

ELECTRICAL DATA		
Volts	120V Primary / 24V Secondary	
Total Amps	3.24 Total Amps	
Circuits	(1) 20 Amp Dedicated	
Visible Disconnects	(1) 20 Amp / 120VAC	
Power Supplies	(4) 24V / 300W @ 2.7 Amps Ea.	

- . All materials and fasteners meet 3004.4
- 2. All electrical components listed and approved in accordance with UL48 and NEC NFPA 70.
- Sign grounded according to NEC 600.7.
- 4. Signs manufactured and listed NEC 600.3 and marked per NEC 600.4.
- i. All branch circuits per NEC 600.5(B).1 or (B).2. 6. All Signs controlled by photocell or time clock per
- '. One visible 20 amp disconnect per sign per circuit per
- NEC 600.6(A).1 B. All Class 2 rated LED modules and LED power supplies
- will be in compliance with a nationally recognized test laboratory and NEC 600.33 (A) thru (D).



Complies with UL48 Sign Certification E212706

DESIGN WIND SPEED AT THE SITE IS V_{ULT} = 113 MPH (Fig. 1609.3(1) - County Map)

REVISIONS

This item has been digitally signed and sealed by Thomas Lubanovic, P.E, on 09.05.2024 Printed copies of this document are not considered to be signed and sealed, and the signature must be verified on any electronic copies

Headquarters

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1077 West Blue Heron Blvd West Palm Reach EL 33404

Northeast Division

707 Commerce Dr. Concord, NC 28025

Western Division

1586 High Meadows Way Cedar Hills, TX 75104

1-800-772-7932 atlasbtw.com

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HARBOR FREIGHT **PYLON SIGN**

ADDRESS

46 SHRIJI LANE ERWIN, NC

DRAWING NO

ENG-185366-S02

2 OF 8 DATE

	NAME	DATE
DRAWN BY	BH	08/23/2024
PROJECT MGR.	J. KLUTTZ	

ENGINEERING

ENGINEER INFORMATION

NAME: Thomas F. Lubanovic, P.E. ADDRESS: 1077 West Blue Heron Blvd. West Palm Beach, Florida 33404 E-MAIL: THOMAS.L@ATLASBTW.COM LICENSE: NC PE #54526 & FL PE #56659

Code Provisions for Sign Installation: Int'l Building Code, 2021 w/ NC Modifications Wind load per ASCE7-22; IBC sections

1609.1.1; 1620; Exposure C; Risk Category II Standard design for $V_{IIIT} = 125 \text{ mph}$ I certify that the menu attachments

and foundation meet or exceed the requirements of the 2021 IBC for wind speed, $V_{ULT} = 125$ mph.

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CLAMP SYSTEM.

AND TOTAL AMPS.

INTERIOR.

CABINET AS REQUIRED.

FEED AND POWER SUPPLIES.

4. HEYCO LP2.5 LOUVERD VENTS MOUNTED TO SIDE OF CABINET. (1) PER SIDE AT TOP AS REQUIRED FOR VENTILATION. 5. 1/2" DIA. STEEL SAG RODS WELDED TO CABINET FRAME CROSS

6. 1" x 1" x 1/8" STEEL TUBE VERTICAL SUPPORTS WELDED TO CABINET

8. GEPS24-300U / 2.7 AMP CLASS 2 LED POWER SUPPLIES MOUNTED INSIDE UL ENCLOSURES. SEE ELECTRICAL DATA BOX FOR QUANTITY

9. 24V CLASS 2 WITH LED MODULES MOUNTED TO VERTICAL RAILS

11. 8" SCH 40s x .322" (8 5/8"Ø ACTUAL) STEEL SUPPORT COLUMN

AND TO STEEL (INNER) MATCH PLATE AT BOTTOM

REMOVABLE PANELS FOR ACCESS TO POWER SUPPLIES AND LED'S.

ATTACHED TO ALUM. ANGLE HORIZONTAL STRINGERS FASTENED TO

10. 2" x 2" x 14GA. STEEL SADDLE WELDED TO STEEL TUBE SIGN FRAME AND TO STEEL SUPPORT INSIDE CABINET. SEE SHEET (3) FOR

WELDED TO STEEL TUBE CROSS MEMBERS AT TOP OF CABINET

12. BRAKE FORMED ALUM. HINGED AND LOCKABLE VENTED ACCESS

DOORS. (1) EACH SIDE OF CABINET FOR ENTRY INTO CABINET

13. 1/4" DIA. DRAIN HOLES WITH LIGHT SHIELDS ALONG BOTTOM OF

14. UL JUNCTION BOX MOUNTED TO STEEL SUPPORT INSIDE CABINET

FOR BRANCH WIRE CONNECTIONS FROM INCOMING PRIMARY

15. 1" x 24" x 24" STEEL MATCH PLATES. (1) WELDED TO STEEL TUBE CABINET FRAME AND TO INNER SUPPORT COLUMN. LOWER MATCH

INNER MATCH PLATE. SEE SHEET (3) FOR DETAILS.

COLUMN. SEE SHEET (3) FOR DETAILS.

PLATE WILL BE WELDED TO INTERMEDIATE COLUMN AND BOLTED TO

BOTTOM (OUTER) MATCH PLATE AND SLEEVED INTO LOWER SUPPORT

16. 12"Ø x .375" STD. STEEL INTERMEDIATE SUPPORT PIPE WELDED TO

15. 14"Ø x .375" SCH. 30s STEEL LOWER SUPPORT PIPE EMBEDDED INTO

16. #12AWG BRANCH WIRING INSIDE MAIN AND INTERMEDIATE SUPPORT

COLUMNS FROM 20 AMP DISCONNECT INSIDE WEATHERPROOF BELL

BOX AT BASE OF LOWER SUPPORT PIPE TO SIGN. SEE SIGN ELEVATION

CONCRETE FOOTER. SEE FOOTER DETAILS ON SHEET 3.

ON SHEET (1) APPROXIMATE DISCONNECT LOCATION

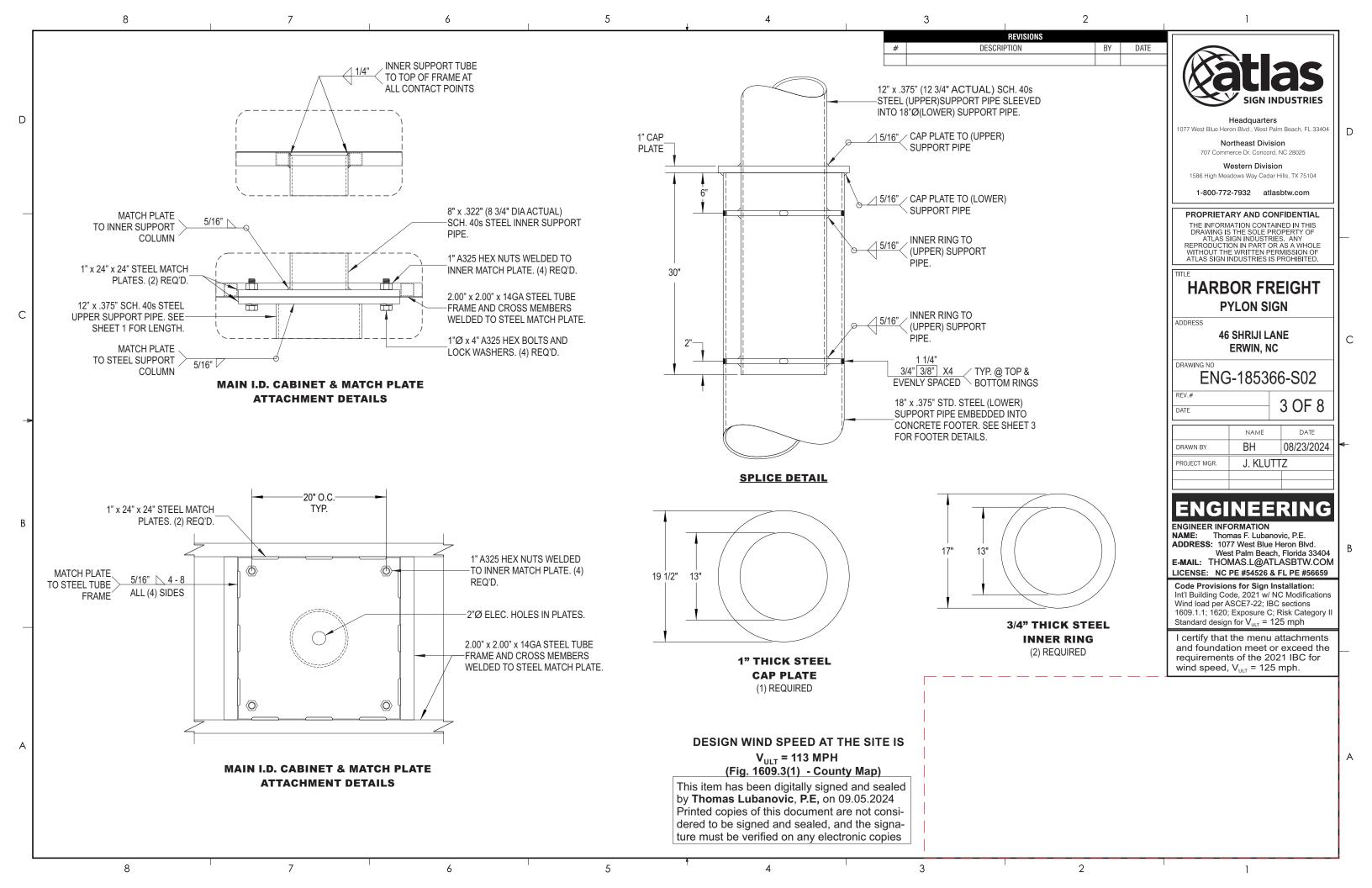
MEMBERS FOR ADDITIONAL SUPPORT.

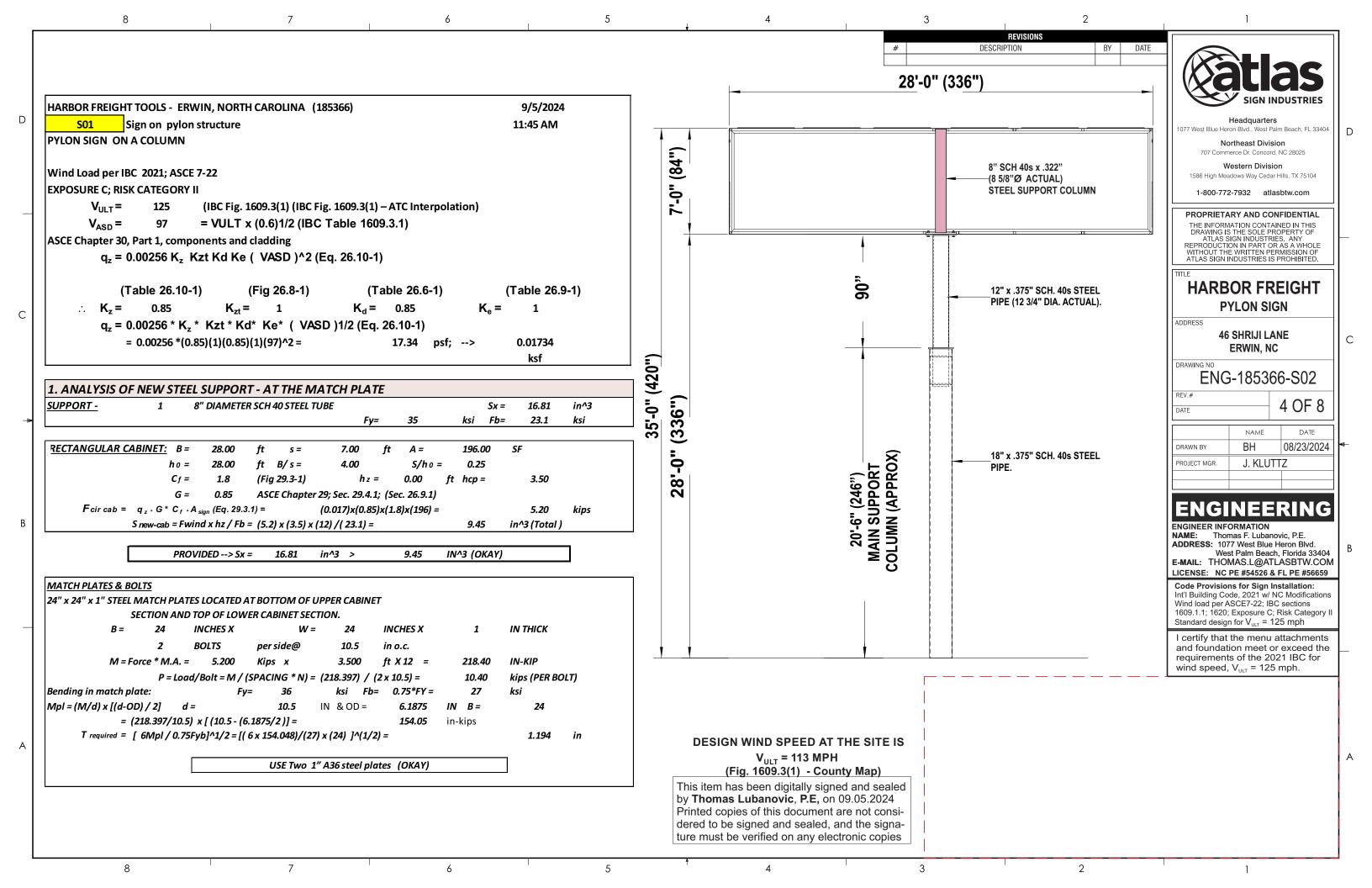
CABINET FRAME CROSS MEMBERS.

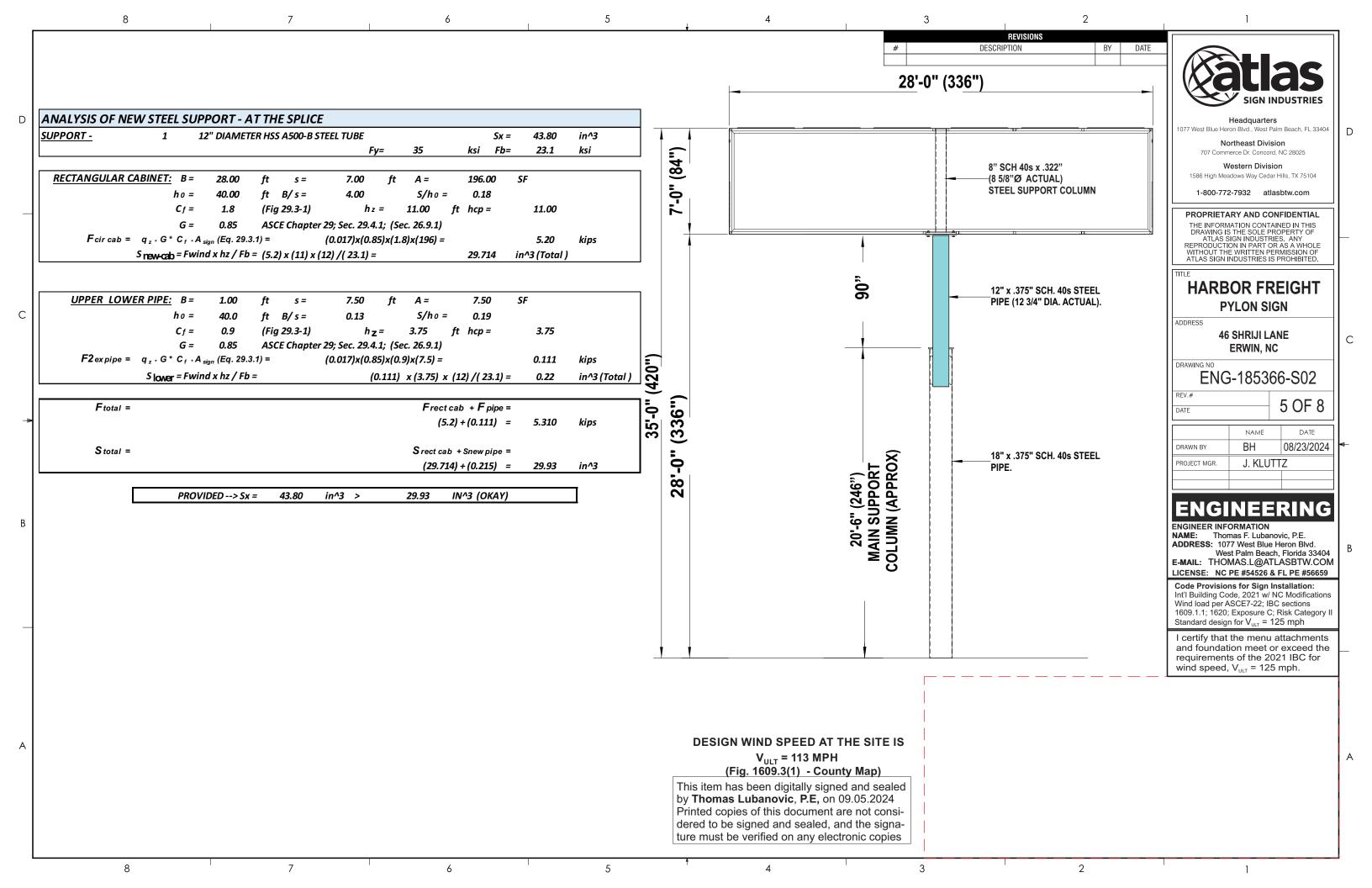
FRAME CROSS MEMBERS.

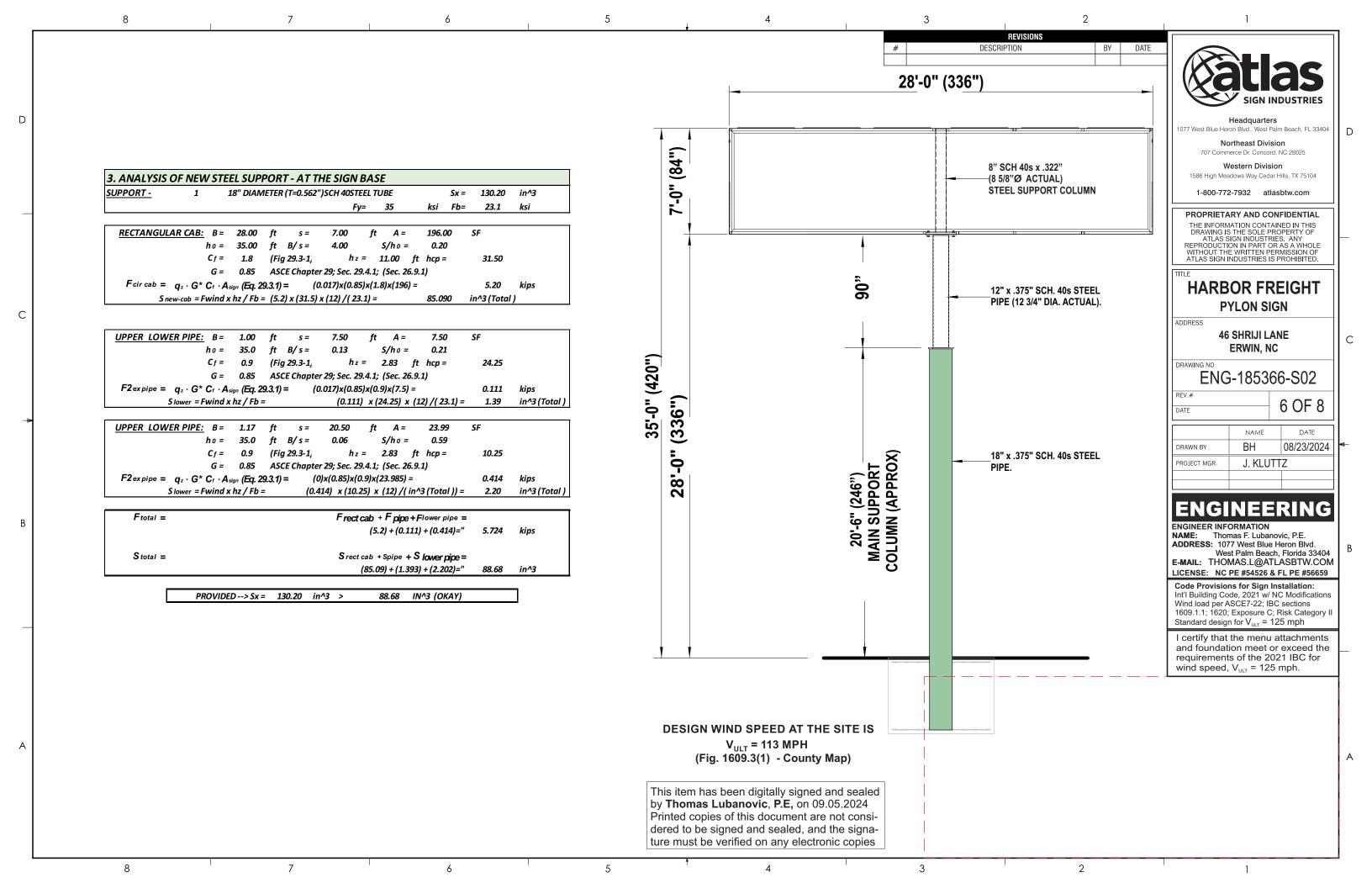
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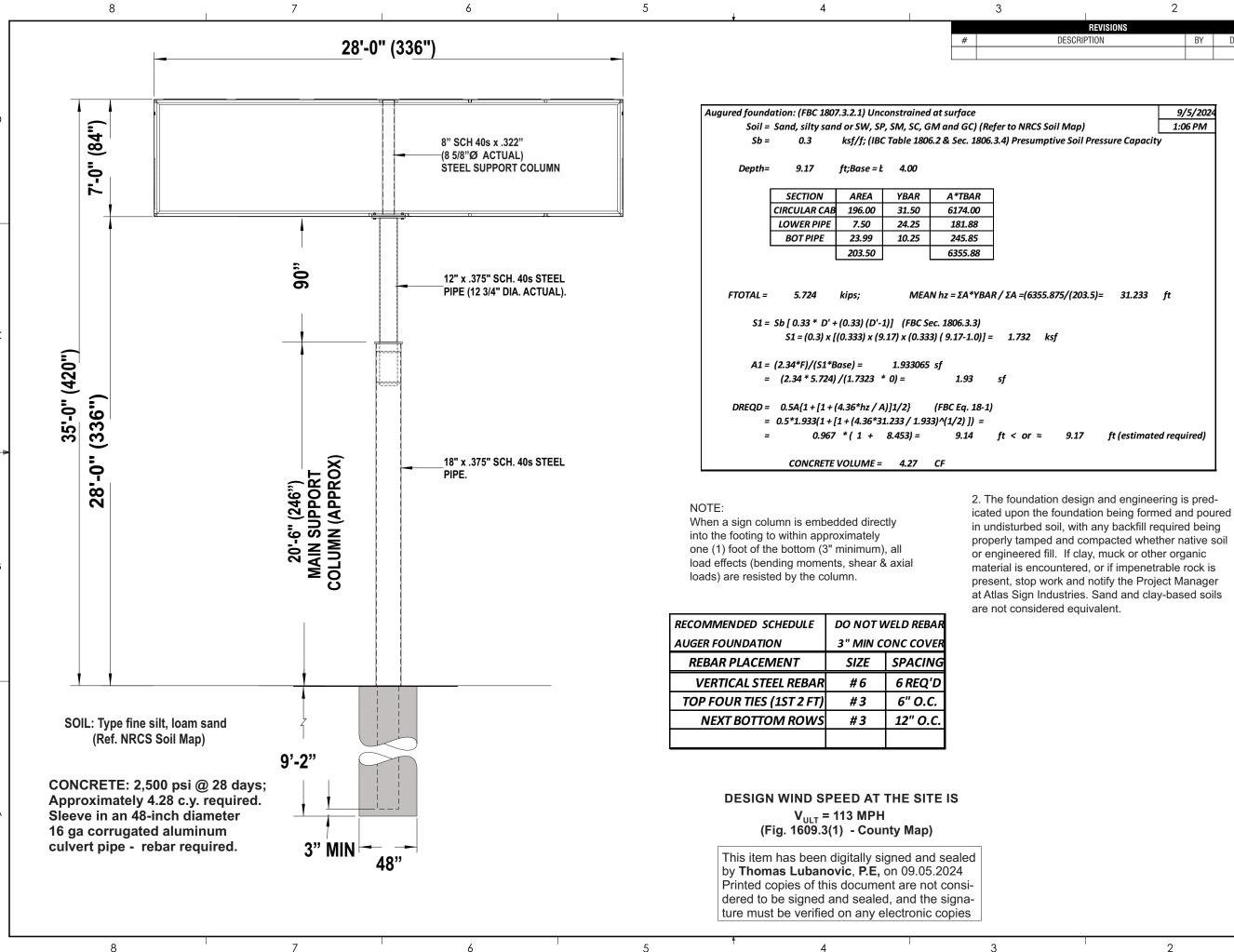
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