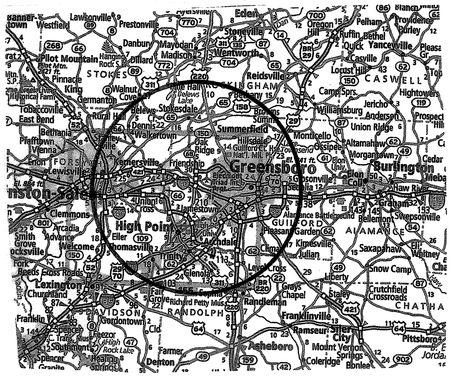
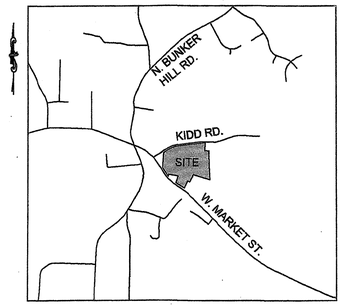



VICINITY MAP

# HEARTLAND LIVING AND REHABILITATION

9206-S West Market Street
Greensboro, North Carolina 27235

# STORAGE BUILDING




LOCATION MAP

## SCHEDULE OF DRAWINGS:

T 1 - COVER SHEET
T 2- STORAGE BUILDING APPENDIX B

### STRUCTURAL

S 1- STORAGE BUILDING FOUNDATION PLAN
S 2- STORAGE BUILDING FRAMING PLAN
S 3- STRUCTURAL DETAILS
S 4- STRUCTURAL DETAILS
S 5- STRUCTURAL DETAILS
SN 1- STRUCTURAL BUILDING DATA / SPECIAL INSPECTIONS REQUIREMENTS

### ARCHITECTURAL

A 1- STORAGE BUILDING PLAN, ELEVATIONS, AND DETAILS

### P.M.E.

PME 1- STORAGE BUILDING PME PLAN, SCHEDULES, AND NOTES

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON N.C.
7-6-2020

HEARTLAND LIVING AND REHABILITATION
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

STORAGE BUILDING

T 1

# NORTH CAROLINA BUILDING CODE SUMMARY

## EXTERIOR STORAGE BUILDING

### 2018 APPENDIX B
### BUILDING CODE SUMMARY
### FOR ALL COMMERCIAL PROJECTS
**(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**

Name of Project: HEARTLAND LIVING AND REHABILITATION - STORAGE BUILDING FOR NEW 128 BED NURSING FACILITY

Address: 9206-B W. MARKET STREET - GOLFAX, NORTH CAROLINA Zip Code: 27235

Owner/Authorized Agent: JIM SCHMIDLIN Phone 910-263-1378 E-mail jimschmidlin@century-care.com

Owned By: ☐ City/County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City _____ ☒ County GUILFORD ☐ State

DESIGNER OF RECORD:

LEAD DESIGN PROFESSIONAL: DAVID R. POLSTON, ARCHITECT

| DESIGNER | FIRM | NAME | LICENSE # | TELEPHONE # | E-MAIL |
|---|---|---|---|---|---|
| Architectural | DAVID R. POLSTON, ARCH. | DAVID R. POLSTON | 3275 | (910) 392-8928 | polstonarch@bellsouth.net |
| Civil | FLEMING ENGINEERING, INC. | BRENT SIEVERS, P.E. | 27339 | (336) 544-6432 | bsievers@falconsulting.com |
| Electrical | DAVID BITTS & ASSOC. | DAVID BITTS | 007138 | (910) 791-8616 | office@dbassoc.com |
| Fire Alarm | DAVID BITTS & ASSOC. | DAVID BITTS | 007138 | (910) 791-8616 | office@dbassoc.com |
| Plumbing | DAVID BITTS & ASSOC. | DAVID BITTS | 007138 | (910) 791-8616 | office@dbassoc.com |
| Mechanical | DAVID BITTS & ASSOC. | DAVID BITTS | 007138 | (910) 791-8616 | office@dbassoc.com |
| Sprinkler-Standpipe | DESIGN / BUILD BY SPRINKLER CONTRACTOR | | | | |
| Structural | HAUSER-CREECH | TED DETERS | 026492 | (919) 604-2540 | ted@hauser-creech.com |
| Retaining Walls > 5' High | | | | | |
| Other | | | | | |

2018 EDITION OF NC CODE: ☒ New Building ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction – Shell/Core – Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level 1 ☐ Level 2 ☐ Level 3
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) _____ CURRENT OCCUPANCY(S) (CH.3) _____
RENOVATED: (date) _____ PROPOSED OCCUPANCY(S) (CH.3) _____
RISK CATEGORY (table 1604.5): Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☒ I ☐ II ☐ III ☐ IV

BASIC BUILDING DATA:

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

Gross Building Area Table:

| FLOOR: | EXISTING (SQFT.) | NEW (SQFT.) | SUB-TOTAL |
|---|---|---|---|
| 3rd Floor | | | |
| 2nd Floor | | | |
| 1st. Floor | | 1,203 S.F. | |
| Mezanine | | | |
| Basement | | | |
| Total | | 1,203 S.F. | |

ALLOWABLE AREA

Primary Occupancy Classification(s):

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

Accessory Occupancy Classification(s): N/A

Incidental Uses (Table 509): N/A

Special Uses (Chapter 4 – List Code Selections): _____

Special Provisions (Chapter 5 – List Code Selections: N/A

Mixed Occupancy: ☒ No ☐ Yes Seperation ____ Hr. Exception: _____

☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ Seperated Use (508.4) – See below for area calcs.
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

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

_____ + _____ + .....= ____ ≤ 1.00

| STORY NO. | DESCR. AND USE | (A) BLDG. AREA PER STORY (ACTUAL) | (B) TABLE 506.2 AREA | (C) AREA FOR FRONTAGE INCREASE 1,5 | (D) ALLOWABLE AREA PER STORY OR UNLIMITED 2,3 |
|---|---|---|---|---|---|
| 1 | S-2 | 1,203 S.F. | 9,000 S.F. | NOT USED | 9,000 S.F. |
| | | | | | |
| | | | | | |
| | | | | | |

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a puplic way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f$ = 100 [F/P−0.25] x W/30 = _____ (%)

[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building $I_a$ = 200 percent
b. Single story building $I_s$ = 300 percent

[3] Unlimited area applicable under conditions of Sections 507.

[4] Maximum Building Area = total number of stories in the building x E (506.4).

[5] The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

ALLOWABLE HEIGHT

| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE |
|---|---|---|---|
| BUILDING HEIGHT IN FEET (Table 504.3) | 40' | 20' | TABLE 504.3 |
| BUILDING HEIGHT IN STORIES (Table 504.4) | 1 STORY | 1 STORY | TABLE 504.4 |
| | | | |

FIRE PROTECTION REQUIREMENTS

LIFE SAFETY PLAN SHEET NO., IF PROVIDED _____

| BUILDING ELEMENT | FIRE SEPERATION DISTANCE (FEET) | RATING REQ'D. | RATING PROVIDED (W/ REDUCTION) | DETAIL NO. AND SHEET NO. | DESIGN NO. FOR RATED ASSEMBLY | DESIGN NO. FOR RATED PENETRATION | DESIGN NO. FOR RATED JOINTS |
|---|---|---|---|---|---|---|---|
| Structural frame, including columns, girders, and trusses | | | | | | | |
| Bearing walls | | | | | | | |
| Exterior | > 30' | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| North | > 30' | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| East | > 30' | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| West | > 30' | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| South | > 30' | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| Interior | N/A | 1-HR. | 1-HR. | ——— | N/A | | |
| Nonbearing walls and partitions Exterior walls | | | | | | | |
| North | N/A | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| East | N/A | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| West | N/A | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| South | N/A | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | U-356 | | |
| Interior walls | N/A | Ø | ——— | ——— | N/A | | |
| Floor construction including supporting beams and joists | | | | | | | |
| Floor Ceiling Assembly | N/A | 1-HR. | 1-HR. | ——— | SLAB ON GRADE | | |
| Column Supporting Floor | N/A | N/A | N/A | N/A | N/A | | |
| Roof construction including supporting beams and joists | | | | | | | |
| Roof Ceiling Assembly | N/A | 1-HR. | 1-HR. | DETAIL # 1/A3 SHEET A-1 | ——— | | |
| Column Supporting Roof | N/A | 1-HR. | 1-HR. | N/A | N/A | | |
| Shafts – Exit | N/A | N/A | N/A | N/A | N/A | | |
| Shafts – Other | N/A | N/A | N/A | N/A | N/A | | |
| Corridor Seperation | N/A | Ø | ——— | N/A | N/A | | |
| Occup./Fire Barrier Sep. | N/A | 1-HR. | 1-HR. | N/A | N/A | | |
| Party/Fire Wall Sep. | N/A | 2-HR. | 2-HR. | N/A | N/A | | |
| Smoke Barrier Sep. | N/A | 1-HR. | 1-HR. | N/A | N/A | | |
| Tenant/Dwelling Unit/ Sleeping Unit Seperation | N/A | N/A | N/A | N/A | N/A | | |
| Incidental Use Sep. | N/A | 1-HR. | 1-HR. | N/A | N/A | | |

PERCENTAGE OF WALL OPENING CALCULATIONS

| FIRE SEPERATION DISTANCE (FEET) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (Table 705.8) | ALLOWABLE AREA (PERCENT) | ACTUAL SHOWN ON PLANS (PERCENT) |
|---|---|---|---|
| GREATER THAN 30 FEET | UP, NS | UNLIMITED | N/A |
| | | | |
| | | | |
| | | | |
| | | | |

ALL WINDOWS GREATER THAN 30 FEET TO REAL AND ASSUMED PROPERTY LINES

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☒ No ☐ Yes
Exit Signs: ☒ No ☐ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☒ No ☐ Yes ☐ Partial _____
Panic Hardware: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET NO. _____

☐ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assume 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 calculations (Table 1004.1.2)
☐ Occupant loads for each area
☐ Exit access travel distances (1017)
☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
☐ Clear exit widths for each door
☐ Maximum calculated occupant load capacity each exit door can accomodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A seperate schematic plan indicating where fire rated floor / ceiling and/or roof structure is provided for puposes of occupancy seperation.
☐ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

| TOTAL UNITS | ACCESSIBLE UNITS REQ. | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS REQ. | TYPE A UNITS PROVIDED | TYPE B UNITS REQ. | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NOT APPLICABLE

ACCESSIBLE PARKING
(SECTION 1106)

| LOT OR PARKING AREA | TOTAL NO. OF PARKING SPACES (REGULAR – NON-H/C) | | NO. OF ACCESSIBLE SPACES PROVIDED | | | TOTAL ACCESS. PROVIDED |
|---|---|---|---|---|---|---|
| | REQUIRED | PROVIDED | REGULAR W/ 5' ACCESS AISLE | VAN SPACES WITH 132" AISLE | VAN SPACES WITH 8' ACCESS AISLE | |
| FACILITY SPACES | | | | | | |
| | SEE CIVIL DRAWINGS FOR MAIN BUILDING (NO ADDITIONAL PARKING FOR STORAGE BUILDING) | | | | | |
| TOTAL | | | | | | |

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

| USE | | WATER CLOSETS MALE | WATER CLOSETS FEMALE | URINALS | LAVATORIES MALE | LAVATORIES FEMALE | SHOWERS/ TUBS | DRINKING FOUNTAINS REG. | DRINKING FOUNTAINS ACCESS. |
|---|---|---|---|---|---|---|---|---|---|
| SPACE | EXISTING | N/A | N/A | N/A | N/A | N/A | | N/A | N/A |
| | NEW | N/A | N/A | N/A | N/A | N/A | | N/A | N/A |
| | REQUIRED | N/A | N/A | N/A | N/A | N/A | | N/A | N/A |

SPECIAL APPROVALS

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

ENERGY SUMMARY:

ENERGY REQUIRMENTS:

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

Existing building envelope complies with code: ☐ No ☐ Yes (provide code or statutory reference): _____

Exempt Building: ☐ No ☐ Yes (provide code or statutory reference): _____

Climate Zone: ☐ 3A ☒ 4A ☐ 5A

METHOD OF COMPLIANCE: Energy Code ☒ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE: (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly: G.W.B., WOOD TRUSSES, DECKING, SHINGLES
U-Value of total assembly: .021
R-Value of insulation: 42
Skylights in each assembly: NOT APPLICABLE
U-Value of skylight: N/A
total square footage of skylights in each assembly: Ø

Exterior Walls (each assembly) DECORATIVE BLOCK / HARDIE-BOARD, WOOD STUDS, G.W.B. INT. SIDE / O.S.B. EXT. SIDE
Description of assembly:
U-Value of total assembly: .081
R-Value of insulation: 19
Openings (windows or doors w/ glazing)
U-Value of assembly: .38
Solar heat gain coefficient: .25
projection factor: N/A
Door R-Values: 2.1

Walls below grade (each assembly) NOT APPLICABLE
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly) NOT APPLICABLE
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors – slab on grade
Description of assembly: CONC. SLAB ON GRADE
U-Value of total assembly: N/A
R-Value of insulation: 15
Horizontal/Vertical Requirment: 24" HORIZONTAL, 16' VERTICAL
Slab Heated: _____

**STRUCTURAL DESIGN DATA SHEET (ASCE 7-10):**

**RISK CATEGORY** _____ I (NCSBC TABLE 1604.5) MINOR STORAGE

**OCCUPANCY CLASSIFICATION** _____ S-1 MODERATE STORAGE

**IMPORTANCE FACTORS:**
I seismic _____ 1.25
I snow _____ 1.10

**LIVE LOADS:**
ROOF _____ 20 psf
CATWALK _____ 40 psf
FLOOR _____ 100 psf

**SNOW LOAD:**
Pg _____ 15 psf

**WIND LOAD:**
Basic Wind Speed _____ 120 MPH
Exposure Category _____ C
Wind Base Shear (MWFRS)
Vx _____ 5.5 K
Vy _____ 9.9 K

**SEISMIC LOAD:**
Spectral Response
Ss _____ 0.168
S1 _____ 0.082
Sds _____ 0.179
Sd1 _____ 0.131
Seismic Design Category _____ B
Seismic Site Class _____ D (Default)
Structural System _____ Light framed walls sheathed w/ structural panel
R-Factor _____ 6.5
Analysis Procedure _____ Equivalent Lateral Force
Seismic Base Shear
Vx _____ 0.4 K
Vy _____ 0.4 K

**SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:**
Per ASCE 7 Chapter 13 all non-structural components are exempt.

**LATERAL DESIGN CONTROL:**
X-Direction _____ Wind
Y-Direction _____ Wind

**SOIL BEARING PROPERTIES:**
Allowable Bearing Capacity_3000 psf (Geo-Hydro Engineers, Project #252953.2) dated February 13, 2026)

**SEE MECHANICAL DRAWINGS FOR MECHANICAL METHOD OF COMPLIANCE BUILDING DATA**

**SEE ELECTRICAL DRAWINGS FOR ELECTRICAL METHOD OF COMPLIANCE BUILDING DATA**

DAVID R. POLSTON
REGISTERED ARCHITECT
3275
NORTH CAROLINA
WILMINGTON, N.C.
7-6-2026

**HEARTLAND LIVING AND REHABILITATION**
Greensboro, North Carolina

**David R. Polston - Architect**
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

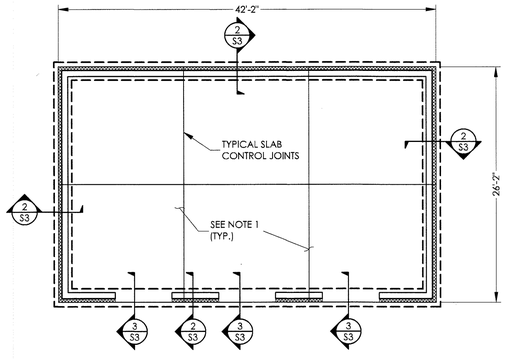
STORAGE BUILDING

T 2

## NOTES:

1. PROVIDE 4" CONCRETE SLAB ON GRADE REINFORCED W/ WWF 6x6-W1.4xW1.4 OVER 10 MIL POLY VAPOR BARRIER (LAP EDGES 6" MIN.) OVER 4" POROUS BASE. ALL DIMENSIONS REFERENCED TO CENTERLINE OF COLUMNS, FACE OF EXTERIOR VENEER, AND CENTERLINE OF INTERIOR BEARING WALLS. SEE ARCHITECTURAL AND STRUCTURAL SECTIONS TO DETERMINE EDGE OF SLAB. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
2. TOP OF EXTERIOR FTG. = F.F.E. -1'-4" AND FIN. GRADE -1'-0" (MIN.)
3. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
4. OMITTED
5. SEE DETAIL 1/S-3 FOR SLAB CONTROL JOINTS (CJ), ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
6. SEE ARCHITECTURAL DRAWINGS. FOR LOCATIONS OF RECESSED AND/OR SLOPED SLAB AREAS. PROVIDE POSITIVE DRAINAGE FROM ALL PERIMETER WALLS TO FLOOR DRAIN. COORDINATE W/ PLUMBING DWGS. SEE DETAIL 5/S-3.
7. LOCATE CONTROL JOINTS UNDERNEATH NON-BEARING WALLS WHERE POSSIBLE.
8. PROVIDE (4) 2X6 @ EXT. WALLS, (5) 2X4 @ INT. WALLS BEARING (MIN.) AT ALL GIRDER TRUSSES BEARING POINTS AND SHEARWALL END POSTS W/ SIMPSON HTT4 AT STUD BASE.
9. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
10. SEE FOOTING SCHEDULE FOR SIZES AND REINFORCING.
11. OMITTED
12. ALL EXTERIOR STUDS SHALL BE 2x6 SPF NO. 2 STUDS AT 16" O.C. ALL INTERIOR STUDS AT BEARING WALLS AND SHEAR WALLS SHALL BE 2x4 SPF NO. 2 STUDS AT 16" O.C.
13. PROVIDE (2) 6'-0" LONG #5 BARS AT RE-ENTRANT CORNERS, PLACE AT MID-DEPTH OF SLAB.
14. INTERIOR FOOTING DIMENSIONS SHOULD NOT BE USED TO LOCATE INTERIOR WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL INTERIOR WALL DIMENSIONS.
15. OMITTED
16. OMITTED
17. PROVIDE (2) 6'-0" LONG #5 BARS AT RE-ENTRANT CORNERS, PLACE AT MID-DEPTH OF SLAB.

WRAP ALL EXTERIOR WALLS WITH MINIMUM 7/16" OSB. PROVIDE HORIZONTAL 2x BLOCKS AT ALL UNSUPPORTED JOINTS. EDGE NAIL WITH 8d COMMONS AT 4" O.C. AND FIELD NAIL WITH 8d COMMONS AT 12" O.C.




**STORAGE BUILDING FOUNDATION PLAN**

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


HAUSER-CREECH, INC.
PROJECT #: 25-001-002

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
048492
6/27/25
THEODORE A. DETERS

THEODORE A. DETERS
NORTH CAROLINA PE NO. 048492

HAUSER CREECH

HAUSER-CREECH, INC.
P.919.817.7579
P.919.817.7676
F.919.404.2427
4506 PEARCES RD.
ZEBULON, NC
27597


HEARTLAND LIVING AND REHABILITATION
GREENSBORO, NORTH CAROLINA

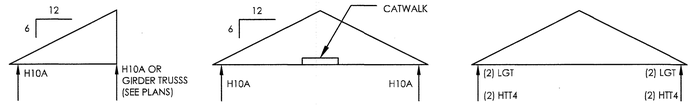

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design


STORAGE BUILDING

ISSUE DATE: 06.29.2026

| REV | DATE |
|---|---|
| | |

S1

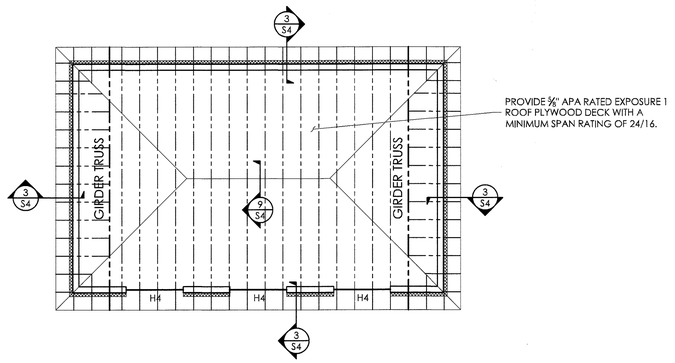



TRUSS TYPE "I" | TRUSS TYPE "A" | GIRDER TRUSS TYPE "D"

* ALL TRUSS PROFILES ARE NOT SHOWN.
* BOTTOM CHORD RECESSES ARE NOT SHOWN FOR CLARITY. SEE PLANS FOR LOCATIONS OF RECESSES.

## NOTES:

1. ALL TRUSS SPACING IS AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SPACE TRUSSES AT ATTIC ACCESS DOORS TO ALLOW FOR PROPER INSTALLATION.
2. TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS, LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS. ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
3. THE CONTRACTOR MUST VERIFY THAT ALL LATERAL BRACING REQUIRED FOR TRUSS WEBS IS INSTALLED PER THE TRUSS SHOP DRAWINGS AND DETAIL 4/S-5.
4. REFER TO FOUNDATION PLAN FOR DIMENSIONS AND TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
5. DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER, AND ARCHITECTURAL LOADS AS REQUIRED.
6. ALL TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS DESIGNER AND SHALL BE CLEARLY INDICATED ON THE TRUSS SHOP DRAWINGS.
7. SEE DETAIL 7/S-4 OR 8/S-4 FOR ROOF DECK NAILING PATTERN.
8. PROVIDE L4x4x5/16 MIN. LOOSE LAID BLOCK LINTEL ABOVE ALL OPENINGS UP TO 8'-0" WHERE OPENINGS EXCEED 8'-0" PROVIDE ½" Ø THRU BOLTS TO HEADER FOR SUPPORT OF BLOCK LINTEL.
9. VERIFY LOCATIONS AND AMOUNTS OF ALL HEADERS.
10. OMITTED
11. SEE ARCH. DWGS. FOR LOCATIONS OF FIRE/SMOKE WALLS AND DRAFT PARTITIONS. TRUSSES MUST BE COORDINATED WITH FIRE/SMOKE WALLS. WHERE ARCHITECTURAL PLANS REQUIRE SMOKE/FIRE WALLS TO EXTEND TO UNDER SIDE OF ROOF SHEATHING, THE TRUSSES MUST BE STOP AT THE FACE OF THE WALL.
12. OMITTED
13. VERIFY ATTIC ACCESS PANEL LOCATIONS W/ ARCH. DWGS. HEAD-OUT TRUSSES AS REQUIRED AND PROVIDE 2x6 LADDER BLOCKING AT TOP AND BOTTOM CHORDS WHERE TRUSS SPACING IS GREATER THAN 24" O.C..
14. SEE DETAIL 12/S5 FOR TOP PLATE SPLICE DETAIL.
15. SEE DETAILS 3/S-5 AND 4/S-5 FOR PERMANENT ROOF TRUSS BRACING.
16. OMITTED
17. PROVIDE (4) 2X6 AT EXTERIOR WALL AND (5) 2X4 @ INTERIOR WALL BELOW ALL GIRDER TRUSS BEARING POINTS PROVIDE LGT TIE DOWN WITH HTT4 AT STUD BASE..
18. OMITTED
19. TRUSS CLIPS AT ENDS OF TRUSSES HAVE BEEN DESIGNED TO TRANSFER LATERAL SHEAR LOAD AND UPLIFT INTO THE WALLS. ANY SUBSTITUTIONS MUST BE APPROVED BY THE EOR. H10A TIE DOWNS AT EXTERIOR WALLS MUST BE APPLIED OVER THE EXTERIOR WALL OSB SHEATHING.




**STORAGE BUILDING FRAMING PLAN**
SCALE: 1/8"=1'-0"


PLAN NORTH

| HEADER AND BEAM SCHEDULE | | |
|---|---|---|
| **TYPE** | **SIZE** | **NOTES** |
| H4 | (3) 2x8 | W/ (2) 1/2" PLYWOOD SPACERS. SEE 7/S5 |

WRAP ALL EXTERIOR WALLS WITH MINIMUM 7/16" OSB. PROVIDE HORIZONTAL 2x BLOCKS AT ALL UNSUPPORTED JOINTS. EDGE NAIL WITH 8d COMMONS AT 4" O.C. AND FIELD NAIL WITH 8d COMMONS AT 12" O.C.


HAUSER-CREECH, INC.
PROJECT #: 25-001-002

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
048492
6/29/26
THEODORE A. DETERS
THEODORE A. DETERS
NORTH CAROLINA PE NO. 048492

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HEARTLAND LIVING AND REHABILITATION
GREENSBORO, NORTH CAROLINA


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Architecture Planning Design


STORAGE BUILDING

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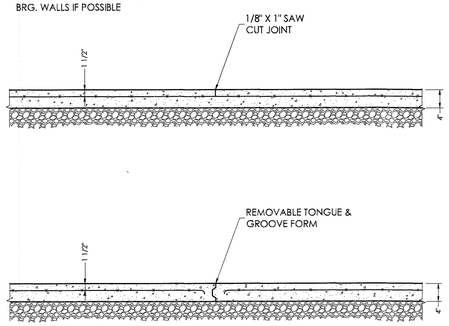
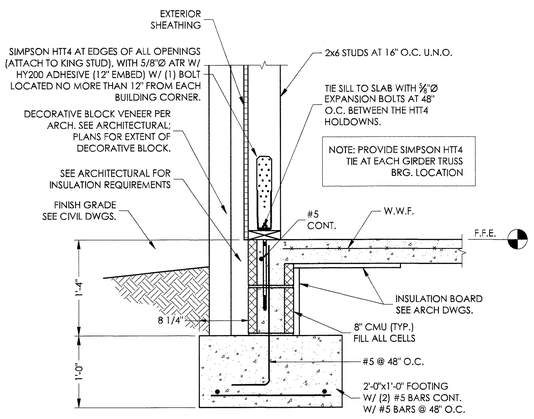
| | |

S2

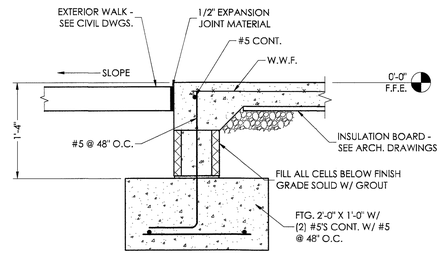
NOTE:
MAXIMUM JOINT SPACING SHALL
BE 18 FT. IN EACH DIRECTION
UNLESS SHOWN OTHERWISE ON PLAN
LOCATED UNDER NON-LOAD
BRG. WALLS IF POSSIBLE




1 S-3 **SLAB ON GRADE JOINTS**
**SCALE:** NONE

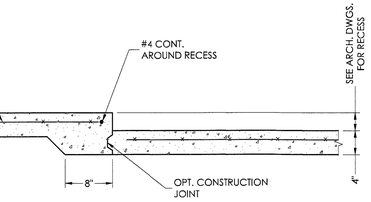



2 S-3 **EXTERIOR WALL SECTION**
**SCALE:** NONE




3 S-3 **EXTERIOR DOOR SECTION**
**SCALE:** NONE

4 S-3 **SCALE:** NONE

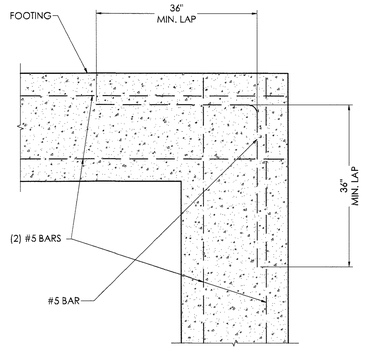



NOTE:
1. SEE ARCH. DWGS. AND FINISH SCHEDULE FOR DIMENSIONS AND LOCATIONS OF REQUIRED RECESSES
2. THICKENED SLABS @ RECESSED SLAB SHOULD BE STEPPED DOWN AS NECESSARY TO ACCOUNT FOR RECESS.

5 S-3 **TYP. RECESSED SLAB**
**SCALE:** NONE

6 S-3 **SCALE:** NONE

7 S-3 **SCALE:** NONE




8 S-3 **TYP. CONTINUITY CORNER**
**SCALE:** NONE

9 S-3 **SCALE:** NONE

10 S-3 **SCALE:** NONE

11 S-3 **SCALE:** NONE

12 S-3 **SCALE:** NONE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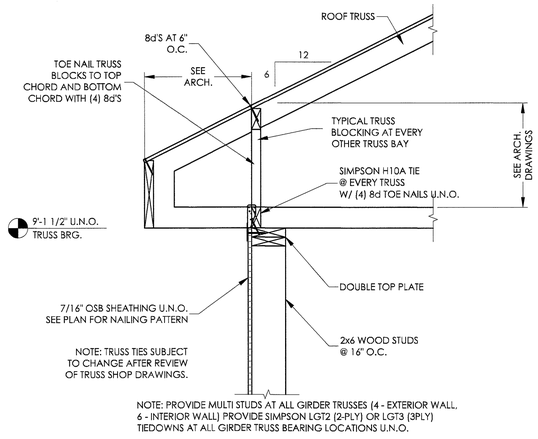
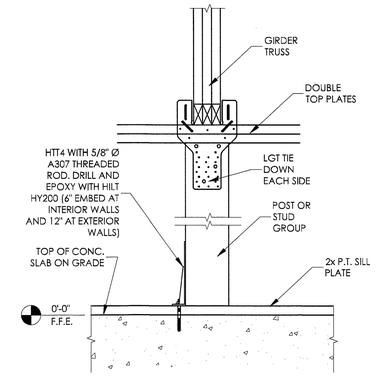
S3

1 / S-4 SCALE: NONE

2 / S-4 SCALE: NONE



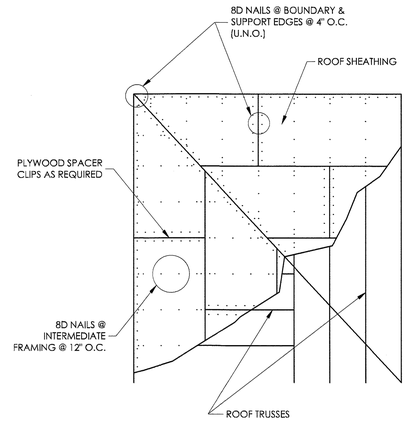

3 / S-4 PREFAB. TRUSS @ EXT. WALL
SCALE: NONE



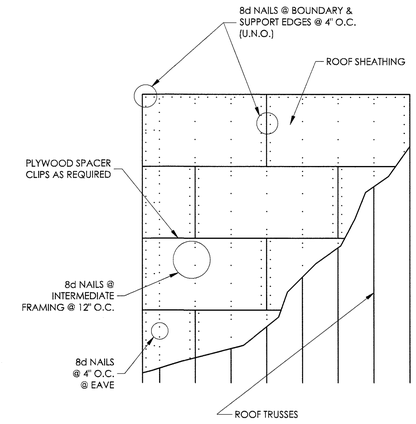

4 / S-4 GIRDER TIE DOWN
SCALE: NONE

5 / S-4 SCALE: NONE

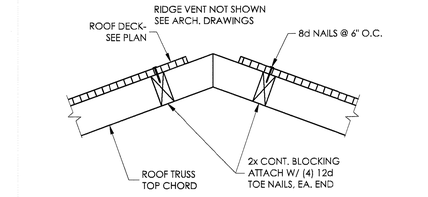
6 / S-4 SCALE: NONE



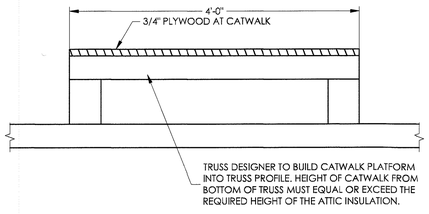

7 / S-4 ROOF DECK NAILING PATTERN
SCALE: NONE




8 / S-4 ROOF DECK NAILING PATTERN
SCALE: NONE GABLE END




SECTION @ RIDGE




SECTION @ CATWALK

9 / S-4 SECTION AT RIDGE AND CATWALK
SCALE: NONE

10 / S-4 SCALE: NONE

11 / S-4 SCALE: NONE

12 / S-4 SCALE: NONE

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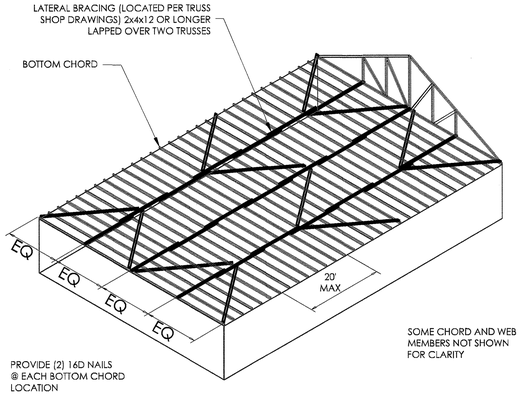
S4

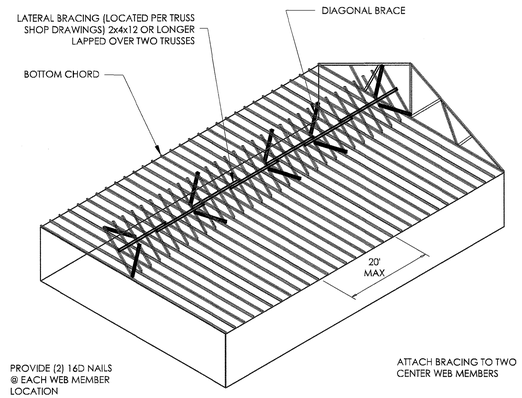
1 S-5 SCALE: NONE

2 S-5 SCALE: NONE



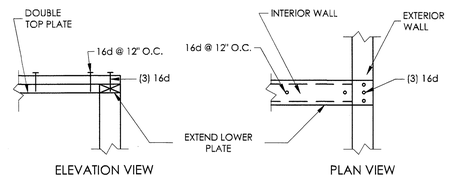

PERMANENT BRACING OF THE BOTTOM TRUSS CHORD

3 S-5 **PERM. TRUSS BRACING DETAIL** SCALE: NONE




PERMANENT BRACING OF CENTER WEB MEMBERS

4 S-5 **PERM. TRUSS BRACING DETAIL** SCALE: NONE

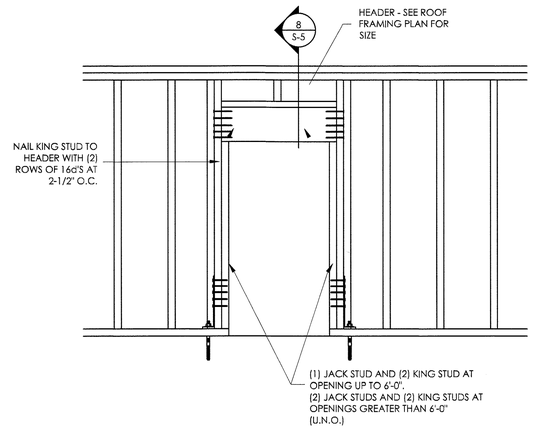



INTERSECTION OF INTERIOR AND EXTERIOR WALLS

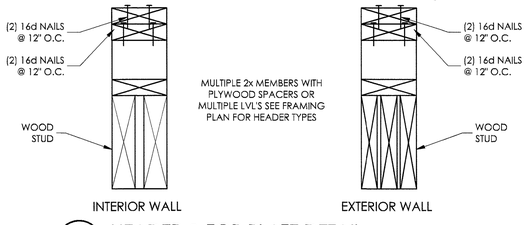
ATTACH SHEATHING AND WALLBOARD TO STUDS @ 7" O.C. U.N.O. PROVIDE DETAIL AT WALL BETWEEN EACH UNIT

5 S-5 SCALE: NONE

6 S-5 SCALE: NONE




7 S-5 **HEADER ELEVATION** SCALE: NONE

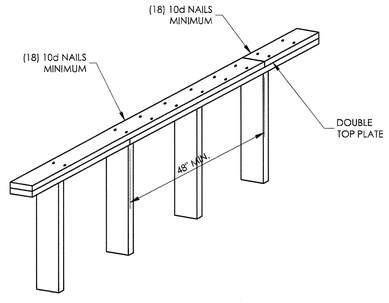



8 S-5 **HEADER & TOP PLATE DETAIL** SCALE: NONE

9 S-5 SCALE: NONE

10 S-5 SCALE: NONE

11 S-5 SCALE: NONE




12 S-5 **TOP PLATE SPLICE DETAIL** SCALE: NONE

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NORTH CAROLINA PROFESSIONAL SEAL 048492 ENGINEER THEODORE A. DETERS
6/27/26

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S5

## STRUCTURAL DESIGN DATA SHEET (ASCE 7-10):

**RISK CATEGORY** 1 (NCSBC TABLE 1604.5) MINOR STORAGE

**OCCUPANCY CLASSIFICATION** S-1 MODERATE STORAGE

**IMPORTANCE FACTORS:**
- I seismic 1.25
- I snow 1.10

**LIVE LOADS:**
- ROOF 20 psf
- CATWALK 40 psf
- FLOOR 100 psf

**SNOW LOAD:**
- Pg 15 psf

**WIND LOAD:**
- Basic Wind Speed 120 MPH
- Exposure Category C
- Wind Base Shear (MWFRS)
  - Vx 5.5 K
  - Vy 9.9 K

**SEISMIC LOAD:**
- Spectral Response
- Ss 0.168
- S1 0.082
- Sds 0.179
- Sd1 0.131
- Seismic Design Category B
- Seismic Site Class D (Default)
- Structural System Light framed walls sheathed w/ structural panels
- R-Factor 6.5
- Analysis Procedure Equivalent Lateral Force
- Seismic Base Shear
  - Vx 0.6 K
  - Vy 0.6 K

**SEISMIC ANCHORAGE OF NON-STRUCTURAL COMPONENTS:**
Per ASCE 7 Chapter 13 all non-structural components are exempt.

**LATERAL DESIGN CONTROL:**
- X-Direction Wind
- Y-Direction Wind

**SOIL BEARING PROPERTIES:**
Allowable Bearing Capacity_3000 psf (Geo-Hydro Engineers, Project #252953.20, dated February 13, 2026)

## STATEMENT OF SPECIAL INSPECTIONS:

**Project Name: Heartland Living and Rehabilitation - Storage Building**
**Building Permit Number:** _____

**Project Address: Greensboro, NC**

The following information is being submitted in accordance with the Special Inspection provisions of the International Building Code. Attached is the Schedule of Special Inspections (SSI) required for this project.

The Special Inspection program outlined herein does not relieve the Contractor or any other entity of contractual duties, including quality control, quality assurance or safety. The contractor is soley responsible for construction means, methods and job site safety.

Respectfully submitted,
The Structural Engineer of Record

Signature: _____ Date: 6/27/26

## SCHEDULE OF SPECIAL INSPECTIONS:

**Project Name: Heartland Living and Rehabilitation - Storage Building**

Construction divisions which require inspections for this project are as follows:

| INSPECTION TASK | CONTINUOUS (C) OR PERIODIC (P) INSPECTIONS C | P | SPECIAL INSPECTIONS FIRM | NOTES & SCOPE |
|---|---|---|---|---|
| **1. VERIFICATION OF SOILS (Table 1704.7)** | | | | |
| Verify materials below shallow Foundations are adequate to achieve the design bearing capacity. | | P | Testing Agency (TA) | Testing Agency shall provide soils report |
| Verify excavations are extended to proper depth. | | P | Testing Agency (TA) | |
| Perform Classification and testing of compacted fill materials. | | P | Testing Agency (TA) | |
| Verify use of proper materials, densities and lift thickness during placement and compaction of compacted fill. | C | | Testing Agency (TA) | |
| Prior to placement of compacted fill, observe sub-grade and verify that site has been prepared properly. | | P | Testing Agency (TA) | |
| **2. REINFORCED CONCRETE (Table 1704.4)** | | | | |
| Inspection of reinforcing steel, including prestressing tendons, and placement. ACI 318:3.5, 7.1-7.7 | | P | Testing Agency (TA) | ACI 318: 3.5,7.1-7.7 IBC: 1913.4 |
| Verifying use of required design mix: ACI 318: Ch. 4, 5.2-5.4 | | P | Testing Agency (TA) | ACI 318: Ch. 4, 5.2-5.4 IBC: 1904.2.2, 1913.2, 1913.3 |
| At the time fresh concrete is sampled to fabricate specimens for strength tests, slump, air content, and temperature of concrete. | C | | Testing Agency (TA) | ASTM C 172, C 31 ACI: 318: 5.6, 5.8 IBC: 1913.10 |
| **2. REINFORCED CONCRETE (Table 1704.4)** | | | | |
| InspectT OSB nailing patterns per structural plans. Inspect roof truss and top plate ties, holddowns, and anchorage per structural plans | | P | Special Inspector (SI) | |

## SCHEDULE OF SPECIAL INSPECTIONS (Continued):

**Project Name: Heartland Living and Rehabilitation - Storage Building**

Construction divisions which require inspections for this project are as follows:

| INSPECTION TASK | CONTINUOUS (C) OR PERIODIC (P) INSPECTIONS C | P | SPECIAL INSPECTIONS FIRM | NOTES & SCOPE |
|---|---|---|---|---|
| **3. STRUCTURAL STEEL (Table 1704.3)** | | | | |
| Material verification of high strength bolts, nuts and washers. | | P | Special Inspector (SI) | AISC 360, A3.3 |
| Inspection of high strength bolting, snug tight joints | | P | Special Inspector (SI) | AISC 360, M2.5 IBC 1704.3.3 |
| Material verification of structural steel. | | P | Special Inspector (SI) | Fabricator's bill of materials verification is acceptable. |
| All field welding. | | P | Special Inspector (SI) | AWS D1.1 IBC 1704.3.1 |
| **4. RETAINING WALLS (Table 1704.12)** | | | | |
| Inspect all retaining walls over 5 feet in height. | | P | Testing Agency (TA) | |
| **5. MASONRY** | | | | |
| As masonry construction begins, the following shall be verified to ensure compliance: (A) Proportions of site mixed mortar, (B) Construction of mortar joints, (C) Location of reinforcement and connectors. | | P | Testing Agency (TA) | ACI 318: 3.5,7.1-7.7 IBC: 1913.4 |
| The inspection program shall verify: (A) Size and location of structural elements, (B) Size, grade, type of reinforcement. (C) Protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F) | | P | Testing Agency (TA) | Sec. 2108.9.2.11, Item 2, Sec. 2104.3, 2104.4, ACI Sec. 1.15.4, 2.1.2, Sec, 1.12, Sec 2.1.8.6, 2.1.8.6.2, ACI 3.3G, Art 2.4,3.4, Art 1.8 |
| Prior to grouting, the following shall be verified to ensure compliance: (A) Grout space is clean. (B) Placement of reinforcement and connectors. (C) Proportions of site-prepared grout. (D) Construction of mortar joints | | P | Testing Agency (TA) | Sec. 1.12, Art. 3.2D, Art 3.4, Art. 2.6B, Art. 3.3B |
| Grout Placement shall be verified to ensure compliance with code and construction provisions: | | P | Testing Agency (TA) | Art. 3.5 |

## REINFORCED CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," (ACI 318, 14)
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60)
3. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE 3000 P.S.I. (SEE CIVIL DRAWINGS FOR SITE CONCRETE) KEEP COPY OF CONC. TEST REPORTS ON SITE AT ALL TIMES.
4. LAP SPLICES FOR #5 REINFORCING BARS SHALL BE 24" MIN., U.N.O.
5. CLEAR CONCRETE COVER FOR REINFORCING STEEL:
   - MASONRY WALLS: LOCATE IN CENTER OF WALL (U.N.O.)
   - FOOTINGS: 2" FORMED EDGES; 3" CAST AGAINST GROUND
   - SLAB ON GRADE: MID-HEIGHT OF SLAB
6. THE LONGITUDINAL REINFORCING STEEL IN WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
7. ALL CONCRETE SHALL BE VIBRATED BY MECHANICAL VIBRATORS.

## STRUCTURAL STEEL:

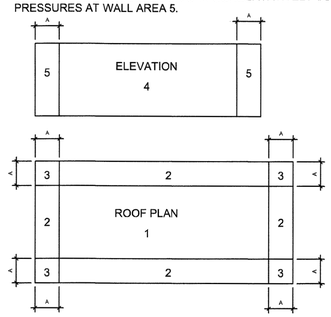
1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE A.I.S.C. "STEEL CONSTRUCTION MANUAL" 360-10.
2. STRUCTURAL STEEL SHALL BE ASTM A-992.
3. STRUCTURAL TUBES SHALL BE ASTM A500, GRADE B.
4. STEEL FRAMING CONNECTIONS SHALL BE BOLTED OR WELDED. BOLTS SHALL BE 3/4" DIAMETER MINIMUM AND SHALL BE ASTM A-325-N U.N.O., SNUG TIGHT ALL CONNECTIONS.
5. ANCHOR BOLTS SHALL BE ASTM F1554 HEADED BOLTS. MINIMUM ANCHOR BOLT EMBEDMENT LENGTH SHALL BE 12 BOLT DIAMETERS U.N.O. CLEAN ANCHOR BOLTS OF ALL GREASE, DIRT, ETC., BEFORE INSTALLATION.
6. WELDS SHOWN ON THE STRUCTURAL DRAWINGS ARE THE MINIMUM REQ'D BY DESIGN. THE FABRICATOR'S DRAWINGS SHALL SHOW WELDS AND THEY SHALL CONFORM TO A.W.S. SPECIFICATIONS. ALL WELDING SHALL BE DONE WITH E-70 SERIES ELECTRODES.
7. PAINT ALL STRUCTURAL STEEL WITH ONE COAT OF RED OXIDE RUST-INHIBITIVE PRIMER 2.5 MILS IN THICKNESS. THE COMPATABILITY OF PRIMER AND ANY TOP COAT SHALL BE VERIFIED BEFORE ANY PAINTING IS PERFORMED. TOUCH-UP ALL EXPOSED METAL AFTER FIELD INSTALLATION. ALL STRUCTURAL STEEL WHICH IS EXPOSED TO THE ELEMENTS SHALL RECEIVE TWO COATS OF EXTERIOR ENAMEL WHICH IS COMPATIBLE TO THE PRIMED SURFACE.
8. THE SHOP DRAWINGS SHALL INCLUDE COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND ASSEMBLY OF STRUCTURAL STEEL MEMBERS. SUBMIT FOUR PRINTS OF EACH DRAWING. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. CONTRACTOR TO REVIEW AND STAMP DRAWINGS PRIOR TO SUBMISSION TO THE EOR.

## WOOD TRUSSES:

1. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS INDICATED IN THE DESIGN INFORMATION SECTION.
2. IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR TRUSS DESIGN, THE TRUSS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR M, P&E EQUIPMENT OR MATERIALS AND BY SPRINKLER LOADS IN THE TRUSS DESIGN.
3. TRUSSES SHALL BE DESIGNED BY A REGISTERED ENGINEER IN THE STATE OF NORTH CAROLINA AND SHOP DRAWINGS BEARING THE ENGINEER'S SEAL SHALL BE SUBMITTED FOR APPROVAL.
4. TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TRUSS PLATE INSTITUTE TPI I-2002.
5. LIMIT LL DEFLECTION TO L/360. LIMIT TL DEFLECTION TO L/240 OR 1.25" MAX.

| WIND LOAD SCHEDULE | | | | | |
|---|---|---|---|---|---|
| COMPONENTS & CLADDING | ROOF WIND LOAD | | | WALL WIND LOADS | |
| | ROOF AREA | | | WALL AREA | |
| | 1 | 2 | 3 | 4 | 5 |
| PRESSURE (PSF) | +12.9 | +12.9 | +12.9 | +31.3 | +31.3 |
| SUCTION (PSF) | -26.4 | -64.2 | -72.2 | -34.0 | -41.5 |

1. CORNER DISTANCE, A=5 FEET, ROOF = 100 SF, WALL = 13 S.F. C&C
2. VALUES ARE NOT FACTORED. ASD LOAD FACTOR IS 0.6 FOR WIND.
3. DP FOR WINDOW AND DOOR CAN CONSERVATIVELY USE NEGATIVE PRESSURES AT WALL AREA 5.




## DESIGN INFORMATION:

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2018 NORTH CAROLINA BUILDING CODE, 2015 INTERNATIONAL BUILDING CODE AND ASCE 7-10.
2. DESIGN LOADS:
   - DEAD AND LIVE LOADS
   - ROOF LOADS
     - TOP CHORD DEAD 15 psf
     - BOTTOM CHORD DEAD 5 psf
     - TOP CHORD LIVE 20 psf
     - BOTTOM CHORD LIVE 10 psf (WITHOUT ATTIC STORAGE)
     - CATWALK 40 psf
   - FLOOR LOADS
     - TOP CHORD DEAD N/A
     - BOTTOM CHORD DEAD N/A
     - TOP CHORD LIVE N/A
     - BOTTOM CHORD LIVE N/A
   - RISK CATEGORY I
   - IMPORTANCE FACTORS
     - I seismic 1.25
     - I snow 1.10
   - GROUND SNOW LOAD (pg) 15 psf
   - DESIGN WIND SPEED 120 mph
   - SEISMIC DESIGN PARAMETERS
     - S1 8.2 %g
     - Ss 16.8 %g
     - SITE CLASS D (DEFAULT)
     - Sds 0.179
     - Sd1 0.131
     - SEISMIC DESIGN CATEGORY B
     - R 6.5
     - Cv 0.0344
3. ADDITIONAL LIVE LOADS PRESCRIBED IN ASCE7-10 RELATED TO ROOF ATTICS AND ROOF TRUSSES, INCLUDING LIMITED ACCESS STORAGE IN ATTICS SHALL APPLY TO PRE-FABRICATED TRUSSES, AND SHALL BE CLEARLY IDENTIFIED ON THE TRUSS SHOP DRAWINGS..
4. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
6. THIS PROJECT CONTAINS A SERIES OF DETAILS CONSIDERED "TYPICAL DETAILS". THESE SHALL APPLY AT ALL SITUATIONS THAT ARE THE SAME OR SIMILAR AS THESE DETAILS. THESE "TYPICAL DETAILS" SHALL APPLY WHETHER OR NOT THEY ARE INDICATED OR CUT AT EACH LOCATION.
7. VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE WORKED WITH ARCHITECTURAL DRAWINGS.
8. USE OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS ACCORDINGLY PRIOR TO SUBMITTING TO THE ENGINEER. THE OMISSION OF ITEMS FROM SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY OF FURNISHING AND INSTALLING ITEMS REGARDLESS OF WHETHER SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

## WOOD FRAMING (NOT INCLUDING PRE-FABRICATED TRUSSES):

1. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE FLORIDA BUILDING CODE AND TO THE NDS.
2. ALL NAILING (UNLESS NOTED OTHERWISE) SHALL CONFORM TO THE NORTH CAROLINA BUILDING CODE.
3. ALL STUDS, TOP PLATES AND SILL PLATES IN BEARING WALLS AND SHEARWALLS SHALL BE SPF NO. 2 OR BETTER.
4. ALL STUDS, TOP PLATES AND SILL PLATES IN NON-BEARING WALLS SHALL BE SPF NO. 3 OR BETTER.
5. ALL 2x NOMINAL HEADERS SHALL BE SPF NO. 2 OR BETTER OR SYP NO. 2 OR BETTER.
6. ALL EXPOSED LUMBER SHALL BE PRESERVATIVE TREATED.
7. FINGER JOINTED STUDS MAY BE USED IN INTERIOR APPLICATIONS PROVIDED THE STRUCTURAL PROPERTIES EQUAL OR EXCEED THAT OF THE SOLID SAWN LUMBER. FINGER JOINTED LUMBER SHALL NOT BE USED IN EXPOSED CONDITIONS.
8. ALL CONNECTIONS IN EXPOSED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
9. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED.
10. ALL MANUFACTURED LAMINATED VENEER LUMBER (LVL) SHALL HAVE A MODULUS OF ELASTICITY OF 2E6 psi AND A MINIMUM BENDING STRENGTH OF 2800 psi.
11. UNDER NO CIRCUMSTANCE SHALL LAMINATED VENEER LUMBER BE USED IN AN EXPOSED CONDITION. WHERE MANUFACTURER LUMBER IS REQUIRED IN AN EXPOSED CONDITION THE CONTRACTOR MUST USED PRESERVATIVE TREATED GLU-LAMINATED LUMBER (GLB).
12. ALL GLU-LAMINATED LUMBER SHALL BE GRADED ACCORDING TO THE PLANS. IF NO GRADE IS SPECIFIED A MINIMUM GADE OF 4VF2400 SHALL BE USED.

## FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED UPON SOIL VALUES PROVIDED BY GEO-HYDRO ENGINEERS, PROJECT #252953.20, DATED FEBRUARY 13, 2026. CONTRACTOR/OWNER SHALL VERIFY PRIOR TO CONSTRUCTION. FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SUITABLE SOIL CAPABLE OF SUPPORTING 3000 PSF.

*IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW RECOMMENDATIONS BY A LICENSED GEOTECHNICAL ENGINEER TO ACHIEVE 2000 PSF AND LESS THAN 1" ANTICIPATED SETTLEMENT.

2. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE BUILDING LIMITS BY A REGISTERED GEO-TECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A 2'-4" MINIMUM BELOW FINISHED SLAB. (U.N.O.)
4. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED OR CLEAN GRAVEL SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
5. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.
6. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY FOR PREPARING THE BUILDING PAD PER THE GEOTECHNICAL ENGINEER OF RECORD'S RECOMMENDATIONS.

## CONCRETE MASONRY:

1. CONCRETE MASONRY SHALL CONFORM TO THE NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS, AND HAVE A DENSITY OF125 P.C.F. AND SHALL HAVE A MINIMUM PRISM STRENGTH (F'm) OF 1500 P.S.I.
2. GROUT FOR FILLING CONCRETE MASONRY CELLS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR "GROUT FOR MASONARY", ASTM C-476-02, AND SHALL HAVE A COMPRESSIVE PRISM STRENGTH (F'm) OF 3000 P.S.I. AT 28 DAYS. THE SLUMP SHALL BE BETWEEN 9" AND 11". WHERE THE MINIMUM DIMENSION OF ANY CONTINUOUS VERTICAL CELL IS 3" OR LESS, USE FINE GROUT, OTHERWISE USE COARSE (PEA GRAVEL) GROUT.
3. MORTAR FOR CONCRETE MASONRY SHALL BE TYPE "S" AND SHALL CONFORM TO ASTM C-270-04. 4. GROUT PROCEDURES AND REBAR INSTALLATION SHALL PER ASTM ACI 530 1-99. PROVIDE 36" LAP SPLICES IN REBAR IN 12" CMU FIRE WALL.


HAUSER-CREECH, INC.
PROJECT #: 25-001-002

NORTH CAROLINA PROFESSIONAL SEAL 048492 ENGINEER THEODORE A. DETERS
6/27/26

THEODORE A. DETERS
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HEARTLAND LIVING AND REHABILITATION
GREENSBORO, NORTH CAROLINA


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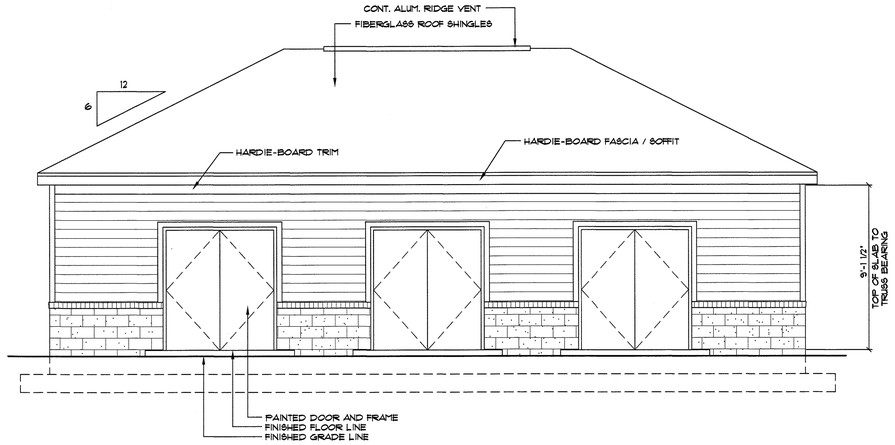
Architecture Planning Design


STORAGE BUILDING

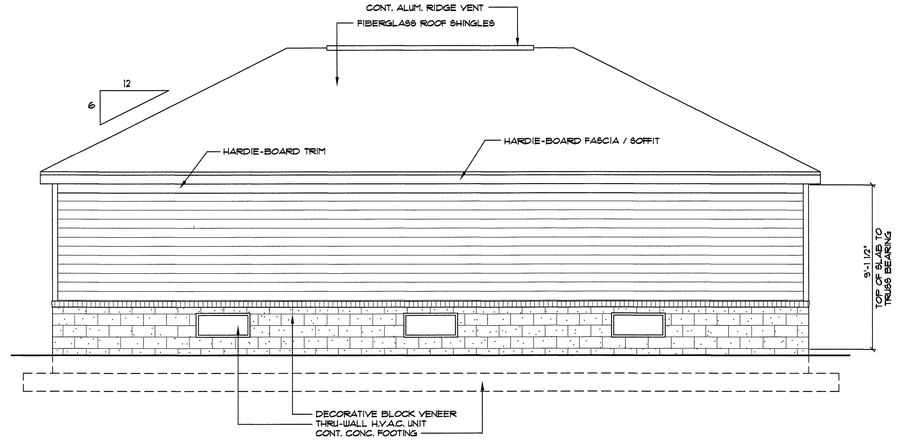
ISSUE DATE: 06.29.2026

| REV | DATE |
|---|---|
| | |

SN1

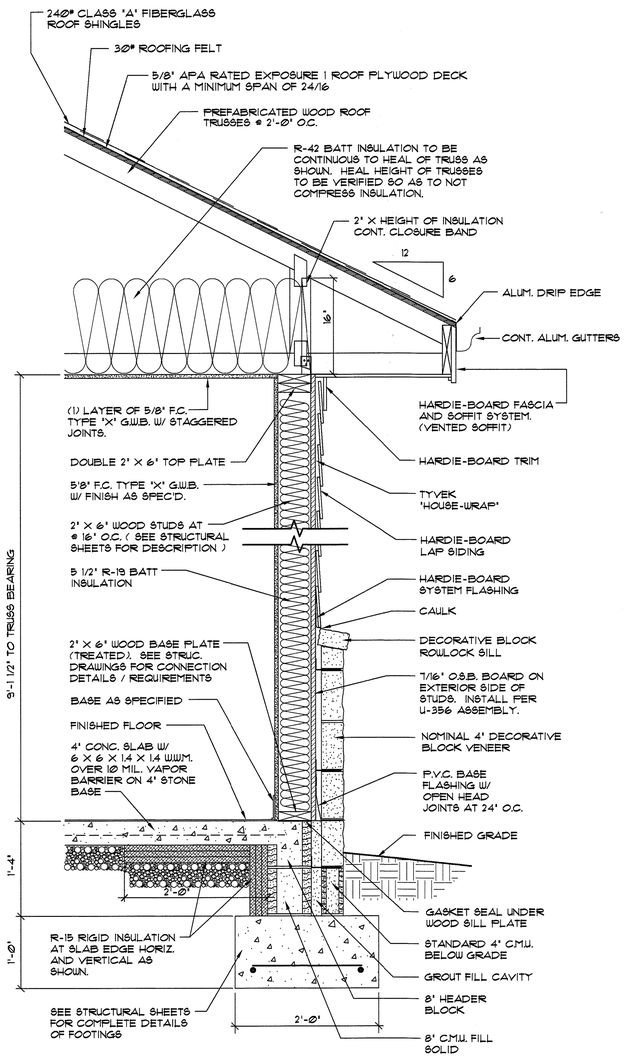



101 **ELEVATION**
SCALE: 1/4"= 1'-0"




102 **ELEVATION**
SCALE: 1/4"= 1'-0"

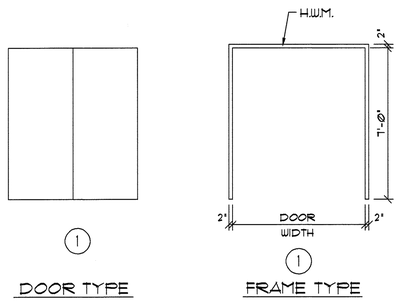
NOTE: VERIFY ALL TRUSS MEMBER SIZES WITH STRUCTURAL DRAWINGS.



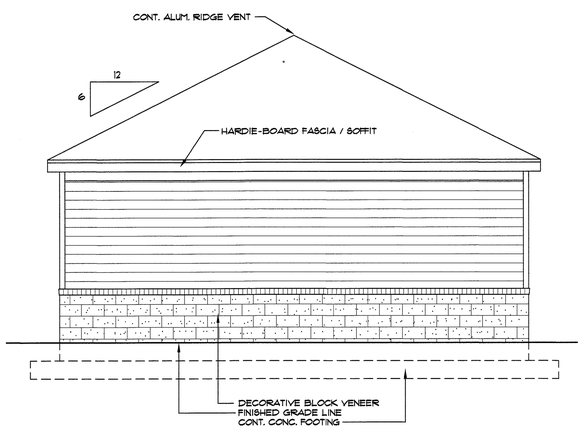

103 **SECTION** TYP. EXTERIOR WALL SECTION AT DECORATIVE BLOCK VENEER / HARDIE-BOARD SIDING
SCALE: 1"=1'-0"

## DOOR AND FRAME SCHEDULE

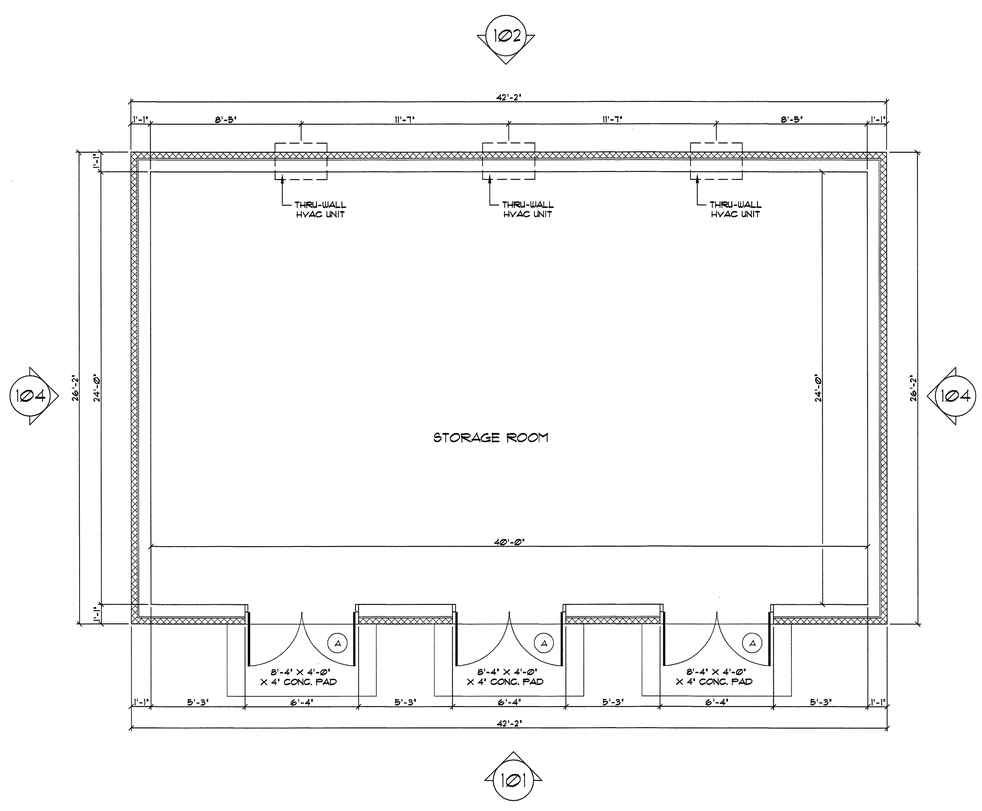
| | |
|---|---|
| DOOR TYPE 'A'= 6'-0" X 6'-8" | DOOR MATERIAL: HUM<br>DOOR TYPE: 1<br>DOOR LABEL: NONE<br>FRAME MATERIAL: HUM<br>FRAME TYPE: 1<br>HARDWARE SET: STANDARD HINGES<br>OFFICE FUNCTION (LEVER HANDLE LOCKSET)<br>FLUSH BOLTS<br>THRESHOLD<br>WEATHERSTRIPPING |




106 **DETAIL** STORAGE BUILDING DOOR AND FRAME TYPES
SCALE: 1/4"= 1'-0"




104 **ELEVATION**
SCALE: 1/4"= 1'-0"




105 **FLOOR PLAN** STORAGE BUILDING
SCALE: 1/4"= 1'-0"


DAVID R. POLSTON
REGISTERED ARCHITECT
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NORTH CAROLINA
WILMINGTON N.C.
7-6-2020

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**HEARTLAND LIVING AND REHABILITATION**
Greensboro, North Carolina

STORAGE BUILDING

A 1

## PACKAGE TERMINAL HEAT PUMP/AC SCHEDULE

| SYMBOL | COOLING CAP | VOLT | PHASE | MCA | BREAKER | FRESH AIR | MFG. | MODEL | EER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| PTAC-1 | 12,000 | 208 | 1 | 16 | 20/2 | 50 | AMANA | PTH127 | | FOR MAINTENANCE BLDG. |

**NOTES:**
1. PROVIDE ARCHITECTURAL GRILLE.
2. PROVIDE CORROSION RESISTANT CASE.
3. PROVIDE CORD AND PLUG.
4. SET UNIT TO RUN WHEN HEATING OR COOLING IS CALLED FOR.
5. PROVIDE T#-1 IN STORAGE/SHOP REMOTE BUILDING.

## LIGHTING FIXTURE SCHEDULE

| SYMBOL | DESCRIPTION | LAMP | | | | | | MFG. | MODEL | MOUNTING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | WATT | TYPE | COLOR TEMP | LUMENS | VOLT | | | | |
| A | 4' STRIP | – | 30 | LED | 3500K | 3967 | 120 | SIGNIFY DAY-BRITE | FSS440L835-UNV-DIM | SURFACE | – |
| ⊗ | EXIT | – | – | LED | – | – | 120 | ISOLITE | RL-EM-R-WH-UN-SD | WALL OR CEILING | PROVIDE BATTERY BACKUP. |
| ⊠ | EXIT/EMERGENCY | – | – | LED | – | – | 120 | ISOLITE | RLC-LED-R-U-WH-SD | WALL OR CEILING | PROVIDE BATTERY BACKUP. |
| ⊜ | EXTERIOR EMERGENCY EGRESS | 2 | 3 | LED | – | 640 | 120 | CHLORINE | PLACEM | WALL ABOVE DOOR | PROVIDE BATTERY BACKUP |

**LIGHTING FIXTURE NOTES:**
1. CONTRACTOR SHALL PROVIDE ALL LAMPS.
2. PROVIDE RATED CAPS FOR ALL RECESSED FIXTURES IN RATED CEILINGS.
3. SPACING FOR EMERGENCY FIXTURE AS SHOWN ON PLAN IS BASED OFF MANUFACTURER RECOMMENDED MAXIMUM SPACING. ANY SUBSTITUTIONS SHALL MEET OR EXCEED SPECIFIED FIXTURE SPACING GUIDELINES TO ACHIEVE REQUIRED EMERGENCY EGRESS LIGHTING LEVELS PER NFPA 101, OR ADDITIONAL FIXTURES WILL BE REQUIRED TO COMPENSATE.
4. OWNER SHALL APPROVE ALL FIXTURES

## PANEL-S

TYPE BOLT-ON MOUNTING SURFACE ENCLOSURE NEMA-1 PHASE 3 WIRE 4

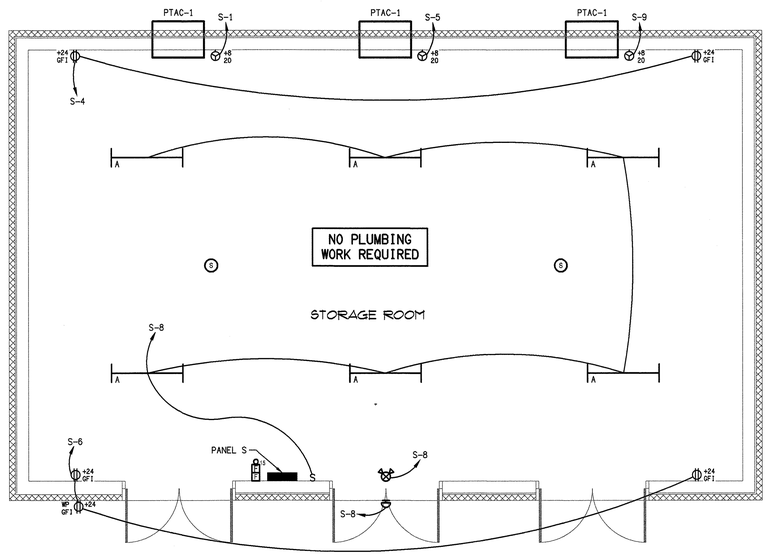
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

| CKT. NO. | CKT. BKR. TRIP | DESCRIPTION | PHASE LOADING A | B | C | A B C | LOADING PHASE A | B | C | DESCRIPTION | CKT. BKR. TRIP | CKT. NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/2 | PTAC – STORAGE | 14 | | | | – | | | SPARE | 20/1 | 2 |
| 3 | | | | 14 | | | | 4 | | RECPT – STORAGE | 20/1 | 4 |
| 5 | 20/2 | PTAC – STORAGE | | | 14 | | | | 6 | RECPT – STORAGE | 20/1 | 6 |
| 7 | | | 14 | | | | 8 | | | LTS – STORAGE | 20/1 | 8 |
| 9 | 20/2 | PTAC – STORAGE | | 14 | | | | – | | SPARE | 20/1 | 10 |
| 11 | | | | | 14 | | | | – | SPARE | 20/1 | 12 |
| 13 | 20/1 | SPARE | – | | | | – | | | SPARE | 20/1 | 14 |
| 15 | 20/1 | SPARE | | – | | | | – | | SPARE | 20/1 | 16 |
| 17 | 20/1 | SPARE | | | – | | | | – | SPARE | 20/1 | 18 |
| 19 | 20/1 | SPARE | – | | | | – | | | SPARE | 20/1 | 20 |
| 21 | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | 42 |
| SUBTOTAL | | | 28 | 28 | 28 | | 8 | 4 | 6 | | | |

TOTAL PANEL LOAD: A# 36A B# 32A C# 34A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

NOTES:




**A** Lighting, Power, Mechanical & Fire Alarm Plan - Storage
**PME1** SCALE: 1/4" = 1'-0"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Architecture Planning Design

| symbol | date | description | by |
|---|---|---|---|
| REVISIONS | | | |

**PM E1**

DSA #25924