

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

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

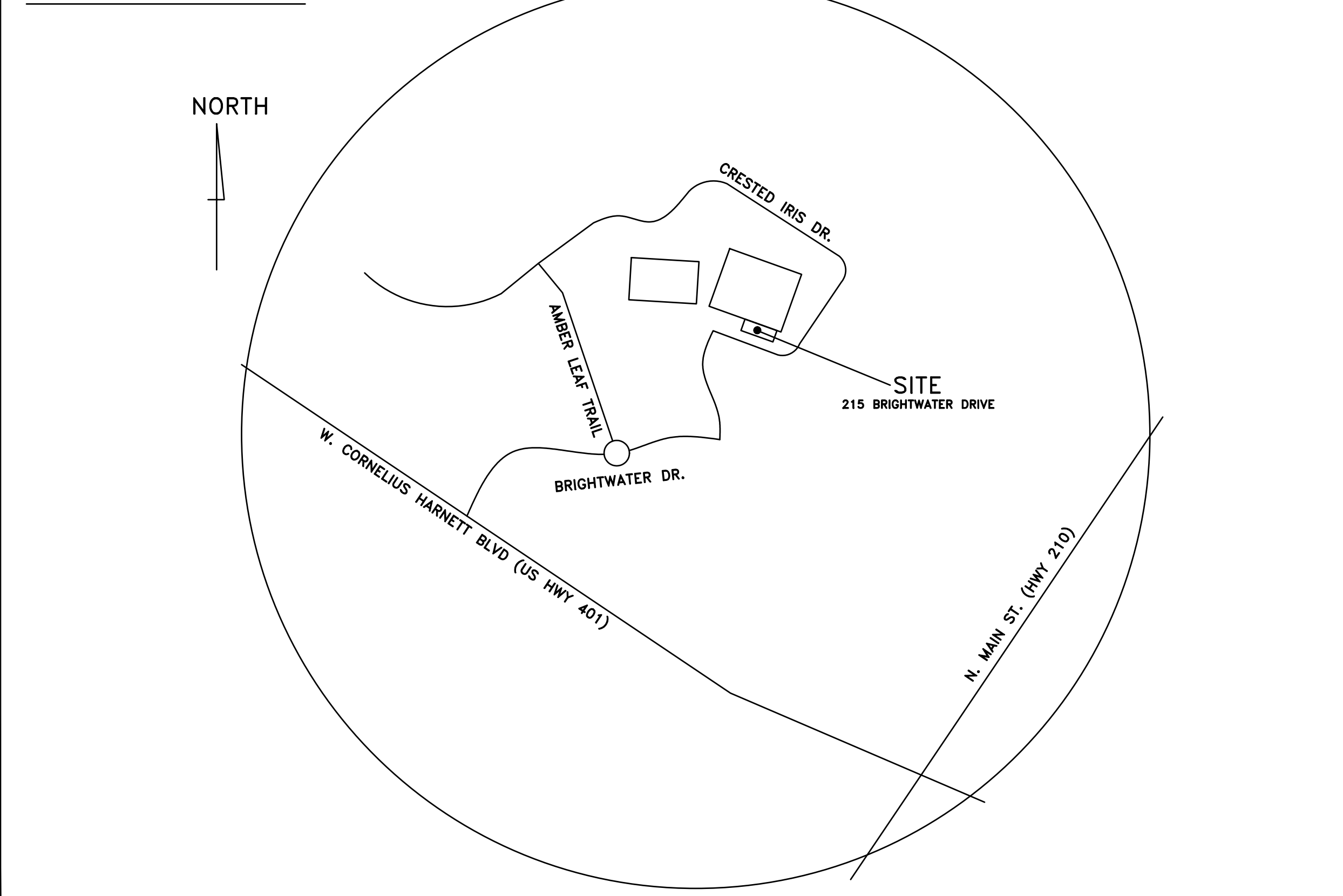
 NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE 2018

 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



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	FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION
PRELIMINARY <input type="checkbox"/> FOR DESIGN DEVELOPMENT ONLY	OWNER/TENANT: HARNETT HEALTH SYSTEMS DUNN, NC.
CONTRACTOR/BUILDER: RAYWEST DESIGNBUILD 2818 RAEFORD ROAD, SUITE 300 FAYETTEVILLE, NC 28303	



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
Address: 215 BRIGHTWATER DRIVE
Proposed Use: BUSINESS (INTERIM CANCER CENTER)
Owner or Authorized Agent: HECTOR RAY

DESIGNER TABLE with columns: DESIGNER, FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL. Includes entries for Architectural, Civil, Electrical, Fire Alarm, Plumbing, Mechanical, Sprinkler-Standpipe, Structural, INTERIOR WALLS, Retaining Walls >5' High, and Building.

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

2018 NC EXISTING BUILDING CODE: Prescriptive, Alteration Level I, Historic Property, 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, I-B, II-A, II-B, III-A, III-B, IV, V-A), Sprinklers, Standpipes, Primary Fire District, Special Inspections Required.

GROSS BUILDING AREA TABLE with columns: FLOOR, EXISTING (sq ft), NEW (sq ft), RENOVATED (sq ft), SUBTOTAL. Total: 74,774 sq ft.

ALLOWABLE AREA table with columns: Primary Occupancy Classification(s), Assembly, Business, Educational, Factory, Hazardous, Institutional, I-1 Condition, I-2 Condition, I-3 Condition, Mercantile, Residential, Storage, Utility and Miscellaneous.

Accessory Occupancy Classification(s): N/A
Incidental Uses (Table 509): N/A
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

Separated Use Formula 508.4.2: (Actual Area of Occupancy A / Allowable Area of Occupancy A) + (Actual Area of Occupancy B / Allowable Area of Occupancy B) <= 1

Table with columns: STORY NUMBER, DESCRIPTION AND USE, BLDG AREA PER STORY (ACTUAL), TABLE 506.24 AREA, AREA FOR FRONTAGE INCREASE, ALLOWABLE AREA PER STORY OR UNLIMITED. Row 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=(L1 X W1 + L2 X W2) / F (Equation 5-4)
e. Percent of frontage increase = (F/P) * 100 [F/P - 0.25] X W/30 = (X) (Equation 5-5)

FRONTAGE INCREASE WORKSHEET FOR CALCULATIONS table with columns: EXTERIOR WALL, OPEN LENGTH (feet), TOTAL LENGTH (feet), WIDTH OF PUBLIC WAY OR OPEN SPACE (feet), FROM CALC. ABOVE, FROM TABLE ABOVE, AREA INCREASE FOR COLUMN (C) ABOVE (% * TABLE AREA). Example row: 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 table with columns: 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

Table with columns: 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. Includes Structural Frame, Bearing Walls, Nonbearing walls and partitions, Floor construction, Roof construction, etc.

PERCENTAGE OF WALL OPENING CALCULATIONS

Table with columns: EXTERIOR WALL, FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE, DEGREE OF OPENINGS PROTECTION (TABLE 705.8), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%). Rows for 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 #: LSI
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)

Table with columns: 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. Row: NONE REQUIRED.

ACCESSIBLE PARKING (SECTION 1106)

Table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED (REGULAR WITH 5' ACCESS AISLE, VAN SPACES WITH 132" ACCESS AISLE, 96" ACCESS AISLE), TOTAL # ACCESSIBLE PROVIDED. Row: NONE REQUIRED.

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) table with columns: USE, WATER CLOSETS MALE/FEMALE/UNISEX, URINALS, LAVATORIES MALE/FEMALE/UNISEX, SHOWERS/TUBS, DRINKING FOUNTAINS REGULAR/ACCESSIBLE, SERVICE SINK. Row: HOSPITAL (INSTITUTION I-4).

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: Energy Code: Performance Prescriptive
ASHRAE 90.1: Performance Prescriptive
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
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FINAL DRAWING FOR CONSTRUCTION
OWNER/TENANT: HARNETT HEALTH SERVICES
CONTRACTOR/BUILDER: RAYWEST DESIGNBUILD

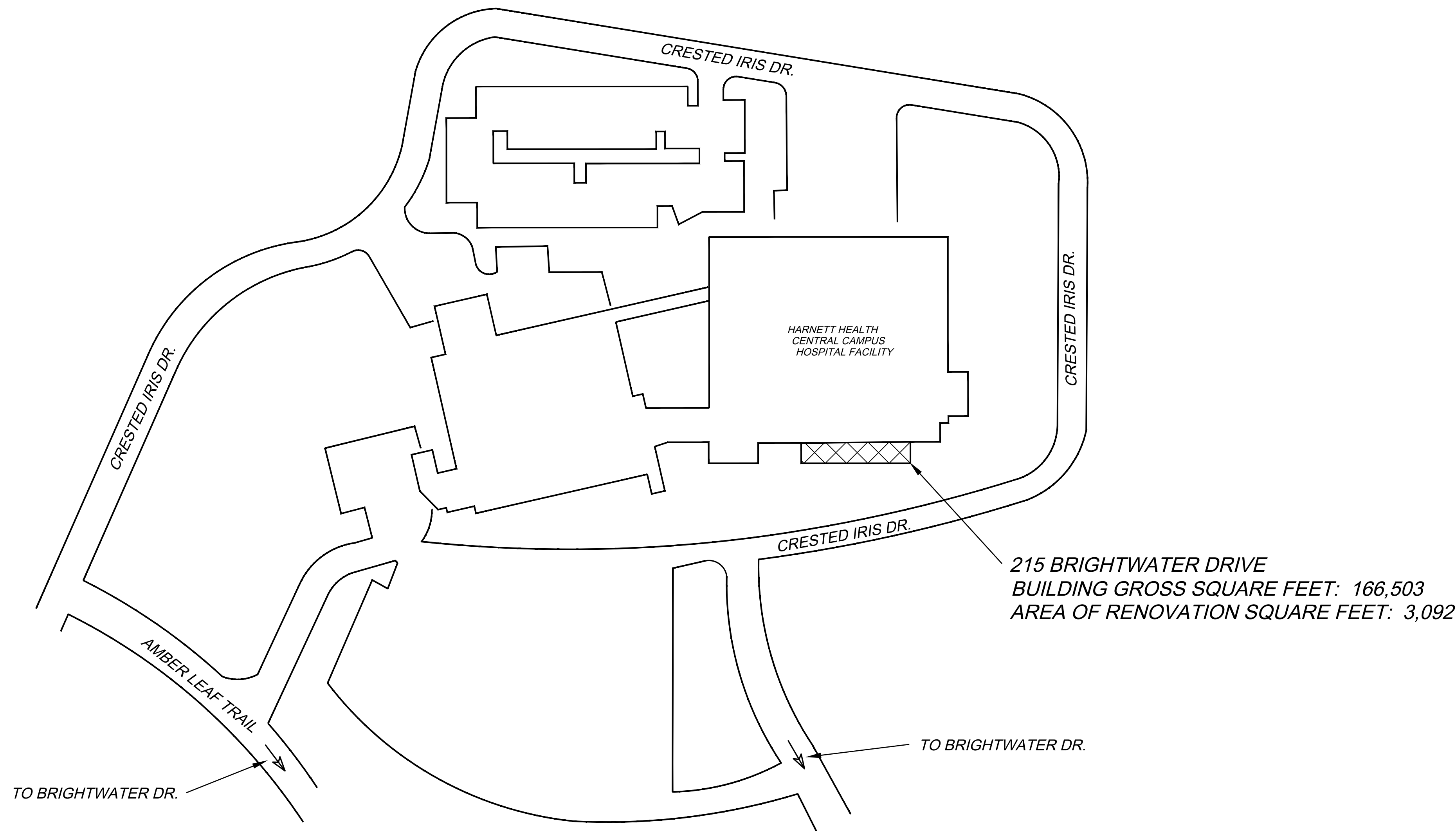
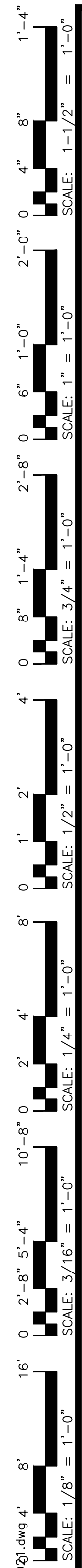
RAYWEST DESIGNBUILD

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

BCS

Vertical scale bars on the left side of the page, ranging from 1'-4" to 16'-0".

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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



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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

- 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.
- 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.
- 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.
- LOBBY AREAS IN GROUP A-1, A-2, AND A-3 OCCUPANCIES SHALL NOT BE LESS THAN CLASS B MATERIALS.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN PLACES OF ASSEMBLY WITH AN OCCUPANT LOAD OF 300 PERSONS OR LESS.
- FOR PLACES OF RELIGIOUS WORSHIP, WOOD USED FOR ORNAMENTAL PURPOSES, TRUSSES, PANELING OR CHANCEL FURNISHING SHALL BE PERMITTED.
- CLASS B MATERIAL IS REQUIRED WHERE THE BUILDING EXCEEDS TWO STORIES.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ADMINISTRATIVE SPACES.
- CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS.
- 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.
- FINISH MATERIALS AS PROVIDED FOR IN OTHER SECTIONS OF THIS CODE.
- APPLIES WHEN PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.
- 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)



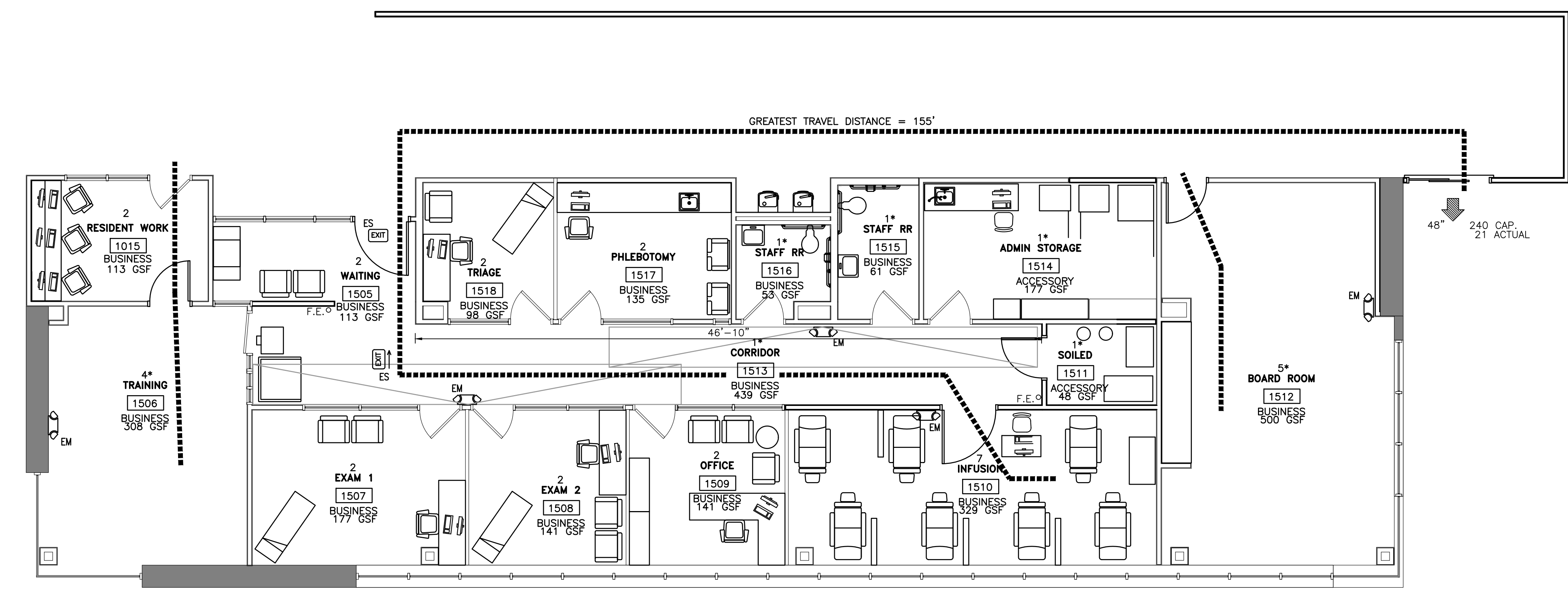
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 DATE: **21 OCT 21**

FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
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 FINAL DRAWING [x] FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SYSTEMS**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2816 HAYWARD ROAD, SUITE 300, FAYETTEVILLE, NC 28303



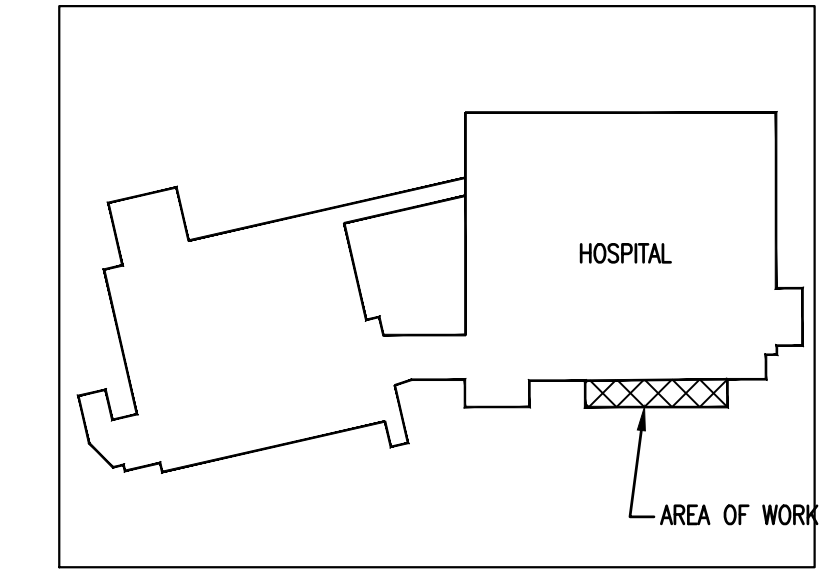
PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE, LILLINGTON, NC. 27546
 SHEET: **LIFE SAFETY - EGRESS PLAN**

LS1



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

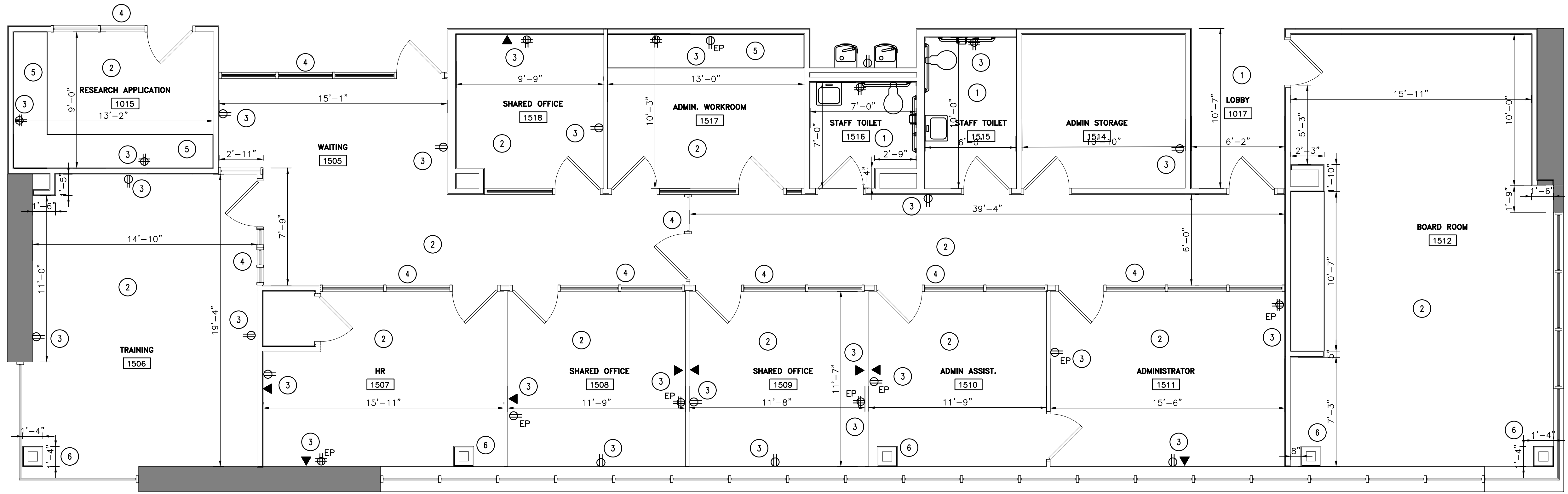
SYMBOL	DESCRIPTION
F.E. O	ABC FIRE EXTINGUISHER SUGGESTED LOCATION
EXIT ROUTE	EXIT ROUTE
33"	GREATEST TRAVEL DISTANCE
165 CAP.	EXIT WIDTH, 36" - 3 = 33" CLEAR WIDTH. EXIT CAPACITY (NUMBER OF PERSONS)
22 ACTUAL	ACTUAL OCCUPANT LOAD FOR EXIT DOOR
EXIT	EXIT SIGN
EM	EMERGENCY EGRESS LIGHTING (SEE ELECTRICAL 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

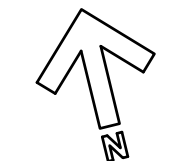


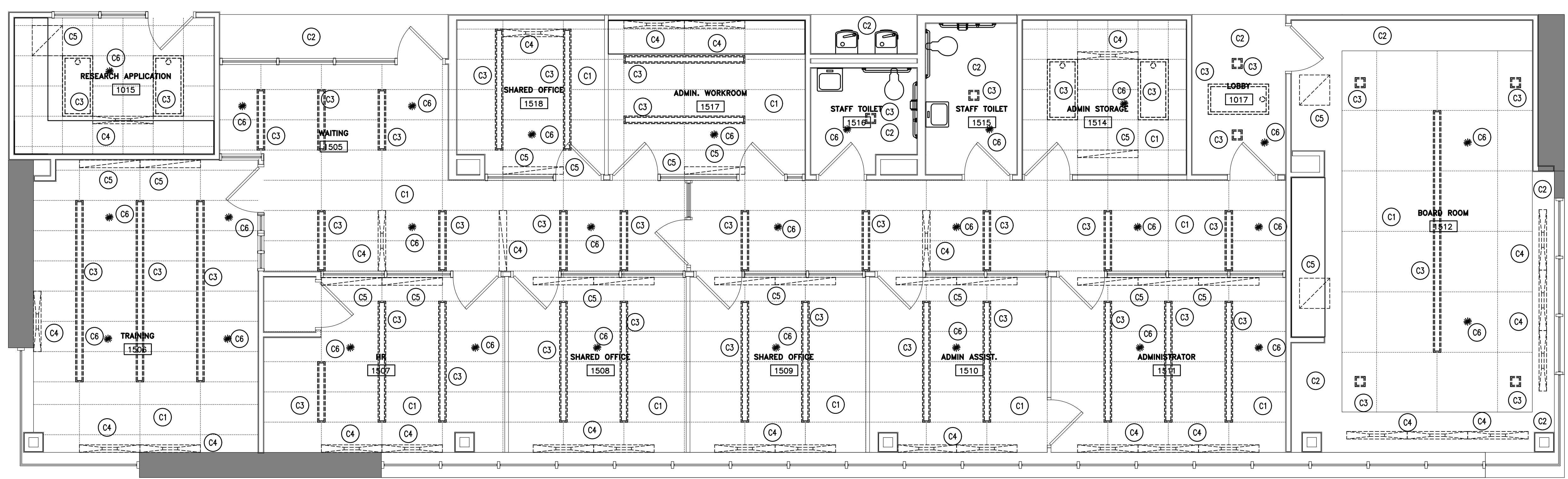
2 KEY PLAN
 LS1 N.T.S.

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

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 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"

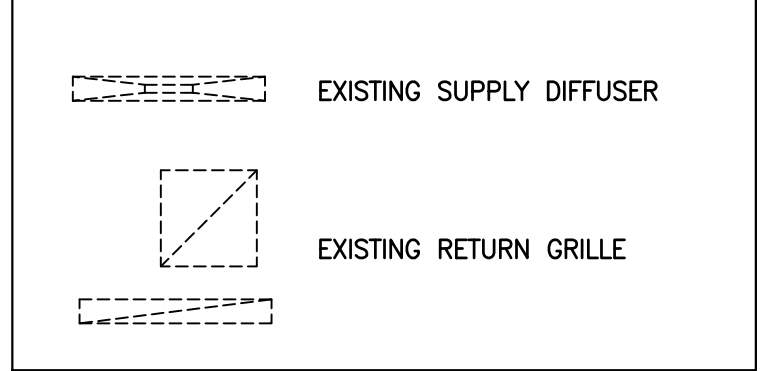
EXISTING CONDITIONS NOTES:

- 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

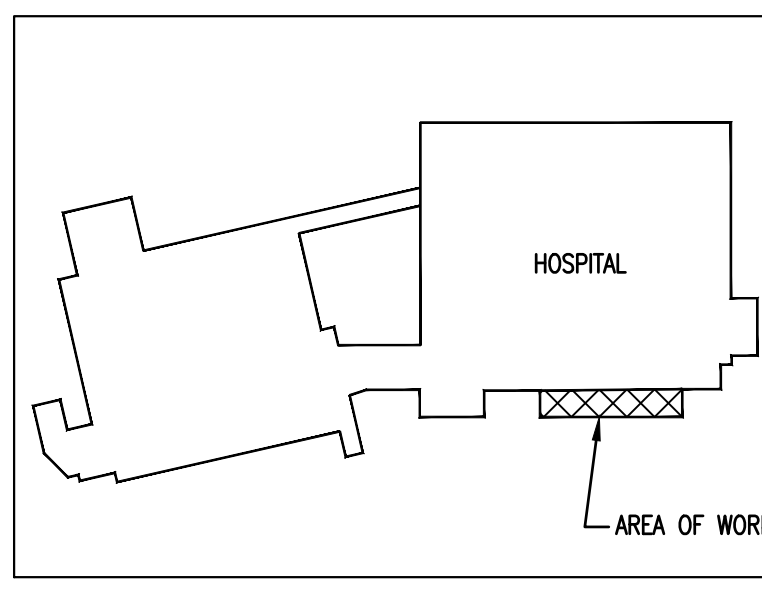
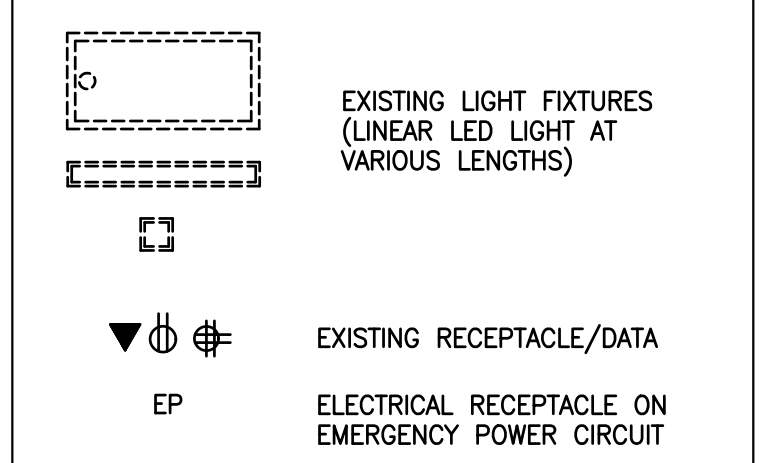
EXISTING REFLECTED CEILING NOTES:

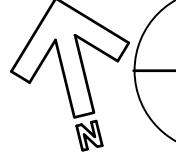
- C1 EXISTING LAY-IN CEILING/GRID
- C2 EXISTING HARD/GWB CEILING
- C3 EXISTING LIGHT FIXTURE
- C4 EXISTING SUPPLY DIFFUSER
- C5 EXISTING RETURN GRILLE
- C6 EXISTING SPRINKLER HEAD

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:

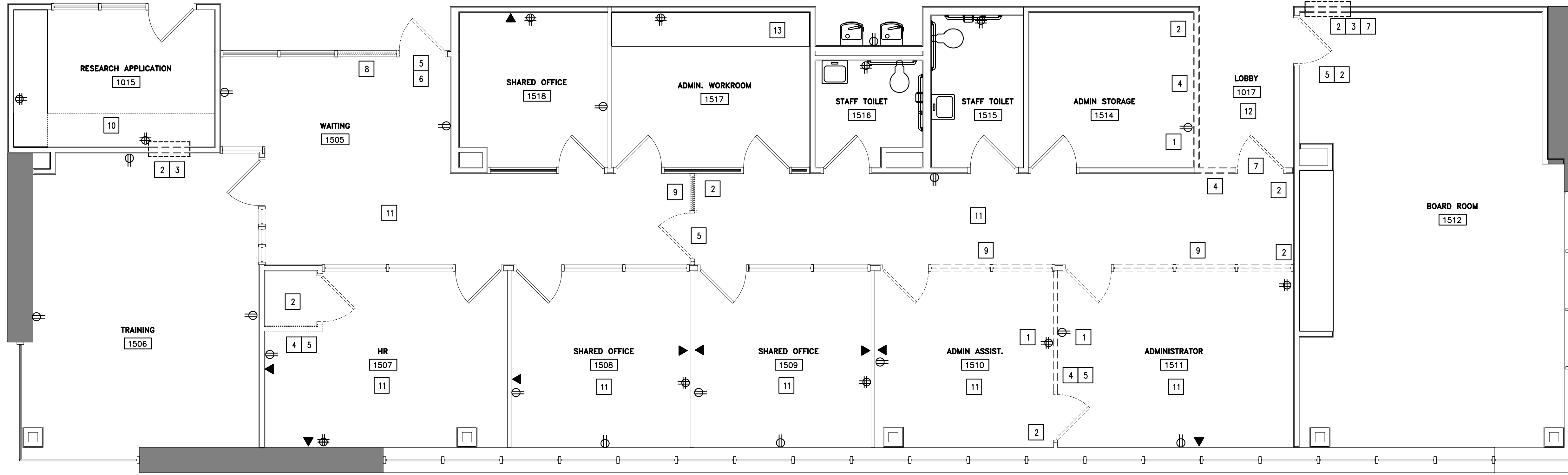
FINAL DRAWING [] FOR REVIEW PURPOSES ONLY
 PRELIMINARY [] FOR DESIGN DEVELOPMENT ONLY
 FINAL DRAWING [X] FOR CONSTRUCTION
 OWNER/TENANT: **HARNETT HEALTH SYSTEMS**
 CONTRACTOR/BUILDER: **RAYWEST DESIGNBUILD**
 2618 HAYWARD ROAD, SUITE 300 FAYETTEVILLE, NC 28303

RAYWEST
 DESIGNBUILD

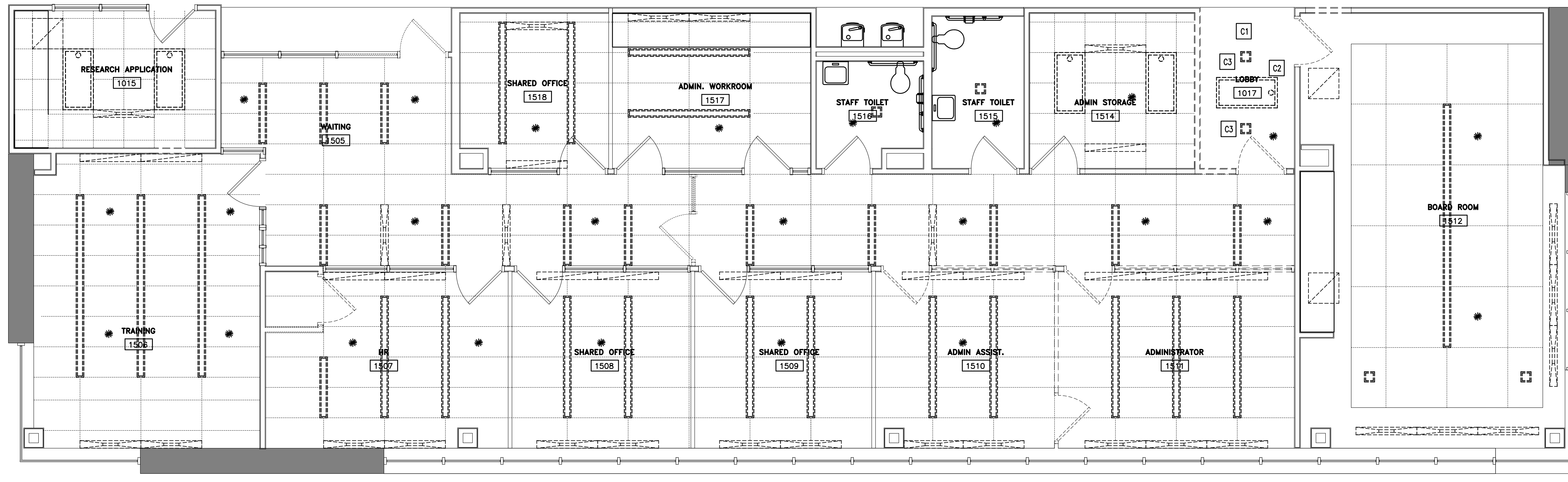
PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
 215 BRIGHTWATER DRIVE LILLINGTON, NC. 27546
 SHEET: **EXISTING FLOOR/REFLECTED CEILING PLAN**

G1

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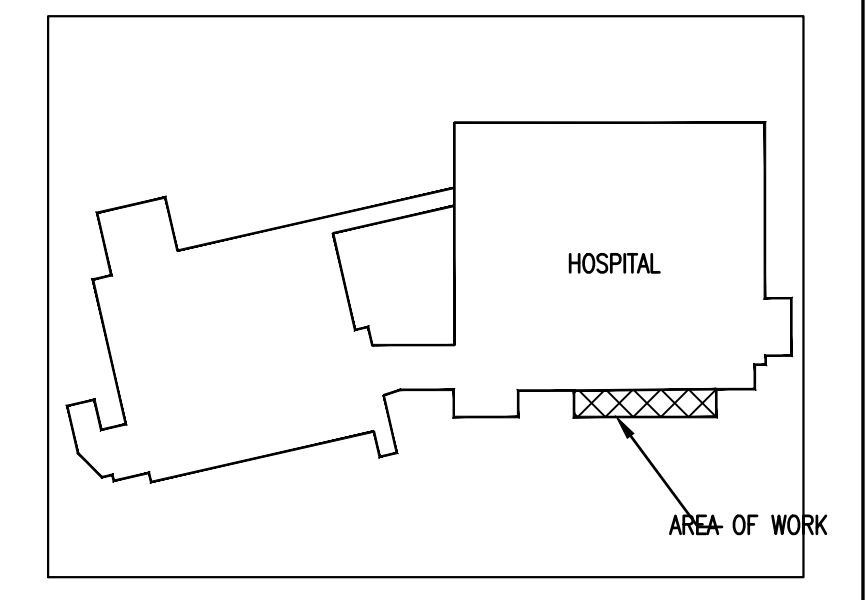


1 DEMOLITION FLOOR PLAN
 G2 1/4" = 1'-0"



2 DEMOLITION REFLECTED CEILING PLAN
 G2 1/4" = 1'-0"

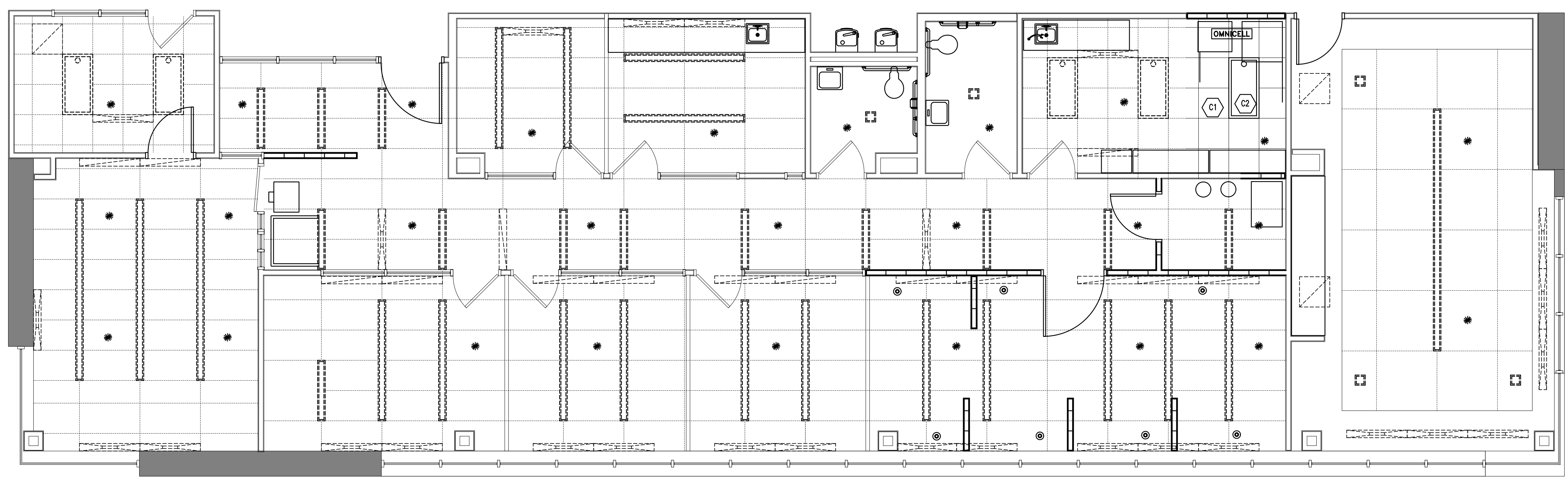
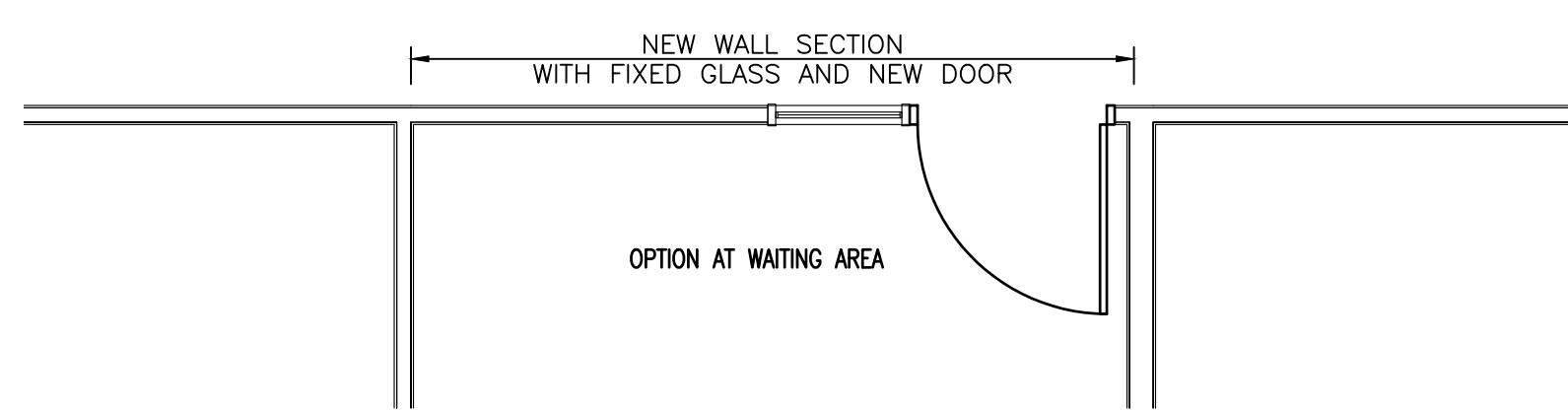
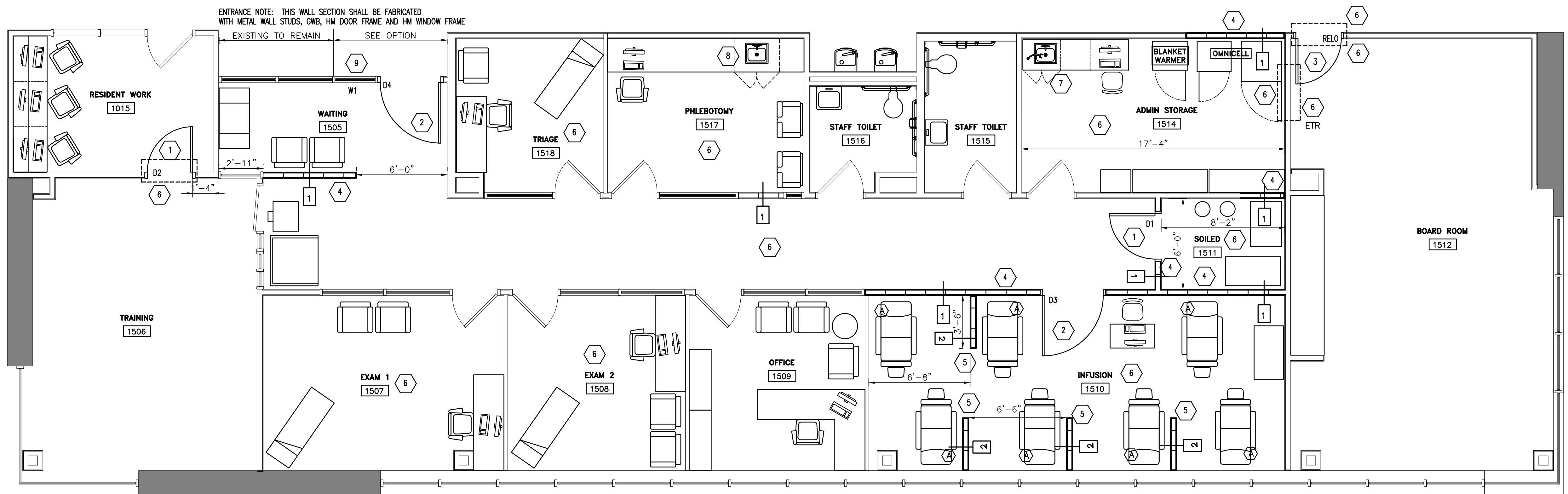
- DEMOLITION NOTES:**
- 1 DEMOLISH ELECTRICAL RECEPTACLES, DATA & VOICE IN WALL THAT CANNOT BE UTILIZED FOR NEW DESIGN
 - 2 REPAIR WALL & PAINT WITH SPECIFIED PRODUCT
 - 3 DEMOLISH WALL AREA DASHED FOR NEW 36" DOOR AND FRAME
 - 4 DEMO WALL
 - 5 DEMO DOOR AND FRAME
 - 6 DEMO 36" DOOR AND FRAME FOR NEW 48" DOOR AND FRAME
 - 7 RELOCATE DOOR AND FRAME TO NEW LOCATION
 - 8 DEMO WINDOW FOR NEW 48" DOOR AND FRAME
 - 9 DEMO GLASS WALL
 - 10 DEMO DESK/COUNTERTOP
 - 11 DEMO CARPET TILE
 - 12 DEMO CERAMIC TILE
 - 13 DEMO/PREPARE CABINET FOR NEW SINK
- DEMOLITION REFLECTED CEILING NOTES:**
- C1 DEMO HARD CEILING THIS AREA
 - C2 REUSE LIGHT FIXTURE IN NEW CEILING GRID
 - C3 DEMO SMALL LIGHT FIXTURE



3 KEY PLAN
 G2 N.T.S.

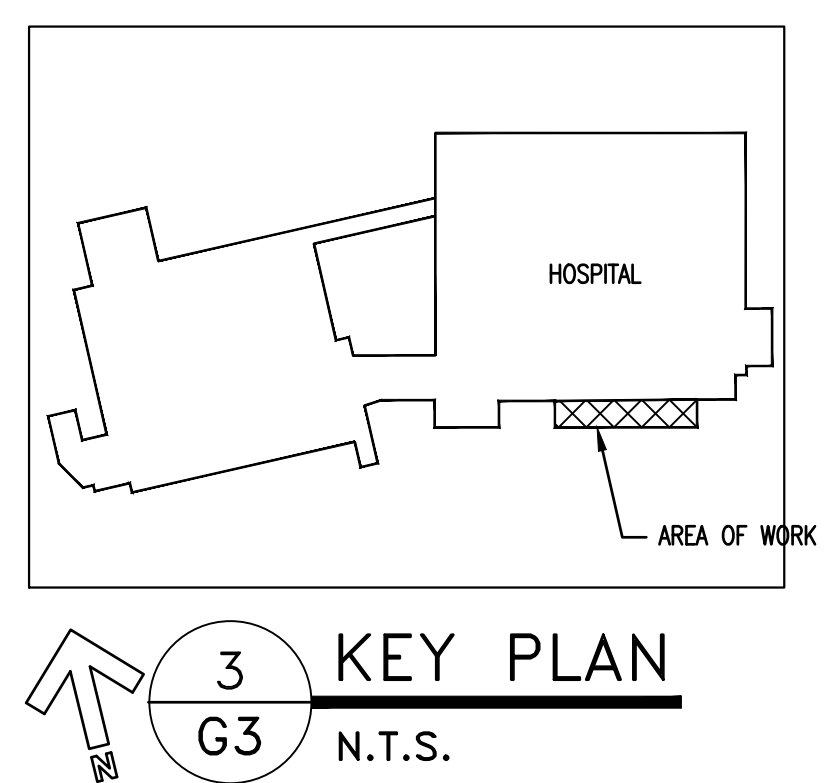
THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

Drawing File: H:\2021\RayWest\Harnett Hospital\Harnett Health - Lillington - 13Oct 2020.dwg
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 Plotted Date: Oct 21, 2021 - 4:32pm
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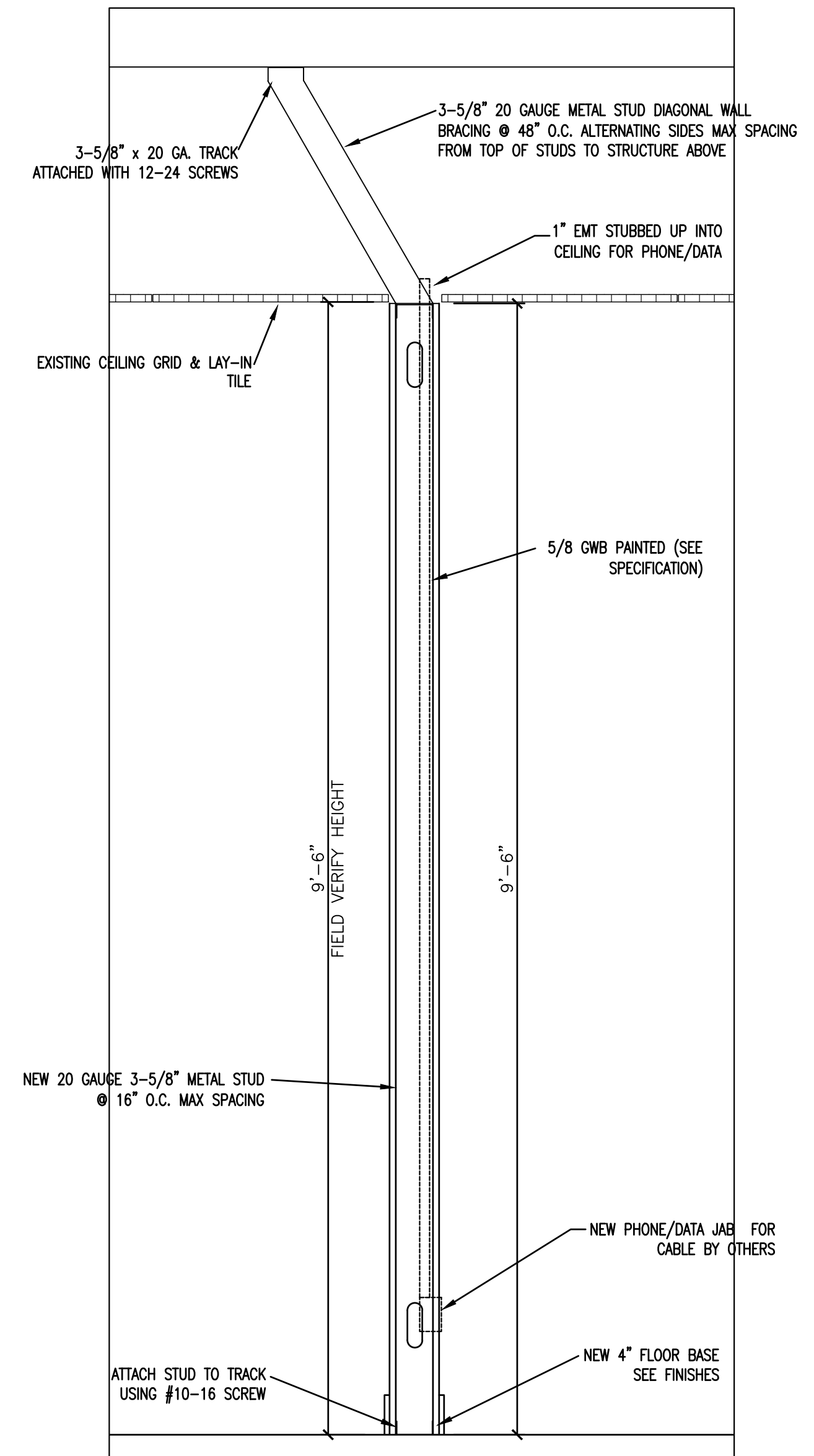
- NEW CONSTRUCTION NOTES:**
- 1 NEW 36" DOOR AND FRAME
 - 2 NEW 48" DOOR AND FRAME
 - 3 RELOCATED 36" DOOR AND FRAME
 - 4 NEW WALL (TYPICAL CONSTRUCTION) SEE SECTION
 - 5 NEW 42" PONY WALL (SEE DETAIL SHEET G4)
 - 6 PREP FLOOR FOR NEW FINISHES
 - 7 NEW WORK SURFACE, BASE CABINET WITH SINK AND EYE WASH 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

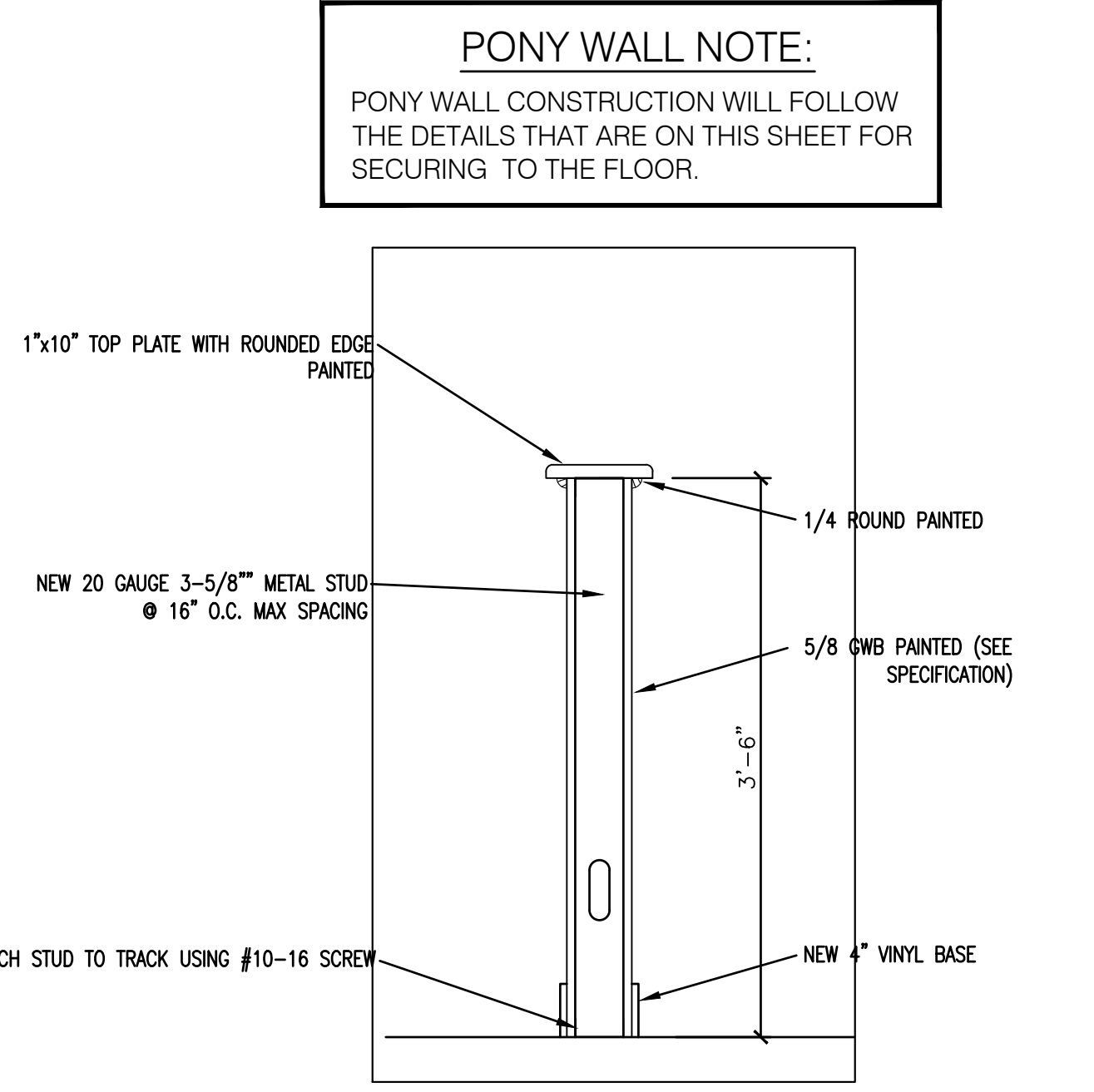


THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

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 Plotted Date: Oct 21, 2021 - 4:32pm



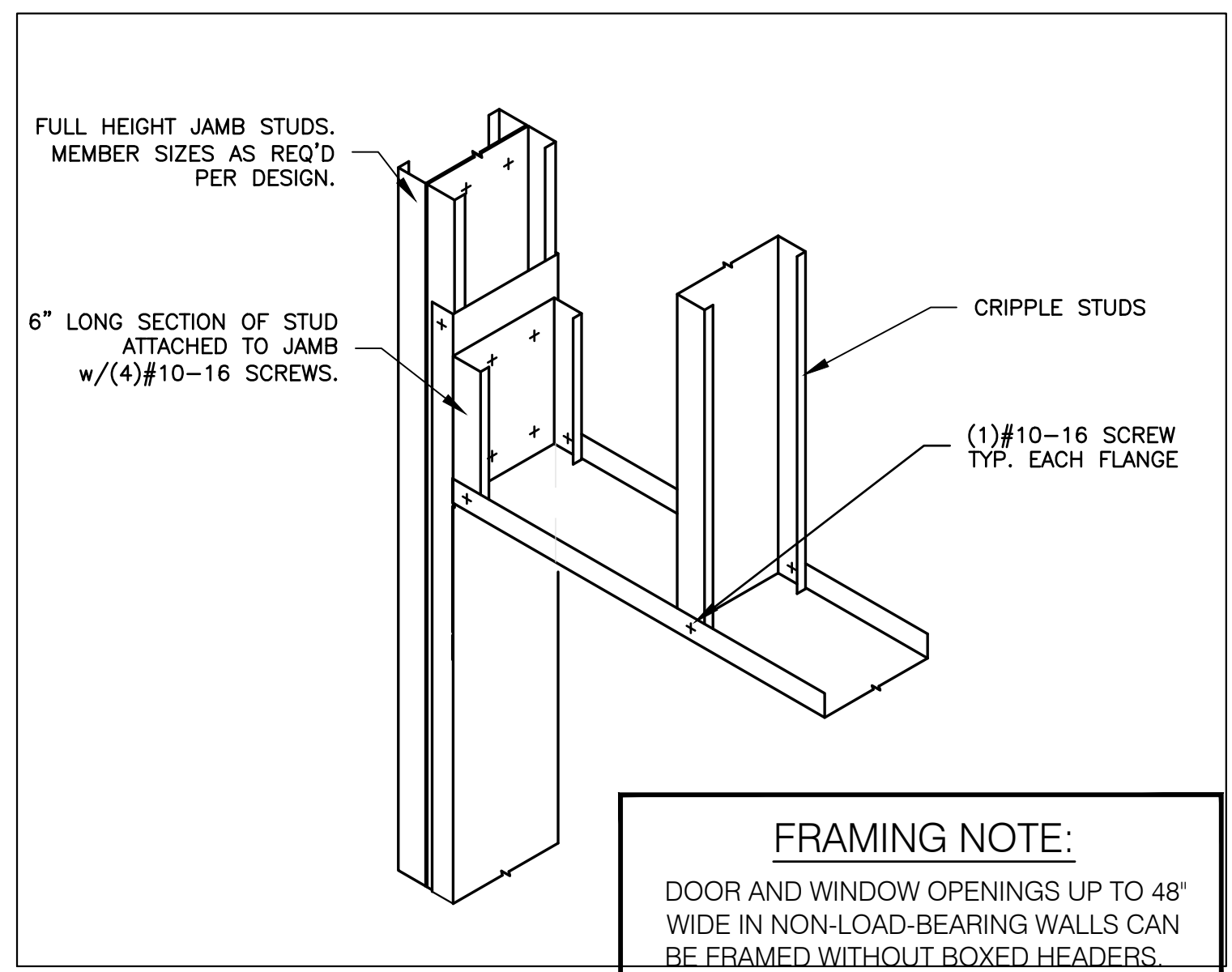
1 TYP. WALL SECT.
G4 1" = 1'-0"



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

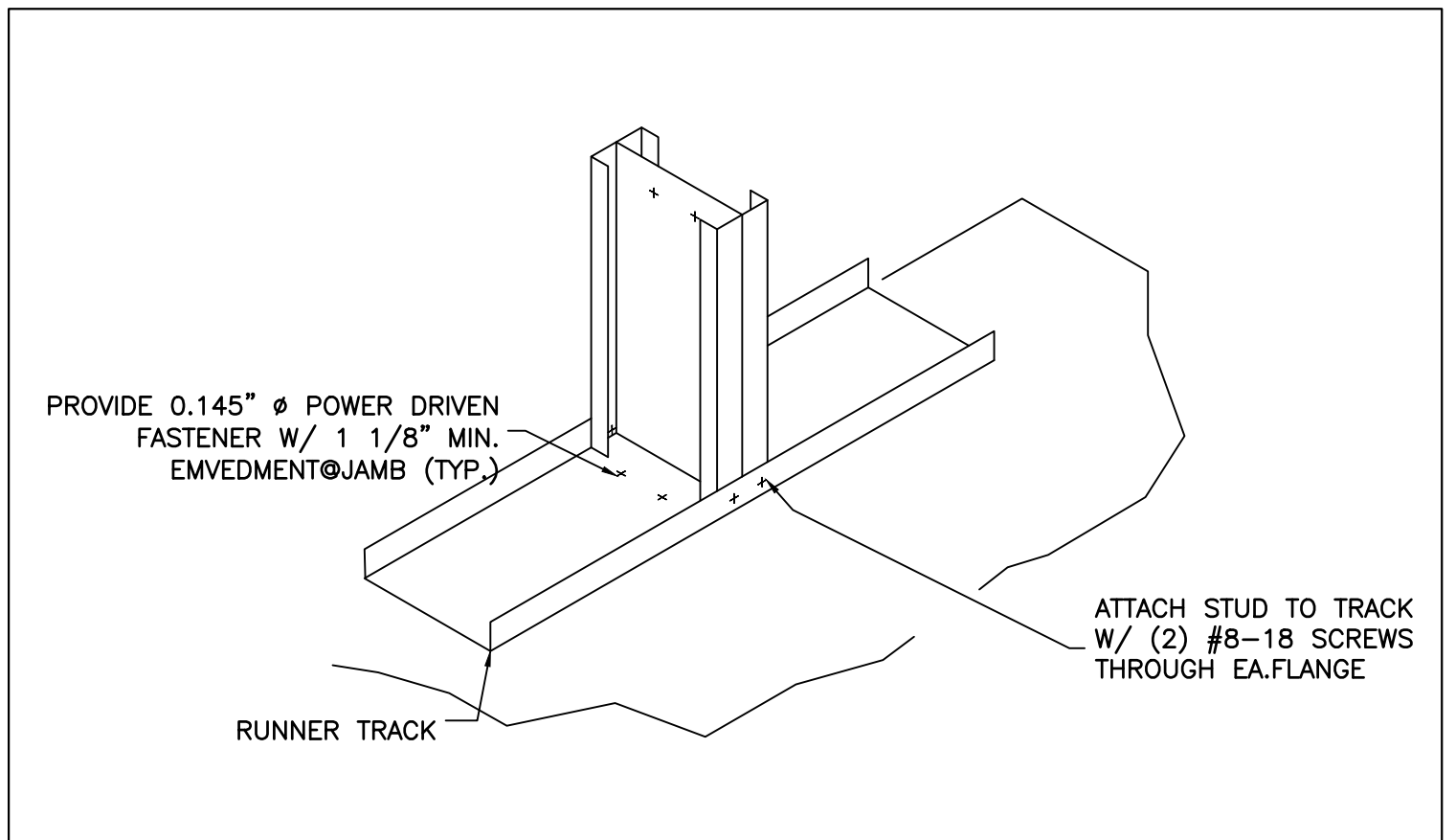
PONY WALL NOTE:
PONY WALL CONSTRUCTION WILL FOLLOW THE DETAILS THAT ARE ON THIS SHEET FOR SECURING TO THE FLOOR.

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.

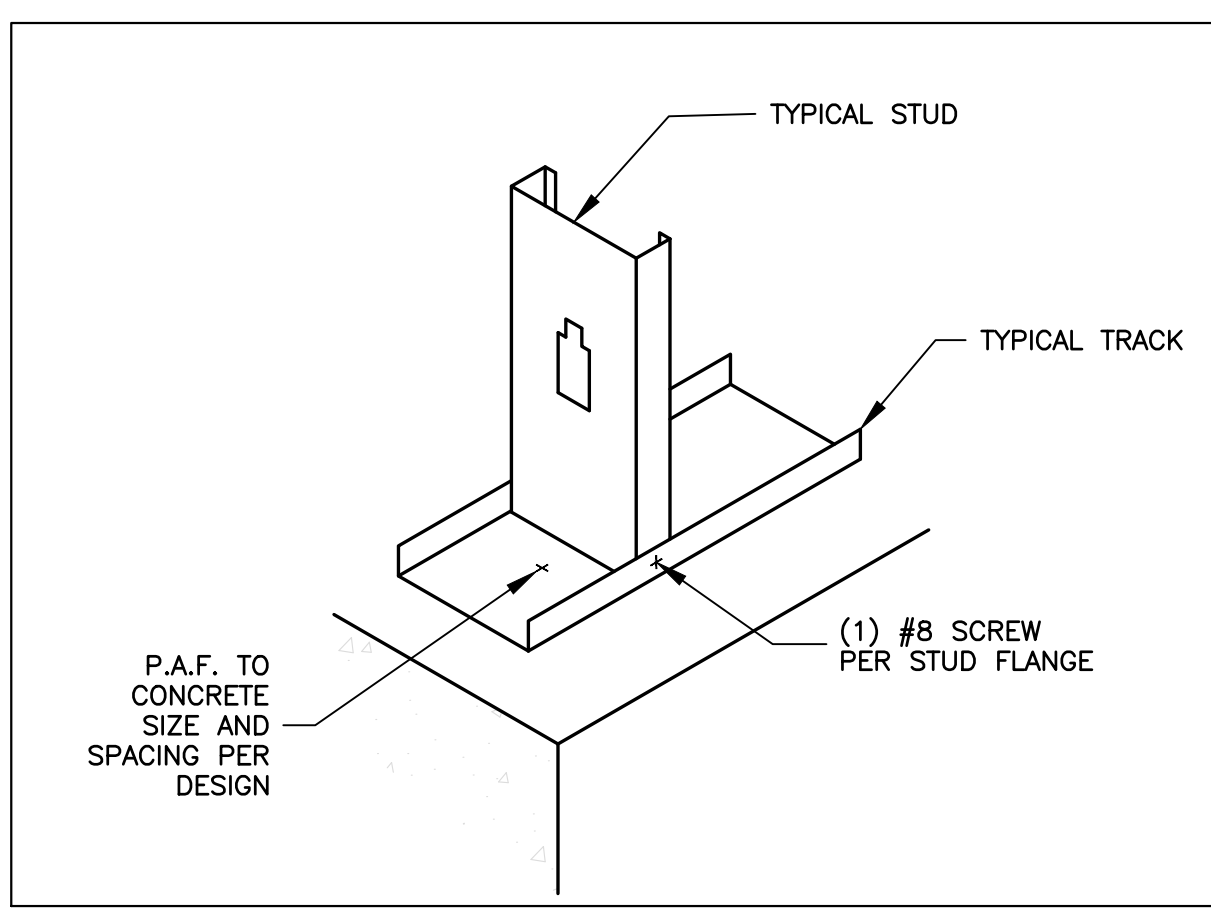


2 HEADER DETAIL
G4 USE AT SPANS 48" OR LESS

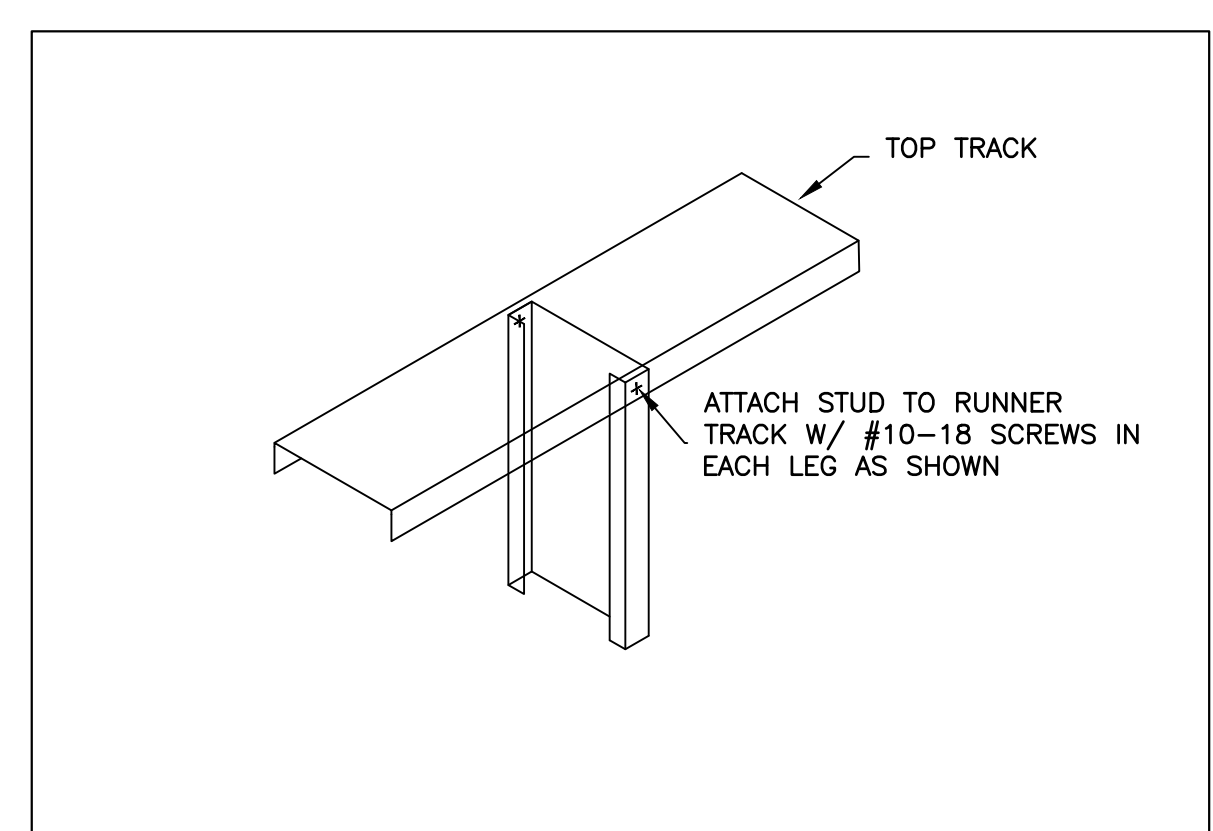
FRAMING NOTE:
DOOR AND WINDOW OPENINGS UP TO 48" WIDE IN NON-LOAD-BEARING WALLS CAN BE FRAMED WITHOUT BOXED HEADERS.



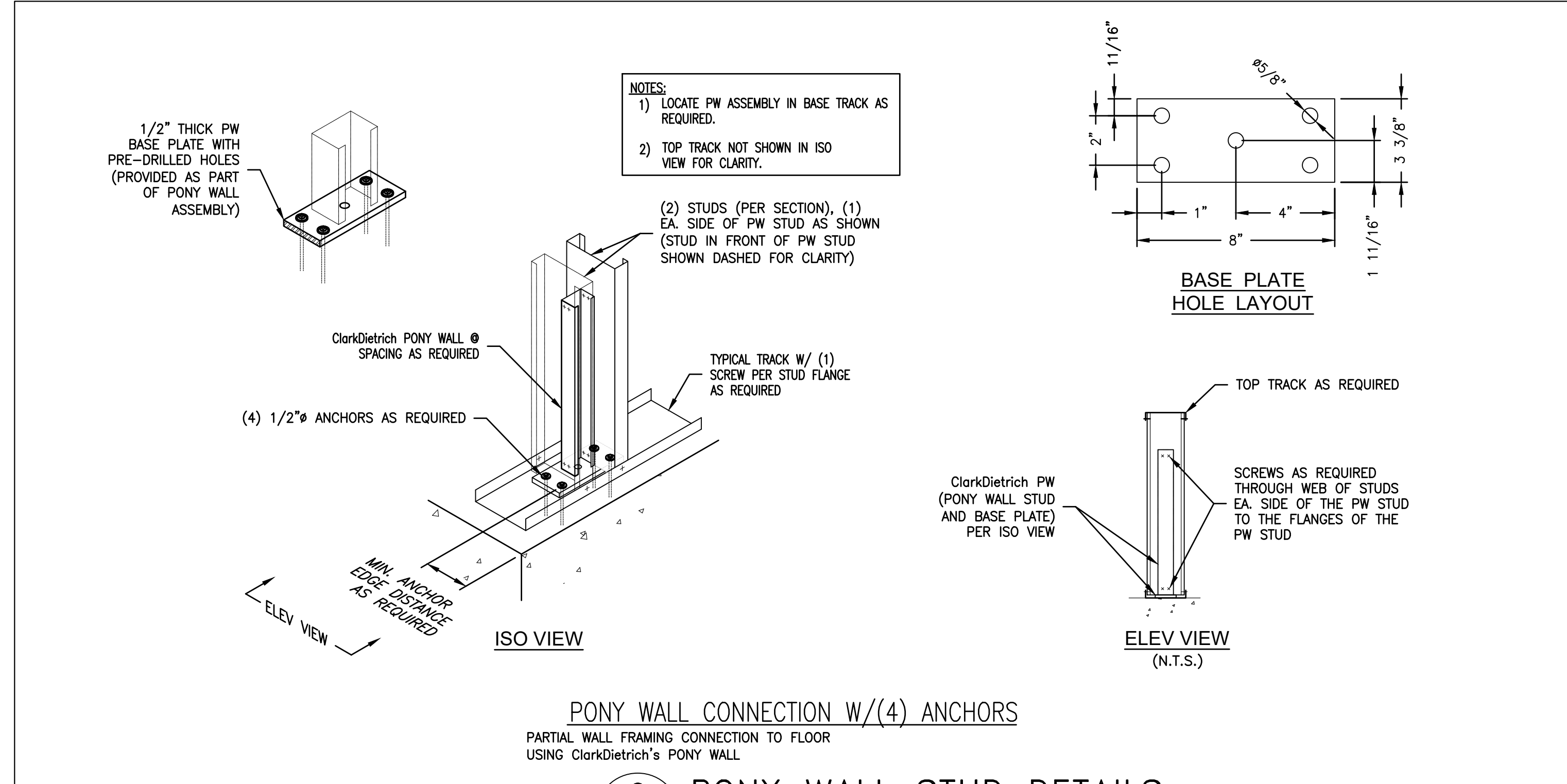
4 ANCHORAGE AT JAMB
G4 N.T.S.



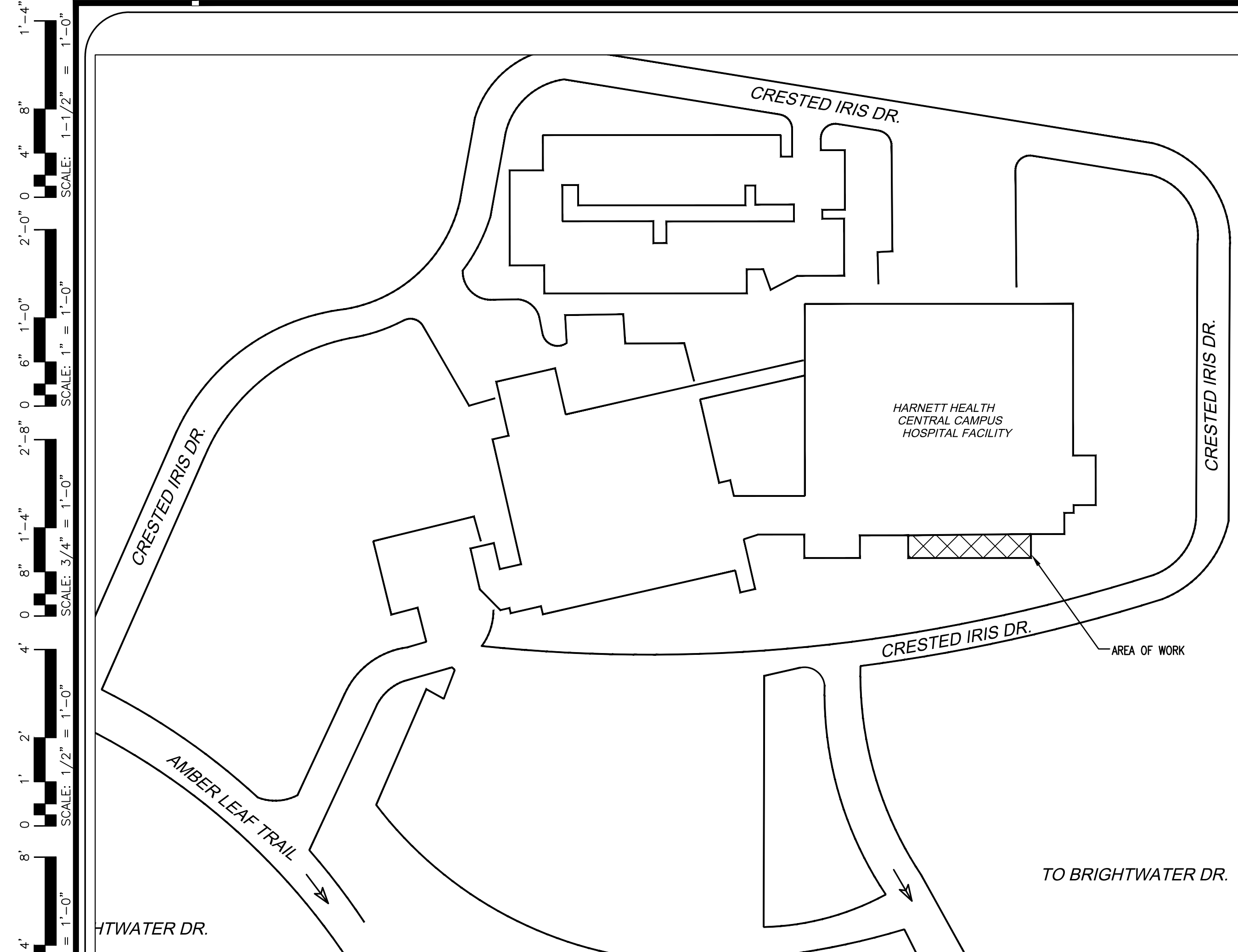
3 STUD BASE DETAIL
G4 N.T.S.



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



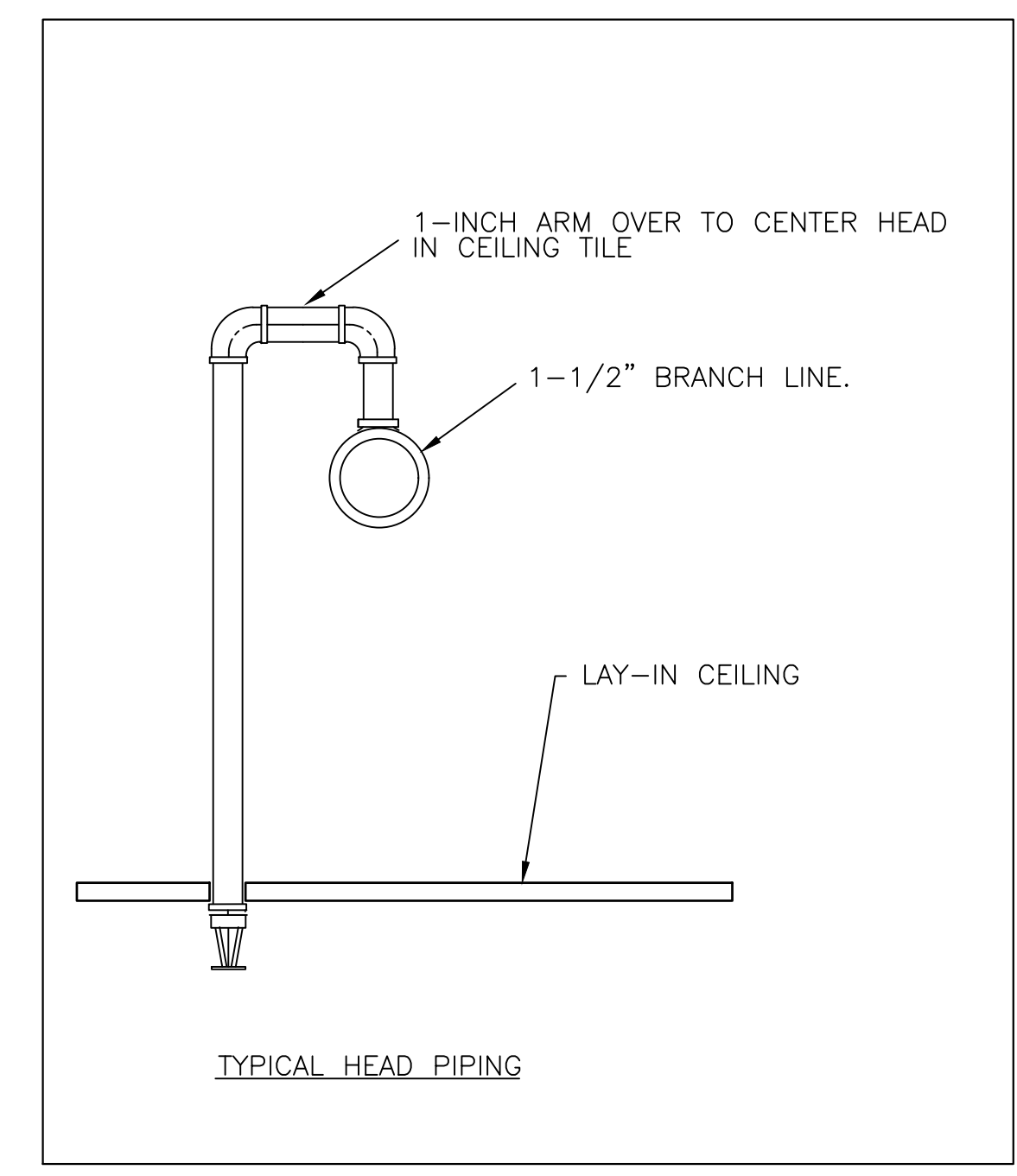
6 PONY WALL STUD DETAILS
G4 N. T. S.



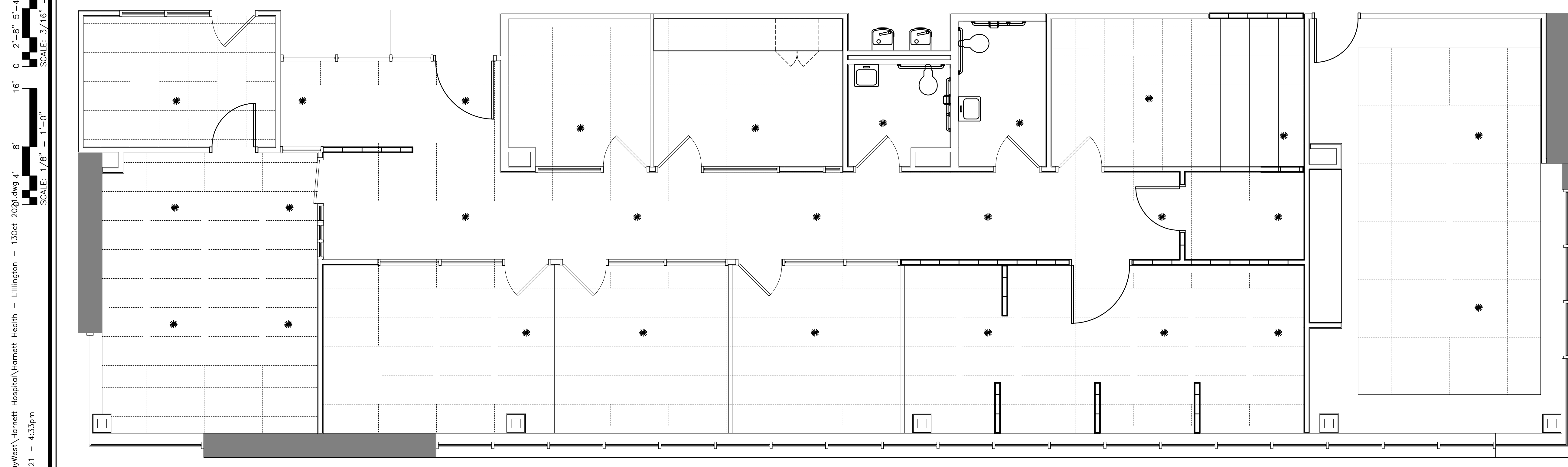
2 BUILDING KEY PLAN
 FP N.T.S.

GENERAL NOTES - FIRE PROTECTION

1. THE INFORMATION GIVEN HEREIN AND ON THE PLANS IS AS EXACT AS COULD BE SECURED FOR BIDDING PURPOSES, AND ITS ACCURACY IS NOT GUARANTEED. THE AUTOMATIC SPRINKLER CONTRACTOR IS RESPONSIBLE FOR EXAMINING BOTH THE EXISTING AND NEW JOB CONDITIONS AND VERIFYING ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC. BEFORE STARTING THE WORK.
2. THE DESIGN, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA-13, (2012) MANUFACTURERS RECOMMENDATIONS, APPLICABLE CODES, OWNER'S INSURANCE UNDERWRITER, AND ALL AUTHORITIES HAVING JURISDICTION.
3. THE AUTOMATIC SPRINKLER CONTRACTOR IS RESPONSIBLE FOR PROVIDING DESIGN, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS INCLUDING BUT NOT LIMITED TO ALL ITEMS WHICH APPLY AS OUTLINED IN NFPA-13.
4. THE AUTOMATIC SPRINKLER CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. WILL ALSO PULL ALL PERMITS.
5. OMIT
6. THE AUTOMATIC SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, RISES AND DROPS IN PIPING, AND AUXILIARY DRAINS AS REQUIRED BY BUILDING CODES, WHETHER SHOWN ON PLANS OR NOT.
7. PROVIDE AND INSTALL SEISMIC RESTRAINT FOR ALL PIPING CONDUIT & EQUIPMENT IN ACCORDANCE WITH REQUIREMENTS OF INTERNATIONAL BUILDING CODE.
8. THE AUTOMATIC SPRINKLER CONTRACTOR SHALL VERIFY THE WATER FLOW TEST INFORMATION PROVIDED WITHIN, BEFORE STARTING THE SPRINKLER SHOP DRAWINGS.
9. ALL NEW FIRE PROTECTION PIPING BOTH ABOVE AND BELOW GROUND SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA-13.
10. ALL ALARM, SUPERVISORY AND DETECTION SYSTEMS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM.
11. CUTTING AND PATCHING OF ANY EXISTING CONDITIONS INCLUDING FLOORS, WALLS AND CEILINGS REQUIRED FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH ALL TRADES.
12. ALL EXPOSED FIRE PROTECTION PIPING IN CLOSETS, STAIRWELLS, MECHANICAL ROOMS ETC., SHALL BE PAINTED.
13. ALL ARM-OVERS TO BE 1" UNLESS NOTED OTHERWISE.
14. THE AUTOMATIC SPRINKLER CONTRACTOR IS RESPONSIBLE FOR EVALUATING THE CONDITIONS AFFECTING THE WORK.
15. PROVIDE SPRINKLERS AS NECESSARY TO ACCOMMODATE FLOOR PLAN.



3 ARM OVER DETAIL (TYPICAL)
 FP N.T.S.



1 FIRE PROTECTION PLAN
 FP 1/4" = 1'-0"

FIRE SPRINKLER SCOPE OF WORK:
 THE EXISTING CLINIC SPACE IS PROTECTED BY A FIRE SPRINKLER SYSTEM. WITH THE NEW LAYOUT THERE WILL NOT BE ANY SPRINKLER HEAD WORK REQUIRED. ALL HEADS WILL PROVIDE SUFFICIENT COVERAGE IN THEIR EXISTING LOCATION.

NOTE: EXISTING BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM. THE SYSTEM SHALL NOT BE MODIFIED OR REMOVED WITHOUT APPROVAL BY THE BUILDING OFFICIAL. CONSTRUCTION CHANGES, WHICH CREATE CONFLICTS WITH THE EXISTING DESIGN, SHALL BE CORRECTED IN ACCORDANCE WITH NFPA 13.

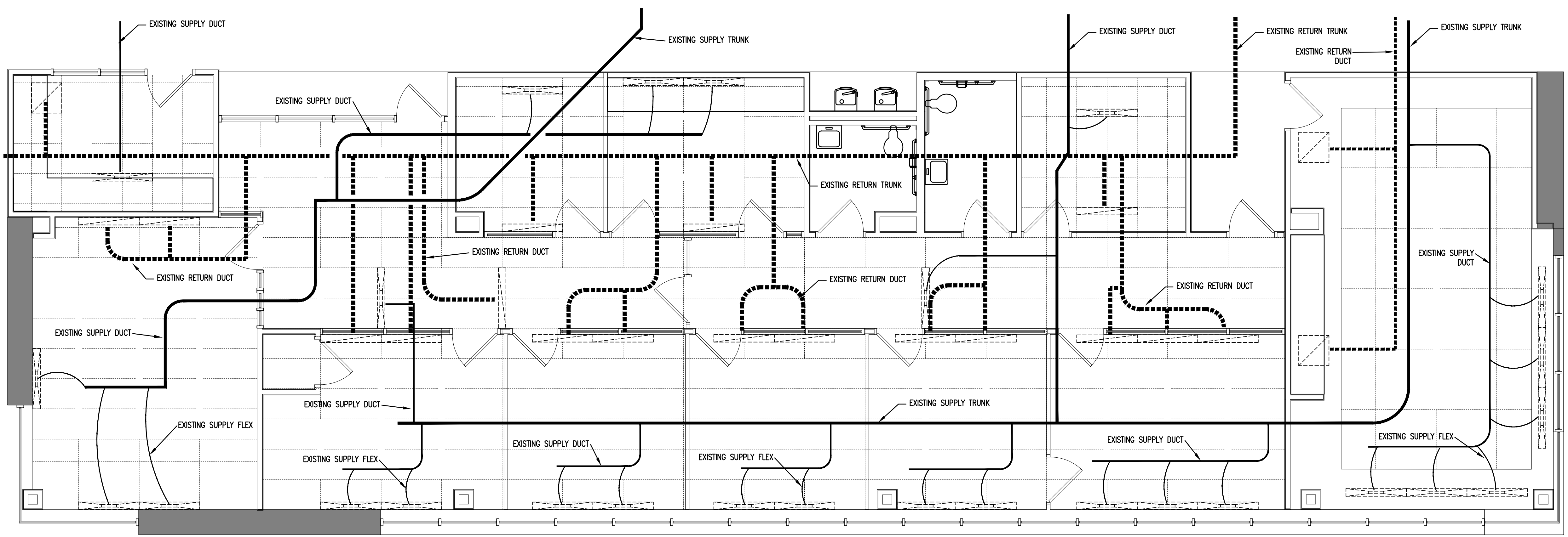
THESE DRAWINGS ARE DIAGRAMMATIC ONLY FOR SPRINKLER DESIGN. SHOP DRAWINGS WILL BE PROVIDED BY A LICENSED FIRE SPRINKLER CONTRACTOR FOR ANY WORK TO BE COMPLETED

* EXISTING SPRINKLER HEAD

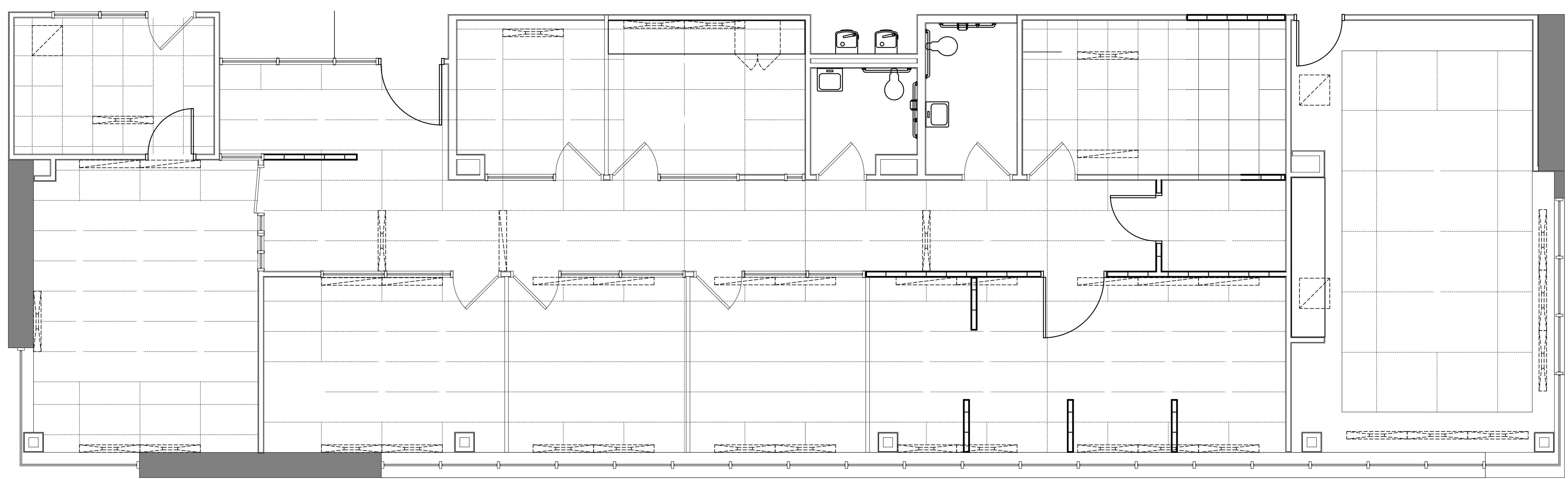
THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

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

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"

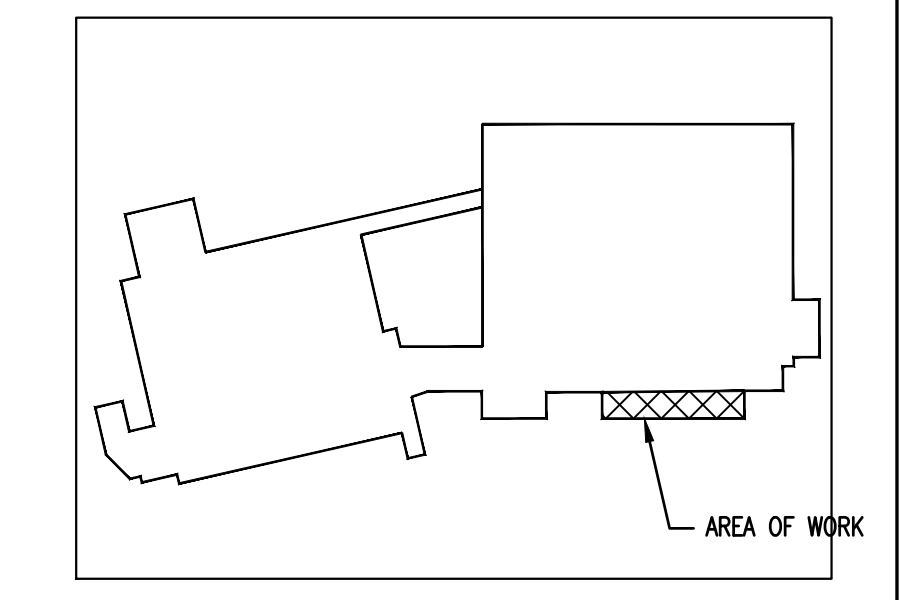
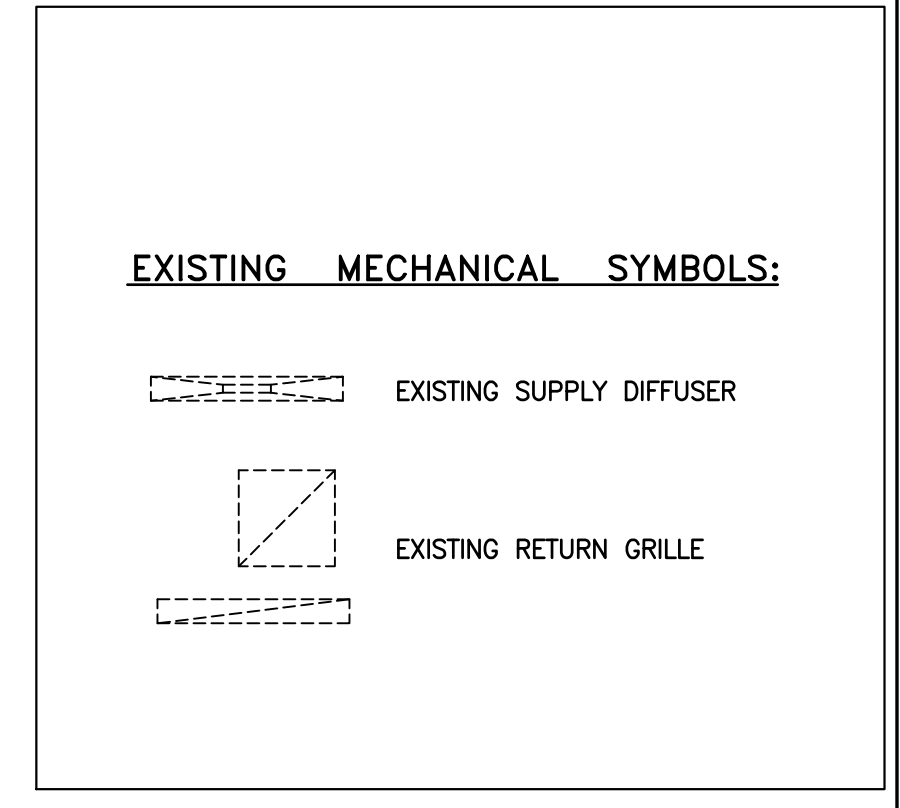


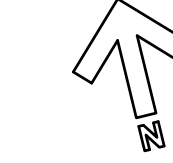
2 MECHANICAL FLOOR PLAN
 1/4" = 1'-0"
 NO MECHANICAL WORK REQUIRED

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.

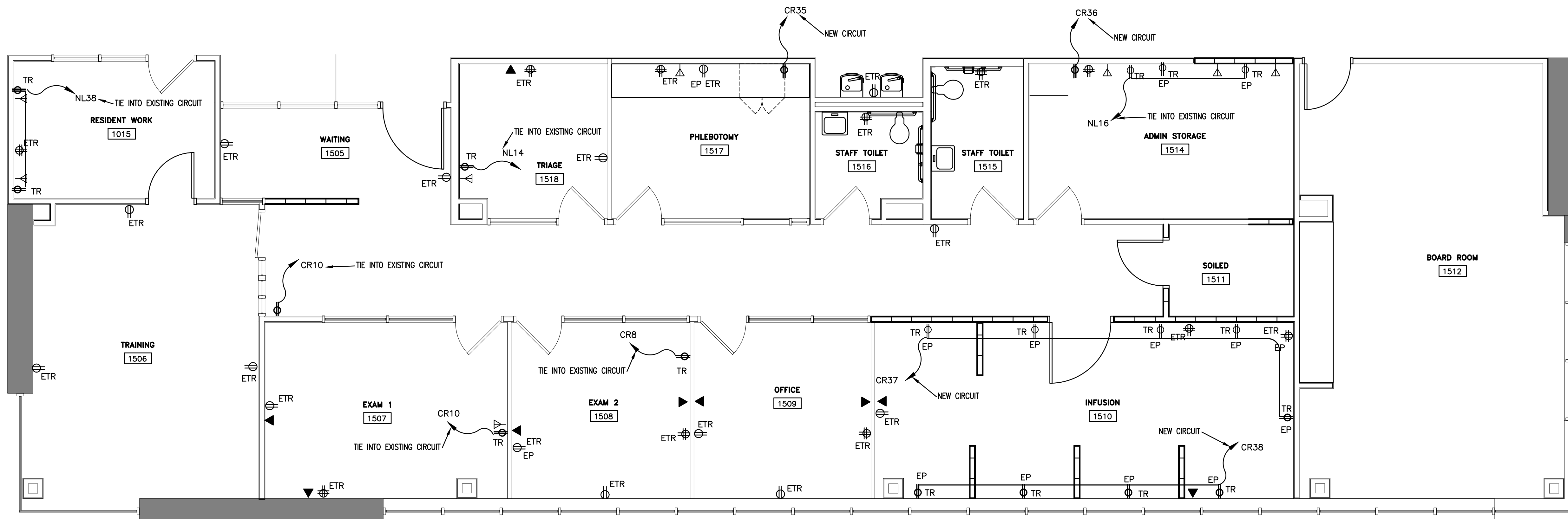
NOTE TO PLAN CHECKER:
 NO NEW COOLING/HEATING CAPACITY ADDED




3 KEY PLAN
 N.T.S.

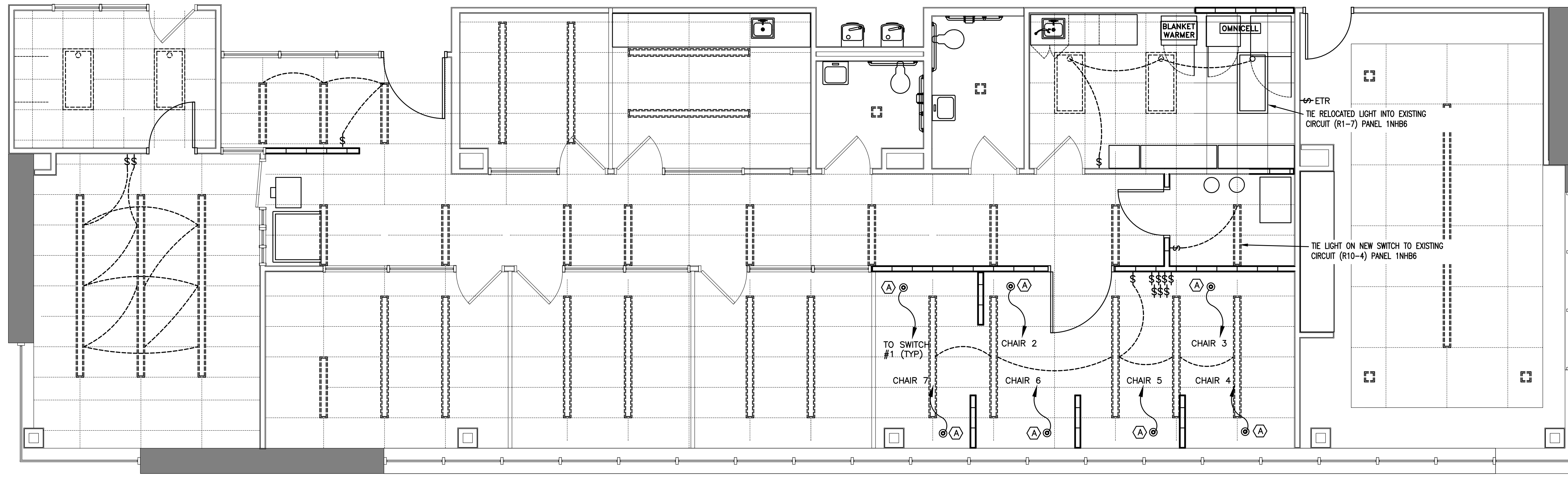
THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

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 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.



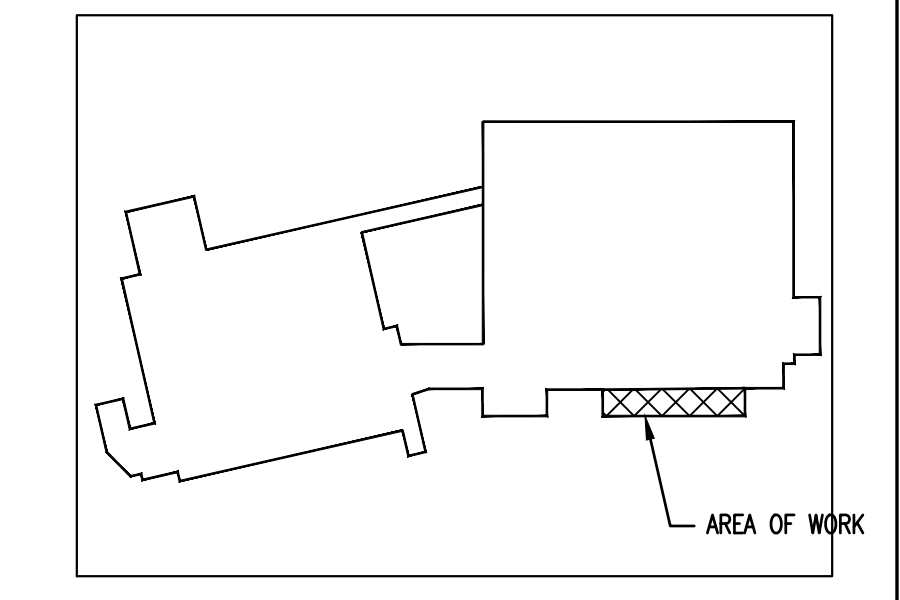
2 ELECTRICAL PLAN - LIGHTING
 E2 1/2" = 1'-0"

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 28183

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

Drawing File: H:\2021\RoyWest\Hornett Hospital\Hornett Health - Lillington - 13oct 2020.dwg 4' 8" 16' 0" 2'-8" 5'-4" 10'-8" 0" 2' 4" 8" 0" 1'-0" 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"

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL # (QTY.)	FIXTURE DESCRIPTION	FIXTURE MOUNTING	ACCESSORIES	SUPPLY	WASTE	VENT	ELECTRICAL	REMARKS
P-6	JUST	SL-1617-A-GR (6ea.)	1-COMP STAINLESS STEEL SINK	CABINET BASE	CHICAGO 786-E29VPCP (2.2GPM) FAUCET INCLUDE EYE WASH STATION IN ADMIN STOR	1/2" C.W. & HW	2"	1-1/2"		MATCH EXISTING FROM ORIGINAL PLANS CONSULT CLIENT FOR EQUAL IF NO MATCH
LG-1	LITTLE GIANT	WRSC-6	PRE-PACKAGED SIMPLEX SYSTEM	FLOOR MOUNTED			2"	1-1/2"	115V	LITTLE GIANT SUMP PUMP FOR USE IN ADMIN STOR. AND PHLEBOTOMY

- | | | | | | | | |
|------------------|---|-------------------------|--------------------------------------|------------------------------------|--|-----------------------------|--|
| ① HANDICAPPED | ④ SINGLE LIFT MIXING FAUCET | ⑦ 16-1/2" HIGH BOWL | ⑩ MOUNT BOTTOM OF APRON @ 29" A.F.F. | ⑬ 8.0 GPH OF 50°F TEMP DELIVERY | ⑯ HEAT TAPE | ⑲ 1 GALLON EXPANSION TANK | ⑳ EXISTING WATER HEATER TO BE RE-USUED |
| ② VITREOUS CHINA | ⑤ VINYL COVERED INSULATION FOR WASTE/WATER PIPING | ⑧ 1.6 GALLONS PER FLUSH | ⑪ CHROME FAUCET FINISH | ⑭ 8.0 GPH OF AMBIENT TEMP DELIVERY | ⑰ WEATHERPROOF GFI RECEPTACLE IN COVER | ㉑ NON-Traffic RATED | ㉒ LOCATED ABOVE CEILINGS IN RESTROOMS |
| ③ 4 INCH CENTER | ⑥ FLUSHING RIM | ⑨ WHITE FINISH | ⑫ STRAINER | ⑮ SPLIT-LEVEL | ⑱ BRONZE 2-PIECE BALL VALVE | ㉒ PORCELAIN COATED INTERIOR | ㉓ 20 AMP BREAKER |

PLUMBING GENERAL NOTES:

PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2018 NORTH CAROLINA PLUMBING CODE 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 BE TYPE "L" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND WROUGHT OR CAST VALVES AND FITTINGS (UNIONS, STRAINERS, ETC.). JOINT SHALL BE MADE WITH LEAD FREE SOLDER. PEX PIPING MAY BE USED 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/ARMALOX II ON ALL COLD WATER PIPES. RIGID URETHANE FOAM INSULATION, 1 INCH THICK ARMSTRONG/ARMALOX 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 2018 NORTH CAROLINA PLUMBING CODE 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.

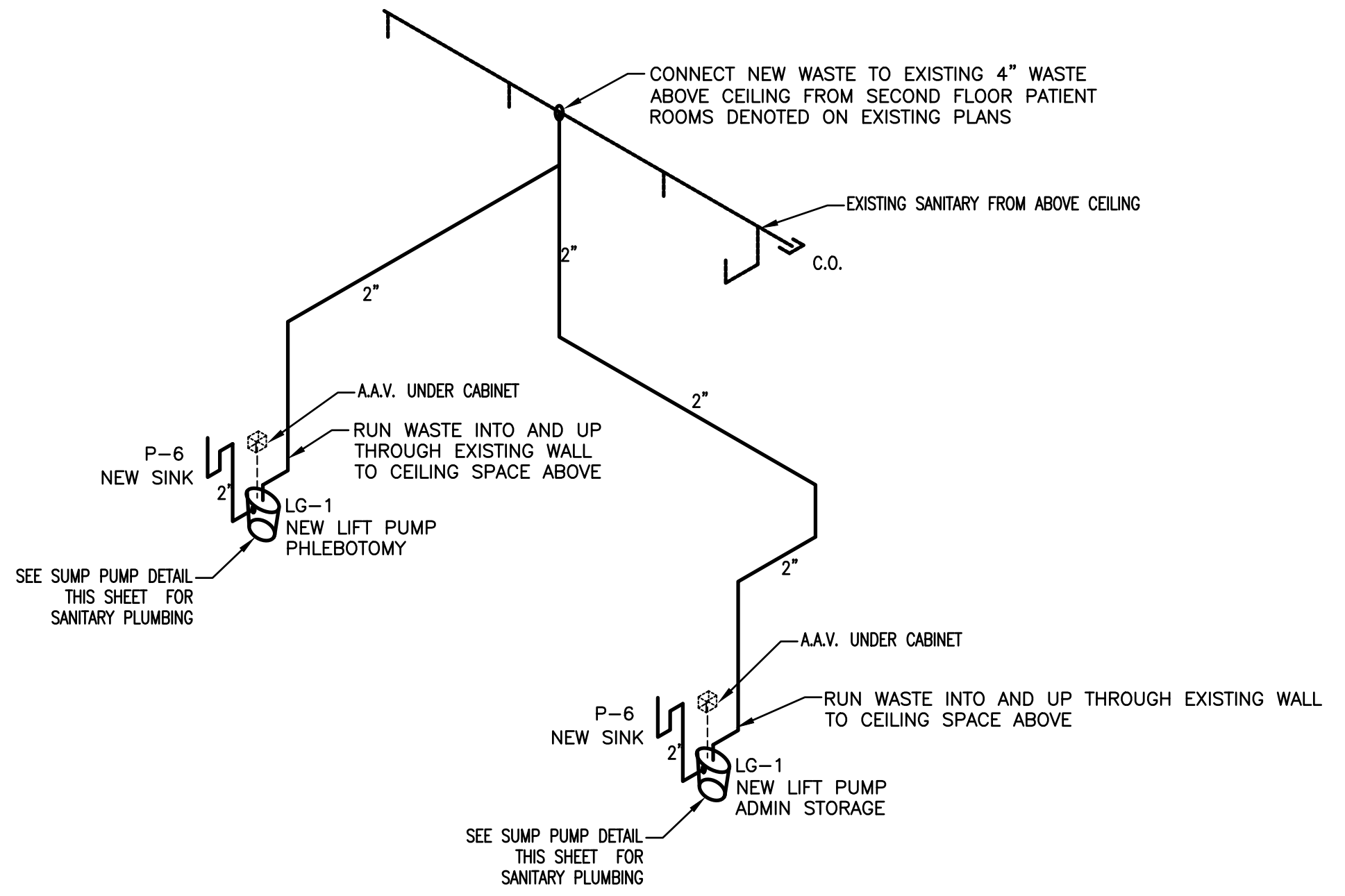
VENT FLASHING SHALL EXTEND DOWN AT LEAST 4 INCHES FROM THE TOP OF THE PIPE. FLASHING SHALL EXTEND AT LEAST 12 INCHES IN ALL DIRECTIONS FROM THE PIPE AND SHALL BE PARALLEL TO THE ROOF LINE.

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.

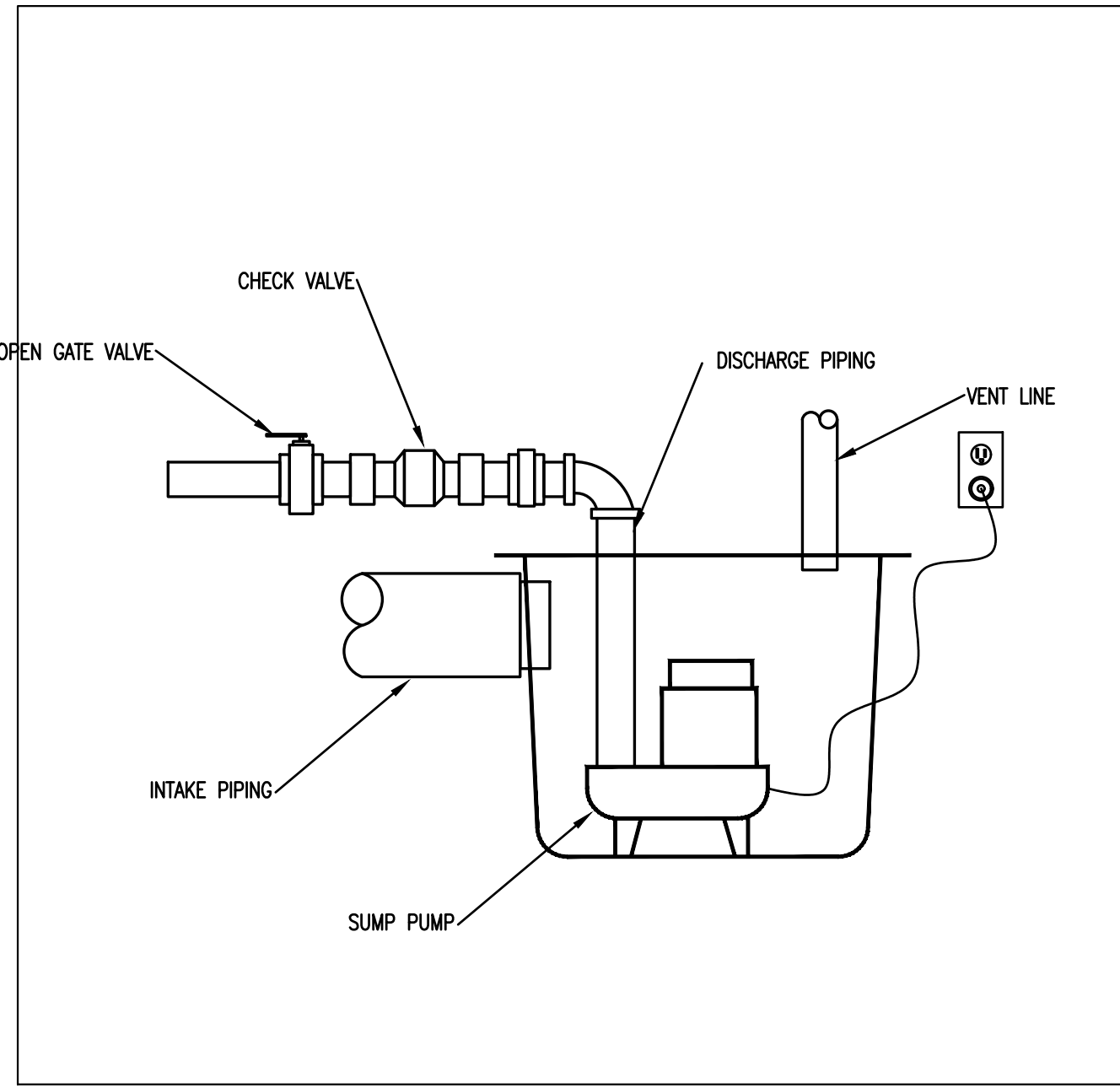
WATER CALCULATIONS				
QTY.	ITEM	C.W. FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS EACH	WATER SUPPLY FIXTURE UNITS TOTAL
2	SINK	3.0	3.0	6.0
TOTAL WATER SUPPLY FIXTURE UNITS ADDED TO EXISTING				6.0

DRAINAGE CALCULATIONS			
QTY.	ITEM	DRAINAGE FIXTURE UNITS EACH	DRAINAGE FIXTURE UNITS TOTAL
2	SINK	2.0	4.0
TOTAL DRAINAGE FIXTURE UNITS ADDED TO EXISTING			4.0



1 PLUMBING RISER
P1 N.T.S.

NOTE: TWO NEW SINKS INSTALLED UTILIZING EXISTING WATER WATER SERVICE FROM RESTROOM AREA
TWO NEW SUMP PUMPS INSTALLED UTILIZING EXISTING SANITARY ABOVE CEILING



SUMP PUMP DETAIL
TYP. INSTALLATION



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**
2218 RAYWEST ROAD, SUITE 300
FAYETTEVILLE, NC 28303

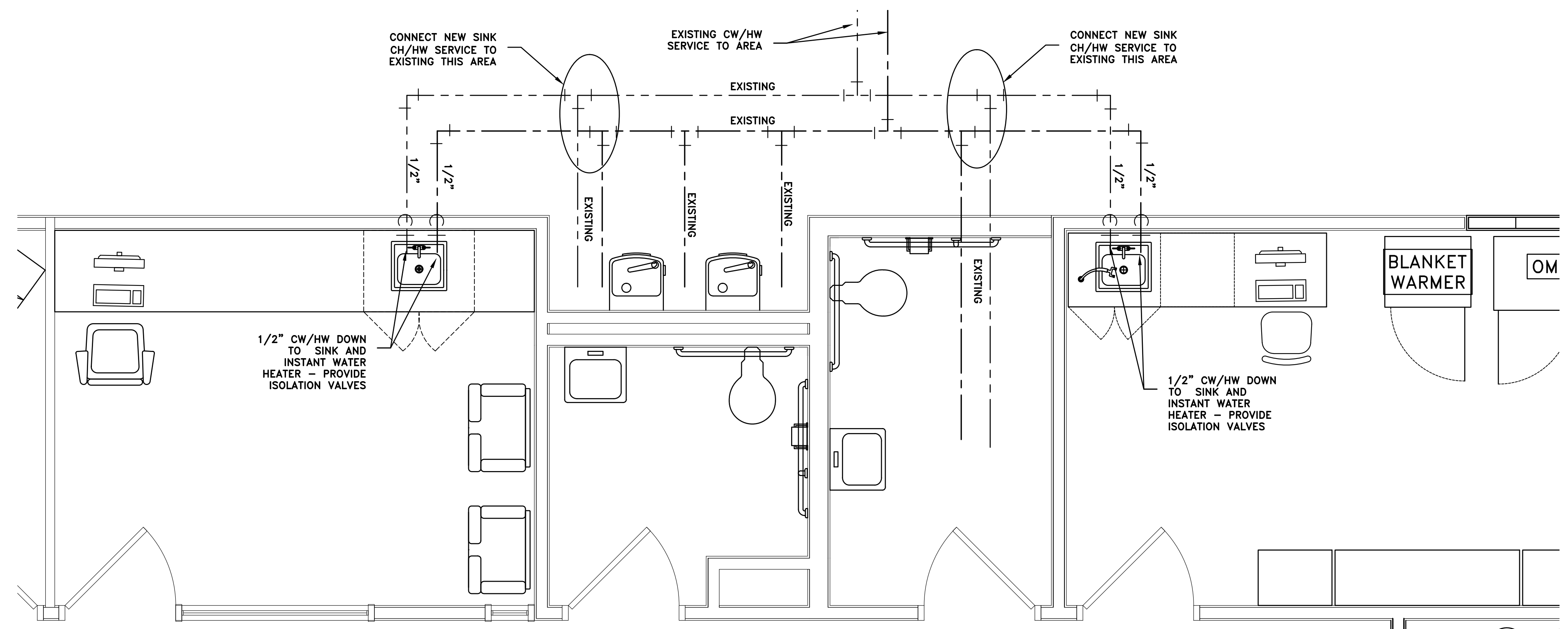


PROJECT: **LEVEL II ALTERATION - INTERIM CANCER CENTER - CHH ADMIN SPACE**
215 BRIGHTWATER DRIVE
LILLINGTON, NC. 27546
SHEET: **P1**

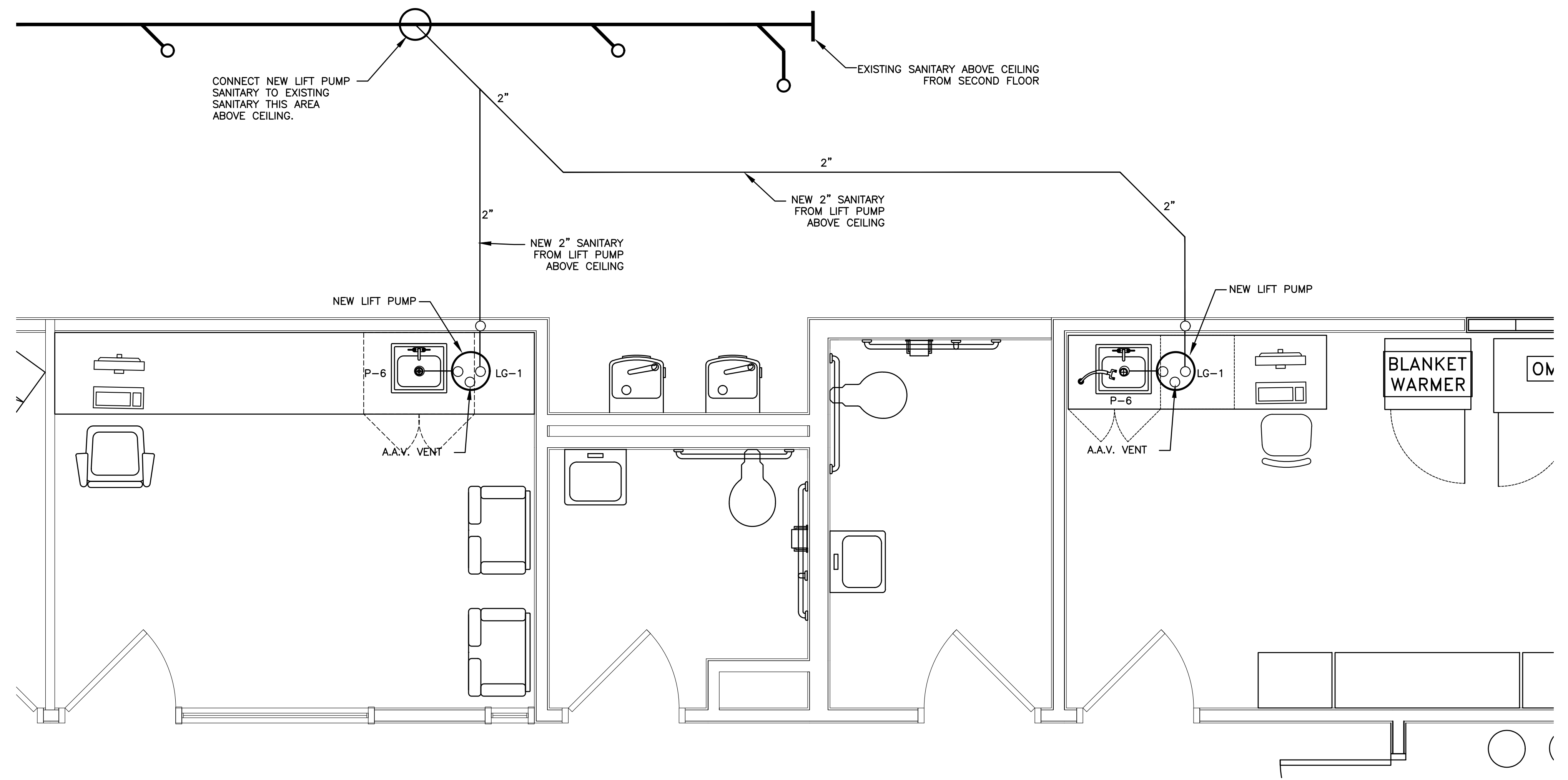
PLUMBING NOTES/SCHEDULE & RISER

THIS BUILDING IS FULLY PROTECTED BY A FIRE SPRINKLER SYSTEM

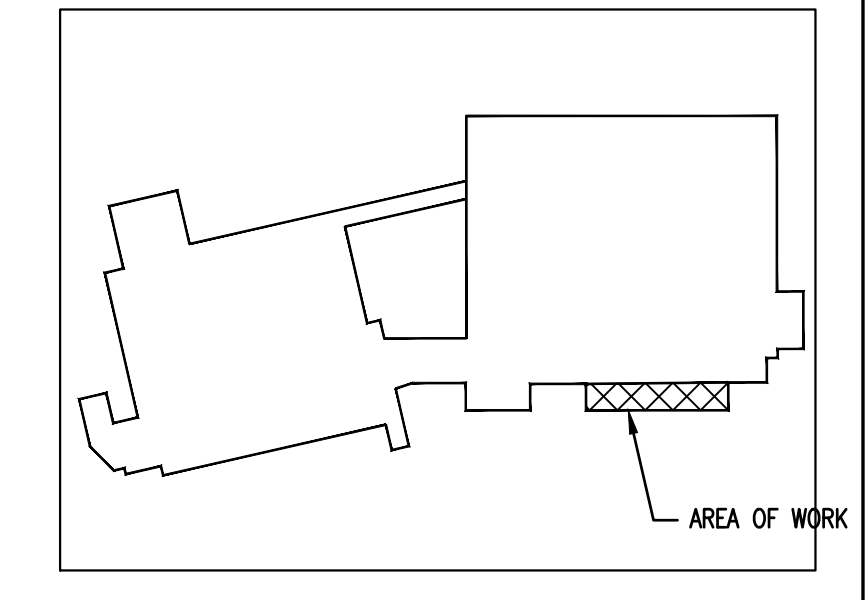
Drawing File: HA\2021\RoyWest\Hornett Hospital\Hornett Health - Lillington - 13Oct 2020.dwg 4'
 Plotted by: MWK
 Plotted Date: Oct 21, 2021 - 4:34pm



1 PLUMBING PLAN - WATER
 P2 1/2" = 1'-0"



2 PLUMBING PLAN - WASTE
 P2 1/2" = 1'-0"



3 KEY PLAN
 P2 N.T.S.

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.

PLUMBING SCOPE OF WORK:
 INSTALLING 2 NEW SINKS IN ADMIN STORAGE AND PHLEBOTOMY ROOMS. PLUMBING CONTRACTOR WILL CONNECT TO EXISTING COLD/HOT WATER FROM RESTROOM AREAS. WILL CONNECT SANITARY FROM 2 NEW SUMP PUMPS TO EXISTING SECOND FLOOR SANITARY ABOVE CEILING.

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 <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
CONTRACTOR/BUILDER:	RAYWEST DESIGNBUILD
DATE:	2018 HAYWARD 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:
PLUMBING PLAN - WATER/WASTE

P2