

GENERAL NOTES:

- THIS STRUCTURE HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF PART 3 OF THE MANITOBA BUILDING CODE-2011.
- ALL SPECIFICATIONS AND CODES SPECIFIED SHALL BE THE LATEST REVISION AVAILABLE.
- SITE VERIFY ALL DIMENSIONS, ELEVATIONS, DETAILS, QUANTITIES AND CONDITIONS PRIOR TO START OF ANY DEMOLITION, CONSTRUCTION OR PREFABRICATION OF ANY STRUCTURAL COMPONENT.
- EXISTING STRUCTURAL SUPPORTS WHICH INTERFERE WITH NEW WORK SHALL BE RELOCATED UPON APPROVAL BY THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR SHALL ENSURE THAT ALL BURIED SERVICES ARE LOCATED AND MARKED PRIOR TO EXCAVATION.
- ALL BUILDING SYSTEMS COMPONENTS SHALL BE THE PRODUCTS OF A SINGLE MANUFACTURER UNLESS SPECIFIED OTHERWISE.
- SHIP, STORE, HANDLE, ERECT, INSTALL, ETC. ALL BUILDING MATERIALS, COMPONENTS, FIXTURES, EQUIPMENT, ETC. AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL DEMOLITION, FABRICATION, CONSTRUCTION, ETC. SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL PERTINENT BUILDING CODES, AND LOCAL BYLAWS AND ORDINANCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE PROTECTION FOR THE EXISTING FACILITY/PROPERTY TO PREVENT PHYSICAL DAMAGE AND LOSS OF VALUE OR USE OF ANY KIND, AS A RESULT OF DEMOLITION, CONSTRUCTION AND RELATED ACTIVITIES.
- THE DURATION OF ANY NECESSARY DISRUPTION IN THE USE OF ANY ROOM, SPACE, SERVICE, EQUIPMENT, ETC. SHALL BE COORDINATED WITH, AND APPROVED BY THE CONTRACT ADMINISTRATOR AT THE START OF THE PROJECT. PROVIDE CONTRACT ADMINISTRATOR WITH MINIMUM ONE WEEK NOTICE (OR AS REQUIRED) PRIOR TO EACH ACTUAL OCCURRENCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CONTRACT ADMINISTRATOR OF ANY PREVIOUSLY UNNOTICED PRE-EXISTING FLAW OR CONDITION THAT MIGHT INCREASE THE SCOPE OF WORK OR COMPROMISE NEW CONSTRUCTION, PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION, OR AS SOON AS IT IS DISCOVERED.
- DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE PROJECT TECHNICAL SPECIFICATIONS.

DEMOLITION:

- ALL DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL PERTINENT BUILDING CODES, THE MANITOBA DEPARTMENT OF LABOUR, AND ANY OTHER PROVINCIAL AND LOCAL BY-LAWS, REGULATIONS AND ORDINANCES.
- DEMOLITION SHALL INCLUDE THE SAFE REMOVAL, HAULING AND DUMPING OF ALL DEBRIS, ETC. TO AN APPROVED SITE. ALL COSTS ASSOCIATED WITH THIS OPERATION, INCLUDING TRANSPORT, LICENSES AND FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COORDINATE THE MOVING AND STORAGE OF SALVAGED ITEMS, MATERIALS, EQUIPMENT, ETC. WITH THE CONTRACT ADMINISTRATOR.

STRUCTURAL AND MISCELLANEOUS STEEL:

- STRUCTURAL AND MISCELLANEOUS STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH CAN/CSA S16 (LATEST).
- STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF CAN/CSA G40.20/G40.21 (LATEST).
 ROLLED W-SHAPES CSA G40.21-350W
 ROLLED SHAPES & PLATES CSA G40.21-300W
 HSS SECTIONS CSA G40.21-355W
 CLASS C
 BOLTS, NUTS, & WASHERS ASTM A325-14
 WELDING ELECTRODES CSA W48-14
- FIELD CONNECTIONS SHALL BE BOLTED 19mm DIAMETER A325 BEARING TYPE UNLESS NOTED OTHERWISE. BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH CSA S16 (LATEST).
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
- STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FINISHED AS INDICATED BELOW, UNLESS OTHERWISE NOTED, OR APPROVED EQUAL IN ACCORDANCE WITH B7.
EXTERIOR STEEL
 - SURFACE PREP. TO SP8 (COMMERCIAL BLAST)
 - ONE PRIME COAT INTERZINC 62 ZINC-RICH EPOXY (2.5 MIL DFT.)
 - ONE FINISH COAT INTERGRARD 945 HIGH BUILD EPOXY (8.0 MIL DFT.)
GALVANIZED STEEL
 - SURFACE PREP. TO SP8 (PICKLING)
 - HOT DIPPED GALVANIZED TO ASTM A123-13
- COLOUR OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE AS FOLLOWS:
 EQUIPMENT PLATFORM - GALVANIZED
 SCREEN SUPPORT FRAME - MATCH EXISTING
 STAIRS & GUARDRAIL - GALVANIZED
 JOIST REINFORCING - NEUTRAL GREY
- FIELD TOUCH-UP WITH GALVANIZING SOLDER TO MATCH GALVANIZED STEEL. ACCEPTABLE PRODUCT: GAL-VIZ OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- FIELD TOUCH-UP PAINT TO CONNECTIONS, WELDS, BURIED OR DAMAGED SURFACES, AND UNFINISHED SURFACES AT COMPLETION OF ERECTION AND SHALL MATCH THICKNESS AS SPECIFIED.
- PAINTED SURFACES OF EXISTING STEEL SHALL BE GROUND SMOOTH TO BARE METAL PRIOR TO FIELD WELDING.
- PROVIDE 75x75x7.9mm ANGLE FRAMING BETWEEN G.W.S.J. AND AROUND ALL SIDES OF DECK OPENINGS LARGER THAN 300mm DIA. UNLESS NOTED.

WELDING:

- WELDING SHALL BE IN ACCORDANCE WITH CSA W59 (LATEST), BY WELDERS CERTIFIED AND QUALIFIED IN ACCORDANCE WITH CSA W17.1 (LATEST). ALL WELDS TO BE 6mm UNLESS NOTED OTHERWISE.
- PROVIDE ADEQUATE PROTECTION FOR EXISTING WIRES, PIPING, DUCTS ETC. DURING JOIST REINFORCING.
- CONTRACTOR RESPONSIBLE FOR OBTAINING DAILY HOT WORK PERMIT AND PROVIDING FIRE WATCH IN ACCORDANCE WITH WINNIPEG FIRE PARAMEDIC SERVICE RECOMMENDATIONS, THE CONTRACT ADMINISTRATOR'S REQUIREMENTS AND NFPA 518.
- INSPECTION OF WELDING SHALL BE UNDERTAKEN BY AN ORGANIZATION CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENT OF CSA W178.1. WELDING INSPECTORS FOR WELD INSPECTIONS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W178.2 (LEVEL 2 MINIMUM) AND CERTIFIED BY THE CANADIAN WELDING BUREAU.
- ALL STRUCTURAL STEEL WELDING AND ADJACENT SURFACES SHALL BE 100% VISUALLY INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA W59 AND WELD VISUAL INSPECTION REPORT SHALL BE SUBMITTED TO CONTRACT ADMINISTRATOR FOR REVIEW.

STEEL DECK:

- FABRICATE STEEL DECK IN ACCORDANCE WITH ASTM A653M-13 WITH A Z775 GALVANNEAL ZINC COATING OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- THE THICKNESS SPECIFIED REFERS TO THE NOMINAL BASE STEEL THICKNESS EXCLUSIVE OF ANY COATINGS.
- INSTALL IN ACCORDANCE WITH CSA S136 (2012) AND MANUFACTURER'S INSTRUCTIONS. FASTEN DECKING TO STRUCTURAL STEEL WITH 19mm DIAMETER FUSION WELDS AT 300mm O/C ALONG ALL SUPPORTS. CLINCH ALL SIDE SEAMS AT 300mm O/C.
- ROOF DECK TO BE W/VEST RD 938, 38mm DEEP X 0.76mm (0.0299") THICK, TO MATCH EXISTING OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- LAP NEW STEEL DECK MIN. 150mm ON ALL SIDES OF EXISTING OPENINGS. SCREW TO EXISTING STEEL DECK WITH SELF DRILLING SCREWS AT 150mm O/C.

STRUCTURAL STEEL GRATING:

- STEEL GRATING AND GRATING STAIR TREADS TO BE TYPE 19-4 STANDARD FLOWFORGE STEEL GRATING BY NUCOR OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- BEARING BARS TO BE SERRATED 38mm x 4.8mm WIDE SPACED AT 30mm O/C FOR EXTERIOR SURFACES UNLESS NOTED.
- GRATING SHALL HAVE A GALVANIZED FINISH.
- ALL CUT EDGES SHALL BE BANDED.
- GRATING STAIR TREADS SHALL HAVE CHECKER PLATE NOISING.
- ALL GRATING AND STAIR TREADS SHALL BE PERMANENTLY WELDED, OR CLIPPED TO STRUCTURAL FRAMING UNLESS NOTED. MINIMUM OF 2 CLIPS PER EACH STRUCTURAL SUPPORT TO BE PROVIDED. MINIMUM 40mm LONG 5mm FILLET WELD PLACED AT EACH STRUCTURAL INTERMEDIATE SUPPORT IN THE MIDDLE OF THE PANELS AND AT THE FOUR BEARING BAR ENDS, 150mm FROM EACH SIDE OF PANEL.

WOOD FRAMING:

- FRAMING LUMBER SHALL BE GRADED IN ACCORDANCE WITH NATIONAL LUMBER GRADES AUTHORITY STANDARD GRADING RULES FOR CANADIAN LUMBER-2014.
 - MINIMUM GRADES TO BE AS FOLLOWS:
- | COMPONENT | GRADE |
|----------------|----------|
| BUILT-UP BEAMS | SPF NO.2 |
- LUMBER MOISTURE CONTENT NOT TO EXCEED 19%.
 - MINIMUM FRAMING REQUIREMENTS TO BE IN ACCORDANCE WITH PART 9 "WOOD FRAME CONSTRUCTION" SECTION OF THE MANITOBA BUILDING CODE OF CANADA-2010.
 - CUT LUMBER NEAT AND SQUARE PROVIDING FULL SURFACE CONTACT WITH ADJOINING MEMBERS.
 - PROVIDE MINIMUM 48 HOURS NOTICE FOR FRAMING INSPECTION PRIOR TO CLOSING IN.

NOTES:

THESE DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL OPENINGS THROUGH THE FIRE SEPARATIONS AS A RESULT OF THE WORK OF THIS CONTRACT ARE TO BE FIRE STOPPED AND SEALED WITH UL/C APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE AND SMOKE-TIGHT BARRIER.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.


THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER		19.08.19

SEAL



PROVINCE OF MANITOBA
SHRIKIREDDY
Member
35174
REGISTERED PROFESSIONAL ENGINEER

DATE	USER	CHECKED	DESIGNED	APPROVED
19.07.25				

Winnipeg THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 ROOFTOP HEAT RECOVERY
 VENTILATOR REPLACEMENT
 BONIVITAL POOL
 1215 ARCHIBALD STREET

SHEET TITLE
 STRUCTURAL
 NOTES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	19-0107-007	S03

