

CMGT 235 – Electrical and Mechanical Systems

Department of Construction Management ☼ California State University, Chico

Homework #21 – Electrical Fundamentals

Points: 20

Due: 11/3/2022

Name: _____

Complete Table 1 – Meter Base and Main Disconnect Switch, Table 2 – Panelboards, and Table 3 – Transformers

Project: Broward Northside Climate Controlled Storage

Drawings: E-03 and E-04

- List all TRIP/POLES as largest to smallest
- List FEEDERS (conductors) as smallest to largest

See the in-class example - Waste Management Hauling Facility

Table 1 – Meter Base and Main Disconnect Switch

EQUIPMENT	AMPS	VOLTAGE	Ø WIRES	NEMA	FEEDERS-QTY
Meter Base	POWER COMPANY REVENUE METER AND C.T. CABINET				
Main Disconnect Switch					

Table 2 - Panelboards

Panel	AMPS	VOLTAGE	Ø WIRES	MLO/MCB	CKTS	TRIP/POLES -QTY	FEEDERS-QTY
PNL H1							
PNL HM							
PNL HA							
PNL L1 (1 OF 2)							
PNL L1 (2 OF 2)							

Table 3 - Transformers

EQUIPMENT	SPECIFICATIONS	FEEDERS-QTY
Transformer (XFMR)		