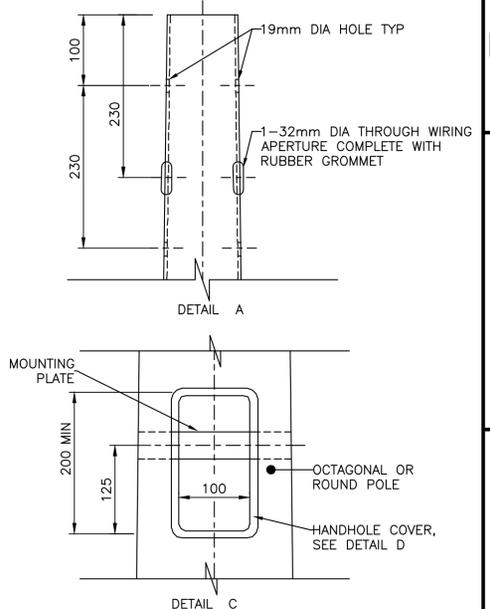
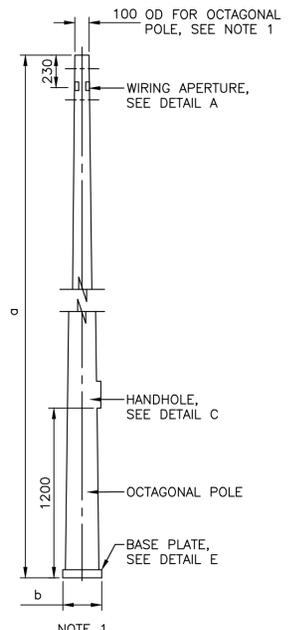


REACH	"O" BARS				"M" BARS		"N" BARS		
	A	B	C	D	NO.	SIZE	NO.	SIZE & SPACING	
9m/LESS	750	600	150	1800	12	25m	4	10m AT 150	
								3	10m AT 300

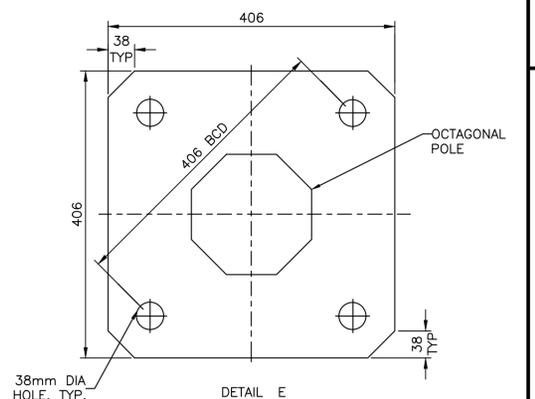
1. CONCRETE TO BE 35 MPa.
2. REINFORCING STEEL TO BE 400 MPa.
3. ALL EDGES IN THE TOP 150MM OF BASE ARE TO HAVE 25mm CHAMFER.
4. IF THE BASE IS PRE-FABRICATED OFF SITE AND NOT AT A CSA CERTIFIED PRE-CAST PLANT, THIRD PARTY CERTIFICATION WILL BE REQUIRED.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF LIGHT POLE BASE. ALL SUBMISSIONS SHALL BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR.

CONCRETE FOOTING FOR SIGNAL POSTS
SCALE : N.T.S.



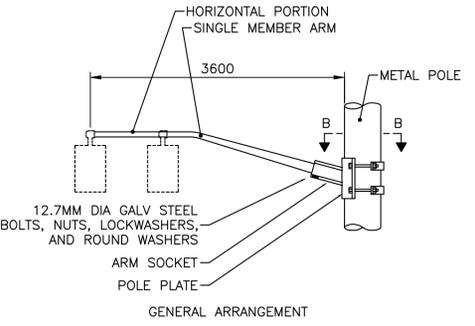
NOTE 1

FABRICATION DATA		
POLE LENGTH a m	OCTAGONAL BOTTOM OD b	ROUND BOTTOM OD b
6.0	170	170
7.5	187	187
9.0	205	205
10.5	222	222
12.0	239	242
13.6	258	260
15.1	275	278



- NOTES:
1. FOR OCTAGONAL POLES, THE DIAMETER SHALL BE MEASURED ACROSS THE FLATS.
 2. CENTERLINE OF MOUNTINGPLATE AND GROUND CONNECTOR SHALL BE 25MM ABOVE CENTRELINE OF HANDHOLE.
 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 4. POLES SHALL BE HOT DIPPED GALVANIZED AND DESIGNED TO MEET CSA-S6-06 CANADIAN HIGHWAY BRIDGE DESIGN CODE STANDARDS.
 5. POLES SHALL BE ABLE TO WITHSTAND WIND LOADS OF 160KM/H AND A WIND GUST FACTOR OF 1.3 AND HAVE A DESIGN LIFE OF 60YEARS.
 6. MOUNTING HARDWARE, DAVIT ARM LENGTH AND NUMBER OF SIGNALS SHALL BE CONSIDERED IN THE DESIGN OF THE POLE.
 7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF LIGHT POLE, DAVIT ARM AND MOUNTING HARDWARE ASSOCIATED WITH THE POLE AND DAVIT ARM. ALL SUBMISSIONS SHALL BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR.

TRAFFIC POLE DETAIL
SCALE : N.T.S.

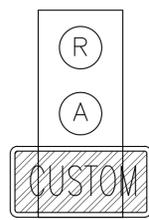


CABINET CONTAINS:

- CONTROLLER WITH TIMING AND CONTROL OPTIONS (MANDATORY)
- ENCRYPTED WIRELESS RADIO SYSTEM WITH 2.4 GHZ TECHNOLOGY
- USER SELECTABLE MULTIPLE CHANNELS TO GROUP DIFFERENT BEACONS AND ENSURE A ROBUST WIRELESS SIGNAL
- INSTANTANEOUS WIRELESS ACTIVATION: <150MS WITH WIRELESS RANGE UP TO 300M
- INTEGRATED VANDAL-RESISTANT ANTENNA
- STAINLESS STEEL (902mm(35.5") X 406mm(16") X 292mm(11.5")) POLE/PAID MOUNT (CCGMSU; TO BE USED AS POLE MOUNT)
- CABINET TO BE INSULATED
- HANDLE, LOCKING MECHANISM AND LOUVERS TO BE INCLUDED
- BATTERIES: ALPHACELL XTV BATTERIES OR BETTER
- SURGE PROTECTION TO BE INCLUDED
- SOLAR PANEL, MOUNTING OPTION & SOLAR CHARGER TO BE DETERMINED BY FINAL DESIGN SPECIFICATIONS AND FLASHING BEACON SYSTEM CHOSEN
- TO BE BUILT TO CSA STANDARD (SPECIAL INSPECTION ACCEPTABLE)
- TO BE SUPPLIED BY A MANUFACTURER OPERATING UNDER AN ISO9001:2015 QUALITY MANAGEMENT SYSTEM WITH CERTIFICATION IN GOOD STANDING

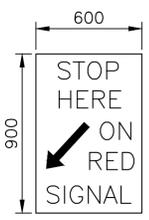
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. DAVIT ARM TO EXTEND 3.6m.
 3. DAVIT ARM TO ACCOMMODATE TWO (2) SETS OF SIGNAL HEADS PER POLE FOR DESIGN.
 4. TWO SIGNAL HEADS AND ACCOMPANYING SIGNS SHALL BE SUPPLIED PER POLE.
 5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF LIGHT POLE, DAVIT ARM AND MOUNTING HARDWARE ASSOCIATED WITH THE POLE AND DAVIT ARM. ALL SUBMISSIONS SHALL BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR.

DAVIT ARM DETAIL
SCALE : N.T.S.

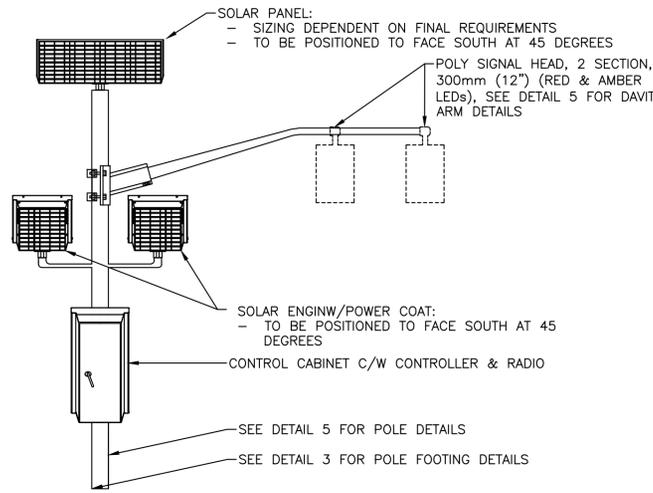


- NOTES:
1. "R" INDICATES RED LENS.
 2. "A" INDICATES AMBER LENS.
 3. BOTTOM LENS TO BE REPLACED WITH CUSTOM SIGN.
 4. SIGN TO BE CONFIRMED BY CLIENT BEFORE ORDERING AND INSTALLATION.

SIGNAL HEAD DETAIL
SCALE : N.T.S.

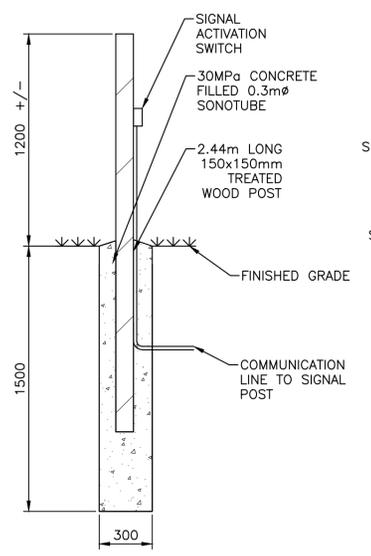


STOP HERE ON RED SIGN DETAIL
SCALE : N.T.S.

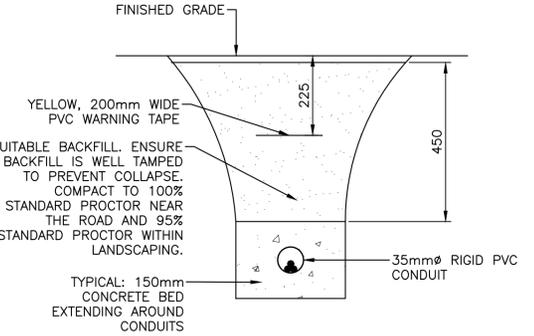


- NOTES:
1. CONTRACTOR TO SUPPLY AND INSTALL ALL TRAFFIC CONTROL EQUIPMENT REQUIRED FOR SOLAR POWERED TRAFFIC SIGNALS

TRAFFIC CONTROL EQUIPMENT
SCALE : N.T.S.



LIGHT ACTIVATION SWITCH POST
SCALE : N.T.S.



- NOTES:
1. PROVIDE CONDUIT SUPPORT SPACERS/CRADLES AT MAXIMUM 2m SPACING.
 2. REINSTATE FINISHED GRADE TO EXISTING CONDITIONS OR BETTER.
 3. PROVIDE 150mm TOPSOIL AND SEED OR GRANULAR MATERIAL IN SHOULDER AREAS.

UNDERGROUND CONDUIT DETAIL
SCALE : N.T.S.

PROVINCE OF NEWFOUNDLAND AND LABRADOR
ENGINEERING PERMIT J0291
STANTEC CONSULTING LTD.
05371
Signature or Member Number (Member-in-Responsible Charge)

0	ISSUED FOR TENDER	NOV 19 2021
revisions		date
project		proj

DFO FACILITY
EMERGENCY TRAFFIC CONTROL
TWILLINGATE, NL

drawing dessein

DETAILS

designed	conçu
date	
drawn	J.PIKE dessiné
date	OCT 5, 2021
approved	approuvé
date	
Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.115705.001	
drawing no.	no. du dessin
C501	