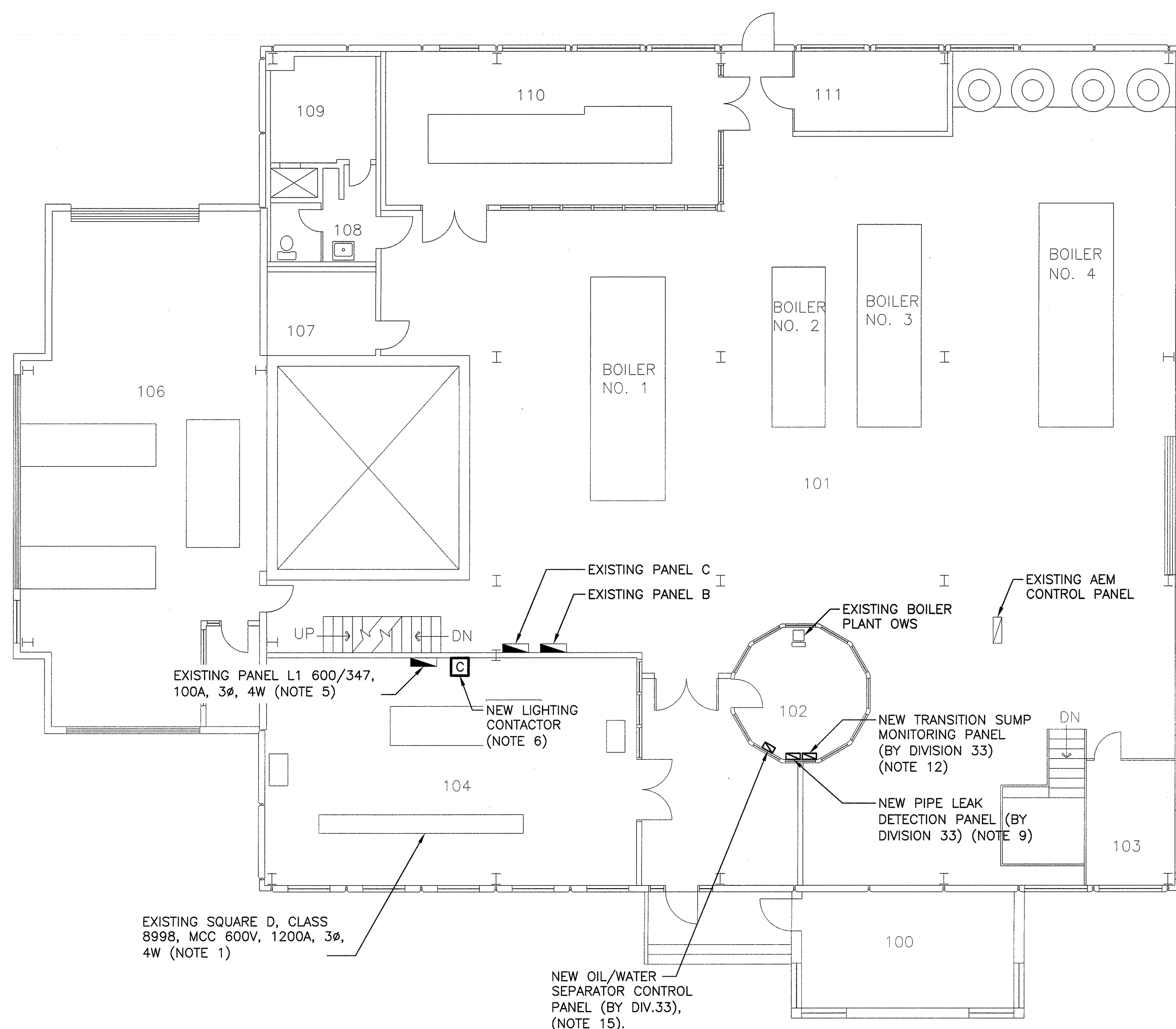


**BASEMENT FLOOR PLAN**

SCALE/ÉCHELLE: 1:100  
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

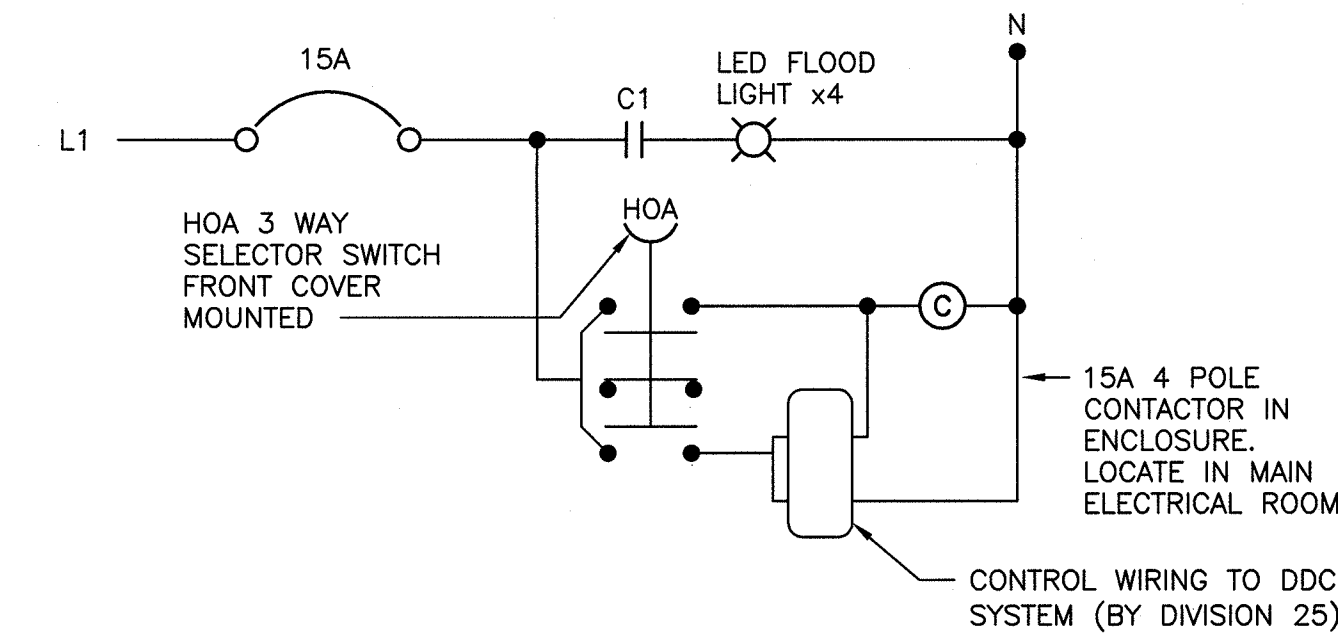


**MAIN FLOOR PLAN**

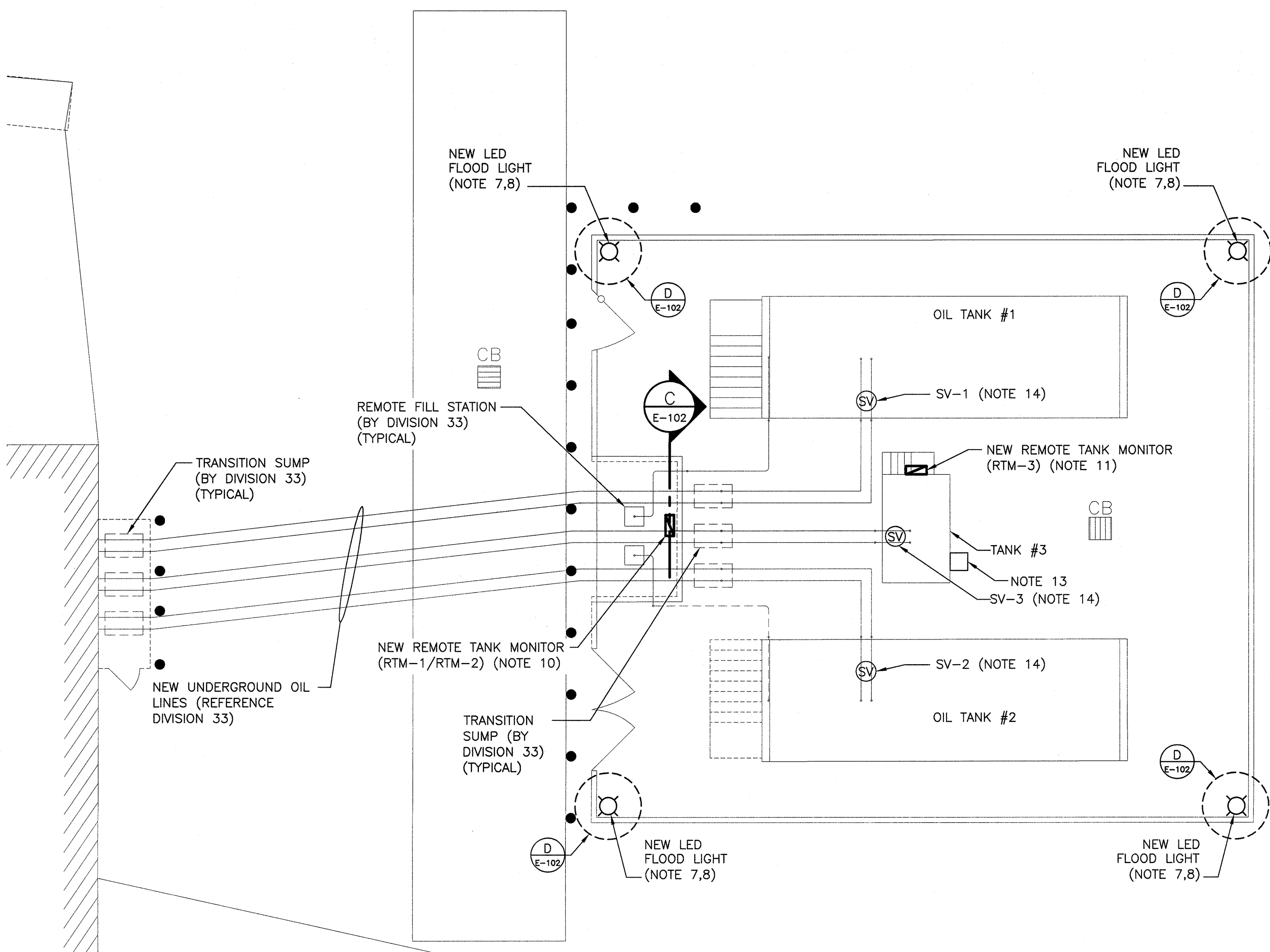
SCALE/ÉCHELLE: 1:100  
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

- NOTES:
- SUPPLY AND INSTALL NEW 15A 3P CIRCUIT BREAKER FOR NEW PUMP P-14 IN SPARE BUCKET (EC40) OF EXISTING 1200A, 600V, 3Ø 4W, SQUARE D MCC.
  - SUPPLY AND INSTALL 3#12 AWG + #14 BOND IN 21mm EMT FROM NEW BREAKER IN SQUARE D MCC TO NEW COMBINATION STARTER FOR P-14.
  - SUPPLY AND INSTALL NEW 600V, SIZE 1, COMBINATION STARTER WITH 3P, 30A, 600V FUSED DISCONNECT C/W CLASS J FUSING FOR P-14.
  - SUPPLY AND INSTALL 3#12 AWG + BOND TECK90 FROM NEW COMBINATION STARTER TO P-14.
  - SUPPLY AND INSTALL NEW 15A, 1P BREAKER IN EXISTING LIGHTING PANEL L1 FOR NEW FLOODLIGHTING.
  - SUPPLY AND INSTALL NEW 15A FLOODLIGHTING CONTACTOR IN NEMA 1 ENCLOSURE. CONTROL WIRING FROM DDC BY DIVISION 25.
  - SUPPLY AND INSTALL 2#12 AWG + #14 BOND IN 21mm EMT WIRING FOR NEW FLOODLIGHTING. TRANSITION WIRING TO UNDERGROUND DUCT BANK AS INDICATED.
  - SUPPLY AND INSTALL NEW LED STANCHION MOUNTED FLOODLIGHTS AS INDICATED. CONFIRM AND SET FINAL ORIENTATION AND TILT ANGLES UPON INSTALLATION. FINAL LOCATIONS SHALL BE IN COORDINATION WITH INSTALLATION OF CORNER FENCE POSTS.
  - SUPPLY AND INSTALL 2 #12 AWG + #14 BOND IN 21mm EMT FROM NEAREST AVAILABLE SPARE 15A, 120V CIRCUIT FOR NEW PIPE LEAK DETECTION PANEL (BY DIVISION 33). SUPPLY AND INSTALL NEW 15A BREAKER IN EXISTING PANELBOARD AS REQUIRED.
  - INSTALL NEW REMOTE TANK MONITORS RTM-1/RTM-2 (SUPPLIED BY DIVISION 33) COMPLETE WITH ELECTRICAL WIRING AS REQUIRED. TRANSITION WIRING TO UNDERGROUND DUCT BANK AS INDICATED. SUPPLY AND INSTALL NEW 15A BREAKER IN NEAREST AVAILABLE 120V PANELBOARD AS REQUIRED.
  - INSTALL NEW REMOTE TANK MONITOR RTM-3 (SUPPLIED BY DIVISION 33) COMPLETE WITH ELECTRICAL WIRING AS REQUIRED. TRANSITION WIRING TO UNDERGROUND DUCT BANK AS INDICATED. SUPPLY AND INSTALL NEW 15A BREAKER IN NEAREST AVAILABLE 120V PANELBOARD AS REQUIRED.
  - CONNECT EXISTING 120V WIRING FOR EXISTING VEEDER-ROOT PANEL TO NEW TRANSITION SUMP LEAK MONITORING PANEL (BY DIVISION 33).
  - PROVIDE 120V, 20A CIRCUIT FOR FUEL POLISHER (BY DIVISION 33).
  - SUPPLY AND INSTALL 2#12+14 BOND IN 21mm EMT FOR 120V SOLENOID VALVES (BY DIVISION 33). TRANSITION TO UNDERGROUND DUCT BANK AS INDICATED. TRANSITION TO TECK90 ABOVE SLAB. INSTALL WEATHERPROOF GASKET AT SOLENOID ENCLOSURE.
  - PROVIDE 120V, 15A CIRCUIT FOR OIL/WATER SEPARATOR PANEL (BY DIVISION 33).

LEGEND	
	FEEDER BACK TO PANEL-CONDUCTOR/CONDUIT SIZE AND QUANTITY AS INDICATED
	COMBINATION STARTER/FUSED DISCONNECT-SIZE AND RATING AS INDICATED
	DIRECT PUMP CONNECTION
	ELECTRICAL PANELBOARD
	CONTROL/INSTRUMENTATION PANEL
	LIGHTING CONTACTOR, AS INDICATED
	STANCHION MOUNT, LED FLOOD LIGHT
	UNDERGROUND ELECTRICAL DUCT, SIZE AND QUANTITY AS INDICATED
	CONDUIT UNDER CONCRETE SLAB, SIZE AND QUANTITY AS INDICATED
	STUB UP
	SOLENOID VALVE
	CONDUIT UP THROUGH CONCRETE SLAB

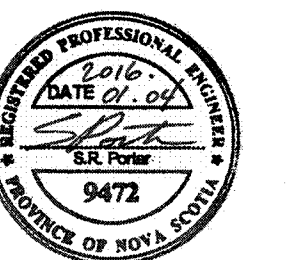
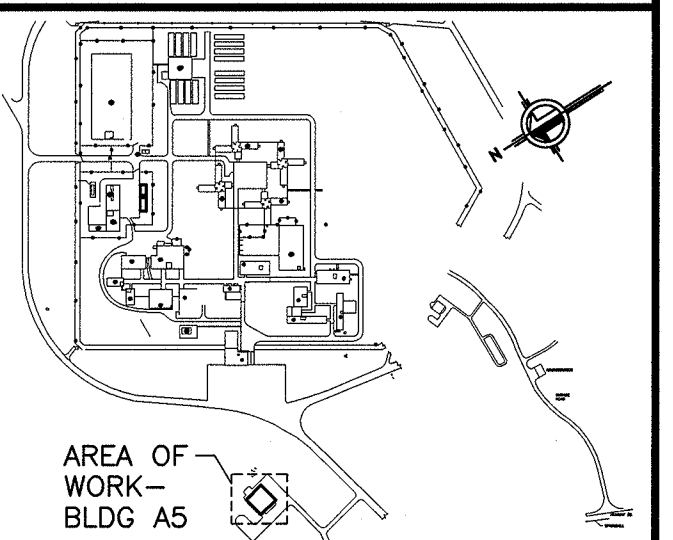


**FLOOD LIGHTING CONTROL SCHEMATIC**  
N.T.S.



**TANK FIELD LAYOUT**

SCALE/ÉCHELLE: 1:100  
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



0 RELEASED FOR CONSTRUCTION JAN. 04, 2016

revisions date

project date

**REPLACEMENT OF PETROLEUM STORAGE TANKS, BLDG A5 SPRINGHILL INSTITUTION**

drawing dessin

**ELECTRICAL LAYOUTS**

designed SRP conçu

date JAN. 04, 2016

drawn AUB dessiné

date JAN. 04, 2016

approved approuvé

date

Tender/Réponse soumission

Project Manager/Administrateur de projet 16401 DS

project number R.061879.001 no. du projet

drawing no. E-101 no. du dessin