

GENERAL NOTES

1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE ALBERTA EDITION 2023, PART 4.
2. CONSTRUCT TO NBC AE 2023 REQUIREMENTS.
3. DESIGN LOADS (psf) : Calgary
- Climatic Data:

Ss=1.1 kPa (23.0 psf)

q10=0.38 kPa (7.9 psf)

Se=0.1 kPa (2.1 psf)

q50=0.48 kPa (10.0 psf)

Seismic Data:

Sa(0.2)=0.327, Sa(0.5)=0.308, Sa(1.0)=0.18, Sa(2.0)=0.0952,

Sa(5.0)=0.0429, Sa(10.0)=0.0229, PGA=0.159, PGV=0.163

Site Class: E (Assumed)

4. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND DOCUMENTS. ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY FOR CLARIFICATION.

5. ALL STRUCTURAL ITEMS MUST BE INSPECTED BY THE STRUCTURAL ENGINEER OR BY ANOTHER SUITABLE QUALIFIED PERSON.

6. NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTION OF THE FOLLOWING:

a.) BEFORE BACKFILL.

7. CHECK WORK IS COMPLETED BEFORE CALLING FOR INSPECTIONS.

8. BRACE THE STRUCTURE UNTIL ALL THE COMPONENTS ARE PERMANENTLY FASTENED IN PLACE.

9. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION .FAILURE TO DO SO SHALL RENDER THE CONTRACTOR RESPONSIBLE TO REPAIR ANY IMPROPER WORK.

10. METRIC AND IMPERIAL UNITS USED INTERCHANGEABLY.

11. ONLY STRUCTURAL COMPONENTS DETAILED ON OUR DRAWINGS HAVE BEEN DESIGNED BY US. OTHER STRUCTURAL COMPONENTS AND ANY OTHER BUILDING COMPONENTS ARE THE RESPONSIBILITY OF THEIR RESPECTIVE DESIGNERS. THIS INCLUDES, BUT IS NOT LIMITED TO, DAMP PROOFING AND WATER PROOFING SYSTEMS.

12. THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE PROFESSIONAL HAS ENTERED INTO A WRITTEN CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY WHOM THE PROFESSIONAL HAS NOT ENTERED INTO SUCH A CONTRACT.

13. DO NOT BUILD FROM THESE DRAWINGS UNLESS THEY ARE MARKED 'ISSUED FOR CONSTRUCTION'.

14. USE THE LATEST EDITION OF STANDARDS REFERRED TO IN THESE DOCUMENTS.

15. ALL FORMING, SHORING, AND SITE SAFETY ISSUES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

16. ANY CHANGES SHOWN ON THE DRAWINGS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER. FRAMING CHANGES THAT HAVE NOT BEEN APPROVED WILL BE REJECTED

17. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTION OF DEFICIENCIES AS DETERMINED BY THE ENGINEER.
- FOUNDATIONS
1. GENERAL

a.) DESIGN SOIL BEARING PRESSURE IS 2000 psf.

b.) CARRY OUT ALL WORK AS OUTLINED IN THE GEOTECHNICAL REPORT, IF AVAILABLE.

c.) AFTER EXCAVATION AND BEFORE CONSTRUCTING FOUNDATIONS HAVE A GEOTECHNICAL ENGINEER INSPECT THE FOUNDATIONS AND CONFIRM THE SOIL BEARING PRESSURE. THE GEOTECHNICAL ENGINEER MAY REQUIRE CHANGES TO THE FOUNDATION.

2. PRODUCTS

a.) GRANULAR BASE : ¾" MINUS CLEAN PIT RUN SAND AND GRAVEL WITH LESS THAN 5% PASSING THE # 200 SIEVE.

3. EXECUTION

a.) REMOVE TOPSOIL AND OTHER ORGANIC MATERIAL FROM BUILDING AREA.

b.) EXTEND ALL FOUNDATIONS TO FIRM, UNDISTURBED, NATIVE SOIL, OR TO A MINIMUM 18" BELOW GRADE, OR TO ELEVATIONS SHOWN ON THE DRAWINGS, WHICHEVER IS DEEPER.

c.) REMOVE ALL LOOSE MATERIAL FROM FOOTING PRIOR TO POURING CONCRETE.

d.) THE SLAB ON GRADE SHALL BE PLACED ON A 6" LAYER OF ROAD MULCH, DIRECTLY OR ON THE NATIVE SOIL. BACKFILL OVER EXCAVATED AREAS IN 8" LIFTS OF GRANULAR BASE COMPACTED TO 98% SPDD.
-
- SITE PLAN
- SCALE : NTS
-
- TYPICAL RETAINING WALL SECTION
- SCALE : 1/2"=1'-0"
- NOTE:
-WRAP DRAINAGE GRAVEL WITH NON-WOVEN GEOTEXTILE FILTER FABRIC SEPARATING IT FROM NATIVE SOIL
-PROVIDE POSITIVE DRAINAGE TO DAYLIGHT OR APPROVED DRAINAGE OUTLET
-NO CLAY, SILT, OR ORGANIC SOILS PERMITTED IN DRAINAGE ZONES
-UNITS TO BE PLACED WITH TIGHT JOINTS AND STAGGERED VERTICAL JOINTS.
-FACE BATTER TO BE MAINTAINED AS SHOWN (OR 1H:12V TYPICAL IF NOT NOTED).
-WALL DESIGNED FOR LANDSCAPE LOADING ONLY.
-MAXIMUM WALL BATTER TOLERANCE: 1/8" PER FOOT MAX.
-COMPACT SOIL EVERY 10" LIFTS.
-USING HAND OPERATED COMPACTION EQUIPMENT WITHIN 5' OF BACK FACE OF LOCK BLOCK UNITS.
-GEOGRID TO BE TIGHT AND WITH MINIMUM 6" OF MATERIAL PRIOR TO COMPACTING.
- | ABBREVIATIONS: | | JOIST TYPE |
|----------------|--------------------|-----------------------------------|
| S.F.I | STRIP FOOTING TYPE | J1 DEEP |
| S.F. | STEP FOOTING | D.P. DROPPED |
| FTG. | FOOTING | U.N.O. UNLESS NOTED OTHERWISE |
| BOTT. | BOTTOM | E.W. EACH WAY |
| Jw | COMPLETE WITH | E/F. EACH FACE |
| VERT. | VERTICAL | E.F.S. EACH FACE STAGGERED |
| HORIZ. | HORIZONTAL | BEW. EQUALLY |
| ALT. | ALTERNATE | CONT. BOTTOM EACH WAY |
| TYP. | TYPICAL | CANT. CONTINUOUS |
| B.O. | BLOCK OUT | 15M@7'-0" DENOTES 15M BARS, 7'-0" |
| C.I | COLUMN TYPE | LONG |
| B.I | BEAM TYPE | G.T. GIRDER TRUSS |
| | | P.A. POST ABOVE |
- | | | | |
|------|----------------------------|----------|--------------|
| 7 | | | |
| 6 | | | |
| 5 | | | |
| 4 | | | |
| 3 | | | |
| 2 | | | |
| 1 | ISSUED FOR BUILDING PERMIT | SK | JUNE 23 2026 |
| REV. | DESCRIPTION | DESIGNER | DATE |
-
- Concept 2 Concrete AEC Inc.
Engineering & Architectural Services
#Unit 14 - 7550 River Rd., Delta, BC, V4G 1C8
C:514-803-8293
E-MAIL.: contact@concept2concrete.ca
- COPYRIGHT RESERVED
This plan and design are, and at all times remain the exclusive property of the Engineer and cannot be used or reproduced without written consent. Do not scale drawing.
-
- | | |
|----------|----|
| DESIGNED | SK |
| DRAWN | SK |
| CHECKED | IC |
| APPROVED | AC |
- | | | |
|---------|---|-------------------------|
| PROJECT | AF CG - PROPOSED RETAINING WALL
20 BEDDINGTON ROAD NE
CALGARY, AB | JOB NUMBER
ENG26-134 |
| TITLE | GENERAL NOTES / PLANS / SECTIONS | SCALE
AS NOTED |
| | | SHEET NUMBER
S-1 |

