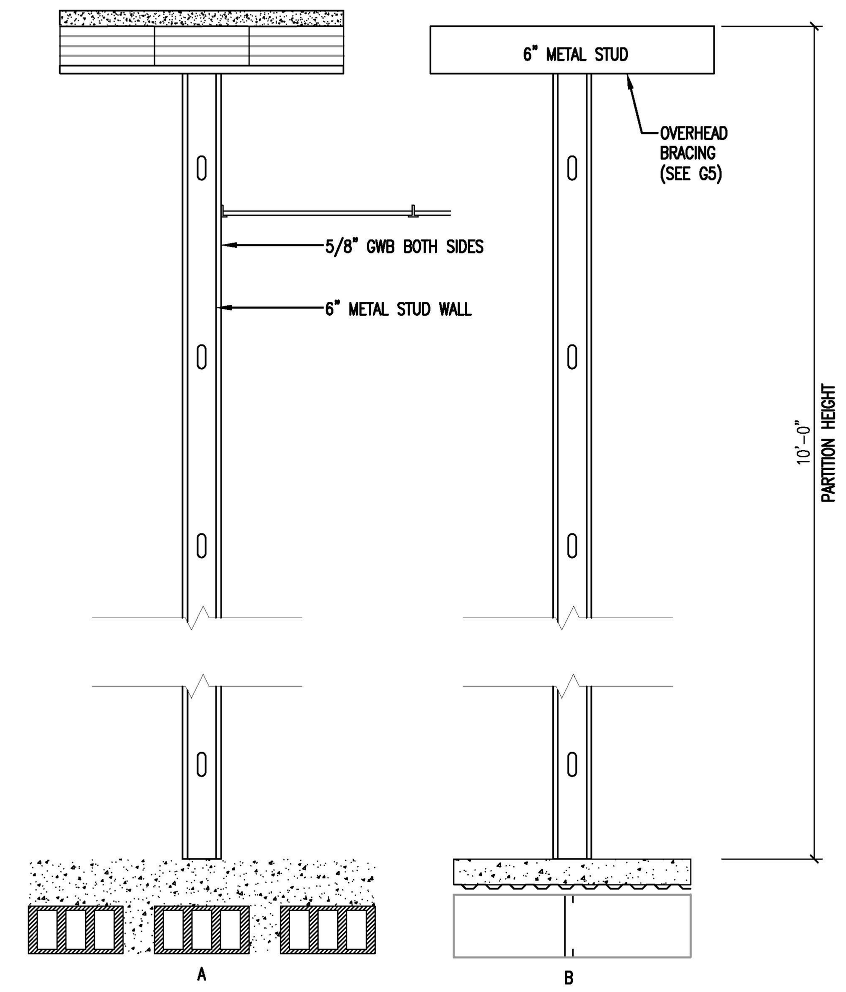
SCALE: 3/4" = 1'-0"



2 G11 WALL STYLE 2

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

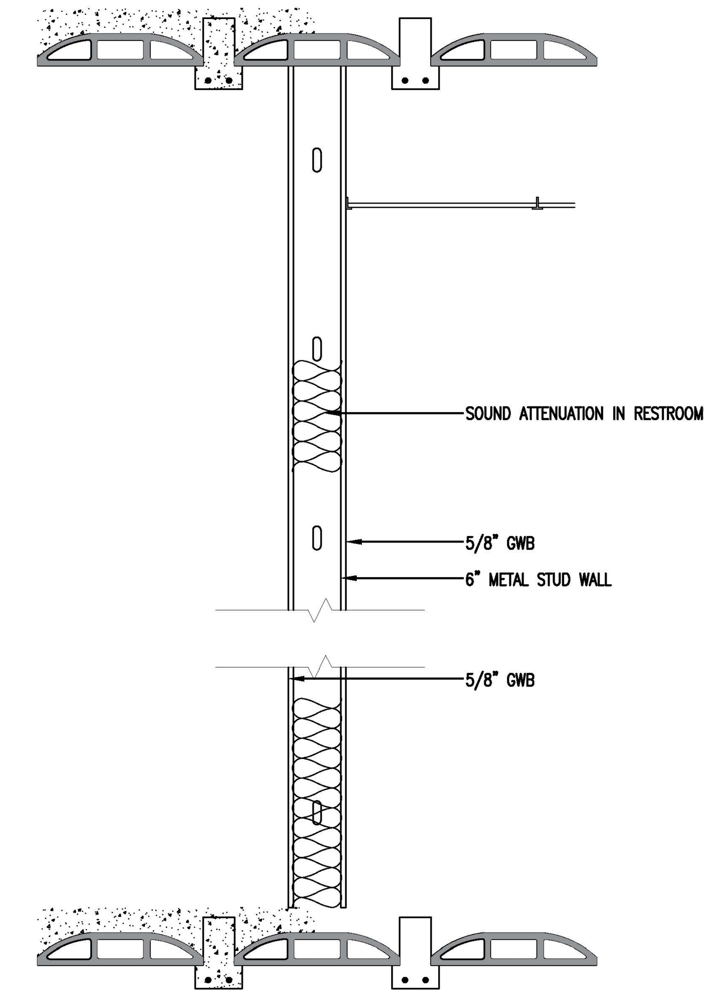
SCALE: 3/4" = 1'-0"



3 G11 WALL STYLE 3

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

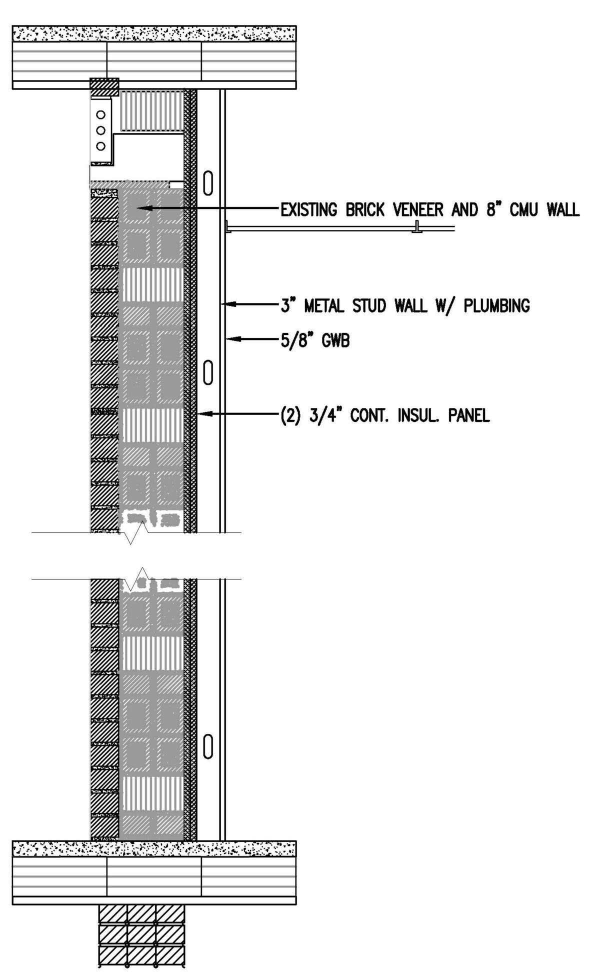
SCALE: 3/4" = 1'-0"



4 G11 WALL STYLE 4

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

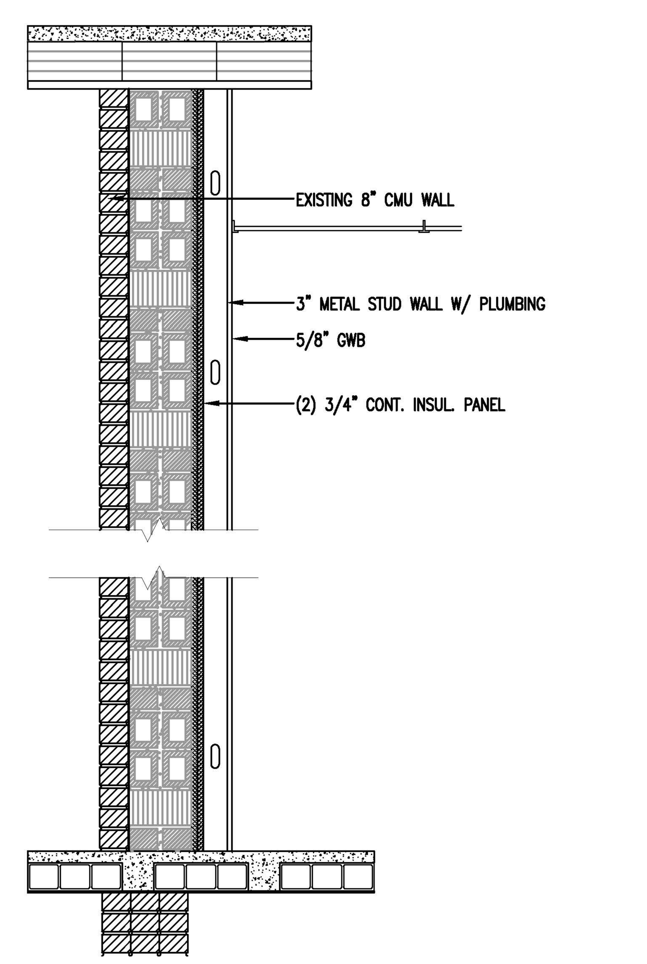
SCALE: 3/4" = 1'-0"



5 G11 WALL STYLE 5

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

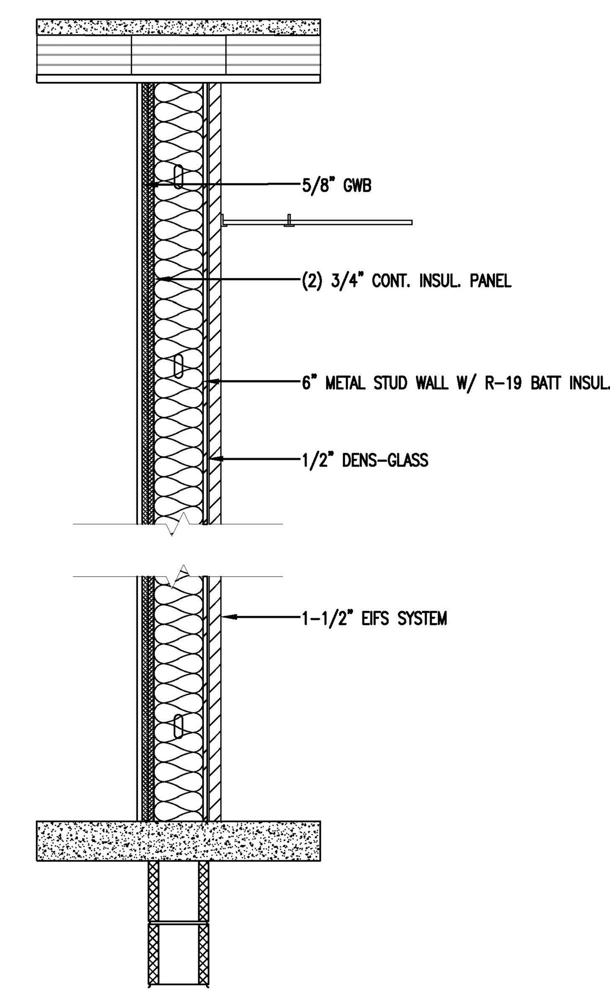
SCALE: 3/4" = 1'-0"



6 G11 WALL STYLE 6

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

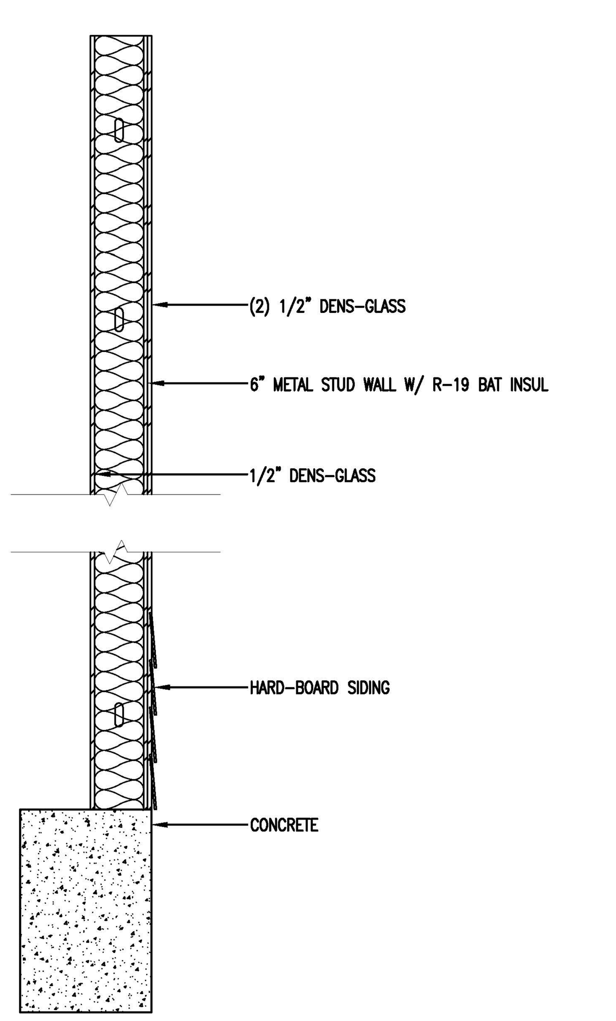
SCALE: 3/4" = 1'-0"



7 G11 WALL STYLE 7

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

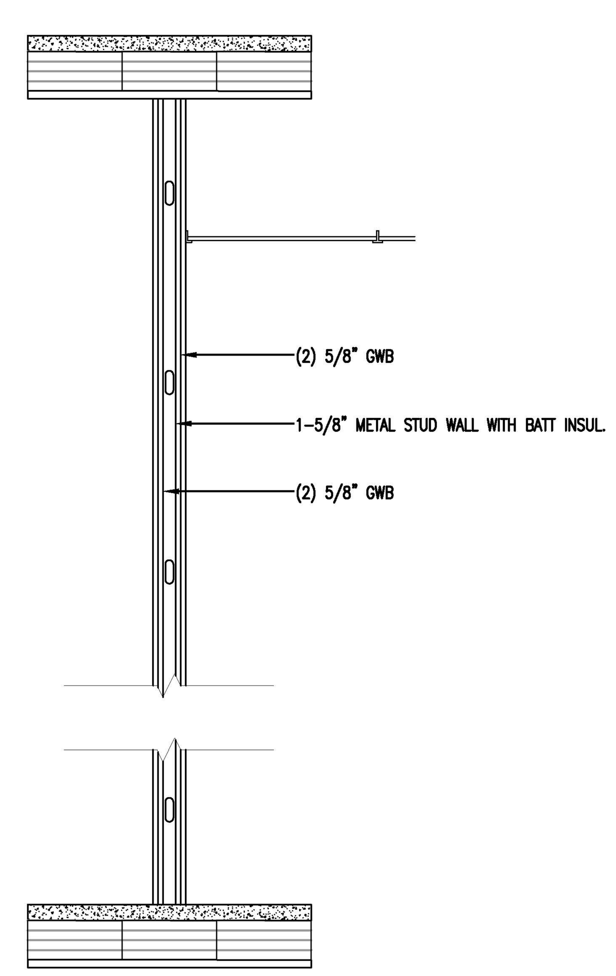
SCALE: 3/4" = 1'-0"



8 G11 WALL STYLE 8

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

SCALE: 3/4" = 1'-0"

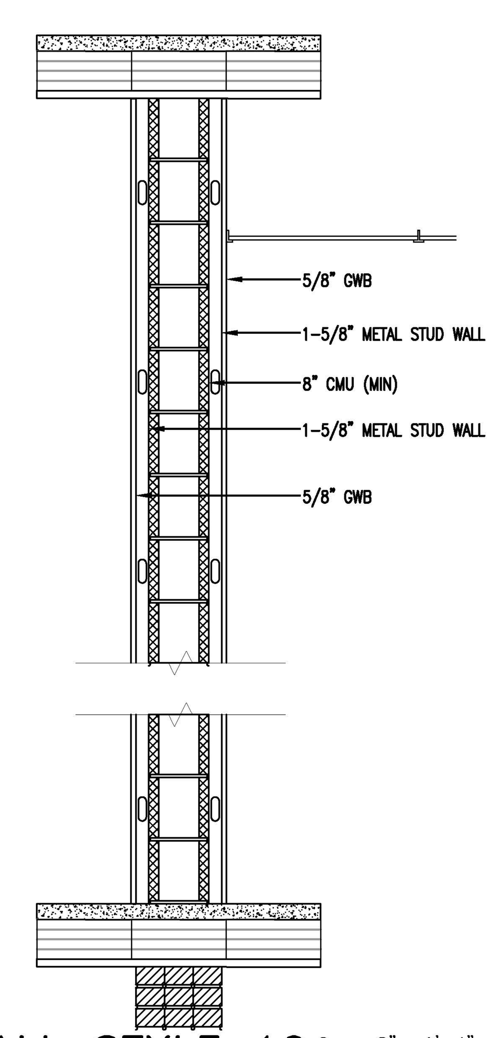


9 G11 WALL STYLE 9

2-HR FIRE RATED

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

SCALE: 3/4" = 1'-0"



10 G11 WALL STYLE 10

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

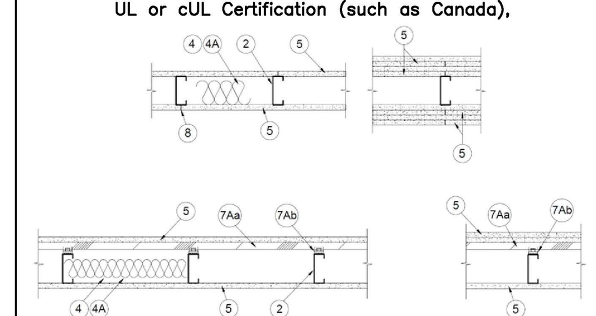
SCALE: 3/4" = 1'-0"

Design No. U419

December 10, 2020

Nonbearing Wall Ratings -- 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



1. Floor and Ceiling Runners -- (Not Shown) -- For use with Item 2 -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Wood Structural Panel Sheathing -- (Optional, For use with Item 5 Only) -- (Not Shown) -- 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* -- (Required as indicated under Item 5) -- Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE
UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE
USG BORAL DRYWALL SFZ LLC -- 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE
USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE
When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item

6. Fasteners -- (Not Shown) -- For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Single layer system with Type ULIX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically.Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. Furring Channels -- (Optional, Not Shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

8. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco -- (Optional, Not Shown) -- Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* -- (Optional, Not Shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO -- Type AS
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
Last Updated on 2020-12-10

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3070

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER

25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

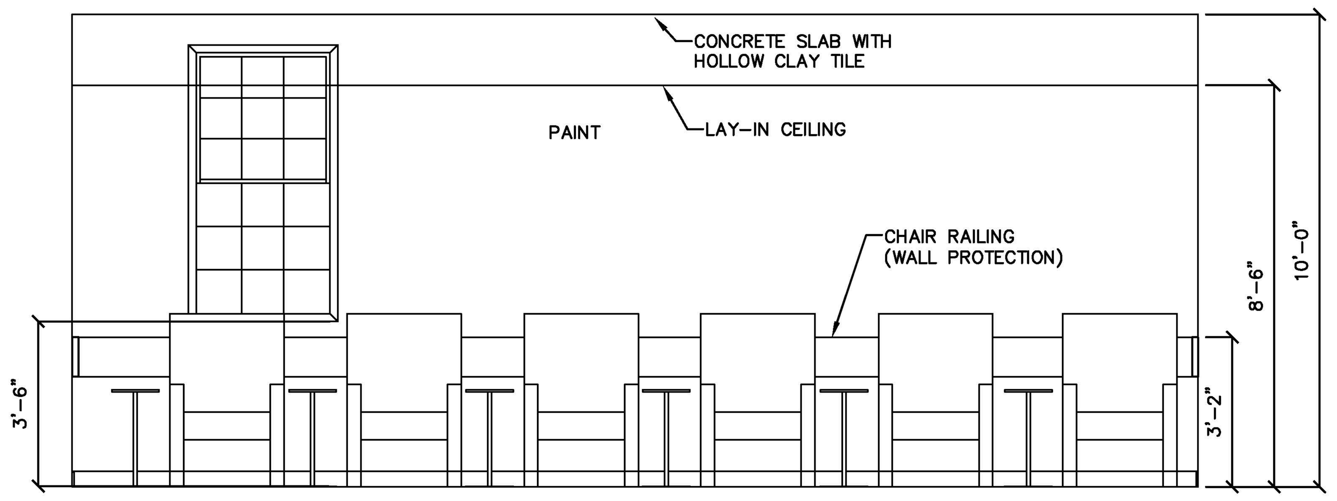
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

SYMBOL | DESCRIPTION | DATE | BY

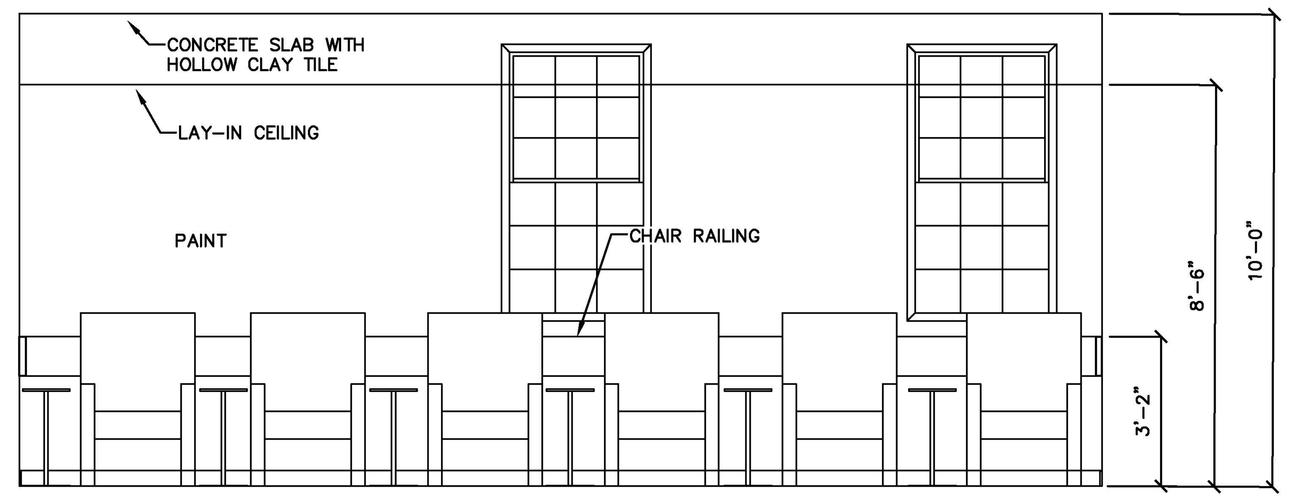
PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: WALL SECTIONS

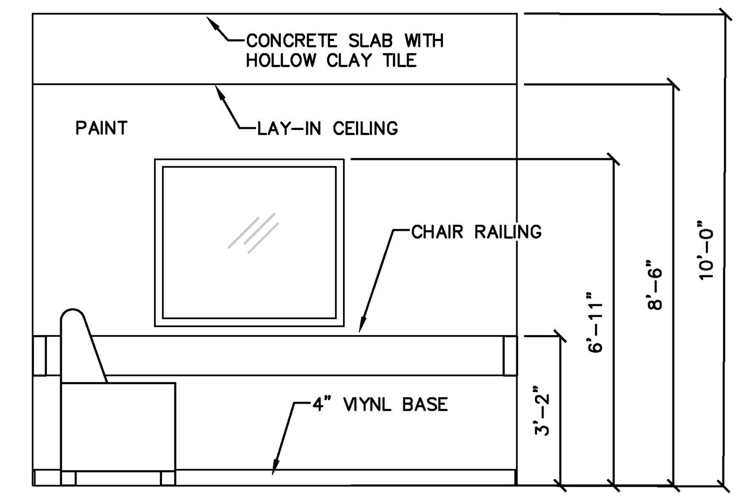
G11



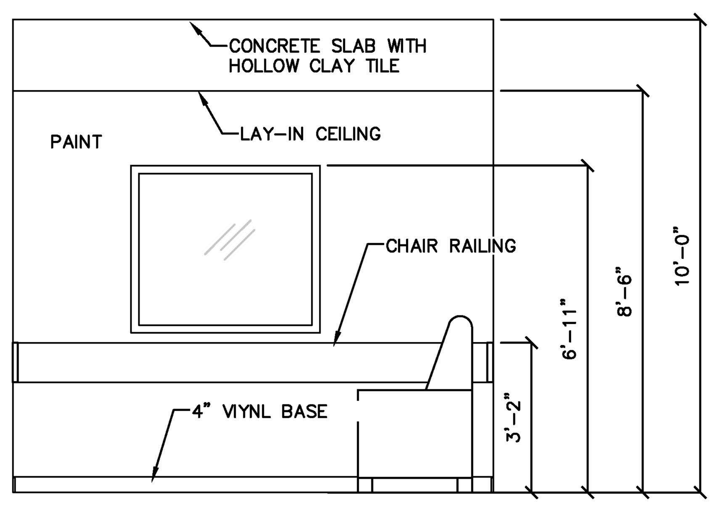
1 G12 CHAIR ROOM 1
ROOM 116
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



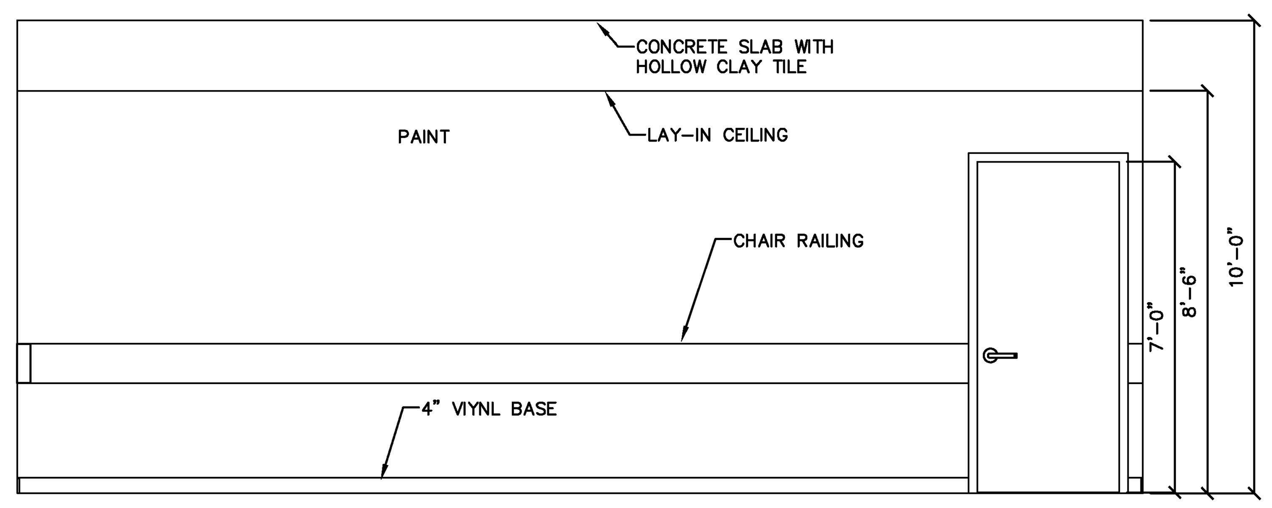
2 G12 CHAIR ROOM 2
ROOM 118
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



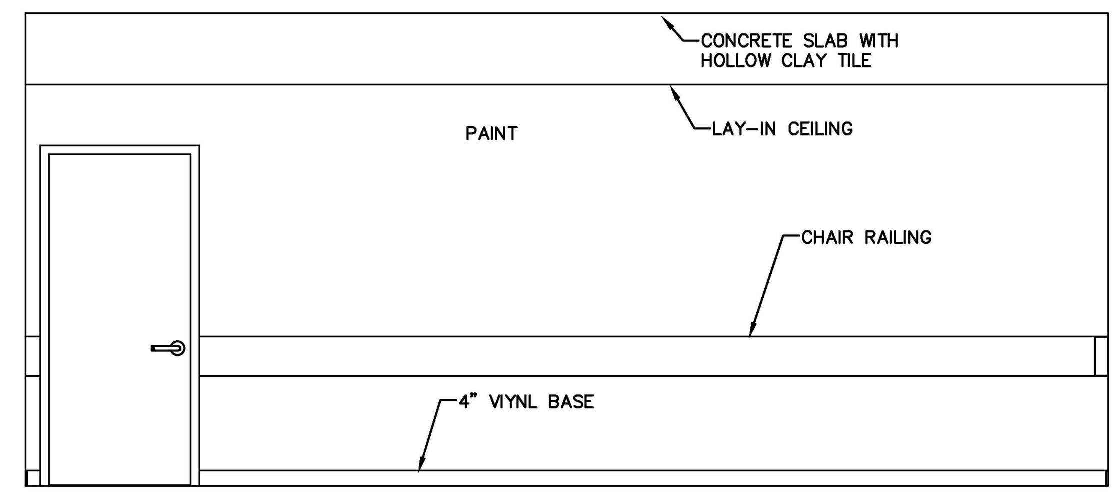
3 G12 CHAIR ROOM 1 – WEST
ROOM 116
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



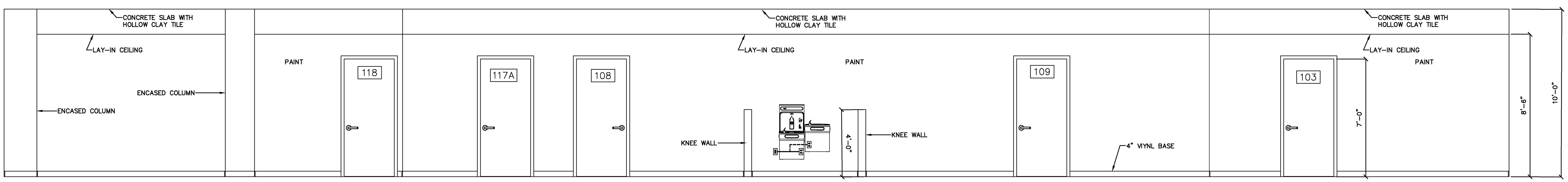
4 G12 CHAIR ROOM 2 – WEST
ROOM 118
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



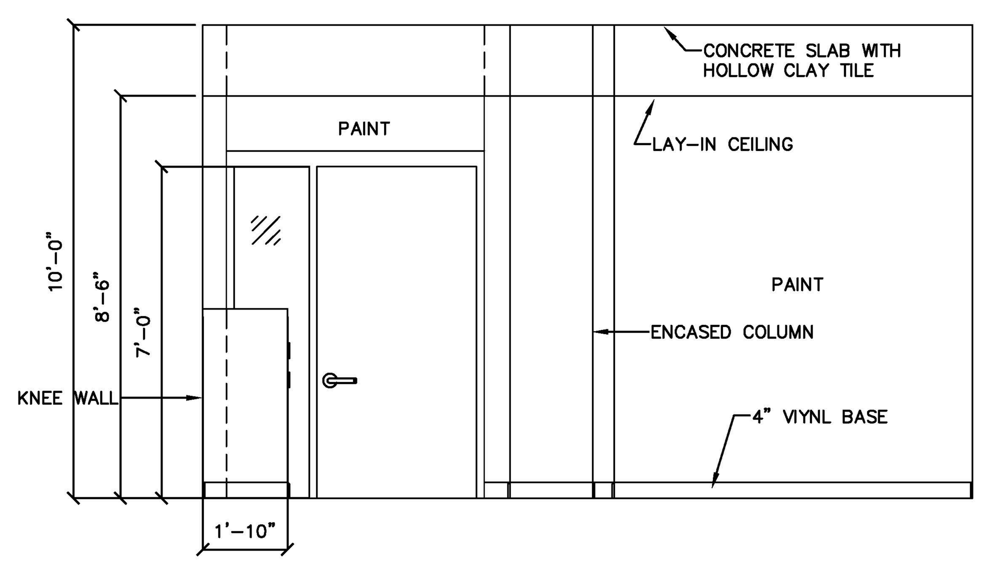
5 G12 CHAIR ROOM 1
ROOM 116
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



6 G12 CHAIR ROOM 2
ROOM 118
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



7 G12 DAYROOM – NORTH
ROOM 117
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"



8 G12 DAYROOM – EAST
ROOM 117
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
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FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
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FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

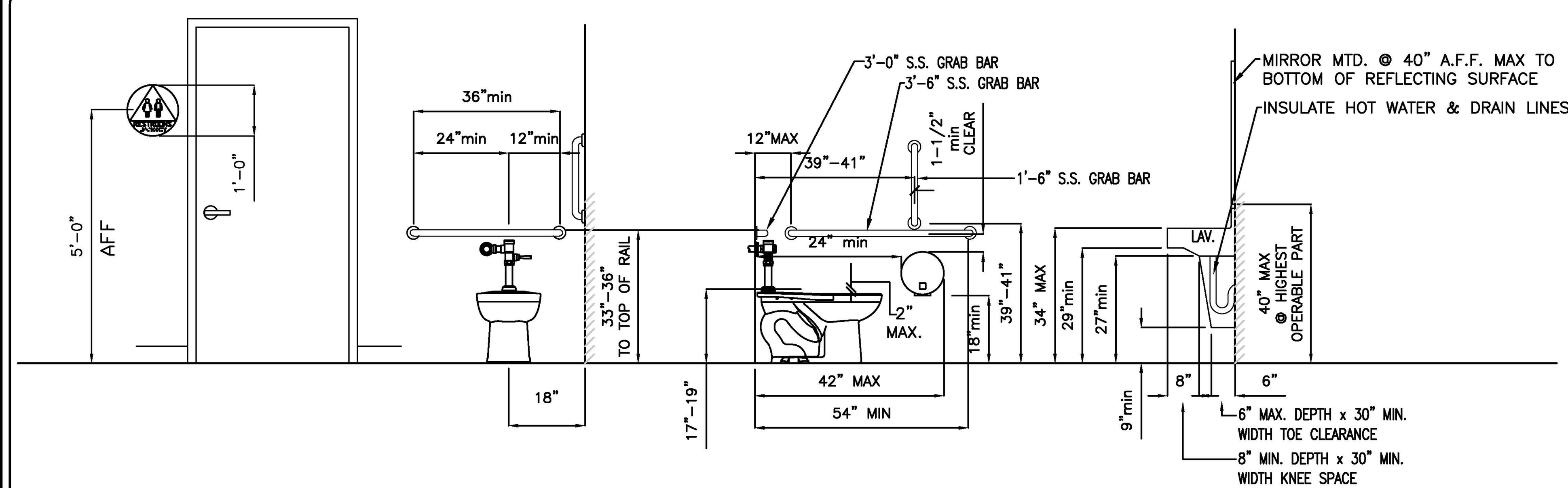
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.

SYMBOL | DESCRIPTION | DATE | BY

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
INTERIOR ELEVATIONS

G12



MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"

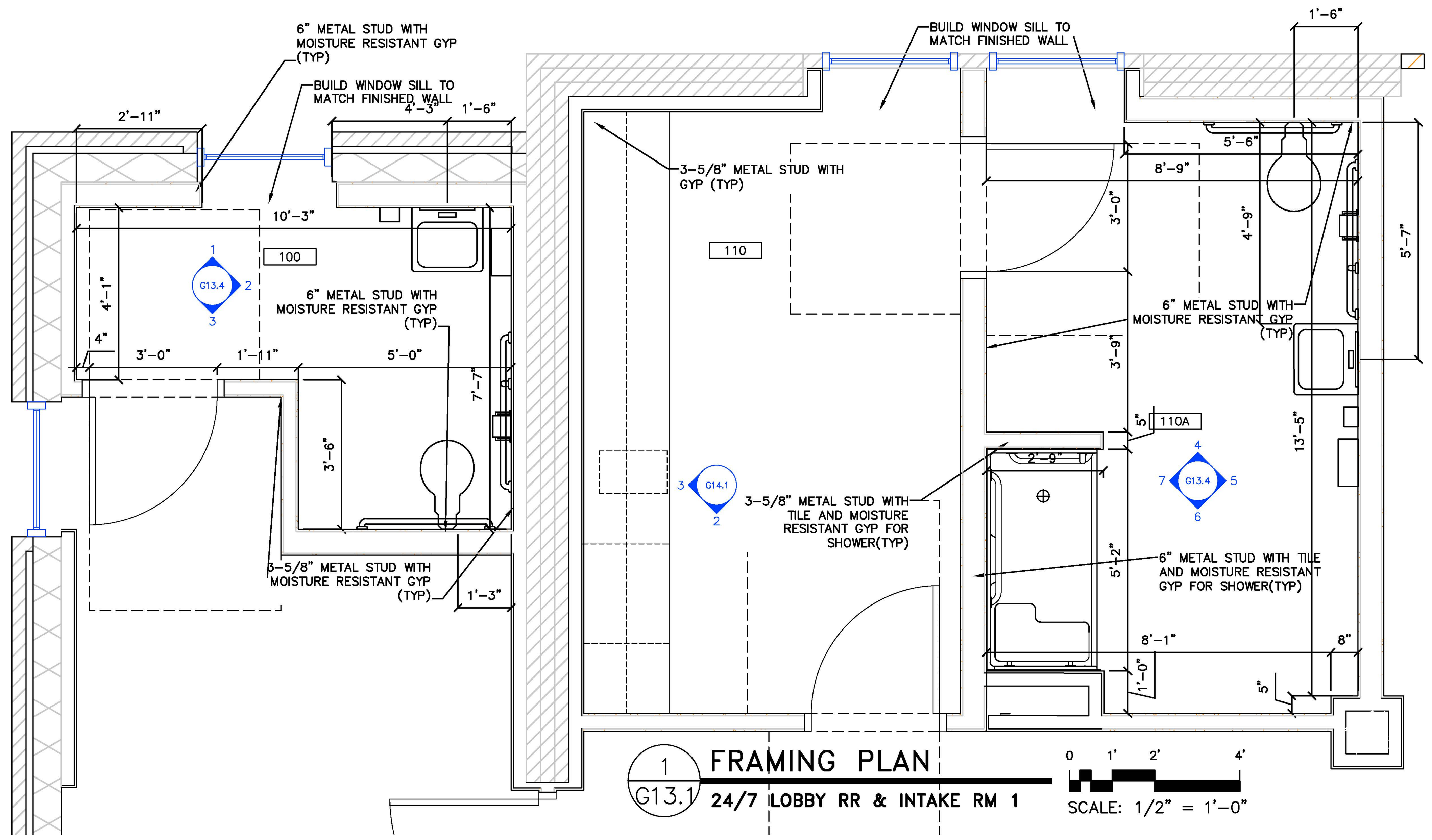
ACCESSORY NOTES:

1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONSTRACTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES

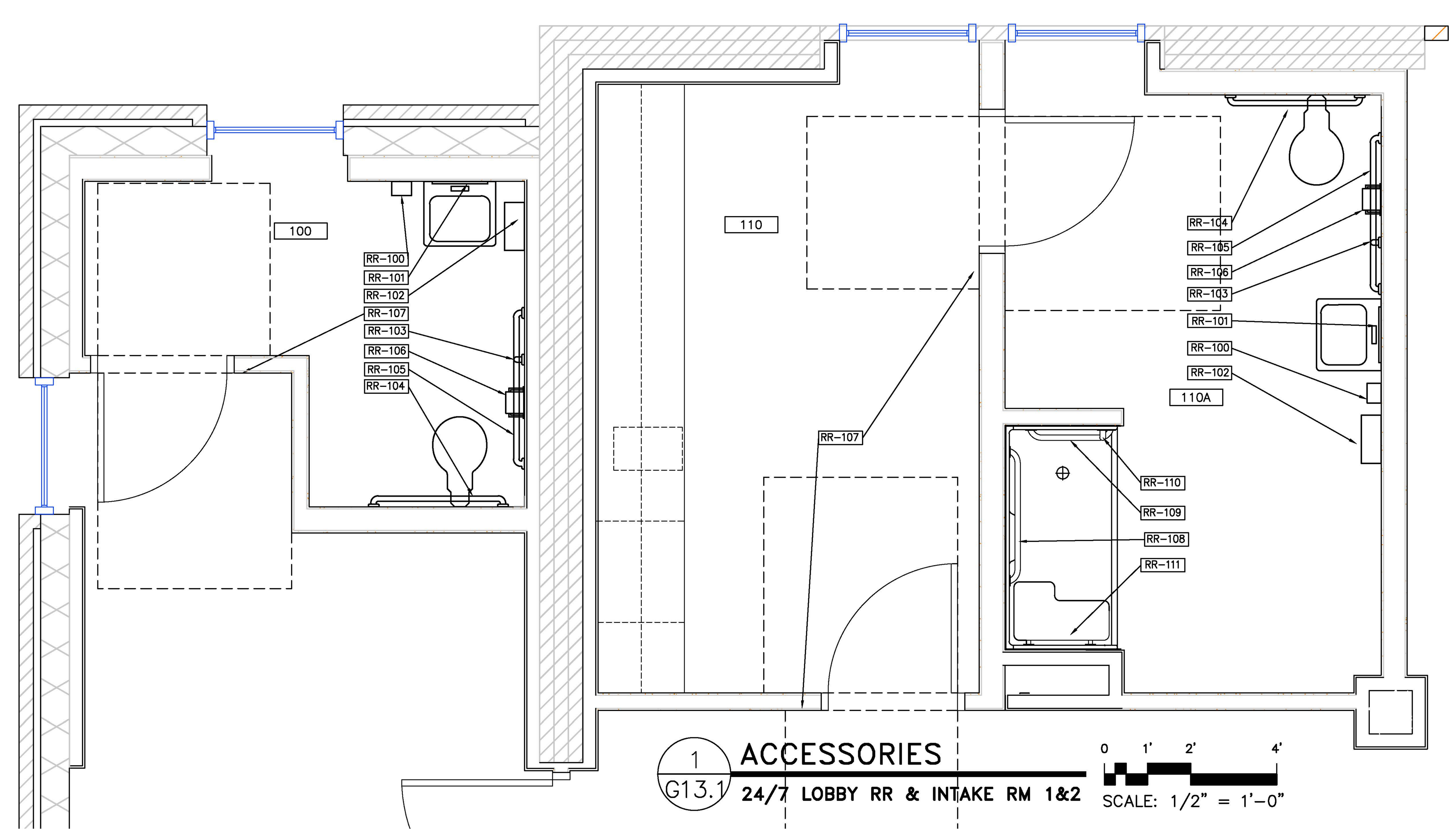
ACCESSORY LEGEND

NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFATURER
	RM 100	RM 110	RM 110A	RM 103	RM 103A	RM 117A	RM 107A	RM 130	RM 131			
RR-100	1	–	1	–	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	–	1	–	1	1	1	1	1	MIRROR, 18"X36"	B-165 1836	BOBRICK
RR-102	1	–	1	–	1	1	1	1	1	PAPER TOWEL DISPENSER	B-2620	BOBRICK
RR-103	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	–	1	–	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	–	1	–	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	–	–	1	–	1	–	–	–	–	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	–	–	1	–	1	–	–	–	–	SHOWER SEAT 26"X22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

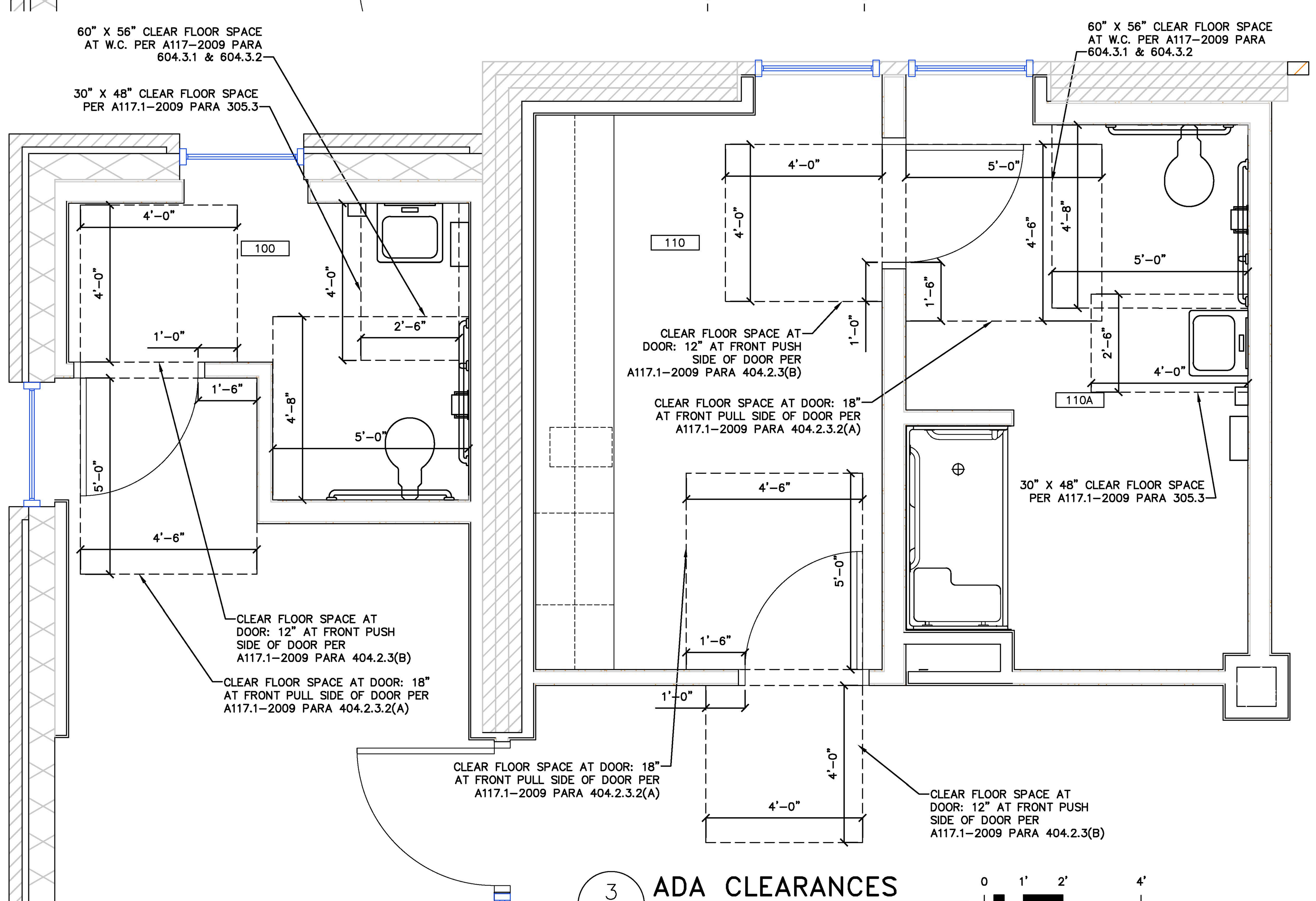
SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.
GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



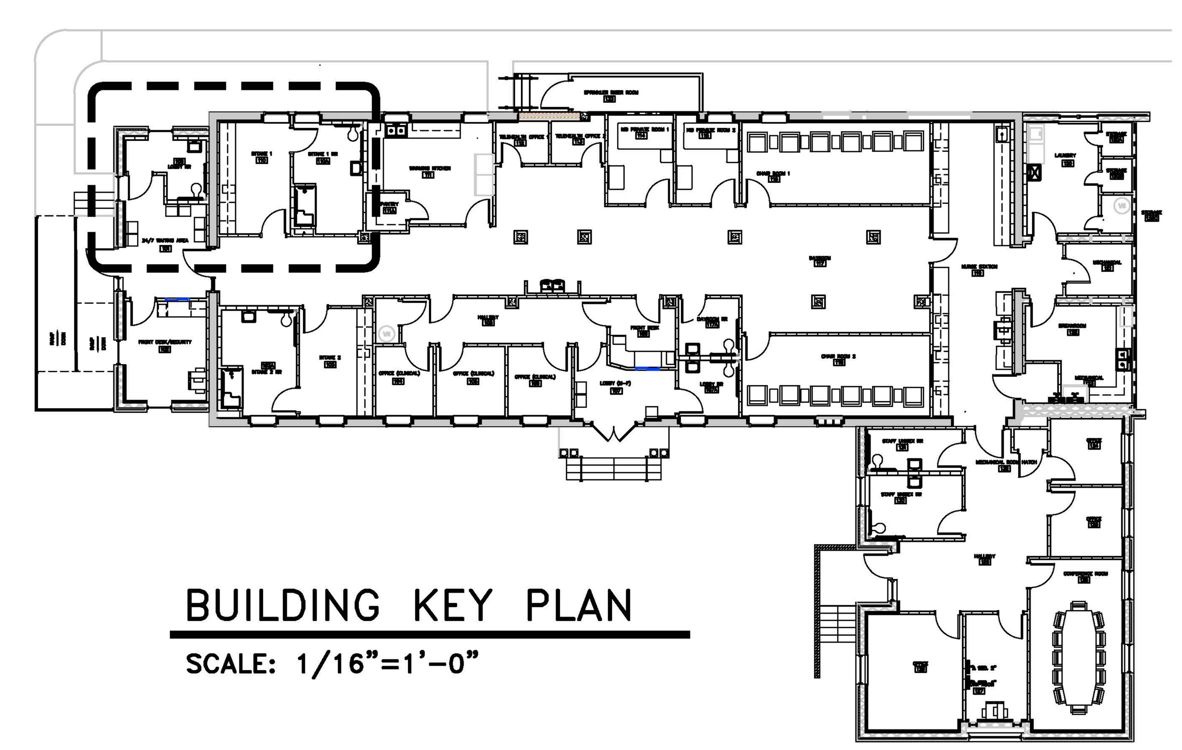
1 G13.1 FRAMING PLAN
24/7 LOBBY RR & INTAKE RM 1
SCALE: 1/2" = 1'-0"



1 G13.1 ACCESSORIES
24/7 LOBBY RR & INTAKE RM 1&2
SCALE: 1/2" = 1'-0"



3 G13.1 ADA CLEARANCES
24/7 LOBBY RR & INTAKE RM 1&2
SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN
SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
23 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 23 JULY 2025

FINAL DRAWING [✓] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

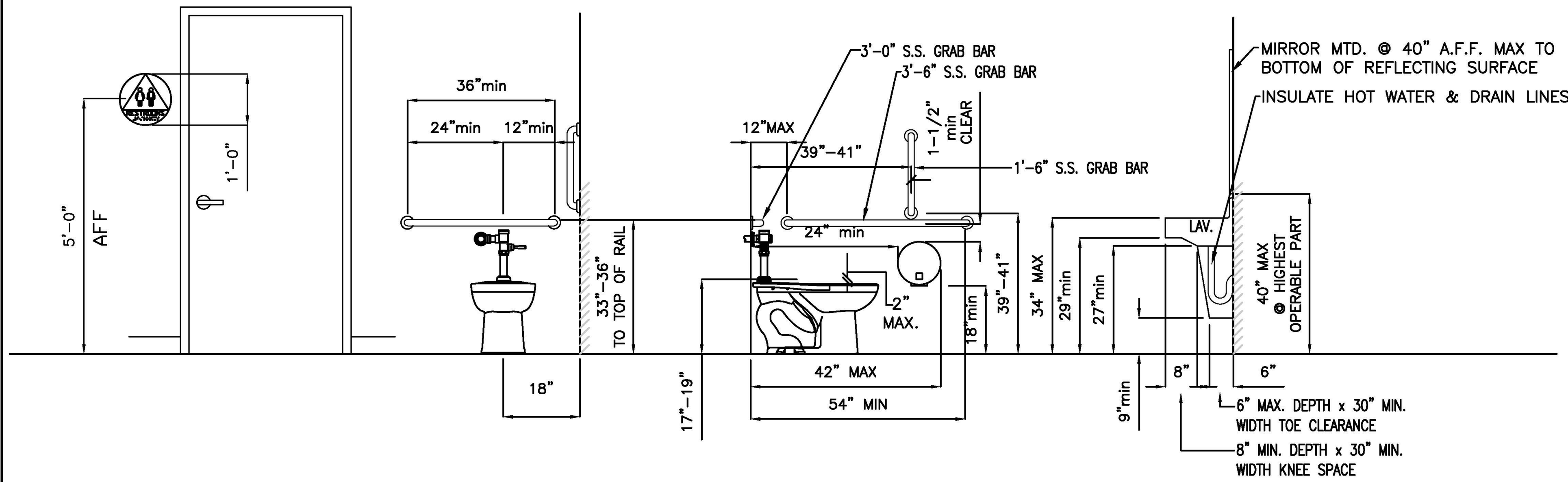
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ADA RESTROOM DETAILS

G13.1



MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"

ACCESSORY NOTES:

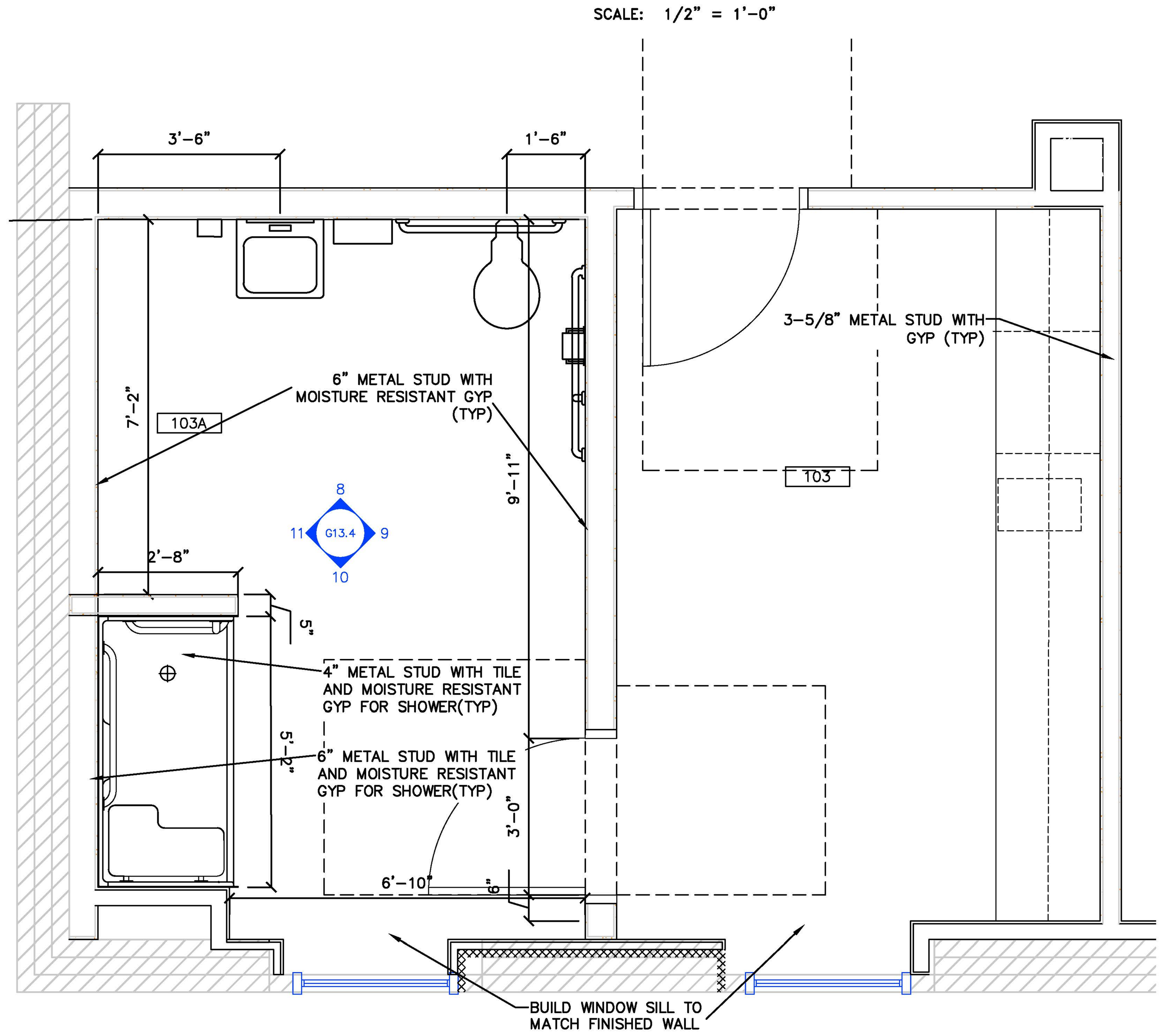
1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONSTRACTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES

ACCESSORY LEGEND

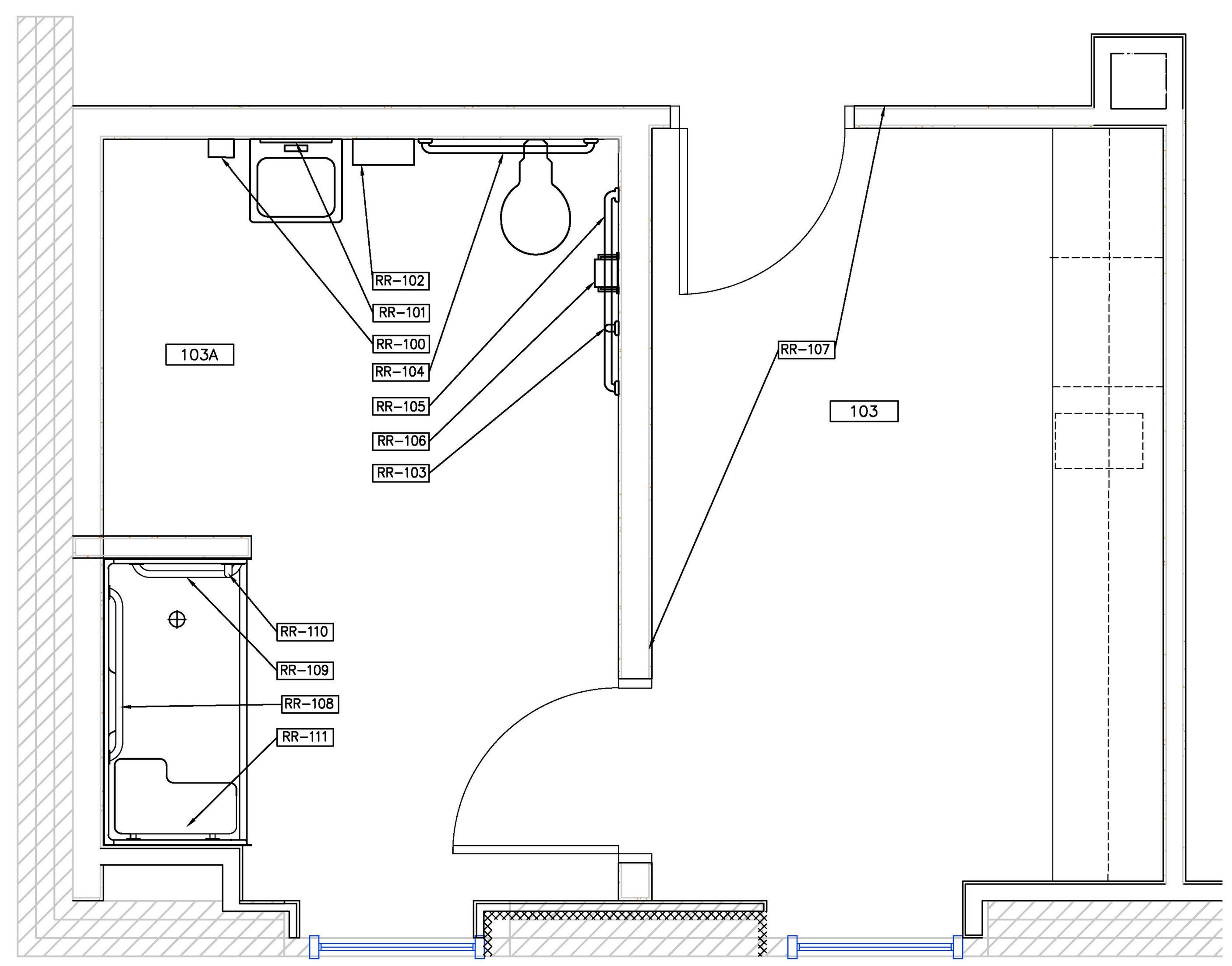
NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFATURER
	RM 100	RM 110	RM 110A	RM 103	RM 103A	RM 117A	RM 107A	RM 130	RM 131			
RR-100	1	–	1	–	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	–	1	–	1	1	1	1	1	MIRROR, 18"X36"	B-165 1836	BOBRICK
RR-102	1	–	1	–	1	1	1	1	1	PAPER TOWEL DISPENSER	B-2620	BOBRICK
RR-103	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	–	1	–	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	–	1	–	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	–	–	1	–	1	–	–	–	–	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	–	–	1	–	1	–	–	–	–	SHOWER SEAT 26"X22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

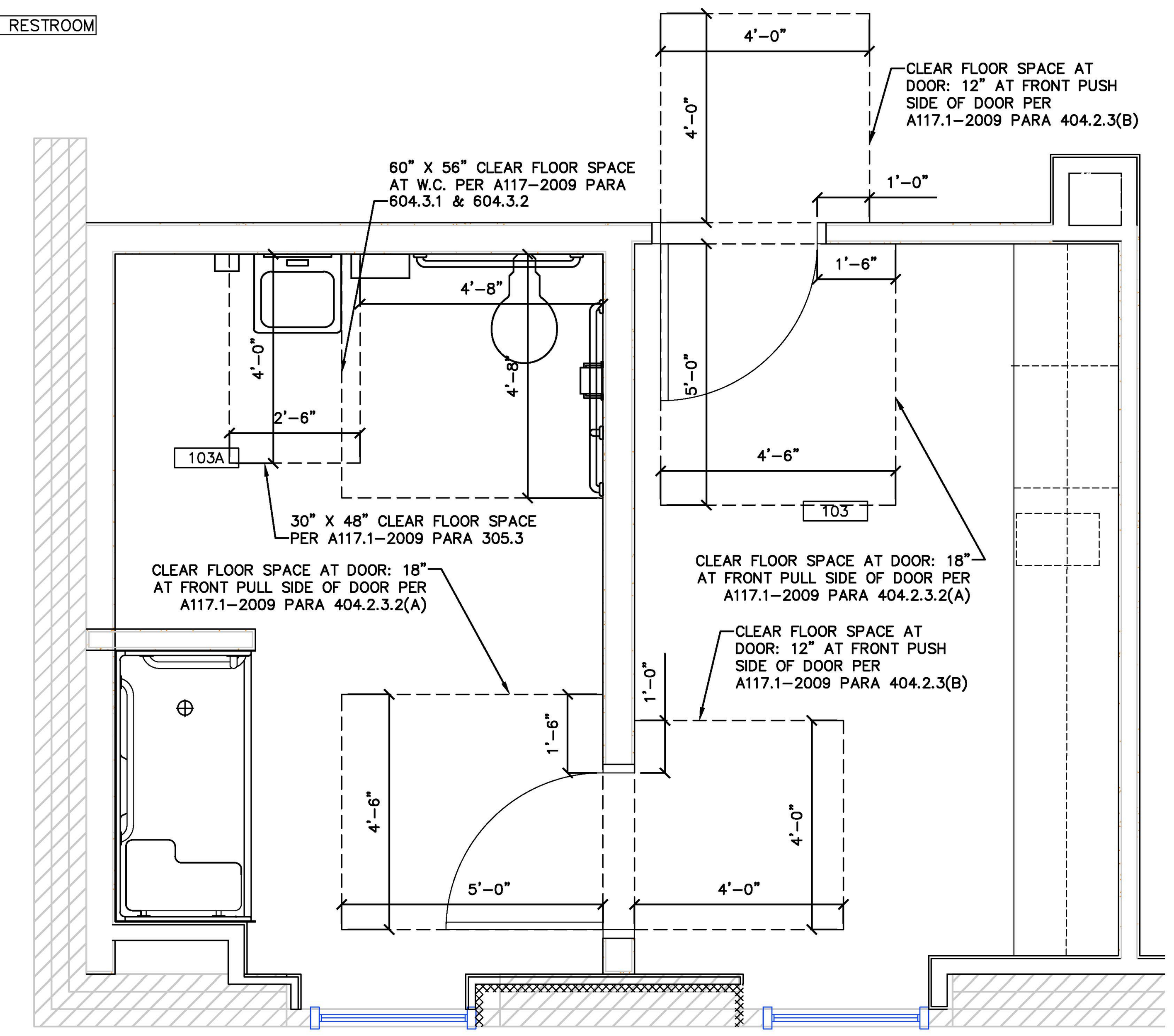
GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



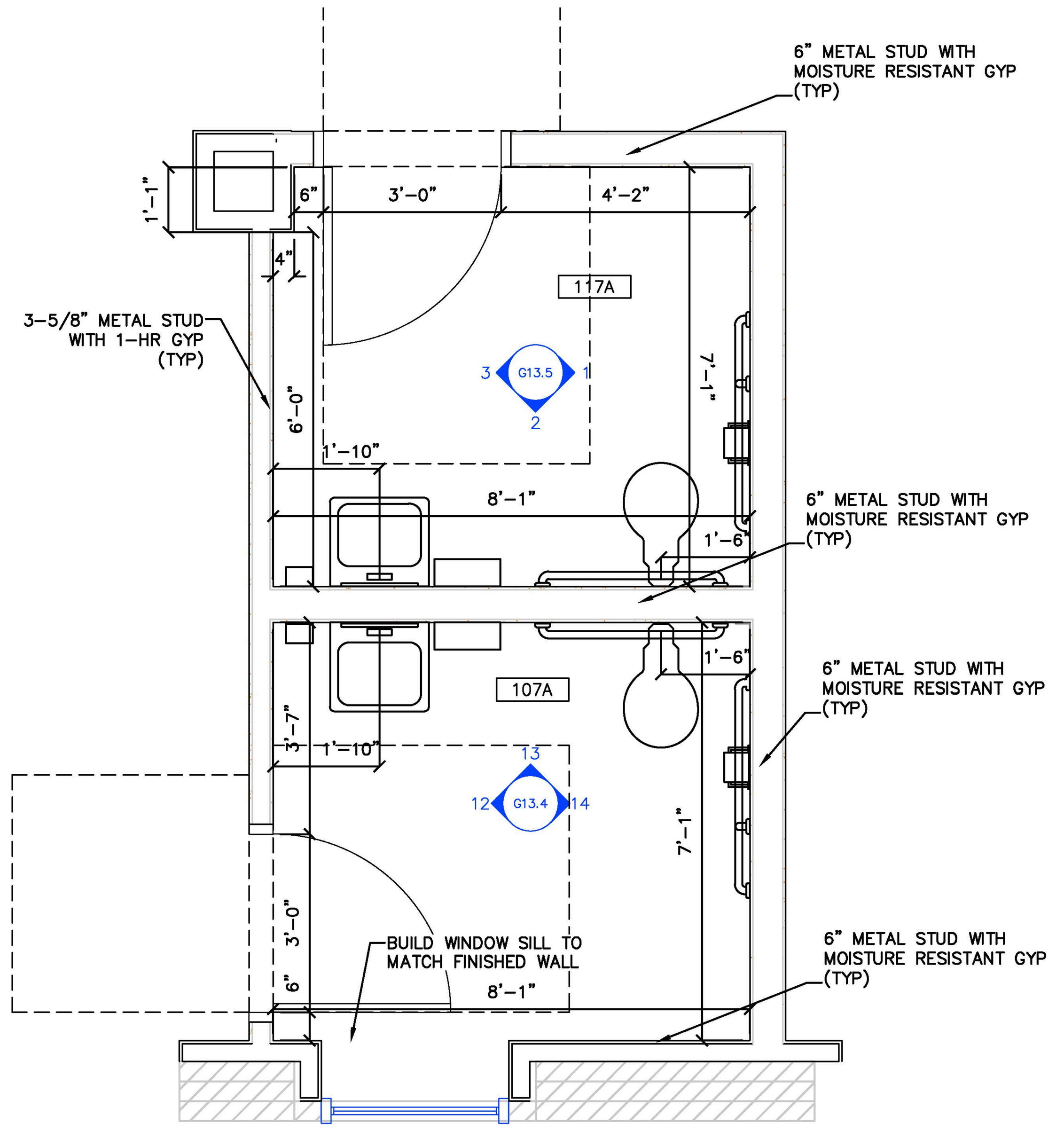
1 G13.2 FRAMING PLAN
INTAKE ROOM 2
SCALE: 1/2" = 1'-0"



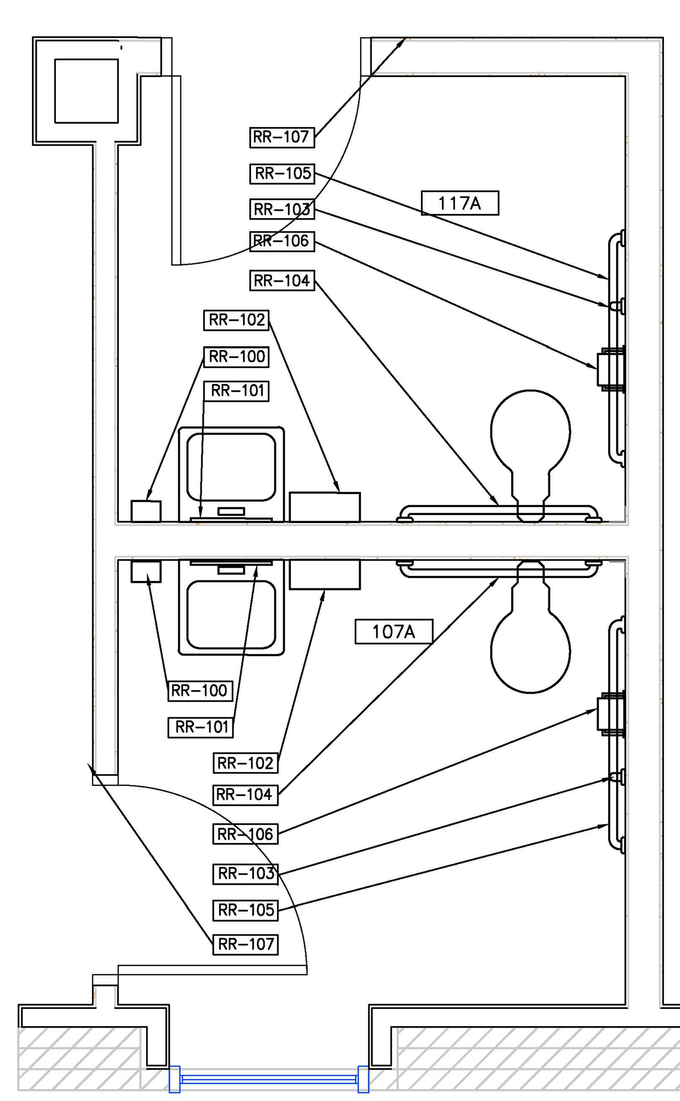
2 G13.2 ACCESSORIES
INTAKE ROOM 2
SCALE: 1/2" = 1'-0"



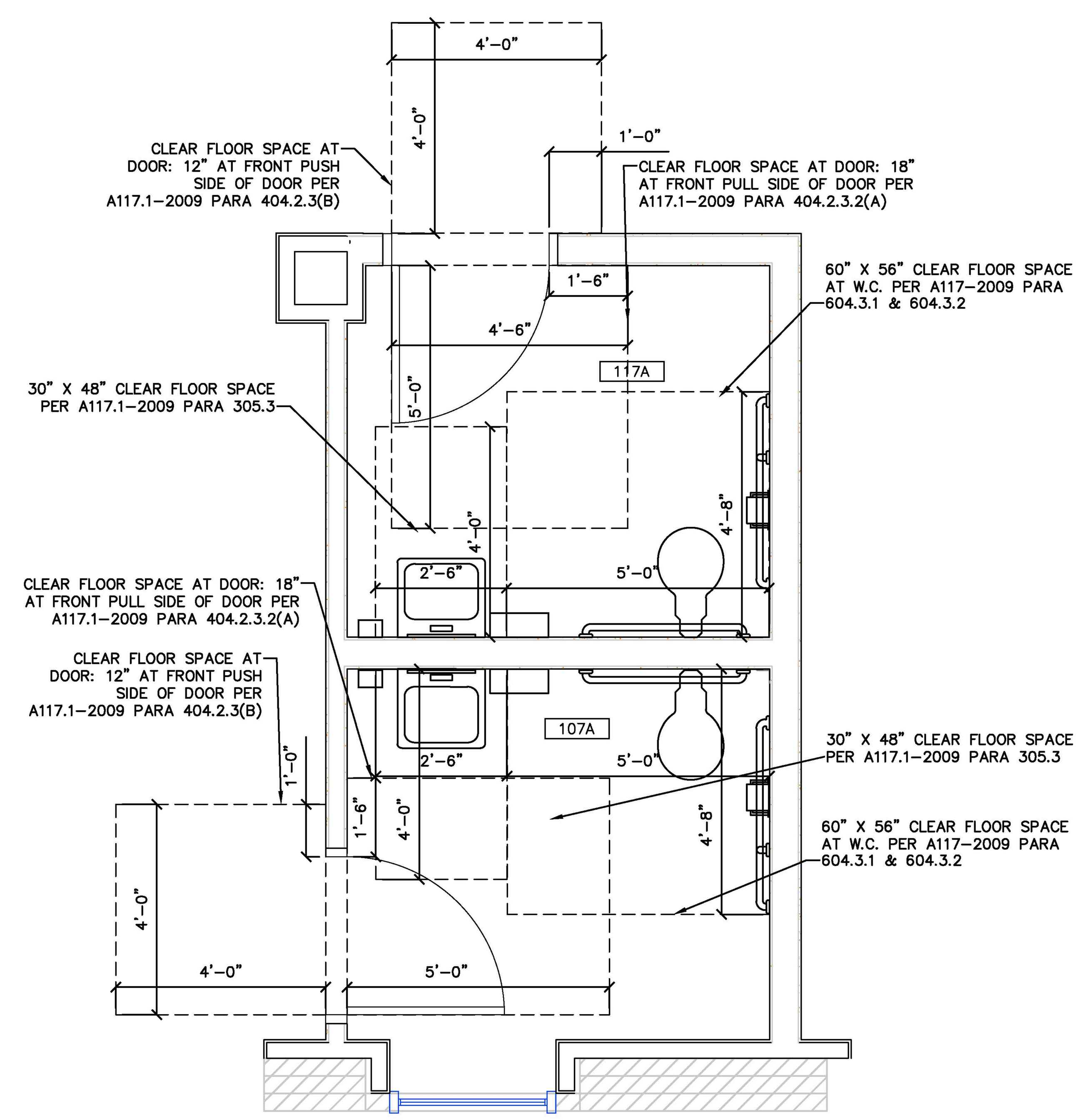
3 G13.2 ADA CLEARANCES
INTAKE ROOM 2
SCALE: 1/2" = 1'-0"



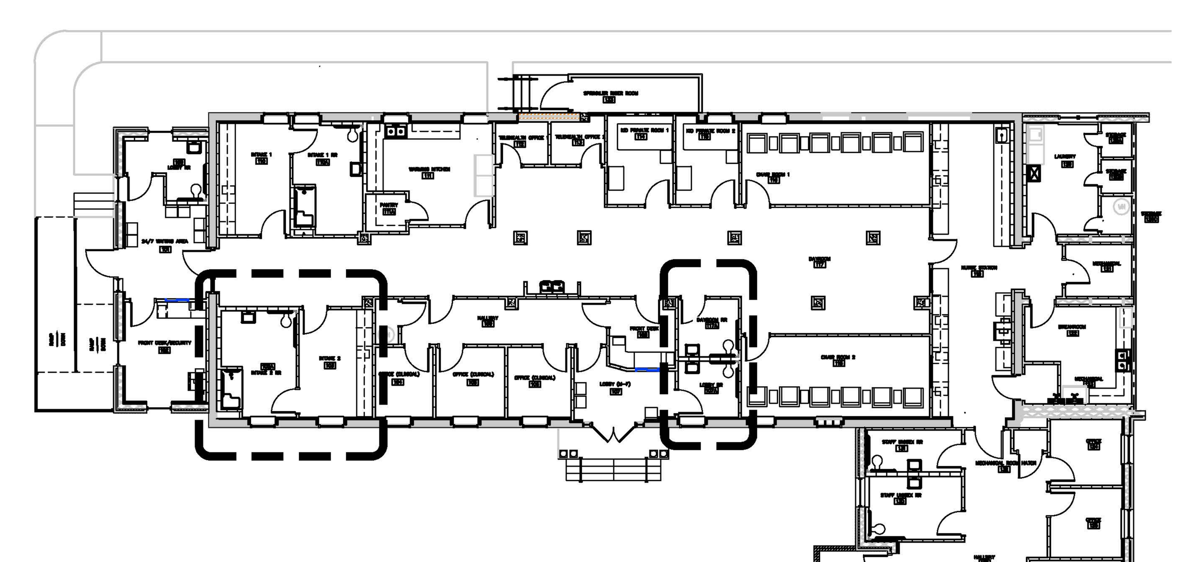
4 G13.2 FRAMING PLAN
M-F LOBBY RR & DAYROOM RR
SCALE: 1/2" = 1'-0"



5 G13.2 ACCESSORIES
M-F LOBBY RR & DAYROOM RR
SCALE: 1/2" = 1'-0"



6 G13.2 ADA CLEARANCES
M-F LOBBY RR & DAYROOM RR
SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN
SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
23 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 23 JULY 2025

FINAL DRAWING ☑ FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [] FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

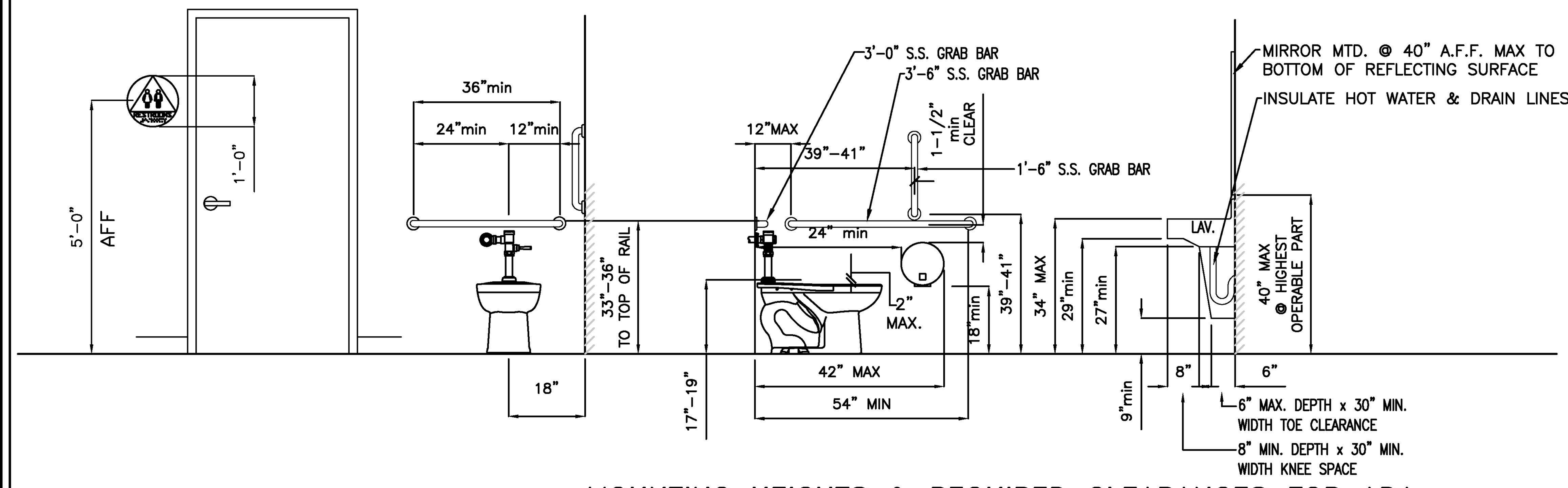
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: ADA RESTROOM DETAILS

G13.2



MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"

ACCESSORY NOTES:

1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
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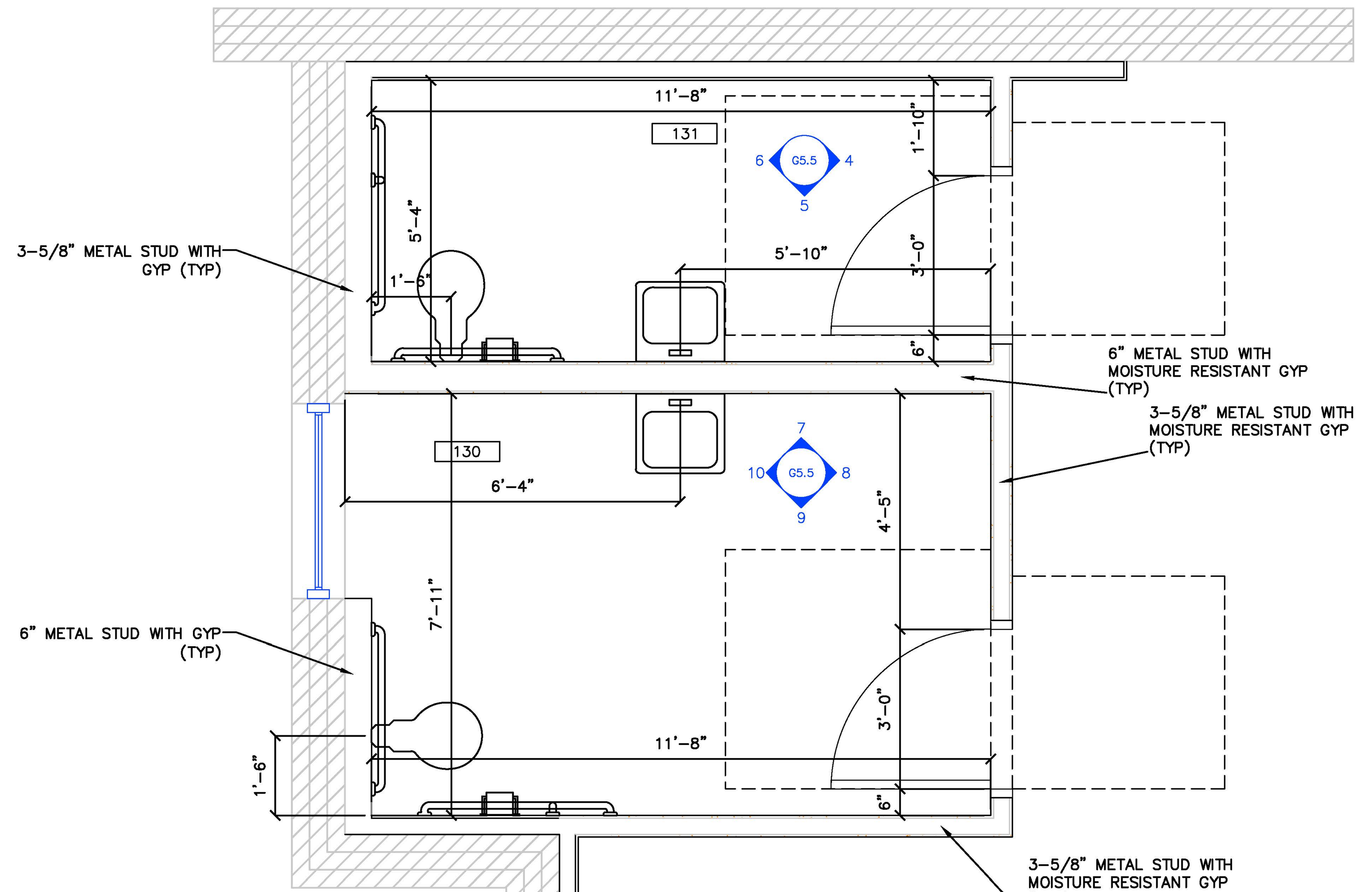
ACCESSORY LEGEND

NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFATURER
	RM 100	RM 110	RM 110A	RM 103	RM 103A	RM 117A	RM 107A	RM 130	RM 131			
RR-100	1	–	1	–	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	–	1	–	1	1	1	1	1	MIRROR, 18"X36"	B-165 1836	BOBRICK
RR-102	1	–	1	–	1	1	1	1	1	PAPER TOWEL DISPENSER	B-2620	BOBRICK
RR-103	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	–	1	–	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	–	1	–	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	–	–	1	–	1	–	–	–	–	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	–	–	1	–	1	–	–	–	–	SHOWER SEAT 26"X22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

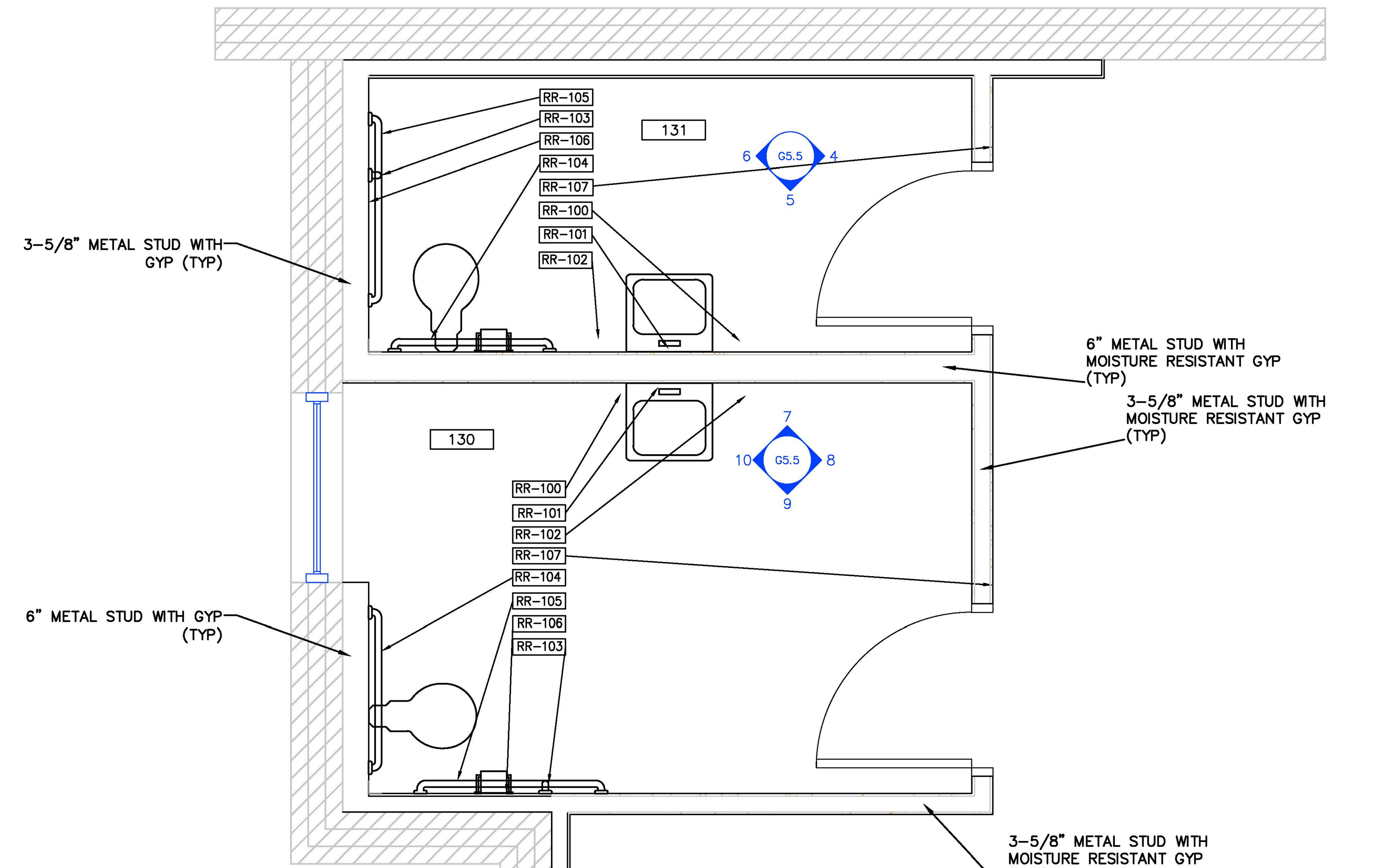
GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



1 G13.3 FRAMING PLAN

STAFF UNISEX RR

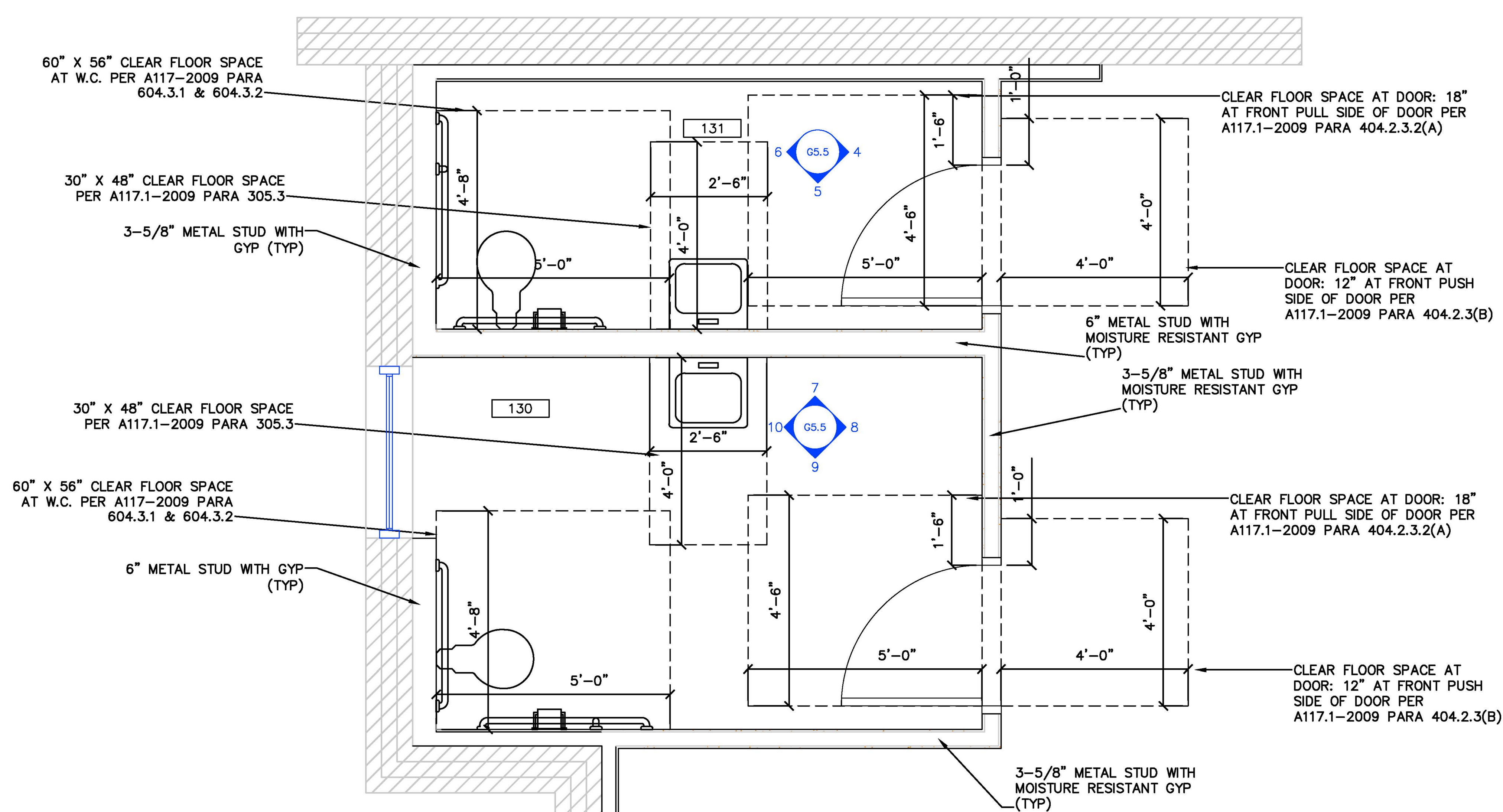
SCALE: 1/2" = 1'-0"



2 G13.3 ACCESSORIES

STAFF UNISEX RR

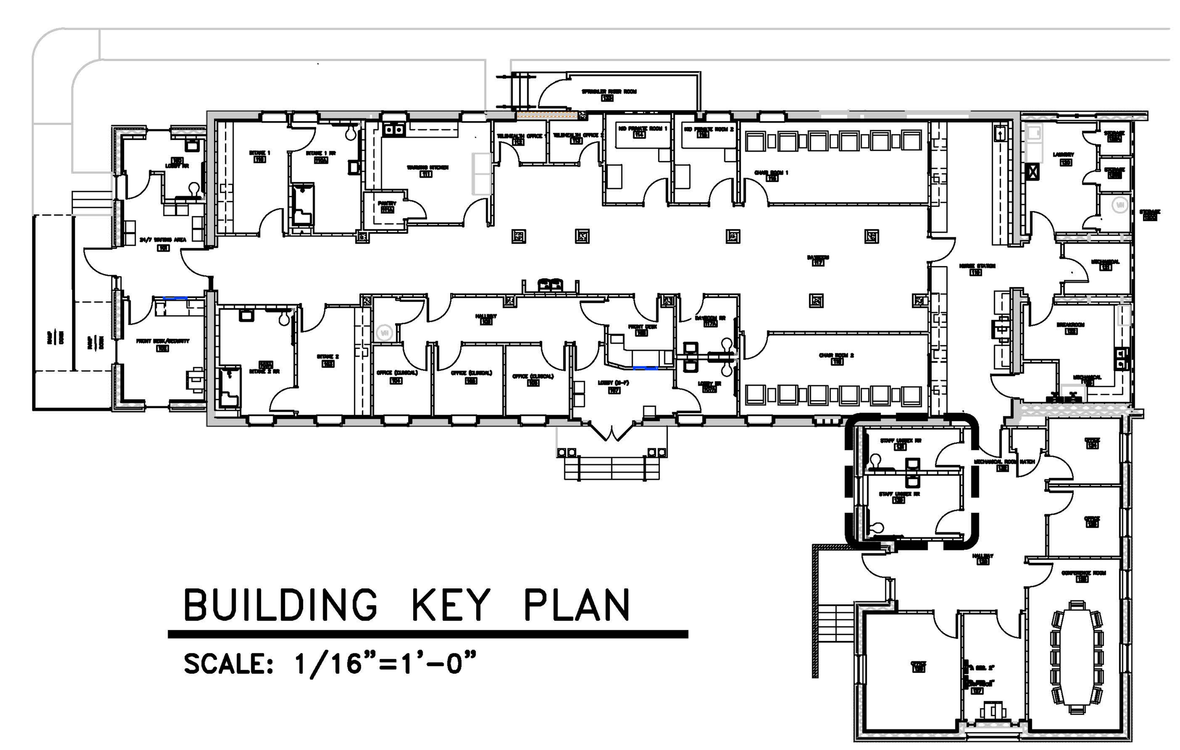
SCALE: 1/2" = 1'-0"



3 G13.3 ADA CLEARANCES

STAFF UNISEX RR

SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN

SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907
NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON
23 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 23 JULY 2025

FINAL DRAWING [✓] FOR REVIEW PURPOSES ONLY
PRELIMINARY [ ] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [ ] FOR CONSTRUCTION

OWNER/TENANT:
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410 DENIM DRIVE, ERWIN, NC 28339

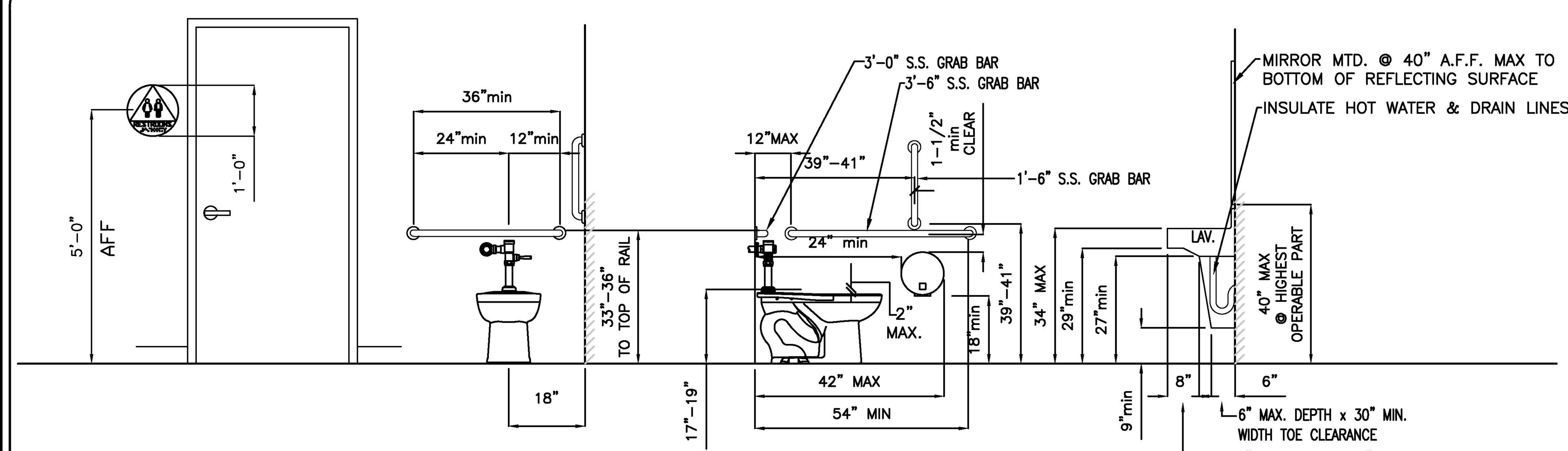
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ADA RESTROOM DETAILS

G13.3



MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"

ACCESSORY NOTES:

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ACCESSORY LEGEND

NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFATURER
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RR-100	1	–	1	–	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	–	1	–	1	1	1	1	1	MIRROR, 18"X36"	B-165 1836	BOBRICK
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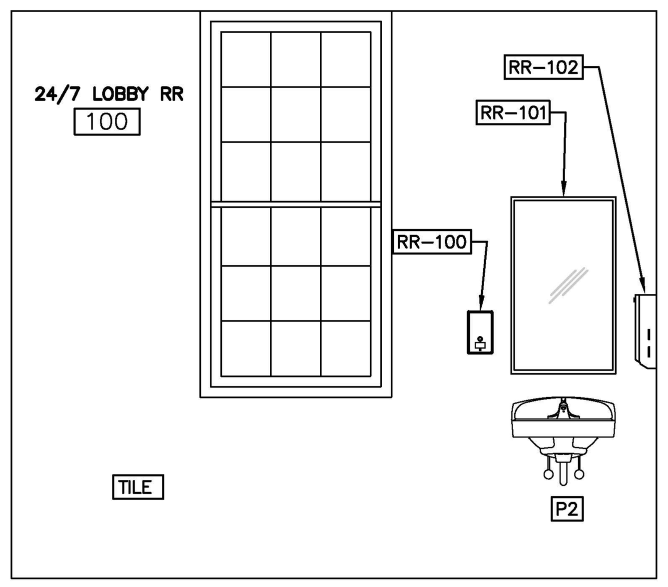
RR-103	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	–	1	–	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	–	1	–	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	–	–	1	–	1	–	–	–	–	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	–	–	1	–	1	–	–	–	–	SHOWER SEAT 26"X22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

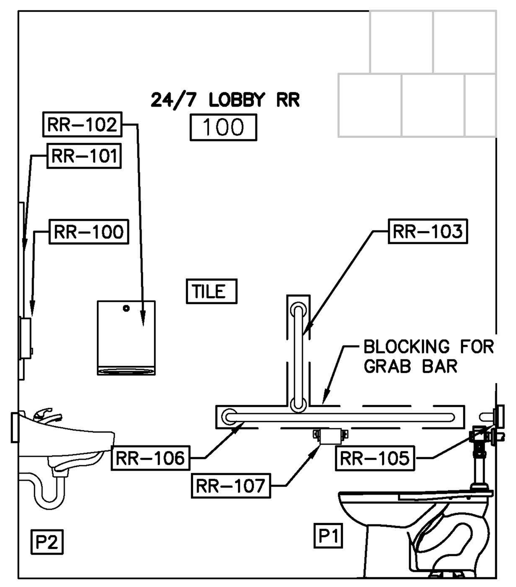
SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



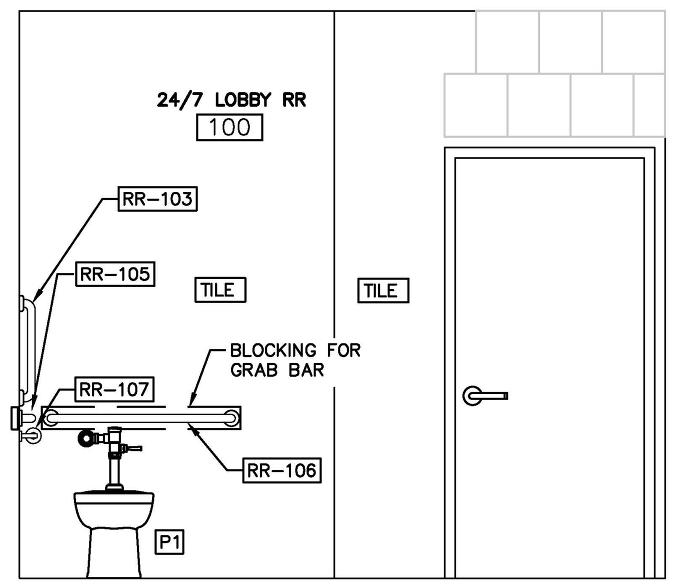
1 G13.4 RR ELEVATION 24/7 LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



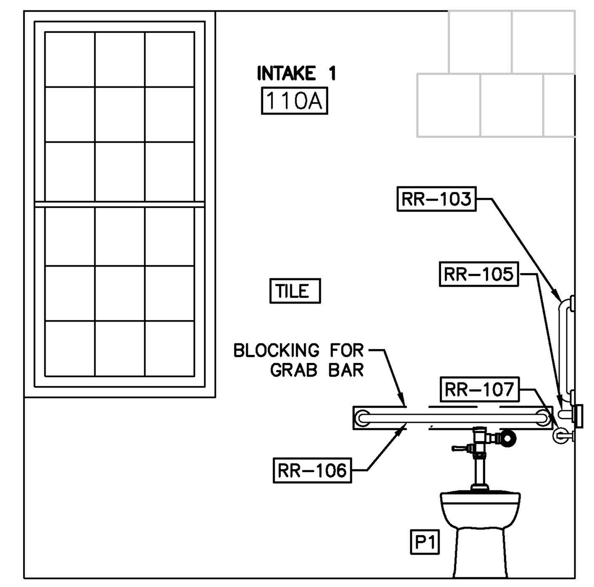
2 G13.4 RR ELEVATION 24/7 LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



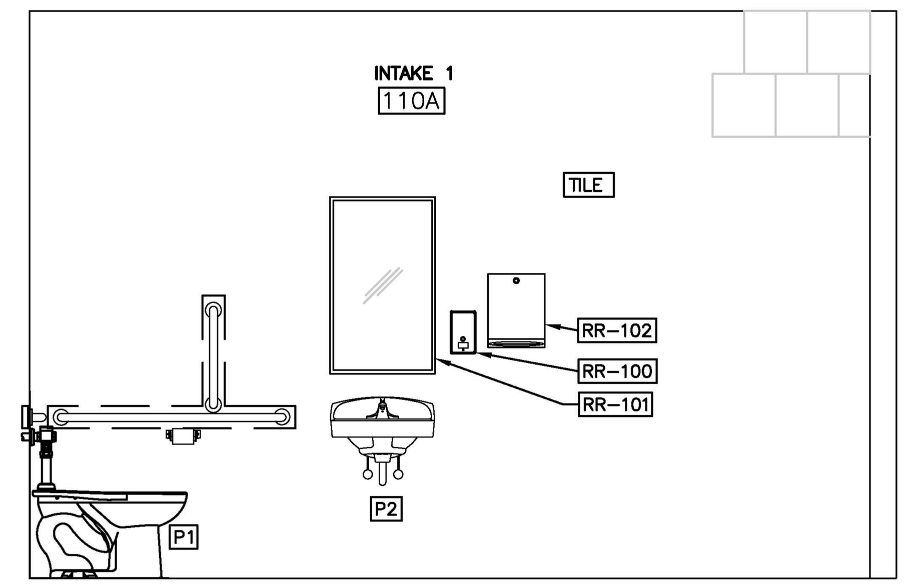
3 G13.4 RR ELEVATION 24/7 LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



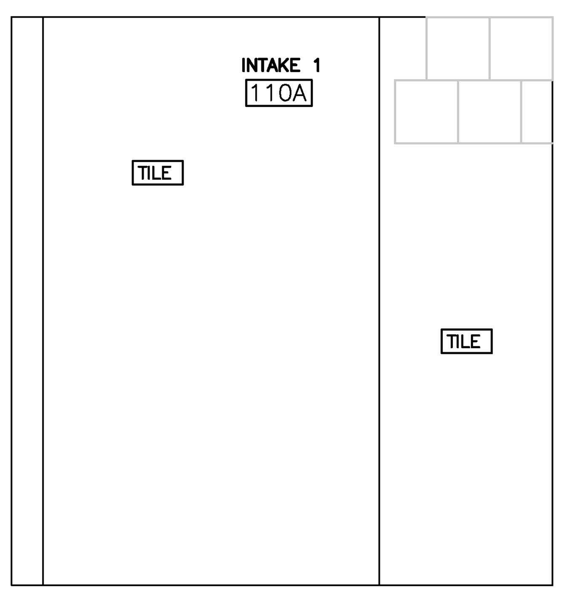
4 G13.4 RR ELEVATION INTAKE 1

0 1' 2' 4' SCALE: 1/2" = 1'-0"



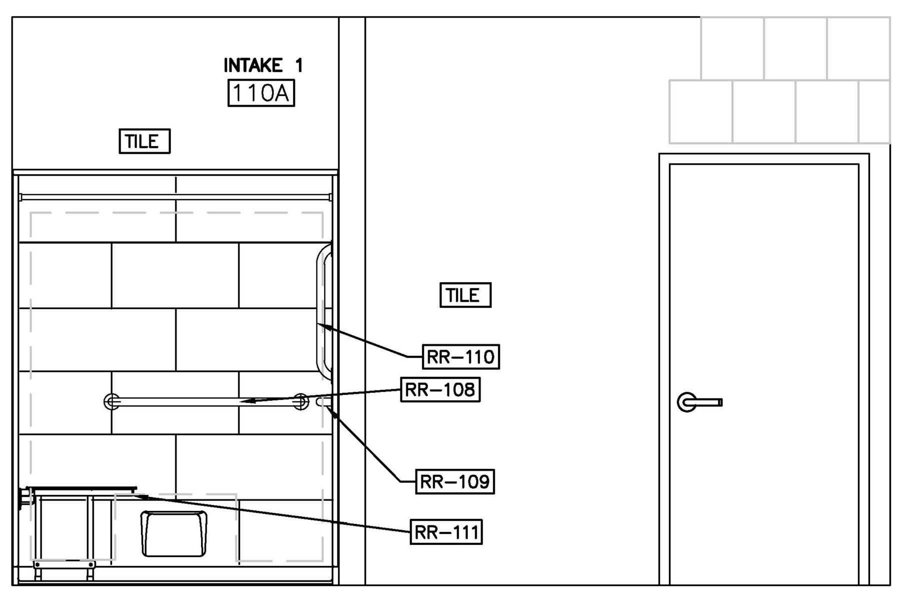
5 G13.4 RR ELEVATION INTAKE 1

0 1' 2' 4' SCALE: 1/2" = 1'-0"



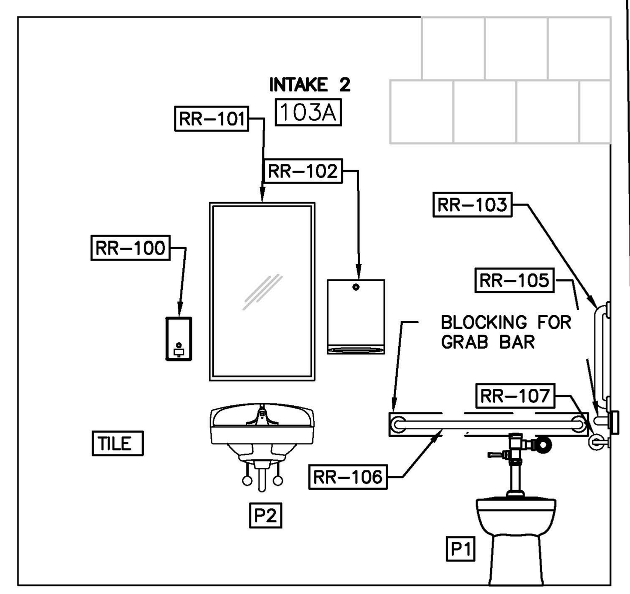
6 G13.4 RR ELEVATION INTAKE 1

0 1' 2' 4' SCALE: 1/2" = 1'-0"



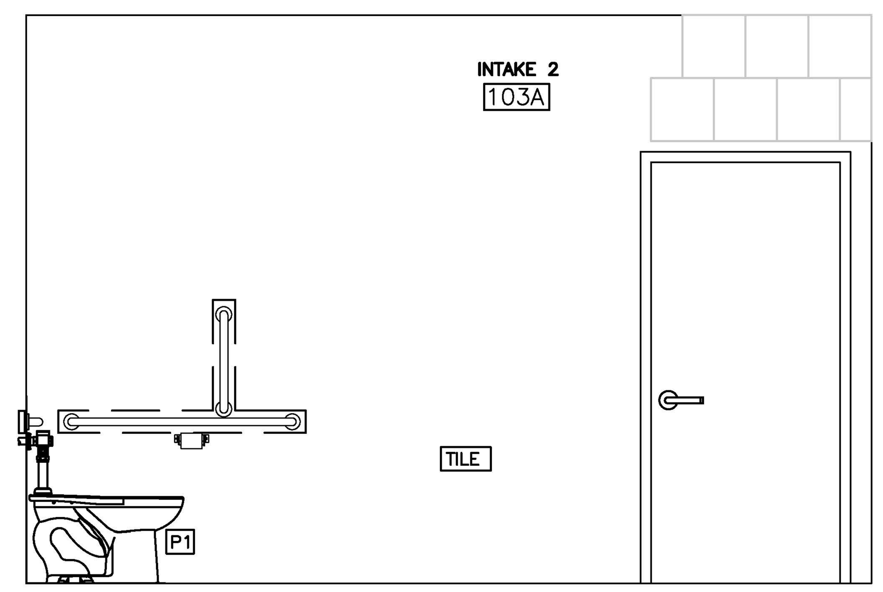
7 G13.4 RR ELEVATION INTAKE 1

0 1' 2' 4' SCALE: 1/2" = 1'-0"



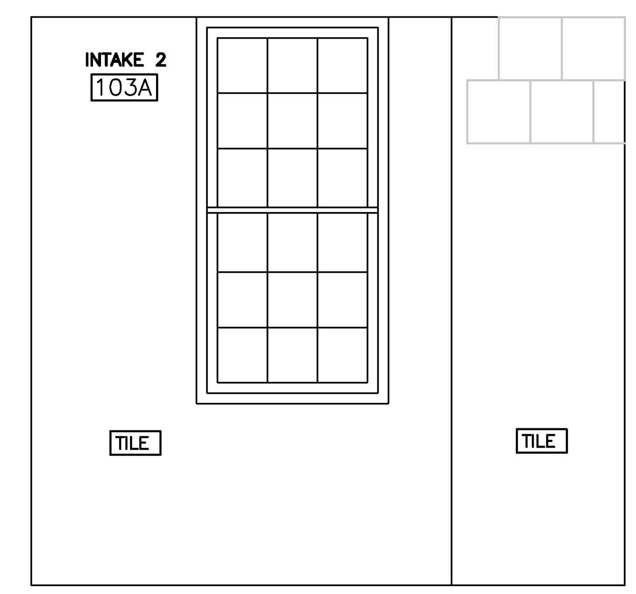
8 G13.4 RR ELEVATION INTAKE 2

0 1' 2' 4' SCALE: 1/2" = 1'-0"



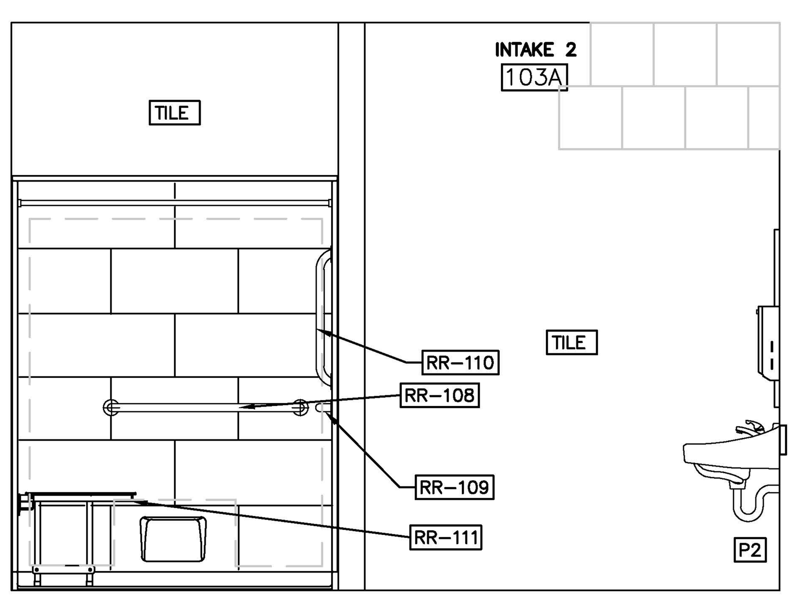
9 G13.4 RR ELEVATION INTAKE 2

0 1' 2' 4' SCALE: 1/2" = 1'-0"



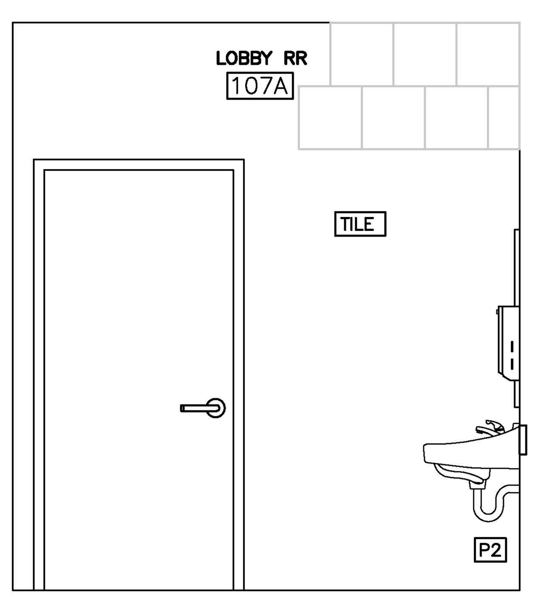
10 G13.4 RR ELEVATION INTAKE 2

0 1' 2' 4' SCALE: 1/2" = 1'-0"



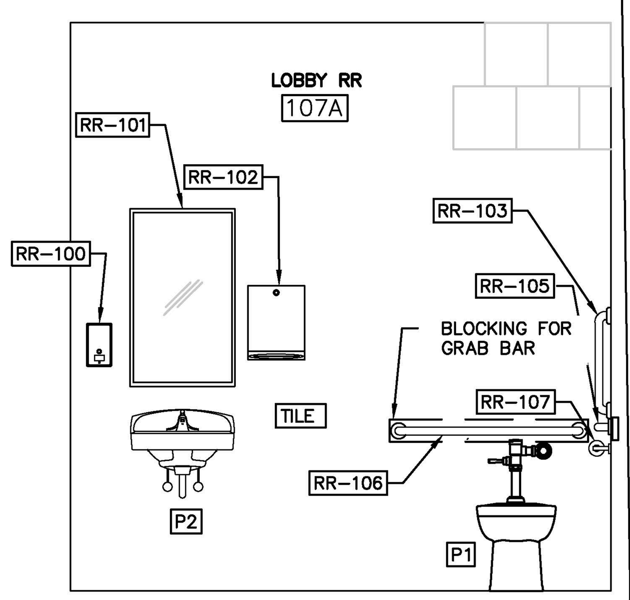
11 G13.4 RR ELEVATION INTAKE 2

0 1' 2' 4' SCALE: 1/2" = 1'-0"



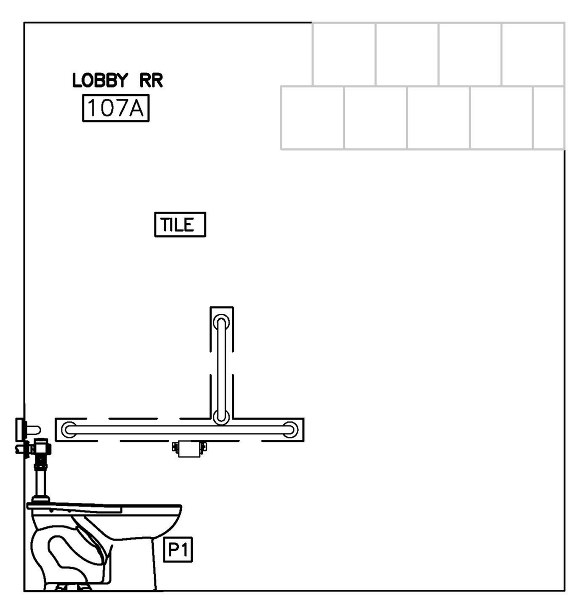
12 G13.4 RR ELEVATION M-F LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



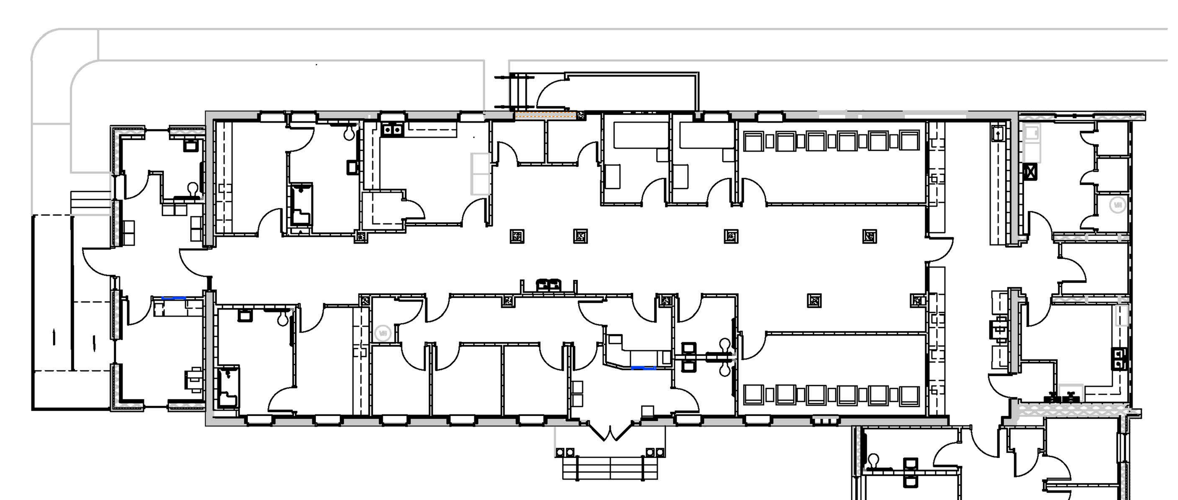
13 G13.4 RR ELEVATION M-F LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



14 G13.4 RR ELEVATION M-F LOBBY

0 1' 2' 4' SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN

SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907
NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY J. DODSON

23 JULY 2025

DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	23 JULY 2025

FINAL DRAWING [✓] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

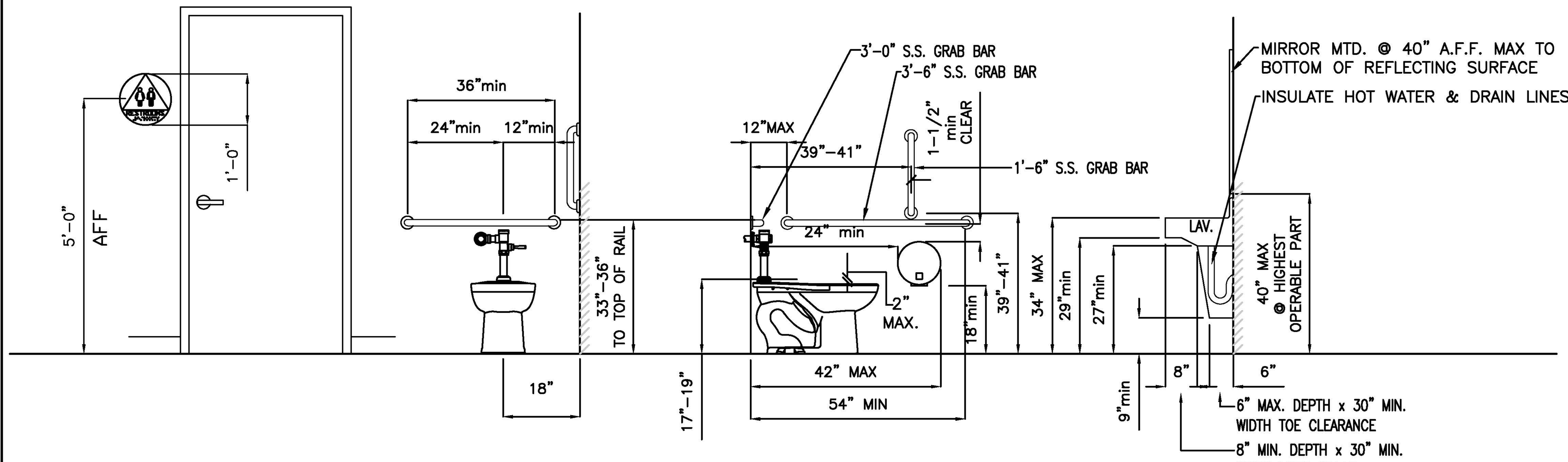
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ADA RESTROOM DETAILS

G13.4



MOUNTING HEIGHTS & REQUIRED CLEARANCES FOR ADA

SCALE: 1/2" = 1'-0"

ACCESSORY NOTES:

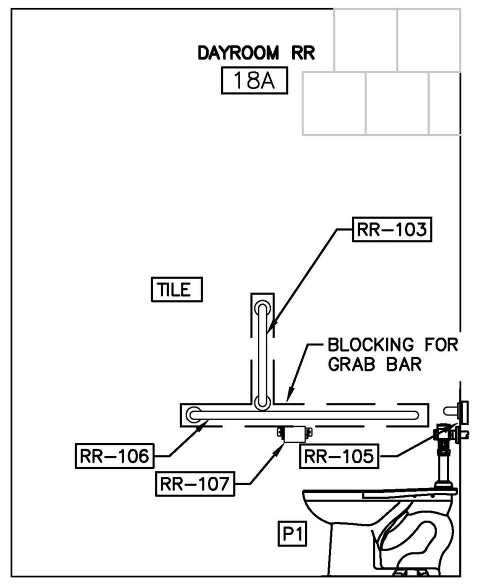
1. PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.
3. INSTALL AT LOCATIONS REQUIRED AND AS SHOWN ON DRAWINGS.
4. ALL TOILET ACCESSORIES TO BE SELECTED BY OWNER
5. ALL TOILET ACCESSORIES TO BE INSTALLED BY CONSTRACTOR
6. ALL LAVATORIES & SINKS SHALL HAVE PROTECTIVE COVERING ATTACHED TO THE SUPPLY & DRAIN LINES BELOW THE FIXTURES

ACCESSORY LEGEND

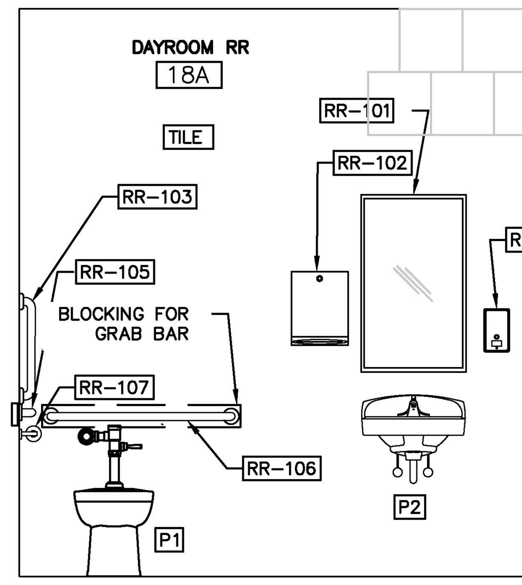
NO.	QUANTITY									ITEM DESCRIPTION	MODEL #	MANUFATURER
	RM 100	RM 110	RM 110A	RM 103	RM 103A	RM 117A	RM 107A	RM 130	RM 131			
RR-100	1	–	1	–	1	1	1	1	1	SOAP DISPENSER (WALL MOUNT)	B-2111	BOBRICK
RR-101	1	–	1	–	1	1	1	1	1	MIRROR, 18"X36"	B-165 1836	BOBRICK
RR-102	1	–	1	–	1	1	1	1	1	PAPER TOWEL DISPENSER	B-2620	BOBRICK
RR-103	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	B-5806 X 18	BOBRICK
RR-104	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	B-5806 X 36	BOBRICK
RR-105	1	–	1	–	1	1	1	1	1	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	B-5806 X 42	BOBRICK
RR-106	1	–	1	–	1	1	1	1	1	TOILET PAPER DISPENSER	B-273	BOBRICK
RR-107	1	1	–	1	–	1	1	1	1	RESTROOM SIGNAGE	RR-120-DCTS	COMPLIANCE SIGNS
RR-108	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 36" S.S.	APFGSS X 36	FREEDOM
RR-109	–	–	1	–	1	–	–	–	–	GRAB BAR 1-1/4" DIA X 22" S.S.	APFGSS X 22	FREEDOM
RR-110	–	–	1	–	1	–	–	–	–	VERTICAL GRAB BAR 1-1/4" DIA X 24" S.S.	APFGSS X 24	FREEDOM
RR-111	–	–	1	–	1	–	–	–	–	SHOWER SEAT 26"X22.5" LEFT HAND	APFSSL2-260225PW	FREEDOM

SEE SHEET P1 FOR PLUMBING FIXTURE SCHEDULE.
SEE SHEET G13.1, G13.2, G13.3 FOR FLOOR FRAMING.

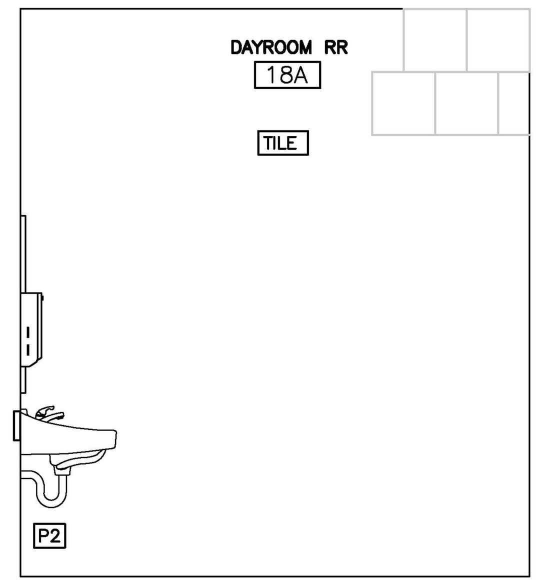
GYPSUM WALL BOARD SHALL BE MOISTURE RESISTANT IN RESTROOM



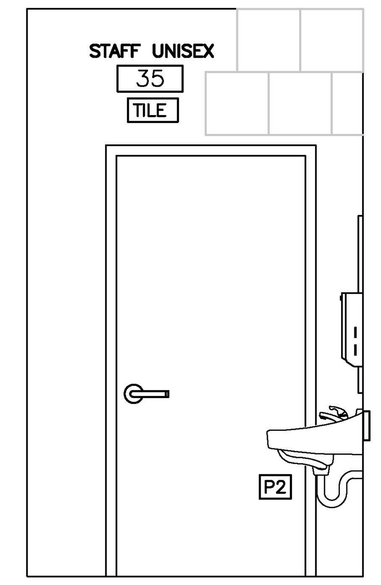
1 G13.5 RR ELEVATION
DAYROOM
SCALE: 1/2" = 1'-0"



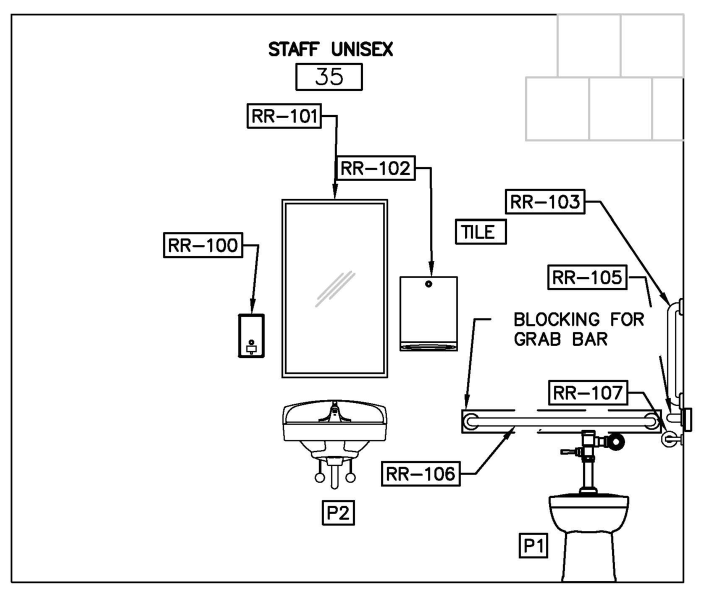
2 G13.5 RR ELEVATION
DAYROOM
SCALE: 1/2" = 1'-0"



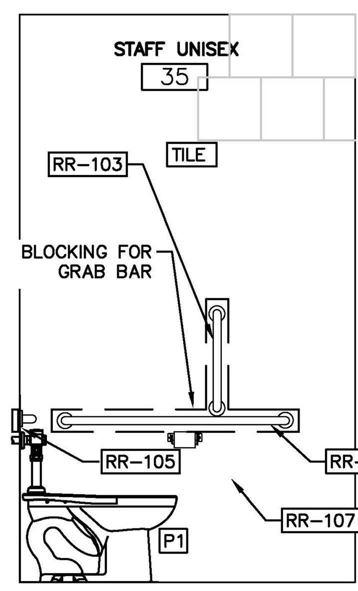
3 G13.5 RR ELEVATION
DAYROOM
SCALE: 1/2" = 1'-0"



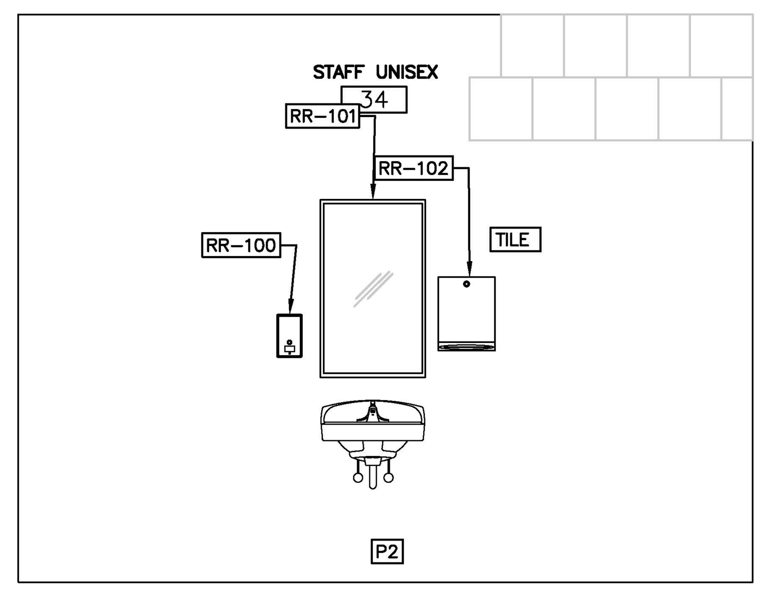
4 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



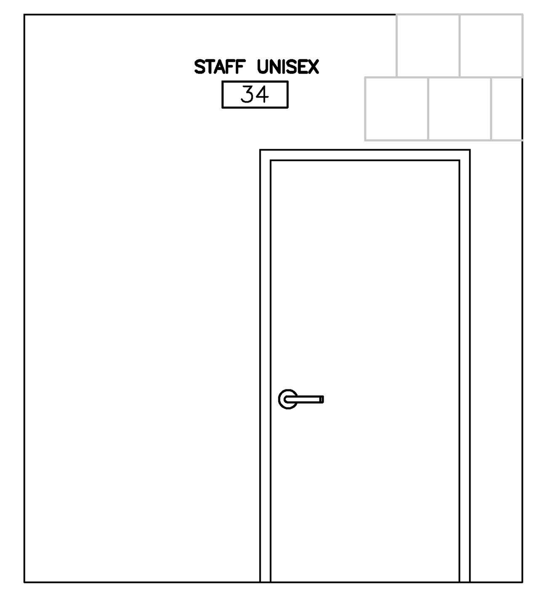
5 G13.5 RR ELEVATION
STAFF UNIXEX
SCALE: 1/2" = 1'-0"



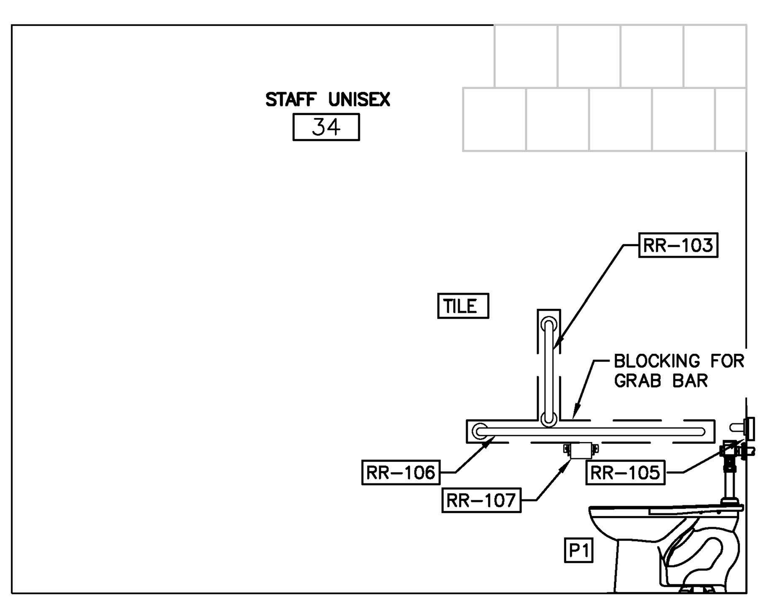
6 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



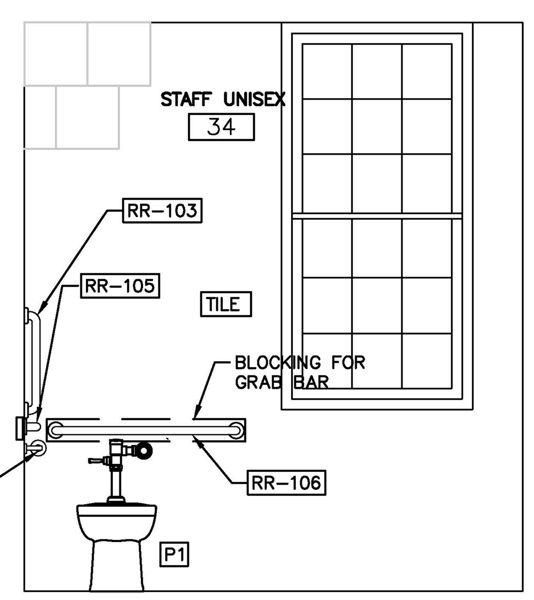
7 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



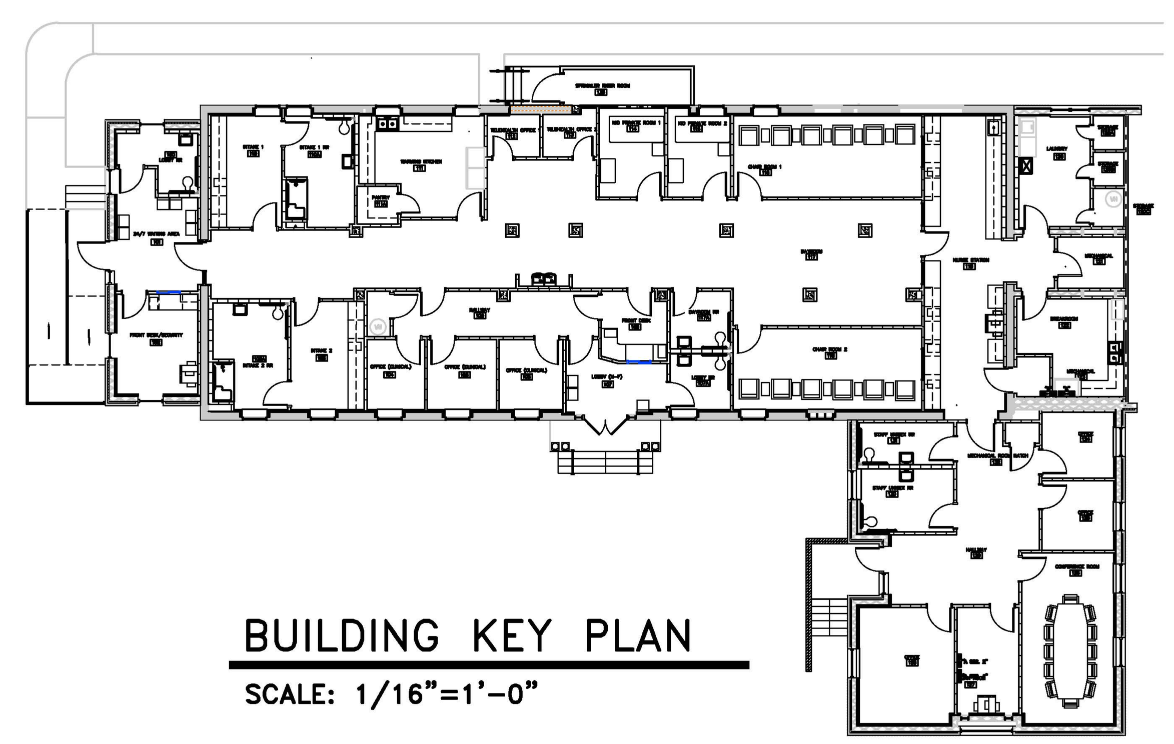
8 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



9 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



10 G13.5 RR ELEVATION
STAFF UNISEX
SCALE: 1/2" = 1'-0"



BUILDING KEY PLAN

SCALE: 1/16"=1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA.
OFFICE in EUREKA SPRINGS, NORTH CAROLINA

23 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 23 JULY 2025

FINAL DRAWING FOR REVIEW PURPOSES ONLY
PRELIMINARY [ ] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [ ] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

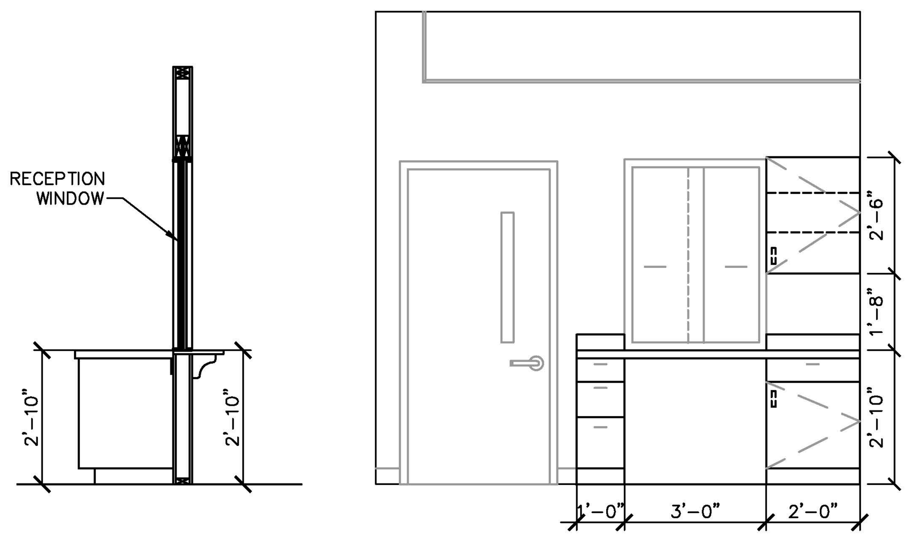
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

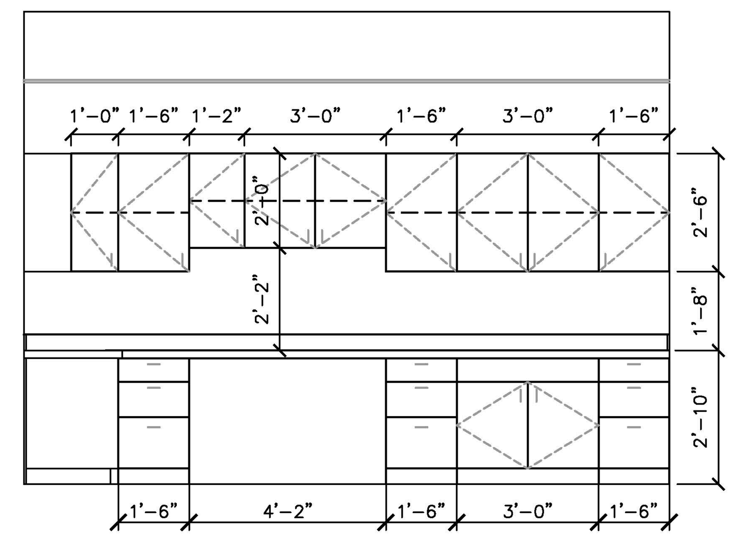
SHEET:
ADA RESTROOM DETAILS

G13.5



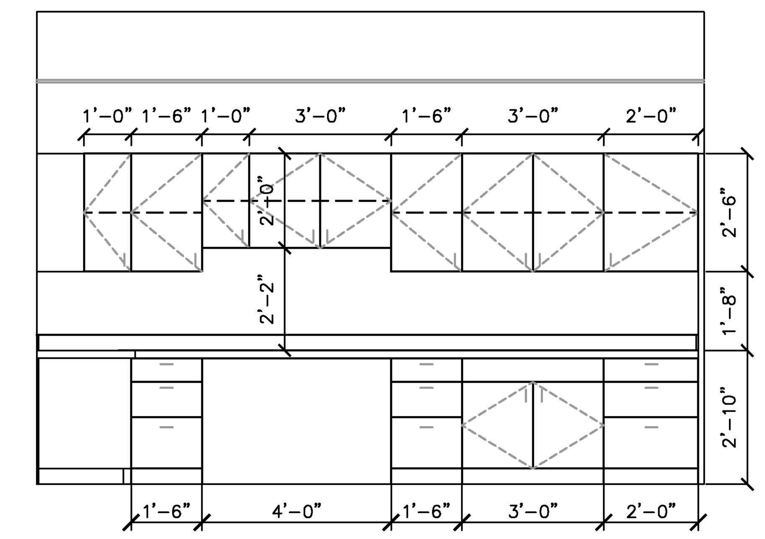
1 G14.1 24-7 FRONT/SECURITY

SCALE: 3/8" = 1'-0"



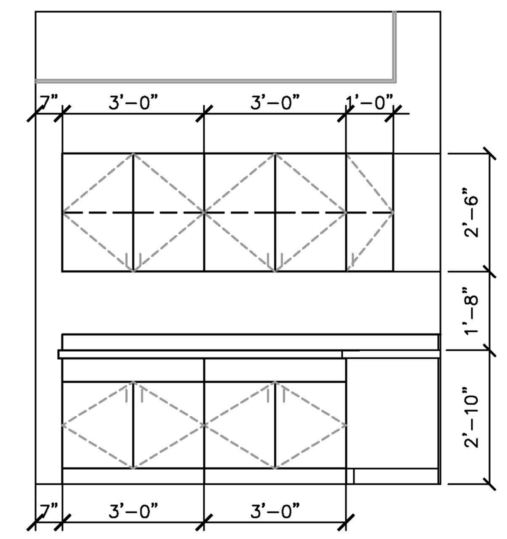
2 G14.1 INTAKE ROOM 2

SCALE: 3/8" = 1'-0"



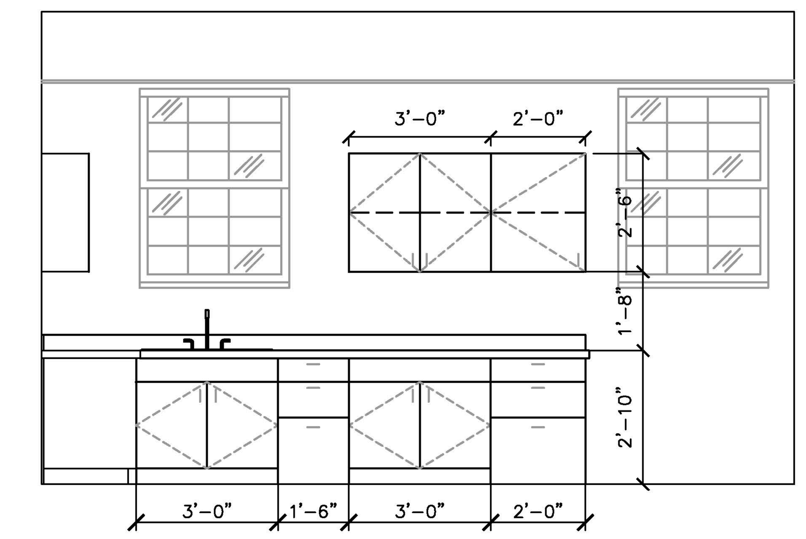
3 G14.1 INTAKE ROOM 1

SCALE: 3/8" = 1'-0"



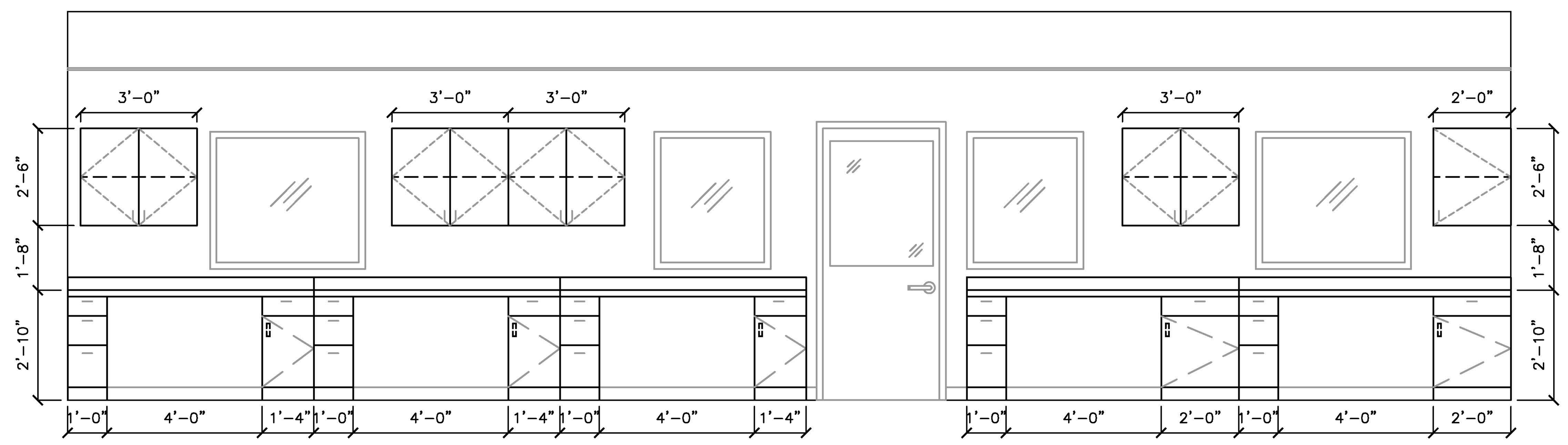
4 G14.1 WARMING KITCHEN

SCALE: 3/8" = 1'-0"



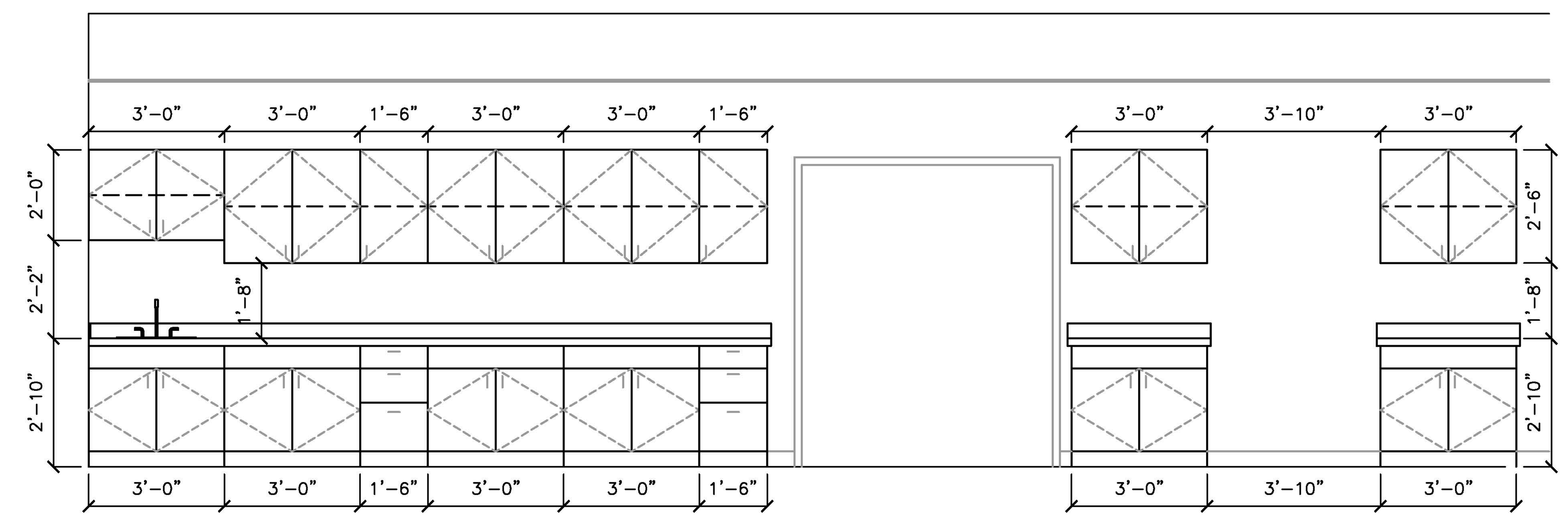
5 G14.1 WARMING KITCHEN

SCALE: 3/8" = 1'-0"



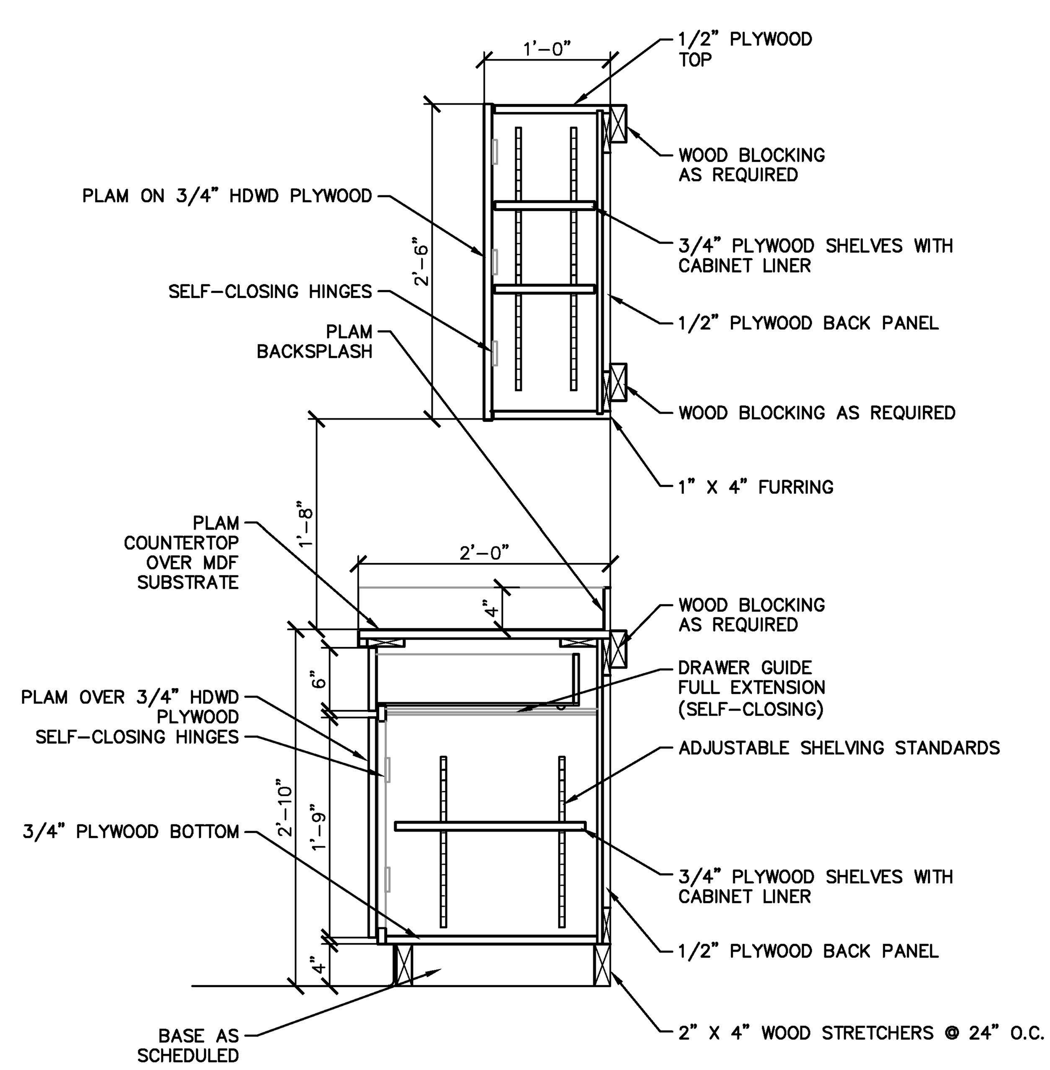
6 G14.1 NURSE STATION

SCALE: 3/8" = 1'-0"



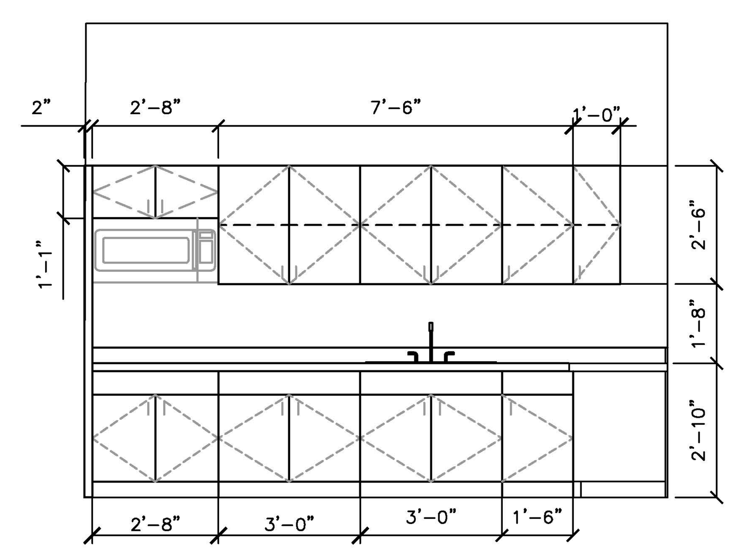
7 G14.1 NURSE STATION

SCALE: 3/8" = 1'-0"



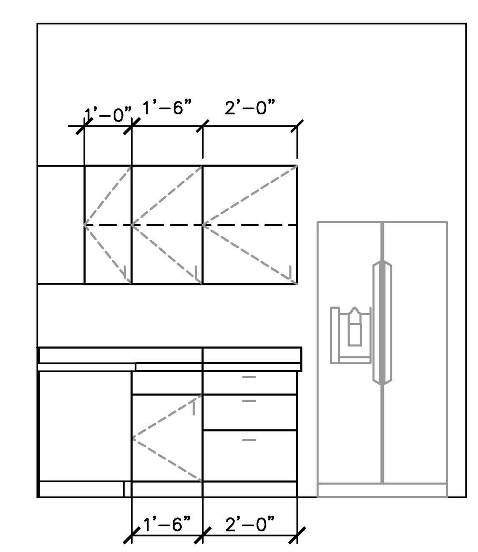
12 G14.1 TYPICAL CASEWORK SECTION

SCALE: 1" = 1'-0"



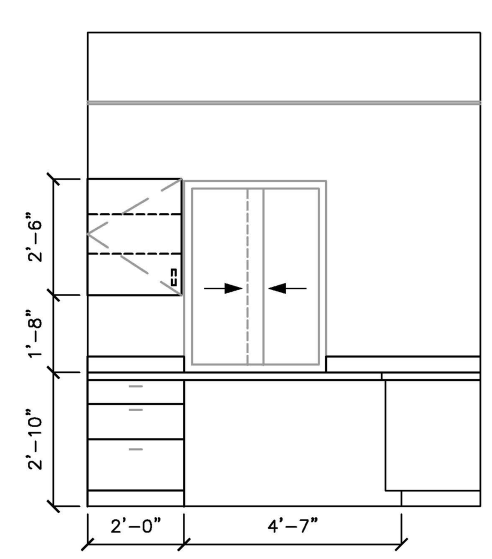
8 G14.1 BREAKROOM

SCALE: 3/8" = 1'-0"



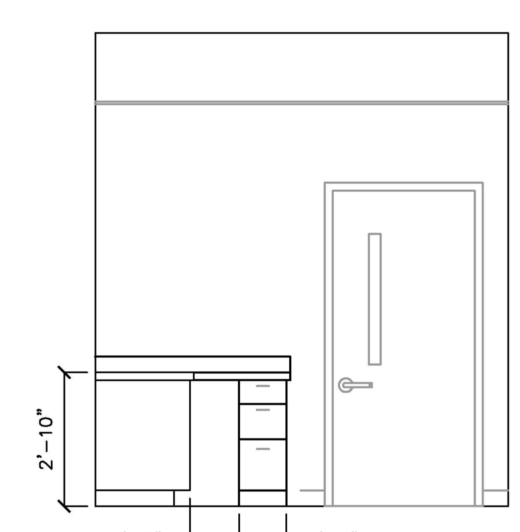
9 G14.1 BREAKROOM

SCALE: 3/8" = 1'-0"



10 G14.1 FRONT DESK

SCALE: 3/8" = 1'-0"



11 G14.1 FRONT DESK

SCALE: 3/8" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL CORPORATION SEAL C-3070 JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 42009 KELLY J. DODSON
25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

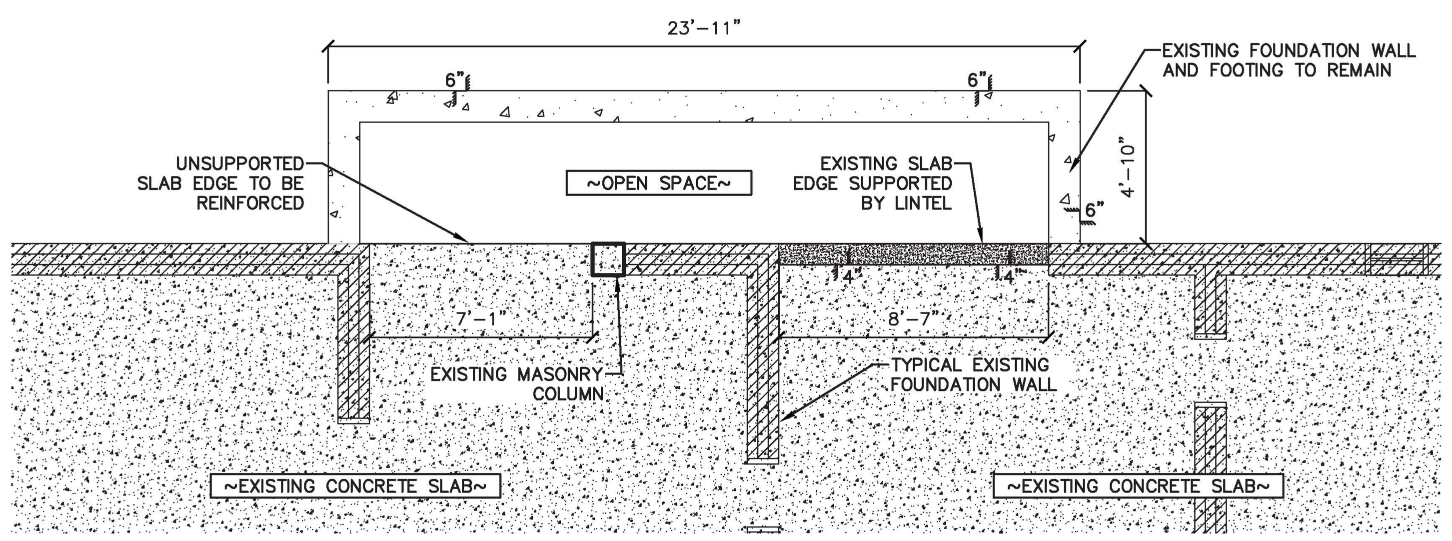
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

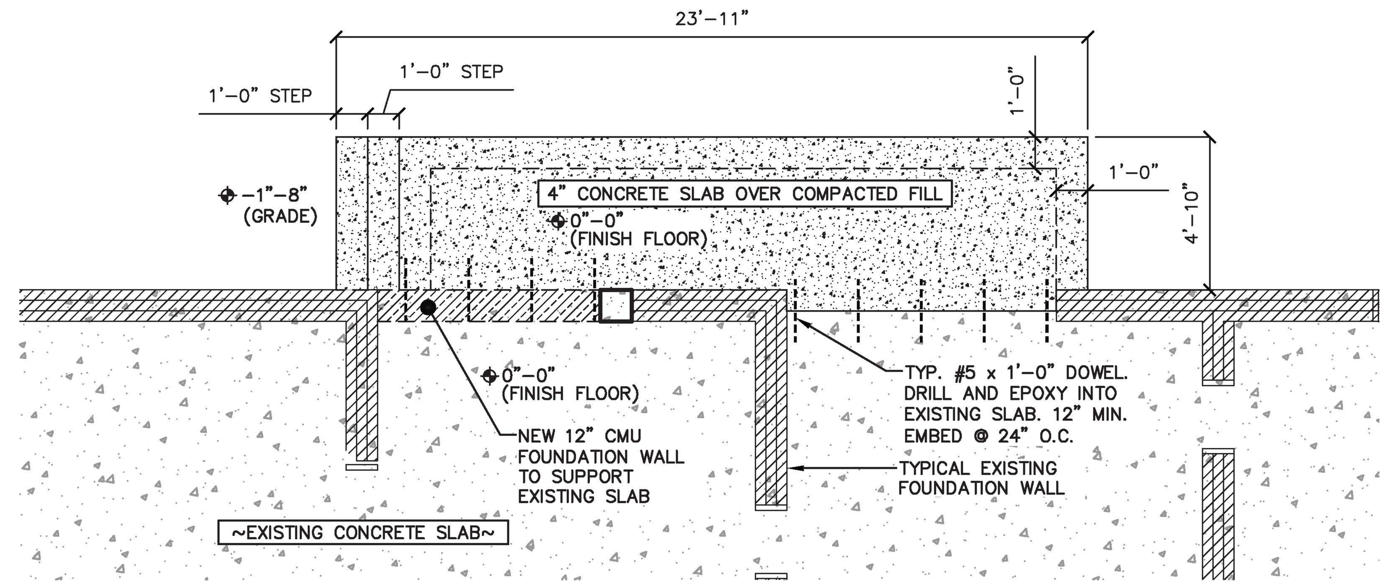
PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
CABINETRY ELEVATION & DETAILS

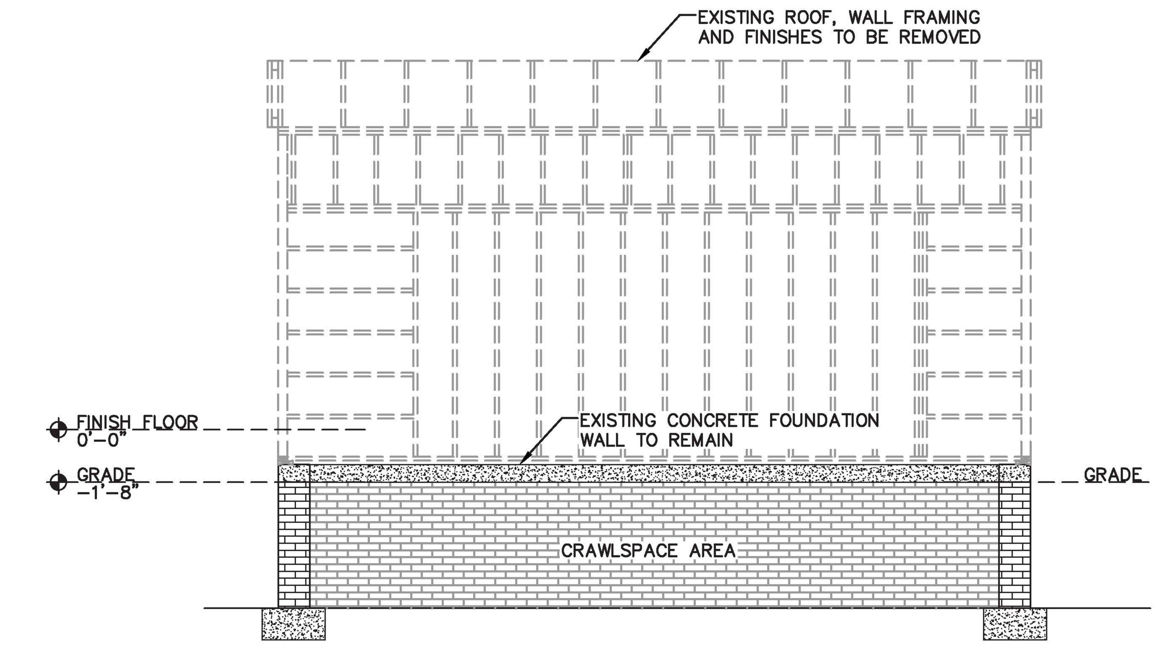
G14.1



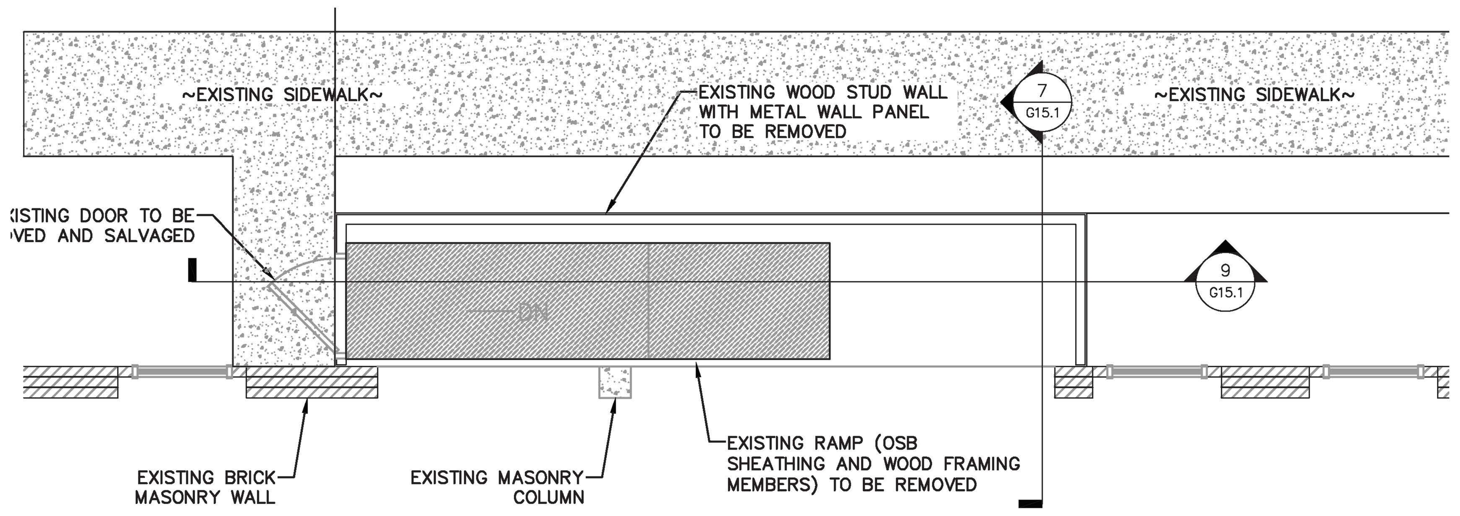
1 / G15.1 EXISTING FOUNDATION PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



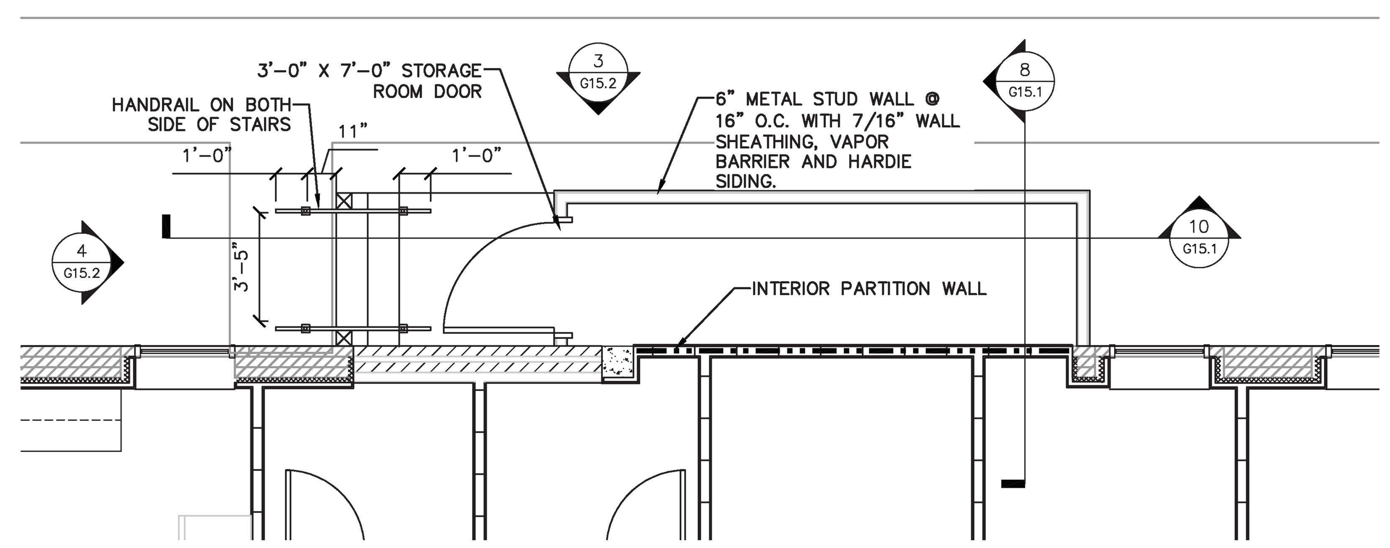
4 / G15.1 NEW FOUNDATION PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



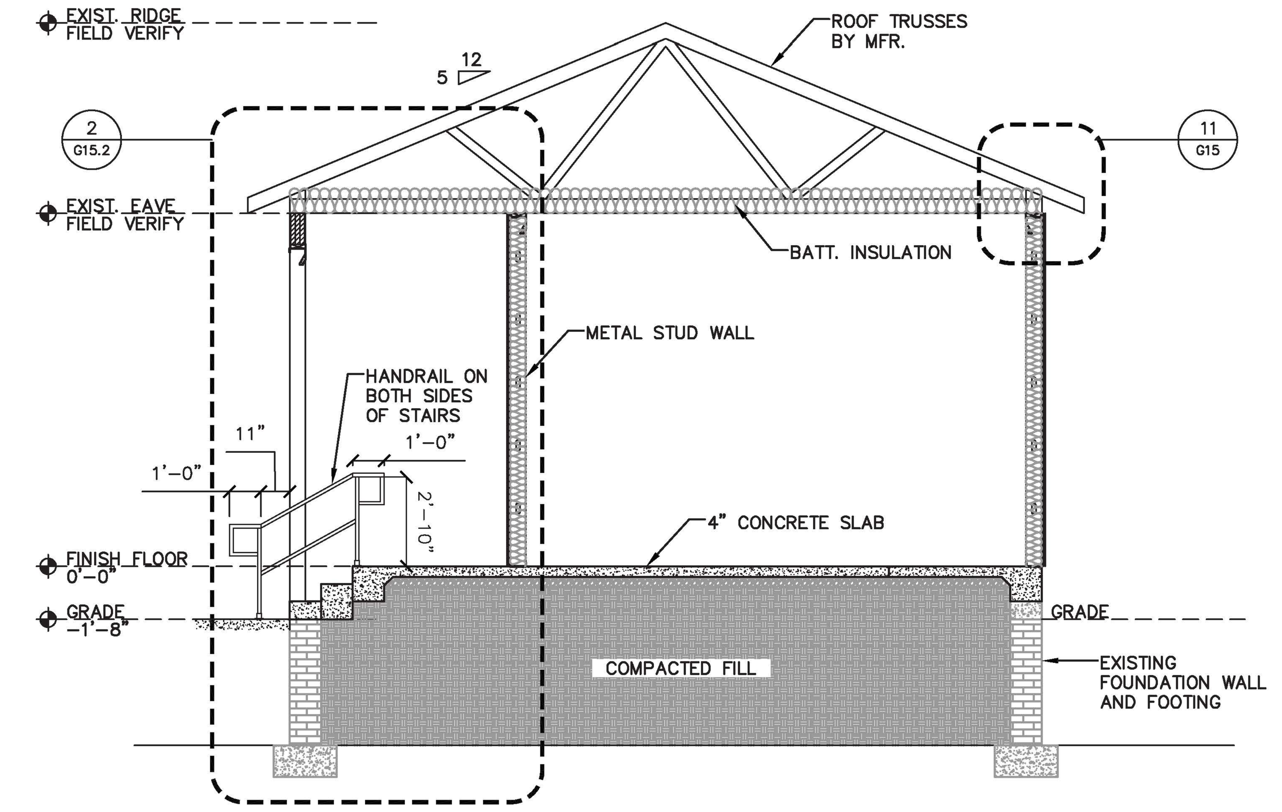
9 / G15.1 EXISTING LONGITUDINAL SECTION
STORAGE ROOM
SCALE: 1/4" = 1'–0"



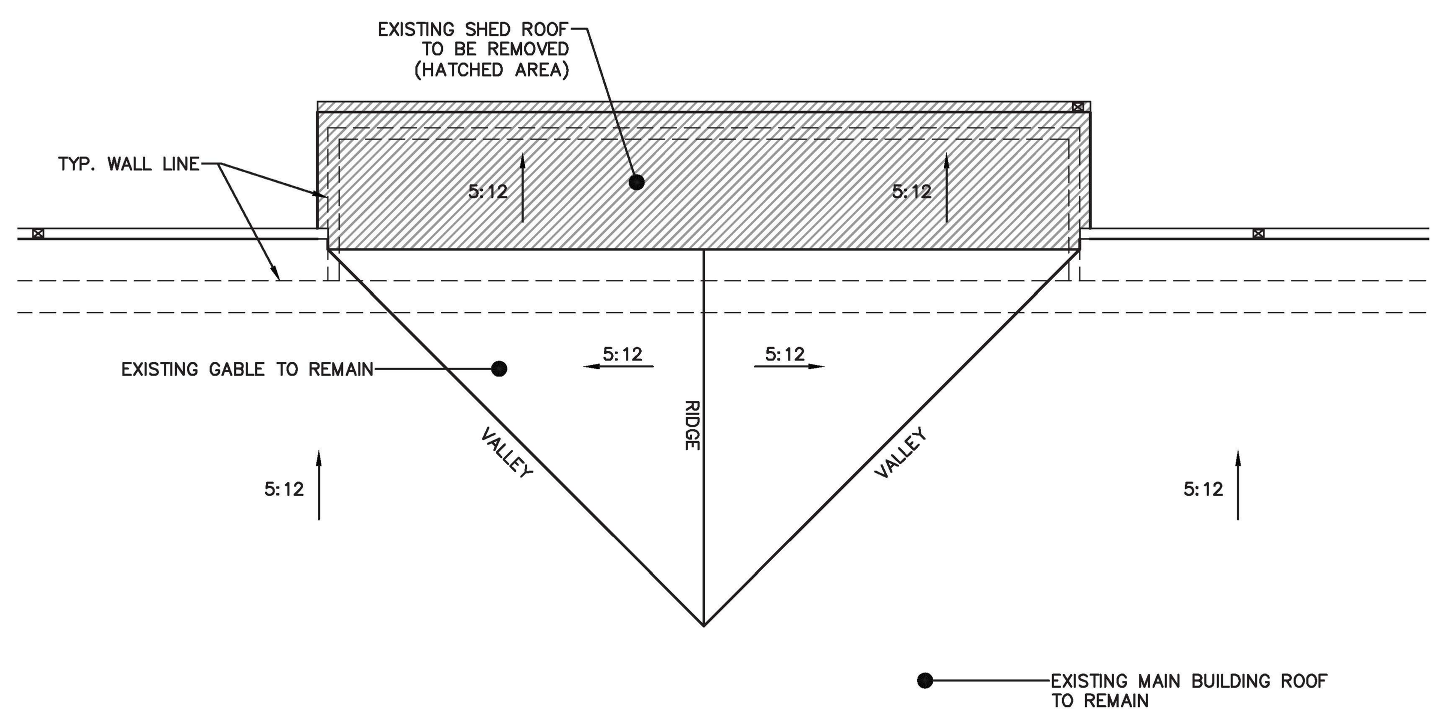
2 / G15.1 EXISTING FLOOR PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



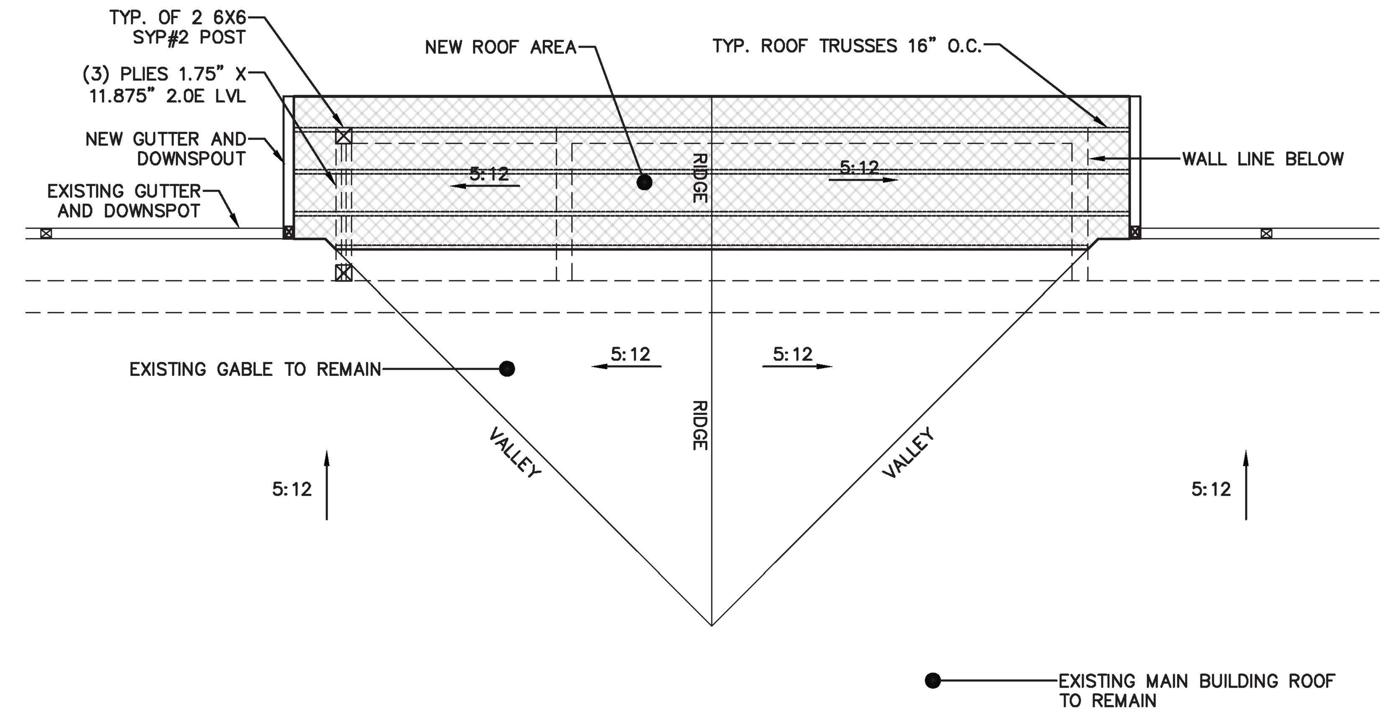
5 / G15.1 NEW FLOOR PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



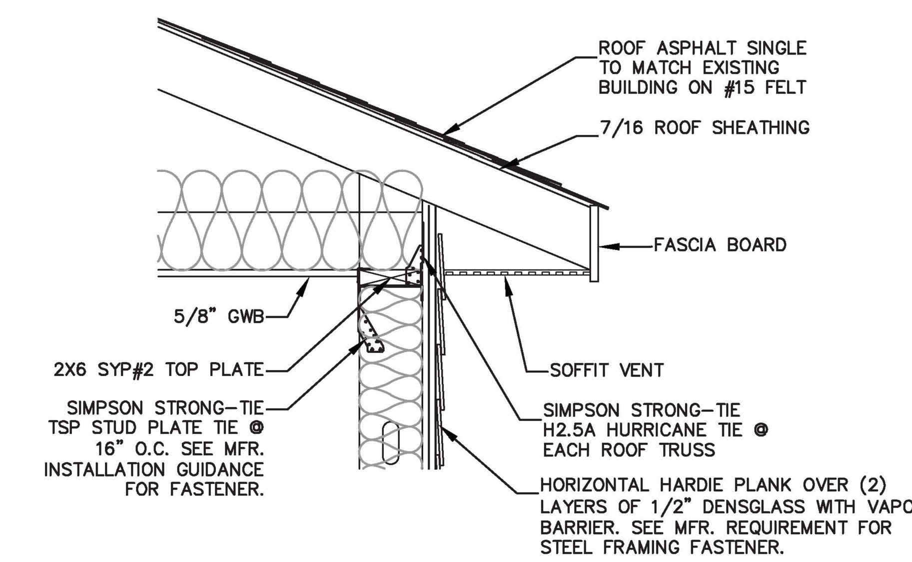
10 / G15.1 NEW LONGITUDINAL SECTION
STORAGE ROOM
SCALE: 1/4" = 1'–0"



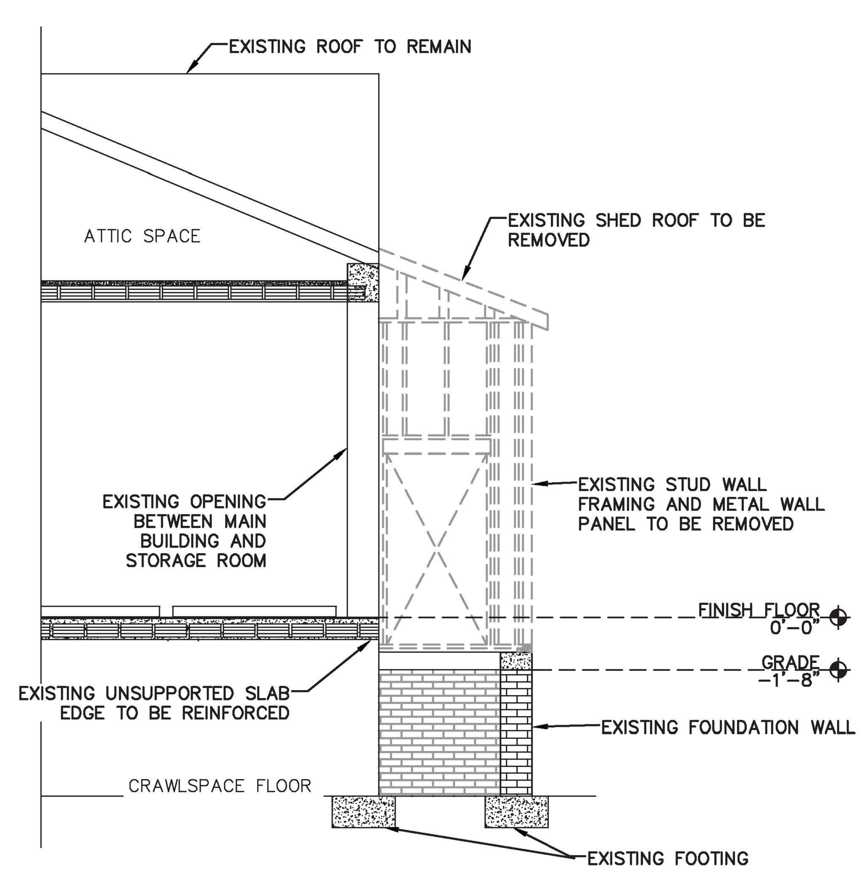
3 / G15.1 EXISTING ROOF PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



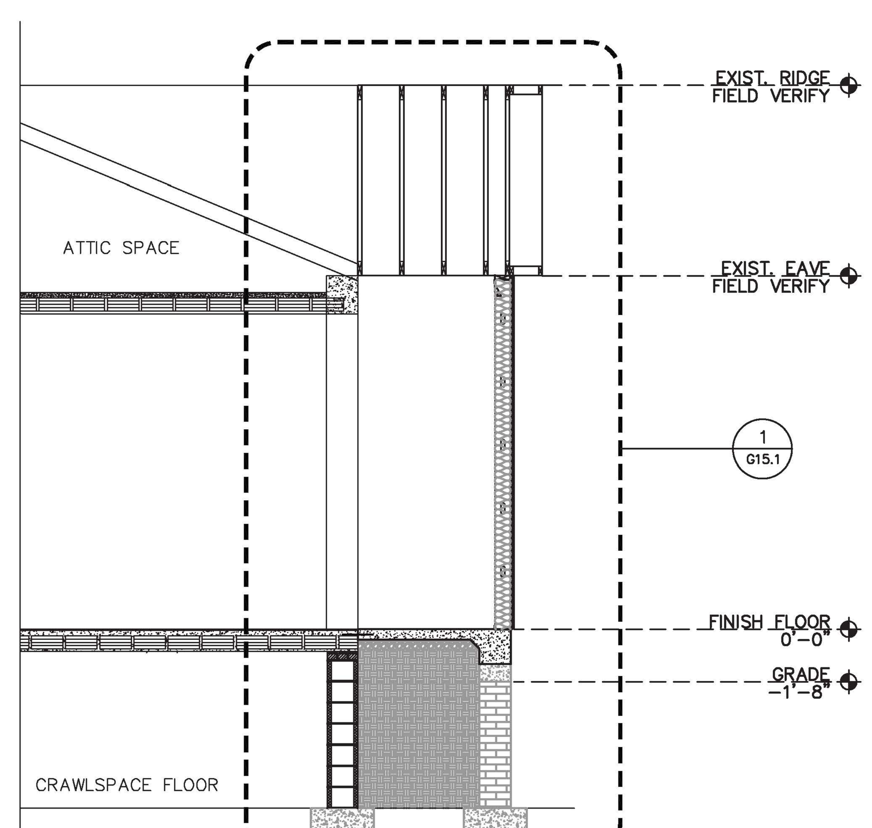
6 / G15.1 NEW ROOF PLAN
STORAGE ROOM
SCALE: 1/4" = 1'–0"



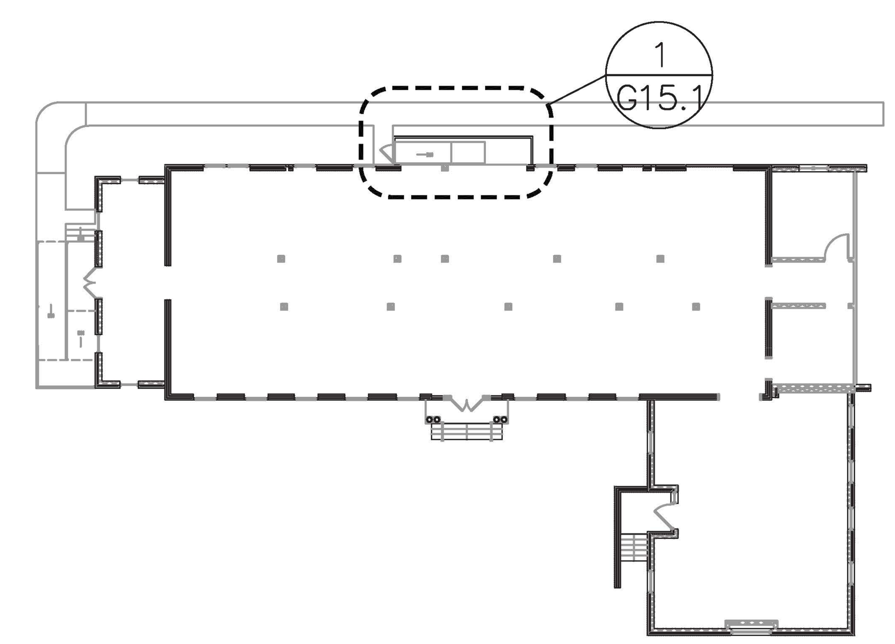
11 / G15.1 TYP. ROOF OVERHANG DETAIL
N.T.S.



7 / G15.1 EXISTING CROSS SECTION
STORAGE ROOM
SCALE: 1/4" = 1'–0"



8 / G15.1 NEW CROSS SECTION
STORAGE ROOM
SCALE: 1/4" = 1'–0"



BUILDING KEY PLAN
N.T.S.
THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025–01–16
DATE: 25 JULY 2025

25 JULY 2025

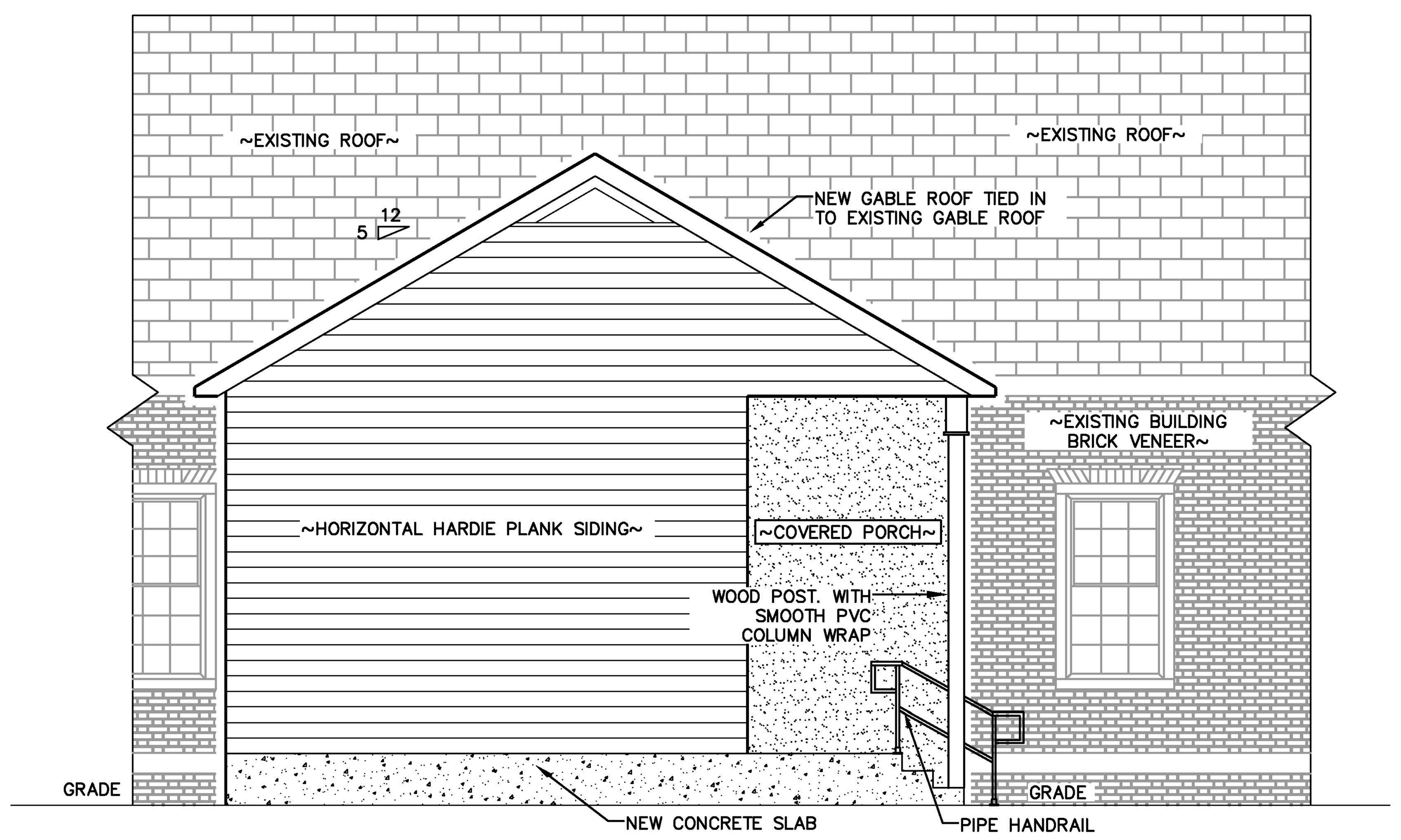
FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
CONTRACTOR: STE GENERAL CONTRACTORS LLC.

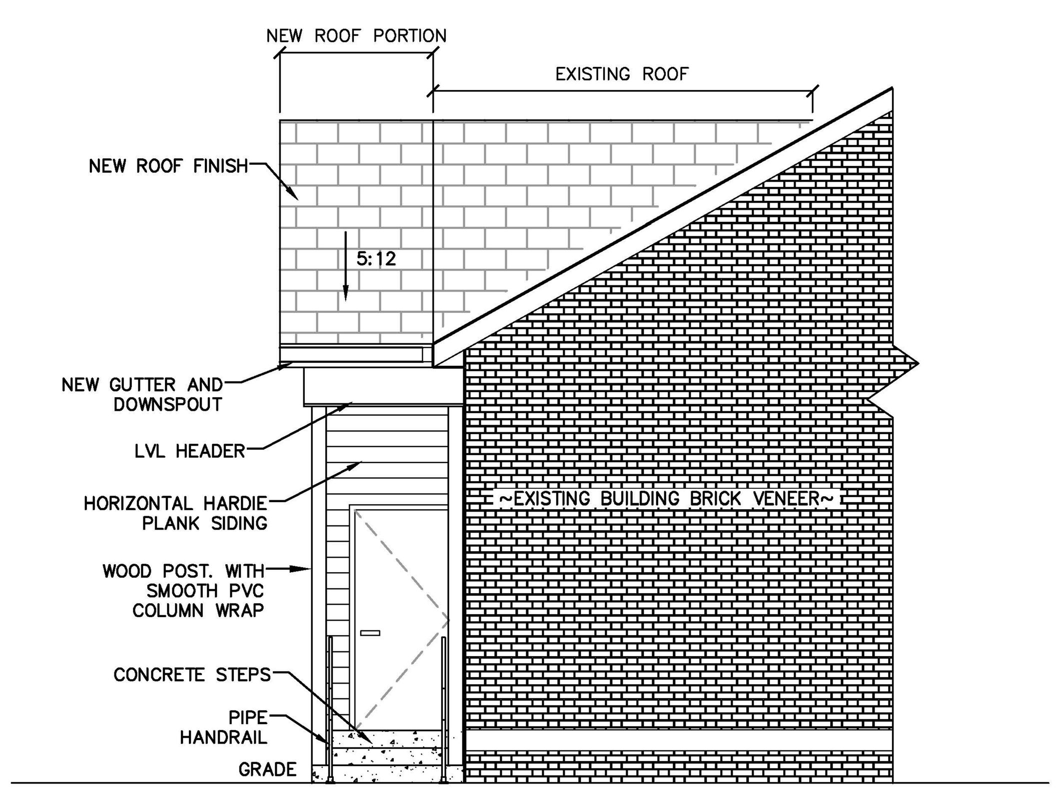
PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: EXISTING/NEW FLOOR PLAN & SECTIONS (STORAGE ROOM)

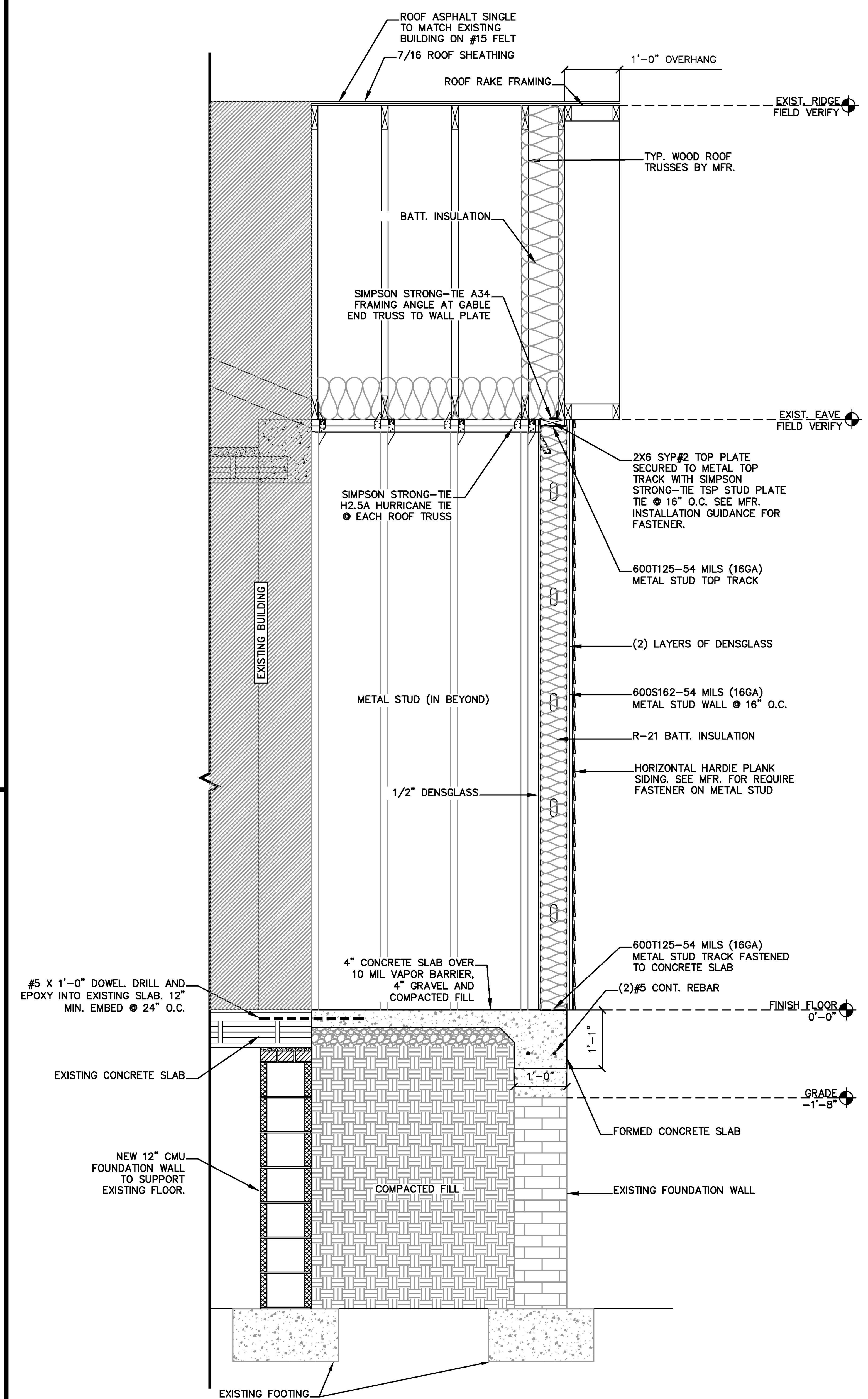
G15.1



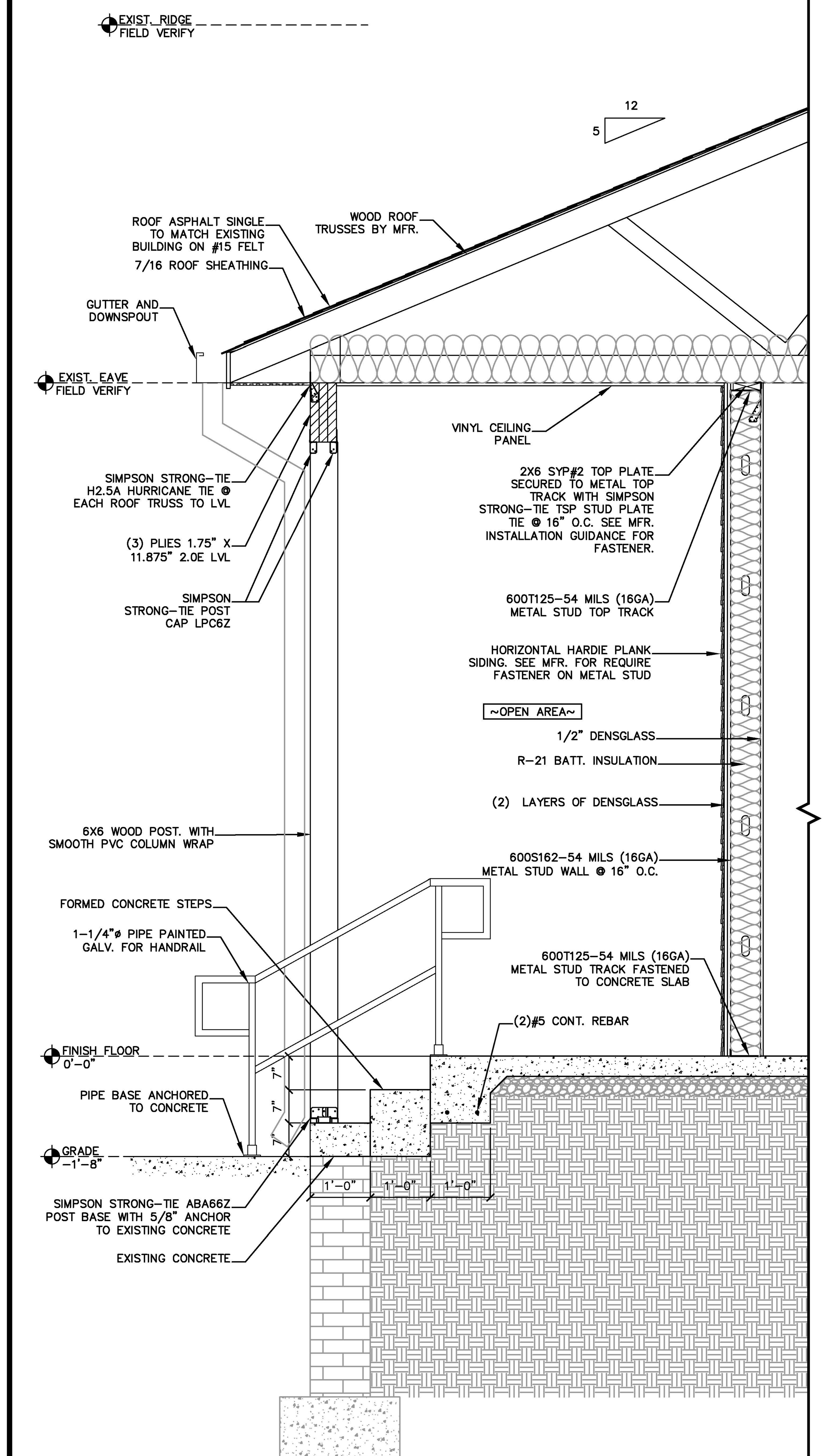
3 G15.2 STORAGE ROOM FRONT ELEVATION
STORAGE ROOM
0 2' 4' 8'
SCALE: 1/4" = 1'-0"



4 G15.2 STORAGE ROOM SIDE ELEVATION
STORAGE ROOM
0 2' 4' 8'
SCALE: 1/4" = 1'-0"



1 G15.2 WALL SECTION
STORAGE ROOM
0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"



2 G15.2 WALL SECTION
STORAGE ROOM
0 8" 1'-4" 2'-8"
SCALE: 3/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3070
SEAL 42009
25 JULY 2025

DESIGNED/CHECKED BY: KJD
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

SYMBOL	DESCRIPTION	DATE	BY

PROJECT: ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: STORAGE ROOM WALL SECTIONS

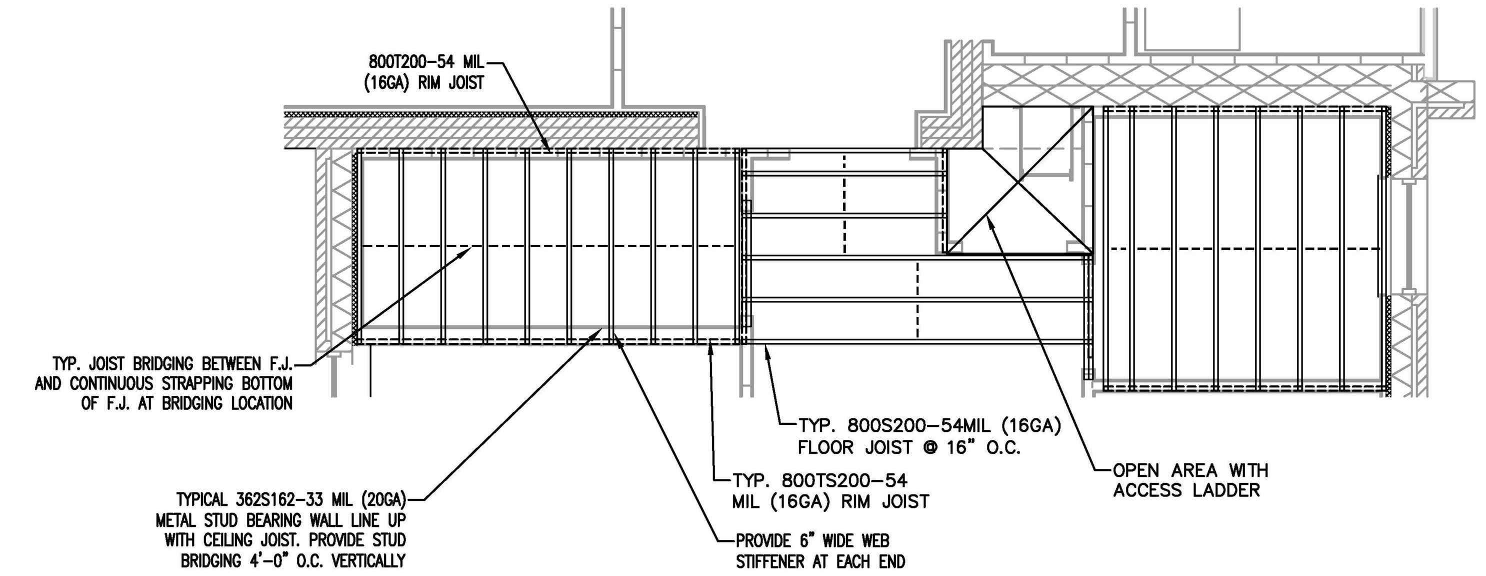
G15.2

MISC. LIGHT-GAUGE FLOOR FRAMING:
1. SPANS BASED ON CONTINUOUS LATERAL SUPPORT OF THE COMPRESSION FLANGE.
2. WEB PUNCHOUTS WERE NOT CONSIDERED FOR SHEAR OR WEB CRIPPLING. SHEAR AND WEB CRIPPING REDUCTION FACTORS MAY BE REQUIRED FOR WEB PUNCHOUT, PER ICC-ES ACCEPTANCE CRITERIA AC46, APPENDIX B.
3. WEB CRIPPING CAPACITY IS BASE ON A 3.5 INCH BEARING LENGTH AT END AND INTERIOR SUPPORTS.
4. FOR TWO EQUAL SPANS, THE SPAN IS THE DISTANCE FROM EITHER END SUPPORT TO THE CENTER SUPPORT.
5. JOIST MUST BE BRACED AGAINST ROTATION AT ALL SUPPORTS BY TRACK, WEB STIFFENER, OR BLOCKING.

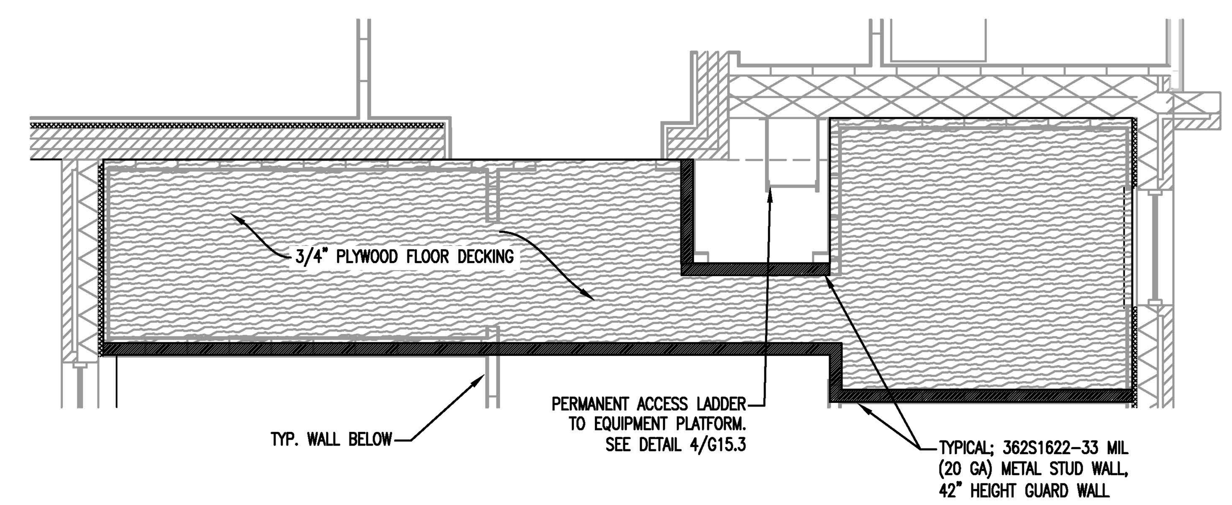
LIGHT-GAUFE FLOOR JOIST BRIDGING AND BRACING REQUIREMENTS:

SPAN (FT)	MINIMUM NUMBER OF ROWS
UP TO 16 FT	1 ROW AT MID-SPAN
16 FT TO 24 FT	2 ROWS AT 1/3 POINTS
24 FT TO 32 FT	3 ROWS AT 1/4 POINTS

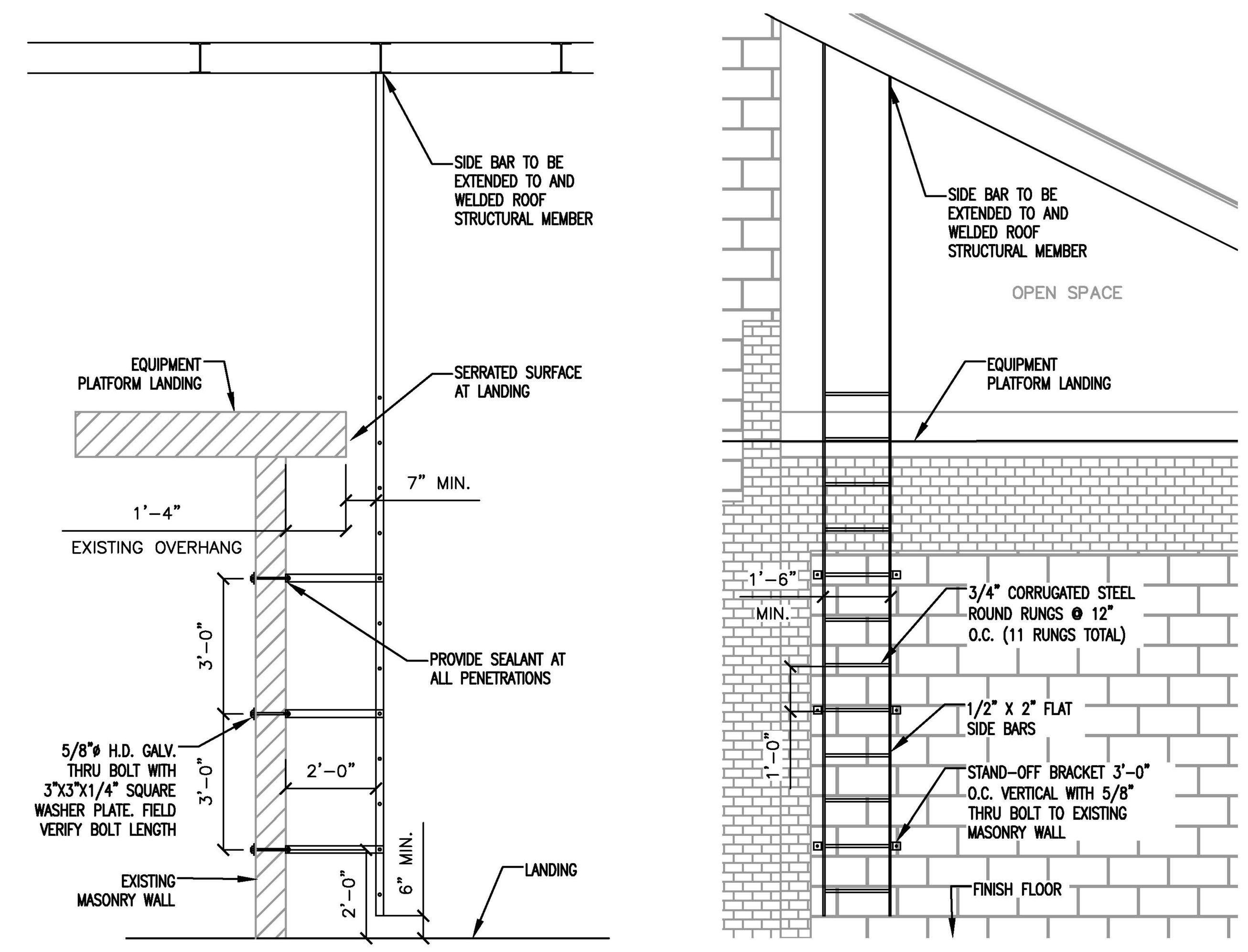
DESIGN LOADS:
LIVE LOAD: 100psf
DEAD LOAD: 10psf



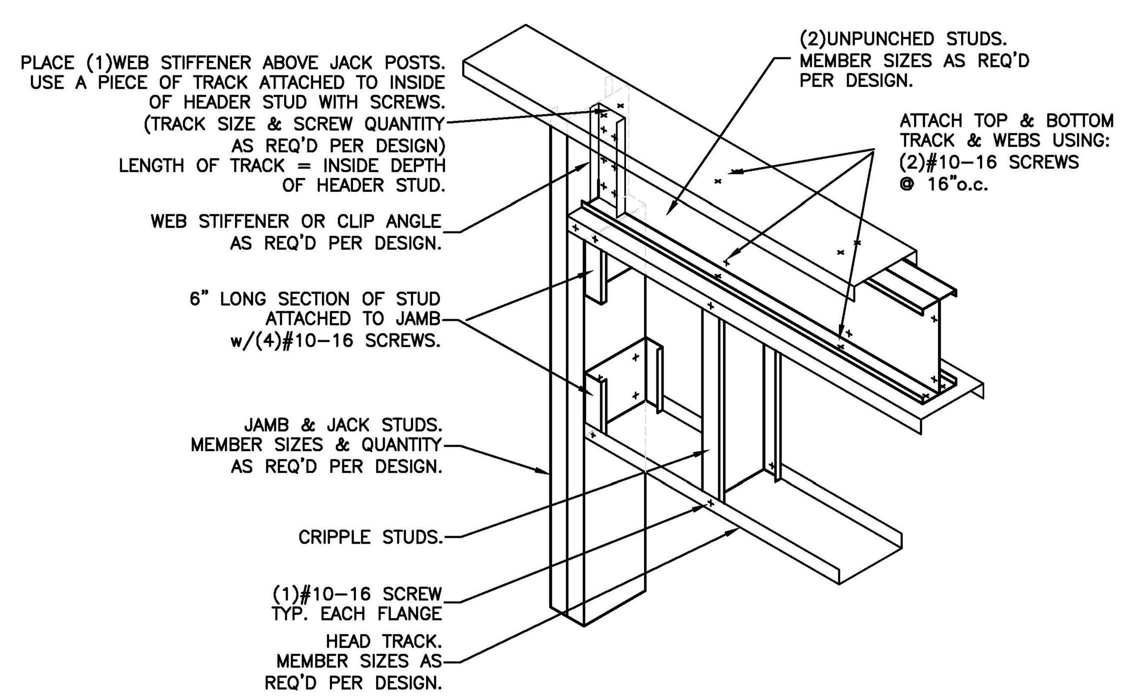
1 G15.3 FRAMING PLAN
EQUIPMENT PLATFORM
SCALE: 1/4" = 1'-0"

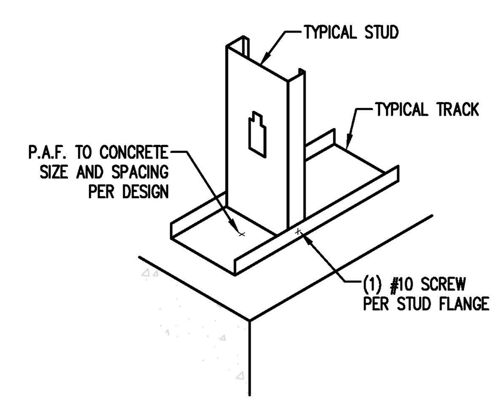


2 G15.3 EQUIPMENT PLATFORM PLAN
SCALE: 1/4" = 1'-0"

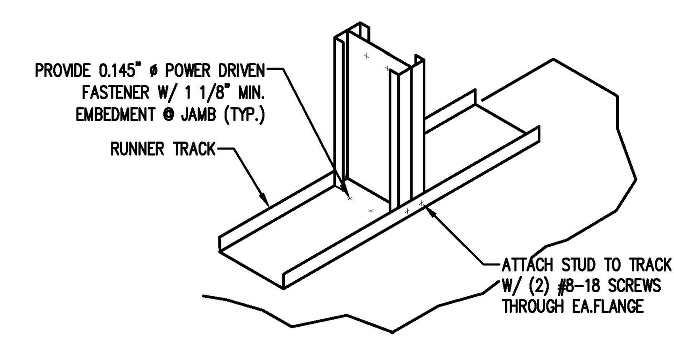


4 G15.3 EQUIPMENT PLATFORM ACCESS LADDER
SCALE: 3/8" = 1'-0"

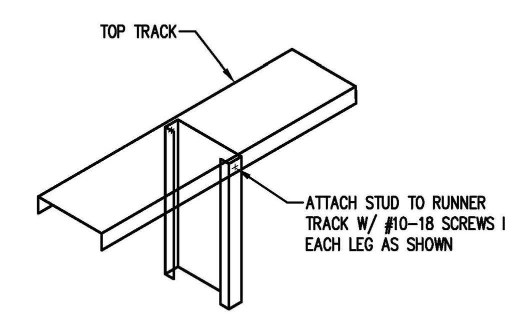




STUD BASE DETAIL



ANCHORAGE AT JAMB



TOP TRACK CONNECTION

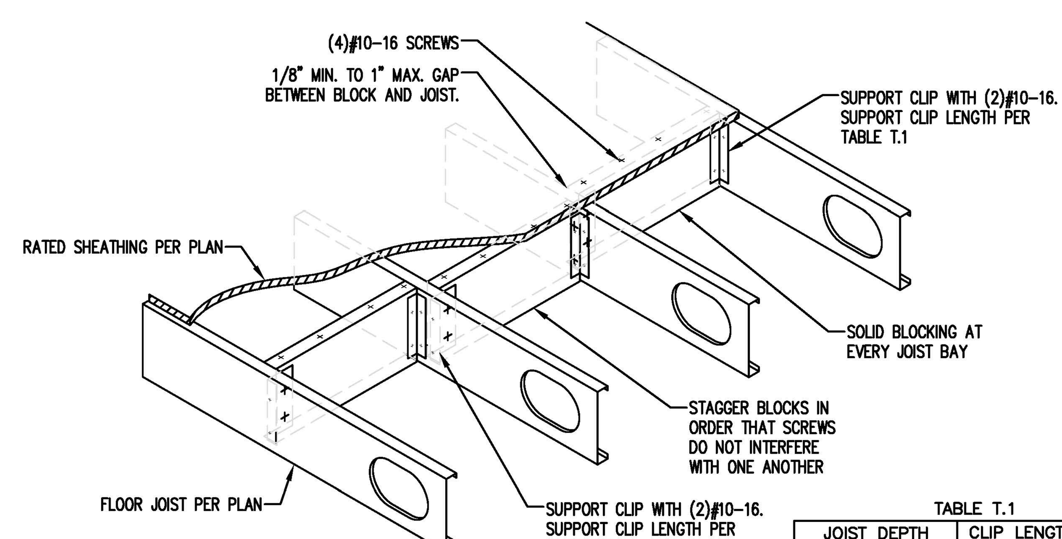
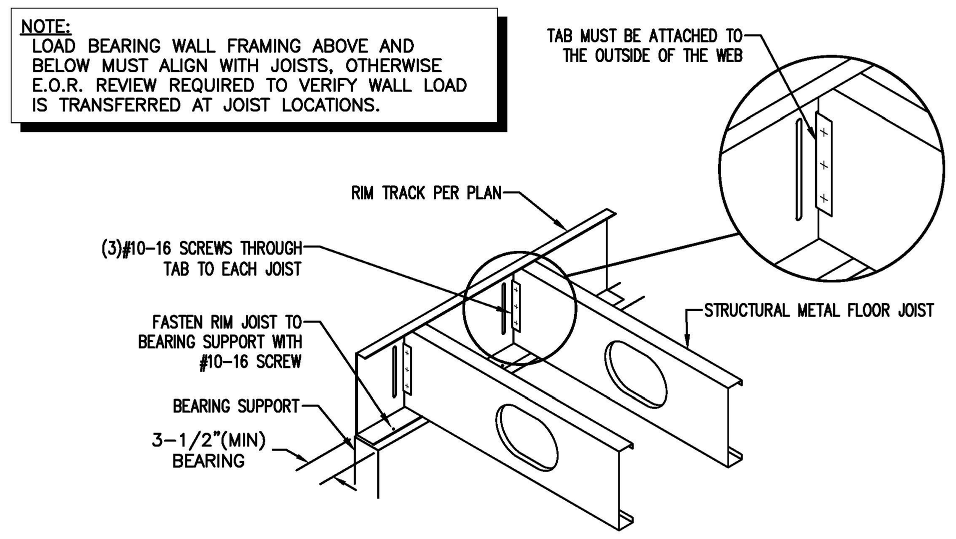


TABLE T.1

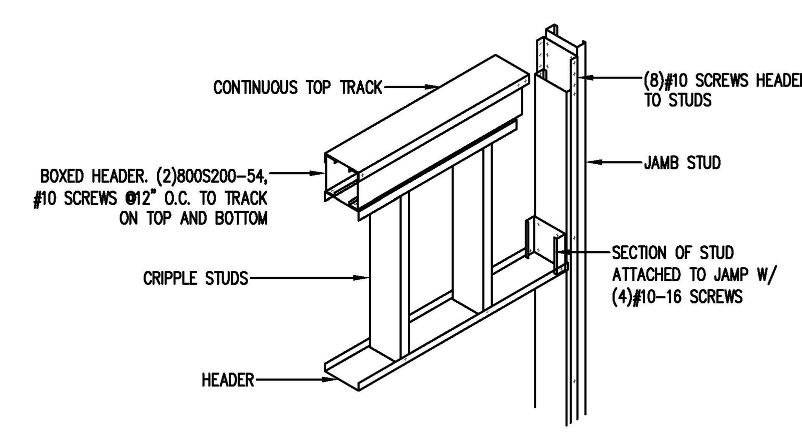
JOIST DEPTH	CLIP LENGTH (X)
7-1/4" - 8"	5"
9-1/4" - 10"	7"
11-1/4" - 14"	9"

JOIST BRIDGING – SOLID BLOCKING

NOTE:
LOAD BEARING WALL FRAMING ABOVE AND BELOW MUST ALIGN WITH JOISTS, OTHERWISE E.O.R. REVIEW REQUIRED TO VERIFY WALL LOAD IS TRANSFERRED AT JOIST LOCATIONS.



RIM TRACK DETAIL



LOAD BEARING JAMB AND HEADER DETAIL

3 G15.3 TYPICAL COLD-FORMED METAL STUD DETAILS
N.T.S.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
NORTH CAROLINA CORPORATION NUMBER C-3070

SEAL 42009 ENGINEER KELLY J. DODSON
25 JULY 2025

DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
EQUIPMENT PLATFORM PLAN & DETAILS

G15.3

SPLIT-SYSTEM HEAT PUMP UNIT SCHEDULE

GENERAL INFORMATION						COMPRESSOR			OUTDOOR FAN				REFRIGERANT			ELECTRICAL				
TAG	MANUFACTURER & MODEL #	TONS	LOCATION	DIMENSIONS (IN.) H x W x D	WEIGHT (NET LBS.)	COUNT	TYPE	R.L.A. – L.R.A	COUNT	MOTOR HP	MOTOR R.P.M.	MOTOR F.L.A.	TYPE	GAS LINE (IN.)	LIQUID LINE (IN.)	VOLTS	PHASE	M.C.A.	M.O.C.P.	FEEDER (CU. 75 C)
HP-1	TRANE – 5TWA4048A3000A	4	EXT. PAD	45-1/8 x 37-1/4 x 34-1/4	251	1	SCROLL	12.2 – 120.4	1	1/3	850	2.8	R-454B	7/8	5/16	208	3	18.1	30	(3)#10 & (1)#10 GND IN 3/4" COND.
HP-2	TRANE – 5TWA4048A3000A	4	EXT. PAD	45-1/8 x 37-1/4 x 34-1/4	251	1	SCROLL	12.2 – 120.4	1	1/3	850	2.8	R-454B	7/8	5/16	208	3	18.1	30	(3)#10 & (1)#10 GND IN 3/4" COND.
HP-3	TRANE – 5TWA4048A3000A	4	EXT. PAD	45-1/8 x 37-1/4 x 34-1/4	251	1	SCROLL	12.2 – 120.4	1	1/3	850	2.8	R-454B	7/8	5/16	208	3	18.1	30	(3)#10 & (1)#10 GND IN 3/4" COND.

SPLIT-SYSTEM AIR HANDLER UNIT SCHEDULE

GENERAL INFORMATION						INDOOR FAN						REFRIGERANT			HEATER			ELECTRICAL				
																CAPACITY						
TAG	MANUFACTURER & MODEL #	TONS	LOCATION	DIMENSIONS (IN.) H x W x D	WEIGHT (NET LBS.)	SUPPLY CFM	OA CFM	BLOWER TYPE	MOTOR TYPE	MOTOR R.P.M.	MOTOR F.L.A.	TYPE	GAS LINE (IN.)	LIQUID LINE (IN.)	MODEL #	kW	BTUH	VOLTS	PHASE	M.C.A.	M.O.C.P.	FEEDER (CU. 75 C)
AH-1	TRANE – 5TEM6D06AV41SA	4	ATTIC	57-3/8 x 23-1/2 x 21-1/8	174	1600	320	DIRECT	VARIABLE SPEED	1050	6.8	R-454B	7/8	3/8	BAYHTR1508BRK	5.76	19,700	208	3	43	45	(3)#8 & (1)#10 GND IN 3/4" COND.
AH-2	TRANE – 5TEM6D06AV41SA	4	ATTIC	57-3/8 x 23-1/2 x 21-1/8	174	1600	430	DIRECT	VARIABLE SPEED	1050	6.8	R-454B	7/8	3/8	BAYHTR1508BRK	5.76	19,700	208	3	43	45	(3)#8 & (1)#10 GND IN 3/4" COND.
AH-3	TRANE – 5TEM6D06AV41SA	4	UTILTY MEZZANINE	57-3/8 x 23-1/2 x 21-1/8	174	1600	340	DIRECT	VARIABLE SPEED	1050	6.8	R-454B	7/8	3/8	BAYHTR1508BRK	5.76	19,700	208	3	43	45	(3)#8 & (1)#10 GND IN 3/4" COND.

MINI SPLIT OUTDOOR UNIT SCHEDULE

GENERAL INFORMATION					COOLING/REFRIGERANT				ELECTRICAL				
TAG	MANUFACTURER & MODEL #	LOCATION	DIMENSIONS (IN.) H x W x D	WEIGHT (NET LBS.)	BTU	TYPE	GAS LINE (IN.)	LIQUID LINE (IN.)	VOLTS	PHASE	M.C.A.	M.O.C.P.	FEEDER (CU. 75 C)
MSO-1	MITSUBISHI – MUY-GX09NL	EXT. PAD	21-5/8 x 31-1/2 x 11-1/4	77	9000	R-454B	3/8	1/4	240	1	12	25	(2)#10 & (1)#10 GND IN 3/4" COND.

MINI SPLIT INDOOR UNIT SCHEDULE

GENERAL INFORMATION					COOLING/REFRIGERANT				ELECTRICAL				
TAG	MANUFACTURER & MODEL #	LOCATION	DIMENSIONS (IN.) H x W x D	WEIGHT (NET LBS.)	SUPPLY CFM	TYPE	GAS LINE (IN.)	LIQUID LINE (IN.)	VOLTS	PHASE	M.C.A.	M.O.C.P.	FEEDER (CU. 75 C)
MSI-1	MITSUBISHI – MSY-GX18NL	IT CLOSET	13-1/2 x 43-5/16 x 10-1/8	37	400	R-454B	3/8	1/4	240	1	POWER FROM OUTDOOR UNIT "MSO-1"		

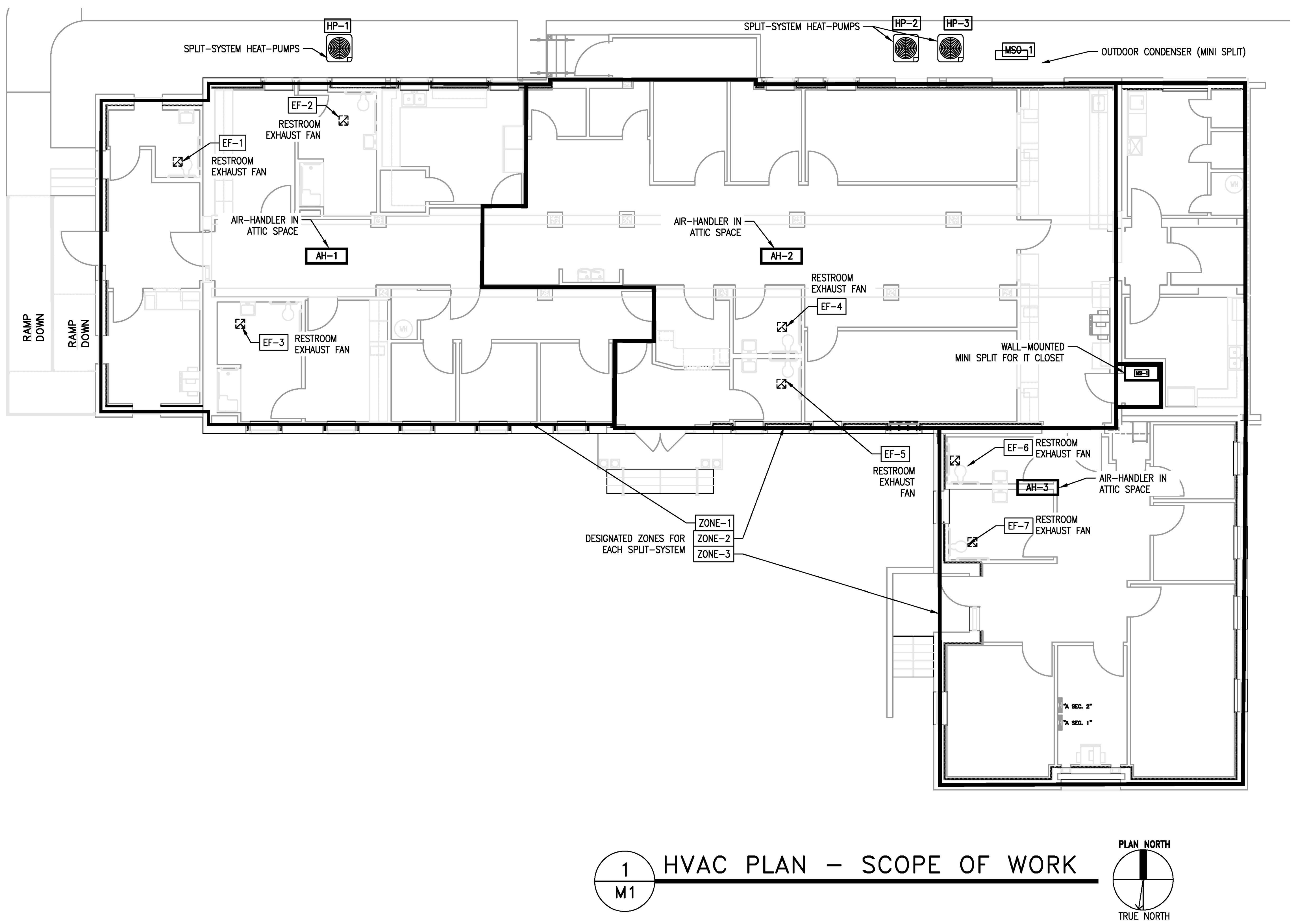
****NOTE: PROVIDE CONDENSATION PUMP FOR INDOOR UNIT

EXHAUST FAN SCHEDULE

GENERAL INFORMATION			FAN INFORMATION							ELECTRICAL INFORMATION					MISCELLANEOUS INFORMATION			
TAG	MANUFACTURER & MODEL #	LOCATION	EXHAUST CFM	MAKEUP CFM	ESP INCHES	SONES	FAN TYPE	FAN HP	FAN FLA	FAN WATT	UNIT VOLTS	UNIT PHASE	MCA	MOCP	WIRE SIZE (DU. 75 C)	UNIT SIZE (H)X(W)X(D)	UNIT WEIGHT	REMARKS
EF-1	GREENHECK – SP-A110-QD	100 – LOBBY RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-2	GREENHECK – SP-A110-QD	110A – INTAKE 1 RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-3	GREENHECK – SP-A110-QD	103A – INTAKE 2 RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-4	GREENHECK – SP-A110-QD	117A – DAYROOM RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-5	GREENHECK – SP-A110-QD	107A – LOBBY RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-6	GREENHECK – SP-A110-QD	131 – STAFF UNISEX RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2
EF-7	GREENHECK – SP-A110-QD	130 – STAFF UNISEX RR	75	N/A	0.25	1.5	CENTRIFUGAL	N/A	N/A	19 W	120	1	N/A	N/A	#12	9"X11"X13"	N/A	1 2

KEYED NOTES FOR EXHAUST DAN UNITS: APPLIED FOR ALL EXHAUST FAN UNITS ABOVE

1. 6"ø EXHAUST DUCT CONNECTION
2. FAN SHALL BE SWITCHED WITH RESTROOM LIGHTING
3. EQUIVALENT SELECTED BY BUILDING OWNER



1 / M1 HVAC PLAN – SCOPE OF WORK

MECHANICAL SCOPE OF WORK

THIS MECHANICAL SCOPE OF WORK INCLUDES THE INSTALLATION OF–

- THREE (3) NEW 4-TON HEAT PUMP (HP) SPLIT-SYSTEMS
- CONCRETE EQUIPMENT PADS FOR OUTDOOR HP UNITS
- SUPPORT FRAMING & VIBRATION ISOLATORS FOR ATTIC AIR HANDLER (AH) UNITS
- SECONDARY DRAIN PANS & FLOAT SWITCHES FOR AH CONDENSATE.
- INSULATED HVAC DUCTWORK W/ SUPPORTS & NOISE/VIBRATION CONTROL FOR SUPPLY AND RETURN AIR DISTRIBUTION.
  - NOTE– DUCTWORK WILL PENETRATE HOLLOW TILE ATTIC FLOOR. THE STRUCTURAL INTEGRITY OF THE EXISTING FLOORS MUST BE MAINTAINED. ALL TRADES SHALL INSPECT EXISTING FIELD CONDITIONS, REVIEW AS-BUILT & STRUCTURAL DOCUMENTATION IN THIS PLAN SET, & COORDINATE LOCATION/ROUTING OF ROUGH-INS PRIOR TO SAWCUTTING DUCT PENETRATIONS IN THE EXISTING CONSTRUCTION.
- VOLUME/CONTROL/BALANCING/FIRE DAMPERS, SUPPLY DIFFUSERS, & RETURN GRILLES PER LAYOUT.
- PROGRAMMABLE THERMOSTATS & CONTROLS
- REFRIGERANT & CONDENSATE PIPING:
- CONTROLS & ELECTRICAL COORDINATION:
- TESTING, ADJUSTING, BALANCING OF HVAC SYSTEM.

DESCRIPTION AND SEQUENCE OF OPERATION OF HVAC SYSTEM

THE HVAC SYSTEM CONSISTS OF:

- EQUIPMENT TO PROVIDE CONSTANT VOLUME HEATING/COOLING/VENTILATION TO ALL SPACES:
  - SPLIT SYSTEM UNITS
    - (3) 4-TON HEAT PUMP/AIR HANDLER

OCCUPIED OPERATION

- THE SUPPLY FANS SHALL RUN CONTINUOUSLY TO PROVIDE THE REQUIRED VENTILATION RATE.
  - SEE VENTILATION CALCULATIONS ON SHEET M3.
- IN COOLING MODE, A RISE IN TEMPERATURE BEYOND SET POINT OF PROGRAMMABLE T-STAT WILL RESULT IN ACTIVATION OF DX COOLING CYCLE UNTIL DESIRED TEMPERATURE IS REACHED.
- IN HEATING MODE, A SIGNAL FROM T-STAT WILL ACTIVATE GAS HEATING UNTIL DESIRED TEMPERATURE IS REACHED.

UNOCCUPIED OPERATION

- THE SUPPLY FAN SHALL BE INDEXED OFF AND GRAVITY OR MOTORIZED OUTSIDE AIR DAMPER SHALL BE CLOSED.
- PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS SHALL PROVIDE CONTROL OF EACH UNIT.

EXHAUST FAN OPERATION

- THE RESTROOM EXHAUST FANS SHALL BE SWITCHED WITH LIGHTING FOR TOILETS.

APPENDIX B MECHANICAL DESIGN SUMMARY

PROJECT NAME: GOOD HOPE

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
METHOD OF COMPLIANCE
PRESCRIPTIVE [X] ENERGY COST BUDGET [ ]

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

THERMAL ZONE: ZONE 4 NORTH CAROLINA
WINTER DRY BULB: 17.0° F
SUMMER DRY BULB: 97.0° F

INTERIOR DESIGN CONDITIONS
WINTER DRY BULB: 65°
SUMMER DRY BULB: 78°
RELATIVE HUMIDITY: 50%

BUILDING HEATING LOAD: 298.6 MBH
BUILDING COOLING LOAD: 174.9 MBH

NEW MECHANICAL SPACING CONDITIONING SYSTEM

UNITARY
DESCRIPTION OF UNIT: 4-TON SPLIT SYSTEM

HEATING EFFICIENCY: 8.0 HSPF (8.0 HSPF MINIMUM EFFICIENCY, TABLE C403.2.3 (2))

COOLING EFFICIENCY: 14 SEER (14 SEER MINIMUM EFFICIENCY, TABLE C403.2.3 (2))

SIZE CATEGORY OF UNIT: 5.0 TON (< 65,000 BTU/H)

DESIGNER STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE. THE HVAC UNIT QUALIFIES AS MORE EFFICIENT MECHANICAL EQUIPMENT DESCRIBED IN THE CODE.

SIGNED: Buddy Jenkins
NAME: BUDDY JENKINS
TITLE: ENGINEER

MECHANICAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA MECHANICAL CODE 2018 EDITION, ASHRAE, SMACNA, AND NFPA.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED.

THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK, PIPING, AND EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICT.

THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION OF THE MECHANICAL SYSTEMS AND REVIEW ANY CONFLICTS WITH THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE.

ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:
1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE MECHANICAL CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL PENETRATIONS (PERTAINING TO HIS WORK) THROUGH THE ROOF, WALLS, FLOORS WITH THE GENERAL CONTRACTOR. ANY WATERPROOFING AROUND THE OPENINGS TO BE COMPLETED BY THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES. ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS PRIOR TO INSTALLATION. ALL PLATFORMS AND WALKWAYS IN 2nd FLOOR SPACES ARE PROVIDED BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR TO COORDINATE THE LOCATION AND DIMENSIONS OF ALL PLATFORMS IN THE 2nd FLOOR WITH THE GENERAL CONTRACTOR.

ALL EQUIPMENT HAVING ROTATING OR MOVING PARTS SHALL HAVE VIBRATION ISOLATORS TO ELIMINATE TRANSMISSION OF OBJECTIONABLE NOISE TO OTHER MATERIAL OR EQUIPMENT.

WHERE OUTSIDE AIR INTAKE DUCTWORK CONNECTS TO OUTSIDE AIR LOUVER, THE INSIDE FACE OF THE DUCTWORK SHALL BE PRIMED AND PAINTED WITH (2) TWO COATS OF FLAT BLACK TO PREVENT DUCTWORK FROM BEING VISIBLE

THE MECHANICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

THE MECHANICAL CONTRACTOR SHALL CLEAN ALL OF HIS EQUIPMENT PRIOR TO FINAL CLOSE OUT OF THIS PROJECT TO BE FREE OF ANY DIRT OR DEBRIS IN DRAIN PANS, CONDENSATE DRAINS, CONDENSING UNIT COILS, AND ETC.

ALL EQUIPMENT SHALL BE LOCATED AND INSTALLED TO PROVIDE MAXIMUM SPACE FOR MAINTENANCE AND SERVICE.

PROVIDE EQUIPMENT SUPPORT PAD FOR ALL BASE MOUNTED EQUIPMENT. PAD SHALL BE 4" HIGH OR PREFABRICATED CONCRETE PAD FOR ALL CONDENSING UNITS, AND PACKAGE UNITS, 4" MINIMUM FROM EQUIPMENT EDGE TO END OF PAD ON ALL SIDES.

THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL BREAKER AND DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT FOR THIS PROJECT.

CONDENSATE DRAINS SHALL BE A MINIMUM OF 3/4" ø PVC PIPE. A P-TRAP SHALL BE INSTALLED IN PIPE AT THE UNIT. ALL CONDENSATE LINES SHALL BE ROUTED AS INDICATED ON PLANS.
SEE SHEET P2.2 FOR HVAC CONDENSATE PIPING LAYOUT.

INSTALL FLEXIBLE DUCT CONNECTION AT SUPPLY AND RETURN DUCTWORK CONNECTIONS TO ALL AIR HANDLING UNITS, FAN BOXES, ETC.

DESIGN CRITERIA NOTES:

ALL SUPPLY, RETURN, EXHAUST AND OUTDOOR AIR DUCTWORK (WITH THE EXCEPTION OF COMMERCIAL KITCHEN DUCTWORK) SHALL BE SIZED AT 0.08" PER 100'-0" OF DUCT FOR EXTERNAL STATIC PRESSURE. ALL DUCTWORK SHALL BE 1"WG PRESSURE CLASS.

ECONOMIZERS ARE REQUIRED FOR ANY HVAC SYSTEM WITH A COOLING CAPACITY OF 65,000 BTU/HR OR GREATER (NCECC 503.3.1)

CORRIDORS SHALL NOT SERVE AS SUPPLY, RETURN, EXHAUST, RELIEF OR VENTILATION AIR DUCTS; CORRIDORS MAYBE BE USED FOR MAKEUP AIR PROVIDED TO TOILET AREAS FOR EXHAUST MAKEUP PROVIDING THE CORRIDOR IS PROVIDED WITH AN OUTSIDE AIR RATE GREATER THAN THE MAKEUP REQUIRED FOR EXHAUST. (NCMC 601.2)

HVAC SYSTEM SHALL HAVE PROGRAMMABLE THERMOSTAT CAPABLE OF OFF HOUR CONTROLS (NIGHT SETBACK) TO MAINTAIN NO MORE THAN 85°F OR NO LESS THAN 55°F (NCECC 503.2.4.3, 503.2.4.3.1 & 503.2.4.3.2)

THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN AIR DUCT AT EACH UNIT IN ACCORDANCE WITH NORTH CAROLINA BUILDING CODE EDITION 2018. THE MECHANICAL CONTRACTOR TO WIRE FROM THE DETECTOR TO EACH UNIT.

DUCTWORK NOTES:

ALL DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL BE SUPPORTED FROM THE BUILDING SUPPORT STRUCTURE AND NOT THE ROOF.

ALL DUCT LAYOUT AND LOCATIONS ARE SHOWN DIAGRAMMATIC. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE BUILDING CONDITIONS AND COORDINATE THE DUCT LAYOUT WITH ALL CONTRACTORS PRIOR TO INSTALLATION.

ALL DUCTWORK SHALL BE CONSTRUCTED OF SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED.

VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. TURNING VANES ARE REQUIRED IN ALL ELBOWS AND AIR DEFLECTION DEVICES WILL BE INSTALLED WHERE REQUIRED FOR A BALANCED SYSTEM. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THRU WALLS.

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE. ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW AND SEALED WITH DUCT SEALER. (NCMC (603.9) & NCECC (503.2.7)

FLEXIBLE DUCT RUNS SHALL NOT EXCEED 12'-0" IN LENGTH. FLEXIBLE DUCT SHALL BE SUPPORTED EVERY 5'-0". MAXIMUM SAG IS A 1/2 INCH PER FOOT OF SPACING BETWEEN SUPPORTS. SADDLE MATERIAL IN CONTACT WITH THE FLEXIBLE DUCT SHALL BE WIDE ENOUGH SO THAT IT DOES NOT REDUCE THE INTERNAL DIAMETER OF THE DUCT. THE SADDLE MUST COVER ONE-HALF THE CIRCUMFERENCE OF THE OUTSIDE DIAMETER OF THE FLEXIBLE DUCT AND FIT NEATLY AROUND THE LOWER HALF OF THE DUCT'S OUTER CIRCUMFERENCE.

PROVIDE PERMANENT MANUAL DAMPERS IN ALL SUPPLY AND RETURN AIR DUCTS AT THE MAIN TRUNK LINE FOR SYSTEM BALANCING. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR BALANCING THE AIR DISTRIBUTION SYSTEM AFTER THE SYSTEM HAS BEEN INSTALLED AND EQUIPMENT IS OPERATING. MANUAL DAMPERS ARE REQUIRED TO BE INSTALLED IN THE RETURN AIR DUCT IF THE DUCT IS RETURNING AIR FROM INDIVIDUAL ROOMS. MANUAL DAMPERS ARE NOT REQUIRED IF THE DUCT IS RETURNING AIR FROM CENTRALLY LOCATED FILTER/RETURN GRILLES.

THE OUTSIDE AIR INTAKE DUCTWORK SHALL BE HARD ROUND DUCT, FLEXIBLE DUCT WILL NOT BE ACCEPTED. SEE PLAN FOR DUCT SIZE.

ALL OUTSIDE AIR INTAKE DUCTS SHALL HAVE A FILTER BOX TO HOUSE A MINIMUM OF 16 IN. X 20 IN. X 2 IN. THICK FILTER, U.N.O. AT EACH AIR HANDLING UNIT EITHER IN THE 2nd FLOOR OR CRAWL SPACE. THE FILTER BOX SHALL HAVE A HINGED DOOR THAT IS GASKETED TO MAINTAIN A AIRTIGHT SEAL WITH A THUMBSCREW TO ACCESS THE FILTER.

THE OUTSIDE AIR FILTER SHALL BE THE HI-E 40 AS MANUFACTURED BY PUROLATOR PRODUCTS AIR FILTRATION COMPANY, OR APPROVED EQUAL. AIR FILTER SHALL BE (2) TWO INCHES DEEP, MEDIUM EFFICIENCY, PLEATED MEDIA, DISPOSABLE PANEL TYPE. THE FILTER MEDIA SHALL BE SELF-EXTINGUISHING NON-WOVEN COTTON AND SYNTHETIC FIBERS. THE FILTER MEDIA SHALL BE BONDED TO A 28-GAUGE CORROSION RESISTANT, EXPANDED METAL SUPPORT GRID WITH A 95% OPEN FACE AREA.

THE MECHANICAL CONTRACTOR SHALL PROVIDE THREE (3) SETS OF FILTERS FOR EACH NEW AIR DISTRIBUTION UNIT:
- 1ST SET FOR INITIAL INSTALLATION OF EQUIPMENT & DUCTWORK ROUGH-IN
- 2ND SET FOR TEST & BALANCING
- 3RD SET FOR THE CLIENT/OWNER AFTER FINAL INSPECTION

DUCT/PIPING INSULATION NOTES:

PER 2018 NC ENERGY CONSERVATION CODE C403.2.9–
SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES INSIDE THE BUILDING.
WHERE LOCATED OUTDOORS, SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION.

WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, SUCH AS A WALL OF THE BUILDING THERMAL ENVELOPE, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED SPACE BY A MINIMUM OF R-8.

EXCEPTION: WHERE LOCATED WITHIN EQUIPMENT, DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION 603.9 OF THE INTERNATIONAL MECHANICAL CODE.

ACCEPTABLE MANUFACTURER(S) ARE:
JOHNSON MANVILLE.

LIQUID AND SUCTION PIPING TO AND FROM AIR HANDLING UNITS SHALL BE INSULATED WITH 1-1/2" THICK PIPE INSULATION IN ACCORDANCE WITH TABLE 503.2.8 OF THE NC ENERGY CODE 2018 EDITION.

ALL FLEXIBLE DUCT REQUIRING INSULATION SHALL HAVE A VALUE OF AT LEAST R-6.0. THE FLEXIBLE DUCT SHALL BE ATCO RUBBER PRODUCTS, INC. UPC NO. 036 OR APPROVED EQUAL WITH A REINFORCED METALLIZED POLYESTER JACKET. THE INNER CORE IS AIRTIGHT AND IS DESIGNED FOR LOW TO MEDIUM OPERATING PRESSURES IN HVAC SYSTEMS. AIR DUCT CONNECTIONS AND JOINTS SHALL BE MADE PER INSTALLATION INSTRUCTIONS OUTLINED BY ATCO.

OUTSIDE AIR INTAKE DUCTWORK AND EXHAUST DUCTWORK IS TO BE UNINSULATED.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 28803 DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [ ] FOR REVIEW PURPOSES ONLY
PRELIMINARY [ ] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

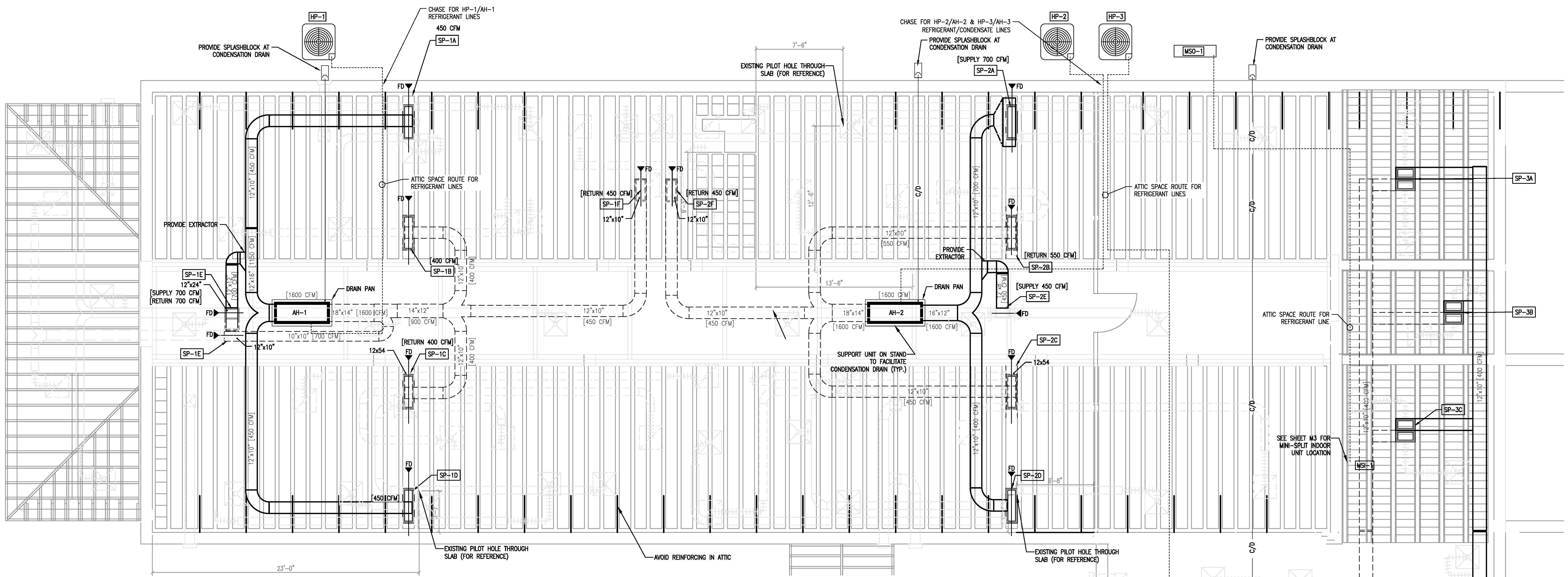
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

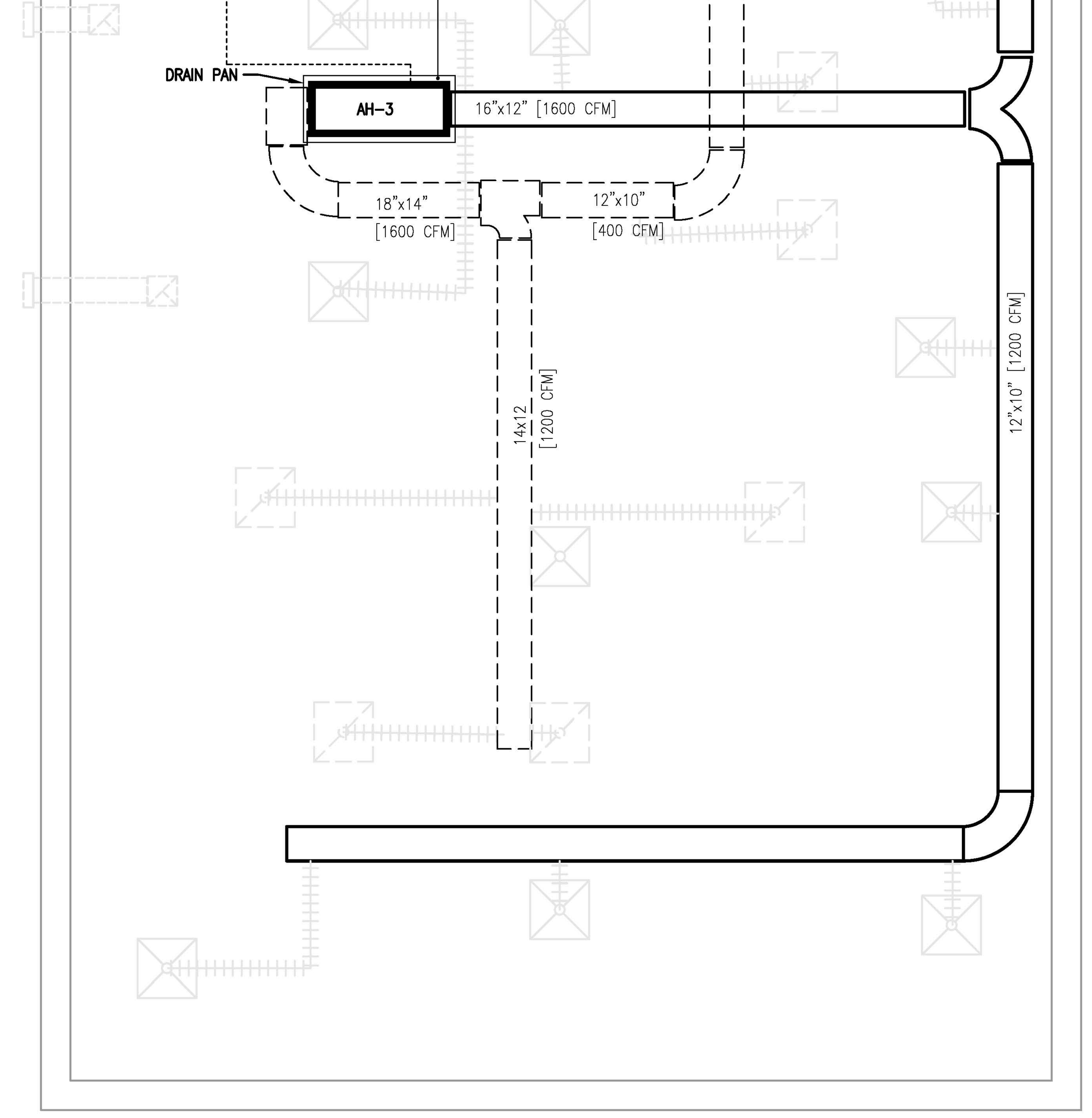
SYMBOL	DESCRIPTION	DATE	BY
1	-	-	-

PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: MECHANICAL SUMMARY AND EQUIPMENT SCHEDULES

M1





NOTE FOR DUCTWORK INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

HVAC BULKHEAD/SLAB PENETRATION SCHEDULE

TAG	SERVICE	SIZE	CFM
SP-1A	SUPPLY	12" x 36"	450
SP-1B	RETURN	12" x 36"	400
SP-1C	RETURN	12" x 36"	400
SP-1D	SUPPLY	12" x 36"	450
SP-1E	SUPPLY/RETURN	12" x 24"	700/700
SP-1F	RETURN	12" x 10"	450
SP-2A	SUPPLY	12" x 36"	700
SP-2B	RETURN	12" x 36"	550
SP-2C	RETURN	12" x 36"	450
SP-2D	SUPPLY	12" x 36"	400
SP-2E	SUPPLY	12" x 36"	450
SP-2F	RETURN	12" x 10"	450
SP-3A	SUPPLY/RETURN	22" x 20"	200/200
SP-3B	SUPPLY/RETURN	22" x 20"	100/100
SP-3C	SUPPLY/RETURN	22" x 20"	100/100

***NOTE: EACH SLAB PENETRATION WILL REQUIRE INSTALLATION OF A FIRE DAMPER AND ACCESS DOOR ON DUCT.

HVAC LEGEND

20X12	SUPPLY/MAKEUP DUCTWORK WITH INSIDE SIZE NOTED
20X12	RETURN/EXHAUST DUCTWORK WITH INSIDE SIZE NOTED
	SQUARE/RETANGULAR SUPPLY/RETURN/EXHAUST TRANSITION
	ROUND/OVAL SUPPLY/RETURN/EXHAUST TRANSITION
	RADIUS TYPE SUPPLY/RETURN/EXHAUST DUCTWORK ELBOW
	SQUARE TYPE SUPPLY/RETURN/EXHAUST DUCTWORK ELBOW WITH TURNING VANES
VD	INCREASED AREA TAKEOFF WITH/WITHOUT VOLUME DAMPER
A 300	LAY-IN/SURFACE SUPPLY DIFFUSER WITH TAG AND CFM NOTED
A 300	SIDEWALL SUPPLY/RETURN/EXHAUST DIFFUSER WITH TAG AND CFM NOTED
A	LAY-IN/SURFACE RETURN GRILLE WITH TAG
	ROUND DUCTWORK TURN UP/DOWN
VD	FLEXIBLE/RIGID AIR DUCT CONNECTOR WITH/WITHOUT VOLUME DAMPER
RTU-1	HVAC EQUIPMENT WITH TAG: SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
SP-#	SLAB PENETRATION TAG
FD	FIRE DAMPER AND ACCESS DOOR.

1
M2
HVAC PLAN – ATTIC

PLAN NORTH
TRUE NORTH

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

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS
CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA
FAYETTEVILLE, NC
OFFICE 910.822.1724

NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

DESIGNED/CHECKED BY: BJ
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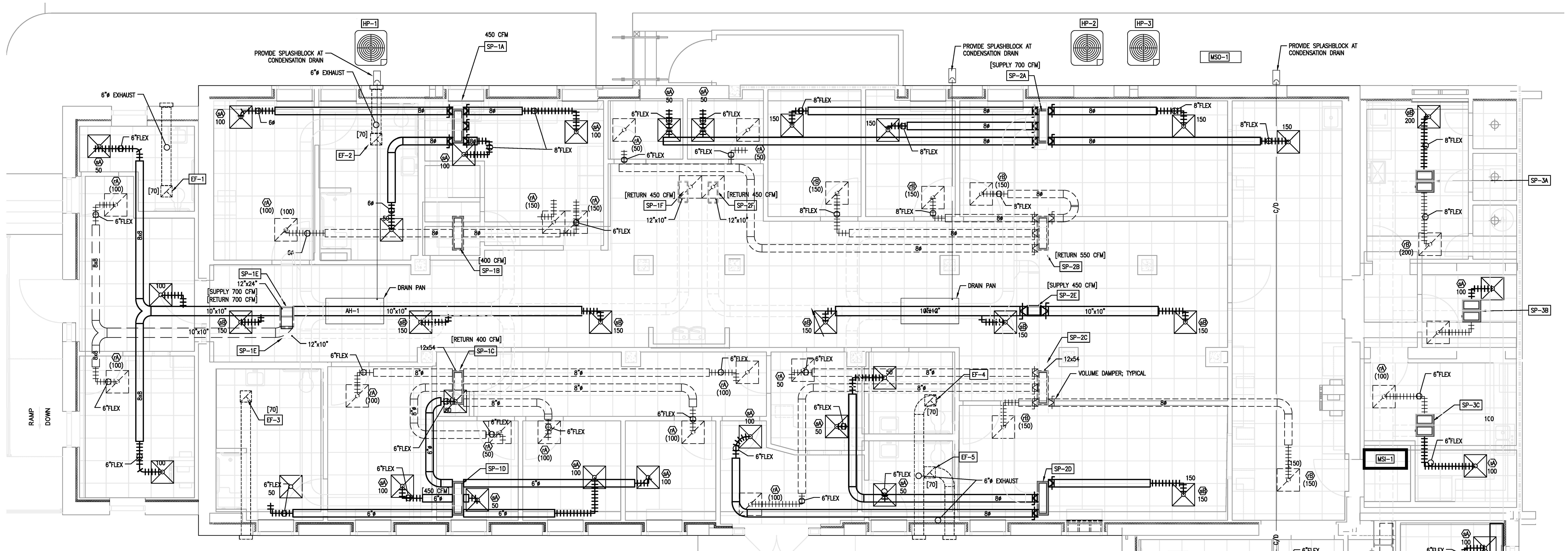
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

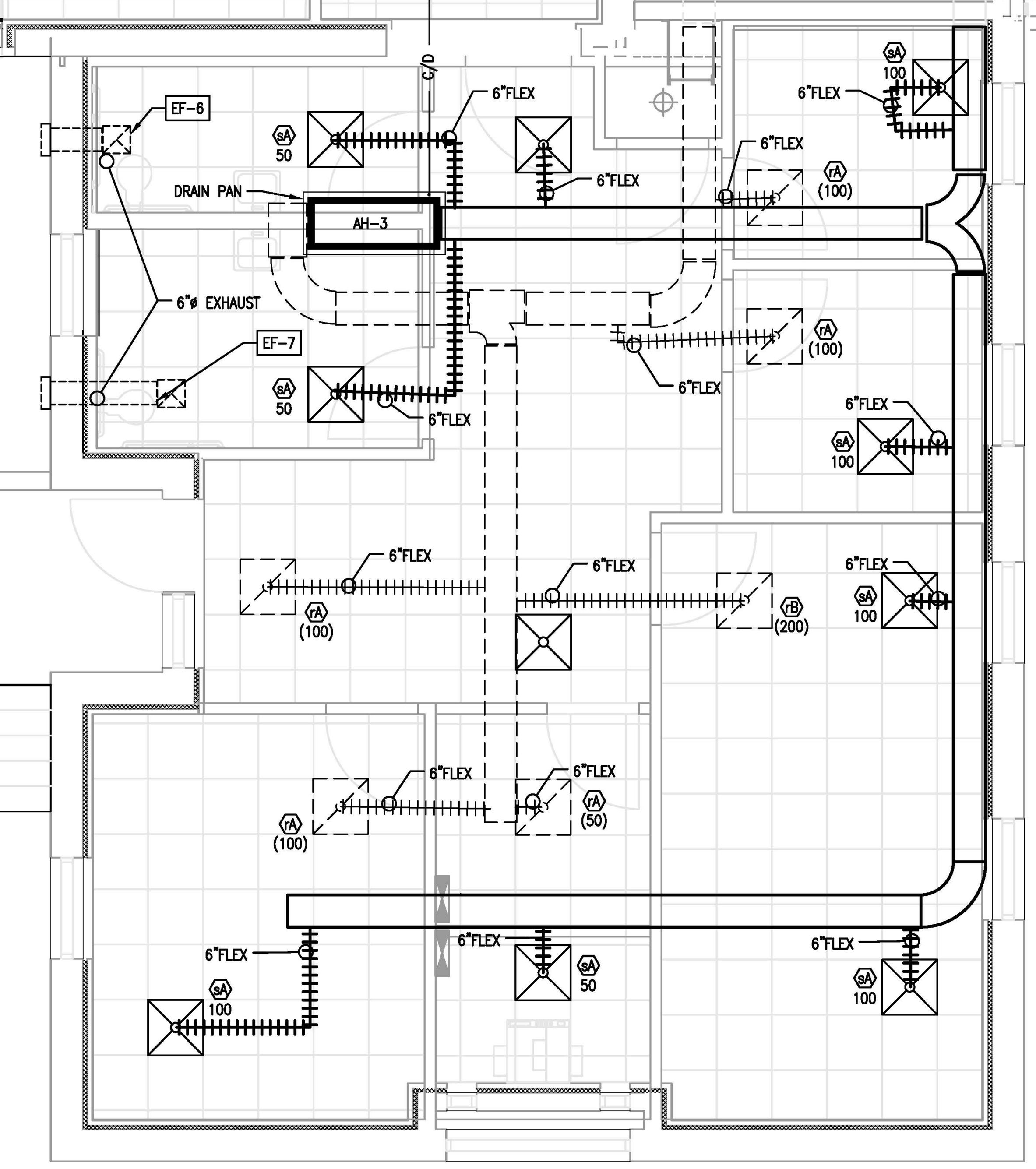
SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
HVAC PLAN – ATTIC

M2





<u>NOTE FOR DUCTWORK INSTALLATION:</u>

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

HVAC BULKHEAD/SLAB PENETRATION SCHEDULE

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SP-1B	RETURN	12" x 36"	400
SP-1C	RETURN	12" x 36"	400
SP-1D	SUPPLY	12" x 36"	450
SP-1E	SUPPLY/RETURN	12" x 24"	700/700
SP-1F	RETURN	12" x 10"	450
SP-2A	SUPPLY	12" x 36"	700
SP-2B	RETURN	12" x 36"	550
SP-2C	RETURN	12" x 36"	450
SP-2D	SUPPLY	12" x 36"	400
SP-2E	SUPPLY	12" x 36"	450
SP-2F	RETURN	12" x 10"	450
SP-3A	SUPPLY/RETURN	22" x 20"	200/200
SP-3B	SUPPLY/RETURN	22" x 20"	100/100
SP-3C	SUPPLY/RETURN	22" x 20"	100/100

***NOTE: EACH SLAB PENETRATION WILL REQUIRE INSTALLATION OF A FIRE DAMPER AND ACCESS DOOR ON DUCT.

HVAC LEGEND

20X12	SUPPLY/MAKEUP DUCTWORK WITH INSIDE SIZE NOTED
20X12	RETURN/EXHAUST DUCTWORK WITH INSIDE SIZE NOTED
	SQUARE/RETANGULAR SUPPLY/RETURN/EXHAUST TRANSITION
	ROUND/OVAL SUPPLY/RETURN/EXHAUST TRANSITION
	RADIUS TYPE SUPPLY/RETURN/EXHAUST DUCTWORK ELBOW
	SQUARE TYPE SUPPLY/RETURN/EXHAUST DUCTWORK ELBOW WITH TURNING VANES
VD	INCREASED AREA TAKEOFF WITH/WITHOUT VOLUME DAMPER
A 300	LAY-IN/SURFACE SUPPLY DIFFUSER WITH TAG AND CFM NOTED
A 300	SIDEWALL SUPPLY/RETURN/EXHAUST DIFFUSER WITH TAG AND CFM NOTED
A	LAY-IN/SURFACE RETURN GRILLE WITH TAG
	ROUND DUCTWORK TURN UP/DOWN
VD	FLEXIBLE/RIGID AIR DUCT CONNECTOR WITH/WITHOUT VOLUME DAMPER
RTU-1	HVAC EQUIPMENT WITH TAG: SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
SP-#	SLAB PENETRATION TAG
FD	FIRE DAMPER AND ACCESS DOOR.

SUPPLY DIFFUSER SCHEDULE

TAG	CFM	AIR PATTERN	FACE SIZE	NECK SIZE	SERVICE	MFG & MODEL	REMARKS
sA	0–100	4-WAY	24x24	6"ø	SUPPLY	HART & COOLEY ARE OR EQUAL	LAY-IN; ALUM., TO BE PAINTED
sB	100–250	4-WAY	24x24	8"ø	SUPPLY	HART & COOLEY ARE OR EQUAL	LAY-IN; ALUM., TO BE PAINTED
sC	250–400	4-WAY	24x24	10"ø	SUPPLY	HART & COOLEY ARE OR EQUAL	LAY-IN; ALUM., TO BE PAINTED

GRILLE/RETURN SCHEDULE

TAG	CFM	AIR PATTERN	FACE SIZE	NECK SIZE	SERVICE	MFG & MODEL	REMARKS
rA	0–100	LOUVERED	24x24	6"ø	RETURN	HART & COOLEY PFT OR EQUAL	LAY-IN; ALUM., TO BE PAINTED; FILTER
rB	100–250	LOUVERED	24x24	8"ø	RETURN	HART & COOLEY PFT OR EQUAL	LAY-IN; ALUM., TO BE PAINTED; FILTER

1 / M3 HVAC PLAN – GROUND FLOOR

PLAN NORTH / TRUE NORTH

0 2' 4' 8'

SCALE: 1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
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NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS

25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
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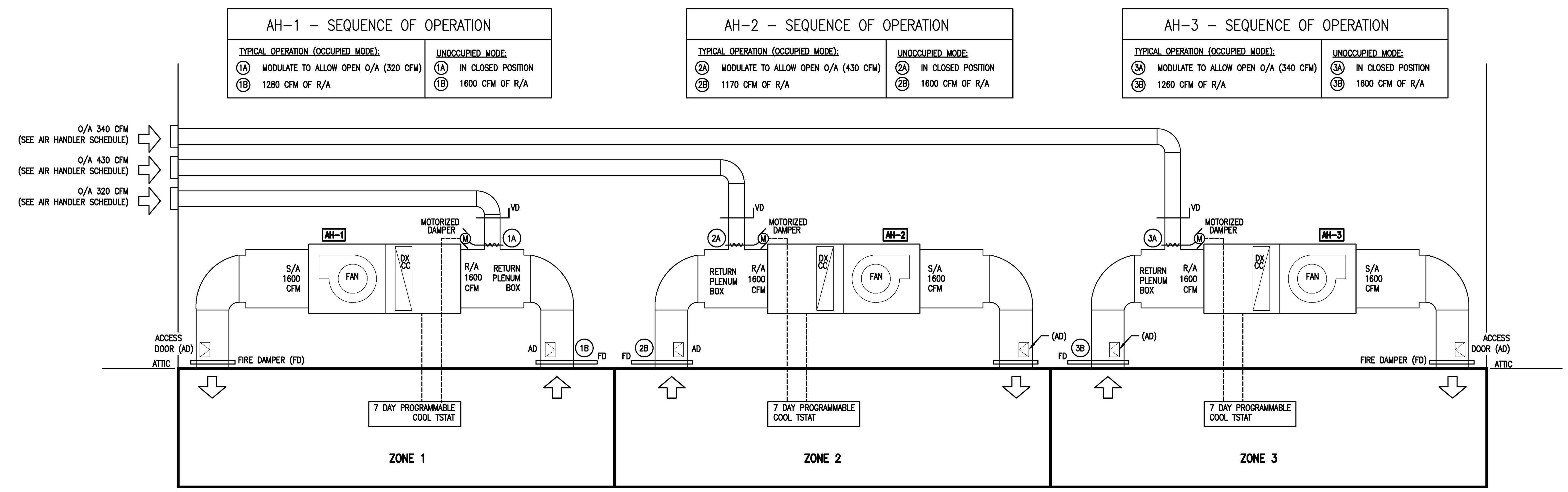
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
HVAC PLAN – GROUND FLOOR

M3



1
M4

AH VENTILATION DIAGRAM

NOT TO SCALE

VENTILATION CALCULATIONS – AH-1 PER 2018 NCMC TABLE 403.3.1.1

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (Az)	CEILING HEIGHT IN FEET (ClgHt)	VOLUME (CF) Az*ClgHt	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH75)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (Pz)	OUTSIDE AIR CFM PER PERSON (Rp)	OUTSIDE AIR CFM PER SQ. FT. (Ra)	(RpPz)	(RaAz)	O.A. CFM REQUIRED (Vbz) RpPz + RaAz	ZONE O.A. AIR FLOW (Ez)²	ADJUSTED O.A. Voz = Vbz/Ez	EXHAUST CFM REQUIRED		
100	LOBBY RR	LOBBIES/PREFUNCTION	59	8.5	501.5	100	11.96	30	2	7.5	0.06	13.28	3.54	16.82	0.8	21.02			
101	WAITING AREA	LOBBIES/PREFUNCTION	139	8.5	1181.5	100	5.08	30	4	7.5	0.06	31.28	8.34	39.62	0.8	49.52			
102	FRONT DESK	RECEPTION AREAS	127	8.5	1079.5	100	5.56	30	4	5.0	0.06	19.05	7.62	26.67	0.8	33.34			
103	INTAKE 2 OFFICE	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
103A	INTAKE 2 RR	RESTROOM–PUBLIC	79	8.5	671.5	100	8.94	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70	PER FLUSHING FIXTURE	70
104	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
105	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
106	OFFICE CLINICAL	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
109	HALLWAY	CORRIDOR	63	8.5	535.5	100	11.20	0	0	0.0	0.06	0.00	3.78	3.78	0.8	4.73			
110	INTAKE 1	OFFICE SPACES	260	8.5	2210	100	2.71	5	1	5.0	0.06	6.50	15.60	22.10	0.8	27.63			
110A	INTAKE 1 RR	RESTROOM–PUBLIC	125	8.5	1062.5	100	5.65	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70	PER FLUSHING FIXTURE	70
111	WARMING KITCHEN	KITCHENS (COOKING)	168	8.5	1428	1000	42.02	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	1	PER SQ. FT.	117.6
117(1)	DAYROOM	DAY ROOM	558	8.5	4743	100	1.27	30	17	5.0	0.06	83.70	33.48	117.18	0.8	146.48			
TOTALS						2200			29					OUTSIDE AIR SUB-TOTAL (A)		316.28	EXHAUST AIR SUB-TOTAL (B)		257.6
											TOTAL OUTSIDE AIR CFM REQUIRED – USE LARGEST (A OR B) VALUE					316.28			
													TOTAL OUTSIDE AIR CFM PROVIDED			320			

VENTILATION CALCULATIONS – AH-2 PER 2018 NCMC TABLE 403.3.1.1

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (Az)	CEILING HEIGHT IN FEET (ClgHt)	VOLUME (CF) Az*ClgHt	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH75)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (Pz)	OUTSIDE AIR CFM PER PERSON (Rp)	OUTSIDE AIR CFM PER SQ. FT. (Ra)	(RpPz)	(RaAz)	O.A. CFM REQUIRED (Vbz) RpPz + RaAz	ZONE O.A. AIR FLOW (Ez)²	ADJUSTED O.A. Voz = Vbz/Ez	EXHAUST CFM REQUIRED		
107	LOBBY (M-F)	LOBBIES/PREFUNCTION	71	8.5	603.5	100	9.94	30	2	7.5	0.06	15.98	4.26	20.24	0.8	25.29			
107A	LOBBY RR	LOBBIES/PREFUNCTION	59	8.5	501.5	100	11.96	30	2	7.5	0.06	13.28	3.54	16.82	0.8	21.02			
108	FRONT DESK	LOBBIES/PREFUNCTION	139	8.5	1181.5	100	5.08	30	4	7.5	0.06	31.28	8.34	39.62	0.8	49.52			
112	TELEHEALTH OFFICE 1	RECEPTION AREAS	127	8.5	1079.5	100	5.56	30	4	5.0	0.06	19.05	7.62	26.67	0.8	33.34			
113	TELEHEALTH OFFICE 2	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
114	KID PRIVATE ROOM 1	RESTROOM–PUBLIC	79	8.5	671.5	100	8.94	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70	PER FLUSHING FIXTURE	70
115	KID PRIVATE ROOM 2	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
116	CHAIR ROOM 1	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
117(2)	DAYROOM	OFFICE SPACES	79	8.5	671.5	100	8.94	5	0	5.0	0.06	1.98	4.74	6.72	0.8	8.39			
117A	DAYROOM RR	LOBBIES/PREFUNCTION	71	8.5	603.5	100	9.94	30	2	7.5	0.06	15.98	4.26	20.24	0.8	25.29			
118	CHAIR ROOM 2	CORRIDOR	63	8.5	535.5	100	11.20	0	0	0.0	0.06	0.00	3.78	3.78	0.8	4.73			
119	NURSE STATION	SCIENCE LABS	430	8.5	3655	100	1.64	25	11	10.0	0.18	107.50	77.40	184.90	0.8	231.13			
TOTALS						1000			13					OUTSIDE AIR SUB-TOTAL (A)		423.89	EXHAUST AIR SUB-TOTAL (B)		70
											TOTAL OUTSIDE AIR CFM REQUIRED – USE LARGEST (A OR B) VALUE					423.89			
													TOTAL OUTSIDE AIR CFM PROVIDED			430			

VENTILATION CALCULATIONS – AH-3 PER 2018 NCMC TABLE 403.3.1.1

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	NET SQUARE FOOTAGE (Az)	CEILING HEIGHT IN FEET (ClgHt)	VOLUME (CF) Az*ClgHt	SUPPLY AIR (CFM)	AIR CHANGES PER HOUR (ACH75)	OCCUPANCY DENSITY PER 1000 NET SQ. FT.	OCCUPANTS (Pz)	OUTSIDE AIR CFM PER PERSON (Rp)	OUTSIDE AIR CFM PER SQ. FT. (Ra)	(RpPz)	(RaAz)	O.A. CFM REQUIRED (Vbz) RpPz + RaAz	ZONE O.A. AIR FLOW (Ez)²	ADJUSTED O.A. Voz = Vbz/Ez	EXHAUST CFM REQUIRED		
120	LAUNDRY	COMMERCIAL LAUNDRY	139	8.5	1181.5	100	5.08	10	1	25.0	0	34.75	0.00	34.75	0.8	43.44			
121	STORAGE	STORAGE ROOM	68	8.5	578	100	10.38	0	0	0.0	0.12	0.00	8.16	8.16	0.8	10.20			
122	BREAKROOM	KITCHENS (PRIVATE)	154	8.5	1309	100	4.58	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	100		100
123	HALL	CORRIDOR	44	8.5	374	100	16.04	0	0	0.0	0.06	0.00	2.64	2.64	0.8	3.30			
124	OFFICE	OFFICE SPACES	95	8.5	807.5	100	7.43	5	0	5.0	0.06	2.38	5.70	8.08	0.8	10.09			
125	OFFICE	OFFICE SPACES	93	8.5	790.5	100	7.59	5	0	5.0	0.06	2.33	5.58	7.91	0.8	9.88			
126	CONFERENCE ROOM	CONFERENCE/MEETING	289	8.5	2456.5	100	2.44	50	14	5.0	0.06	72.25	17.34	89.59	0.8	111.99			
127	WORK ROOM	KITCHENS (PRIVATE)	70	8.5	595	100	10.08	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	100		100
128	OFFICE	OFFICE SPACES	213	8.5	1810.5	101	3.35	5	1	5.0	0.06	5.33	12.78	18.11	1.8	10.06			
129	HALLWAY	CORRIDOR	354	8.5	3009	102	2.03	0	0	0.0	0.06	0.00	21.24	21.24	2.8	7.59			
130	UNISEX RR	RESTROOM–PRIVATE	113	8.5	960.5	100	6.25	0	0	0.0	0	0.00	0.00	0.00	0.8	0.00	70	PER FLUSHING FIXTURE	70
131	STAFF UNISEX RR	RESTROOM–PRIVATE	83	8.5	705.5	103	8.76	0	0	0.0	0	0.00	0.00	0.00	3.8	0.00	70	PER FLUSHING FIXTURE	70
TOTALS						1500			26					OUTSIDE AIR SUB-TOTAL (A)		206.54	EXHAUST AIR SUB-TOTAL (B)		340
											TOTAL OUTSIDE AIR CFM REQUIRED – USE LARGEST (A OR B) VALUE					340			
													TOTAL OUTSIDE AIR CFM PROVIDED			340			

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA

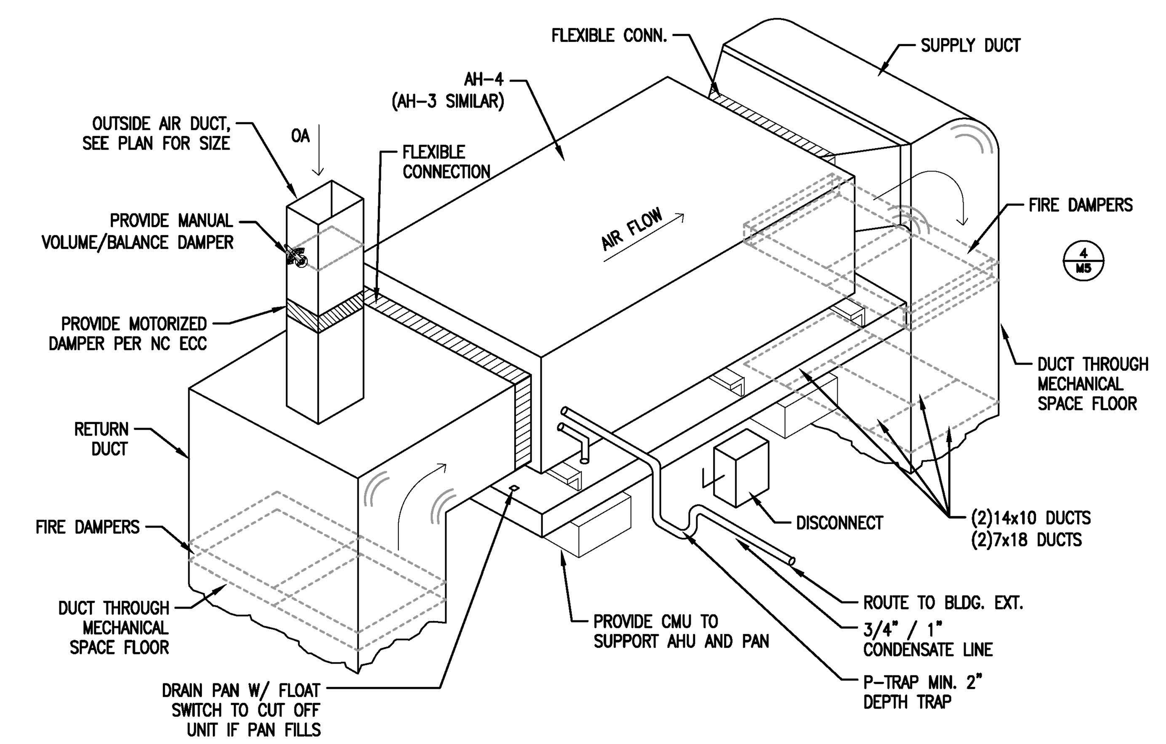
DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

OWNER/TENANT: GOOD HOPE HOSPITAL
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

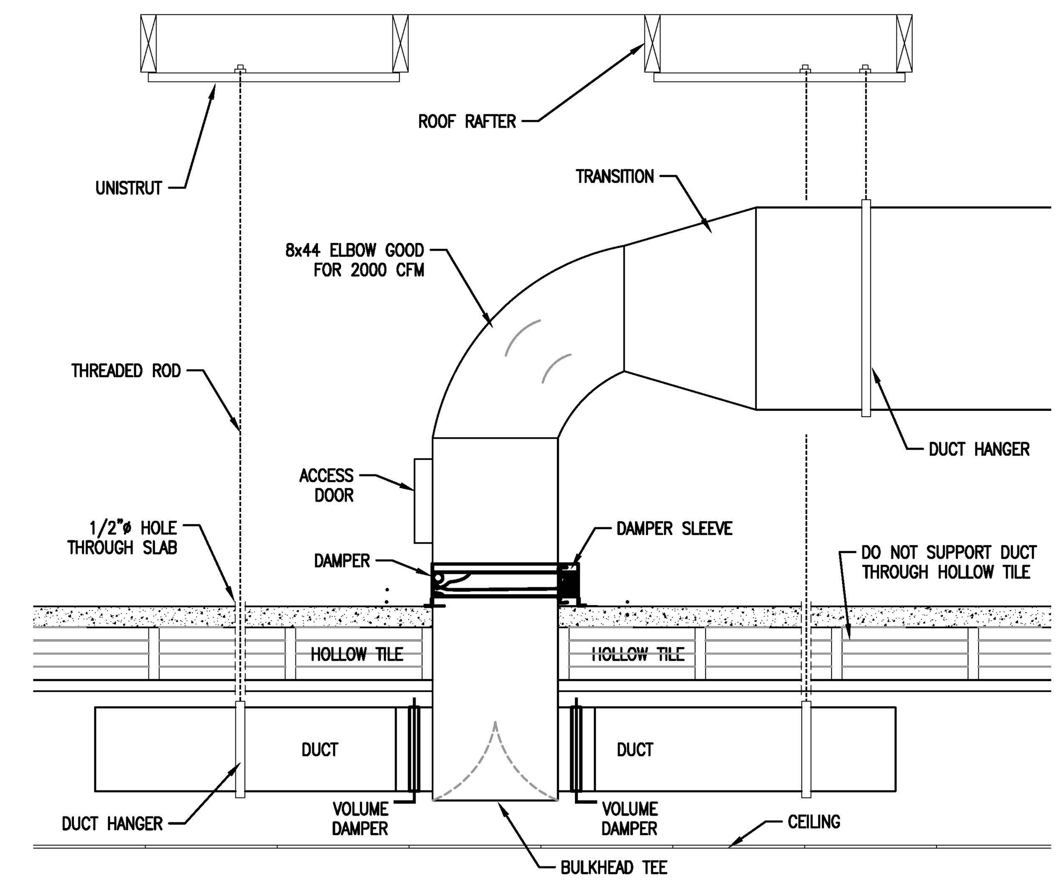
PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: VENTILATION CALCULATIONS & DIAGRAMS

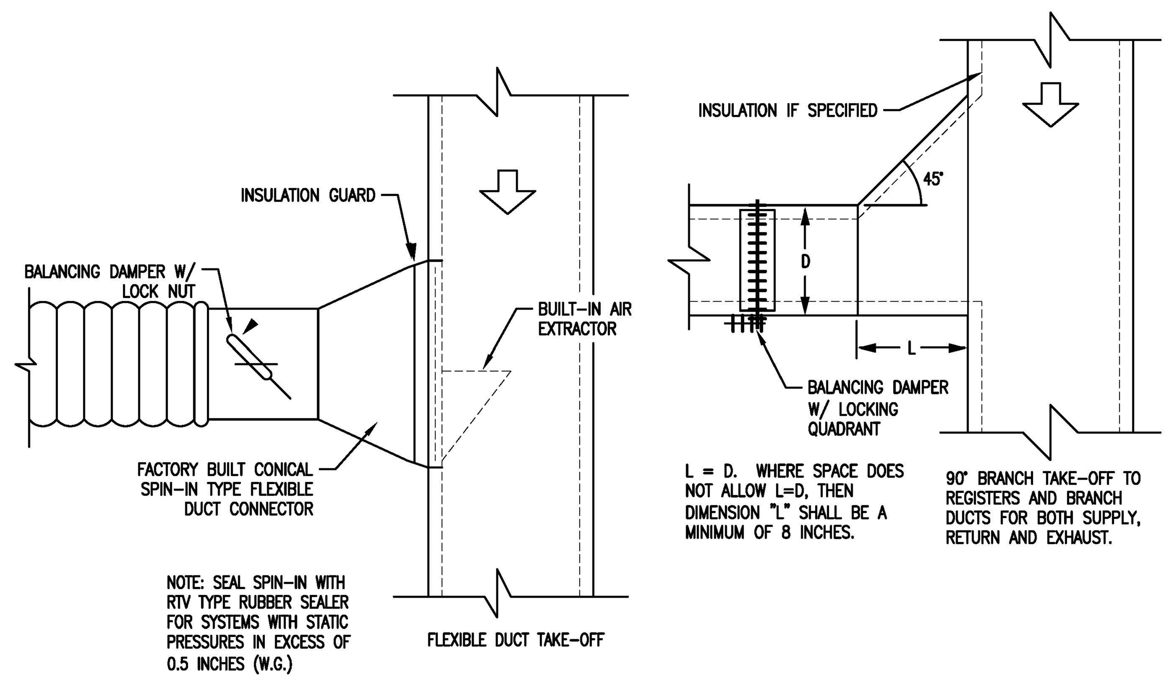
M4



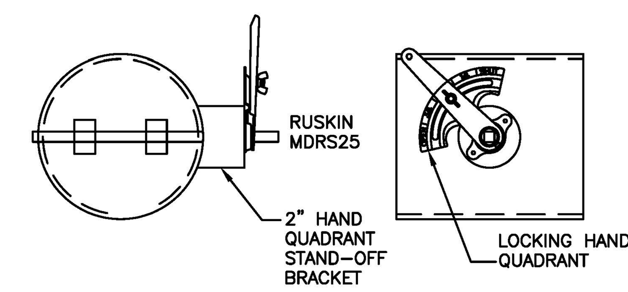
1 M5 TYPICAL AH ISOMETRIC DTL.
NOT TO SCALE AH-3 SIMILAR, ROTATED 180°



2 M5 DUCTWORK FLOOR PENETRATION DTL.
NOT TO SCALE

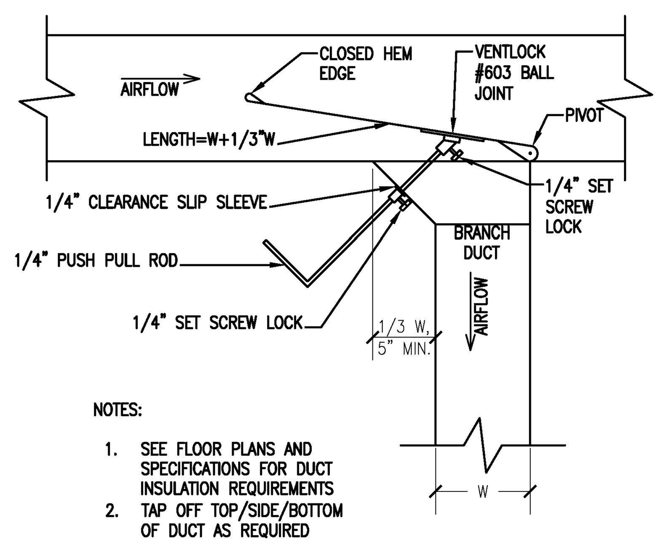


5 M5 DUCT TAKEOFF DETAIL
NOT TO SCALE



MANUAL VOLUME DAMPER SHALL BE RUSKIN MODEL MD25 OR APPROVED EQUAL (RECTANGULAR) AND RUSKIN MODEL MDRS25 (ROUND) OR APPROVED EQUAL WITH 2" EXTENDED STAND-OFF LOCKING HAND QUADRANT. INSULATION SHALL NOT COVER DAMPER LOCKING QUADRANT.

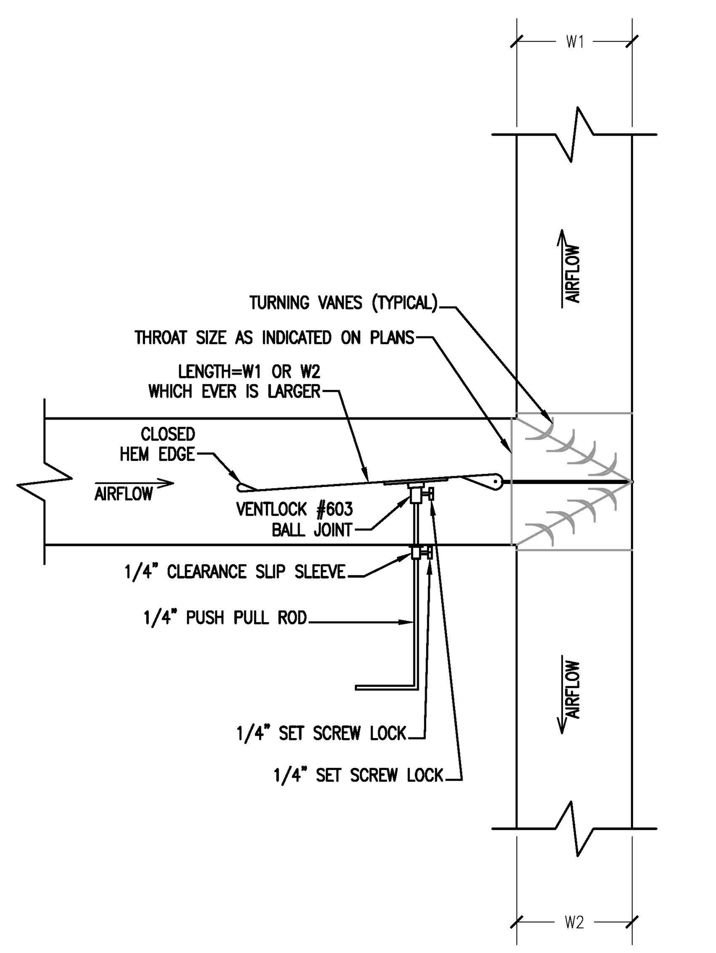
6 M5 MANUAL VOLUME DAMPER DETAIL
NOT TO SCALE



NOTES:

1. SEE FLOOR PLANS AND SPECIFICATIONS FOR DUCT INSULATION REQUIREMENTS
2. TAP OFF TOP/SIDE/BOTTOM OF DUCT AS REQUIRED

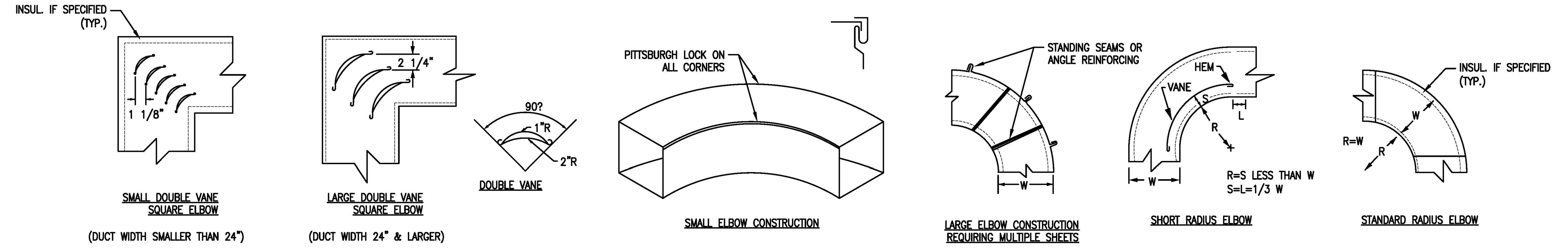
3 M5 BRANCH TAKEOFF TO MULTIPLE OUTLETS
NOT TO SCALE



NOTES:

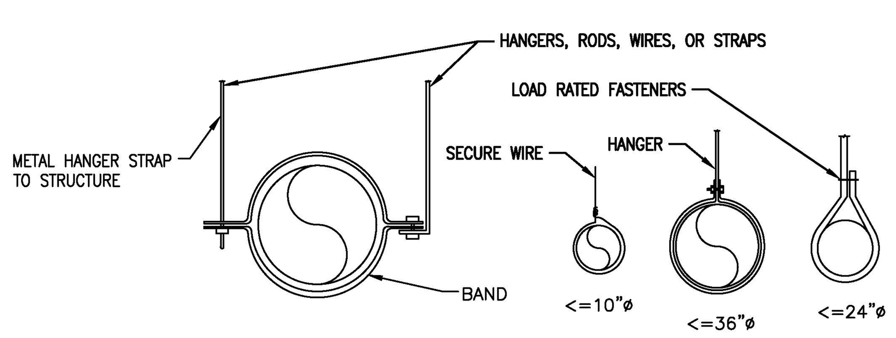
1. SEE FLOOR PLANS AND SPECIFICATIONS FOR DUCT INSULATION REQUIREMENTS
2. TAP OFF TOP/SIDE/BOTTOM OF DUCT AS REQUIRED

4 M5 DUCT W/ SPLITTER DAMPER
NOT TO SCALE

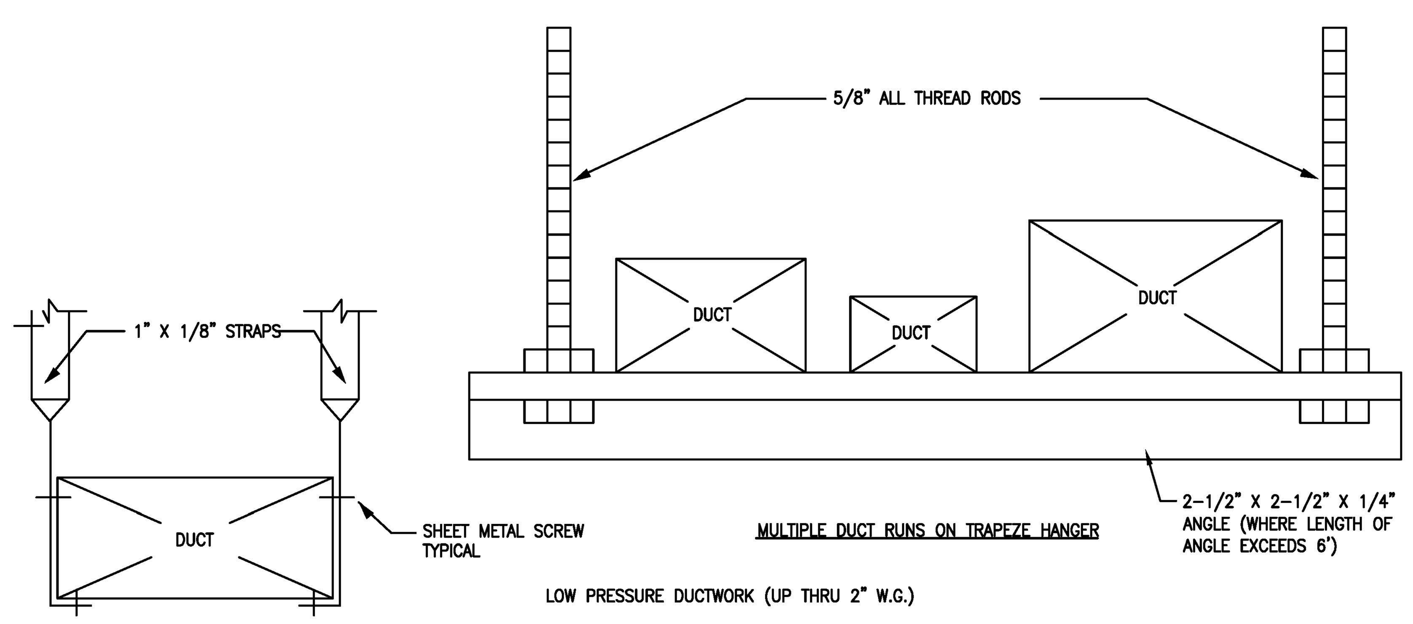


NOTE: ALL 90° TURNS IN SUPPLY & RETURN DUCTWORK SHALL BE STND. LONG RADIUS. USE SHORT RADIUS WITH VANES OR SQUARE WITH VANES AS SHOWN ONLY WITH APPROVAL OF ENGINEER

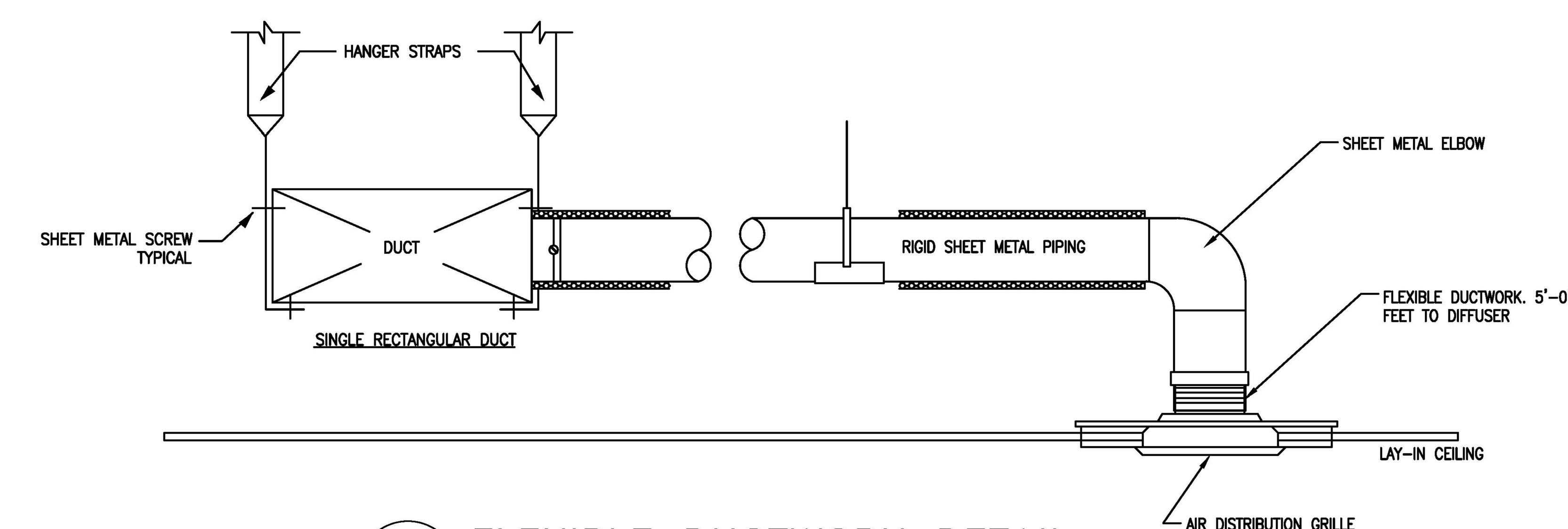
7 M5 DUCTWORK DETAILS
NOT TO SCALE



8 M5 DUCTWORK SUPPORT DETAILS
NOT TO SCALE LOW PRESSURE DUCTWORK (UP THRU 2" W.G.)



9 M5 DUCTWORK SUPPORT DETAILS
NOT TO SCALE



10 M5 FLEXIBLE DUCTWORK DETAIL
NOT TO SCALE

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING FOR REVIEW PURPOSES ONLY
PRELIMINARY FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL 410 DENIM DRIVE, ERWIN, NC 28339
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

SYMBOL | DESCRIPTION | DATE | BY

PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339
SHEET: MECHANICAL DETAILS

M5

ELECTRICAL LEGEND

	DUPLEX RECEPTACLE; MOUNT AT 18" A.F.F.
TR	DUPLEX RECEPTACLE; MOUNT AT 18" A.F.F.; TAMPER RESISTANT
GFCI	DUPLEX RECEPTACLE; GROUND FAULT CIRCUIT INTERRUPTER
WP/GFCI	DUPLEX RECEPTACLE; WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER
	QUAD RECEPTACLE; MOUNT AT 18" A.F.F.
	2 POLE 208/240V RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED RECEPTACLE
	SINGLE POLE POWER/LIGHTING HOMERUN
	2-POLE POWER HOMERUN
	3-POLE POWER HOMERUN (3 PHASE)
	WALL MOUNTED VOICE OUTLET
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED VOICE/DATA OUTLET
	CEILING MOUNTED VOICE/DATA OUTLET
TC	TIMECLOCK
TV	TELEVISION OUTLET
	DISCONNECT
J	JUNCTION BOX
	POWER PANEL
$	SWITCH
$3	3-WAY SWITCH
$D	SWITCH WITH DIMMER
OS D	OCCUPANCY SENSOR WITH DIMMABLE MANUAL OVERRIDE
	LAY-IN/SURFACE MOUNTED LED LIGHT FIXTURE
	LAY-IN/SURFACE MOUNTED LED; NIGHT LIGHT
	PENDANT LIGHT
	CAN LIGHT
	EMERGENCY LIGHT
EXIT	EXIT/EMERGENCY COMBO
EXIT	EXIT LIGHT
	REMOTE HEAD FOR EXIT LIGHTING
	EXTERIOR MOUNTED WALL PACK
CAM	CCTV/SECURITY CAMERA SYSTEM
CR	CARD READER / KEY CARD ACCESS
DS	DOOR STATION / VIDEO PHONE
PA	PANIC ALARM
FA-R	FIRE ALARM RELEASE. DOOR LOCK SHALL RELEASE UPON ACTIVATION OF FIRE ALARM

ELECTRICAL NOTES:

ALL WORK SHALL BE IN ACCORDANCE WITH 2020 NEC.

WIRE AND CABLE SHALL BE INSULATED, TYPE THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTOR SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED.

ROMEX CAN NOT BE USED IN THIS PROJECT. MC CAN BE USED.

EMT SHALL BE GALVANIZED STEEL TUBING 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUNITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS. MC CABLE MAY BE SUBSTITUTED FOR CONDUIT RACEWAYS WHERE PERMITTED BY THE CODE, AND APPROVED BY OWNER

PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM, NONMETALLIC, HEAVY DUTY, POLYVINYLCHORIDE (PVC), TYPE I WILL BE USED FOR CONCRETE ENCASEMENT, FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH OF 72 INCHES FOR LIGHTING, AND 36 INCHES FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUID TIGHT OR WATER TIGHT WITH PVC JACKET WHERE USED IN DAMP, WET, OR OUTSIDE AREAS, AND LIQUID TIGHT OR WATER TIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TELEPHONE OUTLETS ARE TO BE MOUNTED BACK TO BACK. KEEP AT LEAST 1 1/2 INCHES BETWEEN RECEPTACLES AND TELEPHONE OUTLETS.

ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA REQUIREMENTS. FEEDERS SHALL BE ALUMINUM WHERE NOTED.

THE ELECTRICAL CONTRACTOR SHALL ALIGN ALL FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS, ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. FOLLOW THE REFLECTED CEILING PLAN IF PROVIDED

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS, FIXTURES, CONDUIT, AND ETC. FOR THIS PROJECT; THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT THAT WILL BE ACTUALLY INSTALLED. RECOMPUTE WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION FOR USE WITH ACTUAL EQUIPMENT.

ALL LIGHT SWITCHES, RECEPTACLES, WALL PLATES, TELEPHONE/COMPUTER OUTLET BOXES, AND, CABLE OUTLET BOXES SHALL BE WHITE.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED IN HIS CONTRACT AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE ELECTRICAL CONTRACTORS EXPENSE.

THE ELECTRICAL CONTRACTOR SHALL REFER TO THE DRAWINGS FOR FLOOR PLAN AND BUILDING ELEVATION DIMENSIONS.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:
1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE ELECTRICAL CONTRACTOR TO ORGANIZE HIS CONDUIT, WIRE, AND CABLE RUNS IN ATTIC SPACES AND ABOVE CEILINGS. MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS. FREE RUNS OF PHONE, TELEVISION, SECURITY, ALARM, AND OTHER CABLES IS NOT ACCEPTABLE.

ALL DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AND ETC. SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

WHERE EQUIPMENT PENETRATES EXTERIOR WALLS OR ROOF, THEY SHALL BE PROPERLY SEALED.

EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND ELECTRICAL WIRING BY THE ELECTRICAL CONTRACTOR.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT, SWITCHES, PANELS, ETC. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.

THE ELECTRICAL CONTRACTOR IS NOT TO SCALE THE DRAWINGS FOR RECEPTACLES AND LIGHT FIXTURES TO BE INSTALLED. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY TO SHOW GENERAL LOCATION. THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF RECEPTACLES AND LIGHT FIXTURES WITH THE GENERAL CONTRACTOR AND/OR CASEWORK DRAWINGS.

ALL LIGHT SWITCHES AND RECEPTACLES SHALL BE RATED FOR 20 AMP UNLESS NOTED OTHERWISE.

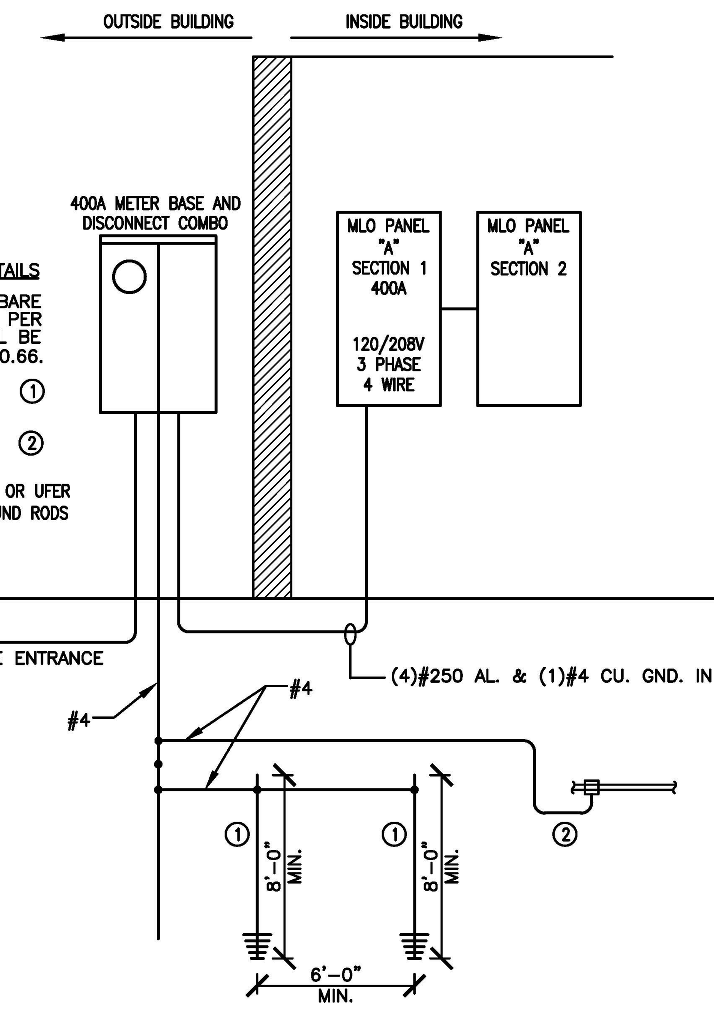
GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #4 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC 250.50, 250.52 AND 250.53. CONDUCTORS SHALL BE SIZED PER 250.66 AND TABLE 250.66.

(2) 3/4"x8' LONG COPPER CLAD GROUNDING RODS W/ #6 COPPER GROUND. ①

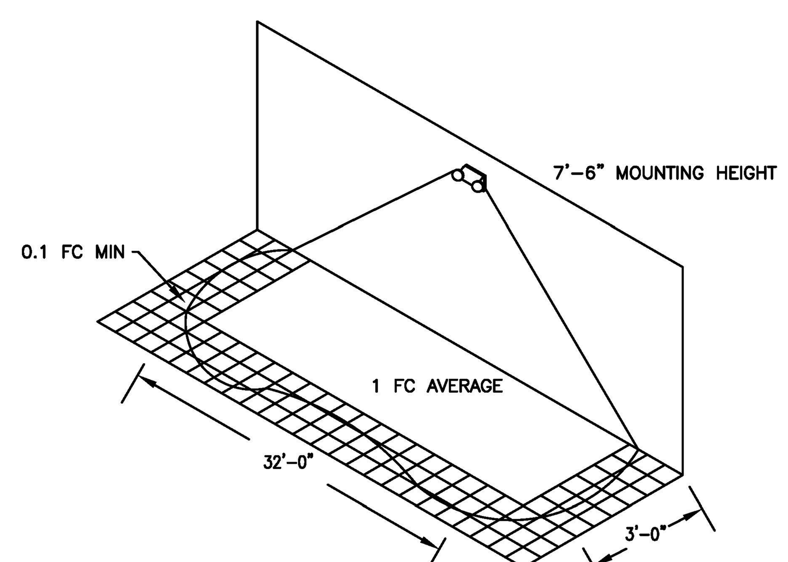
#4 COPPER GROUND CONNECTED TO METAL WATER PIPE ②

***NOTE: IF NO QUALIFYING BUILDING STEEL, WATER PIPE, OR UFER (CONCRETE-ENCASED) EXISTS, PROVIDE TWO DRIVEN GROUND RODS MINIMUMS 6'-0" APART, BONDED PER NEC 250.53 (A)



POWER RISER DIAGRAM

NOT TO SCALE



ASSUMES OPEN SPACE WITH NO OBSTRUCTIONS, MOUNTING HEIGHT; 7'-6"; 10'-0" CEILING HEIGHT, AND REFLECTANCES 80/50/20

EMERGENCY LIGHT FIXTURE PERFORMANCE MODEL: LITHONIA ELM4L

MOUNTING HEIGHT	ILLUMINATION LEVEL	SINGLE LUMINAIRE COVERAGE: 3' PATH OF EGRESS	SINGLE LUMINAIRE COVERAGE: 6' PATH OF EGRESS	MULTIPLE LUMINAIRE SPACING: 3' PATH OF EGRESS	MULTIPLE LUMINAIRE SPACING: 6' PATH OF EGRESS
7'-6"	1FC AVG	62'	58'	67'	60'
10'	1FC AVG	62'	58'	67'	60'

WALL MOUNTED EMERGENCY LIGHT

NOT TO SCALE

APPENDIX B ELECTRICAL DESIGN
2018 BUILDING CODE SUMMARY

PROJECT NAME: GOOD HOPE BEHAVIORAL URGENT CARE

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE:
ENERGY CODE: X PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE

LIGHTING SCHEDULE (EACH FIXTURE TYPE)
- LAMP TYPE REQUIRED IN FIXTURE LED
- NUMBER OF LAMPS IN FIXTURE (SEE FIXTURE SCHEDULE)
- BALLAST TYPE USED IN THE FIXTURE ELECTRONIC
- NUMBER OF BALLASTS IN FIXTURE 1
- TOTAL WATTAGE PER FIXTURE VARIES PER FIXTURE
- TOTAL INTERIOR WATTAGE SPECIFIED VERSUS ALLOWED (SPACE) 5,860 ALLOWED - 2,270 SPECIFIED
- TOTAL EXTERIOR WATTAGE SPECIFIED VERSUS ALLOWED N/A

SECTION C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS

C406.1 BUILDINGS SHALL HAVE AT LEAST ONE OF THE FOLLOWING PRESCRIPTIVE COMPLIANCE (REQUIRED FOR NEW BUILDINGS, OPTIONAL FOR EXISTING BUILDINGS)

1. MORE EFFICIENT MECHANICAL EQUIPMENT PER C406.2
2. REDUCED LIGHTING POWER DENSITY PER C406.3
3. ENHANCED LIGHTING CONTROL SYSTEMS PER C406.4
4. ON-SITE SUPPLY OF RENEWABLE ENERGY PER C406.5
5. DEDICATED OUTDOOR AIR SYSTEM PER C406.6
6. HIGHER EFFICIENCY SERVICE WATER HEATING PER C406.7

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE 2018 NC ENERGY CONSERVATION CODE.

SIGNED: Buddy Jenkins
NAME: BUDDY JENKINS
TITLE: PROFESSIONAL ENGINEER

PANEL "A" SECTION 1

PHASE: 3 | WIRE: 4 | VOLTS: 208/120 | MAIN: 400A MLO
TYPE: NEMA 1 | MOUNTING: SURFACE | ENCLOSURE:
SHORT CIRCUIT RATING: 22 kA RMS SYM.
X GROUND TERMINAL BAR | X NEUTRAL TERMINAL BAR

A	B	C	DESCRIPTION	CKT. TYPE	WIRE SIZE	CKT. BKR. TRIP	CKT. NO.	CKT. NO.	CKT. BKR. TRIP	WIRE SIZE	CKT. TYPE	DESCRIPTION	A	B	C
1.10			RECEPT-INTAKE 1 & RRs	R	#12	20/1	1	2	20/1	#12	R	RECEPT-TELEHEALTH OFFICES	0.92		
	0.92		RECEPT-FRONT DESK 102	R	#12	20/1	3	4	20/1	#12	R	RECEPT-KID PRIVATE ROOMS		1.47	
		0.92	RECEPT-INTAKE 2 & RRs	R	#12	20/1	5	6	20/1	#12	R	RECEPT-CHAIR ROOMS			1.10
1.28			RECEPT-OFFICE 104 & 105	R	#12	20/1	7	8	20/1	#12	R	RECEPT-NURSE STATION	0.74		
	1.47		RECEPT-OFFICE 106 & 108	R	#12	20/1	9	10	20/1	#12	R	RECEPT-NURSE STATION		1.10	
		0.55	RECEPT- RR 107A & 117A	R	#12	20/1	11	12	20/1	#12	R	RECEPT-NURSE COUNTER			0.55
0.74			RECEPT-KITCHEN COUNTER	R	#12	20/1	13	14	20/1	#12	R	RECEPT-NURSE COUNTER	0.55		
	0.55		RECEPT- STAFF RESTROOMS	R	#12	20/1	15	16	20/1	#12	R	RECEPT-CONFERENCE ROOM		0.92	
		1.10	RECEPT- OFFICE 124 & 125	R	#12	20/1	17	18	20/1	#12	R	RECEPT-WORK ROOM			0.55
0.74			RECEPT- OFFICE 128	R	#12	20/1	19	20	20/1	#12	E	DRINKING FOUNTAIN	0.50		
	0.37		RECEPT- BREAKROOM	R	#12	20/1	21	22	20/1	#12	R	RECEPT-BREAKROOM COUNTER		0.55	
		0.37	RECEPT- RISER ROOM	R	#12	20/1	23	24	20/1	#12	E	BREAKROOM MICROWAVE			1.00
0.60			CLOTH WASHER	E	#12	20/1	25	26	20/1 GFCI	#12	C	BREAKROOM FRIDGE	0.50		
	2.50		CLOTHES DRYER	E	#10	30/2 GFCI	27	28	20/1	#12	C	LIGHTING - FRONT SIDE		0.52	
		2.50					29	30	20/1	#12	C	LIGHTING - REAR SIDE			0.75
0.64			ATTIC LIGHT + RECEPT	R	#12	20/1	31	32	20/1	#12	C	LIGHTING - NURSE AREA	0.35		
	0.75		IT UPS SYSTEM	E	#12	20/2	33	34	20/1	#12	C	LIGHTING - RIGHT WING AREA		0.45	
		0.75					35	36	20/1	#12	C	LIGHTING - EXTERIOR WALLPACK			0.20
1.00			IT RECEPT	C	#12	20/1	37	38	20/1	#12	C	WH-1 RECIR. PUMP	0.72		
	0.50		SPARE FOR FIRE ALARM	C	#12	20/1	39	40	20/1	#12	C	WH-2 RECIR. PUMP		0.00	
		0.50	WARMING KITCHEN FRIDGE	C	#12	20/1 GFCI	41	42	20/1	#12	C	CRAWLSPACE LIGHT + RECEPT.			1.47
0.50			WARMING KITCHEN FREEZER	C	#12	20/1 GFCI	43	44					0.00		
	0.00						45	46						0.00	
		0.00					47	48							0.00
0.00							49	50					0.00		
	0.00						51	52						0.00	
		0.00					53	54							0.00

PANEL "A" SECTION 2

A	B	C	DESCRIPTION	CKT. TYPE	WIRE SIZE	CKT. BKR. TRIP	CKT. NO.	CKT. NO.	CKT. BKR. TRIP	WIRE SIZE	CKT. TYPE	DESCRIPTION	A	B	C
2.16			HP-1	H	#10	30/3	55	56	45/3	#8	H	AHU-1	5.16		
	2.16						57	58						5.16	
		2.16					59	60							5.16
2.16			HP-2	H	#10	30/3	61	62	45/3	#8	H	AHU-2	5.16		
	2.16						63	64						5.16	
		2.16					65	66							5.16
2.16			HP-3	H	#10	30/3	67	68	45/3	#8	H	AHU-3	5.16		
	2.16						69	70						5.16	
		2.16					71	72							5.16
1.92			WH-1	E	#12	20/3	73	74	20/3	#12	H	WH-2	1.44		
	1.92						75	76						1.44	
		1.92					77	78							1.44
1.25			IT CLOSET MINI-SPLIT	H	#10	25/2	79	80					0.00		
	1.25						81	82						0.00	
		0.00					83	84							0.00
0.00							85	86					0.00		
	0.00						97	88						0.00	
		0.00					89	90							0.00
0.00							91	92					0.00		
	0.00						93	94						0.00	
		0.00					96	96							0.00
0.00							97	98					0.00		
	0.00						99	100						0.00	
		0.00					101	102							0.00
0.00							103	104					0.00		
	0.00						105	106						0.00	
		0.00					107	108							0.00
16.25	16.71	15.09	SUB-TOTAL (KVA)									SUB-TOTAL (VA)	21.20	21.93	22.54

H-HVAC LOAD | C-CONTINUOUS LOAD | TOTAL CONNECTED LOAD = 113.72 KVA
K-KITCHEN LOAD | N-NON CONTINUOUS LOAD | TOTAL AMPS = 315.65 A
E-ESTIMATED LOAD | R-RECEPTACLE LOAD | TOTAL OF: 108 SPACES

TOTAL CONNECTED LOAD SUMMARY

ITEM	CONNECTED LOAD (KVA)			ESTIMATED LOAD (KVA)
HVAC	68.38	@ 100%	=	68.38
LIGHTING	4.38	@ 125%	=	5.48
RECEPTACLES	18.56	(T-10.00*.60+10.00)	=	15.14
MISC. EQUIPMENT	22.40	@ 60%	=	13.44
TOTAL CONNECTED	113.72 KVA	315.65 AMPS		
ESTIMATED DEMAND	102.44 KVA	284.35 AMPS		

AVAILABLE FAULT CURRENT

UTILITY FAULT @ 208 VOLTS = 150 KVA XFMR 27,800 AMPS
(2 RUNS) #250 KCMIL ALUMINUM @ 100 FEET TO DISCONNECT AT SERVICE ENTRANCE
L-L FAULT CURRENT = 14,633 AMPS
L-N FAULT CURRENT = 8,324 AMPS

#250 ALUMINUM @ 40 FEET TO PANEL (SHORTEST RUN)
L-L FAULT CURRENT = 12,302 AMPS
L-N FAULT CURRENT = 7,014 AMPS

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [X] FOR CONSTRUCTION

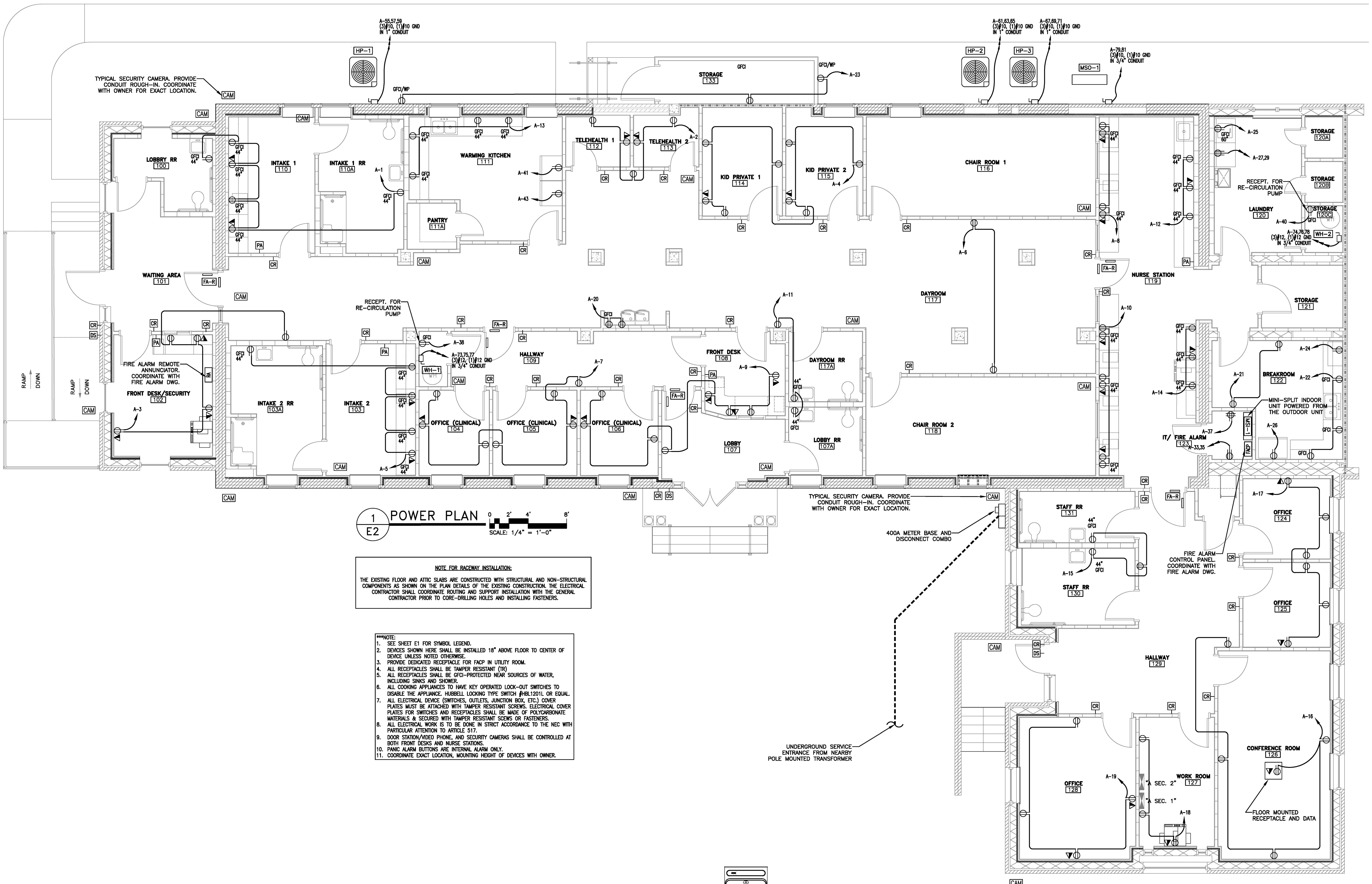
OWNER/TENANT: GOOD HOPE HOSPITAL, 410 DENIM DRIVE, ERWIN, NC 28339
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC., 100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: ELECTRICAL RISERS & NOTES

E1



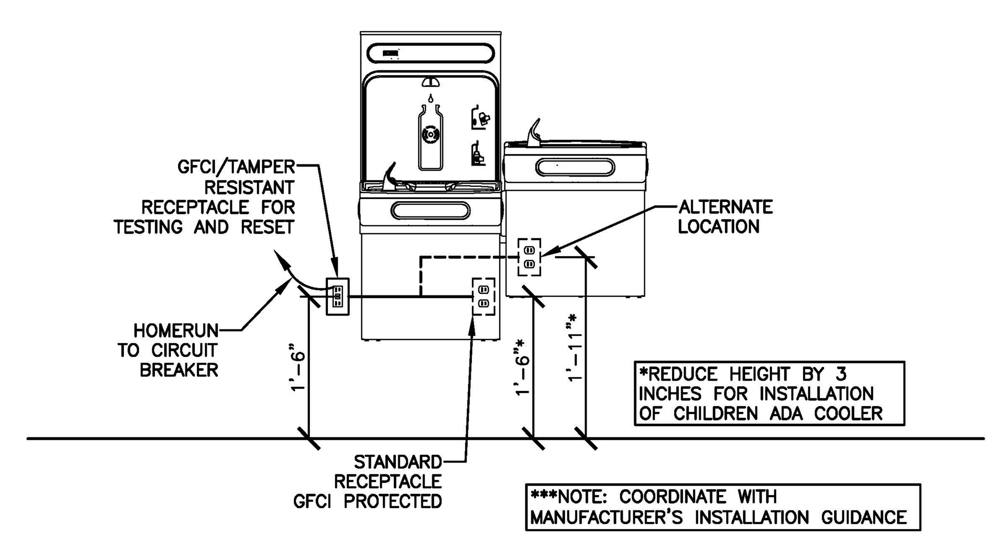
1 / E2 POWER PLAN

SCALE: 1/4" = 1'-0"

NOTE FOR RACEWAY INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

***NOTE:
1. SEE SHEET E1 FOR SYMBOL LEGEND.
2. DEVICES SHOWN HERE SHALL BE INSTALLED 18" ABOVE FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
3. PROVIDE DEDICATED RECEPTACLE FOR FACP IN UTILITY ROOM.
4. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TR)
5. ALL RECEPTACLES SHALL BE GFCI-PROTECTED NEAR SOURCES OF WATER, INCLUDING SINKS AND SHOWER.
6. ALL COOKING APPLIANCES TO HAVE KEY OPERATED LOCK-OUT SWITCHES TO DISABLE THE APPLIANCE. HUBBELL LOCKING TYPE SWITCH #HBL1201L OR EQUAL.
7. ALL ELECTRICAL DEVICE (SWITCHES, OUTLETS, JUNCTION BOX, ETC.) COVER PLATES MUST BE ATTACHED WITH TAMPER RESISTANT SCREWS. ELECTRICAL COVER PLATES FOR SWITCHES AND RECEPTACLES SHALL BE MADE OF POLYCARBONATE MATERIALS & SECURED WITH TAMPER RESISTANT SCEWS OR FASTENERS.
8. ALL ELECTRICAL WORK IS TO BE DONE IN STRICT ACCORDANCE TO THE NEC WITH PARTICULAR ATTENTION TO ARTICLE 517.
9. DOOR STATION/VIDEO PHONE, AND SECURITY CAMERAS SHALL BE CONTROLLED AT BOTH FRONT DESKS AND NURSE STATIONS.
10. PANIC ALARM BUTTONS ARE INTERNAL ALARM ONLY.
11. COORDINATE EXACT LOCATION, MOUNTING HEIGHT OF DEVICES WITH OWNER.



HI-LOW DRINKING FOUNTAIN WIRING DETAIL

NOT TO SCALE

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

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OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 MCARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
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25 JULY 2025

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PROJECT #: 2025-01-16
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GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

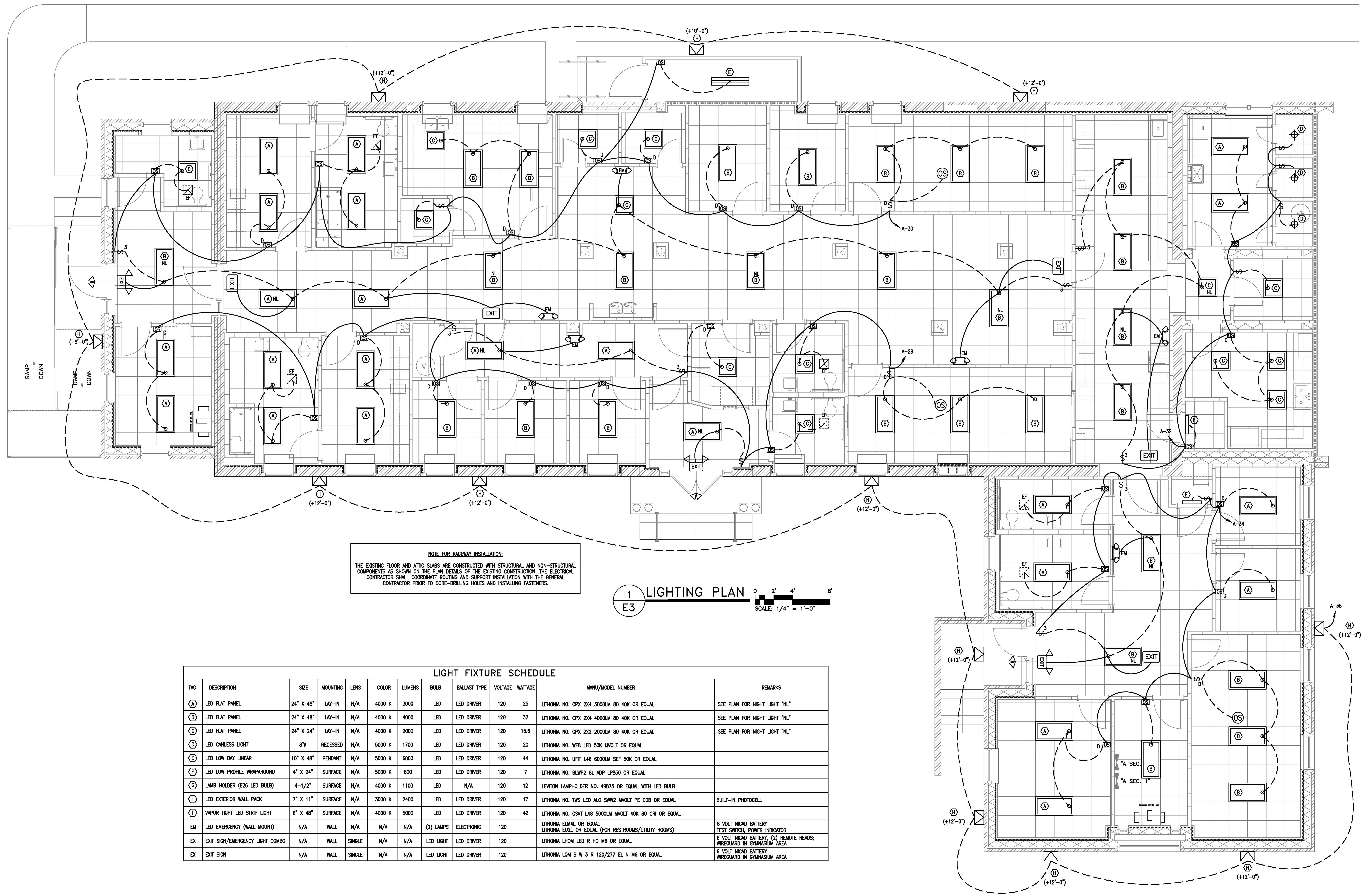
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-		-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ELECTRICAL – POWER PLAN & LOW VOLTAGE

E2



NOTE FOR RACEWAY INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

1 E3 LIGHTING PLAN

SCALE: 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	SIZE	MOUNTING	LENS	COLOR	LUMENS	BULB	BALLAST TYPE	VOLTAGE	WATTAGE	MANU/MODEL NUMBER	REMARKS
A	LED FLAT PANEL	24" X 48"	LAY-IN	N/A	4000 K	3000	LED	LED DRIVER	120	25	LITHONIA NO. CPX 2X4 3000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
B	LED FLAT PANEL	24" X 48"	LAY-IN	N/A	4000 K	4000	LED	LED DRIVER	120	37	LITHONIA NO. CPX 2X4 4000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
C	LED FLAT PANEL	24" X 24"	LAY-IN	N/A	4000 K	2000	LED	LED DRIVER	120	15.6	LITHONIA NO. CPX 2X2 2000LM 80 40K OR EQUAL	SEE PLAN FOR NIGHT LIGHT "NL"
D	LED CANLESS LIGHT	8"ø	RECESSED	N/A	5000 K	1700	LED	LED DRIVER	120	20	LITHONIA NO. WF8 LED 50K MVOLT OR EQUAL	
E	LED LOW BAY LINEAR	10" X 48"	PENDANT	N/A	5000 K	6000	LED	LED DRIVER	120	44	LITHONIA NO. UFIT L46 6000LM SEF 50K OR EQUAL	
F	LED LOW PROFILE WRAPAROUND	4" X 24"	SURFACE	N/A	5000 K	800	LED	LED DRIVER	120	7	LITHONIA NO. BLWP2 8L ADP LP850 OR EQUAL	
G	LAMB HOLDER (E26 LED BULB)	4-1/2"	SURFACE	N/A	4000 K	1100	LED	N/A	120	12	LEVITON LAMPHOLDER NO. 49875 OR EQUAL WITH LED BULB	
H	LED EXTERIOR WALL PACK	7" X 11"	SURFACE	N/A	3000 K	2400	LED	LED DRIVER	120	17	LITHONIA NO. TWS LED ALO SWW2 MVOLT PE DDB OR EQUAL	BUILT-IN PHOTOCELL
I	VAPOR TIGHT LED STRIP LIGHT	6" X 48"	SURFACE	N/A	4000 K	5000	LED	LED DRIVER	120	42	LITHONIA NO. CSVT L48 5000LM MVOLT 40K 80 CRI OR EQUAL	
EM	LED EMERGENCY (WALL MOUNT)	N/A	WALL	N/A	N/A	N/A	(2) LAMPS	ELECTRONIC	120		LITHONIA ELM4L OR EQUAL LITHONIA EU2L OR EQUAL (FOR RESTROOMS/UTILITY ROOMS)	6 VOLT NICAD BATTERY TEST SWITCH, POWER INDICATOR
EX	EXIT SIGN/EMERGENCY LIGHT COMBO	N/A	WALL	SINGLE	N/A	N/A	LED LIGHT	LED DRIVER	120		LITHONIA LHQM LED R HO M6 OR EQUAL	6 VOLT NICAD BATTERY, (2) REMOTE HEADS; WIREGUARD IN GYMNASIUM AREA
EX	EXIT SIGN	N/A	WALL	SINGLE	N/A	N/A	LED LIGHT	LED DRIVER	120		LITHONIA LQM S W 3 R 120/277 EL N M6 OR EQUAL	6 VOLT NICAD BATTERY WIREGUARD IN GYMNASIUM AREA

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

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NORTH CAROLINA CORPORATION NUMBER C-3070
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NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

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410 DENIM DRIVE, ERWIN, NC 28339

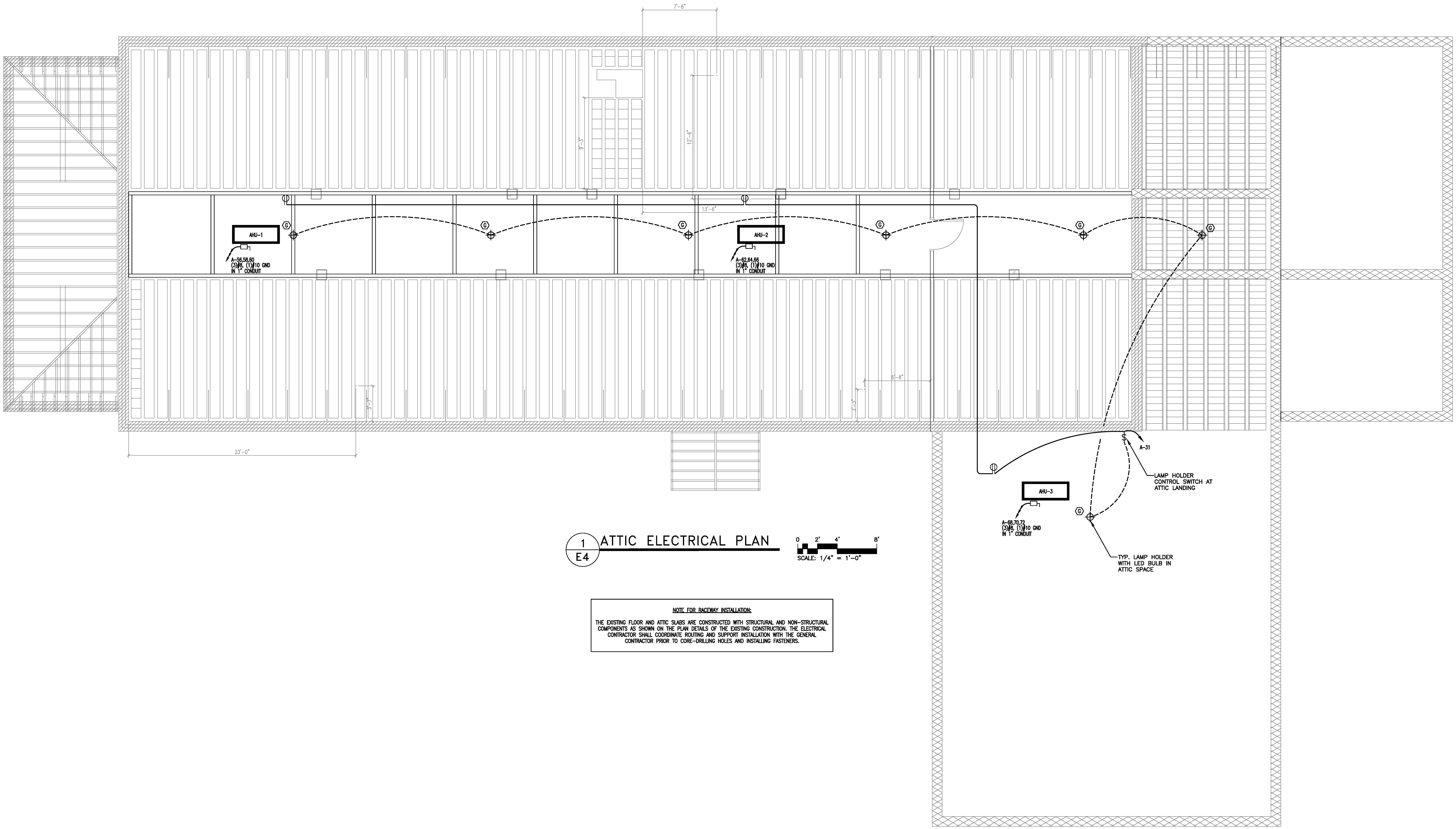
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
1	-	-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ELECTRICAL – LIGHTING PLAN

E3



1 / E4 ATTIC ELECTRICAL PLAN

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

NOTE FOR RACEWAY INSTALLATION:

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JENKINS CONSULTING ENGINEERS, PA

PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

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DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
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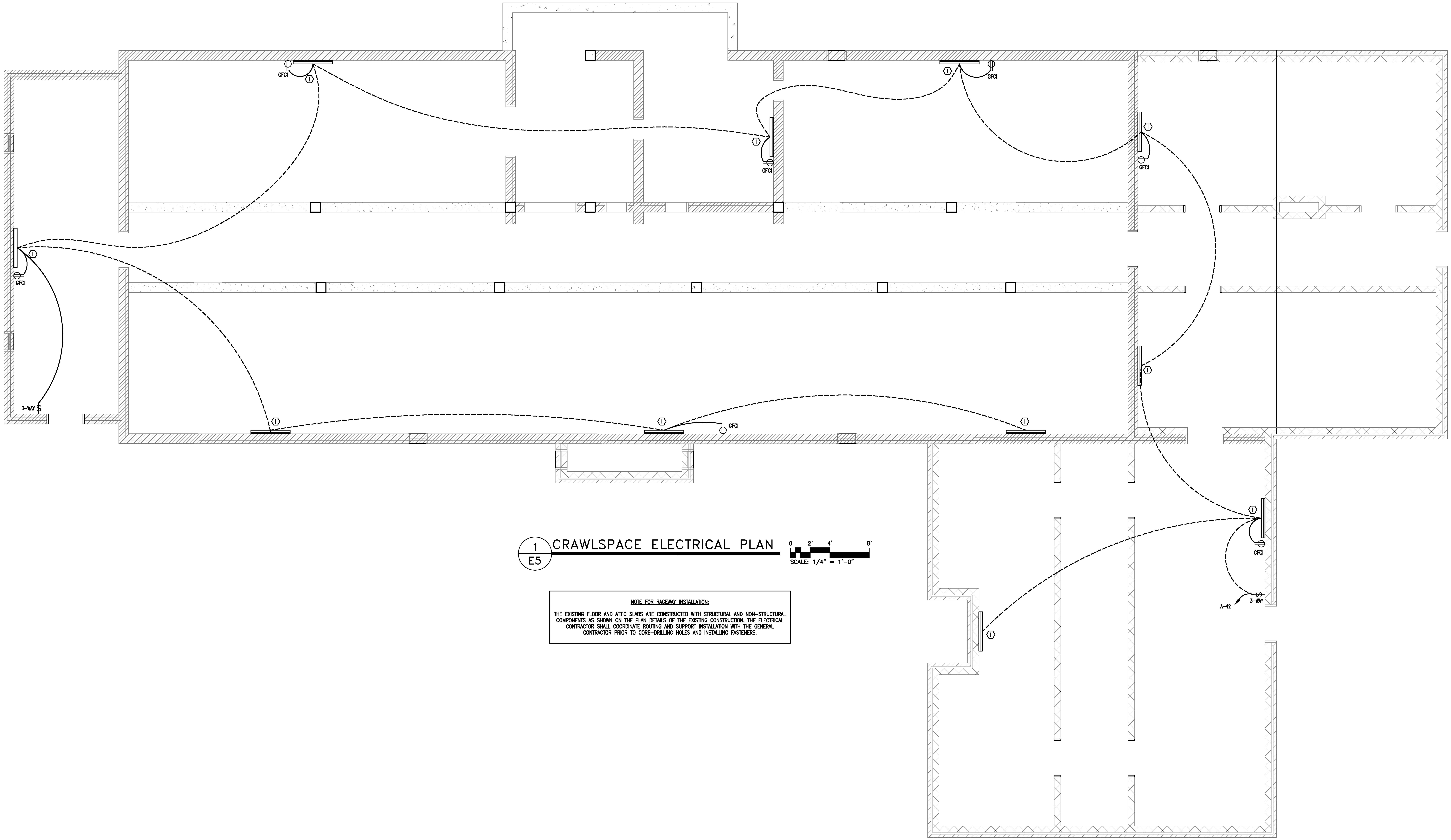
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
		-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ELECTRICAL - ATTIC SPACE

E4



1 / E5 CRAWLSPACE ELECTRICAL PLAN

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

NOTE FOR RACEWAY INSTALLATION:

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NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA

DESIGNED/CHECKED BY:	BJ
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

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410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
	-	-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ELECTRICAL - CRAWLSPACE

E5

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL #	FIXTURE DESCRIPTION	FIXTURE MOUNTING	ACCESSORIES	SUPPLY	WASTE	VENT	ELECTRICAL	REMARKS	NOTES
P1	AMERICAN STANDARD	3043.102	ADA ELONGATED WATER CLOSET	FLOOR MOUNTED	SLOAN ROYAL III	1" C.W.	3"	2"		PROVIDE WITH OPEN FRONT SEAT WITH NO LID. 1.6 GPF	①
P2	WHITEHALL	WH3775-3373	ADA LAVATORY	WALL MOUNTED	SUPPLY; MCGUIRE 175 SENSOR FAUCET; BEHAVIORAL SAFETY PRODUCT SF-390	1/2" C.W. & H.W.	2"	1-1/4"	120V HARD WIRE	DRAIN: ODDBALL SP-11-GDK MIXING VALVE: APOLLO 34B MOUNT AT ADA HEIGHT. LIGATURE RESISTANT	
P3	ELKAY	BCR15	BAR SINK; HANDICAPPED	COUNTER TOP	FAUCET; T&S BRASS B-2866-05 CUP STRAINER; ELKAY CTXBG118	1/2" C.W. & H.W.	1-1/2"	1-1/2"		SUPPLY; MCGUIRE LF2165 MIXING VALVE: APOLLO 34B PROVIDE OFFSET TAILPIECE INSULATE TRAP	
P4	ELDAY	GE233214	KITCHEN SINK; HANDICAPPED	COUNTER TOP	FAUCET; CFG-CA47513B	1/2" C.W. & H.W.	1-1/2"	1-1/2"		SUPPLY; MCGUIRE 165 MIXING VALVE: APOLLO 34B INSULATE TRAP	
P5	SPECIALTY PRODUCTS	OB-351 PVC / OBFS-2020 FIRE-RESISTANT	REFRIGERATOR BOX	WALL MOUNTED		1/2" C.W.				SHUT-OFF VALVE & THREADED C.W. CONNECTION. PROVIDE F.R. MODEL WHEN IN RATED WALL	
P6	TUGGED TUB	G32GK1	SERVICE SINK	FLOOR MOUNTED	TWO HANDLES; GLACIER BAY HD67849-0A01	3/4" C.W. & H.W.	3"	1-1/2"		PROVIDE MOP HANGER, HOSE, HOSE BRACKET, AND VACUUM BREAKER	
P7	SPECIALTY PRODUCTS	OB-351 PVC	WASHER WALL BOX	WALL MOUNTED	–	3/4" C.W. & H.W.	3-1/2"	1-1/2"		SHUT-OFF VALVES & HOSE CONNECTION FOR WASTE	
P8	FREEDOM SHOWER	APF6232BF5PR	ADA ROLL-IN SHOWER 62X32 (RIGHT DRAIN)	FLOOR/WALL MOUNTED	MIXING VALVE-APFMVLS; 3 JET HANHELD SHOWER KIT W/ SHOWER ARM MOUNT + PORTER #APFHGHSKIT	1/2" C.W & H.W.	3"	1-1/2"		PROVIDE FOLDING SHOWER SEAT, CAULKLESS DRAIN, GRAB BARS, SHOWER ROD AND CURTAIN.	
P9	NOT USED										
P10	ELKAY	LZSTL8WSLK	HI-LO DRINKING FOUNTAIN W/ BOTTLE FILLER	WALL MOUNTED	–	1/2" C.W. & H.W.	–	–	115V	–	
WH-1	AO SMITH	DEL-50-6	50 GALLON WATER HEATER, 6 kW	EQUIPMENT STAND	3/4" T & P RELIEF VALVE PROVIDE DRAIN PAN	3/4" CW & H.W.	–	–	208V, 16A, 3ø	SET WATER TEMPERATURE TO 140°F. PROVIDE THERMO MIXING VALVE.	
WH-2	AO SMITH	DEL-40-4.5	40 GALLON WATER HEATER, 4.5 kW	EQUIPMENT STAND	3/4" T & P RELIEF VALVE PROVIDE DRAIN PAN	3/4" CW & H.W.	–	–	208V, 12A, 3ø	SET WATER TEMPERATURE TO 140°F. PROVIDE THERMO MIXING VALVE.	
GCO	J.R. SMITH	4240	GRADE CLEAN-OUT	GRADE						CAST IRON	
WCO	J.R. SMITH	4472	WALL CLEAN-OUT	WALL MOUNTED						CAST IRON	
RP-1	BELL & GOSSETT	SERIES PR	RECIRC PUMP						1/6 HP, 115V, 1ø	CAST IRON	
FD	J.R. SMITH	2010	SQUARE TOP FLOOR DRAIN	FLOOR MOUNTED			3"			PROVIDE WITH TRAP PRIMER CONNECTION WHEN HB IS NOT SHOWN	⑥
FFD	J.R. SMITH	3510C	FUNNEL FLOOR DRAIN	FLOOR MOUNTED			3"			PROVIDE WITH TRAP PRIMER	⑥
MV-1	BRADLEY	S59.2025-R-S-T-B-P	THERMOSTATIC MIXING VALVE	WALL MOUNTED		3/4" CW & H.W.				SELECTED MODEL OR EQUAL. SEE DETAIL BELOW	

NOTES:

① PROVIDE ALL TOILETS WITH FLUSH CONTROL ON OPEN SIDE OF TOILET
② SHOWER HOSE SHALL BE QUICK-RELEASE TYPE AND FAUCET SHALL BE SET UP TO ACCEPT BOTH HOSE AND FIXED POSITION SHOWER HEAD
③ PROVIDE WITH LIGATURE RESISTANT DIVERTER VALVE. MOUNT FIXED SPRAYER (WHITEHALL WHCSH16) SO THAT SPRAY IS DIRECTED TO SEAT WALL AND NOT AT SHOWER CURTAIN
④ CERAMIC SURROUND BY G.C.
⑤ NOT USED
⑥ TRAP PRIMER FROM NEAREST WATER SUPPLY. PROVIDE ACCESS.

DRAINAGE CALCULATIONS

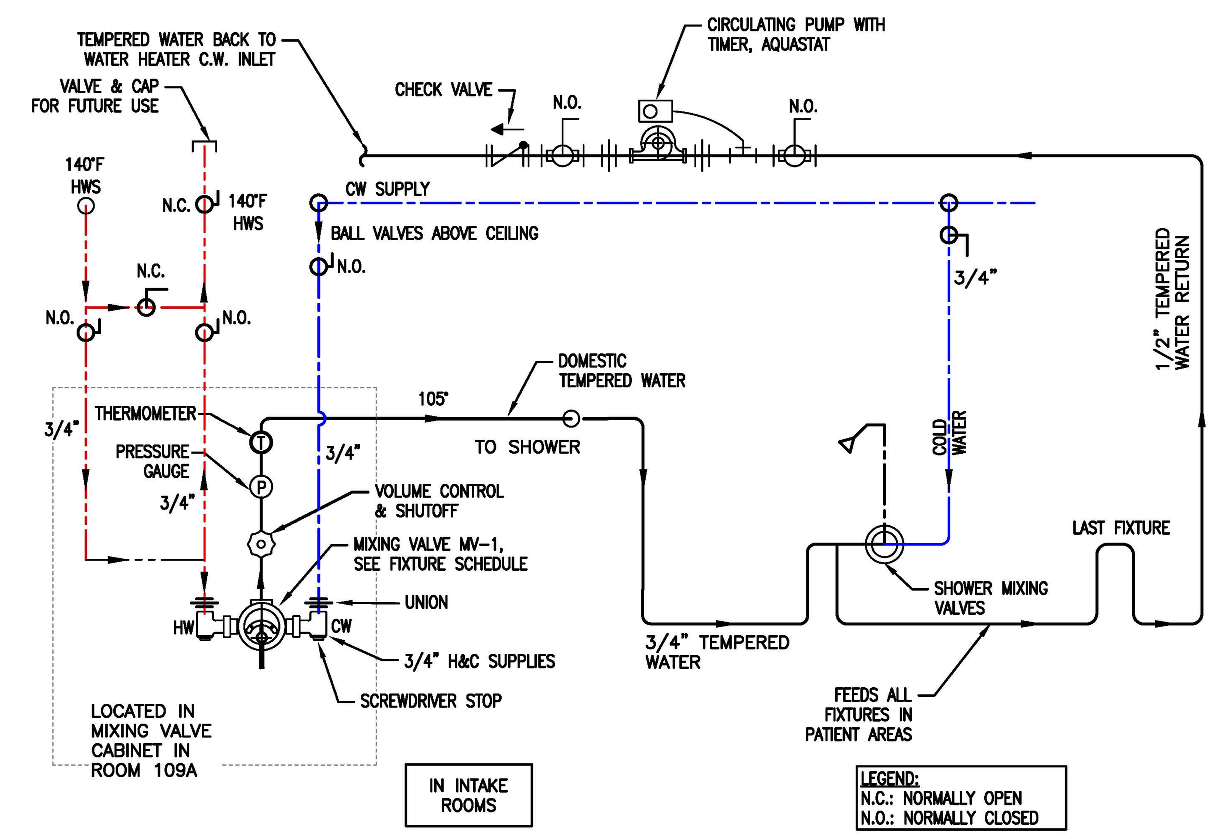
QTY.	ITEM	DRAINAGE FIXTURE UNITS	DRAINAGE FIXTURE UNITS TOTAL
1	UTILITY SINK	2.0	2.0
7	WATER CLOSET	4.0	28.0
7	LAVATORY	1.0	7.0
2	DRINKING FOUNTAIN	0.5	1.0
2	SHOWER	2.0	4.0
2	KITCHEN SINK	2.0	4.0
1	HAND SINK	2.0	2.0
1	WASHING MACHINE	3.0	3.0
2	FLOOR DRAIN	2.0	4.0
	TOTAL DRAINAGE FIXTURE UNITS		55.0

WATER CALCULATIONS

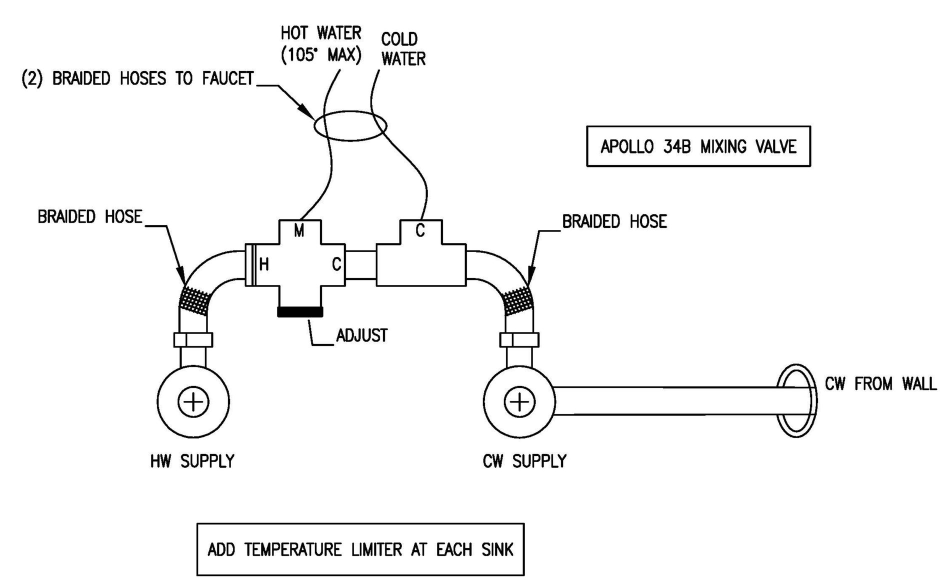
QTY.	ITEM	C.W. FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS EACH	WATER SUPPLY FIXTURE UNITS TOTAL
1	UTILITY SINK	2.25	3.0	3.0
7	WATER CLOSET	10.0	10.0	70.0
7	LAVATORY	1.5	2.0	14.0
2	DRINKING FOUNTAIN	0.25	0.25	0.5
2	SHOWER	1.0	1.4	2.8
2	KITCHEN SINK	1.0	1.4	2.8
1	HAND SINK	0.5	0.7	0.7
1	WASHING MACHINE	2.25	3.0	3.0
	TOTAL WATER SUPPLY FIXTURE UNITS			96.8

PLUMING SYMBOL LEGEND

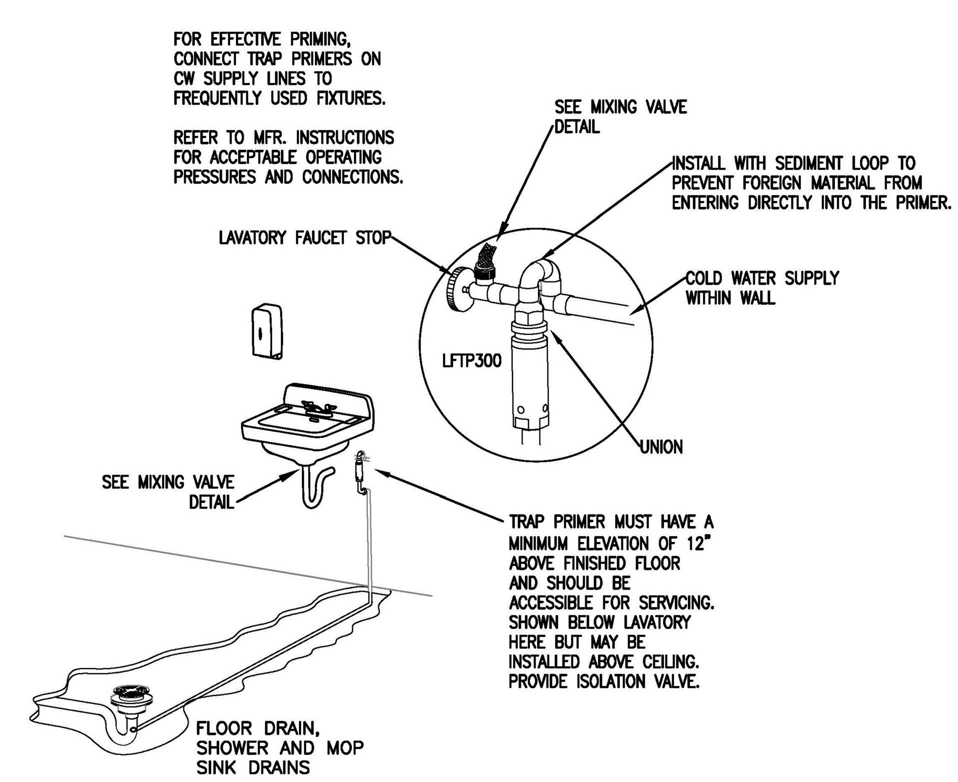
SYMBOL	DESCRIPTION
——-——-——-	HOT WATER LINE
——--——--——	COLD WATER LINE
O	PIPE TURNS UP
C	PIPE TURNS DOWN
(valve)	SHUT OFF VALVE
————	SANITARY WASTE
– – – – – –	VENT LINE



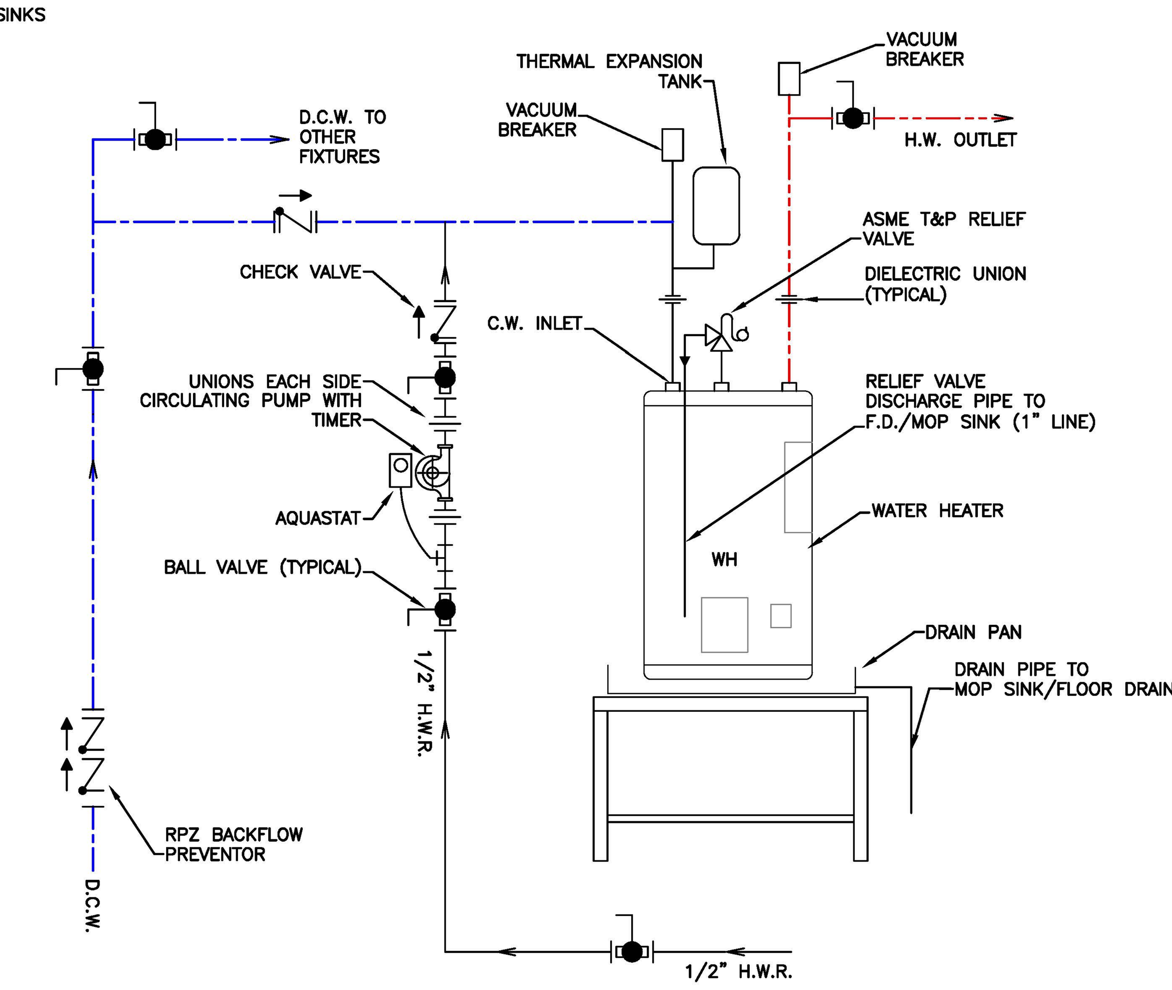
1 P1 SHOWER MIXING VALVE & CIRCULATION DIAGRAM
NOT TO SCALE INSTALLED WITHIN MECHANICAL ROOM FOR BOTH SHOWERS & HAND SINKS



4 P1 HAND SINK MIXING VALVE
NOT TO SCALE



3 P1 TRAP PRIMER DETAIL
NOT TO SCALE



2 P1 WATER HEATER RISER DIAGRAM
NOT TO SCALE

PLUMBING GENERAL NOTES:

PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION AND LOCAL CODES.

ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE GENERAL CONTRACTOR AND OWNER TO SUIT THE OWNER'S OPERATING CONDITIONS.

PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE GENERAL CONTRACTOR OF ANY DEVIANCIES FROM THE CONTRACT DRAWINGS PRIOR TO STARTING ANY WORK.

THE PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:
1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE PLUMBING CONTRACTOR TO ORGANIZE HIS PIPING IN ATTIC SPACES, CRAWL SPACES, AND ABOVE CEILINGS. MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS IF POSSIBLE. FREE RUNS OF PIPING IS NOT ACCEPTABLE.

THE PLUMBING CONTRACTOR SHALL LAY OUT AND INSTALL HIS WORK IN ADVANCE OF POURING CONCRETE FLOORS OR WALLS. HE SHALL FURNISH ALL SLEEVES TO THE GENERAL CONTRACTOR FOR OPENINGS THROUGH POURED MASONRY FLOORS, OR WALLS, ABOVE GRADE REQUIRED FOR PASSAGE OF ALL PIPES TO SUPPORT HIS EQUIPMENT.

HORIZONTAL DRAINAGE AND WASTE PIPE SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8 INCH PER FOOT. ALL CHANGE OF HORIZONTAL DIRECTIONS IN SOIL WASTE PIPE SHALL BE MADE WITH LONG RADIUS FITTINGS WITH "Y" BRANCHES AND 1/8 OR 1/16 BENDS.

COLD AND HOT WATER PIPING ABOVE GRADE SHALL CAN BE CAN BE PEX PIPING (WITH OWNERS APPROVAL).

ALL HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

SANITARY HORIZONTAL WASTE, VENT PIPING, AND FITTINGS ABOVE GRADE SHALL BE SCHEDULE 40 PVC-DWV PIPE-CELLULAR CORE FROM CHARLOTTE PIPE AND FOUNDRY COMPANY OR APPROVED EQUAL, AND MUST MEET OR EXCEED THE REQUIREMENTS OF ASTM F-891, NSF STANDARD NO. 14, AND IAPMO UPC.

ALL WASTE STACK PIPING SHALL BE CAST IRON AND INSULATED FOR SOUND IN WALLS.

ALL WASTE AND STORM PIPING ABOVE CEILING, VERTICAL CHASES, WALLS SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE. NO INSULATION REQUIRED IN CRAWL SPACE OR BELOW FLOOR SLAB OF ANY WASTE AND STORM PIPING.

IN LIEU OF FIBERGLASS INSULATION, THE PLUMBING CONTRACTOR IS ALLOWED TO USE CLOSED CELL INSULATION, 1/2 INCH THICK ARMSTRONG/ARMAFLEX II ON ALL COLD WATER PIPES. RIGID URETHANE FOAM INSULATION, 1 INCH THICK ARMSTRONG/ARMALOK II ON ALL HOT WATER PIPING.

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

ALL FIXTURES, DRAINS, TRAPS, ETC. SHALL BE SET PLUMB AND LEVEL.

ALL HANDICAPPED FIXTURES AND TRIM SHALL BE INSTALLED IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION.

CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT EACH WALL PENETRATION.

ESCUTCHEONS SHALL BE CHROME PLATED, SPRING TYPE, ON ALL PIPES PASSING THROUGH WALLS AND CEILINGS IN FINISHED AREAS. FLOOR ESCUTCHEONS SHALL BE CAST BRASS, CHROME PLATED, WITH SET SCREW.

ESCUTCHEONS SHALL BE OF SUFFICIENT SIZE TO COVER OUTSIDE DIAMETER OF THE PIPE OR THE INSULATION OF THE PIPE.

FLASHING FOR VENTS THROUGH THE ROOF SHALL BE TWO-PIECE TYPE, 16 OUNCE COPPER COUNTER FLASHING AND BASE FLASHING, OR A TWO-PIECE TYPE, 4 POUND LEAD COUNTER FLASHING AND BASE FLASHING. THE BASE FLASHING SHALL BE INSTALLED BY THE GENERAL CONTRACTOR WITH THE ROOF SYSTEM.

VENT FLASHING SHALL EXTEND DOWN AT LEAST 4 INCHES FROM THE TOP OF THE PIPE. FLASHING SHALL EXTEND AT LEAST 12 INCHES IN ALL DIRECTIONS FROM THE PIPE AND SHALL BE PARALLEL TO THE ROOF LINE.

ALL EQUIPMENT AND INSTALLED MATERIALS SHALL BE THOROUGHLY CLEAN AND FREE OF ALL DIRT, OIL, GRIT, GREASE, AND ETC.

ALL PLUMBING SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING FROM THE OWNER.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, P.A.
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA

25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

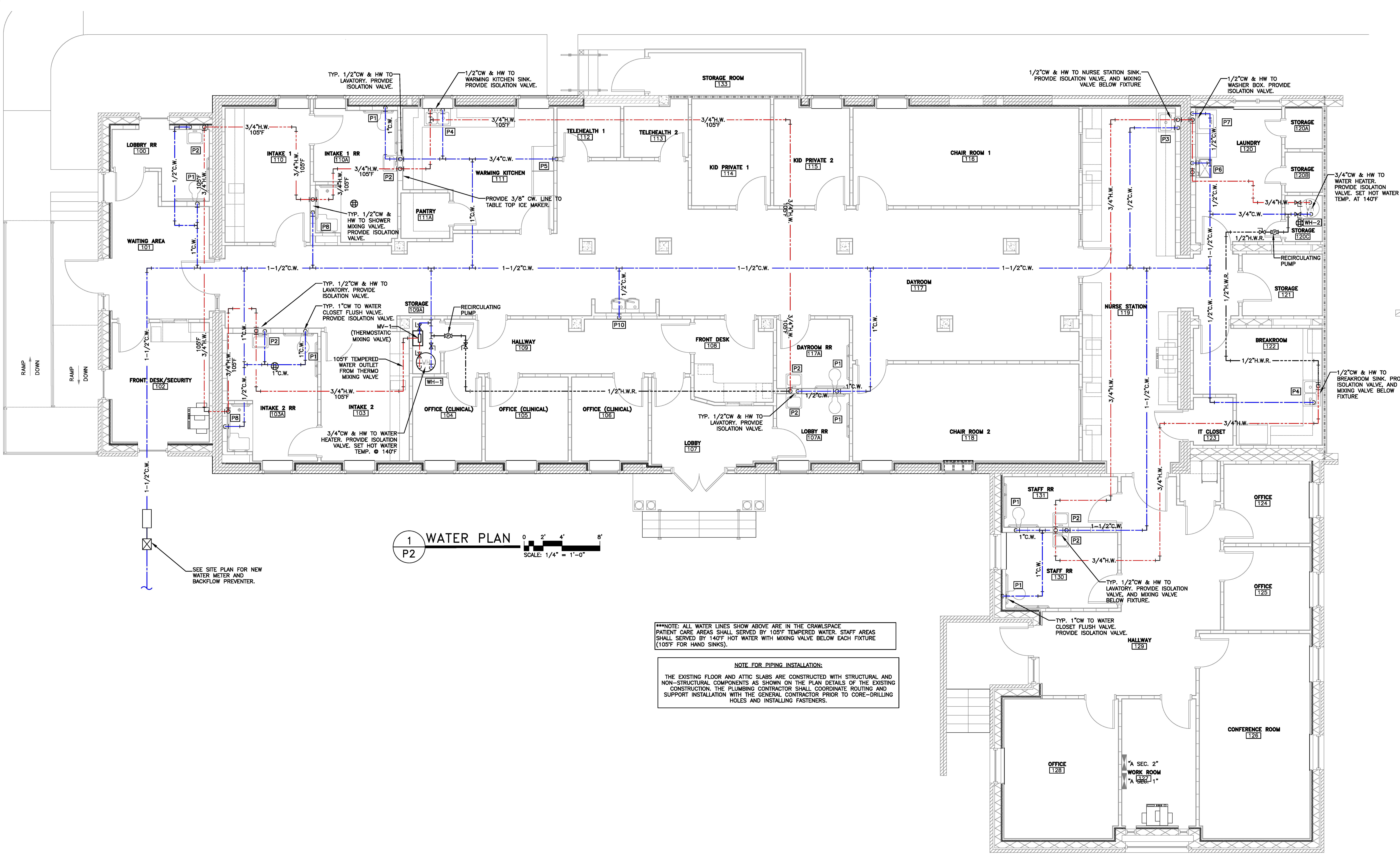
FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT: GOOD HOPE HOSPITAL, 410 DENIM DRIVE, ERWIN, NC 28339
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC. 100 TILGHMAN DRIVE, DUNN, NC 28334

PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: PLUMBING NOTES

P1



1 / P2 WATER PLAN

SCALE: 1/4" = 1'-0"

***NOTE: ALL WATER LINES SHOW ABOVE ARE IN THE CRAWLSPACE
PATIENT CARE AREAS SHALL SERVED BY 105°F TEMPERED WATER. STAFF AREAS SHALL SERVED BY 140°F HOT WATER WITH MIXING VALVE BELOW EACH FIXTURE (105°F FOR HAND SINKS).

NOTE FOR PIPING INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE PLUMBING CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

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OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

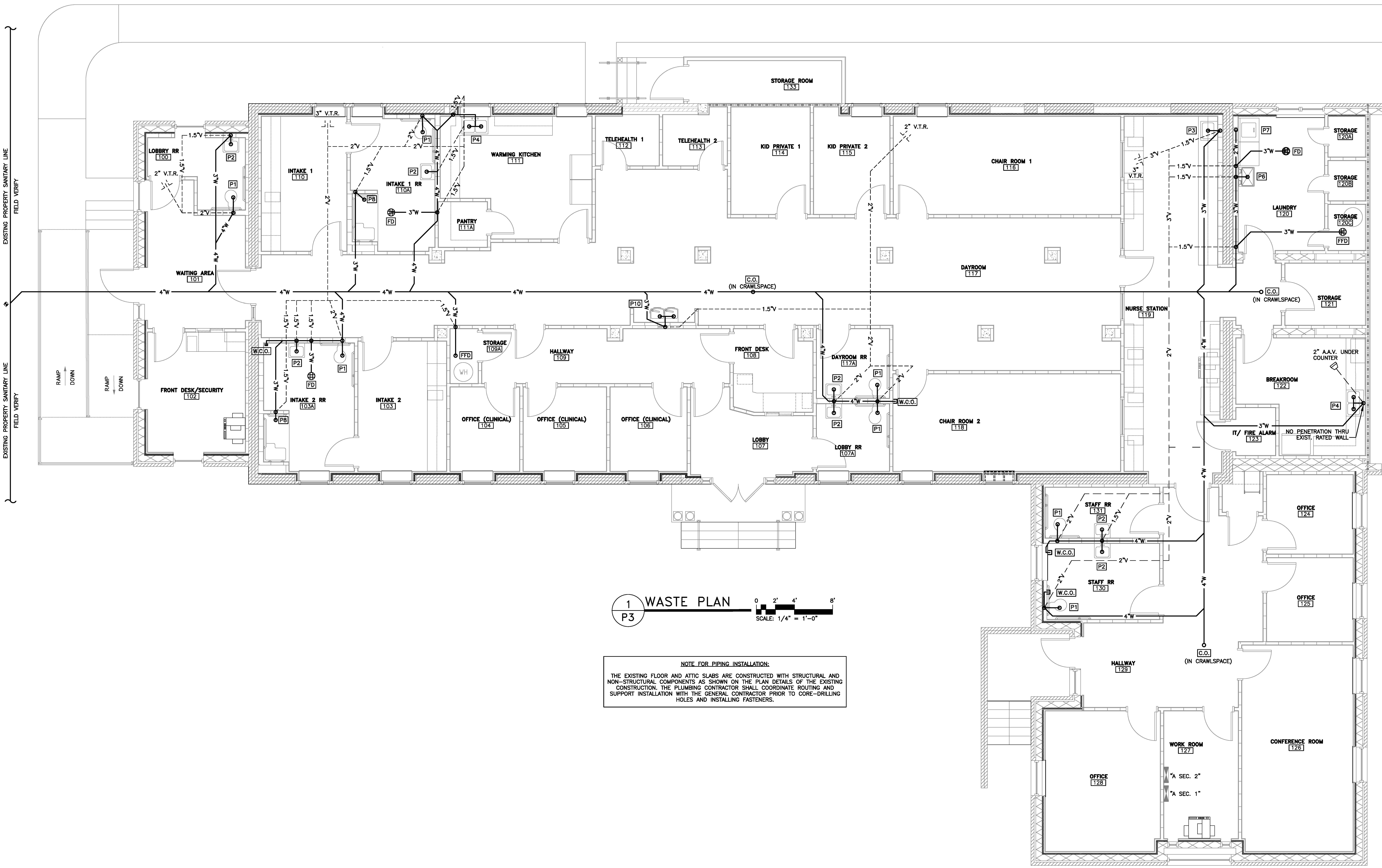
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
0	-	-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
PLUMBING - WATER PLAN

P2



1
P3
WASTE PLAN
SCALE: 1/4" = 1'-0"

NOTE FOR PIPING INSTALLATION:

THE EXISTING FLOOR AND ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NON-STRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE PLUMBING CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907
NORTH CAROLINA PROFESSIONAL SEAL C-3070 CORPORATION JENKINS CONSULTING ENGINEERS, PA
NORTH CAROLINA PROFESSIONAL SEAL 28803 ENGINEER DOUGLAS L. "BUDDY" JENKINS
25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: TS,SAN,GD,BT,JC,JDL
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

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OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

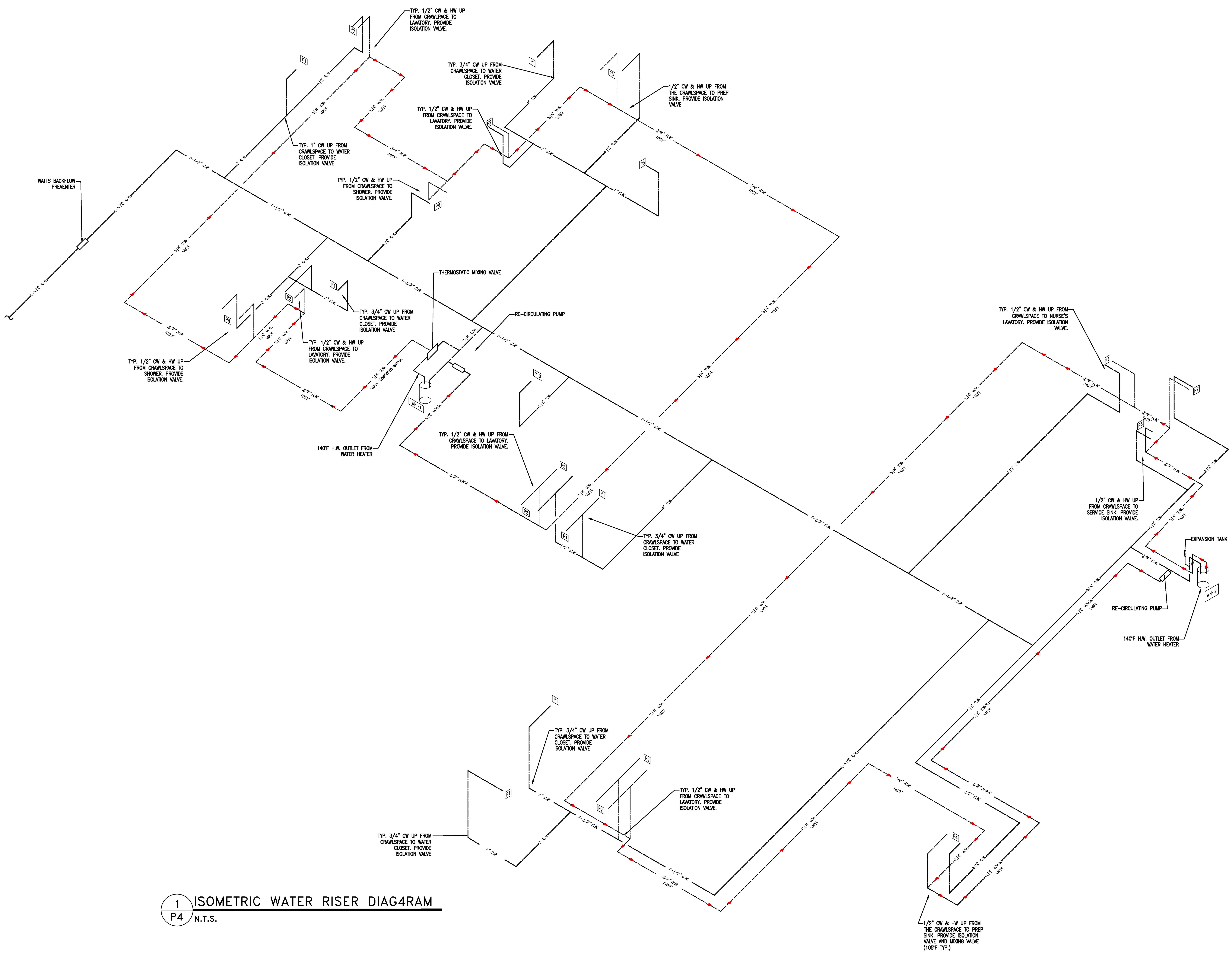
CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-		-	-

PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
PLUMBING - WASTE PLAN

P3



1 P4 ISOMETRIC WATER RISER DIAG4RAM
N.T.S.

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

25 JULY 2025

DESIGNED/CHECKED BY: BJ
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SYMBOL	DESCRIPTION	DATE	BY
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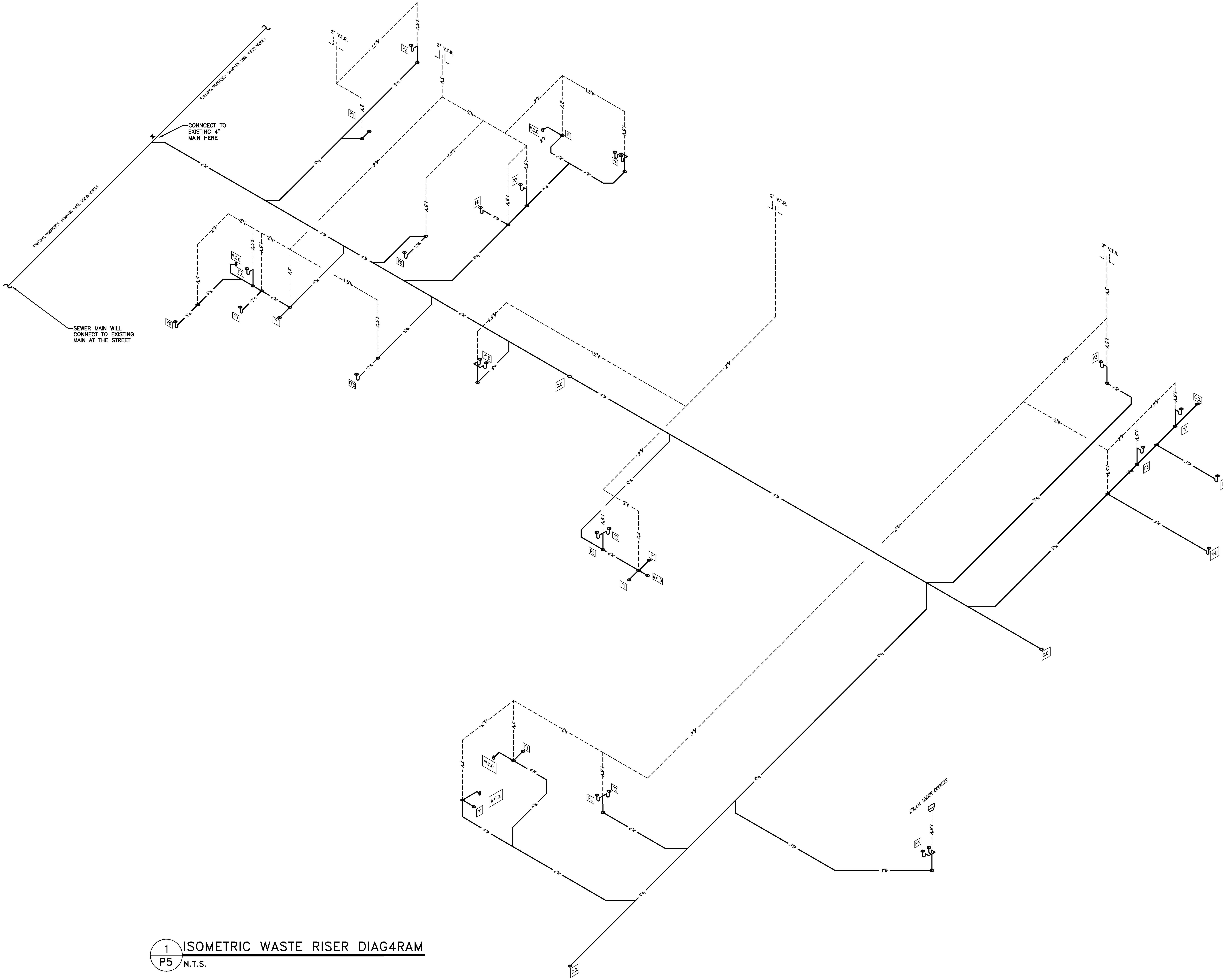
PROJECT:
GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
ISOMETRIC WATER RISER DIAG4RAM

P4



1 P5 ISOMETRIC WASTE RISER DIAG4RAM
N.T.S.

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JENKINS CONSULTING ENGINEERS, PA

25 JULY 2025

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SYMBOL	DESCRIPTION	DATE	BY
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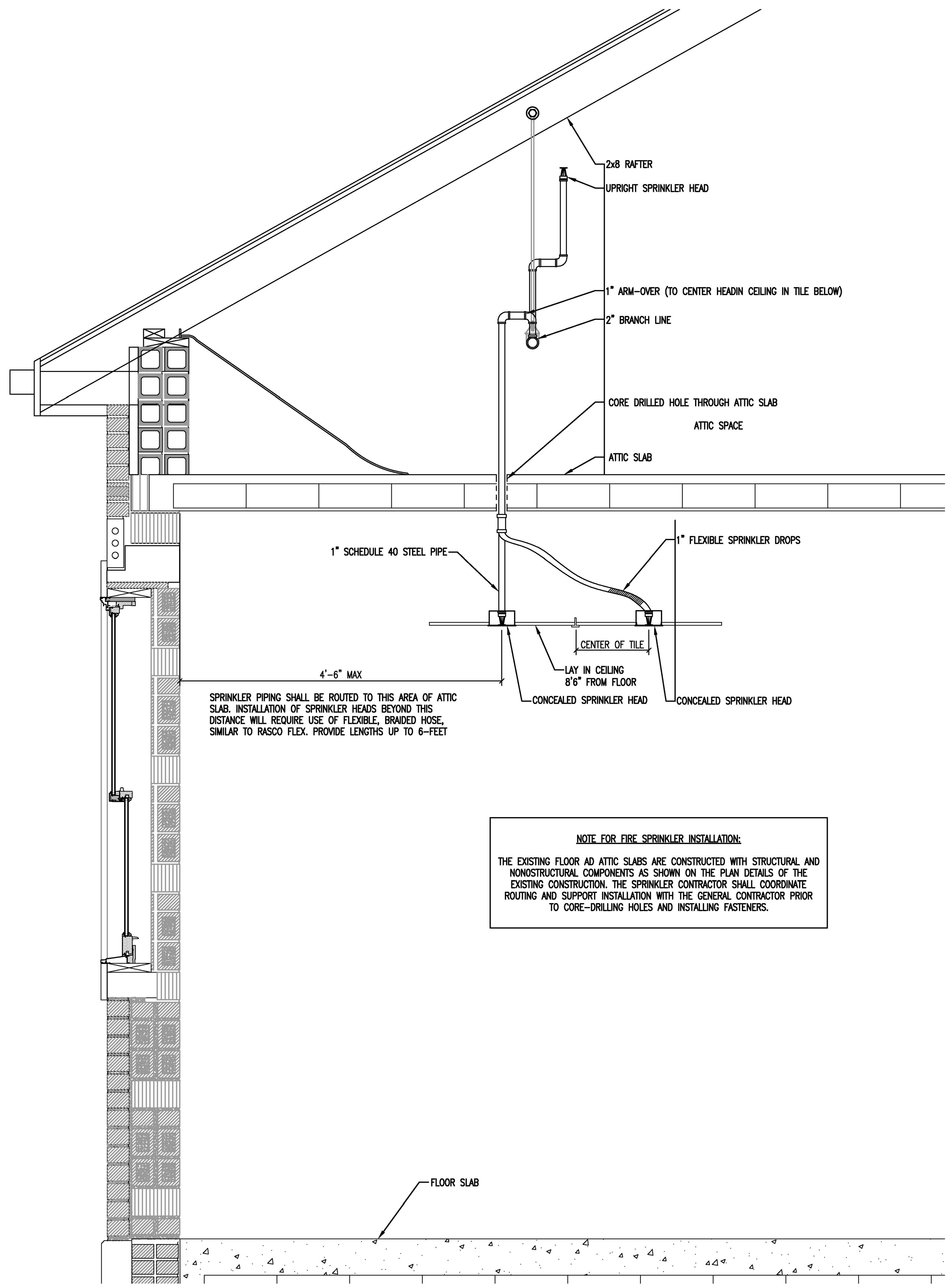
PROJECT: GOOD HOPE BEHAVIORAL HOSPITAL RENOVATION
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: ISOMETRIC WASTE RISER DIAG4RAM

P5



NOTE FOR FIRE SPRINKLER INSTALLATION:

THE EXISTING FLOOR AD ATTIC SLABS ARE CONSTRUCTED WITH STRUCTURAL AND NONSTRUCTURAL COMPONENTS AS SHOWN ON THE PLAN DETAILS OF THE EXISTING CONSTRUCTION. THE SPRINKLER CONTRACTOR SHALL COORDINATE ROUTING AND SUPPORT INSTALLATION WITH THE GENERAL CONTRACTOR PRIOR TO CORE-DRILLING HOLES AND INSTALLING FASTENERS.

1 / FP-1 — TYPICAL PIPE ROUTING

SCALE: 1" = 1'-0"

FIRE PROTECTION DESIGN CRITERIA:

1. DISCLAIMER: THE FIRE PROTECTION SYSTEM IS EXEMPT FROM PROFESSIONAL ENGINEERING SERVICES AND THESE DRAWINGS PROVIDE THE MINIMUM SYSTEM REQUIREMENTS EXPECTED TO BE INSTALLED BY THE CONTRACTOR AND PERMITTED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
2. POINT OF SERVICE: THE FIRE LINE IS SHOWN ON THE CIVIL UTILITY PLAN.
3. THE INSTALLATION OF THE FIRE PROTECTION SPRINKLER SYSTEMS SHALL COMPLY WITH NFPA-13-2016 AND NFPA 24-2016 AND ALL APPLICABLE CODES, STANDARDS, AND ORDINANCES INCLUDING THE REQUIREMENTS OF THE STATE AND LOCAL FIRE MARSHALS.
4. THE SPRINKLER SYSTEM SHALL BE EQUIPPED WITH TAMPER SWITCHES ON THE CONTROL VALVES AND WATER FLOW SWITCHES ON THE RISER ASSEMBLIES.
5. SEE CIVIL DRAWINGS BACKFLOW PREVENTION AND METERING SPECIFICATIONS AND DETAILS. THE PRESSURE DROPS THROUGH THESE DEVICES SHALL BE CONSIDERED IN HYDRAULIC CALCULATIONS.
6. ALL INTERIOR FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PER NFPA 13. ALL EXTERIOR CANOPY FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PER NFPA 24.
7. A FIRE PUMP IS NOT REQUIRED IN THIS BUILDING.
8. A FIREWATER STORAGE TANK IS NOT REQUIRED.
9. FIRE SPRINKLER SYSTEM SHALL BE TESTED PER NFPA-13, NFPA-24, AND STATE AND LOCAL REQUIREMENTS.

FIRE PROTECTION SPECIFICATION:

1. CONTRACTOR SHALL GUARANTEE INSTALLATION AGAINST DEFECTS IN WORKMANSHIP, EQUIPMENT AND MATERIAL FURNISHED ON PROJECT FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
2. SUBMIT FOR APPROVAL THE NUMBER OF SHOP DRAWINGS AND MANUFACTURER'S LITERATURE ON ALL MATERIALS AS REQUIRED TO THE ENGINEER OR OWNER'S REPRESENTATIVE.
3. SUBMIT DRAWINGS AND CALCULATIONS TO THE STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE PREMISES AT AND ADJACENT TO PROPOSED WORK. VERIFY PIPE SIZES, LOCATION OF EXISTING COMPONENTS, AND SUITABILITY OF THE EXISTING SYSTEMS TO MEET THE HYDRAULIC CALCULATIONS PRIOR TO BID.
5. DRAWINGS ARE DIAGRAMMATIC AND INTEND TO SHOW APPROXIMATE LOCATIONS. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND COORDINATE WITH OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. INSTALL ALL WORK WITHOUT CONFLICT WITH OTHER TRADES AND MAKE MINOR ALTERATIONS AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLING ANY PIPE.
6. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO PURCHASING EQUIPMENT. ALL EQUIPMENT SHALL BE U.L. AND NEMA APPROVED.
7. MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ALL ELECTRICAL PANELS AND 1'-0" ON EITHER SIDE OF ELECTRICAL PANEL TO STRUCTURE. ALL PIPING SHALL BE ROUTED AROUND THIS AREA.
8. ALL HORIZONTAL AND VERTICAL PIPING SHALL SUPPORTED IN ACCORDANCE WITH NFPA 13 AND STATE AND LOCATION REQUIREMENTS. SUPPORTS SHALL SECURELY HOLD PIPING, PREVENT VIBRATION, COMPENSATE FOR STATIC AND OPERATIONAL CONDITIONS OF THE VARIOUS SYSTEMS, AND SHALL NOT BE SUBJECT TO ELECTROLYTIC ACTION.
9. ALL SPRINKLER SYSTEM MATERIALS INSTALLED SHALL BE U.L. LISTED OR FACTORY MUTUAL APPROVED FOR FIRE PROTECTION USE.
10. CONTROL VALVES SHALL BE SLOW CLOSING INDICATING VALVES LISTED FOR FIRE PROTECTION USE. EACH CONTROL SHALL HAVE A SUPERVISORY SWITCH.
11. SPRINKLER PIPING PENETRATING FIRE RATED WALLS/ASSEMBLIES SHALL BE SLEEVED AND CAULKED TO MEET U.L. LISTED ASSEMBLY FOR RATING OF WALL.
12. CONTRACTOR SHALL FLUSH WATER SYSTEM AFTER MODIFICATIONS PER REQUIREMENTS OF NFPA 24.
13. SPRINKLER HEADS SHALL BE RELIABLE, CENTRAL, VIKING OR EQUAL.
14. ALL SPRINKLER HEADS LOCATED IN A.C.T. CEILING SHALL BE CHROME PLATED SEMI-RECESSED PENDANT TYPE WITH TEMPERATURE RATING AS CONDITIONS DICTATE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN IN FURRED SPACES, CHASES, ETC. TO COMPLETELY CONCEAL ALL PIPING.
15. ALL SPRINKLER HEADS LOCATED IN GYPSUM CEILINGS SHALL BE CHROME PLATED CONCEALED PEDANT TYPE WITH TEMPERATURE RATINGS AS CONDITIONS DICTATE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN IN FURRED IN SPACES, CHASES, ETC. TO COMPLETELY CONCEAL ALL PIPING. THE FINISH OF THE COVER PLATE SHALL BE WHITE.
16. ALL SPRINKLER HEADS IN AREAS WITHOUT FINISHED CEILING SHALL BE BRASS UPRIGHT HEADS WITH TEMPERATURE RATING AS CONDITIONS DICTATE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN EXPOSED AND PAINTED TO MATCH EXPOSED CEILING COLOR.
17. THE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF PIPING AND HEADS WITH LIGHT FIXTURES, DIFFUSERS, DUCTWORK, PLUMBING LINES, ETC. AND MAKE MINOR ADJUSTMENTS IN THE SPRINKLER LAYOUT WHERE REQUIRED OR DEEMED NECESSARY BY THE ENGINEER.
18. THE SPRINKLER CONTRACTOR SHALL OBTAIN A RECENT FLOW TEST FROM THE LOCAL WATER AUTHORITY.
19. THE SPRINKLER CONTRACTOR MAY USE FLEXIBLE STEEL BRAIDED HOSE ASSEMBLY EQUAL TO FLEXHEAD INDUSTRIES (U.L. LISTED) IN LIEU OF HARD PIPE RETURN BENDS AT ALL LOCATIONS WITH CEILING. INSTALL FLEXIBLE STEEL BRAIDED HOSE ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
20. TWO PIECE EXTENDED ESCUTCHEONS USED TO EXTEND THE DISTANCE BETWEEN THE SPRINKLER HEAD DEFLECTOR PLATE AND THE CEILING SHALL NOT BE INSTALLED. NO EXCEPTIONS.
21. MODIFICATIONS TO THE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13.
22. ALL SPRINKLER HEAD IN GYMNASIUM AND WALKING TRACK AREA SHALL BE PROTECTED BY HEAD GUARD.
23. ALL SPRINKLER IN UNCONDITIONED (UNHEATED) SPACES SHALL BY PROTECTED BY AN-TI FREEZE LOOP OR A DRY-PIPE EXTENSION.

BUILDING SUMMARY AND SCOPE OF WORK:

THE BUILDING CONSTRUCTION TYPE IS TYPE II-B ACCORDING TO 2018 NORTH CAROLINA BUILDING CODE

BUILDING AREA GROSS SQUARE FEET: 44,560

BUILDING WILL BE PROTECTED BY FIRE SPRINKLERS

EXISTING SCHOOL BUILDINGS IS PROTECTED BY A FIRE ALARM SYSTEM AT THIS TIME. COORDINATE NEW EQUIPMENT AND CONNECT TO EXISTING SYSTEM.

BUILDING USE IS EDUCATION (E), SCHOOL.

THIS DRAWING INCLUDES A BUILDING FLOOR PLAN THAT WAS FIELD VERIFIED AND PREPARED BY JENKINS CONSULTING ENGINEERS. THIS DRAWING SHOWS THE LOCATION OF NEW FIRE ALARM EQUIPMENT AND DEVICES.

THE FACILITY IS PROTECTED BY A SECURITY SYSTEM.

THE SCOPE OF WORK INCLUDES INSTALLATION OF A NEW FIRE ALARM CONTROL PANEL NEW REMOTE ANNUNCIATOR, NEW FIRE PULL HANDLES, VOICE AND STROBE/STROBES AND CEILING MOUNTED HORN STROBES TO BE LOCATED IN THE BUILDING AND WILL COMMUNICATE WITH THE EXISTING FIRE ALARM SYSTEM BY OTHERS. THE FIRE ALARM WILL BE MONITORED BY A CENTRAL STATION.

NEW ADDRESSABLE FIRE ALARM CONTROL PANEL WILL BE INSTALLED AND EQUAL TO FIRE-LITE ECC-50/100(E) VOICE ACTIVATED SYSTEM.

NEW REMOTE ANNUNCIATOR PANEL WILL BE INSTALLED AND EQUAL TO FIRE-LITE ANN-80.

NEW FIRE CONTROL POWER SUPPLY WILL BE INSTALLED ON SECOND FLOOR AND WILL BE EQUAL TO FIRE-LITE FCPS-24FS8.

NEW FIRE PULL HANDLE WILL BE INSTALLED AND WILL BE EQUAL TO HONEYWELL BG-12LX.

NEW SMOKE DETECTOR WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR SD 365.

NEW STROBE LIGHT WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR SRL.

NEW SPEAKER AND STROBE WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR.

NEW HEAT DETECTORS WILL BE INSTALLED AND WILL BE EQUAL TO FIRE-LITE H365.

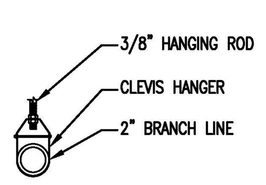
NEW FLOW SWITCH WILL BE INSTALLED.

NEW TAMPER SWITCH WILL BE INSTALLED.

FIRE ALARM CONTRACTOR WILL TEST AND INSPECT NEW SYSTEM WITH LOCAL AUTHORITIES.

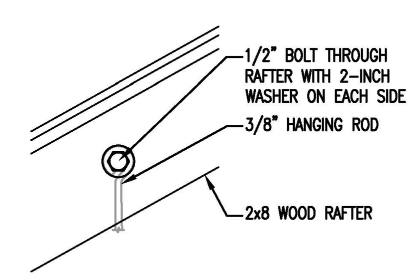
MECHANICAL NOTE: PROVIDE NEW SMOKE DUCT DETECTORS FOR HVAC EQUIPMENT AS SHOWN ON PLAN.

ALL FIRE ALARM IN GYMNASIUM AND WALKING TRACK AREA SHALL BE PROTECTED BY STEEL WIRE GUARD.



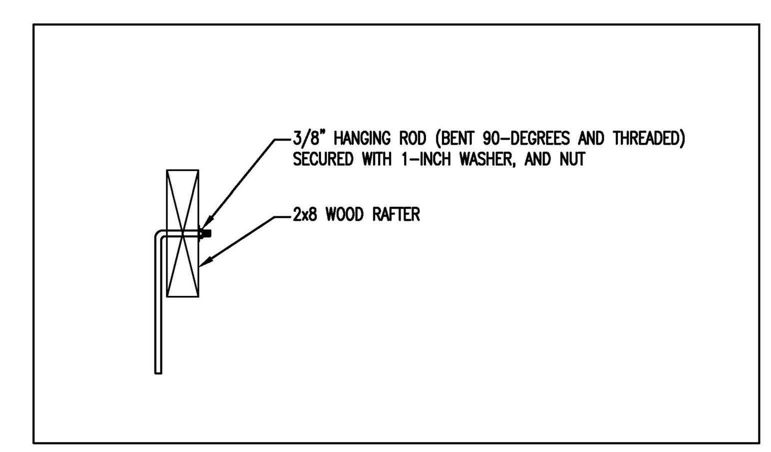
3 / FP-1 — PIPE HANGER

SCALE: 1-1/2" = 1'-0"



4 / FP-1 — HANGER FASTENING AT RAFTER

SCALE: 1-1/2" = 1'-0"



4 / FP-1 — OPTIONAL HANGER FATENING AT RAFTER

SCALE: 1-1/2" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA

25 JULY 2025

DESIGNED/CHECKED BY:	KJD
DRAWN BY:	TS,SAN,GD,BT,JC,JDL
PROJECT #:	2025-01-16
DATE:	25 JULY 2025

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
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FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
-		-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

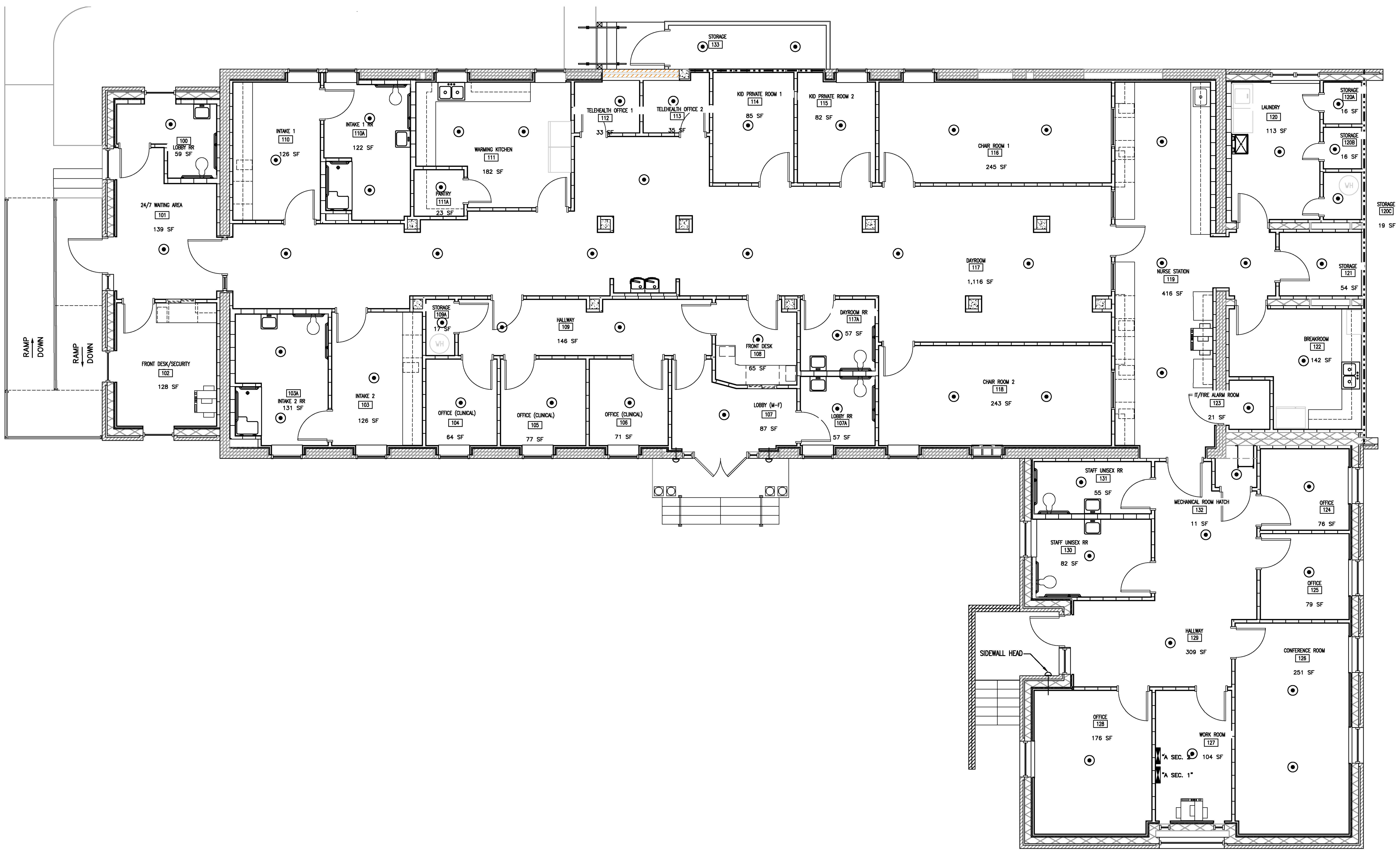
SHEET:
FIRE PROTECTION PLAN

FP-1

1 FP-2 ATTIC SPRINKLER PLAN

0 2'-8" 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"



2 FP-2 GROUND FLOOR SPRINKLER PLAN

0 2'-8" 5'-4" 10'-8"

SCALE: 3/16" = 1'-0"

SPRINKLER LEGEND	
⊙	PENDENT HEAD, RECESSED & CONCEALED
●	UPRIGHT HEAD
⍑	SIDEWALL HEAD, FROST PROOF

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA
OFFICE in EUREKA SPRINGS, NORTH CAROLINA
1606 McARTHUR RD. FAYETTEVILLE, NC 28311-1002
NORTH CAROLINA CORPORATION NUMBER C-3070
OFFICE 910.822.1724 FAX 910.835.5907

NORTH CAROLINA PROFESSIONAL CORPORATION SEAL C-3070 JENKINS CONSULTING ENGINEERS, PA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 42009 KELLIE J. DODSON

25 JULY 2025

DESIGNED/CHECKED BY: KJD

DRAWN BY: TS,SAN,GD,BT,JC,JDL

PROJECT #: 2025-01-16

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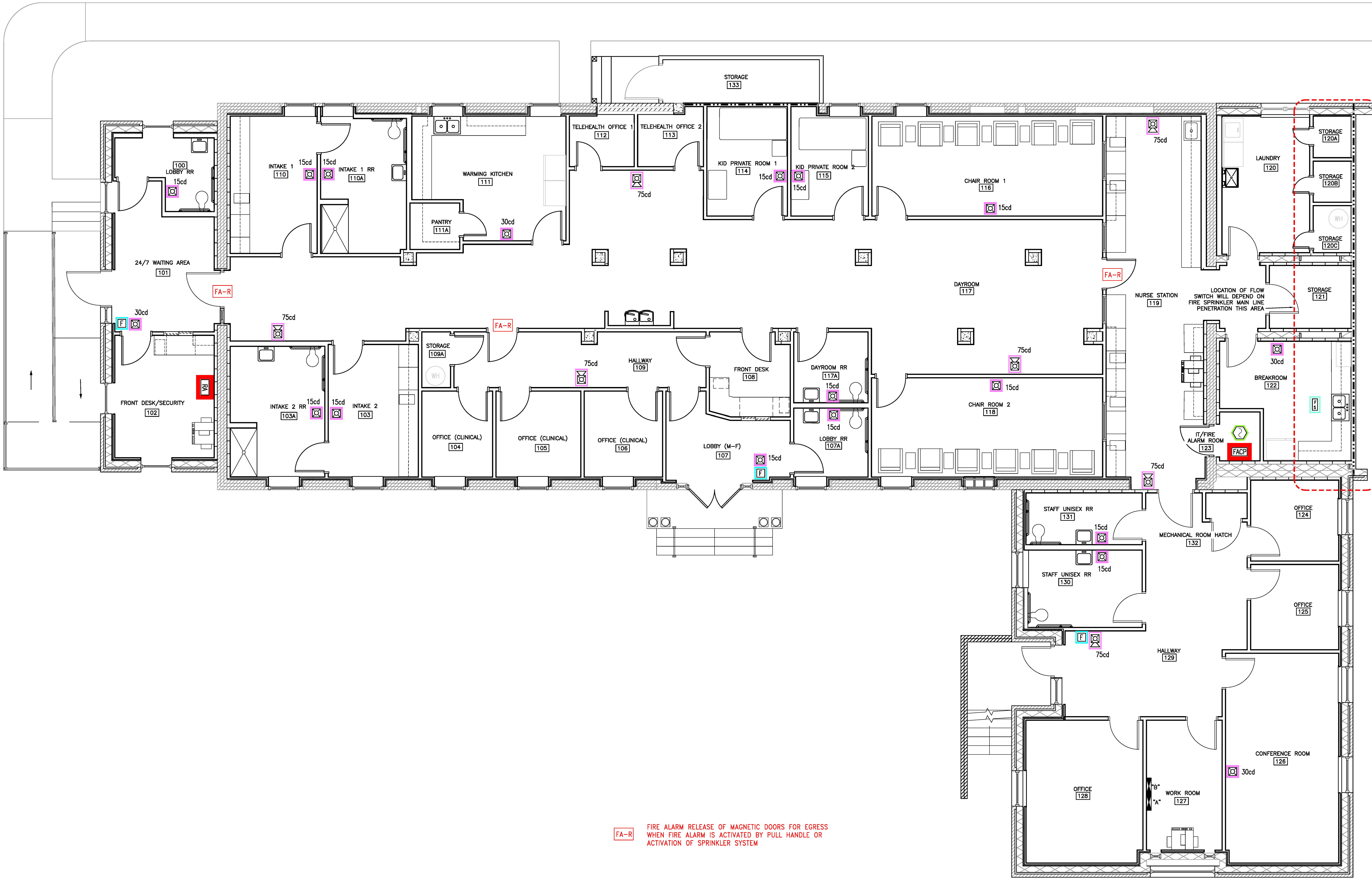
SYMBOL	DESCRIPTION	DATE	BY
-	-	-	-

PROJECT:
ALTERATION LEVEL III - GOOD HOPE BEHAVIORAL URGENT CARE
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
FIRE SPRINKLER REQUIREMENTS

FP-2



FA-R FIRE ALARM RELEASE OF MAGNETIC DOORS FOR EGRESS WHEN FIRE ALARM IS ACTIVATED BY PULL HANDLE OR ACTIVATION OF SPRINKLER SYSTEM

PLAN NORTH / TRUE NORTH

1 FA-1 **FIRE ALARM - FLOOR PLAN**

BUILDING GSF = 6522 SQFT.

SCALE: 1/4" = 1'-0"

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

DESIGNED/CHECKED BY: BJ
DRAWN BY: MAW
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

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FINAL DRAWING FOR CONSTRUCTION

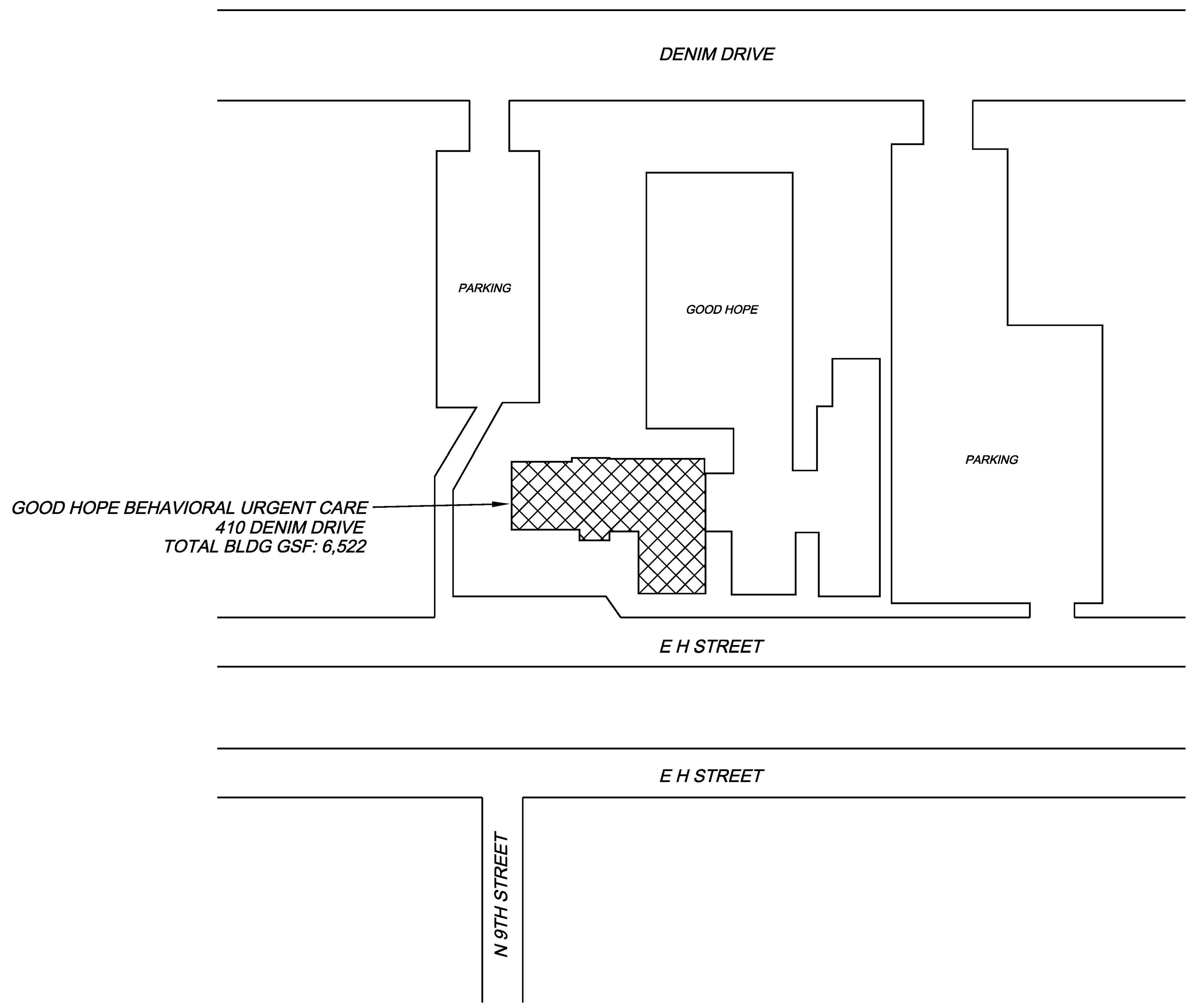
OWNER/TENANT: GOOD HOPE HOSPITAL

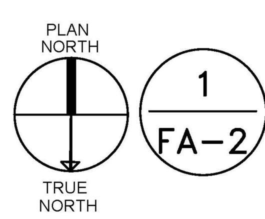
CONTRACTOR/BUILDER: STE GENERAL CONTRACTORS LLC.

PROJECT: *FIRE ALARM PLAN: GOOD HOPE BEHAVIORAL HOSPITAL*
410 DENIM DRIVE, ERWIN, NC 28339

SHEET: FIRE ALARM PLAN - FLOOR PLAN

FA-1





1 / FA-2 **PARTIAL SITE PLAN**

N.T.S.

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL (FIRE-LITE ES-50X)
RA	REMOTE ANNUNCIATOR (FIRE-LITE ANN-80)
F	FIRE ALARM PULL STATION (HONEYWELL BG-12LX)
95cd	STROBE UNIT (SYSTEM SENSOR SRL) (cd) CANDELA RATING
95cd	HORN STROBE UNIT (SYSTEM SENSOR P2RL) (cd) CANDELA RATING
	SMOKE DETECTOR (SD 365)
	FLOW SWITCH (CONNECT TO FIRE SPRINKLER MAIN ON BEHAVIORAL SIDE OF DEMISING WALL)
FA-R	DELAYED EGRESS EXIT DOOR RELEASE

NOTES

ALL FIRE ALARM EQUIPMENT TO MEET NFPA 72
THE FIRE ALARM SYSTEM SHOWN HERE DEPICTS A CLASS "B" SYSTEM
NEW FIRE ALARM CONTROL PANEL IS A FIRE-LITE ES-50X
PROVIDE ADDITIONAL ZONE MODULES AS REQ'D FOR THE ADDITIONAL DEVICES

BUILDING SUMMARY AND SCOPE OF WORK:

THE BUILDING CONSTRUCTION TYPE IS TYPE III-B ACCORDING TO 2018 NORTH CAROLINA BUILDING CODE

TENANT SPACE GROSS SQUARE FEET: 6,522

BUILDING IS PROTECTED BY FIRE SPRINKLERS.

BUILDING USE WILL BE BUSINESS (B), GOOD HOPE BEHAVIORAL URGENT CARE CLINIC.

THIS DRAWING INCLUDES A BUILDING FLOOR PLAN THAT WAS PREPARED BY JENKINS CONSULTING ENGINEERS. THIS DRAWING SHOWS THE LOCATION OF NEW FIRE ALARM EQUIPMENT AND DEVICES.

THE FACILITY IS PROTECTED AND MONITORED BY A SECURITY SYSTEM.

THE SCOPE OF WORK INCLUDES INSTALLATION OF A FIRE ALARM CONTROL PANEL, NEW REMOTE ANNUNCIATOR, NEW FIRE PULL HANDLES, HORN STROBES, STROBES, SMOKE DETECTOR AND MONITOR MODULE RELAYS TO BE LOCATED IN THE TENANT SPACE AND WILL COMMUNICATE WITH THE NEW FIRE ALARM SYSTEM BY OTHERS. THE FIRE ALARM WILL BE MONITORED BY A CENTRAL STATION.

AN NEW ADDRESSABLE FIRE ALARM CONTROL PANEL, FIRE-LITE ES-50X FIRE ALARM CONTROL PANEL, WILL BE INSTALLED IN IT/FIRE ALARM ROOM.

A NEW REMOTE ANNUNCIATOR PANEL WILL BE INSTALLED AND EQUAL TO FIRE-LITE ANN-80.

NEW FIRE PULL HANDLES WILL BE INSTALLED AND WILL BE EQUAL TO HONEYWELL BG-12LX.

NEW STROBE LIGHTS WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR SRL.

NEW HORN STROBES WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR P2RL.

A NEW SMOKE DETECTOR WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR SD 365

FLOW SWITCH WILL BE INSTALLED AND WILL BE EQUAL TO MONITOR MODULE RELAY MMF-300 AND WILL BE LOCATED IN THE AREA OF THE NEW SPRINKLER MAIN LINE THAT WILL PENETRATE THE DEMISING WALL INTO THIS SPACE FROM THE OTHER.

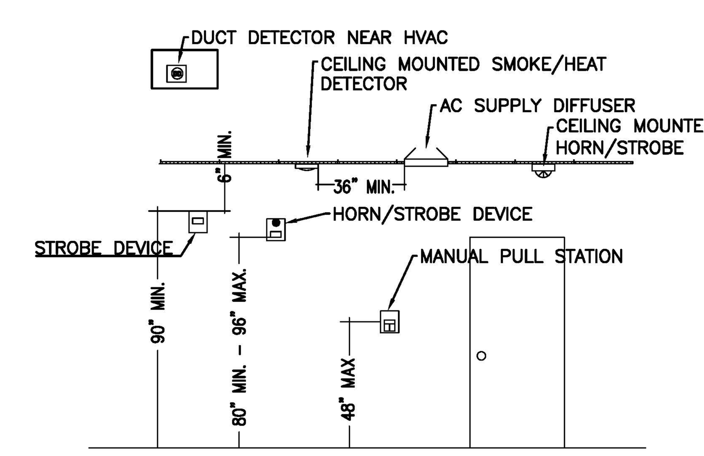
FIRE ALARM CONTRACTOR WILL TEST AND INSPECT NEW SYSTEM WITH LOCAL AUTHORITIES.

FIRE ALARM SYSTEM MATRIX	BUILDING SYSTEM OUTPUTS										CENTRAL STATION			
BUILDING SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE GENERAL EVACUATION	DISPLAY CHANGE OF STATUS ON FACP	DISPLAY CHANGE OF STATUS ON ANNUNICATOR		TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	DISPLAY CHANGE OF STATUS TO CENTRAL STATION
MANUAL PULL STATION	X	X						X	X		X			X
BUILDING SMOKE DETECTOR	X	X						X	X		X			X
AC POWER FAILURE					X	X		X	X				X	X
SYSTEM LOW BATTERY					X	X		X	X				X	X
OPEN CIRCUIT					X	X		X	X				X	X
GROUND FAULT					X	X		X	X				X	X
NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X		X	X				X	X
FIRE SPRINKLER FLOW SWITCH	X	X						X	X		X			
FIRE ALARM RELEASE OF MAGNETIC DOORS							X	X	X		X			X

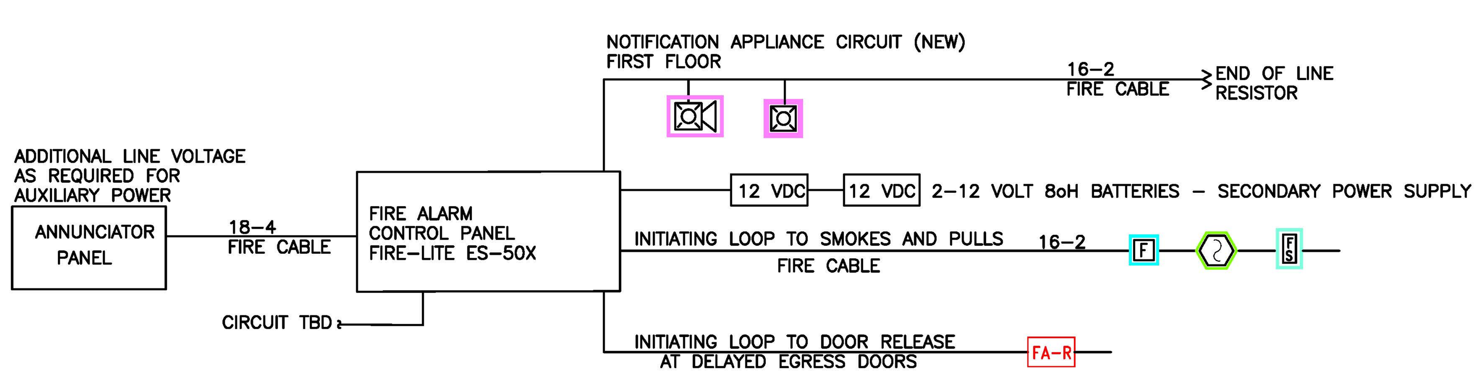
– PROGRAM AS SUPERVISORY UNLESS OTHERWISE REQUIRED BY LOCAL AHJ TO BE A GENERAL ALARM.

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW NOTIFICATION DEVICES AND NEW INITIATING DEVICES BUILDING AS REQUIRED BY NFPA 101, LIFE SAFETY CODE AND NFPA 72, THE FIRE ALARM CODE.
2. PROVIDE BACK BOXES FOR ALL WALL MOUNTED DEVICES.
3. ALL WIRING IS COPPER, WITH RED JACKET.
4. DEVICES SHALL BE RED IN COLOR.
5. VERIFY LOCATION OF ANNUNCIATOR PANEL WITH FIRE MARSHAL.
6. PROVIDE WALL BRACKETS WHERE REQUIRED FOR ADDITIONAL FIRE EXTINGUISHERS.



MOUNTING HEIGHTS (TYPICAL)



NOTE: SEE SUBMITTAL PACKAGE FOR DEVICE LITERATURE, BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS

THIS BUILDING IS PROTECTED BY A SPRINKLER SYSTEM

JENKINS CONSULTING ENGINEERS, PA

DOUGLAS L. "BUDDY" JENKINS
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 28803
25 JULY 2025

DESIGNED/CHECKED BY: BJ
DRAWN BY: MAW
PROJECT #: 2025-01-16
DATE: 25 JULY 2025

FINAL DRAWING ☐ FOR REVIEW PURPOSES ONLY
PRELIMINARY ☐ FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING ☑ FOR CONSTRUCTION

OWNER/TENANT:
GOOD HOPE HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

CONTRACTOR/BUILDER:
STE GENERAL CONTRACTORS LLC.
100 TILGHMAN DRIVE, DUNN, NC 28334

SYMBOL	DESCRIPTION	DATE	BY
0	FIRE ALARM PLAN	-	-

PROJECT:
FIRE ALARM PLAN: GOOD HOPE BEHAVIORAL HOSPITAL
410 DENIM DRIVE, ERWIN, NC 28339

SHEET:
FIRE ALARM RISER/NOTES & MATRIX

FA-2

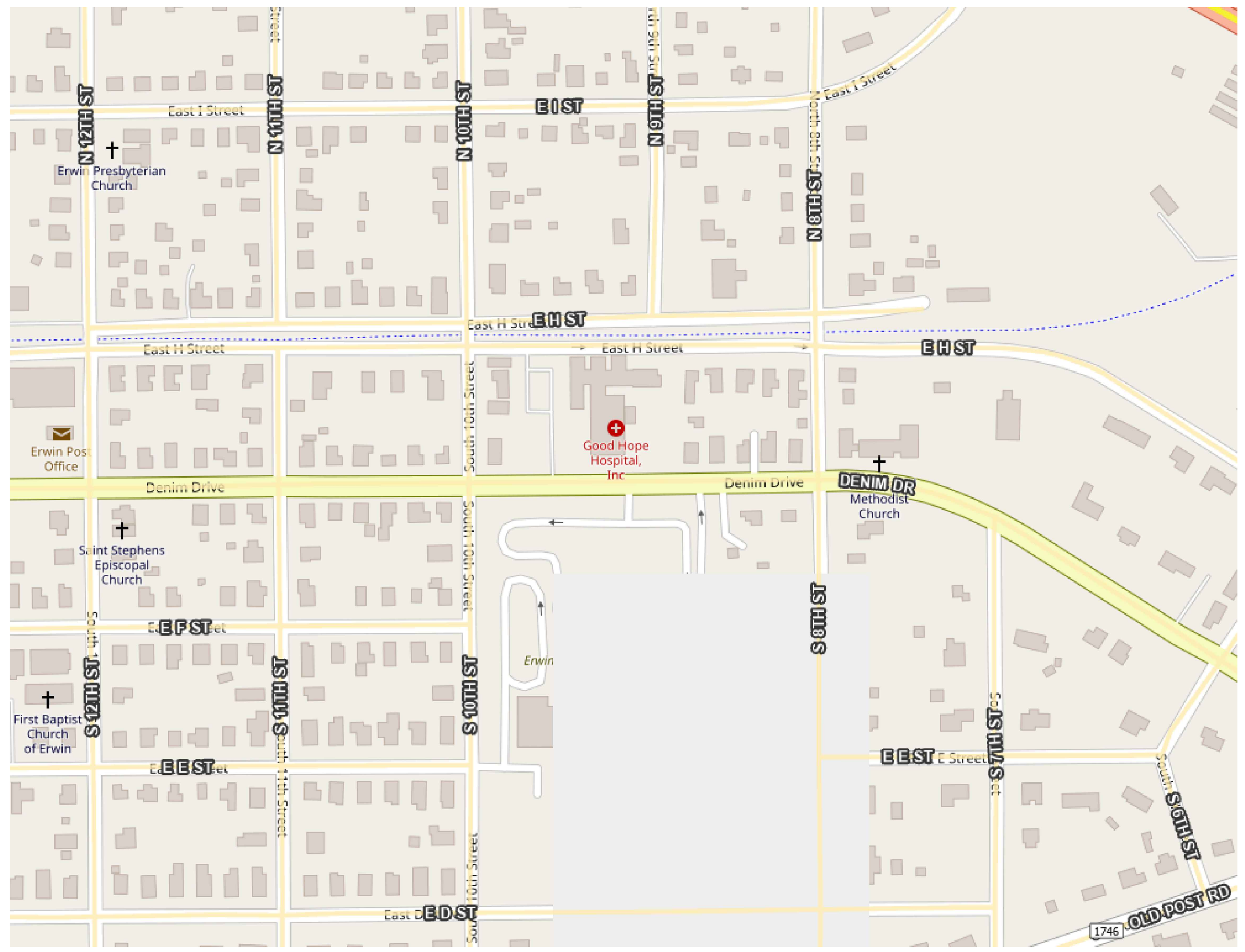
GOOD HOPE HOSPITAL

410 DENIM DRIVE, ERWIN NC

HARNETT COUNTY, NORTH CAROLINA

WATER/SEWER TAPS

NAD 83 (2011)
NAVD 88



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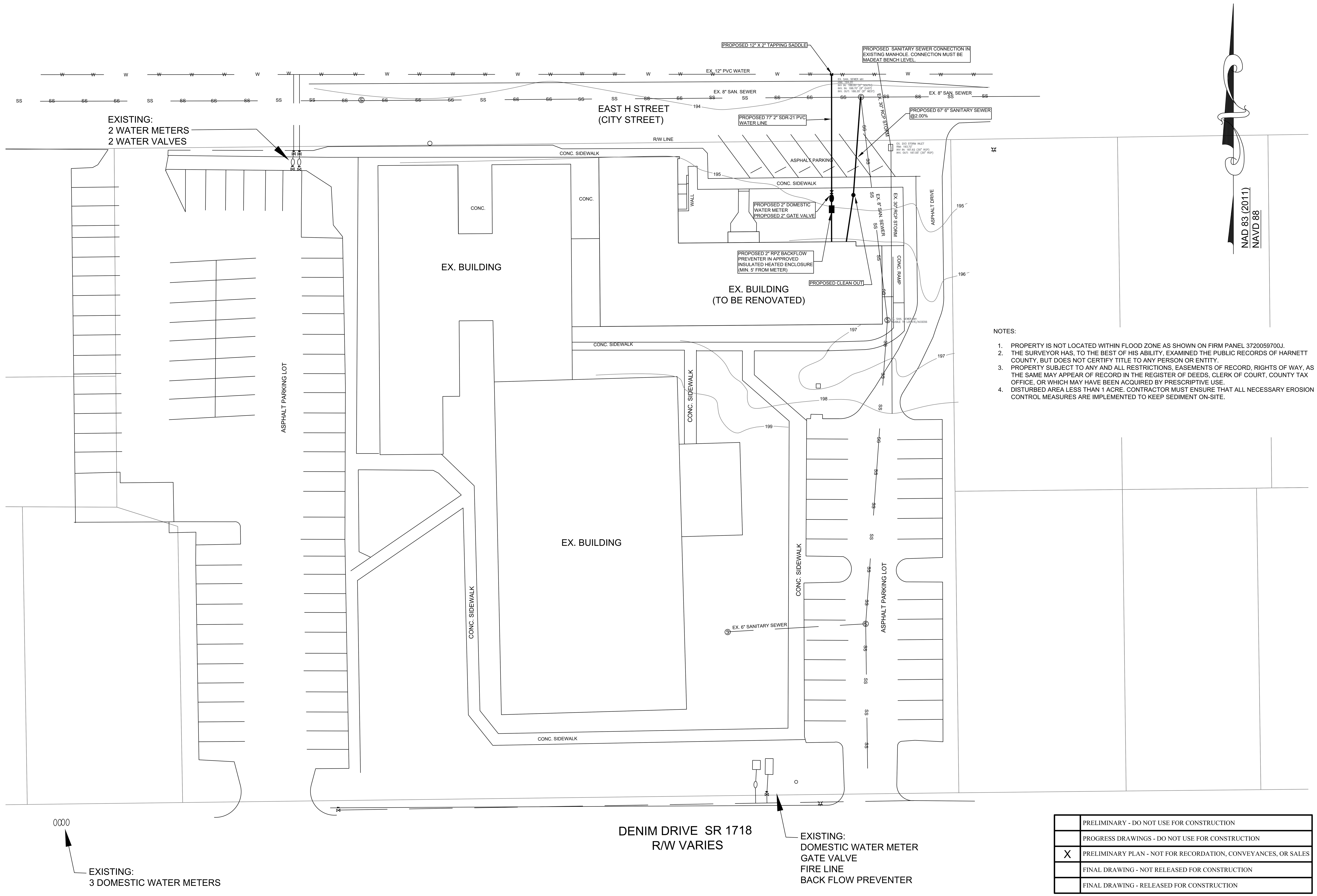
	FINAL DRAWING - RELEASED FOR CONSTRUCTION



NOTES:

1. PROPERTY IS NOT LOCATED WITHIN FLOOD ZONE AS SHOWN ON FIRM PANEL 3720059700J.
2. THE SURVEYOR HAS, TO THE BEST OF HIS ABILITY, EXAMINED THE PUBLIC RECORDS OF HARNETT COUNTY, BUT DOES NOT CERTIFY TITLE TO ANY PERSON OR ENTITY.
3. PROPERTY SUBJECT TO ANY AND ALL RESTRICTIONS, EASEMENTS OF RECORD, RIGHTS OF WAY, AS THE SAME MAY APPEAR OF RECORD IN THE REGISTER OF DEEDS, CLERK OF COURT, COUNTY TAX OFFICE, OR WHICH MAY HAVE BEEN ACQUIRED BY PRESCRIPTIVE USE.
4. DISTURBED AREA LESS THAN 1 ACRE. CONTRACTOR MUST ENSURE THAT ALL NECESSARY EROSION CONTROL MEASURES ARE IMPLEMENTED TO KEEP SEDIMENT ON-SITE.

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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GOOD HOPE HOSPITAL

ERWIN, NC
HARNETT COUNTY, NORTH CAROLINA

OVERALL SITE PLAN - WATER/SEWER TAPS

No.	Revision/Issue	Date

PROJECT: 2025-002
DATE: 7/29/2025
DRAWN BY: CJ/RGM
DESIGNED BY: DL

Sheet
OVERALL

PROPOSED 12" X 2" TAPPING SADDLE
PROPOSED SANITARY SEWER CONNECTION IN EXISTING MANHOLE. CONNECTION MUST BE MADEAT BENCH LEVEL.
EX. 12" PVC WATER
EX. SAN. SEWER MH
RIM: 194.20
INV IN: 188.60 (8" SOUTH)
INV. IN: 188.70 (8" EAST)
INV. OUT: 188.35 (8" WEST)
EX. 8" SAN. SEWER
EX. 8" SAN. SEWER
EAST H STREET
(CITY STREET)
194
EX. 30" RCP STORM
PROPOSED 67' 6" SANITARY SEWER @2.00%
PROPOSED 77' 2" SDR-21 PVC WATER LINE
R/W LINE
EX. 2X3 STORM INLET
RIM: 193.72'
INV IN: 187.62 (30" RCP)
INV. OUT: 187.55' (30" RCP)
CONC. SIDEWALK
ASPHALT PARKING
195
CONC. SIDEWALK
CONC.
CONC.
WALL
PROPOSED 2" DOMESTIC WATER METER
PROPOSED 2" GATE VALVE
EX. 8" SAN. SEWER
EX. 30" RCP STORM
ASPHALT DRIVE
195
LEGEND
EX. BUILDING
PROPOSED 2" RPZ BACKFLOW PREVENTER IN APPROVED INSULATED HEATED ENCLOSURE (MIN. 5' FROM METER)
CONC. RAMP
196
PROPOSED CLEAN OUT
EX. BUILDING
(TO BE RENOVATED)
EX. SAN. SEWER MH
UNABLE TO LOCATE/ACCESS
197
CONC. SIDEWALK
197
CONC. SIDEWALK
198
199
NAD 83 (2011)
NAVD 88
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NORTH CAROLINA PROFESSIONAL SEAL 043840 ENGINEER DENNIS LOWERY
GOOD HOPE HOSPITAL
ERWIN, NC
HARNETT COUNTY, NORTH CAROLINA
UTILITY PLAN - WATER/SEWER TAPS
PRELIMINARY - DO NOT USE FOR CONSTRUCTION
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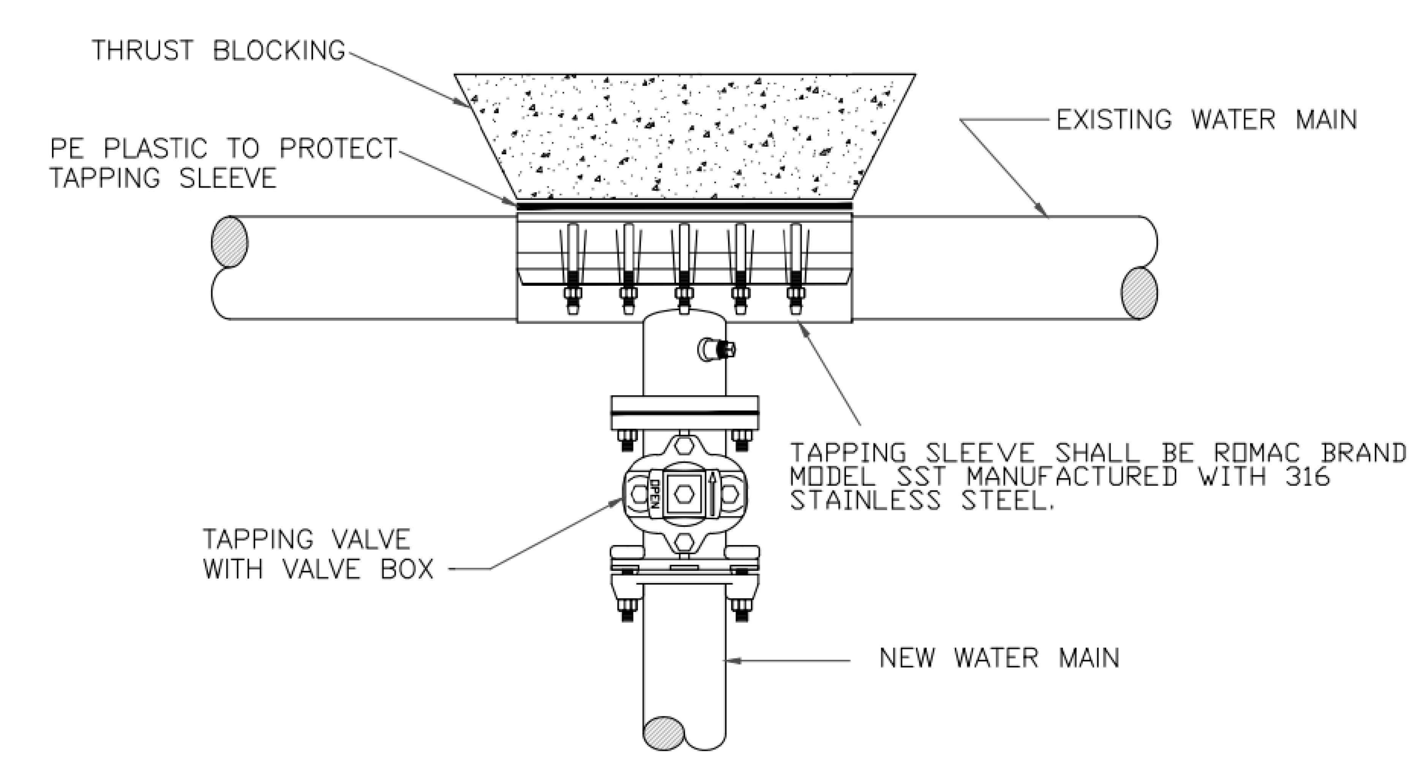
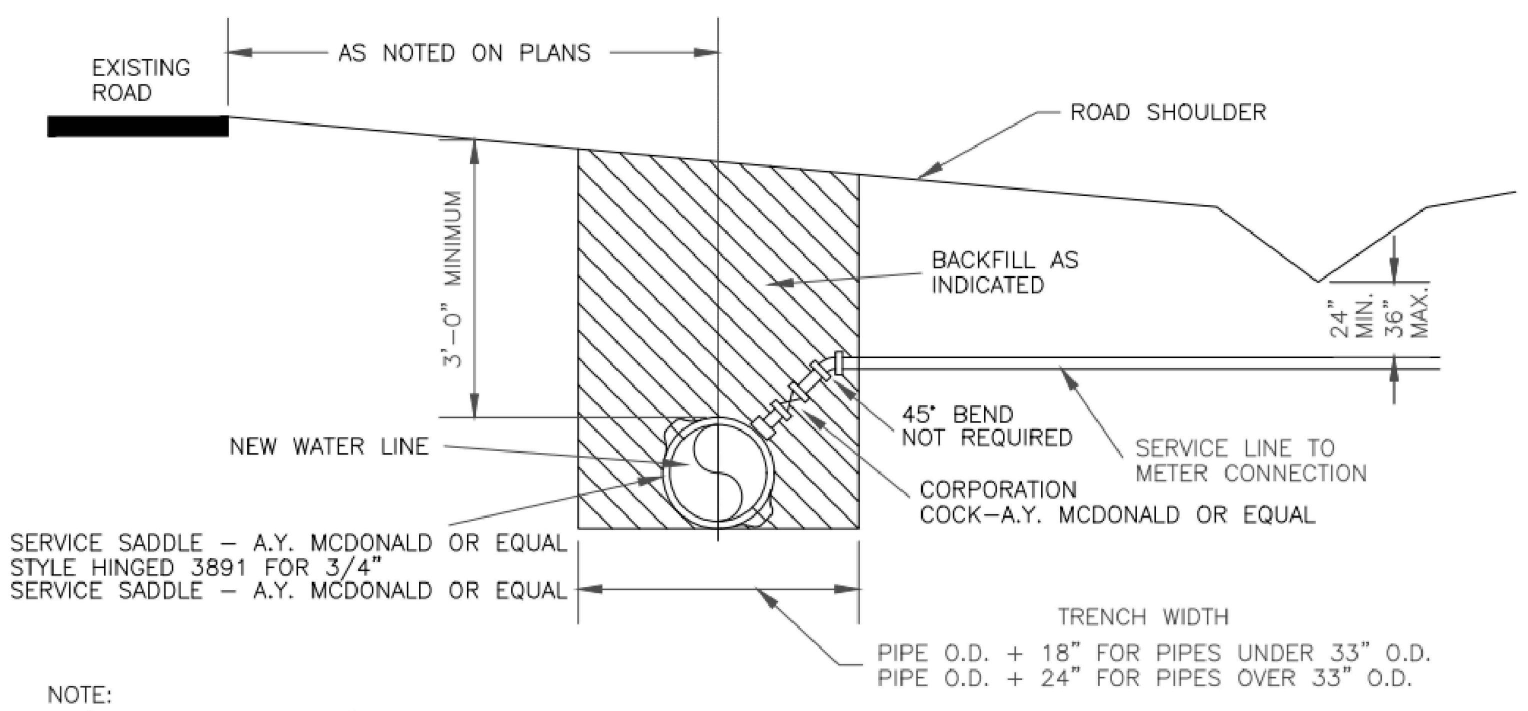
X PRELIMINARY PLAN - NOT FOR RECORDATION, CONVEYANCES, OR SALES
FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION
FINAL DRAWING - RELEASED FOR CONSTRUCTION
GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.
No. Revision/Issue Date
PROJECT: 2025-002
DATE: 7/29/2025
DRAWN BY: CJ/RGM
DESIGNED BY: DL
Sheet UP
2 OF 4



TYPICAL TAPPING SLEEVE AND VALVE ASSEMBLY DETAIL W 5

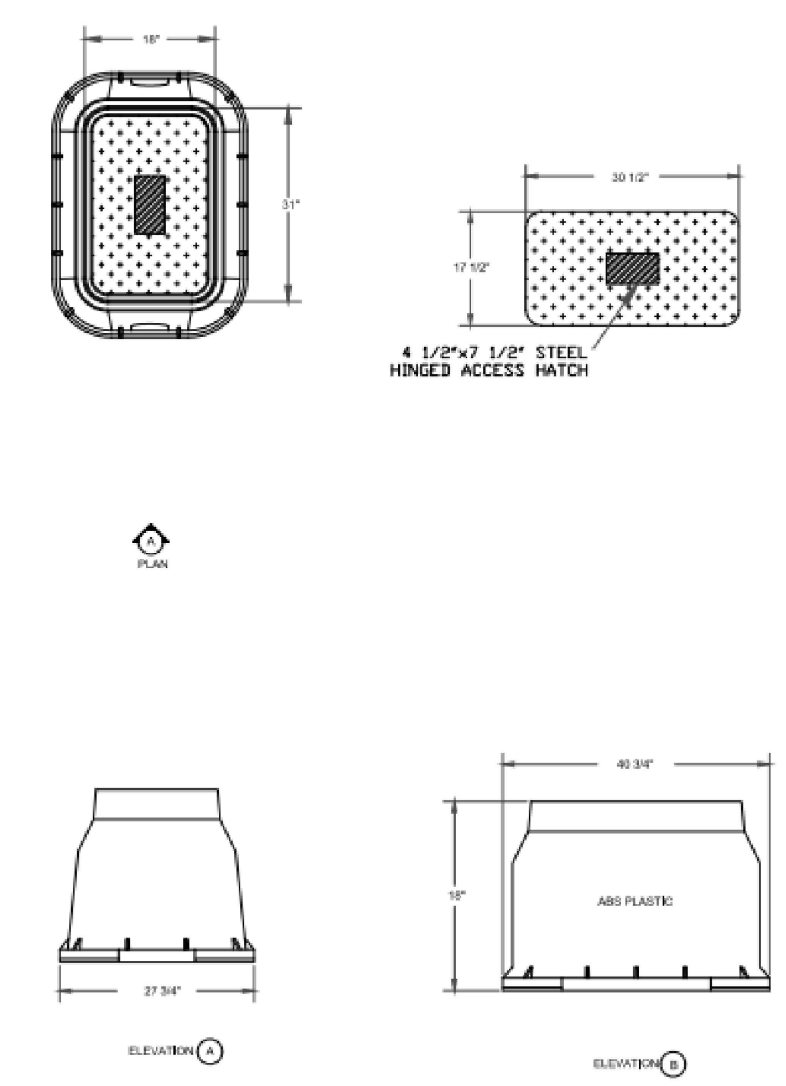
NO SCALE



NOTE:
1. "SERVICE CONNECTION" IN PROPOSAL TO INCLUDE SERVICE SADDLE, 45° BEND, CORPORATION COCK AND ALL LABOR INVOLVED IN MAKING A COMPLETE SERVICE CONNECTION.
2. SERVICE PIPING TO BE 3/4" SDR-9 PE TUBING
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE

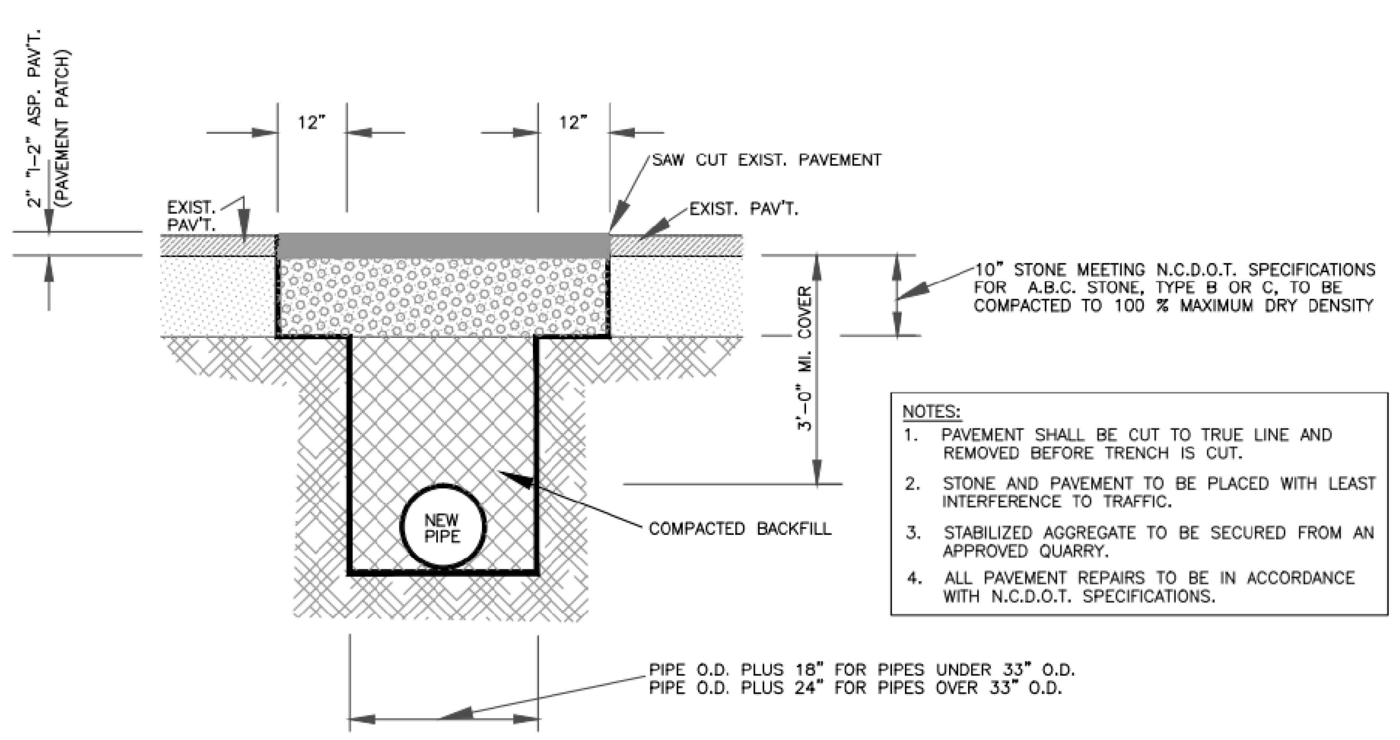
TYPICAL WATER SERVICE CONNECTION USING TAPPING SADDLE DETAIL W 13

NO SCALE



TYPICAL METER BOX DETAIL FOR 2" SERVICE W 19

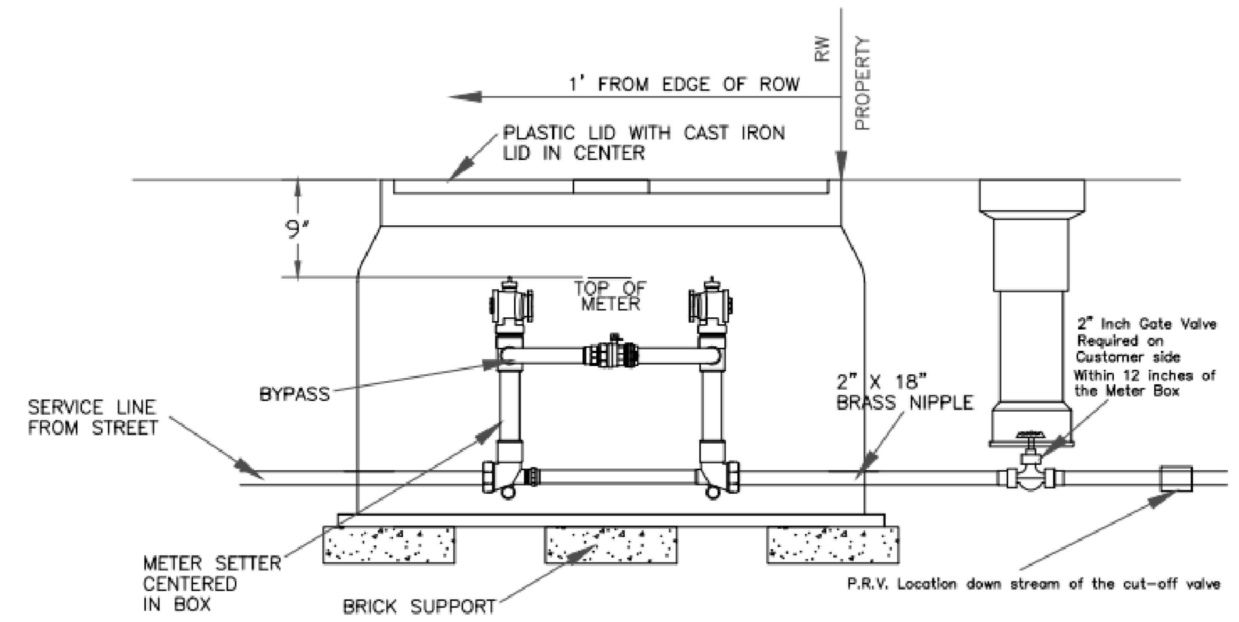
NO SCALE



NOTES:
1. PAVEMENT SHALL BE CUT TO TRUE LINE AND REMOVED BEFORE TRENCH IS CUT.
2. STONE AND PAVEMENT TO BE PLACED WITH LEAST INTERFERENCE TO TRAFFIC.
3. STABILIZED AGGREGATE TO BE SECURED FROM AN APPROVED QUARRY.
4. ALL PAVEMENT REPAIRS TO BE IN ACCORDANCE WITH N.C.D.O.T. SPECIFICATIONS.

TYPICAL TRENCH IN BITUMINOUS SURFACE AREAS DETAIL W 10

NO SCALE

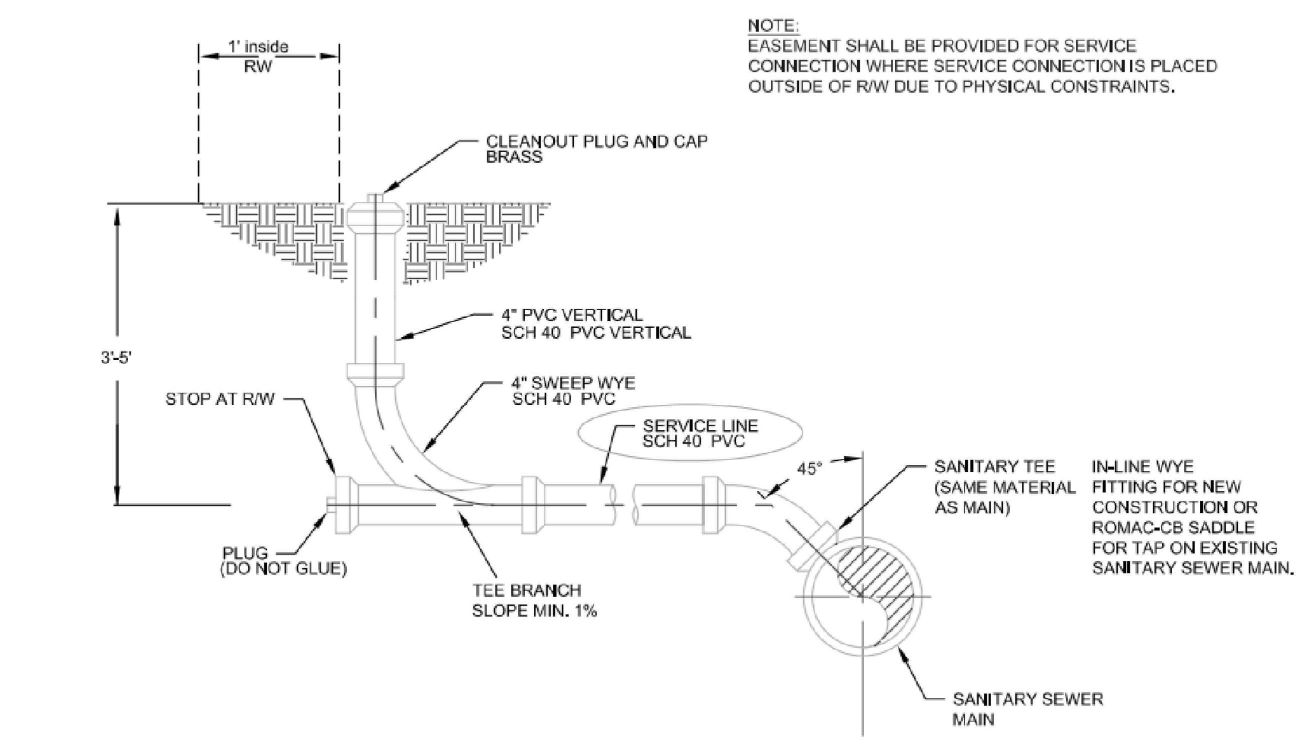


1. METER AND PRIVATE SERVICE LINE NOT IN CONTRACT UNLESS SPECIFIED
2. METER SETTER SIZE AS NOTED ON PLANS.
3. ALL BRASS FITTINGS SHALL BE COMPRESSION TYPE.
4. 17 1/4" SPREAD (FLANGE TO FLANGE).

TYPICAL 2" METER SETTER INSTALLATION DETAIL W 18

NO SCALE

NOTE:
EASEMENT SHALL BE PROVIDED FOR SERVICE CONNECTION WHERE SERVICE CONNECTION IS PLACED OUTSIDE OF R/W DUE TO PHYSICAL CONSTRAINTS.



TYPICAL SEWER SERVICE CONNECTION DETAIL S 29

NO SCALE

1. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR ALL WATER OUTAGES.
3. ALL NEW WATER AND SEWER MAINS, LATERALS, AND APPURTENANCES SHALL BE TESTED AND/OR DISINFECTED IN ACCORDANCE WITH HARNETT WATER STANDARDS PRIOR TO PLACING INTO SERVICE.
4. CONTRACTOR SHALL COORDINATE TESTING AND INSPECTION WITH HARNETT WATER
5. CONTRACTOR SHALL REPAIR ALL WATER LATERALS AND MAINS DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL REPORT IMMEDIATELY ALL WATER MAIN AND LATERAL BREAKS TO HARNETT WATER. THE CONTRACTOR SHALL INITIATE IMMEDIATE REPAIRS IN ACCORDANCE WITH HARNETT WATER STANDARDS. CONTRACTOR SHALL NOT OPERATE HARNETT WATER WATER MAIN VALVES WITHOUT HARNETT WATER APPROVAL AND SHALL COORDINATE ALL VALVE CLOSINGS WITH HARNETT WATER.
6. ALL EXISTING UTILITIES IMPACTED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISHED GRADE, IN ACCORDANCE WITH HARNETT WATER REQUIREMENTS.
7. ALL WORK ON HARNETT WATER UTILITIES (MAINS, LATERALS, ETC) SHALL BE PERFORMED BY A LICENSED UTILITY CONTRACTOR.
8. **WATER OUTAGES:** THE CONTRACTOR SHALL SCHEDULE A COORDINATION MEETING WITH HARNETT WATER A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO ANY PLANNED WATER OUTAGE. ADDITIONALLY, THE CONTRACTOR SHALL LOCATE (VERTICALLY AND HORIZONTALLY) ANY UTILITIES WITHIN THE WORK AREA. ANY CONFLICTS WITH THE PENDING WORK AND THE EXISTING UTILITIES SHALL BE IDENTIFIED AND A PLAN FOR RESOLVING ANY CONFLICTS SHALL BE PRESENTED.

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NORTH CAROLINA PROFESSIONAL SEAL 043840 ENGINEER DENNIS LOWERY

GOOD HOPE HOSPITAL
ERWIN, NC
HARNETT COUNTY, NORTH CAROLINA

DETAILS 1

No.	Revision/Issue	Date

PROJECT: 2025-002
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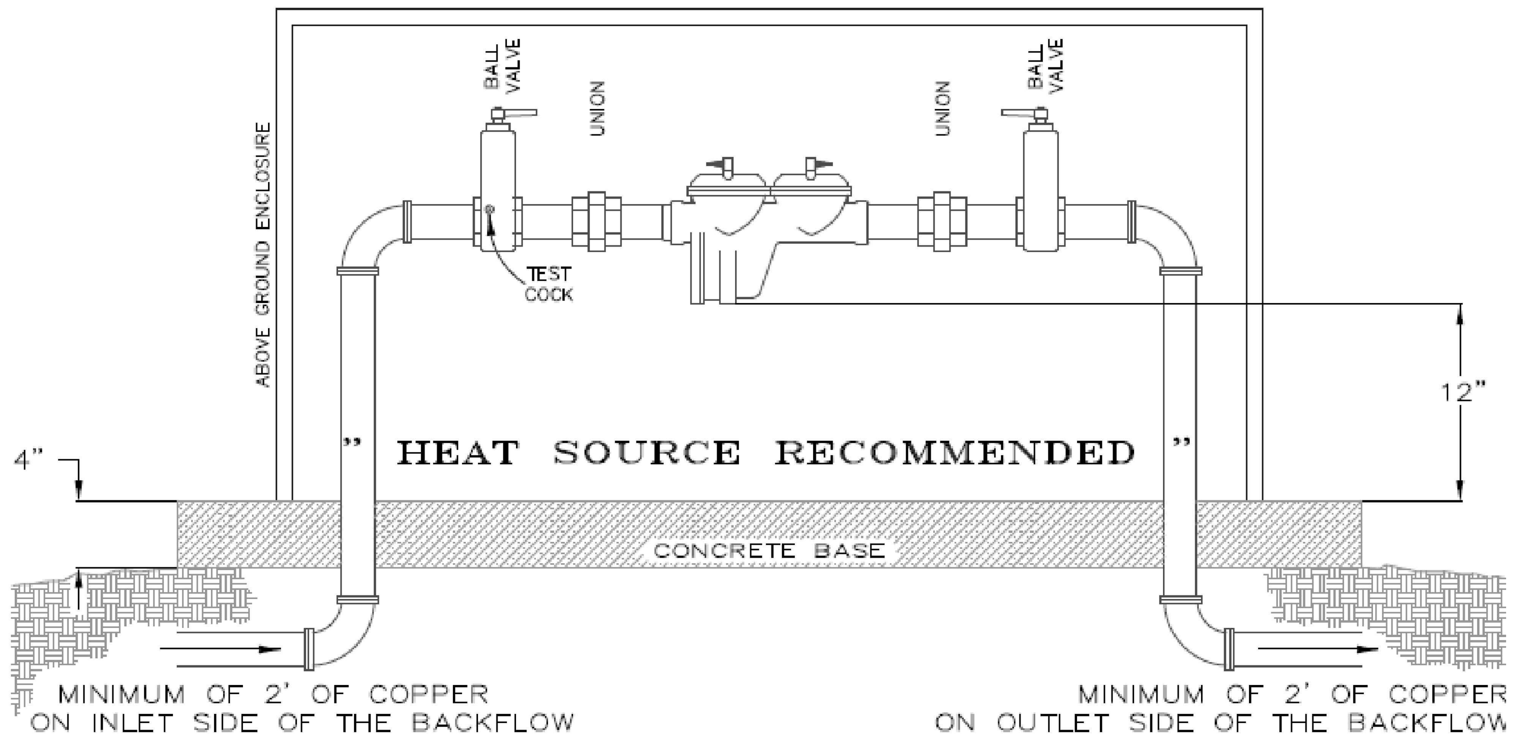
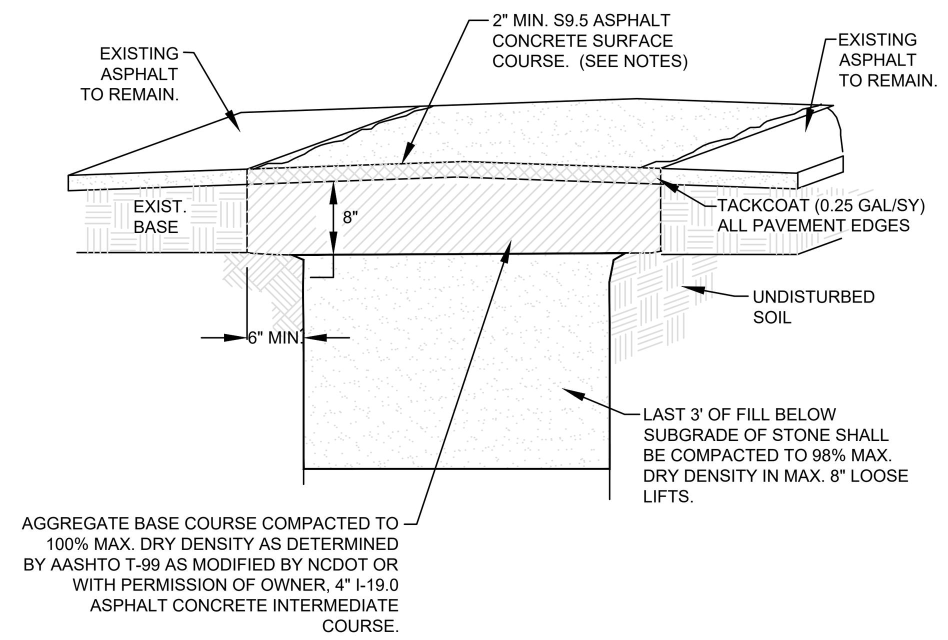
DRAWN BY: CJ/RGM
DESIGNED BY: DL

Sheet D1

SIZES: 3/4" - 2 1/2"
LEAD FREE REDUCED PRESSURE BACKFLOW PREVENTER
ABOVE GROUND INSTALLATION





NOTES:

1. CONTRACTOR SHALL PATCH PAVEMENT TO THE SAME PAVEMENT PROFILE AS EXISTED PRIOR TO REMOVING PAVEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THIS DETAIL.
2. WHERE PATCH OF ASPHALT CURBING OCCURS CONTRACTOR SHALL MATCH EXISTING CURB GRADES WITHIN 0.02 FEET. PATCHES THAT ARE ABOVE THE CURB GRADE LINE WILL NOT BE ACCEPTABLE AND SHALL BE REMOVED AND REPLACED. CURB PATCH SHALL BE THE SAME SHAPE/TEMPLATE AS THE EXISTING CURB.
3. CONTRACTOR SHALL BE REQUIRED TO PROVIDE TRAFFIC CONTROL AND DEVICES AS REQUIRED BY THE M.U.T.C.D. OR NC SUPPLEMENT. WORK CANNOT PROCEED UNTIL THE MEASURES ARE IN PLACE. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT NEW PAVEMENT FROM TRAFFIC AND OTHER SOURCES OF DAMAGE UNTIL ASPHALT HAS SUFFICIENTLY COOLED TO PREVENT DAMAGE.
4. CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT STRAIGHT AND TRUE IMMEDIATELY PRIOR TO PAVING. THE FINAL PRODUCT SHALL BE SUBJECT TO THE OWNERS APPROVAL.
5. PROVIDE A MINIMUM OF 2" PAVEMENT , IF THE EXISTING PAVEMENT IS 2" OR LESS. MATCH EXISTING PAVEMENT THICKNESS IF OVER 2".
6. ALL PATCHES SHALL HAVE A MINIMUM OF 8" ABC UNDER ALL PAVEMENT, INCLUDING CURB AS REQUIRED.

PERMANENT PAVEMENT PATCH
N.T.S.

PAVEMENT REPAIR NOTES

1. CONTRACTOR SHALL SAW CUT OR MILL ALL PAVEMENTS STRAIGHT AND TRUE PRIOR TO TRENCHING. CONTRACTOR SHALL SAW CUT PATCH AREAS AGAIN IMMEDIATELY PRIOR TO PATCH PAVING . THE FINAL SAW CUT FOR PATCHES SHALL BE STRAIGHT WITH A NEAT SQUARE EDGE AND OF UNIFORM WIDTH PARALLEL WITH THE EDGE OF PAVEMENT/CURB LINE. THE FINAL PRODUCT SHALL BE SUBJECT TO THE OWNERS APPROVAL.
2. CONTRACTOR SHALL SWEEP STREETS AND PROVIDE DUST CONTROL AT ALL TIMES VIA WATER TRUCK, BROOMS, COMPACTORS, ETC. DEBRIS FROM SWEEPING OPERATIONS SHALL NOT BE DIRECTED TOWARD YARDS. CLEAN UP OF DEBRIS, TRASH, EXCESS MATERIALS, ETC. SHALL BE PERFORMED DAILY.
3. THE CONTRACTOR SHALL PATCH PAVE SERVICE LATERALS ON THE SAME DAY THAT MAIN LINE TRENCHES ARE PAVED. LATERALS SHALL BE PATCHED ON BOTH SIDES OF THE STREET AS PAVING PROGRESSES.
4. THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT PROPER TRAFFIC CONTROL PROVISIONS AND ANY DEVICES REQUIRED TO IDENTIFY OBSTRUCTIONS OR HAZARDS WITHIN THE RIGHT-OF-WAY TO INCLUDE REFLECTIVE CONES AT EACH SERVICE LATERAL, REFLECTIVE BARRELS ON RAISED MANHOLES, ETC.
5. AT NO TIME SHALL THE CONTRACTOR LEAVE MAIN AND/OR LATERAL TRENCHES WITH A VERTICAL ELEVATION DROP EXCEEDING ONE INCH (1") FROM EXISTING ASPHALT TO TRENCH SUB GRADE UNATTENDED, UNSECURED, AND/OR OVERNIGHT.

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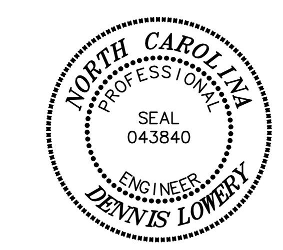

GOOD HOPE HOSPITAL
ERWIN, NC
HARNETT COUNTY, NORTH CAROLINA

DETAILS 2

No.	Revision/Issue	Date

PROJECT: 2025-002
DATE: 7/29/2025
DRAWN BY: CJ/RGM
DESIGNED BY: DL
Sheet

D2