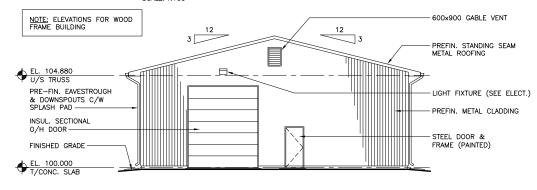
# NORTH ELEVATION



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# **GENERAL**

STEEL DOORS AND FRAMES

- 1. FABRICATE STEEL DOORS AND FRAMES IN ACCORDANCE WITH THE CANADIAN STEEL DOOR AND FRAME MANUFACTURER'S ASSOCIATION "CANADIAN MANUFACTURING SPECIFICATIONS FOR STEEL DOORS
- 2. DOORS TO BE OF 1.52mm (16 GA.) ZINC WIPED SHEET STEEL, 44.5mm THICK, WELDED TYPE, REINFORCED FOR SPECIFIED HARDWARE. SEE DOOR SCHEDULE FOR ALL DOOR SIZES AND HARDWARE. INTERIOR DOOR CORES TO BE RESIN IMPREGNATED KRAFT HONEYCOMB (U/N). EXTERIOR DOORS TO BE FILLED WITH INJECTED POLYURETHANE FOAM INSULATION AND SHALL HAVE VINYL CAPS. FIRE—RATED
- 3, FRAMES TO BE OF 1.52mm (16 GA.) ZINC WIPED SHEET STEEL, WELDED TYPE, REINFORCED FOR SPECIFIED HARDWARE AND CONFIGURATION. PROVIDE 3 NEOPRENE BUMPERS PER DOOR LEAF. EXTERIOR FRAMES TO BE THERMALLY BROKEN. FIRE—RATED FRAMES SHALL BEAR APPROPRIATE U.L.C. LABEL.
- 4. INSTALL ALL FRAMES/DOORS PLUMB AND SQUARE. PACK EXTERIOR FRAMES WITH BATT INSULATION EXTERIOR FRAMES SHALL BE SEALED TO AIR/VAPOUR ARRIER ON INTERIOR SIDE AND TO BUILDING CLADDING ON EXTERIOR SIDE. INSTALL ALL FIRE-RATED FRAMES/DOORS TO N.F.P.A. 80.

### STEEL DOOR HARDWARE

000K NO. 101 (900X2150)
-1 1/2 PR. 102X114 FBB199 NRP C26D HINGES
-D53PD RHO 626 LOCKSET, 127mm BACKSET
-4040 SUPER SMOOTHEE LCN CLOSER -CT-9 100mm EXTRUDED ALUM. KNC THRESHOLD
-W-15 KNC WEATHERSTRIP

- -1 1/2 PR. 102×114 FBB199 NRP C26D HINGES -D12D RHO 626 LOCKSET, 127mm BACKSET -0120 RHO 020 COCNSE; 127MM BACKSE! -4040 SUPER SMOOTHEE LCN CLOSER -CT-9 100mm EXTRUDED ALUM. KNC THRESHOLD -W-15 KNC WEATHERSTRIP -W-24S KNC SWEEP
- DOOR NO. 103 & 104 (900x2150) -1 HOUR FIRE-RATED DOOR
- 1 1/2 PR. 102x114 FBB179 C26D HINGES -D10S RHO 626 PASSAGE SET, 127mm BACKSET -4404 SUPER SMOOTHEE LCN CLOSER -HB1123X FLOOR STOP

#### SECTIONAL OVERHEAD DOOR

- PREFINISHED STEEL CLAD UNIT. ACCEPTABLE PRODUCT: SECTIONAL STEEL DOOR SERIES 422 BY OVERHEAD DOOR CORPORATION OR EQUIVALENT
- 2. PANELS TO HAVE A NOMINAL THICKNESS OF 50mm, CLAD WITH 20 GA. PREFINISHED GALVANIZED STEEL. END STILES TO BE 16 GA. GALV. STEEL HORIZONTAL PANEL JOINTS TO BE SHIP-LAP DESIGN WITH ROUNDED WATER CHANNELS FOR POSITIVE DRAINAGE TO ACTERIOR. PANEL HIGH TO BE 2. COAT DATE OF THE PARENCE OF THE PROPERTY OF THE PARENCE OF THE BAKED-ON POLYESTER, WHITE, INTERIOR AND
- 3. LOCK TO BE INSIDE MOUNTED, ADJUSTABLE KEEPER, SPRING ACTIVATED LATCH BAR WITH FEATURE TO KEEP IN LOCKED OR RETRACTED POSITION, ELECTRONICALLY INTERLOCKED WITH OPENER.
- 4. SEAL ALL JOINTS WITH CONTINUOUS FROM TYPE WEATHERSTRIP: BULB TYPE STRIP ALONG BOTTOM AND FLAP TYPE ALONG JAMBS AND HEAD.
- 5. HINGES, AND OTHER HARDWARE TO BE HOT-DIPPED GALVANIZED STEEL. BALL BEARING ROLLERS TO BE FULL FLOATING WITH HARDENED STEEL RACES AND SHALL BE SIZED TO SUIT DESIGN LIMITATIONS OF DOOR BALANCE DOOR WITH 100,000 CYCLE TORSION SPRING AND PUSHER SPRINGS TO MAINTAIN TENSION ON CALBES, 3" TRACK

### ELECTRIC OVERHEAD DOOR OPERATORS

- WALL MOUNTED HEAVY DUTY V-BELT DRIVE
   JACKSHAFT TYPE ELECTRIC DOOR OPERATOR WITH A
   SELF-ENGAGING HOIST AND MECHANICAL BRAKE, C/W
   ALL NECESSARY DRIVING HARDWARE AND CONTROL
   ACCESSORIES REQUIRED FOR PROPER OPERATION.
- 2. MOTOR TO BE RATED FOR APPLICATION COMPLETE WITH HIGH STARTING TORQUE, CONTINUOUS DUTY MOTOR, ODP, C/W A CURRENT SENSING DEVICE WITH MANUAL RESET. ALL ELECTRICAL COMPONENTS TO BE IN A NEMA 1 ENCLOSURE.
- 3. CONTROL STATION TO BE STANDARD, THREE BUTTON OPEN—CLOSE—STOP, CONTROL FOR ELECTRIC OPERATOR; 24 VOLT CIRCUIT, SURFACE MOUNTED; HOLD OPEN TIMER. MOUNT BESIDE OVERHEAD DOORS.
- 4. EMERGENCY OPERATION: BY A SELF-ENGAGING HOIST (REQUIRING NO FLOOR DISCONNECT TO OPERATE)
  FOR MANUAL CHAIN OPERATION. OPERATOR TO BE
  EQUIPPED WITH LIMIT SWITCHES. LIMIT SWITCHES TO AFTER THE MOTOR HAS BEEN REMOVED.
- 5. CONTROL AND SAFETY ACCESSORIES TO BE SUPPLIED CONTROL AND SAFETY ACCESSIONES TO BE STATED FOR EACH OVERHEAD DOOR: ONE THREE-PUSH-BUTTON STATION, PNEUMATIC SENSING
- 6. ACTIVATION OF SAFETY DEVICES WILL REVERSE THE DOOR DURING CLOSING. SEQUENCE TO BE ADJUSTABLE IN THE FIELD TO MOMENTARY CONTACT
- 7. ACCEPTABLE PRODUCT: MANARAS

#### WOOD FRAMING

- SEE 'WOOD ROOF TRUSSES' NOTES.
- 2. MINIMUM FRAMING REQUIREMENTS TO BE IN ACCORDANCE WITH PART 9 "WOOD FRAME CONSTRUCTION" SECTION OF THE MANITOBA BUILDING
- 3. CUT LUMBER NEAT AND SQUARE PROVIDING FULL SURFACE CONTACT WITH ADJOINING MEMBERS.
- 4. CARPENTRY CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLY AND ERECTION OF TEMPORARY GUYING AND BRACING TO ENSURE STABILITY OF THE STRUCTURE AS A WHOLE. THESE SHALL REMAIN IN PLACE UNTIL ALL SHEATHING AND PERMANENT BRACING IS
- 5. PROVIDE MINIMUM 48 HOURS NOTICE FOR FRAMING INSPECTION PRIOR TO CLOSING IN.

### LIGHTWEIGHT STEEL FRAMING (LOADBEARING)

- LIGHTWEIGHT STEEL FRAMING SYSTEM COMPONENTS AND CONSTTUCTION SHALL BE IN ACCORDANCE WITH CAN/CSA-S136 (LATEST) "COLD FORMED STRUCTURAL STEEL MEMBERS", AND RECOMMENDATIONS OF CSSBI.
- 2. SHEET STEEL FRAMING MEMBERS SHALL BE FABRICATED FROM COLD FORMED STEEL CONFORMING TO ASTM A446 STANDARD HOT-DIPPED GALVANIZED TO Z275, MINIMUM GRADES (YIELD POINT) TO BE 50,000 PSI FOR MATERIAL 1.52mm (16 GAUGE) AND THICKER, AND 33,000 PSI FOR MATERIAL 1.22mm (18 GAUGE) AND THINNER.
- 3. ALL FRAMING MEMBERS, TRACKS, BRIDGING, AND RELATED COMPONENTS, ETC. SHALL BE THE PRODUCTS OF A SINGLE MANUFACTURER. COMPONENTS TO BE BY BAILEY/MANTANE OF APPROVED EQUAL IN ACCORDANCE WITH B6
- 4. STUDS SHALL BE TO DEPTH AND THICKNESS NOTED ON DRAWINGS. STUD WEBS SHALL BE PERFORATED.
- 5. DEPTH AND THICKNESS OF TRACK, SOLID BRIDGING/BLOCKING, ETC., SHALL MATCH FRAMING MEMBERS UNLESS OTHERWISE NOTED. WEBS SHALL BE UNPERFORATED (SOLID).
- 6. ALL FRAMING SHALL BE STORED, HANDLED, WORKED, AND ASSEMBLED AS PER MANUFACTURER'S WRITTEN AND ASSEMBLEU AS PER MANUFACTURES WHITTEN INSTRUCTIONS. FASTEN COMPONENTS TOGETHER USING SCREWS OR WELDING, AS PER MANUFACTURER'S RECOMMENDATIONS. INSTALL ALL FRAMING PLUMB, LEVEL, AND SQUARE. PROVIDE APPROPRIATE BLOCKING/BACKING AS REQUIRED BY OTHER TRADES.

#### CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG (204) 896-1209 **GROUP** THUNDER BAY (807) 345-2233 DESIGNED CHECKED APPROVED JG/SNH HOR. SCALE

#### WOOD ROOF TRUSSES

PRE-FIN. EAVESTROUGH

PREFIN. METAL CLADDING

PREFIN. METAL ROOFING

PRE-FIN. FAVESTROUGH

PREFIN. METAL CLADDING

& DOWNSPOUTS C/W SPLASH PAD

EL. 100.000 T/CONC. SLAB

& DOWNSPOUTS C/W SPLASH PAD

EL. 100.000 T/CONC. SLAB

. WOOD TRUSSES SHALL BE DESIGNED BY OTHERS.
THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL
EQUIPMENT SHALL BE CO-ORDINATED WITH THE MECHANICAL SUBCONTRACTOR

WEST ELEVATION

EAST ELEVATION

- 2. SHOP DRAWINGS INDICATING SIZES, LENGTHS, SLOPES, SPACING, CAMBER, LOADING CRITERIA, CONNECTIONS, ETC, SHALL BE SUBMITTED BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 3. MANUFACTURE ALL TRUSSES WITH CAMBER TO OFFSET DEAD LOAD DEFLECTION.
- 4. DEFLECTION DUE TO LIVE LOADS SHALL NOT EXCEED SPAN/360.
- ALL FLUSH FRAMED TRUSSES SHALL BE SUPPORTED WITH METAL HANGERS. ALL HANGERS AND TRUSS TO TRUSS CONNECTIONS TO BE DESIGNED BY TRUSS MANUFACTURER
- 6. ALL ROOF TRUSSES SHALL BE TIED TO SUPPORTING STRUCTURE WITH 18 GA. GALV. "HURRICANE" TIES AT EACH END IN ADDITION TO NORMAL TOE-NAILING.
- . TRUSSES SHALL NOT BE FIELD MODIFIED IN ANY WAY WITHOUT WRITTEN CONSENT OF THE MANUFACTURER AND THE CONTRACT ADMINISTRATOR
- 8. SHIP, STORE, HANDLE AND INSTALL PREFABRICATED WOOD TRUSSES AND RELATED COMPONENTS IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN

## VAPOUR/AIR BARRIER

- 1. VAPOUR/AIR BARRIER AROUND ENTIRE HEATED AREA VAPOUR/AIR BARRIER AROUND ENTIRE HEALED AREA OF BUILDING SHALL CONSIST OF 6 MIL POLYETHYLENE SHEET IN WALLS, CEILING, AND BELOW CONCRETE FLOOR SLAB. BARRIER SHALL ALSO INCLUDE ALL OTHER TRANSITION MATERIALS AND CLOSURES AS NOTED/DETAILED.
- VAPOUR/AIR BARRIER SHALL COMPLETELY SEPARATE THE HEATED INTERIOR OF THE BUILDING FROM UNHEATED EXTERIOR. BARRIER SHALL BE CONTINUOUS WITH ALL INTERFACES BETWEEN DISSIMILAR COMPONENTS LAPPED AND/OR SEALED AS DETAILED AND NOTED. INSTALL ALONG INSIDE FACE OF THERMAL
- 3. POLYETHYLENE TO BE 6 MIL THICK VIRGIN MATERIAL IN ACCORDANCE WITH CAN2-51-34M86. PROVIDE SPECIALLY MOLDED POLETHYLENE PANS AT ELECTRICAL SPECIALLY MOLDED POLE-INTERNE PANS AI ELECTRICAL BOXES, LAP AND SEAL. MINIMIZE LAPS BY USING MAXIMUM AVAILABLE SHEET SIZE. ALL LAPS TO BE 300mm MINIMUM AND SEALED WITH ACOUSTICAL SEALANT. PROVIDE STRUCTURAL BACKING ALONG ALL LAPS BY FULLY CLAMPING BETWEEN WALL BOARD AND FRAMING. SEAL ALONG FLOOR AND ROOF STRUCTURE AS DETAILED. SEAL ALONG INSIDE EDGE OF DOOR AND WINDOW. EDAMES. DROVED FLUX SEALED ALGORDADE. WINDOW FRAMES, PROVIDE FULLY SEALED ELASTOMERIC COLLARS AROUND ALL MECHANICAL/ELECTICAL PENETRATIONS.

### MOISTURE BARRIER

- 1. SHEET TYPE MOISTURE BARRIER TO BE NONWOVEN NON-PERFORATED SPUN BONDED OLEFIN. APPROVED PRODUCT: 'TYVEK COMMERCIAL WRAP'
- 2. STORE, HANDLE, AND INSTALL ALL SYSTEM MATERIALS IN ACCORDANCE WITH MANUFACTURER'S
  RECOMMENDATIONS. INSTALL ONLY OVER SOUND
  SUBSTRATE. SHEATHING TAPE, FASTENERS AND OTHER ACCESSORIES AS PER MANUFACTURER'S
- 3. LAP SHEETING (OVER SHEETING OR FLASHING) TO SHED MOISTURE TO BUILDING EXTERIOR. TAPE ALL JOINTS, PENETRATIONS AND AROUND WALL OPENINGS.

## GYPSUM SHEATHING (EXTERIOR)

- SHEATHING USED ON THE EXTERIOR OF THE BUILDING WALL FRAMING ALONG THE SOUTH AND EAST SIDES (REQUIRING 1 HOUR FIRE-RATING) SHALL BE 16mm THICK TYPE 'X' G-P GYPSUM 'DENS-GLASS GOLD
- 2. INSTALL ALL SHEAHTING BOARD SQUARE, PLUMB AND LEVEL, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE NATIONAL BUILDING CODE AND GOOD STANDARD PRACTICE.
- 3. FASTEN BOARD TO STEEL FRAMING USING APPRORIATE DRYWALL SCREWS AS RECOMMENDED BY MANUFACTURER. USE CORROSION—RESISTANT SCREWS
- 4. FIRE-RATED ASSEMBLIES SHALL BE CONTINUOUS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH NOTED U.L. FILE NO. (UL W424) REQUIREMENTS AND THE NATIONAL BUILDING CODE OF CANADA (LATEST).

## STANDING SEAM METAL ROOFING

- . STANDING SEAM METAL ROOFING SHALL BE A COMPLETE SYSTEM AND BE THE PRODUCT OF A SINGLE MANUFACTURER/SUPPLIER. SYSTEM SHALL INCLUDE ALL ROOFING PANELS, FASTENING CLIPS, TRIM, FASCIAS, GUTTERS, EQUIPMENT CURBS, BACKING ANGLES, CLOSURES, SEALANTS, FASTENERS, ETC.. SYSTEM TO BE TSR PANEL SERIES 1000 BY VICWEST STEEL OR APPROVED EQUAL IN ACCORDANCE WITH B6
- STANDING SEAM METAL ROOFING PANELS SHALL BE FULL LENGTH 600mm WIDE FACTORY FORMED INTERLOCKING PANELS SUPPLIED WITH JOINT SEALANT. PANELS ARE TO BE 0.76mm (22 GA.) CORE THICKNESS GALVANIZED TO G90 AND PREFINISHED BE SELECTED BY CONTRACT ADMINISTRATOR
- 3. ALL OTHER TRIM TO MATCH FINISH GRADE AND COLOUR OF EXISTING BUILDING CLADDING
- 4 HANDLING AND INSTALLATION OF ALL COMPONENTS TO BE DONE BY QUALIFIED AND EXPERIENCED INSTALLERS IN STRICT CONFORMANCE WITH MANUFACTURER'S DRAWINGS AND WRITTEN INSTRUCTIONS TO PROVIDE A COMPLETELY FINISHED, WEATHERTIGHT ASSEMBLY.

RELEASED FOR VERTICAL AS NOTED 06-0107-17-B2 DATE BY DATE OCT. 2006



THE CITY OF WINNIPEG PLANNING PROPERTY AND DEVELOPMENT Winnipeg \*SERVICES DEPARTMENT

RIVER PATROL BOAT STORAGE BUILDING BUILDING ELEVATIONS AND NOTES CAD FILE DRAWING NUMBER 06-107-17-B-02-r0.dw

ROJECT NUMBER 2005-081

7. INSTALL BOTTOM WALL TRACK OF PERIMETER BUILDING WALLS ON COMPRESSIBLE FOAM GASKET OR 2 BEADS OF SEALANT

> KGS Group No. 245 Expiry: April 30, 2007

CONSULTANT DRAWING NO.