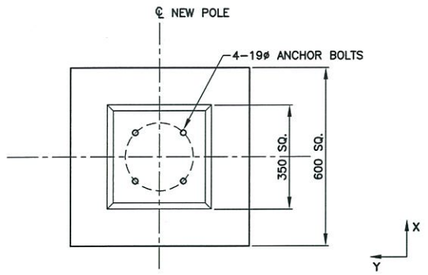
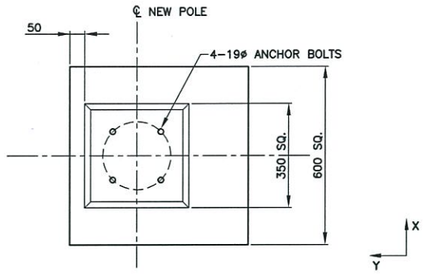
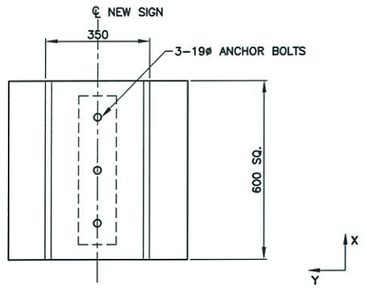


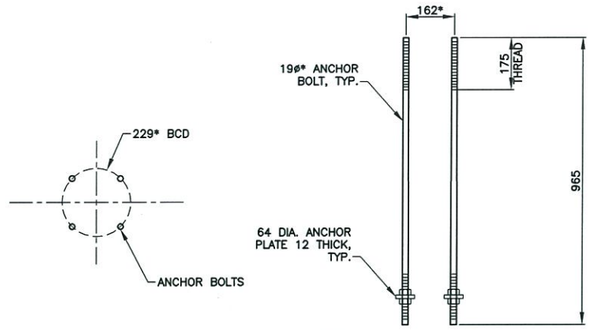

TYPICAL DIRECTIONAL POST PLAN TYPE "A"
SCALE 1:10



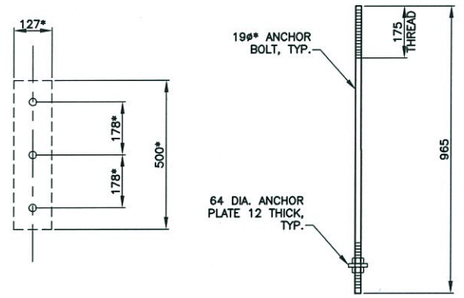

DIRECTIONAL POST PLAN TYPE "B"
(POLE OFFSET FROM FOUNDATION AT TWO LOCATIONS)
SCALE 1:10



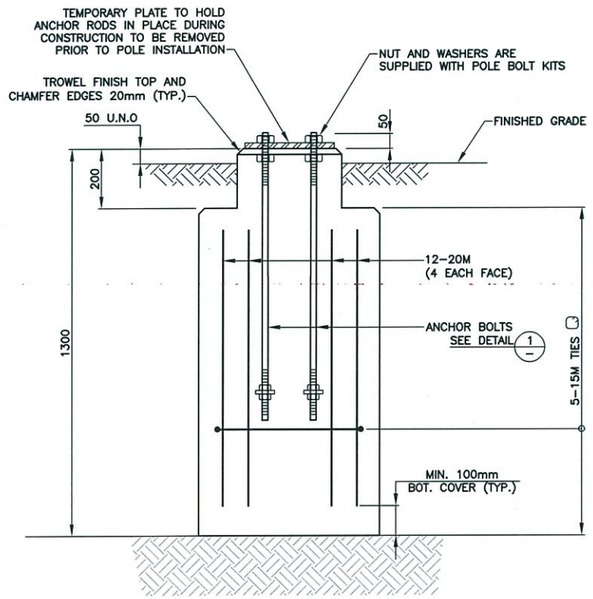

PARKING ID PLAN
SCALE 1:10



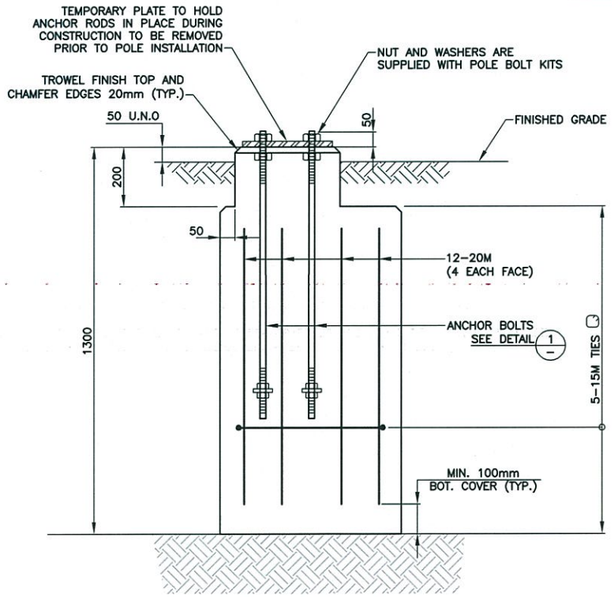

DIRECTIONAL POST ANCHOR DETAILS (1) *DIMENSIONS TO BE CONFIRMED BY KNIGHT SIGNS
SCALE 1:10




PARKING ID ANCHOR DETAILS (2) *DIMENSIONS TO BE CONFIRMED BY KNIGHT SIGNS
SCALE 1:10




TYPICAL DIRECTIONAL POST ELEVATION TYPE "A"
SCALE 1:10




DIRECTIONAL POST ELEVATION TYPE "B"
(POLE OFFSET FROM FOUNDATION AT TWO LOCATIONS)
SCALE 1:10

## NOTES:

1. ALL UNITS ARE IN MILLIMETRES.
2. DESIGN CODE: CAN/CSA S6–14
3. FACTORED LOADS AT BASE OF POLE TO BE PROVIDED BY KNIGHT SIGN AND CONFIRMED BEFORE FOUNDATION INSTALLATION.

   Fx = 2.62kN, Fy = 2.62kN, Fz = 3.35kN, Mx = 8.11kNm, My = 8.11kNm, Mz = 1.78kNm
4. CONTRACTOR SHALL VERIFY EXISTING STRUCTURES AND UTILITIES PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION. ANY DISCREPANCY OR CONFLICTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPa AT 28 DAYS. CONCRETE EXPOSURE CLASS SHALL BE C–XL.
6. ALL REINFORCING STEEL SHALL CONFORM TO CAN/CSA–G30.18–09 GRADE 400R.
7. ALL ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55 AND SHALL BE HOT–DIP GALVANIZED AS PER ASTM A123M. NUTS SHALL BE ZINC–PLATED AS PER ASTM B633.
8. STEEL PLATE SHALL CONFORM TO CAN/CSA–G40.20–04 AND CAN/CSA–G40.21–04 GRADE 300W AND BE GALVANIZED AS PER ASTM A123M.
9. ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 20mm UNO.
10. ALL REINFORCING STEEL SHALL HAVE 70mm COVER U.N.O.

## CONFIRMATION OF GEOTECHNICAL RESISTANCE OF SOIL:

THE FOUNDATION SUBGRADE SHALL BE CAPABLE OF PROVIDING A COMPETENT FOUNDATION THAT CAN PROVIDE 100 KPA ULS BEARING RESISTANCE AS A MINIMUM.

THE FOUNDATION SUBGRADE SHALL BE MAINTAINED IN A DRY CONDITION PRIOR TO REBAR INSTALLATION AND CASTING CONCRETE. WHERE THE BOTTOM OF AN EXCAVATION IS NOT COMPETENT (SUCH AS LOOSE COARSE GRAINED SOIL OR SOFT FINE GRAINED SOIL, IT MAY BE NECESSARY TO EXCAVATE DEEPER TO COMPETENT FOUNDATION MATERIAL AND BACKFILL TO THE UNDERSIDE OF THE FOUNDATION BASE.

EXCAVATIONS SHALL BE BACKFILLED WITH GRANULAR BASE AS SPECIFIED IN MMCD SECTION 31–05–17 CLAUSE 2.10

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — K. M. FRIESEN — #29970 — NOV 20, 2018

CITY OF VANCOUVER

| NO. | DATE | REVISION | DWG | DESIGN |
|---|---|---|---|---|
| 0 | 2018–11–20 | ISSUED FOR CONSTRUCTION | HR | KF |

| BRANCH | INITIALS | DATE |
|---|---|---|
| CHECKED | | |
| CHECKED | | |

DRAWN BY: HR | DESIGN BY: KF
DRAWING CHECKED: KF | DESIGN CHECKED: MI
REFERENCES:

ENGINEERING SERVICES – CITY OF VANCOUVER

CITY OF VANCOUVER
10TH AVENUE HOSPITAL ZONE
DIRECTIONAL POST AND PARKING ID FOUNDATIONS

SCALE: AS SHOWN
DATE: 20 NOV 2018
DRAWING NUMBER: 18M–00017–00–0100
SHEET...1...OF...1... | REVISION:....0....

DATE: 2018–11–20 – 3:17pm (eoleism)
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LAYOUT: 1001