

Structural Alteration for:

# City of Wilson

129 Tarboro Sreet Wilson, NC 27893

## 2018 APPENDIX B BUILDING CODE SUMMARY

## SHEET INDEX

Name of Project: Structural Alteration for City of Wilson  
 Address: 129 Tarboro Street Zip Code: 27893  
 Owner or Authorized Agent: City of Wilson Phone # 919-252-3990 E-Mail: robert@bartletteng.com  
 Owned By:  City / County  Private  State  
 Code Enforcement Jurisdiction:  City Wilson  County  State

**CONTACT:** Robert Bartlett

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Building	Bartlett Engineering & Surveying, PC	Robert S. Bartlett	20106	252.399.0704	robert@bartletteng.com
Civil					
Electrical					
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler-Standpipe					
Struct. - Metal Bldg.					
Struct. - Framing	Bartlett Engineering & Surveying, PC	Robert S. Bartlett	20106	252.399.0704	robert@bartletteng.com
Structural - Fnd.					
Other					

2018 NC BUILDING CODE:  New Building  Addition  Renovation  
 1st Time Interior Completion  
 Shell/Close completion only - (Contact the local inspection jurisdiction for possible additional procedures and requirements.)  
 Phased Construction - (Contact the local inspection jurisdiction for possible additional procedures and requirements.)

2018 NC EXISTING BUILDING CODE:  Prescriptive  Repair  Chapter 14  
 Alteration:  Change of Use  Historic Property

CONSTRUCTED: (date) \_\_\_\_\_ CURRENT USE: (Ch. 3) BUSINESS  
 RENOVATED: (date) \_\_\_\_\_ PROPOSED USE: (Ch. 3) BUSINESS  
 RISK CATEGORY: (Table 1604.5) Current:  I  II  III  IV  
 Proposed:  I  II  III  IV

**BASIC BUILDING DATA**  
 Construction Type:  I-A  I-B  I-C  I-D  I-E  I-F  I-G  I-H  I-I  I-J  I-K  I-L  I-M  I-N  I-O  I-P  I-Q  I-R  I-S  I-T  I-U  I-V  I-W  I-X  I-Y  I-Z

Sprinklers:  NO  Partial  YES  NFPA 11  NFPA 13R  NFPA 13  NAPA 13D

Standpipes:  NO  YES  Class:  I  II  III  Wet  Dry

Fire District:  NO  YES  Flood Hazard Area:  No  YES

Special Inspections Required:  NO  YES (Contact the local inspection jurisdiction for possible additional procedures and requirements.)

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
5th Floor			
4th Floor			
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor	+/-2,800		+/-2,800
Basement			
TOTAL:	+/-2,800		+/-2,800

**ALLOWABLE AREA**  
 Primary Occupancy Classification(s): (check all that apply.)  
 Assembly (303)  A-1  A-2  A-3  A-4  A-5  
 Business (304)  B-1  B-2  B-3  B-4  B-5  
 Educational (305)  E-1  E-2  E-3  E-4  E-5  
 Factory (306)  F-1 Moderate  F-2 Low  
 Hazardous (307)  H-1 Detonate  H-2 Deflagrate  H-3 Combust  H-4 Health  H-5 HPM  
 Institutional (308)  I-1  I-2  I-3  I-4  I-5  
 I-3 Condition  1  2  3  4  5  
 Mercantile (309)  M-1  M-2  M-3  M-4  
 Residential (310)  R-1 Moderate  R-2 Low  High-Rise  
 Storage (311)  S-1 Moderate  S-2 Low  High-Piled  
 Parking Garage  Open  Enclosed  Repair Garage  
 Utility and Misc. (312)  U-1  U-2  U-3  U-4  U-5

Accessory Occupancy Classification(s): BUSINESS  
 Incidental Use: (Table 509)  
 Special Uses: (Chapter 4 - List Code Sections)  
 Special Provisions: (Chapter 5 - List Code Sections)  
 Mixed Occupancy:  NO  YES Separation: \_\_\_\_\_ Hour Exception: \_\_\_\_\_  
 Non-Separated Mixed Occupancy (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 occupancy in the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.  
 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.  

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.0$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2* AREA	(C) AREA FOR FRONTAGE INCREASE**	(D) ALLOWABLE AREA PER STORY OR UNLIMITED**
1	B - BUSINESS	+/-2,800	9,000		

\*Frontage area increases from Section 506.3 are computed thus:  
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = \_\_\_\_\_ (F)  
 b. Total Building Perimeter = \_\_\_\_\_ (P)  
 c. Ratio (F/P) = \_\_\_\_\_ (R)  
 d. W = Minimum width of public way = \_\_\_\_\_ (W)  
 e. Percent of frontage increase:  $J = 100 [1 - 0.25R + W/30] - 100$  (%)  
 \*\*Unlimited area applicable under conditions of Section (507)  
 \*\*\*Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).  
 \*\*\*\*The maximum area of open parking garages must comply with Table 406.5.4.  
 \*\*\*\*\*Frontage increase is based on the unspinklered area value in Table 506.2.

ALLOWABLE HEIGHT	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) <sup>2</sup>	40'	<35'	
Building Height in Stories (Table 504.4) <sup>3</sup>	1	1	

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.  
 2 The maximum height of air traffic control towers must comply with Table 412.3.1.  
 3 The maximum height of open parking garages must comply with Table 406.5.4.

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
		REQUIRED	PROVIDED (W/ Q + REDUCTION)				
Structural frame, including columns, girders, trusses							
Bearing walls							
Exterior							
Interior							
Nonbearing walls and partitions							
Exterior							
Interior							
Floor Construction							
Including supporting beams and joists							
Floor Ceiling assembly							
Column Supporting Floor							
Roof Construction							
Including supporting beams and joists							
Roof Ceiling assembly							
Column Supporting Roof							
Shafts Enclosures - Exit							
Shafts Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/Sleeping Unit Separation							
Incidental Use Separation							

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 (%)
N/A	N/A	N/A	N/A

**LIFE SAFETY SYSTEM REQUIREMENTS**  
 Emergency Lighting:  No  Yes  
 Exit Signs:  No  Yes  
 Fire Alarm:  No  Yes Automatic Sprinkler System  
 Smoke Detection System:  No  Yes  Partial, HVAC UNITS ≤ 5.0 TONS  
 Carbon Monoxide Detection:  No  Yes

**LIFE SAFETY PLAN REQUIREMENTS**  
 Life Safety Plan Sheet #: N/A  
 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 (1003.3)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated flooring and/or roof structure is provided for purposes of occupancy separation  
 Location of doors with panic hardware (1010.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 Location of doors with electromagnetic egress locks (1010.1.9.9)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1030)  
 The square footage of each fire area (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 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 EXISTING (SECTION 1106)				
LOT OR PARKING AREA DESIGNATION	TOTAL # PARKING SPACES REQUIRED	PROVIDED	# ACCESSIBLE SPACES PROVIDED WITH 132" ACCESSIBLE SPACES	# ACCESSIBLE SPACES PROVIDED
TOTAL				

PLUMBING FIXTURE REQUIREMENTS EXISTING (TABLE 2902.1)										
USE	WATER CLOSETS			LAVATORIES			SERVICE SINK		DRINKING FOUNTAINS	
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE
EXISTING										
NEW										
REQUIRED										

**SPECIAL APPROVALS**  
 Special approval: (Local jurisdiction, Department of Insurance, OIG, DPB, DHR, ICC, etc., describe below)

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

Existing building envelope complies with code:  NO  YES  
 Exempt Building:  NO  YES (Provide code or statutory reference)  
 Climate Zone:  3A  4A  5A  
 Method of Compliance: Energy Code  Prescriptive  Performance  
 ASHRAE 90.1  Prescriptive  Performance

**MECHANICAL SUMMARY EXISTING**  
 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  
 Equipment Schedules with Motors (mechanical systems)  
 Motor horsepower \_\_\_\_\_  
 Number of phases \_\_\_\_\_  
 Minimum efficiency \_\_\_\_\_  
 Motor type \_\_\_\_\_  
 # of poles \_\_\_\_\_

**ELECTRICAL SUMMARY EXISTING**  
 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 \_\_\_\_\_  
 R-value of insulation \_\_\_\_\_  
 Number of lamps in fixture \_\_\_\_\_  
 Ballast type used in fixture \_\_\_\_\_  
 Number of ballasts in fixture \_\_\_\_\_  
 Total wattage per fixture \_\_\_\_\_  
 Total interior wattage specified -vs- allowed \_\_\_\_\_  
 Total exterior wattage specified -vs- allowed \_\_\_\_\_  
 Additional Prescriptive Compliance  
 C400.2 More Efficient HVAC Equipment Performance  
 C400.3 Reduced Lighting Power Density  
 C400.4 Enhanced Digital Lighting Controls  
 C400.5 On-Site Renewable Energy  
 C400.6 Dedicated Outdoor Air System  
 C400.7 Reduced Energy Use in Service Water Heating

**ACCESSIBLE DWELLING UNITS (SECTION 1107)**  
 TOTAL UNITS \_\_\_\_\_  
 ACCESSIBLE UNITS REQUIRED \_\_\_\_\_  
 ACCESSIBLE UNITS PROVIDED \_\_\_\_\_  
 TYPE A UNITS REQUIRED \_\_\_\_\_  
 TYPE A UNITS PROVIDED \_\_\_\_\_  
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 TOTAL ACCESSIBLE UNITS PROVIDED \_\_\_\_\_

**ACCESSIBLE PARKING EXISTING (SECTION 1106)**  
 LOT OR PARKING AREA DESIGNATION \_\_\_\_\_  
 TOTAL # PARKING SPACES REQUIRED \_\_\_\_\_  
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 # ACCESSIBLE SPACES PROVIDED WITH 132" ACCESSIBLE SPACES \_\_\_\_\_  
 # ACCESSIBLE SPACES PROVIDED \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**PLUMBING FIXTURE REQUIREMENTS EXISTING (TABLE 2902.1)**  
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 WATER CLOSETS: MALE \_\_\_\_\_ FEMALE \_\_\_\_\_ UNISEX \_\_\_\_\_  
 LAVATORIES: MALE \_\_\_\_\_ FEMALE \_\_\_\_\_ UNISEX \_\_\_\_\_  
 SERVICE SINK: \_\_\_\_\_  
 DRINKING FOUNTAINS: REGULAR \_\_\_\_\_ ACCESSIBLE \_\_\_\_\_

**DESIGN LOADS:**  
 Importance Factors: Wind (I<sub>w</sub>) \_\_\_\_\_  
 Snow (I<sub>s</sub>) \_\_\_\_\_  
 Seismic (I<sub>e</sub>) \_\_\_\_\_  
 Live Loads: Roof (live & snow) \_\_\_\_\_  
 Collapsed \_\_\_\_\_  
 Mezzanine \_\_\_\_\_  
 Floor \_\_\_\_\_  
 Ground Snow Load \_\_\_\_\_  
 Wind Load: Ultimate Wind Speed \_\_\_\_\_ Exposure Category \_\_\_\_\_ (ASCE-7)

**SEISMIC CATEGORY**  A  B  C  D  
 Provide the following Seismic Design Parameters:  
 Risk Category (Table 1604.5)  I  II  III  IV  
 Spectral Response Acceleration S<sub>s</sub> \_\_\_\_\_ S<sub>1</sub> \_\_\_\_\_ S<sub>2</sub> \_\_\_\_\_ S<sub>3</sub> \_\_\_\_\_  
 Site Classification (ASCE-7)  A  B  C  D  E  F  
 Data source:  Field Test  Presumptive  Historical Data

**LATERAL DESIGN CONTROL:**  
 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

**SOIL BEARING CAPACITIES:**  
 Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing Capacity \_\_\_\_\_ psf  
 Pile Size, Type, and Capacity \_\_\_\_\_

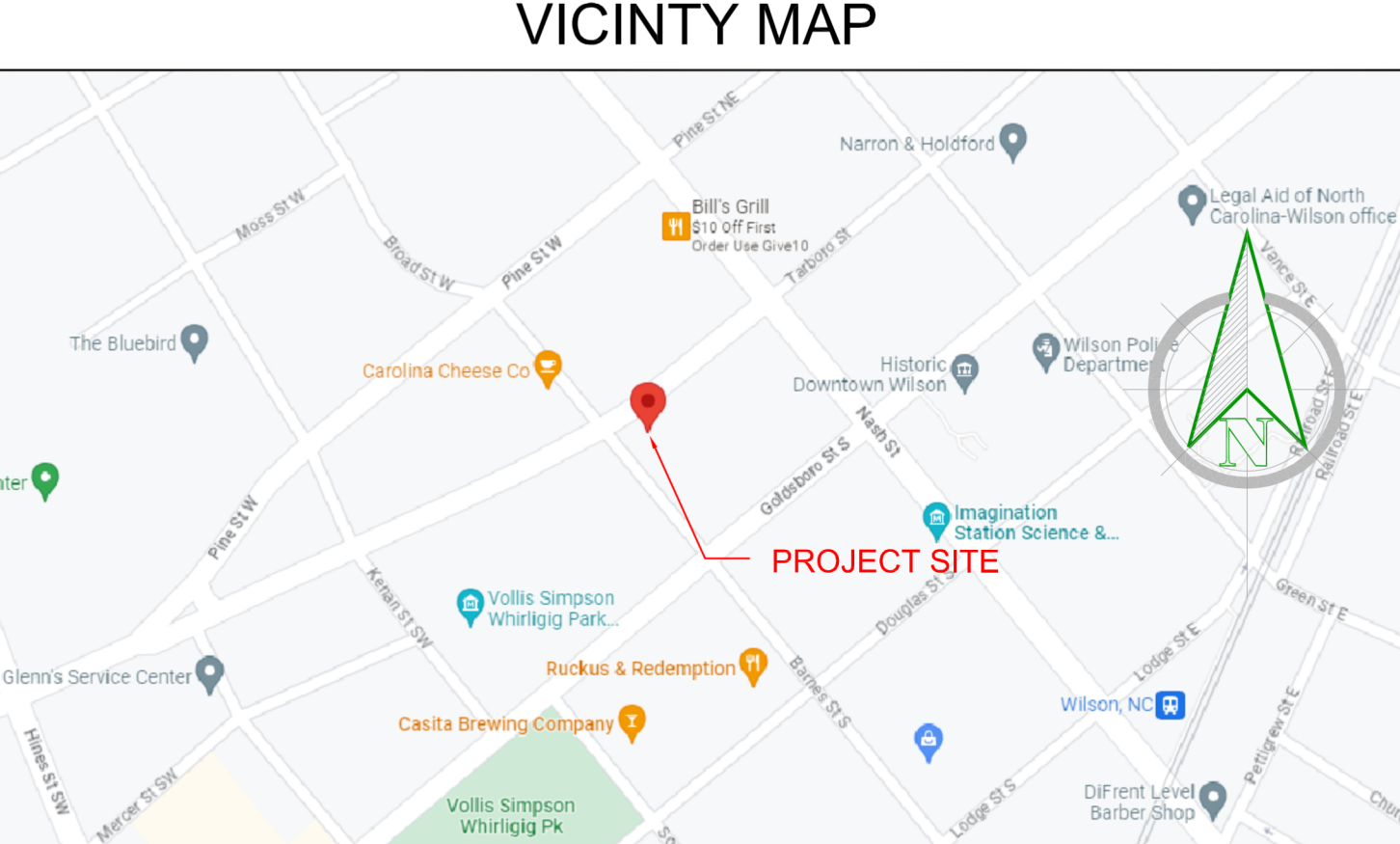
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 Equipment Schedules with Motors (mechanical systems)  
 Motor horsepower \_\_\_\_\_  
 Number of phases \_\_\_\_\_  
 Minimum efficiency \_\_\_\_\_  
 Motor type \_\_\_\_\_  
 # of poles \_\_\_\_\_

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 WATER CLOSETS: MALE \_\_\_\_\_ FEMALE \_\_\_\_\_ UNISEX \_\_\_\_\_  
 LAVATORIES: MALE \_\_\_\_\_ FEMALE \_\_\_\_\_ UNISEX \_\_\_\_\_  
 SERVICE SINK: \_\_\_\_\_  
 DRINKING FOUNTAINS: REGULAR \_\_\_\_\_ ACCESSIBLE \_\_\_\_\_



**BARTLETT ENGINEERING & SURVEYING, PC**  
 1906 Nash Street North  
 Wilson, NC 27893-1726  
 License # C-1551  
 V (252) 399-0704  
 F (252) 399-0804  
 www.bartletteng.com

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**DAWSON CONSTRUCTION SERVICES, INC.**  
 Planning ~ Management ~ General Construction  
 252-289-8304 Wilson, NC

**COVER**

CS-1 CODE SUMMARY / INDEX SHEET

**BUILDING**

B-1 PROPOSED FLOOR PLAN  
 B-2 BUILDING SECTIONS

**STRUCTURAL**

S-1 PROPOSED FRAMING PLAN  
 S-2 STRUCTURAL DETAILS

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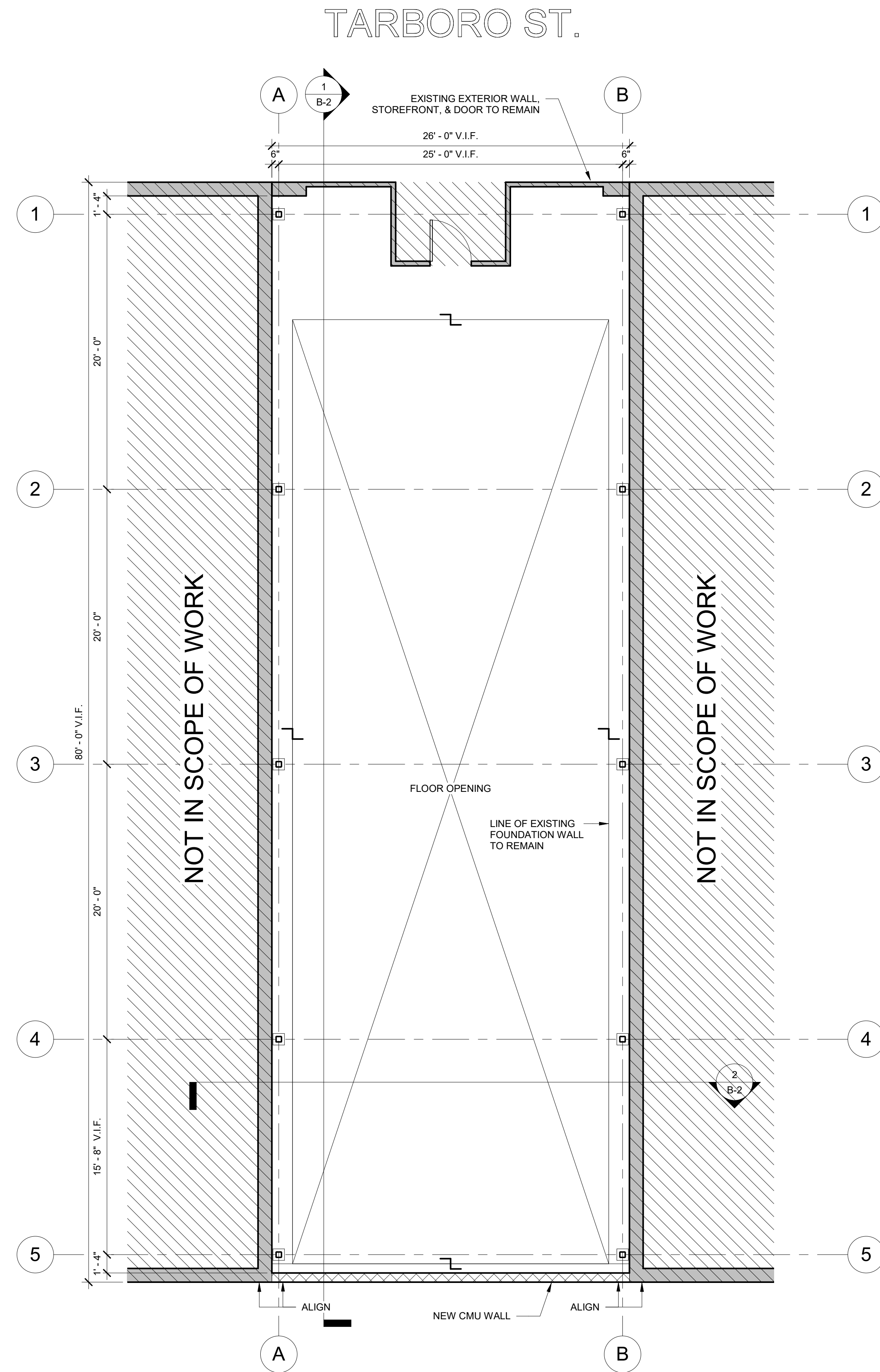
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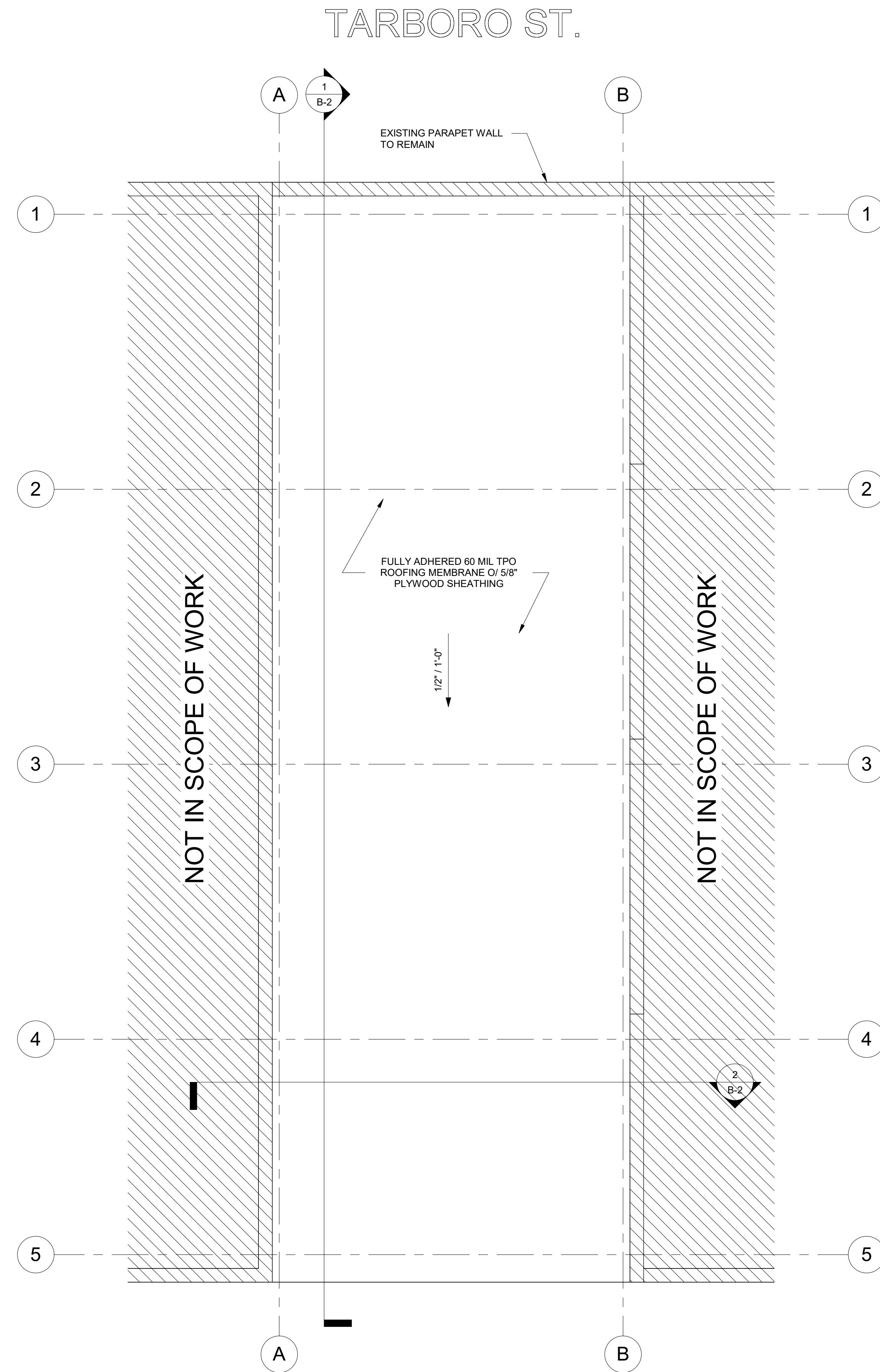
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 SERVICE SINK: \_\_\_\_\_  
 DRINKING FOUNTAINS: REGULAR \_\_\_\_\_ ACCESSIBLE \_\_\_\_\_

City of Wilson  
 P.O. BOX 10  
 Wilson, NC 27893

**BARTLETT ENGINEERING & SURVEYING, PC**



1 PROPOSED FLOOR PLAN  
3/16" = 1'-0"

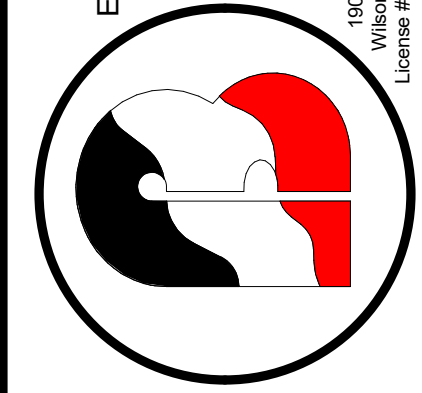


2 PROPOSED ROOF PLAN  
3/16" = 1'-0"

City of Wilson  
P.O. BOX 10  
Wilson, NC 27893

Owner:

**BARTLETT**  
ENGINEERING & SURVEYING, PC



V. 2521 1066 0074  
F. 2521 3906 0004  
www.bartletting.com  
1299 South Ocean View  
Wilson, NC 27893-1726  
License # C-1551

10/20/2023

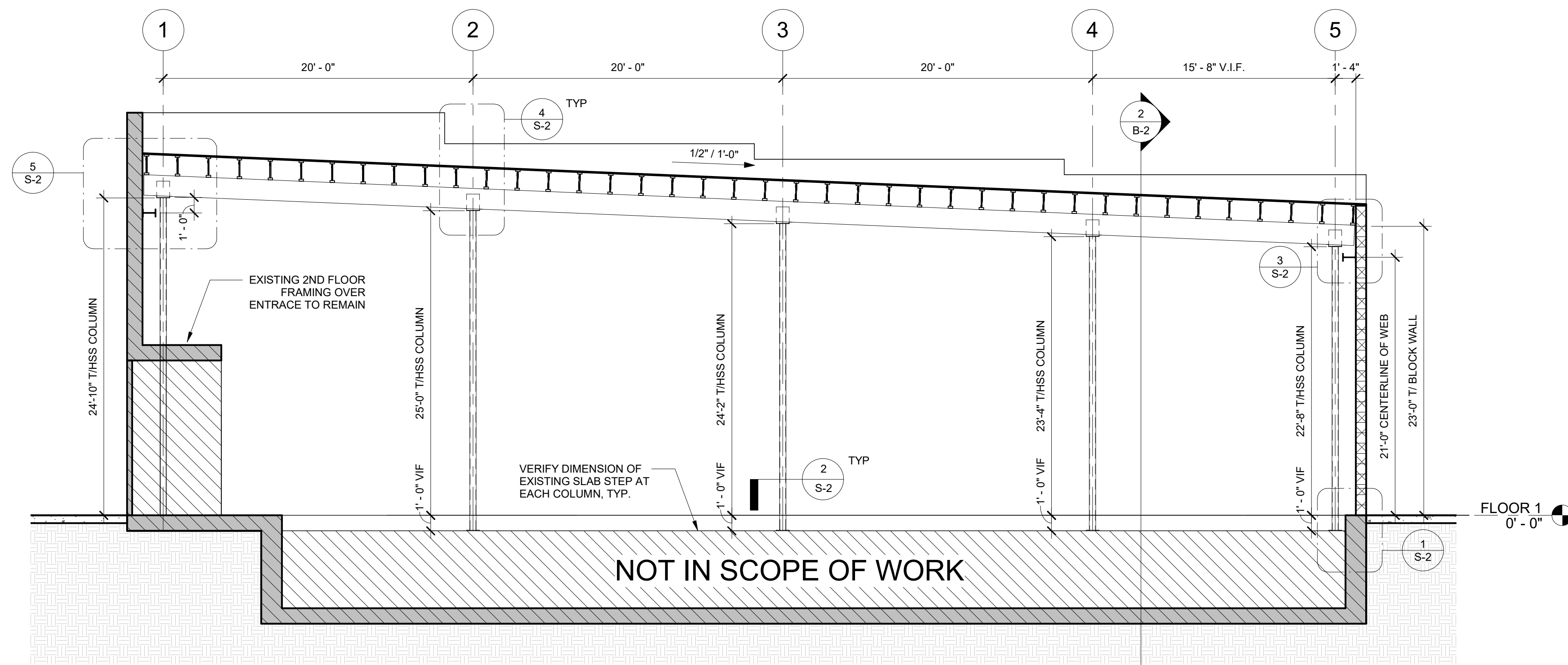
Rev.	Date:	Description:
1	10-10-23	AS PER CITY COMMENTS

Title Sheet: PROPOSED FLOOR PLAN

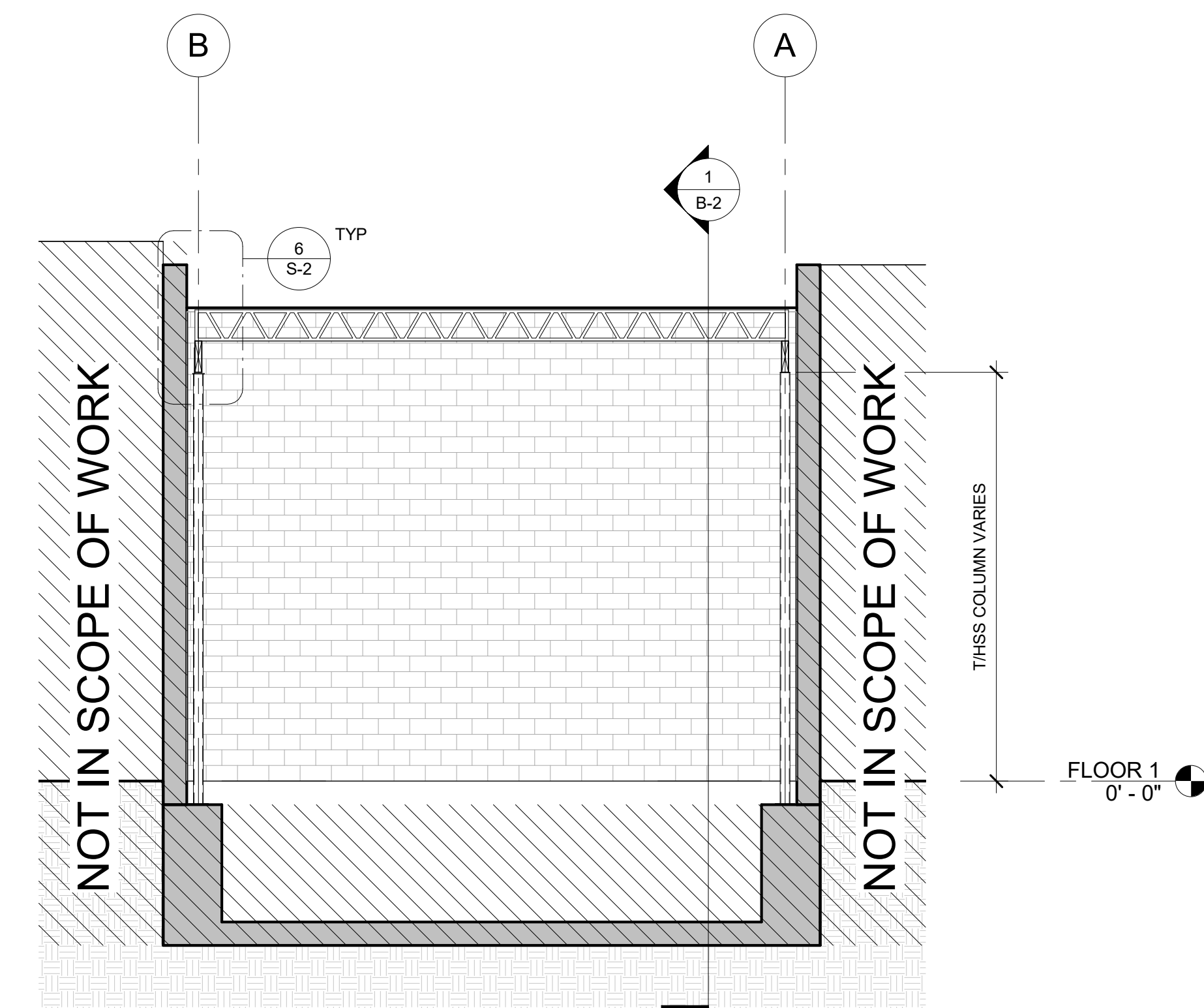
Project: 129 Tarboro Street  
129 Tarboro St.  
Wilson, NC 27893

Drawn by: JW  
Issue Date: 10-16-2023  
Project Number: 23-164  
Sheet:

B-1



1 BUILDING SECTION 1  
3/16" = 1'-0"

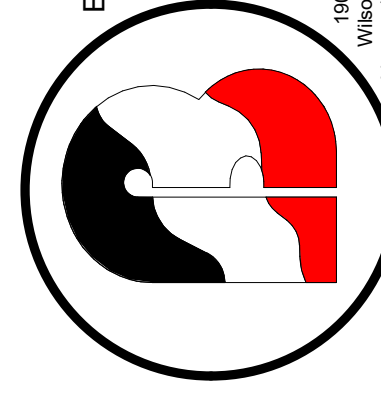


2 BUILDING SECTION 2  
3/16" = 1'-0"

Owner:

City of Wilson  
P.O. BOX 10  
Wilson, NC 27893

**BARTLETT**  
ENGINEERING & SURVEYING, PC



V. (252) 398-0074  
F. (252) 398-0084  
www.bartletteng.com

1800 South Ocean View  
Wilson, NC 27894-1726  
License # C-1551

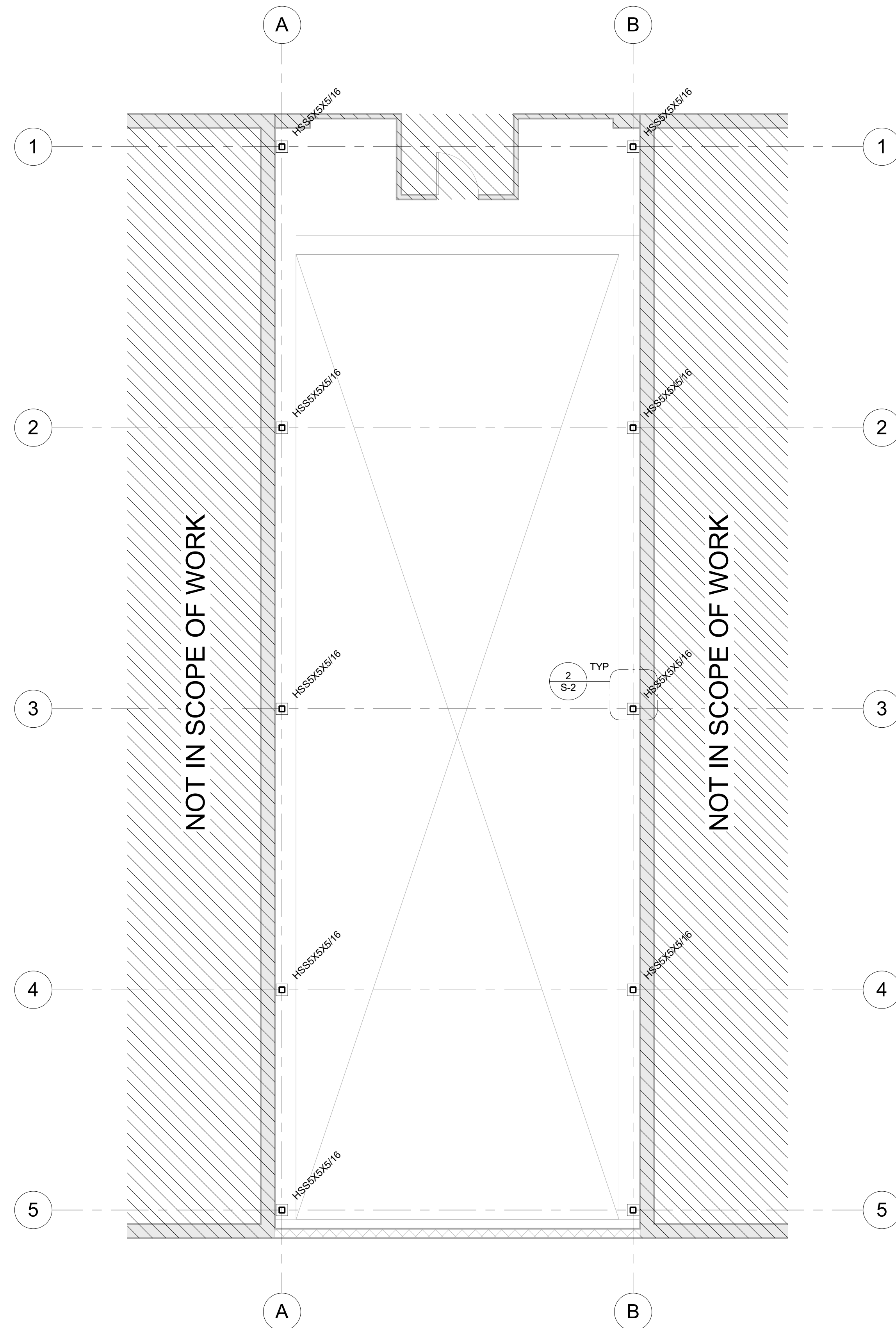
10/20/2023

Rev.	Date:	Description:
1	10-10-23	AS PER CITY COMMENTS

Title Sheet:	<b>BUILDING SECTIONS</b>
Project:	<b>129 Tarboro Street</b> 129 Tarboro St. Wilson, NC 27893

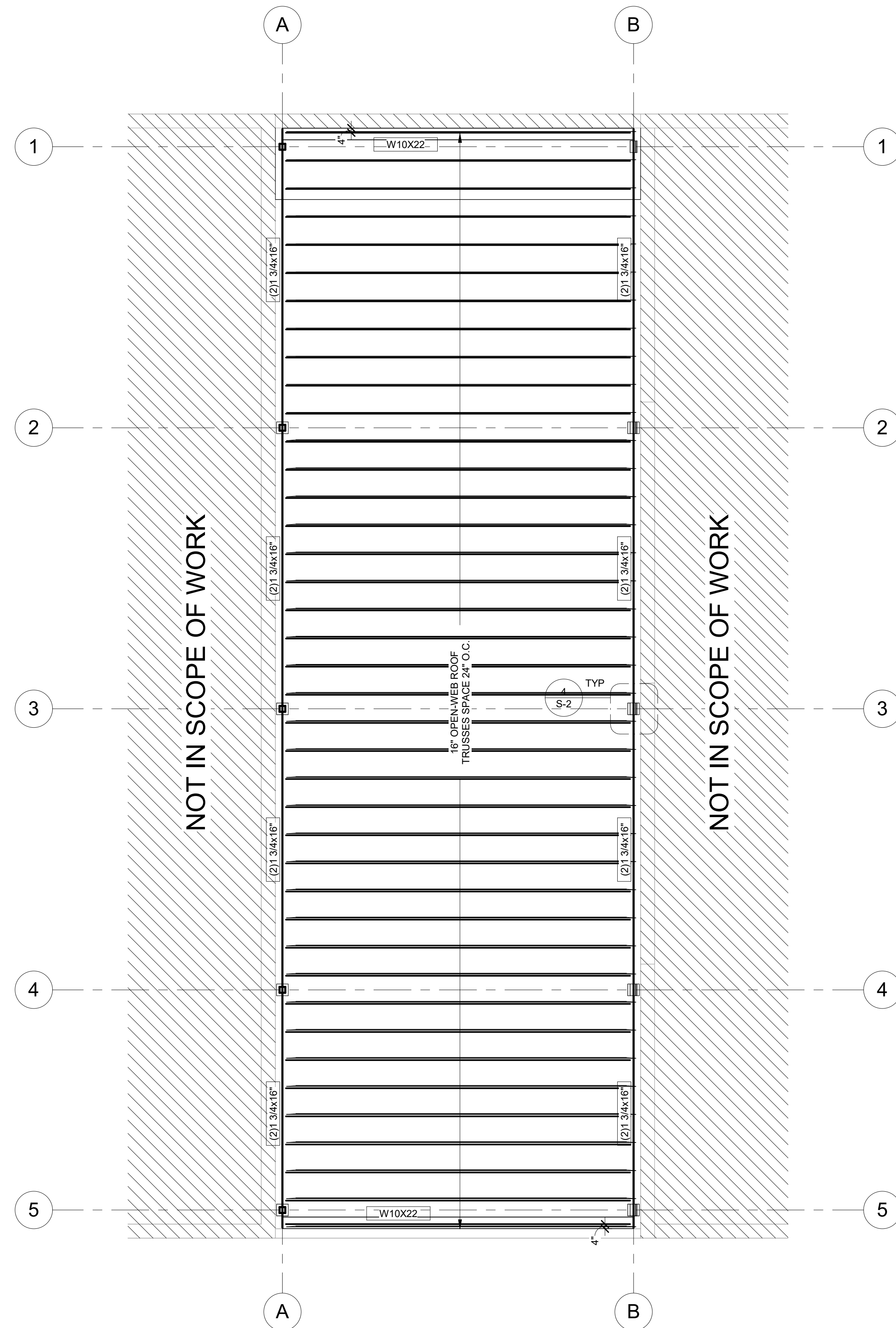
Drawn by:	JW
Issue Date:	10-16-2023
Project Number:	23-164
Sheet:	<b>B-2</b>

TARBORO ST.



1 FLOOR 1 - PROPOSED FLOOR PLAN - ADDITION  
3/16" = 1'-0"

TARBORO ST.

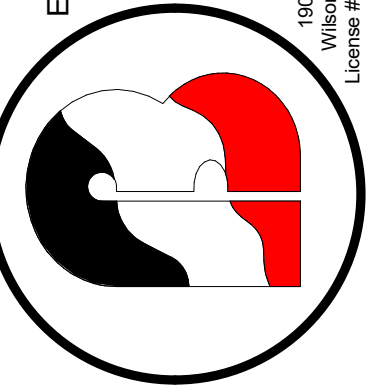


3 ROOF - FRAMING  
3/16" = 1'-0"

City of Wilson  
P.O. BOX 10  
Wilson, NC 27893

Owner:

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F. (252) 398-3084  
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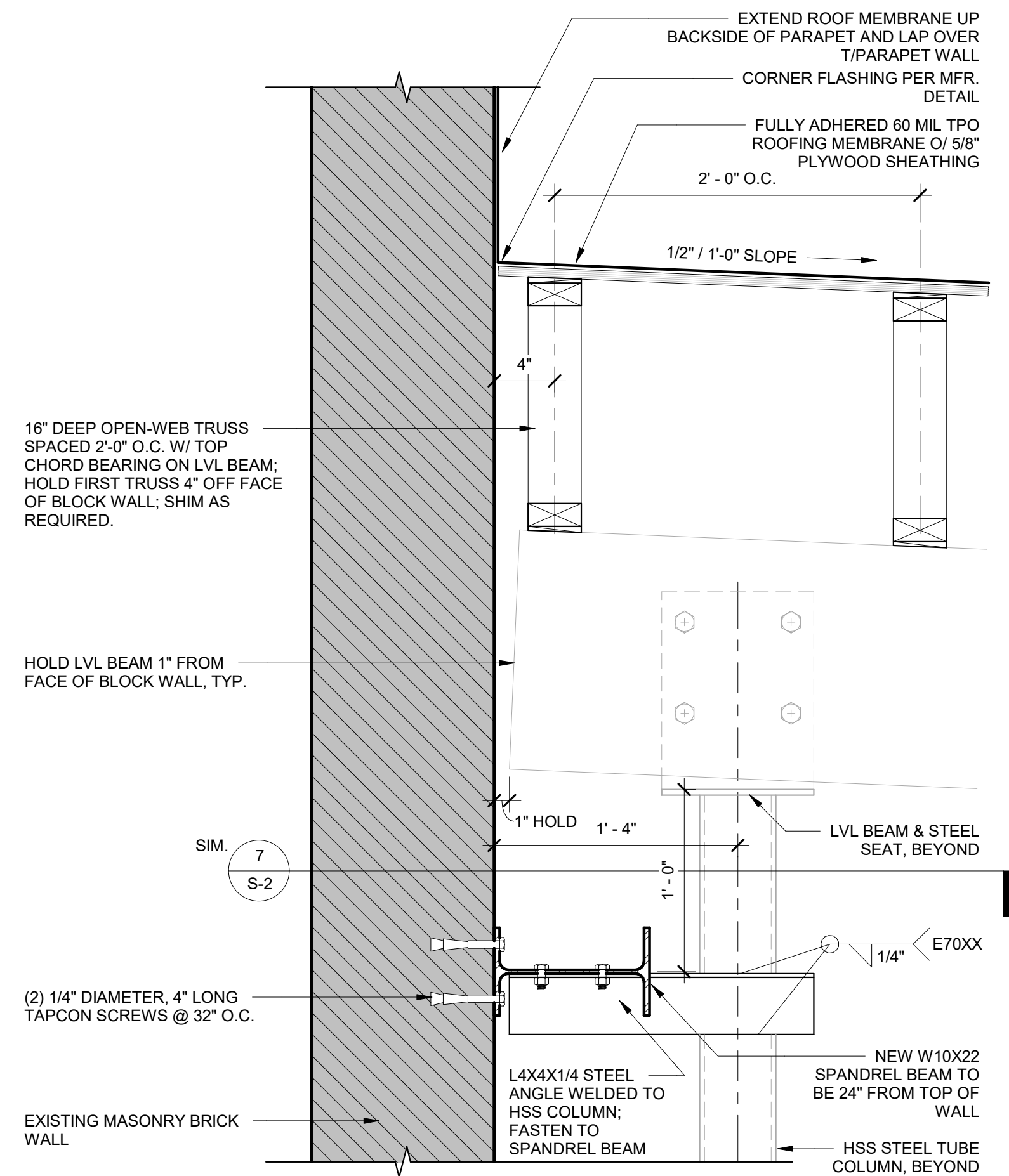
Rev.	Date:	Description:
1	10-10-23	AS PER CITY COMMENTS

Title Sheet:  
**PROPOSED FRAMING PLAN**

Project:  
**129 Tarboro Street**  
129 Tarboro St.  
Wilson, NC 27893

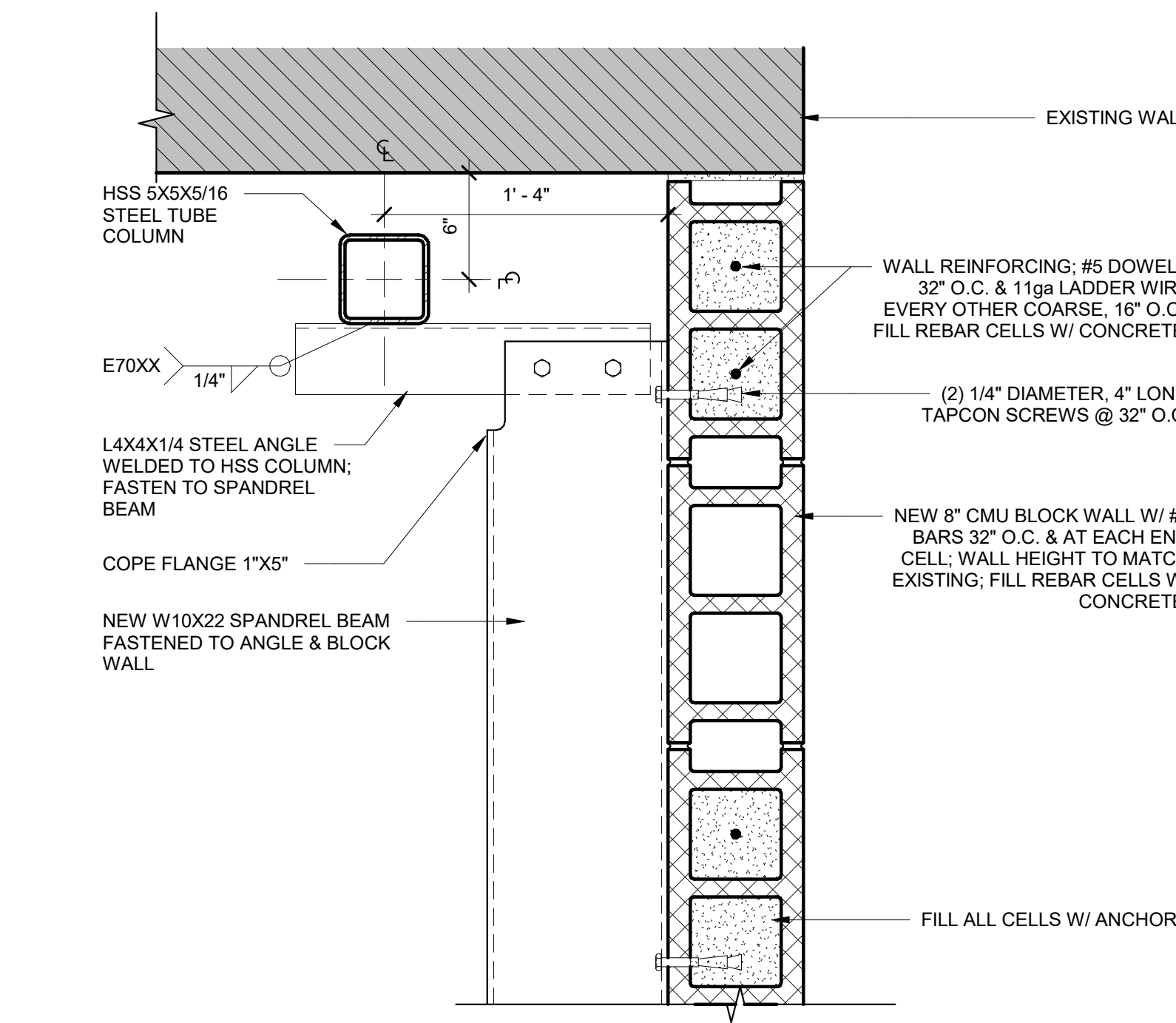
Drawn by: JW  
Issue Date: 10-16-2023  
Project Number: 23-164  
Sheet:

**S-1**



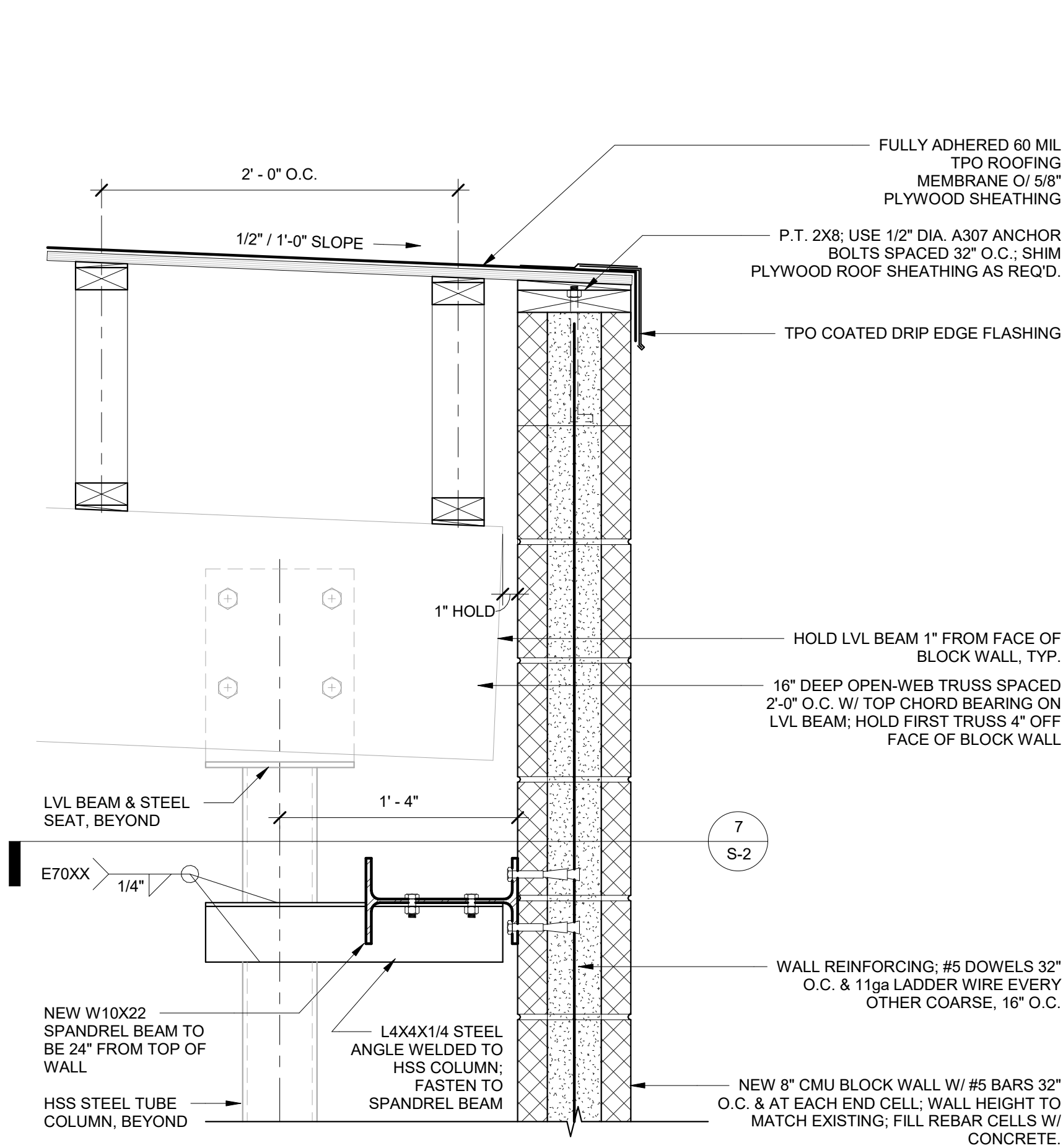
NOTE:  
 • ALL CONCRETE TO BE 3,000 PSI STRENGTH AT 28 DAYS.  
 • ALL STEEL REINFORCING BARS TO BE MADE OF ASTM A615 MATERIAL.  
 • USE STANDARD 8" BLOCK W/ TYPE N MORTAR.  
 • ALL DEMOLITION TO BE DONE IN ACCORDANCE TO CHAPTER 33 OF THE 2018 NORTH CAROLINA BUILDING CODE.  
 • AT ROOF SHEATHING, PROVIDE (2) 8D NAILS AT EACH END OF ROOF TRUSS & (1) 8D NAIL 12" O.C. ALONG THE FULL LENGTH OF ROOF TRUSS.  
 • SHIM ROOF TRUSSES AS REQUIRED.

5 EXISTING MASONRY WALL HEAD DETAIL  
1 1/2" = 1'-0"



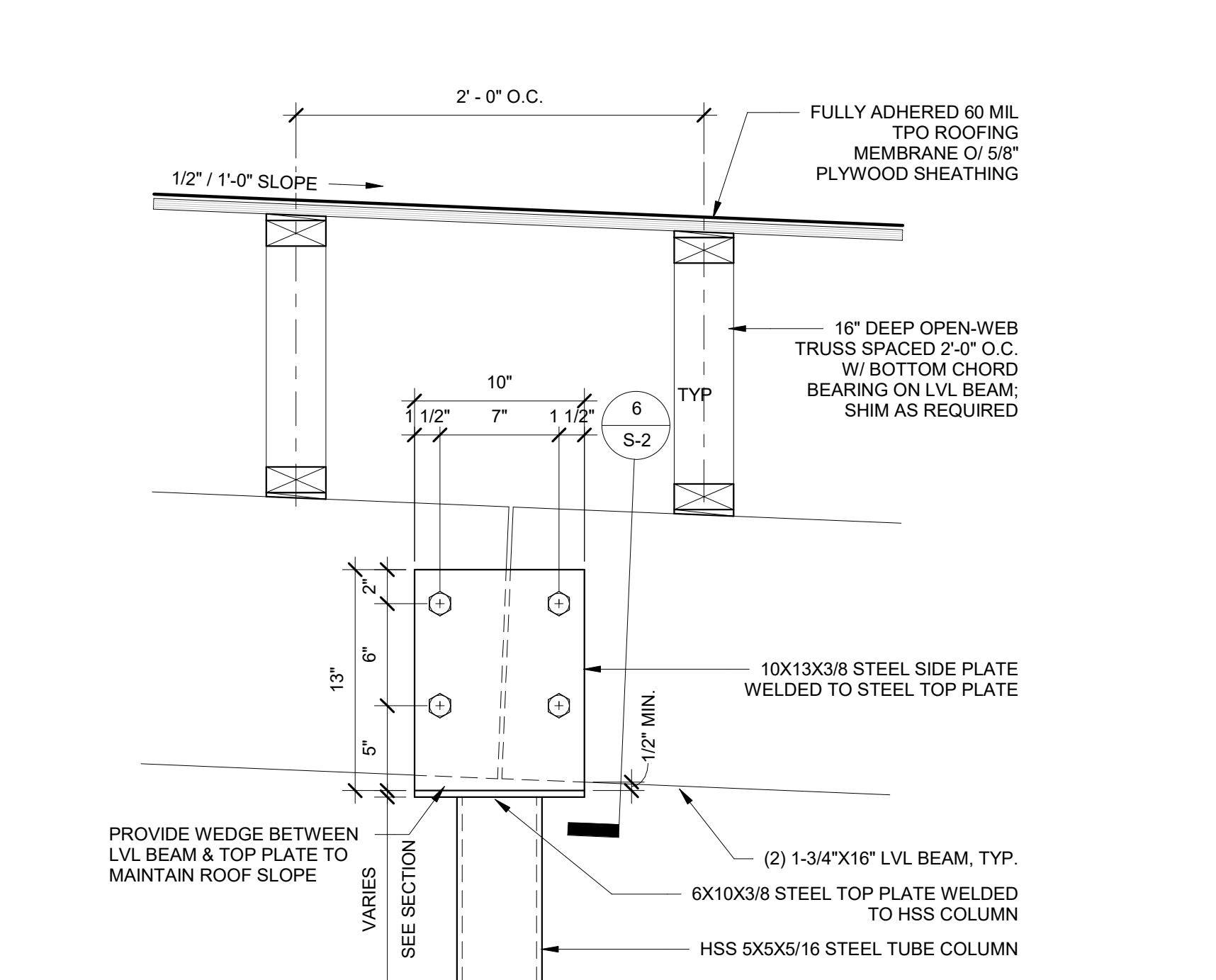
NOTE:  
 • ALL CONCRETE TO BE 3,000 PSI STRENGTH AT 28 DAYS.  
 • ALL STEEL REINFORCING BARS TO BE MADE OF ASTM A615 MATERIAL.  
 • USE STANDARD 8" BLOCK W/ TYPE N MORTAR.  
 • ALL DEMOLITION TO BE DONE IN ACCORDANCE TO CHAPTER 33 OF THE 2018 NORTH CAROLINA BUILDING CODE.  
 • AT ROOF SHEATHING, PROVIDE (2) 8D NAILS AT EACH END OF ROOF TRUSS & (1) 8D NAIL 12" O.C. ALONG THE FULL LENGTH OF ROOF TRUSS.

7 WF BEAM SUPPORT AT CMU WALL - PLAN DETAIL  
1 1/2" = 1'-0"



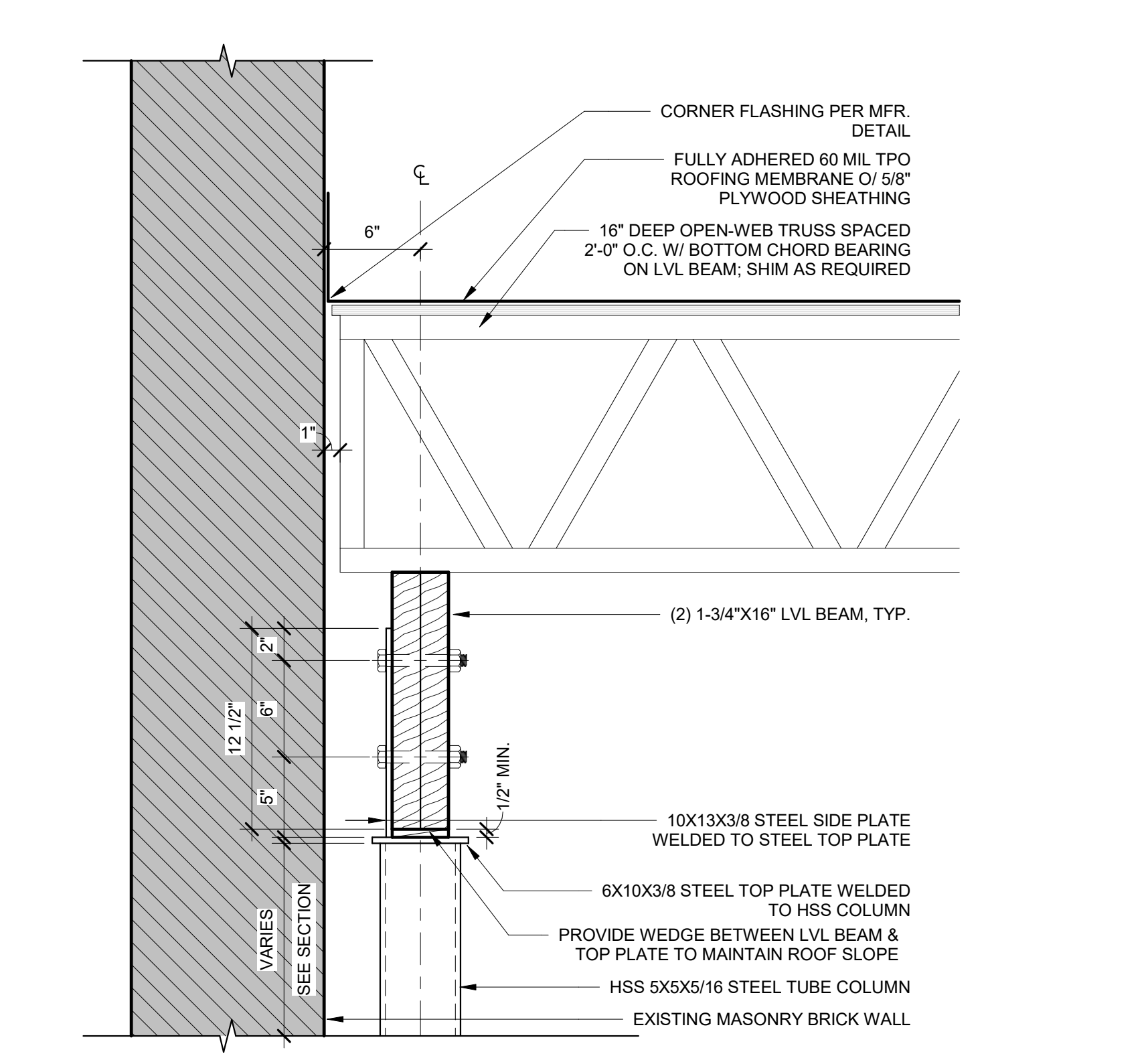
NOTE:  
 • ALL CONCRETE TO BE 3,000 PSI STRENGTH AT 28 DAYS.  
 • ALL STEEL REINFORCING BARS TO BE MADE OF ASTM A615 MATERIAL.  
 • USE STANDARD 8" BLOCK W/ TYPE N MORTAR.  
 • ALL DEMOLITION TO BE DONE IN ACCORDANCE TO CHAPTER 33 OF THE 2018 NORTH CAROLINA BUILDING CODE.  
 • AT ROOF SHEATHING, PROVIDE (2) 8D NAILS AT EACH END OF ROOF TRUSS & (1) 8D NAIL 12" O.C. ALONG THE FULL LENGTH OF ROOF TRUSS.

3 CMU WALL HEAD DETAIL  
1 1/2" = 1'-0"



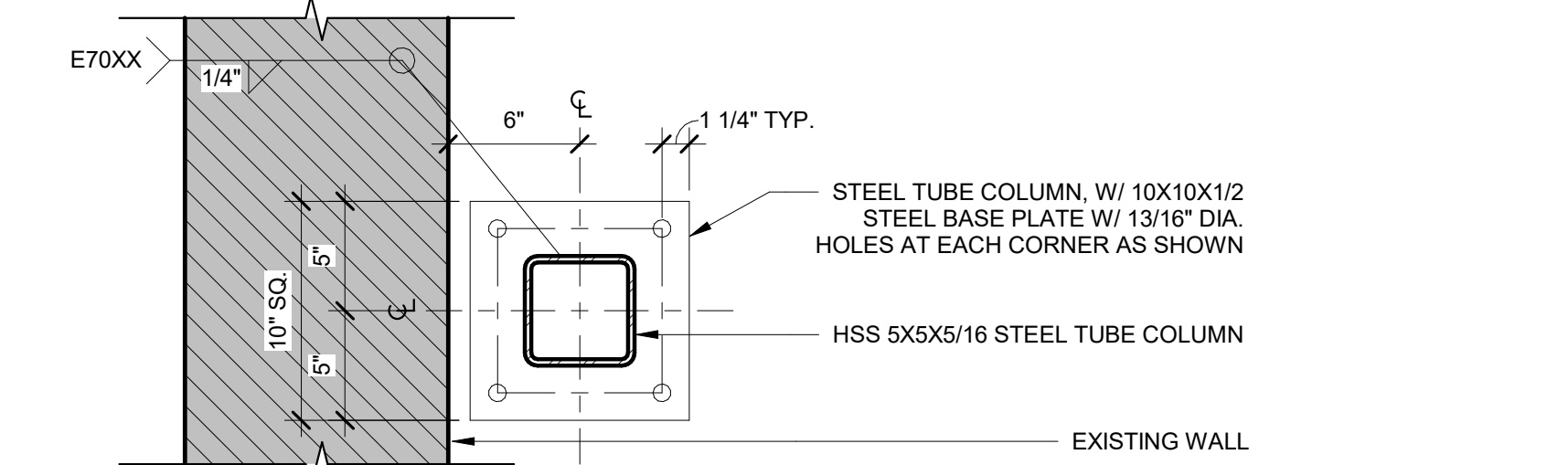
NOTE:  
 • USE (4) 3/4" DIA. A307 THRU-BOLTS W/ OVERSIZED WASHERS.  
 • TUBE COLUMN TO TOP PLATE & SIDE PLATE TO TOP PLATE WELDS TO BE 1/4" FILLET WELDS MADE BY AN A.W.S. CERTIFIED WELDER USING E70XX ELECTRODES  
 • AT ROOF SHEATHING, PROVIDE (2) 8D NAILS AT EACH END OF ROOF TRUSS & (1) 8D NAIL 12" O.C. ALONG THE FULL LENGTH OF ROOF TRUSS.  
 • SHIM ROOF TRUSSES AS REQUIRED.

4 LVL BEAM SEAT - ELEVATION DETAIL  
1 1/2" = 1'-0"



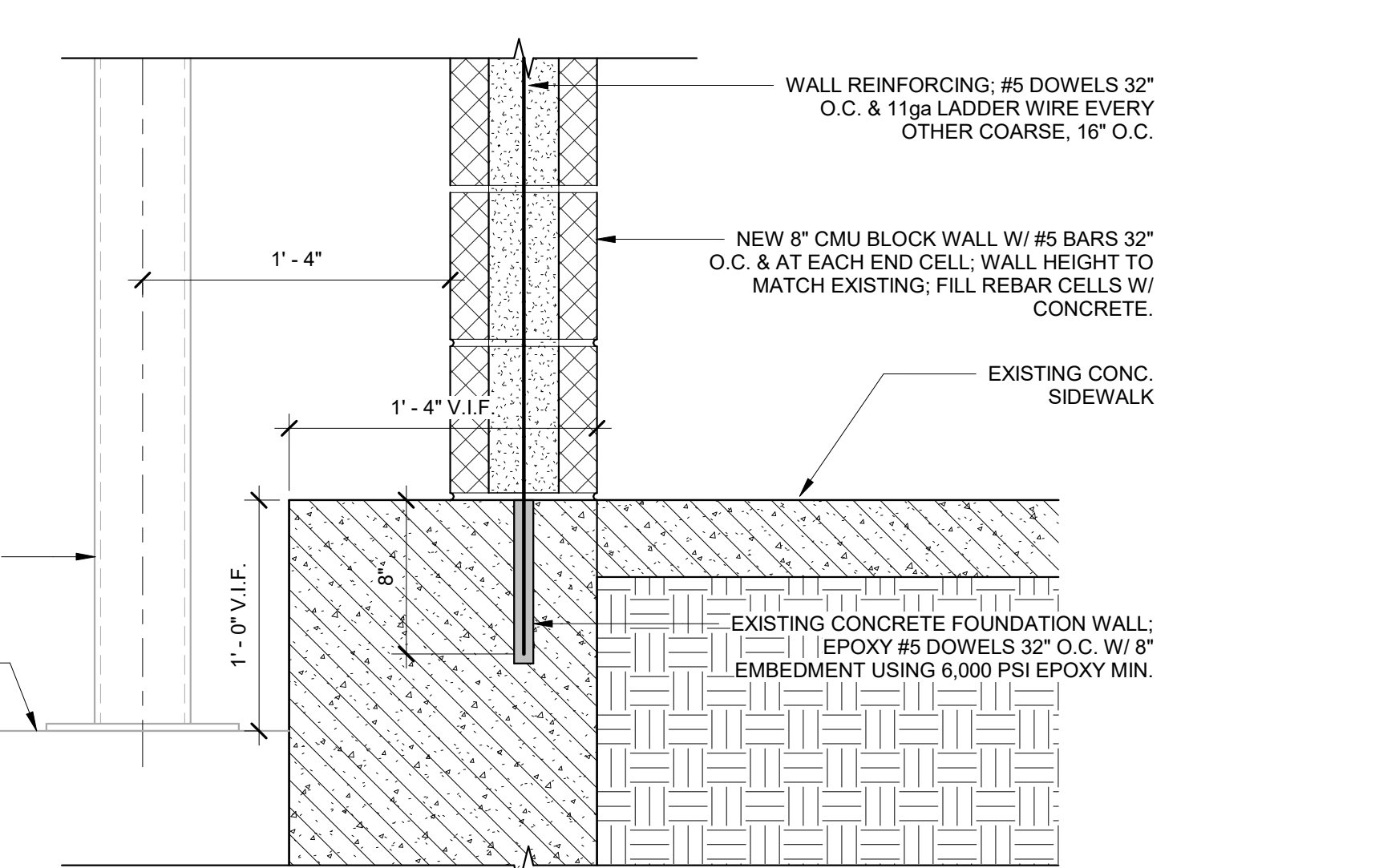
NOTE:  
 • USE (4) 3/4" DIA. A307 THRU-BOLTS W/ OVERSIZED WASHERS.  
 • TUBE COLUMN TO TOP PLATE & SIDE PLATE TO TOP PLATE WELDS TO BE 1/4" FILLET WELDS MADE BY AN A.W.S. CERTIFIED WELDER USING E70XX ELECTRODES  
 • AT ROOF SHEATHING, PROVIDE (2) 8D NAILS AT EACH END OF ROOF TRUSS & (1) 8D NAIL 12" O.C. ALONG THE FULL LENGTH OF ROOF TRUSS.  
 • SHIM ROOF TRUSSES AS REQUIRED.

6 LVL BEAM SEAT - SECTION DETAIL  
1 1/2" = 1'-0"



NOTE:  
 • USE (4) 3/4" DIA. F1554 ANCHOR BOLTS 10" LONG; DRILL & EPOXY INTO EXISTING CONCRETE W/ 8" EMBEDMENT; USE 6,000 PSI EPOXY MIN.

2 HSS COLUMN BASE PLATE - PLAN DETAIL  
1 1/2" = 1'-0"



NOTE:  
 • ALL CONCRETE TO BE 3,000 PSI STRENGTH AT 28 DAYS.  
 • ALL STEEL REINFORCING BARS TO BE MADE OF ASTM A615 MATERIAL.  
 • USE STANDARD 8" BLOCK W/ TYPE N MORTAR.  
 • ALL DEMOLITION TO BE DONE IN ACCORDANCE TO CHAPTER 33 OF THE 2018 NORTH CAROLINA BUILDING CODE.  
 • VERIFY EXISTING FOUNDATION CONDITION. CONSULT W/ PROJECT ENGINEER PRIOR TO CONSTRUCTION

1 CMU WALL BASE DETAIL  
1 1/2" = 1'-0"

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10/20/2023

Rev.	Date:	Description:
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Title Sheet: **STRUCTURAL DETAILS**  
 Project: **129 Tarboro Street**  
 129 Tarboro St.  
 Wilson, NC 27893

Drawn by: JW  
 Issue Date: 10-16-2023  
 Project Number: 23-164  
 Sheet: