

ASSEMBLIES SCHEDULE						
N - FOUNDATION WALL ASSEMBLIES						
TYPE	DIAGRAM	DESCRIPTION	ASSEMBLY-SPECIFIC NOTES	PERFORMANCE		
A1		CAST-IN-PLACE CONCRETE WITH INSULATED PANELS & CMU FINISH (TO 800mm BELOW GROUND MIN.)	NOTE: REFER TO GEOTECHNICAL REPORT AND STRUCTURAL FOR BACKFILL REQUIREMENTS.	CATEGORY	REQUIRED	PROVIDED
		10mm PROTECTION BOARD 90mm SF300AM ARCHITECTURAL BLOCK ACB1 (ABOVE GRADE), AND CMU1 (BELOW GRADE) 10mm DRAINAGE AND PROTECTION BOARD 102mm INS-5 INSULATION FWP-1 FOUNDATION WATERPROOFING VAR CAST-IN-PLACE CONCRETE - SEE STRUCT.	NOTE: REFER TO GEOTECHNICAL AND SOILS REPORT FOR SLAB-ON-GRADE DESIGN NOTES, GROUNDWATER CONTROL (TEMPORARY AND PERMANENT) IN ADDITION TO PERIMETER DRAINAGE AND ENGINEERED FILL / BACKFILL REQUIREMENTS.	R-VALUE	R-20 (C)	PER ENER. MODEL
N1A		CAST-IN-PLACE CONCRETE WITH INSULATED PANELS @ ELEVATOR PIT	NOTE: REFER TO GEOTECHNICAL REPORT AND STRUCTURAL FOR BACKFILL REQUIREMENTS.	CATEGORY	REQUIRED	PROVIDED
		102mm INS-5 INSULATION 10mm DRAINAGE AND PROTECTION BOARD 10mm FOUNDATION WATERPROOFING VAR CAST-IN-PLACE CONCRETE - SEE STRUCT.	NOTE: REFER TO GEOTECHNICAL AND SOILS REPORT FOR SLAB-ON-GRADE DESIGN NOTES, GROUNDWATER CONTROL (TEMPORARY AND PERMANENT) IN ADDITION TO PERIMETER DRAINAGE AND ENGINEERED FILL / BACKFILL REQUIREMENTS.	R-VALUE	R-20 (C)	PER ENER. MODEL
N2		CAST-IN-PLACE CONCRETE	NOTE: REFER TO GEOTECHNICAL REPORT AND STRUCTURAL FOR BACKFILL REQUIREMENTS.	CATEGORY	REQUIRED	PROVIDED
		VAR CAST-IN-PLACE CONCRETE - SEE STRUCT.	NOTE: REFER TO GEOTECHNICAL AND SOILS REPORT FOR SLAB-ON-GRADE DESIGN NOTES, GROUNDWATER CONTROL (TEMPORARY AND PERMANENT) IN ADDITION TO PERIMETER DRAINAGE AND ENGINEERED FILL / BACKFILL REQUIREMENTS.	R-VALUE	-	-
S - SLAB-ON-GRADE ASSEMBLIES						
TYPE	DIAGRAM	DESCRIPTION	ASSEMBLY-SPECIFIC NOTES	PERFORMANCE		
S1		CAST-IN-PLACE SLAB-ON-GRADE WITH INSULATION UNDERLAYMENT	NOTE: REFER TO GEOTECHNICAL AND SOILS REPORT FOR SLAB-ON-GRADE DESIGN NOTES, GROUNDWATER CONTROL (TEMPORARY AND PERMANENT) IN ADDITION TO PERIMETER DRAINAGE AND ENGINEERED FILL REQUIREMENTS.	CATEGORY	REQUIRED	PROVIDED
		VAR FLOOR FINISH AND UNDERLAY REFER TO FINISH PLANS VAR CAST-IN-PLACE CONCRETE SLAB-ON-GRADE - SEE STRUCT VRB-3 UNDERSLAP VAPOUR RETARDER ALL JOINTS LAPPED AND TAPED 102mm INS-5 RIGID INSULATION, 2 LAYERS, JOINTS STAGGERED 102mm COMPACTED GRANULAR BASE REFER TO GEOTECHNICAL	NOTE: VRB-3 TO HAVE AIR BARRIER PROPERTIES. SHALL CONFORM WITH CANULC-S742 (E.G. 6 MIL POLY CAPOC88 51.34 MI). THE AIR BARRIER SHOULD EXTEND THE FULL LENGTH OF THE FLOOR WITH ALL EDGES AND PENETRATIONS SEALED. MAINTAIN THE INTEGRITY OF THE AIR BARRIER SYSTEM.	R-VALUE	R-10 (C)	PER ENER. MODEL
S2		CAST-IN-PLACE SLAB-ON-GRADE @ ELEVATOR PIT	NOTE: GRANULAR BASE NOT LESS THAN 200 MM (8) OF COARSE CLEAN GRANULAR MATERIAL MUST BE PLACED BENEATH FLOORS ON THE GROUND. ALL JOINTS MUST BE SEALED WITH COMPATIBLE MATERIALS SUCH AS TAPE OR FLEXIBLE SEALANT. THE CONTINUITY OF THE AIR BARRIER SYSTEM MUST EXTEND THROUGHOUT THE SLAB-ON-GRADE.	CATEGORY	REQUIRED	PROVIDED
		VAR CAST-IN-PLACE CONCRETE SLAB-ON-GRADE, 2% SLOPE TO DRAIN - SEE STRUCT. FWP-1 FOUNDATION WATERPROOFING 102mm INS-5 RIGID INSULATION, 2 LAYERS, JOINTS STAGGERED 102mm COMPACTED GRANULAR BASE REFER TO GEOTECHNICAL	NOTE: GRANULAR MATERIAL AT RADON PIPE CENTER: THE GRANULAR MATERIAL AT THE CENTER OF THE FLOOR (END OF PIPE) SHALL BE: 0 NOT LESS THAN 200 MM (8) DEEP, AND 0 NOT LESS THAN 300 MM (12) CENTERED ON THE END OF THE PIPE.	R-VALUE	R-10 (C)	PER ENER. MODEL
W - EXTERIOR WALL ASSEMBLIES						
TYPE	DIAGRAM	DESCRIPTION	ASSEMBLY-SPECIFIC NOTES	PERFORMANCE		
W1		BRICK MASONRY VENEER CLADDING ON WOOD STUDS	NOTE: SPACING INDICATED FOR STUD FRAMING IS TYPICAL ONLY. REFER TO STRUCTURAL FOR ALL CONDITIONS, INCLUDING EXTERIOR OPENINGS.	CATEGORY	REQUIRED	PROVIDED
		92mm CLAY BRICK VENEER, BRKX REFER TO ELEVATIONS FOR TYPE 45mm VENTED CAVITY 25mm @ RECESSED BRICK AREAS) THERMALLY BROKEN BRICK TIES 102mm INS-1 INSULATION 13mm VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 140mm WOOD STUD FRAMING, REFER TO STRUCT 140mm STUD INFILL INS-2 INSULATION VRB-2 SHEET VAPOUR RETARDED 13mm GB-1 VAR FINISH, SEE FINISH PLAN	NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR OPENING LINTEL SUPPORT DETAILS.	R-VALUE	21 + 24 45 TOTAL	PER ENER. MODEL
W1a		BRICK MASONRY VENEER CLADDING ON WOOD STUDS (FIRE RATED)	NOTE: SPACING INDICATED FOR STUD FRAMING IS TYPICAL ONLY. REFER TO STRUCTURAL FOR ALL CONDITIONS, INCLUDING EXTERIOR OPENINGS.	CATEGORY	REQUIRED	PROVIDED
		92mm CLAY BRICK VENEER, BRKX REFER TO ELEVATIONS FOR TYPE 45mm VENTED CAVITY 25mm @ RECESSED BRICK AREAS) THERMALLY BROKEN BRICK TIES 102mm INS-1 INSULATION 13mm VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 140mm WOOD STUD FRAMING, REFER TO STRUCT 140mm STUD INFILL INS-2 INSULATION VRB-2 SHEET VAPOUR RETARDED 13mm GB-2 VAR FINISH, SEE FINISH PLAN	NOTE: TYPICAL HORIZONTAL AND VERTICAL MORTAR JOINT SPACING TO BE 10mm UNLESS NOTED OTHERWISE.	R-VALUE	21 + 24 45 TOTAL	PER ENER. MODEL
W2		SHED WALL	NOTE: SPACING INDICATED FOR STUD FRAMING IS TYPICAL ONLY. REFER TO STRUCTURAL FOR ALL CONDITIONS, INCLUDING EXTERIOR OPENINGS.	CATEGORY	REQUIRED	PROVIDED
		52mm PREFINISHED STANDING SEAM METAL SIDING 19mm VERTICAL W/ CONCEALED FASTENERS 19mm GALV LIGHT-GAUGE METAL FURRING CHANNELS 13mm NON-VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 140mm WOOD STUDS - SEE STRUCT FOR SPACING 13mm IP-1, PAINTED	NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR OPENING LINTEL SUPPORT DETAILS.	R-VALUE	21 + 24 45 TOTAL	PER ENER. MODEL
W3		PREFINISHED METAL SIDING CLADDING ON WOOD STUDS @ UNINSULATED ATTIC	NOTE: SPACING INDICATED FOR STUD FRAMING IS TYPICAL ONLY. REFER TO STRUCTURAL FOR ALL CONDITIONS, INCLUDING EXTERIOR OPENINGS.	CATEGORY	REQUIRED	PROVIDED
		52mm PREFINISHED ALUMINUM STANDING SEAM SIDING 19mm VERTICAL W/ CONCEALED FASTENERS 19mm GALV LIGHT-GAUGE METAL FURRING CHANNELS 13mm NON-VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 140mm WOOD TRUSS/STUD FRAMING, REFER TO STRUCT	NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR OPENING LINTEL SUPPORT DETAILS.	R-VALUE	21 + 24 45 TOTAL	PER ENER. MODEL

W4		WALL @ ELEVATOR CORE 102mm INS-1 INSULATION 102mm THERMALLY BROKEN 2 GIRTS RTO HOLD INSUL VRB-1 NON-VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 140mm WOOD STUD FRAMING @ 400mm O/C, REFER TO STRUCT 140mm STUD IN-FILL INS-2 INSULATION 100mm AIR SPACE, REFER TO STRUCTURAL 190mm CMU/ CONCRETE MASONRY WALL, REFER TO STRUCTURAL	NOTE: SPACING INDICATED FOR STUD FRAMING IS TYPICAL ONLY. REFER TO STRUCTURAL FOR ALL CONDITIONS, INCLUDING EXTERIOR OPENINGS. NOTE: REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR OPENING LINTEL SUPPORT DETAILS.	CATEGORY REQUIRED PROVIDED R-VALUE21 + 24 45 TOTALPER ENER. MODEL RSI-VALUE3.75+4.23 7.98 TOTALPER ENER. MODEL FRR1 HR1 HR PER SB-2 FRR BASIS OF DESIGN: TABLE SB-2 2.1.1
R - ROOF ASSEMBLIES				
TYPE	DIAGRAM	DESCRIPTION	ASSEMBLY-SPECIFIC NOTES	PERFORMANCE
R1		PREFINISHED METAL ROOF ON WOOD TRUSS ABOVE UNINSULATED ATTIC 52mm PREFINISHED ALUMINUM STANDING SEAM ROOFING PANELS MTL-3, W/ CONCEALED FASTENERS HTRU-1 HIGH TEMPERATURE ROOF UNDERLAYMENT IP-1 OR OSB T&G SHEATHING, REFER TO STRUCTURAL 517mm INS-8 BLOWN IN CELLULOSE INSULATION WITHIN & ABOVE WOOD FRAMING VRB-4 SMART VAPOUR-RETARDER 12mm RESILIENT CHANNELS, GALVANIZED STEEL, 24-GAUGE @ 300mm O/C 16mm GB-2 16mm GB-2 MAINTENANCE WALKWAYS GUARD TOP, MIDDLE RAILS, TOE KICK AND POSTS, DESIGNED PER ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT, O. REG. 443/09: CONSTRUCTION PROJECTS SECTION 26.3(7), TYPICAL. ATTIC MAINTENANCE WALKWAYS 19mm IP-1 SUBFLOOR 140mm WOOD JOISTS 140mm WOOD STAND OFFS OF ROOF TRUSSESS BOTTOM CORDS TRUSS ENGINEER TO DESIGN ATTIC MAINTENANCE WALKWAY AS PART OF ROOF TRUSS DESIGN. INCLUDE FOR REINFORCEMENT AT ATTIC ACCES HATCH AND ELEVATOR OVERRUN, AS REQUIRED. ACCOUNT FOR NECESSARY HEIGHT CLEARANCE 1MM 2100mm AT FULL LENGHT OF ATTIC MAINTENANCE WALKWAY.	NOTE: REFER TO CEILING ASSEMBLIES FOR COMPOSITION OF SUSPENDED CEILINGS/ BULKHEADS NOTE: REFER TO REFLECTED CEILING PLAN FOR LOCATIONS OF SUSPENDED CEILINGS/ BULKHEADS	CATEGORY REQUIRED PROVIDED R-VALUE60PER ENER. MODEL RSI-VALUE-PER ENER. MODEL FRR1 HR1 HR STC50- FRR BASIS OF DESIGN: SB-2 TABLE D-2.3.12 CEILING MEMBRANE RATING
R2		ROOF AT ELEVATOR CORE 102mm INS-1 INSULATION VRB-1 NON-VAPOUR PERMEABLE AIR BARRIER 13mm OSB PER STRUCT SHEAR WALLS SCHEDULES REFER TO STRUCTURAL, IP-1 OR OSB OTHERWISE 184mm WOOD STUD FRAMING @ 400mm O/C, REFER TO STRUCT 184mm JOIST IN-FILL INS-2 INSULATION 32mm 2 LAYERS GB-2	NOTE: REFER TO CEILING ASSEMBLIES FOR COMPOSITION OF SUSPENDED CEILINGS/ BULKHEADS NOTE: REFER TO REFLECTED CEILING PLAN FOR LOCATIONS OF SUSPENDED CEILINGS/ BULKHEADS	CATEGORY REQUIRED PROVIDED R-VALUE60PER ENER. MODEL RSI-VALUE-PER ENER. MODEL FRR1 HR1 HR PER SB-2 STC50- FRR BASIS OF DESIGN: SB-2 TABLE D-2.3.12 CEILING MEMBRANE RATING
R9		PREFINISHED METAL ROOF ON WOOD TRUSS - SHED 52mm PREFINISHED ALUMINUM STANDING SEAM ROOFING PANELS MTL-3, W/ CONCEALED FASTENERS HTRU-1 HIGH TEMPERATURE ROOF UNDERLAYMENT 19mm PLYWOOD T&G SHEATHING - SEE STRUCT 284mm WOOD JOISTS @ 400mm O/C, REFER TO STRUCTURAL	NOTE: REFER TO CEILING ASSEMBLIES FOR COMPOSITION OF SUSPENDED CEILINGS/ BULKHEADS NOTE: REFER TO REFLECTED CEILING PLAN FOR LOCATIONS OF SUSPENDED CEILINGS/ BULKHEADS	CATEGORY REQUIRED PROVIDED R-VALUE- - RSI-VALUE- - FRR- - STC- -
F - FLOOR ASSEMBLIES				
TYPE	DIAGRAM	DESCRIPTION	ASSEMBLY-SPECIFIC NOTES	PERFORMANCE
F1		WOOD JOIST W/ GWB CEILING 38mm FLOOR FINISH - SEE FINISH PLANS GYPSUM CONCRETE TOPPING ACoustiGUARD ISO-SEP PM FLOOR UNDERLAYMENT 19mm IP-1 OR OSB T&G SHEATHING, REFER TO STRUCTURAL 302mm ENGINEERED WOOD JOIST OR I-JOIST @ 400 O/C, REFER TO STRUCTURAL 89mm INS-3 BATT ACOUSTIC INSULATION FRICTION FIT BETWEEN BOTTOM FLANGES 12mm RESILIENT CHANNELS, GALVANIZED STEEL, 25-GAUGE @ 400mm O/C SCREWED TO WD JOISTS - SEE STRUCT 32mm 2 LAYERS GB-2 SCREWED TO RESILIENT CHANNELS (SCREWS TO WOOD JOISTS ARE NOT ACCEPTABLE)	NOTE: REFER TO CEILING ASSEMBLIES FOR COMPOSITION OF SUSPENDED CEILINGS/ BULKHEADS NOTE: REFER TO REFLECTED CEILING PLAN FOR LOCATIONS OF SUSPENDED CEILINGS/ BULKHEADS	CATEGORY REQUIRED PROVIDED FRR1 HR1 HR STC5065 IIC5558 FRR BASIS OF DESIGN: SB-2 TABLE D-2.3.12 CEILING MEMBRANE RATING
F2		WOOD JOIST W/ GWB CEILING (CORRIDOR) 38mm FLOOR FINISH - SEE FINISH PLANS GYPSUM CONCRETE TOPPING ACoustiGUARD ISO-SEP PM FLOOR UNDERLAYMENT 19mm IP-1 OR OSB T&G SHEATHING, REFER TO STRUCTURAL 184mm WOOD JOIST @ 400 O/C - SEE STRUCT 89mm INS-3 BATT ACOUSTIC INSULATION FRICTION FIT BETWEEN BOTTOM FLANGES 12mm RESILIENT CHANNELS, GALVANIZED STEEL, 24-GAUGE @ 400mm O/C SCREWED TO WD JOISTS - SEE STRUCT 32mm 2 LAYERS GB-2 SCREWED TO RESILIENT CHANNELS (SCREWS TO WOOD JOISTS ARE NOT ACCEPTABLE)	NOTE: REFER TO CEILING ASSEMBLIES FOR COMPOSITION OF SUSPENDED CEILINGS/ BULKHEADS NOTE: REFER TO REFLECTED CEILING PLAN FOR LOCATIONS OF SUSPENDED CEILINGS/ BULKHEADS	CATEGORY REQUIRED PROVIDED FRR1 HR1 HR STCN/A- FRR BASIS OF DESIGN: SB-2 TABLE D-2.3.12 CEILING MEMBRANE RATING
SF - SOFFIT ASSEMBLIES				
SF1		EXTERIOR SOFFIT VAR PRE-ENG WOOD TRUSS BOTTOM CHORD, REFER TO STRUCTURAL 19mm PLYWOOD T&G SHEATHING - SEE STRUCT HTRU-1 HIGH TEMPERATURE ROOF UNDERLAYMENT 52mm PREFINISHED ALUMINUM STANDING SEAM ROOFING PANELS MTL-2MTL-2a, W/ CONCEALED FASTENERS		CATEGORY REQUIRED PROVIDED R-VALUEN/A0 RSI-VALUEN/A0

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