

14 10:56:49 AM susan.neuninaton K:\*RAL Rondwav\*011036175 (H-3315)\*Traffic Sianals\*S4 - Sianal Desian\*03-14th\*3.11 020893-

Notes	PROJECT REFERENCE NO.	SHEET NO.			
NCE MATERIAL	U-3315	SIG 3.11			
traffic signal structure and foundation in accordance with: Edition 2009 AASHTO "Standard Specifications for Structural Supports for Highway uminaires, and Traffic Signals, including all of the latest interim revisions. NCDOT "Standard Specifications for Roads and Structures." The latest addenda to fications can be found in the traffic signal project special provisions. NCDOT Roadway Standard Drawings. ic signal project plans and special provisions. "Metal Pole Standards" located at the following NCDOT website: connect.ncdot.gov/resources/safety/Pages/ITS-Design-Resources.aspx					
Metal Pole #3 and #4 using design loadings shown. The contractor e attachment heights and radial orientations of wire entrances with from the Division Traffic Engineer. Any modifications to the original of accessories must be reflected on the shop drawings when they are for review and approval.					
drilled pier foundation that conforms to the requirements of ect Special Provisions (Version 12.3) included with and as nese plans.					
th NEC code 230.2(E) concerning service equipment disconnect.					
fixture and luminaire arm represent a load condition to the prexactly how the fixtures will be mounted. The contractor is that any required factory preps for mounting fixtures to the op drawings.	responsible for				
e luminaire support arm using design dimensions as shown on e	elevations views.				

Design the luminaire support arm using design dimensions as shown on elevations views. Refer to the Radial Orientation Detail for attachment to the signal pole. Design arm end for a nominal 2 inch slip fit socket connection for light assembly.

LOADING SCHEDULE FOR STRAIN POLES							
DESCRIPTION	AREA	SIZE	WEIGHT				
IGNAL HEAD 12"-3 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	9.2 S.F.	25.5″W x 52.0″L	56 LBS				
IGNAL HEAD 12"-4 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	11.6 S.F.	25.5″W x 65.5″L	69 LBS				
IGNAL HEAD 12"-5 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	16.5 S.F.	42.0" W x 56.0" L	89 LBS				
DESTRIAN SIGNAL HEAD WITH MOUNTING HARDWARE	2.2 S.F.	18.5" W X 17.0" L	21 LBS				
LUMINAIRE	1.0 S.F.	N/A	25 LBS				
STREET NAME SIGN WITH HANGER	12.0 S.F.	18.0" W X 96.0" L	27 LBS				

## LOADING DIAGRAM: METAL POLES 1, 2, 3 AND 4

Prepared For:	10th STREET AT SR 1703 (14TH STREET)		AT		SEAL PTH CARO/ PESSION SEAL 032607	
Design Section	PLAN DATE: JUNE 2014	REVIEWED BY:	SL PHIL	LIPS	S ACIT	
eenfield Pkwy,Garner,NC 27529	PREPARED BY: SP PENNINGTON	REVIEWED BY:			DocuSigned by:	
SCALE	REVISIONS		INIT.	DATE	Stacie Phillips	9/2/2014
0 N/A						3/2/2014
					SIGNATURE	DATE
N / A					SIG. INVENTORY NO.	02-0893