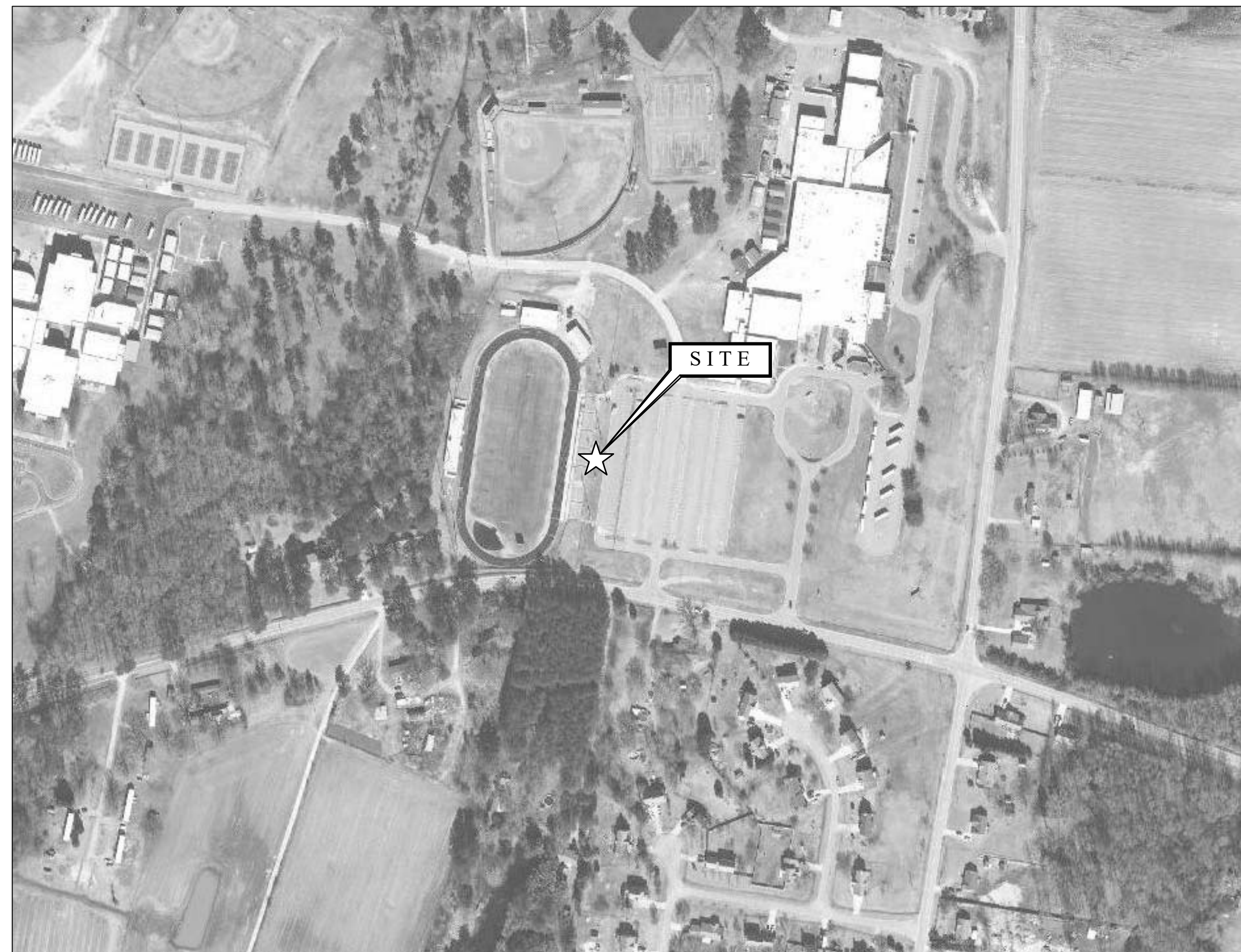
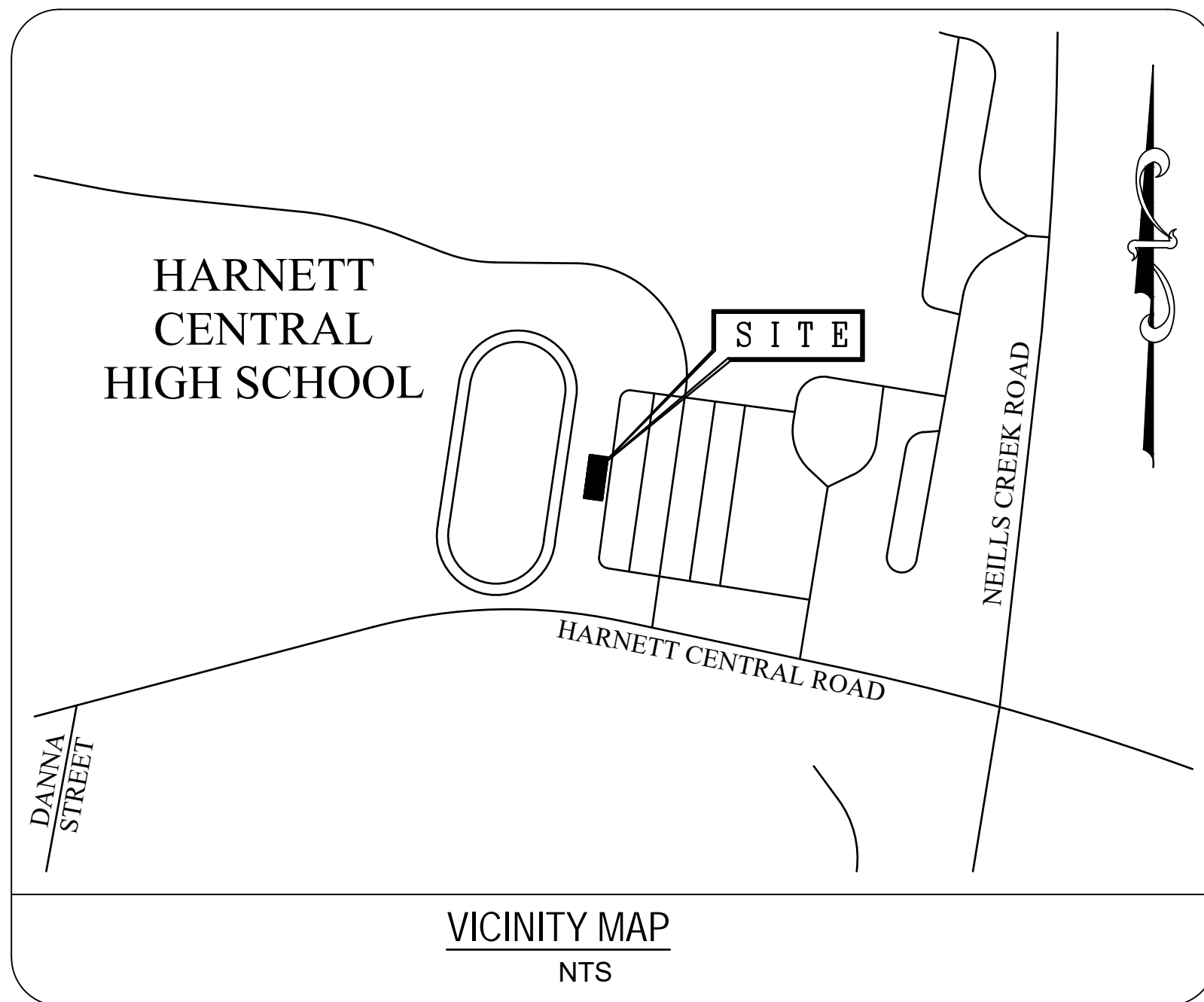
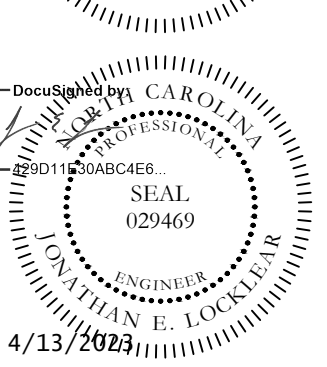
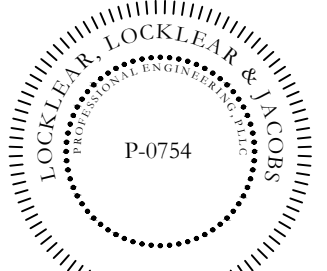


# HARNETT CENTRAL PRESS BOX

## 2911 HARNETT CENTRAL RD, ANGIER, NC 27501



P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910) 774-9306  
FAX: (866) 649-7235



DRAWING INDEX			
SHEET #	SHEET TITLE	REVISION NUMBER	REVISION DATE
G-001	COVER SHEET	--	--
G-002	APPENDIX B	1	4/13/2023
G-003	GENERAL NOTES AND ABBREVIATIONS	--	--
G-101	FLOOR PLANS	--	--
G-111	OVERALL ROOF PLAN	--	--
G-201	EXTERIOR ELEVATIONS	1	4/13/2023
G-301	BUILDING SECTIONS AND DETAILS	1	4/13/2023
G-401	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS	--	--
G-501	CASEWORK DETAILS	--	--
G-502	GENERAL DETAILS	1	4/13/2023
G-503	GENERAL DETAILS	--	--
G-601	ROOM FINISH SCHEDULE	--	--
S-001	STRUCTURAL NOTES AND ABBREVIATIONS	--	--
S-101	FOUNDATION PLAN	--	--
S-102	FRAMING PLAN	1	4/13/2023
S-501	STRUCTURAL DETAILS	--	--
S-502	STRUCTURAL DETAILS	1	4/13/2023
P-001	PLUMBING NOTES AND SCHEDULES	--	--
P-101	PLUMBING PLAN	--	--
P-301	PLUMBING DETAILS	--	--
M-001	MECHANICAL NOTES LEGEND AND ABBREVS	1	4/13/2023
M-101	MECHANICAL PLAN	1	4/13/2023
M-102	MECHANICAL CONDENSATE PLAN	--	--
M-301	MECHANICAL DETAILS	--	--
E-001	ELECTRICAL NOTES LEGENDS AND ABBREVS	--	--
E-101	ELECTRICAL POWER PLAN	--	--
E-201	ELECTRICAL LIGHTING PLAN	1	4/13/2023
E-301	ELECTRICAL DETAILS	1	4/13/2023

**CLIENT**  
 HARNETT COUNTY SCHOOL  
 1008 S 11th ST,  
 LILLINGTON, NC 27546  
 (910) 893-8151  
 CONTACT: STEVE MATHEWS



PREPARED BY:  
**LOCKLEAR, LOCKLEAR & JACOBS**  
 CIVIL | STRUCTURAL | MEP | ENVIRONMENTAL ENGINEERS  
 114 WEST 3RD. STREET - PEMBROKE, NORTH CAROLINA 28372  
 (910) 774-9306 WWW.LLANDJ.COM  
 License No. P-0754

**OWNER & BUILDER'S NOTES:**

- PLANS SHALL NOT BE USED FOR CONSTRUCTION UNTIL STAMPED AND SIGNED BY AN ENGINEER AND APPROVED BY THE LOCAL INSPECTION DEPARTMENT. THE CONTRACTOR IS EXPECTED TO FOLLOW THESE PLANS, APPLICABLE BUILDING CODES AND LOCAL ORDINANCES. CONTRACTOR SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH PLANS BEFORE STARTING WORK. WHILE PLANS ARE DRAWN TO SHOW THE PROPOSED WORK AS ACCURATELY AS POSSIBLE, SCHEMATIC DETAILS MAY BE USED IN SOME CASES FOR CLARITY. WORK NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED TO THE SAME QUALITY AS SIMILAR DETAILED WORK.
- WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES. THE ENGINEER SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN, IF DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A QUESTION ARISES OVER THE INTENT OF THE PLANS / NOTES.
- LL&J ASSUMES NO RESPONSIBILITY FOR SCHEDULING, FABRICATION, CONSTRUCTION TECHNIQUES OR MATERIALS, OR QUANTITIES USED IN THE WORK. LL&J ASSUMES NO RESPONSIBILITY FOR FIELD CHANGES, SITE VARIANCES OR DISCREPANCIES NOT BROUGHT TO ENGINEER'S ATTENTION FOR CLARIFICATION.

HARNETT CENTRAL PRESS BOX  
 HARNETT COUNTY SCHOOLS  
 2911 HARNETT CENTRAL RD, ANGIER, NC 27501

DATE: 1/10/2023  
 DRAWN BY: RDH  
 CHECKED BY: JEL  
 SHEET TITLE  
**COVER SHEET**  
 SHEET NUMBER  
**G-001**  
 PROJECT# 21-11110

2018 APPENDIX B - BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: HARNETT CENTRAL PRESS BOX
Address: 2911 HARNETT CENTRAL RD ANGLIER, NC
Proposed Use: PRESS BOX
Owner/Authorized Agent: STEVE MATHEWS
City/County: HARNETT

LEAD DESIGN PROFESSIONAL: LOCKLEAR, LOCKLEAR & JACOBS, PLLC
DESIGNER: FIRM, NAME, LICENSE #, TELEPHONE #, E-Mail
Building: LL&J, PLLC, Robby Locklear, P.E., NC 028880, (910) 774-9306, robbylocklear@llandj.com

2018 EDITION OF NC CODE FOR: New Construction
EXISTING: Reconstruction, Alteration, Repair, Renovation
CONSTRUCTED: (Date), ORIGINAL USE(S): (Chapter 3)
RENOVATED: (Date), CURRENT USE(S): (Chapter 3), PROPOSED USE(S): (Chapter 3)

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
Standpipes: No, Yes
Fire District: No, Yes
Building Height: 19'-4"
Gross Building Area: 546 sq. ft.
TOTAL BUILDING AREA: 546 sq. ft.
TOTAL FIRE AREA: 0 sq. ft.

ALLOWABLE AREA
Occupancy: Assembly A-1, A-2, A-3, A-4, A-5, Business, Educational
Factory F-1 Moderate, F-2 Low
Hazardous H-1 Detonate, H-2 Deflagrate, H-3 Combust, H-4 Health, H-5 HPM
Institutional I-1, I-2, I-3, I-4, Mercantile
I-3 Use Condition 1, 2, 3, 4, 5
Storage S-1 Moderate, S-2 Low, High-piled, Utility and Miscellaneous

Incidental Uses (Table 509):
Furnace room where any piece of equipment is over 400,000 BTU per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
Hydrogen cutoff rooms, not classified as Group H
Incinerator rooms
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
Group I-3 cells equipped with a padded surfaces
Group I-2 waste and linen collection rooms
Waste and linen collection rooms over 100 square feet
Stationary storage of battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: 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
Special Provisions: 509.2, 509.3, 509.4, 509.5, 509.6, 509.7, 509.8, 509.9
Mixed Occupancy: No, Yes
Separation: 0 Hr. Exception: SEE BELOW
Incidental Use Separation (509.4)
This separation is not exempt as Non-Separated Use (see exceptions)
Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and the area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the building.

Mixed Occupancy: cont.
Separated Use: (508.4) - See below for 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.
Actual Area: A + B + C + D = 0.00 <= 1.00
Allowable Area: A B C D

Separated Use Calculations
Actual Area: A + B + C + D = 0.00 <= 1.00
Allowable Area: A B C D

- 1. Frontage area increases from Section 506.3 area computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (F)
c. Ratio (F/P) = (F/P)
d. W = Minimum Width of public way = (W)
e. Percent of frontage increase I\_s = 100(F/P-0.25)W/30 = (%)
2. The sprinkler increase per Section 506.2 is as follows:
a. Multi-story building I\_s = 200%
b. Single story building I\_s = 300%
3. Unlimited area applicable under conditions of Section 507:
4. Maximum Building Area = total number of stories in the building x E (506.2).
5. The maximum area of parking garages must comply with 406.3.4.

ALLOWABLE HEIGHT
Construction Type: V-B
Bldg. Height in Feet: 40
Bldg. Height in Stories: UL

FIRE PROTECTION REQUIREMENTS
BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING, DETAIL # AND SHEET #, DESIGN # FOR RATED ASSEMBLY, DESIGN # FOR RATED PEN., DESIGN # FOR RATED JOINTS
Structural Frames, including columns, girders, trusses: N/A, 0
Bearing Walls: None, 0
Exterior: South, None, 0; East, None, 0; West, None, 0; South, None, 0
Interior: None, 0
Nonbearing walls and partitions: Exterior: South, None, 0; East, None, 0; West, None, 0; South, None, 0
Interior Walls & Partitions: None, 0
Floor construction: None, 0
Roof construction: None, 0
Shafts - Exit: None, 0
Shafts - Other: None, 0
Corridor Separation: None, 0
Occupancy Separation: None, 0
Party/Fire Wall Sep.: None, 0
Smoke Barrier Sep.: None, 0
Tenant Separation: None, 0
Incidental Use Separation: None, 0

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

SITE PLAN NOTE
NEITHER A SURVEY OR SITE PLAN WAS PROVIDED BY THE OWNER AT TIME OF COMPLETION OF THESE PLANS. OWNER MUST VERIFY INFORMATION ON THIS SHEET IS CORRECT. LL&J, PLLC HAS DONE IT BEST TO VERIFY AND COMPLETE THIS SHEET IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODES WITHOUT THE USE OF SAID INFORMATION.

LIFE SAFETY PLAN REQUIREMENTS
LIFE SAFETY PLAN SHEET #:
FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
ASSUMED AND REAL PROPERTY LINE LOCATIONS
EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
EXISTING STRUCTURES WITHIN 30' OF THE PROPOSED BUILDING
OCCUPANCY TYPES FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.1)
OCCUPANT LOADS FOR EACH AREA
EXIT ACCESS TRAVEL DISTANCES (1016)
COMMON PATH OF TRAVEL DISTANCE (1014.3 & 1028.8)
DEAD END LENGTHS (1018.4)
CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT CAN ACCOMMODATE
BASED ON EGRESS WIDTH (1005.1)
ACTUAL OCCUPANT LOAD FOR EACH 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 (1008.1.10)
LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1008.1.9.7)
LOCATION OF DOORS WITH WITH ELECTROMAGNETIC EGRESS LOCKS (1008.1.9.8)
LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
LOCATION OF EMERGENCY ESCAPE WINDOWS (1029)
THE SQUARE FOOTAGE OF EACH FIRE AREA (902)
THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.4)
NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ABOVE ITEMS

ACCESSIBLE DWELLING UNITS (Section 1107)
TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106)
LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED, REGULAR WITH 5' ACCESS AISLE, VAN SPACES, TOTAL # ACCESSIBLE PROVIDED

STRUCTURAL DESIGN
DESIGN LOADS:
Importance Factors: Live Loads: Roof: 20 psf, Mezzanine: 100 psf, Floor: 100 psf
Snow (s): 1.0
Seismic (te): 1.0
Wind Load: Basic Wind Speed: 120 mph (ASCE-7), Exposure Category: B, Wind Base Shears (for MWFRS): V\_x = 3,500 lbs, V\_y = 7,700 lbs

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): I, II, III, IV
Spectral Response Acceleration S\_s = 13.0 %g, S\_1 = 6.4 %g
Site Classification (Table 1613.5.2): 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
Seismic base shear: V\_x = 1,800 lbs, V\_y = 2,900 lbs
Analysis Procedure: Simplified, Equivalent Lateral Force, Dynamic
Architectural, Mechanical, Components anchored? No, Yes

LATERAL DESIGN CONTROL: Earthquake, Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report)
Presumptive Bearing Capacity: 2000 psf
Pile size, type, and capacity

SPECIAL INSPECTIONS REQUIRED: No, Yes: See below
Fabricators (1704.2)
Steel Construction (1704.3)
Construction (1704.4)
Masonry Construction (1704.5)
Wood Construction (1704.6)
Verification of Soils (1704.7)
Driven Deep Foundations (1704.8)
Cast-in Place Deep Foundations (1704.9)
Helical Pile Foundations (1704.10)
Vertical Masonry Foundation Elements (1704.11)
Sprayed Fire-resistant Materials (1704.12)
Mastic and Intumescent Fire-resistant Coatings (1704.13)
Exterior Insulation and Finish Systems - EIFS (1704.14)
Special Cases (1704.15)
Smoke Control (1704.16)
Wind Requirements (1706)
Seismic Resistance (1707)

PLUMBING FIXTURE REQUIREMENTS
USE, WATERCLOSETS, URINALS, LAVATORIES, SHOWERS / TUBS, DRINKING FOUNTAINS
REQUIRED: 0, 0, 0, 0, 0
PROVIDED: 1, 1, 0, 1, 0
EXISTING: 0, 0, 0, 0, 0

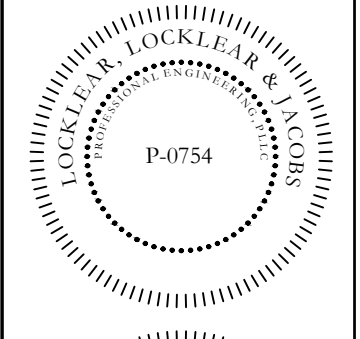
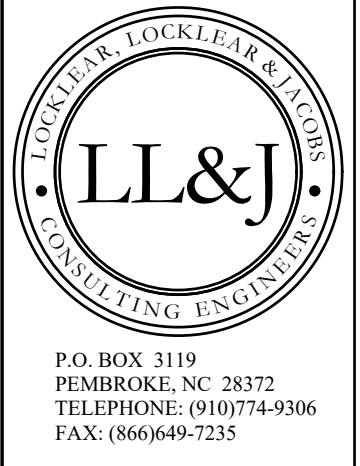
SPECIAL APPROVALS
(Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC ETC, DESCRIBE BELOW)

ENERGY REQUIREMENTS
ENERGY SUMMARY
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.

Climate Zone: 4
Method of Compliance: Prescriptive (Energy Code), Performance (Energy Code)
Roof/ceiling Assembly (each assembly): FILLED CAVITY FIBERGLASS INSULATION
Description of assembly: U-Value of total assembly: 0.033, R-Value of insulation: R-42
Skylights in each assembly: U-Value of skylight:
total square footage of skylights in each assembly:
Exterior Walls (each assembly): WOOD FRAMED WALL FIBERGLASS BLANKET
Description of assembly: U-Value of total assembly: R-21, R-Value of insulation:
Openings (windows or doors with glazing): U-Value of assembly: SHGC coefficient: 0.25 MAX, projection factor: low e required, if applicable: Door R-Values: 1.45, 1.3 FOR ENTRANCE DOOR
Walls below grade (each assembly): NA
Description of assembly: U-Value of total assembly: R-Value of insulation:
Floors over unconditioned space (each assembly): NA
Description of assembly: U-Value of total assembly: R-Value of insulation:
Floors slab on grade: SLAB ON GRADE
Description of assembly: U-Value of total assembly: R-Value of insulation: NOT REQUIRED
Horizontal/Vertical requirement: Slab heated: NO

MECHANICAL SUMMARY
MECH. SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone: winter dry bulb: 27° F, summer dry bulb: 95° F
Interior design conditions: winter dry bulb: 70° F, summer dry bulb: 75° F, relative humidity: 50%
Building heating load: 15,000 BTU/HR
Building cooling load: 2.6 TON
Mechanical Spacing Conditioning System: Unitary
description of unit: HEATPUMP
heating efficiency: SEE EQUIPMENT SCHEDULES
cooling efficiency: SEE EQUIPMENT SCHEDULES
size category of unit: N/A
Boiler: size category, if oversized, state reason: N/A
Chiller: size category, if oversized, state reason: N/A
List equipment efficiencies:

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: LED
Number of lamps in fixture: LED
Ballast type used in the fixture: N/A
Number of ballasts in fixture: N/A
Total wattage per fixture: SEE LIGHTING SCHEDULE
Total interior wattage specified vs allowed: 366 VS 537
(whole building or space by space)
Total exterior wattage specified vs allowed: N/A
Additional Prescriptive Compliance:
506.2.1 More Efficient Mechanical Equipment
506.2.2 Reduced Lighting Power Density
506.2.3 Energy Recovery Ventilation System
506.2.4 Higher Efficiency Service Water Heating
506.2.5 On-Site Supply of Renewable Energy
506.2.6 Automatic Daylighting Control Systems



4/13/2023

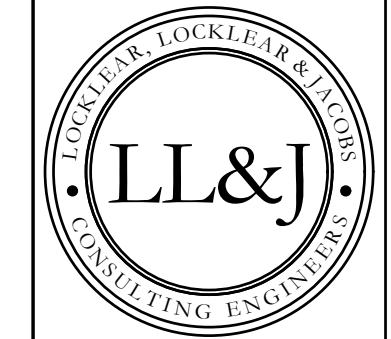
HARNETT CENTRAL PRESS BOX
HARNETT COUNTY SCHOOLS
2911 HARNETT CENTRAL RD
ANGLIER, NC 27501

REVISIONS table with columns for REV, DATE, DESCRIPTION, and a grid for tracking updates.

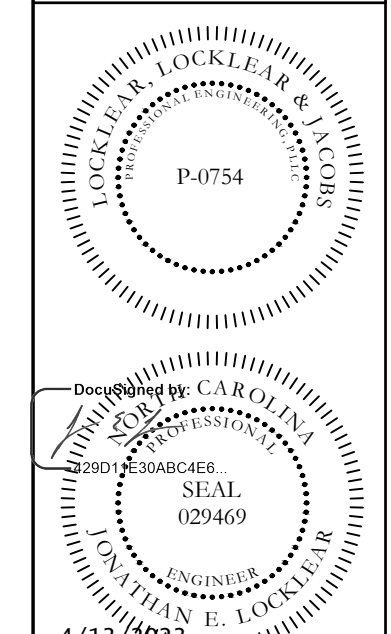
DATE: 1/10/2023
DRAWN BY: RDH
CHECKED BY: JEL

APPENDIX B
SHEET NUMBER
G-002
PROJECT# 21-11110

Printed: Thu 13-Apr-2023 - 01:18PM



P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910)774-9306  
FAX: (866)649-7235



**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

PROJECT INFORMATION:

REV#	DATE	DESCRIPTION
1	4/12/2023	ROOF THICKNESS CHANGED AND ELEVATIONS UPDATED.
2		
3		
4		
5		

DATE: 1/10/2023  
DRAWN BY: RDH  
CHECKED BY: JEL

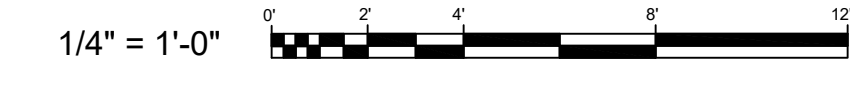
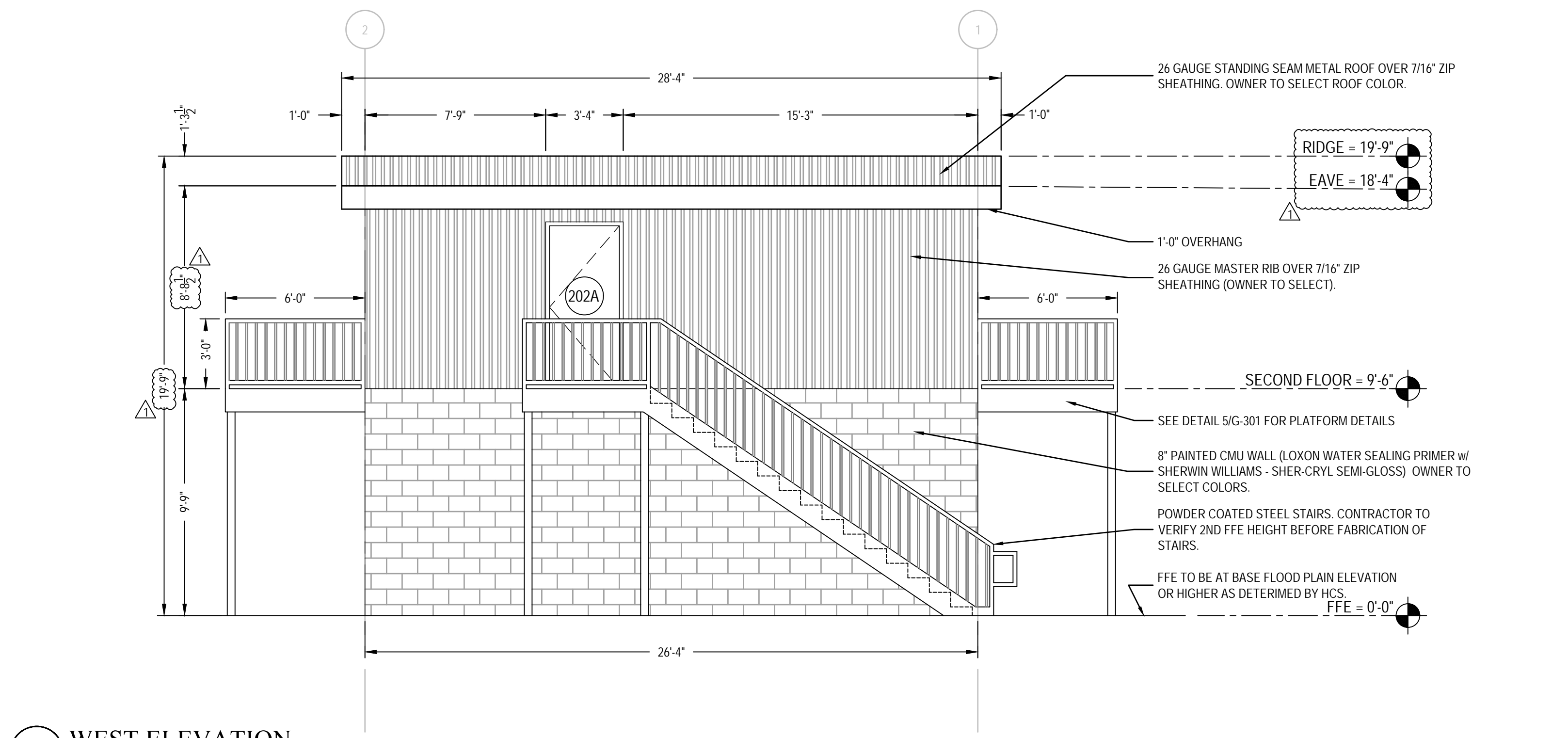
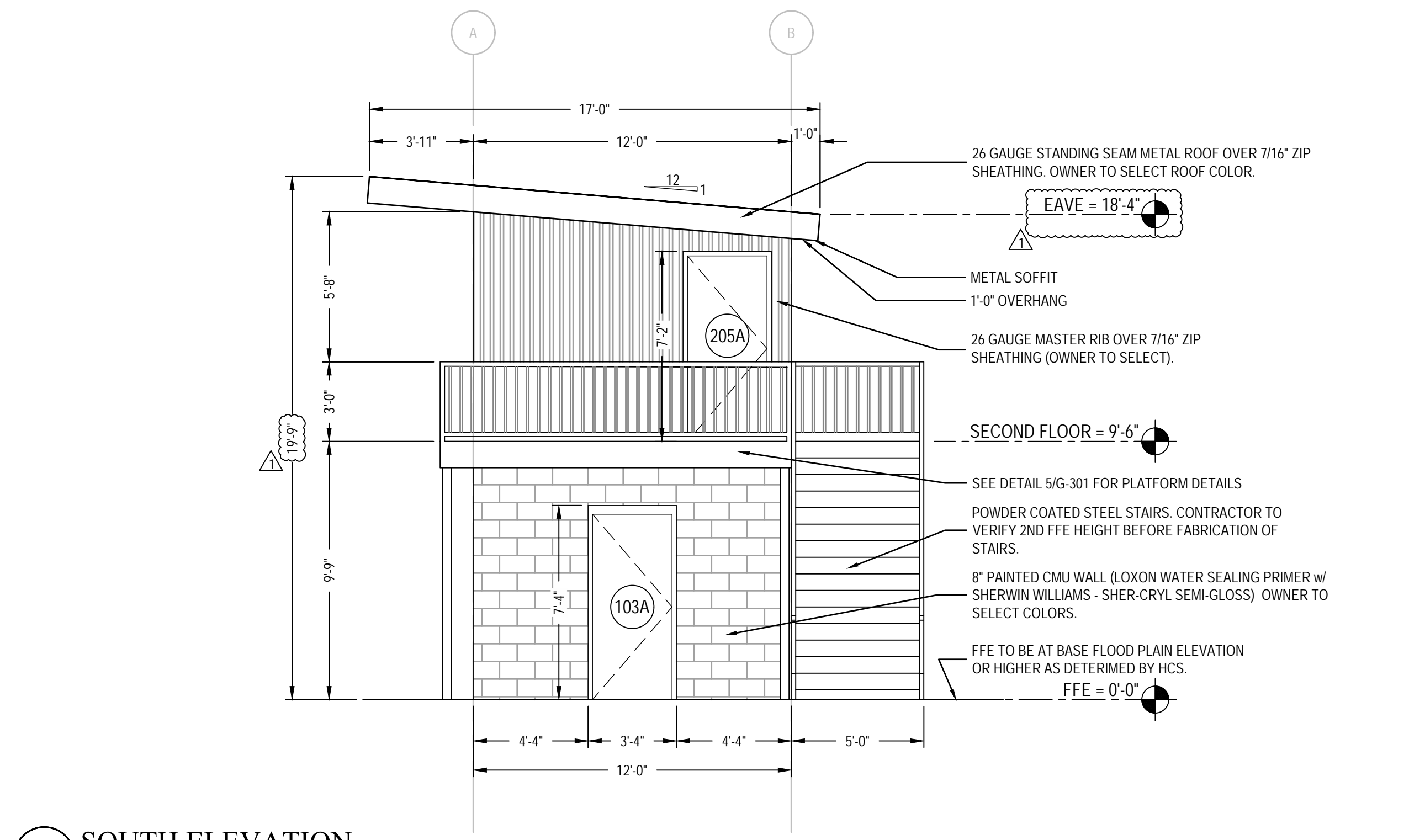
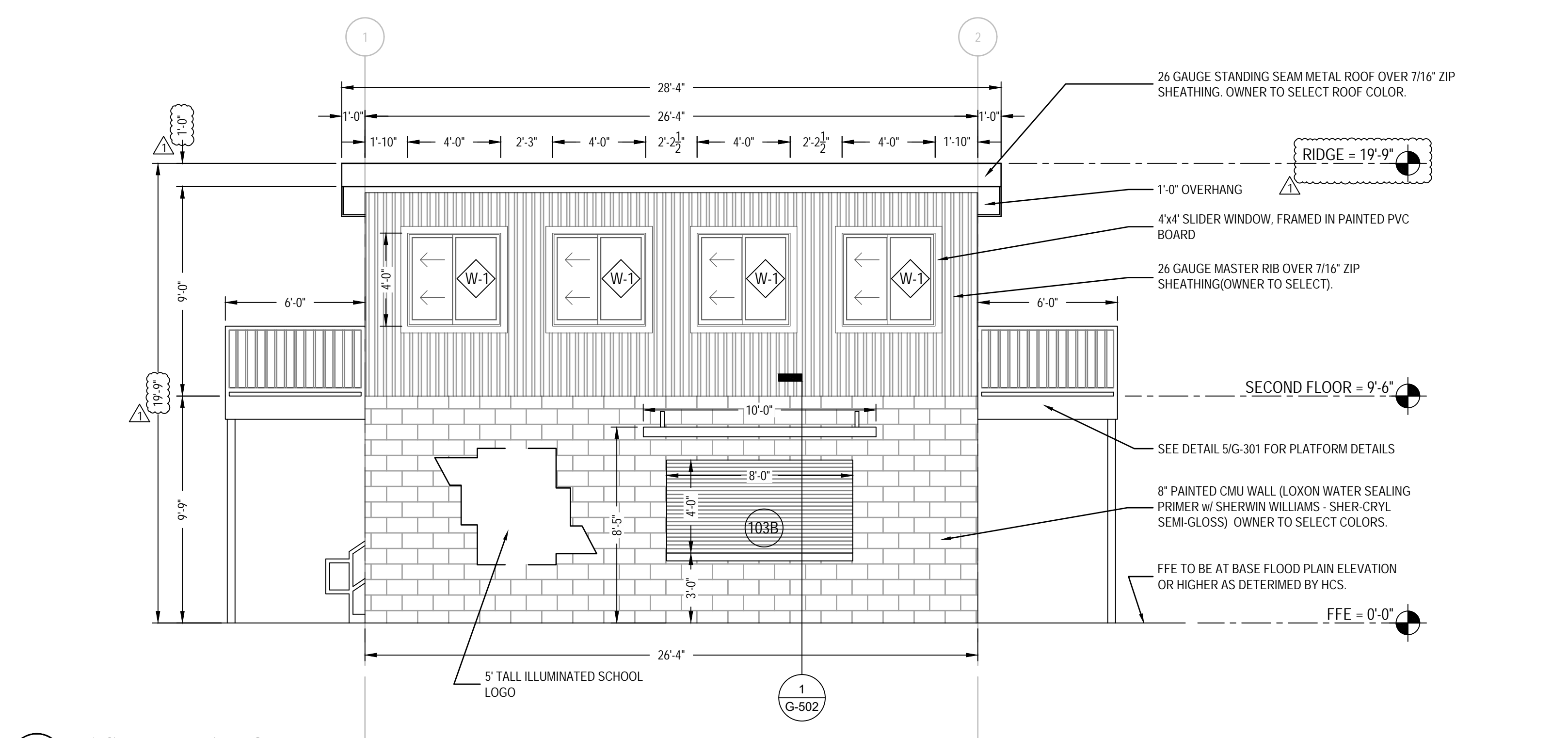
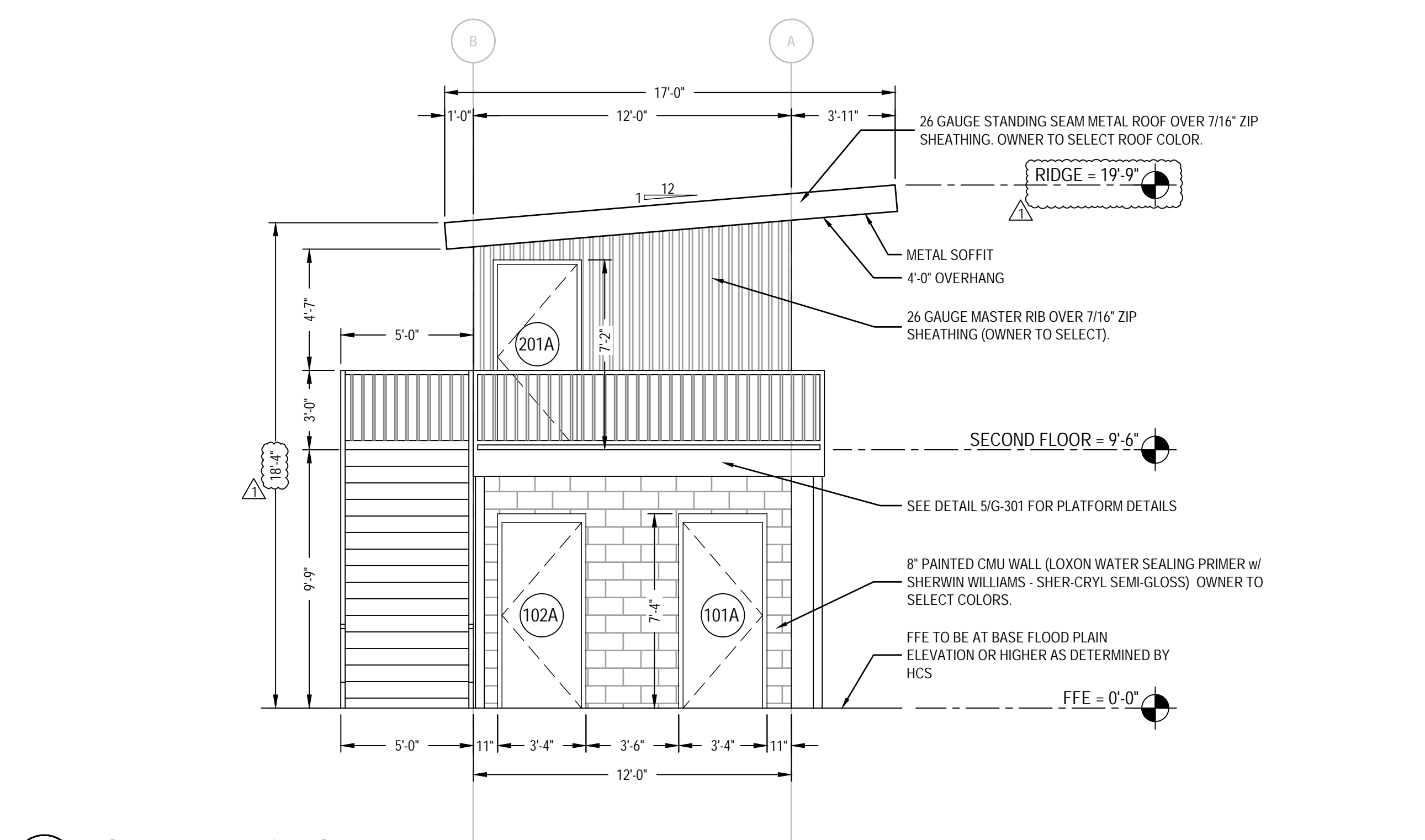
SHEET TITLE

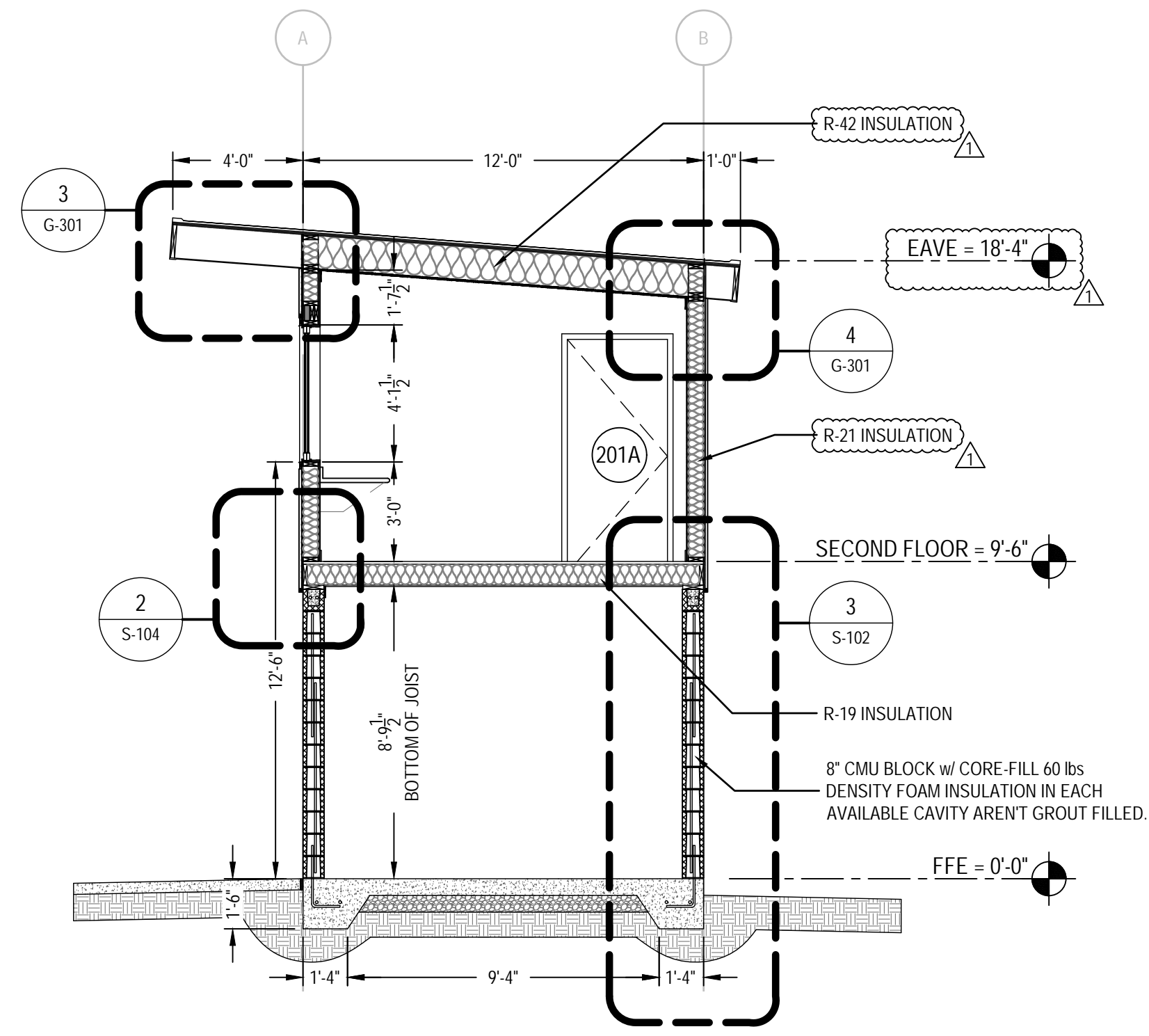
**EXTERIOR ELEVATIONS**

SHEET NUMBER

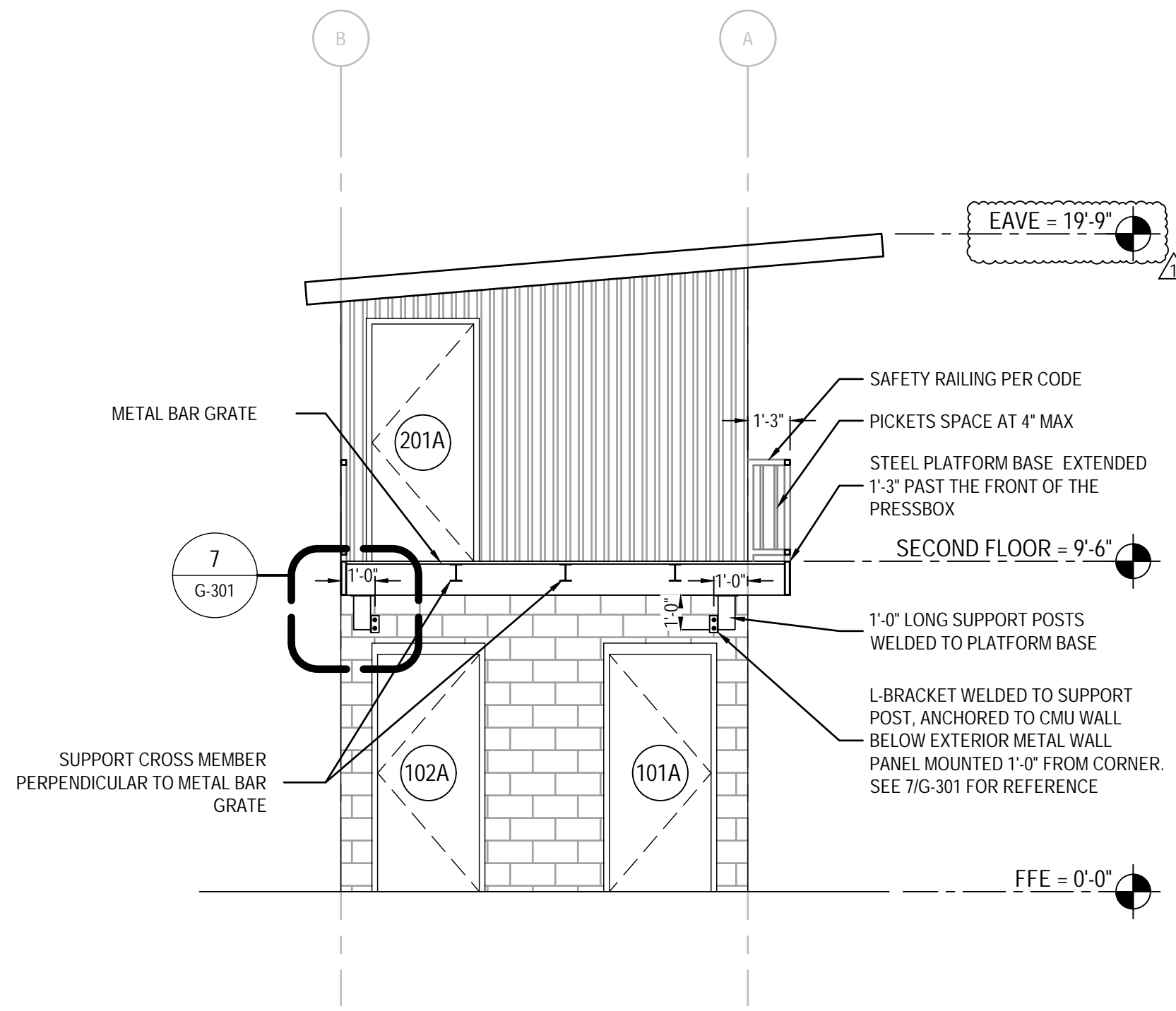
**G-201**  
PROJECT# 21-11110

FINAL RELEASED FOR CONSTRUCTION



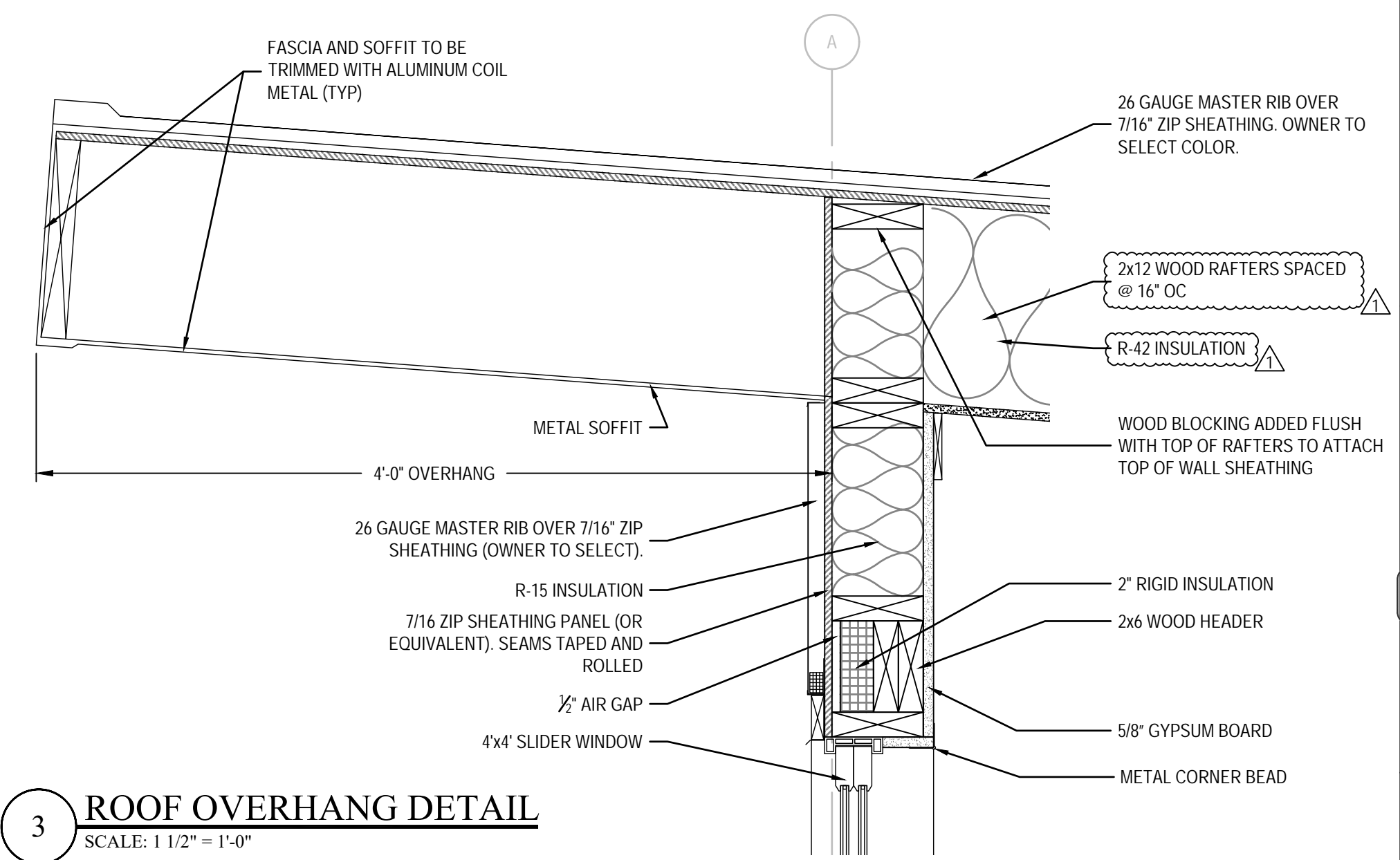


1 OVERALL BUILDING SECTION  
SCALE: 1/4" = 1'-0"

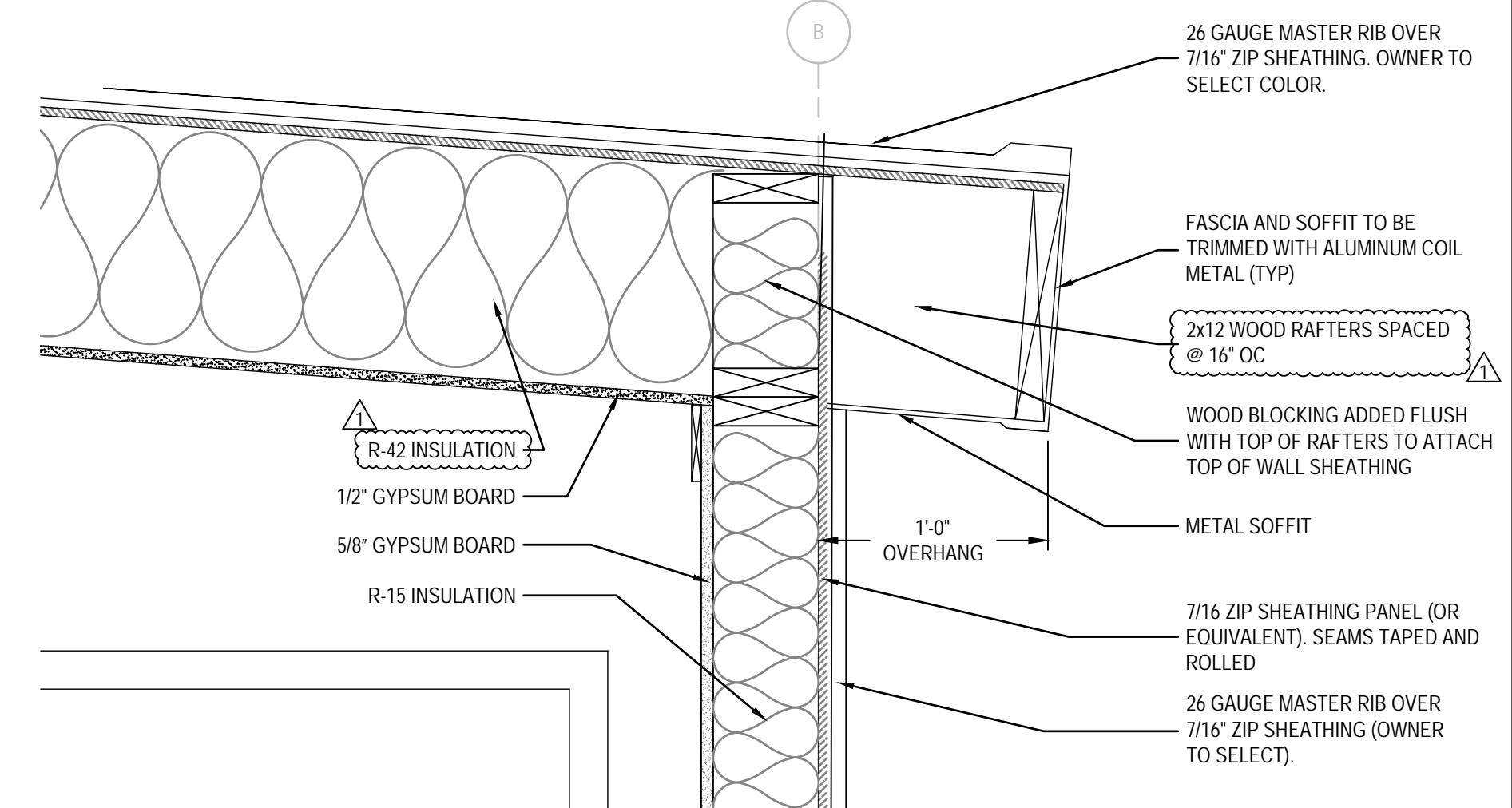


2 MEDIA PLATFORM SECTION  
SCALE: 1/4" = 1'-0"

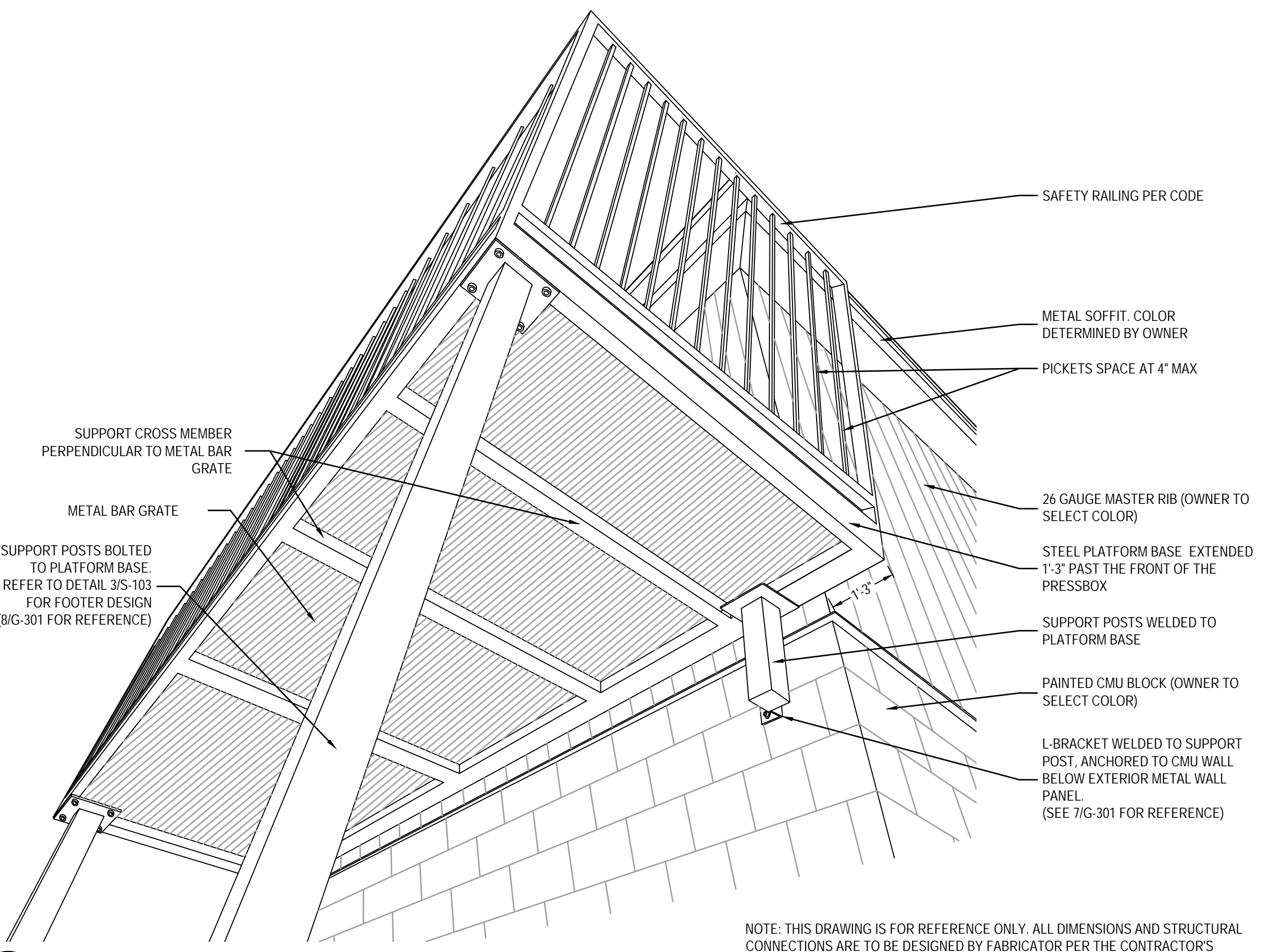
NOTE: WHERE SUPPORT BRACKETS ARE ANCHORED TO THE CMU WALL, THOSE CELLS ARE TO BE GROUT FILLED AND REINFORCED W/ #5 REBAR REINFORCEMENT.



3 ROOF OVERHANG DETAIL  
SCALE: 1 1/2" = 1'-0"



4 ROOF OVERHANG DETAIL  
SCALE: 1 1/2" = 1'-0"



5 MEDIA PLATFORM DETAIL  
NTS

NOTE: THIS DRAWING IS FOR REFERENCE ONLY. ALL DIMENSIONS AND STRUCTURAL CONNECTIONS ARE TO BE DESIGNED BY FABRICATOR PER THE CONTRACTOR'S REQUEST. THE STRUCTURAL ENGINEER WILL REVIEW THE DESIGN AND ADVISE AS NEEDED TO PROVIDE A SECURE AND STABLE PLATFORM. THE ENTIRE STRUCTURE IS TO BE BLACK POWDER COATED. STAIR CONNECTIONS TO THE BUILDING ARE TO BE DETERMINED BY THE FABRICATOR.



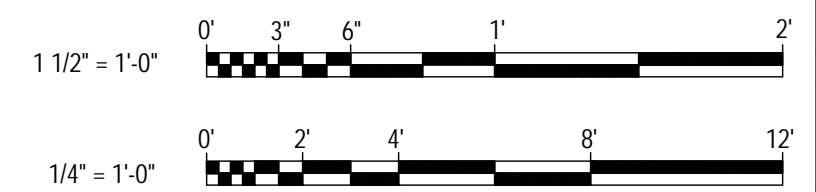
6 STAIR ANCHOR DETAIL  
NTS



7 PLATFORM BRACKET CONNECTION  
NTS



8 SUPPORT POST DETAIL  
NTS



**LL&J**  
CONSULTING ENGINEERS  
P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910)774-9306  
FAX: (866)649-7235

Professional Engineer Seal for L.L. & J. Locklear & Jones, Inc. No. 029469, State of North Carolina. Seal expires 4/13/2023.

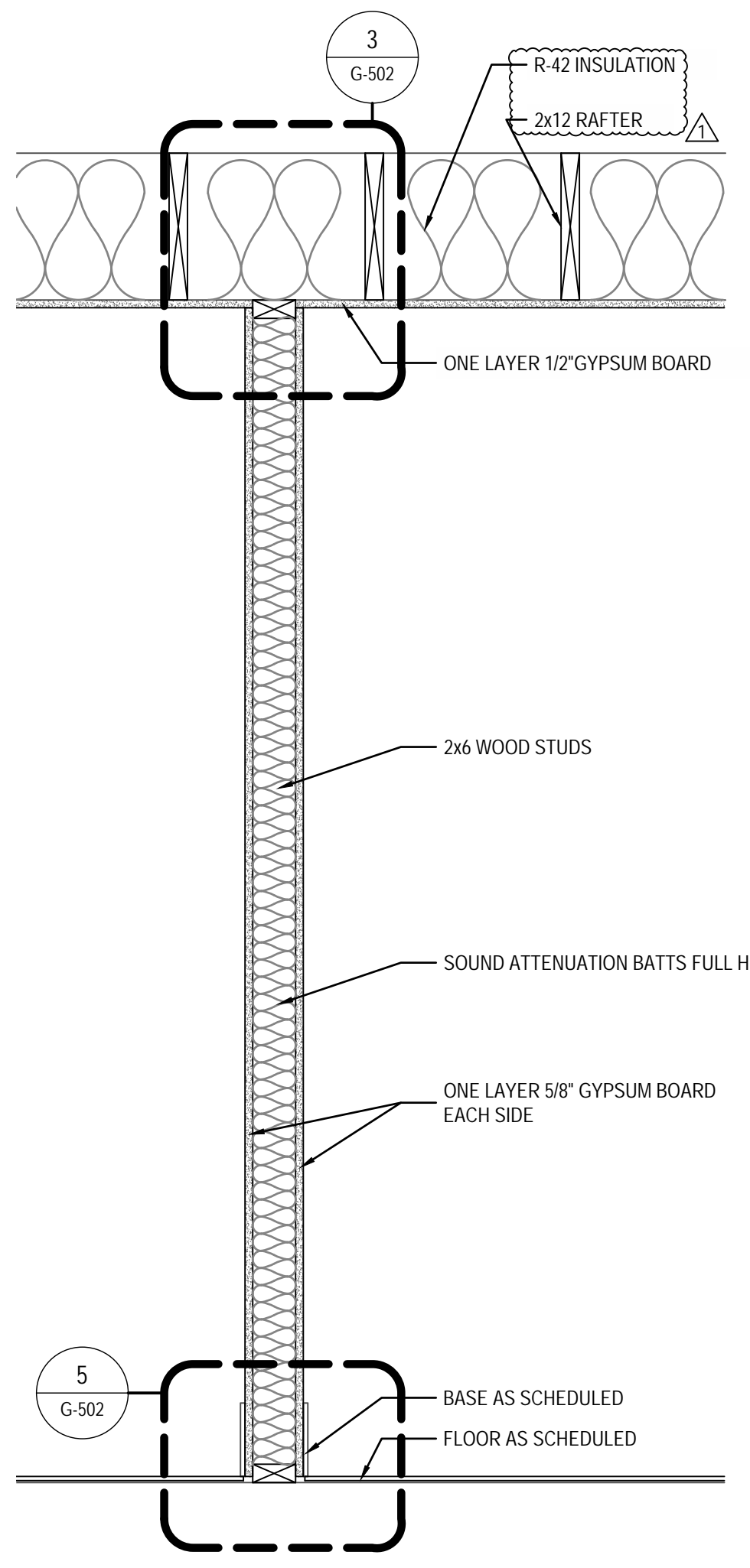
**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

PROJECT INFORMATION:

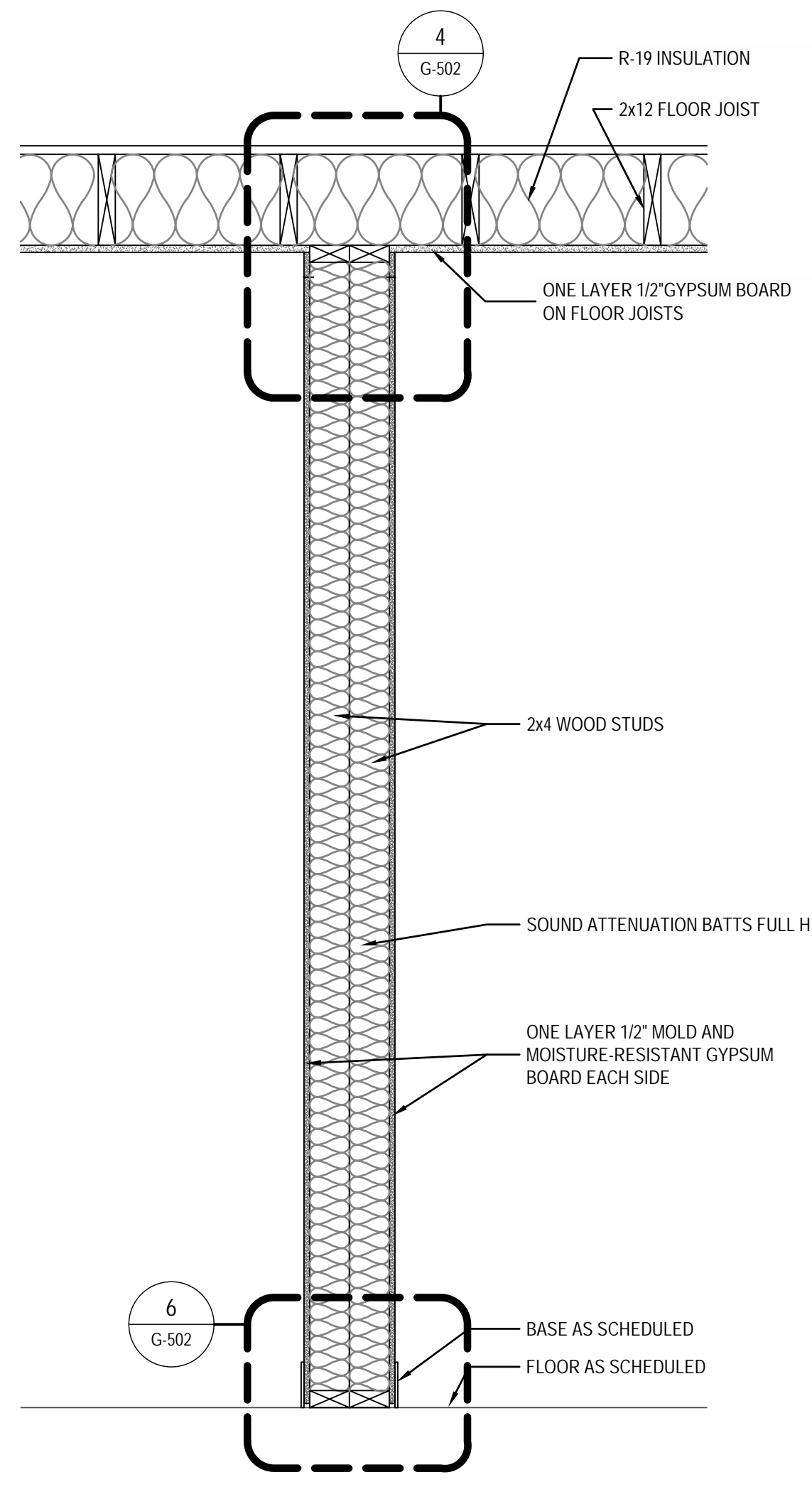
REVISION	DATE	DESCRIPTION
1	4/13/2023	ROOF RAFTERS AND INSULATION CHANGED. ELEVATIONS UPDATED.
2		
3		
4		
5		

DATE: 1/10/2023  
DRAWN BY: RDH  
CHECKED BY: JEL

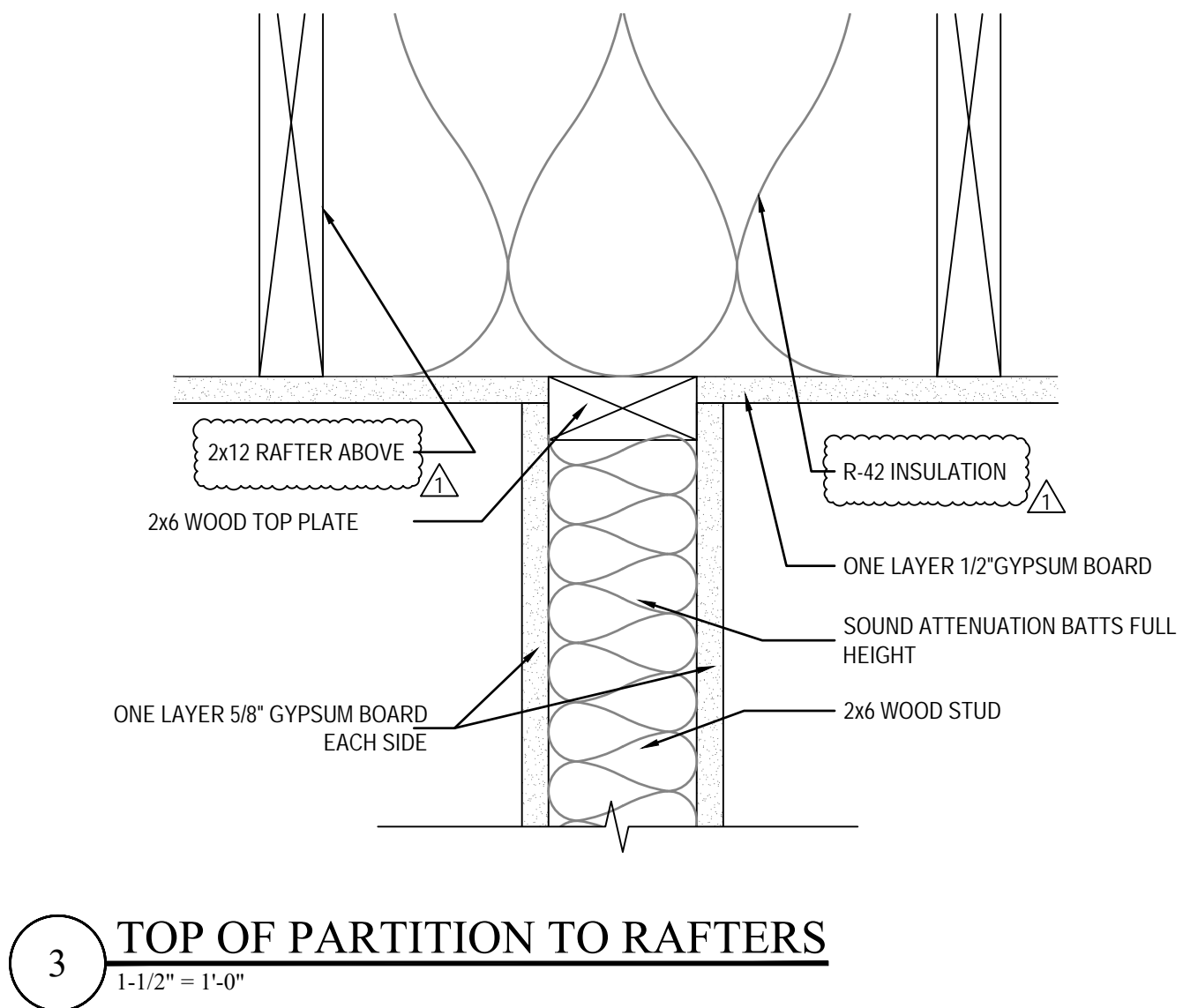
SHEET TITLE: **BUILDING SECTIONS AND DETAILS**  
SHEET NUMBER: **G-301**  
PROJECT#: 21-11110



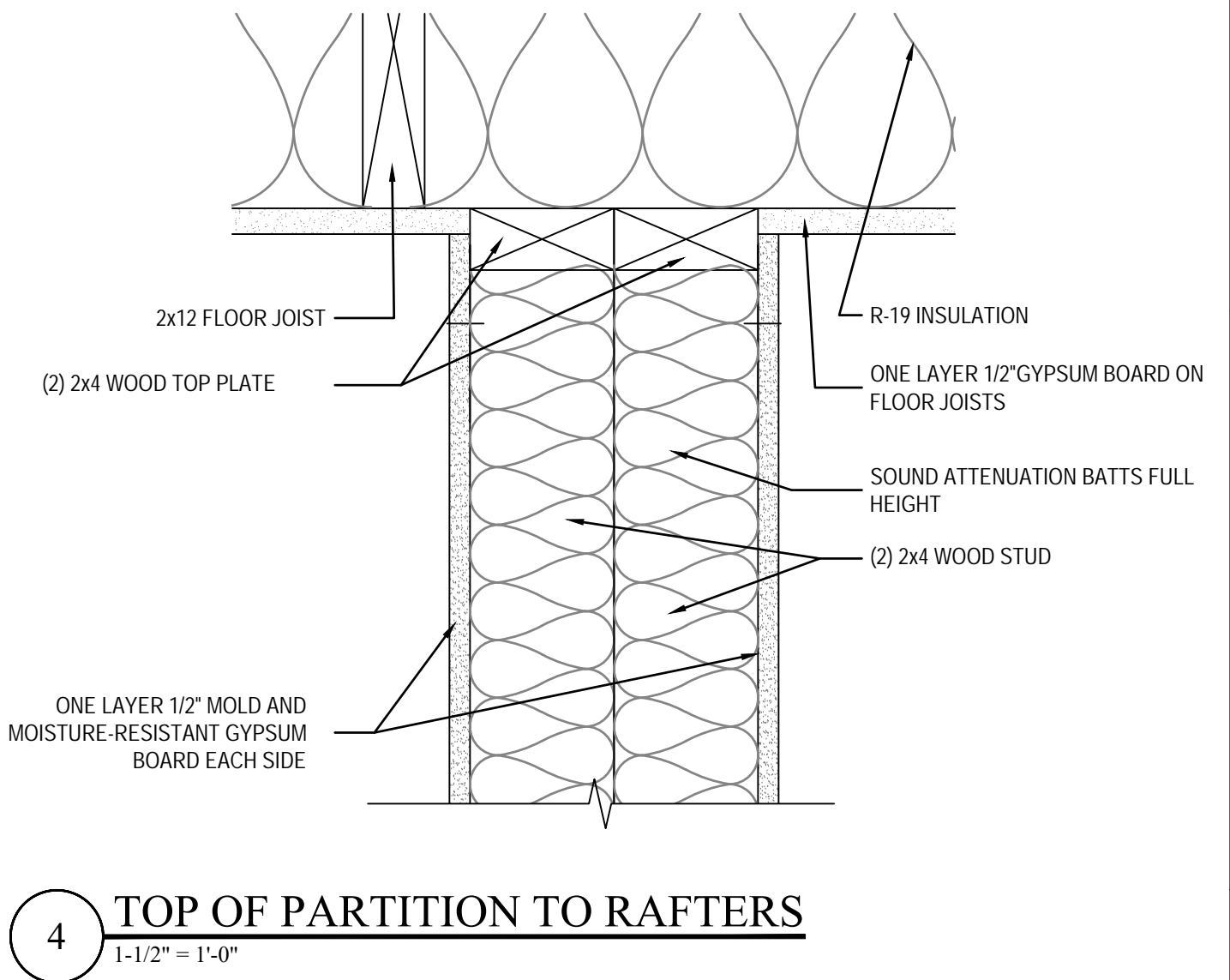
1 PARTITION TYPE P-1  
1" = 1'-0"



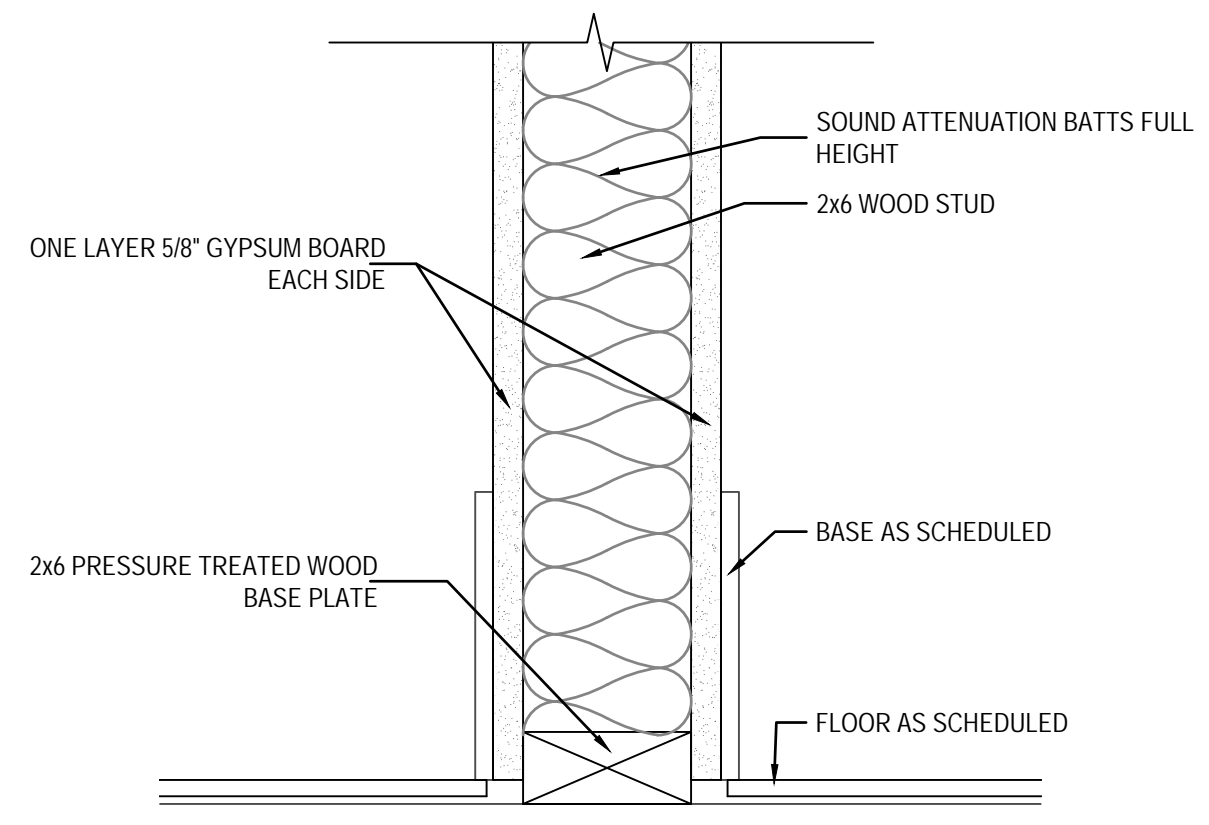
2 PARTITION TYPE P-2  
1" = 1'-0"



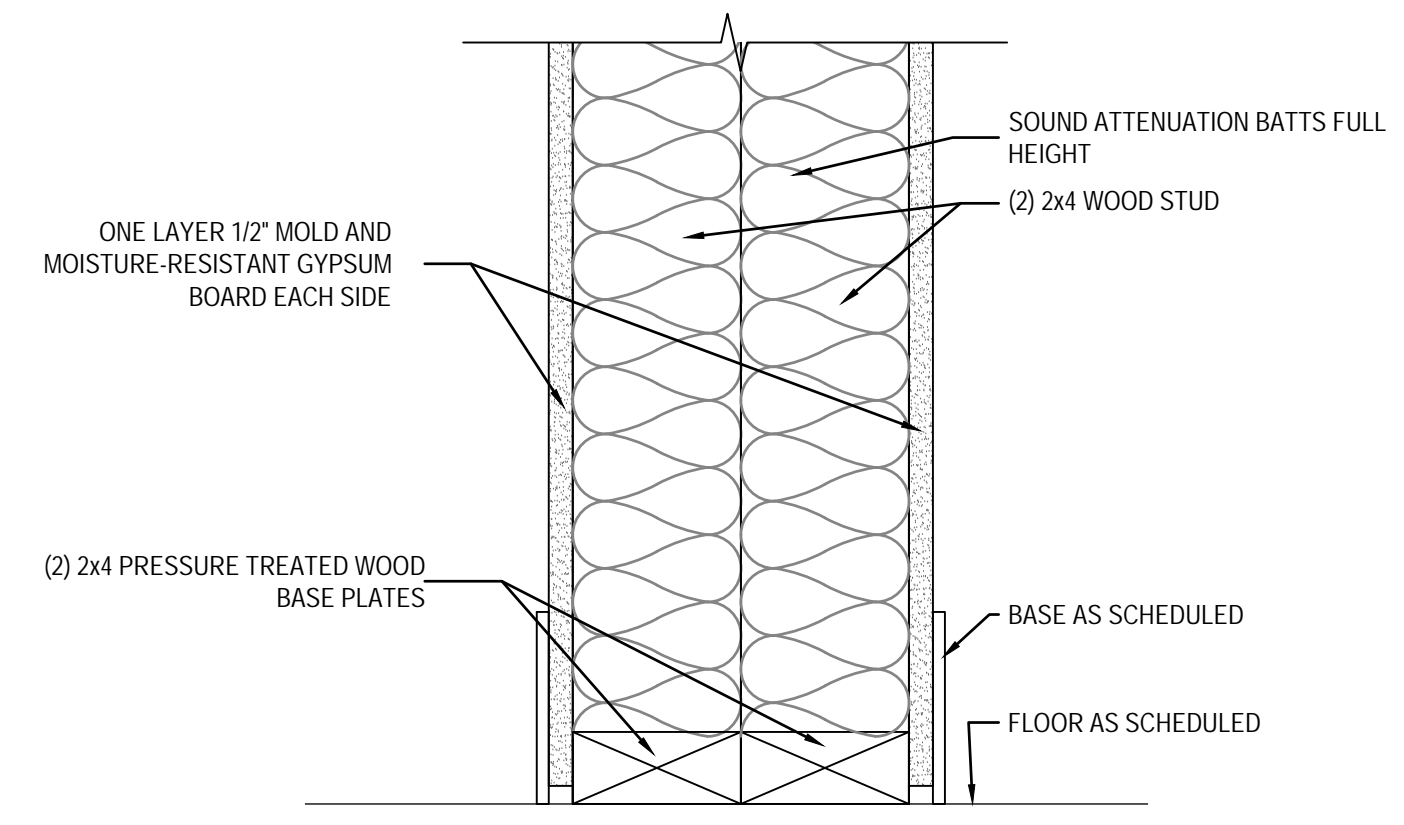
3 TOP OF PARTITION TO RAFTERS  
1-1/2" = 1'-0"



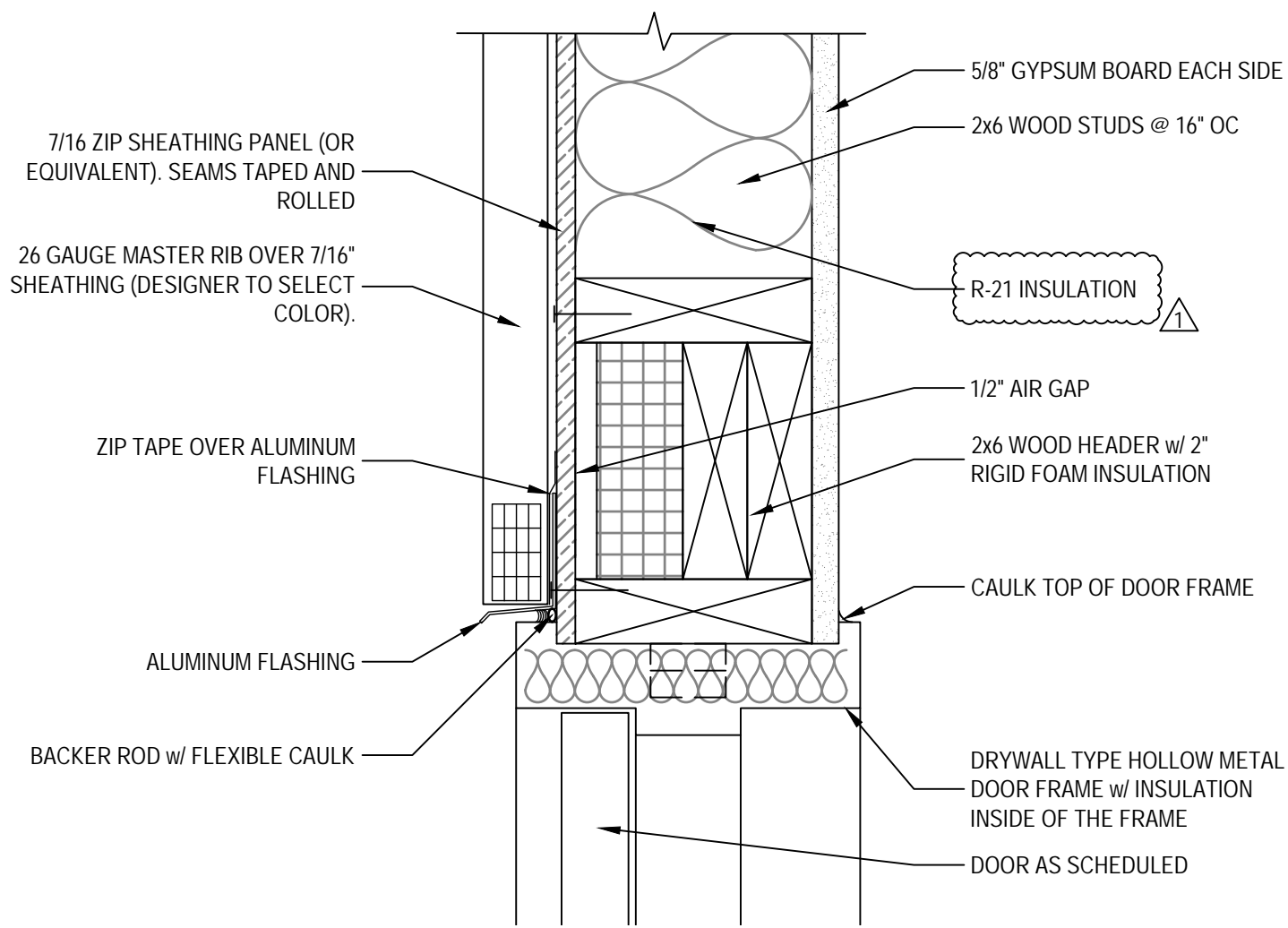
4 TOP OF PARTITION TO RAFTERS  
1-1/2" = 1'-0"



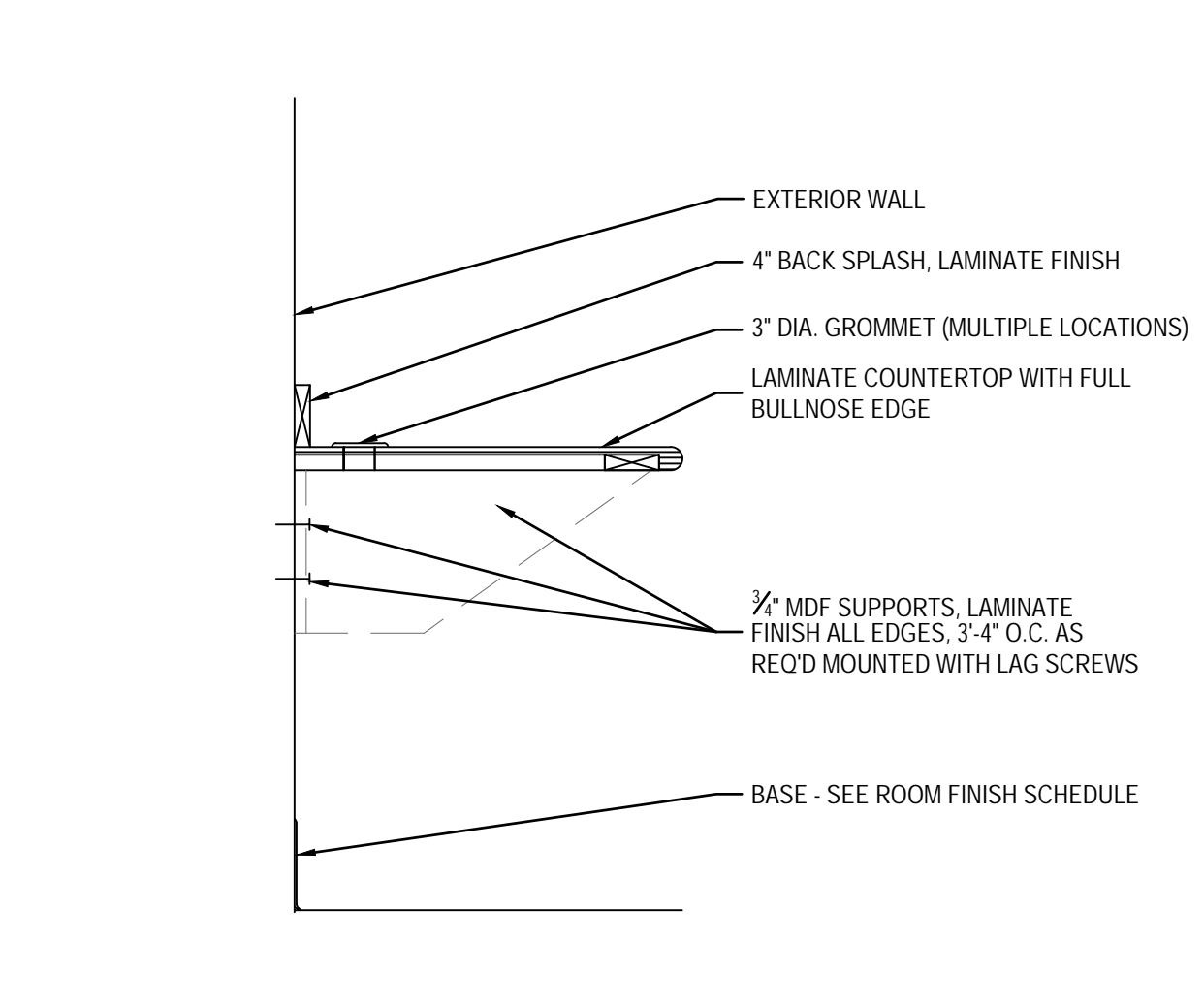
5 BASE OF PARTITION  
1-1/2" = 1'-0"



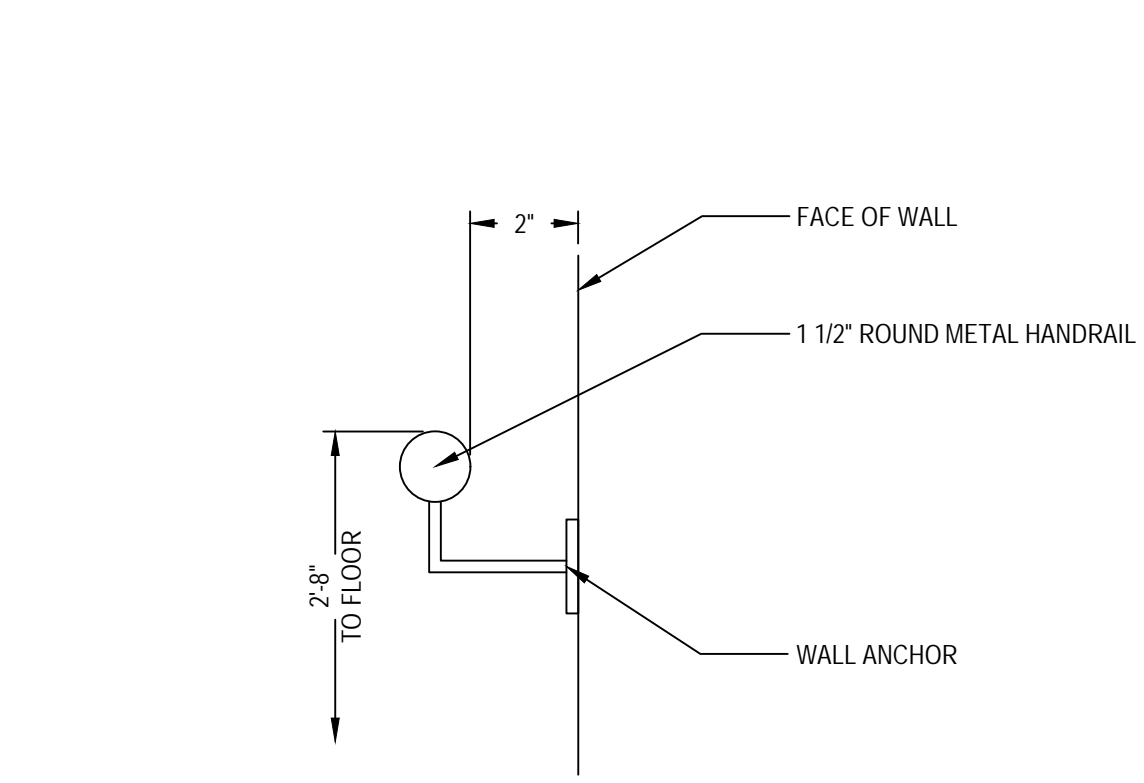
6 BASE OF PARTITION  
1-1/2" = 1'-0"



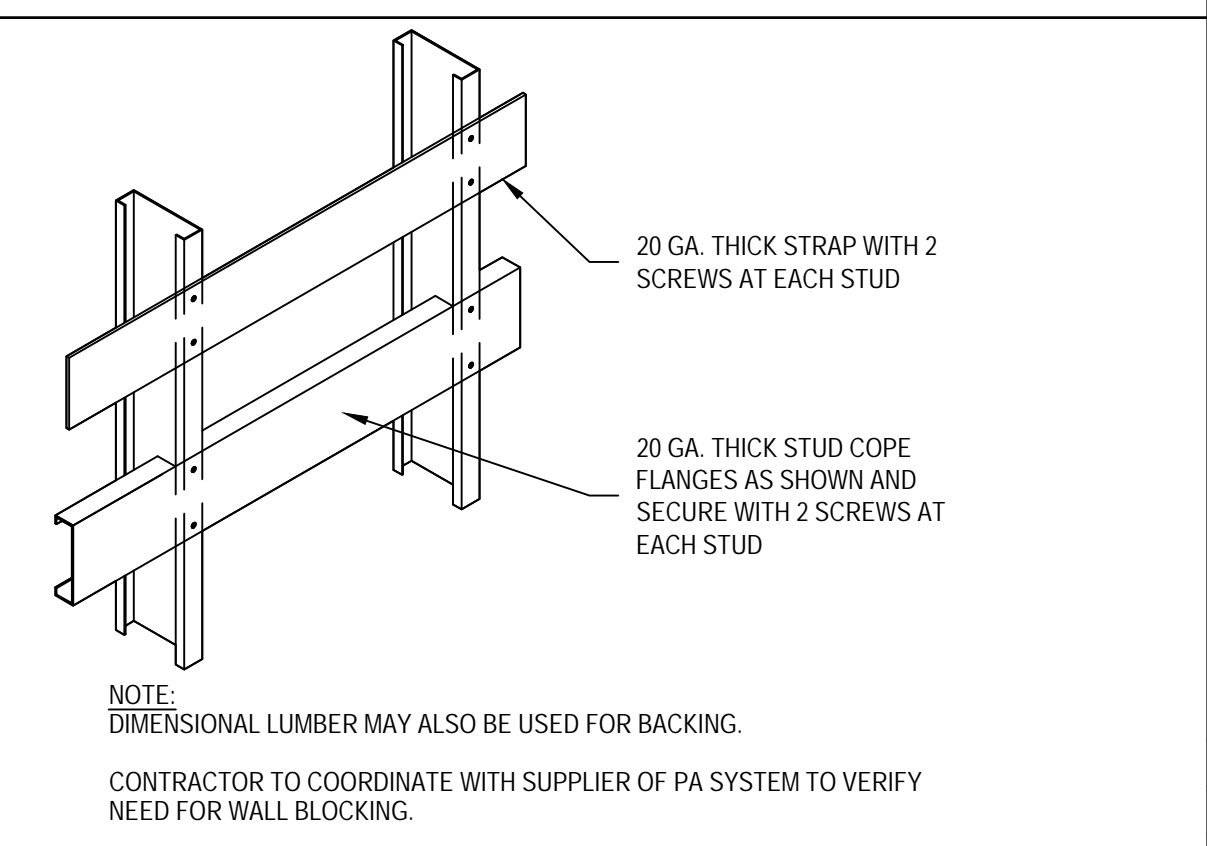
7 METAL PANEL EXTERIOR HEAD/JAMB DETAIL  
3" = 1'-0"



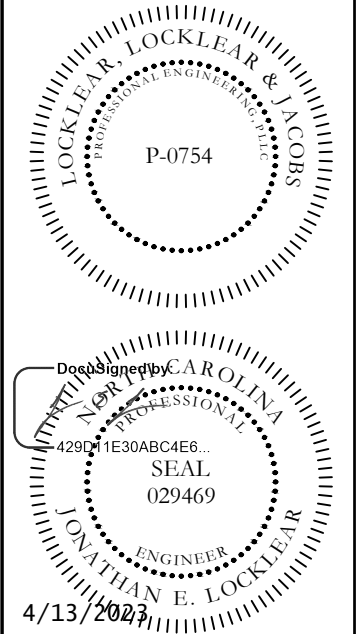
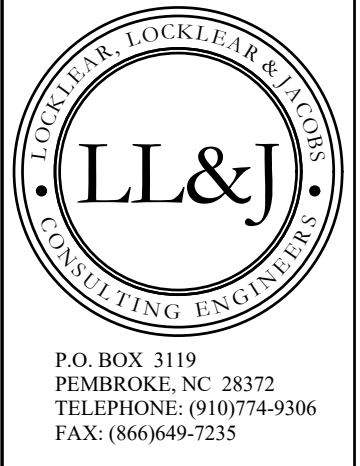
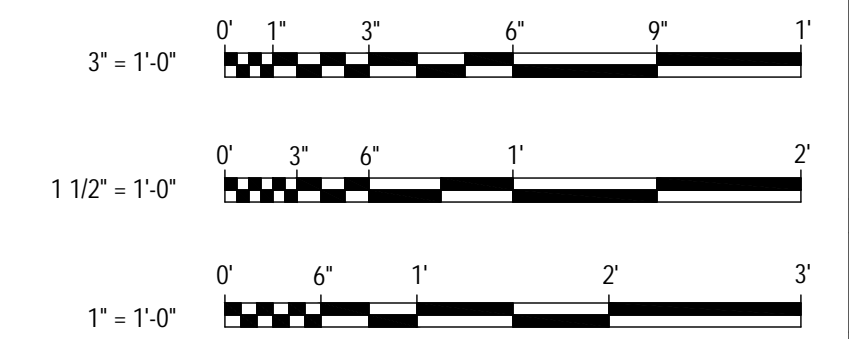
8 CONTINUOUS COUNTER TOP DETAIL  
1" = 1'-0"



9 HANDRAIL DETAIL  
NTS



10 CABINET BLOCKING DETAIL  
NTS



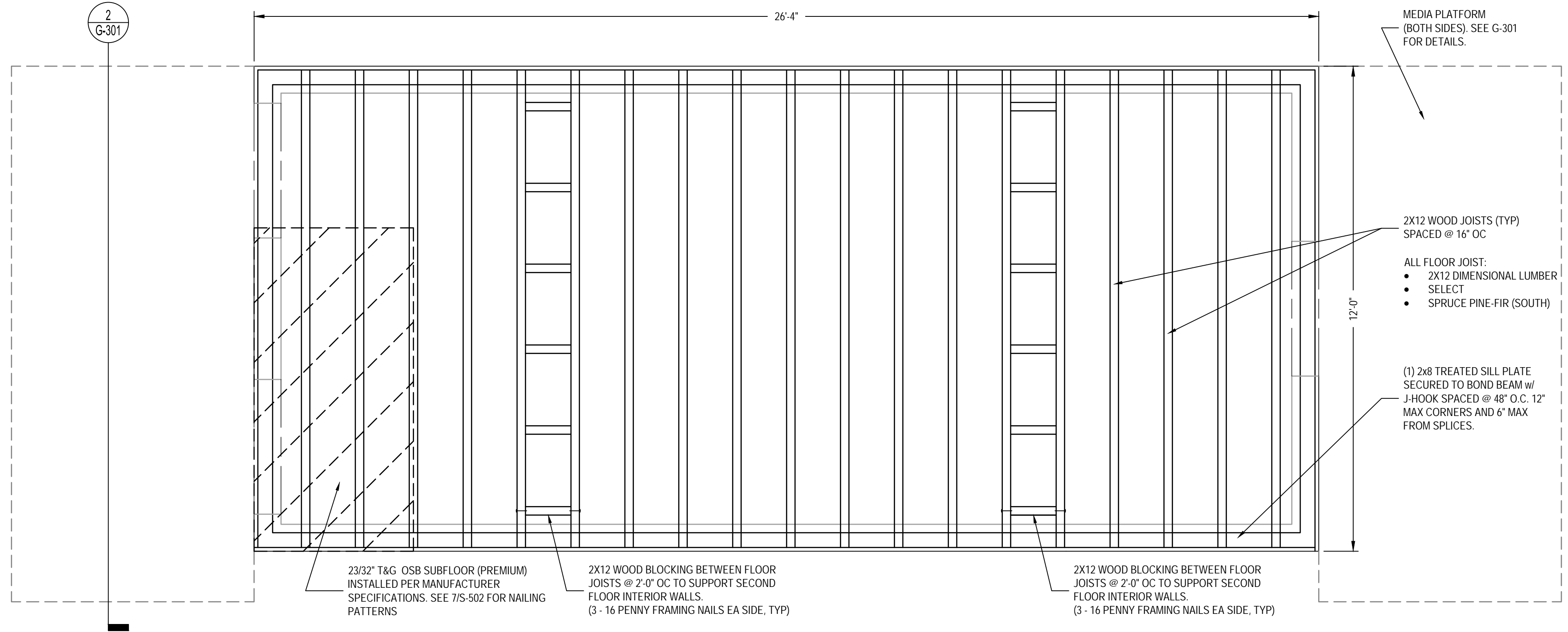
PROJECT INFORMATION:  
**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

REV#	DATE	DESCRIPTION
1	4/12/2023	ROOF RAFTERS AND INSULATION CHANGED
2		
3		
4		
5		

DATE: 1/10/2023  
DRAWN BY: RDH  
CHECKED BY: JEL

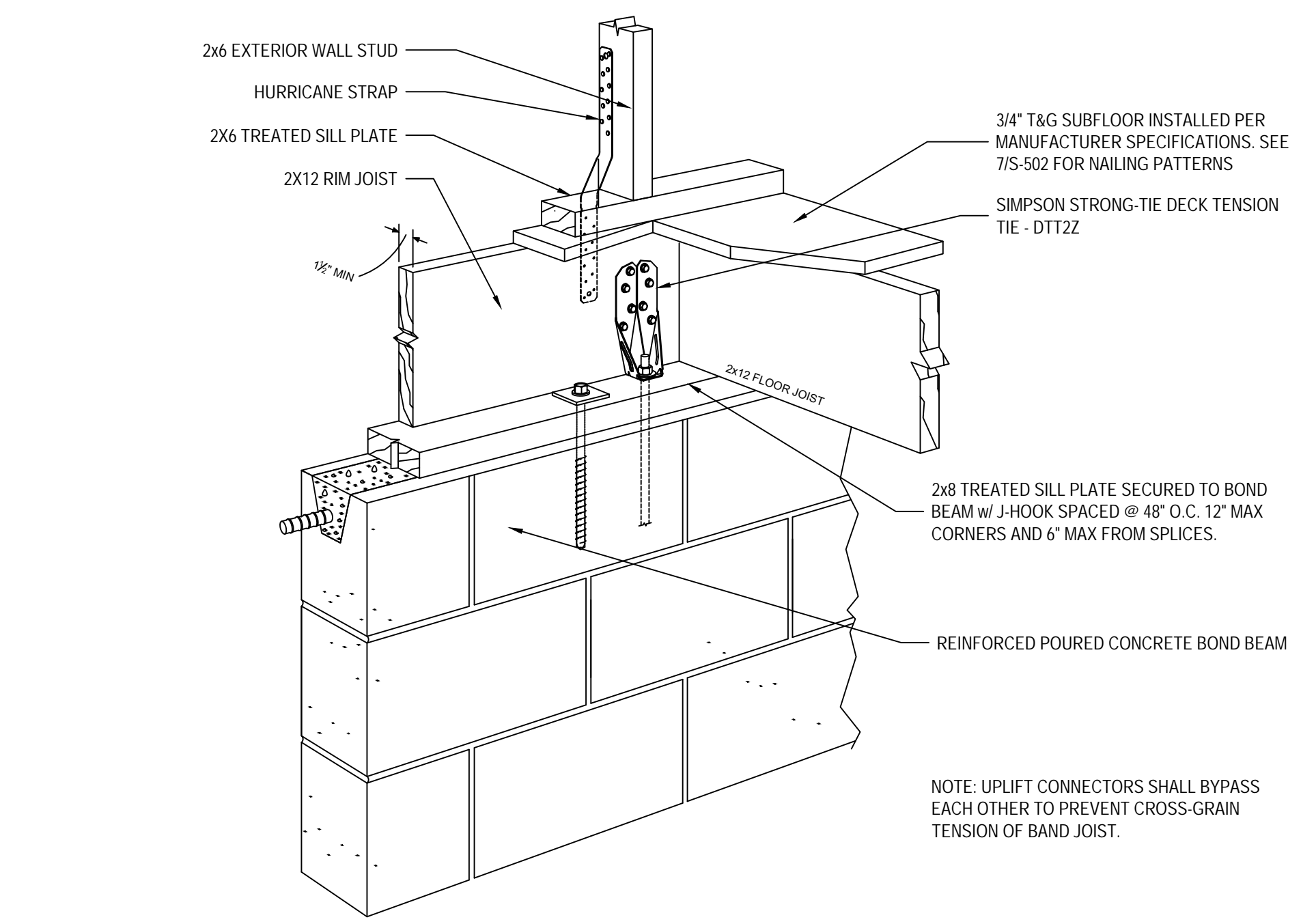
SHEET TITLE:  
**GENERAL DETAILS**  
SHEET NUMBER:  
**G-502**  
PROJECT# 21-11110

Printed: Thu 13-Apr-2023 - 01:18PM

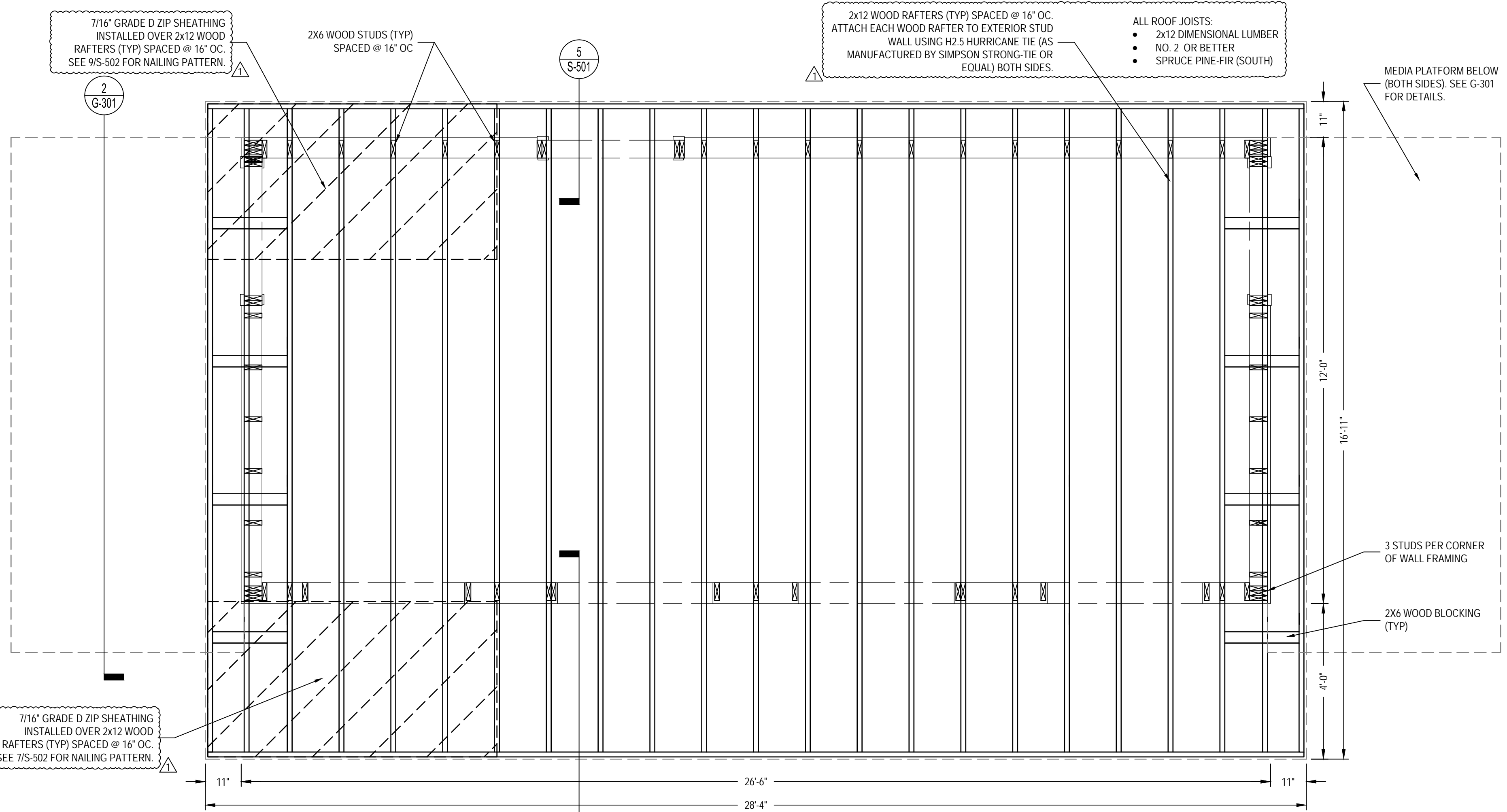


**1** SECOND FLOOR FRAMING PLAN  
 1/2" = 1'-0"

PLAN NORTH ACTUAL NORTH

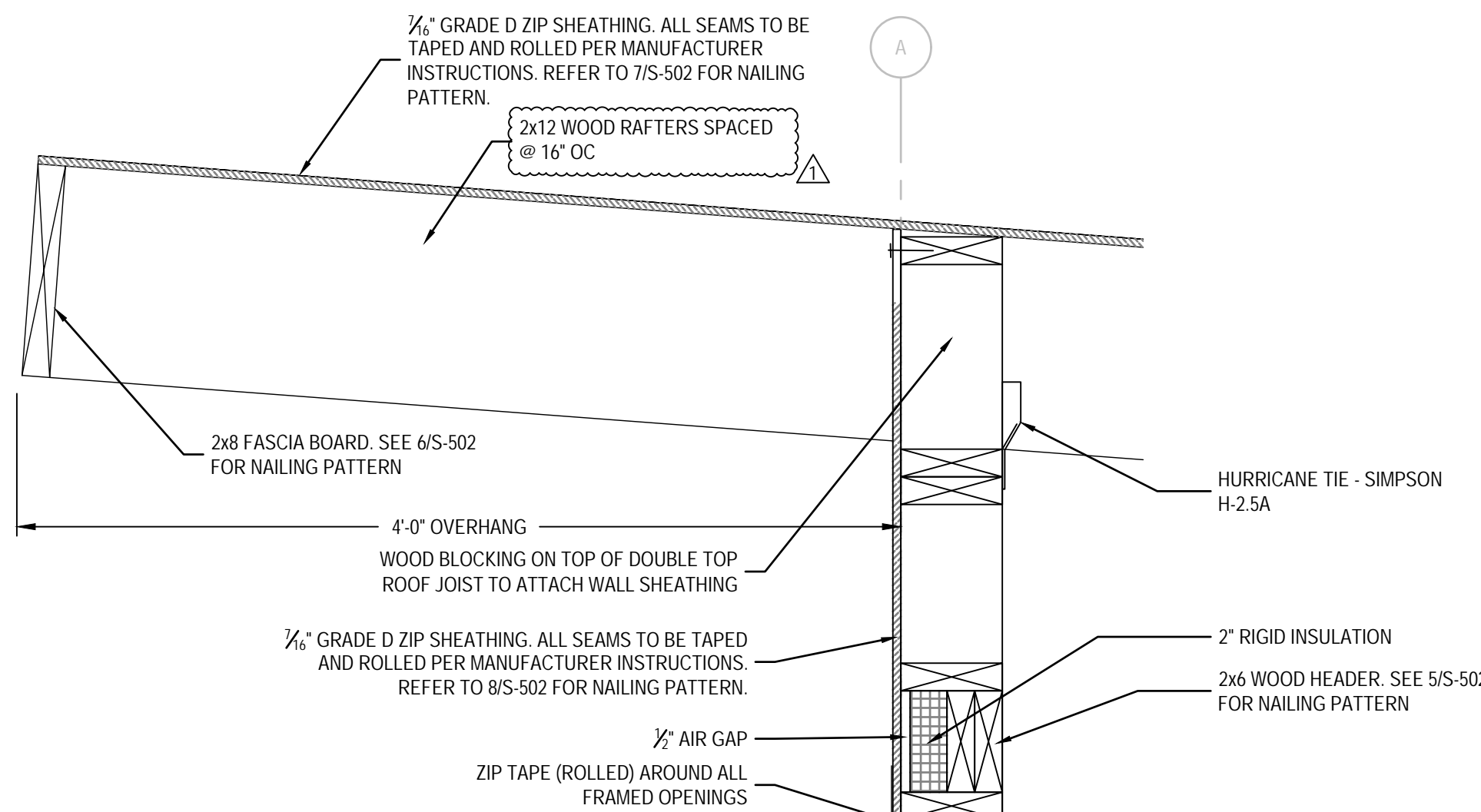


**2** FLOOR FRAMING DETAIL  
 N.T.S.

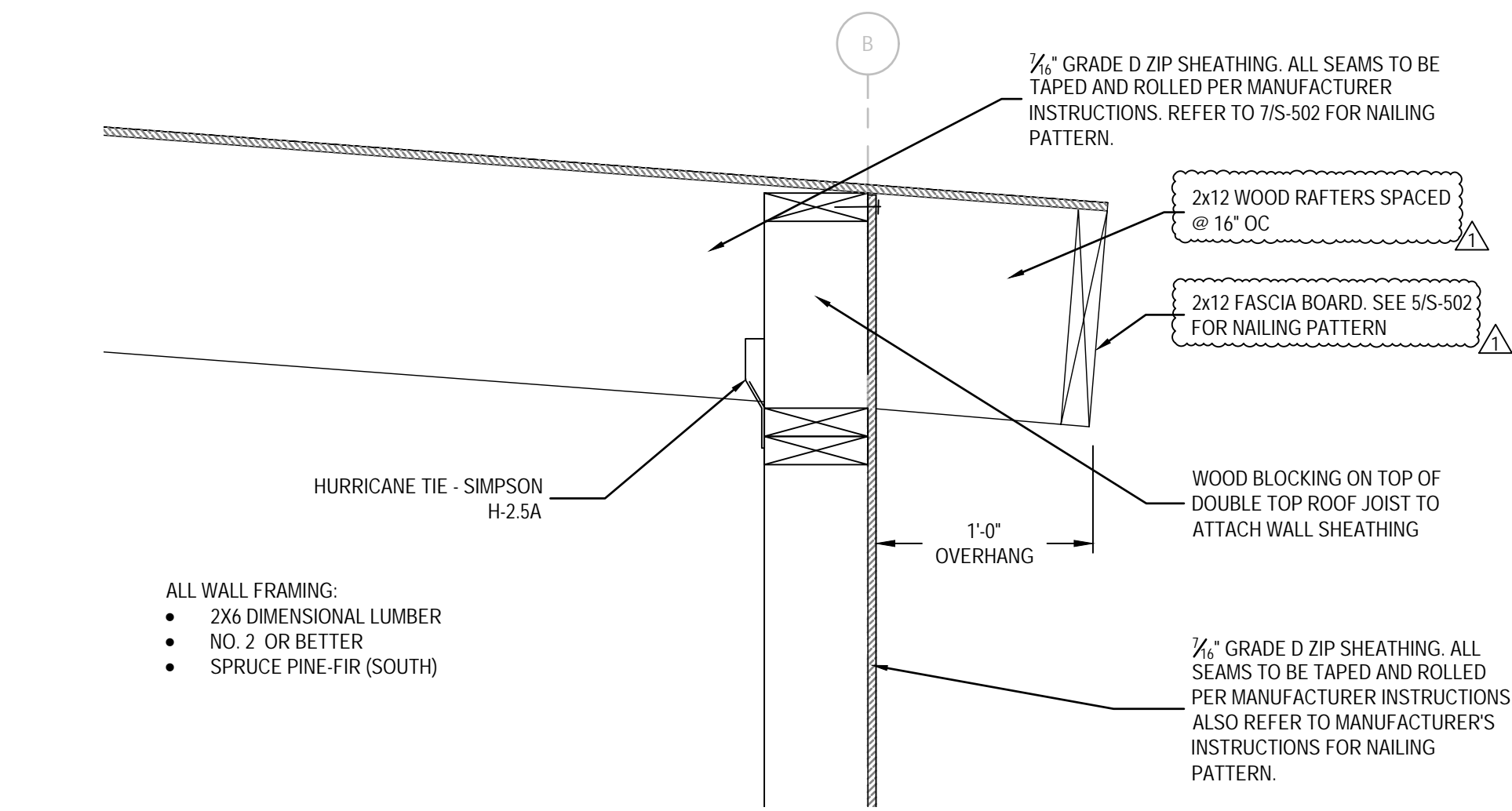


**3** ROOF FRAMING PLAN  
 1/2" = 1'-0"

PLAN NORTH ACTUAL NORTH



**4** ROOF OVERHANG DETAIL  
 SCALE: 1 1/2" = 1'-0"



**5** ROOF OVERHANG DETAIL  
 SCALE: 1 1/2" = 1'-0"

LOCKLEAR & LOCKLEAR CONSULTING ENGINEERS

**LL&J**

P.O. BOX 3119  
 PEMBROKE, NC 28372  
 TELEPHONE: (910)774-9306  
 FAX: (866)649-7235

LOCKLEAR & LOCKLEAR CONSULTING ENGINEERS

P-0754

Professional Engineer Seal for Jonathan E. Locklear, No. 029469, State of North Carolina, dated 4/13/2023.

**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
 2911 HARNETT CENTRAL RD  
 ANGLIER, NC 27501

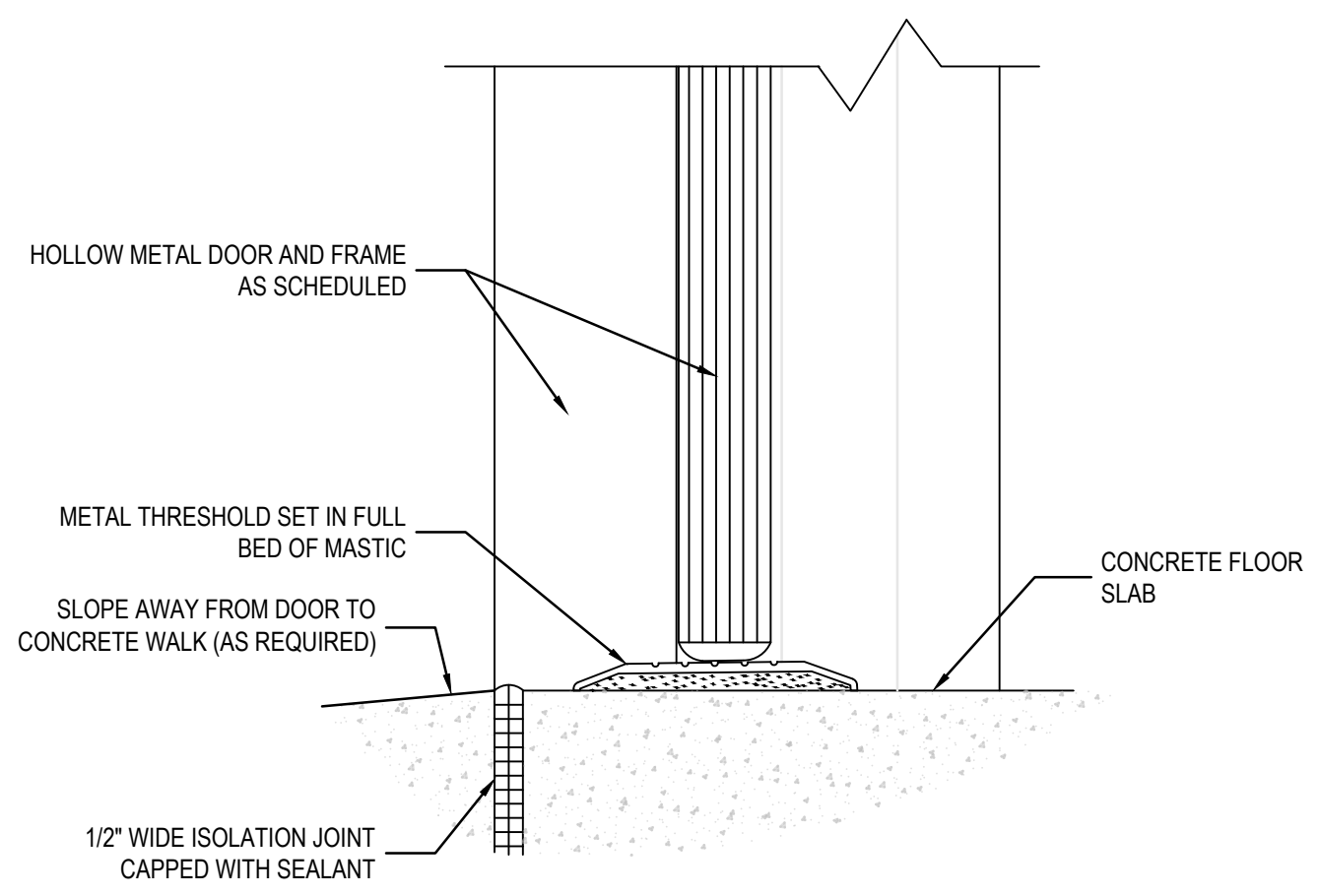
PROJECT INFORMATION:

REVISION	DATE	DESCRIPTION
1	4/13/2023	ROOF RAFTERS AND INSULATION CHANGED

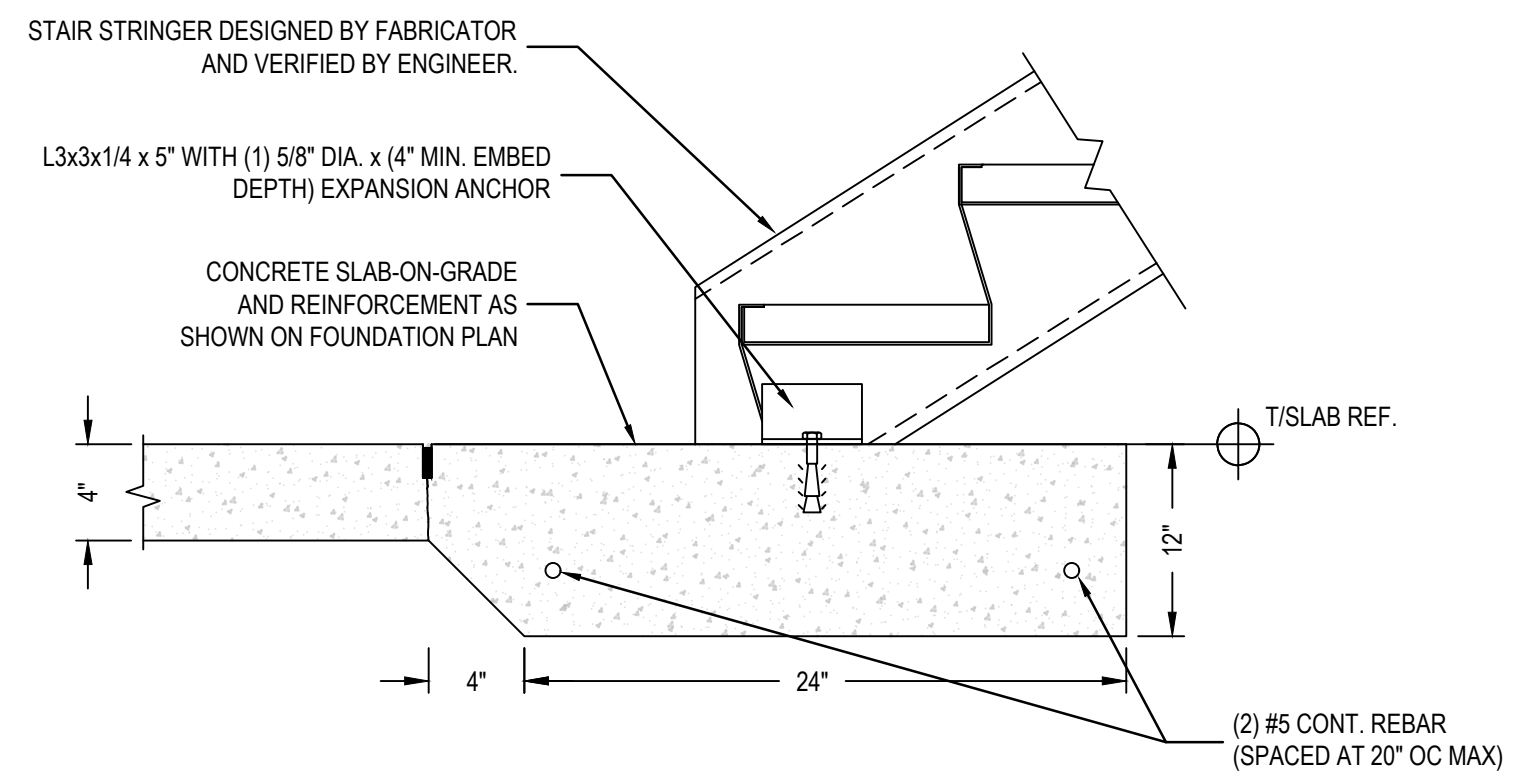
DATE: 1/10/2023  
 DRAWN BY: CKD  
 CHECKED BY: JEL  
 SHEET TITLE: FRAMING PLAN  
 SHEET NUMBER: S-102  
 PROJECT#: 21-1110

C:\Users\CARLOS\AppData\Local\Temp\Publsh\_22680\21-1110 Harnett Central Press Box.dwg, S-102 FRAMING PLAN, Carlos-LL&L

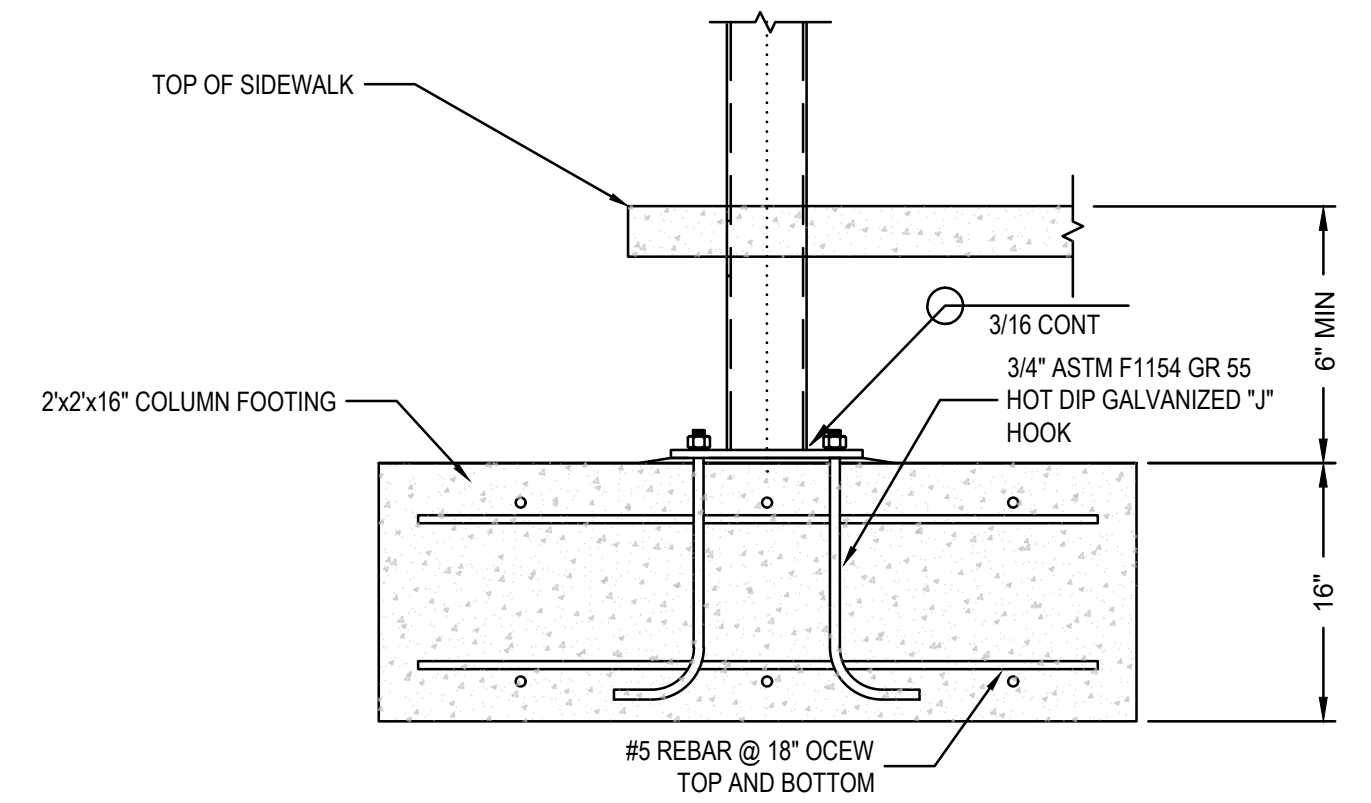
Printed: Thu 13-Apr-2023 - 04:41PM



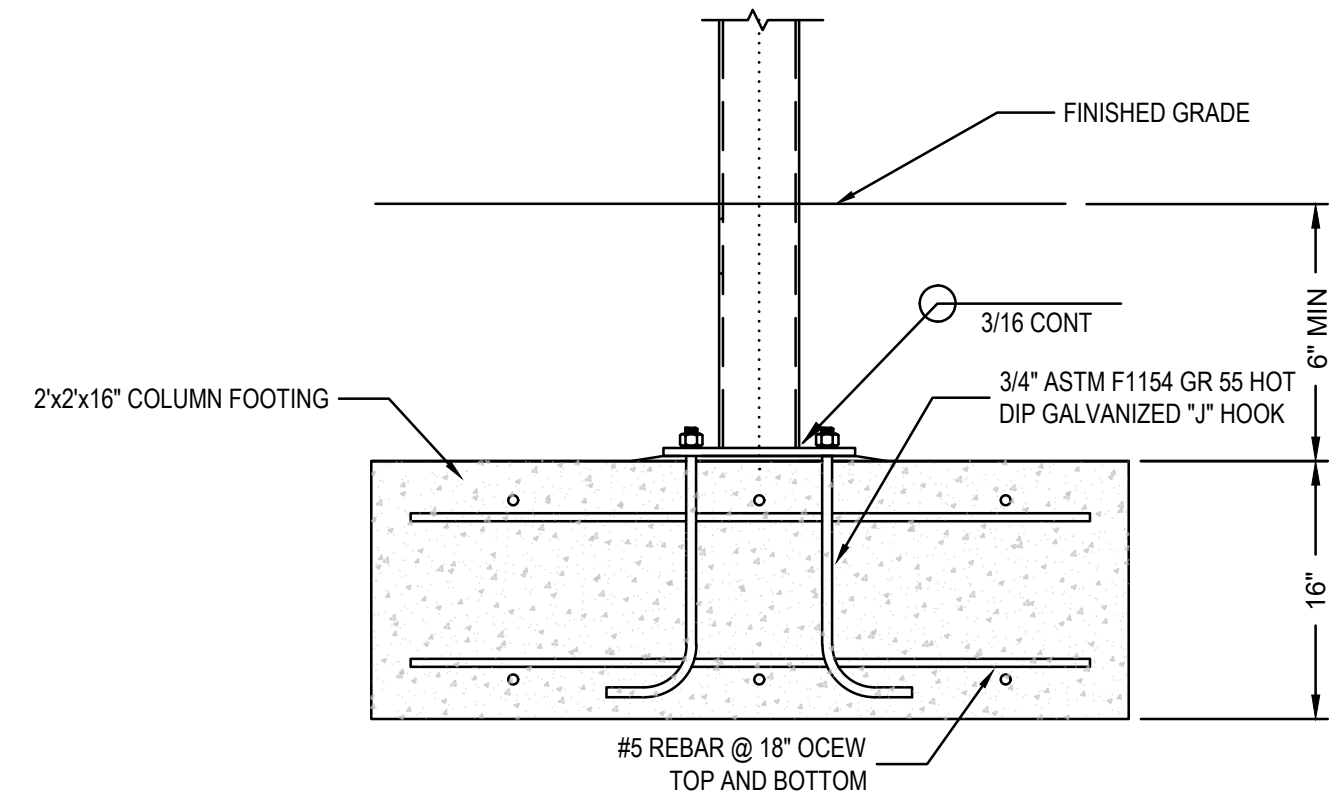
1 SILL AT EXTERIOR DOOR  
NTS



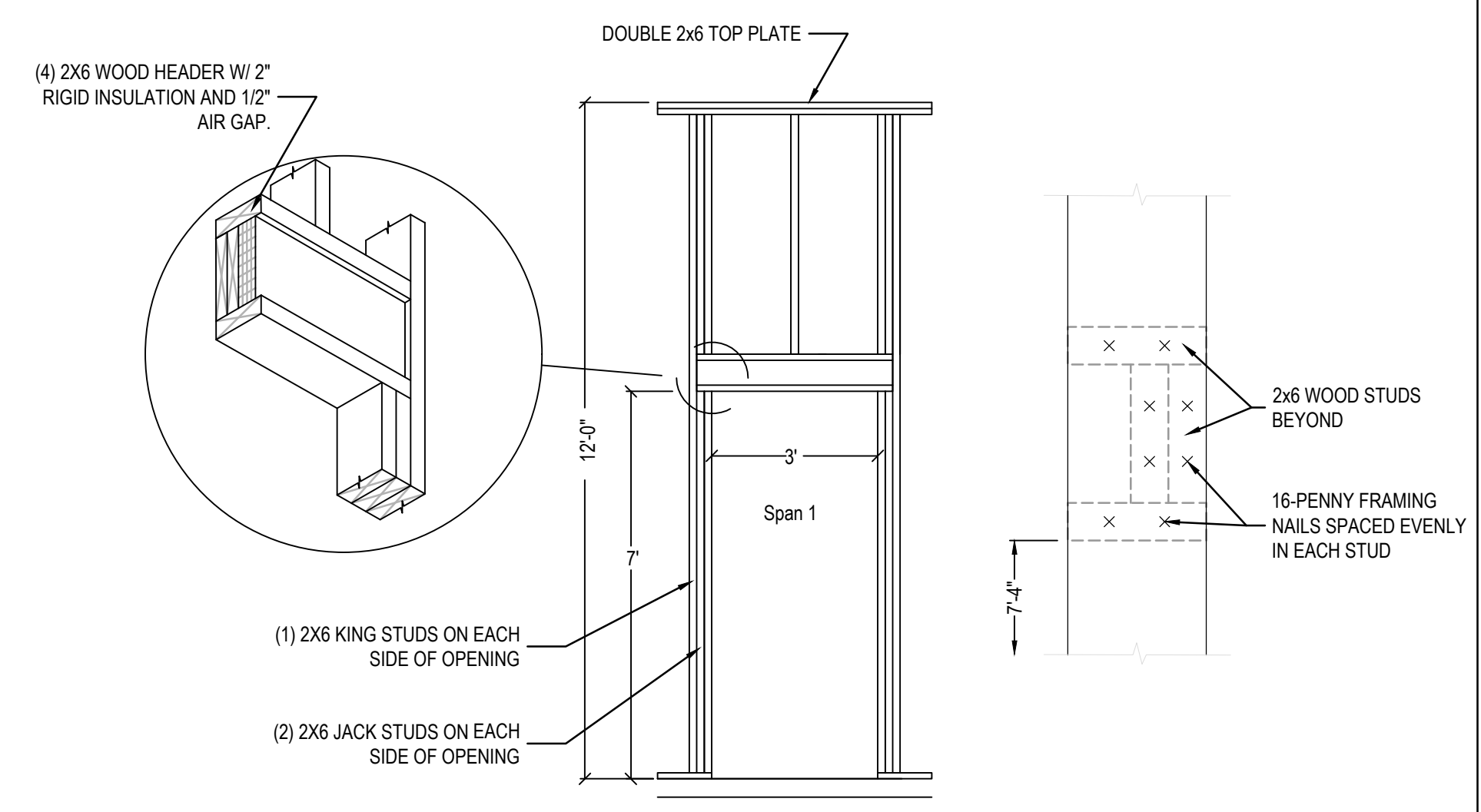
2 THICKENED SLAB ON GRADE UNDER STEEL STAIRS DETAIL  
NTS



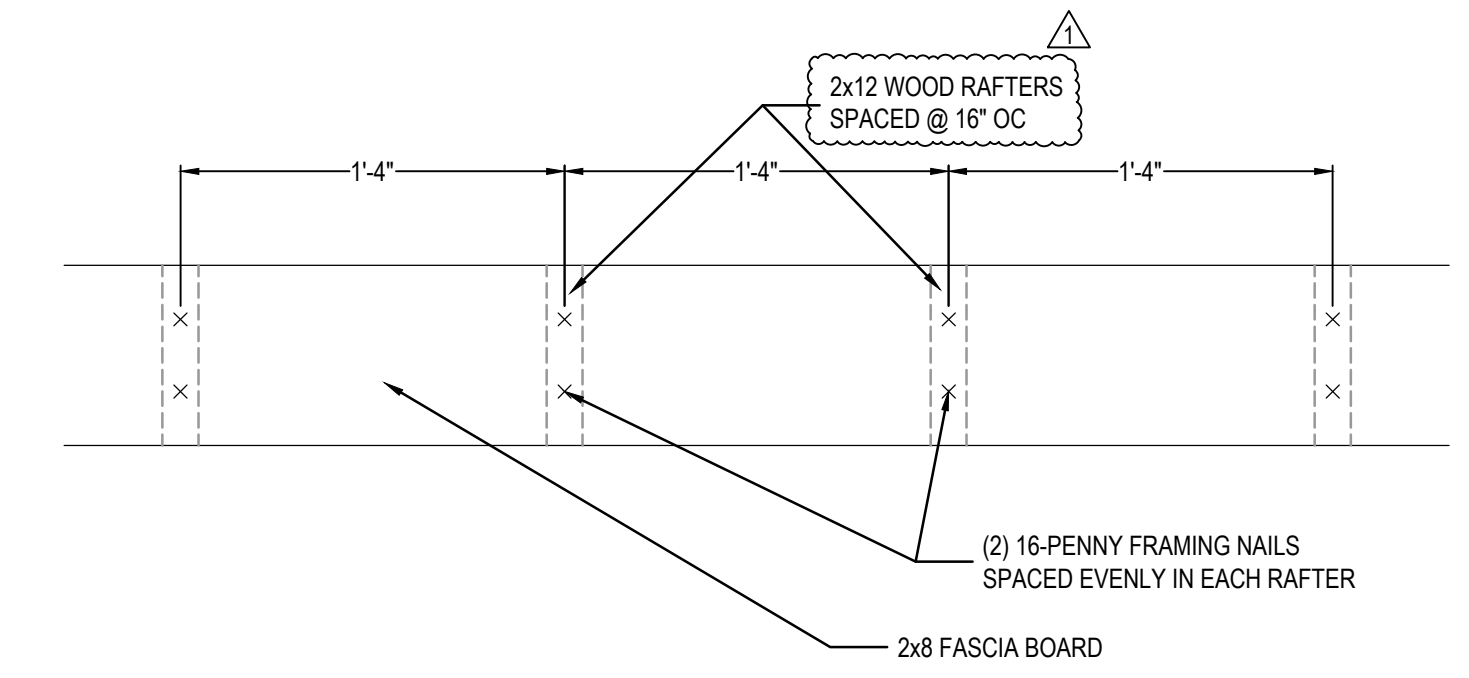
3 STEEL COLUMN FOOTER DETAIL  
NTS



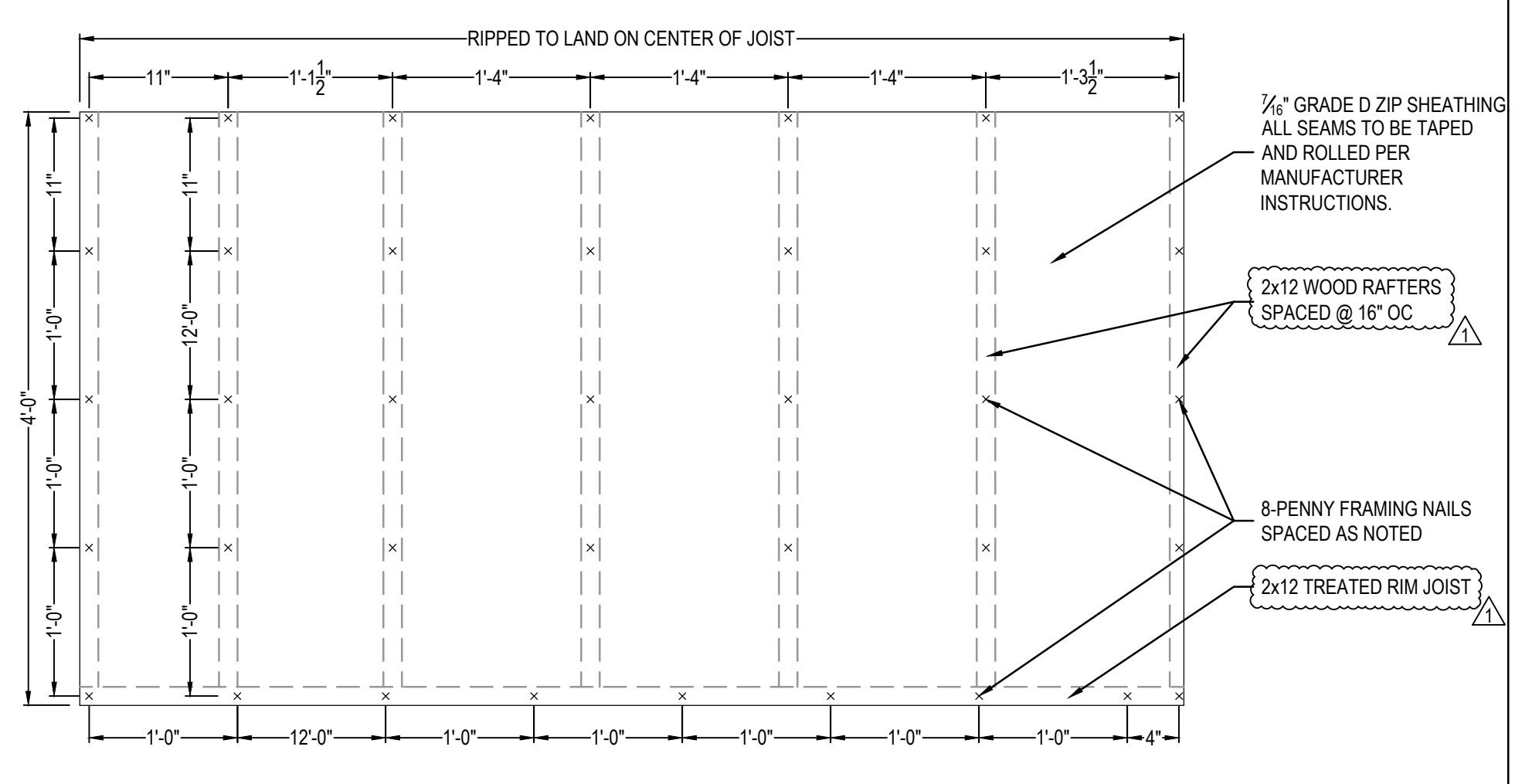
4 STEEL COLUMN FOOTER DETAIL  
NTS



5 TYPICAL 36" OPENING IN EXTERIOR WALL DETAIL  
NTS

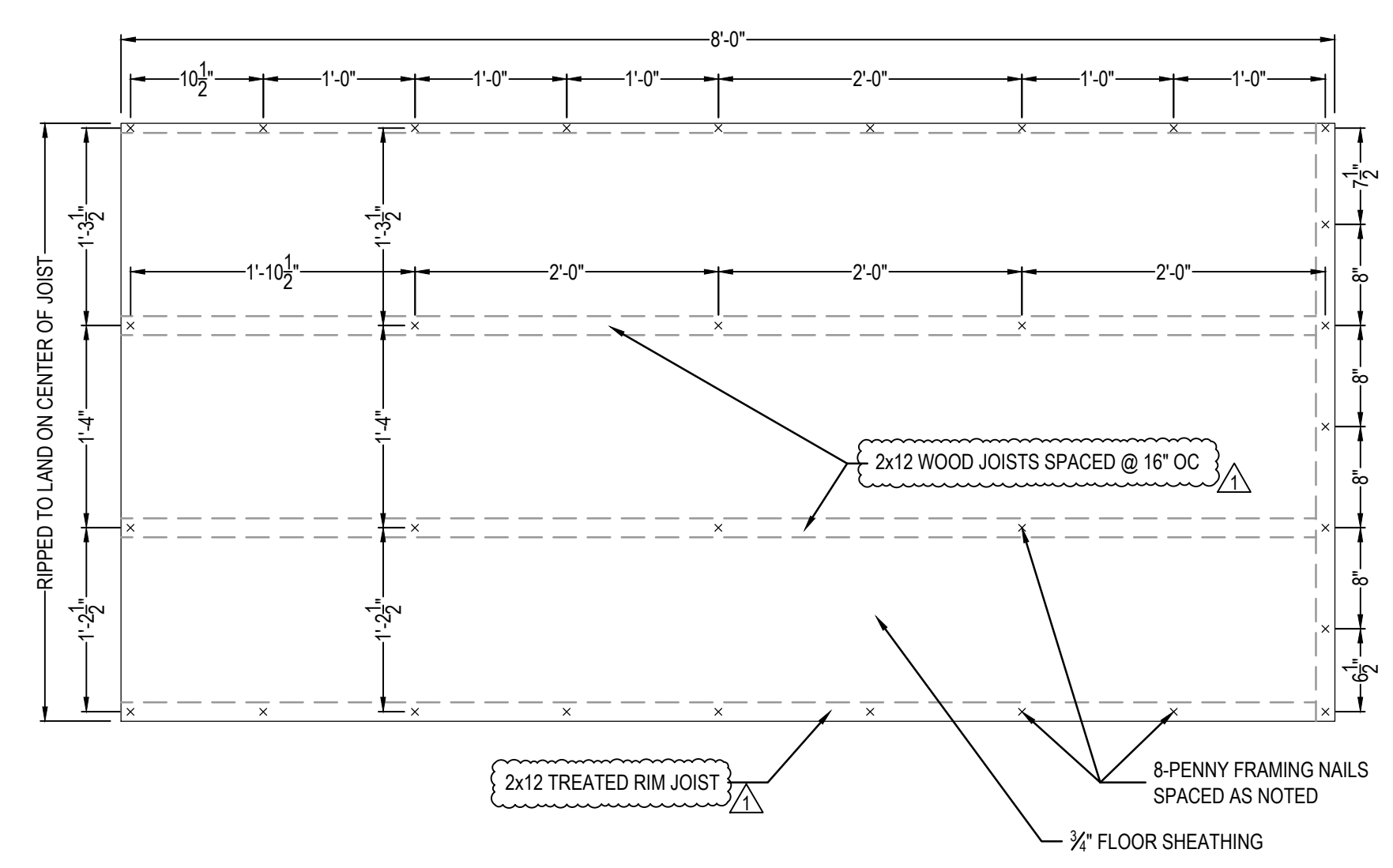


6 FASCIA BOARD NAILING PATTERN  
NTS

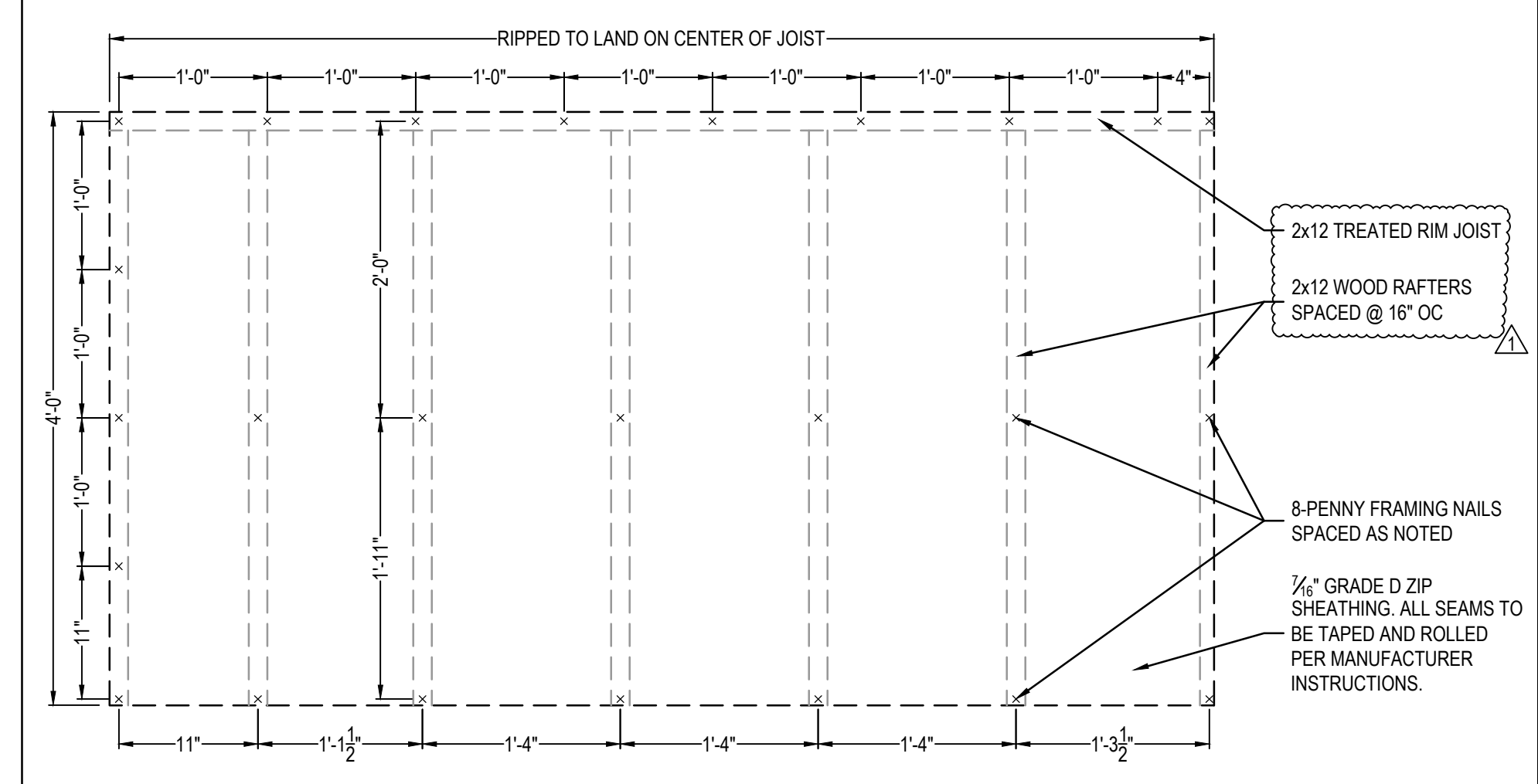


7 ROOF SHEATHING NAILING PATTERN  
NTS

NOTE: ON THE 4'-0" OVERHANG, THE NAIL SPACING IS TO BE 1'-0" OC.

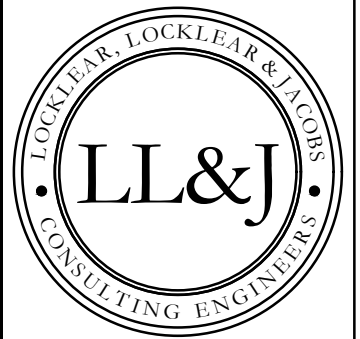


8 FLOOR SHEATHING NAILING PATTERN  
NTS

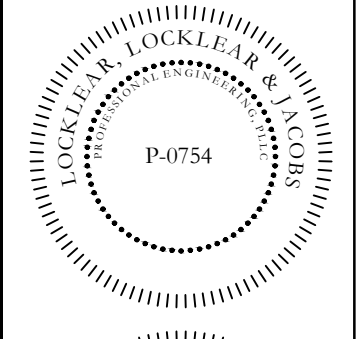


9 ROOF SHEATHING NAILING PATTERN  
NTS

NOTE: ON THE 1'-0" OVERHANG PART OF THE ROOF, THE NAIL SPACING IS TO BE 1'-0" OC ON THE PERIMETER AND 2'-0" OC TYPICAL ELSEWHERE.



P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910) 774-9306  
FAX: (866) 649-7235



4/13/2023

PROJECT INFORMATION:  
**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

REV#	DATE	DESCRIPTION
1	4/12/2023	ROOF RAFTERS CHANGED, FLOOR JOIST SIZE CORRECTED.
2		
3		
4		
5		

2023 COPYRIGHT BY LL&J. THIS DRAWING MAY NOT BE COPIED, REUSED OR PUT INTO AN ELECTRONIC DATABASE WITHOUT THE WRITTEN PERMISSION OF LL&J.

DATE: 1/10/2023  
DRAWN BY: CKD  
CHECKED BY: JEL

SHEET TITLE  
**STRUCTURAL DETAILS**

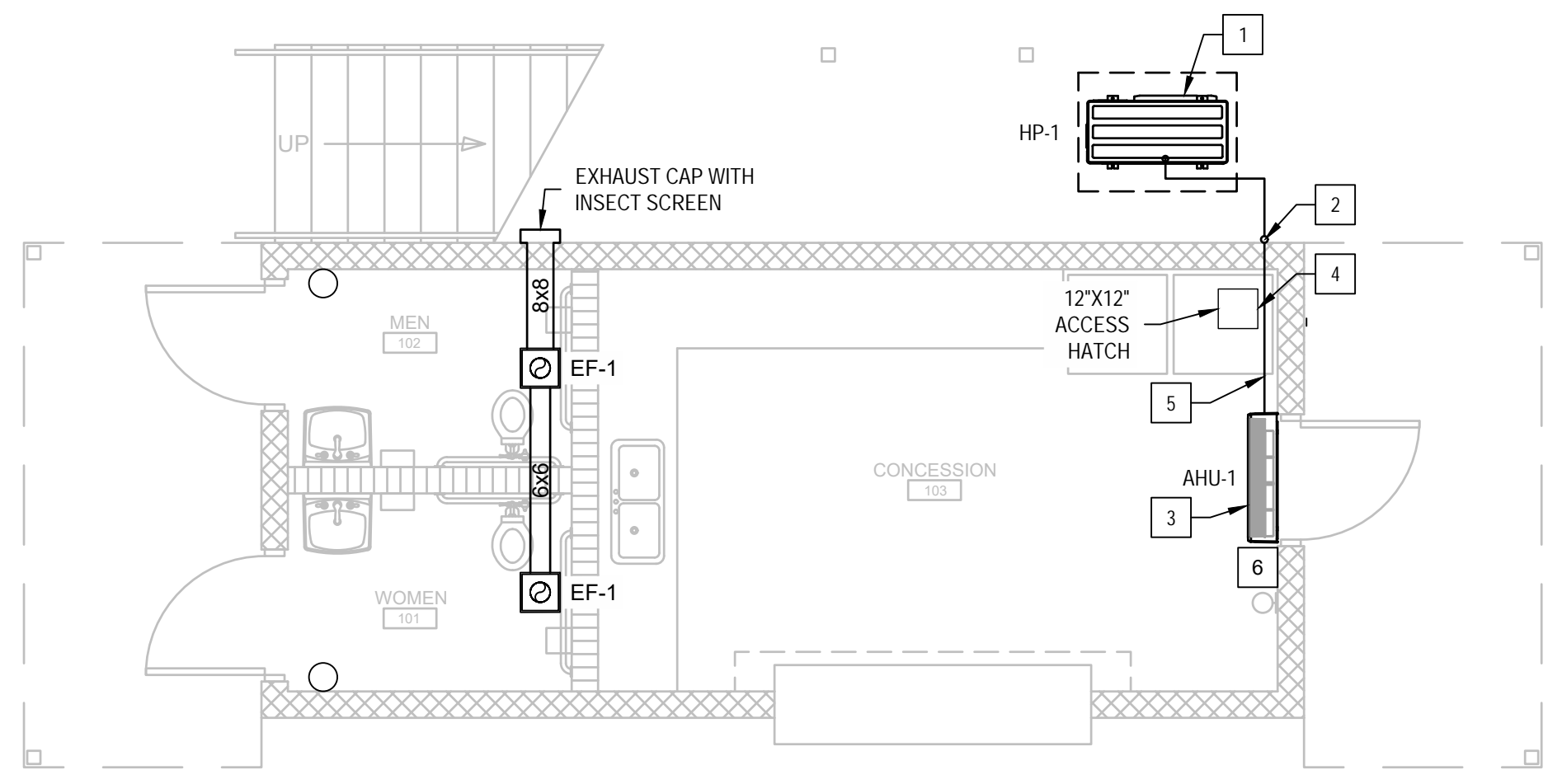
SHEET NUMBER  
**S-502**  
PROJECT# 21-11110

C:\Users\Corcos-Ll&J\OneDrive\Projects\Harnett County Schools Press Box\Drawings\Harnett Central High Press Box\Arch\21-11110 Harnett Central Press Box.dwg, S-502 STRUCTURAL DETAILS, Corcos-Ll&J

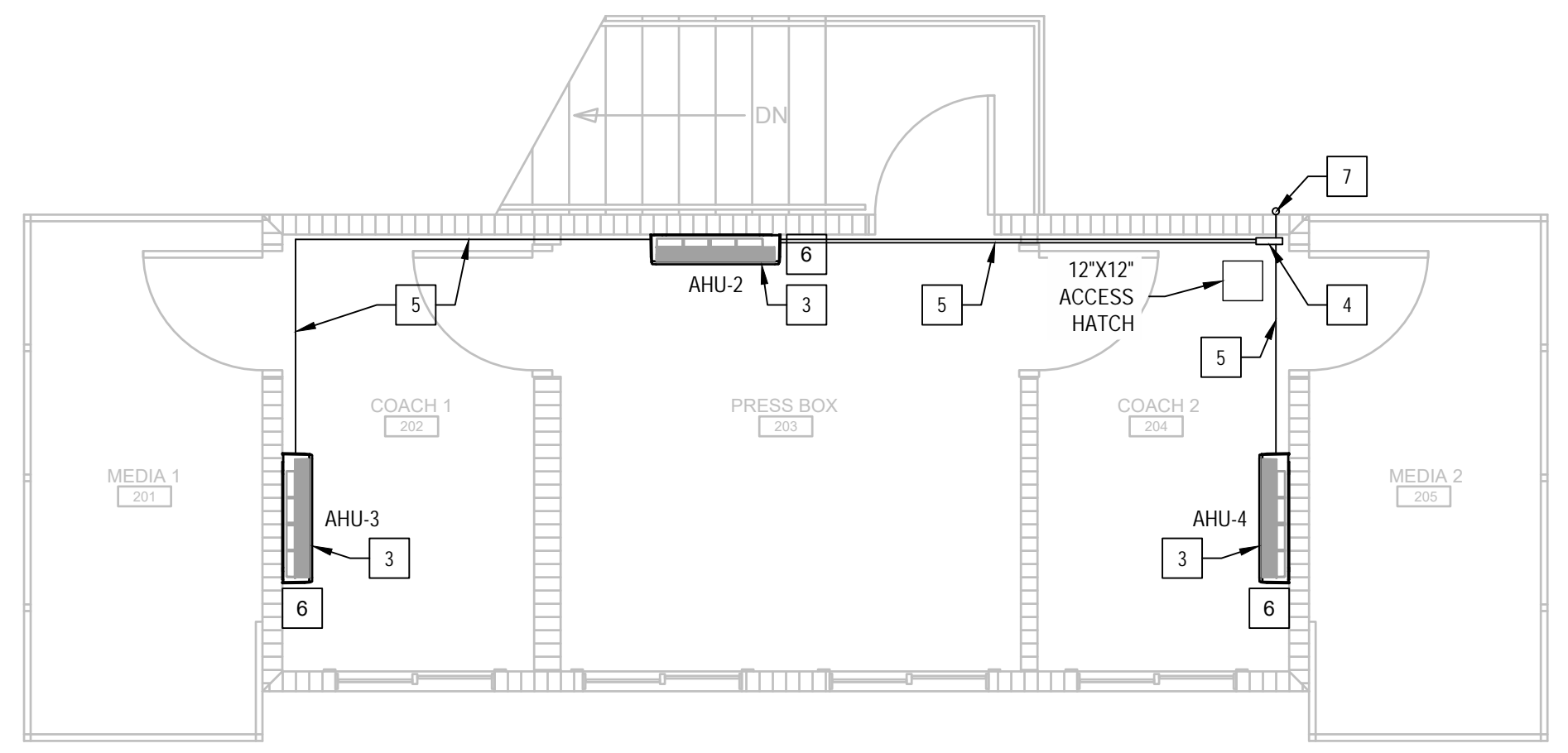




Printed: Thu 13-Apr-2023 - 01:18PM



**1 FIRST FLOOR MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"



**2 SECOND FLOOR MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

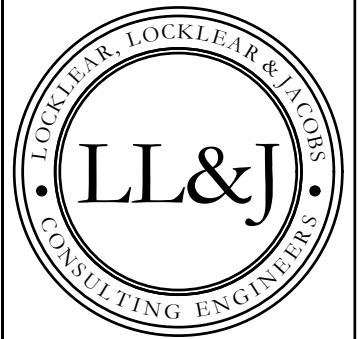
EQUIPMENT SCHEDULE										
TAG	MITSUBISHI MODEL #	DESCRIPTION	VOLT, $\phi$ , Hz	MCA	MOCP	AIRFLOW (CFM)	NOMINAL COOLING CAPACITY	NOMINAL HEATING CAPACITY @ 17°F	SEER	EER
HP-1	NTXMSM36A142AA	HEAT PUMP	208-230, 1, 60	29	40	N/A	36,000 BTU/H	26,400 BTU/H	23	15
AHU-1,2	TPKFYP012LM140A	WALL MTD.	208-230, 1, 60	0.24	15	152-297	12,000 BTU/H	13,500 BTU/H	N/A	N/A
AHU-3,4	TPKFYP008LM140A	WALL MTD.	208-230, 1, 60	0.24	15	141-237	8,000 BTU/H	9,000 BTU/H	N/A	N/A

- NOTES:
- EQUIPMENT AS MANUFACTURED BY MITSUBISHI OR APPROVED EQUAL BY FUJITSU / LG / CARRIER.
  - LINE SET COVERS AS MANUFACTURED BY DIVERSITECH OR EQUAL BY RECTORSEAL / FORTRESS.
  - HARD WIRED THERMOSTATS FOR FOR EACH AREA (TOTAL OF 4 WIRED THERMOSTATS).
  - REFRIGERANT LINES TO BE HARD COPPER, REFRIGERANT LINE SIZING PER MANUFACTURER'S GUIDELINES.
  - AHU'S 2,3,4 TO REQUIRE CONDENSATE PUMP.

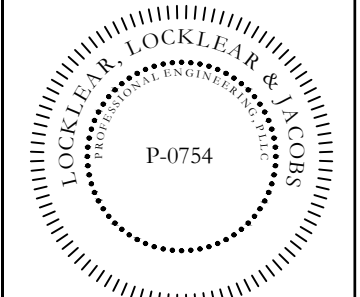
EXHAUST FAN SCHEDULE								
TAG	MAKE	MODEL	MOUNTING TYPE	CFM	EXT STATIC AT MAX FLOW (IN. WG)	MAX INPUT WATTS	AMPS	NOTES
EF-1	BROAN/NUTONE	765H80L	CEILING	80	.25	1300	12.5	FAN WITH 1300W HEATER

- NOTES:
- ACCEPTABLE ALTERNATE MANUFACTURES ARE BROAN AND PENN.
  - PROVIDE FAN WITH INSULATED HOUSING, FLEXIBLE DUCT CONNECTORS AND GRAVITY BACK DRAFT DAMPER.

- KEY NOTES:
- HEAT PUMP-1 (INSTALLED ON 4" CONCRETE PAD). COORDINATE LOCATION WITH OWNER/ENGINEER.
  - LINE SET TO TRANSITION UP EXTERIOR WALL TO THE FIRST LEVEL AND PENETRATE EXTERIOR WALL BELOW CEILING(COORDINATE LOCATION).
  - AHU (WALL MOUNTED). COORDINATE LOCATION WITH OWNER/ENGINEER.
  - BRANCH JOINT ABOVE ACCESS HATCH. COORDINATE LOCATION WITH OWNER/ENGINEER.
  - LINE SET(S) TO BE INSTALLED TIGHT AGAINST CEILING/WALL IN LINE SET COVER. LINE SET COVER TO CONTAIN ALL LINE SET(S), POWER, CONTROL, AND CONDENSATE. CONTRACTOR TO ENSURE LINE SET COVERS ARE ADEQUATELY SIZED.
  - INSTALL 7 DAY PROGRAMMABLE THERMOSTAT(TO BE MOUNTED ON THERMAL BLOCK). COORDINATE LOCATION WITH OWNER/ENGINEER.
  - LINE SET TO TRANSITION UP EXTERIOR WALL TO THE SECOND LEVEL AND PENETRATE EXTERIOR WALL BELOW CEILING(COORDINATE LOCATION).



P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910)774-9306  
FAX: (866)649-7235



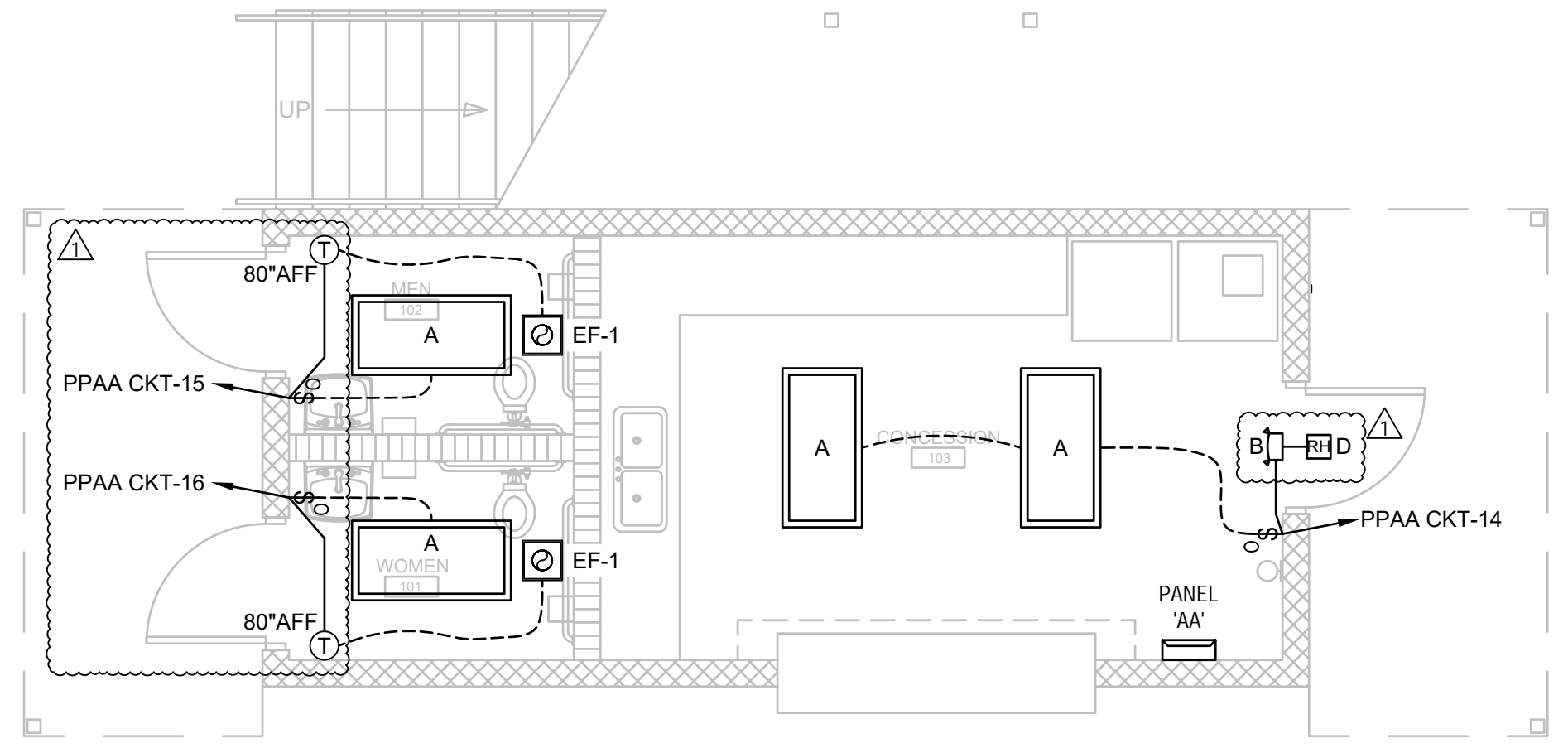
PROJECT INFORMATION:  
**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

REVISION	DATE	DESCRIPTION
1	4/13/2023	EXHAUST FAN MODEL CHANGED

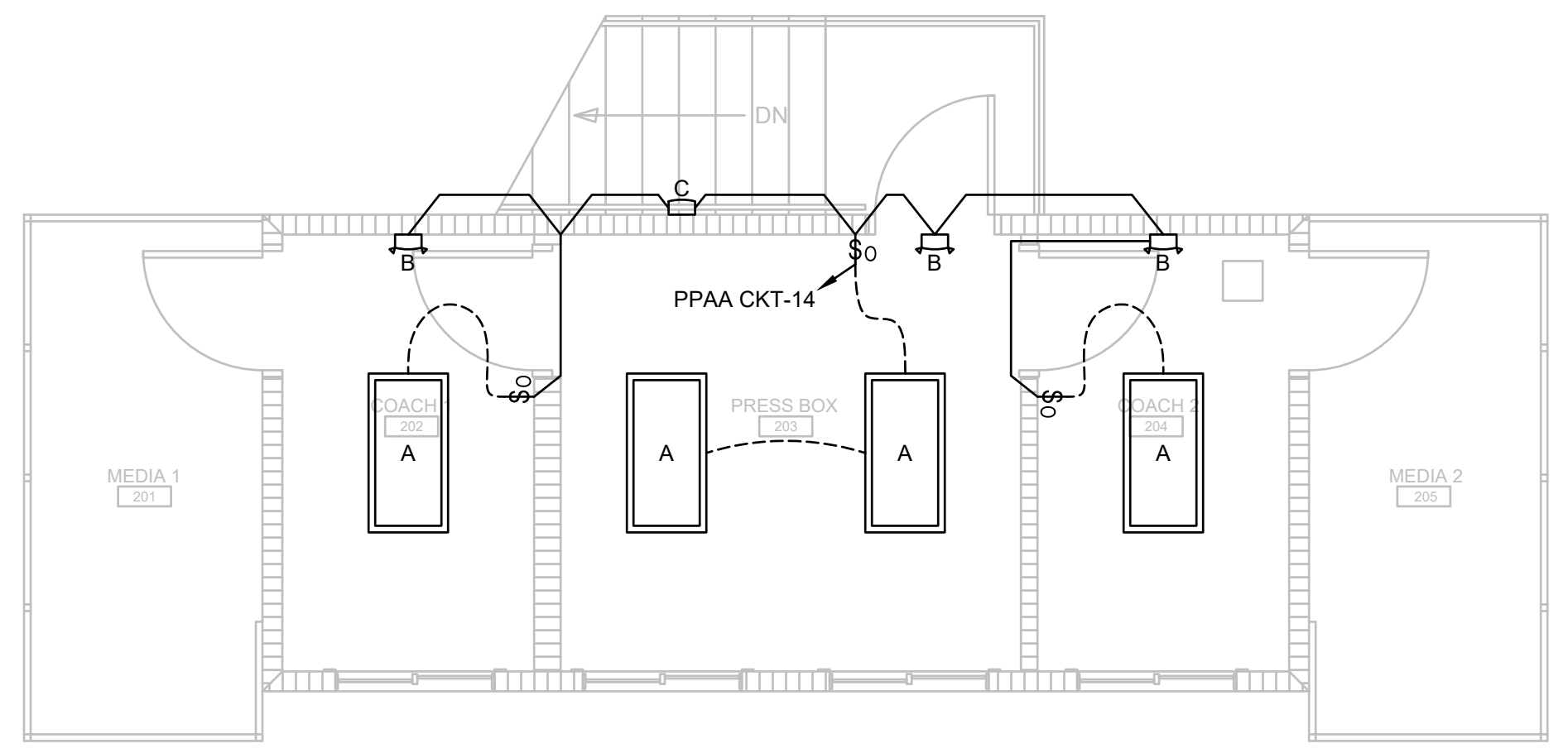
DATE: 1/10/2023  
DRAWN BY: CKD  
CHECKED BY: RL  
SHEET TITLE: MECHANICAL PLAN  
SHEET NUMBER: M-101  
PROJECT#: 21-11110

C:\Users\CARLOS-1\AppData\Local\Temp\Publsh\_22680\21-11110 Harnett Central Press Box MEP (CKD).dwg, M-101 MECHANICAL PLAN, Carlos-LL&

Printed: Thu 13-Apr-2023 01:18PM



1 FIRST FLOOR ELECTRICAL LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR ELECTRICAL LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE							
TAG	DESCRIPTION	MOUNTING	VOLTS / WATTS	LUMENS	LAMP TYPE	MANUFACTURER	MODEL #
A	2'X4' LED LIGHT FIXTURE	SURFACE	120V / 42W	4550	LED	COOPER	24FP4740C
B	EMERGENCY LIGHT	WALL	120V / 1W	N/A	LED	COOPER	CU2-LED
C	OUTDOOR EMERGENCY LIGHT	WALL	120V / 2W	300	LED	COOPER	SELDWA50
D	REMOTE HEAD	WALL	1W	N/A	LED	COOPER	APWR1

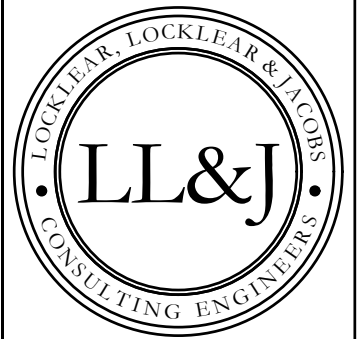
- NOTES:
1. LIGHT FIXTURES TO BE MANUFACTURED BY COOPER, LITHONIA OR METALUX.
  2. ALL LIGHTING FIXTURES SHALL BE U.L. LISTED.
  3. VERIFY ALL MOUNTING HEIGHTS WITH PRIOR TO ROUGH-IN.
  4. COORDINATE ALL COLORS/FINISH OPTIONS OF LIGHT FIXTURES WITH THE OWNER/ENGINEER PRIOR TO PURCHASING.
  5. ALL LIGHTING FIXTURES INDICATED WITHIN THE LIGHTING FIXTURE SCHEDULE SHALL BE PROVIDED WITH ALL REQUIRED MOUNTING HARDWARE, CONNECTORS AND ANY OTHER NEEDED FIXTURE OPTIONS FOR A COMPLETE AND OPERATIONAL INSTALLATION AS INTENDED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED COMPONENTS AT NO ADDITIONAL COST TO THE OWNER.
  6. THE E.C. SHALL COORDINATE CLOSELY WITH THE ENGINEER AND/OR GENERAL CONTRACTOR FOR THE DESIRED MOUNTING METHODS OF THE LED LIGHT FIXTURES IN ALL LOCATIONS OF THE BUILDING AS SHOWN ON THE PLANS. THE E.C. SHALL COORDINATE AND VERIFY THE EXACT LOCATIONS FOR THE POWER SUPPLY (LOW-VOLTAGE TRANSFORMERS) WITH THE ENGINEER AND/OR GENERAL CONTRACTOR PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED TO MOUNT THESE FIXTURES AS DIRECTED BY THE ENGINEER.
  7. ALL LIGHT SWITCH COVER PLATES TO BE STAINLESS STEEL.

ELECTRICAL SYMBOL LEGEND	
Ⓢ	WALL MOUNTED OCCUPANCY SENSOR
Ⓢ	WALL MOUNTED THERMOSTAT
Ⓢ	100A, SINGLE PHASE 208V, PANEL 'AA'
Ⓢ	OUTDOOR EMERGENCY LIGHT
Ⓢ	EMERGENCY LIGHT
Ⓢ	2'X4' LED LIGHT FIXTURE
Ⓢ	EXHAUST FAN

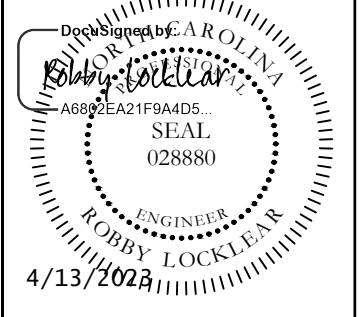
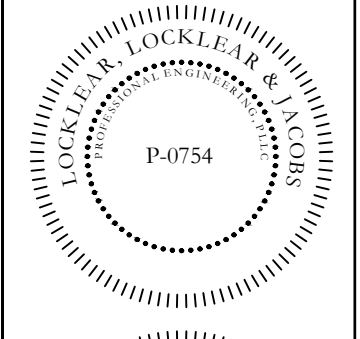
TYPICAL DEVICE MOUNTING HEIGHT	
RECEPTACLES	18" AFF
LIGHT SWITCHES	48" AFF
EXIT SIGNS	NOTE 3
EMERGENCY LIGHTS	7'-6" AFF
DATA OUTLETS	18" AFF

NOTES:

1. DIMENSIONS ARE TO DEVICE CENTERLINE UNLESS OTHERWISE NOTED.
2. REFER TO POWER SYMBOLS FOR ADDITIONAL DEVICE MOUNTING REQUIREMENTS.
3. WHERE SHOWN WALL MOUNTED, EXIT SIGNS SHALL BE MOUNTED 8'-0" AFF OR 1' ABOVE DOOR TO CENTER LINE OF FIXTURE UNLESS OTHERWISE NOTED.



P.O. BOX 3119  
PEMBROKE, NC 28372  
TELEPHONE: (910)774-9306  
FAX: (866)649-7235



**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
2911 HARNETT CENTRAL RD  
ANGIER, NC 27501

PROJECT INFORMATION:

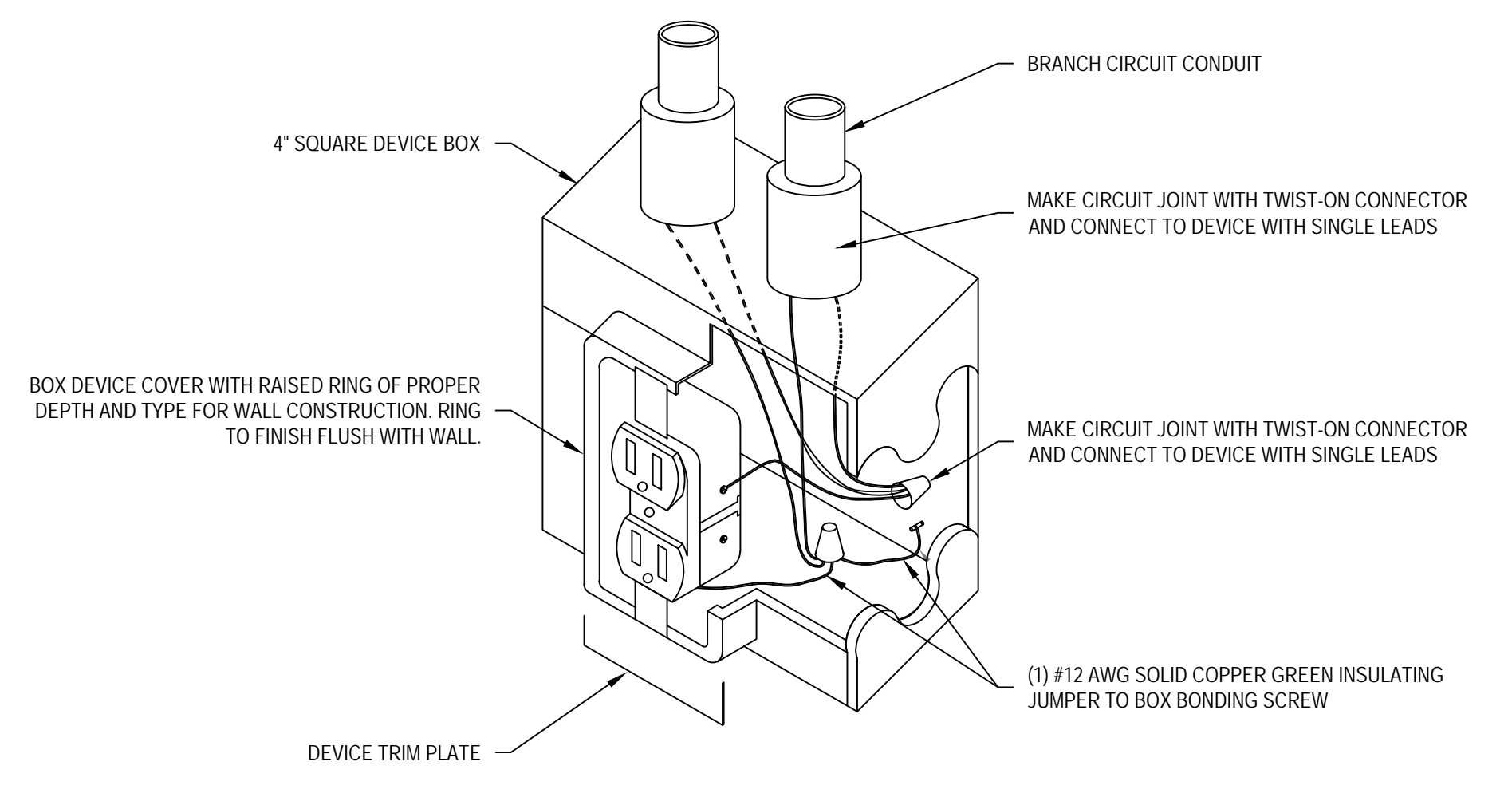
REV#	DATE	DESCRIPTION
1	4/12/2023	EXT FAN CHANGED, CONCESSIONS DIER, LOT RELOCATED AND REMOTE ID ADDED.
2		
3		
4		
5		

2023 COPYRIGHT BY LL&J. THIS DRAWING MAY NOT BE COPIED, REUSED OR PUT INTO AN ELECTRONIC DATABASE WITHOUT THE WRITTEN PERMISSION OF LL&J.

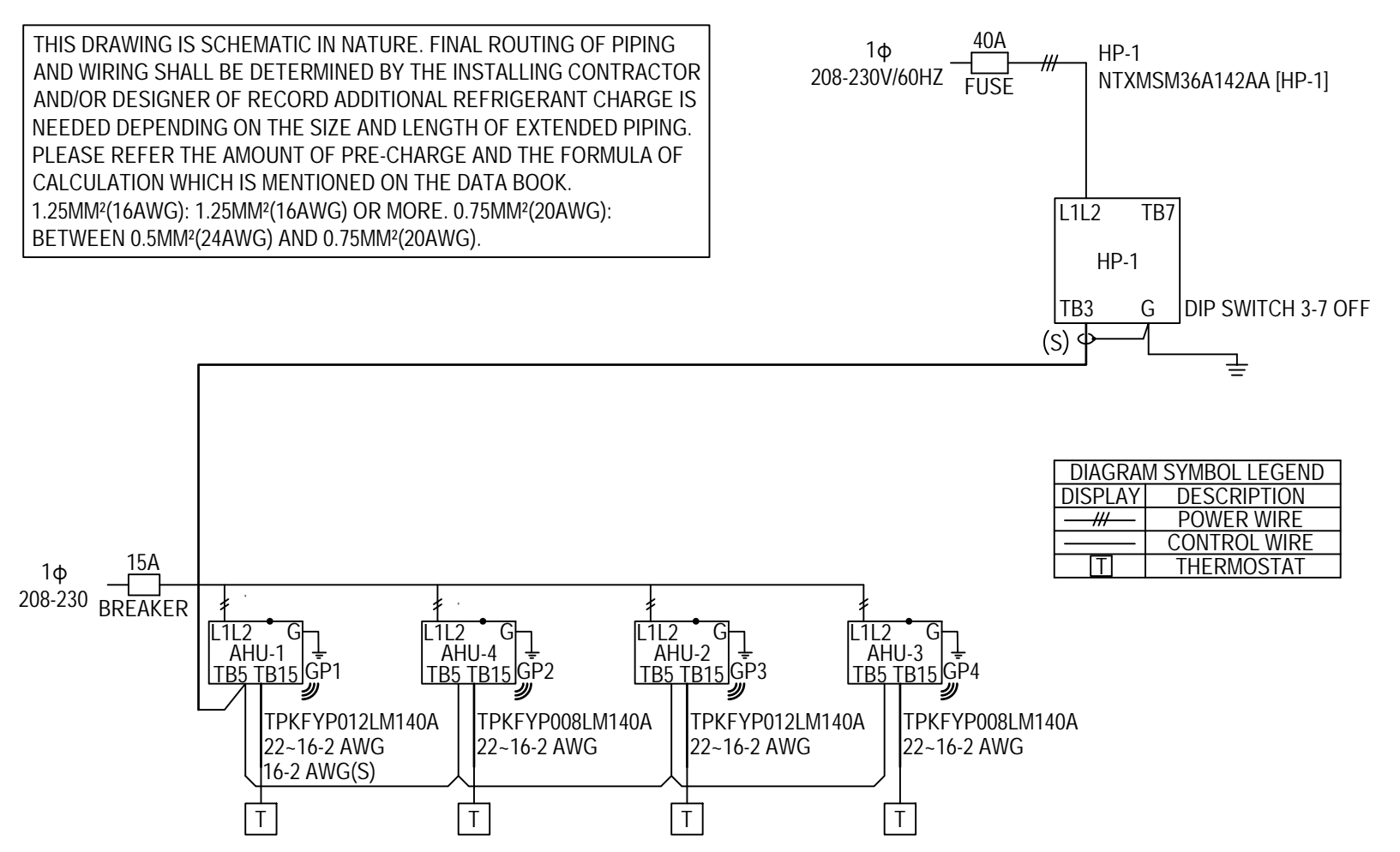
DATE: 1/10/2023  
DRAWN BY: CKD  
CHECKED BY: RL

SHEET TITLE  
**ELECTRICAL LIGHTING PLAN**  
SHEET NUMBER  
**E-201**  
PROJECT# 21-1110

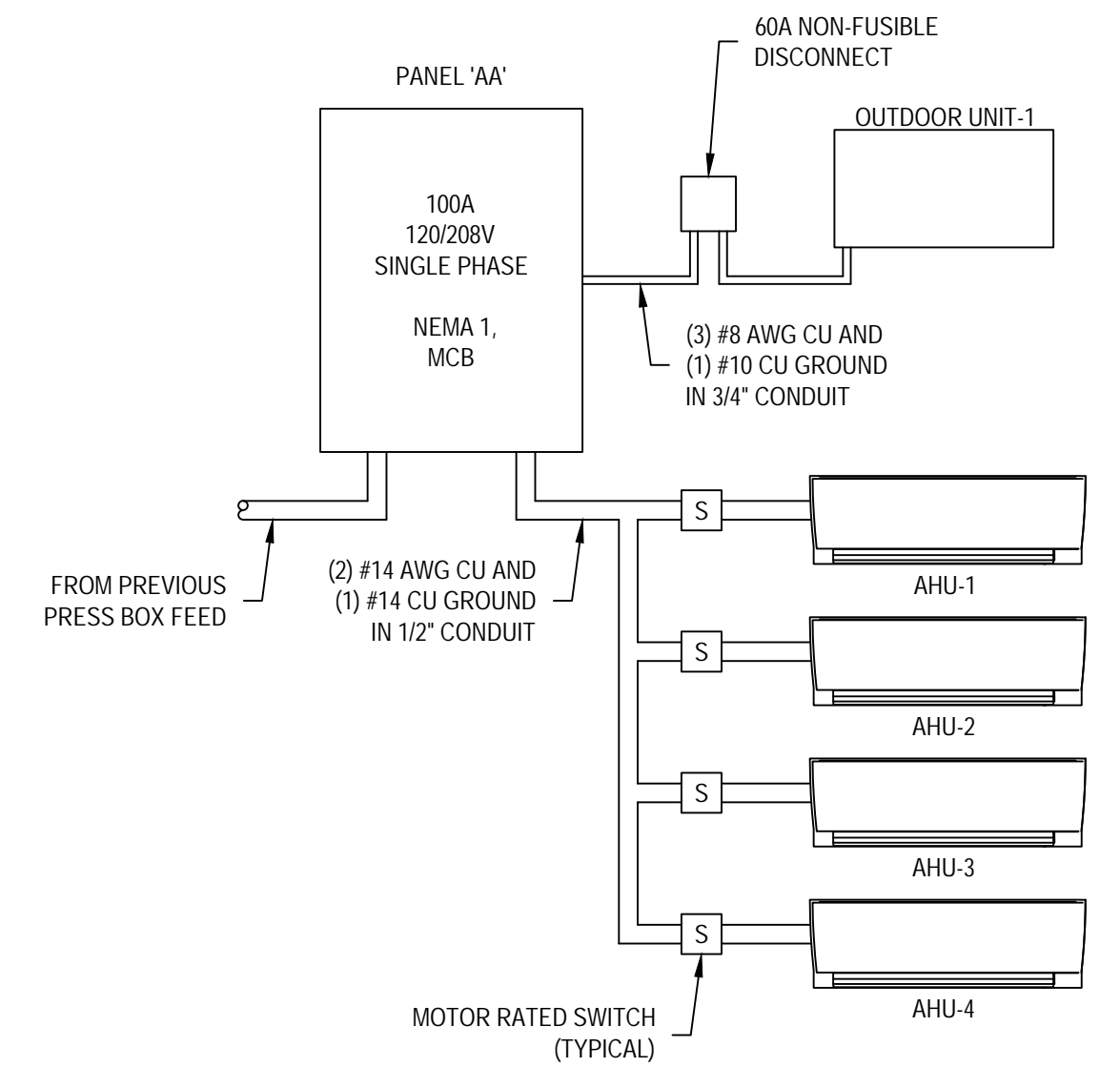
Printed: Thu 13-Apr-2023 01:18PM



1 RECEPTACLE GROUNDING DETAIL  
NTS



2 TYPICAL DUCTLESS SYSTEM SCHEMATIC DETAIL  
NTS



3 ELECTRICAL RISER DIAGRAM  
NTS

MN WIRE SIZE	PANEL 'AA'										GROUND BAR NEUTRAL		MN WIRE SIZE
	100 AMP 1-PHASE MAIN BREAKER												
SIZE	DESCRIPTION	Watts	Bkr.	#	Leg 'A'	Leg 'B'	#	Bkr.	Watts	DESCRIPTION		SIZE	
8	HEAT PUMP-1	3640	40	1	4140	4140	2	20	500	REFRIGERATOR		12	
		3640		3			4	20	500	REFRIGERATOR		12	
12	FIRST FLOOR RECP.	360	20	5	720	720	6	20	360	FIRST FLOOR RECP.		12	
8	WATER HEATER	4160	40	7	4520	4520	8	20	360	COMM BOARD		12	
		4160		9	4160.5	4160.5	10	15	0.5	AIR HANDLER UNITS		12	
12	SECOND FLOOR RECP.	540	20	11	540.5	540.5	12	15	0.5	AIR HANDLER UNITS		12	
12	SECOND FLOOR RECP.	540	20	13	915	915	14	20	375	LIGHTS		12	
12	MENS RR	1500	20	15	3000	3000	16	20	1500	WOMEN RR		12	
				17	0	0	18						
				19	0	0	20						
				21	0	0	22						
				23	0	0	24						
TOTAL Watts Leg 'A'					9935.5					Total Watts 22136			
TOTAL Watts Leg 'B'					12200.5					Total Watts 22136			

BUILDING TOTAL LOADS			
TOTAL Watts Leg 'A'	9935.5	SERVICE ENTRANCE	100 AMPS
TOTAL Watts Leg 'B'	12201	CONDUCTOR SIZE	3 AWG
TOTAL WATTS	22136	GROUND SIZE	6 AWG
TOTAL AMPS	92.23	CONDUIT SIZE	1 1/2 INCH

4 PANEL 'AA' SCHEDULE  
NTS

**HARNETT CENTRAL PRESS BOX**  
**HARNETT COUNTY SCHOOLS**  
 2911 HARNETT CENTRAL RD  
 ANGIER, NC 27501

REVISION - DATE - DESCRIPTION:	1. 4/12/2023	PANEL SCHEDULE UPDATED
DATE:	1/10/2023	
DRAWN BY:	CKD	
CHECKED BY:	RL	
SHEET TITLE:	ELECTRICAL DETAILS	
SHEET NUMBER:	E-301	
PROJECT#	21-1110	

G:\Users\CARLOS-1\AppData\Local\Temp\Publish\_22880\21-1110 Harnett Central Press Box MEP (CKD).dwg, E-301 ELECTRICAL DETAILS, Carlos-LL&J