

GENERAL NOTES:

- THIS BUILDING REPAIR HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF PART 3 & 5 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 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.
- EACH TRADE 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.
- TIME AND 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.

PATCHING - GENERAL:

- PATCH EXISTING FLOOR, WALL, CEILING ASSEMBLIES, ETC. WHERE REQUIRED DUE TO DEMOLITION/RENOVATION WORK TO MATCH EXISTING CONSTRUCTION, MATERIALS, TEXTURES AND FINISHES UNLESS NOTED OR PERMITTED OTHERWISE.
- USE ONLY NEW MATERIALS TO BLEND WITH EXISTING EXCEPT WHERE THE USE OF SALVAGED EXISTING MATERIALS WOULD BE DESIRABLE AND IS PERMITTED BY THE CONTRACT ADMINISTRATOR.
- EXISTING ASSEMBLIES THAT ARE DAMAGED OR WEAKENED IN ANY WAY DUE TO DEMOLITION AND RENOVATION WORK, SHALL BE RESTORED TO THEIR FORMER STATE BY REINFORCING, REBUILDING, OR REPLACEMENT, TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
- PATCHED WALL AREAS SHALL BE PAINTED TO INCLUDE THE ENTIRE SURFACE PLANE TO THE NEAREST CORNERS AND WALL AND CEILING INTERFACES UNLESS PERMITTED OTHERWISE.

FIRESTOPPING - PROPRIETARY SYSTEMS:

- ALL FIRE SEPARATIONS NOTED AND DETAILED SHALL BE CONTINUOUS AND RESIST THE PASSAGE OF FIRE AND SMOKE ALONG ALL PERIMETERS AND AT ALL PENETRATIONS USING A TESTED AND APPROVED FIRESTOP SYSTEM TO PROVIDING THE SAME FIRE-RATING AS THE ASSEMBLY BEING SEALED.
- FIRESTOPPING SYSTEM(S) SHALL BE STORED, HANDLED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND REQUIREMENTS. ALL COMPONENTS OF A MULTI COMPONENT SYSTEM SHALL BE THE PRODUCTS OF A SINGLE MANUFACTURER OR SHALL HAVE BEEN TESTED AND APPROVED FOR USE TOGETHER.
- PERIMETERS AND PENETRATIONS SHALL BE SEALED WITH A PERMANENT, FLEXIBLE, PAINTABLE FIRE-RATED JOINT SEALANT, AID FIREBARRIER SILICONE SEALANT OR EQUAL. INSTALL SEALANT ON BOTH SIDES OF THE JOINT OR PENETRATION.
- PROVIDE A SEMI-RIGID MINERAL WOOL, AID FIREBARRIER MINERAL WOOL OR EQUAL AS A BACKING FILLER WHERE REQUIRED TO ACHIEVE THE FIRE-RATING OR TO PROVIDE SUPPORT FOR THE SEALANT.
- MINERAL WOOL SHALL BE SEMI-RIGID BUT BE COMPRESSIBLE ENOUGH TO ALLOW DEFLECTION OF HORIZONTAL ASSEMBLIES ABOVE (ROOF/FLOORS) WITHOUT TRANSFERRING LOAD TO THE WALLS BELOW.
- ALL FIRESTOP SYSTEMS SHALL ULC LISTED AND TESTED IN ACCORDANCE WITH CANULC-S115-2011.
- CONTRACTOR SHALL PROVIDE FIRE STOP SYSTEM SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INDICATE THE FIRE STOP SYSTEM LOCATIONS, ULC LISTINGS AND FIRE-RESISTANCE RATINGS.

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
STUDS AND PLATES (UN)	S-P F NO 2 PT
LUMBER MOISTURE CONTENT NOT TO EXCEED 19%.	
SHEATHING TO BE EXTERIOR GRADE AS SCHEDULED UNLESS NOTED.	

- 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 METAL HANGERS AT ALL FLUSH CONNECTIONS AND AS DETAILED.
- CARPENTRY SUBCONTRACTOR 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 INSTALLED.
- PROVIDE MINIMUM 48 HOURS NOTICE FOR FRAMING INSPECTION PRIOR TO CLOSING IN.

STEEL STUD FRAMING:

- GENERAL**
- THE THICKNESS SPECIFIED REFERS TO THE NOMINAL BASE STEEL THICKNESS EXCLUSIVE OF ANY COATINGS.
 - INSTALL ALL FRAMING PLUMB, LEVEL, AND SQUARE.
 - PROVIDE METAL BLOCKING/BACKING A ALL LOCATIONS WHERE OTHER TRADES REQUIRE SOLID BACKING.
- INTERIOR FRAMING**
- INTERIOR WALL STEEL STUDS, TRACK ROLL FORMED FROM ZINC COATED SHEET STEEL TO ASTM C645-14. SEE DRAWINGS FOR SECTION SIZES AND SPACINGS.
 - FRAME ALL OPENINGS IN FIRE-RATED ASSEMBLIES IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA 2010.

POLY VAPOUR BARRIER:

- VAPOUR BARRIER AROUND ENTIRE HEATED AREA OF BUILDING SHALL CONSIST OF 6 MIL POLYETHYLENE SHEET. BARRIER SHALL ALSO INCLUDE ALL OTHER TRANSITION MATERIALS AND CLOSURES AS NOTED/DETAILED.
- POLYETHYLENE TO BE 6 MIL THICK VIRGIN MATERIAL IN ACCORDANCE WITH CANCGSB-51-34-086.
- PROVIDE STRUCTURAL BACKING ALONG ALL LAPS BY FULLY CLAMPING BETWEEN WALL BOARD AND FRAMING. SEAL ALONG ROOF STRUCTURE AS DETAILED.

AIR/VAPOUR BARRIER:

- AIR/VAPOUR BARRIER AROUND ENTIRE HEATED AREA OF BUILDING AND AS DETAILED SHALL CONSIST OF SELF-ADHERING WALL MEMBRANE BARRIER SHALL ALSO INCLUDE ALL OTHER TRANSITION MATERIALS AND CLOSURES AS NOTED/DETAILED.
- AIR/VAPOUR BARRIER TO BE A 1mm THICK WALL MEMBRANE COMPRISED OF 0.9mm OF SELF-ADHESIVE RUBBERIZED ASPHALT INTEGRALLY BONDED TO 0.1mm OF CROSS-LAMINATED, HIGH-DENSITY POLYETHYLENE FILM. MEMBRANE SHALL BE INTERLEAVED WITH DISPOSABLE SILICONE-COATED RELEASE PAPER UNTIL INSTALLED. ACCEPTABLE PRODUCT: PENMA-BARRIER WALL MEMBRANE AS MANUFACTURED BY W. R. GRACE & CO. OF CANADA OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS USING MANUFACTURER'S PRIMERS, MASTICS AND FLASHINGS, ETC. SEAL TO OTHER AIR/VAPOUR BARRIER MATERIALS WITH COMPATIBLE BITUMENE MASTIC ALONG A CLAMPED INTERFACE. SEAL AROUND ALL PENETRATIONS WITH MANUFACTURER APPROVED FLASHINGS.

WALL INSULATION:

- EXTERIOR WALL INSULATION TO BE SEMI-RIGID, UNFACED, STONE WOOL-BASED INSULATION MADE OF NATURAL STONE AND RECYCLED CONTENT.
- THICKNESS OF INSULATION TO SUIT STUD SIZE, STUD SPACING AND R-VALUE AS DETAILED. THE INSULATION IS TO COMPLETELY FULL STUD SPACE.
- ACCEPTABLE PRODUCT: ROXUL COMFORT/BATT.
- INSTALL ALL INSULATION AS PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

INSULATED WALL SHEATHING:

- INSULATED WALL SHEATHING TO BE TYPE 2, RIGID, CLOSED CELL, EXTRUDED POLYSTYRENE FOAM INSULATION WITH INTEGRAL HIGH DENSITY SKIN IN ACCORDANCE WITH CANULC-S701.
- THICKNESS OF INSULATION AND R-VALUE TO BE AS DETAILED ON DRAWINGS.
- ACCEPTABLE PRODUCT: STYROFOAM BRAND CLADMATE, OR CLADMATE XL, EXTRUDED POLYSTYRENE FOAM INSULATION AS MANUFACTURED BY THE DOW CHEMICAL COMPANY OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- INSTALL ALL INSULATION AS PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

ROOF MEMBRANE (SBS MODIFIED):

- ROOF MEMBRANE TO BE 2 PLY SBS MODIFIED BITUMEN MEMBRANE. ALL COMPONENTS OF THE ROOF MEMBRANE SYSTEM TO BE THE PRODUCTS OF A SINGLE MANUFACTURER. ACCEPTABLE MANUFACTURER: SOPREMA OR APPROVED EQUAL IN ACCORDANCE WITH B7.
- CURB BASE SHEET TO BE "SOPRAPLY FLAM STICK", A COMPOSITE REINFORCEMENT AND SBS MODIFIED BITUMEN C/W A THERMOFUSIBLE PLASTIC FILM ON TOP FACE AND SELF-ADHESIVE UNDERFACE. BASE SHEET TO BE TORCH APPLIED TO EXISTING ROOF MEMBRANE.
- CURB SHEET TO BE "SOPRAPLY TRAFFIC CAP", A COMPOSITE REINFORCEMENT AND SBS MODIFIED BITUMEN, COLOURED GRANULES (TO MATCH EXISTING) ON TOP FACE AND THERMOFUSIBLE PLASTIC FILM ON BOTTOM FACE. CAP SHEET TO BE TORCH APPLIED TO BASE SHEET.
- ALL ROOF MEMBRANE COMPONENTS TO BE SHIPPED, STORED, HANDLED AND INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

GYPSUM BOARD:

- GYPSUM BOARD IN ACCORDANCE WITH CANCSA-82 Z7 (LATEST). BOARD TO BE STANDARD TYPE, REGULAR AND TYPE 'X' EXTERIOR SHEATHING GRADE, AND SOFFIT GRADE AS NOTED. ALL PRODUCTS AS MANUFACTURED BY CGC, GP GYPSUM, CERTAINTED OR APPROVED EQUAL IN ACCORDANCE WITH B7. SEE DRAWINGS FOR TYPES AND THICKNESS. SHEETS TO BE OF LARGEST PRACTICAL SIZE WITH BEVELED EDGES FOR TAPING.
- INSTALL ALL GYPSUM BOARD SQUARE, PLUMB AND LEVEL, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE NATIONAL BUILDING CODE AND GOOD STANDARD PRACTICE.
- FASTEN BOARD TO STEEL FRAMING USING S-12 DRYWALL SCREWS. USE CORROSION-RESISTANT SCREWS FOR ALL EXTERIOR OR WET AREA APPLICATIONS. ALL SCREWS MUST PROVIDE 15mm MINIMUM THREAD ENGAGEMENT IN STEEL FRAMING. SPACE FASTENERS FOR INTERIOR WORK AT 300mm O/C MAXIMUM ALONG ALL SUPPORTS FOR ALL LAYERS OR AS REQUIRED FOR TESTED ASSEMBLY. SPACE FASTENERS FOR EXTERIOR SHEATHING/SOFFIT WORK AT 200mm O/C MAXIMUM ALONG ALL SUPPORTS. INSTALL BOARD PARALLEL OR PERPENDICULAR TO FRAMING, STAGGERING ALL JOINTS BY ONE FRAMING SPACE MINIMUM.
- FIRE-RATED ASSEMBLIES SHALL BE CONTINUOUS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH NOTED GYPSUM ASSOCIATION FILE NO. REQUIREMENTS AND THE NATIONAL BUILDING CODE(LATEST).
- PROVIDE CORNER BEADS, FILL TYPE 'J' TRIM (REGULAR AND SELF-MASKING) AND OTHER ACCESSORIES AS REQUIRED AND NOTED. FINISH ALL JOINTS WITH 3 COAT SYSTEM TAPE EMBEDDED WITH JOINT COMPOUND, AND 2 COATS OF FINISHING COMPOUND, SAND SMOOTH. PROVIDE SKIM COAT OVER ENTIRE GYPSUM BOARD SURFACE AND SAND SMOOTH, READY TO RECEIVE FINISH.

PAINTING:

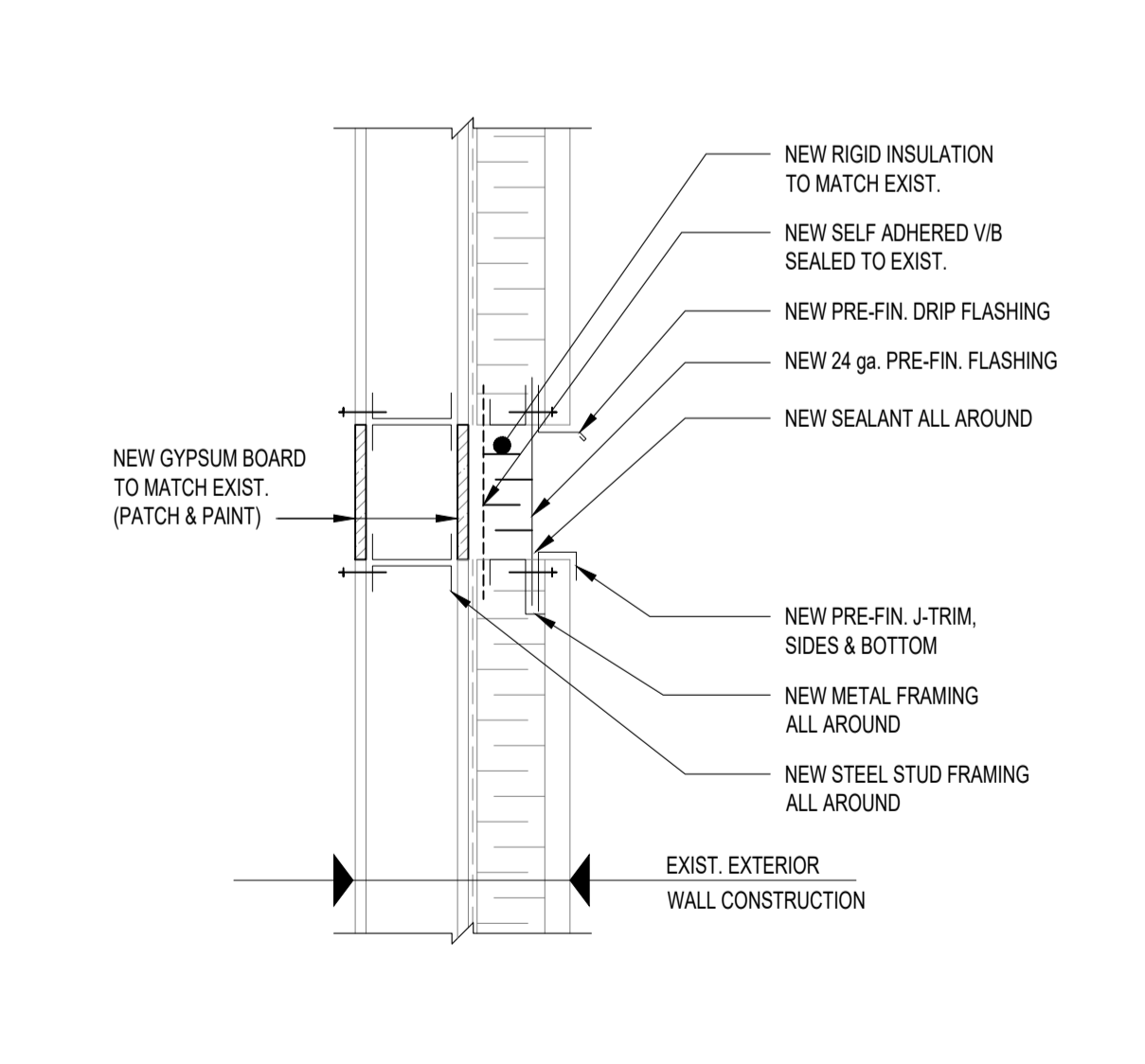
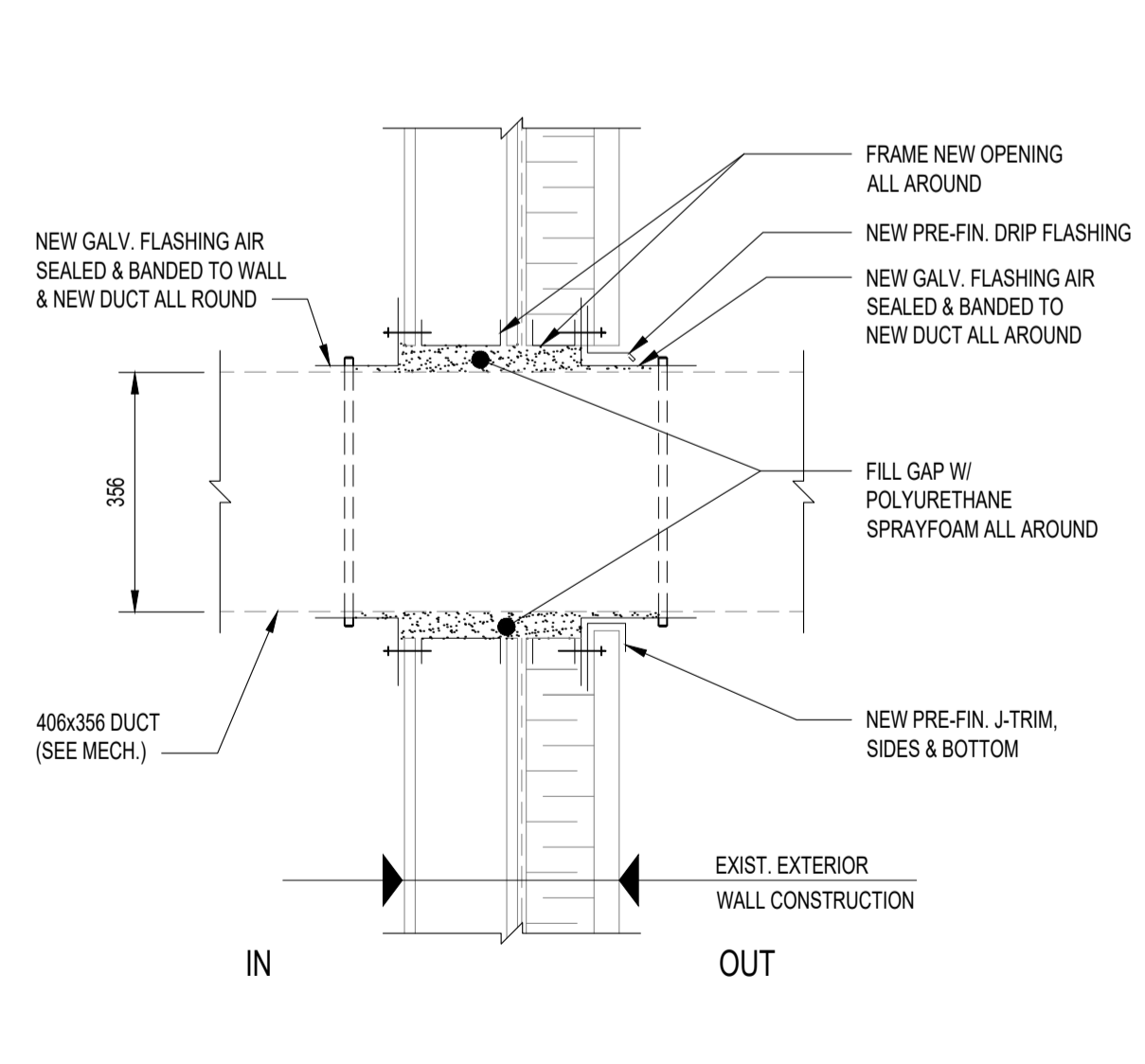
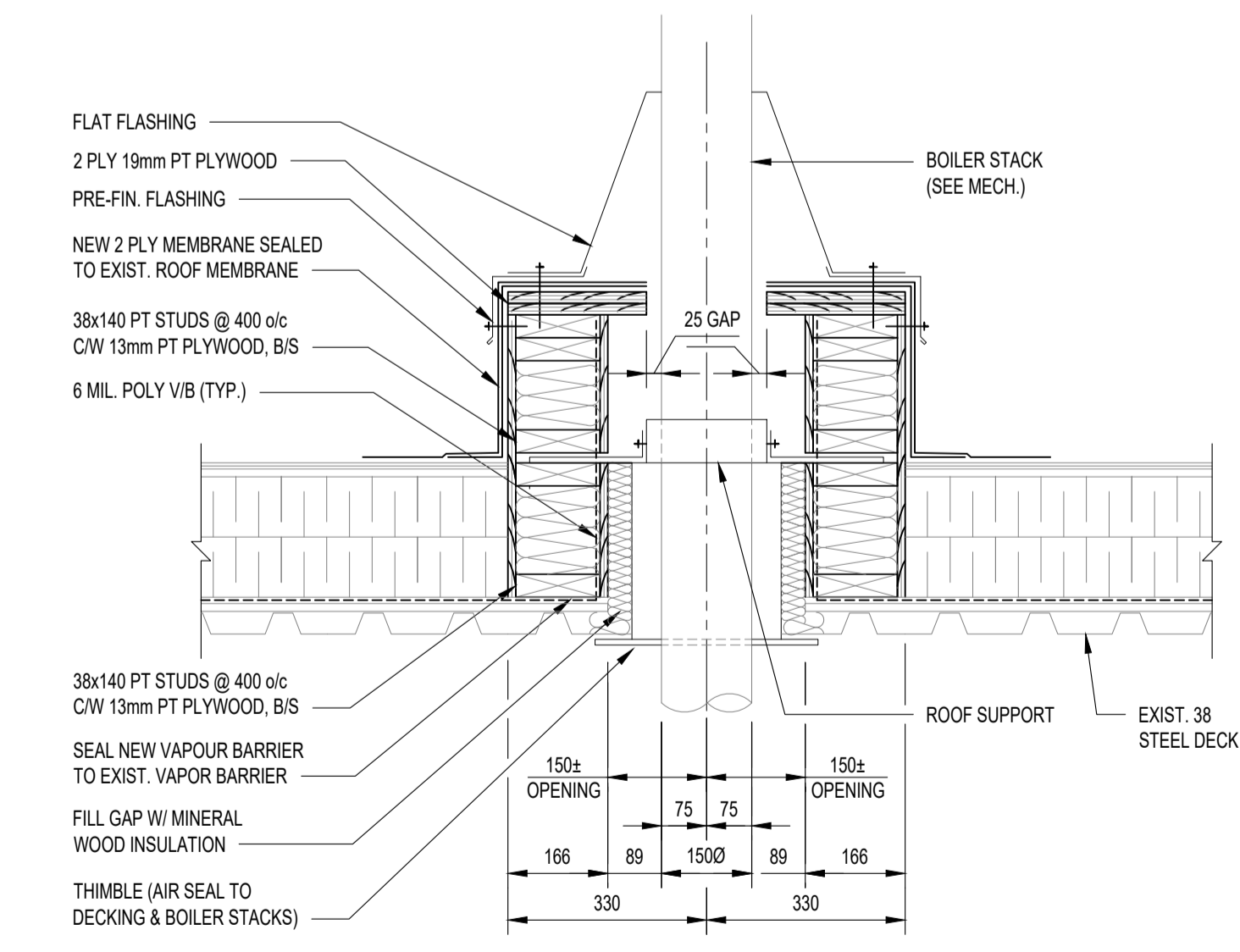
- ALL COMPONENTS FOR INDIVIDUAL PAINTING FORMULAE TO BE PRODUCTS OF A SINGLE MANUFACTURER AND SHALL BE COMPATIBLE WITH EACH OTHER. ALL MATERIALS TO BE PREMIUM GRADE. USE EXTERIOR GRADE FOR EXTERIOR SURFACES.
- STORE, HANDLE, AND APPLY ALL PAINTS AND ASSOCIATED MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DO NOT DILUTE PAINT UNLESS RECOMMENDED BY MANUFACTURER OR OTHERWISE APPROVED OR NOTED. DISPOSE OF UNUSED PAINTING MATERIALS IN A SAFE MANNER AND IN ACCORDANCE WITH ALL PERTINENT GOVERNMENTAL REGULATIONS.
- IN GENERAL, PROTECT ALL ADJACENT AREAS, SURFACES, FIXTURES, EQUIPMENT, SERVICES, ETC. FROM OVERSPRAY, OVERLAP OR ANY OTHER CONTAMINATION RESULTING FROM PAINTING OPERATIONS. CONTRACTOR SHALL MASK, COVER, PROTECT AS APPROPRIATE. REMOVE COVER PLATES, SIGNAGE, HANGINGS, ETC. AS APPROPRIATE AND REPLACE AFTER PAINT IS CURED.
- CLEAN AND PREPARE ALL SUBSTRATES AS RECOMMENDED BY MANUFACTURER AND AS SPECIFIED BELOW TO PROVIDE FULL, UNINTERRUPTED BOND WITH PAINT SYSTEM. IN GENERAL, SAND LIGHTLY BUT THOROUGHLY BETWEEN ALL COATS. REMOVE ALL DUST AND OTHER CONTAMINANTS FROM SURFACES PRIOR TO PAINT APPLICATION, TO PRODUCE SMOOTH EVEN FINISH. NEATLY CUT OR MASK AS APPROPRIATE TO LEAVE FULL, NEAT, WELL DEFINED TERMINATIONS.
- PRIME ALL SURFACES WITH APPROPRIATE PRIMER TO SUIT SUBSTRATE AND FINISH COATS UNLESS SPECIFIED.
- FIELD TOUCH UP ALL SHOP PAINTED ITEMS AS REQUIRED TO PROVIDE COMPLETE PROTECTION AND SMOOTH FINISH.
- ALL COLOURS TO BE CONFIRMED BY THE CONTRACT ADMINISTRATOR.
- ACCEPTABLE PRODUCTS: BENJAMIN MOORE, INTERNATIONAL PITTSBURGH PAINTS, PRATT & LAMBERT, DULUX OR APPROVED EQUAL IN ACCORDANCE WITH B7.

FORMULAE:

- CONCRETE (INTERIOR)
 - 1 COAT PRIMER
 - 2 COATS SEMI-GLOSS ACRYLIC LATEX
- GYPSUM BOARD
 - 1 COAT PRIMER SEALER
 - 2 COATS ACRYLIC LATEX

ACCESS DOORS:

- ACCESS DOORS TO BE INSTALLED IN NEW GYPSUM BOARD CEILING TO GAIN ACCESS TO ELECTRICAL ABOVE CEILING. NEW ACCESS DOOR LOCATIONS TO BE COORDINATED ON SITE WITH LOCATION OF EXISTING ELECTRICAL JUNCTION BOXES.
- PAINT ACCESS DOOR TO MATCH CEILING COLOUR.
- ACCESS DOORS TO BE PROVIDED WITH THE FOLLOWING:
 - DOOR: 20ga. FILLED WITH 2" FIRE RATED INSUL.
 - MOUNTING FRAME: 16ga. DRYWALL TAPING BEAD FLANGE
 - HINGE: CONCEALED
 - LATCH: UNIVERSAL SELF-LATCHING BOLT
 - FINISH: 5-STAGE IRON PHOSPHATE PREPARATION WITH PRIME COAT OF WHITE ALKYD BAKED ENAMEL
 - FIRE RATING: 2 HR MINIMUM
- ACCEPTABLE PRODUCT: FW-5050-0W FIRE RATED INSULATED ACCESS DOOR AS MANUFACTURED BY ACUDOR PRODUCTS LTD. OR APPROVED EQUAL IN ACCORDANCE WITH B7.



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 ULC 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
1	RE-ISSUED FOR CONSTRUCTION		22.04.12
0	ISSUED FOR CONSTRUCTION	PPG	22.03.18

DATE	FBV	CHECKED	DESIGNED	PG	APPROVED
20.10.29					

Winnipeg
**THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4**
 PROJECT
**REPLACEMENT OF AIR HANDLING UNIT AH-1
 CINDY KLASSEN RECREATION
 COMPLEX POOL**
 999 SARCENT AVENUE

SCALE	PROJECT No:	SHEET No:
AS SHOWN	20-0107-009	B02

ES ENGINEERS
 GEOSCIENTISTS
 MANITOBA
 Certificate of Authorization
 KGS Group
 No. 245

KGS
 GROUP