

BUILDING TECHNOLOGY III SPRING 2014

DRAWING LIST - Updated 2/13/2014

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.

Req/Opt	#	Sheet No	Scale	Sheet Name	Preliminary Submission as Required	Set 1- Grids, Levels, Massing	Set 2- Foundations	Set 3-Cores	Set 4- Structure	Set 5- Gym Walls	Set 6- Exterior Elevations	Set 7- Roofs	Set 8- Typ. Lab Floors	Set 9- Level 1 and Mezz	Set 10- RCP	FINAL SET
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100 ! FLOOR PLANS

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.

Required	8	A-100	1/16" = 1'-0"	BASEMENT LEVEL - COMPOSITE	•											•
Required	9	A-100.A	1/8" = 1'-0"	BASEMENT - ATRIUM	•											•
Required	10	A-100.G	1/8" = 1'-0"	BASEMENT - GYM	•											•
Required	11	A-100.L	1/8" = 1'-0"	BASEMENT - LAB	•											•
Required	12	A-101	1/16" = 1'-0"	1ST FLOOR - COMPOSITE	•		•			•				•		•
Required	13	A-101.A	1/8" = 1'-0"	1ST FLOOR - ATRIUM	•		•							•		•
Required	14	A-101.G	1/8" = 1'-0"	1ST FLOOR - GYM	•		•							•		•
Required	15	A-101.L	1/8" = 1'-0"	1ST FLOOR - LAB	•		•							•		•
Required	16	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	17	A-103	1/8" = 1'-0"	3RD FLOOR LAB - (DOOR SCHEDULE)			•						•			•
Required	18	A-104	1/8" = 1'-0"	4th FLOOR LAB - (DOOR SCHEDULE)			•						•			•
Required	19	A-105	1/8" = 1'-0"	5th FLOOR LAB - (DOOR SCHEDULE)			•						•			•
Required	20	A-106	1/8" = 1'-0"	6th FLOOR LAB - (DOOR SCHEDULE)			•						•			•
Optional	18	A-107	1/8" = 1'-0"	7th FLOOR LAB - (DOOR SCHEDULE)			•						•			•
Required	19	A-108	1/16" = 1'-0"	ROOF PLAN - COMPOSITE								•				•
Optional	20	A-108.A	1/8" = 1'-0"	ROOF PLAN - ATRIUM								•				•
Optional	21	A-108.G	1/8" = 1'-0"	ROOF PLAN - GYM								•				•
Optional	22	A-108.L	1/8" = 1'-0"	ROOF PLAN - LAB								•				•
Required	23	A-110 (110.1,110.2)	1/8" = 1'-0"	ALL DOOR SCHEDULES IF NOT ON OTHER SHEETS								•				•

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Required	55	A-606 - 6XX	1/4" = 1'-0"	PARTIAL PLANS & INTERIOR ELEVATIONS- LABS, CLASSROOMS, ETC. INCLUDE EACH UNIQUE SPACE				•								•

S-10 STRUCTURAL

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.

Required	56	S-100	1/16" = 1'-0"	FOUNDATION PLAN-COMPOSITE			•									•
Optional	*	S-100.A	1/8" = 1'-0"	BASEMENT - ATRIUM												
Optional	*	S-100.G	1/8" = 1'-0"	BASEMENT - GYM												
Optional	*	S-100.L	1/8" = 1'-0"	BASEMENT - LAB												
Required	57	S-101	1/16" = 1'-0"	1ST FLOOR - 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												
Required	58	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												
Required	59	S-103	1/8" = 1'-0"	TYPICAL LAB FLOOR- TYPE A			•									•
Optional	*	S-104	1/8" = 1'-0"	TYPICAL LAB FLOOR- TYPE B												
Optional	*	S-105	1/16" = 1'-0"	ROOF PLAN - COMPOSITE												
Optional	*	S-105.A	1/8" = 1'-0"	ROOF PLAN - ATRIUM												
Optional	*	S-105.G	1/8" = 1'-0"	ROOF PLAN - GYM												
Optional	*	S-105.L	1/8" = 1'-0"	ROOF PLAN - LAB												
Required	60	S-110 (111,112)	1/4" = 1'-0"	TRUSS SECTIONS AS NEEDED					•							•

END OF LISTING