Week 14 Meeting

12/03/18
Team Leader: Nur
Other Team Members: Katayi, Ahmed, Chufu, Tam, YJ
Advisor: Dr. Ajjarapu

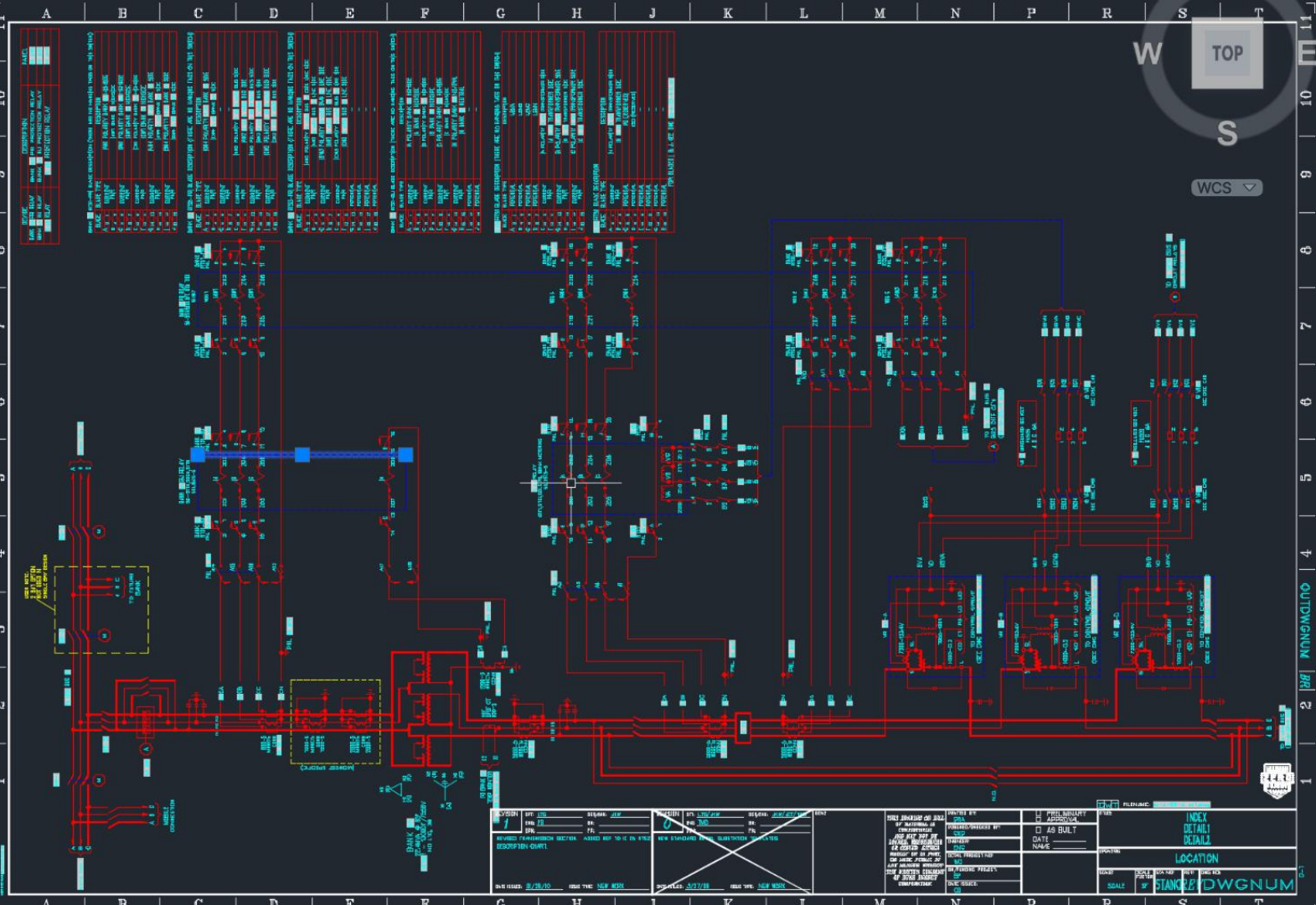
Safety Moment:

To avoid trips, slips, and falls during winter:

1. Keep walkways, stairways and other work areas clear.
2. Remove hazards, such as water on floors and snow on sidewalks, immediately.
3. When walking, look where you are going and have your hands ready to steady yourself should you slip.
4. Avoid carrying heavy loads that may compromise your balance.
5. Mark hazardous areas. Use temporary signs, cones, barricades or floor stands to warn passing workers.
6. Outside, wear footwear with heavy treads for increased traction. Walk along grassy areas if a walkway is covered in ice. Make yourself visible to drivers by wearing a brightly colored jacket or clothes.

Topics

- AC1 and AC2 diagram questions.

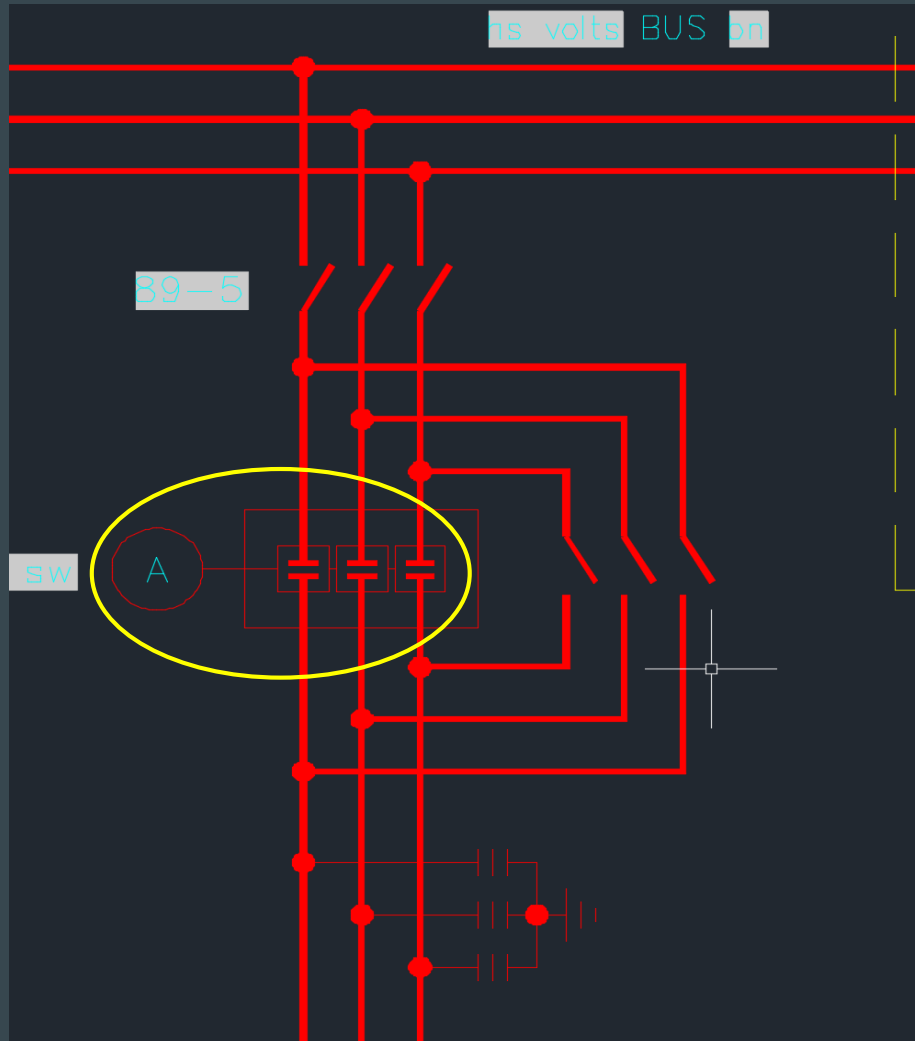

TOP
W
E
S
WCS
DESCRIPTION
REVISED TRANSMISSION SECTION. ADDED REF 10 IC IN 9762
DESCRIPTION CHART
DATE ISSUED: 8/25/10
ISSUE TYPE: NEW WORK
DESCRIPTION
NEW STANDARDS PER SUBSTATION UPDATES
DATE ISSUED: 5/27/16
ISSUE TYPE: NEW WORK
PRELIMINARY
APPROVAL
AS BUILT
DATE
NAME
INDEX
DETAIL1
DETAIL2
LOCATION
SCALE
STANCHART
DWGNUM
OUTDWGNUM

AC1 Diagram

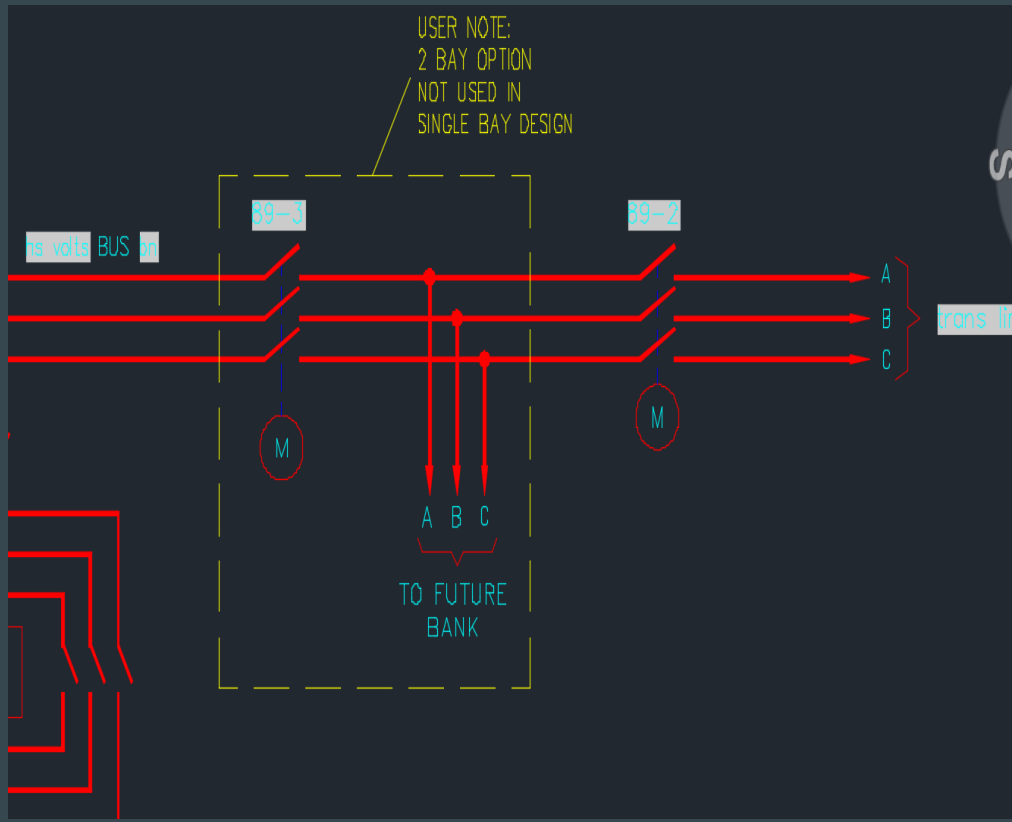
What is the purpose of ac1 and ac2?

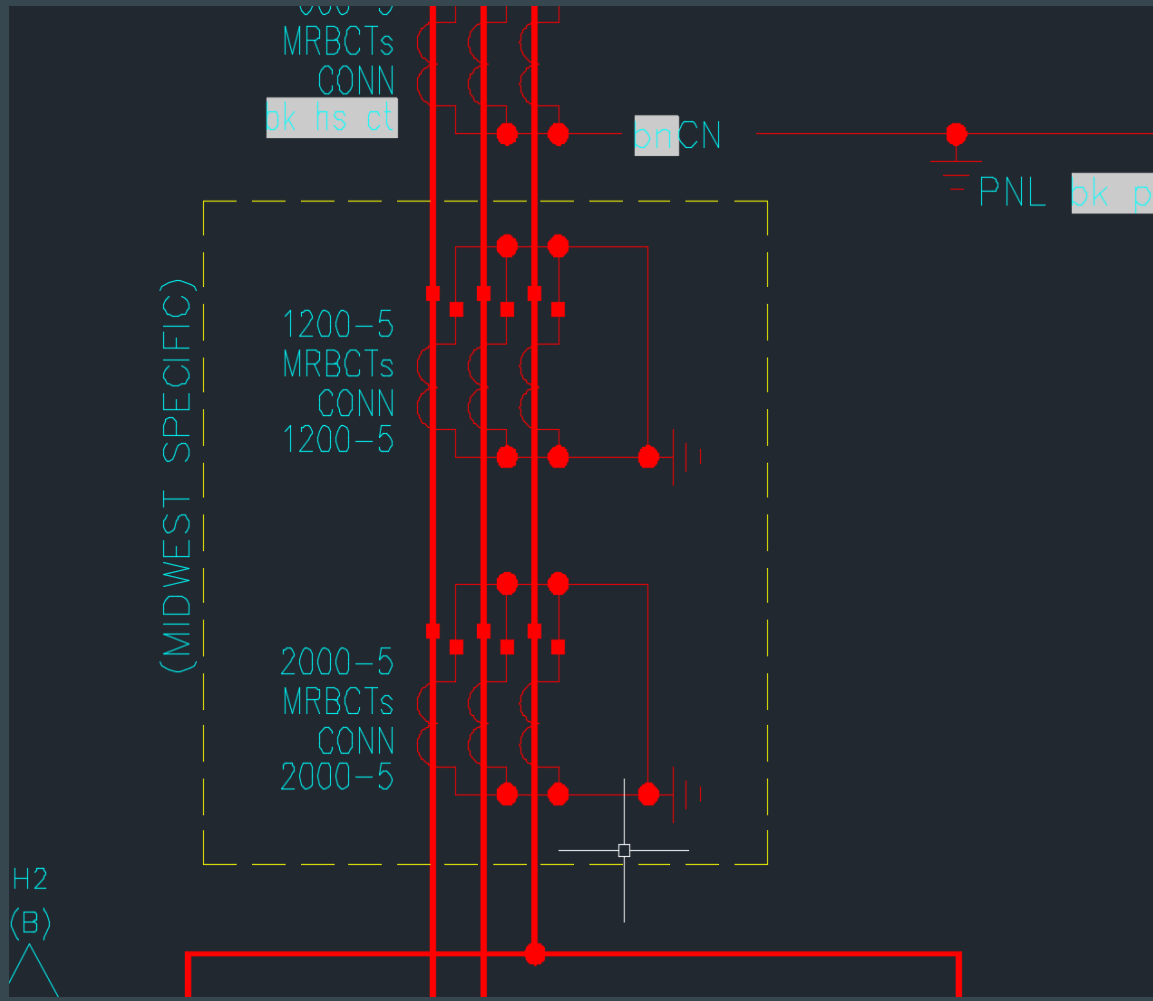
What is the function of this connection ?

Is the A a measuring device?



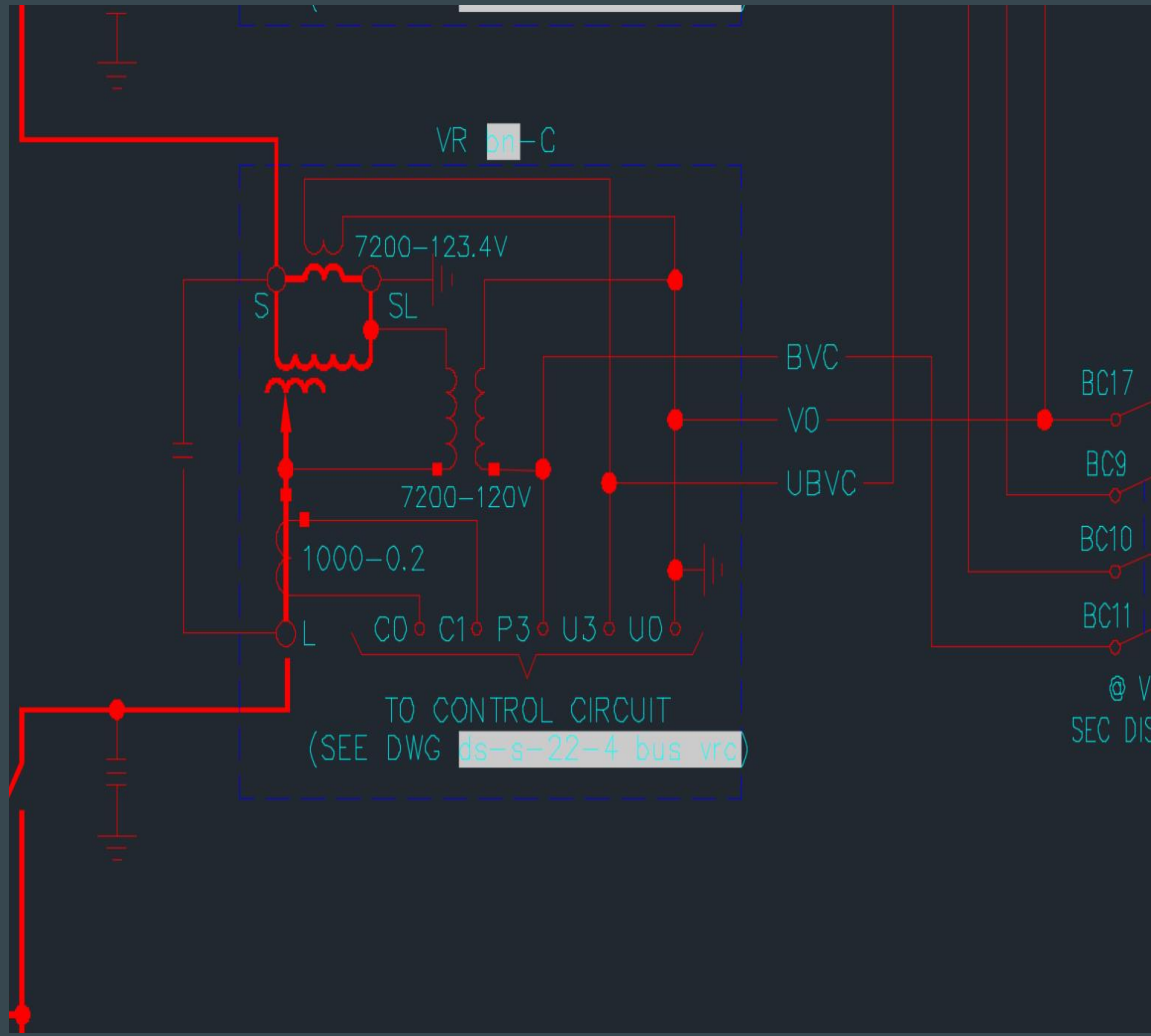
What is the single bay design?




MRBCTs
CONN
bk hs ct
bn CN
PNL bk p
(MIDWEST SPECIFIC)
1200-5
MRBCTs
CONN
1200-5
2000-5
MRBCTs
CONN
2000-5
H2
(B)

What drawing does this control connected to?(acl states that it is connected to ds-s-22-4 bus vr (a b or c)

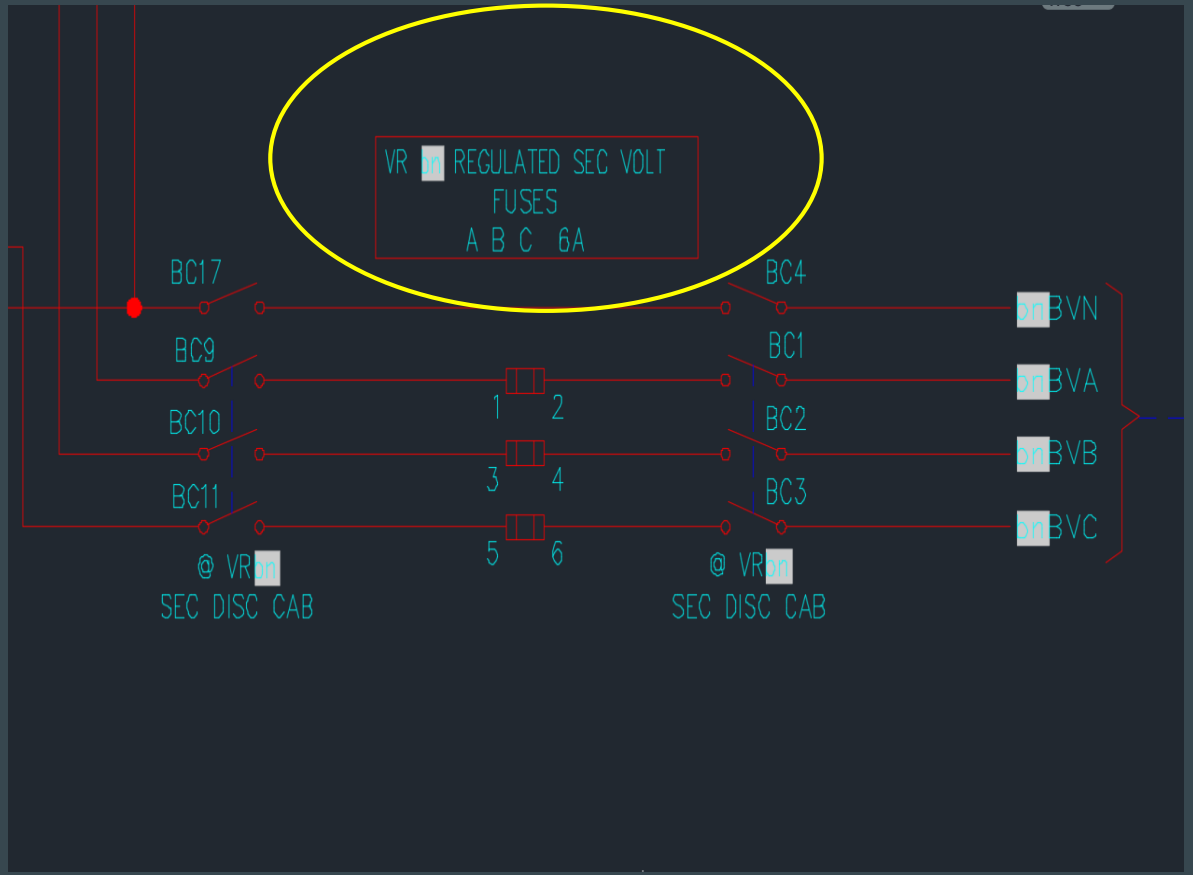
What does this control do?



Is this a voltage regulator and if so

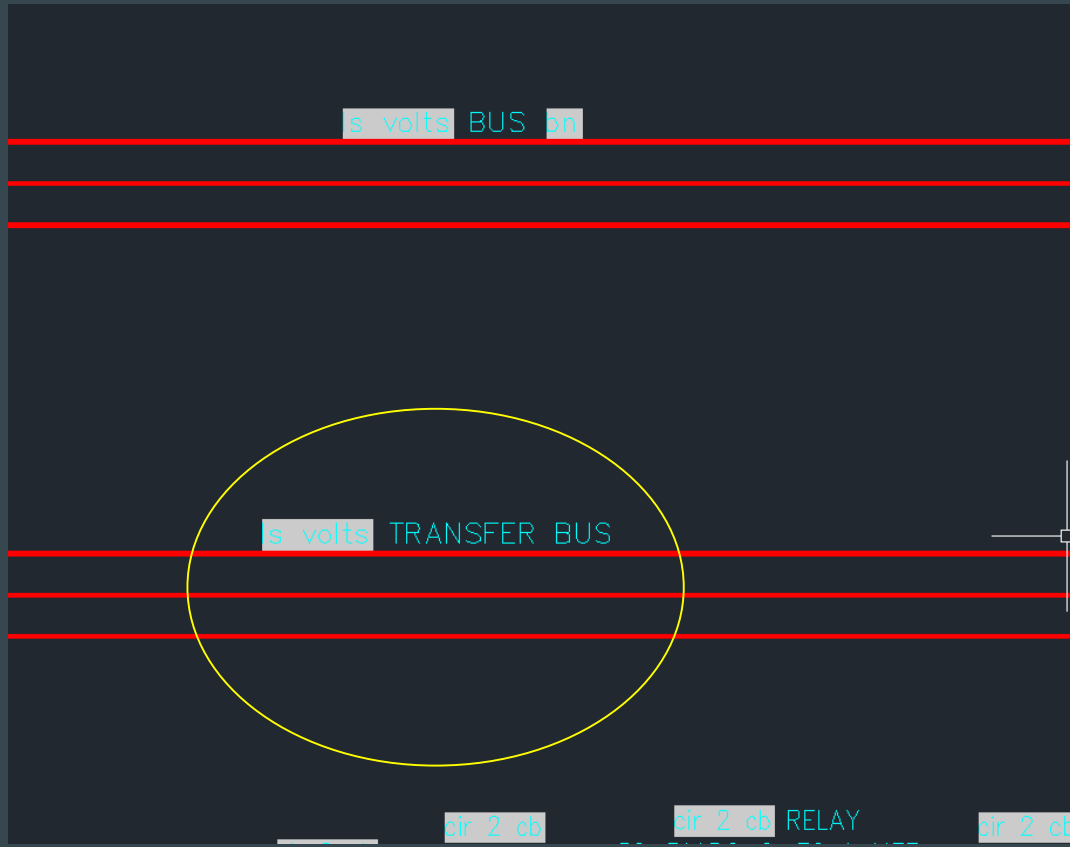
are going to delete it since we didn't

use one in the Key protection ?



AC2 Diagram

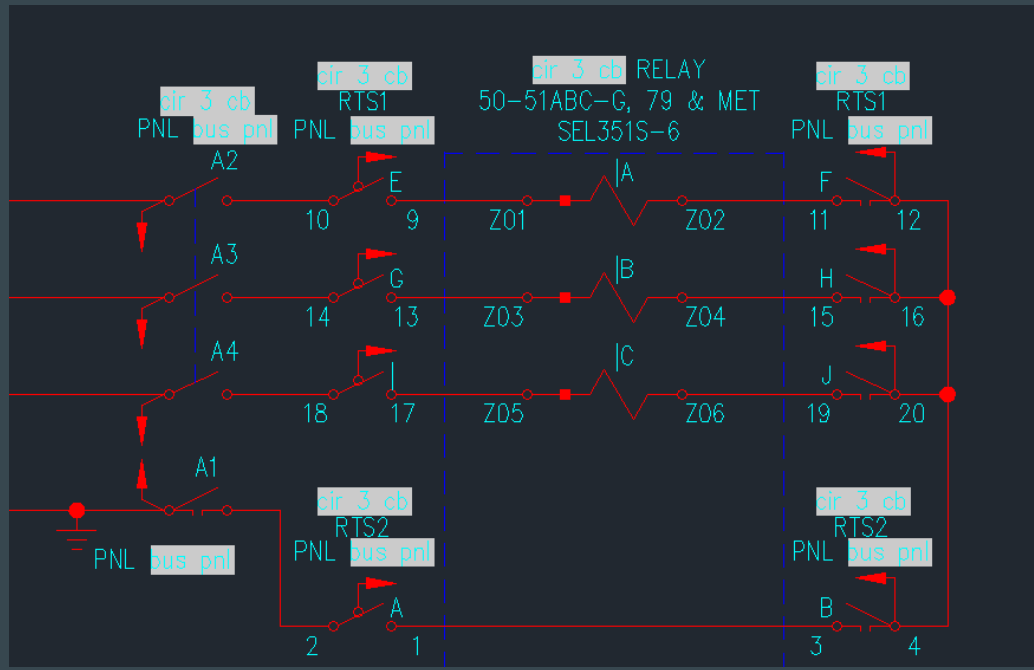
Should we delete the transfer bus?



Is this the inside of the relay?

What is going on inside this connection?

How do we check the terminals of the bu relay in this drawing?



What is the blade description?

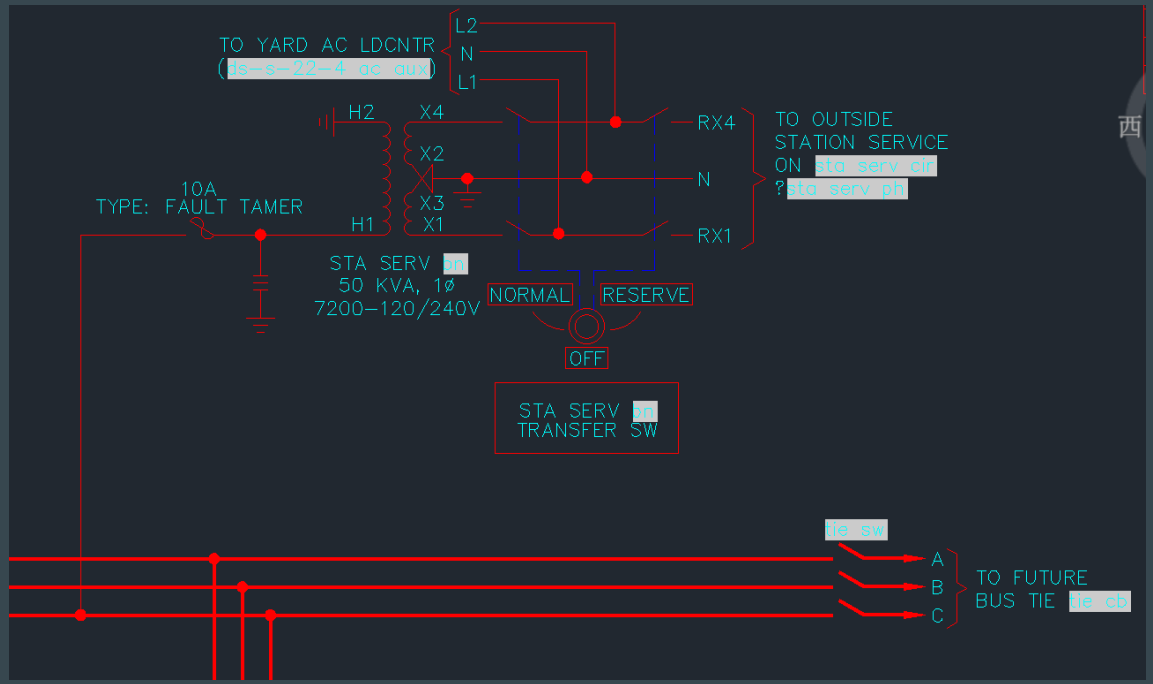
lt cb RTS2 BLADE DESCRIPTION

BLADE	BLADE TYPE	DESCRIPTION
A 2 1	CURRENT PAIR	IN POLARITY lt cb TRANSFORMER SIDE
B 4 3		IN lt cb TRANSFORMER SIDE
C 6 5	POTENTIAL	VS (RESERVED)
D 8 7	POTENTIAL	VSD (RESERVED)
E 10 9	POTENTIAL	–
F 12 11	POTENTIAL	–
G 14 13	POTENTIAL	–
H 16 15	POTENTIAL	–

FOR BLADES | & J, SEE DWG ds-s-22-4 lt rel

What exactly is this and how does it work?

Why does it only connect one phase?



Question

Do you have any software or simulator to test the solar plant and substation?

Can you give a little more info on the man-hour budget? What is the dollar amount per hour?