Poor coordination with

Grids are inaccurate

Rounded

Grid Dimensions are not

Overcrowded drawings with

repeated dimensions and

Missing slopes so to set up point is impossible

Mechanical for opennings

Missing crickets at mounting

curbs for roof top equipment Envelope wall is missing so Envelope wall is missing so ceiling layout, patterns and starting point do not align starting point do not align

with curtain wall mullions

Poor coordination with M.E.P. . Coordinate with MEP to place all symbols on RCP

and equipment location

**PLANNING** 

Protocols to share drawings between consultants

Insertion point coordinates Building Sections selection Wall Sections selection

Grid should be created with coordinates 0,0 or project

Rationalize the structure base

in order to have even and rounded Dimensions and Grid

orthogonally correct

INTERACTION

Details selection Cross references location

coordinates





- Drawing Index
  - Symbols
  - OBC Matrix and notes
  - Site boundaries, Property lines, Angles,
     Rights-of-way, Easements, Zoning setback lines, Geodetic and construction bench mark Spot ElevationsDitches, Swales, Water courses, Ponds, Catch
  - Basins, Fire Hydrants, Utilities, Maintenance

•Structural elements, Grid lines with

Reference symbols and Grid dimensions

Interior walls, Hidden/partial walls, Doors,

Changes in floors levels and materials

Grid lines with reference symbols and

Shading and hatching to differentiate

• Drains, Scuppers, Sumps, Gutters, Roof

Grid lines with reference symbols

Ceilings, Layouts, Bulkheads

pads, Curbs, Anchors, Ladders, Guard

Envelope walls, Interior walls and Headers

Light Fixtures: Surface Mounted+RecessedMechanical Equipment, Supply diffusers,

Return Air Grilles, Heat/Smoke detectors,

Grid dimensions

• Roof outlines and Parapets

- Curbs cutouts, Parking areas

  Fire access route. Landscape, Grading

Building location with dimensions from

•Sidewalks, Paved areas, Driveways, Curbs,

Annotation, Legends

property lines

- Floor slopes, Depressions, Trenches, Stairs, Ramps, Expansion joints.
- Mechanical, Electrical, Washrooms, Millwork
- Fire rating
- Envelope dimensions

rails, Roof walkways, Access hatches Roof-mounted mechanical and

- electrical equipment, Vent chimneys Site context
- Dimensions only to items requiring precise
- Cross References and Annotations

Carbon monoxide detectors, Sprinkler

- Elevation Ceiling Levels, Room Names, Room Numbers and Annotations

- Fire department connections, Signage,
- Annotations.
- Vertical Dimensions and Roof slopesCross References

- Roof mounted Mechanical Equipment
- Cross References Annotations.

Detailed dimensions

Annotations

Grade elevations do not belong to the facade being



People and cars are drawn on elevations and sections



Define E.O.S. in coordination with Structural

Door Numbers and Tags are



. Draw only what you are confident of



Stair does not meet the Riser does not have the same height on a flight.

Consult barrier free code to confirm clearances

Handrail does not work at Handrail heights are confused with guardrails heigh

. Review Office Standards +The CHOP + The building codes

Up and Down stair symbols are missing or wrong

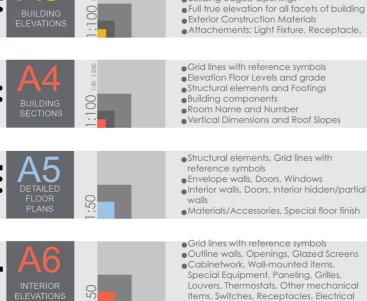
> . Use same graphics standards within the set

Poor coordination with specifi-Cations so descriptions are not the same as specifications Details are duplicated

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



. Set Review by Architect in charge of Site Review



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• Attachements: Light Fixture, Receptacle

 $_{\bullet}\text{Grid}$  lines with reference symbols

• Elevation Floor Levels and grade Building edges, Openings

- Grid lines with reference symbols • Elevation Floor Levels and grade Structural elements and Footings
- Building components Room Name and Number
- Vertical Dimensions and Roof Slopes
- •Structural elements, Grid lines with layout, patterns, Custom Fabricated Items, Manufactured Specialties
- reference symbols
  Envelope walls, Doors, Windows
- Interior walls, Doors, Interior hidden/partial
- Materials/Accessories, Special floor finish
- Grid lines with reference symbols Outline walls, Openings, Glazed Screens Cabinetwork, Wall-mounted items,
   Special Equipment, Paneling, Grilles,
- Louvers, Thermostats, Other mechanical Items, Switches, Receptacles, Electrical
- Grid lines with reference symbols
- Elevation Floor Levels
   Widths, Lengths, Landings, Clearance to doors, Dimensions: Tread, Riser, Landings, Height • Handrails Continuous on both sides of stairway
- and extended horizontally beyond top and bottom of stairway
- Wall/Roof Assemblies
- Typical Window or Door condition Mechanical

Background Projection Lines

Mechanical and Other Equipment

Vertical Dimensions for Section Details or

Horizontal dimensions for Plan Details

Detailed dimensions and Annotations,

Horizontal dimensions to cabinetwork. Vertical dimensions to locate wall-

vertical rise of flights between floor,

of handrails and guards, Opening sizes

through guards, designed to prevent

mounted items, Paneling

Cross References

- Annotations
- Cross References
- Grid lines with reference symbols • Elevation Floor Levels

•Grid lines with reference symbols

•Structural elements, Footing, Backfill line,

Building Components from Footing to

Elevation Floor Levels

Foundation Drainage

Roof, Wall/Roof Assemblies

- •Structural Elements, Foundation as required Assemblies Showing Mounting and Supporting Components
- Windows/Doors with type description
- Abbreviations and Hardware Leaend
- Door/Window Types Door/Window Frames
- Door/Window Schedule
- Wall/Roof Assemblies
- ARCHITECTURAL GRAPHIC STANDARDS UNITED STATES CONSTRUCTION SPECIFICATION INSTITUTE'S UNIFORM
- . CANADIAN HANDBOOK OF PRACTICE FOR ARCHITECTS ARCAD STANDARDS + PRACTICE HANDBOOK
- DRAWING SYSTEM, COMPONENT OF NATIONAL CAD STANDARD
- ABBREVIATIONS . WED. CHOP.

REFLECTED CELLING PLAN

MECHANICAL-ELECTRICAL-PLUMBING

HEATING-VENTILATION - AIR CONDITIONING

CANADIAN HANDBOOK OF PRACTICE FOR ARCHITECTS