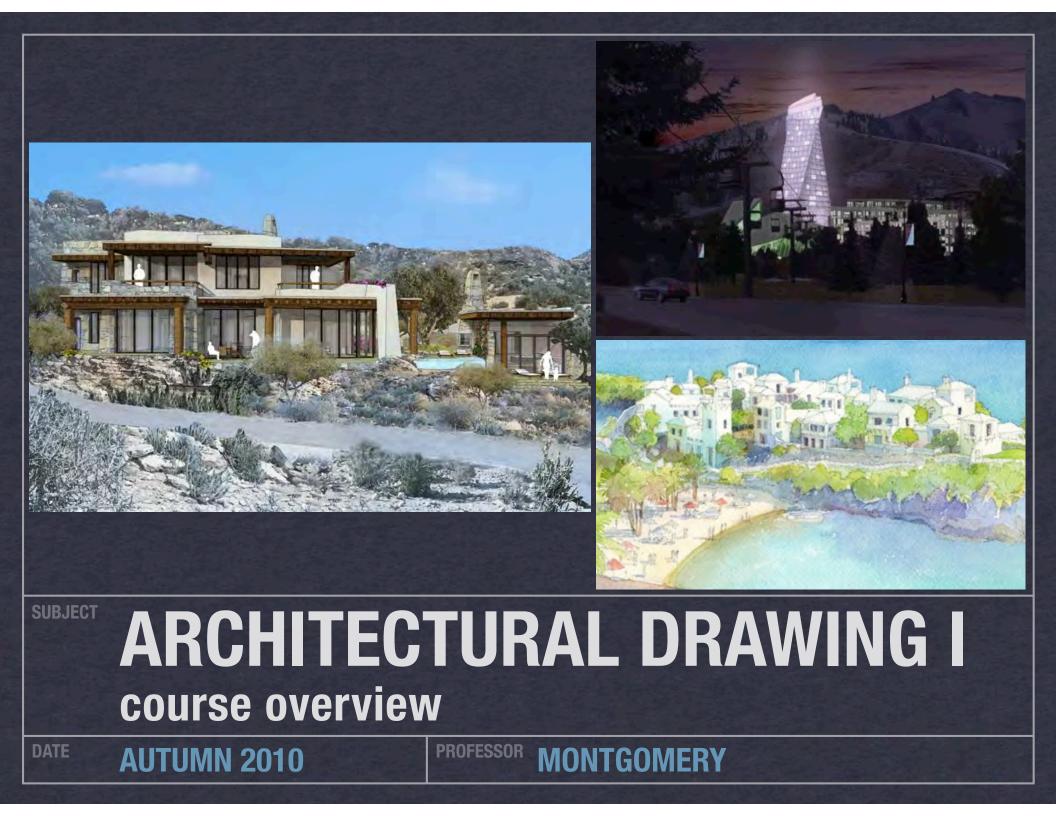
arch 1100 + 1140 professor Montgomery autumn 2010



this week

objective:

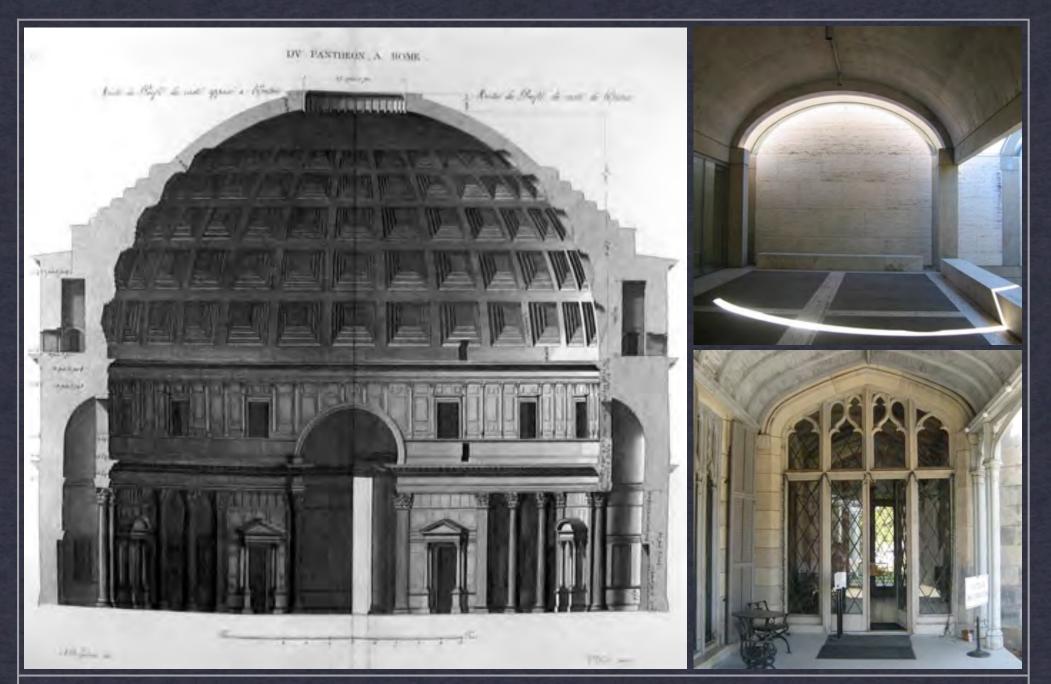
understand the role of drawing in architectural practice



stuff of architecture
the sketchbook
measuring things
design + drawing

communicating design
building + drawing
tools

arch 1100 + 1140



STUFF OF ARCHITECTURE professor Montgomery

sculpting space arch 1100 + 1140



professor Montgomery

surface and mass arch 1100 + 1140



professor Montgomery

public space arch 1100 + 1140



professor Montgomery

stage craft arch 1100 + 1140



professor Montgomery

hierarchy arch 1100 + 1140



crafted from the land arch 1100 + 1140

STUFF OF ARCHITECTURE



light marrying form arch 1100 + 1140

STUFF OF ARCHITECTURE



professor Montgomery

environmental intelligence arch 1100 + 1140



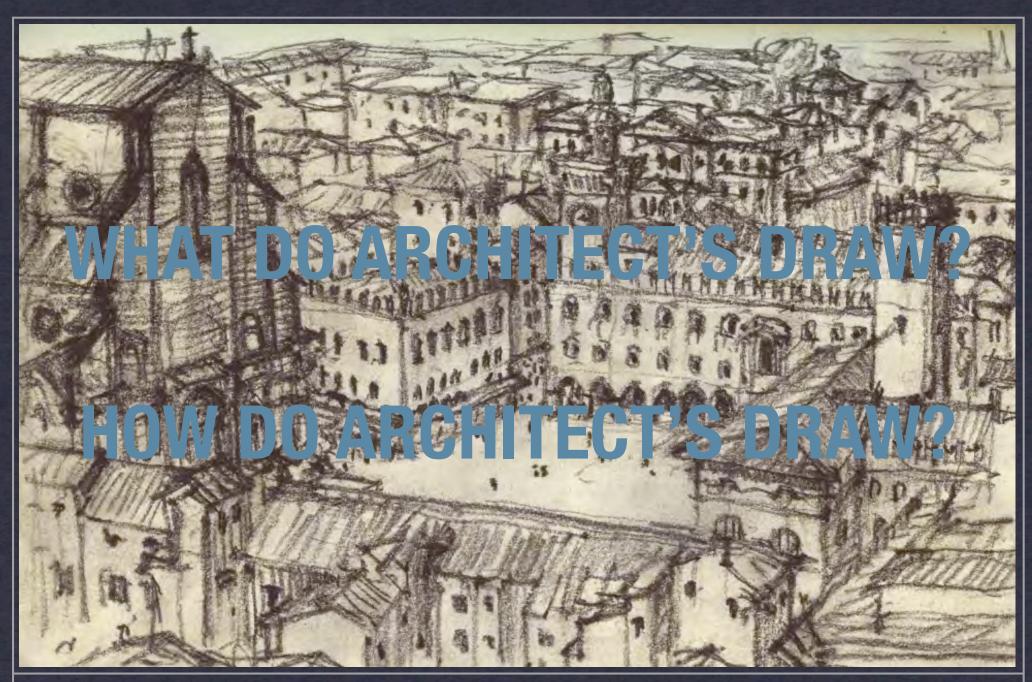
professor Montgomery

built to last arch 1100 + 1140

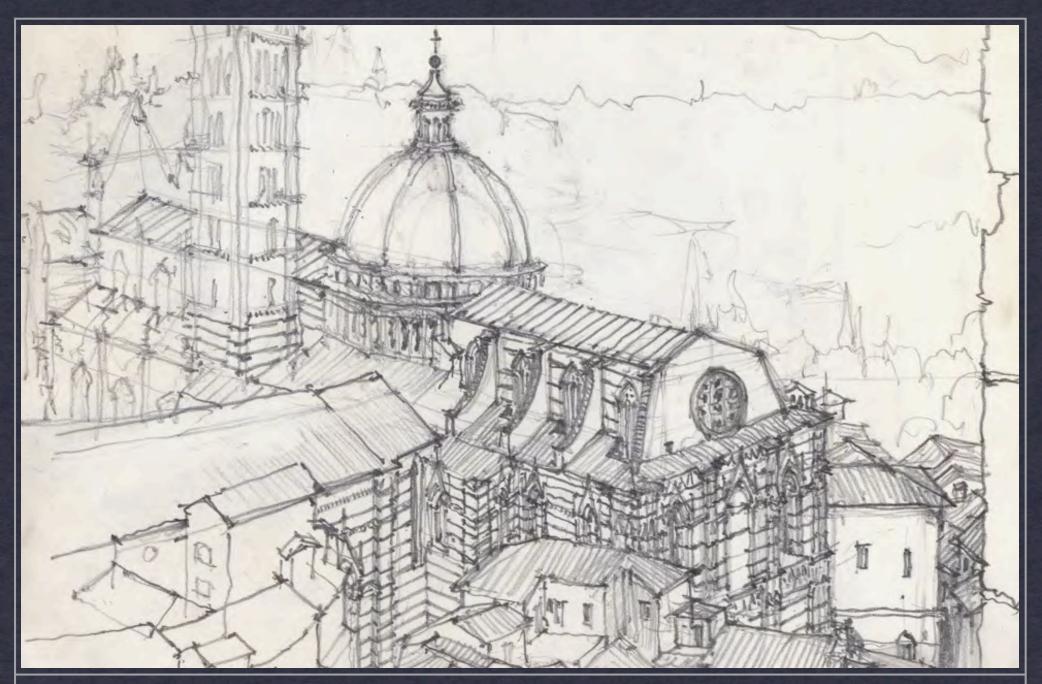


professor Montgomery

vitality arch 1100 + 1140



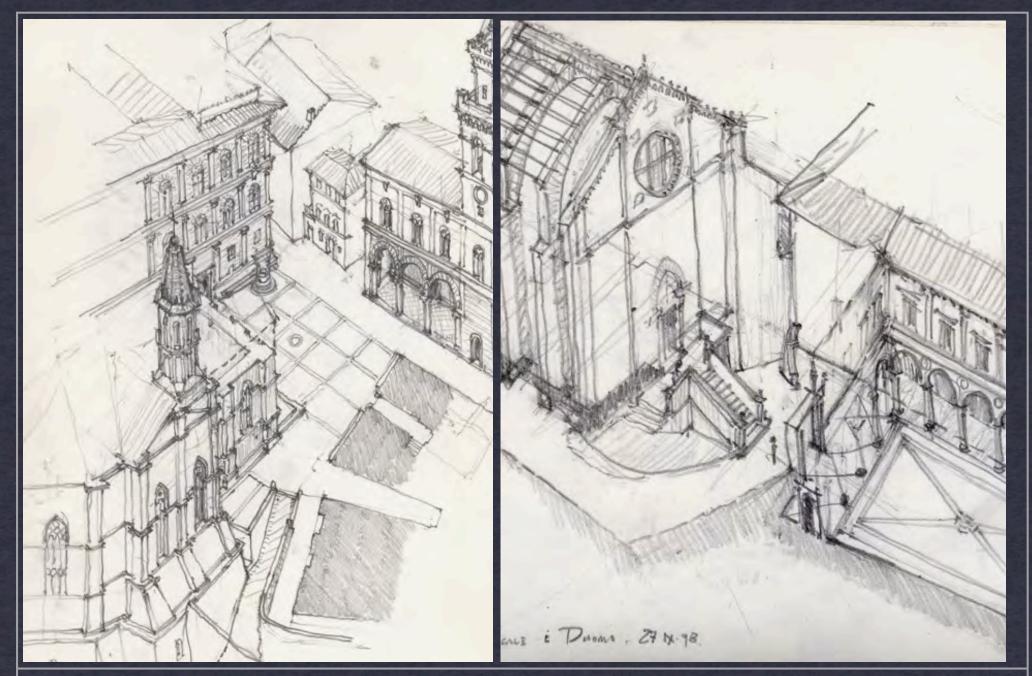
observing the world around us arch 1100 + 1140



observing the world around us

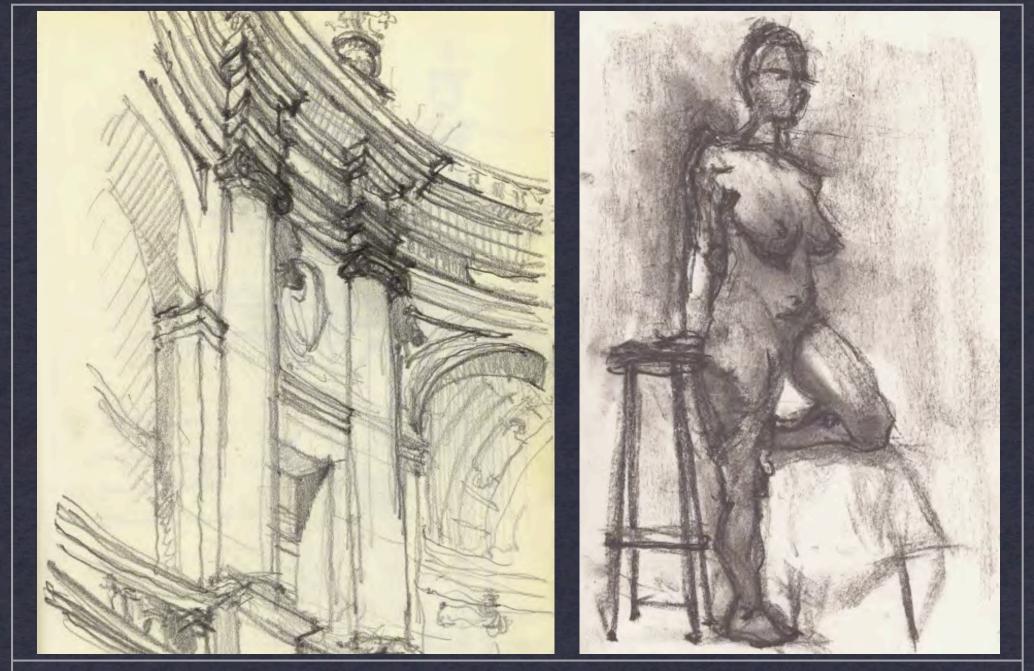
professor Montgomery

arch 1100 + 1140

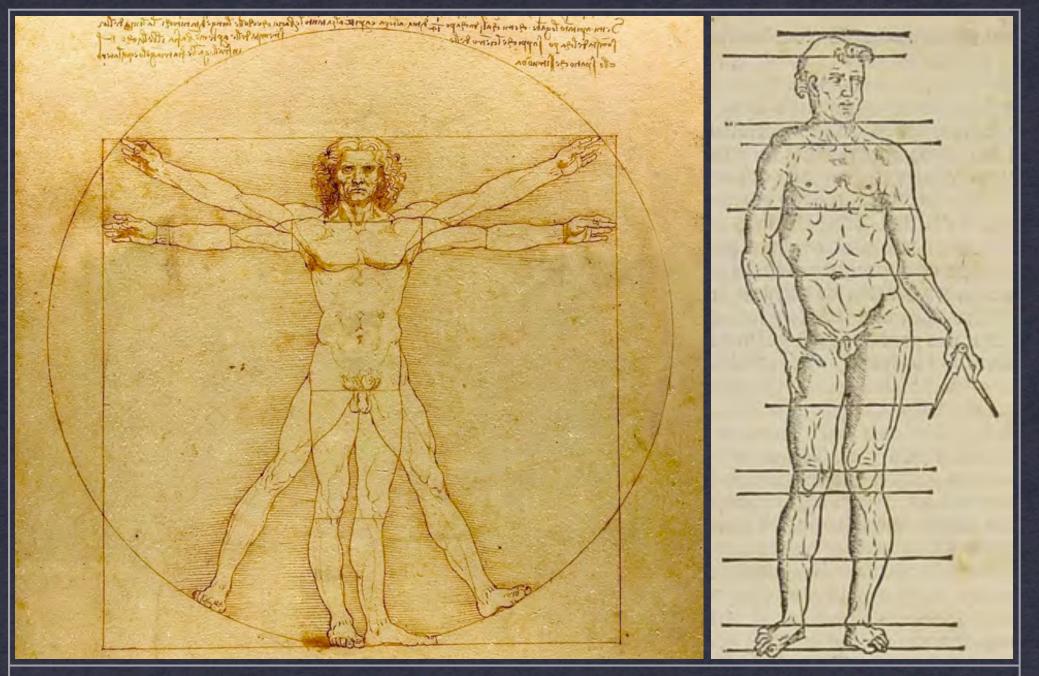


professor Montgomery

analyzing the world around us arch 1100 + 1140

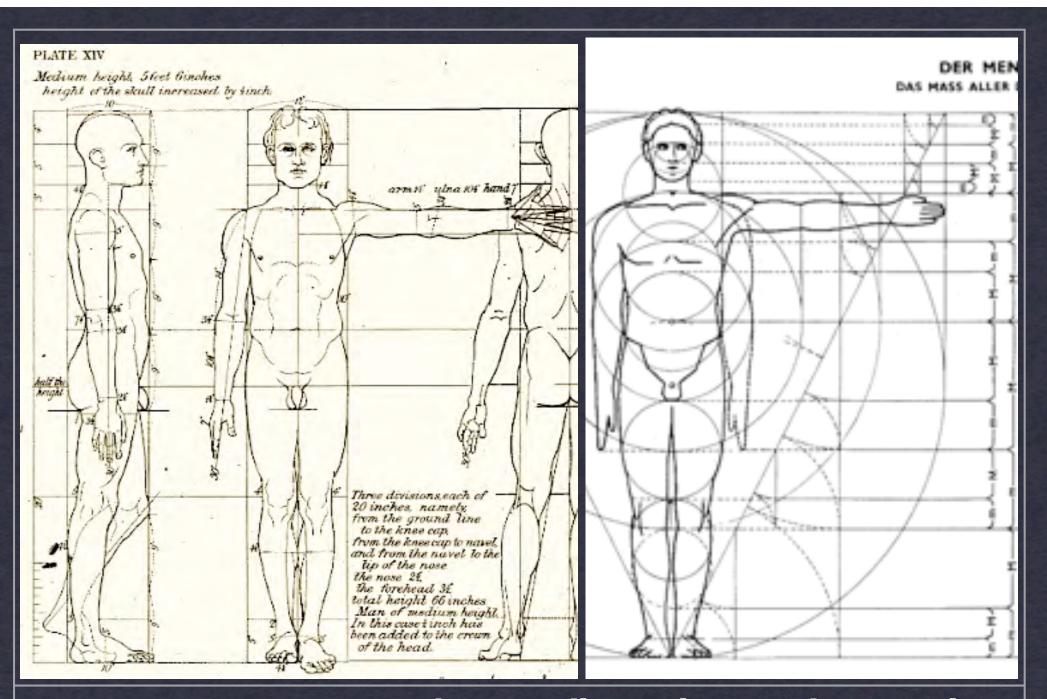


observing the world around us arch 1100 + 1140

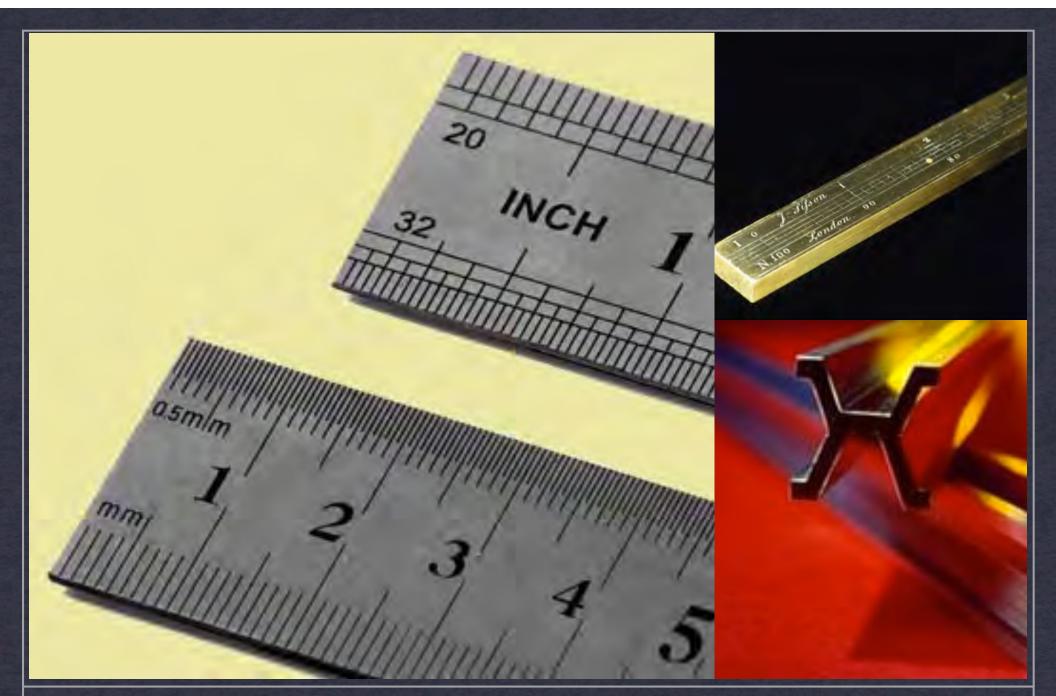


MEASURING THINGS professor Montgomery

human dimensions and proportions arch 1100 + 1140



MEASURING THINGShuman dimensions and proportionsprofessor Montgomeryarch 1100 + 1140



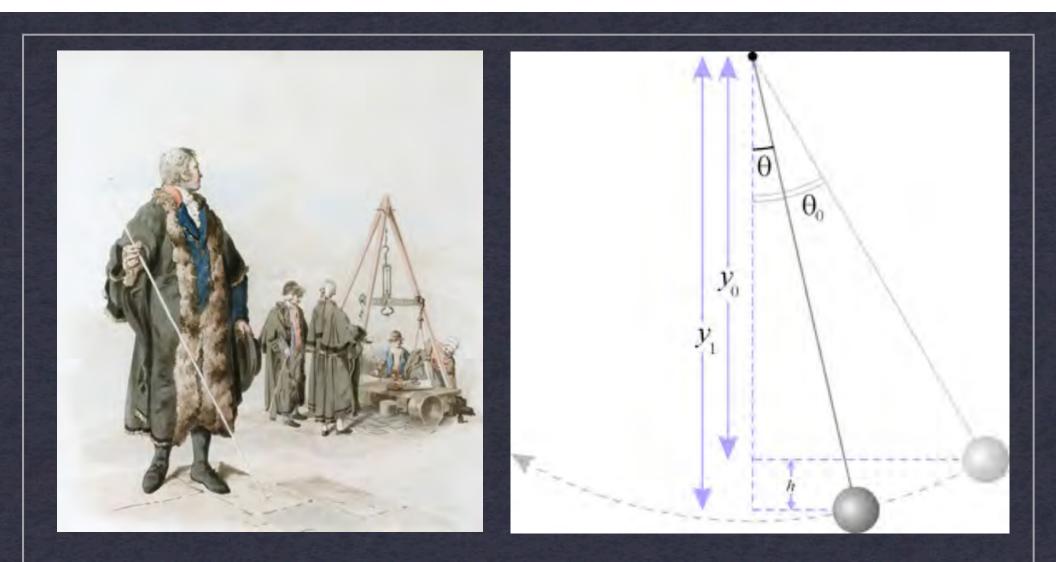
MEASURING THINGS

imperial and metric systems arch 1100 + 1140



MEASURING THINGS professor Montgomery

imperial and metric systems arch 1100 + 1140



Since 1983, one meter is defined as the distance travelled by light in vacuum in $\frac{1}{299,792,458}$ of a <u>second</u>.

MEASURING THINGS

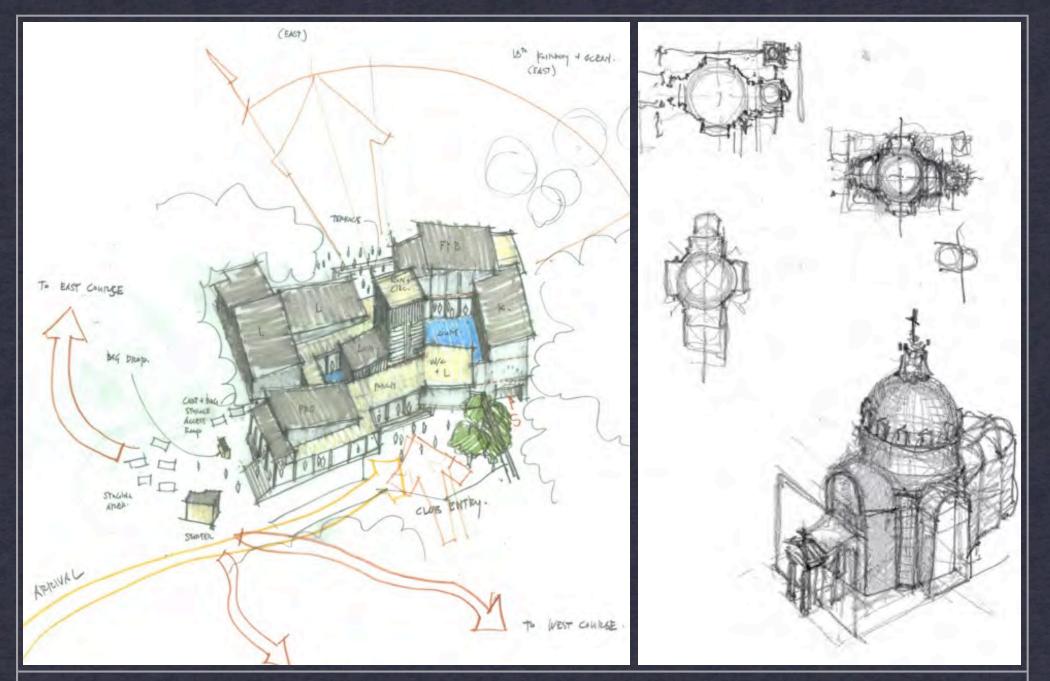
professor Montgomery

imperial and metric systems arch 1100 + 1140

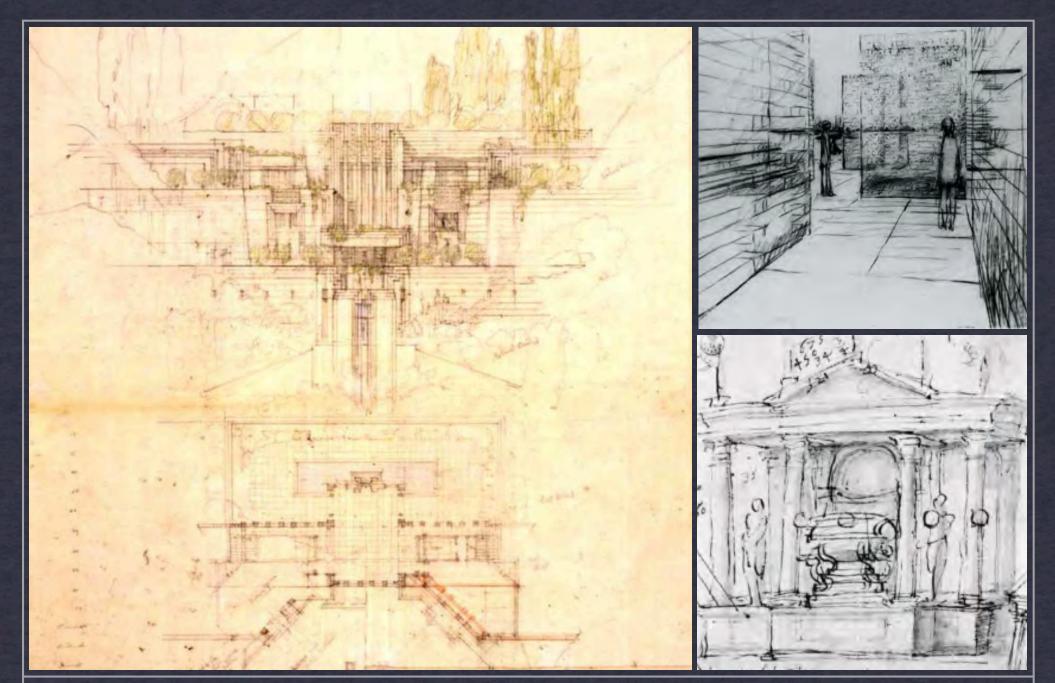


MEASURING THINGS

imperial and metric systems arch 1100 + 1140

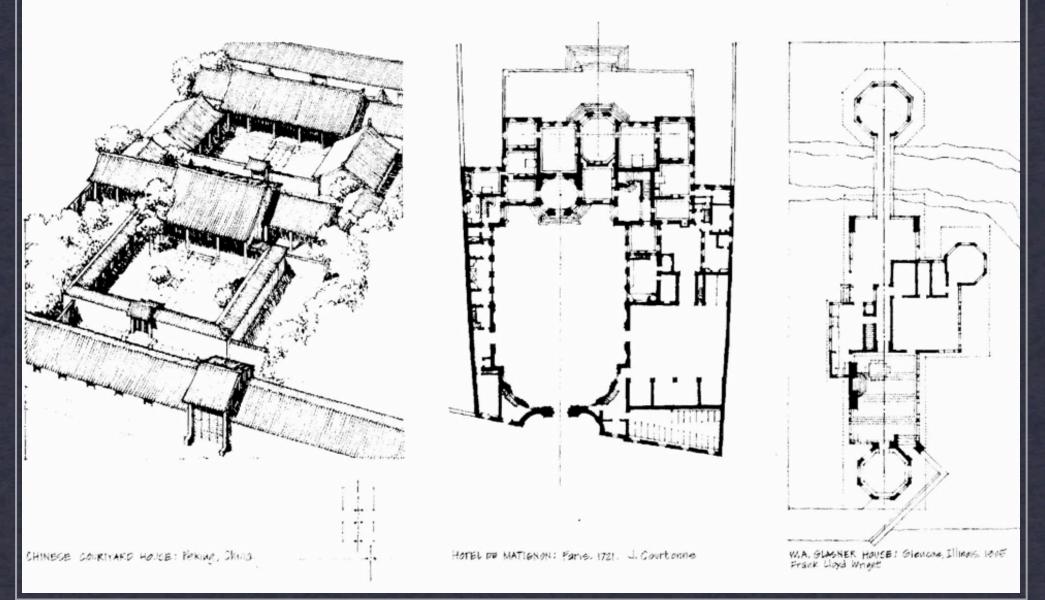


"idea" sketching - the parti arch 1100 + 1140



professor Montgomery

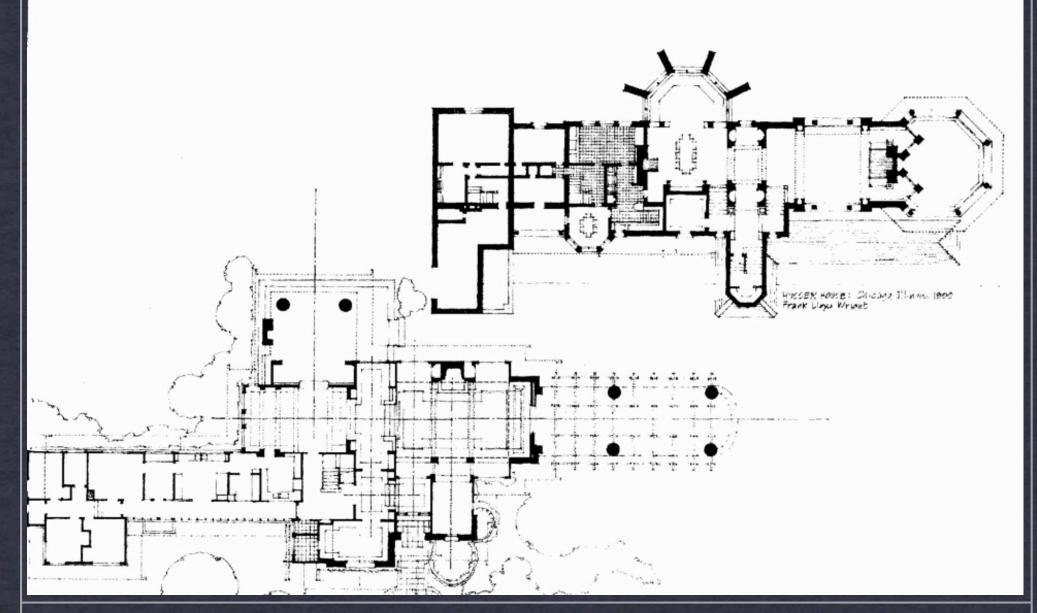
crafting ideas arch 1100 + 1140 AXIS



DESIGN AND DRAWING

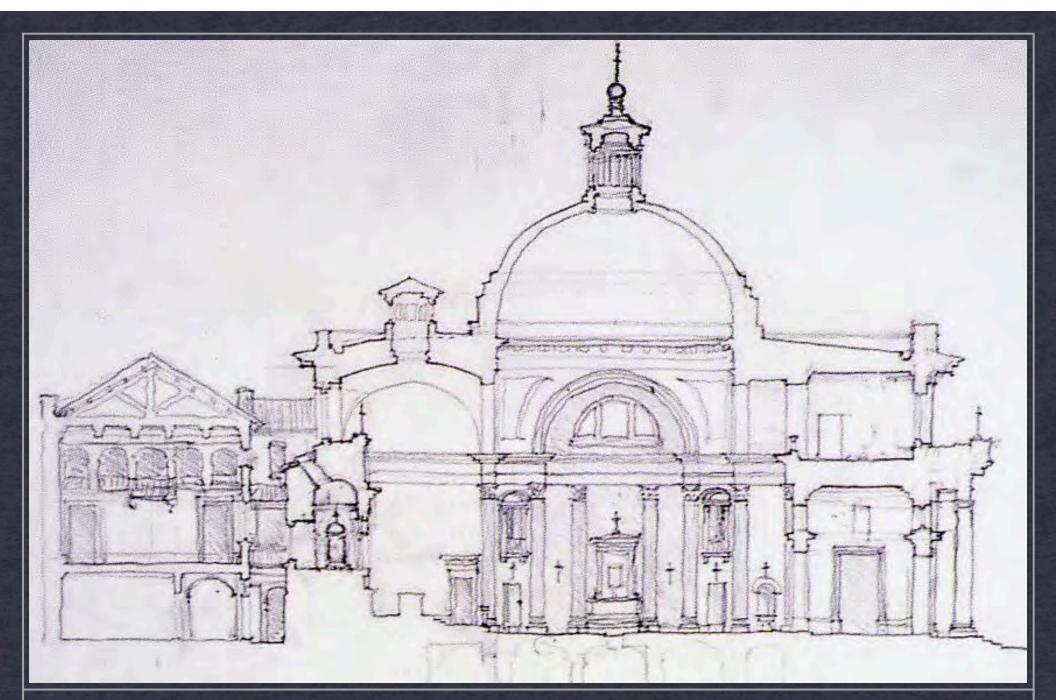
plans reveal organization arch 1100 + 1140

SYMMETRY

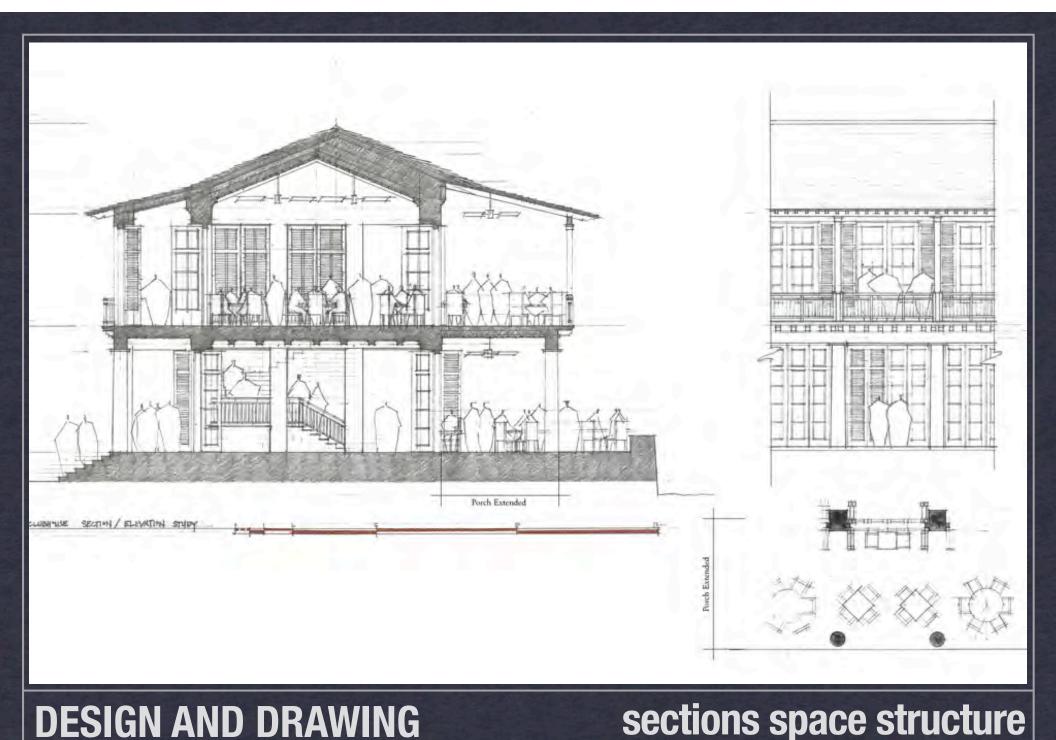


DESIGN AND DRAWING

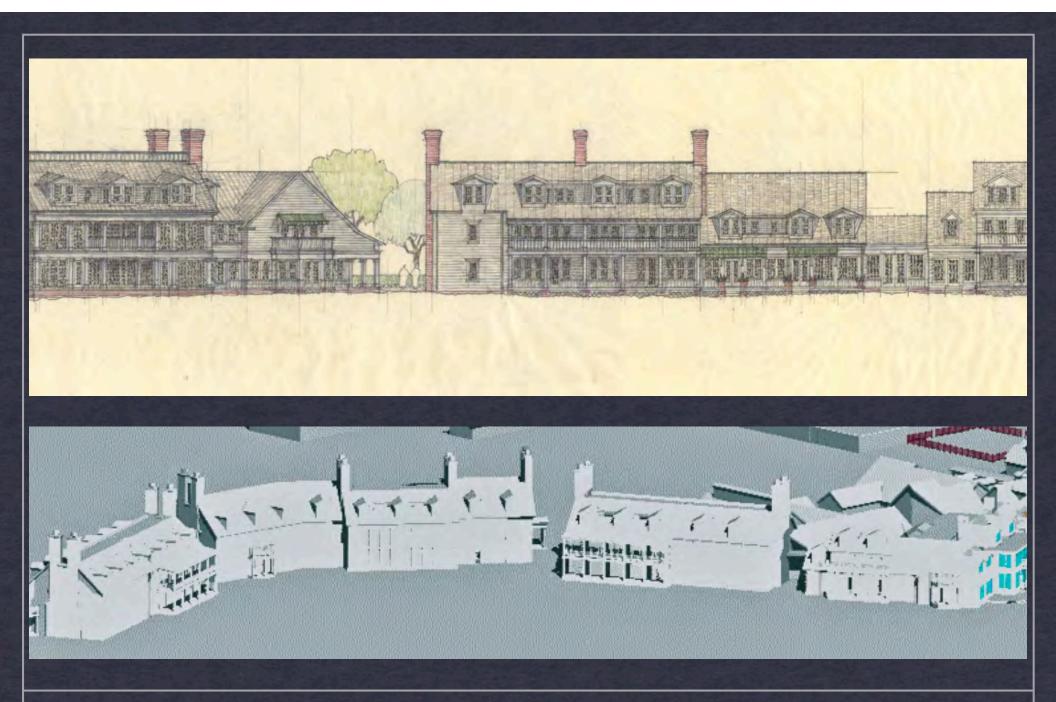
plans reveal organization arch 1100 + 1140



sections space structure arch 1100 + 1140



sections space structure arch 1100 + 1140



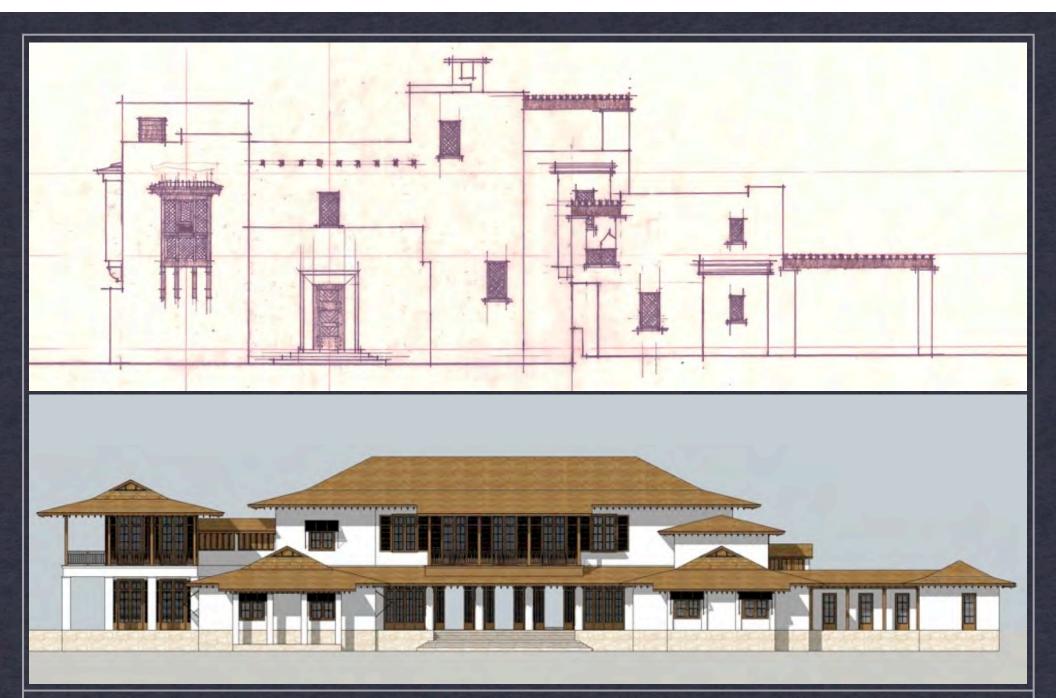
professor Montgomery

sketch drafting and modeling arch 1100 + 1140



professor Montgomery

working in context arch 1100 + 1140



professor Montgomery

drafting and modeling arch 1100 + 1140



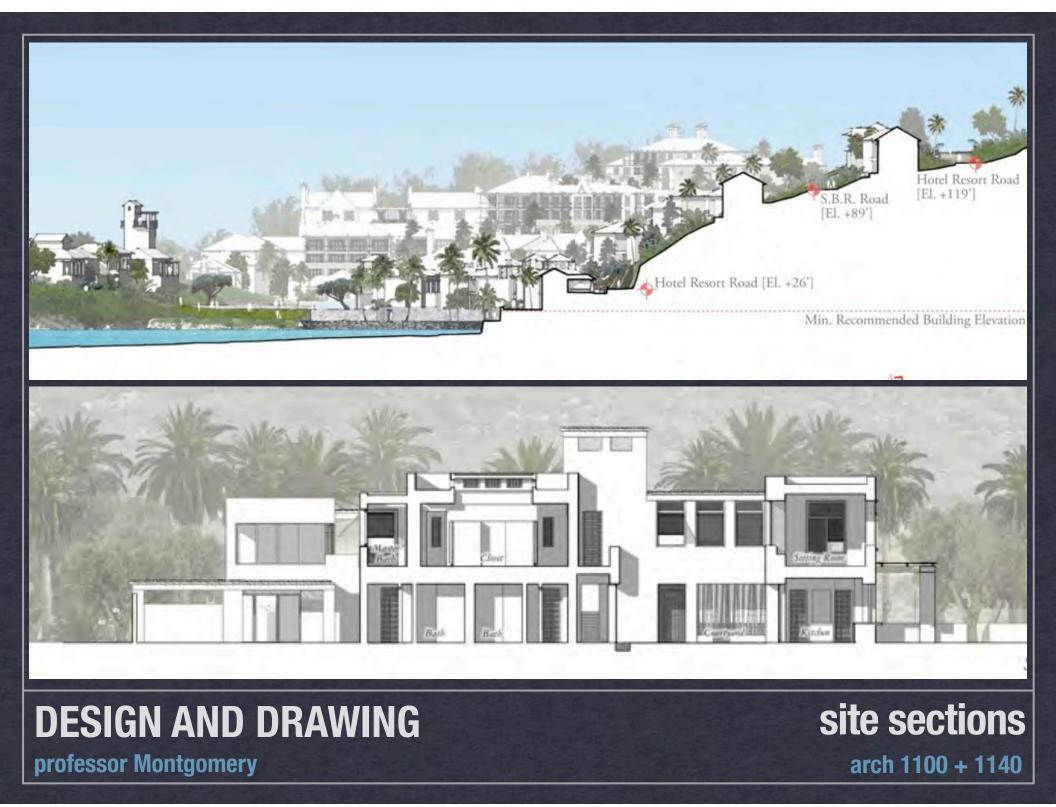
professor Montgomery

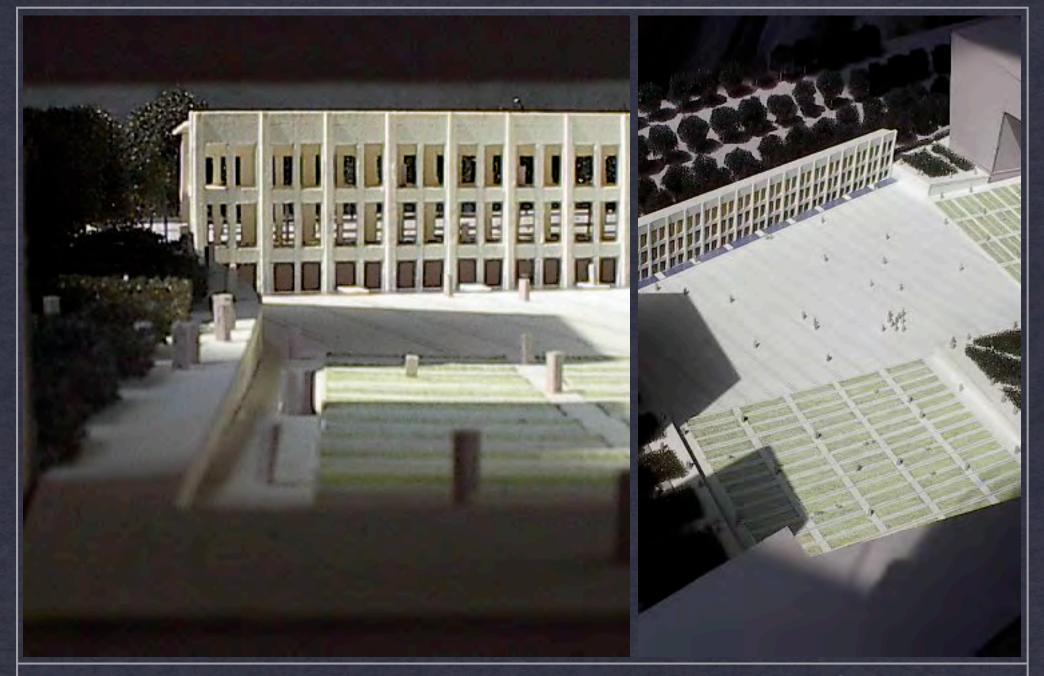
site elevations arch 1100 + 1140



professor Montgomery

perspectives arch 1100 + 1140





professor Montgomery

modeling for success arch 1100 + 1140



DESIGN AND DRAWING

professor Montgomery

modeling for success arch 1100 + 1140



DESIGN AND DRAWING professor Montgomery

crafting the details arch 1100 + 1140



DESIGN AND DRAWING

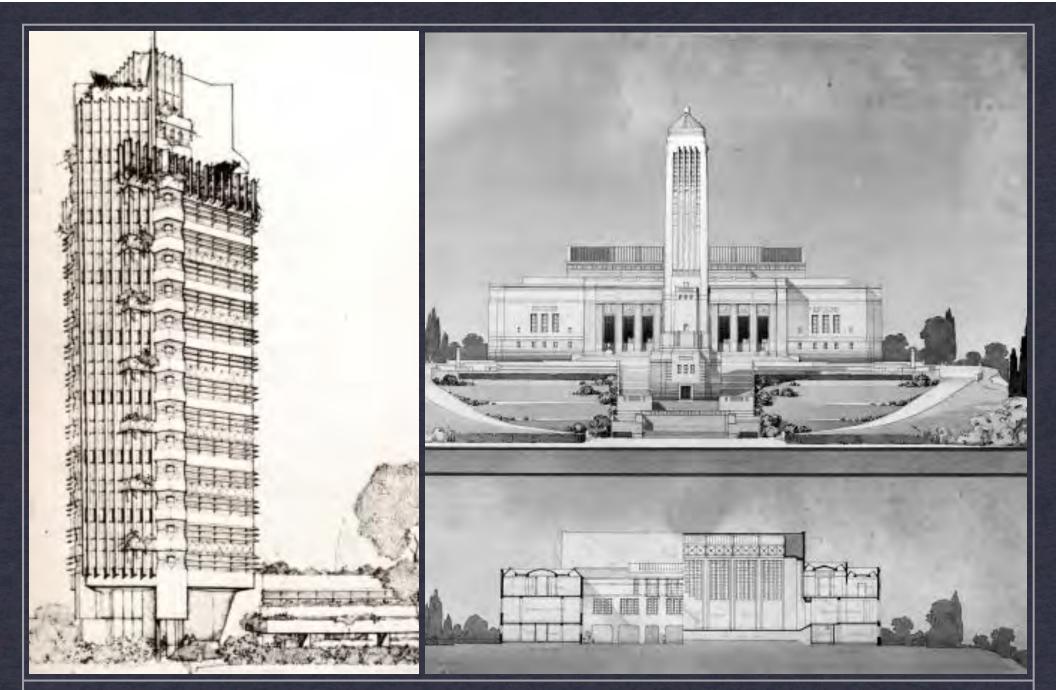
professor Montgomery

decisive design arch 1100 + 1140



COMMUNICATING DESIGN professor Montgomery

rendering to sell the idea arch 1100 + 1140



rendering to sell the idea arch 1100 + 1140

COMMUNICATING DESIGN professor Montgomery

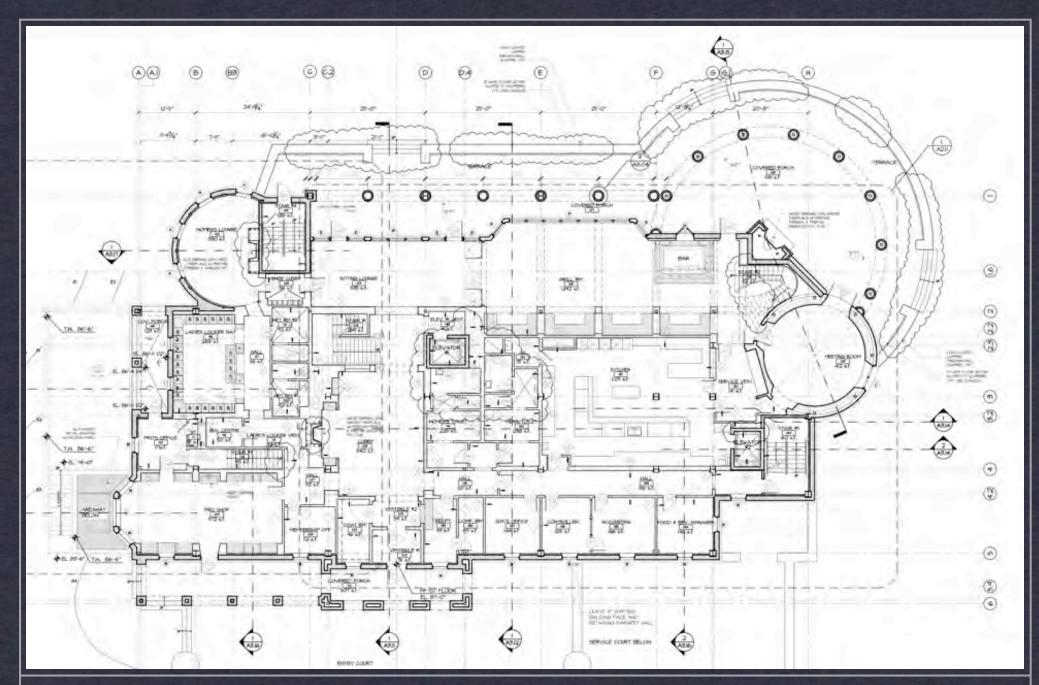


COMMUNICATING DESIGN professor Montgomery

rendering to sell the idea arch 1100 + 1140

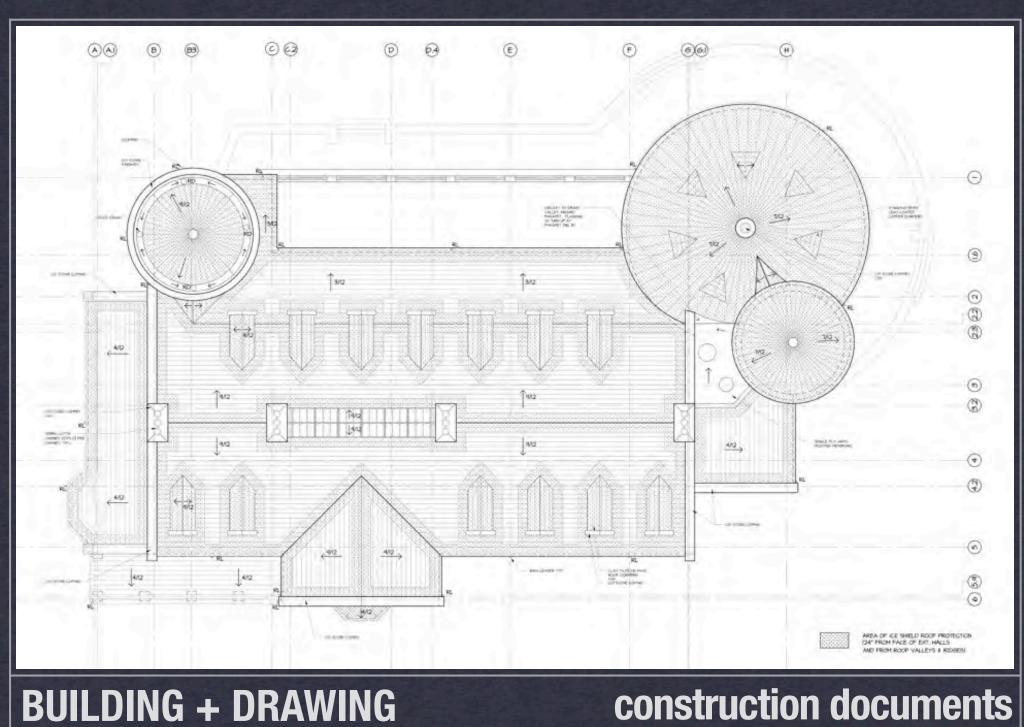


BUILDING + DRAWINGtranslating concept to constructionprofessor Montgomeryarch 1100 + 1140



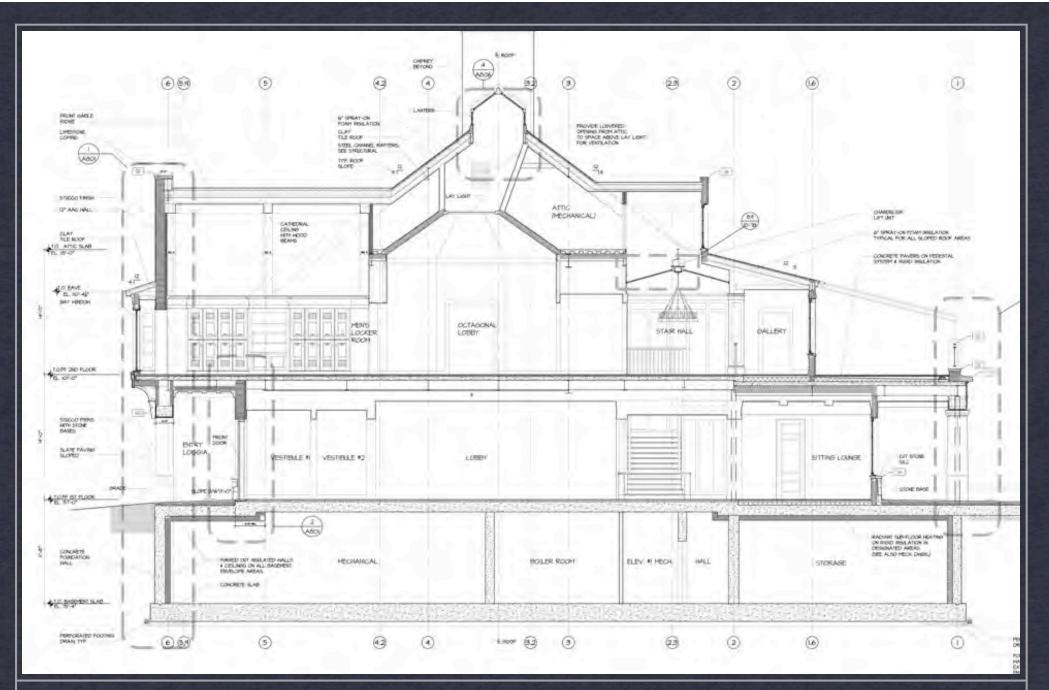
construction documents arch 1100 + 1140

professor Montgomery



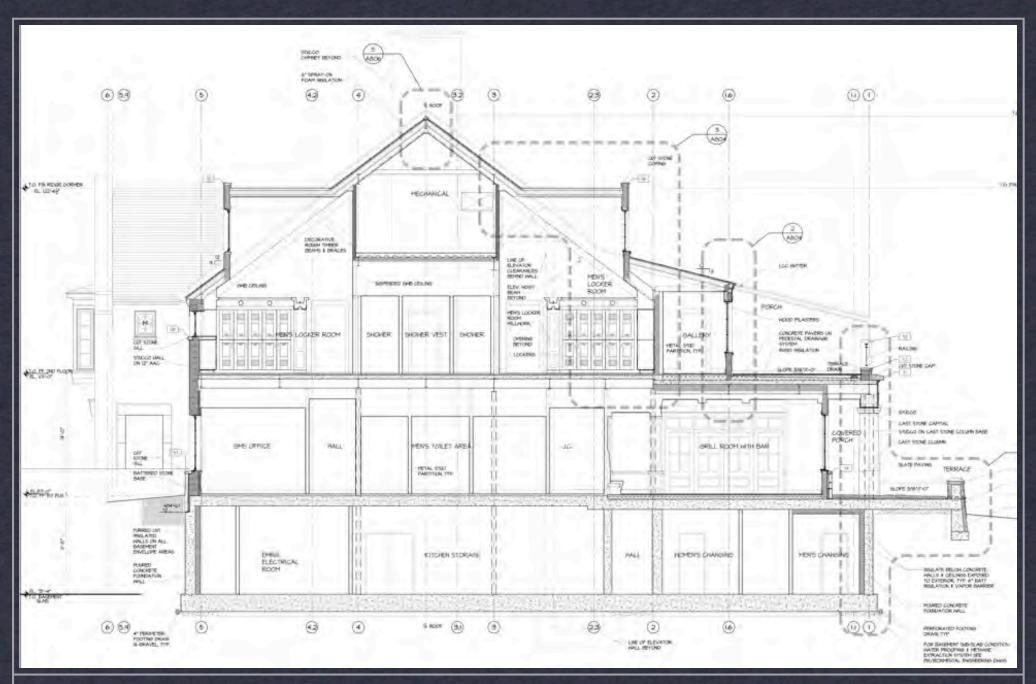
construction documents arch 1100 + 1140

professor Montgomery



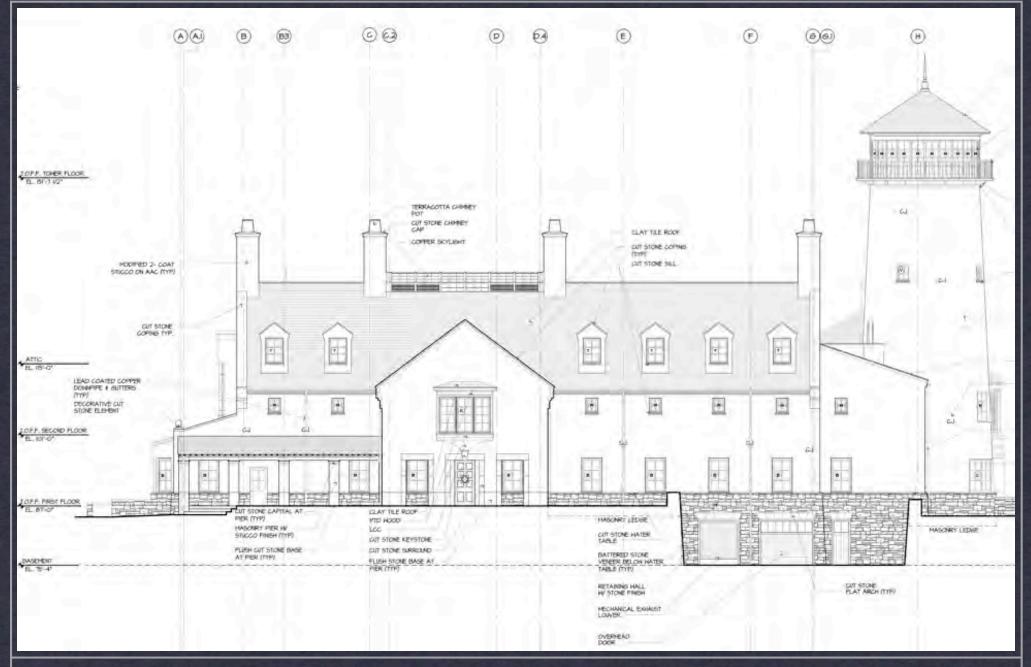
professor Montgomery

construction documents arch 1100 + 1140



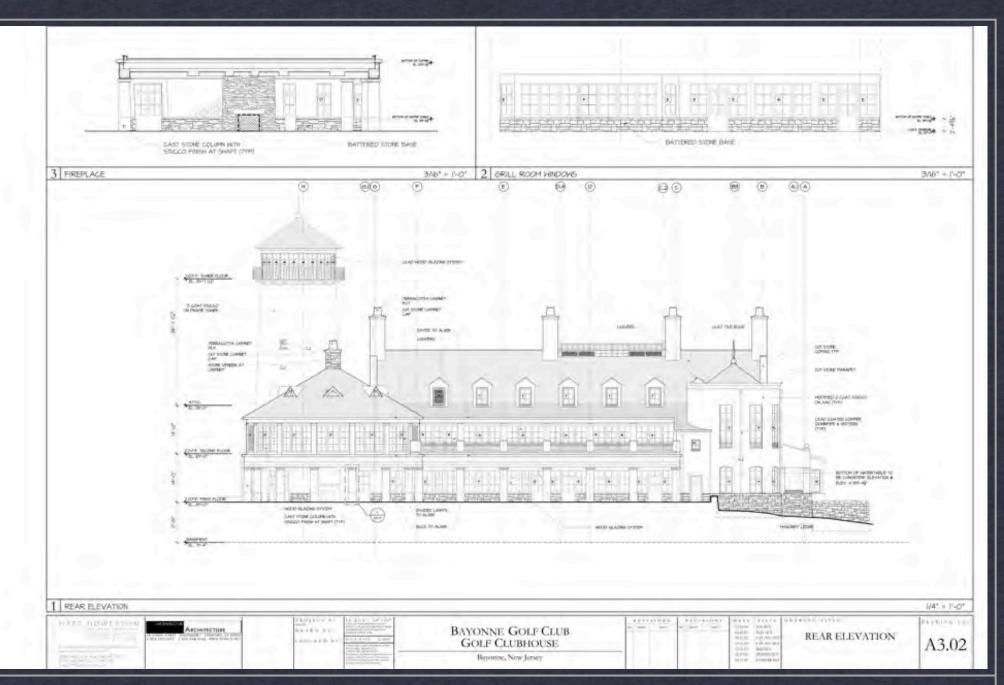
construction documents arch 1100 + 1140

professor Montgomery



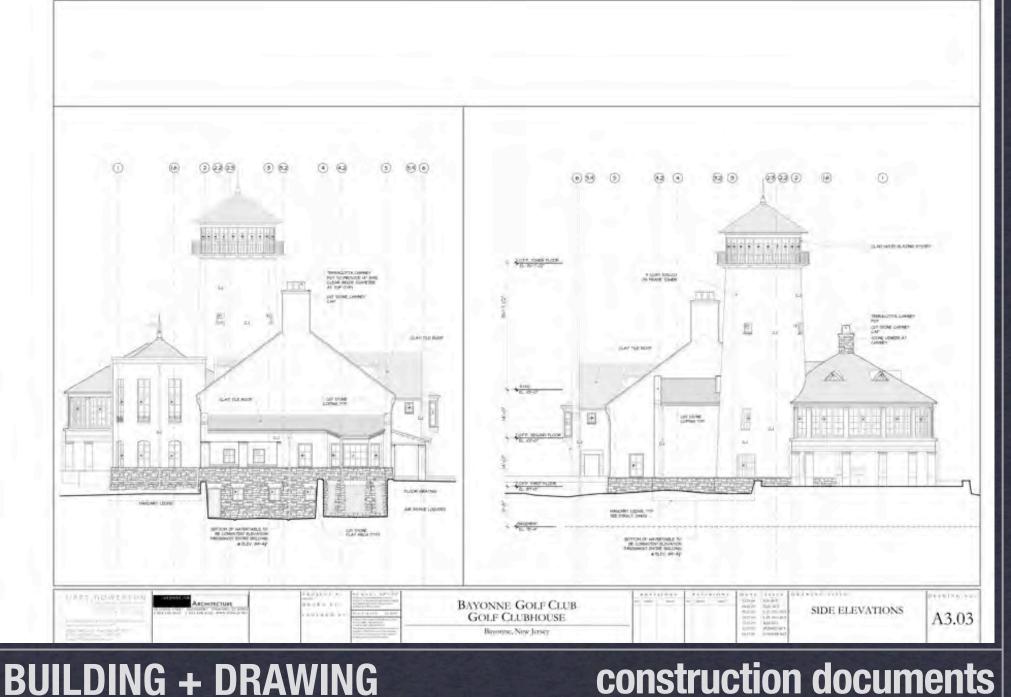
professor Montgomery

construction documents arch 1100 + 1140



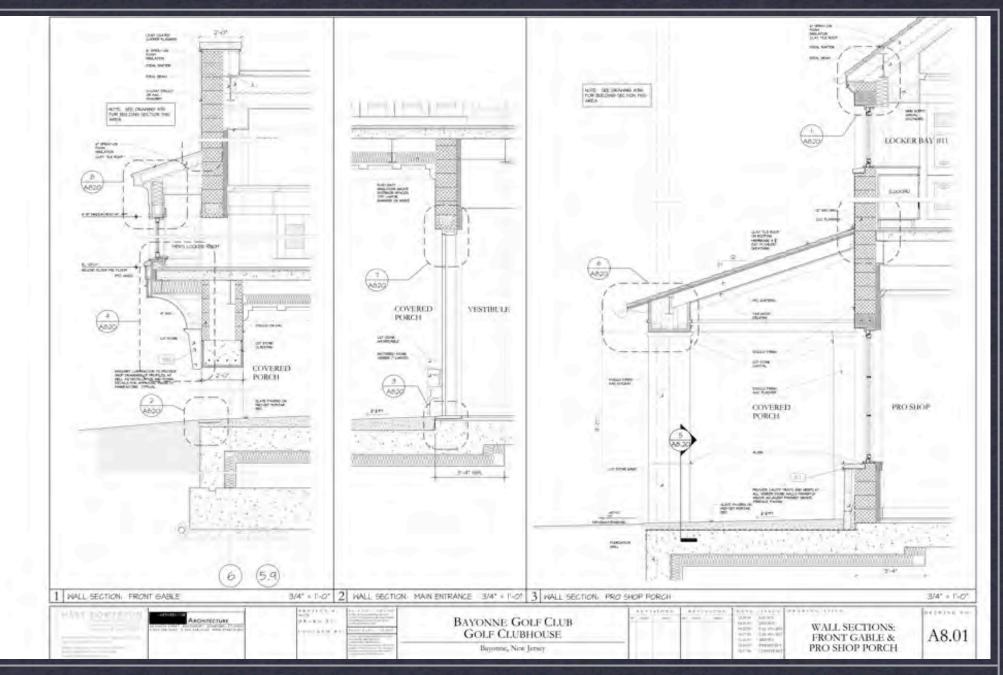
construction documents

professor Montgomery



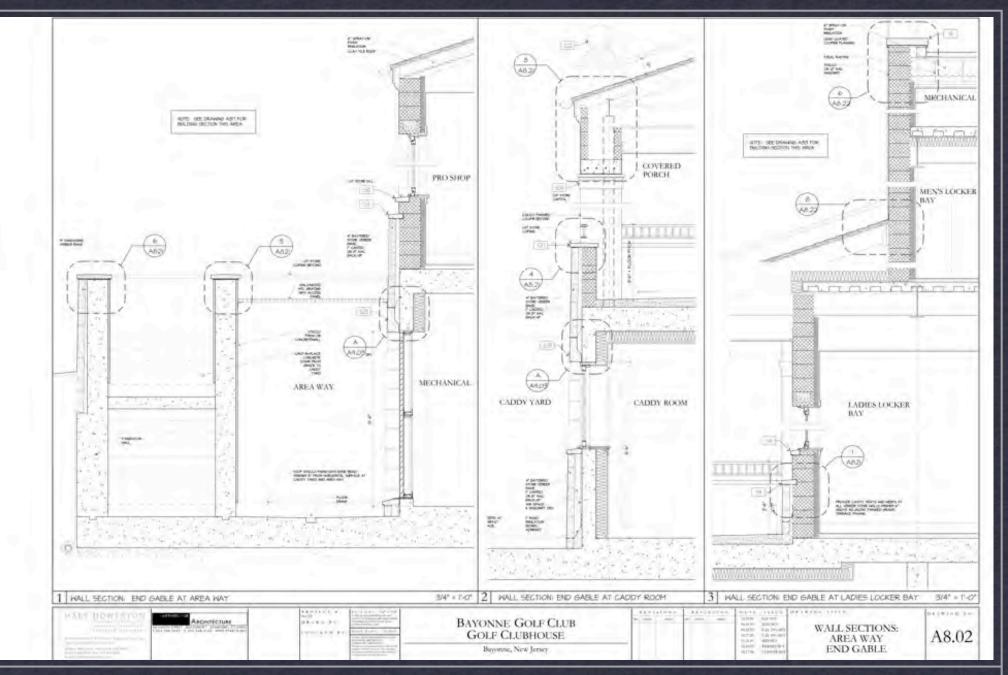
construction documents

professor Montgomery



construction documents

professor Montgomery



professor Montgomery

construction documents arch 1100 + 1140

	(All Control C	a verse verse) a verse transation trans
	SD-2 Control of the second of	SLO (Presidential States) I wany I many I m
	CRUID CRUID CRUID 1 <	e magi annaití e magi annaití
	014 91,4 11 ECCE 1 0000 10 5000 10 5000 1 0000 10 5000 10 5000 10 5000 10 5000 10 5000 10 5000 10 5000 10 5000 10 5000 10	RD_2 Second state SAM Constant Second state Second state Lower Second state Second state Lower Second state Second state Lower Second state Second state
	BILD LODGE Press Loberton I hour solar and the solar and	State State Data Interface Interface Interface
	1012 (1000) 1	TELEVICE AND
	99.7. • 2009 • 2009	match amplitie D200 V more
	1953 (AUSO I many trajutational 2 Automotive 1 Automotive 2 Automotive 1 Automotive 2 Automotive 1 Automoti	BLC REPORTED THE DATA DATA
	101.2 0000 4 molecular (1990) 5 molecular (1990) 5 molecular (1990) 1 molecular (1990) 3 molecular (1990) 4 molecular (1990) 5 molecular (1	All (2) Annumber (2010) All (2010)
	BLD CORP.	12.2 2000 (tor product. Data 1.2000 (tor product. Data)
Comparise AND TO All the company on the single-com- indextraining the prime com of the single-com- set of the company of the single-company of the com- set of the company of the single-company of the com- set of the company of the company of the company of the com- set of the company of the company of the company of the com- set of the company of the compan	Hell () () () () () () () () () (
ALART FLOWERTON Accession Acces		Door Elevations & A9.01

construction documents arch 1100 + 1140

professor Montgomery

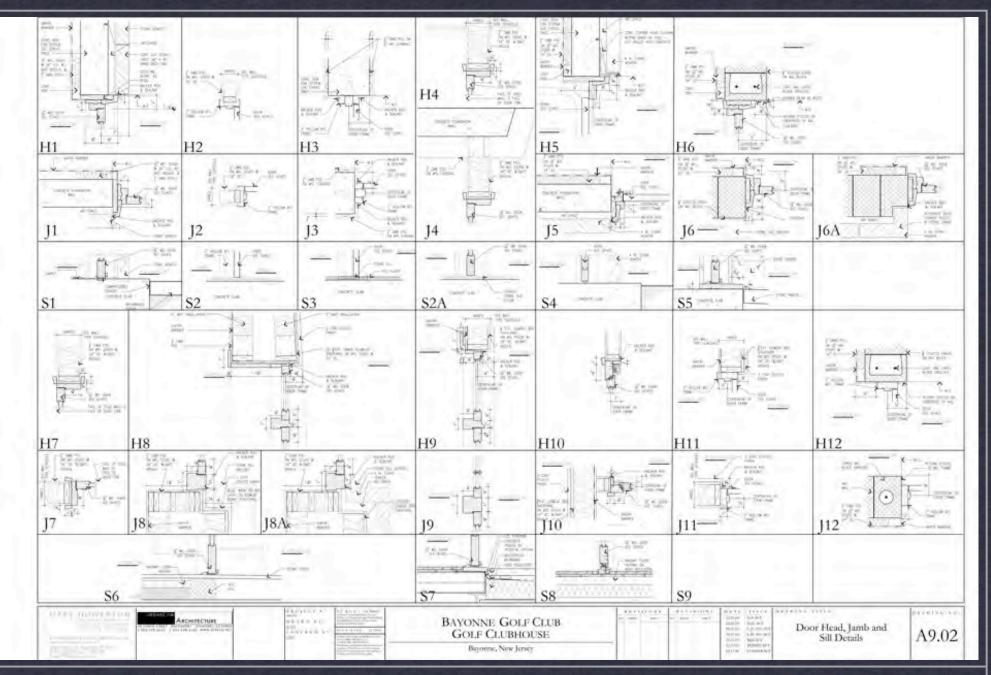
BUILDING + DRAWING

	KOR LOCA	THEN	1	RINE		1	TRAME C					OPNO	HILDWR			DOCA	TRON	DOUB					FRAME						HIRDNER		
Norm	008					THE	198	NUMBER	18	D	TABS	1181	311		0000	0.00		512E	1	PROP	RTIES		DIFLET			RTAR	5	1002	SET	RUMARES	
Name Name <th< th=""><th>1</th><th>PROM</th><th>40</th><th>anni wrh</th><th>_</th><th></th><th>-</th><th></th><th></th><th>_</th><th></th><th></th><th>RATING</th><th>NO.</th><th></th><th>100.0</th><th>1900</th><th>- In-</th><th>WITTER HT</th><th>THE</th><th></th><th></th><th></th><th></th><th>_</th><th>-</th><th></th><th></th><th>RATING</th><th>NU.</th><th></th></th<>	1	PROM	40	anni wrh	_		-			_			RATING	NO.		100.0	1900	- In-	WITTER HT	THE					_	-			RATING	NU.	
Norm Norm <th< td=""><td>10</td><td>570 m</td><td>DEARA TRU</td><td>1</td><td>6.35</td><td>1 100</td><td>1 100</td><td></td><td></td><td></td><td>1.1</td><td>panni and</td><td>14</td><td>1087</td><td></td><td>100</td><td>DALE OF</td><td>CAR MORTH</td><td>7.0 2.0</td><td>1111</td><td>0.000</td><td></td><td>1.00</td><td></td><td></td><td>1</td><td>1.1.1.1</td><td></td><td>NE</td><td>100.0</td><td></td></th<>	10	570 m	DEARA TRU	1	6.35	1 100	1 100				1.1	panni and	14	1087		100	DALE OF	CAR MORTH	7.0 2.0	1111	0.000		1.00			1	1.1.1.1		NE	100.0	
Number of the state of the				ine re	120	1 50	100		100		1	1 1	54.				India 111		Ter Air	101	-		10			1	1.0	7	1 wild		
			CARD TRO	70. 78	15			5	- MD T	51.1	1.1	1 1		. HWG-		128. 1			2.00 2.10	+75.	5	ND 117	. B.	144	. 112.	1.1.1		1.1.1		HW:	
				340.720	125	1. 110	1973		110	WL.	2.1	2	1116	1001		AB			Set Set	4.5	0.1	#10 - FT3	- H -		. HTL	inter-				. 115-5	
	112	01.400		1110 710	124	· 100	PTY 4	*	100	112	11	3. 3.	18	398.7		180			YP - 0	12	~ 1	10 9T-	19-	- ini-	47.1	1.	1.2.7	1.1.1	1.8	1150.00	
	100	and a second		12 22	100						-	- A	NE			191			12.347 .347	- 10-			- 10		100.5	1	-		718	1100	
				110 700	124				1871	1912	1	VIII	18			10				-		TH				BUNED.	-				
				28. 28.	1.15			1	1441	177.2	3.	A	NE	- P04.1					245 A.W	1.16	24	1111 1111	D D		PD2	1.1		1.	NB:	HINCE.	
Name Normal				10. 125	1.87			· . 8	, Mid	VII]	3.	3 3								_		310			10.12 -550	10012	0.00				1.1.1
Name Name <th< td=""><td></td><td></td><td></td><td>3.16. 1.256</td><td>125</td><td></td><td></td><td></td><td></td><td></td><td>1.</td><td></td><td></td><td></td><td></td><td>100</td><td></td><td></td><td>200 110</td><td>22</td><td>F. 1</td><td>194 971</td><td>P.</td><td></td><td>. 77.1.</td><td>1</td><td>- E -</td><td></td><td></td><td>119</td><td></td></th<>				3.16. 1.256	125						1.					100			200 110	22	F. 1	194 971	P.		. 77.1.	1	- E -			119	
Name Name <th< td=""><td></td><td></td><td></td><td>10 22</td><td>155</td><td>* 100</td><td>100</td><td>-</td><td>101</td><td>112</td><td>1.1</td><td></td><td>10</td><td></td><td></td><td>100</td><td>LAR VENT TO</td><td></td><td>10 100</td><td></td><td>-</td><td>10.00</td><td>1</td><td>204</td><td>1017</td><td></td><td></td><td>1.1</td><td>10</td><td>APRIL.</td><td></td></th<>				10 22	155	* 100	100	-	101	112	1.1		10			100	LAR VENT TO		10 100		-	10.00	1	204	1017			1.1	10	APRIL.	
Name Description Description <thdescription< th=""> <thde< td=""><td></td><td></td><td></td><td>210 100</td><td>1.54</td><td>7 80</td><td>192.1</td><td></td><td></td><td></td><td>10.0</td><td>2 2</td><td>1. K.</td><td></td><td></td><td>100</td><td></td><td></td><td>58 82</td><td>3.05</td><td></td><td></td><td></td><td></td><td></td><td>2</td><td>2.7</td><td>1.1</td><td>1.148</td><td></td><td></td></thde<></thdescription<>				210 100	1.54	7 80	192.1				10.0	2 2	1. K.			100			58 82	3.05						2	2.7	1.1	1.148		
Name Part Part <th< td=""><td>11</td><td>un persona</td><td>MATHSHID</td><td>4 TAR 1948.</td><td>1.59</td><td>7. 7.151</td><td>1.178.1</td><td></td><td></td><td></td><td>1E-1</td><td>2 2</td><td>NE</td><td></td><td></td><td>1.80</td><td></td><td></td><td>300 300</td><td>3.05</td><td></td><td></td><td>- A</td><td>340</td><td>512</td><td>197</td><td>1.1</td><td>1.1.1</td><td></td><td></td><td></td></th<>	11	un persona	MATHSHID	4 TAR 1948.	1.59	7. 7.151	1.178.1				1E-1	2 2	NE			1.80			300 300	3.05			- A	340	512	197	1.1	1.1.1			
Name Lange Lange <thl< td=""><td></td><td></td><td></td><td>318 74</td><td>LSer.</td><td></td><td></td><td>1.1</td><td>1410</td><td>112</td><td>3</td><td>18 0.9</td><td></td><td></td><td></td><td></td><td></td><td></td><td>247, 32</td><td>223.1</td><td></td><td></td><td>- P</td><td></td><td>19.2</td><td>. r.</td><td>Τ.</td><td>1.</td><td>28</td><td></td><td>3</td></thl<>				318 74	LSer.			1.1	1410	112	3	18 0.9							247, 32	223.1			- P		19.2	. r.	Τ.	1.	28		3
NUMBER LOUING LOUING <thlouing< th=""> <thlouing< th=""> <thlouing< td="" th<=""><td></td><td></td><td></td><td>2.10</td><td>1.347</td><td></td><td></td><td>-</td><td></td><td>121</td><td>1.0</td><td>3-2-</td><td></td><td>2983</td><td>-</td><td></td><td></td><td></td><td>14 14</td><td>22</td><td></td><td></td><td>B</td><td></td><td>. 11.2</td><td>£.,</td><td>1</td><td>1</td><td></td><td></td><td>-</td></thlouing<></thlouing<></thlouing<>				2.10	1.347			-		121	1.0	3-2-		2983	-				14 14	22			B		. 11.2	£.,	1	1			-
				13:21	04				100		-	-	12			- 101	21.118.114	19415-041-	100		-	at the	-	204	TT2	1	-	1			
MAXE	11	91-38	NULTRANSING A	11/2 12	175			1	1124		1	3 3	1.4			-				-	-	-	-				-	-			
	1	INTERNA.		2.54 14	15			- F	1154		10.1	A . A	54			261	1010101-001		10 30	1.0.1	4.1	131 111	1.0	3411	397.2		9.7			1805	
	13	121112		ne ne	0.79			0			-8	- A	5.8.	1192.10			0.01042.20	TERME	100 108	1.0			- C	TED		- 19		1	7.8	178.78	
Image: Normal provides and provide				120	122			2			1.1	23 . 7		HER				ter, 14748	18 182	15.			1		512		- 12	al.		1996/24	
NUMBER 101101 PORT 400 LAR NOT 10 ADD 1 NOT 10 ADD 1 <th< td=""><td><u>81</u></td><td>a DV/AR</td><td>STREET, MARKING</td><td>140 200</td><td>100</td><td></td><td></td><td>-</td><td>1151</td><td>111</td><td></td><td>A</td><td>58</td><td>300</td><td></td><td></td><td></td><td>N. DOM.</td><td>10 10</td><td>10.</td><td></td><td></td><td>A.</td><td></td><td>312</td><td>-</td><td>-</td><td></td><td>NE.</td><td>-10075</td><td></td></th<>	<u>81</u>	a DV/AR	STREET, MARKING	140 200	100			-	1151	111		A	58	300				N. DOM.	10 10	10.			A.		312	-	-		NE.	-10075	
			-	1000		the second s	the second se	111		-	-		-	-				M 142	240 500	100					197		-		NE		-
Date: Color	M	Willies.	PROPERTY.	100 1000	1.91				104	PIL	- A		14	0003				M. 181	212 22	15			- B.		W.I	- 0	4	1. 2	NE.		
MAXWE WALL		印刷板田	TIME	275 445	20	T 119	10.1		THE	91.2		3 2	- 12	398.2		- pr	100 B. (12)	111 1	2.45 14.0	1.00				101		54	24	NC	758	2.0.	I Sector Minister
Number Numer Numer Numer <td></td> <td></td> <td></td> <td>207 1.10</td> <td>1.56</td> <td></td> <td></td> <td>. 5</td> <td></td> <td></td> <td>1.1</td> <td>3. 3.</td> <td>. 14</td> <td>URBY 1</td> <td></td> <td>298</td> <td></td> <td></td> <td>2.92</td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NI.</td> <td>.5.1</td> <td>NI.</td> <td>NE</td> <td></td> <td>111001-0.00000000</td>				207 1.10	1.56			. 5			1.1	3. 3.	. 14	URBY 1		298			2.92	200						NI.	.5.1	NI.	NE		111001-0.00000000
				10 24	100			-		112	-b .	2 2		0.02.4		26		11912.2	10 10	N.M.		101 101 1	B	_	19.1	7	4			1003	
			EDADATI 11.1	19.00	124			-	1414	712	1	1 1	10	219.2		100	MARK OF	ATTIMAT	240 24	-			1 1		The later	1	- F.		58	100.0	
Normal biological processing			LR.YWY YRD.	102 42	1773	10 815	ALC 1		MD. 1	11.0.1	30.1	A	1.4		former and the	83	Are duty		247 24	100	1.1.1.1	ND- 111	B		111	10	1.1	1	ALC: N	100.0	
NUMBER NUMER NUMER NUMER <td>£.)</td> <td>OTHREE</td> <td>FRECKLAR!</td> <td>70. 20</td> <td>195</td> <td>·</td> <td>CIPTI</td> <td>- F</td> <td>1124</td> <td>212.7</td> <td>1.</td> <td>1 2</td> <td>10</td> <td>HAR</td> <td></td> <td>790F</td> <td></td> <td>100.1 (96</td> <td>1.16</td> <td>190</td> <td>1</td> <td>40. ST.</td> <td>B</td> <td>HM</td> <td>. 11.</td> <td>1</td> <td>1</td> <td>1</td> <td>T-B-</td> <td>HTT</td> <td></td>	£.)	OTHREE	FRECKLAR!	70. 20	195	·	CIPTI	- F	1124	212.7	1.	1 2	10	HAR		790F		100.1 (96	1.16	190	1	40. ST.	B	HM	. 11.	1	1	1	T-B-	HTT	
NUMBER NUMER NUMER NUMER <td>81</td> <td>Cheff.</td> <td>PUBLICAN</td> <td>13 F.W. 1989</td> <td>1.55</td> <td>18</td> <td>177.1</td> <td>. 7</td> <td>1111</td> <td>112.1</td> <td>1.</td> <td>3.1.3</td> <td>NE.</td> <td>1000</td> <td>NAME & DECOME</td> <td>111</td> <td>11.81.1.36</td> <td></td> <td>230 100</td> <td>12.1</td> <td></td> <td></td> <td>11</td> <td></td> <td>PV2</td> <td>2</td> <td>1</td> <td>1.1</td> <td>NE .</td> <td></td> <td></td>	81	Cheff.	PUBLICAN	13 F.W. 1989	1.55	18	177.1	. 7	1111	112.1	1.	3.1.3	NE.	1000	NAME & DECOME	111	11.81.1.36		230 100	12.1			11		PV2	2	1	1.1	NE .		
Difficiency Difficiency <thdifficiency< th=""> <thdifficiency< th=""></thdifficiency<></thdifficiency<>		_	-		-	_	-		-	-	_			-		nh.	MAT. IL GR		100 112	1427			1.1		31.1	1.57	-	0	DE.	OTHER .	
Bit of the state in t	12	NY 191	VINC NO.	1 20 100	100	11. 1 10.00	1 100 1	-	100	20.1	-	-	100	100.11	-	1000		DALLA.	210 000	1.10				- W1F		3.5	NI	No.	SE.		THEFT AND ADDRESS OF
Bit of the state in t	ti.		Fridg 14 104	1.78 190	111			1	100	111	1.	10.144	18			118	and an a risk	100.00	247 24	100	-	GL. FROM	NA I	124	74.4	NL	No.	NL	-2(E	100	Charles on Cold States of Cold States
marrie propund in the started in th				10 20	1.15			5.	-510	31.1	. b	6764 4	- 52			217	10120304		2.07 50	14.87	- T- 1	GL . 188	18.0		N1.	NO.	1.0	344	NE	30	1.1.1
Distance				distant the	625			-47			×	ALCAN S		1016.14		201			200 1000	1.65		11. J.W.V	144	. 44		\$4	- 51	N8.			THE SECTION INCOMES
(ardsoc (brack)) (brack)				100 T.C. 1	1.23			-	10	11.18	5.	6/54 4	58.	0.000-1		intro internet		POLICE	100 100	1.41	-	4D 40.1	- D	101		1	1	1.00	7.8	1Fart	-
max m				Nor Har	1.35			7	100	411	-					144		ALL BOWING	100 100	-	-	111 111	ALC: NO			ALC: Y	11.000	1	AL.	110.0	THREE PORTAGE INTERNAL PROPERTY AND
Vorticity				10 20	6.0	3 80	1 47 1	1.	100	111	5	8/53 4	NR.			itle	HALL SHE	11111.200	10 100	- 22	1	CD 971	10				1 70.00	1.1	748	1980	
Vorticity				28. 595	15.	3		1		31.1	1	67.60.	58	HR3		1235	1040.1(1	W. D. SLOTT	50 50	122				SEM	112	1.		1.1.1	NE:		
During destination 2 / 2 / 5 / 4 / 4 / 5 / 4 / 4 / 5 / 4 / 7 / 5 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7			A AMA NULLER	45 14	178.			24.5	300	311	1.1	1. 1.	- 31		WWWWWWWW	.246			100 100	AM -			- B.				1	1. A	NE	100.0	1 m 1
$ \frac{1}{10^{11} \text{ min}} = 1$			BURNESS [10]		102						2.	7 7		179.12	Participation and the	117			100 100	1.91						1.	1	1.1	7.8	1041	
Date way with the operation of the date way way with the date way			LIATE LD	80 000	100			-		212	-					100		VIN ST	100	100	-		1		317		-		50	1790.00	
Multiple			LER VEST OF	510 1000	1.0			3	1990	117	10	-				.787			100 100	100	1	10 00	10		10.1	1		1.1	NE.		
MULTAR Walk 101 OV PV	÷L.	MJ.548	and the second se	2.119 9.00	2.05	1	812	A. 1	1011	347.0	11	-	5.8	NE44.		2.11		REAM INC.	100 184	121	. 34	1171 1211	1.5	2411	197.2	1.		1.1	1.110		
UNLAR NUME NO NUM NO NUME NO NUM NO				14 145	LBD	8 . 713	.W3	1.04		2111	T	- 2	1.4		· · · · · · · · · · · · · · · · · · ·	101			34 52	-52			- 15 -		10)			1	58		
Part DLUIT VPC Part DLUIT Part				236 636				2.			-					. 700 .			14 30	100	11	40.511	- 10		341		4	- 1-		-IW-	-
Bit 100.11 CY 10 ² Ci 10 ³				10. 100	1.10						-		5.2			100	VERILIT.		1000	-		THE ATE	-	- 2014	The second		-	1	1100	1141	
Nummer 217 218 1 81 1 81 1 10				1712 22	1.347			-1-1			3.1	31.3		200		24	ADADATE -		20 100	14			1.0-		TU	1	1	1.1			
We note in note: 2 n/2	ħ.	N THEFT		1. 2.10 . 1.2.1	1.56	7. 1761	87.1		-1154	112	1	2 2	NB.								2	-	1		-		- 20.0	1000	100000	-	
MAXWARDARIAN MP 10 100 MP 10 100 MP 10 100 </td <td></td> <td></td> <td></td> <td>247 24</td> <td>1,017</td> <td></td> <td></td> <td></td> <td>-1470</td> <td>21.2</td> <td>T</td> <td>2 9</td> <td>12.</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>206 205</td> <td>211</td> <td>100</td> <td>ona (Pro</td> <td>- P</td> <td></td> <td>REL</td> <td>15</td> <td>11</td> <td></td> <td>78</td> <td></td> <td>11</td>				247 24	1,017				-1470	21.2	T	2 9	12.		1				206 205	211	100	ona (Pro	- P		REL	15	11		78		11
Arcsertenue		the later handler and	1	1 740 1820	1.12			- A.			100		30		IN SUB-ITERS OF BUILDER	_			12 12	2	-	104 1771	5		1911	12	12	×	74E		
Concession Target Set Concession Concession <td></td> <td></td> <td></td> <td>215 22</td> <td>124</td> <td>8 104</td> <td>1011</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>- 104 - 5-</td> <td>1.8</td> <td></td> <td>C. DOODS DOCK MARKED</td> <td></td> <td>ATTR:</td> <td>THE RESIDENCE</td> <td>15 12</td> <td>100</td> <td>-</td> <td>104 271</td> <td>1</td> <td>104</td> <td>PLI</td> <td>1.0</td> <td>-</td> <td>-</td> <td></td> <td>1000</td> <td></td>				215 22	124	8 104	1011	-			-	- 104 - 5-	1.8		C. DOODS DOCK MARKED		ATTR:	THE RESIDENCE	15 12	100	-	104 271	1	104	PLI	1.0	-	-		1000	
MILLION Output of the first is an off is in off is			DAME TRO	10 10	1.75	7. 80	1111		1124		1.	7 7	1.0	UTRIA'			ABRE	HOWATE :=	19-122	-	-	201 211	1.2		PL	-	-	-	SE		100 100 100
AND	÷1	10.10	RADORT 18*	147 747	1.11	7 A15	F. 97.1				.P	2.2	5.4. C	11104		1000	Carrier and	and the		-		Sec. 123	1						-		AUAAST.
Accelerate Marchanger Marcha				10 20	175-					PT 3	11	- H - L - H -	S.R.				_	-		_		-			_		-				
Arcentrust Arcent	ŧĽ	M.1.10	NOCALC DV	14. 14	1320	. 517	187.1	1	11/1	112	1	1.1	1.8	1004	-	-				-	-		-	-	_		-	-	_		-
Arcentrust Arcent	÷	-	-		-+-	-	+ +		-	-			-	-				-		-		-	-	-	-	-	-		-	1 mar 1	
Arcentrust Arcent	E				-	-	1 1	-	- +	-											1	-	1		-					<u> </u>	
Arcentrust Arcent	1										-									_											
Arcentrust Arcent	5	10																													
Arcentenar Arcentenar GOLF CLUBHOUSE Door Schedule A9.																															
GOLF CLUBHOUSE Door Schedule A9.										0.0.1		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			BAYONNE	GOL	CLUE							100	1211	10	110-	()	-		14+1111
				Carls renormality		and was if	11.9 0			7.000	444	11 100.00	1.0.64											-9.610	241.000			Do	ar Sela	odule	10
Broone, New Joney							_			-		1			GOLFUL	1. DIT	10ab							-	in the second se			C.A.A	a scat	-nations.	149.
							- 1			1		Tailor State	and the second se		D	Sec. 1. 4 .	-							1.0.000	10000	10 C					and the second second

construction documents

professor Montgomery

BUILDING + DRAWING



construction documents

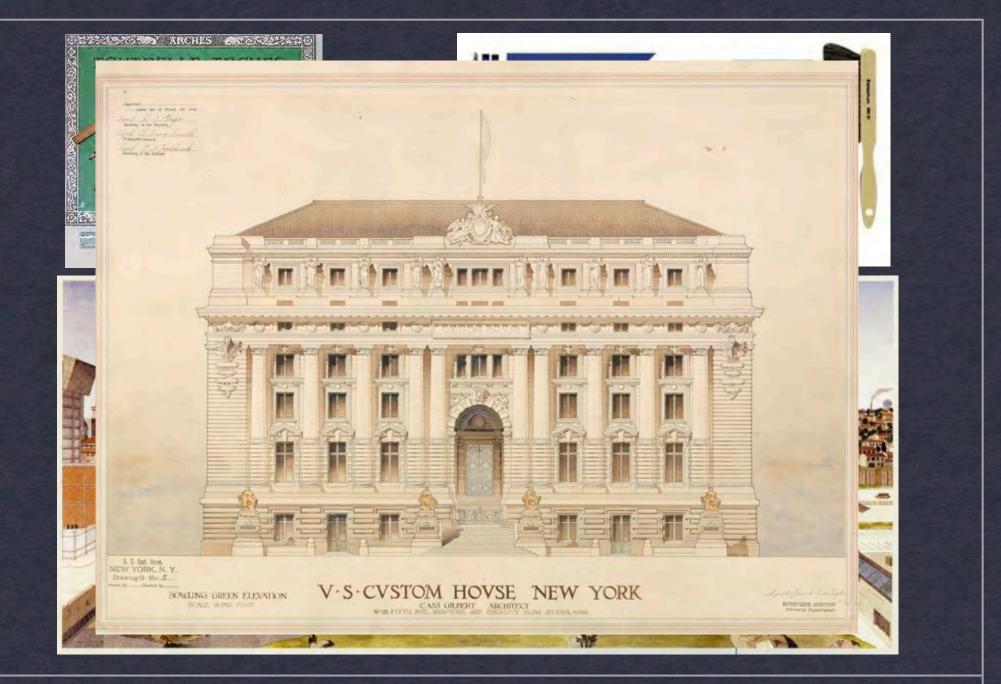
professor Montgomery



ARCHITECT'S TOOLS

professor Montgomery

drafting by hand arch 1100 + 1140



ARCHITECT'S TOOLS

professor Montgomery

drafting by hand arch 1100 + 1140



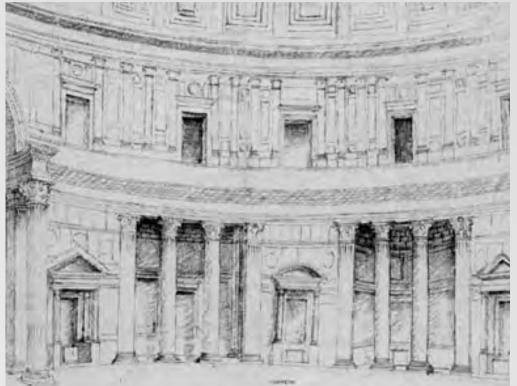
ARCHITECT'S TOOLS

professor Montgomery

digital tools arch 1100 + 1140

wrap up

DRAWING ALLOWS ARCHITECTS TO TEST IDEAS, TO DEFINE THE SCOPE OF WORK, TO SELL THE IDEA TO THE CLIENT + THE PUBLIC



- # drawing + thinking freely - lines are schematic
- * precision when drawings are legal and contractual
- * must determine the purpose of the drawing
- good drawings start
 with careful
 observation
- * artistic versus mechanical

professor Montgomery