

Drawing File: H:\2021\RayWest\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: Maw
 Plotted Date: Oct 21, 2021 - 4:31pm

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PROJECT:

LEVEL II ALTERATION for:
INTERIM CANCER CENTER - CHH ADMIN SPACE



215 BRIGHTWATER DRIVE
 LILLINGTON, NC. 27546



Notes on plumbing



DESIGNED/CHECKED BY: B. JENKINS	DRAWN BY: MAW	PROJECT #: -
DATE: 21 OCT 21		

FINAL DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY	FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION	OWNER/TENANT: HARNETT HEALTH SYSTEMS
CONTRACTOR/BUILDER: RAYWEST DESIGNBUILD		DATE: 21 OCT 21

BUILDING DEPARTMENT:

HARNETT COUNTY
 CENTRAL PERMIT
 420 MCKINNEY PKWY
 LILLINGTON, NC. 27546
 PHONE - 910-893-7525

PROJECT TEAM:

LANDLORD/PROPERTY OWNER:

HARNETT HEALTH SYSTEMS
 P.O. BOX 1706
 DUNN, NC. 28335

CONSTRUCTION MANAGEMENT COMPANY:

RAYWEST DESIGN BUILD
 HECTOR RAY - PROJECT MANAGER
 2818 RAEFORD ROAD, SUITE 300
 FAYETTEVILLE, NC. 28303
 910-672-7962

PROJECT DESIGNER:

JENKINS CONSULTING ENGINEERS, PA
 OFFICE in EUREKA SPRINGS, NC
 BUDDY JENKINS
 1582 MCARTHUR ROAD
 FAYETTEVILLE, NC 28311-1002
 910-822-1724

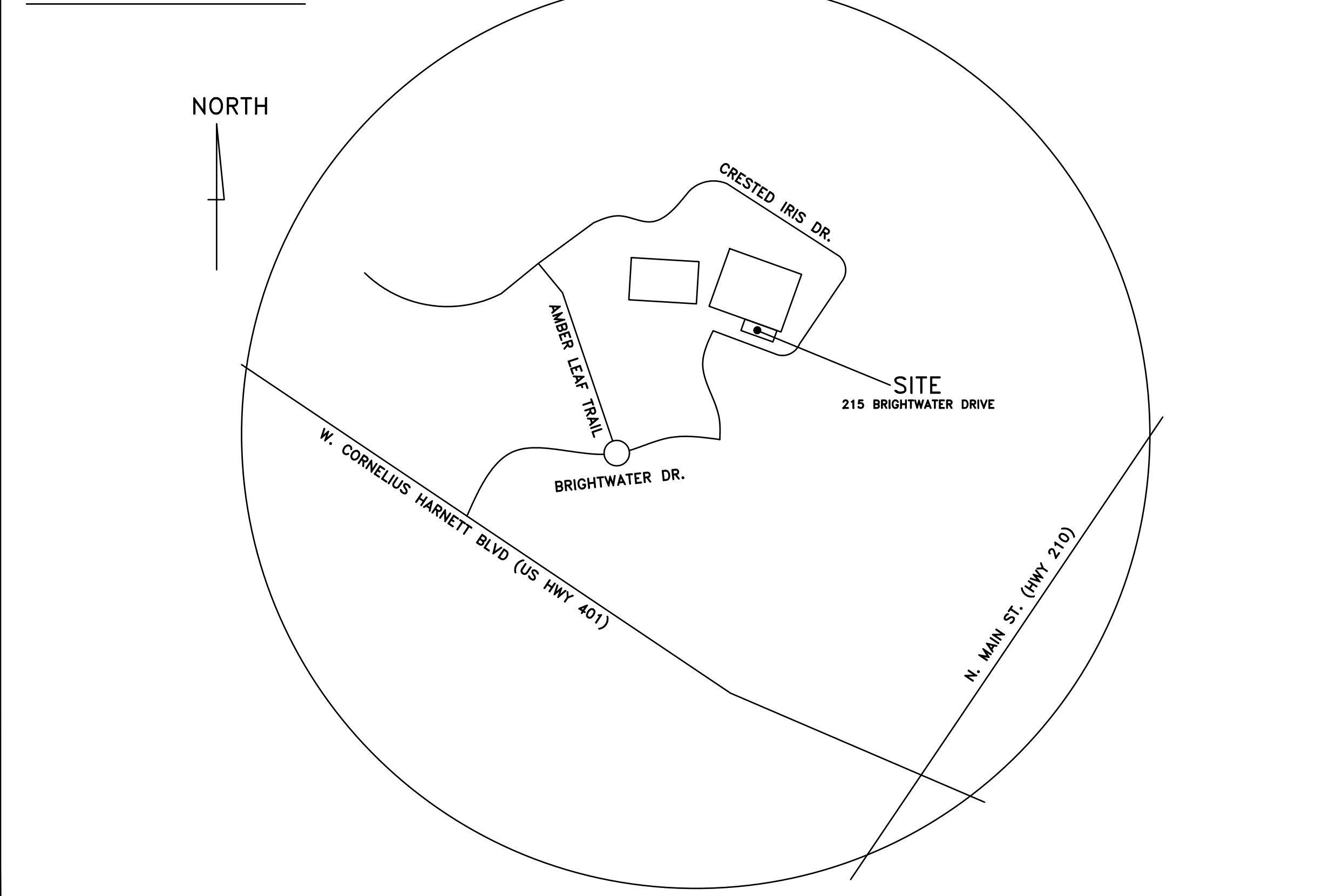
CODE REVIEW:

- APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
- NORTH CAROLINA STATE BUILDING CODE: BUILDING CODE 2018
 - NORTH CAROLINA STATE BUILDING CODE: PLUMBING CODE 2018
 - NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE 2018
 - 2017 NATIONAL ELECTRIC CODE
 - 2009 STANDARD & COMMENTARY ICC/ANSI A117.1-2009 on ACCESSIBILITY
 - NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION CODE 2018
 - NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE 2018
 - THE 2018 EDITION OF THE LIFE SAFETY CODE NFPA 101
 - NORTH CAROLINA STATE BUILDING CODE: EXISTING BUILDING CODE 2018

BUILDING DATA:

THE PROJECT IS TO RENOVATE EXISTING OFFICE SPACE INTO A CANCER TREATMENT CENTER AND ADJOINING EXAM ROOMS.

VICINITY PLAN



THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM



PROJECT: LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE
 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546
 SHEET: COVER SHEET & INDEX TO DRAWINGS

CS

2018 NC BUILDING CODE SUMMARY: APPENDIX B

Name of Project: **LEVEL II RENOVATION FOR HARNETT HEALTH SERVICES** PIN: **0651-70-1090.000**
 Address: **215 BRIGHTWATER DRIVE** Zip Code: **27546**
 Proposed Use: **BUSINESS (INTERIM CANCER CENTER)**
 Owner or Authorized Agent: **HECTOR RAY** Phone **910-824-0503** E-Mail **hector.ray@raywestdesignbuild.com**
 Owned By: **HARNETT HEALTH SERVICES** City/County Private State
 Code Enforcement Jurisdiction: City **LILLINGTON** County **HARNETT** State **NORTH CAROLINA**

CONTACT: **BUDDY JENKINS, P.E.**

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

2018 NC BUILDING CODE: New Building Shell / Core First Time Interior Completions
 Addition Phased Construction - Shell Core

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

CONSTRUCTED: (date) **2010** CURRENT USE (S) (Ch. 3): **BUSINESS (DOCTORS OFFICE)**
 RENOVATED: (date) _____ PROPOSED USE (S) (Ch. 3): **BUSINESS (INTERIM CANCER CENTER)**
 OCCUPANCY RISK CATEGORY (Table 1604.5): Current: **II** Proposed: **II**

BASIC BUILDING DATA

Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 Sprinklers: No Partial 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)	RENOVATED (sq ft)	SUBTOTAL
1st Floor	74,774	-	3,092	3,092
TOTAL	74,774	-	3,092	3,092

ALLOWABLE AREA

Primary Occupancy Classification(s):
 Assembly A-1 A-2 A-3 A-4 A-5
 Business **INTERIM CANCER CENTER**
 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-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): **N/A**
 Incidental Uses (Table 509): **N/A**
 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: $\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

_____ + _____ = _____ ≤ 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	INTERIM CANCER CENTER (B)	3,092	UL	N/A	UL

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 $W = (L_1 X W_1 + L_2 X W_2) / F$ (Equation 5-4)
 e. Percent of frontage increase = $I_f = 100 [F/P - 0.25] X W/30 = _____ (%)$ (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 un-sprinklered 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)	180	15	-
Building Height in Stories (Table 504.4)	10	1	-

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	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		0	EXISTING WALLS				
Exterior Walls							
North							
East							
West							
South							
Interior		0					
Nonbearing walls and partitions							
Exterior walls							
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		0					
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							
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 #: **LS1**
 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		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	96" ACCESS AISLE	
EXISTING	N/R					
NEW						
TOTAL						

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	REGULAR ACCESSIBLE	SERVICE SINK
	MALE	FEMALE		MALE	FEMALE				
HOSPITAL (INSTITUTION I-4)	-	-	-	-	-	-	-	-	-
EXISTING FIXTURES	-	-	-	-	-	-	-	-	-
EXISTING FIXTURES - NO NEW ADDED RESTROOM FIXTURES	-	-	-	-	-	-	-	-	-

SPECIAL APPROVALS:

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

ENERGY SUMMARY

ENERGY REQUIREMENTS:

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

Existing building envelope complies with code: (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: Performance Prescriptive

ASHRAE 90.1: Performance Prescriptive Value of total assembly: _____

Other: Performance (specify source) _____

THERMAL ENVELOPE: (Prescriptive method only)

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

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

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

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

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

MECHANICAL SUMMARY (SEE DRAWING SHEET _____)

ELECTRICAL SUMMARY (SEE DRAWING SHEET _____)

County of Harnett
BUILDING CODE SUMMARY
 for:
Level II Alteration for:
Interim Cancer Center -
CHH Admin Space
Harnett Health Services

215 BRIGHTWATER DRIVE
 LILLINGTON, NC. 27546

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM



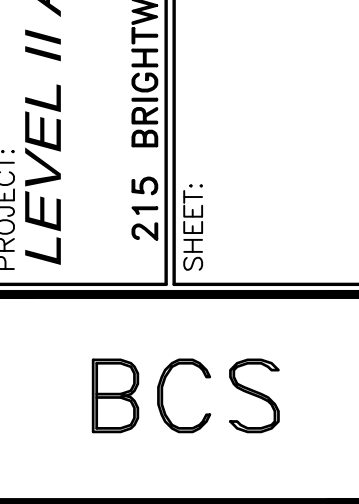
DESIGNED/CHECKED BY: **B. JENKINS**
 DRAWN BY: **MAW**
 PROJECT #: _____
 DATE: **21 OCT 21**

FINAL DRAWING FOR REVIEW PURPOSES ONLY
 PRELIMINARY FOR DESIGN DEVELOPMENT ONLY
 FINAL DRAWING FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SERVICES**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2618 HAZARD ROAD, SUITE 300 FAYETTEVILLE, NC 28403



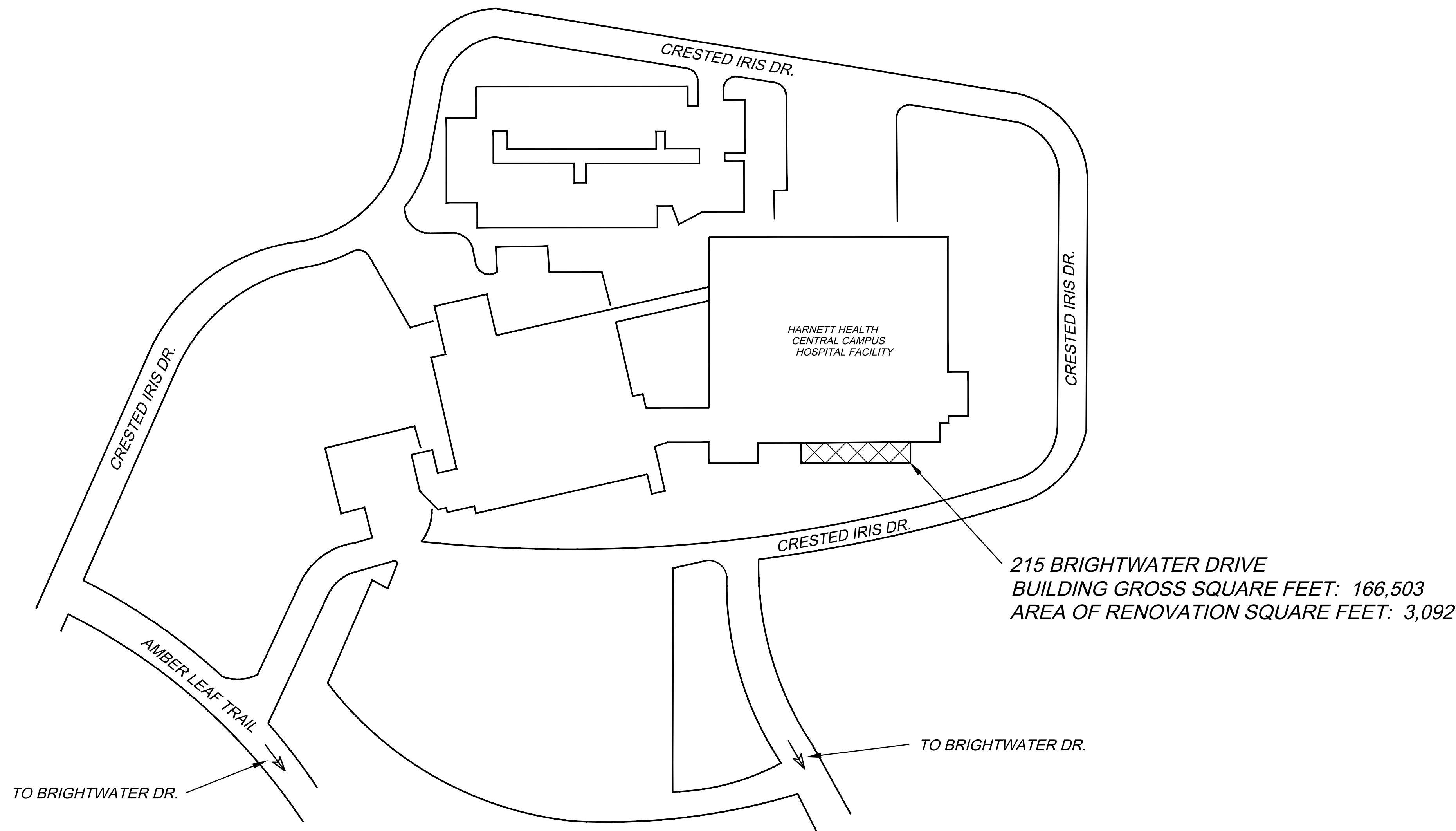
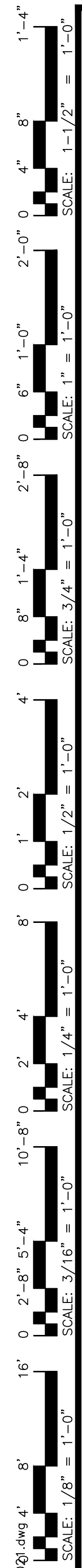
PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546
 SHEET: _____

BUILDING CODE SUMMARY



Drawing File: H:\2021\RayWest\Harnett Health Services\Harnett Health - Lillington - 13Oct 2020.dwg 4' 8" 1'-4" 2'-0" 0 4' 8" 1'-4" 2'-0" 0 6' 1'-0" 2'-8" 0 4' 8" 1'-4" 2'-0" 0 8' 1'-4" 2'-0" 0 10'-8" 0 2' 4' 8" 1'-4" 2'-0" 0 16'-8" 5'-4" 8" 1'-4" 2'-0" 0 2'-8" 5'-4" 8" 1'-4" 2'-0" 0 8" 1'-4" 2'-0" 0
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 Plotted by: Maw
 Plotted Date: Oct 21, 2021 - 4:31pm



1 PARTIAL SITE PLAN
 SP-1 N.T.S.

BUILDING SCOPE OF WORK:
 THE BUILDING WHICH IS CURRENTLY OCCUPIED BY ADMIN SPACE WILL BE CONVERTED INTO AN INTERIM CANCER CENTER. THERE WILL BE SOME WALLS REMOVED AND ROOMS ADJUSTED FOR THE NEW USE. SOME ELECTRICAL AND PLUMBING WORK WILL BE REQUIRED FOR THE NEW USE. NO MECHANICAL WORK REQUIRED.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM



DESIGNED/CHECKED BY: B. JENKINS	DRAWN BY: MAW	PROJECT #: -	DATE: 21 OCT 21
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FINAL DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY PRELIMINARY <input type="checkbox"/> FOR DESIGN DEVELOPMENT ONLY FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION	OWNER/TENANT: HARNETT HEALTH SYSTEMS DUNN, NC	CONTRACTOR/BUILDER: RAYWEST DESIGNBUILD 2618 HAZARD ROAD, SUITE 300 FAYETTEVILLE, NC 28303
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PROJECT: LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546	SHEET: PARTIAL SITE PLAN
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SP-1

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OCCUPANCY CLASSIFICATION per TABLE 1004.1.1

SPACE NUMBER	CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (SF)	EGRESS OCCUPANCY TOTAL (CALCULATED)	BUILDING OCCUPANT TOTAL (ACTUAL)	
1015	RESIDENT WORK	BUSINESS	100	113	2	2	
1505	WAITING ROOM	BUSINESS	100	102	2	2	
1506	TRAINING	BUSINESS	100	308	4	4*	
1507	EXAM 1	BUSINESS	100	177	2	2	
1508	EXAM 2	BUSINESS	100	141	2	2	
1509	OFFICE	BUSINESS	100	141	2	2	
1510	INFUSION	BUSINESS	100	329	4	7	
1511	SOILED	ACCESSORY	300	49	1	1*	
1512	BOARD ROOM	BUSINESS	100	500	5	5*	
1513	CORRIDOR	BUSINESS	100	439	5	5*	
1514	ADMIN STORAGE	ACCESSORY	300	177	1	1*	
1515	STAFF TOILET	BUSINESS	100	61	1	1*	
1516	STAFF TOILET	BUSINESS	100	53	1	1*	
1517	PHLEBOTOMY	BUSINESS	100	135	2	2	
1518	TRIAGE	BUSINESS	100	98	1	2	
A	TOTAL OCCUPANT COUNT CALCULATED BY SPACES				2,823	35	21
B	TOTAL OCCUPANT COUNT CALCULATED FOR BUSINESS USE @100 SF GROSS (3,092 /100)				31	LARGER OF A,B OR C	
C	THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 21 PERSONS				21	35	

TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP	SPRINKLERED(I)			NONSPRINKLERED		
	EXIT ENCLOSURES AND EXIT PASSAGEWAYS(a,b)	CORRIDORS	ROOMS AND ENCLOSED SPACES(c)	EXIT ENCLOSURES AND EXIT PASSAGEWAYS(a,b)	CORRIDORS	ROOMS AND ENCLOSED SPACES(c)
A-3(f), A-4, A-5	B	B	C	A	A(d)	C
B, E, M, R-1	B	C(m)	C	A	B	C

- a. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED FOR WAINSCOTTING OR PANELING OF NOT MORE THAN 1,000 SQFT OF APPLIED SURFACE AREA IN THE GRADE LOBBY WHERE APPLIED DIRECTLY TO A NONCOMBUSTIBLE BASE OR OVER FURRING STRIPS APPLIED TO A NONCOMBUSTIBLE BASE AND FIREBLOCKED AS REQUIRED BY SECTION 803.11.1.
- b. IN EXIT ENCLOSURES OF BUILDINGS LESS THAN THREE STORES ABOVE GRADE PLANE OF OTHER THAN GROUP 1-3, CLASS B INTERIOR FINISH FOR NONSPRINKLERED BUILDINGS AND CLASS C INTERIOR FINISH FOR SPRINKLERED BUILDINGS SHALL BE PERMITTED.
- c. REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES SHALL BE BASED UPON SPACES ENCLOSED BY PARTITIONS. WHERE A FIRE-RESISTANCE RATING IS REQUIRED FOR STRUCTURAL ELEMENTS, THE ENCLOSING PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. PARTITIONS THAT DO NOT COMPLY WITH THIS SHALL BE CONSIDERED ENCLOSING SPACES AND THE ROOMS OR GOVERNING FACTOR REGARDLESS OF THE GROUP CLASSIFICATION OF THE BUILDING OR STRUCTURE.
- d. LOBBY AREAS IN GROUP A-1, A-2, AND A-3 OCCUPANCIES SHALL NOT BE LESS THAN CLASS B MATERIALS.
- e. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN PLACES OF ASSEMBLY WITH AN OCCUPANT LOAD OF 300 PERSONS OR LESS.
- f. FOR PLACES OF RELIGIOUS WORSHIP, WOOD USED FOR ORNAMENTAL PURPOSES, TRUSSES, PANELING OR CHANCEL FURNISHING SHALL BE PERMITTED.
- g. CLASS B MATERIAL IS REQUIRED WHERE THE BUILDING EXCEEDS TWO STORIES.
- h. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ADMINISTRATIVE SPACES.
- i. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS.
- j. CLASS B MATERIALS SHALL BE PERMITTED AS WAINSCOTTING EXTENDING NOT MORE THAN 48 INCHES ABOVE THE FINISHED FLOOR IN CORRIDORS AND EXIT ACCESS STAIRWAYS AND RAMP.
- k. FINISH MATERIALS AS PROVIDED FOR IN OTHER SECTIONS OF THIS CODE.
- l. APPLIES WHEN PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.
- m. CORRIDORS IN AMBULATORY CARE FACILITIES SHALL BE PROVIDED WITH CLASS A OR B MATERIALS.

BUSINESS (B) OCCUPANCY:

GROSS SQUARE FOOTAGE OF FIRST FLOOR 74,774 SQ. FT.
 GROSS SQUARE FOOTAGE OF CLINIC SPACE 3,092 SQ. FT.
 TYPE OF CONSTRUCTION: I-B
 SPACE IS TO BE USED AS AN BUSINESS, B,
 OCCUPANT LOAD FOR CALCULATING EGRESS CAPACITY:
 SPACE OCCUPANCY BY NET SF =(PER 1004.1.1)
 (SEE TABLE ON THIS SHEET FOR INDIVIDUAL SPACE TOTALS)
 TOTAL OCCUPANT LOAD BY AREAS = 21 PERSONS (ACTUAL)
 TOTAL OCCUPANT LOAD BY BUSINESS USE = 3,092/100 = 31

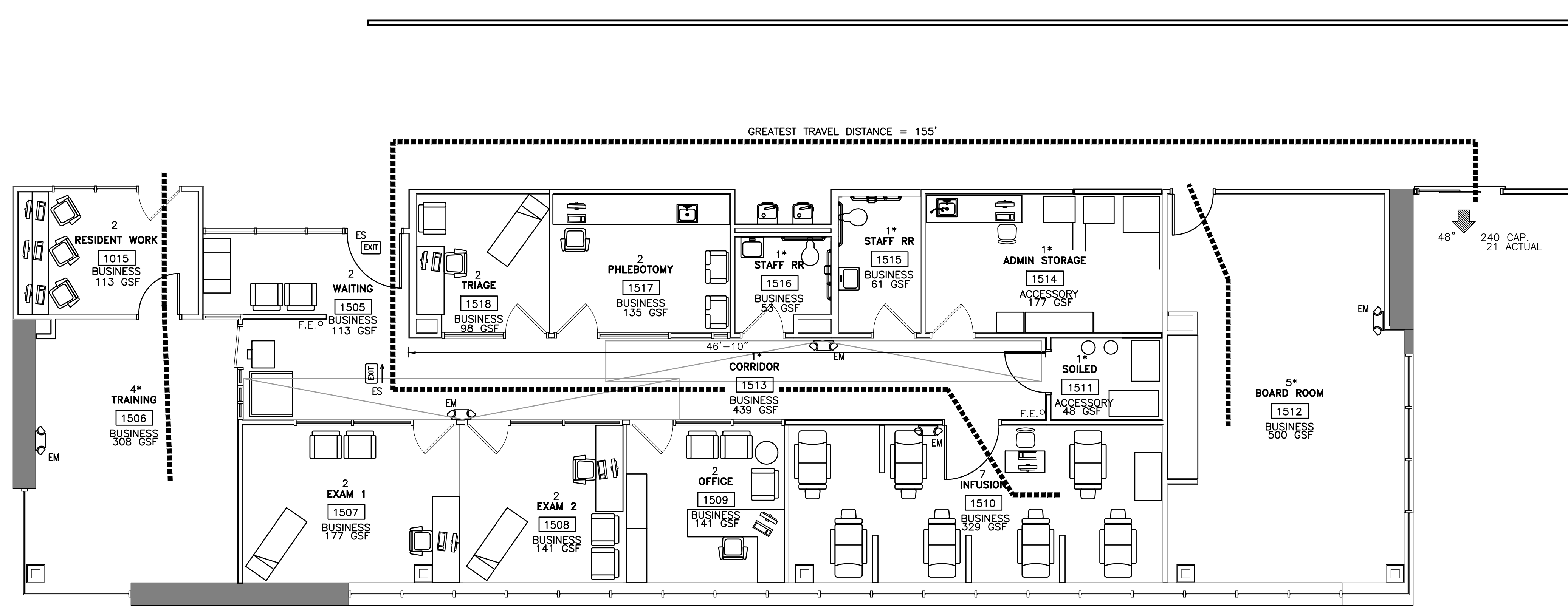
GREATEST TRAVEL DISTANCE SHOWN: 155 FEET. (PER TABLE 1017)
 MAXIMUM ALLOWABLE TRAVEL DISTANCE: 300 FEET (PER TABLE 1017.2.)
 THE COMMON PATH OF TRAVEL IS LESS THAN 100 FEET. (PER TABLE 1006.2.1)
 THERE ARE NO DEAD END CORRIDORS OVER 50 FEET. (PER NC 2018 IBC 1020.4)
 TYPICAL TENANT SPACE EXIT WIDTH CALCULATIONS:
 21 PERSONS * 0.2"/OCCUPANT = 4.8" REQUIRED, 48 INCHES TOTAL PROVIDED. (PER 1024.2)

MIN. NO. OF EXITS REQUIRED: ONE (1) (PER TABLE 1006.2.1)
 NUMBER OF EXITS PROVIDED: ONE (1) ACCESSIBLE

EGRESS DOORS DO NOT REQUIRE PANIC HARDWARE. (PER 1010.1.10)
 DOORS DO NOT HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.7)
 DOORS DO NOT HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)
 DOORS DO NOT HAVE HOLD OPEN DEVICES.
 THERE ARE NO EMERGENCY ESCAPE WINDOWS (PER 1030.5)
 THE FIRE AREA SQUARE FOOTAGE IS 3,092 SQUARE FEET (PER 903)
 THERE ARE NO SLEEPING AREAS (SMOKE COMPARTMENTS) (PER 407.2)

NO. OF FIRE EXTINGUISHERS PROVIDED: 2 ABC FIRE EXTINGUISHERS
 FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS REQUIRE NO GREATER THAN 75 FT OF MAXIMUM TRAVEL DISTANCE IN LOW, ORDINARY AND EXTRA HAZARD OCCUPANCY.

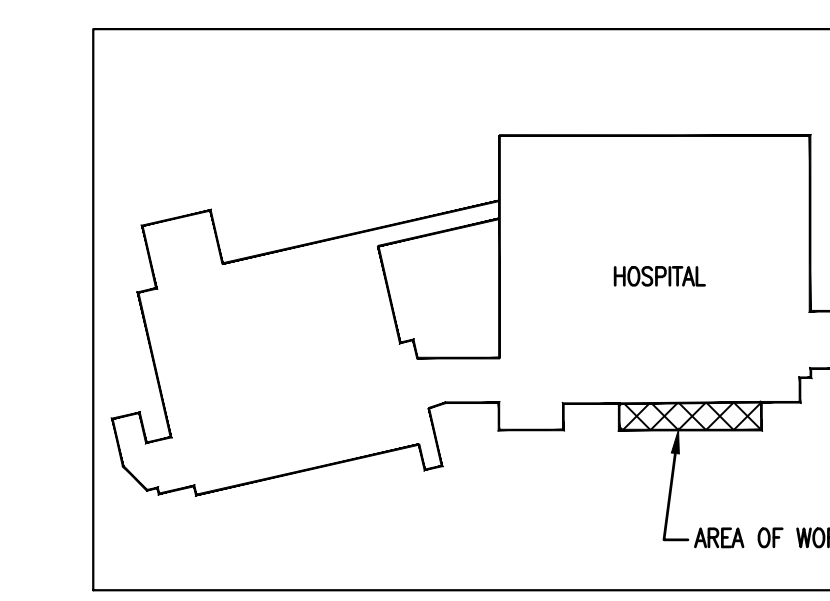
THERE IS A FIRE ALARM SYSTEM.
 BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM.
 LOCK BOX FOR KEY IS INSTALLED AT FRONT ENTRANCE. (AS REQ'D.)
 DUCT DETECTORS ARE INSTALLED IN AHU. AN AUDIBLE AND VISIBLE DEVICE IS PROVIDED FOR UNIT. (AS REQ'D)



1 LIFE SAFETY - EGRESS PLAN
 LS1 3/16" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION
F.E. O	ABC FIRE EXTINGUISHER SUGGESTED LOCATION
EXIT ROUTE	EXIT ROUTE
33"	GREATEST TRAVEL DISTANCE
165 CAP.	EXIT WIDTH, 36" - 3 = 33" CLEAR WIDTH. EXIT CAPACITY (NUMBER OF PERSONS)
22 ACTUAL	ACTUAL OCCUPANT LOAD FOR EXIT DOOR
EXIT	EXIT SIGN
EM	EMERGENCY EGRESS LIGHTING (SEE ELECTRICAL LIGHTING PLAN)
36"	AISLE WIDTH WHERE SHOWN
EXIT SIGN WITH EMERGENCY LIGHTING	EXIT SIGN WITH EMERGENCY LIGHTING
ROOM LABEL	DESCRIPTION
10	OCCUPANT TOTAL
RETAL	ROOM NAME
1	ROOM NUMBER
MERCANTILE	FUNCTION TYPE
100 SF	SPACE AREA



2 KEY PLAN
 LS1 N.T.S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

JE JENKINS
 CONSULTING ENGINEERS, P.A.
 OFFICE: 1000 SPANGLER DRIVE, RAYETTEVILLE, NC 28111-0002
 CORPORATION NUMBER C-3070 BUILDING NUMBER 910.622.4646
 FAX 910.622.4646

NORTH CAROLINA
 PROFESSIONAL ENGINEER
 License No. 4174
 CLASS L "BUILDING"
 21 Oct 2021

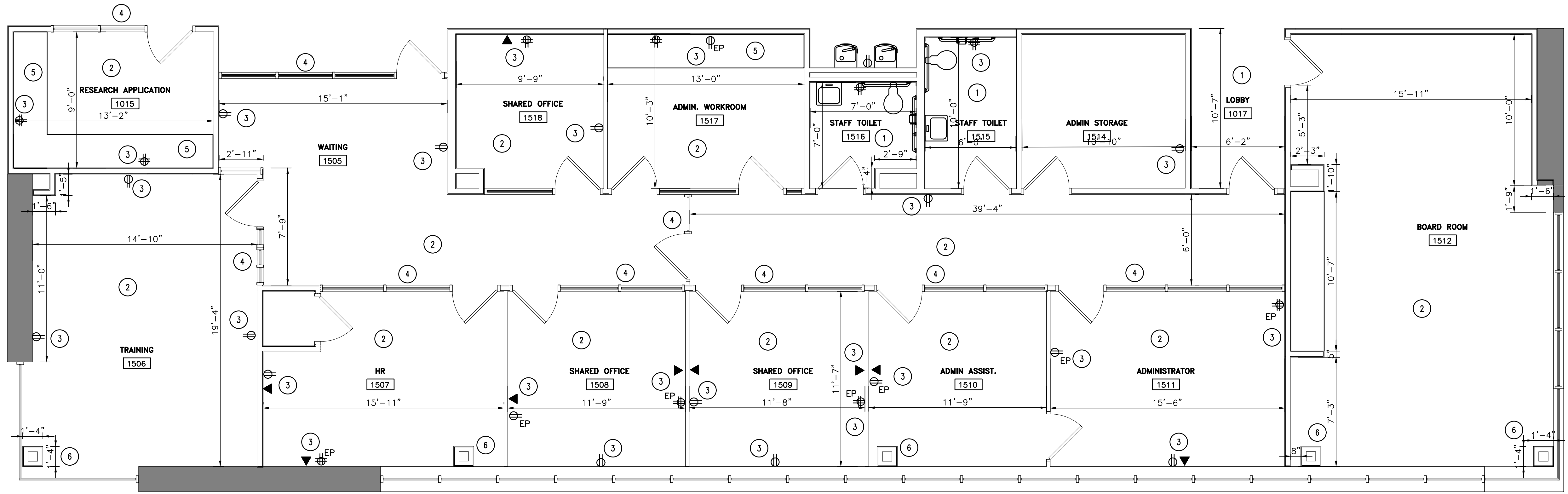
DESIGNED/CHECKED BY: **B. JENKINS**
 DRAWN BY: **MAW**
 PROJECT #: **—**
 DATE: **21 OCT 21**

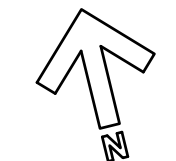
FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
 PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
 FINAL DRAWING [X] FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SYSTEMS**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2818 HAYWARD ROAD, SUITE 300, RAYETTEVILLE, NC 28133

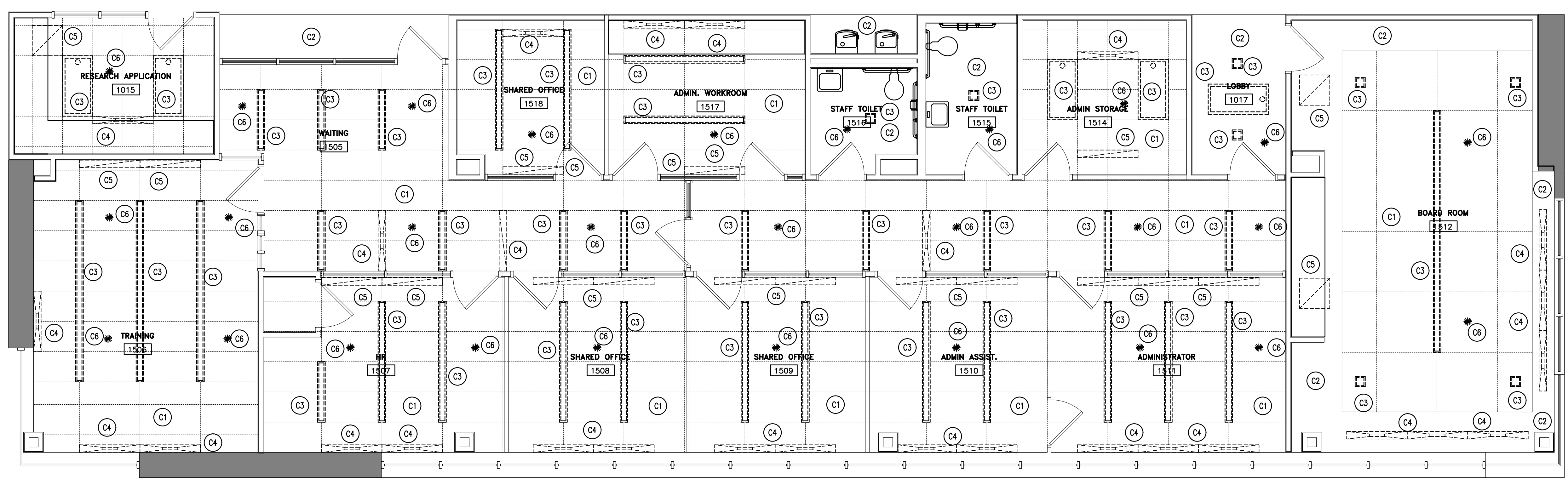
RAYWEST
 DESIGNBUILD

PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE, LILLINGTON, NC. 27546
 SHEET: **LIFE SAFETY - EGRESS PLAN**
LS1

Drawing File: H:\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: MAW
 Plotted Date: Oct 21, 2021 - 4:31pm
 1'-4" 2'-0" 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 16'-0" 18'-0" 20'-0" 22'-0" 24'-0" 26'-0" 28'-0" 30'-0" 32'-0" 34'-0" 36'-0" 38'-0" 40'-0" 42'-0" 44'-0" 46'-0" 48'-0" 50'-0" 52'-0" 54'-0" 56'-0" 58'-0" 60'-0" 62'-0" 64'-0" 66'-0" 68'-0" 70'-0" 72'-0" 74'-0" 76'-0" 78'-0" 80'-0" 82'-0" 84'-0" 86'-0" 88'-0" 90'-0" 92'-0" 94'-0" 96'-0" 98'-0" 100'-0"




1 EXISTING FLOOR PLAN
 G1 1/4" = 1'-0"



2 EXISTING REFLECTED CEILING PLAN
 G1 1/4" = 1'-0"

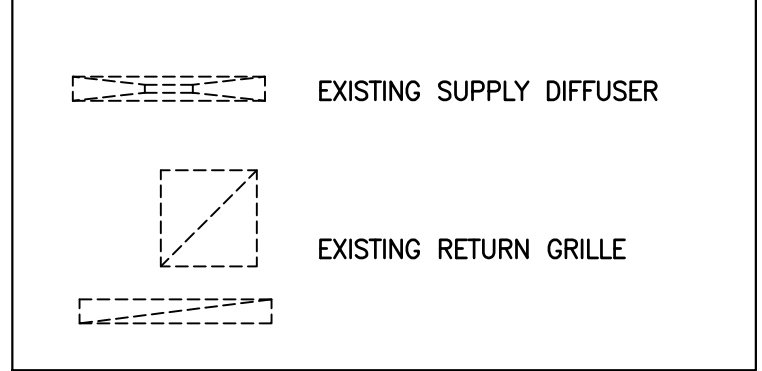
EXISTING CONDITIONS NOTES:

- 1 EXISTING CERAMIC TILE
- 2 EXISTING CARPET TILE
- 3 EXISTING ELECTRICAL RECEPTACLE/DATA
- 4 EXISTING GLASS WALL/INTERIOR STOREFRONT
- 5 EXISTING CABINET/COUNTERTOP
- 6 EXISTING COLUMN

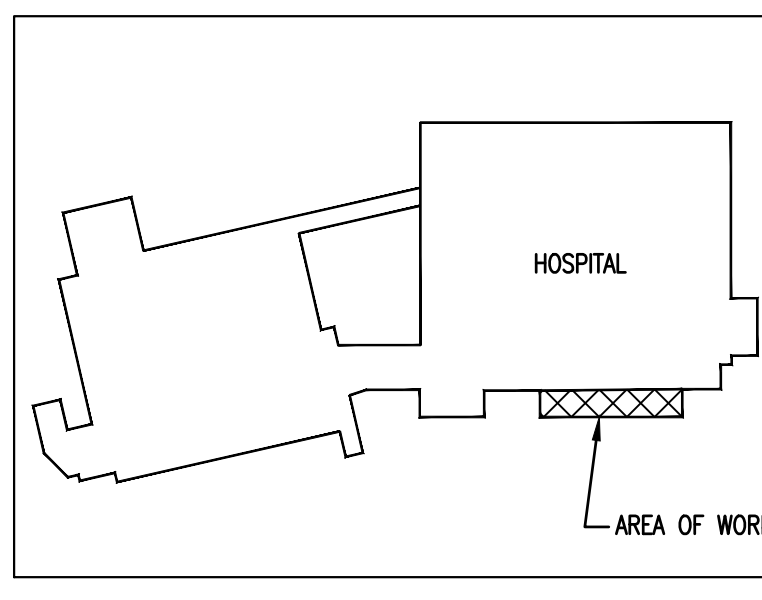
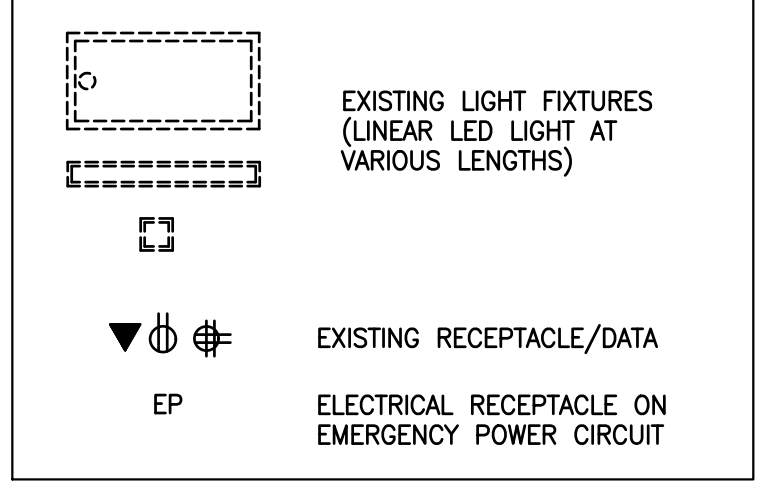
EXISTING REFLECTED CEILING NOTES:

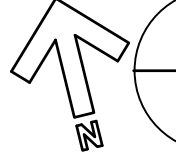
- C1 EXISTING LAY-IN CEILING/GRID
- C2 EXISTING HARD/GWB CEILING
- C3 EXISTING LIGHT FIXTURE
- C4 EXISTING SUPPLY DIFFUSER
- C5 EXISTING RETURN GRILLE
- C6 EXISTING SPRINKLER HEAD

EXISTING MECHANICAL SYMBOLS:



EXISTING ELECTRICAL SYMBOLS:




3 KEY PLAN
 G1 N.T.S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM



DESIGNED/CHECKED BY: **B. JENKINS**
 DRAWN BY: **MAW**
 PROJECT #: **21 OCT 21**
 DATE:

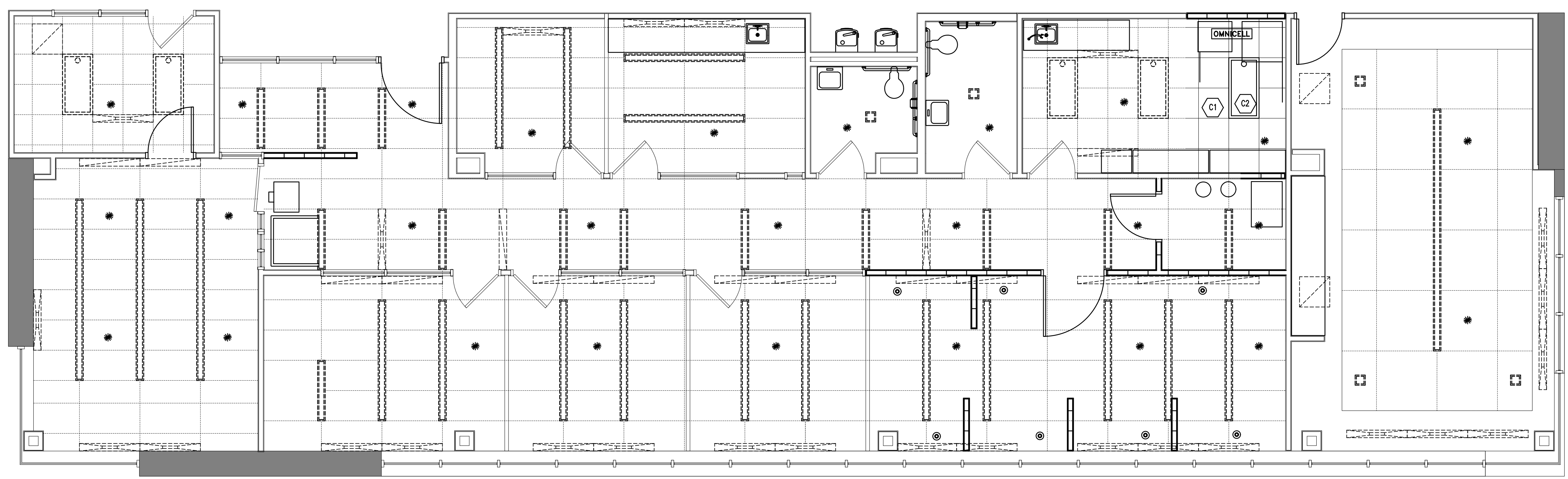
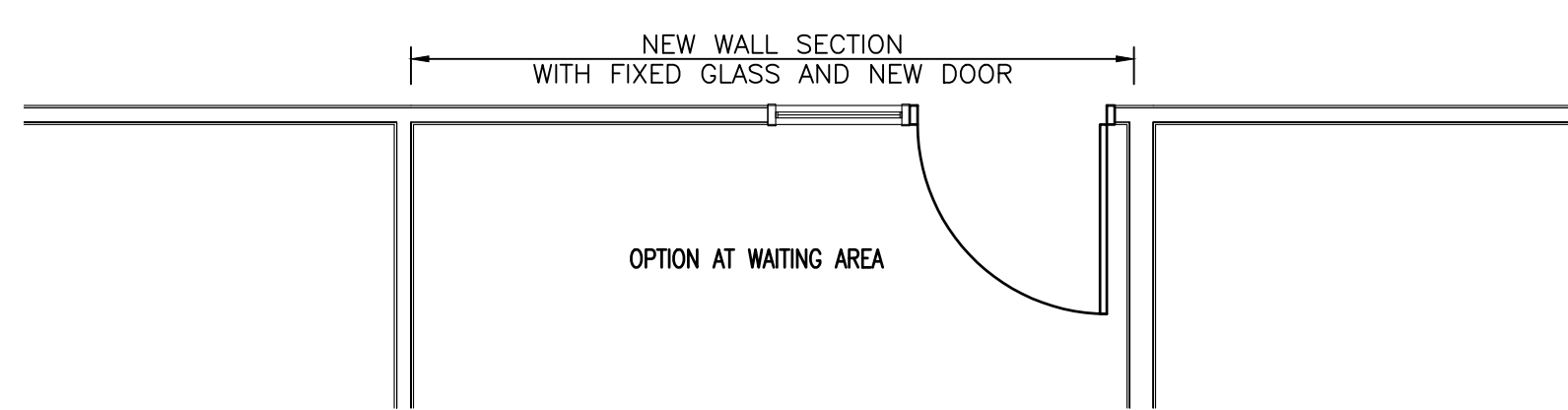
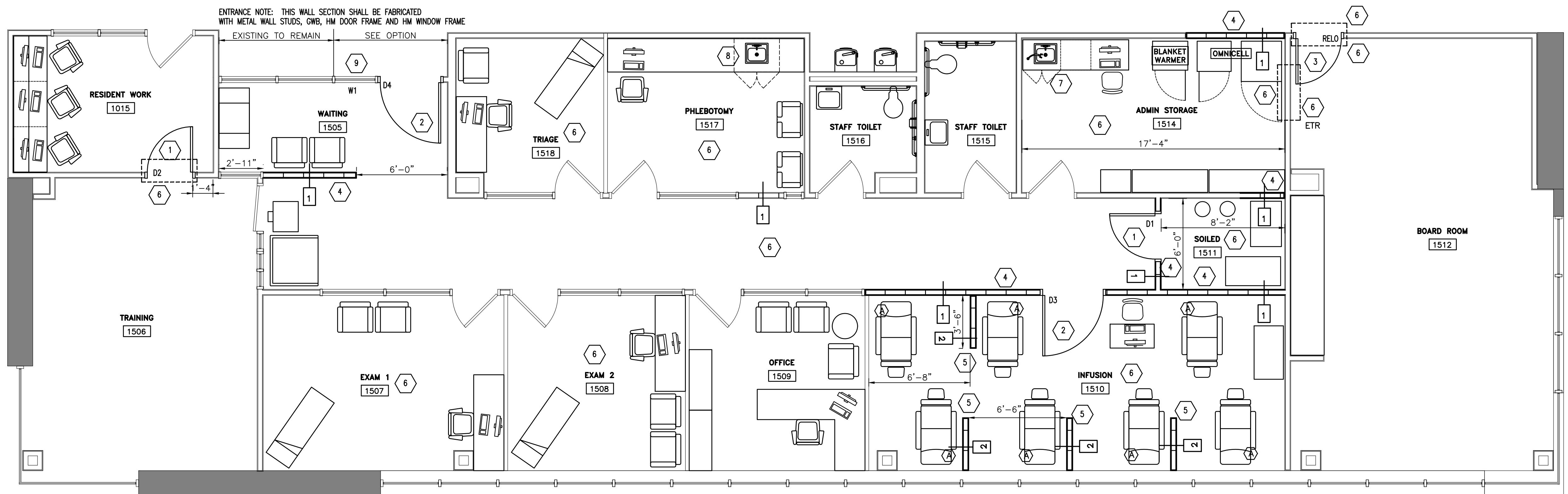
FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
 PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
 FINAL DRAWING [X] FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SYSTEMS**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2618 HAZARD ROAD, SUITE 300 FAYETTEVILLE, NC 28403

RAYWEST
 DESIGNBUILD

PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546
 SHEET: **EXISTING FLOOR/REFLECTED CEILING PLAN**

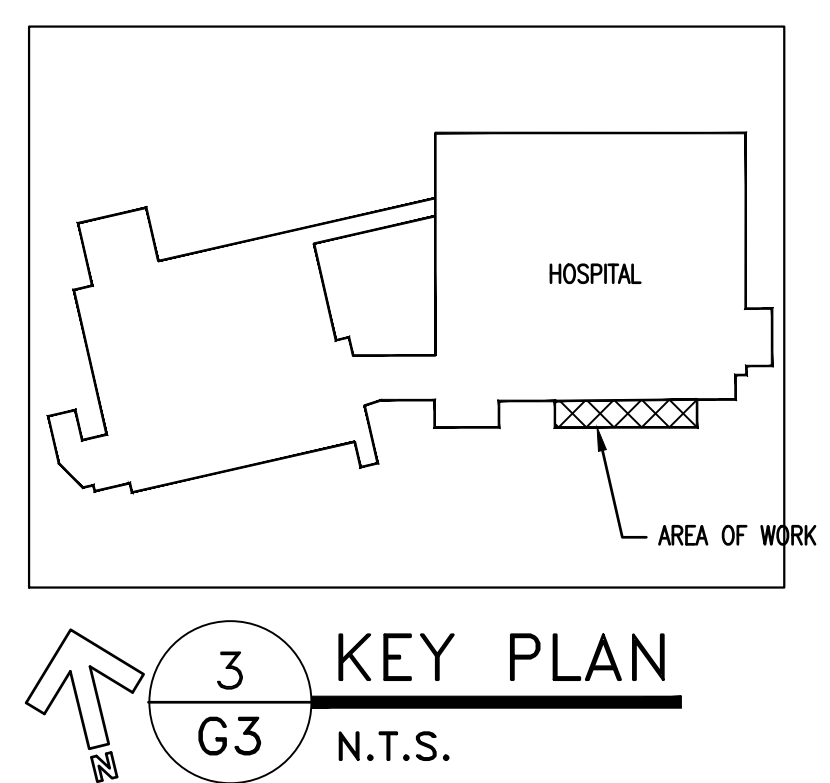
G1

Drawing File: H:\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: MAW
 Plotted Date: Oct 21, 2021 - 4:32pm
 Scale: 1/8" = 1'-0" (0' 8" to 16')
 Scale: 1/16" = 1'-0" (0' 2" to 10'-8")
 Scale: 1/4" = 1'-0" (0' 4" to 2'-8")
 Scale: 1/2" = 1'-0" (0' 8" to 4'-0")
 Scale: 3/4" = 1'-0" (0' 11" to 4'-11")
 Scale: 1" = 1'-0" (0' 0" to 12'-0")
 Scale: 1 1/2" = 1'-0" (0' 0" to 18'-0")
 Scale: 2" = 1'-0" (0' 0" to 24'-0")
 Scale: 1 1/4" = 1'-0" (0' 0" to 15'-0")
 Scale: 1 1/2" = 1'-0" (0' 0" to 18'-0")
 Scale: 1 3/4" = 1'-0" (0' 0" to 21'-0")
 Scale: 2" = 1'-0" (0' 0" to 24'-0")
 Scale: 2 1/4" = 1'-0" (0' 0" to 27'-0")
 Scale: 2 1/2" = 1'-0" (0' 0" to 30'-0")
 Scale: 2 3/4" = 1'-0" (0' 0" to 33'-0")
 Scale: 3" = 1'-0" (0' 0" to 36'-0")
 Scale: 3 1/4" = 1'-0" (0' 0" to 39'-0")
 Scale: 3 1/2" = 1'-0" (0' 0" to 42'-0")
 Scale: 3 3/4" = 1'-0" (0' 0" to 45'-0")
 Scale: 4" = 1'-0" (0' 0" to 48'-0")
 Scale: 4 1/4" = 1'-0" (0' 0" to 51'-0")
 Scale: 4 1/2" = 1'-0" (0' 0" to 54'-0")
 Scale: 4 3/4" = 1'-0" (0' 0" to 57'-0")
 Scale: 5" = 1'-0" (0' 0" to 60'-0")
 Scale: 5 1/4" = 1'-0" (0' 0" to 63'-0")
 Scale: 5 1/2" = 1'-0" (0' 0" to 66'-0")
 Scale: 5 3/4" = 1'-0" (0' 0" to 69'-0")
 Scale: 6" = 1'-0" (0' 0" to 72'-0")
 Scale: 6 1/4" = 1'-0" (0' 0" to 75'-0")
 Scale: 6 1/2" = 1'-0" (0' 0" to 78'-0")
 Scale: 6 3/4" = 1'-0" (0' 0" to 81'-0")
 Scale: 7" = 1'-0" (0' 0" to 84'-0")
 Scale: 7 1/4" = 1'-0" (0' 0" to 87'-0")
 Scale: 7 1/2" = 1'-0" (0' 0" to 90'-0")
 Scale: 7 3/4" = 1'-0" (0' 0" to 93'-0")
 Scale: 8" = 1'-0" (0' 0" to 96'-0")
 Scale: 8 1/4" = 1'-0" (0' 0" to 99'-0")
 Scale: 8 1/2" = 1'-0" (0' 0" to 102'-0")
 Scale: 8 3/4" = 1'-0" (0' 0" to 105'-0")
 Scale: 9" = 1'-0" (0' 0" to 108'-0")
 Scale: 9 1/4" = 1'-0" (0' 0" to 111'-0")
 Scale: 9 1/2" = 1'-0" (0' 0" to 114'-0")
 Scale: 9 3/4" = 1'-0" (0' 0" to 117'-0")
 Scale: 10" = 1'-0" (0' 0" to 120'-0")
 Scale: 10 1/4" = 1'-0" (0' 0" to 123'-0")
 Scale: 10 1/2" = 1'-0" (0' 0" to 126'-0")
 Scale: 10 3/4" = 1'-0" (0' 0" to 129'-0")
 Scale: 11" = 1'-0" (0' 0" to 132'-0")
 Scale: 11 1/4" = 1'-0" (0' 0" to 135'-0")
 Scale: 11 1/2" = 1'-0" (0' 0" to 138'-0")
 Scale: 11 3/4" = 1'-0" (0' 0" to 141'-0")
 Scale: 12" = 1'-0" (0' 0" to 144'-0")
 Scale: 12 1/4" = 1'-0" (0' 0" to 147'-0")
 Scale: 12 1/2" = 1'-0" (0' 0" to 150'-0")
 Scale: 12 3/4" = 1'-0" (0' 0" to 153'-0")
 Scale: 13" = 1'-0" (0' 0" to 156'-0")
 Scale: 13 1/4" = 1'-0" (0' 0" to 159'-0")
 Scale: 13 1/2" = 1'-0" (0' 0" to 162'-0")
 Scale: 13 3/4" = 1'-0" (0' 0" to 165'-0")
 Scale: 14" = 1'-0" (0' 0" to 168'-0")
 Scale: 14 1/4" = 1'-0" (0' 0" to 171'-0")
 Scale: 14 1/2" = 1'-0" (0' 0" to 174'-0")
 Scale: 14 3/4" = 1'-0" (0' 0" to 177'-0")
 Scale: 15" = 1'-0" (0' 0" to 180'-0")
 Scale: 15 1/4" = 1'-0" (0' 0" to 183'-0")
 Scale: 15 1/2" = 1'-0" (0' 0" to 186'-0")
 Scale: 15 3/4" = 1'-0" (0' 0" to 189'-0")
 Scale: 16" = 1'-0" (0' 0" to 192'-0")
 Scale: 16 1/4" = 1'-0" (0' 0" to 195'-0")
 Scale: 16 1/2" = 1'-0" (0' 0" to 198'-0")
 Scale: 16 3/4" = 1'-0" (0' 0" to 201'-0")
 Scale: 17" = 1'-0" (0' 0" to 204'-0")
 Scale: 17 1/4" = 1'-0" (0' 0" to 207'-0")
 Scale: 17 1/2" = 1'-0" (0' 0" to 210'-0")
 Scale: 17 3/4" = 1'-0" (0' 0" to 213'-0")
 Scale: 18" = 1'-0" (0' 0" to 216'-0")
 Scale: 18 1/4" = 1'-0" (0' 0" to 219'-0")
 Scale: 18 1/2" = 1'-0" (0' 0" to 222'-0")
 Scale: 18 3/4" = 1'-0" (0' 0" to 225'-0")
 Scale: 19" = 1'-0" (0' 0" to 228'-0")
 Scale: 19 1/4" = 1'-0" (0' 0" to 231'-0")
 Scale: 19 1/2" = 1'-0" (0' 0" to 234'-0")
 Scale: 19 3/4" = 1'-0" (0' 0" to 237'-0")
 Scale: 20" = 1'-0" (0' 0" to 240'-0")
 Scale: 20 1/4" = 1'-0" (0' 0" to 243'-0")
 Scale: 20 1/2" = 1'-0" (0' 0" to 246'-0")
 Scale: 20 3/4" = 1'-0" (0' 0" to 249'-0")
 Scale: 21" = 1'-0" (0' 0" to 252'-0")
 Scale: 21 1/4" = 1'-0" (0' 0" to 255'-0")
 Scale: 21 1/2" = 1'-0" (0' 0" to 258'-0")
 Scale: 21 3/4" = 1'-0" (0' 0" to 261'-0")
 Scale: 22" = 1'-0" (0' 0" to 264'-0")
 Scale: 22 1/4" = 1'-0" (0' 0" to 267'-0")
 Scale: 22 1/2" = 1'-0" (0' 0" to 270'-0")
 Scale: 22 3/4" = 1'-0" (0' 0" to 273'-0")
 Scale: 23" = 1'-0" (0' 0" to 276'-0")
 Scale: 23 1/4" = 1'-0" (0' 0" to 279'-0")
 Scale: 23 1/2" = 1'-0" (0' 0" to 282'-0")
 Scale: 23 3/4" = 1'-0" (0' 0" to 285'-0")
 Scale: 24" = 1'-0" (0' 0" to 288'-0")
 Scale: 24 1/4" = 1'-0" (0' 0" to 291'-0")
 Scale: 24 1/2" = 1'-0" (0' 0" to 294'-0")
 Scale: 24 3/4" = 1'-0" (0' 0" to 297'-0")
 Scale: 25" = 1'-0" (0' 0" to 300'-0")
 Scale: 25 1/4" = 1'-0" (0' 0" to 303'-0")
 Scale: 25 1/2" = 1'-0" (0' 0" to 306'-0")
 Scale: 25 3/4" = 1'-0" (0' 0" to 309'-0")
 Scale: 26" = 1'-0" (0' 0" to 312'-0")
 Scale: 26 1/4" = 1'-0" (0' 0" to 315'-0")
 Scale: 26 1/2" = 1'-0" (0' 0" to 318'-0")
 Scale: 26 3/4" = 1'-0" (0' 0" to 321'-0")
 Scale: 27" = 1'-0" (0' 0" to 324'-0")
 Scale: 27 1/4" = 1'-0" (0' 0" to 327'-0")
 Scale: 27 1/2" = 1'-0" (0' 0" to 330'-0")
 Scale: 27 3/4" = 1'-0" (0' 0" to 333'-0")
 Scale: 28" = 1'-0" (0' 0" to 336'-0")
 Scale: 28 1/4" = 1'-0" (0' 0" to 339'-0")
 Scale: 28 1/2" = 1'-0" (0' 0" to 342'-0")
 Scale: 28 3/4" = 1'-0" (0' 0" to 345'-0")
 Scale: 29" = 1'-0" (0' 0" to 348'-0")
 Scale: 29 1/4" = 1'-0" (0' 0" to 351'-0")
 Scale: 29 1/2" = 1'-0" (0' 0" to 354'-0")
 Scale: 29 3/4" = 1'-0" (0' 0" to 357'-0")
 Scale: 30" = 1'-0" (0' 0" to 360'-0")



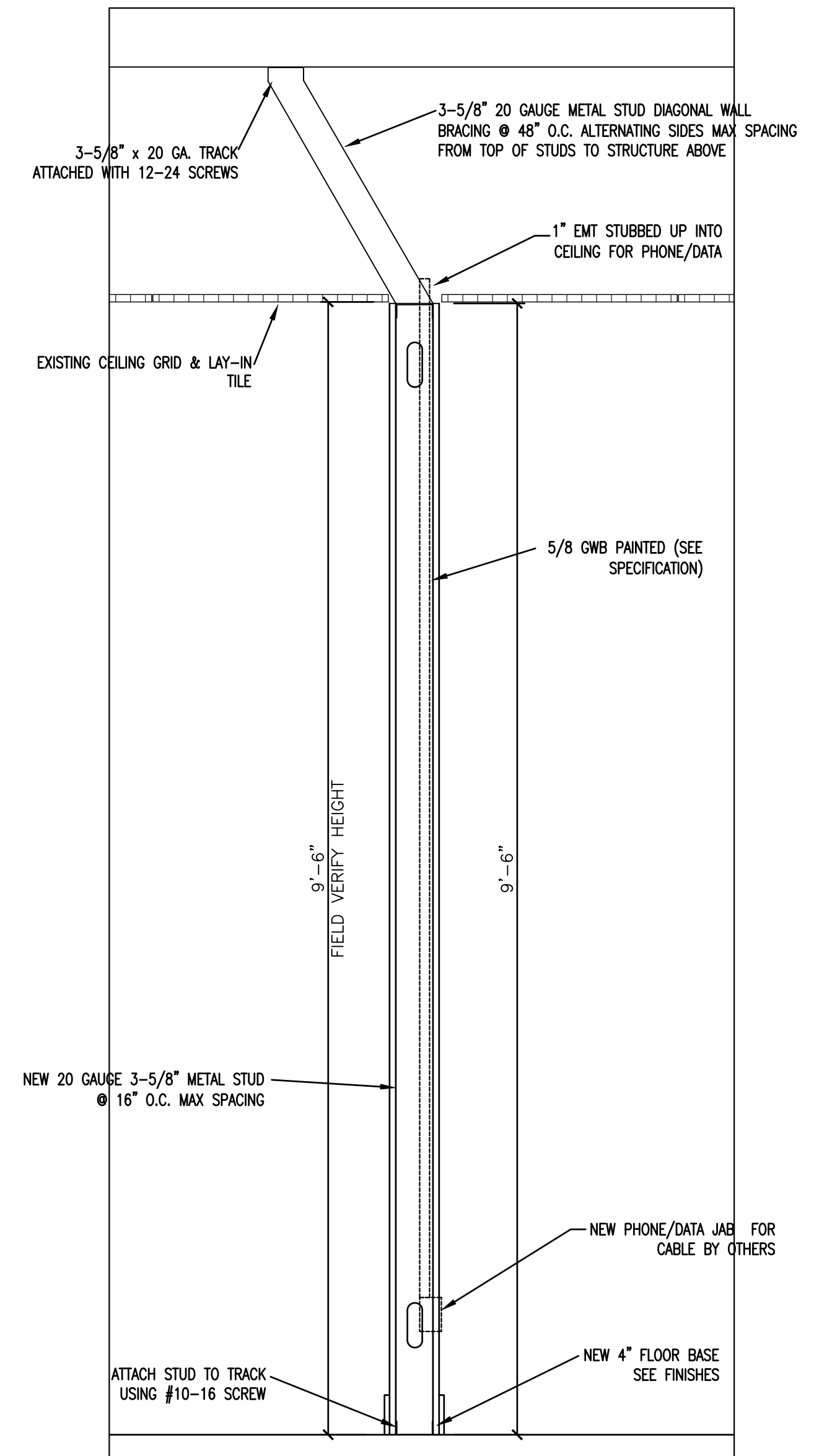
- NEW CONSTRUCTION NOTES:**
- 1 NEW 36" DOOR AND FRAME
 - 2 NEW 48" DOOR AND FRAME
 - 3 RELOCATED 36" DOOR AND FRAME
 - 4 NEW WALL (TYPICAL CONSTRUCTION) SEE SECTION
 - 5 NEW 42" PONY WALL (SEE DETAIL SHEET G4)
 - 6 PREP FLOOR FOR NEW FINISHES
 - 7 NEW WORK SURFACE, BASE CABINET WITH SINK AND EYE WASH SYSTEM
 - 8 NEW SINK IN EXISTING COUNTERTOP INSTALL CABINET BELOW FOR LIFT PUMP
 - 9 NEW WINDOW TO FIT NEW 48" DOOR MATCH EXISTING WINDOW CONSTRUCTION
- NEW REFLECTED CEILING NOTES:**
- C1 NEW LAY-IN CEILING AND GRID MATCH EXISTING
 - C2 RELOCATED LIGHT FIXTURE FROM PREVIOUS LOBBY

SYMBOL	DESCRIPTION
	EXISTING DOOR AND FRAME
	NEW DOOR AND FRAME TO MATCH EXISTING
	EXISTING WALL TO REMAIN
	NEW WALL AND WALL STYLE
	EXISTING SUPPLY DIFFUSER
	EXISTING RETURN GRILLE
	RELOCATED LIGHT FIXTURE
	NEW 6" LED PENDANT LIGHT FIXTURE
	EXISTING LIGHT FIXTURES (LINEAR LED LIGHT AT VARIOUS LENGTHS)
	EXISTING SPRINKLER HEAD

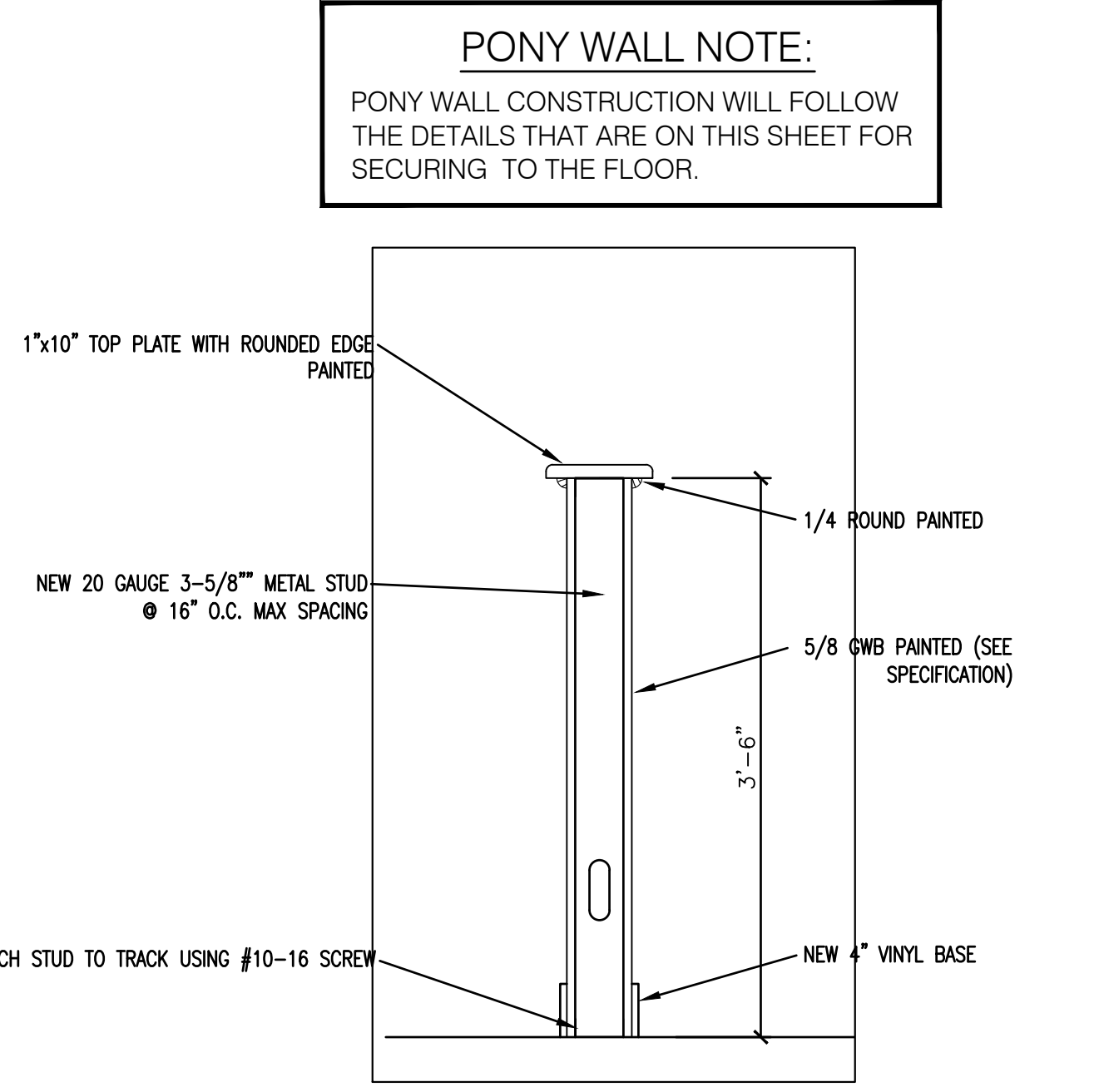


THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

Drawing File: HA\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: MAW
 Plotted Date: Oct 21, 2021 - 4:32pm



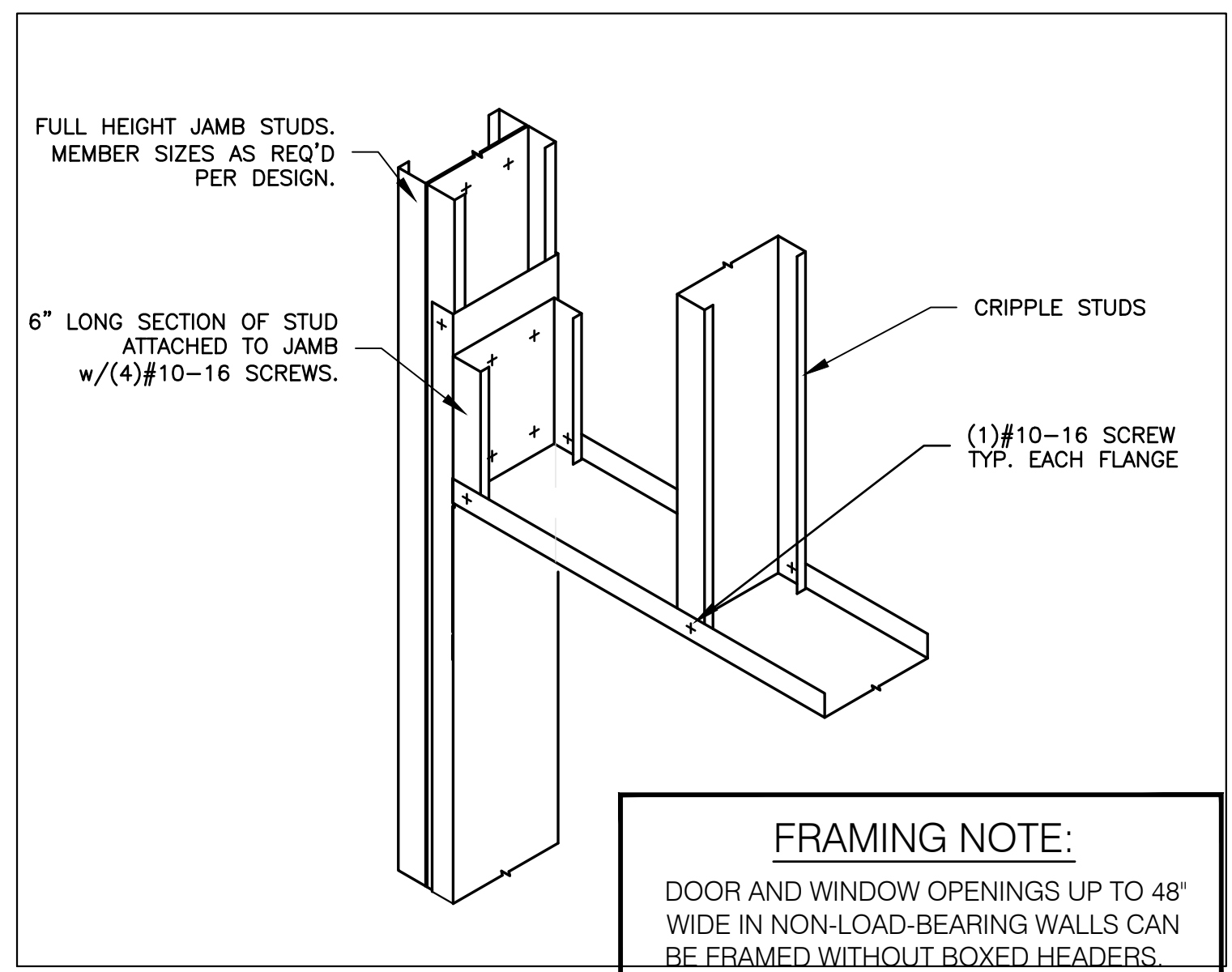
1 TYP. WALL SECT.
G4 1" = 1'-0"



1A TYP. WALL SECT. (PONY WALL)
G4 1" = 1'-0"

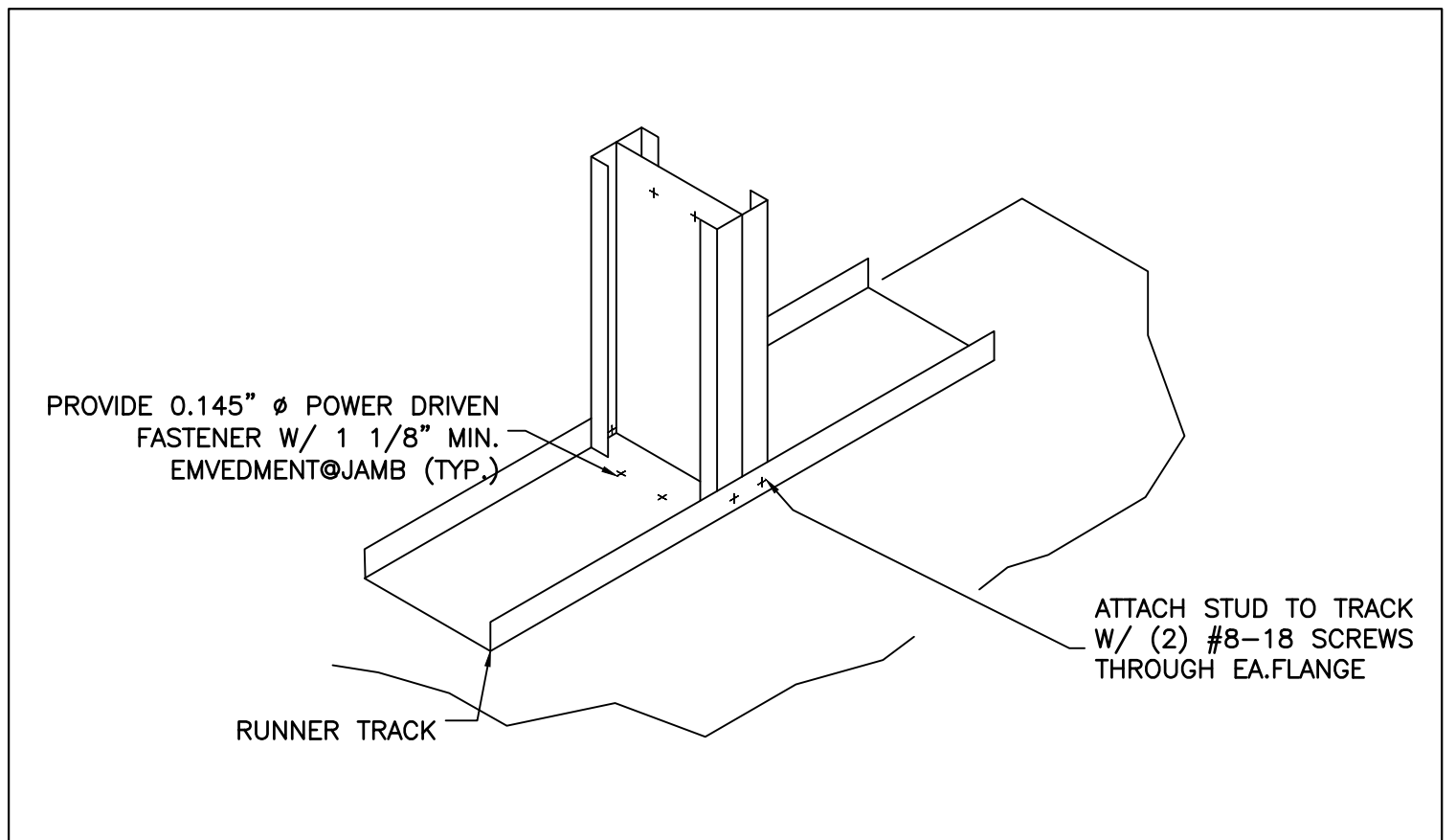
PONY WALL NOTE:
PONY WALL CONSTRUCTION WILL FOLLOW THE DETAILS THAT ARE ON THIS SHEET FOR SECURING TO THE FLOOR.

WALL & PARTITION LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	NEW INTERIOR PARTITION CONSTRUCTED OF 5/8" INTERIOR GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUD WALLS. INSTALL 3.5" SOUND BATTS IN WALL.	2	NEW PONY WALL (42" TALL) CONSTRUCTED OF 5/8" INTERIOR GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUD WALLS.

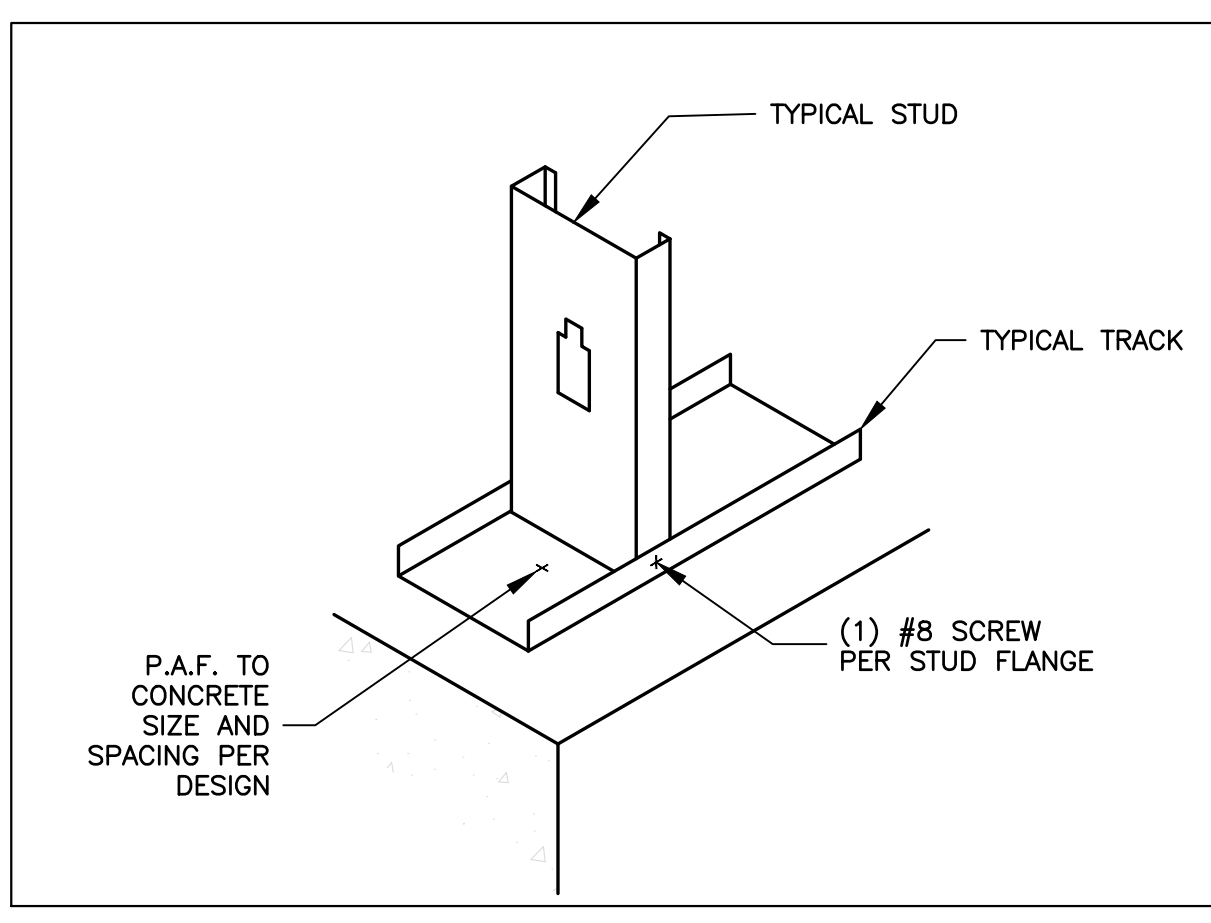


2 HEADER DETAIL
G4 USE AT SPANS 48" OR LESS

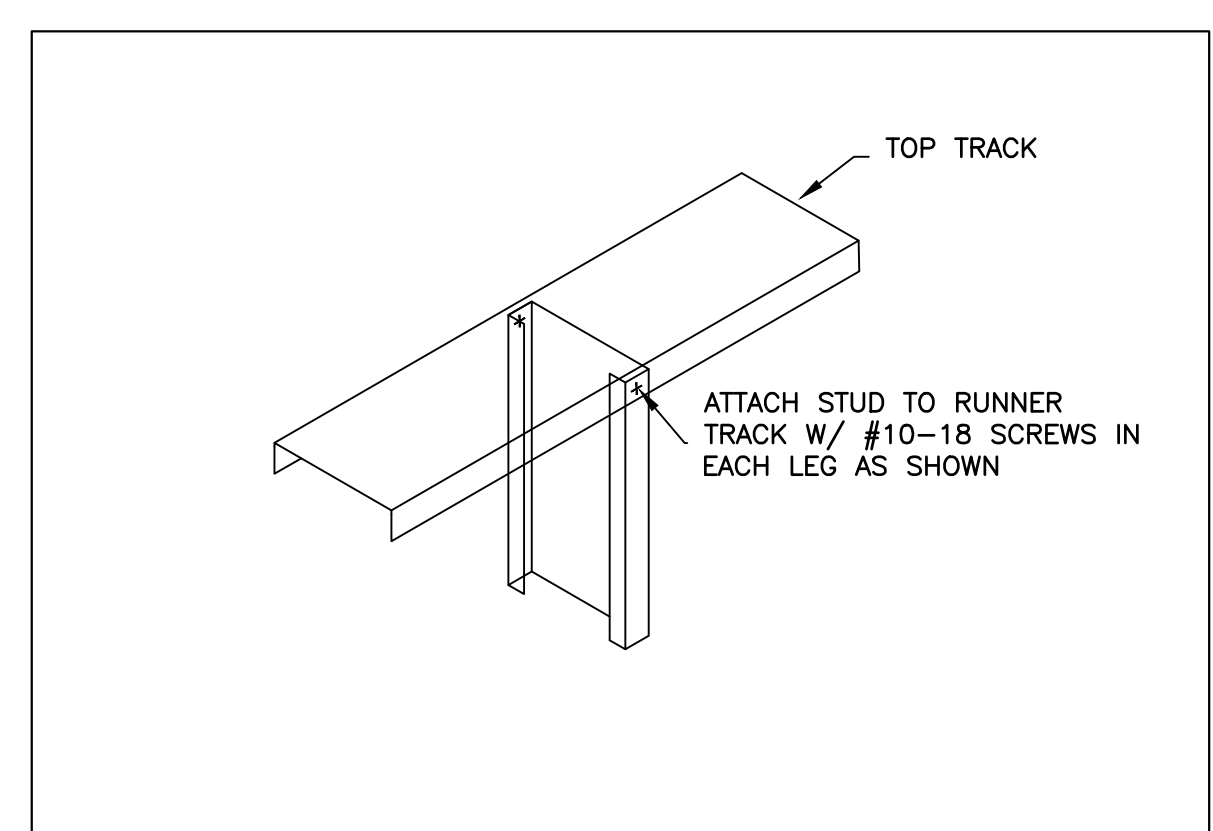
FRAMING NOTE:
DOOR AND WINDOW OPENINGS UP TO 48" WIDE IN NON-LOAD-BEARING WALLS CAN BE FRAMED WITHOUT BOXED HEADERS.



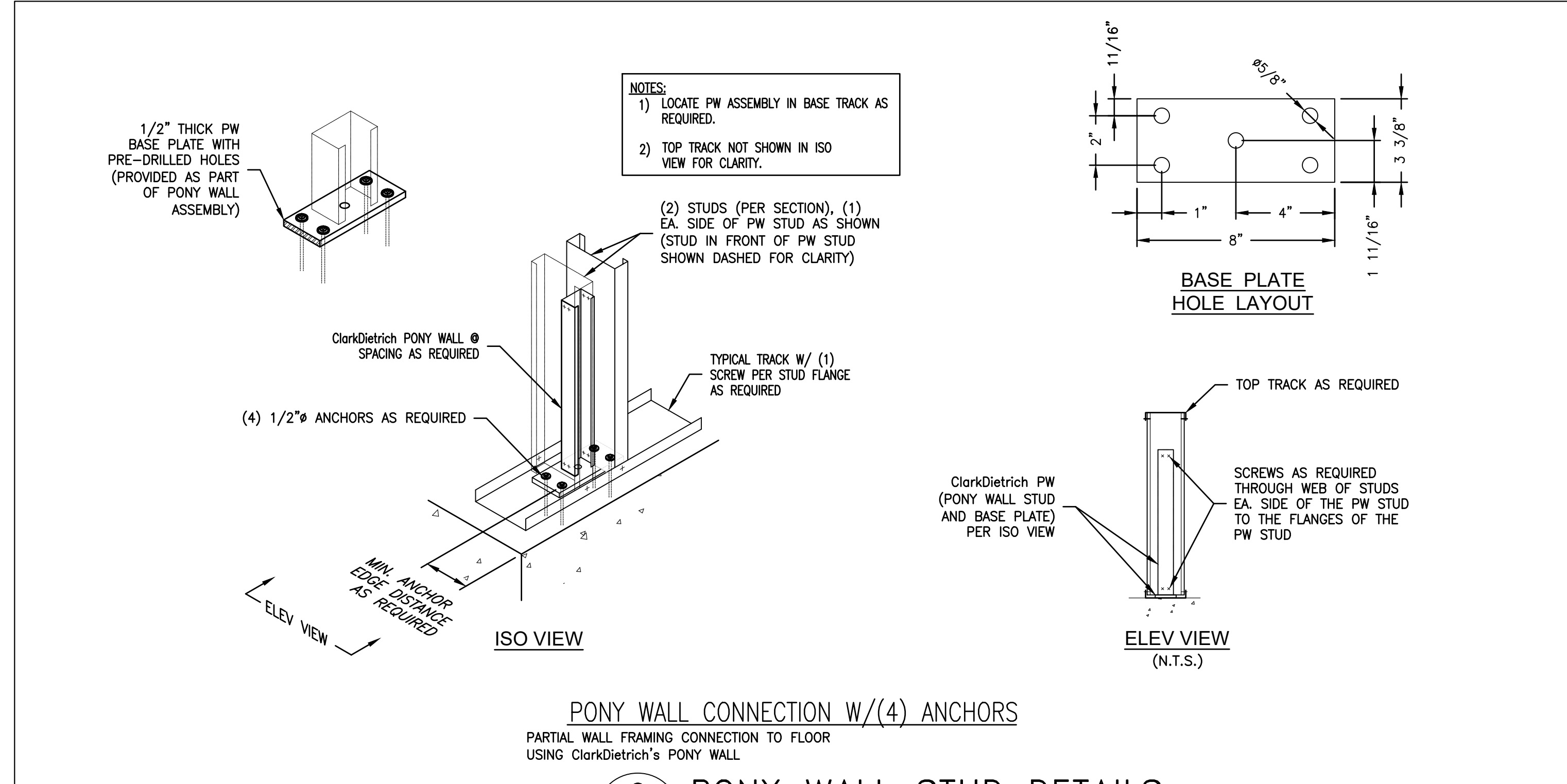
4 ANCHORAGE AT JAMB
G4 N.T.S.



3 STUD BASE DETAIL
G4 N.T.S.



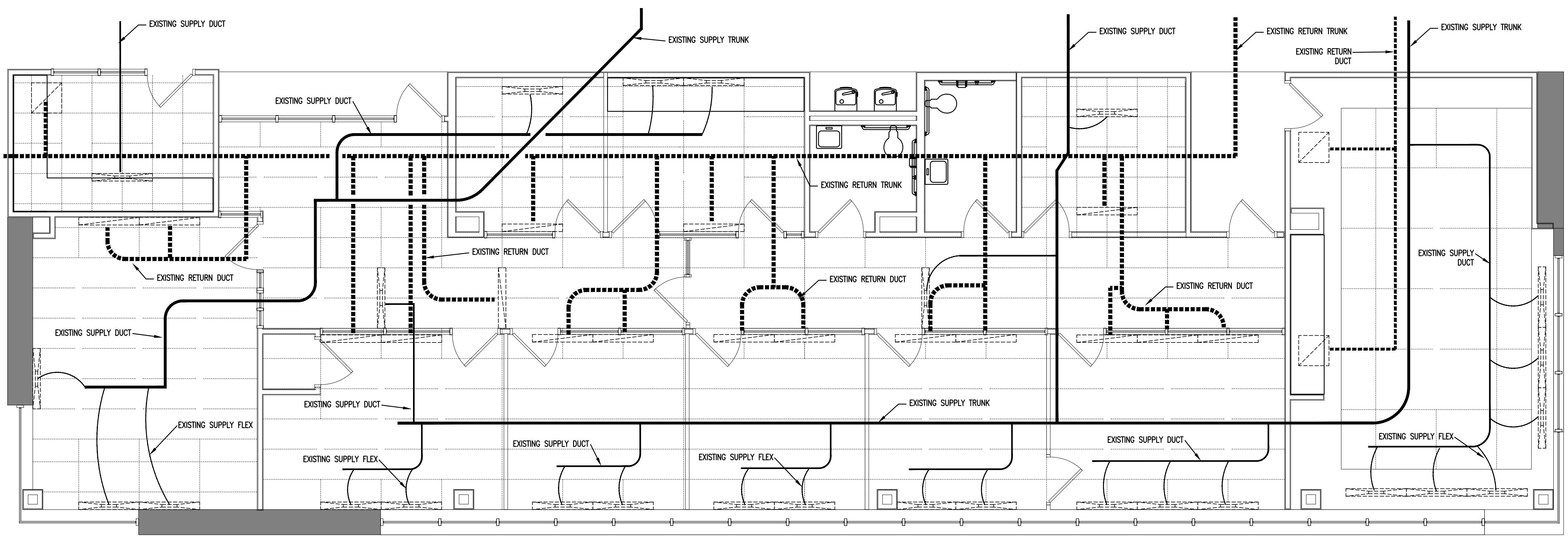
5 STUD TO TOP TRACK CONNECTION
G4 N.T.S.



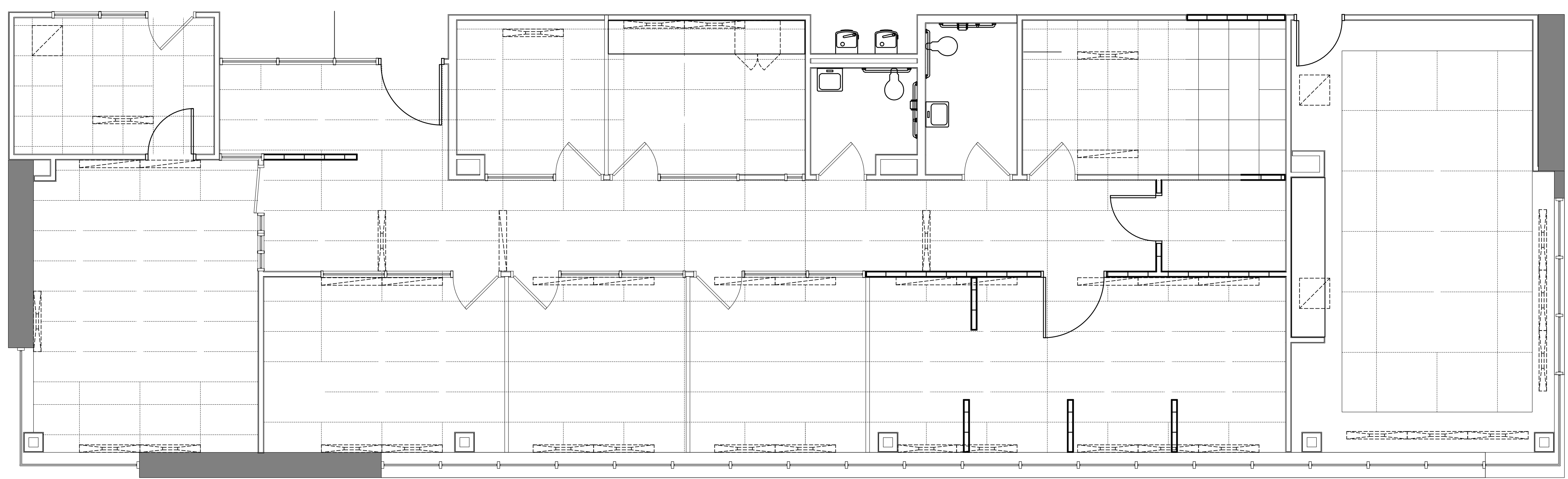
6 PONY WALL STUD DETAILS
G4 N. T. S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

Drawing File: H:\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: MZW
 Plotted Date: Oct 21, 2021 - 4:33pm




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

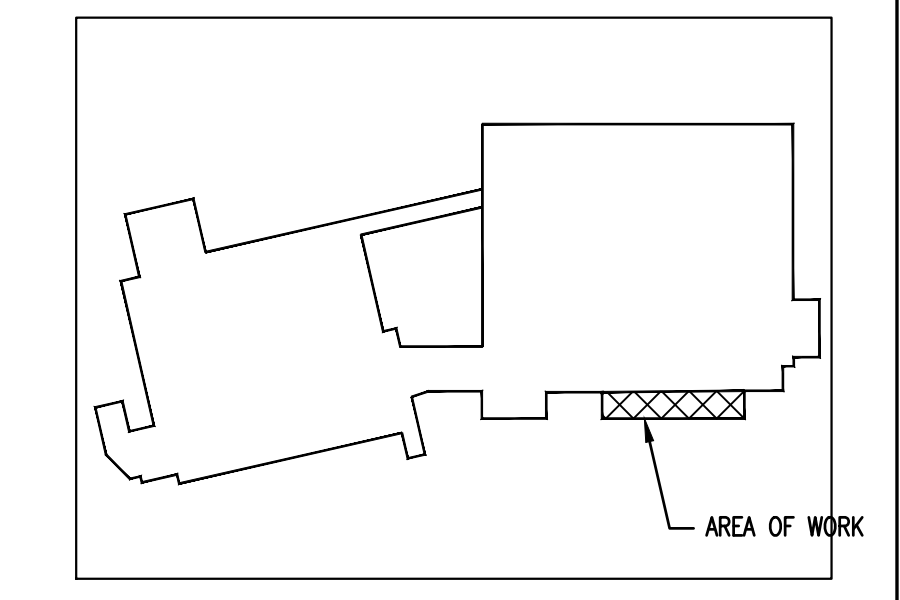
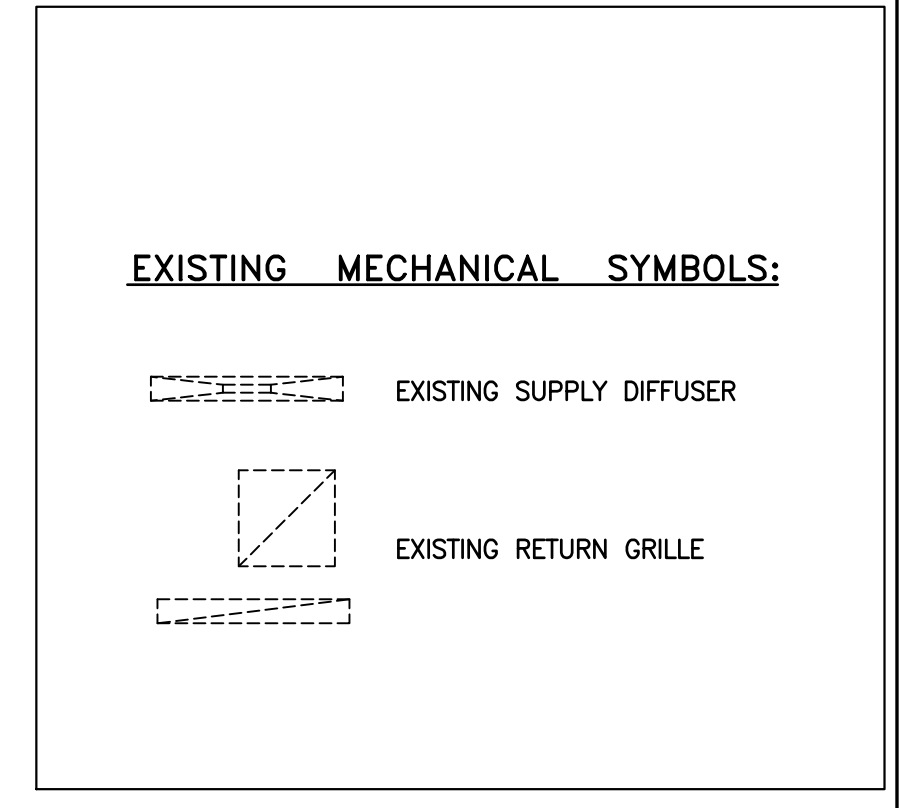


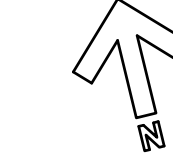
2 MECHANICAL FLOOR PLAN
 1/4" = 1'-0"
 NO MECHANICAL WORK REQUIRED

IT IS THE PURPOSE OF THESE DRAWINGS TO SHOW THE INTENT OF THIS SYSTEM DESIGN. EVERY EFFORT HAS BEEN MADE TO ACCURATELY SHOW EXISTING CONDITIONS-- ANY DEVIATION TO THESE DRAWINGS UNCOVERED DURING NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF GENERAL CONTRACTOR OR ENGINEER BEFORE ALTERING THIS DESIGN.

MECHANICAL SCOPE OF WORK:
 MEDICAL OFFICES ARE BEING CONVERTED INTO AN OUTPATIENT CANCER CLINIC. EXISTING OFFICES WILL BECOME EXAM, TRIAGE, PHLEBOTOMY AND INFUSION ROOMS. NO WORK TO THE MECHANICAL WILL BE REQUIRED AS THE USE/OCCUPANCY TYPE WILL NOT CHANGE. NO DIFFUSERS OR RETURN GRILLES WILL BE RELOCATED OR DELETED IN ANY OF THE ROOMS THAT WILL BE RENAMED.

NOTE TO PLAN CHECKER:
 NO NEW COOLING/HEATING CAPACITY ADDED




3 KEY PLAN
 N.T.S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

ELECTRICAL NOTES:

ALL WORK SHALL BE IN ACCORDANCE WITH 2017 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 CANNOT BE USED IN THIS PROJECT.

FMT SHALL BE GALVANIZED STEEL TUBING 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUNIT 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, POLYVINYLCHLORIDE (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, MC CABLE SHALL BE HOSPITAL GRADE.

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 RECEPTACLES WITHIN THE FOLLOWING COMMERCIAL SPACES SHALL BE TAMPER RESISTANT PER 2017 NEC 406.12: MOTEL GUEST/SUITE ROOMS, CHILD CARE FACILITIES, PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES, BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE AT (CLINICS, MEDICAL AND DENTAL OFFICES, AND OUTPATIENT FACILITIES), SUBSET OF ASSEMBLY OCCUPANCIES DESCRIBED 518.2 TO INCLUDE PLACES OF WAITING TRANSPORTATION, GYMNASIUMS, SKATING RINKS, AND AUDITORIUMS, AND DORMITORIES.

ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NEPA REQUIREMENTS.

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. RECEPTACLES SHALL BE HOSPITAL GRADE, GREEN DOT IN PATIENT CARE AREAS.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED IN HIS CONTRACT AND SHALL REPLACE 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.

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	SIZE	MOUNTING	LENS	COLOR	LUMENS OUTPUT	BULB	BALLAST TYPE	HOUSING	VOLTAGE	WATTAGE	MANU/MODEL NUMBER	REMARKS
A	LED RECESSED	6"	LAY-IN	N/A	30K/40K/50K	920	LED	LED DRIVER	ALUM.	120	10	WF6-LL-LED-30K40K50K-90CRI-MW-M6	DIMMABLE LED RECESSED LIGHTING

EXISTING PANEL "1NLB2A"

PHASE 3 WIRE 4 VOLTS 208/120 MAIN 225 MCB
 TYPE NEMA 1 MOUNTING SURFACE ENCLOSURE
 SHORT CKT. RATING 10,000 RMS SYM.
 GROUND TERMINAL BAR NEUTRAL TERMINAL BAR

PHASE LOADING			DESCRIPTION	CKT. TYPE	CKT. BKR. TRIP	CKT. NO.	A	B	C	CKT. NO.	CKT. BKR. TRIP	CKT. TYPE	DESCRIPTION	PHASE LOADING				
A	B	C												A	B	C		
7.50			(EXISTING) REC RM 1400,1400A	R	20/1	1							SPARE					
7.50			(EXISTING) REC RM 1602,1603	R	20/1	3							REC RM 1604,1601 (EXISTING)		7.50			
	6.00		(EXISTING) REC RM 1012	R	20/1	5							REC RM 1501,1503 (EXISTING)			7.50		
6.00			(EXISTING) REC RM 1013	R	20/1	7							REC RM 1014 (EXISTING)		6.00			
			SPARE		20/1	9							SPARE					
			SPARE		20/1	11							SPARE					
			SPARE		20/1	13							REC RM 1518		9.00			
12.00			ADMIN STORAGE 1517	R	20/1	15							REC RM 1515,154		8.00			
			SPARE		20/1	17							SPARE					
3.00			(EXISTING) REC RM 1631,1629	R	20/1	19							REC RM 1630,1628 (EXISTING)		3.00			
4.53			(EXISTING) REC RM 1627	R	20/1	21							REC RM 1623 (EXISTING)		9.00			
	8.00		(EXISTING) FRIDGE RM 1624	R	20/1	23							COFFEE MAKER 1624 (EXISTING)			10.00		
12.00			(EXISTING) MICROWAVE RM 1624	R	20/1	25							SPARE					
9.00			(EXISTING) REC RM 1620	R	20/1	27							FRIDGE RM 1623 (EXISTING)		10.00			
	12.00		(EXISTING) ICE MACHINE RM 1624	R	20/1	29							MICROWAVE RM 1623 (EXISTING)			12.00		
7.50			(EXISTING) REC RM 1621, CORR	R	20/1	31							REC RM 1619,1617 (EXISTING)		3.00			
3.00			(EXISTING) REC RM 1621, CORR	R	20/1	33							REC RM 1615 (EXISTING)		7.50			
	4.50		(EXISTING) REC CORR	R	20/1	35							REC CORR (EXISTING)			10.00		
4.50			(EXISTING) REC CORR	R	20/1	37							REC RM 1015		10.00			
	5.00		(EXISTING) WATER FOUNTAIN	R	20/1	39							SPARE					
	1.67		(EXISTING) FRIDGE RM 1512	R	20/1	41							AUTOMATIC DOORS (EXISTING)		5.00			
40.50	41.03	32.17	SUB-TOTAL (VA)										SUB-TOTAL (VA)			31.00	42.00	44.50
			C CONTINUOUS LOAD			E ESTIMATED LOAD			N NON-CONTINUOUS LOAD									
			H HVAC LOAD			K KITCHEN LOAD			R RECEPTACLE LOAD									
TOTAL CONNECTED LOAD PER PHASE = A=71.75 KVA B=83.03 KVA C=76.67 KVA TOTAL OF 42 SPACES																		

THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS AND BREAKER SIZES WITH THE ACTUAL EQUIPMENT PROVIDED. THE CONTRACTOR MAY REVISE BREAKERS AND RE-ARRANGE CIRCUITS BUT IS REQUIRED TO BALANCE LOADS AS REQUIRED BY THE NEC. CONTRACTOR SHALL PROVIDE AS-BUILT PANEL SCHEDULES.

EXISTING PANEL "1CRLB1" WITH NEW BREAKERS

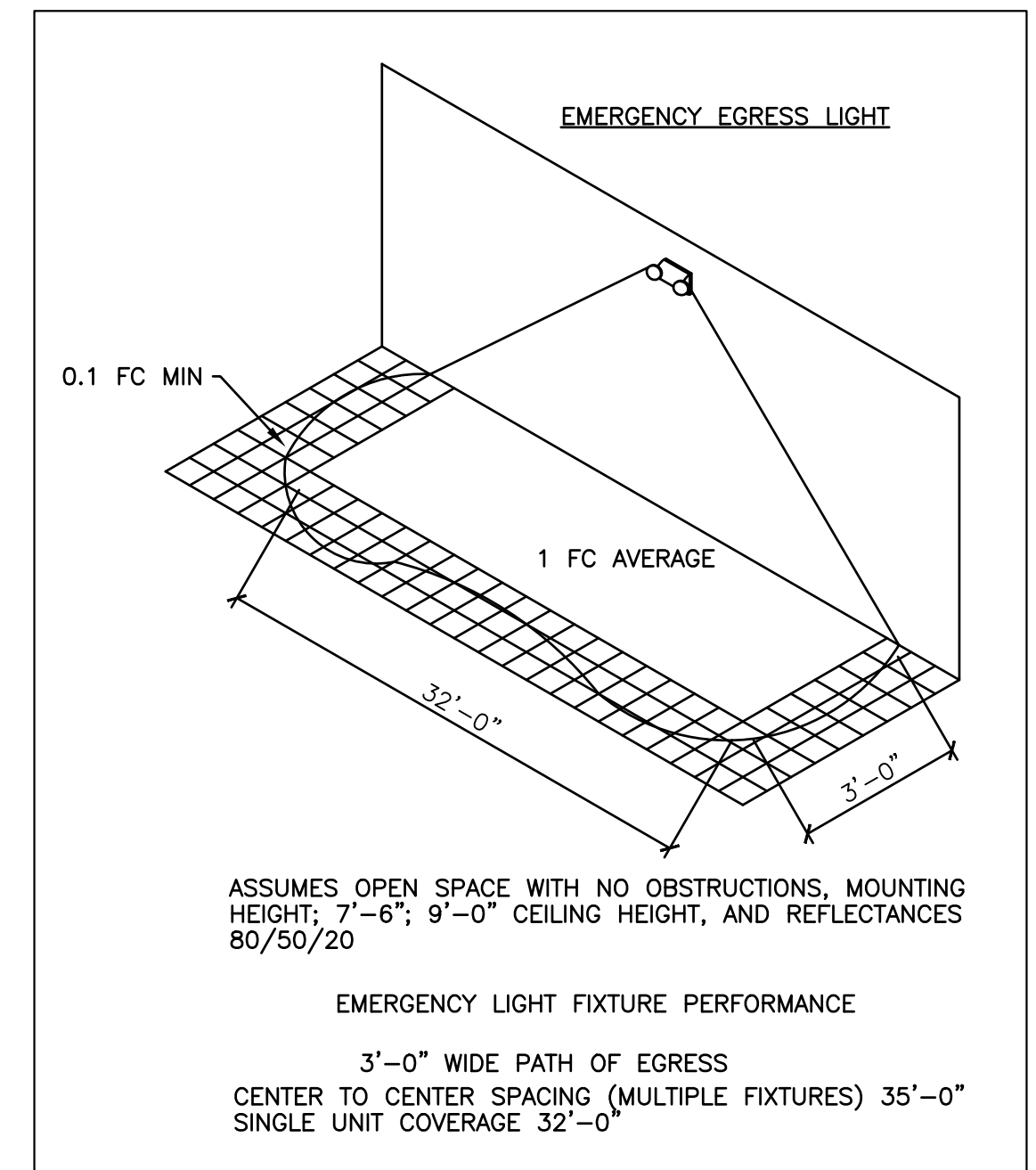
PHASE 3 WIRE 4 VOLTS 120/208 MAIN 225 MCB
 TYPE NEMA 1 MOUNTING SURFACE ENCLOSURE
 SHORT CKT. RATING 10,000 RMS SYM.
 GROUND TERMINAL BAR NEUTRAL TERMINAL BAR

PHASE LOADING			DESCRIPTION	CKT. TYPE	CKT. BKR. TRIP	CKT. NO.	A	B	C	CKT. NO.	CKT. BKR. TRIP	CKT. TYPE	DESCRIPTION	PHASE LOADING				
A	B	C												A	B	C		
4.50			(EXISTING) REC RM 1692	R	20/1	1							REC RM 1512 (EXISTING)		10.50			
			SPARE		20/1	3							REC RM 1510,1511 (EXISTING)		6.00			
	4.50		(EXISTING) REC RM 1503,1504	R	20/1	5							REC RM 1509 (EXISTING)		7.50			
6.00			(EXISTING) REC RM 1628,1631,COMP	R	20/1	7							REC RM 1508		9.00			
	6.00		(EXISTING) REC RM 1628,1631,COMP	R	20/1	9							REC RM 1507		12.00			
	6.00		(EXISTING) REC RM 1628,1631,COMP	R	20/1	11							REC RM 1629 (EXISTING)			12.00		
6.00			(EXISTING) REC RM 1601	R	20/1	13							REC RM 1628,1631 (EXISTING)		10.50			
	10.50		(EXISTING) REC RM 1317,1311	R	20/1	15							REC RM 1623 (EXISTING)		9.00			
	6.00		(EXISTING) REC RM 1623	R	20/1	17							REC RM 1616,1619 (EXISTING)			10.50		
4.50			(EXISTING) REC RM 1615,1614	R	20/1	19							REC RM 1609,1612 (EXISTING)		10.50			
	7.50		(EXISTING) REC RM 1606,1705	R	20/1	21							REC RM 1702 (EXISTING)		7.50			
	10.00		(EXISTING) COPIER ROOM 1702	R	20/1	23							REC RM 1801 (EXISTING)		6.00			
8.00			(EXISTING) REC RM 1800A	R	20/1	25							COPIER ROOM 1800 (EXISTING)		10.00			
4.50			(EXISTING) REC RM 1500	R	20/1	27							REC RM 1506 (EXISTING)		4.50			
	17.98		(EXISTING) TELECOM	C	30/2	31							REC RM 1603 (EXISTING)		6.00			
17.98			SPARE		20/1	33							POST OP 1619 (EXISTING)		6.00			
			SPARE		20/1	35							POST OP 1617 (EXISTING)		6.00			
	5.00		SUMP PUMP		20/1	37							SUMP PUMP			5.00		
9.00			INFUSION RECEPTACLES		20/1	39							INFUSION RECEPTACLES		7.50			
			SPARE		20/1	39							SPARE					
			SPARE		20/1	41							SPARE					
55.98	28.50	49.48	SUB-TOTAL (VA)										SUB-TOTAL (VA)			64.00	45.00	47.00
			C CONTINUOUS LOAD			E ESTIMATED LOAD			N NON-CONTINUOUS LOAD									
			H HVAC LOAD			K KITCHEN LOAD			R RECEPTACLE LOAD									
TOTAL CONNECTED LOAD PER PHASE = A=119.98 KVA B=73.50 KVA C=96.98 KVA TOTAL OF 42 SPACES																		

THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS AND BREAKER SIZES WITH THE ACTUAL EQUIPMENT PROVIDED. THE CONTRACTOR MAY REVISE BREAKERS AND RE-ARRANGE CIRCUITS BUT IS REQUIRED TO BALANCE LOADS AS REQUIRED BY THE NEC. CONTRACTOR SHALL PROVIDE AS-BUILT PANEL SCHEDULES.

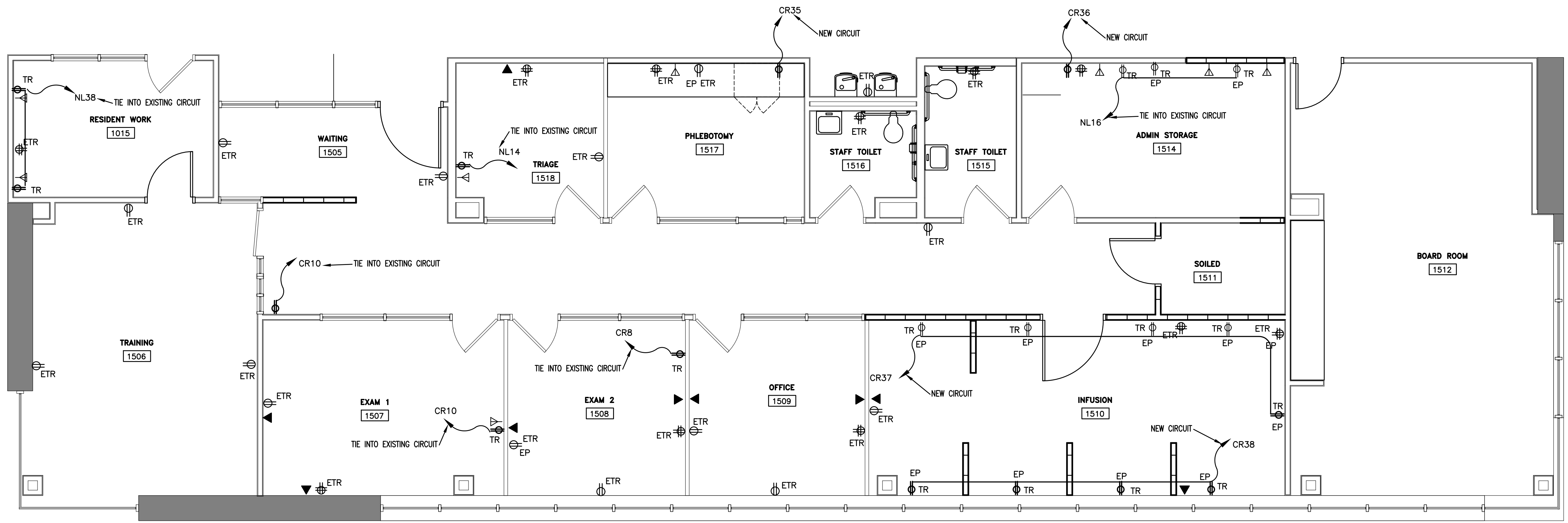
ELECTRICAL LEGEND

	DUPLIX RECEPTACLE; MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE
	SINGLE POLE POWER/LIGHTING HOMERUN
	(1) WALL MOUNTED DATA OUTLET
	SWITCH
	2x4 LAY-IN FLUORESCENT
	EMERGENCY LIGHT (MARKED EM)
	EXIT SIGN (MARKED ES)



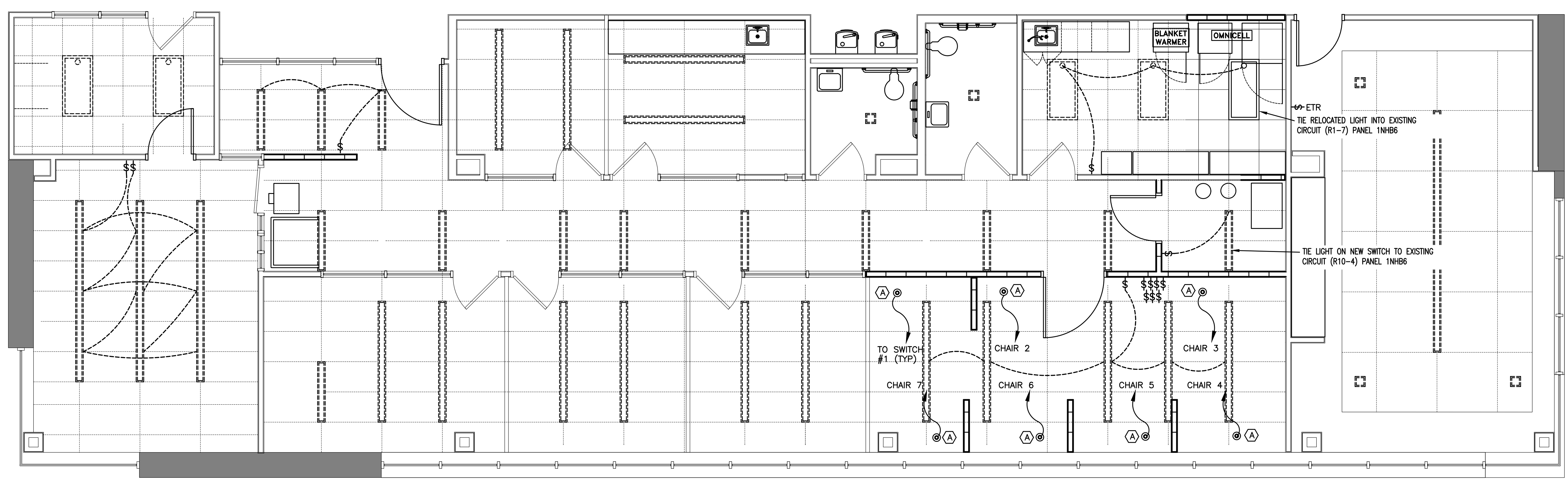
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 Plotted by: Maw
 Plotted Date: Oct 21, 2021 - 4:33pm

Drawing File: H:\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
 Plotted by: MAW
 Plotted Date: Oct 21, 2021 - 4:33pm



1 ELECTRICAL PLAN - POWER/DATA
 E2 1/2" = 1'-0"

ELECTRICAL NOTE:
 RECEPTACLES SHALL BE HOSPITAL GRADE, GREEN DOT, 20AMP WIRING SHALL BE IN EMT OR MEDICAL GRADE MC CABLE WHERE PERMITTED BY OWNER. WIRING METHODS AND RACEWAY INSTALLATION SHALL MATCH EXISTING.



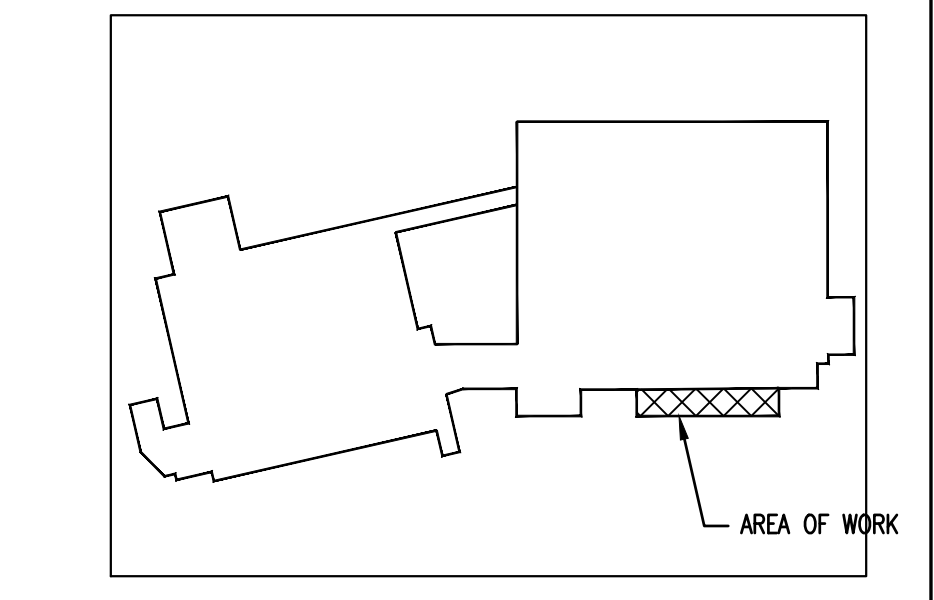
2 ELECTRICAL PLAN - LIGHTING
 E2 1/2" = 1'-0"

LIGHTING NOTE:
 EXISTING LIGHTING SWITCHES TO REMAIN. PROVIDE ADDITIONAL SWITCHING AS SHOWN.

IT IS THE PURPOSE OF THESE DRAWINGS TO SHOW THE INTENT OF THIS SYSTEM DESIGN. EVERY EFFORT HAS BEEN MADE TO ACCURATELY SHOW EXISTING CONDITIONS- ANY DEVIATION TO THESE DRAWINGS UNCOVERED DURING NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF GENERAL CONTRACTOR OR ENGINEER BEFORE ALTERING THIS DESIGN.

ELECTRICAL SCOPE OF WORK:
 ELECTRICAL SCOPE OF WORK WILL CONSIST OF ADDING SOME NEW WIRING FOR ELECTRICAL RECEPTACLES IN SEVERAL ROOMS. DATA/VOICE ROUGH-IN PULLS IN LOCATIONS SPECIFIED. USE EXISTING LIGHTING CIRCUIT FOR LIGHTS BEING RELOCATED TO NEW SWITCHING..

- NEW ELECTRICAL NOTES:**
- EXISTING LIGHT FIXTURES (LINEAR LED LIGHT AT VARIOUS LENGTHS)
 - RELOCATED LIGHT FIXTURE
 - NEW 6" LED PENDANT LIGHT FIXTURE
 - EMERGENCY LIGHT
 - EXISTING RECEPTACLE/DATA
 - NEW 120 VAC DUPLEX OUTLET TAMPER RESISTANT (TR)
 - NEW VOICE/DATA JACK
 - NEW LIGHT SWITCH W/OCCUPANCY SENSOR
- NOTE: (TR) TAMPER RESISTANT. SEE NOTE ON SHEET E1 FOR DETAILS.
 NOTE: (ETR) EXISTING TO REMAIN
 EP ELECTRICAL RECEPTACLE ON EMERGENCY POWER CIRCUIT



3 KEY PLAN
 P2 N.T.S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM



DESIGNED/CHECKED BY: **B. JENKINS**
 DRAWN BY: **MAW**
 PROJECT #: _____
 DATE: **21 OCT 21**

FINAL DRAWING FOR REVIEW PURPOSES ONLY
 PRELIMINARY FOR DESIGN DEVELOPMENT ONLY
 FINAL DRAWING FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SYSTEMS**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2818 HAZARD ROAD, SUITE 300 RAYETTEVILLE, NC 28185

RAYWEST
 DESIGNBUILD

PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546
 SHEET: **ELECTRICAL PLAN - OFFICE POWER/DATA/LIGHTING**

E2

