

**25 February 2025**

**Addendum 6**

**Columbus County  
Sheriff's Department  
Whiteville, NC**

The following addendum shall supersede previous information and does hereby become part of the contract documents.

- See attached revised G-1, G-2, G-3.
- Equal lockers by Lockers MFG will be acceptable.
- STEGO Wrap 15mil Vapor Barrier will be acceptable equal product.
- Sod will be considered part of the landscape allowance.
- See attached SK-M mechanical plan area of HALL 172. The return grille is for 65cfm. It is connected to the system for GPU-6. There has to be a rigid steel duct crossing the fire rated wall between HALL 172 and Locker Room 169 with a fire damper in it.
- The 8" diameter round steel duct will have to extend through the wall of Office 123 and have a fire damper between Patrol 128 and Office 123.
- Sheet E3-Relocate the meter base, service entry rated ATS and the stand-by generator to the south east corner of the building immediately adjacent to the exterior wall of Mech/Elec room 131. Also, relocate Panel 'M' to that room and install it adjacent to Panel 'B'.
- See attached C-1 with impervious surface breakdown.

**End of Addendum 6**

**APPENDIX B**  
**2018 BUILDING CODE SUMMARY**  
**FOR ALL COMMERCIAL PROJECTS**  
(EXCEPT ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: COLUMBUS COUNTY SHERIFF'S OFFICE  
 Address: WHITEVILLE, NORTH CAROLINA Zip Code: \_\_\_\_\_  
 Owner/Authorized Agent: \_\_\_\_\_ Phone # ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 Owned By:  City/County  Private \_\_\_\_\_ State \_\_\_\_\_  
 Code Enforcement Jurisdiction:  City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

CONTACT:  
 DESIGNER: Coastal Architecture FIRM NAME: Les Dixon LICENSE #: 6419 TELEPHONE #: (252) 241-2121 E-MAIL: les@coastalarchitecture.net  
 Architectural: \_\_\_\_\_  
 Civil: \_\_\_\_\_  
 Electrical: Burke Design Group Ben Burke 22038 (919) 111-1916 benburke@ncrr.com  
 Fire Alarm: \_\_\_\_\_  
 Plumbing: Burke Design Group Ben Burke 22038 (919) 111-1916 benburke@ncrr.com  
 Mechanical: Burke Design Group Ben Burke 22038 (919) 111-1916 benburke@ncrr.com  
 Sprinkler-Standpipe: \_\_\_\_\_  
 Structural: FDR Health Hendrick (919) 421-0501 hhendrick@fdr-eng.com  
 Retaining Walls > 5 feet High: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE:  New Building  Shell/Remodel  1st Time Interior Completions  
 Addition  Phased Construction—Shell Core

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

CONSTRUCTED: (date) \_\_\_\_\_ CURRENT USE(S) (ch. 3): B, S-1, A-3  
 RENOVATED: (date) \_\_\_\_\_ PROPOSED USE(S) (ch. 3): B, S-1, A-3

OCCUPANCY CATEGORY (Table 1604.5): Current: B, S-1, A-3 Proposed: \_\_\_\_\_

**BASIC BUILDING DATA**  
 Construction Type: (check all that apply)  
 IA  IIA  III-A  IV  V-A  
 IB  IIB  III-B  V-B  
 Sprinklers:  No  Partial  NFPA 13  NFPA 13R  NFPA 13D  
 Standpipes:  No  Class  Wet  Dry  
 Primary Fire District:  No  Yes Flood Hazard Area:  No  Yes  
 Special Inspections Required:  No  Yes

**GROSS BUILDING AREA TABLE**

| Floor        | Existing (sq ft) | New (sq ft) | Subtotal |
|--------------|------------------|-------------|----------|
| 3rd Floor    |                  |             |          |
| 2nd Floor    |                  |             |          |
| Mezzanine    |                  |             |          |
| 1st Floor    | 0500             | 20450       | 30950    |
| Basement     | AUTO PARK LEVEL  |             |          |
| <b>TOTAL</b> |                  | 20450       | 30950    |

**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 versus the 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

**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) **SEE G-4**  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: \_\_\_\_\_  
 R-Value of insulation: \_\_\_\_\_  
 Openings (windows or doors with glazing)  
 U-Value of assembly: \_\_\_\_\_  
 Solar heat gain coefficient: \_\_\_\_\_  
 projection factor: \_\_\_\_\_  
 Door R-Values: \_\_\_\_\_

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

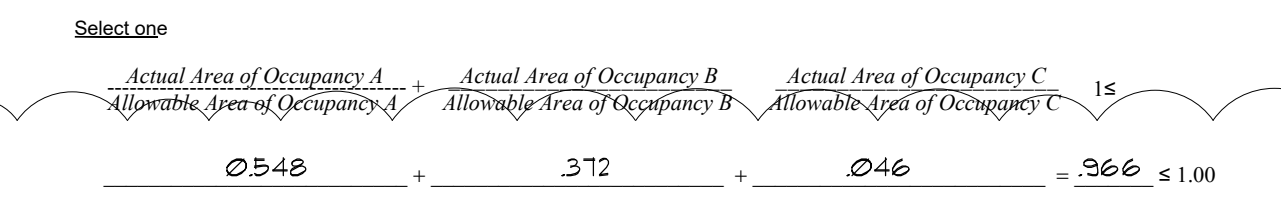
**Floors over unconditioned space (each assembly)**  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: \_\_\_\_\_  
 R-Value of insulation: \_\_\_\_\_

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

**ALLOWABLE AREA**

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

**Accessory Occupancy Classification(s):**  
 Incidental Uses (Table 509):  
 This separation is not exempt as a Non-separated Use (see exceptions).  
**Special Uses (Chapter 4 – List Code Sections):**  
**Special Provisions (Chapter 5 – List Code Sections):**  
**Mixed Occupancy:**  No  Yes Separation: 2 Hr. Exception: \_\_\_\_\_  
 Non-separated Use (508.3):  
 Separated Use (508.4)—See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.



| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.24 AREA | (C) AREA FOR FRONTAGE INCREASES, § | (D) ALLOWABLE AREA PER STORY OR UNLIMITED, § |
|-----------|---------------------|----------------------------------|-----------------------|------------------------------------|----------------------------------------------|
| 1         | BUSINESS NEW/EXIST  | 22086                            | 23000                 | 11250                              | 40250                                        |
| 1         | ASSEMBLY A-3        | 6200                             | 9500                  | 1125                               | 16625                                        |
| 1         | STORAGE S-1         | 1414                             | 17500                 | 13125                              | 30625                                        |

- Frontage area increases from Section 506.2 are computed thus:  
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = 1100 (F)  
 b. Total Building Perimeter = 1100 (P)  
 c. Ratio (F/P) = 1.0 (F/P)  
 d. W = Minimum width of public way = 30 (W)
- Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building × D (maximum 3 stories) (506.2).
- The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of all traffic control towers must comply with Table 412.3.1.
- Frontage increase is based on the un-sprinklered area value in Table 506.2.

**STRUCTURAL DESIGN**

**DESIGN LOADS:**  
 Importance Factors: Wind (IW) \_\_\_\_\_ SEE ALSO SK-1 & PEMB  
 Snow (IS) 20  
 Seismic (IE) \_\_\_\_\_

**Live Loads:** Roof 20 psf  
 Mezzanine 20 psf  
 Floor 50/100 psf

**Ground Snow Load:** \_\_\_\_\_ psf

**Wind Load:** Basic Wind Speed 145 mph (ASCE-7)  
 Exposure Category C

**SEISMIC DESIGN CATEGORY:**  A  B  C  D

Provide the following Seismic Design Parameters:  
 Occupancy Category (Table 1604.5)  I  II  III  IV  
 Spectral Response Acceleration SS \_\_\_\_\_ %g S1 \_\_\_\_\_ %g  
 Site Classification (ASCE 7)  A  B  C  D  E  F  
 Data Source:  Field Test  Presumptive  Historical Data

**Basic structural system (check one)**  
 Bearing Wall  Dual w/Special Moment Frame  
 Building Frame  Dual w/intermediate R/C or Special Steel  
 Moment Frame  Inverted Pendulum  
 Analysis Procedure:  Simplified  Equivalent Lateral Force  Dynamic  
 Architectural, Mechanical, Components anchored?  Yes  No

**LATERAL DESIGN CONTROL:**  Earthquake  Wind

**SOIL BEARING CAPACITIES:**  
 Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing capacity 2000 psf  
 File size, type, and capacity \_\_\_\_\_

**MECHANICAL DESIGN**

**MECHANICAL SUMMARY**

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**  
**Thermal Zone**  
 winter dry bulb: \_\_\_\_\_  
 summer dry bulb: \_\_\_\_\_

**Interior design conditions**  
 winter dry bulb: \_\_\_\_\_  
 summer dry bulb: \_\_\_\_\_  
 relative humidity: \_\_\_\_\_

**Building heating load:** \_\_\_\_\_

**Building cooling load:** \_\_\_\_\_

**Mechanical Spacing Conditioning System**  
 Unitary description of unit: \_\_\_\_\_  
 heating efficiency: \_\_\_\_\_  
 cooling efficiency: \_\_\_\_\_  
 size category of unit: \_\_\_\_\_  
 Boiler Size category, if oversized, state reason: \_\_\_\_\_  
 Chiller Size category, if oversized, state reason: \_\_\_\_\_

**List equipment efficiencies:** \_\_\_\_\_

**ELECTRICAL DESIGN**

**ELECTRICAL SUMMARY**

**ELECTRICAL SYSTEM AND EQUIPMENT**

**Method of Compliance:**  
 Energy Code:  Prescriptive  Performance  
 ASHRAE 90.1:  Prescriptive  Performance

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

**Additional Prescriptive Compliance**  
 506.2.1 More Efficient Mechanical Equipment  
 506.2.2 Reduced Lighting Power Density  
 506.2.3 Energy Recovery Ventilation Systems  
 506.2.4 Higher Efficiency Service Water Heating  
 506.2.5 On-Site Supply of Renewable Energy  
 506.2.6 Automatic Daylighting Control Systems

**SEE ELECTRICAL**

**PERCENTAGE OF WALL OPENING CALCULATIONS**

| FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
|-----------------------------------------------------|---------------------------------------------|--------------------|---------------------------|
| > 30                                                | UP, 5                                       | NO LIMIT           | ---                       |

**LIFE SAFETY SYSTEM REQUIREMENTS**

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

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet #: G-2

Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and real property line locations (if not on the site plan)  
 Exterior wall opening area with respect to distance to assumed property lines (705.8)  
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)  
 Occupant loads for each area  
 Exit access travel distances (1017)  
 Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]  
 Dead end lengths (1020.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation  
 Location of doors with panic hardware (1010.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 Location of doors with electromagnetic egress locks (1010.1.9.9)  
 Location of 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 PROVIDED | TYPE A UNITS PROVIDED | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
|-------------|---------------------------|-----------------------|-----------------------|---------------------------------|
| 0           | 0                         | 0                     | 0                     | 0                               |

**NOT APPLICABLE**

**ACCESSIBLE PARKING (SECTION 1108)**

| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES |          | # OF ACCESSIBLE SPACES PROVIDED |                   |                 | TOTAL # ACCESSIBLE UNITS PROVIDED |
|---------------------|---------------------------|----------|---------------------------------|-------------------|-----------------|-----------------------------------|
|                     | REQUIRED                  | PROVIDED | REGULAR WITH 5' ACCESS AISLE    | 132" ACCESS AISLE | 8' ACCESS AISLE |                                   |
|                     |                           |          | <b>EXISTING</b>                 |                   |                 |                                   |
| <b>TOTAL</b>        |                           |          |                                 |                   |                 |                                   |

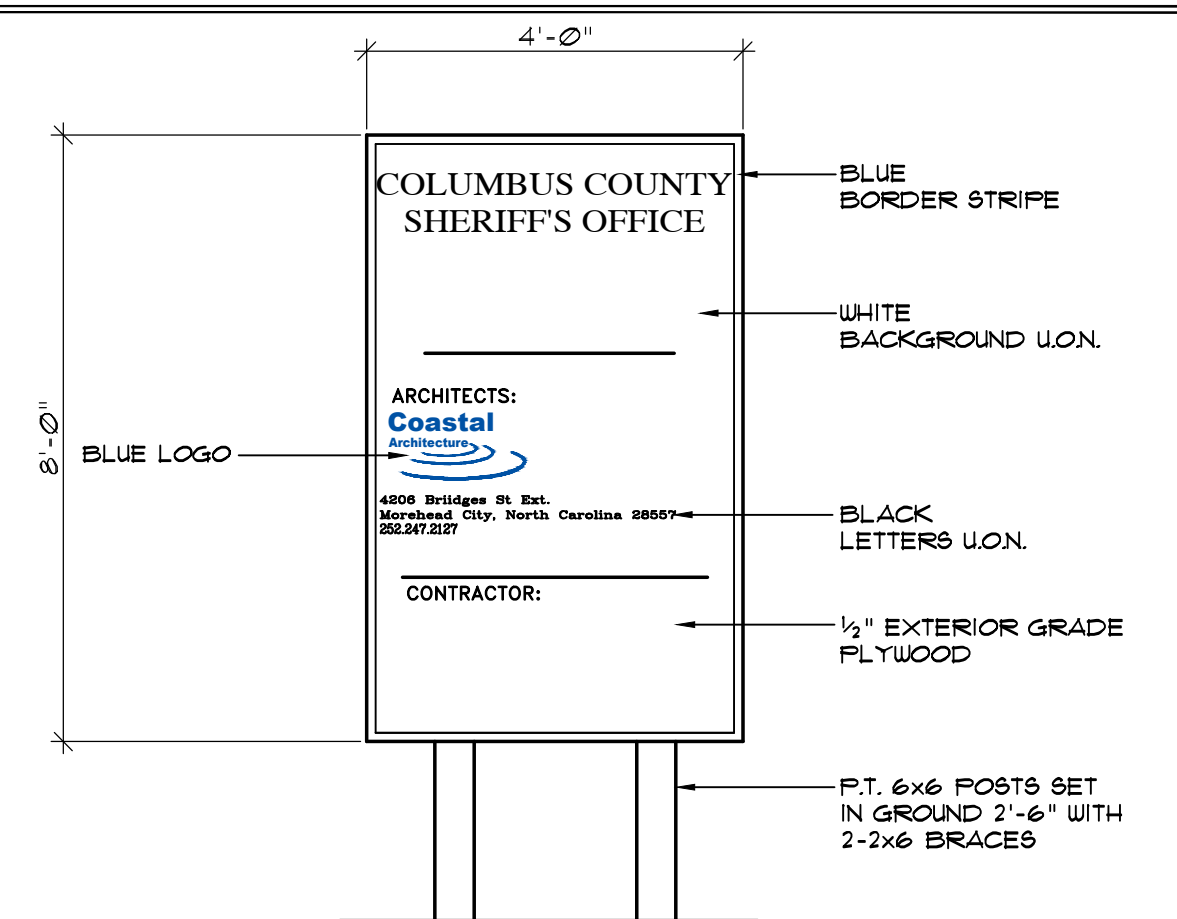
**PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)**

| USE                   | WATERCLOSETS |        |        | LAVATORIES |        |        | SHOWERS/TUBS | DRINKING FOUNTAINS |            |
|-----------------------|--------------|--------|--------|------------|--------|--------|--------------|--------------------|------------|
|                       | Male         | Female | Unisex | Male       | Female | Unisex |              | Regular            | Accessible |
| REQ'D                 | 8            | 8      | -      | 5          | 5      | -      | -            | 4                  | -          |
| PROVIDED              | 3            | 6      | -      | 2          | 4      | 4      | 4            | 1                  | 1          |
| EXISTING              | 2            | 3      | 3      | 2          | 2      | 3      | -            | 1                  | 1          |
| <b>TOTAL PROVIDED</b> | 5            | 9      | 3      | 4          | 6      | 7      | -            | 2                  | 2          |

**SPECIAL APPROVALS**

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

**NOT APPLICABLE**



**PROJECT SIGN**  
**NOT TO SCALE**

NOTE: SUBMIT SHOP DRAWING FOR COORDINATION OF LETTER HEIGHTS SPECIFIC SIGN COLORS.

NOTE: VERIFY SIGN SIZES AND REQUIREMENTS W/ TOWN

SIGN LOCATION TO BE FIELD VERIFIED W/ ARCHITECT

**Coastal Architecture**  
 Architectural Design  
 Planning  
 Interiors

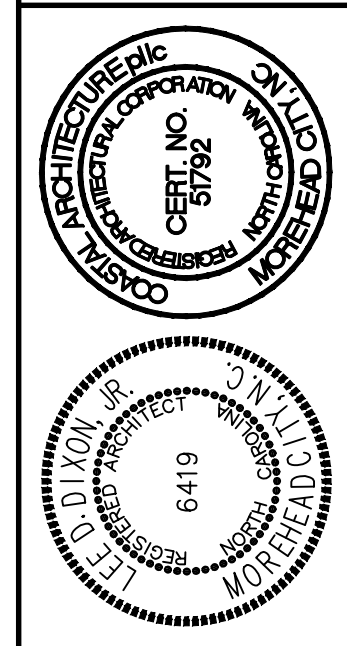
**AIA**  
 Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA  
 252-247-2127  
 lee@coastalarchitecture.net

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 Morehead City, NC 28557

www.CoastalArchitecture.net

COLUMBUS COUNTY  
 SHERIFF'S OFFICE  
 WHITEVILLE, NORTH CAROLINA



**GENERAL DATA**

**23029**

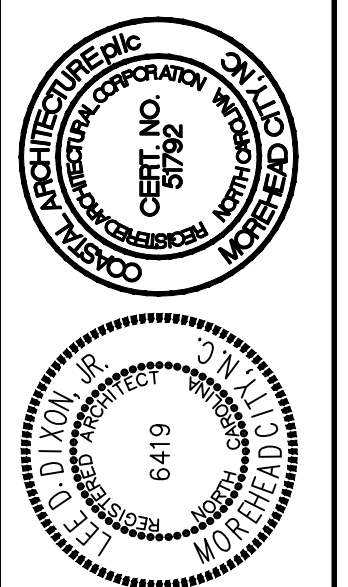
ISSUED: 12.12.2024  
 DWG BY: CRF  
 CKD BY: LDD

**REVISIONS**

|    |            |
|----|------------|
| 01 | 02/19/2025 |
|----|------------|

SHEET NO.  
**G-1**  
 OF





LIFE SAFETY PLAN

23029

ISSUED: 12.12.2024  
DWG BY: CRF  
CKD BY: LDD  
REVISIONS  
01 02/19/2025

SHEET NO.  
**G-2**  
OF

**WALL TYPE LEGEND**

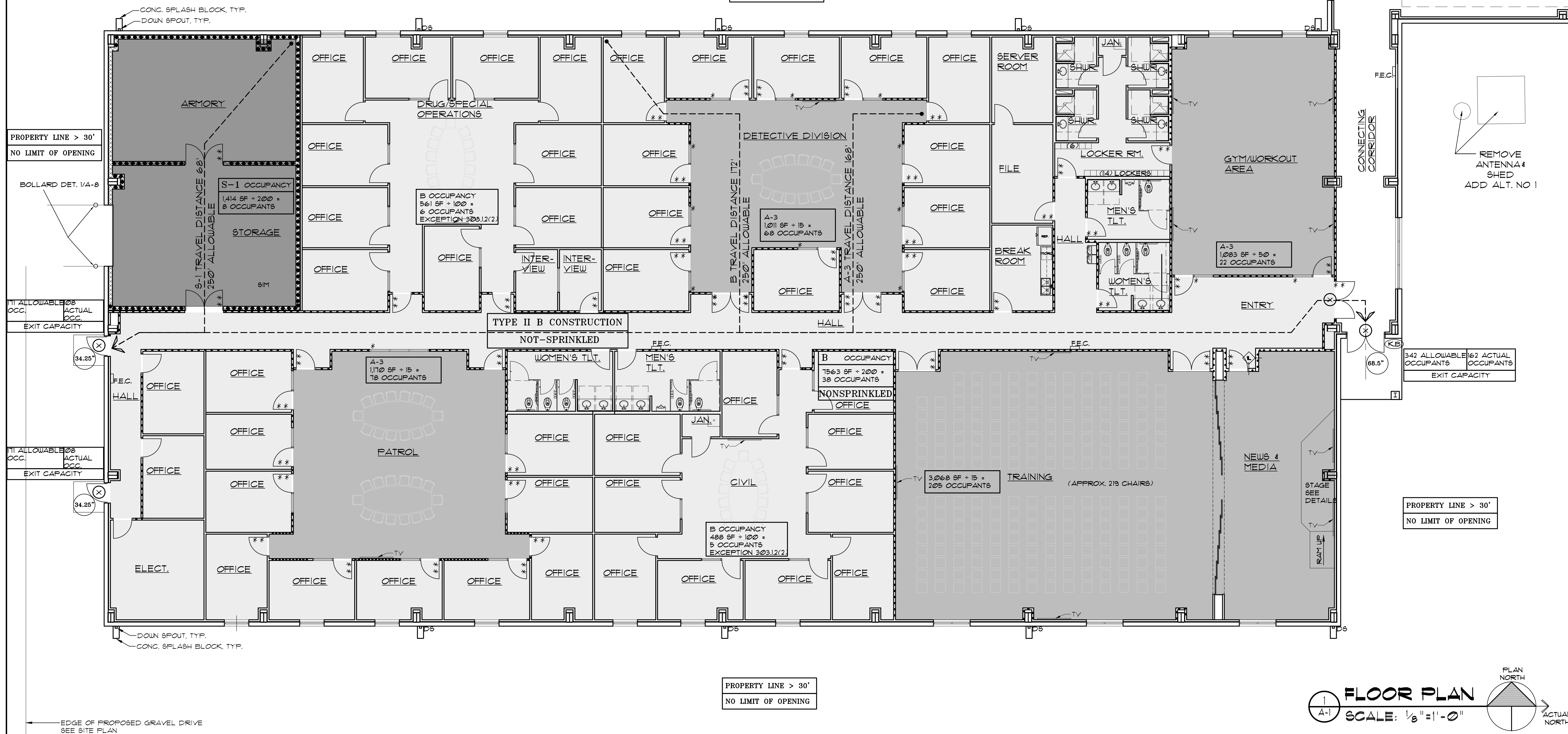
|                                                                                                                                                                              |                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b><br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" GUB EACH SIDE<br>FROM FLOOR TO 6" ABOVE CEILING (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION     | <b>K</b><br>2 HR RATED WALL (UL U419)<br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" GUB EACH SIDE<br>FROM FLOOR TO 6" ABOVE CEILING (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION |
| <b>B</b><br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION            | <b>H</b><br>(2 HR RATED)<br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 2X 5/8" GUB EACH SIDE<br>FROM FLOOR TO 6" ABOVE CEILING (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION           |
| <b>C</b><br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" SOUNDBREAK GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION | <b>U</b><br>(2 HR RATED)<br>3 5/8" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 2X 5/8" GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION                  |
| <b>D</b><br>6" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" GUB EACH SIDE<br>FROM FLOOR TO 6" ABOVE CLG. (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION            | <b>K</b><br>(2 HR RATED)<br>6" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 2X 5/8" SOUNDBREAK GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION           |
| <b>E</b><br>6" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 5/8" GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION                | <b>L</b><br>(2 HR RATED)<br>6" METAL STUDS<br># 16" O.C. INTERIOR<br>W/ 2X 5/8" GUB EACH SIDE<br>FROM FLOOR TO ROOF DECK (TYP.)<br>NON LOADBEARING WALL<br>WITH SOUND INSULATION                      |
| <b>F</b><br>8" CMU<br>NON LOADBEARING WALL<br>FROM FLOOR TO<br>ROOF DECK ABOVE (TYP.)                                                                                        |                                                                                                                                                                                                       |

**OCCUPANCY/LOAD TYPE KEYING:**

B = BUSINESS  
A-3 = ASSEMBLY  
S-1 = STORAGE

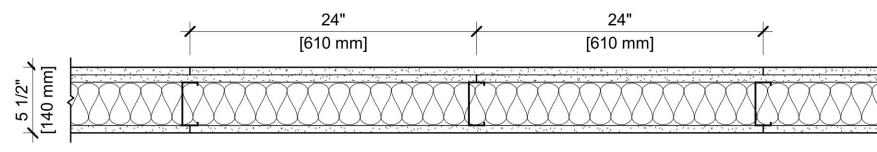
**LEGEND:**

FE ○ = FIRE EXTINGUISHER ON STANDARD HOOK  
F.E.C. = FIRE EXTINGUISHER AND CABINET LARSEN SEMI-RECESSED FS 2403-R3 BRUSHED CHROME W/ MP5 FIRE EXTINGUISHER  
2 HR RATED WALL (UL U419)  
2 HR RATED WALL (UL U306)  
\* 90 MINUTE RATED GLAZING AND FRAMES  
\*\* 90 MINUTE RATED DOOR AND FRAMES  
34.25' = CLEAR EXIT WIDTH  
68.5' = EXIT  
K.B. = KNOX BOX, FIRE DEPARTMENT KEY LOCK BOX CONFIRM LOCATION W/ FIRE DEPARTMENT  
P.H. = PANIC HARDWARE

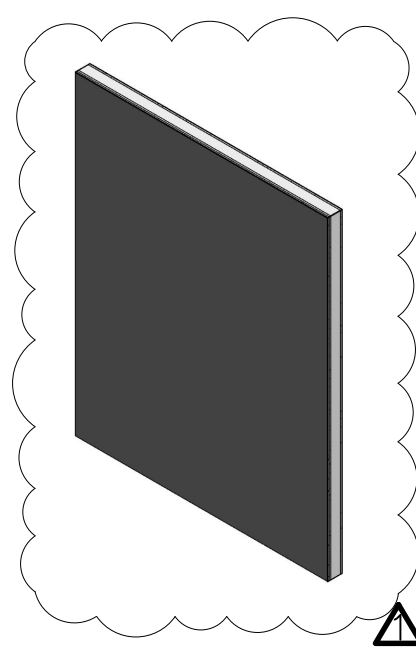


THESE DRAWING AND SPECIFICATIONS REPRESENT AN INSTRUMENT OF SERVICE AND AS SUCH SHALL REMAIN IN OWNERSHIP WITH THE ARCHITECT. USE OR REPRODUCTION BY ANY MEANS, IN WHOLE OR IN PART, WITHOUT THE ARCHITECT'S WRITTEN CONSENT, IS PROHIBITED.

DESIGN NO. UL U419  
 FIRE RATING: 1 HOUR  
 STC RATING: 85  
 SOUND TEST: USG-10707  
 SYSTEM THICKNESS: 5-1/2" (143 MM)  
 LOCATION: INTERIOR  
 FRAMING TYPE: STEEL STUD (NON-LOAD-BEARING)

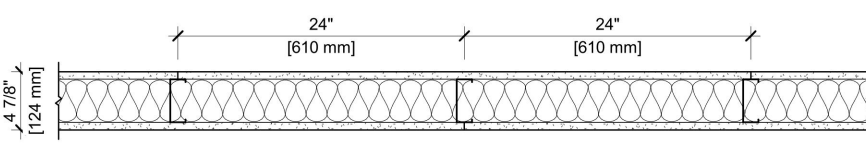


ASSEMBLY REQUIREMENTS:  
 GYPSUM PANELS: TWO LAYERS 5/8" (15.9 MM) SHEETROCK® ECOMART GYPSUM PANEL (UL TYPE ULX™)  
 STEEL STUDS: 3-40" (80 MM) STEEL STUDS, EG20 (Ø10"), 24" (Ø10 MM) D.C.  
 INSULATION: 3-1/2" (89 MM) FIBERGLASS INSULATION  
 GYPSUM PANELS: ONE LAYER 5/8" (15.9 MM) SHEETROCK® ECOMART GYPSUM PANEL (UL TYPE ULX™)

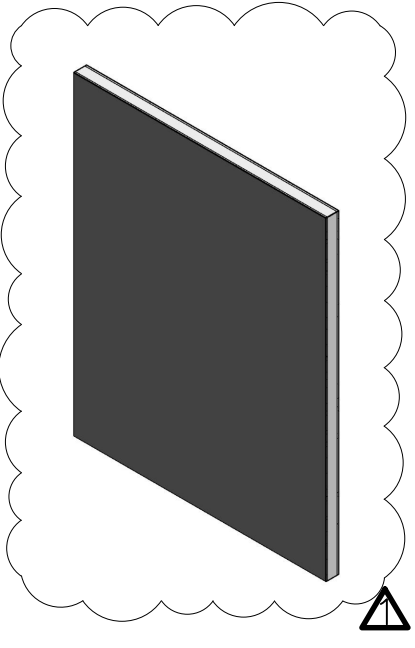


GENERAL WALL NOTES:  
 1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.  
 2. FOR THE MOST UP-TO-DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.  
 3. WHERE DESIGN NO. INDICATES "PRE", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLY.  
 4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.  
 5. STUD AND FASTENER SPACING ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.  
 6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.  
 7. FIRE RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.  
 8. FIRE RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.  
 9. WHERE ACCIDENTAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.  
 10. SOUND RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.

DESIGN NO. UL U419  
 FIRE RATING: 1 HOUR  
 STC RATING: 49  
 SOUND TEST: USG-10432  
 SYSTEM THICKNESS: 4-7/8" (124 MM)  
 LOCATION: INTERIOR  
 FRAMING TYPE: STEEL STUD (NON-LOAD-BEARING)



ASSEMBLY REQUIREMENTS:  
 GYPSUM PANELS: ONE LAYER 5/8" (15.9 MM) SHEETROCK® GYPSUM PANEL (UL TYPE SCX)  
 STEEL STUDS: 3-40" (80 MM) STEEL STUDS, EG20 (Ø10"), 24" (Ø10 MM) D.C.  
 INSULATION: 3-1/2" (89 MM) FIBERGLASS INSULATION  
 GYPSUM PANELS: ONE LAYER 5/8" (15.9 MM) SHEETROCK® GYPSUM PANEL (UL TYPE SCX)



GENERAL WALL NOTES:  
 1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.  
 2. FOR THE MOST UP-TO-DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.  
 3. WHERE DESIGN NO. INDICATES "PRE", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLY.  
 4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.  
 5. STUD AND FASTENER SPACING ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.  
 6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.  
 7. FIRE RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.  
 8. FIRE RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.  
 9. WHERE ACCIDENTAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.  
 10. SOUND RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.

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 100 West 14th Street  
 Chicago, Illinois 60604  
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UL U419

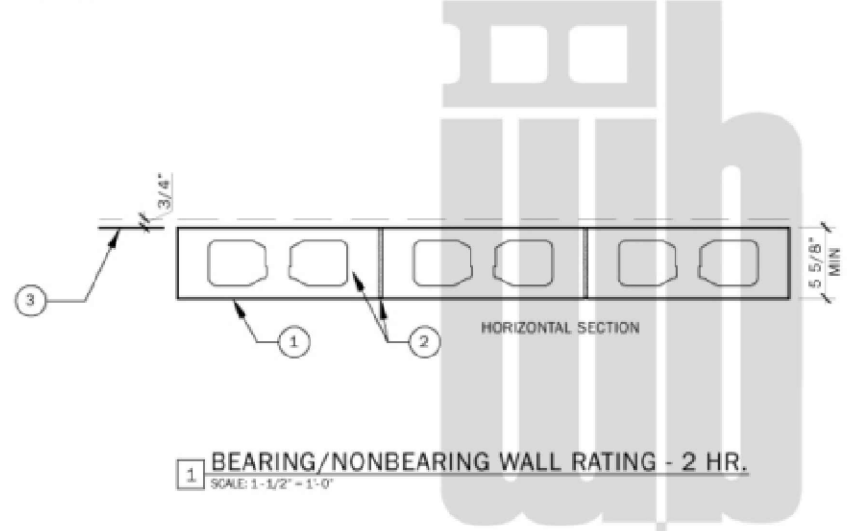
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 Revision Date  
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 SHEET INFORMATION:  
 SN-P-1-11

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UL U419

ISSUE RECORD:  
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 10/02/21 11:48:22 PM  
 SHEET INFORMATION:  
 SN-P-1-02

UL FIRE RATED  
 Design No. U906



BEARING/NONBEARING WALL RATING - 2 HR.  
 SCALE: 1/8" = 1'-0"

- CONCRETE BLOCKS\* - Nominal 8 by 8 by 16 in., hollow or solid.  
 Classification: D (2 in.).  
 Anchor Concrete Products, Inc.  
 Florida Rock Industries, Inc.  
 Pike Industries Inc., d/b/a Ticon Whitcomb.  
 Westbrock Concrete Block Co., Inc.
  - MORTAR - Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime by grams volume. Vertical joints staggered.
  - FORTLAND CEMENT STUCCO OR GYPSUM PLASTER - If used, not less than 1/2 in. to Classification. Attached to concrete blocks (Item 1).
  - FORMED PLASTIC\* - (Optional - not shown) 1/2 in. thick max., 4 ft wide sheathing attached to concrete blocks (Item 1).  
 Celorex Corp. - Type Thermax
- \*Bearing the UL Classification Marking

**Coastal Architecture**

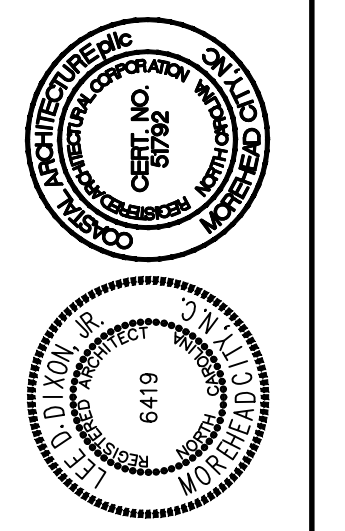
- Architectural Design
- Planning
- Interiors

**AIA**  
 Member of the American Institute of Architects

Lee D. Dixon, Jr., AIA  
 252-247-2127  
 lee@coastalarchitecture.net

4206 Bridges St. Ext., Suite C  
 Morehead City, NC 28557  
 www.CoastalArchitecture.net

COLUMBUS COUNTY  
 SHERIFF'S OFFICE  
 WHITEVILLE, NORTH CAROLINA



U.L. DETAILS

**23029**

ISSUED: 12.12.2024  
 DWG BY: CRF  
 CKD BY: LDD

REVISIONS

|    |            |
|----|------------|
| 01 | 02/19/2025 |
|----|------------|

SHEET NO.  
**G-3**  
 OF









**Existing Impervious Area Removed**

|                     |       |
|---------------------|-------|
| Removed Building #1 | 1011  |
| Removed Building #2 | 860   |
| Removed Building #3 | 988   |
| Removed Building #4 | 1059  |
| Removed Building #5 | 982   |
| Removed Building #6 | 941   |
| Removed Building #7 | 1080  |
| Removed Building #8 | 15702 |

**Total Impervious Removed (SF) = 22623**

**Proposed Impervious Area Breakdown**

|                                |       |
|--------------------------------|-------|
| Existing Building #1           | 12883 |
| Existing Building #2           | 1318  |
| Existing Sidewalk and Covering | 3198  |
| Existing Building #3           | 11203 |
| Proposed Building and Covering | 20742 |
| Proposed Sidewalk              | 1304  |
| Proposed Parking Area          | 3090  |

**Total Impervious (SF) = 53738**

**Existing Impervious Area Before Demo**

|                                |       |
|--------------------------------|-------|
| Existing Building #1           | 12883 |
| Existing Building #2           | 1318  |
| Existing Sidewalk and Covering | 3198  |
| Existing Building #3           | 11203 |
| Removed Buildings              | 22623 |

**Total Impervious (SF) = 51225**

**TOTAL ADDITIONAL IMPERVIOUS (SF)**

**2513**

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PROJECT MANAGER: JJW  
 DESIGNED: JJW  
 DRAWN BY: JST  
 CHECKED: JJW  
 SCALE: 1" = 30'  
 DATE: 01/27/2025



1004 Arendell Street  
 Morehead City, NC 28557  
 (252) 622-4338  
 Fax: (252) 622-4505

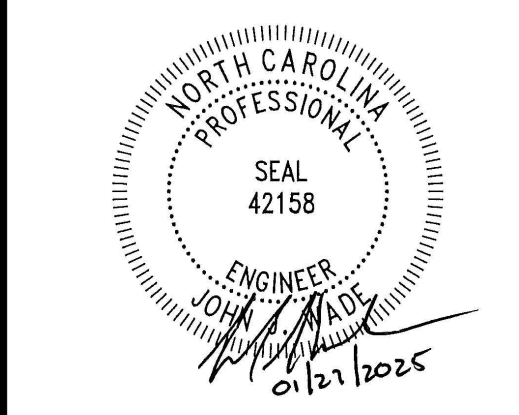
www.arendellengineers.com  
 North Carolina Certification No. C-1509  
 OWNER:

COLUMBUS COUNTY

PROJECT: SHERIFF'S OFFICE  
 817 WASHINGTON STREET  
 WHITEVILLE, NORTH CAROLINA 28472

COLUMBUS COUNTY, NC

DRAWING: PROPOSED IMPERVIOUS BREAKDOWN PLAN



| NO. | REVISION | DATE |
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SHEET NO: C1  
 OF: 1  
 JOB NO: 24265

