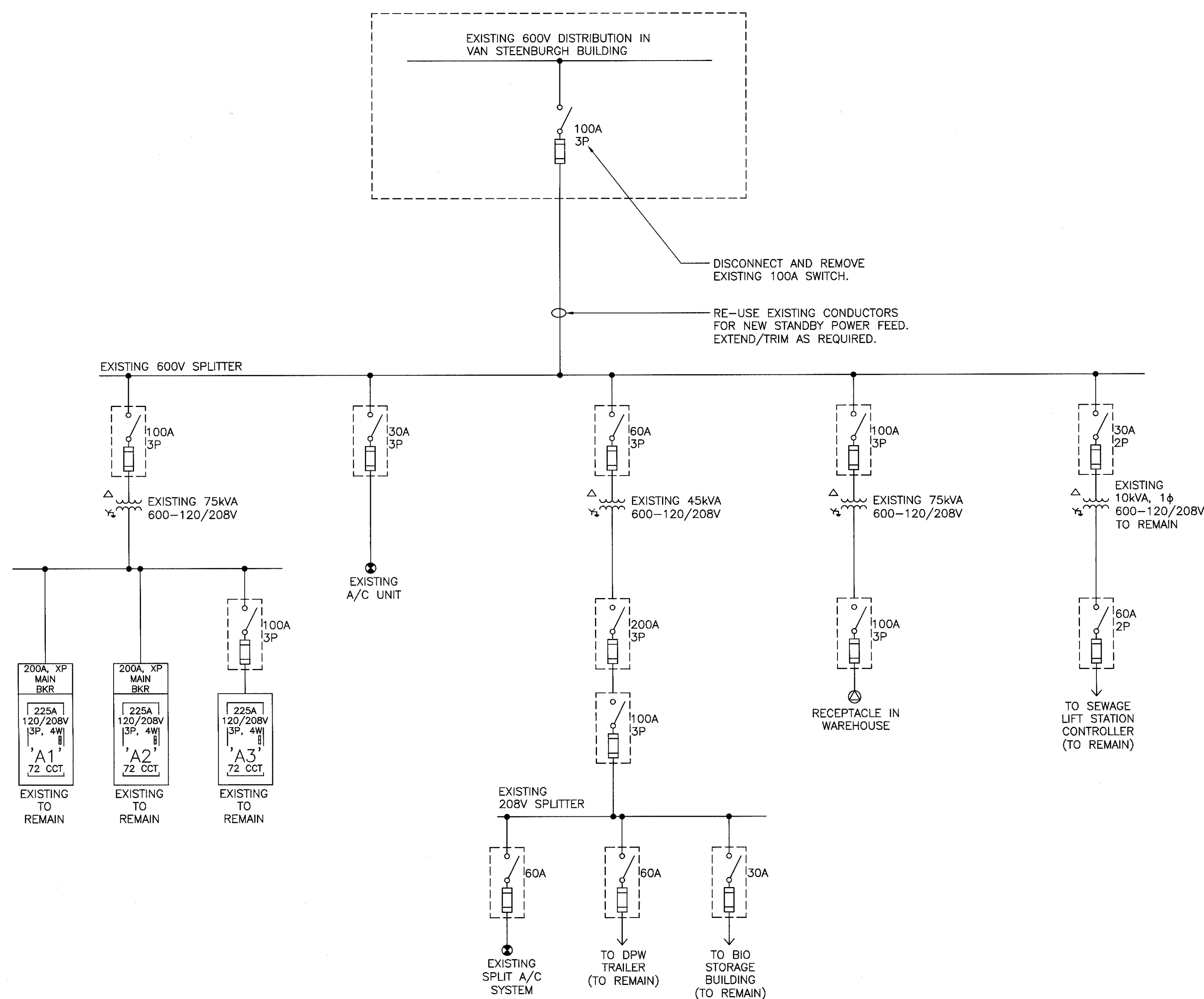


1	ISSUED FOR TENDER	JUN. 4 2015
revisions		date

project
**ARGO BUILDING
BEDFORD INSTITUTE
OF OCEANOGRAPHY**
DARTMOUTH, NS

drawing
**ELECTRICAL SINGLE
LINE DIAGRAM,
EXISTING AND NEW**

designed JS	corrigé
date FEBRUARY 2015	
drawn RD	dessiné
date FEBRUARY 2015	
approved	approuvé
date	
Tender NS	Soumission
PWSSC Project Manager	Administrateur de projets TPSSC
project number	no. du projet
R.069793.001	
drawing no.	no. du dessin
E501	

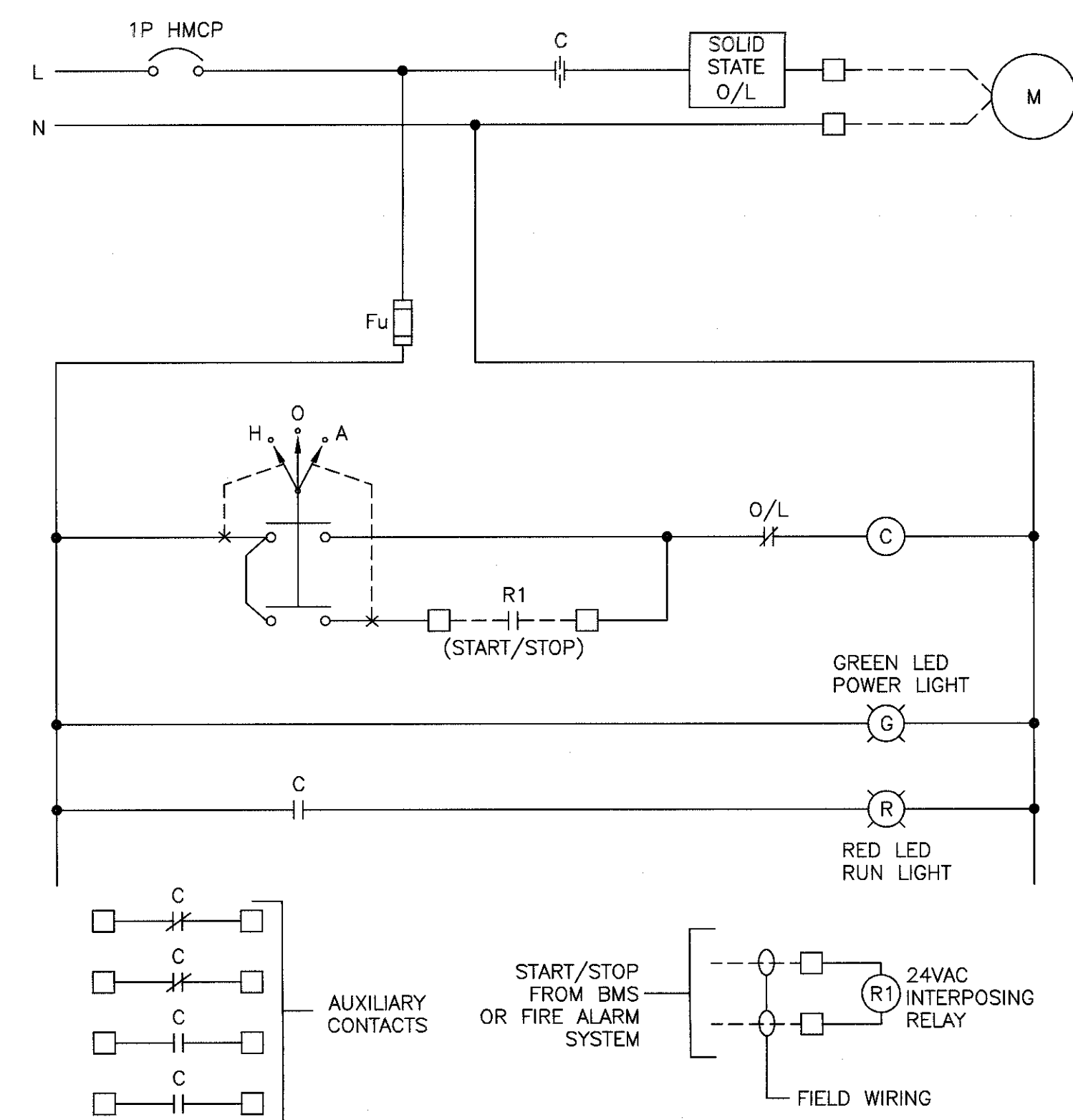


PARTIAL SINGLE LINE DIAGRAM - EXISTING

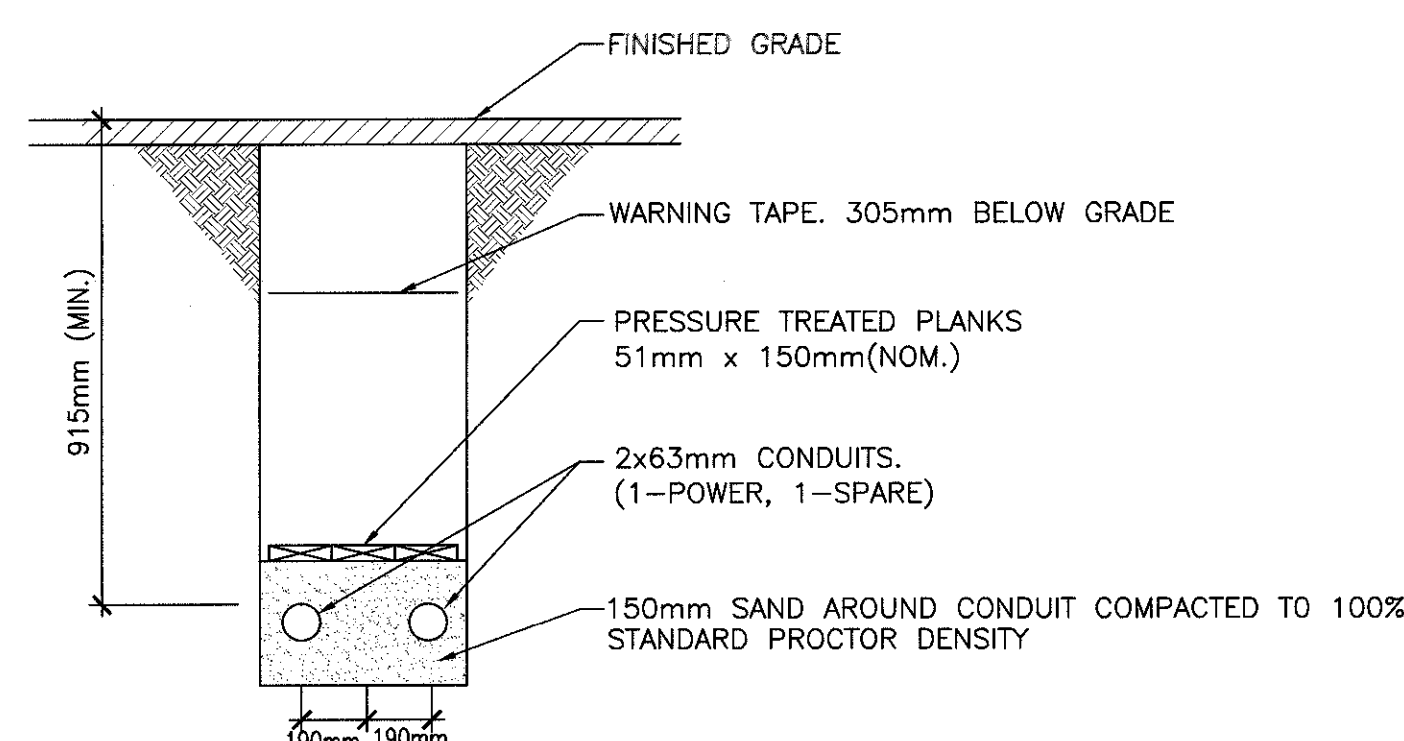
SCALE : N.T.S.

NOTES:

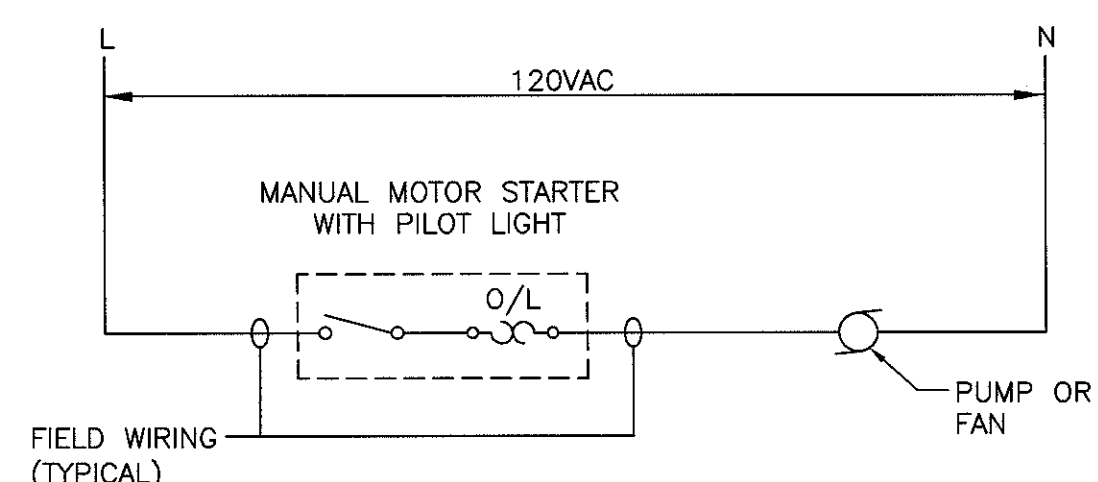
1. ALL EQUIPMENT SHOWN IS TO BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED.



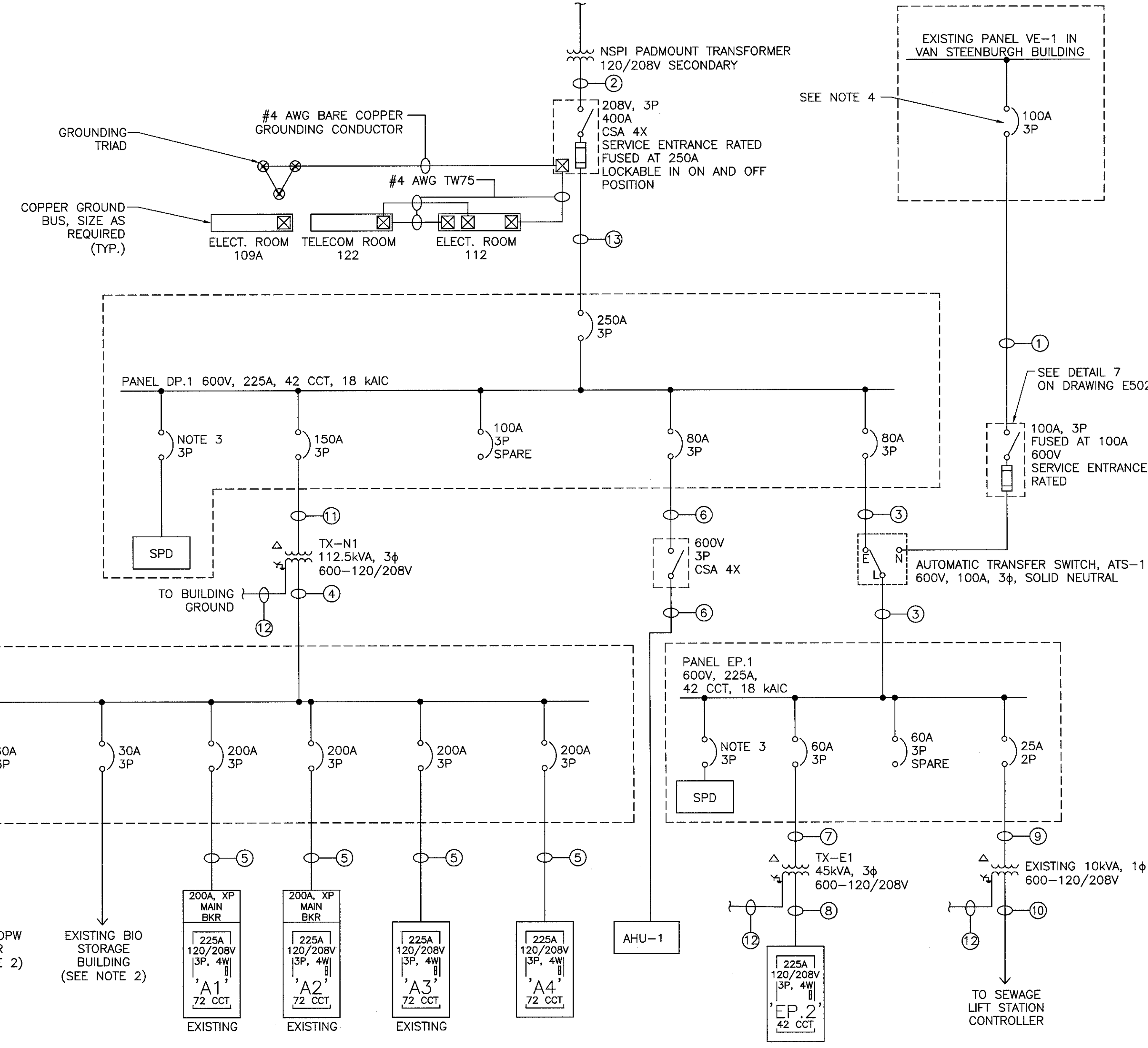
1 SCHEMATIC - 120V HAND/OFF/AUTO (COMBIANTION)
SCALE : N.T.S.



2 SECTION - TYPICAL ELECTRICAL TRENCH
SCALE : N.T.S.



3 SCHEMATIC - 120V MANUAL STARTER
SCALE : N.T.S.



PARTIAL SINGLE LINE DIAGRAM - NEW

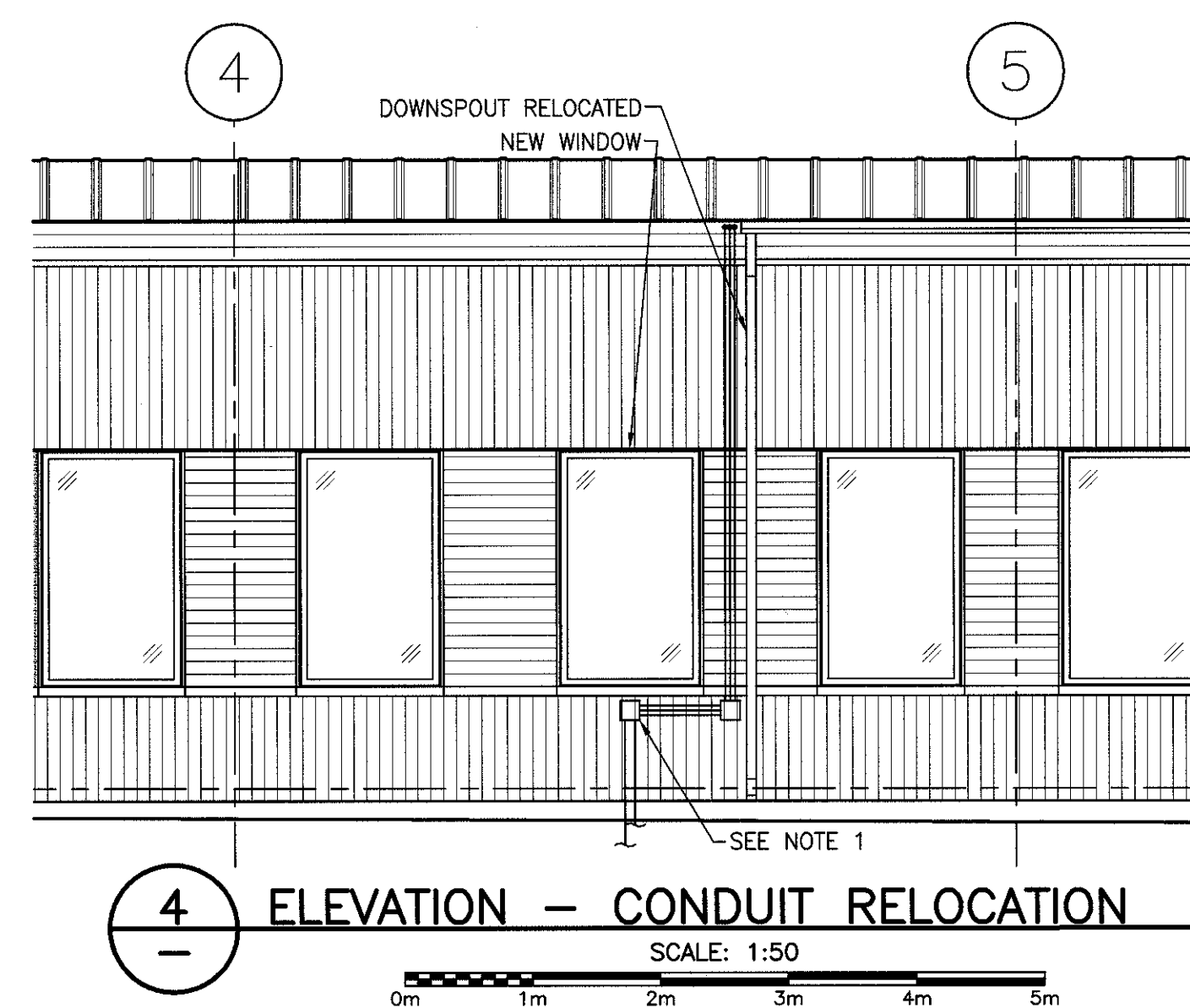
SCALE : N.T.S.

NOTES:

1. ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. EXTEND EXISTING FEEDERS AS REQUIRED.
3. BREAKER TO BE SIZED IN ACCORDANCE WITH THE SPD MANUFACTURER'S RECOMMENDATIONS.
4. REPLACE EXISTING SPARE 3P, 225A BREAKER WITH NEW BREAKER AS SHOWN. TURN OVER EXISTING SPARE BREAKER TO OWNER.

FEEDER SCHEDULE

- 1 EXISTING (3x1C #1/0 + #6 Cu. BOND IN 53mm C.)
- 2 4 #4/0 + #4 Cu. BOND IN 63mm DIRECT BURIED C.
- 3 3 #3 + #6 Cu. BOND IN 53mm C.
- 4 4x1C 500 MCM + #3 Cu. BOND IN 91 mm C.
- 5 4 #3/0 + #4 Cu. BOND IN 53mm C.
- 6 3 #4 + #8 Cu. BOND IN 35mm C.
- 7 3 #6 + #8 Cu. BOND IN 27mm C.
- 8 4 #2/0 + #6 Cu. BOND IN 53mm C.
- 9 2 #10 + #10 Cu. BOND IN 21mm C.
- 10 3 #6 + #8 Cu. BOND IN 27mm C.
- 11 3 #1 + #6 Cu. BOND IN 41mm C.
- 12 #6 TW75 GROUND TO GROUND BUS
- 13 4 #4/0 + #4 Cu. BOND IN 63mm C.



NOTES:

1. PROVIDE NEW CSA 4X JUNCTION BOX AND EXTEND THE EXISTING CONDUIT AND CABLE TO AVOID NEW WINDOW.