







GRANULAR DRAINAGE MATERIAL

Concrete

- 1. CONCRETE AND WORK TO FOLLOW CAN/CSA-A23.1.

 THE CONTRACTOR SHALL HAVE ACCESS TO A COPY

 OF THIS STANDARD AT ALL TIMES.
- 2. TEST CONCRETE IN ACCORDANCE WITH CAN/CSA-A23.2. TEST RESULTS WILL ISSUED TO CONTRACTOR, ENGINEER AND OWNER.

 5. CONCRETE REQUIREMENTS:
- TYPE
 fc(MPa)
 CEMENT
 SLUMP
 TOTAL

 (mm)
 AIR%

 1)F00TINGS
 25
 50
 80+/-30
 5+/-1

 2)WALLS
 25
 10
 80+/-30
 N/A

 3)SLABS
 32
 10
 80+/-30
 5+/-1

 MAX AGGREGATE (mm)
 20
- MAXIMUM WATER/CEMENT RATIO FOR TYPE 50
 CEMENT TO BE 0.40.
 PROVIDE CLEAR CONCRETE COVER OVER REBAR AS
 FOLLOWS:
- A) SURFACE POURED AGAINST GROUND 75mm
 B) INTERIOR FACE OF WALLS 40mm
 5. PROVIDE 20mm CHAMFER ON ALL EXPOSED
- CONCRETE CORNERS.

 6. GRADE SUPPORTED SLABS, WALKS, AND PADS:
 CAST OVER 6MIL POLY AND 150mm OF GRANULAR
 FILL COMPACTED TO 98% STANDARD PROCTOR
 DENSITY
- 7. ALLOW AMPLE TIME FOR REVIEW AND CORRECTIVE WORK, IF REQUIRED. BEFORE SCHEDULING CONCRETE PLACEMENT.
- 8. DURING CURING OF CONCRETE, SHRINKAGE IS EXPECTED AND AS SUCH HAIRLINE CRACKS MAY OCCUR.
- CONCRETE SLABS MAY EXPERIENCE PRESSURES FROM SOILS THEY ARE SUPPORTED ON. MINOR CRACKING MAY OCCUR DUE TO VARIABLE SOIL PROPERTIES.

Steel

- 1. REINFORCING WORK SHALL BE IN ACCORDANCE WITH CAN/CSA-231 AND CAN/CSA-23.3.
- DEFORMED BARS CONFORMING TO CAN/CSA-G30.18, GRADE 400

WOOD

- 1. ALL WOOD FRAMING SHALL BE IN ACCORDANCE WITH CSA 086.
- 2. ALL LUMBER SHALL CONFORM TO 1978 N.L.G.A.
 GRADING RULES FOR CANADIAN LUMBER.3. WALL STUDS TO BE MINIMUM #2 SPRUCE-PINE-FIR
- OR BETTER U/N ON DRAWINGS, KILN-DRIED TO A
 MINIMUM MOISTURE CONTENT OF 19%.

 4. JOISTS, LINTELS AND BUILT-UP BEAMS TO BE
 MINIMUM #2 SPRUCE-PINE-FIR OR BETTER U/N
 DRAWINGS, PROPERLY SEASONED TO A MOISTURE
- CONTENT OF 19%.

 5. THE CARPENTRY CONTRACTOR IN CONJUNCTION WITH GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL TEMPORARY AND PERMANENT BRACING REQUIRED TO PROVIDE THE STABILITY OF THE STRUCTURE.
- 6. ALL PLYWOOD SHEATHING TO BE EXTERIOR GRADE
 7. ALL WALL AND ROOF SHEATHING TO BE NAILED SECURE IN A CONTROLLED PATTERN AS FOLLOWS:
 7.1 PANEL EDGES -3" NAILS @ 6" o/c
 7.2 INTERMEDIATE SUPPORTS & BLOCKING 3"
- NAILS @ 10" o/c

 3. THE WOOD TRUSS SUPPLIER SHALL BE
 RESPONSIBLE FOR THE DESIGN AND SUPPLY OF
 ALL FLOOR AND ROOF TRUSSES, GABLE END
 TRUSSES, BRIDGING
- 9. THE WOOD TRUGS SUPPLIER SHALL SUBMIT DRAWINGS BEARING THE SEAL OF AN ENGINEER, REGISTERED IN THE PROVINCE OF MANITOBA FOR REVIEW OF:
- 9.1 FABRICATION DRAWINGS OF EACH TRUSS
 TYPE C/W MEMBER SIZES, DIMENSIONS, AND
 DESIGN INFORMATION.
 9.2 AN ERECTION DRAWING, SHOWING THE
- REQUIRED BY THE CONTRACTOR FOR THE PROPER INSTALLATION OF THE TRUSSES.

 10. TRUSS LAYOUT INDICATED ON DRAWINGS IS FOR DIAGRAMMATIC PURPOSES ONLY. ACTUAL TRUSS

LOCATION OF ALL TRUSS AND OTHER INFORMATION

- DIAGRAMMATIC PURPOSES ONLY. ACTUAL TRUSS LAYOUT TO BE DETERMINED BY SUPPLIER.

 11. NO SITE MODIFICATIONS TO BE MADE TO TRUSSES WITHOUT PRIOR APPROVAL OF SUPPLIER AND
- ENGINEER.

 2. ALL REPAIRS MADE TO DAMAGED TRUSSES TO BE
- APPROVED BY SUPPLIER AND ENGINEER.

 13. ALL BUILT-UP WOOD COLUMNS AND POST TO BE CONTINUOUSLY BLOCKED DOWN TO FOUNDATION.

 14. PROVIDE ADDITIONAL STUDS (CRIPPLES) BELOW
- BEARING POINTS OF BUILT-UP BEAMS AND
 LINTELS. NUMBER OF STUDS TO EQUAL NUMBER
 OF PLIES OF BEAM OR LINTEL U/N.
- 15. PROVIDE FLOOR JOIST CROSS-BRIDGING AT INTERVALS INDICATED BY THE TRUSS SUPPLIER.
- 16. PROVIDE CONT. HORIZONTAL SOLID BLOCKING @ MID POINTS VERTICALLY IN ALL EXTERIOR STUD WALLS.
 17. MINIMUM LINTELS FOR STUD BEARING WALLS U/N
- ON DRAWINGS: 17.1. OPENINGS UP TO 3'4" USE 2-2x8

Town of Langenburg Gazebo/Washroom Langenburg, Saskatchwen



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REVISION SCHEDULE

DESCRIPTION DATE

ISSUED FOR CONSTRUCTION 2021/2/8

General

- READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER PERTINENT CONTRACT DOCUMENTS.
- ALL DIMENSIONS ARE IN FEET UNLESS NOTED. THE CONTRACTOR MUST VERIFY DIMENSIONS BEFORE CONSTRUCTION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK; DO NOT SCALE DRAWINGS.
- THE DESIGN AND CONSTRUCTION SHALL IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2010, THE SUPPLEMENT, AND REFERENCED STANDARDS THEREIN. THE BUILDING CODE OF SASKATCHEWAN OR THE LOCAL JURISDICTION HAVING AUTHORITY, WHICH EVER REQUIREMENTS IS THE MOST STRINGENT.
 REFER TO THE EXISTING ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, SLEEVES AND OTHER BUILDING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORKS.
 DRAWINGS SHOW COMPLETED STRUCTURE ONLY
- PROVIDE TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTIONS LOADS SHALL NOT EXCEED THE DESIGN LOADS.

THE OWNER SHALL ARRANGE A "FOUNDATION INSPECTION" WITH THE ENGINEER PRIOR TO BACK FILLING THE STRUCTURE. THE OWNER SHALL BE RESPONSIBLE FOR ALL COSTS OF THE INSPECTION.



1/4" : 1' U/N