

link

series

scale

content

oops

smart

	<b>A0</b> COVER SHEET	12.5 200	<ul style="list-style-type: none"><li>● Drawing Index</li><li>● Abbreviations</li><li>● Symbols</li><li>● OBC Matrix and notes</li></ul>
	<b>A1</b> SITE PLAN	1:200 1:500 1:1000	<ul style="list-style-type: none"><li>● Site boundaries, Property lines, Angles, Rights-of-way, Easements, Zoning setback lines, Geodetic and construction bench mark</li><li>● Spot Elevations</li><li>● Ditches, Swales, Water courses, Ponds, Catch Basins, Fire Hydrants, Utilities, Maintenance access covers,</li><li>● Building location with dimensions from property lines</li><li>● Sidewalks, Paved areas, Driveways, Curbs, Curbs cutouts, Parking areas</li><li>● Fire access route, Landscape, Grading</li><li>● Dimensions</li><li>● Annotation, Legends</li></ul>
	<b>A2</b> FLOOR PLANS	1:100 1:150 1:200	<ul style="list-style-type: none"><li>● Structural elements, Grid lines with Reference symbols and Grid dimensions</li><li>● Envelope walls, Doors, Windows</li><li>● Interior walls, Hidden/partial walls, Doors, Windows.</li><li>● Changes in floors levels and materials,</li><li>● Floor slopes, Depressions, Trenches, Stairs, Ramps, Expansion joints.</li><li>● Mechanical, Electrical, Washrooms, Millwork</li><li>● Fire rating</li><li>● Envelope dimensions</li></ul>
	<b>A2</b> ROOF PLANS	1:100 1:150 1:200	<ul style="list-style-type: none"><li>● Grid lines with reference symbols and Grid dimensions</li><li>● Roof outlines and Parapets</li><li>● Shading and hatching to differentiate roofs, Slopes</li><li>● Drains, Scuppers, Sumps, Gutters, Roof pads, Curbs, Anchors, Ladders, Guard rails, Roof walkways, Access hatches</li><li>● Roof-mounted mechanical and electrical equipment, Vent chimneys</li><li>● Site context</li><li>● Dimensions only to items requiring precise locations</li><li>● Cross References and Annotations</li></ul>
	<b>A2</b> REFLECTED CEILING PLANS	1:100 1:150 1:200	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Envelope walls, Interior walls and Headers</li><li>● Ceilings, Layouts, Bulkheads</li><li>● Light Fixtures: Surface Mounted+Recessed</li><li>● Mechanical Equipment, Supply diffusers, Return Air Grilles, Heat/Smoke detectors,</li><li>● Carbon monoxide detectors, Sprinkler Heads</li><li>● Dimensions</li><li>● Elevation Ceiling Levels, Room Names, Room Numbers and Annotations</li><li>● Cross References.</li></ul>
	<b>A3</b> BUILDING ELEVATIONS	1:100 1:150 1:200	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Elevation Floor Levels and grade</li><li>● Building edges, Openings</li><li>● Full true elevation for all facets of building</li><li>● Exterior Construction Materials</li><li>● Attachements: Light Fixture, Receptacle,</li><li>● Fire department connections, Signage, etc.</li><li>● Roof mounted Mechanical Equipment</li><li>● Vertical Dimensions and Roof slopes</li><li>● Cross References</li><li>● Annotations.</li></ul>
	<b>A4</b> BUILDING SECTIONS	1:100 1:150 1:200	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Elevation Floor Levels and grade</li><li>● Structural elements and Footings</li><li>● Building components</li><li>● Room Name and Number</li><li>● Vertical Dimensions and Roof Slopes</li><li>● Cross References</li><li>● Annotations.</li></ul>
	<b>A5</b> DETAILED FLOOR PLANS	1:50	<ul style="list-style-type: none"><li>● Structural elements, Grid lines with reference symbols</li><li>● Envelope walls, Doors, Windows</li><li>● Interior walls, Doors, Interior hidden/partial walls</li><li>● Materials/Accessories, Special floor finish</li><li>● layout, patterns, Custom Fabricated Items, Manufactured Specialties</li><li>● Detailed dimensions</li><li>● Wall tags</li><li>● Annotations</li></ul>
	<b>A6</b> INTERIOR ELEVATIONS	1:50	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Outline walls, Openings, Glazed Screens</li><li>● Cabinetwork, Wall-mounted items, Special Equipment, Paneling, Grilles, Louvers, Thermostats, Other mechanical Items, Switches, Receptacles, Electrical Panels</li><li>● Materials</li><li>● Detailed dimensions and Annotations, Horizontal dimensions to cabinetwork, Vertical dimensions to locate wall-mounted items, Paneling</li><li>● Cross References</li></ul>
	<b>A7</b> STAIRS RAMPS	1:50 1:10 1:5	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Elevation Floor Levels</li><li>● Widths, Lengths, Landings, Clearance to doors,</li><li>● Handrails Continuous on both sides of stairway and extended horizontally beyond top and bottom of stairway</li><li>● Uniform run/rise in any one flight, Maximum</li><li>● vertical rise of flights between floor, Minimum headroom clearance</li><li>● Dimensions: Tread, Riser, Landings, Height of handrails and guards, Opening sizes through guards, designed to prevent climbing</li><li>● Annotations and Cross References.</li></ul>
	<b>A8</b> WALL SECTIONS	1:25 1:20	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Elevation Floor Levels</li><li>● Structural elements, Footing, Backfill line, Foundation Drainage</li><li>● Building Components from Footing to Roof, Wall/Roof Assemblies</li><li>● Wall/Roof Assemblies</li><li>● Typical Window or Door condition</li><li>● Mechanical</li><li>● Vertical dimensions</li><li>● Annotations</li><li>● Cross References.</li></ul>
	<b>A9</b> DETAILS	1:10 1:13 1:12 1:15 1:12	<ul style="list-style-type: none"><li>● Grid lines with reference symbols</li><li>● Elevation Floor Levels</li><li>● Structural Elements, Foundation as required</li><li>● Assemblies Showing Mounting and Supporting Components</li><li>● Windows/Doors with type description</li><li>● Background Projection Lines</li><li>● Mechanical and Other Equipment</li><li>● Vertical Dimensions for Section Details or Horizontal dimensions for Plan Details</li><li>● Annotations.</li></ul>
	<b>A10</b> SCHEDULES		<ul style="list-style-type: none"><li>● Abbreviations and Hardware Legend</li><li>● Door/Window Types</li><li>● Door/Window Frames</li><li>● Door/Window Schedule</li><li>● Wall/Roof Assemblies</li></ul>

PLANNING

- . Protocols to share drawings between consultants
- . Insertion point coordinates
- . Building Sections selection
- . Wall Sections selection
- . Details selection
- . Cross references location

Poor coordination with Civil

Grids are inaccurate

Grid Dimensions are not Rounded

Overcrowded drawings with repeated dimensions and notes

Missing slopes so to set up the perimeter highest level point is impossible

Poor Coordination with Mechanical for openings and equipment location

Missing crickets at mounting curbs for roof top equipment

Envelope wall is missing so ceiling layout, patterns and starting point do not align with curtain wall mullions

Poor coordination with M.E.P.

ACCURACY

- . Grid should be created with coordinates 0,0 or project coordinates
- . Rationalize the structure base in order to have even and rounded Dimensions and Grid orthogonally correct

INTERACTION

- . Coordinate with MEP to place all symbols on RCP

CLARITY

Grade elevations do not belong to the facade being drawn

- . Draw only what is visible at the proper scale to avoid muddy drawings

People and cars are drawn on elevations and sections

COORDINATION

- . Define E.O.S. in coordination with Structural

KNOW HOW

Door Numbers and Tags are duplicated

- . Draw only what you are confident of

SEARCH

- . Consult barrier free code to confirm clearances

Stair does not meet the code

Riser does not have the same height on a flight.

Handrail does not work at turns

Handrail heights are confused with guardrails heights at landings

Up and Down stair symbols are missing or wrong

CODES + STANDARDS CONSULTATION

- . Review Office Standards +The CHOP + The building codes

UNIFORMITY

- . Use same graphics standards within the set

Descriptions are repeated

Poor coordination with specifications so descriptions are not the same as specifications

Details are duplicated

CONSISTENCY

- . Use consistent descriptions, for all materials, products and components

REVIEW

- . Set Review by Architect in charge of Site Review

ABBREVIATIONS  
. MEP MECHANICAL-ELECTRICAL-PLUMBING  
. HVAC HEATING-VENTILATION - AIR CONDITIONING  
. EOS EDGE OF SLAB  
. RCP REFLECTED CEILING PLAN  
. CHOP CANADIAN HANDBOOK OF PRACTICE FOR ARCHITECTS

BIBLIOGRAPHY  
. CANADIAN HANDBOOK OF PRACTICE FOR ARCHITECTS  
. ARCAD STANDARDS + PRACTICE HANDBOOK  
. ARCHITECTURAL GRAPHIC STANDARDS  
. UNITED STATES CONSTRUCTION SPECIFICATION INSTITUTE'S UNIFORM DRAWING SYSTEM, COMPONENT OF NATIONAL CAD STANDARD

May, 2012