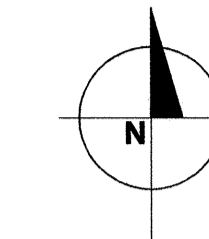


This drawing shall not be scaled. Follow given dimensions only.



SPECIFICATIONS

DIVISION 01 - GENERAL REQUIREMENTS

- Work of this contract shall be governed by the City of Winnipeg General Conditions for Construction - latest edition.

PRODUCT SPECIFICATIONS

DIVISION 2 - EXISTING CONDITIONS

02 11 00 - SITE PREPARATION

- General**
 - Provide for necessary barricades, hoarding, and dust screens. Locate area and extent of work and coordinate with the Owner.
- Existing Services and Utilities**
 - The Contractor shall verify the locations of existing utilities, pipes and other objects and adequately protect them during the construction period and if disturbed or damaged by the Contractor have them replaced or reset in their original position after construction is completed at the Contractor's cost.
 - When breaking into or connecting to existing services or utilities, carry out work at times directed by the local governing authorities with a minimum of disturbance to work and building occupants. Obtain approval for any shut downs or closures of active services or facilities. Provide 48 hours notice in advance of shut down.
 - Where unknown services are encountered immediately advise Contract Administrator.
- Cutting and Remedial Work**
 - Beginning of cutting or patching means acceptance of existing conditions.
 - Submit written request in advance of cutting or alteration which affects the structural integrity of any element of the project: Integrity of weather-exposed or moisture-resistant elements; Efficiency, maintenance, or safety of any operational element; Visual qualities of sight-exposed elements; Work of tenant or separate contractor
 - Perform cutting, fitting, and patching to complete the Work.
 - Remove and replace defective and non-conforming work.
 - Provide openings in non-structural elements of Work for penetrations of mechanical and electrical work.
 - Perform work to avoid damage to other work.
 - Prepare proper surfaces to receive patching and finishing.
 - Restore work with new products in accordance with Contract Documents. Fit work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces. Refinish surfaces to match adjacent finishes; for continuous surfaces refinish to nearest intersection; for an assembly, refinish entire unit.
 - Concrete ceilings, walls, floors, etc. shall be scanned for reinforcing steel or conduits prior to cutting or drilling. No reinforcing steel shall be cut unless authorized by Contract Administrator. Inform Contract Administrator if reinforcing steel or conduit is detected within cutting area.
 - Use diamond drill through concrete and masonry.
 - Report any accidental cutting of reinforcing steel to the Contract Administrator for instruction on remedial measures.
 - Protect existing work from damage.
 - Make good damage to existing construction.

02 13 00 SELECTIVE DEMOLITION FOR RENOVATION WORK

- General**
 - Comply with National Building Code Part 8, Construction Safety Measures at Construction and Demolition sites and Provincial requirements as well as Workplace Health and Safety regulations.
 - Examine existing conditions to determine the extent of work as well as requirements for protection of site. Refer to drawings and coordinate with work of other trades.
 - Provide necessary supports, bracing and assemblies required. Cut openings and recesses in walls, partitions, ceilings, roofs as required for installation of new work and finishes.

DIVISION 6 - WOOD AND PLASTICS

06 10 01 - ROUGH CARPENTRY

- General**
 - Work shall be conducted in accordance with but not restricted to the latest edition of the Manitoba Building Code
 - Lumber grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- Products**
 - Lumber softwood S4S moisture content 19% (s-dry) or less in accordance with following standards:
 - CSA 0141
 - NLGA Standard Grading Rules for Canadian Lumber
 - Furring, nailing strips, blocking, rough bucks:
 - Board sizes standard or better grade.
 - Dimension sizes: standard light framing or better grade.
 - Plywood, OSB and wood based composite panels to CSA 0325.
 - Douglas Fir Plywood to CSA 0121 standard construction.
 - Canadian softwood plywood to CSA 0151, standard construction.
 - Poplar plywood to CSA 0153 standard construction.
 - Nails, spikes and staples to CSA B111.
- Execution**
 - Provide blocking and backing as required for proper mounting of casework, light fixtures and framing.

06 40 00 - ARCHITECTURAL WOODWORK

- General**
 - This section relates to the fabrication of the new millwork storage unit behind desk.
 - ANSI A208-2 [02] Medium Density Fiberboard for interior applications.
 - ANSI/HPVA HP-1-04 Standard for Hardwood and Decorative Plywood.
 - Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
 - Architectural Woodwork Quality Standards Illustrated Latest Edition.
 - National Electrical Manufacturers Association (NEMA)
 - ANSI/NEMA LD-3 [05] High Pressure Decorative Laminates
 - National Hardwood Lumber Association
 - Rules for Measurement and Inspection of Hardwood and Cypress [January 2011].
 - South Coast Air Quality Management District (SCAQMD) California State (SDAQMD).
 - SCAQMD Rule 113 - [04] Architectural Coatings
 - SCAQMD Rule 1168 - [05] Adhesives and Sealants Applications.
- Related Sections**
 - Section 06 65 10 Solid Surface Fabrications.
- Submittals**
 - Submit full shop drawings for items included on the drawing package in compliance with industry standard practice and as reasonably requested by the Contract Administrator.
 - Submit a sample of each product required to fabricate the millwork inclusive of products identified in the contract documents for purpose of quality control, including but not limited to plastic laminates, solid surfacing, finish hardware.
 - Submit cut sheets for hardware associated with the millwork to be used on the project.
 - Submit specifications for materials indicating compliance with no added urea formaldehyde.
 - Provide maintenance instructions for inclusion into the Operations and Maintenance Manuals.
 - Provide warranty information for inclusion into the Operations and Maintenance Manuals.
- Coordination Meetings**
 - Arrange to meet with affected subtrades to coordinate work impacted by the installation of the millwork. This will include but not be limited to the drywall subtrade, furniture supplier, flooring Subcontractor, electrical subtrade and Contractor.

06 40 00 - ARCHITECTURAL WOODWORK CONT.

- Job Conditions**
 - Advise Contractor of requirements for maintaining heating, cooling and ventilation in installation areas as required reaching relative humidity necessary to maintain optimum moisture content.
- Products**
 - Softwood Lumber unless specified otherwise S4S in accordance with AWWMAC Custom Grade.
 - Hardwood Lumber unless specified otherwise in accordance with AWWMAC Custom Grade.
 - Douglas Fir, Poplar and Plywood shall be 7 ply veneer core, Forestry Stewardship Council Certified and urea formaldehyde free.
 - Canadian Softwood Plywood to CSA 0151 standard construction Forestry Stewardship Council Certified and urea formaldehyde free.
 - MDF (medium density fibreboard) to ANSI A208.2 premier grade to thickness indicated. MDF shall comply with the performance requirements of ANSI A208.2, and be urea formaldehyde free.
 - Laminated plastic for flatwork to NEMA LD3, Grade VGL, Type HD.
 - Laminated plastic backing sheets Grade BK not less than 0.5 mm thick of same thickness and colour as face laminate.
 - Nails and staples to CSA B111.
 - Sealants in accordance to SCAQMD Rule 1168 - Adhesives and Sealants Applications.
 - Laminated Plastic Adhesive: urea resin adhesive to CSA 0112.5; contact adhesive to CSA 0112.7; polyvinyl adhesive to CSA 0112.4; two component epoxy thermo setting adhesive - maximum VOC limit SCAQMD Rule 1168: Adhesives and Sealant Application.
 - Adhesives to be urea formaldehyde free.
- Casework**
 - Construct the casework in accordance with AWWMAC Custom Quality Grade except in relation to wood grain which shall all run in the same direction (where applicable).
 - Drawer fronts, doors, gables, ends, shelves are to be 19 mm thick mdfboard with plastic laminate finish to exposed and semi exposed surfaces with 3 mm thick pvc edgbanding to exposed and semi exposed edges.
 - Cabinet backs to be 13 mm thick mdfboard with plastic laminate finish.
 - Counter tops to be 19 mm mdfboard with plastic laminate finish and self edge.
 - Toe Kick to be 19 mm plywood. Finish to be as stipulated on the drawings.
 - Hardware to be as indicated in 08 71 05 Cabinet and Miscellaneous Hardware.
 - Where there is a discrepancy the millwork subtrade shall be responsible to contact the Contract Administrator during the bidding process for clarification. Failure to do so shall not entitle the millwork trade to additional costs during fabrication.
- Execution**
 - Work shall be carried out in accordance with AWWMAC Standard indicated.
 - Install prefinished millwork to locations indicated on drawings. Position accurately, level, plumb straight.
 - Fit hardware accurately and securely in accordance with manufacturer's written instructions.
 - Make allowance for electrical work and furniture.

06 65 10 - SOLID SURFACE FABRICATIONS

- General**
- Related Sections**
 - Section 06 40 00 Architectural Woodwork
- Submittals**
 - Submit samples for each type of solid surfacing used on the project for review and approval prior to placing order for materials.
 - Provide maintenance materials for inclusion into the Operations and Maintenance Manuals.
 - Provide warranty information for inclusion into the Operations and Maintenance Manuals.
- Quality Assurance**
 - Provide evidence that shop employs skilled workers familiar with working and machining of solid surface materials.
- Products**
 - Solid polymer components. Cast non porous filled polymer, not coated, laminated or of composite construction with through body colours meeting ANSI Z124.3 or ANSI Z124.6 having minimum physical and performance properties specified.
 - Superficial damages to a depth of 0.010 inch shall be repairable by sanding and or polishing.
 - Thickness: 25 mm
 - Edge Treatment: square.
 - Joint Adhesive: manufacturer's standard one or two part adhesive kit to create inconspicuous non porous joints.
 - Sealant: Manufacturer's standard mildew resistant FDA Compliant NSF 51 compliant, UL Listed silicone sealant in colours matching components.
- Execution**
- Fabrication**
 - Weight of product is approximately 10 - 15 PSI.
 - Shop Assembly:
 - Fabricate components to greatest extent practical to size and shapes indicated in accordance with approved shop drawings and manufacturer's printed instructions and technical bulletins.
 - Form joints between components using manufacturer's standard joint adhesives. Reinforce as required.
 - Rout and finish component edges with clean sharp returns.
 - Rout cut outs, radii and contours to templates.
 - Smooth edges.
- Installation**
 - Install components plumb, level and in accordance with approved shop drawings.
 - Install tops flat and true to within 1/8" tolerance of a flat surface over a 10' length.
 - Form field joints using manufacturer's recommended adhesive with joint widths not greater than 3 mm.
 - Exposed joint seams will not be allowed.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 21 16 - BLANKET INSULATION

- General**
- References**
 - Underwriters Laboratories of Canada (ULC): CAN/ULC-S702-1997 Standard for Mineral Fibre Insulation.
- Products**
 - Glass Fibre acoustic batt insulation to CAN/ULC S702, Type 1 pre formed unfaced glass fiber batt acoustic insulation.
- Execution**
 - Install insulation to maintain sound ratings indicated.
- 07 84 00 - FIRE STOPPING**
- General**
 - Firestopping shall comply with ULC-S115-1995, Fire Tests of Firestop Systems.
 - Firestop openings in fire separations with the appropriate product for the application.
- Products:**
 - To be determined.
- Execution:**
 - Prepare surfaces. Ensure they are clean and dry.
 - Install in accordance with manufacturer's written instructions.

DIVISION 08 - OPENINGS

08 11 00 - METAL DOORS AND FRAMES

- General**
- Related Sections**
 - 08 80 50 Glazing
- Submittals**
 - Submit shop drawings indicating each type of door and frame, material, thickness, construction, location of exposed fasteners, openings, arrangement of hardware and fire rating and finishes.
 - Submit maintenance and cleaning instructions for inclusion into the Operations and Maintenance Manuals.
 - Submit warranty information for inclusion in the Operations and Maintenance Manuals.
- Products**
- Materials**
 - Hot dipped galvanized steel sheet to ASTM A653M, ZF75, minimum base steel thickness in accordance with CSDMA Table 1 - Thickness for Component Parts.
 - Reinforcement channel to CSA G40.20/G40.21 Type 44W Coating designation to ASTM A653M.
- Door Core materials**
 - Honeycomb construction, small cell 24.5 mm maximum kraft paper, honeycomb weight 36.3 kg per ream maximum density, 16.5 kg/m3 minimum sanded to required thickness.
- Paint**
 - Field paint steel doors and frames in accordance with Section 09 90 00.
- Accessories**
 - Door Silencers; single stud rubber/neoprene.
- Frames**
 - Fabricate frames in accordance with CSDMA specifications.
 - Interior frames to be 16 gauge.
- Door Fabrication**
 - Doors swing type, flush with provision for glass and or louvre openings as indicated.
 - Form face sheets for interior doors from 16 ga. sheet steel.
- Execution**
- Fabrication**
 - Comply with manufacturer's written instructions.
- Installation**
 - Install doors and frames to CSDMA installation guideline.
 - Set plumb, square, level at correct elevation in alignment with adjacent work.
 - Anchor securely.

08 71 00- DOOR HARDWARE

- General**
- Related Sections**
 - Section 08 11 00 Metal Doors and Frames
- Submittals**
 - Hardware List. Submit contract hardware list. Indicate specified hardware including make, model, material, function, size, finish, product characteristics and performance criteria.
 - Submit cleaning and maintenance instructions for incorporation into the Operations and Maintenance Manual.
 - Provide warranty information for incorporation into the Operations and Maintenance Manual.
 - Submit maintenance materials including wrenches for door closers and lock sets.
- Products**
 - Existing hardware is Schlage Brushed Nickel.
 - Door locksets to meet ANSI BHMA A156.2, Grade 1, Lever Handles. Locks to be keyed into the building master.
 - Hinges to meet ANSI BHMA A156.1 designated by letter A.
 - Door Closers to meet ANSI BHMA A156.4 designated by letter C.
- Execution**
- Fabrication**
 - Comply with manufacturer's written instructions.
- Installation**
 - Install hardware to standard hardware locations in accordance with CSDFMA, Canadian Metric Guide for Steel Doors and Frames.
 - Provide metal door and frame fabricators with templates and complete instructions for preparation of their work to receive hardware.
 - Adjust door hardware, operators and closers for optimum, smooth, operating condition and safety.
 - Lubricate hardware and moving parts.

08 71 05 - CABINET AND MISCELLANEOUS HARDWARE

- General**
- Related Sections**
 - Section 06 40 00 Architectural Woodwork
- Submittals**
 - Submit list of cabinet hardware to be used on this project. Where specific product is specified provide. Where hardware is not specified provide recommendation to the Architect for consideration and acceptance/rejection.
 - Submit cleaning and maintenance instructions for incorporation into the Operations and Maintenance Manual.
 - Provide warranty information for incorporation into the Operations and Maintenance Manual.
- Products**
 - Hinges: concealed with integrated soft closing function, spring closing mechanism. 110 ° opening angle, 3 dimensional front adjustment. Blum 110 ° hinge with integrated Blumotion.
 - Shelf Supports:
 - KV 255 flush mounted plaster standards, bright zinc finish, slotted to receive 1/2" vertical shelf clips.
 - KV256 shelf supports bright zinc finish for use with standards.
 - Drawer Slides:
 - For 6" drawers: Accuride 3832SC.
 - Drawers greater than 6": side mounted drawer slides, full extension, zinc coated steel. 150 LB capacity rolling steel balls and ball bearing nylon rollers. Accuride 9301.
 - Filing Drawers: Full extension with over travel, ball bearing drawer slide, 150 LB dynamic load capacity, steel construction. Accuride 4034.
 - Pulls: Mockett DP3C Satin Nickel

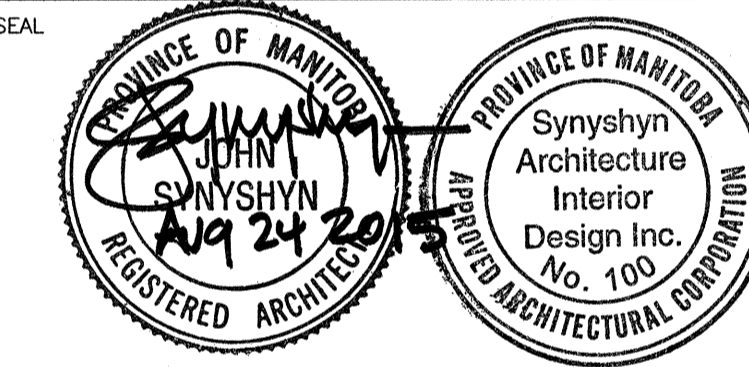
08 80 50 - GLAZING

- General**
 - To Canadian General Standards Board CAN/CGSB-12.1 [M90] Tempered or laminated safety glass.
- Submittals**
 - Submit shop drawings for review and approval by Contract Administrator.
 - Provide maintenance materials for inclusion into the Operations and Maintenance Manuals.
 - Provide warranty information for inclusion into the Operations and Maintenance Manuals.
- Products:**
 - Safety Glass: Type 1 Tempered Class B (float) category II. Clean cut with ground and polished edges where exposed. Provide necessary accessories for installation.
 - Film for patterning on glazing; Lumar 80DC PS3 NRMV Dusted Crystal.
- Execution**
 - Install in accordance with manufacturer's written instructions.
 - Clean and protect finished work.

ISSUED FOR

ISSUED FOR CONSTRUCTION AUGUST 24, 2015

SEAL



ARCHITECT / PRIME CONSULTANT

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ARCHITECTURE + INTERIOR DESIGN INC.

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ENGINEERING CONSULTANT

ENGINEERING CONSULTANT

PROJECT TITLE

**CENTRAL YARDS FIELD
SERVICES BUILDING**

**1220 PACIFIC AVENUE
OFFICE RENOVATION**

1220 PACIFIC AVE. WINNIPEG MANITOBA

DRAWING TITLE

723-2015_SPECIFICATIONS_A5-R0

DESIGNED BY JN DRAWN BY JN

ISSUE DATE 08-24-2015 REVISION No. 0

PROJECT No. 15004 DRAWING No. A-5