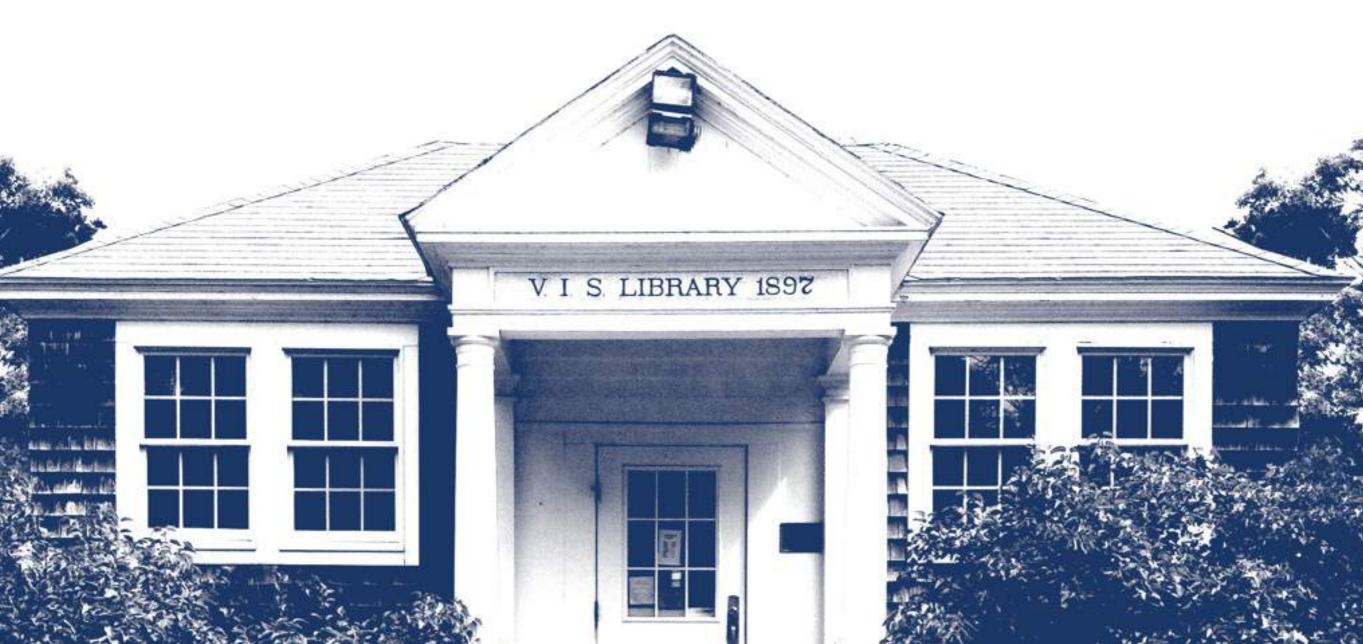
Eastham Public Library

Eastham, Massachusetts

Project Meeting #16
May 29, 2014

Oudens Ello Architecture



Eastham Public Library

Cost Estimate Comparison

May 26, 2014

	Description	100% DD	75% CD	Adjustments	+/-			DD Trade	CD Trade	
\10	FOUNDATIONS									
110	Stnd. Foundation	91,803	103,336		11,533	ł	A	430,000	413,269	(16
	Special Foundations		-		11,000	l	 ^ 	430,000	410,200	(10
	Lowest Floor Construction	128,197	131,670	18,885	3,473	8				
20	BASEMENT CONSTRUCTION					l				
	Basement Excavation	68,425	58,545		(9,880)	1				
	Basement Walls	141,575	119,718		(21,857)	1				
10	SUPERSTRUCTURE					l				
	Upper Floor Construction	153,054	153,037		(17)	1	В	1,405,000	1,369,559	(3:
	Roof Construction	246,946	246,216		(730)					
20	EXTERIOR CLOSURE					l				
	Exterior Walls	294,000	268,691	(13,650)	(25,309)	1				
	Exterior Windows	398,500	383,734		(14,766)	1				
	Exterior Doors	32,500	28,675		(3,825)					
30	ROOFING					1				
	Roof Covering	280,000	289,206	(25,062)	9,206	2				
	Roof Opening	-	-		0					
10	INTERIOR CONSTRUCTION					1				
	Partitions	192,000	226,880	5,000	0.1,000	9	С	894,900	887,278	(
	Interior Doors	71,300	78,325	5,500	7,025					
	Millwork	223,600	155,632	(23,250)	(67,968)	3				
20	STAIRCASES					1				
	Stair Construction	20,380	10,000	(5,000)	(10,380)	4				
	Stair Finished	14,620	14,620		0	l				
30	INTERIOR FINISHES									
	Wall Finishes	40,062	46,449	8,100	6,387	11				
	Floor Finishes	176,203	187,070		10,867					
	Ceiling Finishes	156,735	168,302	5,995	11,567	12				
10	CONVEYING SYSTEMS									
	Elevator	90,000	90,400		400		D10	90,000	90,400	



D20	PLUMBING					1
	Plumbing	245,000	321,369		76,369	l
						ĺ
D30	HVAC					ĺ
	HVAC	730,000	784,183		54,183	
D40	FIRE PROTECTION					
	Fire Protection	170,000	151,076		(18,924)	
D50	ELECTRICAL					
	Service & Distribution	169,172	177,957		8,785	
	Lighting & Power	265,745	255,273	(49,000)	(10,472)	5
	Communications & Security	75,523	106,152		30,629	
	Other	36,560	36,261		(299)	
E10	EQUIPMENT					
	Equipment Gen.	7,000	11,000	5,000	4,000	13
E20	FURNISHINGS					
	Fixed Furnishing	13,000	46,236	(11,100)	33,236	6
F10	SPECIAL CONSTRUCTION		-			
	Special Construction	-	-		0	
F20	SELECTIVE BLDG. DEMOLITION		-			
	Demolition	10,000	10,000		0	
	Abatement	15,000	-		(15,000)	
G10	SITE PREP / DEVELOPMENT					
	Site Prep / Development	182,700	245,690		62,990	
G20	SITE IMPROVEMENTS					
	Site Improvements	361,763	376,032		14,269	
G30	CIVIL / MECH UTILITIES					
	Civil / Mech. Utilities	309,000	433,113		124,113	
G40	ELECTRICAL UTILITIES					
	Electrical Utilities	86,700	90,900		4,200	
DIREC	T COSTS	5,497,063	5,805,748	(78,582)	308,685	

245,000 321,369	76,369
730,000 784,183	54,183
170,000 151,076	(18,924
547,000 575,643	28,643
7,000 11,000	4,000
13,000 46,236	33,236
	(
25,000 10,000	(15,000
182,700 245,690	62,990
361,763 376,032	14,269
	04.446
309,000 433,113 12	24,113
00.700	4.000
86,700 90,900	4,200
	.00.00=
5,497,063 5,805,748	08,685



Z10	MARK UP			
11%	General Cond.	604,677	630,000	
1%	General Requirements	61,017	64,357	
2.25%	Insurance / Bond	138,662	146,252	
0%	Permit (by Owner)	-	-	
2.50%	Fee	157,535	166,159	
INDIRE	CT COSTS	961,892	1,006,769	
SUBTO	TAL INDIRECT/DIRECT	6,458,955	6,812,517	

Design / Pricing Contingency	322,948	34,063	(69,376)	
Escalation	-	-		
Construction Contingency	-	-		
ESTIMATED CONTRACT AWARD	6,781,903	6,846,580		64,677

Notes on Adjusted Amounts:

- Eliminate precast panels at retaining wall estimated \$13,650 savings (Page 11)
- Reduction from 8" to 4" vented rigid insulation estimated \$25,062 savings (Page 12)
- Remove circulation desk from base contract \$23,250 savings (Page 15)
- Reduce stair construction (wood structure not steel) estimated \$5,000 savings (Page 16)
- Reduce value for P1 fixtures (too high for simple exposed lamp pendant) estimated \$49,000 savings (Page 20)
- Remove metal shelving, wood end panels, and benches from base contract \$11,100 savings (Page 22)
- Reduce Design Contingency from 1.5% to 0.5% estimated savings \$69,376 (Page 28)

Total Deductions \$196,438

- Add Barrier One moisture reducing add mixture to concrete slab at Lower Level estimated \$18,885 add (Page 9)
- Add framing for fireplace wall estimated \$5,000 add (Page 14)
- Add painted door frames (missing in previous estimate) estimated \$5,500 add (Page 14)
- Add stone veneer and framing at gas fireplace estimated \$8,100 add (Page 16) 11
- 12 Add missing 1" glass fiber acoustic treatment in high ceilings estimated \$5,995 add (Page 17)
- Add gas fireplace insert estimated \$5,000 add (Page 22) **Total Additions** \$48,480



Possible Deduct Alternates (in recommended order of acceptance)

	Total Deductions	\$176,000
5.	Change metal standing seam roof to TPO membrane with simulated ribs	\$40,000
4.	Change exterior bluestone paving to precast concrete unit pavers; change interior bluestone flooring to porcelain tile	\$30,000
3.	Remove Meeting Room operable partition and track from base contract	\$36,000
2.	Eliminate gas fireplace and associated framing, plumbing, and masonry	\$20,000
1.	Remove all plantings* from base contract; to be completed by owner (alternate: remove shrubs and perennials only; leave trees in base)	\$50,000 (\$30,000)



^{*} not including planting beds, mulch, soils, lawn, meadow grasses, or rain gardens



LEED v3 for New Construction and Major Renovations **Project Scorecard**

Project: Eastham Public Library

General Notes & Legend Address: 190 Samoset Rd

Bldg area: 17,934sf (per initial model calcs) Parking: 51 spaces Site Area: 82,000sf Assume LEED boundary will include entire parcel. FTE: 2.18.14:TGE assumes 9 total (5 staff & 4 Volunteers/day) based on 7 staff & 57 volunteer total Visitors: 2.18.14: 35,340 annual users - TGE assumes 100/day

	Date of Neview. May 22, 2014			ontical patritions	ן ו	VIOITOIO.	2.10.14. 30,040 dilitudi users - TOL assumes hourday		
						Questions, or issues with compliance			
_	TOTALS			Changes in status per 75%CD set review					
Г	48 1	7 7	7 3	3	Certifie	ed: 40-49 points Silver: 50-59 points Gold: 60-79 points Platinum:	80+ point	S	
_				GEN	NERAI	L PROJECT DOCUMENTATION		Responsible	5.22.14 - Notes & Status
	Υ			PI for	rm 1 M	finimum Program Requirements	Required	Eastham	REQUIRED: 2.18.14 Eastham committed to share energy & water use data w/ USGBC for the first 5 years. TGE distributed MPR package.
- 1	Y				_	Project Summary Details	Required		REQUIRED: Team must provide general information on project size, site characteristics and energy & water sources
-	v					Occupant Usage Data	Required		REQUIRED: Team must provide general information on occupancy and space usage
Н	v					chedule and Overview Documents	Required		REQUIRED: Team must provide general information schedule and provide overview documents and narratives
_ L	V N	1+ N	. N	F1 101	1114 3	criedule and Overview Documents	Requireu	Ieaiii	ALQUINED. Team must provide general information schedule and provide overview documents and namatives
Jase L	165 IV			euc	STAIN!	ADI F CITES	26	D	
扎	16 2	2 (0 8	508	MIAIC	ABLE SITES	20	Responsible	5.22.14 - Notes & Status
С	Υ			Prere	q 1 C	Construction Activity Pollution Prevention	Required	Nitsch/GC	REQUIRED: ESC plan shown on C1.1 within 75% CD set, current specs do not include Division 31. Older spec includes 312500 Sedimentation and Erosion Control
			- 4	C d	14 C	ite Selection	4		requirements. CM must implement and document compliance
		+	<u>'</u>	Credi			1		3.14.14: Moved to 'No'. Building within 100ft of wetland area
			5	_		Development Density and Community Connectivity	5		Internet survey appears to show that site area does not meet density or connectivity requirements
		1	_	Credi	it 3 Bi	rownfield Redevelopment	1		"Maybe" based on possible contamination w/in existing bldg. 3.14.14: Was an oil release in parking area. Showing compliance may prove difficult.
D	6			Credi	it 4.1 A	Iternative Transportation - Public Transportation Access	6		2.18.14: Library Cmte confirmed that the "Flex" line of the Cape Cod Regional Transit Authority (www.capecodrta.org) & P&B bus (4x daily) stops within 1/4m of project. Stop is 1265' from building entrance.
D			1	Credi	it 4.2 A	Iternative Transportation - Bicycle Storage and Changing Rooms	1	n.a	Project does not comply. No shower or bike storage shown in set. 2.18.14 Limited interest in shower in project. Bike storage will be provided.
Т									2.18.14: Library Cmte approved providing preferred parking spaces. 3.14.14: Nitsch will locate 3 LEFE parking spaces in preferred locations, and include signage detail.
D	3			Credi	it 4.3 A	Iternative Transportation - Low-Emitting and Fuel-Efficient Vehicles	3		Possibility to add a 6 combined LEFE & HOV spaces to satisfy SSc4.3 & SSc4.4 together.
Щ									5.13.14 - Drawing L1.0 does not indicate location of LEFE preferred parking (75% CD set)
									2.18.14 Library approved if signage can include language beyond just "Carpool Only" to include "Mother & Child" or similar. There is no firm USGBC ruling on alt signage,
D	2			Credi	it 4.4 Al	Iternative Transportation - Parking Capacity	2		but some anecdotal evidence suggests that teams can use 'Reserved HOV Parking'; Parking capacity = 1/350sf;
	4	_	_	01	1.5.4	St. D d	4		5.13.14 - Drawing L1.0 does not indicate location of LEFE preferred parking (75% CD set)
C	1	_	_	Credi	It 5.1 <u>S</u>	ite Development - Protect or Restore Habitat	1		Compliant field grass & existing tree areas = ~25,000sf > footprint (11,685sf) or 20% of site (16,400sf)
D	1			Credi	it 5.2 Si	ite Development - Maximize Open Space	1		Review of Eastham zoning shows no open space requirement for municipal buildings. Need confirmation of open space requirements to confirm compliance path. 5.13.14: Footprint = 11,684.4 sf; Case 2 - Compliant; Case 3 - Compliant (Total Open Space = 27,337.39 sf) per 75% CD set
D	1			Credi	it 6.1 St	tormwater Design - Quantity Control	1		3.14.14: Moved to 'Yes'. Nitsch confirming that runoff quantity will be reduced by 100%
						<u> </u>			3.14.14: Moved to 'Yes'. Nitsch confirming that 100% of the water will be treated with BMPs on-site.
P	1			Credi	It 6.2	tormwater Design - Quality Control	1	Nitsch	Additional Regional Priority credit for SSc6.2 moved to "Yes" as well.
C			1	Credi	it 7.1 H	leat Island Effect - Nonroof	1	n.a	3.14.14: Permeable pavers and concrete no longer in project. Moved to 'No'
Т									Material includes: new cedar shake (small amount of coverage, only the historic building), Revere Kynar standing seam (coated, assuming a light/standard gray to match
D	1			Credi	it 7.2 H	leat Island Effect - Roof	1		TPO), Gray TPO.5.13.14: Will need to determine the specific roofing material selections in order to determine the SRI values for the standing seam and TPO
H		+	_						materials. Not currently outlined in 75% CD set. http://www.metalsales.us.com/commercial/resources/colors#.UvFCRXddUbc
		.		Cradi	: 0 1:	ight Dallytian Dadystian	1		Carried as 'Maybe-' 3.14.14: Pending design development Directional fixtures will be selected to assist with trespass compliance. Team exploring use of a solar powered
Ч		'		Credi	ILO LI	ight Pollution Reduction	'		flag pole based down-light. Interior lighting will be on time clock – have to confirm scheduling meets requirements. LAM working on exterior lighting and will do photometric study. 2.18.14: The library is open 2 nights a week until 8pm. The community room will be used for after-hour uses
	Yes M	1+ N	/- No)					Study, 2.10.14. The library is open 2 highlis a week until opin. The community from will be used for after-from uses
Г			2 0		TEP E	FFICIENCY	10	Responsible	5.22.14 - Notes & Status
4	-	1 1 4					10		REQUIRED: Project will meet 20% threshold with fixture options listed in 15400: 5.13.14: WC-1.28 gpf; L-0.3 gpm; Sink-0.5 gpm; U-0.125 gpf.
	Υ			Prere	eq 1 W	Vater Use Reduction - 20% minimum	Required		TGE preliminary calcs show: 41.15%
D	4			Credi	it 1 W	Vater Efficient Landscaping - Reduce by 50%, No Irrigation	4		Project eligible for all 4 points with no permanent irrigation.
									Option 1: Flush fixtures = 34% reduction (WC: 1.28gpf, urinals: 0.125gpf) Option 2: 3.14.14: Remains 'M-' pending Nitsch review of nutrient removal regsof zoning. Treating
		2	2	Credi	ıt 2 In	nnovative Wastewater Technologies	2	MITSON	to tertiary standards involves extra filtration or biological activity to remove nutrient pollutant and it may also involve disinfection
						W. L. H. D. J. J			TGE preliminary calcs show: 40.98%. Any change in fixtures from what is listed in WEp1 would drop project below 40% threshold. Carrying 40% last point as 'Yes' pending
P	3	1		Credi	ıt 3 <u>W</u>	Vater Use Reduction - 30% (2), 35% (3), 40% (4)	4		fixture approval by Eastham.
	Yes N	1+ N	/I- No)					
Γ				_	RGY	& ATMOSPHERE	35	Responsible	5.22.14 - Notes & Status
		· -	- ''						REQUIRED: CRITICAL PATH ITEM A CxA must be brought in to satisfy the minimum Cx required scope. 2.27.14: Requirements sent. OPR reaching out to SBS and other.
C	Υ			Prere	eq 1 Fi	undamental Commissioning of Building Energy Systems	Required		Intent is to pursue Enhanced Commissioning Services.
	v					Fritzen Franz Defenses			REQUIRED: Project will demonstrate compliance using an energy model computer simulation. Baseline is ASHRAE 90.1-2007
				Prere	;q∠ M	finimum Energy Performance	Required	TGE/TMP/OEA	5.13.14: Per conference call, energy model is on track to demonstrate about 28% energy cost-savings over baseline.
D	Υ			Prere	eq 3 Fi	undamental Refrigerant Management	Required	TMP	REQUIRED: Compliant refrigerants have been specified
D	8	4	7	Credi	it 1 0	Optimize Energy Performance	19		5.13.14: Updated with ext lighting shows 28%. 4.29.14: Preliminary model results show 30.9% energy cost savings. Moved 2 points to M+ from Yes.
D			7	Credi		On-Site Renewable Energy	7		5.13.14: PV will not be part of project. Building will be designed to be "solar ready"
	2								5.13.14: Specs do not currently include Cx requirements (75% CD set). 3.14.14: To meet credit requirements a CxA must be brought in soon to comment on the DD and set
C	2			Credi	ıı 3 E	inhanced Commissioning	2		have issues addressed before CDs. Intent is to pursue Enhanced Commissioning Services. Moved to 'Yes'.
D			2	Credi	it 4 E	inhanced Refrigerant Management	2	TMP	Experience has shown that VRF systems do not meet credit requirements due to relatively high refrigerant charge per ton cooling capacity.
C	1		2	Credi	it 5 M	leasurement and Verification	3	Eastham	Carried 1 point as 'Yes' for ENERGYSTAR Portfolio Manager sharing to satisfy MPR. No current interest in full M&V plan.
C		2	2	Credi	it 6 G	Green Power	2		Carried as 'Maybe -'. Not a design decision. Credit can be evaluated later in project. 2.18.14: TGE explained green power purchase procedure.
		_		_					

LEED Goal: 2.18.14: As high as possible within budget tolerance



2 4	n+	W- N	0	IATEDI	IALS & RESOURCES	44	D	FOR AA Notes & Otel to
3 2	2	1 8	S IV	IATEKI	ALS & RESOURCES	14	Responsible	5.22.14 - Notes & Status
Υ			Pr	rereq 1	Storage and Collection of Recyclables	Required	OEA	REQUIRED: 5.13.14: Plenty of storage space for collection of recyclables, if necessary, per 75% CD set. Should be fine. 2.18.14: Recycling collection bins will be distributed throughout project space. All recyclables are collected daily and picked up by town. Town has a recycling program.
		3	3 Cr	redit 1.1	Building Reuse - Maintain Existing Walls, Floors & Roof	3	n.a	Reused portion does not meet credit threshold
		1	Cr	redit 1.2	Building Reuse - Maintain Interior Non-Structural Elements	1	n.a	Reused portion does not meet credit threshold
1	1		Cr	redit 2	Construction Waste Management - Divert 50% (1), 75% (2)	2	OEA/CM	75% is a reasonable target for MA projects. But conservatively carrying 1 as 'Maybe +' pending research into Cape options. Old specification ToC includes 017419 Construction Waste Management & Disposal. 5.13.14: Current specifications do not include Division 1 specs
		2	2 Cr	redit 3	Materials Reuse	2		No evidence of significant usage of reused materials. Credit seems unlikely.
4	4		Cr.	redit 4	Recycled Content - 10%, 20%	1-2	OEA/CM	5.13.14: Current specifications do not include Division 1 specs (75% CD set). Draft specs include 018113 Sustainable Design Requirements requiring proper reporting
	'		G	Cuit 4	Recycled Content - 10 /0, 20 /0	1-2		of material attributes Project tracking 1st threshold as 'Yes' and 2nd as 'Maybe +' pending performance in CA.
1		1	Cr	redit 5	Regional Materials - 10%, 20%	1-2		5.13.14: Current specifications do not include Division 1 specs (75% CD set). Draft specs include 018113 Sustainable Design Requirements requiring proper reporting of material attributes Project tracking 1st threshold as 'Yes' and 2nd as 'Maybe +' pending performance in CA.
		1	Cr	redit 6	Rapidly Renewable Materials	1	n.a	No evidence of significant usage of rapidly renewable materials. Credit seems unlikely.
		1	Cr	redit 7	Certified Wood	1	OEA/CM	2.18.14: Moved to 'No'. Significant amount of interior and exterior wood shown in design. Using >50% wood may prove cost prohibitive.
Yes N	M+	M- N	0					
6	4	2 3	IN	NDOOF	R ENVIROMENTAL QUALITY	15	Responsible	5.22.14 - Notes & Status
Υ		-	Pr	rereq 1	Minimum Indoor Air Quality Performance	Required	TMP	REQUIRED: TMP must confirm ASHRAE 62.1-2007 criteria are satisfied. M0.1 lists ventilation design criteria which match ASHRAE 62 requirements
Υ				-	Environmental Tobacco Smoke (ETS) Control	Required		REQUIRED: No Smoking signage must be included in design. None currently found in 75% CD set.
		4			, ,			3.14.14: OA Monitoring: Will have no BAS system, so nothing to report alarm to. ECM motors know the amount of OA delivered. TGE to research alt compliance. CO2
		1	Cr	redit 1	Outdoor Air Delivery Monitoring	1		Sensors: Currently 5 CO2 sensors designed within the project: Conference Room, Eastham Room, (2x) Assembly Room, and Program Room
		1	Cr	redit 2	Increased Ventilation	1		3.14.14: Moved to 'No'. Project will not exceed ASHRAE-62 by 30%.
1			Cr	redit 3.1	Construction Indoor Air Quality Management Plan - During Const.	1	OEA/CM	Compliant IAQ management plan required as part of 018119.5.13.14: Current specifications do not include Division 1 specs (75% CD set)
	4				· ·	4	OEA/CM	Assume flush out or testing will be required as part of 018119 but carried as 'Maybe +' pending better understanding of schedule.5.13.14: Current specifications do no
	1		Cr	redit 3.2	Construction Indoor Air Quality Management Plan - Before Occupancy	1	UEAVCIVI	include Division 1 specs (75% CD set)
1			Cr	redit 4.1	Low-Emitting Materials - Adhesives & Sealants	1	OEA/CM	Assume project will meet requirements. Specifications and material selections will be developed with credit requirements in mind.
1			Cr	redit 4.2	Low-Emitting Materials -Paints & Coatings	1	OEA/CM	Assume project will meet requirements. Specifications and material selections will be developed with credit requirements in mind.
1			Cr	redit 4.3	Low-Emitting Materials - Floor Systems	1	OEA/CM	Assume project will meet requirements. Specifications and material selections will be developed with credit requirements in mind. Resilient flooring Armstrong Excelon is FloorScore, but no direct reference to FloorScore product
	1		Cr	redit 4 4	Low-Emitting Materials - Composite Wood	1	OEA/CM	Assume project will meet requirements. Specifications and material selections will be developed with credit requirements in mind.
	+	-			Indoor Chemical and Pollutant Source Control	1		3.14.14: Moved to 'No'. Project will have larger copier that will not be isolated.
-				ouit o	indoor onemical and i olidiant oburde oortion			5.13.14: Current design does not seem to represent compliance for IEQc6.1, as the abundance of private workstations (study carrels, computer stations, staff
		1	Cr	redit 6.1	Controllability of Systems - Lighting	1		workstations) without task lighting will not comply with requirements (75% CD set) Reading areas are considered Multi-Occ. Private spaces may prove difficult. All computer stations and study carrels are considered private areas that would require control (task lights)
-	1		Cr	redit 6.2	Controllability of Systems - Thermal Comfort	1	TMP	3.14.14: Moved to 'M+'. Combination of Tstats and operable windows may meet credit requirements.
1	+		_		Thermal Comfort - Design	1		Assume building complies with ASHRAE 55 requirements.M0.1 lists temp & humidity design conditions.
' +	+	-						3.14.14: Moved to 'M+'. Low hanging fruit" credit. Pending Eastham interest in conducting thermal comfort survey. 2.18.14: TGE explained procedure. Eastham was
	1		Cr	redit 7.2	Thermal Comfort - Verification	1	Eastham	interested, but not ready to commit at this time.
		1	Cr	redit 8.1	Daylight and Views - Daylight - 75%	1	OEA	5.13.14: Pending calculations
1			_		Daylight and Views - Views 90%	1		5.13.14: Confirmed that views should be met with ease with current design (75% CD set).
Yes N	M+	M- N	0		, ,			
3 :	3	0 (II I	AVONI	TION IN DESIGN	6	Responsible	5.22.14 - Notes & Status
			_					Assume a minimum of 2 ID credits will be earned. Options include Exemplary Performance in base point, participation in Pilot credit, low-mercury lighting, building as Edu
1			Cr	redit 1.1	Innovation in Design: To be determined	1	Team	other Eastham Policy, etc
4			C.	radit 1.2	Innovation in Design: To be determined	1	Team	2.18.14: Town interesting in Building as an Educational Tool path. TGE to send memo.
<u> </u>					<u> </u>	'	Ieaiii	Assume a minimum of 2 ID credits will be earned.
	1		_		Innovation in Design: To be determined	1	Team	Carried as 'Maybe' pending selection of ID option
	1		Cr	redit 1.4	Innovation in Design: To be determined	1	Team	Carried as 'Maybe' pending selection of ID option
,	1		Cr	redit 1.5	Innovation in Design: To be determined	1	Team	Carried as 'Maybe' pending selection of ID option
1			Cr	redit 2	LEED® Accredited Professional	1	Team	Various team members are LEED AP accredited.
Yes N	M+	M- N	ю					-
2	1	0 1	R	EG <u>IO</u> N	IAL PRIORITY - 02642	4	Responsible	5.22.14 - Notes & Status
1					RP for 02642: SSc4.1, SSc5.1, SSc6.2, WEc2, EAc1 (40%)	1		Tracking SSc5.1 as 'Yes'
	1		_		RP for 02642: SSc4.1, SSc5.1, SSc6.2, WEc2, EAc1 (40%)	1		Tracking WEc3 (40%) as 'M+'
1			_		RP for 02642: SSc4.1, SSc5.1, SSc6.2, WEc2, EAc1 (40%)	1		Tracking SSc6.2 as 'Yes'
		-			RP for 02642: SSc4.1, SSc5.1, SSc6.2, WEc2, EAc1 (40%)	1	_	Tracking EAc2 as No'
Yes N	M+	M- N		Juit 1.7	14 10, 020 12. 0001.1, 0000.1, 0000.2, WE02, ENGI (10/0)			Travilling La to Law Travilling La to L
48 1					CT TOTALS (Configuration Follows)	448		
48 I T	/ I	1 I 3	ŏΡ	RUJE(CT TOTALS (Certification Estimates)	110		





LEED v3 for New Construction and Major Renovations Project Scorecard

Project: Eastham Public Library

Address: 190 Samoset Rc General Notes & Legend

CENEDAL DOCUMENTATION

Date of Review: May 22, 2014 | Critical path items

Questions, or issues with compliance

TOTALS

Changes in status per 75%CD set review

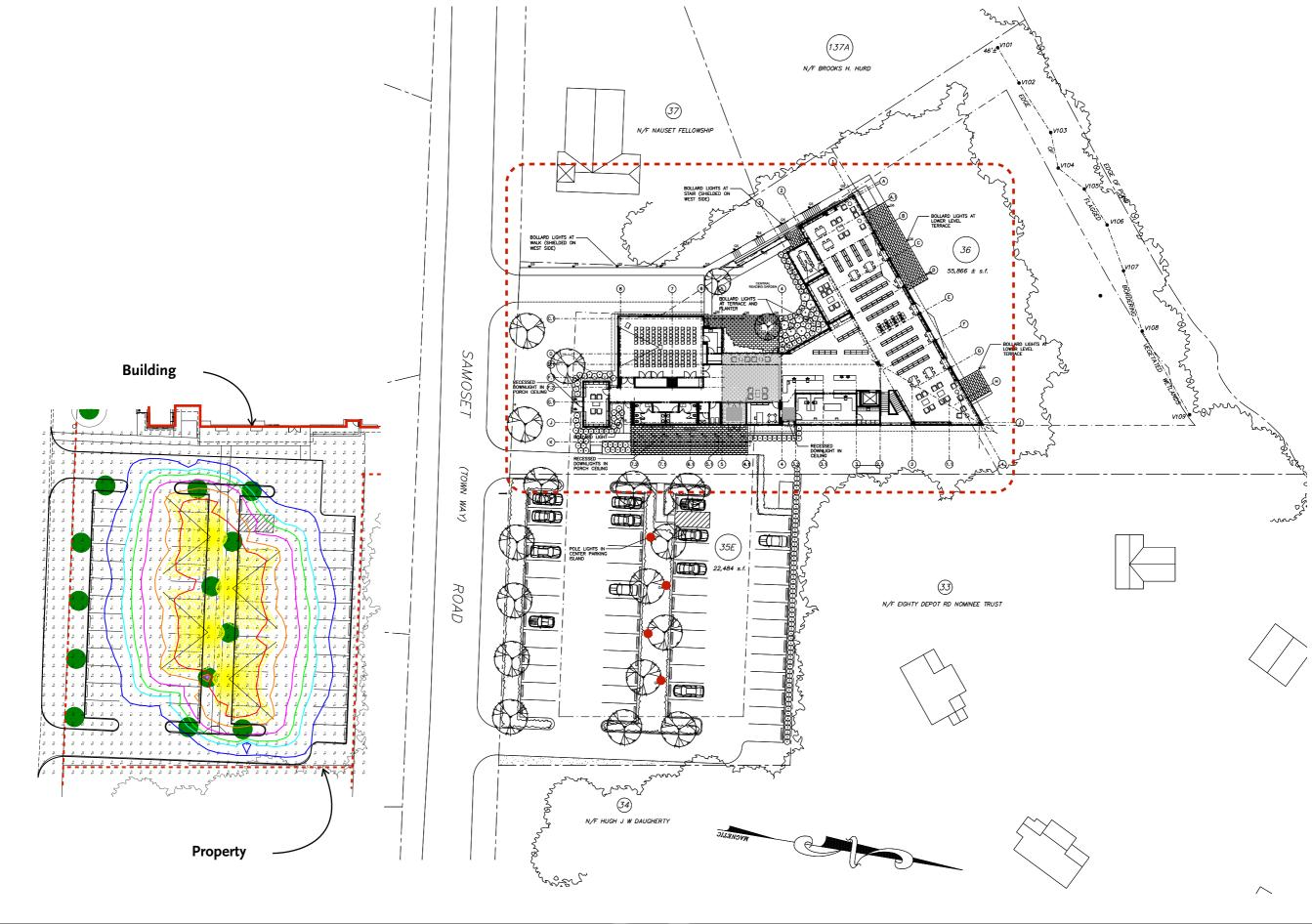
48 | 17 | 7 | 38

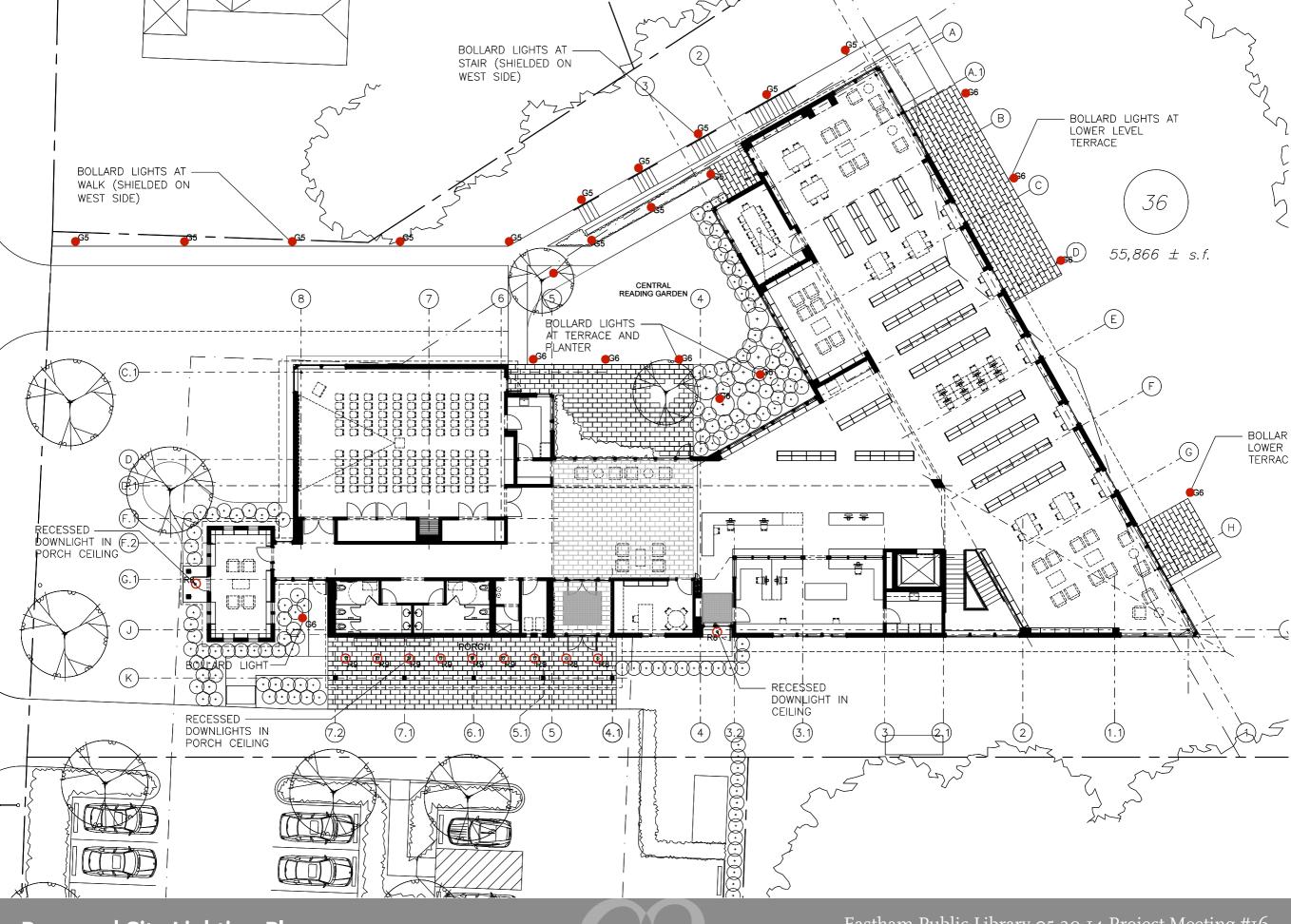
Certified: 40-49 points Silver: 50-59 points Gold: 60-79 points Platinum: 80+ point

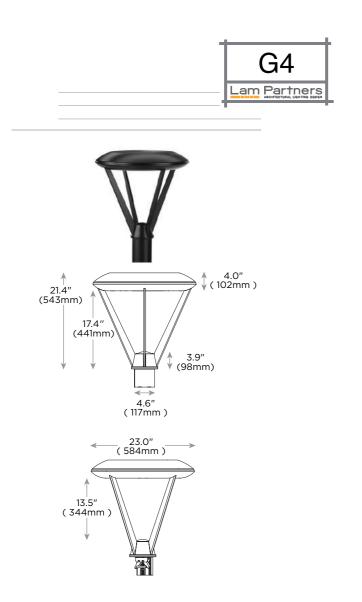
Y Y Y

OLIVEI	ALTROULOT DOCUMENTATION						
PI form 1	Minimum Program Requirements						
PI form 2	Project Summary Details	Required					
PI form 3	Occupant Usage Data	Required					
PI form 4	Schedule and Overview Documents	Required					













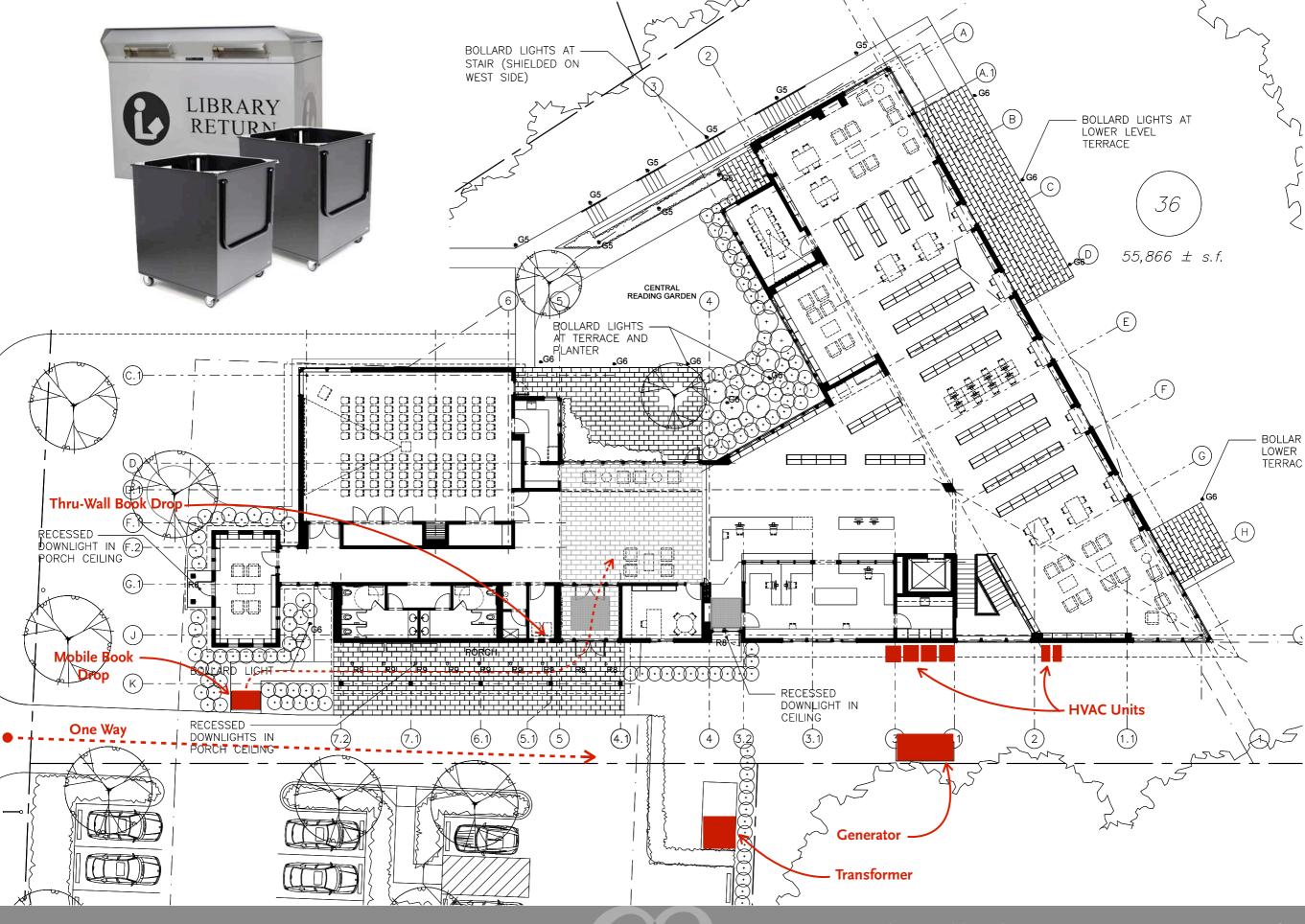


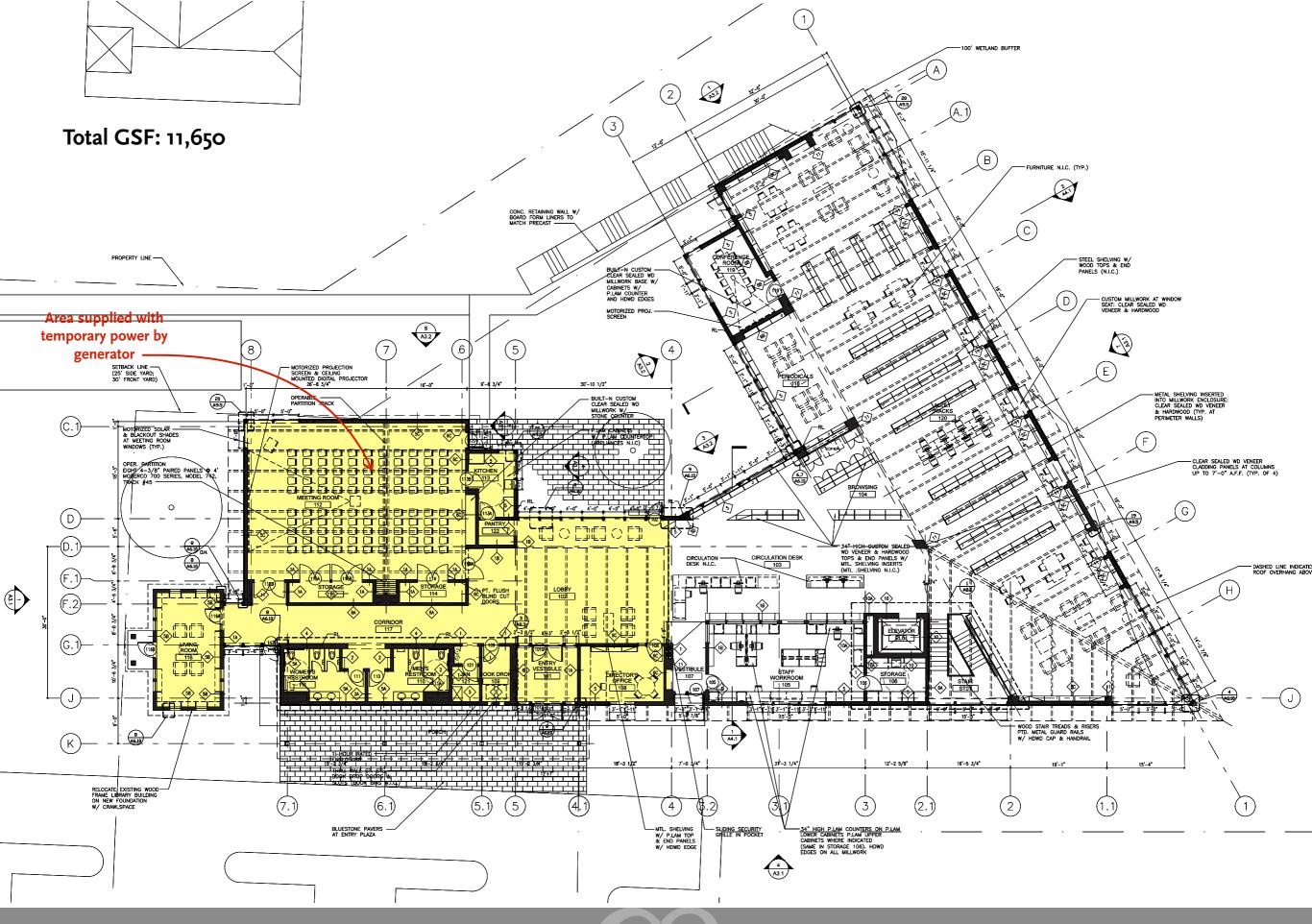


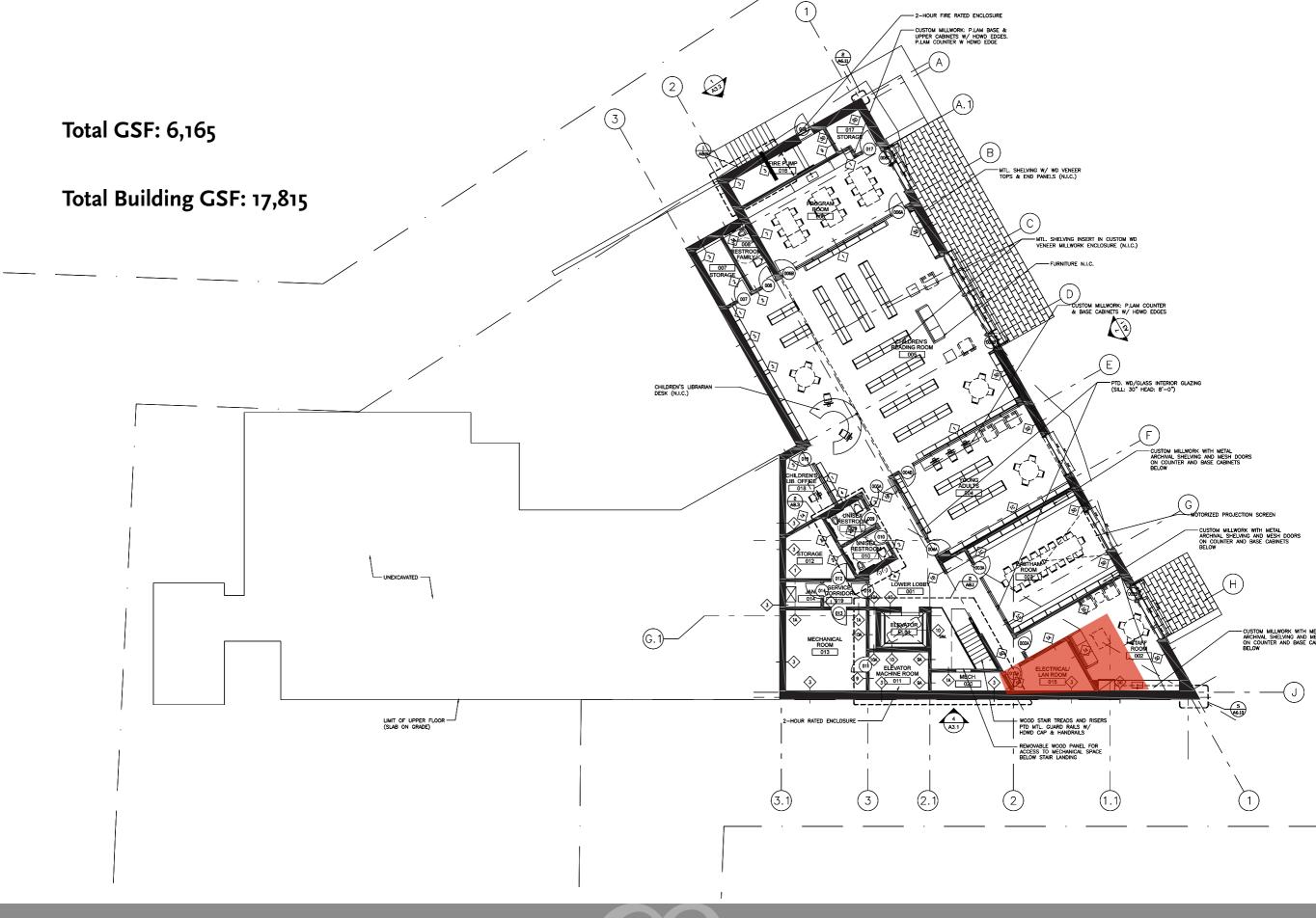
Parking Lot Pole Lights: 12'-0" tall

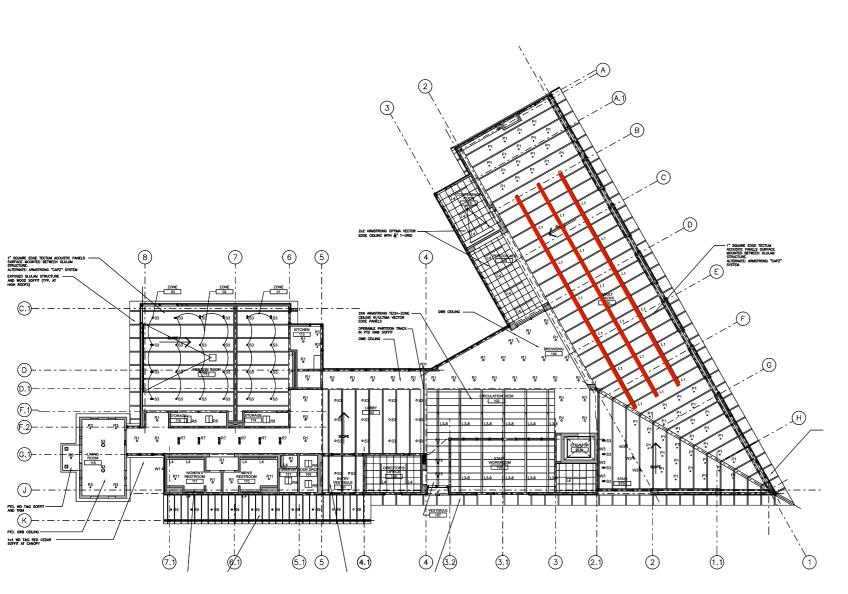
Directional Bollards: 36" tall (Egress path and stair)

Standard Bollards: 20" tall

















and three standard cord lengths, the possibilities are almost limitless. Contact us for alternate colors and custom lengths or let us cut your cords to size so you save time during installation.

CHOOSE YOUR SOCKET AND FINISH.

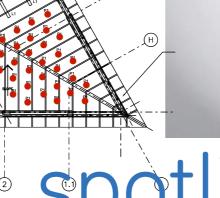
in your ideal finish – both are perfect for a wide array of design aesthetics. A four inch flush canopy in the matching metal finish ships standard with every pendant. Due to the diameter of the cord, SoCo pendants do not currently work with our T-TRAK system or our multi-port canopies.

CHOOSE YOUR LAMP TO COMPLETE THE LOOK.

some of the most popular lamps including severa energy efficient LED and compact fluorescent options. Don't see what you are looking for here Contact us for our full lamp offering.

MAKE YOUR SELECTION WITH THE ORDERING GRID.

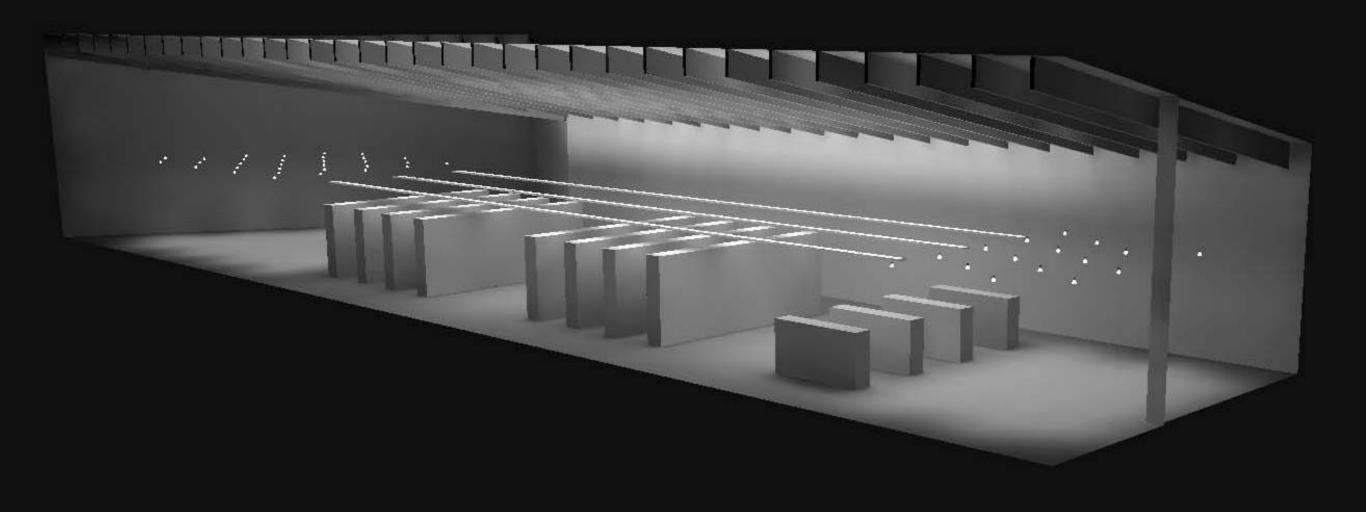








2X6 ARMSTRONG TECH-ZO CEILING W/ULTIMA VECTOR EDGE PANELS



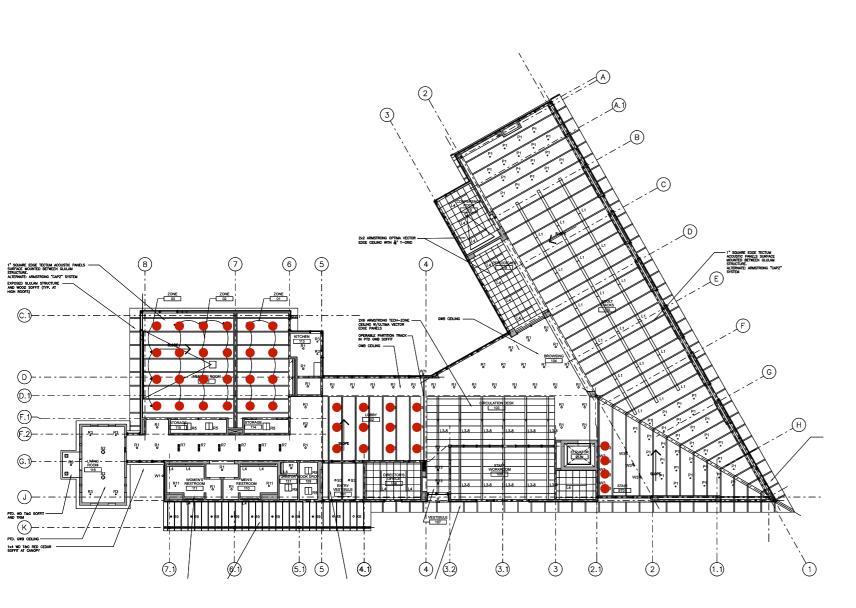














LINE-VOLTAGE HEADS

Tweak Incandescent PAR Head

DESCRIPTION

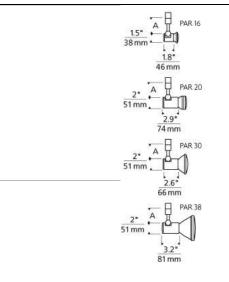
Minimal head pivots vertically 180°, rotates horizontally 350°. Features horizontal locking mechanism. Dimmable with a standard incandescent dimmer. 120 volt incandescent PAR16 lamp with GU10 base up to 50 watts; PAR20 lamp with E26 medium base up to 50 watts; PAR30 lamp with E26 medium base up to 75 watts; PAR38 lamp with E26 medium base up to 75 watts; PAR38 lamp with E26 medium base up to 120 watts (lamp not included).

ACCESSORIES & OPTICAL CONTROLS

PAR Louver Lens Holder

WEIGHT

5.1lb / 2.31kg ±



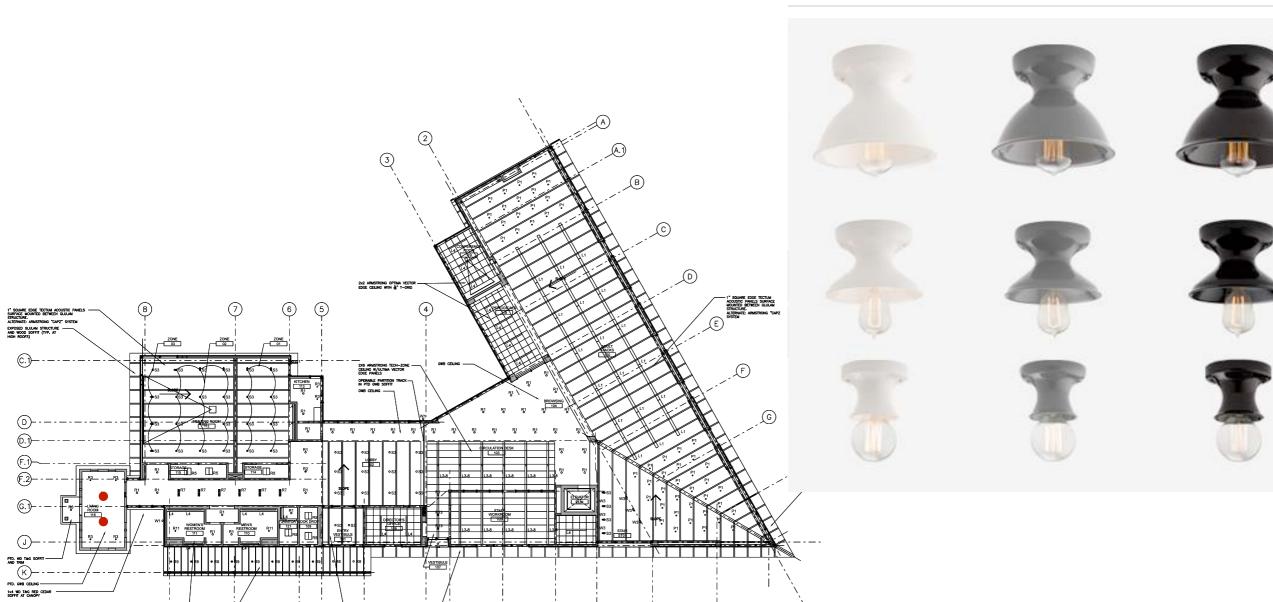


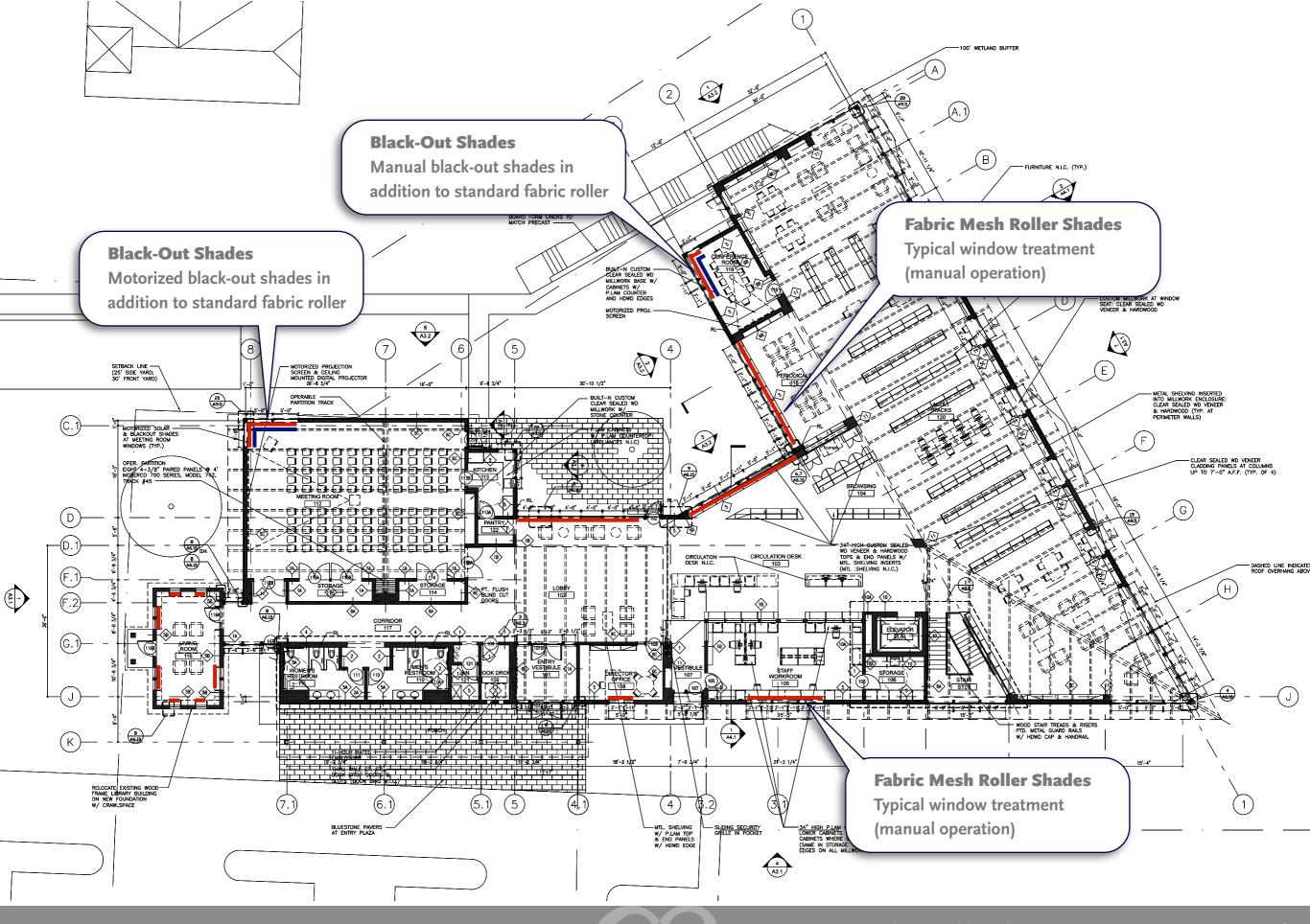
SCHOOLHOUSE ELECTRIC & SUPPLY CO.

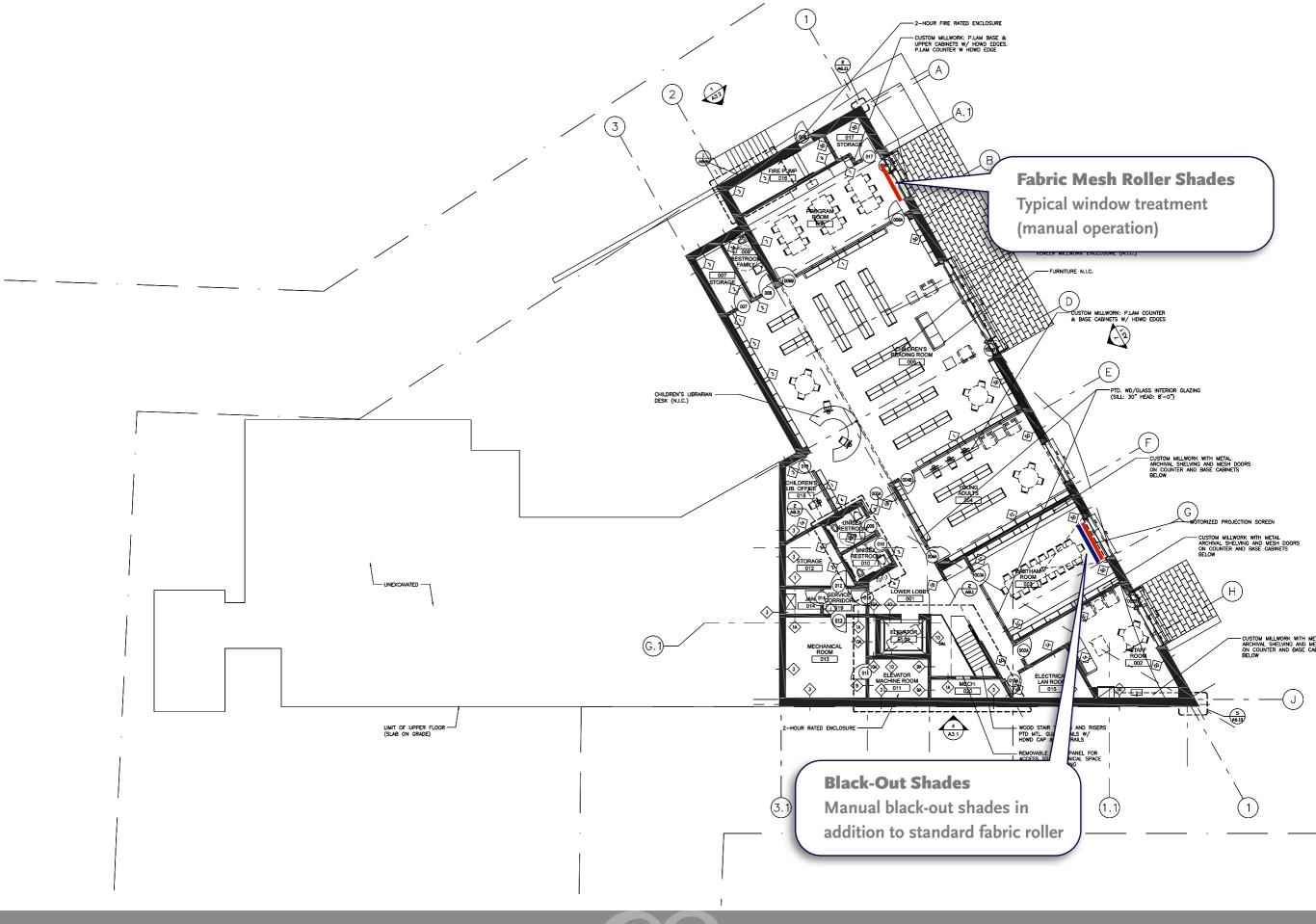
Portland, Orego New York, New Yo http://www.schoolhouseelectric.com

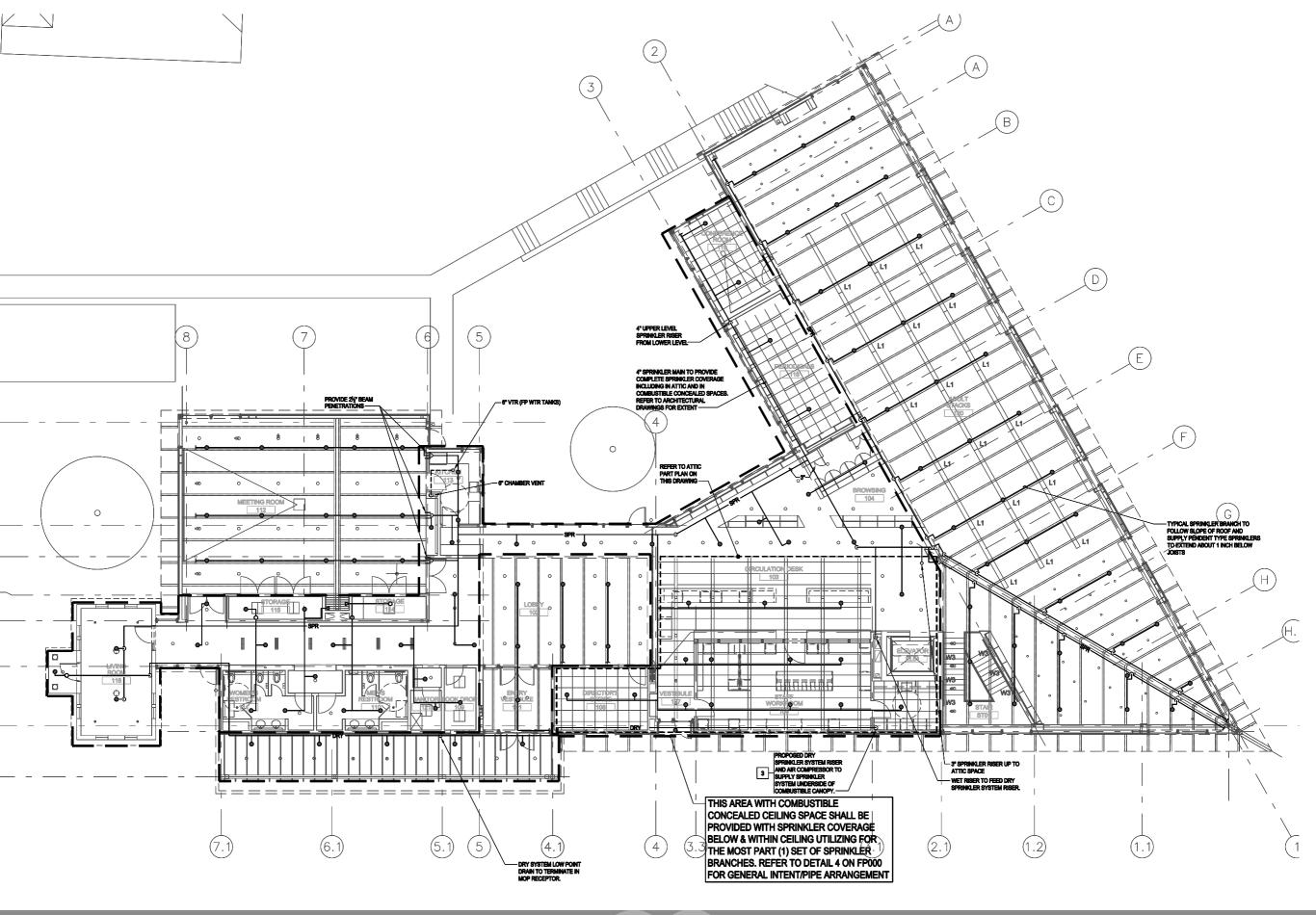
MY ACCOUNT / SIGN IN / MY CART (0)

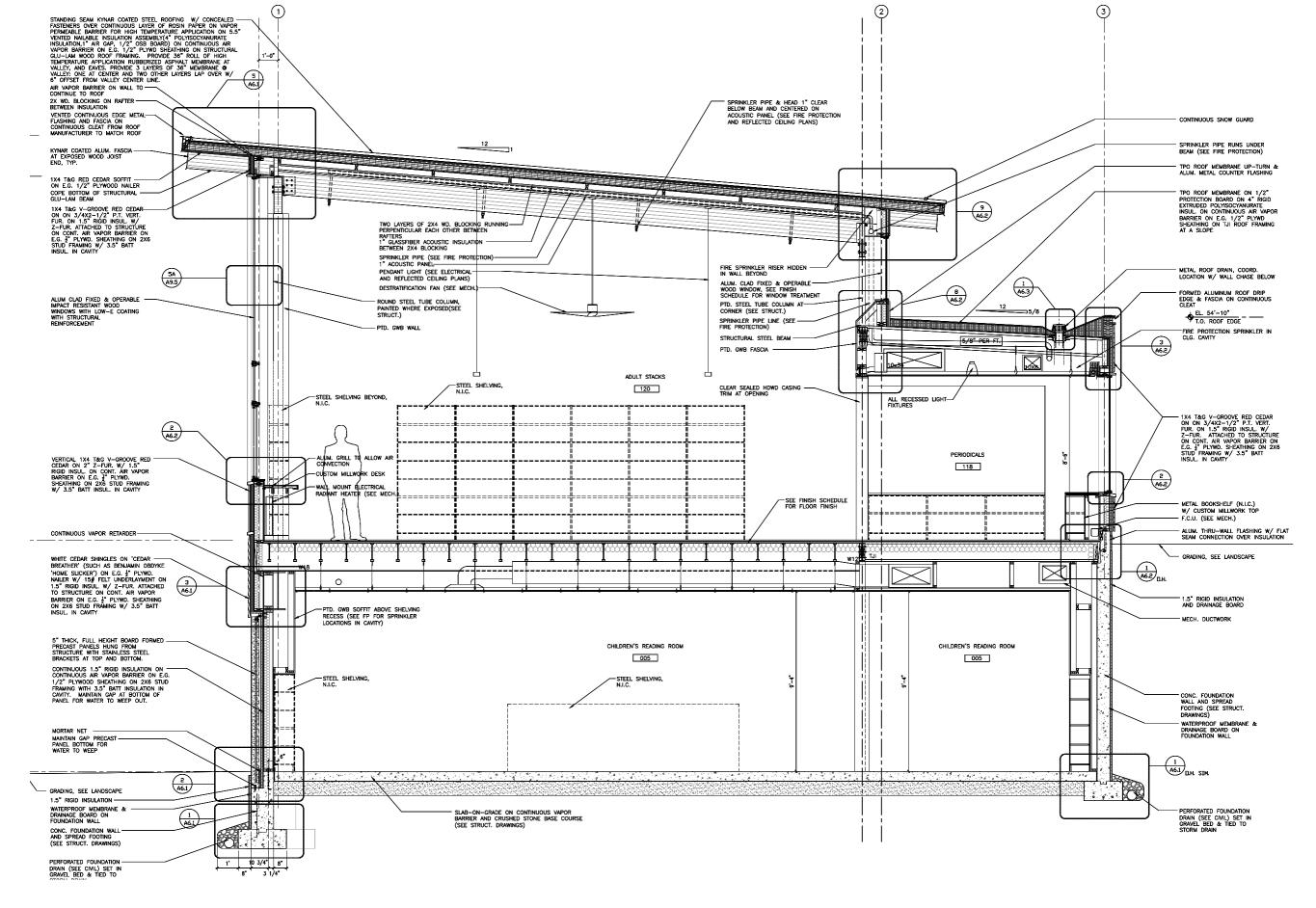
HOME / LIGHTING / SURFACE MOUNT FIXTURES / ALABAX MEDIU













Oudens Ello Architecture