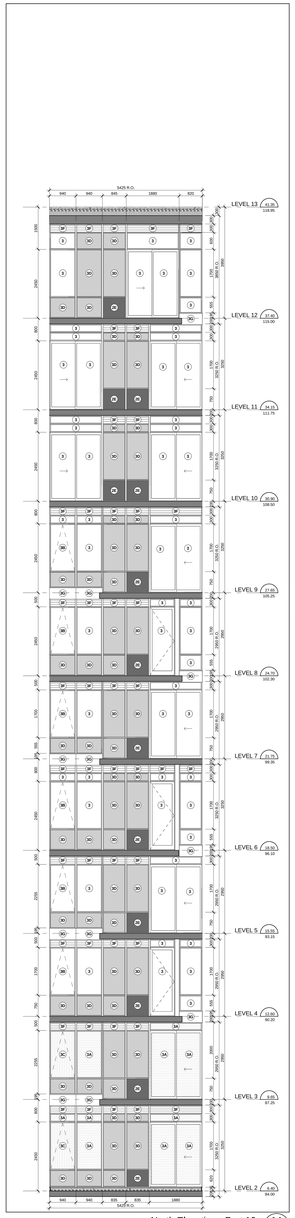
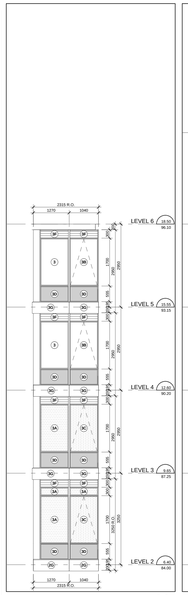
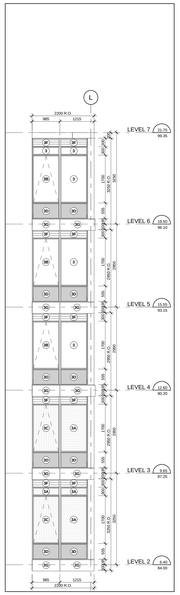


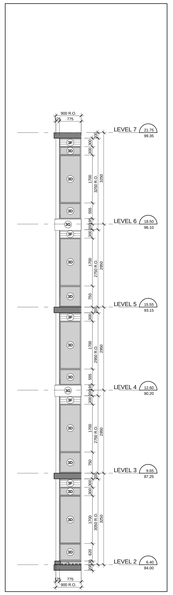
North Elevation - Part 10 14 A4-07
Scale: 1 : 50



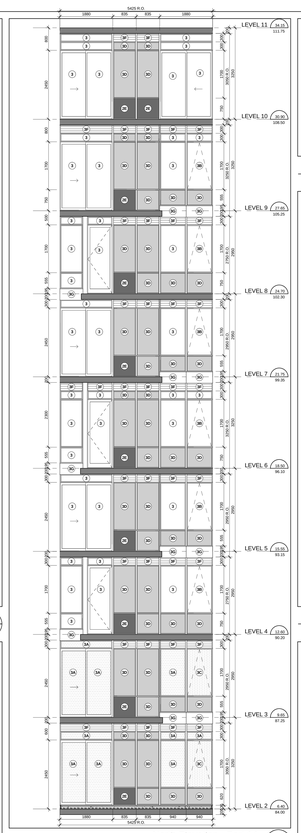
North Elevation - Part 17 21 A4-07
Scale: 1 : 50



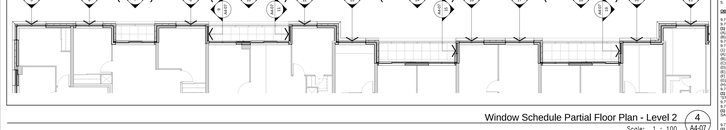
North Elevation - Part 16 20 A4-07
Scale: 1 : 50



North Elevation - Part 15 19 A4-07
Scale: 1 : 50



North Elevation - Part 14 18 A4-07
Scale: 1 : 50



Window Schedule Partial Floor Plan - Level 2 4 A4-07
Scale: 1 : 100

TYPICAL WINDOW SCHEDULE NOTES:

1. ADD 10MM CAULKING ALLOWANCE ON ONE OR BOTH SIDES OF WINDOW OPENING.
2. ALL WINDOWS TO BE INSTALLED AS PER MANUFACTURER'S DETAILS.
3. CO-ORDINATE CLOSER LOCATIONS WITH MECHANICAL DRAWINGS.
4. CO-ORDINATE LOCATIONS OF ELECTRICAL OUTLETS WITH ELECTRICAL DRAWINGS.
5. CO-ORDINATE BALCONY/TERRACE ELECTRICAL OUTLETS WITH ELECTRICAL DRAWINGS.

OBC REQUIREMENTS

9.7.2. WINDOW STANDARDS
9.7.2.1. WINDOW STANDARDS
(1) WINDOWS SHALL CONFORM TO:
(a) CAN/CSA-A440-00 "WINDOWS", OR
(b) THE CANADA-WIDE L "USER SELECTION GUIDE TO CSA STANDARD CAN/CSA-A440-00 WINDOWS".
9.7.3. GLASS
9.7.3.1. GLASS STANDARDS
(1) GLASS SHALL CONFORM TO:
(a) CAN/CGSB-12.1-M "FLAT, ANNEALED, (1) OR LAMINATED SAFETY GLASS";
(b) CAN/CGSB-12.2-M, "FLAT, CLEAR SHEET GLASS";
(c) CAN/CGSB-12.3-M, "FLAT, CLEAR FLOAT GLASS";
(d) CAN/CGSB-12.4-M, "TEMPERED FLAT GLASS";
(e) CAN/CGSB-12.8, "INSULATING GLASS UNITS";
(f) CAN/CGSB-12.9-M, "SPANDREL GLASS, HEAT STRENGTHENED";
(g) CAN/CGSB-12.1-M, "WIRED SAFETY GLASS", OR
(h) ASTM E2190, "INSULATING GLASS UNIT PERFORMANCE AND EVALUATION."
9.7.3.2. SLOPED GLAZING AND SKYLIGHTS
(1) GLASS IN WINDOWS, SLOPED GLAZING AND SKYLIGHTS SHALL BE DESIGNED IN CONFORMANCE WITH CAN/CGSB-12.20-M, "STRUCTURAL DESIGN OF GLASS FOR BUILDINGS".
9.7.4. SEALING COMPOUND
9.7.4.1. SEALING COMPOUND
(1) THE SEALING COMPOUND USED TO SEAL THE GLASS COMPONENT OF A FACTORY-SEALED DOUBLE-GLAZED UNIT TO THE SASH COMPONENT SHALL BE COMPATIBLE WITH THE MATERIAL USED TO EDGE SEAL THE GLASS COMPONENT.

9.7.5.4. WINDOWS ABOVE THE SECOND STOREY
(1) EXCEPT AS PROVIDED IN SENTENCE (2), WINDOWS WITH SILLS LESS THAN 1 000 MM FROM THE FLOOR AND ARE LOCATED ABOVE THE SECOND STOREY IN BUILDINGS OF RESIDENTIAL OCCUPANCY SHALL BE
(a) PROTECTED BY A GUARD CONFORMING TO SENTENCE 9.8.8.3., OR
(b) NON-OPENABLE AND DESIGNED TO WITHSTAND THE LATERAL DESIGN LOADS FOR GUARDS AS PROVIDED IN ARTICLES 4.1.5.10. AND 4.1.5.15.
9.7.6. RESISTANCE TO FORCED ENTRY
9.7.6.1. FORCED ENTRY THROUGH WINDOWS
(1) EXCEPT AS PERMITTED IN SENTENCE (2), THE SASH OF WHICH IS LOCATED WITHIN 2 000 MM OF ADJACENT GROUND LEVEL, SHALL
(a) CONFORM TO THE REQUIREMENTS FOR RESISTANCE TO FORCED ENTRY AS DESCRIBED IN CLAUSE 10.3.5 OF CAN/CSA-A440.1E, "WINDOWS";

9.8.8.1. REQUIRED GUARDS
(1) EXCEPT AS PROVIDED IN SENTENCES (2) AND (3), EVERY SURFACE TO WHICH ACCESS IS PROVIDED FOR OTHER THAN MAINTENANCE PURPOSES, INCLUDING BUT NOT LIMITED TO FLIGHTS OF STEPS AND RAMPS, EXTERIOR LANDINGS, PORCHES, BALCONIES, GALLERIES AND RAISED WALKWAYS, SHALL BE PROTECTED BY A GUARD IF IT IS LOCATED ADJACENT TO THE SURFACE AND
(a) THERE IS A DIFFERENCE IN ELEVATION OF MORE THAN 600 MM BETWEEN THE ADJACENT SURFACE AND THE ADJACENT SURFACE, OR
(b) THE ADJACENT SURFACE WITHIN 1.2 M FROM THE WALKING SURFACE HAS A SLOPE OF MORE THAN 1 IN 2.
(2) GUARDS ARE NOT REQUIRED
(a) AT LOADING DOCKS,
(b) AT FLOOR PITS IN REPAIR GARAGES, OR
(c) AT OTHER SIMILAR AREAS USED FOR MAINTENANCE PURPOSES ONLY.
(3) WHEN AN INTERIOR STAIR HAS MORE THAN 2 RISERS OR AN INTERIOR RAMP RISES MORE THAN 400 MM, THE SIDES OF THE STAIR OR RAMP AND THE LANDING OR FLOOR LEVEL AROUND THE STAIRWELL OR RAMP SHALL BE PROTECTED BY A GUARD ON EACH SIDE THAT IS NOT A WALL.

9.8.8.3. HEIGHT OF GUARDS
(1) EXCEPT AS PROVIDED IN SENTENCES (2) TO (4), ALL GUARDS SHALL BE NOT LESS THAN 1 070 MM HIGH.
(2) EXCEPT AS PROVIDED IN SENTENCE (3), GUARDS SHALL BE NOT LESS THAN
(a) EXTERIOR GUARDS SERVING NOT MORE THAN ONE DWELLING UNIT SHALL BE NOT LESS THAN 900 MM HIGH WHERE THE WALKING SURFACE SERVED BY THE GUARD IS NOT MORE THAN 1 800 MM ABOVE THE FINISHED GROUND LEVEL,
(b) INTERIOR GUARDS SERVING NOT MORE THAN ONE DWELLING UNIT SHALL BE NOT LESS THAN 900 MM HIGH,
(c) THE HEIGHT OF GUARDS FOR FLIGHTS OF STEPS SHALL BE MEASURED VERTICALLY FROM A LINE DRAWN THROUGH THE LEADING EDGE OF THE TREADS SERVED BY THE GUARD.
9.8.8.4. GLASS GUARDS
(1) GLASS IN GUARDS SHALL BE,
(a) SAFETY GLASS OF THE LAMINATED OR TEMPERED TYPE CONFORMING TO CAN/CGSB-12.1-M, "TEMPERED OR LAMINATED SAFETY GLASS",
OR
(b) WIRED GLASS CONFORMING TO CAN/CGSB-12.11-M, "WIRED SAFETY GLASS".

9.9.3.5. SEPARATION OF HEATED SPACES
(1) EXCEPT AS PROVIDED IN SENTENCES (2) AND (3), WINDOWS AND ALL GLAZING THAT SEPARATES HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR SHALL CONFORM TO ARTICLES 12.3.2.6. AND 12.3.2.8.
(2) EXCEPT AS PROVIDED IN SENTENCE (3), WINDOWS AND ALL GLAZING, INCLUDING GLAZING FOR DOORS AND SKYLIGHTS, THAT SEPARATES HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR SHALL NOT EXCEED 20 PER CENT OF THE FLOOR AREA OF THE STOREY SERVED BY THE GLAZED AREAS AND SHALL NOT EXCEED 40 PER CENT OF THE TOTAL AREA OF THE WALLS OF THAT STOREY THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR, WHERE THE AREA OF GLAZING IS THE GROSS AREA OF THE OPAQUE PORTION OF THE WALL PLUS CLAZED AD IT'S PROJECTED AREA ON A VERTICAL PLANE.
(3) WHERE THE THERMAL RESISTANCE OF GLAZING IS DIFFERENT FROM THAT REQUIRED IN SENTENCE (2) AND ARTICLE 12.3.1.0., THE AREA OF GLAZING PERMITTED BY SENTENCE (2) SHALL BE ADJUSTED BY MULTIPLYING IT BY THE RATIO OF THE RESULTANT THERMAL RESISTANCE DIVIDED BY THE ACTUAL THERMAL RESISTANCE OF THE GLAZING.
(4) SENTENCE (2) SHALL NOT APPLY WHERE THE BUILDING IS DESIGNED TO BE COOLED UNLESS THE GLAZING DESCRIBED IN SENTENCE (2) IS SHADED IN THE SUMMER WITH EXTERIOR DEVICES, OR THE GLAZING HAS A SHADING COEFFICIENT OF MORE THAN 0.70 THAT IS UNSHADED IN THE WINTER AND FACES A DIRECTION WITHIN 45° OF DUE SOUTH MAY BE ASSUMED TO BE 50 PERCENT SHADED IN THE SUMMER, THE SHADING SHALL BE CALCULATED USING THE MON SUN ANGLES OF JUNE 21.
(5) SENTENCE (4) SHALL NOT APPLY WHERE THE BUILDING IS DESIGNED TO BE COOLED UNLESS THE GLAZING DESCRIBED IN SENTENCE (4) IS SHADED IN THE SUMMER WITH EXTERIOR DEVICES, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED WITH A SYSTEM THAT IS CAPABLE OF DISTRIBUTING THE SOLAR HEAT GAIN FROM SUCH GLAZED AREAS THROUGHOUT THE BUILDING, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED IN THE WINTER, THE SHADING SHALL BE CALCULATED USING THE MON SUN ANGLES OF DEC 21.
(6) SENTENCE (4) SHALL NOT APPLY WHERE THE BUILDING IS DESIGNED TO BE COOLED UNLESS THE GLAZING DESCRIBED IN SENTENCE (4) IS SHADED IN THE SUMMER WITH EXTERIOR DEVICES, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED WITH A SYSTEM THAT IS CAPABLE OF DISTRIBUTING THE SOLAR HEAT GAIN FROM SUCH GLAZED AREAS THROUGHOUT THE BUILDING, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED IN THE WINTER, THE SHADING SHALL BE CALCULATED USING THE MON SUN ANGLES OF JUNE 21.

12.3.3.13. AIR IMPLANTATION
(1) EXCEPT AS PROVIDED IN SENTENCE (2), WINDOWS AND ALL GLAZING THAT SEPARATES HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR SHALL BE DESIGNED TO LIMIT THE RATE OF AIR INFILTRATION TO NOT MORE THAN 0.20 L/S FOR EACH SQUARE METRE OF WINDOW AREA WHEN TESTED IN ACCORDANCE WITH SENTENCE (3).
(2) EXCEPT AS PROVIDED IN SENTENCE (3), SLIDING GLASS DOORS, INCLUDING GLAZING FOR DOORS AND SKYLIGHTS, THAT SEPARATES HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR SHALL NOT EXCEED 10 PER CENT OF THE FLOOR AREA OF THE STOREY SERVED BY THE GLAZED AREAS AND SHALL NOT EXCEED 40 PER CENT OF THE TOTAL AREA OF THE WALLS OF THAT STOREY THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE OR THE EXTERIOR, WHERE THE AREA OF GLAZING IS THE GROSS AREA OF THE OPAQUE PORTION OF THE WALL PLUS CLAZED AD IT'S PROJECTED AREA ON A VERTICAL PLANE.
(3) WHERE THE THERMAL RESISTANCE OF GLAZING IS DIFFERENT FROM THAT REQUIRED IN SENTENCE (2) AND ARTICLE 12.3.1.0., THE AREA OF GLAZING PERMITTED BY SENTENCE (2) SHALL BE ADJUSTED BY MULTIPLYING IT BY THE RATIO OF THE RESULTANT THERMAL RESISTANCE DIVIDED BY THE ACTUAL THERMAL RESISTANCE OF THE GLAZING.
(4) SENTENCE (2) SHALL NOT APPLY WHERE THE BUILDING IS DESIGNED TO BE COOLED UNLESS THE GLAZING DESCRIBED IN SENTENCE (2) IS SHADED IN THE SUMMER WITH EXTERIOR DEVICES, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED WITH A SYSTEM THAT IS CAPABLE OF DISTRIBUTING THE SOLAR HEAT GAIN FROM SUCH GLAZED AREAS THROUGHOUT THE BUILDING, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED IN THE WINTER, THE SHADING SHALL BE CALCULATED USING THE MON SUN ANGLES OF DEC 21.
(5) SENTENCE (4) SHALL NOT APPLY WHERE THE BUILDING IS DESIGNED TO BE COOLED UNLESS THE GLAZING DESCRIBED IN SENTENCE (4) IS SHADED IN THE SUMMER WITH EXTERIOR DEVICES, FOR THE PURPOSE OF DETERMINING WHETHER OR NOT THE GLAZING IS SHADED IN THE SUMM