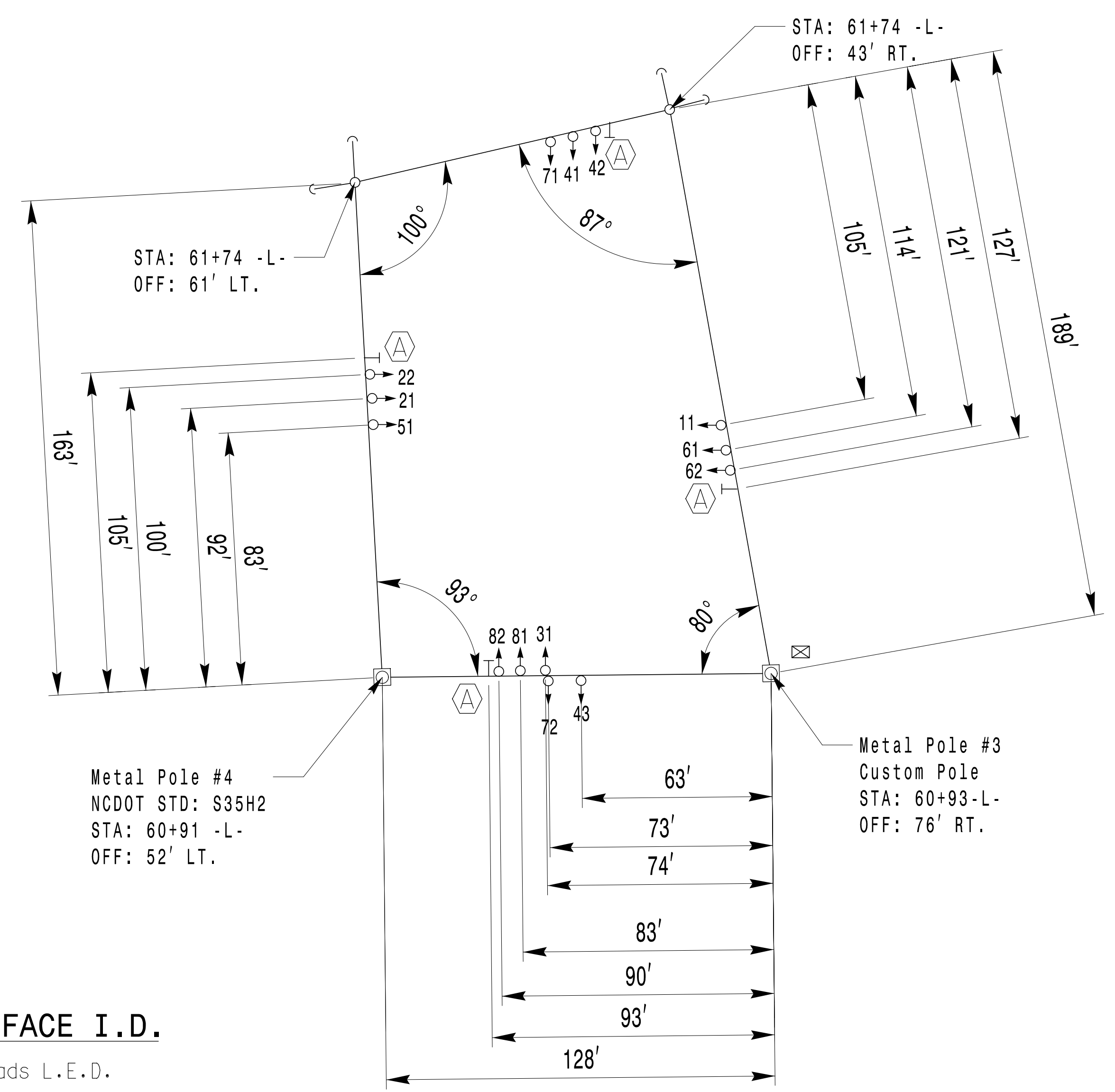


Notes

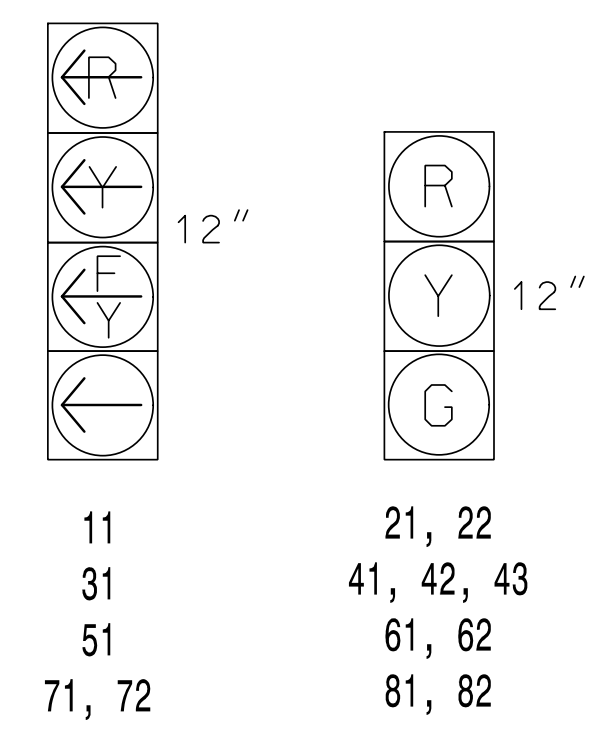
- Design the traffic signal structure and foundation in accordance with:
 - The 6th Edition 2024 AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, including all of the latest interim revisions.
 - The 2024 NCDOT "Standard Specifications for Roads and Structures." The latest addenda to the specifications can be found in the traffic signal project special provisions.
 - The 2024 NCDOT Roadway Standard Drawings.
 - The traffic signal project plans and special provisions.
 - The NCDOT "Metal Pole Standards" located at the following NCDOT website: <https://connect.ncdot.gov/resources/safety/Pages/ITS-Design-Resources.aspx>
- Fabricate Metal Pole #3 using design loadings shown. Factory installed accessories for wire entrances along the pole length were determined by project survey information. The contractor may revise attachment heights and radial orientations of wire entrances with approval from the Division Traffic Engineer. Any modifications to the original location of accessories must be reflected on the shop drawings when they are submitted for review and approval.
- Design a drilled pier foundation that conforms to the requirements of ITSS Project Special Provisions included with and as part of these plans.



LOADING SCHEDULE FOR STRAIN POLES				
HEAD	DESCRIPTION	AREA	SIZE	WEIGHT
21, 22 41, 42, 43 61, 62 81, 82	SIGNAL HEAD 12"-3 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	9.2 S.F.	25.5" W X 52.0" L	56 LBS
11 31 51 71, 72	SIGNAL HEAD 12"-4 SECTION -WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	11.5 S.F.	25.5" W X 66.0" L	74 LBS
(A)	STREET NAME SIGN WITH HANGER	12.0 S.F.	18.0" W X 96.0" L	27 LBS

SIGNAL FACE I.D.

All Heads L.E.D.



Custom Metal Strain Pole

Prepared For the Offices of:

 SR 1009 (East John Street)
 at
 SR 3440 (McKee Road) /
 Campus Ridge Road
 Division 10 Mecklenburg County Matthews
 PLAN DATE: August 2023 REVIEWED BY: SL Phillips
 PREPARED BY: SP Pennington REVIEWED BY:

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
 NC License #F-0102
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601
 (919) 677-2000

750 N. Greenfield Pkwy, Garner, NC 27529
 SCALE: 0 30
 1"=30'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 Stage L Phillips
 4/29/2024
 DATE
 SIG. INVENTORY NO. 10-2352

4/25/2024 7:40:42 AM Gabriel Fig. P. Ferro K:\CHL_PRR\101036426 - McKee Rd EXTHSIGNAL MS4 - Signal Design\10-2352-2024mp.dgn