

FINAL SUBMISSION SET DUE SUNDAY MAY 14

Required Optional	Sheet No	Sheet Name	Recommended Scale	Include the following
Required	A-001	COVER SHEET	NA	1 EXTERIOR 3D IMAGE, DRAWINGS LISTS (Structural & Architectural are to be shown as separate lists)
Optional	A-002	Perspectives	NA	Compose 1 sheet of your best perspectives, interior and exterior to show off all the hard work you put into your model. Consider showing off structural components or indoor multistory spaces.

Architectural Drawings only other Architectural Drawings should be keyed and
Structural drawings only reference other structural drawings.

For all Architectural Floor Plans.

Column grids with dimensions. All interior walls, room keys and door keys. Make sure rooms are named and numbered and that they match. Mechanical shaft locations and stairs should be shown. Door schedule for each level. If possible fit the schedule for each level on the same sheet with the corresponding level. If you cannot fit them add an extra sheet (A-105) and put all the door schedules here. You must demonstrate the ability to use the filter option so if you put them on a single sheet they need to be separated up by floor.

Required	A-100	Basement Floor Plan	1/8" = 1'-0"	Same as above Note: Foundations walls and structural concrete columns should show but footing and isolated footings should only be visible on the structural basement plan. To control this visibility check the view range setting.
Required	A-101	Level 1 Floor Plan	1/8" = 1'-0"	Same as above. Remember that at least 2 stair doors on level one must also exit directly out of the building. If you have a third interior stair it can exit into the corridors and then out through the main entrance of the building. Make sure all doors open in the direction of egress.
Required	A-102	Level 2 Floor Plan	1/8" = 1'-0"	Same as above
Required	A-103	Level 3 Floor Plan	1/8" = 1'-0"	Same as above
Required	A-104	Roof Plan	1/8" = 1'-0"	Same as above. At least 1 stair must extend to the roof.

For all Reflected Ceiling Plans:

RCP plans show roofs but no doors. Stairs will be visible. Elevators typically are not visible. Spaces can either have a hung ceiling (2 x 2, 2 x 4, etc.) or sheetrock or can have exposed structure (beams will be visible). Spaces should all contain lights and HVAC (both supply and return grills) Rooms typically have 1 return and several supply ducts. Include dimensions of the column grids.

One of the reflected ceiling plans must show color coding for fire ratings.

Please refer to the tutorial listed on day 16 for reference on correct colors and how to apply them.

Required	A-200	BASEMENT RCP	1/8" = 1'-0"	Same as A-201
Required	A-201	LEVEL 1 RCP	1/8" = 1'-0"	Same as A-201
Required	A-202	LEVEL 2 RCP	1/8" = 1'-0"	Same as A-201
Required	A-203	LEVEL 3 RCP	1/8" = 1'-0"	Same as A-201
Required	A-301	EXTERIOR BUILDING ELEVATIONS	1/8" = 1'-0"	Exterior wall - from ground up to roof. Do not show anything below level 1 (no footings or basement walls). Include levels and column grids. Dimension column grids.
Required	A-302	EXTERIOR BUILDING ELEVATIONS	1/8" = 1'-0"	Same as A-301, A-302, etc. - use as many sheets as needed
Required	A-310	FULL BUILDING SECTIONS	1/8" = 1'-0"	A minimum of two full building sections. These show the full building from footing to parapet and roof. Include levels and column grids. Dimension column grids. Label spaces.

Your details sheets are the most important sheets of your end of semester presentation. They are to be featured in your final powerpoint and they will be plotted full size and pinned up in the corridor. Remember that you must show matching plan, section and elevation partial callouts at the same scale. As you develop these sheets and add detail items it is critical that you plot them before you add too much detail so that you can determine the proper scale for the detail that included all of the leader text and detail items & key dimensions. Typical scales are 3/4", 1 1/2" and 3". Also possible is 1". Nothing smaller than 3/4".

Draw in a compact fashion fitting as much on a page as possible. If you need more than one sheet for example label them A-401.1 and A-401.2. Sheet layout is an important part of your grade as well as content. In addition to matching plan, section, elevation consider adding isometrics like we did for the scavenger hunt.

In your final powerpoint you need to color code to based on Water (blue), Structure (green), Thermal (orange), Fire (red). Remember that components can serve multiple roles. Your research must be part of your final presentation.

Optional for this submission	A-401	Wall Sections, Details, plan details, elevation details isometrics	3/4"=1'-0" 1 1/2" = 1'-0" 3" = 1'-0"	This is your sheet for solid panels like pre-cast or stone or metal panels etc.
Optional for this submission	A-402	Wall Sections, Details, plan details, elevation details isometrics	3/4"=1'-0" 1 1/2" = 1'-0" 3" = 1'-0"	Same as above but for your curtain wall.

Structural drawings show only structural components of the building and reference only other structural drawings. Your plans should show keys to the two structural sections. No walls, doors, room keys, etc. should show except for structural walls like foundation walls and shear walls. Elevators do not show but shafts will show. Column should show as will beams. Make certain the you are displaying either fine or medium detail level so you can see the full beams. Column grids with dimensions.

Required	S-100	Basement Structural Plan	1/8" = 1'-0"	Show Basement Slab, foundation wall, isolated foundations and footings. Show beam tags. Column Grids & Dimensions.
Required	S-101	Level 1 Structural Plan	1/8" = 1'-0"	Show level 1 slab, concrete columns and beams that hold up this level.
Required	S-102	Level 2 Structural Plan	1/8" = 1'-0"	Show level 2 slab with steel columns and beams. Show beam tags.
Required	S-103	Level 3 Structural Plan	1/8" = 1'-0"	Same as S-102
Required	S-104	Roof Structural Plan	1/8" = 1'-0"	Same as S-102
Required	S-105	Structural Section	1/8" = 1'-0"	Shows slabs from basement to roof. Shows levels. Shows vertical dimensions from level to level. Shows shafts. Beams and corrugated metal deck should be visible.
Required	S-106	Structural Section (may require only 1 sheets see S-105)	1/8" = 1'-0"	Same a S-105