ARCHITECTS SUPPLEMENTARY INSTRU	CTIONS		
Project: Cape Henlopen Middle School	Project No.: 2020-14	Request Date: 10/4/2022	ASI NO: 005R
Architects: ABHA Architects, Inc. 1621 N. Lincoln Street, Wilmington, To: Dean Johnson Richard Y. Johnson & Son 18404 Johnson Road, P.O. Box 105 Lincoln, DE 19960	DE	Reason for Red	quest: drawing revisions
Description: Revisions to the electrical lighting pl Attachments: EL-111, EL-112, EL-121, EL-122, E			3, E-514, and E-517
Issued by: Bryan Williams		Title: Project A	Architect
ASI 005R is to replace ASI 005. See attached for the second secon	the Electrical Eng	ineer's narrative	and drawings.



W.O.#: 20050

October 3, 2022

Bryan Williams, AIA ABHA Architects 1621 North Lincoln Street Wilmington, Delaware 19806

Project: Cape Henlopen Middle School

Reference: ASI-005R

This ASI forms a part of the contract documents and modified the original bidding documents dated March 18, 2022.

This ASI consists of two (2) pages and the attached revised drawings.

CHANGES TO DRAWINGS:

- Sheet EL-111 FIRST FLOOR PLAN AREA 'A' LIGHTING REVISE lighting and circuiting in Corridor A100B.
 REVISE two (2) type 'W4E' luminaires in Stair A to type 'W4'.
 REVISE four (4) type "L4E" luminaires in Elev. EL1 to type 'L4'.
- 2. Sheet EL-112 FIRST FLOOR PLAN AREA 'B' LIGHTING **REVISE** two (2) type 'W4E' luminaires in Stair B to type 'W4'.
- 3. Sheet EL-121 SECOND FLOOR PLAN AREA 'A' LIGHTING **REVISE** two (2) type 'W4E' luminaires in Stair A to type 'W4'.
- 4. Sheet EL-122 SECOND FLOOR PLAN AREA 'B' LIGHTING **REVISE** two (2) type 'W4E' luminaires in Stair B to type 'W4'.
- Sheet EL-131 THIRD FLOOR PLAN AREA 'A' LIGHTING REVISE two (2) type 'W4E' luminaires in Stair A to type 'W4'. REVISE four (4) type "L4E" luminaires in Elev. EL3 to type 'L4'.
- 6. Sheet EL-132 THIRD FLOOR PLAN AREA 'B' LIGHTING **REVISE** two (2) type 'W4E' luminaires in Stair B to type 'W4'.
- 7. Sheet E-504 SCHEDULES ELECTRICAL **REVISE** relay #3 on schedule for INV-3.

8. Sheet E-512 – SCHEDULES – ELECTRICAL

REVISE VA rating, dimensions, and connected load for INV-3 on Inverter Schedule.

9. Sheet E-513 – SCHEDULES – ELECTRICAL

REVISE emergency option for lighting fixture type 'L4" on Interior Lighting Fixture Schedule to "NONE".

REVISE lighting fixture type 'L4E' on Interior Lighting Fixture Schedule to "NOT USED".

10. Sheet E-514 – SCHEDULES - ELECTRICAL

REVISE lighting fixture type 'W2' on Interior Lighting Fixture Schedule to "NOT USED". **REVISE** last sentence of description for fixture type 'W4' to delete "with spackle flange". **REVISE** lighting fixture type 'W4E' on Interior Lighting Fixture Schedule to "NOT USED".

11. Sheet E-517 – SCHEDULES - ELECTRICAL

ADD lighting fixture types "TTT2" and "TTT4" to Interior Lighting Fixture Schedule. **ADD** note 15 to Interior Lighting Fixture Schedule.

END OF ASI-005R

Enclosures:

EL-111

EL-112

EL-121

EL-122

EL-131

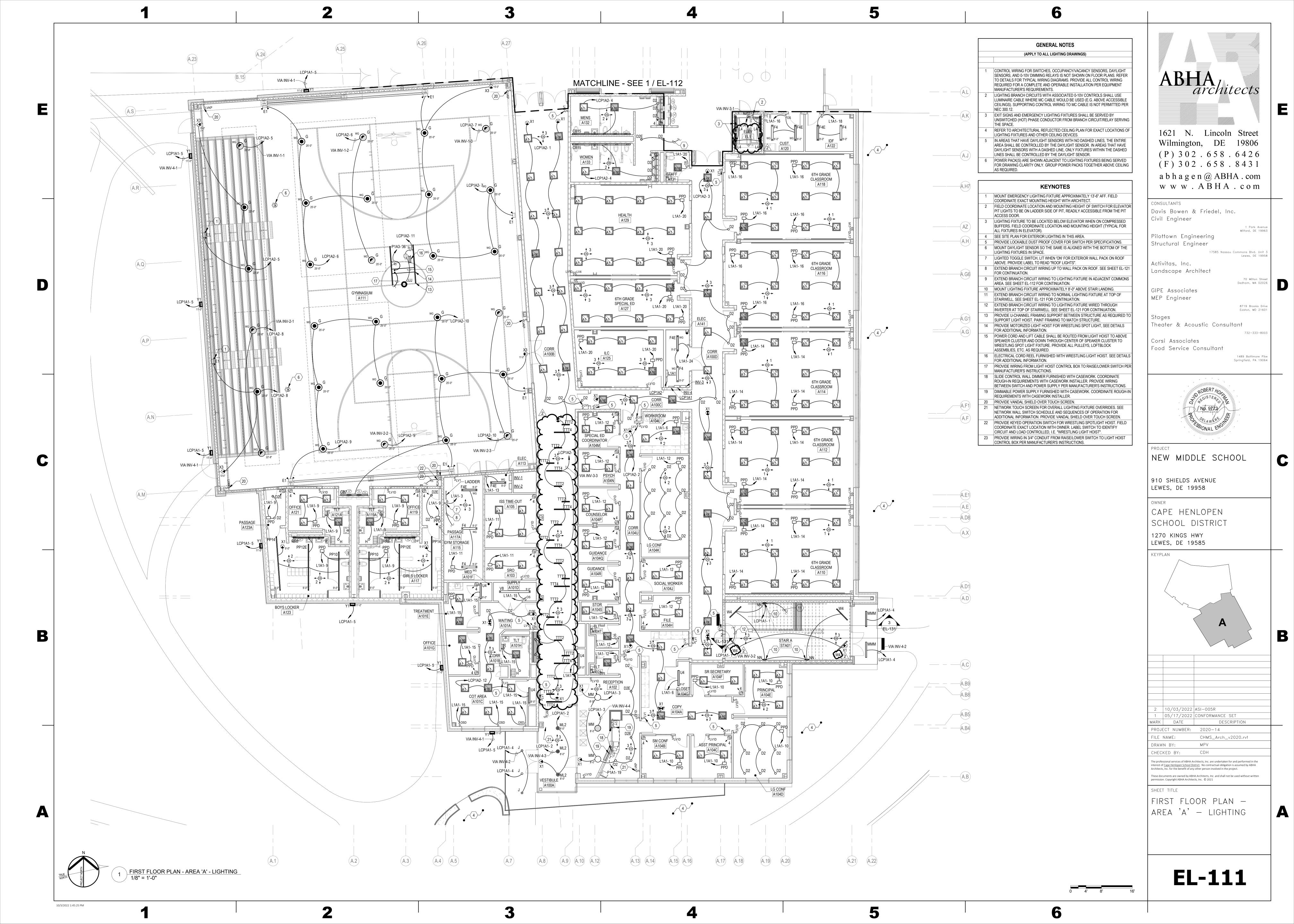
EL-132

E-504

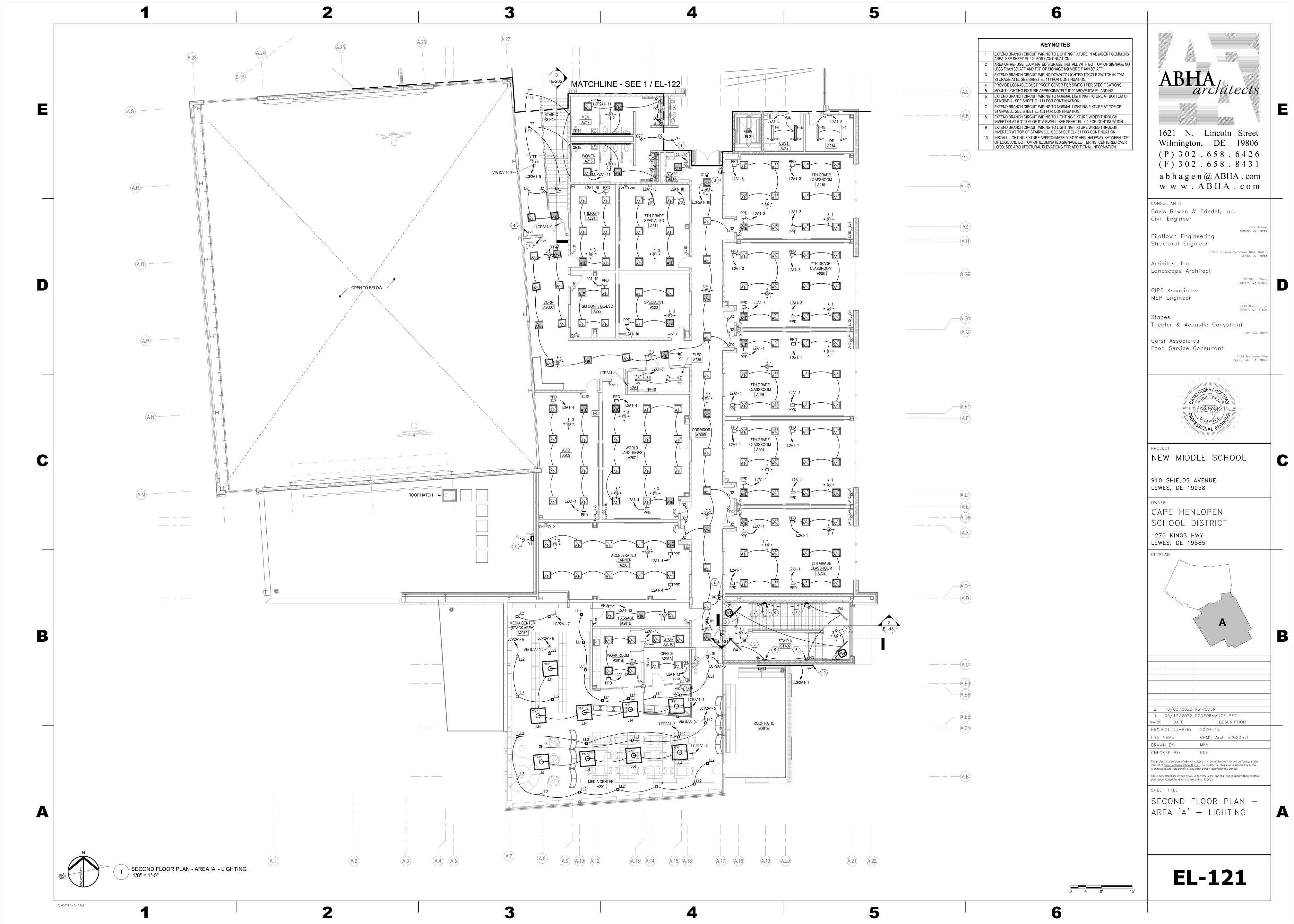
E-512

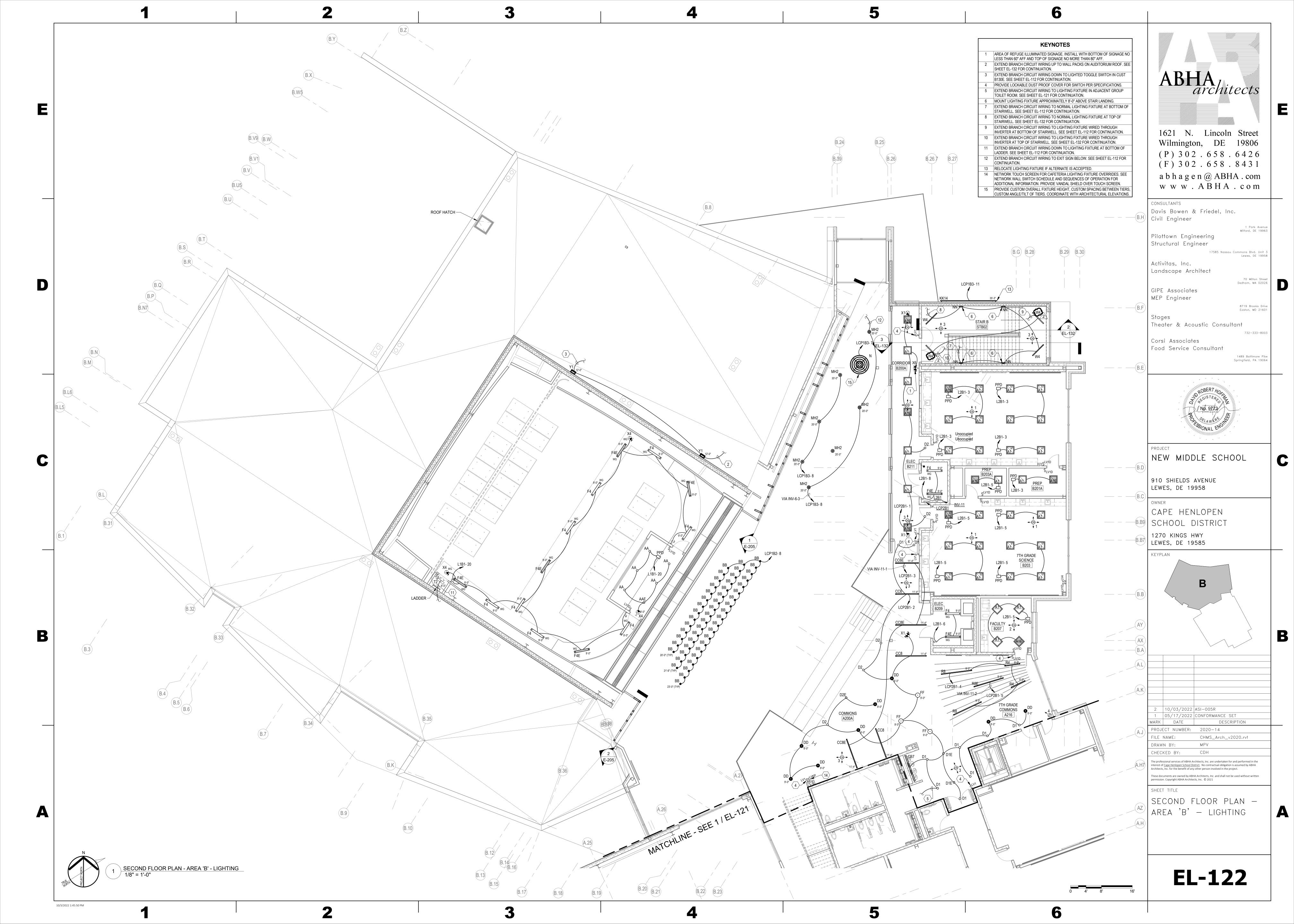
E-513

E-514 E-517

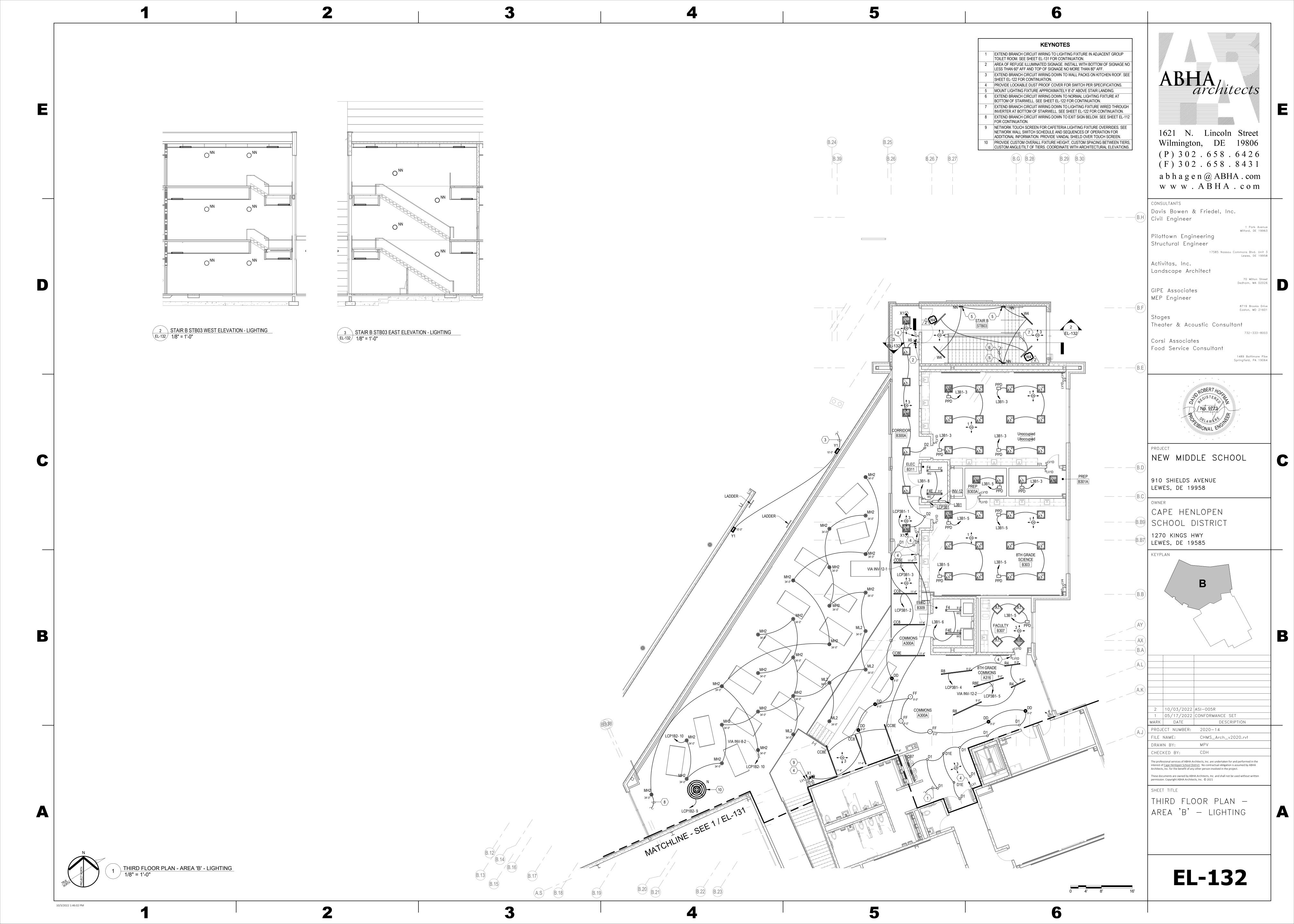


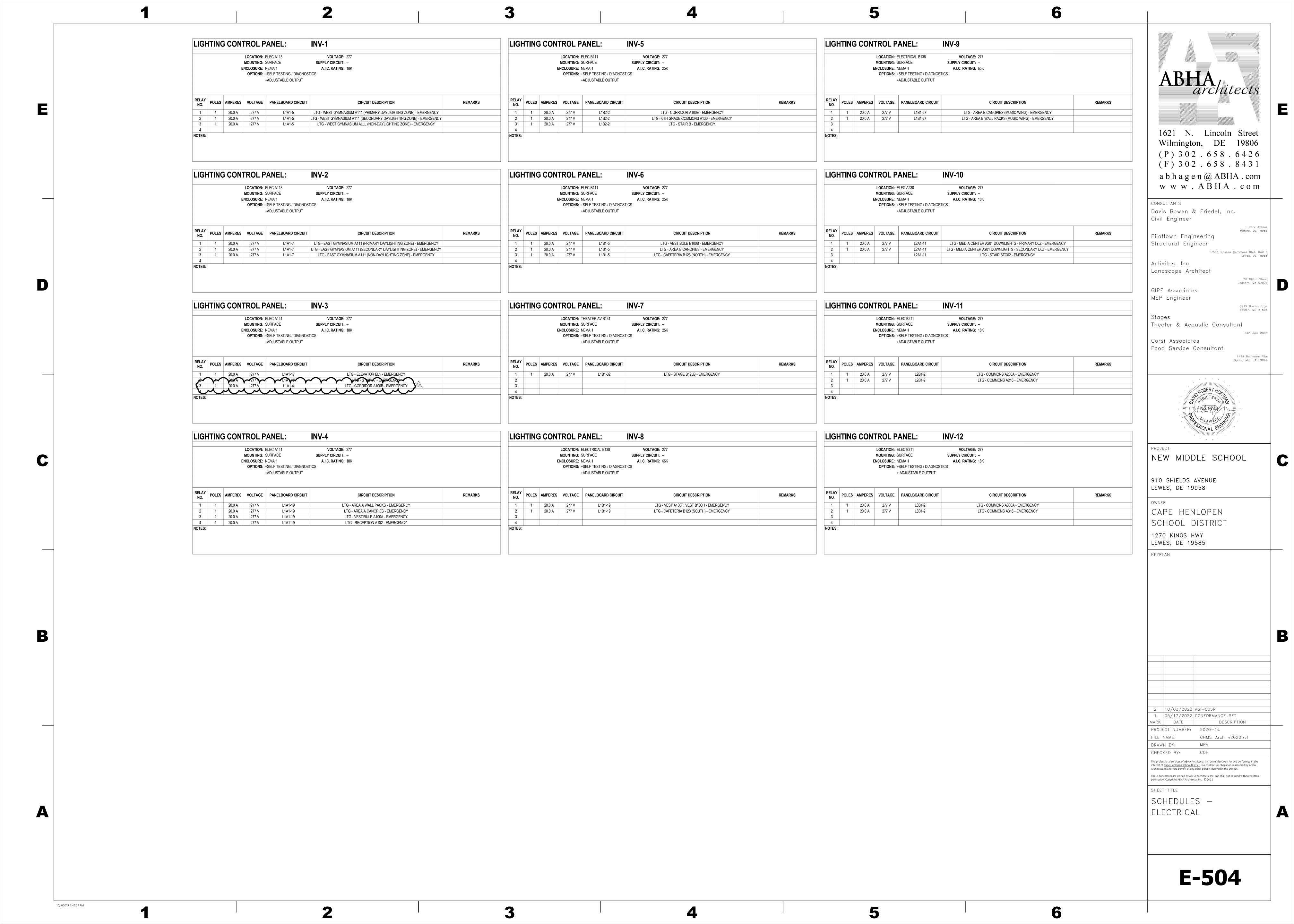












	OCCUPANCY SENSOR SCHEDULE TYPE BASIS OF DESIGN (NOTE 1) GENERAL INFORMATION COVERAGE INFORMATION (NOTE 3) OS# MANUFACTURER SERIES MOUNTING (NOTE 2) OPERATING VOLTAGE SENSING TECHNOLOGY(IES) DAYLIGHT SENSOR RANGE (SQ. FT.) PATTERN (DEGREES)	REMARKS VALUE VAL	ADLIA	
	OS1 HUBBELL NXSMP CEILING MOUNT 12-24 VAC/NDC PASSIVE INFRARED (PIR) DIMMING 2000 CIRCULAR 360 OS2 HUBBELL NXOS-OM-DT1 CEILING MOUNT 12-24 VAC/NDC DUAL TECHNOLOGY (PIR & U/S) - 600 CIRCULAR 360 OS3 HUBBELL NXOS-OM-DT2 CEILING MOUNT 12-24 VAC/NDC DUAL TECHNOLOGY (PIR & U/S) - 2000 CIRCULAR 360 OS4 HUBBELL NXOS-LODT CEILING CORNER MOUNT 12-24 VAC/NDC DUAL TECHNOLOGY (PIR & U/S) - WIDE ANGLE 120 OS5 HUBBELL NXOS-LODT WALL MOUNT 12-24 VAC/NDC DUAL TECHNOLOGY (PIR & U/S) - WIDE ANGLE 120 OS6 HUBBELL NXOS-LODT WALL MOUNT 12-24 VAC/NDC DUAL TECHNOLOGY (PIR & U/S) - WIDE ANGLE 120 OS6 HUBBELL WSP CEILING MOUNT 12-24 VAC/NDC PASSIVE INFRARED (PIR) - 2000 CIRCULAR 360 SSS HUBBELL LHMTS-1 WALL MOUNT SWITCH 120-277 VAC DUAL TECHNOLOGY (PIR & U/S) - 625 SEMI-CIRCULAR 180 SSS HUBBELL LHMTS-1 WALL MOUNT SWITCH 120-277 VAC DUAL TECHNOLOGY (PIR & U/S) - 625 SEMI-CIRCULAR 180 NOTES: 1. ONLY BASIS OF DESIGN MANUFACT URER AND SERIES HAS BEEN VERIFIED FOR PERFORMANCE. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, EQUIVALENT SENSORS BY OTHER MANUFACT URERS LISTED	TDC182 112.5 High Harmonic (K-RATED) 480 3 60 DELTA 120/208 3 60 WYE 98.79 47 3.70 PAD-MOUNTED NEMA1 37.52 31.3 28.43 80.2	ABHA architects 1621 N. Lincoln Street Wilmington, DE 19806	E
	IN THE SPECIFICATIONS MAY BE INCORPORATED INTO THE WORK. 2. MOUNTING INDICATED IS TYPICAL BASED ON SENSOR TYPE. REVIEW FLOOR PLAN DRAWINGS FOR ANY VARIATIONS. 3. COVERAGE PATTERNS AND RANGES ARE BASED ON BASIS OF DESIGN MANUFACTURER. 4. SEQUENCE OF OPERATION SHALL BE REVIEWED WITH OWNER'S REPRESENTATIVE PRIOR TO PROGRAMMING. MAKE ALL ADJUSTMENTS TO SUIT OWNER'S DESIRED SYSTEM OPERATION. 5. MOUNTING HEIGHT SHALL BE 9'-0" AFF U.O.N.	NOTES: 1. TRANSFORMERS SHALL BE LOW LOSS TYPE WITH MINIMUM EFFICIENCIES PER US DEPARTMENT OF ENERGY (DOE) 2016 STANDARDS, AS DEFINED IN THE CODE OF FEDERAL REGULATIONS, 10 CFR 431.192. 2. PROVIDE CONCRETE EQUIPMENT PAD AS DETAILED FOR PAD MOUNTED TRANSFORMERS. 3. DIMENSIONS AND WEIGHTS ARE NOMINAL AND ARE BASED ON BASIS-OF-DESIGN MANUFACTURER'S EQUIPMENT AND ALUMINUM WINDINGS. 4. REFER TO DIMSION 26 SPECIFICATION SECTION 'LOW-VOLTAGE TRANSFORMERS' FOR ADDITIONAL INFORMATION.	(P) 302.658.6426 (F) 302.658.8431 abhagen@ABHA.com www.ABHA.com	
	GENERAL REQUIREMENTS / CHARACT ERISTICS UNIT # KVA FLUID T YPE PRIMARY SECONDARY F TERMINATIONS TERMINATIONS CONF T-1 1500 ENVIROTEMP FR3 DEAD-FRONT 10-HOLE SPADE NOTES: 1. DIMENSIONS AND WEIGHT S ARE NOMINAL AND ARE BASED ON BASIS-OF-DESIGN MANUF 2. REFER TO DIMSION 26 SPECIFICATION SECTION "MEDIUM-VOLTAGE T RANSFORMERS"	ACTURER'S EQUIPMENT.	Davis Bowen & Friedel, Inc. Civil Engineer 1 Park Avenue Milford, DE 19963 Pilottown Engineering Structural Engineer 17585 Nassau Commons Blvd. Unit 3 Lewes, DE 19958 Activitas, Inc.	
	VOLTAGE: 120/240 1 PHASE, 3 WIRE	POWER CONDITIONING VOLTAGE REGULATOR SCHEDULE UNIT # KVA TYPE VOLTAGE PHASE FREQUENCY CONFIGURATION VOLTAGE PHASE FREQUENCY CONFIGURATION VOLTAGE PHASE FREQUENCY CONFIGURATION (%) BREAKER BREAKER #1 BREAKER #2 MOUNTING NEMA WIDTH DEPTH FEIGHT WEIGHT REMARKS (NOTE 4) (NOTE 2) RATING (INCHES) (INCHES	GIPE Associates MEP Engineer 8719 Brooks Drive Easton, MD 21601 Stages Theater & Acoustic Consultant 732-333-8003	D
	5 X 6 SPACE X 7 SPACE X 8 X X SPACE X X 10 X<	INVERTER SCHEDULE Basis of Design (Notes 1,2)	Corsi Associates Food Service Consultant 1489 Baltimore Pike Springfield, PA 19064	
	ENCLOSURE: NEMA 3R PHASE: A B TOTAL OPTIONS: +EQUIPMENT GROUND BAR TOTAL KVA: 0.2 0.2 0.3 DEMAND KVA: 0.3 TOTAL AMPERES: 1.3 0.8 1.4 NOTES: 1. PANELBOARD IS INTEGRAL TO COMMERCIAL SERVICE PEDESTAL. REFER TO "COMMERCIAL SERVICE PEDESTAL" SCHEDULE FOR ADDITIONAL INFORMATION.	INV-1	PROJECT NEW MIDDLE SCHOOL	
	UNDERGROUND HANDHOLE SCHEDULE HANDHOLE	INV-11 DUAL LITE LG 277 250 SURFACE NEMA1 16.75 11.75 6.37 7TH GRADE COMMONS, CORRIDOR 83 INV-12 DUAL LITE LG 277 250 SURFACE NEMA1 16.75 11.75 6.37 8TH GRADE COMMONS, CORRIDOR 101 NOTES: 1. ONLYBASIS OF DESIGN INVERTER INDICATED HAS BEEN VERIFIED FOR PERFORMANCE. 2. BYPROVIDING OTHER THAN BASIS OF DESIGN INVERTER, CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL NECESSARY ADJUSTMENTS AND MODIFICATIONS FOR A SAT ISFACT ORYINSTALLATION. 3. CONNECTED LOAD ON INVERTER SHALL NOT EXCEED 80% OF VARATING.	910 SHIELDS AVENUE LEWES, DE 19958 OWNER CAPE HENLOPEN SCHOOL DISTRICT	
	1. STACK BOXES OR PROVIDE EXTENSIONS AS REQUIRED TO ACCOMMODATE CONDUITS TERMINATING AT BOXES WITH TOP OF ENCLOSURE FLUSH WITH FINISHED GRADE ELEVATION. 2. ENCLOSURE COVERS SHALL BE HEAVY-DUTY BOLT-DOWN TYPE WITH GASKETING, UNLESS OTHERWISE NOTED. 3. TIER RATING APPLIES TO HANDHOLE ENCLOSURE AND COVER. TIER RATING SHALL BE IN DETERMINED IN COMPLIANCE WITH ANSI/SCTE 77-2007. 4. PROVIDE HANDHOLE AT EACH GROUND ROD AT GROUNDING TRIAD FOR TESTING, INSPECTION, ETC. UNDERGROUND DUCTBANK SCHEDULE DUCTBANK DENTIFICATION NUMBER CONDUIT DESCRIPTION QUANTITY(IES) SIZE(S) CONDUIT ARRANGMENT ENCASEMENT REMARKS DE1 PRIMARY ELECTRIC SERVICE 2 6° 2 x 1 DIRECT-BURIED NOTE 1 DE2 SECONDARY ELECTRIC SERVICE 9 3° 3° 3° 3° 3° 3° 3° 3° 3° 3° 3° 3° 3°	NETWORK WALL SWITCH SCHEDULE	1270 KINGS HWY LEWES, DE 19585 KEYPLAN	
B	DE3 FIRE PUMP SERVICE 2 1-1/2" 1 x 2 CONCRETE-ENCASED DE4 SCHOOL SITE SIGN 2 2" 2 x 1 DIRECT -BURIED DE5 OUTDOOR CLASSROOM 2 2" 2 x 1 DIRECT -BURIED NOTES: 1. REFER TO DUCT BANK DET AIL DRAWINGS FOR DUCT BANK INSTALLATION REQUIREMENTS.	SLWKP HUBBELL nPOD T OUCH - NOTES: 1. SEE SEQUENCES OF OPERATION FOR ADDITIONAL INFORMATION. NOTES: 2. REFER T O DIVISION 26 SPECIFICATION SECTION "DISCONNECT SWITCHES AND CIRCUIT BREAKERS" FOR ADDITIONAL INFORMATION.		В
	ENCLOSED CONTACTOR SCHEDULE CONTACTOR IDENTIFICATION LOCATION NO. OF POLES COIL VOLTAGE AREA SERVED REMARKS EC-1 BOILER ROOM 300 4 120VAC BOILERS & WATER HEATERS NOTE 1 NOTES: 1. CONTROL POWER CIRCUIT SHALL BE CONTROLLED VIA EPO SWITCH(ES) AT BOILER ROOM EXIT DOORS.	COMMERCIAL SERVICE PEDESTAL SCHEDULE TRANSFORMER TYPE VOLTAGE PHASE FREQUENCY MAIN OVERCURRENT LEVEL IMPEDANCE DESIGNATION NO. OF POLE HEIGHT WIDTH DEPTH WEIGHT WIDTH WIDT	2 10/03/2022 ASI-005R 1 05/17/2022 CONFORMANCE SET MARK DATE DESCRIPTION	
	POWER PACK SCHEDULE TYPE BASIS OF DESIGN (NOTE 1) GENERAL INFORMATION (NOTE 1) DIMMING OPERATING VOLTAGE PPD HUBBELL NXRCFX-2RD WALL/ABOVE CEILING 0-10VDC DIMMING OUT PUT 120-277 VAC PPL HUBBELL UVPP WALL/ABOVE CEILING - 120 VAC NOTES: 1. ONLY BASIS OF DESIGN MANUFACTURER AND SERIES HAS BEEN VERIFIED FOR PERFORMANCE. SUBJECT TO COMPLIANCE WITH REQUIREMENTS. EQUIVALENT POWER PACKS BY OTHER MANUFACTURERS LISTED IN THE SPECIFICATIONS MAY BE	RETRACTABLE CORD REEL SCHEDULE NO BASIS OF DESIGN SECEPTACLE OUTLET DATA CORD DATA REBUDATA MAINUFACTURER SERIES RECEPTACLE TYPE B.JOE TYPE CONFIGURATION (FT) (AWIG) CONNECTION TYPE REMARKS CR-1 HUBBELL FBL03-123 DUPLEX GFC I RECEPTACLE STRWIGHT BLADE 5-20R 35 12 5-FOOT PIGTAL WITH MATCHING PLUG NIGTES 12 NOTES 1 CORD LENGTHIS) SHALL BE FIELD VERHIED TO SUIT ACTURAL CONDUTIONS PRIOR TO ORDERINGAINST ALLATION. SELSTOP TO SET RECEPTACLE AT HEIGHT REQUIRED BY OWNER 2 PROVIDE PLENUM EVICLOSURE, HUBBELL HBLIPRBOX (OR APPROVED EQUAL)	PROJECT NUMBER: 2020–14 FILE NAME: CHMS_Arch_v2020.rv1 DRAWN BY: MPV CHECKED BY: CDH The professional services of ABHA Architects, Inc. are undertaken for and performed in the interest of Cape Henlopen School District No contractual obligation is assumed by ABHA Architects, Inc. for the benefit of any other person involved in the project. These documents are owned by ABHA Architects, Inc. and shall not be used without written permission. Copyright ABHA Architects, Inc. © 2022 SHEET TITLE SCHEDULES — ELECTRICAL	A
	INCORPORATED INTO THE WORK.		E-512	

B

C-312

1	2		3				4				•	5					6		
			BASIS OF DESIGN	APPROM	ED EQUAL(S)	INTERIO	R LIGHTING	E CHARACTERISTICS/E	PERFORMANCE		<u> </u>				NOMINAL DIMEI	VSIONS			
	TYPE DESCRI	PTION	(NOTE 1) MANUFACTURER SERIES	(NO MANUFACTURE COLUMBIA	OTE 2) R SERIES CFP	QTY. WATTAGE T	TYPE DELIVERED LUMENS		LPW LUMEN	MAINTENANCE (NOTE 3)	BALLAST / DRIVER QTY. TYPE	EMERGENCY INPL OPTION VA	JT INPUT VOLTAGE	LENGTH (INCHES)	WIDTH	DEPTH DIAMETE NCHES) (INCHES		REMARKS	ABHA
	A1 2X2 GLARE-FREE EDGE-LIT LED FLAT PANEL. SEAMLE AND IC RATED. PRODUCT IS NOT TO BE STORED IN N		LITHONIA EPANL LE	DAY-BRITE HE WILLIAMS METALUX COLUMBIA	FXP LP 22FP	1	LED 3,963	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	NONE 37	120-277VAC	23.7	23.7	2.19	RECESSED, ACT CEILING		ABHA architect
	A1E SAME AS TYPE "A1" WITH EMERGENCY OPTION		LITHONIA EPANL LE	DAY-BRITE HE WILLIAMS METALUX	FXP LP 22FP		LED 3,963	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL 37	120-277VAC	23.7	23.7	2.19	RECESSED, ACT CEILING		- 1621 N. Lincoln Stre
	A2 2X2 GLARE-FREE EDGE-LIT LED FLAT PANEL. SEAMLE AND IC RATED. PRODUCT IS NOT TO BE STORED IN N		LITHONIA EPANL LE	COLUMBIA DAY-BRITE ED HE WILLIAMS METALUX	CFP FXP LP 22FP	1	LED 4,730	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	NONE 45	120-277VAC	23.7	23.7	2.19	RECESSED, ACT CEILING		Wilmington, DE 198 (P) 302.658.642
	A2E SAME AS TYPE "A2" WITH EMERGENCY OPTION		LITHONIA EPANL LE	COLUMBIA DAY-BRIT E ED HE WILLIAMS METALUX	CFP FXP LP 22FP		LED 4,730	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL BATTERY 45	120-277VAC	23.7	23.7	2.19	RECESSED, ACT CEILING		(F) 302.658.843 abhagen@ABHA.c
	B1 2X2 GLARE-FREE EDGE-LIT LED FLAT PANEL. SEAMLE AND IC RATED. PRODUCT IS NOT TO BE STORED IN N		LITHONIA EPANL LE	COLUMBIA DAY-BRITE ED HE WILLIAMS METALUX	CFP FXP LP 22FP		LED 3,963	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	NONE 37	120-277VAC	23.7	23.7	2.19	RECESSED, GWB CEILING		CONSULTANTS Davis Bowen & Friedel, Inc.
	B1E SAME AS TYPE "B1" WITH EMERGENCY OPTION		LITHONIA EPANL LE	COLUMBIA DAY-BRIT E ED HE WILLIAMS METALUX	CFP FXP LP 22FP	1	LED 3,963	3500K 80	106 L9	60,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL BATTERY 37	120-277VAC	23.7	23.7	2.19	RECESSED, GWB CEILING		Civil Engineer Pilottown Engineering
	7'-0" LENGTH HIGH PERFORMANCE PERIMETER SLOTAND 6" REGRESSED OPTIC DEPTH AND TELESCOPIN CONDITION. BOOSTED LUMEN LIGHT OUT PUT WITH	G OPTION FOR BOTH LEFT AND RIGHT	FINELITE HP-WS	XAL HE WILLIAMS LITECONTROL DAY-O-LITE	MINO EDGE PX SAE 202 WPPL	1	LED 2,786	3500K 80	87 L9	100,000	0-10V DIMMING LED DRIVER,	NONE 32.	2 277VAC	84	4	4	RECESSED, GWB CEILING		Structural Engineer 17585 Nassau Commons B Lewes Activitas, Inc.
	LOCATION LISTED. 15'-0" LENGTH HIGH PERFORMANCE PERIMETER SLO	OT LED LUMINAIRE WITH WALL BRACKET		AXIS LUMENWERX XAL HE WILLIAMS	BEAM4 VIA 5 PERIMET ER MINO ED GE PX	2					1% MIN 0-10VDIMMING								Landscape Architect 70 N Dedham, GIPE Associates
	CB15 MOUNTING AND 6" REGRESSED OPTIC DEPTH AND T CONDITION. BOOSTED LUMEN LIGHT OUTPUT WITH LOCATION LISTED.		FINELITE HP-WS	DAY-O-LITE AXIS LUMENWERX HE WILLIAMS	SAE 202 WPPL BEAM4 VIA 5 PERIMETER 4DR		LED 5,970	3500K 80	87 L9	100,000	LED DRIVER, 1% MIN	NONE 69	277VAC	180	4	4	RECESSED, GWB CEILING		MEP Engineer 8719 E Easton, Stages
	D1 4" ROUND LED DOWNLIGHT WITH EXTRAWIDE DISTR	IBUTION AND SEMI-SPECULAR FINISH	PRESCOLITE LTR-4RI	LIGHT OLIER GOT HAM PORT FOLIO	P4R EVO4 LD4B	-	LED 644	3500K 80	83 L9	55,000	0-10V DIMMING LED DRIVER, 1% MIN	NONE 7.8	3 120-277VAC	14.36	14.09	4.97 4	RECESSED, GWB CEILING		Theater & Acoustic Consultant Toosi Associates Food Service Consultant
	D1E SAME AS TYPE "D1" WITH EMERGENCY OPTION		PRESCOLITE LTR-4RI	HE WILLIAMS LIGHT OLIER GOT HAM PORT FOLIO	4DR P4R EVO4 LD4B	1	LED 644	3500K 80	83 L9	55,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL 7.8	3 120-277VAC	14.36	14.09	4.97 4	RECESSED, GWB CEILING		1489 Bal Springfield
	D2 4" ROUND LED DOWNLIGHT WITH EXTRAWIDE DISTR	IBUTION AND SEMI-SPECULAR FINISH	PRESCOLITE LTR-4RI	HE WILLIAMS LIGHT OLIER GOTHAM PORTFOLIO	4DR P4R EVO4 LD4B	1	LED 1,030	3500K 80	86 L9	55,000	0-10V DIMMING LED DRIVER,	NONE 12	. 120-277VAC	14.36	14.09	4.97 4	RECESSED,		ROBERT HOLING
				PORTFOLIO HE WILLIAMS LIGHT OLIER	LD4B 4DR P4R		,				1% MIN						GWB CEILING		N. 9H. AWREL
	D2E SAME AS TYPE "D2" WITH EMERGENCY OPTION		PRESCOLITE LTR-4RI	O GOTHAM PORTFOLIO	EVO4 LD4B	1	LED 1,030	3500K 80	86 L9	55,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL 12 BATTERY	120-277VAC	14.36	14.09	4.97 4	RECESSED, GWB CEILING		PROJECT
	WALL MOUNTED EMERGENCY LIGHTING WITH 2 INTE E1 POLYCARBONATE HOUSING AND UV STABILIZED, HIG POLYCARBONATE SHIELD. MATTE WHITE FINISH.	· ·	KENALL METELH	CHLORIDE	CP-EMW SEVERE ECCO LUNA LEM54-N4 TPU		LED					INTERNAL 24	120-277VAC	20.5	9.5	5.96	SURFACE, WALL	NOT ES 5,10	NEW MIDDLE SCHOOL 910 SHIELDS AVENUE
	COMPACT INDOOR ARCHITECTURAL EMERGENCY LI E2 THERMOPLASTIC HOUSING, TWO (2) INTEGRAL FULL SELF DIAGNOSTICS. FINISH TO BE SELECTED BYARD	Y-ADJUSTABLE LED LAMP HEADS, AND SELF-TEST /	DUAL LITE EV4D	MULE SURE-LITES EVENTLITE LITHONIA	ARMA SELW WEAT HERWAY ELM2LF	1	LED					INTERNAL 2.8	8 120-277VAC	11	7	3.1875	SURFACE, WALL	NOT ES 5,10	LEWES, DE 19958 OWNER
	ER SURFACE MOUNT EMERGENCY REMOTE UNIT WITH POLYCARBONATE LENS AND (2) INTERNAL LAMPS AND		KEN A LL METER	DUAL LITE CHLORIDE SURE-LITES	DYN REMOTE TPR NXFR	1	LED					NONE 6.5	5 12VAC/DC	6.5	9.12	3.98	SURFACE, WALL	NOT ES 5,10	CAPE HENLOPEN SCHOOL DISTRICT 1270 KINGS HWY
	F4 4'-0" LINEAR SUSPENDED LENSED LED STRIPLIGHT W FROM CODE-GAUGE, COLD-ROLLED STEEL. DAMP LO		HE WILLIAMS 75R	LITHONIA LITHONIA COLUMBIA DAY-BRITE	ZL1D MPS FSS	1	LED 5,934	3500K 80	140 L7	50,000	0-10V DIMMING LED DRIVER,	NONE 42.	3 120-277VAC	48	2-9/16	3-5/16	SUSPENDED, AIRCRAFT CABLE	NOTE7	LEWES, DE 19585 KEYPLAN
	F4E SAME AS TYPE "F4" WITH EMERGENCY OPTION		HE WILLIAMS 75R	DELVIRO METALUX LITHONIA COLUMBIA DAY-BRITE	SNLED ZL1D MPS FSS	1	LED 5,934	3500K 80	140 L7	50,000	0-10V DIMMING LED DRIVER,	INTERNAL 42.	3 120-277VAC	48	2-9/16	3-5/16	SUSPENDED, AIRCRAFT CABLE	NOTE7	
	16" ROUND HIGH BAYLED LUMINAIRE. DIE-CAST ALUM G THREADED CONDUIT WITH MEDIUM LUMEN OUTPUT		HUBBELL UT B2	DELVIRO METALUX LITHONIA METALUX	ZIP SNLED JCBL RHB		LED 18 846	3500K 80	148 1.8	60,000	0-10V DIMMING LED DRIVER,		8 120-277VAC			20 16	SUSPENDED,	NOTE7	
	WIRE GUARD, AND LUMINAIRE RETAINER. 4" NON-CONDUCTIVE RECESSED LED SHOWER LIGHT		0102	DAY-BRITE GOTHAM LIGHTOLIER	RBX EVO P4R-SL					30,000	10% MIN 0-10V DIMMING	12	.20 211 0/10				SINGLE STEM RECESSED,		
	H ACRYLIC, REGRESS LENS, WHITE PAINTED FLANGE, 1 VERTICAL ADJUSTMENT, WET LOCATION LISTED. SM	6 GAUGE GALVANIZED STEEL CONTRUCTION, 4"	PRESCOLITE LTR-4RD (SH) HE WILLIAMS LF ILLUMINAT IO DMF COOPER	6DR N VF150 DRD2 HALO	1		3500K 80	49 L9	50,000	LED DRIVER, 1% MIN	NONE 12	120-277VAC	14.09	11.68	4.97 4	GWB CEILING (SHOWER)		
	J 4" ROUND LED DOWNLIGHT WITH EXTRAWIDE DISTR	IBUTION AND SEMI-SPECULAR FINISH. IC RATED.	PRESCOLITE LTR-4RI	HE WILLIAMS LIGHT OLIER GOT HAM PORT FOLIO	4DR P4R EVO4 LD4B	1		(NOT USED) 3500K 80	86 L9	55,000	0-10VDIMMING LED DRIVER,	NONE 12	120-277VAC	14.36	14.09	4.97 4	RECESSED, CANOPY		
	21 All 21 All DEACASED TRACEED 55 1 11 1 11 11 11 11 11 11 11 11 11 11	10.125" TUICK AODM IOLENS (SMOOTH SEE		LITHONIA HE WILLIAMS	2GTL 50 STATIC						1% MIN 0-10VDIMMING								2 10/03/2022 ASI-005R 1 05/17/2022 CONFORMANCE SET
	2'-0" x 2'-0" RECESSED TROFFER LED LUMINAIRE WITI DOWN), FLUSH ALUMINUM DOOR (WHITE), TRIPLE NE	,	COLUMBIA LJT22	VISCOR EAT ON DAY-BRITE METALUX LITHONIA	LRTA GRW KTR100 22GR 2GTL		LED 4,265	3500K 80	103 L8	60,000	LED DRIVER, 1% MIN	NONE 42	120-277VAC	24	24	4-1/4	RECESSED, ACT CEILING		MARK DATE DESCRIPTION PROJECT NUMBER: 2020-14 FILE NAME: CHMS_Arch_v2020.rvt DRAWN BY: MPV
	KE SAME AS TYPE "K" WITH EMERGENCY OPTION		COLUMBIA LJT22	HE WILLIAMS	50 STATIC LRTA GRW KTR100 22GR		LED 4,265	3500K 80	103 L8	60,000	0-10V DIMMING LED DRIVER, 1% MIN	INTERNAL 42	120-277VAC	24	24	4-1/4	RECESSED, ACT CEILING		CHECKED BY: CDH The professional services of ABHA Architects, Inc. are undertaken for and perforn interest of Cape Henlopen School District. No contractual obligation is assumed by Architects, Inc. for the benefit of any other person involved in the project.
	4'-0" SURFACE MOUNT ED LED LUMINAIRE, SUIT ABLE 5VA FIBERGLASS HOUSING WITH INTEGRAL PERIMET PLACE CLOSED CELL GASKET. LOW PROFILE HOUSIN LOCATION FITTINGS.	ER CHANNEL UTILIZING CONTINUOUS POURED-IN-	LITHONIA FEM LEI	DAY-BRITE HE WILLIAMS	V3W 96 VTS4 VAPORTITE	1	LED 3,482	3500K 80	163 L8	60,000	0-10V DIMMING LED DRIVER, 10% MIN	NONE 23.	8 120-277VAC	51-3/4	6.8	4.2	SURFACE		These documents are owned by ABHA Architects, Inc. and shall not be used with permission. Copyright ABHA Architects, Inc. © 2022 SHEET TITLE
	<u> </u>	······································		SPRING LIGHTIN				(NOT USED)										}	SCHEDULES — ELECTRICAL
	ML2 10" DECORATIVE LUMINOUS PENDANT - LOW OUTPU' ALUMINUM CONSTRUCTION.		SPI LIGHTING VALLEJO	10" BARBICAN LUMOS BOCK LIGHTING	HPC LC10 ACP410		LED 883	3500K 80	98 L8	60,000	LED DRIVER, 1% MIN	NONE 9	120-277VAC			12 10	SUSPENDED, SINGLE STEM	NOTE7	
	MH2 10" DECORATIVE LUMINOUS PENDANT - HIGH OUTPU	T. WHITE MATTE ACRYLIC DIFFUSER WITH	SPI LIGHTING VALLEJO	10" BARBICAN LUMOS BOCK LIGHTING	HPC LC10 ACP410		LED 1,570	3500K 80	98 L8	60,000	0-10V DIMMING LED DRIVER, 1% MIN	NONE 16	120-277VAC			12 10	SUSPENDED, SINGLE STEM	NOTE7	E-513
																			L-313

1	2	3			4				5				6		
		BASIS OF DESIGN	APPROVED			G FIXTURE SCH					NOMINI	AL DIMENSIONS			
	TYPE DESCRIPTION	(NOTE 1) MANUFACTURER SERIES	(NOT	E2) OTY WATT	AGE TYPE DELIVER		PW LUMEN MAINT ENAM	HOURS QTY. TYPE	EMERGENCY INPU OPTION VA	T INPUT L VOLTAGE (ENGTH WIDTH		MOUNTING NCHES)	REMARKS	ARLIA
	DECORATIVE FOUR-TIERED CASCADING CHANDELIER. INTEGRATED SURGE PROTECT OPAL ACRYLIC DIFFUSER AND ALUMINUM CONSTRUCTION. MONOPOINT CANOPYWING AND ENERGIZED CABLES. 80% DOWN, 20% UP DISTRIBUTION. CUSTOM TILT, OVERAL SPACING BETWEEN TIERS TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING OF THE PROTECT OF THE P	TH POWER SUPPLY L HEIGHT, AND SPILIGHTING TIERS	INTERLUX DELRAY LUMOS WESTPORT	TOUR DOS RPM ECLIPSE	LED 16,823	3500K 80 :	57 L70	0-10V DIMMING 50,000 LED DRIVER, 1% MIN	NONE 284	120-277VAC	SEE F	LOOR PLANS	MONOPOINT CANOPY	NOTE7	ABHA architects
	8'-0" LINEAR SUSPENDED LENSED LED STRIPLIGHT WITH ROUND LENS. CHANNEL AN FROM CODE-GAUGE, COLD-ROLLED STEEL. DAMP LOCATION LISTED. MATTE BLACK	I HEWILIAMS I 75B	LITHONIA COLUMBIA DAY-BRITE DELVIRO METALUX	ZL1D MPS FSS ZIP SNLED	LED 12,28		52 L70	0-10V DIMMING 50,000 LED DRIVER, 1% MIN		120-277VAC	96 2-9/16	3-5/16	SUSPENDED, AIRCRAFT CABLE	NOTE7	1621 N. Lincoln Street Wilmington, DE 19806
	4'-0" INDIRECT/DIRECT LED LUMINAIRE WITH STANDARD LUMEN UPLIGHT OUTPUT A LUMEN DOWNLIGHT OUTPUT. DIE-FORMED 20-GAUGE COLD-ROLLED STEEL REFLE REFLECTANCE MATTE WHITE POWDER COAT PAINT AND FROST WHITE SNAP-IN LEN DIFFUSER.	CT ORS WITH HIGH	LITECONTROL NEO-RAY LUXILLUMINAIRE HE WILLIAMS PAL LIGHTING	MOD2 I/D DEFINE 2 EOS 2.0 MX2UD MLS2-I/D	LED 3,196	(NOT USED) 3500K 80	17 L90	0-10V DIMMING 100,000 LED DRIVER, 1% MIN	NONE 32.8	277VAC	48 2-1/4	4	SUSPENDED, AIRCRAFT CABLE	NOTE7	(P) 302.658.6426 (F) 302.658.8431 abhagen@ABHA.com
	8'-0" INDIRECT/DIRECT LED LUMINAIRE WITH STANDARD LUMEN UPLIGHT OUTPUT A LUMEN DOWNLIGHT OUTPUT. DIE-FORMED 20-GAUGE COLD-ROLLED STEEL REFLE REFLECTANCE MATTE WHITE POWDER COAT PAINT AND FROST WHITE SNAP-IN LEN DIFFUSER.	CT ORS WITH HIGH	PAL LIGHTING	DEFINE 2 EOS 2.0 MX2UD MLS2-I/D	LED 6,392	3500K 80 !	17 L90	0-10V DIMMING 100,000 LED DRIVER, 1% MIN	NONE 65.6	277VAC	96 2-1/4	4	SUSPENDED, AIRCRAFT CABLE	NOTE7	CONSULTANTS Davis Bowen & Friedel, Inc. Civil Engineer
	R8E SAME AS TYPE "R8" WITH EMERGENCY OPTION	FINELITE HP-2 ID	MARK LITECONTROL NEO-RAY LUXILLUMINAIRE HE WILLIAMS PAL LIGHTING MARK	S2LID MOD2 VD DEFINE 2 EOS 2.0 MX2UD MLS2-I/D S2LID	LED 6,392	3500K 80 9	7 L90	0-10V DIMMING 100,000 LED DRIVER, 1% MIN		277VAC	96 2-1/4	4	SUSPENDED, AIRCRAFT CABLE	NOTE7	Civil Engineer 1 Park A Milford, DE A Pilottown Engineering Structural Engineer
	2'-0" WALL MOUNT FIXTURE WITH DIRECT/HIGH DOWNLIGHT OUTPUT AND FLUSH DI S2 PRECISION CUT EXTRUDED ALUMINUM BODY AND DIE-FORMED 20-GAUGE COLD-RO REFLECT ORS.		LITECONTROL AXIS	MOD 2L BEAM 2	LED 1,250	3500K 80	18 L90	100,000 ELECTRONIC LED DRIVER	NONE 14	277VAC	24 2-1/4	4	SURFACE, WALL		Activitas, Inc. Landscape Architect 70 Milton Dedham, MA C
	2'-0" WALL MOUNT FIXTURE WITH INDIRECT/HIGH UPLIGHT AND DIRECT/HIGH DOWN T2 AND FLUSH DIFFUSER. PRECISION CUT EXTRUDED ALUMINUM BODY AND DIE-FORM ROLLED STEEL REFLECTORS.		LITECONTROL AXIS	MOD 2L BEAM 2	LED 3,290	3500K 80 1	00 L90	100,000 ELECTRONIC LED DRIVER	NONE 28	277VAC	24 2-1/4	4	SURFACE, WALL		GIPE Associates MEP Engineer 8719 Brooks Easton, MD 2 Stages
	4'-0" WALL MOUNT FIXTURE WITH DIRECT/HIGH DOWNLIGHT OUTPUT AND FLUSH DI U4 PRECISION CUT EXTRUDED ALUMINUM BODY AND DIE-FORMED 20-GAUGE COLD-RO REFLECT ORS. INTEGRAL OCCUPANCY SENSOR		NEO-RAY MARK	MOD 2L BEAM 2 MLP2 EOS 2.0 DEFINE 2 S2LWD	LED 2,500	3500K 80	18 L90	100,000 ELECTRONIC LED DRIVER	NONE 28	277VAC	48 2-1/4	4	SURFACE, WALL		Theater & Acoustic Consultant 732-333- Corsi Associates Food Service Consultant
	8'-0" LINEAR SUSPENDED LENSED LED STRIPLIGHT WITH ROUND LENS. CHANNEL AN FROM CODE-GAUGE, COLD-ROLLED STEEL. DAMP LOCATION LISTED.	HE WILLIAMS /5R	LITHONIA COLUMBIA DAY-BRITE DELVIRO MET ALUX	ZIP SNLED		3500K 80 15		0-10V DIMMING 50,000 LED DRIVER, 1% MIN		120-277VAC			SUSPENDED, AIRCRAFT CABLE		Springfield, PA
	4'-0" DIRECT LED LUMINAIRE WITH BOOSTED LUMEN OUT PUT. DIE-FORMED 20-GAUG W4 STEEL REFLECT ORS WITH HIGH REFLECTANCE MATTE WHITE POWDER COAT PAIN' WHITE SNAP-IN LENS. FLUSH DIFFUSER.	GE COLD-ROLLED F AND FROST FINELITE HP-2 R	AXIS PAL LIGHTING LUXILLUMINAIRE NEO-RAY MARK	BEAM2 MLR2 EOS 2.0 DEFINE 2	LED 2,556	3500K 80 5	10 L90	100,000 0-10V DIMMING LED DRIVER, 1% MIN	NONE 28.4	120-277VAC	48 2-1/4	4	RECESSED, ACT CEILING		IND. 9473
	W4E W4E CUREAGE MOUNT ERROR UT LED EVIT GION MATER OF EAR IN JECTION M					(NOT USED)									PROJECT
	UNIVERSAL SURFACE MOUNT EDGE-LIT LED EXIT SIGN. WATER-CLEAR INJECTION-M PLAQUE WITH HIGH STRENGTH EXTRUDED ALUMINUM TRIM. GALVANIZED STEEL HO CONCEALED MOUNTING HARDWARE. MIRROR PLAQUE BACKGROUND. FINISH BY ARC LETTER COLOR BY AHJ.	OUSING WITH FULLY	BEGHELLI SURE-LITES EVENLITE MULE LITHONIA ISOLITE	CURVA	LED				INTERNAL 3.3	120-277VAC	7-1/2 14-3/8	1/2	UNIVERSAL (WALL,CEILING)	NOT ES 5,6,10	NEW MIDDLE SCHOOL 910 SHIELDS AVENUE
	UNIVERSALLY-MOUNTED LED EXIT SIGN WITH NI-CAD BATTERY; UV STABLE THERMO X2 DAMP LOCATION LISTED; IMPACT AND SCRATCH RESISTANT, CORROSION PROOF AI FINISH BY ARCHITECT AND LETTER COLOR BY AHJ.		LIGHTALARMS BEGHELLI SURE-LITES EVENLITE MULE LITHONIA	QLX VA4 LPX TLX MX LQM	LED				INTERNAL 2.01	120-277VAC	9.63 11.5	1-1/2	UNIVERSAL (WALL,CEILING)	NOTES 5,6,10	OWNER CAPE HENLOPEN COLLOCAL DISTRICT
	WALL MOUNTED EXIT SIGN WITH HIGH IMPACT, INJECTION MOLDED CLEAR POLYCA HOUSING, STANDARD EMERGENCY BATTERY PACK. FINISH BY ARCHITECT AND LETT	I KENAH I METSH	ISOLITE LIGHTALARMS BEGHELLI SURE-LITES EVENLITE MULE	TWL WLMX	LED				INTERNAL BATTERY 5	120-277VAC	9.55 14	3.27	UNIVERSAL (WALL,CEILING)	NOTES 5,6,10	SCHOOL DISTRICT 1270 KINGS HWY LEWES, DE 19585 KEYPLAN
	X4 SAME AS TYPE "X1" WITH BLACK FINISH.	DUAL-LITE LES	LITHONIA ISOLITE LIGHTALARMS BEGHELLI SURE-LITES EVENLITE MULE	WLTE EUG SIMPLICITY CURVA EUX SOV	LED				INTERNAL BATTERY 3.3	120-277VAC	7-1/2 14-3/8	1/2	UNIVERSAL (WALL,CEILING)	NOTES 5,6,10	
	WALL MOUNTED EXITIEMERGENCY COMBO UNIT WITH HIGH IMPACT POLYCARBONA X5 CONSTRUCTION, COLD WEATHER BATTERYWITH REMOTE CAPACITY, (2) 6.5W LED BE LAMPS, LIFETIME WARRANTY. FINISH BY ARCHITECT AND LETTER COLOR BY AHJ.		LITHONIA ISOLITE FAIL-SAFE LIGHTALARMS DUAL-LITE EVENLITE	EDG MAX-C DYNC TWLCOM	LED				INTERNAL BATTERY 40	120-277VAC	7-1/2 14-3/8	1/2	UNIVERSAL (WALL,CEILING)	NOTES 5,6,10	
	END MOUNT EDGE-LIT EXIT SIGN WITH CUSTOM LETTERING TO READ "AREA OF RE X6 WHEELCHAIR SYMBOL. DOUBLE FACE SIGN WITH RED LETTERING AND DIRECTIONAL		MULE LITHONIA ISOLITE LIGHTALARMS BEGHELLI SURE-LITES	CWL WLTC EUG SIMPLICITY CURVA EUX	LED				INTERNAL BATTERY 3.4	120-277VAC	7-1/2 15-3/8	1/2	END MOUNT	NOTE 6	
	INDICATED ON THE FLOOR PLANS. SAT IN ALUMINUM FINISH WITH MIRROR-PLAQUE E Y1 EXTERIOR WALL PACKARCHITECTURAL LOW GLARE LED EXTERIOR WALL PACK WITH	WIDE THROW HUBBELL TRP	EVENLITE MULE EXIT RONIX LIT HONIA HE WILLIAMS NLS	SOV CEL 903E WST WP TRAC SLOPE	LED 4,843	3000K 70 1	45 L70	0-10V DIMMING 60,000 LED DRIVER,	3	120-277VAC	16.68 9.65	7.25	SURFACE,	NOTE 8	
	ARCHITECTURAL SLIM PROFILE MINIMALIST LED RING FIXTURE WITH 3' DIAMETER. A Z3 HOUSING WITH POWER SUPPLY INTEGRATED IN CANOPY. MATTE OPAL ACRYLIC DIFF	LUMINUM		TOUR DOS		3500K 80 !		10% MIN 0-10V DIMMING 50,000 LED DRIVER,	1	120-277VAC			35.5 SUSPENDED, AIRCRAFT CABLE	NOTE 7	2 10/03/2022 ASI-005R 1 05/17/2022 CONFORMANCE SET MARK DATE DESCRIPTION PROJECT NUMBER: 2020-14
	ALUMINUM CONSTRUCTION. 80% DOWN, 20% UP DISTRIBUTION. ARCHITECTURAL SLIM PROFILE MINIMALIST LED RING FIXTURE WITH 4' DIAMETER. A HOUSING WITH POWER SUPPLY INTEGRATED IN CANOPY. MATTE OPAL ACRYLIC DIFF ALUMINUM CONSTRUCTION. 80% DOWN, 20% UP DISTRIBUTION.		LUMOS WESTPORT INTERLUX DELRAY LUMOS WESTPORT	RPM ECLIPSE TOUR DOS RPM ECLIPSE	LED 2,605	3500K 80	9 L70	1% MIN 0-10V DIMMING 50,000 LED DRIVER, 1% MIN	NONE 44	120-277VAC	1.2	1.2	SUSPENDED, AIRCRAFT CABLE	NOTE 7	FILE NAME: CHMS_Arch_v2020.rv† DRAWN BY: MPV CHECKED BY: CDH The professional services of ABHA Architects, Inc. are undertaken for and performed in tinterest of Cape Henlopen School District No contractual obligation is assumed by ABHA Architects, Inc. for the benefit of any other person involved in the project.
	ARCHITECTURAL SLIM PROFILE MINIMALIST LED RING FIXTURE WITH 5' DIAMETER. A Z5 HOUSING WITH POWER SUPPLY INTEGRATED IN CANOPY. MATTE OPAL ACRYLIC DIFF ALUMINUM CONSTRUCTION. 80% DOWN, 20% UP DISTRIBUTION.		INTERLUX	TOUR DOS RPM ECLIPSE 4DR	LED 3,197	3500K 80 !	9 L70	0-10V DIMMING 50,000 LED DRIVER, 1% MIN	NONE 54	120-277VAC	1.2	1.2	58.6 SUSPENDED, AIRCRAFT CABLE	NOTE 7	These documents are owned by ABHA Architects, Inc. and shall not be used without writ permission. Copyright ABHA Architects, Inc. © 2022 SHEET TITLE SCHEDULES —
	4" ROUND LED DOWNLIGHT WITH EXTRAWIDE DISTRIBUTION AND SEMI-SPECULAR F	FINISH. BLACK PRESCOLITE LTR-4RD	LIGHTOLIER GOTHAM PORTFOLIO HE WILLIAMS	4DR	LED 1,030	3500K 90	6 L90	55,000 0-10V DIMMING LED DRIVER, 1% MIN	NONE 12	120-277VAC	14.36 14.09	4.97	4 RECESSED, GWB CEILING		ELECTRICAL
	AAE SAME AS TYPE "AA" WITH EMERGENCY OPTION	PRESCOLITE LTR-4RD	LIGHT OLIER GOT HAM	P4R EVO4 LD4B	LED 1,030	3500K 90	6 L90	0-10V DIMMING 55,000 LED DRIVER, 1% MIN	NONE 12	120-277VAC	14.36 14.09	4.97	4 RECESSED, GWB CEILING		E-514
1	2	3			4				5				6		

	2	3	4	5		
			INTERIOR LIGHTING FIXTURE SCHEDULI			
	TYPE	BASIS OF DESIGN (NOTE 1) MANUFACTURER SERIES MAN		BALLAST / DRIVER EMERGENCY OPTION VA VOLTAGE INPUT VOLTAGE INCHES) NOMINAL INPUT VOLTAGE LENGTH WIDTH (INCHES)	DIMENSIONS DEPTH DIAMETER MOUNTING REMARKS (INCHES) (INCHES)	ADLIA
		D LED LUMINAIRE. EXTRUDED ALUMINUM HOUSING WITH HOUSING. IP65 AND IK10 RATED. FINISH TO BE SELECTED ARCHITECTURAL LIGHTING EDGE EV3WET	PAL ML3WL SELUX L125R1 LED 9,592 3000K 80 92 L	90 36,700 - LED DRIVER, 1% NONE 103.4 120-277VAC 264 3-11/16	4-13/16 RECESSED, CANOPY	ABHA architects
		ITH ACRYLIC LENS AND DIE-CAST ALUMINUM HOUSING AT FINISH. IMPACT RESISTANT DIFFUSER. FINISH TO BE HUBBELL LSQ L	(NOT USED) ILP CP LITHONIA CNY LED 3,055 4000K 70 126 I	70 185,000 LED DRIVER, NONE 24.3 277VAC 10 10	4 SURFACE, CANOPY	1621 N. Lincoln Street
		ED STRIPLIGHT WITH ROUND LENS. CHANNEL AND COVER HE WILLIAMS 75R D	LITHONIA ZL1D COLUMBIA MPS DAY-BRITE FSS LED 2,470 4000K 80 135.5 I DELVIRO ZIP	90 50,000 ELECTRONIC NONE 18.2 120-277VAC 24 2-3/4	2 SURFACE, CEILING	Wilmington, DE 19806 (P) 3 0 2 . 6 5 8 . 6 4 2 6 (F) 3 0 2 . 6 5 8 . 8 4 3
	REQUIRING ADDITIONAL SUPPORTS. HIGH OL FEED ON BACK OF FIXTURE. QUICK CONNECT	TEM FOR INSTALLATION ON T-BAR CEILING GRID WITHOUT JT PUT . FROSTED LENS. 15/16" T-BAR MOUNTING. POWER- TS AND/OR WIRE LEADS AS REQUIRED. WHITE POWDER LUMINII BARA-HE	JLC TECH T-BAR LED	70 50,000 - SUPPLYWITH 0- NONE 18.2 120-277VAC 24 0.93	0.4 SURFACE, T-BAR	a b h a g e n @ ABHA. con w w w . ABHA. con
	TTT4 SAME AS TYPE "TTT2" EXCEPT 4'-0" LENGTH.		JLC TECH T-BAR LED LED 3,168 4000K 80 87 L	70 50,000 - SUPPLYWITH 0- NONE 36.4 120-277VAC 48 0.93	0.4 SURFACE, T-BAR	CONSULTANTS Davis Bowen & Friedel, Inc. Civil Engineer
	NOTES: 1. ONLY BASIS OF DESIGN FIXTURE INDICATED HAS BE 2. ALTERNATE MANUFACTURERS INCLUDE, BUT ARE N	EEN VERIFIED FOR PERFORMANCE.	ED FIXTURE(S); FIXTURE(S) MUST COMPLYWITH PROJECT REQUIREMENTS AND MEET OR EXCEED BASIS OF DESIGN FI	XTURE(S) PERFORMANCE.		Pilottown Engineering Structural Engineer
	4. COORDINATE EXACT MOUNTING HEIGHT AND LOCA 5. EMERGENCYLIGHTS AND/OR EXIT SIGNS SHALL BE 6. CONFIGURE MOUNTING, FACE CONFIGURATIONS A 7. FIXTURE SHALL BE SUSPENDED TO HEIGHT INDICA	ATION WITH ARCHITECT. EMOUNTED 8'-0" AFF UON. WHERE INSTALLED ABOVE DOORS, FIXTURE HEIGHT SHALL BE FIELD COORDINA AND CHEVRON INDICATORS WITH SYMBOLS ON THE FLOOR PLANS. ITED ON DRAWINGS. FIELD VERIFY SUSPENSION LENGTH PRIOR TO ORDERING.	ATED.			Activitas, Inc. Landscape Architect
	9. COORDINATE CEILING TYPE WITH ARCHITECTURAL 10. ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTU 11. DRIVER SHALL BE REMOTE MOUNTED. INSTALL CA 12. FIXTURE SHALL BE SUSPENDED FROM CHANDELIE	JRES, INCLUDING REMOTE HEADS, SHALL BE OF THE SAME MANUFACTURER AND SERIES. AUTION/WARNING LABELS ON INTERIOR OF DRIVER ENCLOSURE AND PAINT DRIVER ENCLOSURE TO MATC ER LIFT TO RAISE/LOWER FOR WRESTLING EVENTS. SET UPPER LIMIT SUCH THAT FIXTURE IS SAME HEIGH				GIPE Associates MEP Engineer
	14 BASIS OF DESIGNEIXTURE IS LINE VOLTAGE, ALTE 15. LUMINAIRES SHALL CLIPTOT-BAR CEILING. PROVI	BE AS INDICATED ON FLOOR PLANS AND/OR DETAILS. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING. FRNATE FIXTURE(S) ARE 24V. QUANTITIES AND LOCATIONS OF ROWER SUPPLY(IES) MUST BE FIELD VERIFIE IDE POWER SUPPLIES OF SUFFICIENT CAPACITY AND QUANTITY TO SUIT QUANTITY AND CIRCUITING ARRAI	ANGEMENT OF FIXTURES. SEE FLOOR PLANS.			Stages Theater & Acoustic Consultant
TYPE DESCRIPTION BASIS OF D	· · · · · · · · · · · · · · · · · · ·	EXTERIOR LIGH LIGHT SOURCE CHARACTERISTICS/PERFORMANCE	HTING FIXTURE SCHEDULE OPTICS BALLAST / DRIVER	LUMINARES INPUT INPUT NOMINAL DIMENSIONS	POLE REMARKS	Corsi Associates Food Service Consultant
(NOTE MANUFACTURER SQUARE LED AREA LUMINAIRE CONSTRUCTED WITH ONE-PIECE DIE-CAST ALUMINUM	SERIES MANUFACTURER SERIES COOPER TLM	Y. WATTAGE TYPE LUMENS CCT CRI (MIN) (MIN) L-RATING HOURS	DISTRIBUTION OPTIONS B U G QTY. TYPE CURRENT (mA) QT	V MOLINTING OPENTATION VA VOLTAGE LENGTH WIDTH DEPTH HE	EET) STYLE MATERIAL	Spingross,
HOUSING. IP66 ENCLOSURE RATING. HOUSING AND ARE FINISHED IN TIGIC POLYESTER SA1 POWDER COAT PAINT, 2.5 MIL NOMINAL THICKNESS. FINISH SELECTED BY ARCHITECT. FIXTURE SHALL HAVE WAVELINX OUTDOOR CONTROL MODULE FOR ON AT DUSK / OFF AT DAWN OPERATION, OCCUPIED AT FULL, VACANT AT 50% OUTPUT. SQUARE LED AREA LUMINAIRE CONSTRUCTED WITH ONE-PIECE DIE-CAST ALUMINUM	ARX16 LITHONIA DSX1 GARDCO P26	- LED 15,420 3000K 70 122 L95 60,000	TYPE III 3 0 3 1 0-10V DIMMING LED DRIVER 530mA 1	8" ARM 90 DEGREES 127 277VAC 23-1/4" 16-1/4" 8"	20 SQUARE, STRAIGHT ALUMINUM	ROBERT HOME
HOUSING. IP66 ENCLOSURE RATING. HOUSING AND ARE FINISHED IN TIGIC POLYESTER SA2 POWDER COAT PAINT, 2.5 MIL NOMINAL THICKNESS. FINISH SELECTED BY ARCHITECT. FIXTURE SHALL HAVE WAVELINX OUTDOOR CONTROL MODULE FOR ON AT DUSK / OFF AT DAWN OPERATION, OCCUPIED AT FULL, VACANT AT 50% OUTPUT.	ARX16 COOPER TLM LITHONIA DSX1 GARDCO P26	- LED 15,420 3000K 70 122 L95 60,000	TYPE III 3 0 3 2 0-10V DIMMING LED DRIVER 530mA 1	8" ARM 180 DEGREES 127 277VAC 23-1/4" 16-1/4" 8"	20 SQUARE, STRAIGHT ALUMINUM	SONAL ENGINEER
SQUARE LED AREA LUMINAIRE CONSTRUCTED WITH ONE-PIECE DIE-CAST ALUMINUM HOUSING. IP66 ENCLOSURE RATING. HOUSING AND ARE FINISHED IN TIGIC POLYESTER SA3 POWDER COAT PAINT, 2.5 MIL NOMINAL THICKNESS. FINISH SELECTED BY ARCHITECT. FIXTURE SHALL HAVE WAVELINX OUTDOOR CONTROL MODULE FOR ON AT DUSK / OFF AT DAWN OPERATION, OCCUPIED AT FULL, VACANT AT 50% OUTPUT.	COOPER TLM LITHONIA DSX1 GARDCO P26	- LED 15,110 3000K 70 119 L95 60,000	TYPE IV 2 0 3 2 0-10V DIMMING LED DRIVER 530mA 1	8" ARM 180 DEGREES 127 277VAC 23-1/4" 16-1/4" 8"	20 SQUARE, STRAIGHT ALUMINUM	NEW MIDDLE SCHOOL
SQUARE LED AREA LUMINAIRE CONSTRUCTED WITH ONE-PIECE DIE-CAST ALUMINUM HOUSING. IP66 ENCLOSURE RATING. HOUSING AND ARE FINISHED IN TIGIC POLYESTER POWDER COAT PAINT, 2.5 MIL NOMINAL THICKNESS. FINISH SELECTED BY ARCHITECT. FACT ORY INSTALLED HOUSE SIDE SHIELD. FIXTURE SHALL HAVE WAVELINX OUTDOOR CONTROL MODULE FOR ON AT DUSK / OFF AT DAWN OPERATION, OCCUPIED AT FULL,	COOPER TLM ARX16 LITHONIA DSX1 GARDCO P26	- LED 15,181 3000K 70 119 L95 60,000	SL3 2 0 3 1 0-10V DIMMING 530mA 1	8" ARM 90 DEGREES 127 277VAC 23-1/4" 16-1/4" 8"	20 SQUARE, STRAIGHT ALUMINUM	910 SHIELDS AVENUE LEWES, DE 19958 OWNER CAPE HENLOPEN
VACANT AT 50% OUT PUT. SQUARE LED AREA LUMINAIRE CONSTRUCTED WITH ONE-PIECE DIE-CAST ALUMINUM HOUSING. IP66 ENCLOSURE RATING. HOUSING AND ARE FINISHED IN TGIC POLYESTER POWDER COAT PAINT, 2.5 MIL NOMINAL THICKNESS. FINISH SELECTED BY ARCHITECT. SPILL LIGHT ELIMINATOR RIGHT DISTRIBUTION. FIXTURE SHALL HAVE WAVELINX OUTDOOR CONTROL MODULE FOR ON AT DUSK / OFF AT DAWN OPERATION, OCCUPIED AT FULL,	COOPER TLM ARX16 LITHONIA DSX1 GARDCO P26	- LED 13,912 3000K 70 110 L95 60,000	SLR 2 0 3 1 0-10V DIMMING LED DRIVER 530mA 1	8" ARM 90 DEGREES 127 277VAC 23-1/4" 16-1/4" 8"	20 SQUARE, ALUMINUM STRAIGHT	SCHOOL DISTRICT 1270 KINGS HWY LEWES, DE 19585
VACANT AT 50% OUT PUT. 12" DIAMETER MODULAR IN-GRADE LUMINAIRE WITH FACT ORY SEALED LAMP MODULE AND ENCAPSULATED POWER MODULE. LED MODULE SHALL BE AIMABLE WITH 15 DEGREE TILT SD MECHANISM. HEAVY-DUTY POLYMER HOUSING WITH CONVECTIVE COOLING, INTEGRAL KIM LIGHTING JUNCTION BOX, FINISH DOOR TRIM ASSEMBLY, AND FLAT CLEAR LENS WITH ROCK GUARD. DOOR AND TRIM RING MATERIAL/FINISH SELECTED BY ARCHITECT.	LTV81 HYDRL M9720C TARGETTI KEPLERO WW	- LED 4,109 3000K 70 92 L70 60,000	WALL ROCK 1 LED DRIVER 400mA 1	IN-GRADE ADJUSTABLE 35 277VAC 12" 12" 16"	NOTE5	KEYPLAN
SE DOOR AND TRIM RING MATERIAL/FINISH SELECTED BY ARCHITECT.			NOT USED			
LED POST TOP AREA LUMINAIRE CONSTRUCTED OF ONE-PIECE DIE-CAST ALUMINUM SF HOUSING, IP65 RATED. 10kV SURGE PROTECTION. FIVE-YEAR WARRANTY. FINISH SELECTED KIM LIGHTING BY ARCHITECT.	OURO LITHONIA RADEAN GARDCO PPT	- LED 6,702 3000K 70 102 L70 60,000	TYPE V, RECTANGULAR 3 0 3 1 LED DRIVER 800mA 1	POST TOP 65 277VAC 20" 20" 24"	14 ROUND, ALUMINUM STRAIGHT	
12" DIAMETER MODULAR IN-GRADE LUMINAIRE WITH FACTORY SEALED LAMP MODULE AND ENCAPSULATED POWER MODULE. LED MODULE SHALL BE AIMABLE WITH 15 DEGREE TILT SG MECHANISM. HEAVY-DUTY POLYMER HOUSING WITH CONVECTIVE COOLING, INTEGRAL HYDREL	ORGATECH ARCHITURA INSIGHT HYDREL 4750L KIM LIGHTING LTV81	- LED 4,109 3000K 70 92 L70 60,000	NARROW ROCK 1 LED DRIVER 400mA 1	IN-GRADE ADJUSTABLE 35 277VAC 12" 12" 16"	NOTE4	
JUNCTION BOX, FINISH DOOR TRIM ASSEMBLY, AND FLAT CLEAR LENS WITH ROCK GUARD. DOOR AND TRIM RING MATERIAL/FINISH SELECTED BY ARCHITECT. ARCHITECTURAL SOLAR POWERED LED BOLLARD. CAST, MARINE-GRADE, CORROSION RESISTANT ALUMINUM HOUSING WITH STAINLESS FASTENERS WITH SECURITY FASTENER FIRST LIGHT	TARGETTI KEPLERO ZOOM		SECURITY		ROUND,	
SH OPTION. ASYMMETRIC TYPE 3 DISTRIBUTION. PROGRAMMED TO BE ON AT DUSK, DIM TO 30% AFTER 5 HOURS, ON 1 HOUR BEFORE DAWN, OFF AT DAWN. SQUARE CONCRETE FOUNDATION.	PLB VALEN BOLLARD BP	- LED 300 3000K L70 100,000	TYPE III FASTENERS 1 LED DRIVER 1	BOLLARD 6" 6" 35"	- STRAIGHT ALUMINUM	2 10/03/2022 ASI-005R 1 05/17/2022 CONFORMANCE SET MARK DATE DESCRIPTION
2' FLOOD ARCHIT ECT URAL LINEAR FLOODLIGHT WITH STAINLESS STEEL EXTERNAL	ORGATECH ARCHITURA INSIGHT		NOT USED			PROJECT NUMBER: 2020-14 FILE NAME: CHMS_Arch_v2020.rvt DRAWN BY: MPV
FAST ENERS AND SILICONE GASKET FOR DRIVER COMPART MENT. IP66 CERTIFIED FOR WET LOCATION LISTING. FINISH TO BE SELECTED BY ARCHITECT, INCLUDING CUSTOM COLOR OPTION. THREADED KNUCKLE, STANCHION MOUNT WITH WIDE FLOOD BEAM SPREAD AND DIFFUSED LENS. CONTROL BOX TO ALLOW FOR PRESET LIGHT LEVELS WITH BUILT-IN TIME CLOCK AND BLUETOOTH CONTROLLER TO CONNECT TO THE CONTROL BOX FOR PROGRAMMING.	HYDREL 4750L	- LED 2,803 3000К 70 98 L94 100,000	WIDE FLOOD FIXED HOODMISOR 1 LED DRIVER 350mA	DIE-CAST ALUMINUM STANCHION WITH HANDHOLE ADJUSTABLE 30 120VAC 24 3.9 5.29		CHECKED BY: CDH The professional services of ABHA Architects, Inc. are undertaken for and performed interest of Cape Henlopen School District No contractual obligation is assumed by AB Architects, Inc. for the benefit of any other person involved in the project. These documents are owned by ABHA Architects, Inc. and shall not be used without permission. Copyright ABHA Architects, Inc. © 2022
NOTES: 1. ONLY BASIS OF DESIGN FIXTURE INDICATED HAS BEEN VERIFIED FOR PERFORMANCE. 2. ALT ERNATE MANUFACTURERS INCLUDE, BUT ARE NOT LIMITED TO, THOSE LISTED BELOW. BEING LISTED DOES NOT GUA 3. L70 RATING SHALL BE REPORTED VALUE, WHICH SHALL BE DETERMINED IN ACCORDANCE WITH IESNA STANDARDS LM-80 AI		COMPLYWITH PROJECT REQUIREMENTS AND MEET OR EXCEED BASIS OF DESIGN FIXTURE(S) PERFORM	MANCE.			SCHEDULES —
4. FIXTURES TO BE INSTALLED ADJACENT TO FLAGPOLES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. EXACT ID. 5. FIXTURES TO BE INSTALLED ADJACENT TO BUILDING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. EXACT LO						ELECTRICAL
						E-517
						I