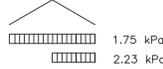


GENERAL NOTES:

- DO NOT SCALE THESE DRAWINGS FOR THE PROPOSED OF CONSTRUCTION. USE FIGURED DIMENSIONS AS SHOWN.
- ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, 2015 EDITION.
- DESIGN LOADS:
ROOF LOADING (UNFACTORED): IMPORTANCE – NORMAL
DEAD LOAD TOP CHORD: 0.5 kPa
DEAD LOAD BOTTOM CHORD: 0.5 kPa
WIND LOAD: 0.56 kPa
SNOW LOAD (UNFACTORED): AS PER DIAGRAM



NOTE:
THE LOADS SHOWN DO NOT INCLUDE THE FOLLOWING:
TRUSS SELF WEIGHT

TRUSS MANUFACTURER IS TO INCLUDE THESE ADDITIONAL LOADS IN THE DESIGN.

- LIVE LOADS:
LEVEL 1 (EL. 20.500m): 4.8 kPa
LEVEL 2: (EL. 23.526m) 4.8 kPa
ATTIC: 1.9 kPa

- ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, HVAC, PLUMBING AND CIVIL DRAWINGS AND SPECIFICATIONS.
- CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC., IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
- THE DRAWINGS ARE INTENDED TO REQUIRE AND TO INCLUDE ALL LABOUR, MATERIAL AND EQUIPMENT PROPER FOR THE WORK.
- ALL WORK SHALL COMPLY WITH ALL LOCAL, PROVINCIAL AND NATIONAL CODES AND REQUIREMENTS.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND SAFETY PROCEDURES. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW BRUNSWICK OCCUPATIONAL HEALTH AND SAFETY ACT. OBSERVE ALL APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES.
- COORDINATE WORK OF ALL DISCIPLINES (ARCH., STRUCT., ELECT., ETC.) WITH EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.
- THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER THE STRUCTURAL INTEGRITY OF ANY EXISTING FEATURE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
- SHOP DRAWINGS: REPRODUCTION OF DESIGN DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMISSIONS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL REVIEW AND PROVIDE REVIEW STAMP ON SHOP DRAWING SUBMISSIONS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER INDICATING UNDERSTANDING AND ACCEPTANCE OF SUBMITTAL AND CONFIRMING CONFORMANCE TO PROJECT PLANS/SPECIFICATION.

EXCAVATION NOTES:

- ALL DEMOLITION WASTE SHALL BE DISPOSED AS APPROVED BY SITE REP.
- ALL COMPACTED BACKFILL MATERIALS SHALL BE PLACED IN MAXIMUM 150mm (6") LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY (SPDD) UNLESS APPROVED OTHERWISE BY A GEOTECHNICAL ENGINEER.
- IN AREAS REQUIRING FILL, ONLY APPROVED SITE EXCAVATED MATERIAL OR APPROVED IMPORTED MATERIALS WILL BE PERMITTED.
- COMPACTION EQUIPMENT SHALL BE APPROVED BY THE ENGINEER.
- FINISH GRADES SHALL BE AS PER EXISTING CONDITIONS. ONCE CONSTRUCTION IS COMPLETE, ALL SURFACES TO HAVE POSITIVE DRAINAGE WITHOUT PONDING.
- GRANULAR AND BACKFILLING MATERIALS REFERRED TO ON THESE DRAWINGS SHALL BE IN GENERAL CONFORMANCE WITH THE FOLLOWING:
A) CLASS A FILL: CLEAN NATURAL SAND AND GRAVEL MATERIAL, FREE FROM SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS AND VEGETABLE MATTER AND GRADED WITHIN FOLLOWING LIMITS:
SIEVE SIZE (TYLER) % PASSING
19,000mm 100
9,510mm 55-80
4,760mm 35-60
0,300mm 7-20
0,075mm 3-6
B) CLASS B FILL: CLEAN ANGULAR CRUSHER RUN NATURAL STONE, FREE FROM SHALE, CLAY, FRIABLE MATERIALS, ROOTS AND VEGETABLE MATTER AND GRADED WITHIN THE FOLLOWING LIMITS:
SIEVE SIZE (TYLER) % PASSING
76,100mm 100
50,800mm 75-100
19,900mm 45-80
4,750mm 25-55
1,180mm 12-35
0,300mm 7-20
0,075mm 3-6
C) SITE FILL: EXCAVATED PERVIOUS SOIL, FREE FROM ROOTS, ROCKS LARGER THAN 75mm AND BUILDING DEBRIS. EXCAVATED MATERIAL SHALL BE APPROVED BY ENGINEER BEFORE USE AS FILL. IF UNSUITABLE, SUBSTITUTE WITH CLASS B MATERIAL.
- EXCAVATIONS SHALL BE KEPT FREE OF WATER AND ANY UNDESIRABLE MATERIALS WHILE WORK IS IN PROGRESS. NOTIFY OWNER'S REPRESENTATIVE WHEN EXCAVATION HAS BEEN RE-COMPACTED AND REINFORCING PLACED. DO NOT PLACE CONCRETE UNTIL DIRECTED TO DO SO.
- PROTECT BOTTOM OF EXCAVATIONS AGAINST FREEZING WHEN TEMPERATURE IS LESS THAN 2°C.
- EXCAVATE TO LINES AND LEVELS NECESSARY TO PROPERLY COMPLETE THE WORK. MINIMUM SIDE SLOPES OF TEMPORARY EXCAVATIONS SHALL NOT EXCEED 1 TO 1 OR AS RECOMMENDED BY OCCUPATIONAL HEALTH AND SAFETY. CONTROL EXCAVATION TO ENSURE BOTTOM OF EXCAVATION DOES NOT SOFTEN DUE TO EXCESS MOISTURE. CONSTRUCT SLOPES IN BOTTOMS OF EXCAVATIONS FOR DRAINAGE AS REQUIRED.

FOUNDATION NOTES:

- ALL EXCAVATED SOIL SURFACES SHALL BE PROOF ROLLED PRIOR TO THE PLACEMENT OF ANY BACKFILL. ANY SOFT AREAS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH COMPACTED TYPE 2 GRANULAR MATERIAL.
- ALL SOIL MATERIALS MUST BE PLACED AND COMPACTED IN THE DRY.
- CONTRACTOR SHALL PROVIDE EXCAVATION, DRAINAGE, DEWATERING AND TEMPORARY FLOW DIVERSION THROUGHOUT THE PROJECT.
- MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 115 kPa.
- ON-SITE EXCAVATED MATERIAL SHALL NOT BE REUSED AS BACKFILL, UNLESS APPROVED BY ENGINEER.
- ALL COLUMN AND WALL FOOTINGS SHALL BEAR ON APPROVED UNDISTURBED NATIVE SOILS OR ENGINEERED FILL AS APPROVED BY OWNERS' GEOTECHNICAL CONSULTANT.
- BACKFILL MATERIAL SHALL BE PLACED WITH A MAXIMUM LIFT THICKNESS OF 200mm. MATERIAL SHOULD BE COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY FOR ITS FULL DEPTH.
- THE CONFIRMATION OF SUITABLE BEARING STRATA SHALL BE PERFORMED BY QUALIFIED GEOTECHNICAL PERSONNEL BEFORE BACKFILL IS PLACED, AND WHERE FOUNDATIONS AND SLABS ARE TO BE CONSTRUCTED.
- OUTSIDE FACE OF FOUNDATION STRIP WALL TO COINCIDE WITH GRIDLINE UNLESS NOTED OTHERWISE ON THE FOUNDATION PLAN.
- SPREAD FOOTINGS TO BE LOCATED ON CENTER OF COLUMNS. COLUMNS TO BE LOCATED AT INTERSECTION OF GRIDLINES U.N.O. SEE COLUMN OFFSET TABLE.
- TOP OF FOUNDATION STRIP WALL ELEVATION 20.037m UNO.
- THE CONTRACTORS ATTENTION IS DIRECTED TOWARDS THE EARTHWORK REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT, COMPLETED BY GEMTEC FILE 4735.86 RECOMMENDATIONS LETTER DATED FEB. 26, 2016.
- TOP OF CONCRETE ELEVATION OF 17.600m CORRESPONDS TO EXISTING FLOOR SLAB ELEVATION.

CONCRETE NOTES:

- CONCRETE SPECIFICATIONS:
CONCRETE STRENGTH – 30 MPa (AT 28 DAYS, SLUMP 75mm ± 25mm, AIR 6% ± 1%)
FOUNDATIONS – F2 – 25MPaMPa (AT 28 DAYS, SLUMP 75mm ± 25mm, AIR 6% ± 1%)
SLAB – C4 – 25MPaMPa (AT 28 DAYS, SLUMP 75mm ± 25mm, NON AIR ENTRAINED)
EXTERIOR SLAB – C2 – 35MPaMPa (AT 28 DAYS, SLUMP 75mm ± 25mm, AIR 6% ± 1%)
- CSA-A23.1-14 EDITION "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" SHALL APPLY AND BE ADHERED TO.
- CONCRETE REINFORCEMENT SHALL BE DEFORMED BARS CONFORMING TO CURRENT CSA SPECIFICATION G30.18M-09. ALL REINFORCING STEEL TO HAVE 400MPa YIELD STRENGTH.
- ALL REINFORCING STEEL SHALL HAVE A PROTECTION OF CONCRETE NOT LESS THAN THE FOLLOWING:
AT GROUND CONTACT SURFACES WHEN CONCRETE IS DEPOSITED AGAINST THE GROUND – 75mm
AT FORMED SURFACES EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS – 50mm
AT SURFACES NOT EXPOSED DIRECTLY TO GROUND OR WEATHER – 38mm
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING WORK.
- ALL EXISTING CONCRETE SURFACES IN CONTACT WITH NEW CONCRETE OR GROUT SHALL BE BUSH-HAMMERED AND HAVE SKADUR 32 HI-MOD BONDING AGENT APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- ALL EMBEDDED METALS SHALL BE FREE OF GREASE OR ANY AGENT THAT MAY INHIBIT ITS BOND WITH THE CONCRETE. ALL EMBEDDED METALS SHALL BE IN PLACE PRIOR TO POURING THE CONCRETE.
- ANCHOR BOLT LOCATIONS TO BE CONFIRMED BEFORE AND AFTER CONCRETE PLACEMENT BY LEGAL SURVEY EXECUTED BY CONTRACTOR.
- CONCRETE TEMPERATURE TO REMAIN AT 10°C OR HIGHER FOR A MINIMUM OF 7 DAYS. INSULATED TARPS OR PORTABLE HEATERS MAY BE USED TO MAINTAIN REQUIRED TEMPERATURE.

WOOD FRAMING:

- ALL LUMBER USED FOR STUD BEARING WALLS, LINTELS AND POSTS SHALL BE SPF NO.1/2 U.N.O.
- ALL EXTERIOR WALL SHEATHING SHALL BE ORIENTED STRAND BOARD (OSB) CONFORMING TO CSA STANDARD 0325-12 PANELS AS FOLLOWS (UNLESS NOTED OTHERWISE):
NAIL SPACING: 15.9mm OSB, BLOCKED 150mm ALONG PANEL EDGES 300mm AT INTERMEDIATE STUDS
NAIL TYPE: 65mm COMMON(GALVANIZED)
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE NATIONAL BUILDING CODE OF CANADA 2015 EDITION.
- HANGING OF MECHANICAL PIPING AND DUCT WORK FROM TRUSS CHORDS OR FLOOR JOISTS SHALL BE AS PER JOIST AND TRUSS MANUFACTURER'S RECOMMENDATION.
- CUTTING OF HOLES FOR REMOVAL OR STRUCTURAL FRAMING SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- ALL TIMBER SHALL COMPLY WITH CSA 086-14.
- TEMPORARY LATERAL BRACING OF THE TIMBER STRUCTURE IS THE RESPONSIBILITY OF THE BUILDING CONTRACTOR.
- ALL TIMBER INTERIOR AND EXTERIOR AND STUD BEARING WALLS TO BE 38x140mm SPF NO.1/2, 406mm C/C, WITH BLOCKING @ 1220mm O/C UNLESS NOTED OTHERWISE.
- PROVIDE STRAP TIES ON TOP CHORD AT ALL BREAKS FOR LINTELS ETC. TO PROVIDE A CONTINUOUS TOP CHORD. USE CMST 4267mm STRAP BY SIMPSON STRONG TIE OR APPROVED EQUAL.
- IF AIR NAILER IS USED NAIL SPACING SHALL BE REDUCED BY 1/3.
- CONTRACTOR SHALL COORDINATE ALL WALL OPENINGS WITH ARCHITECTURAL DRAWINGS
- PROVIDE ONE UPLIFT CONNECTOR AT EACH RAFTER BEARING POINT.
- ALL NAILS, SPIKES AND STAPLES SHALL BE IN ACCORDANCE WITH NBCC CLAUSE 9.23.3.
- PRE-DRILL ALL BOLT HOLES PRIOR TO INSTALLING BOLTS.
- PROVIDE SOLID BLOCKING AT ALL RAFTER BEARING POINTS.

ROOF FRAMING

- ALL ROOF TRUSSES SHALL BE DESIGNED, FABRICATED AND INSTALLED IN ACCORDANCE WITH CAN/CSA 086-14.
- SUBMIT TRUSS SHOP DRAWINGS AND TRUSS LOCATION PLANS TO SHOW BEARING CONNECTIONS, HANGERS AND TIE-DOWNS, MEMBER SIZES AND DETAILS, ETC. FOR THE ENGINEER'S REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BEAR THE STAMP OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF NEW BRUNSWICK.
- LIMIT LIVE LOAD DEFLECTIONS TO L/360 OF A SPAN.
- PROVIDE UPLIFT CONNECTORS AT EACH TRUSS BEARING POINT FOR WIND UPLIFT ON ROOF IS 0.2kPa.
- ALL ROOF TRUSSES SHALL BE SPACED AT 610mm O/C MAXIMUM UNLESS NOTED OTHERWISE.
- ALL NAILS, SPIKES AND STAPLES SHALL BE IN ACCORDANCE WITH NBC 2015.
- PROVIDE WASHERS AT ALL BOLTED CONNECTIONS.
- CONTRACTOR TO PROVIDE A TRUSS ERECTION DRAWING SHOWING TEMPORARY BRIDGING AND SUBMIT IT TO THE ENGINEER FOR REVIEW.
- ALL OVERBUILD SHALL BE SPF NO.1/2 UNLESS OTHERWISE NOTED.
- ALL ROOF SHEATHING SHALL BE 15.9mm T&G OSB CONFORMING TO CSA 0325-12
- THE DESIGN AND SPECIFICATION OF PERMANENT TRUSS BRACING TO PROVIDE LATERAL SUPPORT TO WEB AND CHORD MEMBERS IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.
- IF AIR NAILER IS USED NAIL SPACING SHALL BE REDUCED BY 1/3

ROOF DIAPHRAGM:

- SHEATHING 15.9mm T&G ORIENTED STRAND BOARD (OSB) CONFORMING TO CSA STANDARD 0325-12, COMPLETE WITH BLOCKING AT UNSUPPORTED EDGES:
NAIL SPACING 100mm AT PANEL EDGES 300mm AT INTERMEDIATE SUPPORTS
NAIL TYPE 65mm COMMON



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Project No. 140164135



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revisions		date

project	project
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INTERPRETIVE CENTER
MARY'S POINT, NB

drawing dessin

GENERAL NOTES

designed WJP conçu

date 2016.02.09

drawn MJF dessiné

date 2016.02.09

approved approuvé

date

Tender Soumission

PWSSC Project Manager Administrateur de projets TPSSC

project number no. du projet

R.076495.001

drawing no. no. du dessin

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