

Req'd or Opt	#	Scale	Required sheet set drawings;	Comments:
Cover / Zoning / Studies				
<i>For all drawings pay attention to quality of information and not quantity. Complete 1 sheet well - with proper layout & scale before moving on to another sheet. As with the scavenger hunt - layout and proper use of scale and level of detail is critical. Although much of the research was completed on a team bases each individual student is required to complete their own work and copying of drawings from others will disqualify both students from receiving any credit for that drawing. Final submission must be both in printed form and as a PDF uploaded to blackboard. There will be no extension for the final submission. Consider printing sheets in advance of the final deadline. The final printed set must be bound.</i>				
Required	1	C-101	REVIT	*COVERSHEET With Perspective or 3d Images
Required	2	C-102	AUTOCAD/REVIT	COVER WITH ABBREVIATIONS, DRAWINGS LISTS, SYMBOLS, ETC.
Required	3	Z-101	AUTOCAD	SITE PLAN/ ZONING ANALYSIS ZONING TEXT
Required	4	Z-102	AUTOCAD	SITE PLAN/ ZONING ANALYSIS ZONING TEXT
Optional	*	ADA-101	AUTOCAD	ADA DRAWINGS AND TEXT
Optional	*	ADA-102	AUTOCAD	ADA DRAWINGS AND TEXT
Required	5	SK-101	AUTOCAD	STUDY SKETCHES - STAIRS
Required	6	SK-101	AUTOCAD	STUDY SKETCHES - CORES
Required	7	SK-102	AUTOCAD	STUDY SKETCHES - LOADING DOCKS
Required	8	SK-103	AUTOCAD	STUDY SKETCHES - STAIRS & CORE COMBINATIONS
Required	*	SEE BELOW	AUTOCAD	PARTITIONS ARE MOVED TO A-400

BUILDING TECHNOLOGY III

2013.1206 Ver 2.0

Req'd or Opt	#	Scale	Required sheet set drawings;	Comments:
100 SERIES FLOOR PLANS				
<i>Drawing should be laid out in a consistent fashion on each sheet. Drawings should include exterior dimension strings that include, overall, column grids and window opening dimensions. For the Lab building there should be two additional dimension strings shown across the floor plans one in each direction (north-south & east-west). Pay attention to the level of detail you show at different scales and set the view range settings carefully.</i>				
Required	9	A-100	1/16" = 1'-0" BASEMENT LEVEL - COMPOSITE	
Required	10	A-100.A	1/8" =1'-0" BASEMENT - ATRIUM	
Required	11	A-100.G	1/8" =1'-0" BASEMENT - GYM	
Required	12	A-100.L	1/8" =1'-0" BASEMENT - LAB	
Required	13	A-101	1/16" = 1'-0" 1ST FLOOR (LOBBY) - COMPOSITE	
Required	14	A-101.A	1/8" =1'-0" 1ST FLOOR - ATRIUM & DOOR SCHEDULE	
Required	15	A-101.G	1/8" =1'-0" 1ST FLOOR - GYM & DOOR SCHEDULE	
Required	16	A-101.L	1/8" =1'-0" 1ST FLOOR - LAB & DOOR SCHEDULE	
Required	17	A-102	1/16" = 1'-0" 2ND FLOOR / MEZZANINE - COMPOSITE	
Optional	*	A-102.A	1/8" =1'-0" 2ND FLOOR - ATRIUM	
Optional	*	A-102.G	1/8" =1'-0" 2ND FLOOR - GYM	
Optional	*	A-102.L	1/8" =1'-0" 2ND FLOOR - LAB	
Required	18	A-103	1/8" =1'-0" 3RD FLOOR - 6TH (TYPICAL LAB FLOOR) & DOOR SCHEDULE	<i>The second floor of the lab can also be your typical lab floor. Complete 1 or the other.</i>
Optional	*	A-104	1/8" =1'-0" 4TH FLOOR (ADDITIONAL LAB FLOOR)	
Optional	*	A-105	1/8" =1'-0" 5TH FLOOR	
Optional	*	A-106	1/8" =1'-0" 6TH FLOOR	
Required	19	A-107	1/16" = 1'-0" ROOF PLAN - COMPOSITE	
Optional	*	A-107.A	1/8" =1'-0" ROOF PLAN - ATRIUM	
Optional	*	A-107.G	1/8" =1'-0" ROOF PLAN - GYM	
Optional	*	A-107.L	1/8" =1'-0" ROOF PLAN - LAB	

BUILDING TECHNOLOGY III

2013.1206 Ver 2.0

Req'd or Opt # Scale Required sheet set drawings; Comments:

200 SERIES RCP PLANS

Only 1 reflected ceiling plan is required. Focus on a typical lab floor. If you choose to do a second optional RCP complete A-201 the composite first floor that would show the ceiling of the Gymnasium. Your ceiling plans should include a combination of hung ceiling and gypsum board - lighting should be included.

Optional	*	A-200	1/16" = 1'-0"	BASEMENT LEVEL - COMPOSITE	
Optional	*	A-200.A	1/8" = 1'-0"	BASEMENT - ATRIUM	
Optional	*	A-200.G	1/8" = 1'-0"	BASEMENT - GYM	
Optional	*	A-200.L	1/8" = 1'-0"	BASEMENT - LAB	
Optional	*	A-201	1/16" = 1'-0"	1ST FLOOR (LOBBY) - COMPOSITE	
Optional	*	A-201.A	1/8" = 1'-0"	1ST FLOOR - ATRIUM	
Optional	*	A-201.G	1/8" = 1'-0"	1ST FLOOR - GYM	
Optional	*	A-201.L	1/8" = 1'-0"	1ST FLOOR - LAB	
Optional	*	A-202	1/16" = 1'-0"	2ND FLOOR / MEZZANINE - COMPOSITE	
Optional	*	A-202.A	1/8" = 1'-0"	2ND FLOOR - ATRIUM	
Optional	*	A-202.G	1/8" = 1'-0"	2ND FLOOR - GYM	
Optional	*	A-202.L	1/8" = 1'-0"	2ND FLOOR - LAB	
Required	20	A-203	1/8" = 1'-0"	3RD FLOOR - 6TH (TYPICAL LAB FLOOR)	
Optional	*	A-204	1/8" = 1'-0"	4TH FLOOR (ADDITIONAL LAB FLOOR)	
Optional	*	A-205	1/8" = 1'-0"	5TH FLOOR	
Optional	*	A-206	1/8" = 1'-0"	6TH FLOOR	

300 SERIES BUILDING SECTIONS AND EXTERIOR ELEVATIONS

Building sections are overall (showing all buildings) and should cut through each of the three buildings in both directions. Recommended is on across the GYM, one across the GYM and the Atrium, one across the Atrium and the Lab Building, and one across the Lab in the other direction. Keep the building sections all at the same scale (1/16"). The exterior elevations should exist at two scales 1/16" & 1/8". The 1/16" elevations should show the overall building and the 1/8" elevations would focus on the elevation of each building. You can also consider an elevation/section showing a views from inside the Atrium showing the GYM and the LAB facades.

Required	21	A-300	1/16" = 1'-0"	BUILDING SECTIONS	
Required	22	A-301	1/16" = 1'-0"	BUILDING SECTIONS	
Required	23	A-302	1/16" = 1'-0"	EXTERIOR ELEVATIONS - NORTH & SOUTH	
Required	24	A-303	1/16" = 1'-0"	EXTERIOR ELEVATIONS - EAST & WEST	
Required	25	A-304	1/8" = 1'-0"	EXTERIOR ELEVATIONS - NORTH	
Required	26	A-305	1/8" = 1'-0"	EXTERIOR ELEVATIONS - SOUTH	
Required	27	A-306	1/8" = 1'-0"	EXTERIOR ELEVATIONS - EAST	
Required	28	A-307	1/8" = 1'-0"	EXTERIOR ELEVATIONS - WEST	
Optional	*	A-308, 309 ...	1/8" = 1'-0"	EXTERIOR ELEVATIONS - ADDITIONAL AS REQUIRED	

BUILDING TECHNOLOGY III

2013.1206 Ver 2.0

Req'd or Opt	#	Scale	Required sheet set drawings;	Comments:	
400 SERIES PLAN DETAILS					
<p><i>Plan details as well as Wall Sections & Details (similar to the scavenger hunt exercises) should be the primary focus of the work that differentiates your specific efforts - The plan detail drawings will be linked and referenced from the floor plans in the A-100 series. The Wall Sections and Details will be referenced from both the plans (A-100 Series) and the building elevations (A-300 Series). Remember to focus on organization of drawings on each sheet and what you are trying to explain. Pay attention to the appropriate scale and level of detail.</i></p>					
Required	29	A-400	3"= 1'-0"	PARTITION TYPES	<p><i>The organization of these sheets is up to each individual student. Choose a naming and numbering system that makes sense. Prioritize the details that are most important.</i></p>
Required	30	A-401.1 401.2	3"= 1'-0"	PLAN DETAILS - GYM	
Required	31	A-402.1 402.2	3"= 1'-0"	PLAN DETAILS - ATRIUM	
Required	32	A-403.1 403.2	3"= 1'-0"	PLAN DETAILS - TYPICAL LAB	
Optional	*	A-404	3"= 1'-0"	PLAN DETAILS - ADDITIONAL	<p><i>Use .1 .2 .3 (401.1 401.2 401.3) for additional sheets within a given category.</i></p>

500 SERIES WALL SECTIONS & DETAILS					
<p><i>Plan details as well as Wall Sections & Details (similar to the scavenger hunt exercises) should be the primary focus of the work that differentiates your specific efforts - The plan detail drawings will be linked and referenced from the floor plans in the A-100 series. The Wall Sections and Details will be referenced from both the plans (A-100 Series) and the building elevations (A-300 Series). Remember to focus on organization of drawings on each sheet and what you are trying to explain. Pay attention to the appropriate scale and level of detail.</i></p>					
Required	33	A-500	3/4" = 1'-0"	WALL SECTIONS - GYM	<p><i>The organization of these sheets is up to each individual student. Choose a naming and numbering system that makes sense. Prioritize the details that are most important.</i></p>
Required	34	A-501.1 501.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- GYM	
Required	35	A-502.1 502.2	3/4" = 1'-0"	WALL SECTIONS - ATRIUM	
Required	36	A-503.1 503.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- ATRIUM	
Optional	*	A-504	3/4" = 1'-0"	WALL SECTIONS - LAB	<p><i>Use .1 .2 .3 (401.1 401.2 401.3) for additional sheets within a given category.</i></p>
Optional	*	A-505	1 1/2" = 1'-0"	WALL SECTION DETAILS- LAB	

BUILDING TECHNOLOGY III

2013.1206 Ver 2.0

Req'd or Opt	#	Scale	Required sheet set drawings;	Comments:
600 SERIES PARTIAL PLANS & INTERIOR ELEVATIONS				
<i>All enlarged plans and interior elevations are optional. If you choose to complete any of these sheets consider completing a plan and its related interior elevations. It is better to complete 1 good sheet than several of lesser quality.</i>				
Optional	*	A-500	1/4" = 1'-0"	CORE PLANS
Optional	*	A-501	1/4" = 1'-0"	CORE PLANS
Optional	*	A-502	1/4" = 1'-0"	STAIR PLANS & SECTIONS (MINIMUM 1 STAIR)
Optional	*	A-503	1/4" = 1'-0"	STAIR SECTIONS
Optional	*	A-504	1/4" = 1'-0"	PARTIAL PLANS & ELEVATIONS- BATHROOMS
S-100 SERIE STRUCTURAL				
<i>Structural drawings do not need to show much detail. Their purpose is to key the types of beams. In addition to completeness these will be evaluated to see if they correct beam types are used in the correct locations - based on span and location (interior or exterior). Also be certain to apply the proper structural view templates.</i>				
Required	37	S-100.A	1/16" = 1'-0"	FOUNDATION PLAN
Optional	*	S-100.G	1/8" =1'-0"	BASEMENT - GYM
Optional	*	S-100.L	1/8" =1'-0"	BASEMENT - LAB
Required	38	S-101	1/16" = 1'-0"	1ST FLOOR (LOBBY) - COMPOSITE
Optional	*	S-101.A	1/8" =1'-0"	1ST FLOOR - ATRIUM
Optional	*	S-101.G	1/8" =1'-0"	1ST FLOOR - GYM
Optional	*	S-101.L	1/8" =1'-0"	1ST FLOOR - LAB
Optional	*	S-102	1/16" = 1'-0"	2ND FLOOR / MEZZANINE - COMPOSITE
Optional	*	S-102.A	1/8" =1'-0"	2ND FLOOR - ATRIUM
Optional	*	S-102.G	1/8" =1'-0"	2ND FLOOR - GYM
Optional	*	S-102.L	1/8" =1'-0"	2ND FLOOR - LAB
Required	39	S-103	1/8" =1'-0"	3RD FLOOR - 6TH (TYPICAL LAB FLOOR)
Optional	*	S-104	1/8" =1'-0"	4TH FLOOR (ADDITIONAL LAB FLOOR)
Optional	*	S-105	1/8" =1'-0"	5TH FLOOR
Optional	*	S-106	1/8" =1'-0"	6TH FLOOR
Optional	*	S-107	1/16" = 1'-0"	ROOF PLAN - COMPOSITE
Optional	*	S-107.A	1/8" =1'-0"	ROOF PLAN - ATRIUM
Optional	*	S-107.G	1/8" =1'-0"	ROOF PLAN - GYM
Optional	*	S-107.L	1/8" =1'-0"	ROOF PLAN - LAB

END OF LISTING