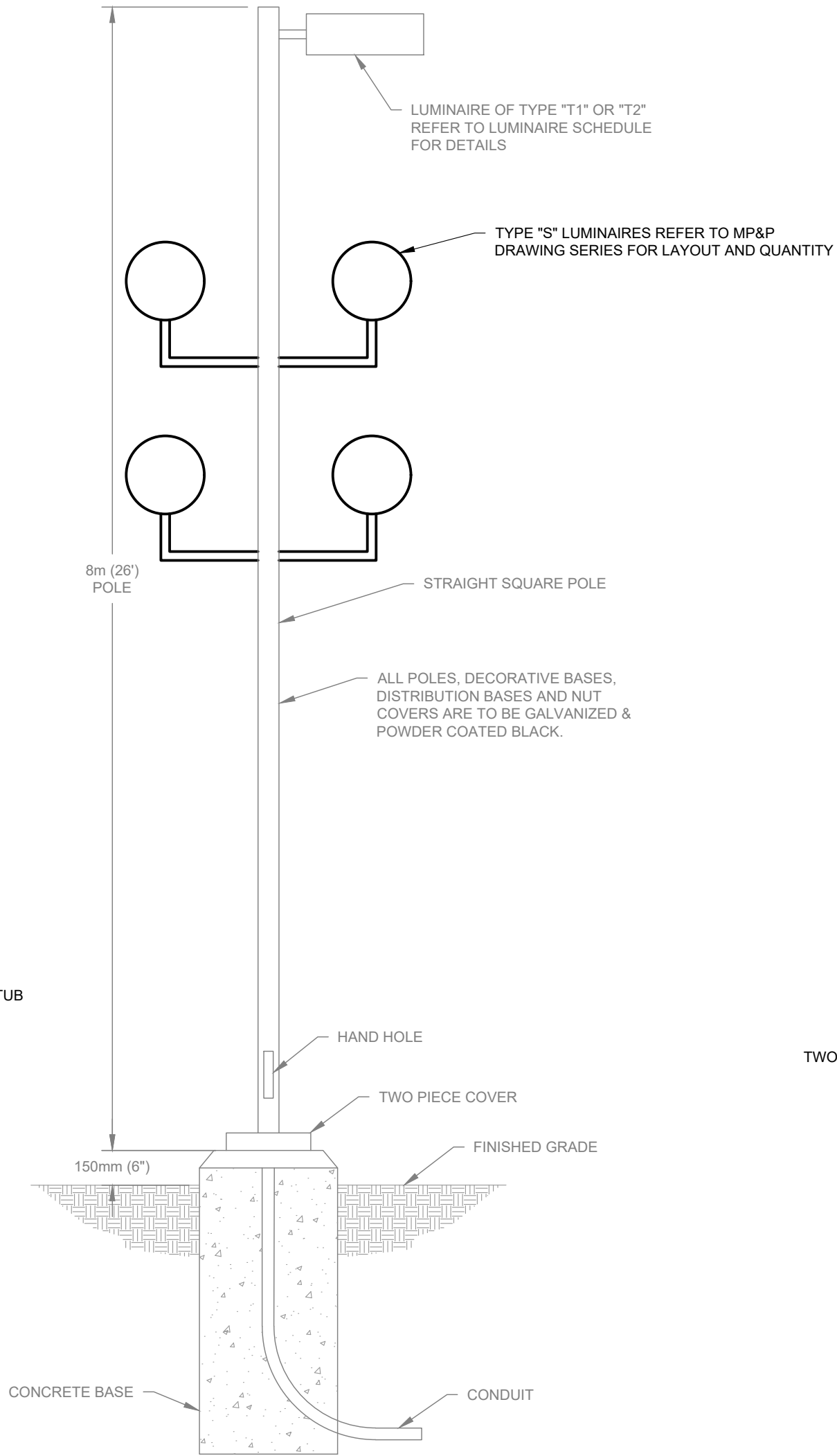


DETAIL 1 - RECEPTACLE PARKING LOT - POST MOUNTING DETAIL

SCALE: NTS
(REFER TO SHEET E-32 + E-34 FOR INDICATED LOCATION)

RECEPTACLE PARKING LOT POST NOTES:

1. CONDUIT AND RECEPTACLE ENCLOSURE ARE TO BE PAINTED BLACK (POWDER COATED) TO MATCH PARKING PEDESTAL AND LIGHT POST

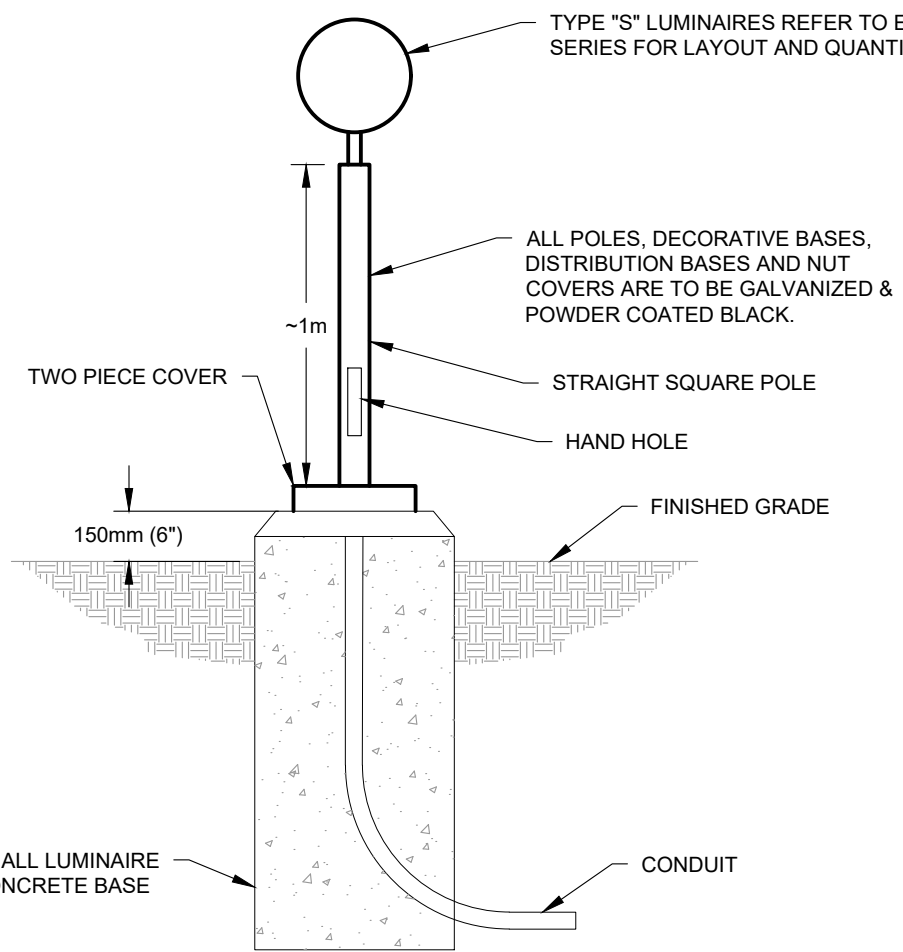


DETAIL 2 - POLE LUMINAIRE FIXTURE TYPE "S + T" MOUNTING DETAIL

SCALE: NTS

EXTERIOR LIGHT FIXTURE NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1 & 2. THIS INCLUDES ALL BASES & CONDUITS.
2. POLE AND LUMINAIRE OF TYPE "T" WERE PROVIDED AS PART OF PHASE 2. TYPE "S" FIXTURES AND ASSOCIATED WIRING AND CONTROLS ARE PART OF PHASE 3.
3. POLE IS FOR REFERENCE PURPOSES. COORDINATE WITH SHEET E-34 FOR TYPE LIGHT LOCATION.

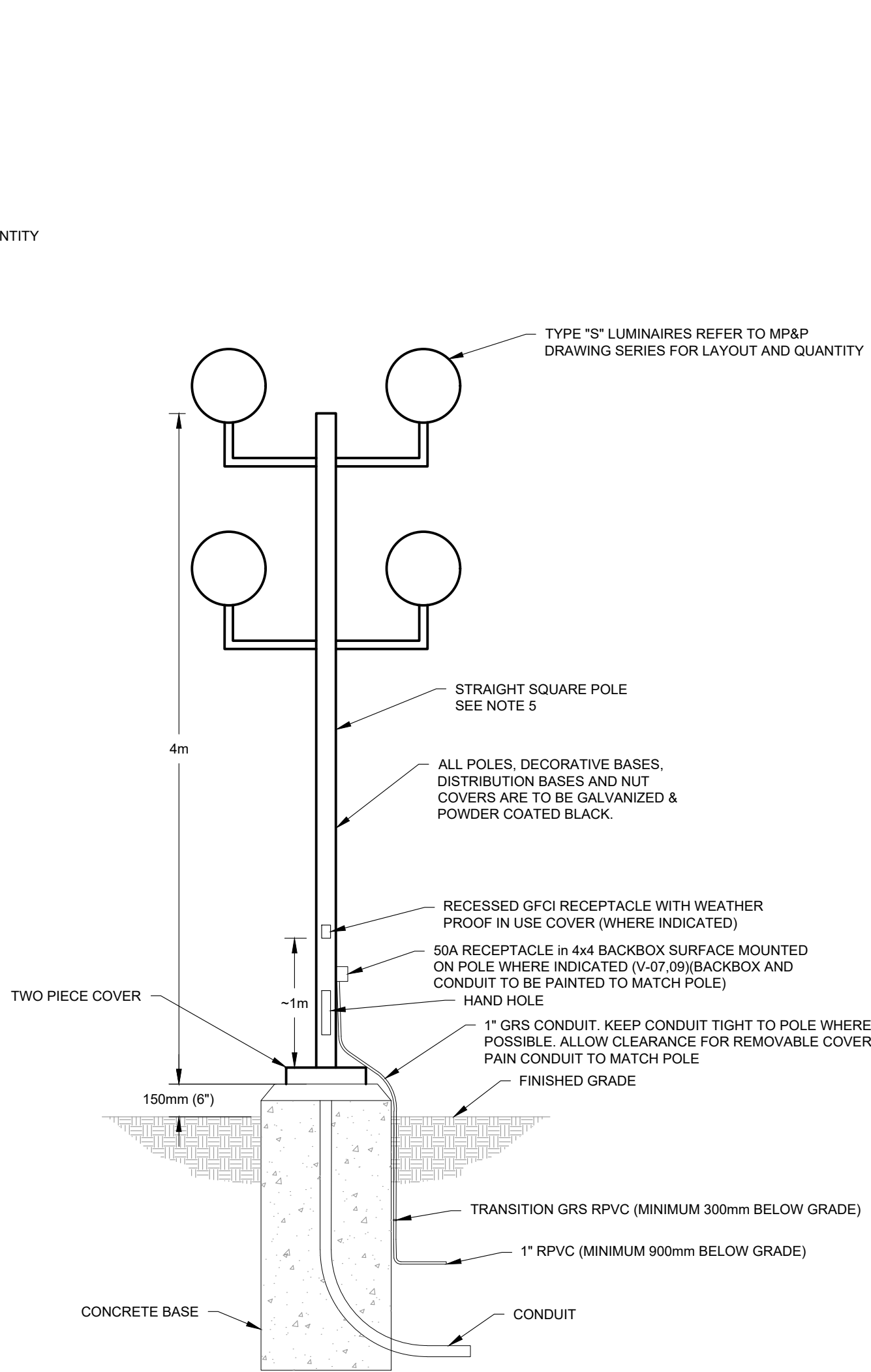


DETAIL 8 - POLE LUMINAIRE FIXTURE TYPE "S1" MOUNTING DETAIL

SCALE: NTS

EXTERIOR LIGHT FIXTURE NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1 & 2. THIS INCLUDES ALL BASES & CONDUITS.
2. ALL ABOVE GRADE WORK IS TO BE COMPLETED AS PART OF PHASE 3. WIRING AND CONTROLS ARE PART OF PHASE 3.
3. POLE IS FOR REFERENCE PURPOSES. COORDINATE WITH SHEET E-32 FOR TYPE LIGHT LOCATION.

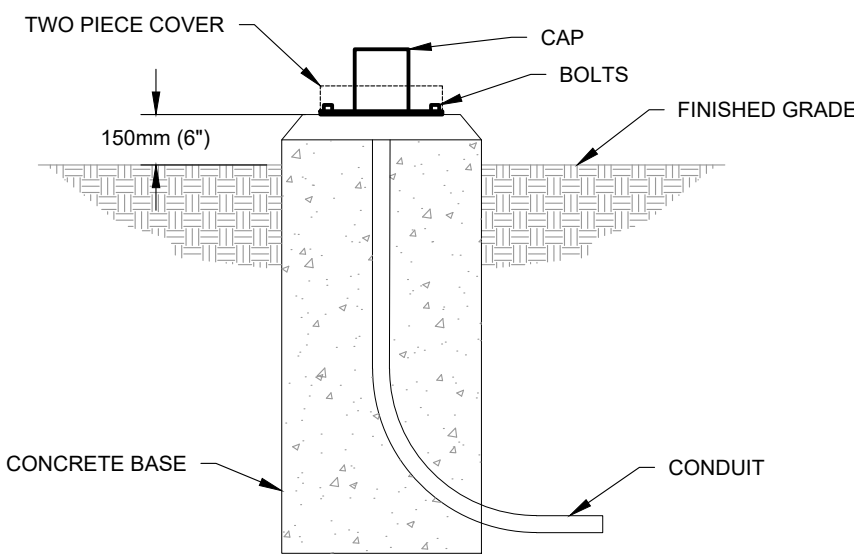


DETAIL 3 - POLE LUMINAIRE FIXTURE TYPE "S" MOUNTING DETAIL

SCALE: NTS

EXTERIOR LIGHT FIXTURE NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1 & 2. THIS INCLUDES ALL BASES & CONDUITS.
2. ALL ABOVE GRADE WORK IS TO BE COMPLETED AS PART OF PHASE 3. WIRING AND CONTROLS ARE PART OF PHASE 3.
3. POLE IS FOR REFERENCE PURPOSES. COORDINATE WITH SHEET E-32 FOR TYPE LIGHT LOCATION.
4. POLE AT LOCATION INDICATED HAS TO BE HINGED TO ALLOW FOR EASE OF REMOVAL. HINGED PART IS TO BE COORDINATED WITH HAND HOLE AND RECEPTACLE LOCATION. ALLOW FOR EXTRA WIRE LENGTH TO ALLOW FOR HINGING ACTION.
5. REFER TO PHASE 2 SHOP DRAWINGS FOR POLE INFORMATION ON POLES PROVIDED AS PART OF PHASE 2. PROVIDE ALL NECESSARY POLES TO COMPLETE PHASE 3.

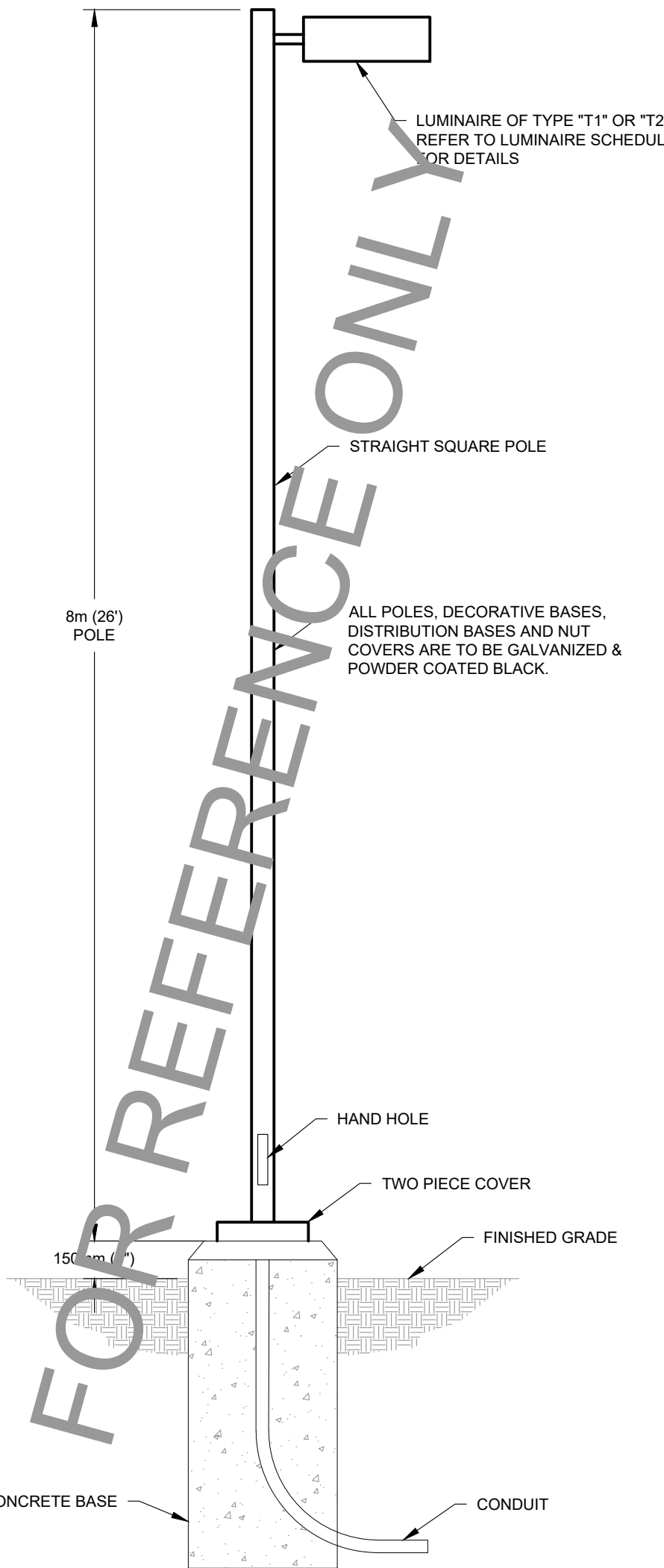


DETAIL 6 - REMOVABLE POLE LUMINAIRE FIXTURE WITH TYPE "S" REMOVED MOUNTING DETAIL

SCALE: NTS

EXTERIOR LIGHT FIXTURE NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1 & 2. THIS INCLUDES ALL BASES & CONDUITS.
2. ALL ABOVE GRADE WORK IS TO BE COMPLETED AS PART OF PHASE 3. WIRING AND CONTROLS ARE PART OF PHASE 3.
3. CAP IS TO BE SUITABLE TO PROTECT WIRES WHEN TYPE "S" POLE IS REMOVED. CAP IS TO BE GALVANIZED & POWDER COATED BLACK PAINTED.
4. CAP IS TO BE COORDINATED WITH HINGING POLE TO SUIT.
5. PROVIDE LOCKING MECHANISM FOR CAP TO BE PREVENT UNAUTHORIZED ACCESS.

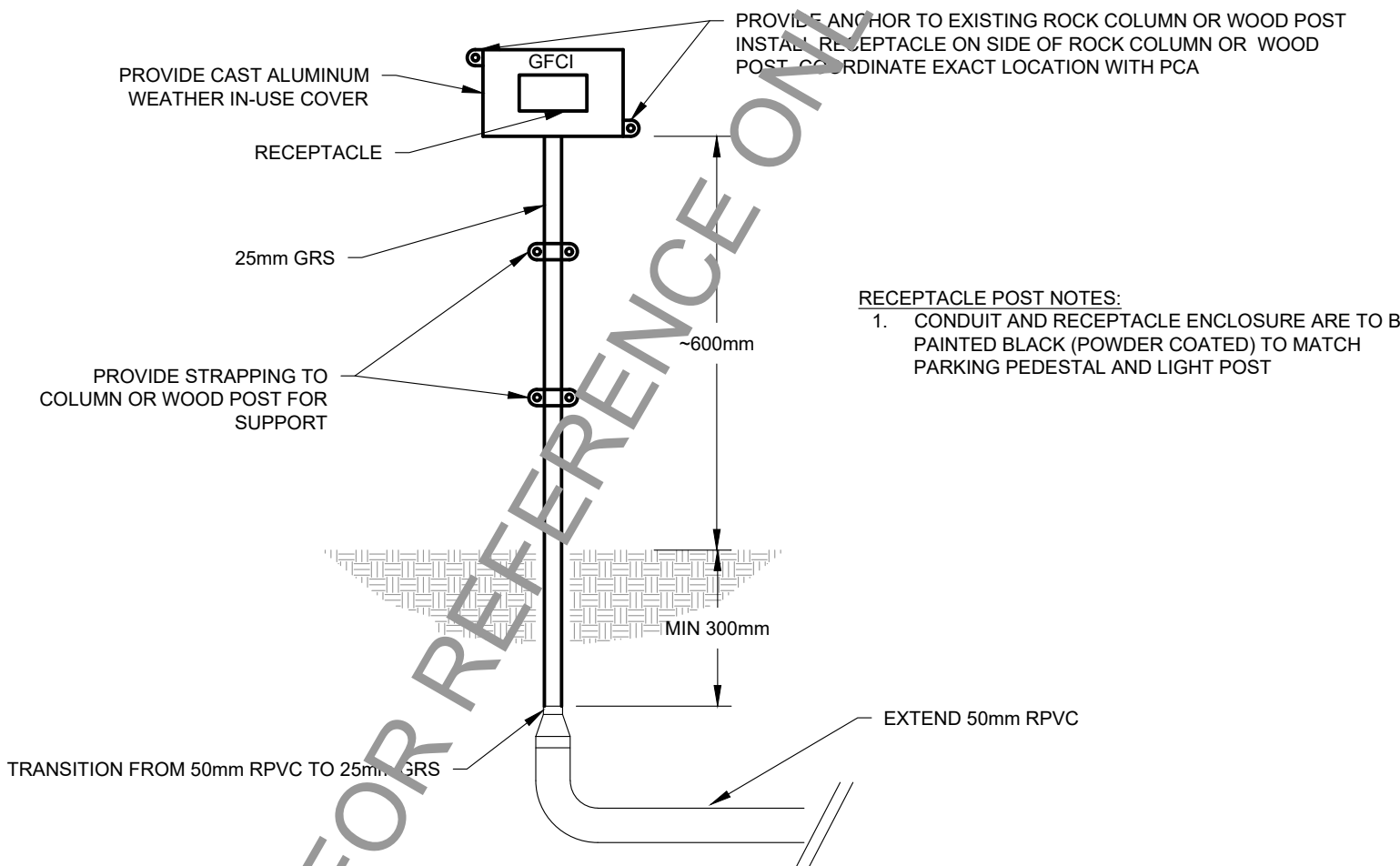


DETAIL 4 - POLE LUMINAIRE FIXTURE TYPE "T1" OR "T2" MOUNTING DETAIL

SCALE: NTS

EXTERIOR LIGHT FIXTURE NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1. THIS INCLUDES ALL BASES & CONDUITS.
2. ALL ABOVE GRADE WORK WAS COMPLETED AS PART OF PHASE 2. WIRING WAS PART OF PHASE 2.



DETAIL 7 - RECEPTACLE POST MOUNTING DETAIL

SCALE: NTS

(SEE SHEET E-32)

DETAIL 5 - PARKING PEDESTAL DETAIL

SCALE: NTS

PARKING POST NOTES:

1. ALL BELOW GRADE WORK WAS COMPLETED AS PART OF PHASE 1 & 2. THIS INCLUDES ALL BASES & CONDUITS.
2. ALL ABOVE GRADE WORK IS TO BE COMPLETED AS PART OF PHASE 3. WIRING AND CONTROLS ARE PART OF PHASE 3.
3. CONDUIT AND RECEPTACLE ENCLOSURE ARE TO BE PAINTED BLACK (POWDER COATED) TO MATCH PARKING PEDESTAL AND LIGHT POST.
4. PROVIDE LUGS IN BASE OF PEDESTAL SUITABLE FOR 3 WIRES (#6 MINIMUM). RUN #12 WIRE FOR LUGS UP TO MINI BREAKER AT TOP OF PEDESTAL FOR RECEPTABLES.

Client



Parks Canada Agency

L'Agence Parcs Canada

Western and Northern Region

Ouest et Nord du Canada



McElhanney Consulting Services Ltd.

#203, 502 Bow Valley Trail
CANMORE AB, T1W 1N9
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PH (403) 609-3992
FAX (403) 609-3989

PERMIT NUMBER: P 6383

01	ISSUED FOR TENDER - PHASE 3	16/11/17
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REVISIONS	DESCRIPTION	DATE
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A	A detail number number du detail	A
B	B source drawing no. de dessin no.	B
C	C detail on drawing no. detail sur dessin no.	C

project title

**BANFF ADMINISTRATION BUILDING
PARKING LOT REHABILITATION
PHASE 3**

**BANFF TOWN CENTER
BANFF NATIONAL PARK, BANFF AB**

drawing title

**ELECTRICAL SCHEDULES &
DETAILS**

designed by

TI

conçu par

drawn by

EL/TI

dessiné par

approved by

LL

approuvé par

PWOSD Project Manager

MATTHEW WHALEN

Administrateur de Projets TPSGC

scale

AS NOTED

feuille

project no.

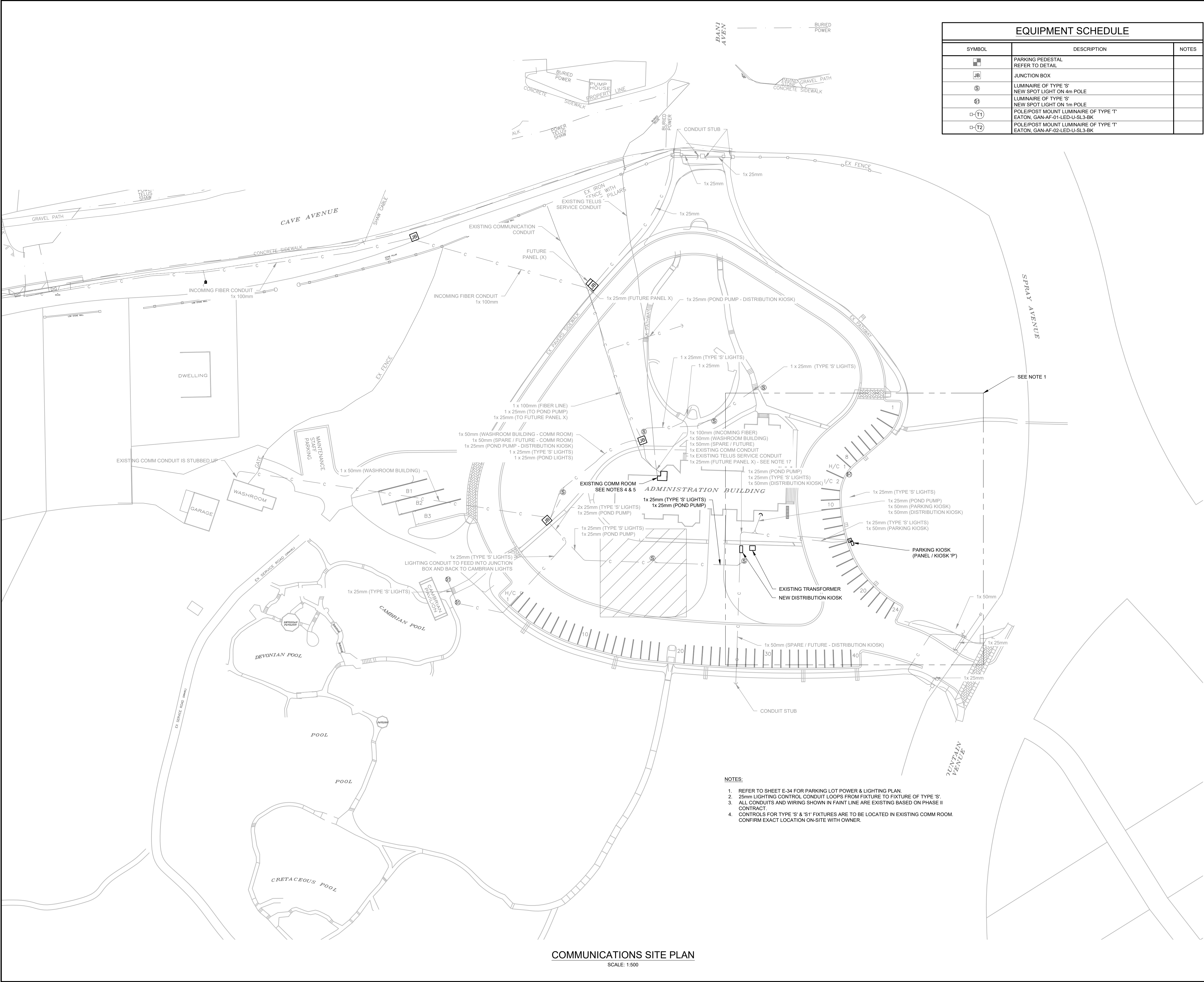
MCSL 2531-13503

sheet

E-31

date

16 DECEMBER 2017



EQUIPMENT SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
	PARKING PEDESTAL REFER TO DETAIL	
	JUNCTION BOX	
	LUMINAIRE OF TYPE 'S' NEW SPOT LIGHT ON 4m POLE	
	LUMINAIRE OF TYPE 'S' NEW SPOT LIGHT ON 1m POLE	
	POLE/POST MOUNT LUMINAIRE OF TYPE 'T' EATON, GAN-AF-01-LED-U-SL3-BK	
	POLE/POST MOUNT LUMINAIRE OF TYPE 'T' EATON, GAN-AF-02-LED-U-SL3-BK	

COMMUNICATIONS SITE PLAN
SCALE: 1:500

- NOTES:
- REFER TO SHEET E-34 FOR PARKING LOT POWER & LIGHTING PLAN.
 - 25mm LIGHTING CONTROL CONDUIT LOOPS FROM FIXTURE TO FIXTURE OF TYPE 'S'.
 - ALL CONDUITS AND WIRING SHOWN IN FAINT LINE ARE EXISTING BASED ON PHASE II CONTRACT.
 - CONTROLS FOR TYPE 'S' & 'S1' FIXTURES ARE TO BE LOCATED IN EXISTING COMM ROOM. CONFIRM EXACT LOCATION ON-SITE WITH OWNER.

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Parks Canada
Agency

L'Agence Parcs
Canada

Western and
Northern Region

Ouest et Nord
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A

C

A detail number
number du detail
de dessin no.

A

B

C

B source drawing no.
de dessin no.

A

C

C detail on drawing no.
detail sur dessin no.

project title

titre du projet

**BANFF ADMINISTRATION BUILDING
PARKING LOT REHABILITATION
PHASE 3****BANFF TOWN CENTER
BANFF NATIONAL PARK, BANFF AB**

drawing title

titre du dessin

**COMMUNICATIONS SITE
PLAN**

designed by

conçu par

TI

drawn by

dessiné par

EL/TI

approved by

approuvé par

LL

PWOSC Project Manager

Administrateur de Projets TPSGC

MATTHEW WHALEN

scale

échelle

1:500

project no.

projet no.

MCSL 2531-13503

date

date

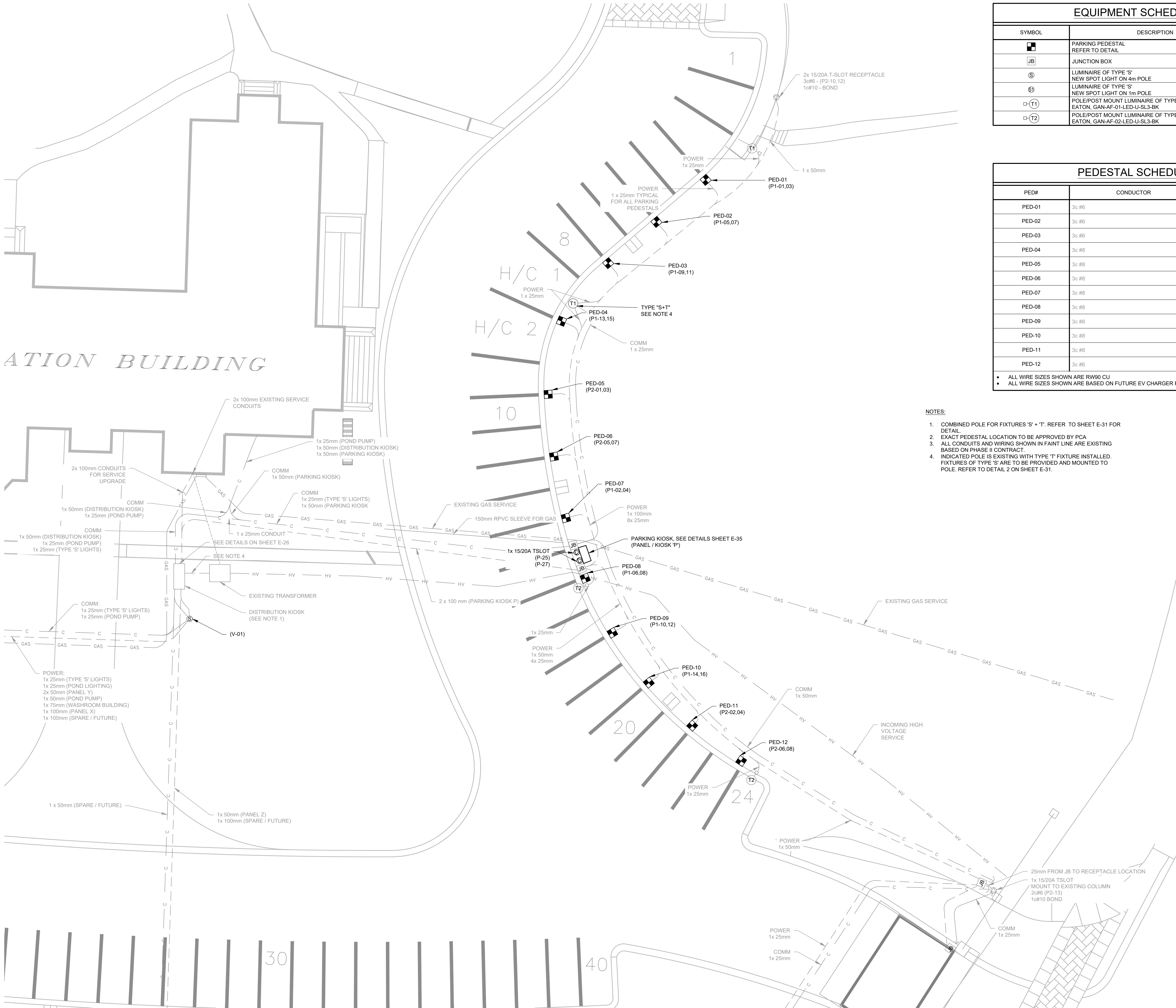
16 DECEMBER 2017

sheet

feuille

E-33

841 x 594



EQUIPMENT SCHEDULE		
SYMBOL	DESCRIPTION	NOTES
	PARKING PEDESTAL REFER TO DETAIL	
	JUNCTION BOX	
	LUMINAIRE OF TYPE 'S' NEW SPOT LIGHT ON 4m POLE	
	LUMINAIRE OF TYPE 'S' NEW SPOT LIGHT ON 1m POLE	
	POLE/POST MOUNT LUMINAIRE OF TYPE 'T' EATON, GAN-AF-01-LED-U-SL3-BK	
	POLE/POST MOUNT LUMINAIRE OF TYPE 'T' EATON, GAN-AF-02-LED-U-SL3-BK	

PEDESTAL SCHEDULE		
PED#	CONDUCTOR	REMARKS
PED-01	3c #6	
PED-02	3c #6	
PED-03	3c #6	
PED-04	3c #8	
PED-05	3c #8	
PED-06	3c #8	
PED-07	3c #8	
PED-08	3c #8	
PED-09	3c #8	
PED-10	3c #8	
PED-11	3c #8	
PED-12	3c #6	

- ALL WIRE SIZES SHOWN ARE RW90 CU
- ALL WIRE SIZES SHOWN ARE BASED ON FUTURE EV CHARGER REQUIREMENTS.

PERMIT NUMBER: P 6383

01	ISSUED FOR TENDER – PHASE 3	16/11/17
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REVISIONS	DESCRIPTION	DATE
A	detail number	A
B	source drawing no.	B
C	detail on drawing no.	C

project title
**BANFF ADMINISTRATION BUILDING
PARKING LOT REHABILITATION
PHASE 3**

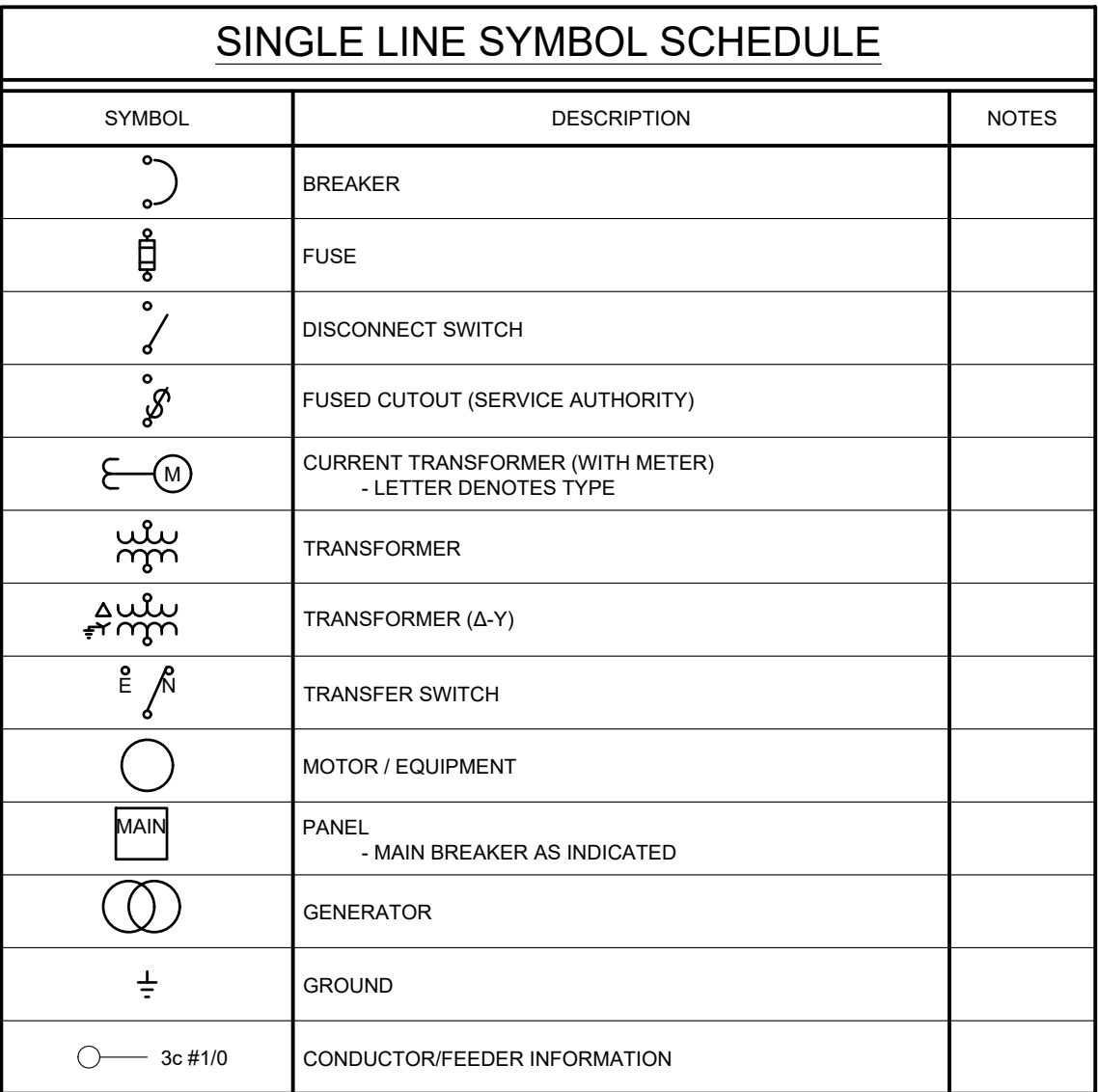
titre du projet

**BANFF TOWN CENTER
BANFF NATIONAL PARK, BANFF AB**

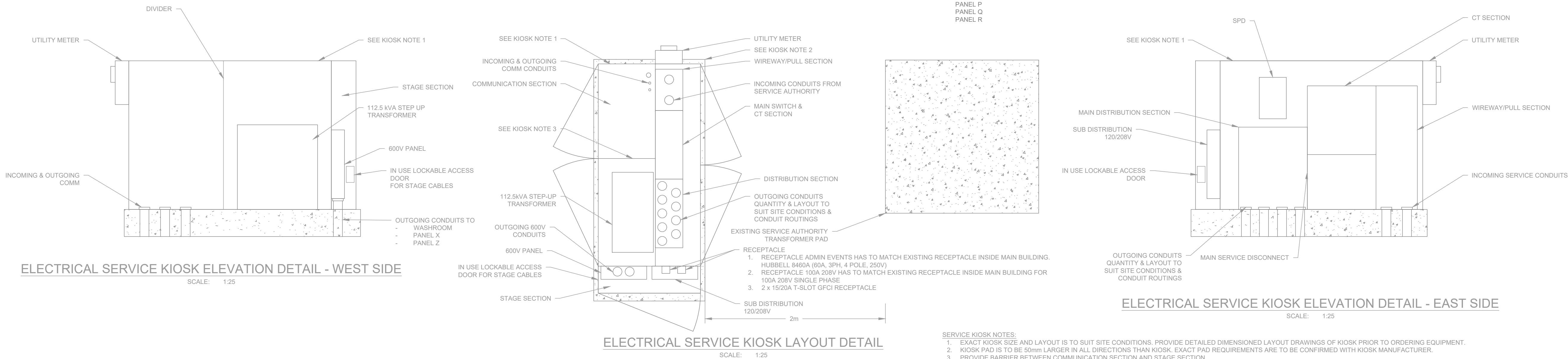
drawing title
**PARKING LOT POWER &
LIGHTING PLAN**

titre du dessin

designed by TI	conçu par
drawn by EL/TI	dessiné par
approved by LL	approuvé par
PWOSC Project Manager MATTHEW WHALEN	Administrateur de Projets TPSGC
scale échelle 1:150	sheet feuille E-34
project no. MCSL 2531-13503	project no.
date 16 DECEMBER 2017	date



SINGLE LINE DIAGRAM



ELECTRICAL SERVICE KIOSK ELEVATION DETAIL - EAST SIDE

PANEL MDC							
MOUNTING -				FEEDER SIZE -			
LOCATION - MAIN KIOSK				VOLTAGE - 120/208			
FEEDER PANEL - TRANSFORMER				MAIN BUS - 800A			
FEEDER BKR -				MAIN BREAKER - 800A			
NOTE	DESCRIPTION	BKR	CIRCUIT		BKR	DESCRIPTION	NOTE
--		300 01	→	←	02 400		--
--	PANEL 6A	300 03	→	←	04 400	PANEL P	--
--		300 06	→	←	06 400		--
--		100 07	→	←	08 100		--
--	PANEL Y	100 09	→	←	10 100	LIGHT CORDS	--
--		100 11	→	←	12 100		--
--		600 13	→	←	14 100		--
--	MAIN BUILDING	600 15	→	←	16 100	SOUND CORDS	--
--		600 17	→	←	18 100		--
--		100 19	→	←	20 --	--	--
--	PANEL V	100 21	→	←	22 --	--	--
--		100 23	→	←	24 --	--	--

GENERAL NOTES

1. ALL PANELS TO HAVE LAMACOID LABELS
2. BREAKER PANELS TO BE EATON OR SQUARE D

PANEL P1

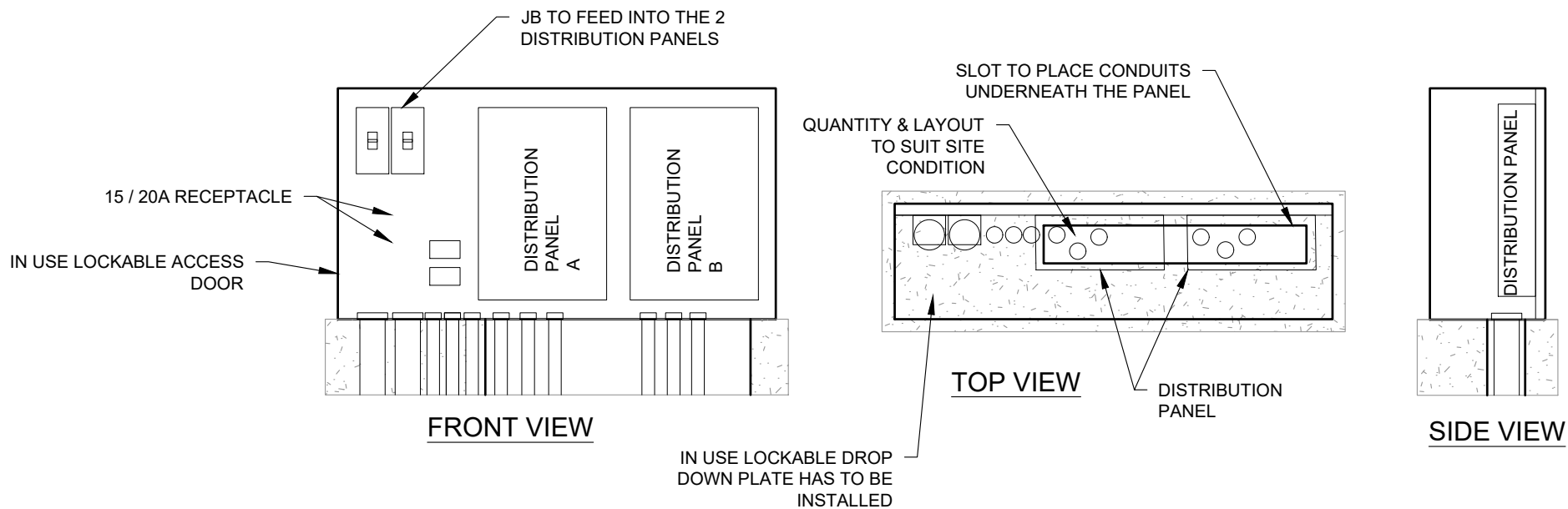
MOUNTING - LOCATION - PARKING LOT FEEDER PANEL- MAIN FEEDER BKR - MAIN-02,04,06				FEEDER SIZE - 4c#600MCM VOLTAGE - 120/208V MAIN BUS - 2250A MAIN BREAKER - 200A			
NOTE	DESCRIPTION	BKR	CIRCUIT	BKR	DESCRIPTION	NOTE	
---	PED-01	50	01	02	50	PED-07	
---	---	50	03	04	50	---	
---	---	50	05	06	50	---	
---	PED-02	50	07	08	50	PED-08	
---	---	50	09	10	50	---	
---	PED-03	50	11	12	50	PED-09	
---	---	50	13	14	50	---	
---	PED-04	50	15	16	50	PED-10	
---	---	50	17	18	50	---	

PANEL P2

MOUNTING - LOCATION - PARKINGLOT FEEDER PANEL- MAIN FEEDER BKR - MAIN-02,04,06				FEEDER SIZE - 4c#600MCM VOLTAGE - 120/208V MAIN BUS - 225A MAIN BREAKER - 200A			
NOTE	DESCRIPTION	BKR	CIRCUIT	BKR	DESCRIPTION	NOTE	
--	PED-05	50	01	02	PED-11	--	
--		50	03	04		--	
--	PED-06	50	05	06	PED-12	--	
--		50	07	08		--	
--	RECEPTACLE IN PANEL	20	09	10	RECEPTACLE AT POST	--	
--	RECEPTACLE IN PANEL	20	11	12		--	
--	ENTRY GATE RECEPTACLE	20	13	14	--	--	
--		--	15	16	--	--	
--		--	17	--	--	--	

PANEL P NOTES:

1. EXACT KIOSK SIZES AND LAYOUT IS TO SUIT SITE CONDITIONS.
2. PROVIDE DETAIL DIMENSIONED LAYOUT DRAWINGS OF KIOSKS PRIOR TO ORDERING EQUIPMENT.
3. KIOSK PADS ARE TO BE 50mm LARGER IN ALL DIRECTIONS THAT KIOSKS. EXACT PAD REQUIREMENTS ARE TO BE CONFIRMED WITH KIOSK MANUFACTURER.
4. CONTRACTOR RESPONSIBLE FOR FINAL LAYOUT & CONFIGURATION. KIOSKS ARE TO BE SIZED TO ALLOW FOR ALL EQUIPMENT SHOWN AND ANY ANCILLARY EQUIPMENT REQUIRED.
5. KIOSK COATINGS TO BE POLYURETHANE OR POLYESTER/PCA.
6. FINISH TO BE BLACK POWDER COATED
7. ALL KIOSKS AND PANELS ARE TO HAVE THE SAME MASTER KEY.
8. PRICING IS TO INDICATE ANY ASSUMPTIONS MADE REGARDING PANEL COATINGS.
9. ALL PANELS ARE TO BE MADE AS SMALL AS POSSIBLE.
10. CONTRACTOR TO SUBMIT SHOP DRAWINGS BEFORE ORDERING.
11. PANEL AND KIOSK QUALITY STANDARD HAS TO BE EQUAL TO VALID PRODUCT ENCLOSURES PREMIUM DESIGN OR APPROVED EQUAL.
12. ALL PANELS TO HAVE LAMINOID LABELS. LABELS ARE TO HAVE 36mm TALL LETTERING ON MINIMUM 50mm SQUARE.
13. BREAKER PANELS ARE TO BE EATON OR SIMILAR D WITH BOLT ON BREAKERS



PANEL P DETAILS AND ELEVATION