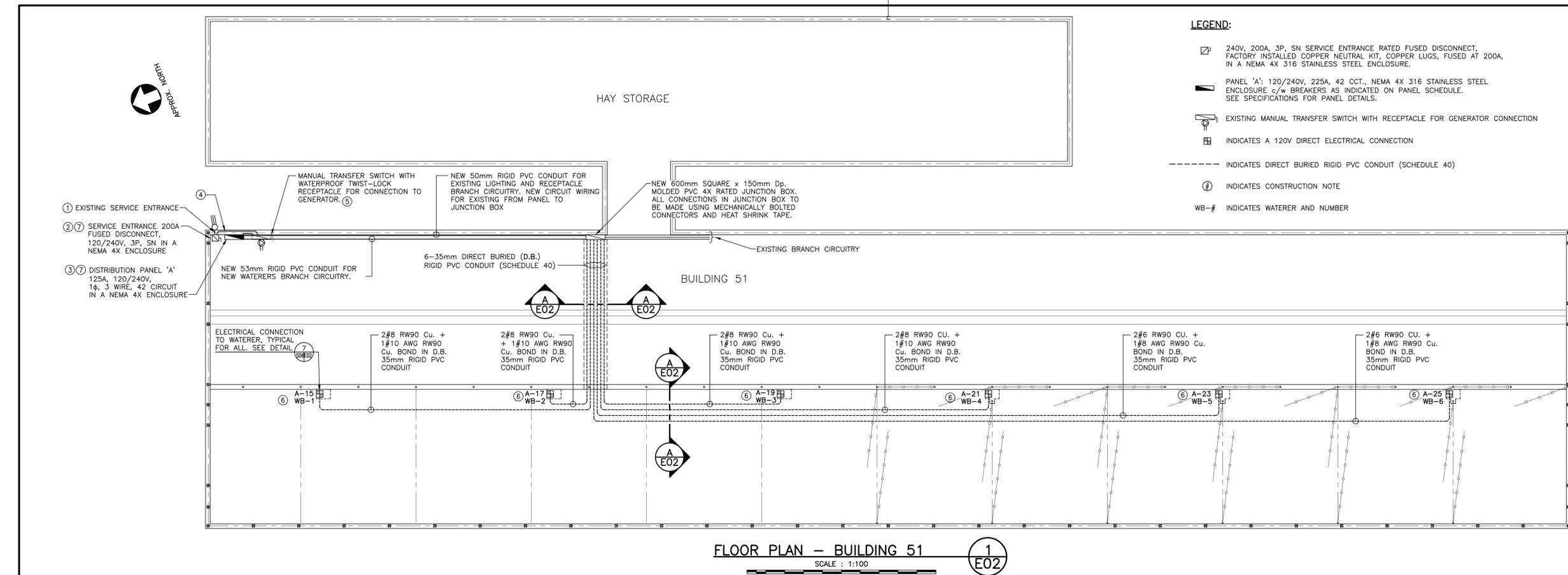


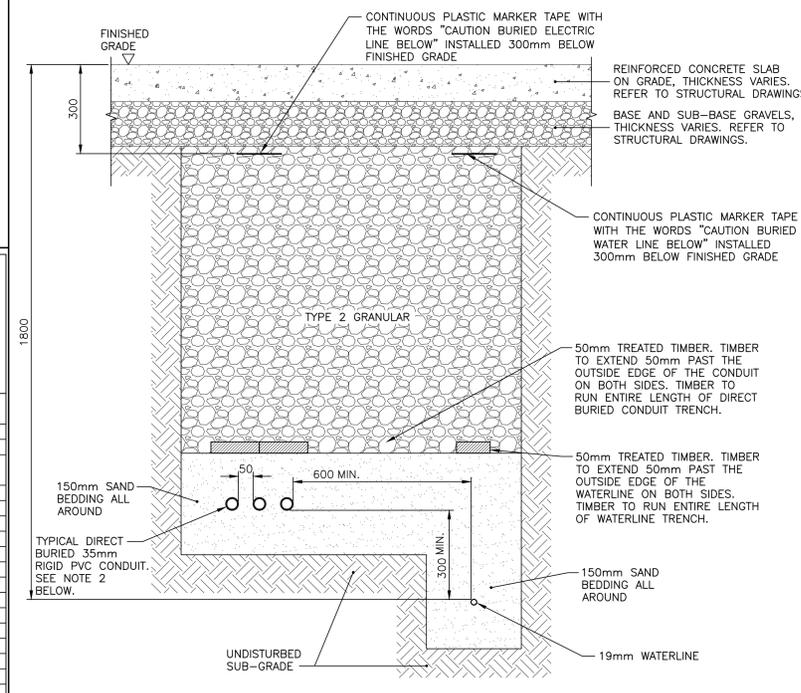
- LEGEND:**
- 240V, 200A, 3P, SN SERVICE ENTRANCE RATED FUSED DISCONNECT, FACTORY INSTALLED COPPER NEUTRAL KIT, COPPER LUGS, FUSED AT 200A, IN A NEMA 4X 316 STAINLESS STEEL ENCLOSURE.
  - PANEL 'A': 120/240V, 225A, 42 CCT., NEMA 4X 316 STAINLESS STEEL ENCLOSURE c/w BREAKERS AS INDICATED ON PANEL SCHEDULE. SEE SPECIFICATIONS FOR PANEL DETAILS.
  - EXISTING MANUAL TRANSFER SWITCH WITH RECEPTACLE FOR GENERATOR CONNECTION
  - INDICATES A 120V DIRECT ELECTRICAL CONNECTION
  - INDICATES DIRECT BURIED RIGID PVC CONDUIT (SCHEDULE 40)
  - INDICATES CONSTRUCTION NOTE
  - WB-# INDICATES WATERER AND NUMBER



**FLOOR PLAN – BUILDING 51**  
SCALE : 1:100

**CONSTRUCTION NOTES:**

- 1 DISCONNECT AND REMOVE EXISTING FEEDER FROM FUSED DISCONNECT TO NSPI CONNECTION AT SERVICE MAST. SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER FROM NSPI SERVICE CONNECTION TO NEW FUSED DISCONNECT SWITCH.
- 2 DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH. DISCONNECT FROM SYSTEM GROUND. SUPPLY AND INSTALL A NEW 240V, 200A SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH FUSED AT 200A. RECONNECT TO EXISTING SYSTEM GROUND. REFER TO LEGEND AND SPECIFICATION FOR DESCRIPTION OF DISCONNECT SWITCH.
- 3 DISCONNECT AND REMOVE EXISTING 120/240V, 200A DISTRIBUTION PANEL. TURN PANEL OVER TO DEPARTMENTAL REPRESENTATIVE. SUPPLY AND INSTALL A NEW 120/240V, 200A DISTRIBUTION PANEL c/w CIRCUIT BREAKERS AS PER PANEL SCHEDULE, DRAWING E02. REFER TO LEGEND AND SPECIFICATION FOR DESCRIPTION OF PANEL.
- 4 DISCONNECT EXISTING FEEDER BETWEEN DISCONNECT SWITCH AND MANUAL TRANSFER SWITCH TO FACILITATE REMOVAL OF DISCONNECT SWITCH. UPON COMPLETED INSTALLATION OF NEW DISCONNECT SWITCH SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER IN 53mm RIGID PVC CONDUIT BETWEEN DISCONNECT SWITCH AND MANUAL TRANSFER SWITCH.
- 5 DISCONNECT EXISTING FEEDER/CONDUIT BETWEEN PANEL 'A' AND MANUAL TRANSFER SWITCH TO FACILITATE REMOVAL OF PANEL 'A'. UPON COMPLETED INSTALLATION OF NEW PANEL 'A' SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER IN 53mm RIGID PVC CONDUIT BETWEEN PANEL 'A' AND MANUAL TRANSFER SWITCH. EXISTING MANUAL TRANSFER SWITCH AND RECEPTACLE TO REMAIN.
- 6 REDUCE WIRE SIZE TO #10 AWG RW90 Cu. FOR FINAL TRANSITION TRANSITION TO WATERER RECEPTACLE. PROVIDE ALL RACEWAY TO ALLOW FOR WIRE SIZE REDUCTION.
- 7 REMOVE EXISTING BACKBOARD FOR DISCONNECT SWITCH AND PANEL AFETR REMOVAL OF EQUIPMENT. PROVIDE NEW 19mm TREATED TIMBER PLYWOOD BACKBOARD FOR ELECTRICAL EQUIPMENT c/w ALL REQUIRED SUPPORTING SYSTEM. ALL SUPPORTING SYSTEM SHALL BE HOT DIPPED GALVANIZED. SIZE TO BE DETERMINED ON SITE. PAINT PLYWOOD WITH 3 LAYERS OF FIRE PROOF PAINT, ALL SIDES.



**SECTION**  
SCALE : 1:10

DESIGNATION	KW	CIR NO.	BKR	A	B	BKR	CIR NO.	KW	DESIGNATION	NOTES
UNKNOWN (ON) #1		1	15A			2P	2		UNKNOWN (ON) #7	
CEILING LIGHTS – LEFT SIDE		3	15A			30A	4		CEILING LIGHTS – LEFT SIDE	
CEILING LIGHTS – RIGHT SIDE		5	15A			15A	6		CEILING LIGHTS – RIGHT SIDE	
TIME CLOCK		7	15A			15A	8		RECEPTACLES LEFT SIDE BARN 5	
HAY STORAGE LIGHTS		9	15A			2P	10		HAY STORAGE LIGHTS	
UNKNOWN (ON) #2		11	15A			30A	12		UNKNOWN (ON) #2	
SPARE		13	15A						UNKNOWN (ON) #3	
UNKNOWN (ON) #3		15	15A			15A	16		OFFICE HEATER	
SPARE		17	2P			15A	18		OFFICE LIGHTS & PLUGS	
SPARE		19	15A						BLANK	
		21				15A	22		WATER BOWL	
		23				15A	24		WATER BOWL	
		25				15A	26		RECEPTACLES RIGHT SIDE	
		27				15A	28		RECEPTACLES FAR END WALL	
		29				15A	30		RECEPTACLES LEFT SIDE BARN 7	
		31				15A	32		RECEPTACLES RIGHT SIDE FAR END	
		33				15A	34		RECEPTACLES LEFT SIDE FAR END BARN 6	
WATER BOWL		35	15A			15A	36		UNKNOWN (ON) #9	
UNKNOWN (ON) #4		37	15A			15A	38		RECEPTACLES LEFT SIDE BARN 3	
UNKNOWN (ON) #5		39	15A			15A	40		RECEPTACLES LEFT SIDE BARN 1	
UNKNOWN (ON) #6		42	15A			15A	42		RECEPTACLES LEFT SIDE BARN 2	

DESIGNATION	KW	CIR NO.	BKR	A	B	BKR	CIR NO.	KW	DESIGNATION	NOTES
UNKNOWN (ON) #1		1	15A			2P	2		UNKNOWN (ON) #7	
CEILING LIGHTS – LEFT SIDE		3	15A			30A	4		CEILING LIGHTS – LEFT SIDE	
CEILING LIGHTS – RIGHT SIDE		5	15A			15A	6		CEILING LIGHTS – RIGHT SIDE	
TIME CLOCK		7	15A			15A	8		RECEPTACLES LEFT SIDE BARN 5	
HAY STORAGE LIGHTS		9	15A			2P	10		HAY STORAGE LIGHTS	
UNKNOWN (ON) #2		11	15A			30A	12		UNKNOWN (ON) #2	
UNKNOWN (ON) #3		13	15A			15A	14		OFFICE HEATER	
WATER BOWL (WB-1)		15	15A			15A	16		OFFICE LIGHTS & PLUGS	
WATER BOWL (WB-2)		17	15A			15A	18		RECEPTACLES RIGHT SIDE	
WATER BOWL (WB-3)		19	15A			15A	20		RECEPTACLES FAR END WALL	
WATER BOWL (WB-4)		21	15A			15A	22		RECEPTACLES LEFT SIDE BARN 7	
WATER BOWL (WB-5)		23	15A			15A	24		RECEPTACLES RIGHT SIDE FAR END	
WATER BOWL (WB-6)		25	15A			15A	26		RECEPTACLES LEFT SIDE FAR END BARN 6	
UNKNOWN (ON) #4		27	15A			15A	28		UNKNOWN (ON) #9	
UNKNOWN (ON) #5		29	15A			15A	30		RECEPTACLES LEFT SIDE BARN 3	
UNKNOWN (ON) #6		31	15A			15A	32		RECEPTACLES LEFT SIDE BARN 1	
SPARE		33	2P			15A	34		RECEPTACLES LEFT SIDE BARN 2	
SPARE		35	15A						BLANK	

NOTES: 1. EXISTING GFCI BREAKER

FEEDER EXISTING BEING REMOVED

⊕ "A" TOTAL N/A WATTS

⊕ "B" TOTAL N/A WATTS

TOTAL LOAD N/A KW N/A AMPS

NOTES: 1. NEW CIRCUIT WITH NEW GFCI PROTECTED BREAKER (SEE SPEC SECTION 26 28 20)

2. EXISTING CIRCUIT WITH NEW GFCI PROTECTED BREAKER (SEE SPEC SECTION 26 28 20)

3. EXISTING CIRCUIT WITH NEW BREAKER

FEEDER NEW 3#3/0 AWG RW90 Cu. In 53mm RIGID PVC CONDUIT

⊕ "A" TOTAL N/A WATTS

⊕ "B" TOTAL N/A WATTS

TOTAL LOAD N/A KW N/A AMPS

**NOTE:**  
EXTEND EXISTING BRANCH CIRCUIT CABLE/WIRING/CONDUITS AS REQUIRED TO MATCH EXISTING CIRCUITS

0 ISSUED FOR TENDER FEB 25 2020

project **SITE IMPROVEMENTS AAFCC NAPPAN** project

**CUMBERLAND COUNTY NOVA SCOTIA**

drawing **BUILDING 51 ELECTRICAL LAYOUT, DETAILS AND NOTES FOR NEW WATERERS** dessin

designed K.G. WOLFE conçu

date FEBRUARY 2020

drawn K.G. WOLFE dessiné

date FEBRUARY 2020

approved

date

Tender

PWSC Project Manager Administrateur de projets TPSC

project number **R.106505.001** no. du projet

drawing no. **E02** no. du dessin