

LEGEND

- WHITE RUNWAY EDGE LIGHT PULLPIT MOUNTED
- WHITE RUNWAY EDGE LIGHT STAKE MOUNTED
- BLUE TAXIWAY / APRON EDGE LIGHT PULLPIT MOUNTED
- BLUE TAXIWAY / APRON EDGE LIGHT STAKE MOUNTED
- YELLOW APRON EDGE LIGHT PULLPIT MOUNTED
- YELLOW APRON EDGE LIGHT STAKE MOUNTED

59.133m (TYP.)

- RED / GREEN END / THRESHOLD LIGHT STAKE MOUNTED (GREEN TO FACE APPROACH)
- ABBREVIATED PRECISION APPROACH PATH INDICATOR (APAPI)
- ILLUMINATED WINDSOCK

RUNWAY HOLD SIGN

TAXIWAY TURN-OFF SIGN

LA APRON FLOOD LIGHT

AERODROME BEACON

15A RECEPTACLE

- **PULLPIT**
- ---- CABLE / CONDUIT

NEW AIRFIELD SIGN SCHEDULE									
SIGN / DTG NO.	SIGN FACE	CHARACTER HEIGHT (mm)	BACKGROUND COLOUR	CHARACTER COLOUR	CCT TO CONNECT TO	NOTES			
SIGN #1	A →	300	YELLOW	BLACK	EDGE LIGHT CCT	-			
SIGN #2	← A	300	YELLOW	BLACK	EDGE LIGHT CCT	-			
SIGN #3	12-30 A	300 300	RED BLACK	WHITE YELLOW	EDGE LIGHT CCT	-			
SIGN #4	A 12-30	300 300	BLACK RED	YELLOW WHITE	EDGE LIGHT CCT	-			

PERPENDICULAR DISTANCE FROM DEFINED TAXIWAY EDGE TO NEAR SIDE OF SIGN TO BE BETWEEN 5 - 11m.

59.133m

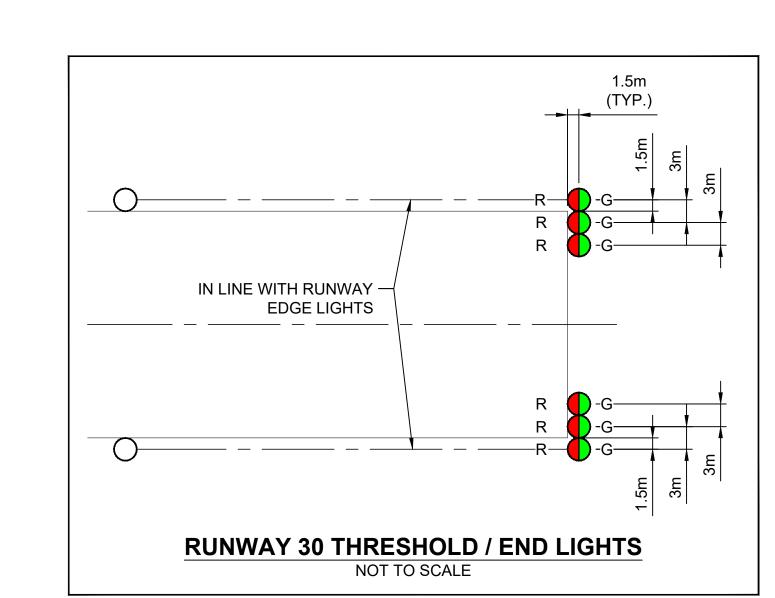
PERPENDICULAR DISTANCE FROM DEFINED RUNWAY EDGE TO NEAR SIDE OF SIGN TO BE BETWEEN 3 - 11m.

1. APAPI LOCATIONS SHOWN ARE PRELIMINARY AND ARE TO BE CONFIRMED BY ENGINEER PRIOR TO CONSTRUCTION.

- **APAPI 12 AND APAPI 30 CONSTRUCTION NOTES**
- 2. SURVEY RUNWAY CENTRELINE ON APAPI END FROM THRESHOLD TO 200m ON RUNWAY AT ~25m INTERVALS. PROVIDE ELEVATION DATA TO
- ENGINEER. THIS INFORMATION WILL BE USED TO FINALIZE APAPI LOCATION.
- 3. ONCE THE APAPI LOCATION IS FINALIZED, THE CONTRACTOR SHALL SURVEY ELEVATIONS FOR APAPI BASES (GROUND ELEVATIONS AT APAPI OFFSETS) AND RUNWAY EDGE / CROWN / CENTRELINE ELEVATION AT APAPI STATION. PROVIDE INFORMATION TO ENGINEER. ENGINEER WILL THEN PROVIDE FINAL APAPI MOUNTING HEIGHT REQUIREMENTS.
- 4. MOUNT NEW APAPI LIGHT UNITS ON PILE CAP WITH SCREW ANCHORS TO ELEVATIONS PROVIDED BY ENGINEER.
- 5. AIM AND CALIBRATE APAPI UNITS PER MANUFACTURER'S INSTRUCTIONS AND TO MEET REQUIRED GLIDE SLOPE ANGLES.

EDGE LIGHT CONSTRUCTION NOTES

- 1. INSTALL NEW PULLPIT, FIXTURE MOUNTED ON PULLPIT LID, TRANSFORMER, SECONDARY CORD AND ALL REQUIRED ACCESSORIES. SOME FIXTURES, WHERE INDICATED, ARE TO BE MOUNTED ON STAKES.
- 2. NEW PRIMARY CABLING / DUCTS TO BE INSTALLED IN NEW TRENCH.
- 3. SUPPLY, INSTALL AND CONNECT NEW GROUND ROD IN EVERY FOURTH PULLPIT AND CONNECT TO GROUND COUNTERPOISE.



PRIME CONTRACTOR



GENERAL NOTES:

- I. DRAWINGS BASED ON AERIAL PHOTOS AND IS CONCEPTUAL ONLY.
- 2. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL REVISION NOTED "ISSUED FOR CONSTRUCTION".
- 3. ALL EXISTING SUB-SURFACE UTILITIES WITHIN CONSTRUCTION LIMITS TO BE LOCATED AND PROTECTED DURING CONSTRUCTION.
- 4. INSTALLATION WILL COMPLY WITH:
- CANADIAN ELECTRICAL CODE, C22.1
- (LATEST EDITION)
- TP312, 5TH EDITION

0m 10m 20m 30m 40m 50m

REVISION No. Description By Appd. Date ISSUED FOR 90% REVIEW KLL RG 2020/09/_

> PRELIMINARY **FOR INTERNAL REVIEW ONLY**

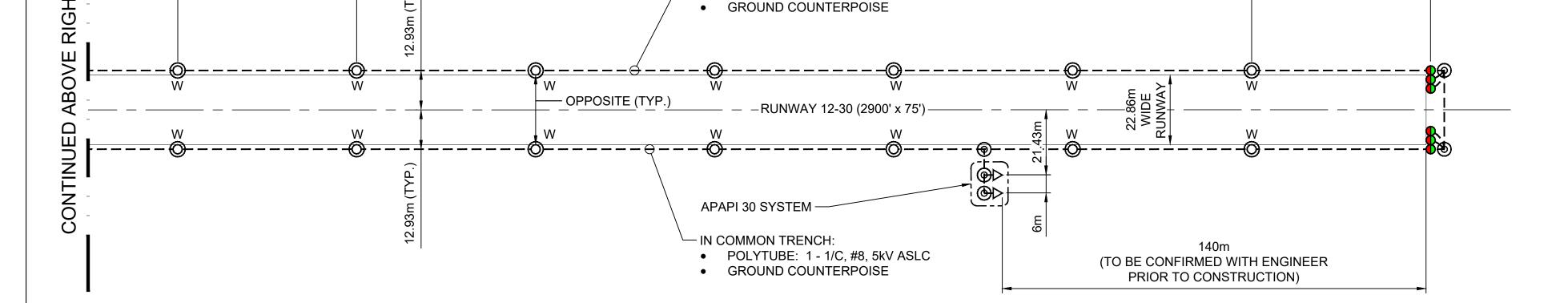
CLIENT:

AIRFIELD ELECTRICAL REHABILITATION

LOCATION:

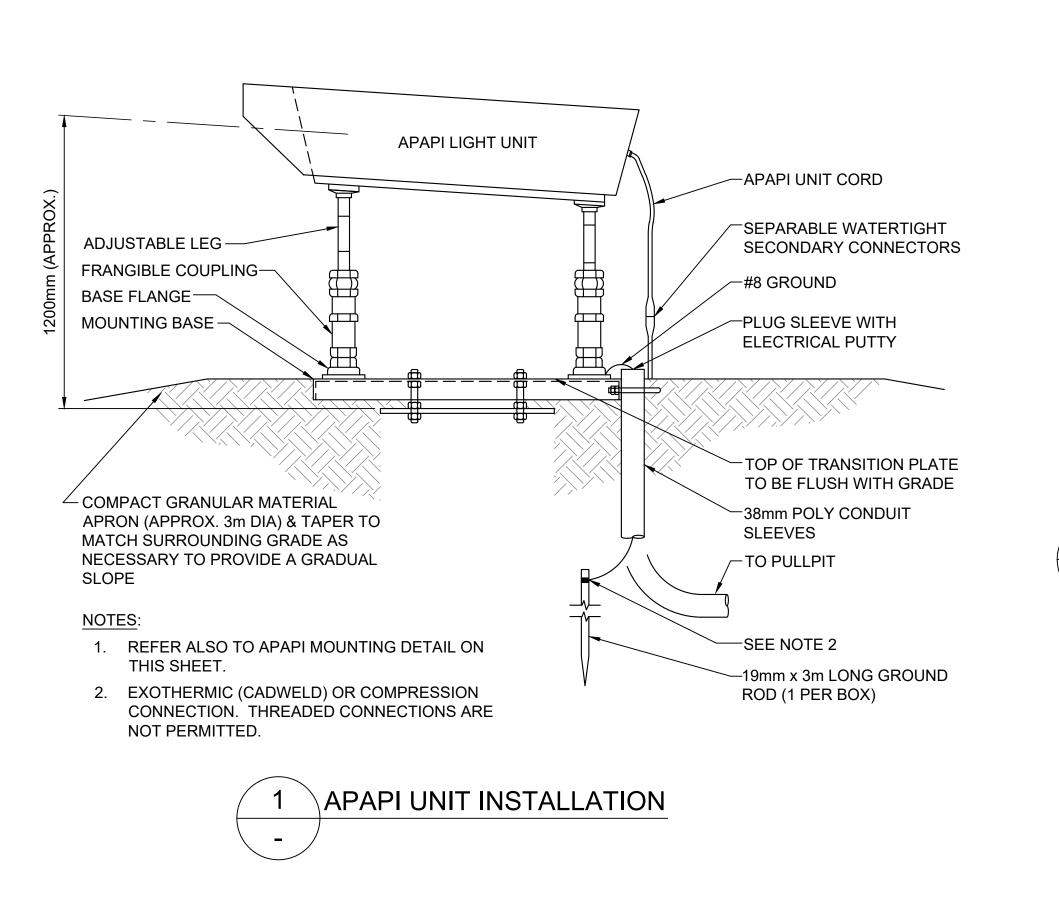
ELECTRICAL LAYOUT

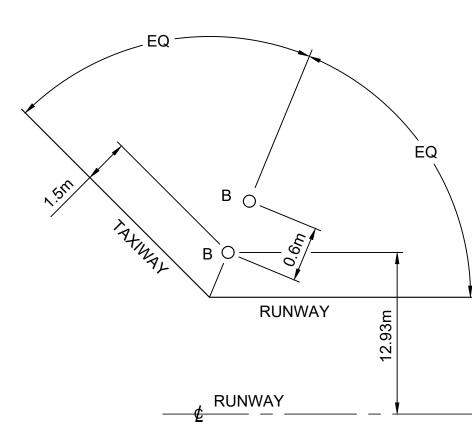
PROJECT NO: CEL6-001 SCALE: AS NOTED DRAWING NO: REVISION: E1



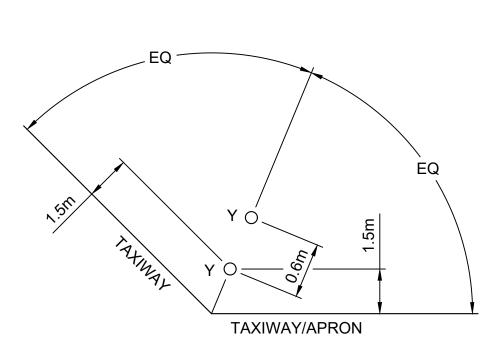
— IN COMMON TRENCH:

POLYTUBE: 1 - 1/C, #8, 5kV ASLC

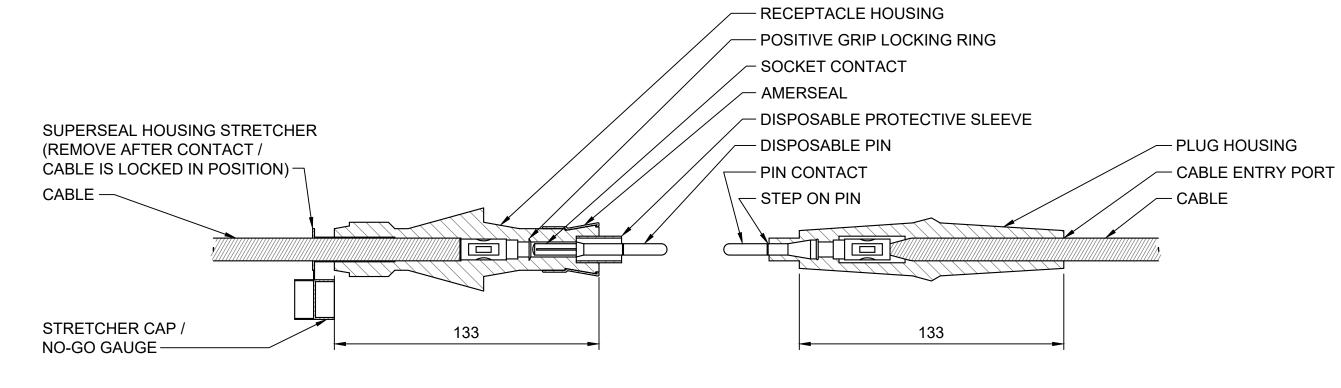




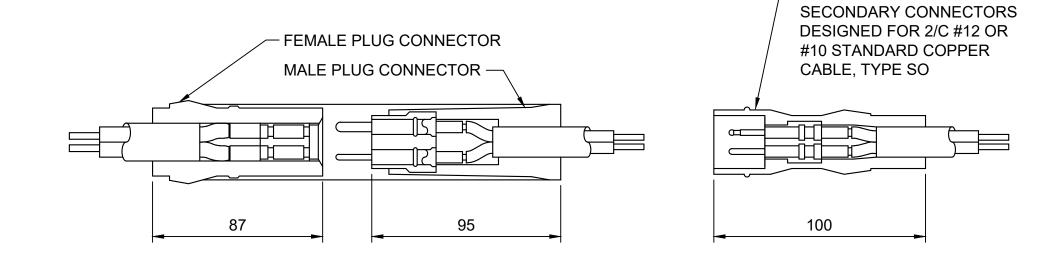








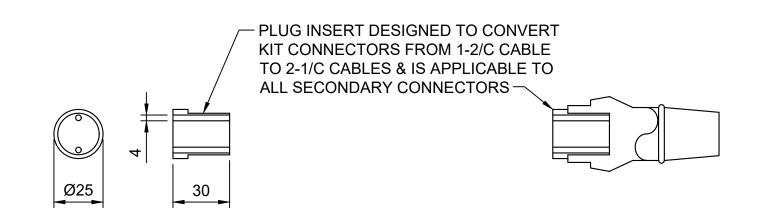




ELEVATION

MALE PLUG CONNECTOR

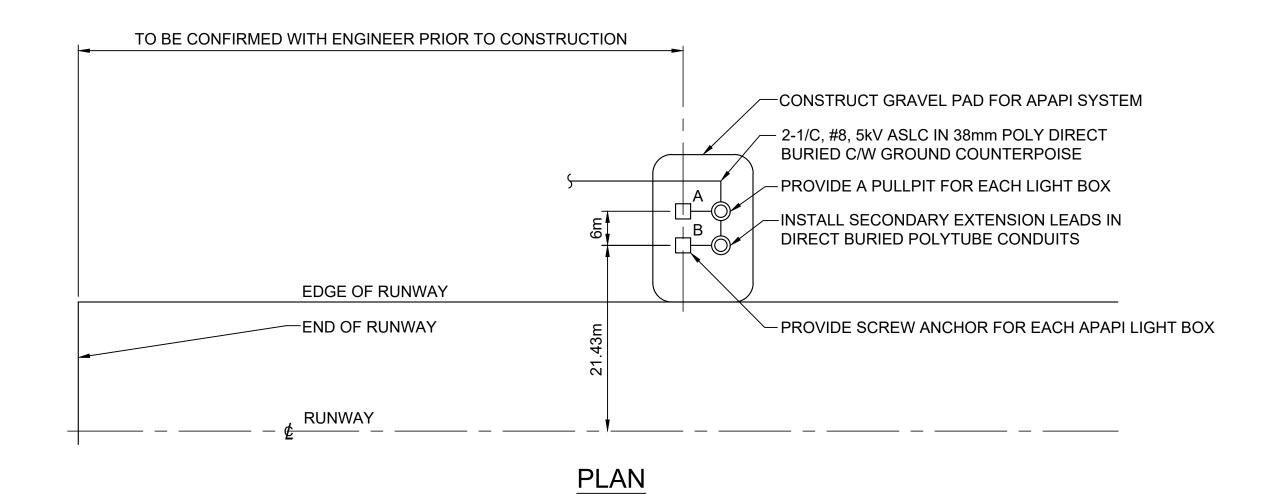
— MALE PLUG CONNECTOR

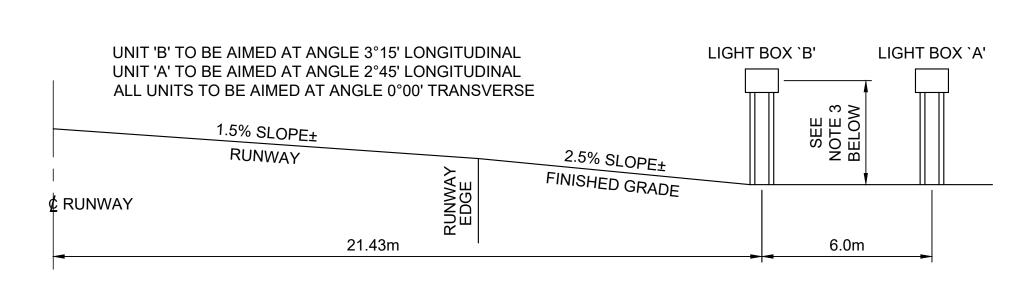


TYPICAL SECONDARY CONNECTOR DETAIL

PLUG INSERT

PLUG INSERT INSTALLATION



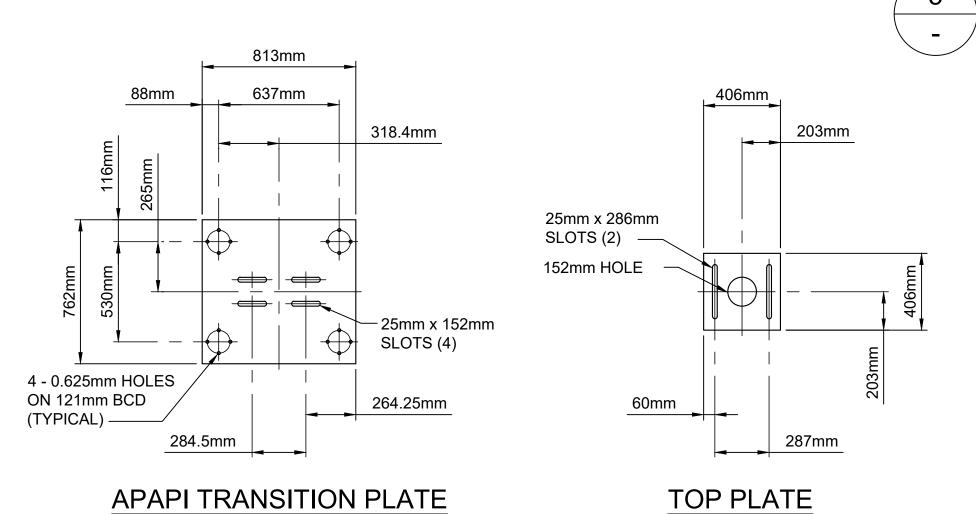


ELEVATION

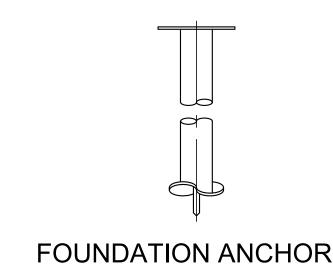
NOTES:

- 1. REFER ALSO TO INSTALLATION AND BASE DETAILS.
- 2. ALL DIMENSIONS ARE TO CENTRE LINES OF LIGHT UNITS.
- 3. FINAL INSTALLATION HEIGHTS AND EXACT LOCATION TO BE PROVIDED BY ENGINEER DURING CONSTRUCTION.





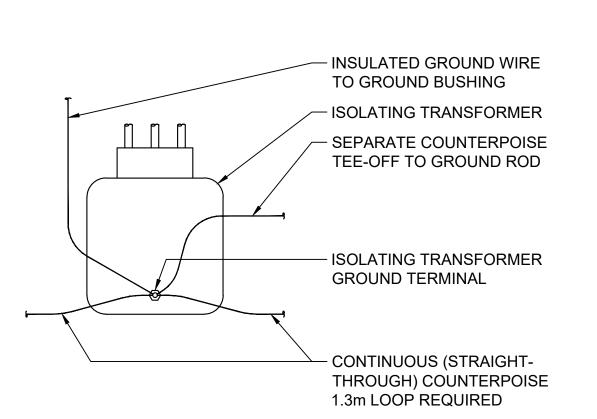
NOTE: AS REQUIRED, SUPPLY & INSTALL NEW APAPI TRANSITION PLATE. DIMENSIONS ABOVE ARE SCHEMATIC & CONTRACTOR TO VERIFY ACTUAL APAPI TRANSITION PLATE / MOUNTING BASE / TOP PLATE DIMENSIONS / DETAILS.



NOTES:

- 1. TRANSITION PLATE TO BE HOT DIPPED GALVANIZED STEEL WITH THICKNESS OF 12.5mm.
- 2. TOP PLATE TO BE HOT DIPPED GALVANIZED STEEL WITH THICKNESS OF 12.5mm.
- 3. FOUNDATION ANCHOR TO BE 4.57m LONG 150mm SCHEDULE 40 PIPE. C/W 287mm HELIX AND 32mm x 32mm SQUARE STARTER POINT 150mm LONG, HOT DIPPED GALVANIZED AFTER WELDING.





8 ISOLATING TRANSFORMER AND
- COUNTERPOISE GROUNDING

PRIME CONTRACTOR

Approach Navigation
Systems Inc.
409 Dieppe Blvd.
Dieppe, New Brunswick TEL: 506 854-2967
Canada E1A 6P8 FAX: 506 854-0030

GENERAL NOTES:

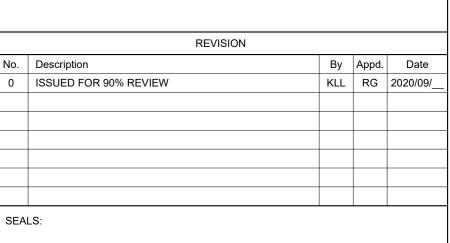
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KEVIEW ONL

CLIENT:

AIRFIELD ELECTRICAL REHABILITATION

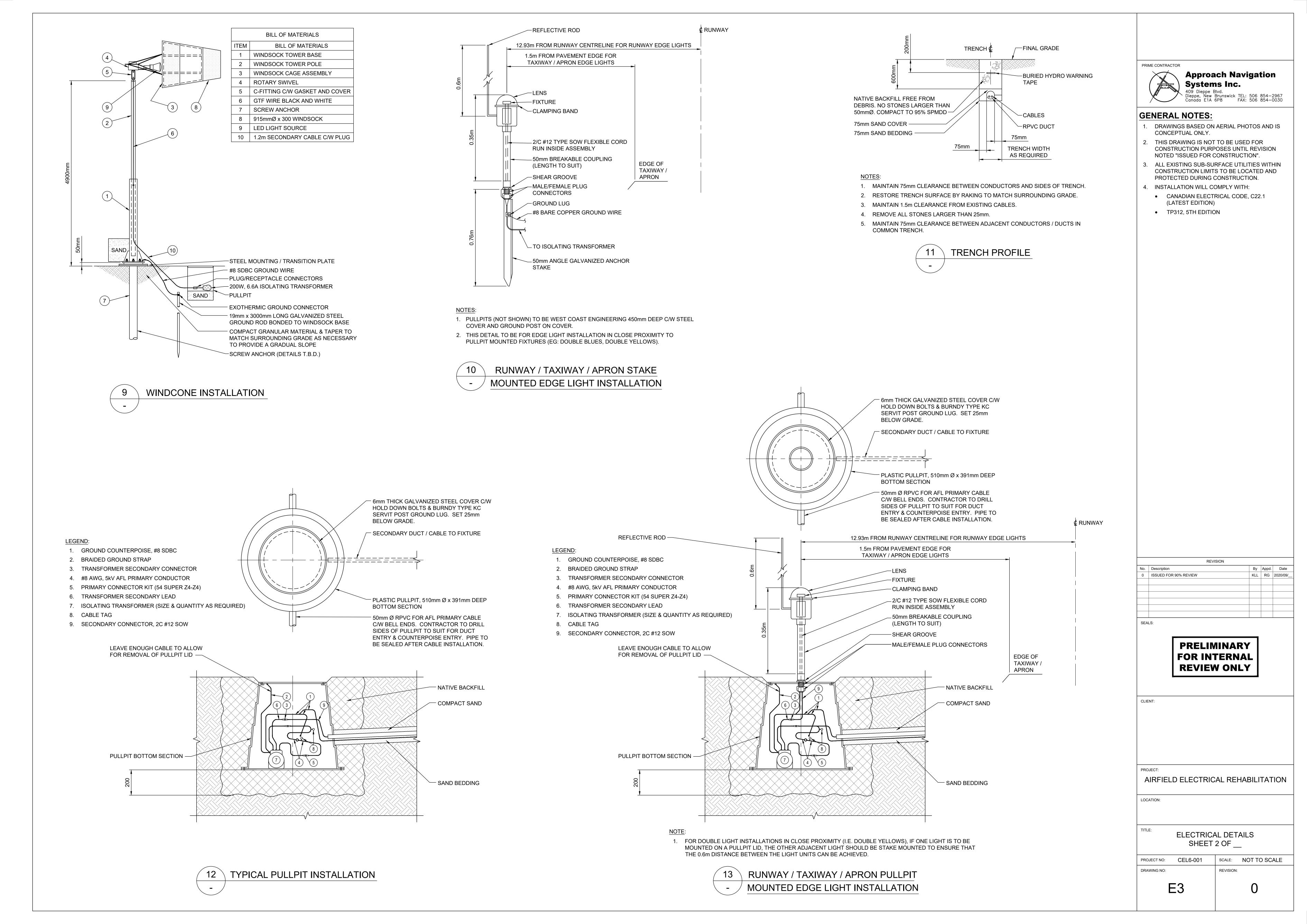
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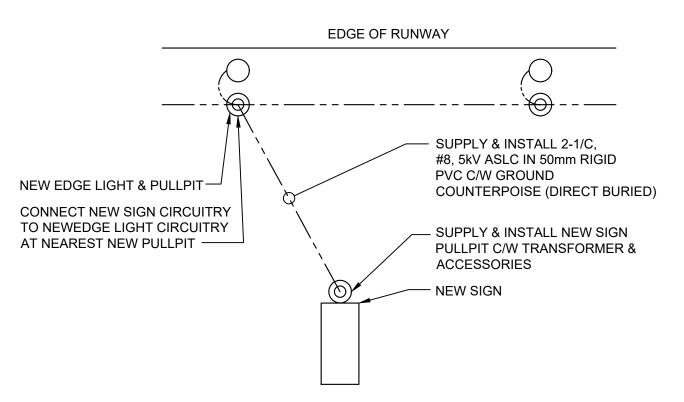
ELECTRICAL DETAILS
SHEET 1 OF ___

PROJECT NO: CEL6-001 SCALE: NOT TO SCALE

DRAWING NO: REVISION:

6 0

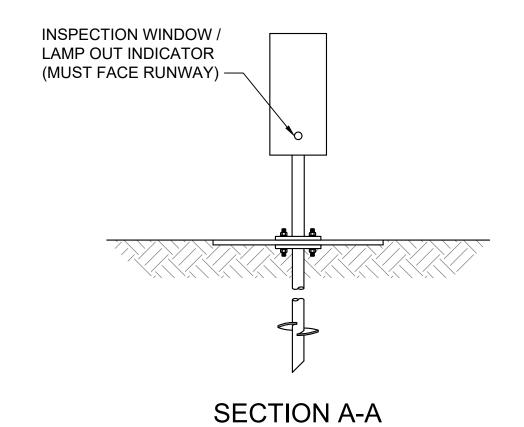


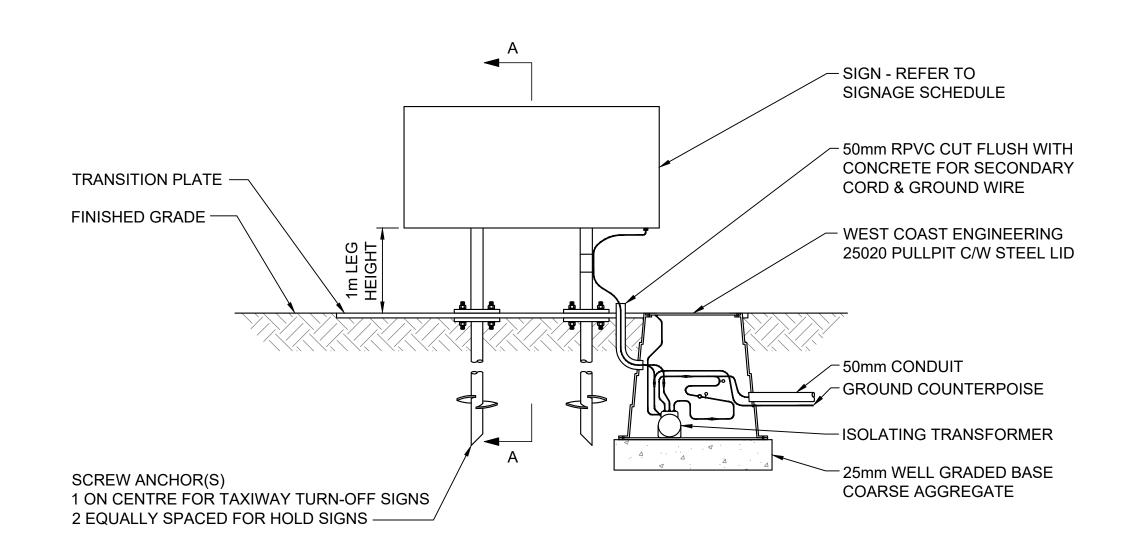


NOTES:

- INSTALL NEW SIGN AND CONNECT TO NEW CIRCUITRY IN NEW PULLPIT. SUPPLY, INSTALL AND CONNECT NEW GROUND ROD AS REQUIRED.
- 2. INSTALL NEW SIGN PULLPIT. SUPPLY, INSTALL AND CONNECT NEW GROUND ROD.
- 3. INSTALL NEW 5kV ASLC CIRCUITRY TO SIGN IN 50mm RIGID PVC.
- 4. INSTALL NEW GROUND COUNTERPOISE TO SIGN AND CONNECT TO EDGE LIGHTING GROUND SYSTEM.
- 5. PROVIDE NEW CONNECTOR KITS AND ACCESSORIES AS NECESSARY.
- 6. INSPECTION WINDOW TO FACE RUNWAY.





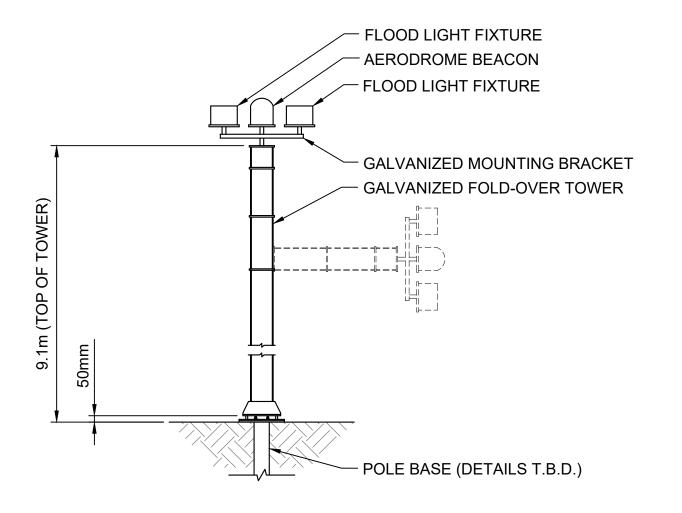


ELEVATION

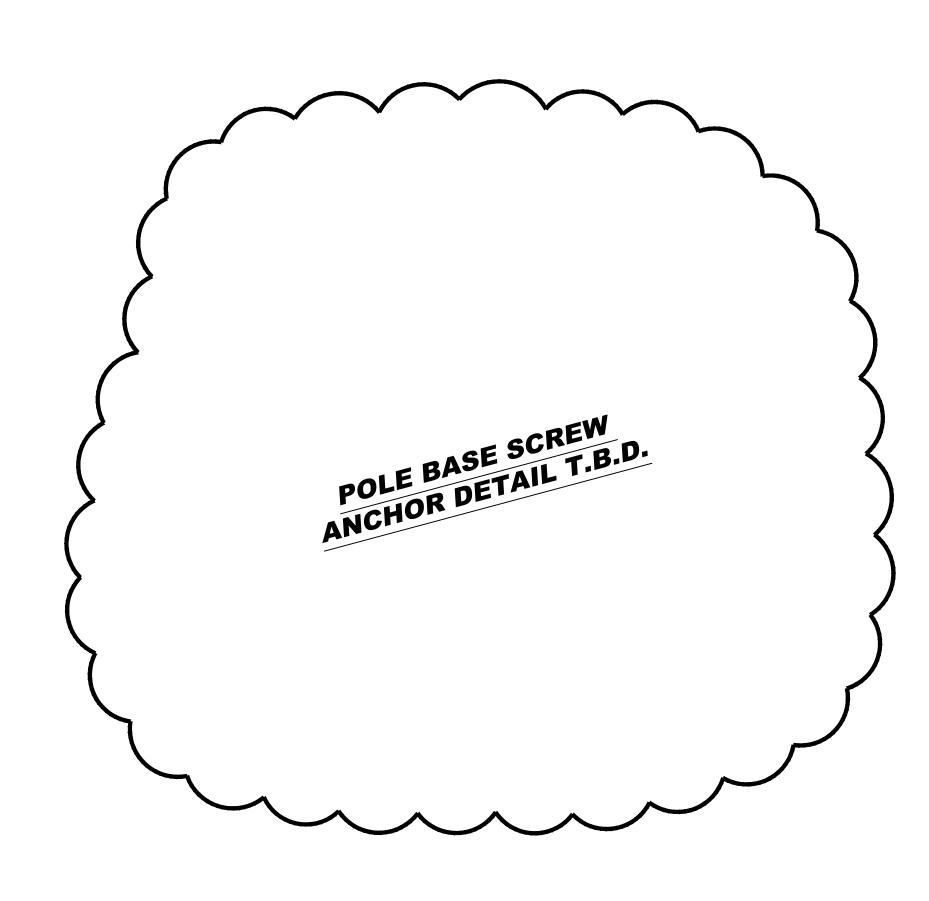
NOTES

- . CONCRETE PAD LENGTH IS SIGN LENGTH +1200.
- 2. INSTALL ANCHOR BOLTS AFTER CONCRETE HAS HARDENED.
- 3. SUPPLY, INSTALL AND CONNECT NEW GROUND ROD.
- 4. SIGN BASE MAY BE PRE-CAST WITH A PULLPIT ADJACENT TO THE BASE.





15 FLOOD LIGHT POLE DETAIL



17 FLOOD LIGHT POLE BASE DETAIL

PRIME CONTRACTOR



Approach Navigation
Systems Inc.

409 Dieppe Blvd.
Dieppe, New Brunswick TEL: 506 854-2967
Canada E1A 6P8 FAX: 506 854-0030

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	ISSUED FOR 90% REVIEW	KLL	RG	2020/0
Α	LS:			

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CLIENT:

ECT:

AIRFIELD ELECTRICAL REHABILITATION

LOCATION:

ELECTRICAL DETAILS
SHEET 3 OF __