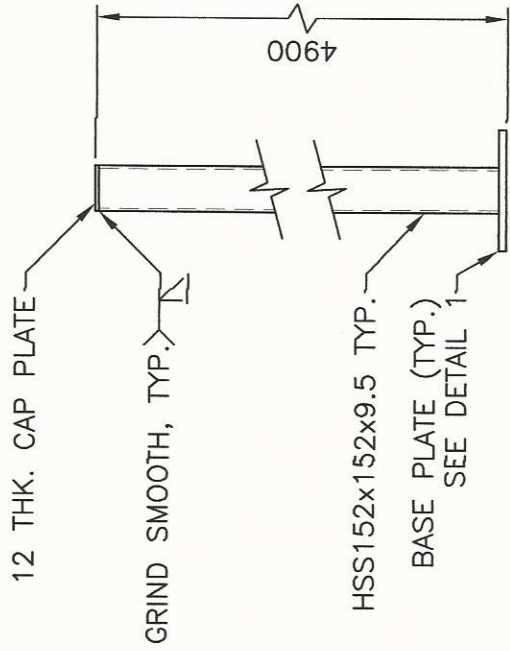


PLAN OF SIGN POSTS

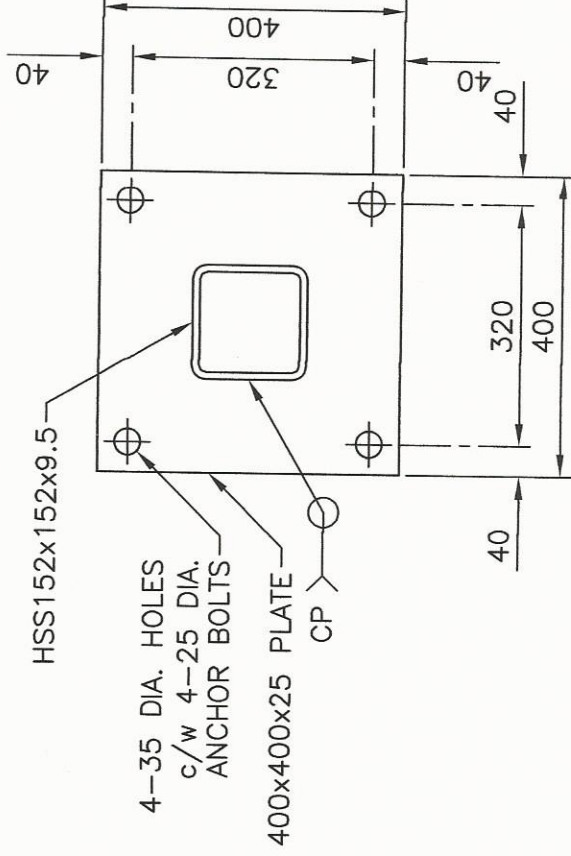
SCALE : 1:25



SECTION THROUGH SIGN POST

SCALE : 1:25

- STEEL NOTES**
1. STRUCTURAL STEEL MATERIAL FABRICATION AND ERECTION TO CONFORM TO:
 - 1.1. CAN/CSA-G40.21-13 GRADE 350W FOR PLATES AND HOLLOW STRUCTURAL SECTIONS.
 - 1.2. ASTM-A325-14 FOR HIGH STRENGTH CONNECTION BOLTS.
 - 1.3. CSA W48-14 SERIES FOR WELDING ELECTRODES. ELECTRODES NEED TO BE E49XX OR HIGHER.
 2. COMPANIES AND WELDERS SHALL BE CERTIFIED AND QUALIFIED IN ACCORDANCE WITH CSA STANDARD W47.1-09 (R2014) DIVISION 1 OR 2.1.
 3. WELDING DESIGN AND PRACTICE IN ACCORDANCE WITH CSA W59-13 AND W47.
 4. NON-SHRINK GROUT UNDERNEATH BASE PLATE TO HAVE 60 MPa COMPRESSIVE STRENGTH AT 28 DAYS. DRY PACKING IS NOT ALLOWED.
 5. FINISH: ALL STEEL TO BE HOT DIPPED GALVANIZED. NO FIELD DRILLING IS ALLOWED.
 6. DESIGN WIND PRESSURE (HOURLY WIND PRESSURE NBCC 2010) = 0.58 kPa FOR ELMSDALE. N.S.



DETAIL - BASE PLATE

SCALE : 1:10



INNOVATIVE ENGINEERING AND DESIGN
STRUCTURAL ENGINEERING - STRUCTURAL HEALTH MONITORING

0	ISSUED FOR CONSTRUCTION	06/23 2017	date
revisions			
project			

ELMSDALE SIGNAGE
ELMSDALE
HANTS COUNTY
NOVA SCOTIA

drawing

STEEL SIGN POSTS
AND BASE PLATES

designed J.J.

date JUNE 20, 2017

drawn M.M.

date JUNE 23, 2017

approved

date

project number

drawing no.

SK1

0	ISSUED FOR CONSTRUCTION	06/23 2017	date
revisions			
project			

ELMSDALE SIGNAGE
ELMSDALE
HANTS COUNTY
NOVA SCOTIA

drawing

FOUNDATION
1 OF 2

designed J.J.

date JUNE 20, 2017

drawn M.M.

date JUNE 23, 2017

approved

date

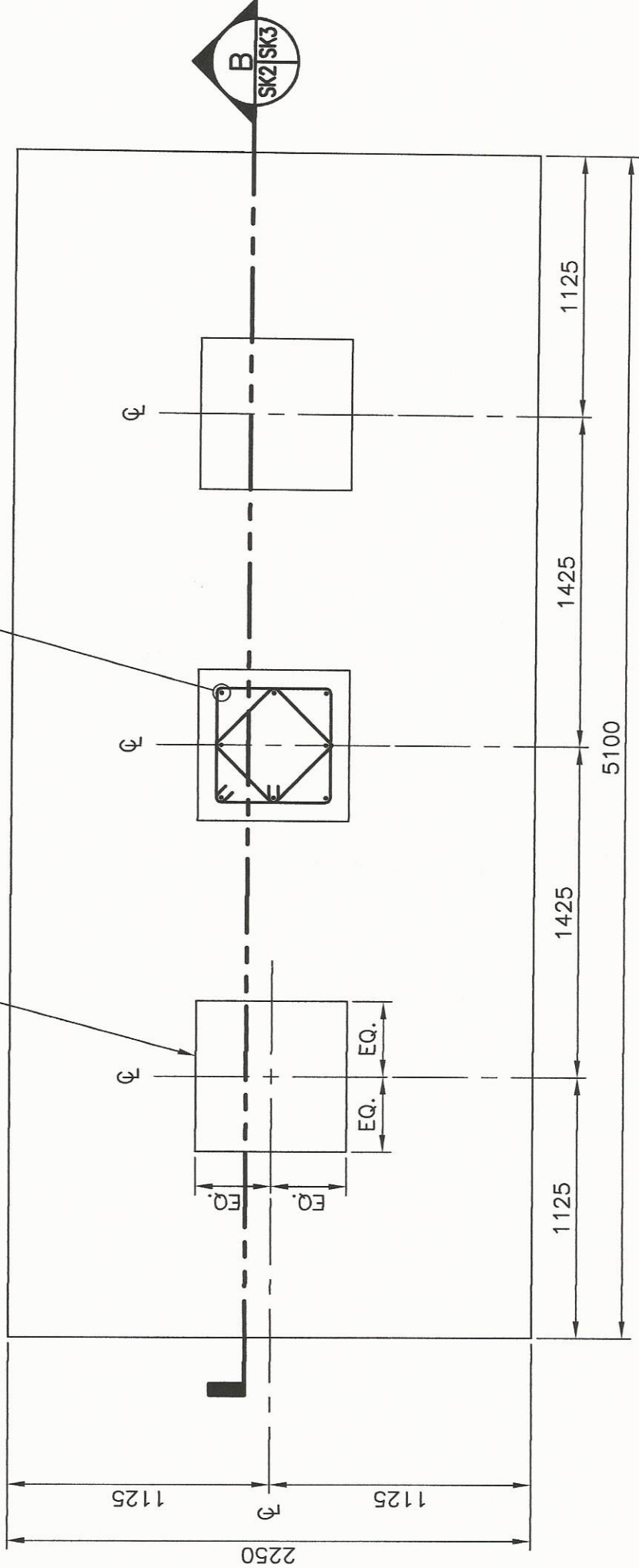
project number

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drawing no.

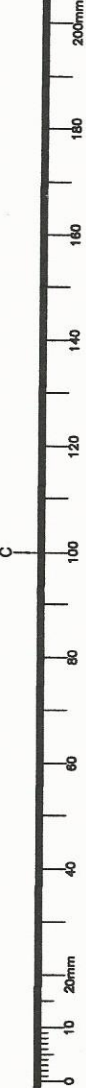
SK2

650x650 PILASTER, TYP.
8-20M VERTICAL REINFORCEMENT
c/w 2-10M STIRRUPS @ 300, TYP.



FOUNDATION PLAN

SCALE : 1:25

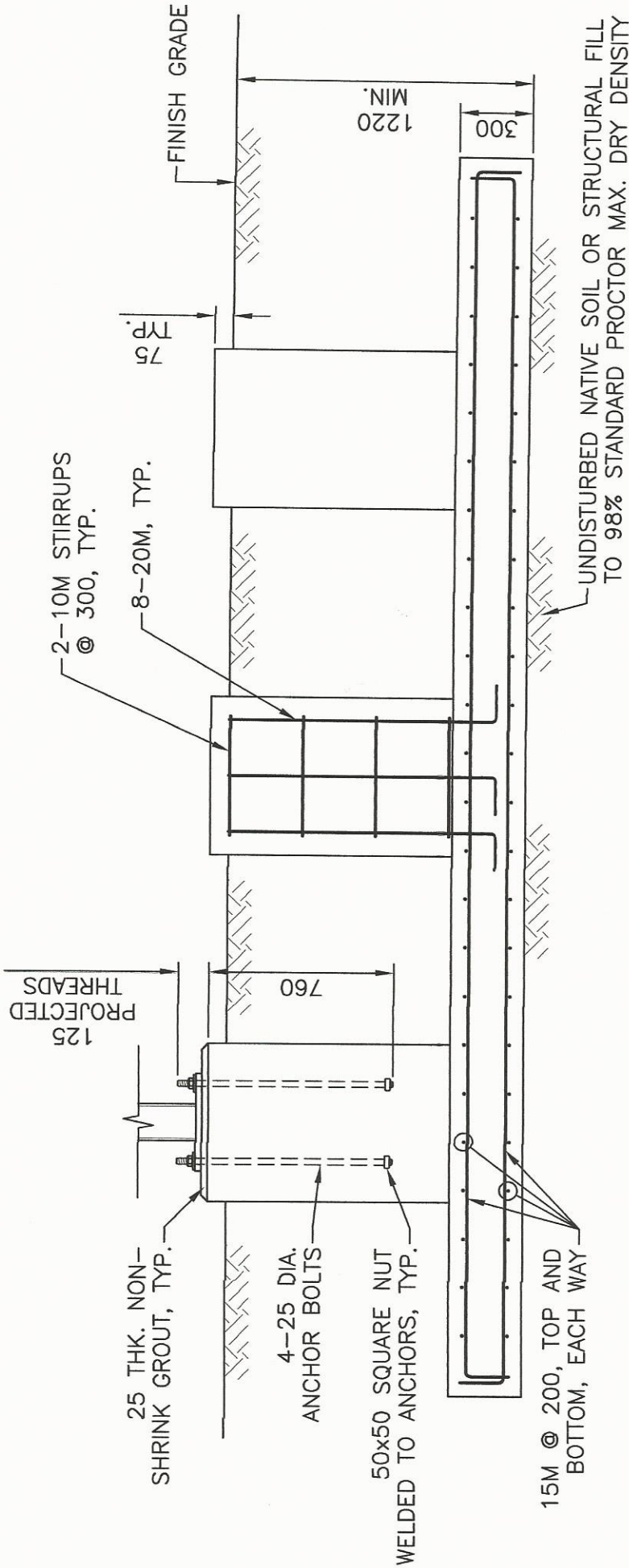


0	ISSUED FOR CONSTRUCTION	06/23 2017
revisions		date
project		

ELMSDALE SIGNAGE
ELMSDALE
HANTS COUNTY
NOVA SCOTIA

FOUNDATION
2 OF 2

designed	J.J.
date	JUNE 20, 2017
drawn	M.M.
date	JUNE 23, 2017
approved	
date	
project number	---
drawing no.	SK3



SECTION THROUGH FOUNDATION B
SK2/SK3
SCALE : 1:25



FOUNDATION NOTES

- FOUNDATION DESIGN PARAMETERS:
 - COEFFICIENT OF FRICTION OF 0.4 BETWEEN FOUNDATION AND NATIVE SUBGRADE OR STRUCTURAL FILL. ANY OVER-EXCAVATION SHALL BE BROUGHT BACK TO THE DESIGN ELEVATION WITH STRUCTURAL FILL AT NO MORE THAN 150mm LIFTS.
 - SOIL DENSITY TO BE 19 kN/m³.
- UNDERSIDE OF FOOTING TO BE AT A MINIMUM OF 1220mm BELOW GRADE. ALL WORK TO BE PROTECTED FROM FROST DURING CONSTRUCTION.
- ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO PLACING THE FOOTING.
- ALL FOOTINGS TO BE FOUNDED ON UNDISTURBED NATIVE SUBGRADE OR STRUCTURAL FILL WITH A MINIMUM FACTORED ULTIMATE LIMIT STATES RESISTANCE OF 150 kPa. BEARING CAPACITY TO BE CONFIRMED BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER ON SITE.
- STRUCTURAL CONCRETE MATERIALS, TESTING, AND WORKMANSHIP TO CONFORM TO CSA A23.1-14/A23.2-14.
- STRUCTURAL CONCRETE TO HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 35 MPa.
- REINFORCING STEEL TO BE DEFORMED NEW BILLET STEEL CONFORMING TO CAN/CSA G30.18-09 (R2014). MINIMUM YIELD STRENGTH 400 MPa.
- UNLESS NOTED OTHERWISE, REINFORCING STEEL TO HAVE A MINIMUM CONCRETE COVER OF 75mm.
- ALL BENDS TO BE STANDARD BENDS UNLESS NOTED OTHERWISE.
- REINFORCING STEEL, ANCHOR BOLTS, DOWELS, ETC. TO BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- ANCHOR BOLTS TO CONFORM TO ASTM 449 WITH A SPECIFIED TENSILE STRENGTH OF 90ksi AND A SPECIFIED YIELD STRENGTH OF 60ksi.
- ANCHOR BOLTS TO HAVE TEMPLATE PLATES AT TOP AND BOTTOM.
- REINFORCING STEEL TO BE REVIEWED BY THE ENGINEER'S REPRESENTATIVE PRIOR TO CLOSING FORMS.
- CONCRETE TO BE PLACED IN DRY WEATHER.

