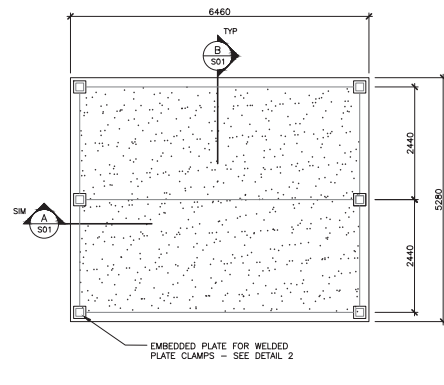
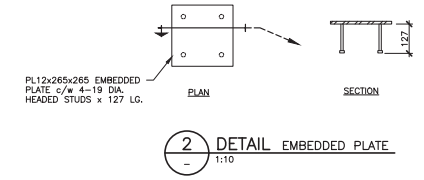


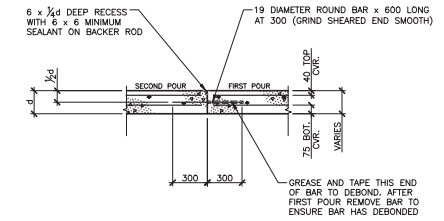
PLAN BATTERY PACK FOUNDATION SLAB 1
4 BATTERY PODS
1:50



PLAN BATTERY PACK FOUNDATION SLAB 2
2 BATTERY PODS
1:50



2 DETAIL EMBEDDED PLATE
1:10



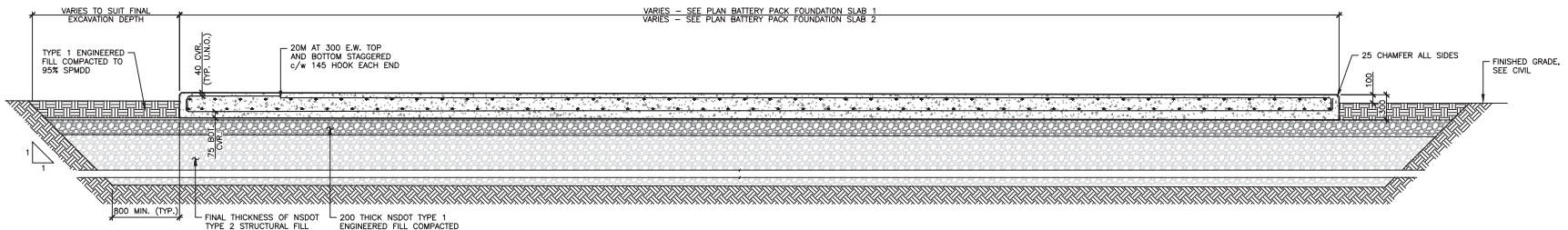
1 DETAIL TYPICAL SLAB ON GRADE CONSTRUCTION JOINT
1:20

ABBREVIATIONS:

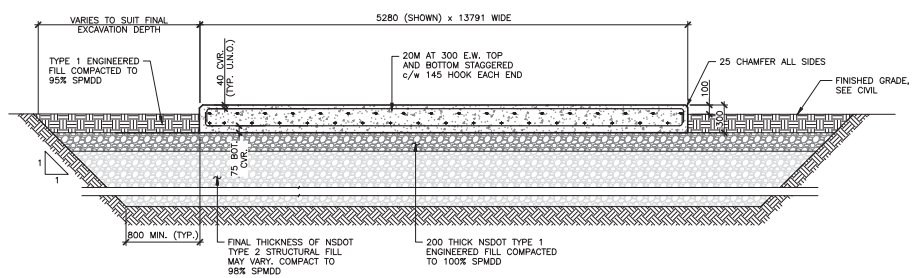
CLR.	CLEAR
CVR.	COVER
c/w	COMPLETE WITH
E.E.	EACH END
ELEV.	ELEVATION
E.W.	EACH WAY
GALV.	GALVANIZED
MAX.	MAXIMUM
SPMDD	STANDARD PROCTOR MAXIMUM DRY DENSITY
STD.	STANDARD
T&B	TOP AND BOTTOM
TYP.	TYPICAL
u/s	UNDERSIDE
U.N.O.	UNLESS NOTED OTHERWISE

GENERAL AND DESIGN NOTES:

- ALL WORK AND MATERIALS TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, 2015.
- CONFORM ELEVATIONS ON SITE PRIOR TO FOUNDATION FORMWORK AND REINFORCING STEEL FABRICATION AND ERECTION.
- COORDINATE STRUCTURAL DRAWINGS WITH ALL OTHER DISCIPLINES DRAWING AND SPECIFICATIONS.
- E-HOUSE TO BE SECURED TO CONCRETE FOUNDATION WITH POST-INSTALLED ADHESIVE ANCHORS, BY OTHERS.
- BATTERIES TO HAVE FULL BEARING ON CONCRETE FOUNDATION. SECURE FOR OVERTURNING WITH WELDED PLATE CLAMPS, BY OTHERS.
- ASSUMED DESIGN LOAD CRITERIA:
a. E-HOUSE: LIVE LOAD = 7.2kPa
b. BATTERY PACK: WEIGHT = 272kN
c. CONVERSION PLATFORM: WEIGHT = $\frac{KN}{m^2}$
d. EMP UNIT WEIGHT = 10kN
e. EMS UNIT WEIGHT = 6kN
- ALL CONCRETE WORK TO CONFORM TO CSA A23.1 AND CSA A23.3.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 30MPa WITH A F-1 EXPOSURE CLASS.
- ALL STRUCTURAL STEEL TO CONFORM TO CSA (C40.20)/(C40.21) AND CSA S16
a. W-SHAPES: GRADE 350W OR ASTM A992
b. CHANNELS, PLATES, AND ANGLES: GRADE 300W
c. HSS: CLASS 3, GRADE 350W OR ASTM A500, GRADE C.
- HIGH STRENGTH STRUCTURAL STEEL BOLTS TO CONFORM TO A325/A325M. ANCHOR RODS TO CONFORM TO ASTM F1554.
- ALL FOUNDATIONS TO BE FOUNDED ON APPROVED ENGINEERED GRAVELS FILL OVERLAYING EITHER UNDISTURBED, COMPETENT NATIVE TILL, STRUCTURAL FILL OR COMPETENT BEDROCK. ASSUMED MINIMUM DESIGN BEARING PRESSURES AT OLS/SLS:
a. ENGINEERED GRAVEL FILL: 225/150kPa
b. NATIVE TILL: 225/150kPa



A SECTION BATTERY PACK FOUNDATION SLAB
1:25



B SECTION BATTERY PACK FOUNDATION SLAB
1:25

PRELIMINARY
NOT FOR CONSTRUCTION