Engineering Services of Vermont, uc Mechanical-Bectrical Consulting Engineers

+0.1+0.1+0.2+0.3+0.4+0.4+0.3+0.2+0.1+0.1+0.1 +0.1+0.1+0.2+0.3+0.5+0.5+0.4+0.2+0.1+0.1 01<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.2<sup>+</sup>0.3<sup>+</sup>0.6<sup>+</sup>0.9<sup>+</sup>0.9<sup>+</sup>0.7<sup>+</sup>0.4<sup>+</sup>0.2<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.2<sup>+</sup>0.4<sup>+</sup>0.7<sup>+</sup>1.0<sup>+</sup>1.1<sup>+</sup>0.8<sup>+</sup>0.4<sup>+</sup>0.3<sup>+</sup>0.2<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1

 $\chi$   $\uparrow$   $\chi$   $0 \sqrt{1}^{+}0.3^{+}0.5^{+}0.7^{+}0.8^{+}0.8^{+}0.5^$ 

10.1 + 0.1 + 0.2 + 0.3 + 0.2 + 0.3 + 0.2 + 0.3 + 0.2 + 0.30.7<sup>+</sup>0.**\$\_0.2**<sup>+</sup>(**H\$**)0**6**\*(**1.5**\*0**6**\*\*0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.2<sup>+</sup>0.3<sup>+</sup>0.3<sup>+</sup>0.2<sup>+</sup>0.1

10.3 + 1.0 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 3.5 + 5.5 + 5.6 + 4.5 + 5.5 + 5.6 + 4.5 + 5.5 + 5.5 + 6.6 + 6.5 + \*\*\dots\*\*  $\begin{array}{c} +0. \\ +0.$ + 0.1 + 0.1 + 0.2 + 0.2 + 0.3 + 0

 $^+0.1 ^+0.1 ^+0.2 ^+0.3 ^+0.4 ^+0.7 ^+1.0 ^+1.2 ^+1.1 ^+1.0 ^+1.0 ^+1.0 ^+1.0 ^+1.0 ^+1.0 ^+1.0 ^+1.0 ^+1.1 ^+1.2 ^+1.1 ^+1.0 ^+0.9 ^+0.8 ^+0.8 ^+0.9 ^+0.9 ^+1.1 ^+1.3 ^+1.4 ^+1.3 ^+1.1 ^+0.7 ^+0.6 ^+0.5 ^+0.5 ^+0.5 ^+0.5 ^+0.5 ^+0.5 ^+0.8 ^+1.2 ^+2.4 ^+2.9 ^+2.4 ^+1.7 ^+1.0 ^+0.7 ^+0.9 ^+1.5 ^+1.8 ^+2.1 ^+1.9 ^+0.5 ^+0.3 ^+0.1 ^+0.2 ^+0$  $^+0.1 ^+0.1 ^+0.1 ^+0.2 ^+0.3 ^+0.5 ^+0.8 ^+1.3 ^+1.7 ^+1.0 ^+1.7 ^+1.7 ^+1.8 ^+2.0 ^+2.0 ^+2.0 ^+1.9 ^+1.8 ^+1.8 ^+1.9 ^+1$  $\begin{array}{c} +0.1 \\ +$ 

 $^+0.1 ^+0.1 ^+0.1 ^+0.2 ^+0.3 ^+0.2 ^+0.3 ^+0.2 ^+0.5 ^+0.9 ^+1.3 ^+1.9 ^+2.5 ^+2.9 ^+3.2 ^+3.2 ^+3.3 ^+3.0 ^+2.7 ^+2.5 ^+2.2 ^+2.1 ^+2.3 ^+2.5 ^+2.6 ^+2.8 ^+3.1 ^+3.0 ^+2.8 ^+2.6 ^+2.4 ^+2.1 ^+1.9 ^+1.9 ^+1.9 ^+1.9 ^+1.9 ^+2.0 ^+2.1 ^+2.1 ^+2.0 ^+1.8 ^+1.7 ^+1.6 ^+2.0 ^+2.0 ^+1.6 ^+1.2 ^+0.8 ^+0.7 ^+1.0 ^+1.2 ^+1.2 ^+0.6 ^+0.1 ^+1.2 ^+1$ +<sub>0.1</sub>+<sub>0.6</sub>+<sub>2.2</sub>+<sub>2.8</sub> SB @ **10'** +0.1+0.3+0.4+0.3+0.2+0/2+0.1+0.1+0.2+0.2+0.3+0.3+0.5+0.8+0.9+0.9+0.7+0.4+0.4 <sup>+</sup>0 1 0.3 +0.9 +0.9  $^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.2^{+}0.2^{+}0.2^{+}0.2^{+}0.3^{+}0.4^{+}0.7^{+}1.0^{+}1.2^{+}1.1^{+}0.9^{+}0.3^{+}0.1$  $^{+0.1}_{-0.1}$   $^{+0.1}_{-0.1}$   $^{+0.1}_{-0.2}$   $^{+0.4}_{-0.2}$   $^{+0.3}_{-0.2}$   $^{+0.2}_{-0.2}$   $^{+0.3}_{-0.5}$   $^{+0.9}_{-0.9}$   $^{+1.2}$   $^{+1.4}_{-1.4}$   $^{+0.9}_{-0.2}$   $^{+0.1}_{-0.1}$ 1 0.1 0.3 0.3 0.1

+0.1+0.1+0.2+0.3+0.8+1.1+0.8+0.5+0.3+0.3+0.4+0.7+1.3+1.5+1.7+1.7+0.7+0.2+0.1 \ \frac{1}{0}.1\frac{1}{0}.1\frac{1}{0}.2\frac{1}{0}.3\frac{1}{0}.2 6 1+1 3+0 2+0 2+0 3+0 5+1.5 2.6 +2.0 1.2+0.6+0.3+0.3+0.5+1.0+1.7+2.1+2.3+2.1+0.5+0.2+0.1

+0.6+0.3+0.2+0.4+0.9+2.7+5.1+4.0+2.4+1.1+0.4+0.2+0.3+0.6+1.3+2.0+2.7+3.0+1/8+0.6+0.3+0.1

+0.1+0.1+0.2+0.7+3.15/4.2+6653.861.850.6+0.2+0.2+0.4+0.8+1.5+2.2+3.0+3.3+1.3+0.8+0.3+0.1 \\^0.1\^0.1\^0.4\^1.0\^0.8 <sup>+</sup>0,1<sup>†</sup>0.2<sup>†</sup>0.9<sup>†</sup>2.9<sup>†</sup>2. <sup>+</sup>0.1 <sup>†</sup>0.2 <sup>+</sup>1.1 <sup>+</sup>4.0 <sup>‡</sup>4. +0.1+0.1+0.1+0.3+2.3+6.5+7.5+4.6+2.1+0.6+0.3+0.2+0.3+0.5+1.0+1.5+2.1+2.7+2/3+1.5A4(HS).@ 17' 6"

<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1

0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.3 0.5 0.9 1/4 2.3 3.4 4/6 6.0 6.7 5/8 4.9 3.4 1,7 0.7 0.3 6/1 0.1

(EX)WALLPACK @ 11' 6"

<sup>+</sup>0.1 <sup>+</sup>0.4 <sup>+</sup>0.9 <sup>+</sup>2 | 5 | 5.2 <sup>+</sup>7.0

<sup>+</sup>0.1 <sup>+</sup>0.3 <sup>+</sup>0.8 <sup>+</sup>2 3 <sup>†</sup>5.5 <sup>+</sup>9.2

+0.1+0.3+0.6+1|7+3.7+5.3

0.1 0.2 0.4 0.6 0.5

 $^{+}0.1^{+}0.1^{+}0.2^{+}0.2^{+}0.1$ 

<sup>+</sup>0.1 <sup>+</sup>0.1

 $0.1^{+}0.1^{+}0.2^{+}0.2^{+}0.5^{+}0.6^{+}0.5^{+}0.2^{+}0.2^{+}0.2^{+}0.1^{+}0.1$  $0.1^{+}0.2^{+}0.3^{+}0.6^{+}1.0^{+}2.1^{+}2.6^{+}2.3^{+}2.6^{+}1.6^{+}1.3^{+}0.8^{+}0.5^{+}0.2^{+}0.1$ Ø1 10.1 + 0.2 + 0.4 + 0.8 + 1.4 + 2.8 + 4.4 + 5.5 + 7.7 + 8 4 EX 1 ARE A 3 0 1 20.6 0.1 + 0

 $^+0.1 + ^-0.$  $^{\dagger} 0.1 ^{\dagger} 0.1 ^{\dagger} 0.1 ^{\dagger} 0.2 ^{\dagger} 0.2 ^{\dagger} 0.3 ^{\dagger} 0.4 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.6 ^{\dagger} 0.7 ^{\dagger} 0.7 ^{\dagger} 0.6 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.5 ^{\dagger} 0.6 ^{\dagger} 0.7 ^{\dagger} 0.8 ^{\dagger} 1.0 ^{\dagger} 1.1 ^{\dagger} 1.4 ^{\dagger} 1.7 ^{\dagger} 2.0 ^{\dagger} 2.2 ^{\dagger} 2.5 ^{\dagger} 2.8 ^{\dagger} 2.7 ^{\dagger} 2.2 ^{\dagger} 1.6 ^{\dagger} 1.1 ^{\dagger} 0.7 ^{\dagger} 0.4 ^{\dagger} 0.2 ^{\dagger} 0.1 ^{\dagger} 0.1 ^{\dagger} 0.2 ^{\dagger} 0.3 ^{\dagger} 0.4 ^{\dagger} 0.5 ^{\dagger} 0.8 ^{\dagger} 0.9 ^{\dagger} 0.9 ^{\dagger} 0.4 ^{\dagger} 0.5 ^{\dagger} 0.4 ^{\dagger} 0.3 ^{\dagger} 0.1 ^{\dagger} 0.1$ 

0.1<sup>+</sup>0.3<sup>+</sup>0.6<sup>+</sup>0.9<sup>+</sup>1/2<sup>+</sup>1.3<sup>+</sup>2.3<sup>+</sup>2.8<sup>+</sup>2.7<sup>+</sup>2.9<sup>+</sup>4.0<sup>+</sup>4.4<sup>+</sup>2.9<sup>+</sup>1.5<sup>+</sup>1.3<sup>+</sup>2.4<sup>+</sup>3.5<sup>+</sup>4.0<sup>+</sup>3.4<sup>+</sup>3.3<sup>+</sup>3.9<sup>+</sup>4.4<sup>+</sup>4.6<sup>+</sup>4.1<sup>+</sup>2.6<sup>+</sup>1.3<sup>+</sup>0.8<sup>+</sup>0.6<sup>+</sup>0.5<sup>+</sup>0.5<sup>+</sup>0.5<sup>+</sup>0.4<sup>+</sup>0.3<sup>+</sup>0.2<sup>+</sup>0.2<sup>+</sup>0.2<sup>+</sup>0.2<sup>+</sup>0.2<sup>+</sup>0.8<sup>+</sup>1.3<sup>+</sup>2.4<sup>+</sup>4.0<sup>+</sup>5.3<sup>+</sup>7.4<sup>+</sup>8. (EX) 4.8 (3.3) (3.3) (3.4)

 $\frac{3.1 + 0.2 + 0.4 + 0.$ 

 $\sqrt[4]{0.1} + 0.2 + 0.4 + 0.8 + 1.2 + 1.5 + 1.8 + 2.2 + 2.6 + 2.7 + 2.3 + 1.9 + 1.7 + 1.4 + 1.1 + 1.0 + 1.1 + 1.5 + 1.9 + 2.1 + 2.3 + 2.5 + 2.6 + 2.5 + 2.5 + 2.6 + 2.5 + 2.5 + 2.1 + 1.8 + 1.3 + 0.9 + 0.7 + 0.5 + 0.3 + 0.2 + 0.1 + 0.1 + 0.2 + 0.3 + 0.2 + 0.1 + 0.2 + 0.2 + 0.1 + 0.2 + 0.2 + 0.1 + 0.2 + 0.2 + 0.1 + 0.2 + 0.2 + 0.1 + 0.2$  $(10.1)^{1}$ (10.

 $^{+}0.1$  $^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.3^{*}0.6^{*}0.8^{*}1.0^{*}1.0^{*}1.0^{*}1.1^{*}1.2^{*}1.1^{*}1.0^{*}0.8^{*}0.7^{*}0.7^{*}0.7^{*}0.7^{*}0.8^{*}0.9^{*}1.0^{*}0.9^{*}0.9^{*}0.9^{*}0.7^{*}0.6^{*}0.6^{*}0.5^{*}0.5^{+}0.5^{+}0.5^{+}0.4^{+}0.3^{+}0.2^{+}0.2^{+}0.1$ +0.1 0.1 +0.2 +0.4 \*0.9 \*1.3 \*1.4 \*1.3 \*1.4 \*1.3 \*1.2 \*1.0 \*0.8 \*0.7 \*0.8 \*1.0 \*1.1 \*1.2 \*1.1 \*1.0 \*0.7 \*0.5 \*0.4 \*0.3 \*0.3 \*0.2 +0.2 +0.2 +0.2 +0.1 +0.1 +0.1 +0.1 +0.1 \*\*\begin{align\*} \begin{align\*} \beg

 $0^{+}0.2^{+}0.6^{+}1.5^{*}5.9^{*}5.8^{*}3.1^{*}1.1^{*}1.1^{*}1.1^{*}1.1^{*}1.0^{*}0.9^{*}0.7^{*}0.6^{*}0.6^{*}0.8^{*}1.0^{*}1.2^{*}1.3^{*}1.2^{*}1.0^{*}0.8^{*}0.5^{*}0.3^{+}0.2^{+}0.1^{+}0.$ 1<sup>+</sup>0.2<sup>+</sup>0.5<sup>†</sup>1.**5%2(ਖ5)**2**@\*4.7\*06**8\*0.8\*0.7\*0.6\*0.6\*0.5\*0.5\*0.6\*0.8\*0.9\*1.0\*0.9\*0.8\*0.6\*0.4\*0.3<sup>+</sup>0.2<sup>+</sup>0.1<sup>†</sup>0.2<sup>†</sup>0.1,0\*1 \$\daggregar{\daggregar}\daggregar\$\daggregar

0,1+0.2\*0.9\*2.1\*2.3\*1.6\*1.4\*2.6\*3.1\*1.9\*0.9\*0.7\*1.2\*2.4\*3.7\*3.9\*4.1\*4.5\*5.3\*4.9\*3,9\*2.9\*2.0\*1.3\*0.7 0.1\*0.6\*1.4\*1.4\*1.2\*112\*3.1\*4.3\*2.1\*0.8\*0.6\*1.2\*3.2\*5.8\*5.1\*4.5\*5.4\*6.1\*5.9\*4.7<sup>+</sup>3.3<sup>+</sup>2.1<sup>+</sup>1.3<sup>+</sup>0/7 \*0.4\*0.7\*0.8\*0.6\*0.2 **SB @ 10'** SB @ 10<sup>2.0</sup> 2.3 2.5 2.2 1.5 1.1 0.7 0.4 0.4<sup>+</sup>0.6**\$A2(H)\$)**3**@**0.**17/**.6**0**.1<sup>+</sup>0.1 0.1 0.2 0.4 0.4 0.3 \\^+0.\\^+0.2\^+0.2\^+0.2  $.1^{+}0.2^{+}0.2^{+}0.2^{+}0/2^{+}0.1^{+}0.1/$ 

\\dagger\0.1\dagger\0.1\dagger\0.1\dagger\0.1

<u>Plan View</u>

Scale - 1" = 30ft

<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1<sup>+</sup>0.1

1. ALL "ZERO" CALCULATION POINTS HAVE BEEN REMOVED TO ELIMINATE DIVIDE BY ZERO ERRORS FOR RATIOS IN THE STATISTICS MATRIX. CALCULATION RESULTS ARE TO TENTHS; LOWEST LEVELS INDICATED ARE 0.1 FOOT-CANDLES

2. CALCULATIONS BASED ON IES FILES FOR THE SPECIFIC BASIS OF DESIGN PRODUCTS. EXISTING LUMINAIRES, INDECATED BY (EX) PREFIX ARE ESTIMATED BASED ON BEST AVAILABLE INFORMATION.

3. EXISTING LUMINARES MOUNTING HEIGHT IS ESTIMATED BASED ON BEST AVAILABLE INFORMATION

4. POINT BY POINT CALCULATION IS 6' ON CENTER CALCULATION POINTS AT GRADE (0' AFF).

5. CALCULATION IS PREPARED UTILIZING VISUAL LIGHTING 2020 PROGRAM, RELEASE 2.11.0062.

6. CONTROLS FOR ALL EXTERIOR LIGHTING WILL BE THROUGH A LIGHTING CONTROLLER WITH BOTH TIME AND PHOTOCELL INPUT.

7. SELECT POLE LUMINAIRES SHALL BE 15'-6" ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE WHERE INDICATED; THIS TO INCLUDE 15' POLE AND 6" CONCRETE BASE ABOVE GRADE ON THE LAWNED AREAS NOT SUSCEPTIBLE TO VEHICLE CONTACT.

8. SELECT POLE LUMINAIRES SHAŁĹ BE 17'¦6" ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE WHERE INDICATED; THIS TO INCLUDE 15' POLE AND 30" CONCRETE BASE ABOVE GRADE ON THE PARKING OR DRIVE AREAS WHERE SUSCEPTIBLE TO VEHICLE CONTACT.

9. BUILDING MOUNTED WALL PACK LUMINAIRES SHALL BE LOCATED ~10' ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE.

DOWN LIGHT SURFACE. 11. LUMINAIRES RECESSED INTO THE BUILDING ENTRANCE CANOPY ARE APPROXIMATELY 10' ABOVE FINISHED GRADE

10. LIGHTING UNDER SOLAR CANOPIES SHALL BE MOUNTED ~13' ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS

12. EXISTING STREET LIGHTING CONTRIBUTION IS NOT INCLUDED IN THESE CALCULATIONS.

TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE.

Item 45.e - Overall heights of pole luminaires are identified adjacent to each luminaire on the plan. Heights are also described in the plan notes, #7 and #8.

Plan revision 06/08/2023 to reflect DRB review comments.

Item 47.i - All luminaires are full cut-off as defined by IESNA. -Claus Bartenstein, P.E.

	Statistics								
	Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min		
	Typical Parking Area Average With New Luminaires	ж	1.6 fc	6.1 fc	0.2 fc	30.5:1	8.0:1		
	Site Overall With Existing & New Luminaires	+	1.2 fc	9.4 fc	0.1 fc	94.0:1	12.0:1		

Schedul	le										
 Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
	(EX)AREA		6	RAB LIGHTING INC.	ALED3T78 - RWLED3T78 - RWLED3T78SF - WPLED3T78 (TYPE III)	CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST WHITE PAINTED METAL LENS FRAME.	6	1544	0.7	76.8	Max: 6188cd
			7	RAB LIGHTING INC.	[WP, A]LED18Y		1	2783	0.9	21.3	
	(EX)WALL PACK										Max: 1787cd
	SA2(HS)		7	Lithonia Lighting	RSX1 LED P1 30K R2 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R2 Distribution with HS shield	1	4901	0.9	51.34	Max: 3889cd
	SA3(HS)		8	Lithonia Lighting	RSX1 LED P1 30K R3 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R3 Distribution with HS shield	1	4533	0.9	51.34	Max: 4818cd
	SA4(HS)		2	Lithonia Lighting	RSX1 LED P1 30K R4 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R4 Distribution with HS shield	1	4300	0.9	51.34	Max: 3706cd
	SB		6	Lithonia Lighting	WDGE1 LED P1 30K 80CRI VW	WDGE1 LED WITH P1 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	1163	0.9	10.0002	Max: 877cd
	SC		4	Lithonia Lighting	VCPG LED P1 30K T5W MVOLT	VCPG LED WITH P1 - PERFORMANCE PACKAGE, 3000K, T5W OPTIC TYPE	1	3592	0.9	26.57	Max: 979cd
	SD		16	Juno Lighting	IC1LED G4 06LM 30K 90CRI 120 FRPC + 12 WWH	4" IC LED HOUSING	1	474	0.9	8.6	Max: 796cd

 $0.2^{+}0.3^{+}0.3^{+}0.3^{+}0.5^{+}0.6^{+}0.6^{+}0.3^{+}0.1^{+}0.2^{+}0.4^{+}0.6^{+}0.6^{+}0.4^{+}0.1$ 

 $0.1^{+}0.1^{+}0.1^{+}0.1^{+}0.3^{+}0.8^{+}1.1^{+}0.9^{+}0.5^{+}0.2^{+}0.2^{+}0.6^{+}1.0^{+}1.1^{+}0.7^{+}0.1$ 

 $^{+0.1}$  $^{+0.1}$  $^{+0.1}$  $^{+0.3}$  $^{+1.8}$  $^{+1.5}$  $^{+0.7}$  $^{+0.2}$  $^{+0.3}$  $^{+0.8}$  $^{+1.6}$  $^{+1.9}$  $^{+1}$  $^{2}$  $^{+0.2}$  $^{+0.1}$ 

0.1 + 0.1 + 0.1 + 0.2 + 2.1 + 2.8 + 2.1 + 0.9 + 0.3 + 0.3 + 1.1 + 2.3 + 3.0 + 1.9 + 0.3 + 0.1

 $^{+}0.1^{+}0.2^{+}0$   $5^{+}3.1^{+}4.0^{+}2.8^{+}1.1^{+}0.3^{+}0.3^{+}1.2^{+}3.0^{+}4.2^{+}3$   $1^{+}0.5^{+}0.2^{+}0.1$ \*\*\bigcup\_0.1 \bigcup\_0.3 \bigcup\_0.7 \bigcup\_4.1 \bigcup\_5.5 \bigcup\_3.4 \bigcup\_1.1 \bigcup\_0.3 \bigcup\_0.3 \bigcup\_1.1 \bigcup\_3.5 \bigcup\_5.6 \bigcup\_4.1 \bigcup\_0.7 \bigcup\_0.3 \bigcup\_0.1

\*\*\begin{align\*} \begin{align\*} \beg

<sup>†</sup>0.1<sup>†</sup>0.2<sup>†</sup>0.5<sup>†</sup>2.9<sup>†</sup>4.2<sup>†</sup>3.1<sup>†</sup>1.3<sup>†</sup>0.3<sup>†</sup>0.3<sup>†</sup>1.0<sup>†</sup>2.8<sup>†</sup>4.0<sup>†</sup>3.1<sup>†</sup>0.5<sup>†</sup>0.2<sup>†</sup>0.1

\*0.1\*0.3\*1.8\*2.9\*2.4\*1.2\*0.3\*0.3\*0.9\*2.1\*2.8\*2.1\*0.4\*0.1

 $^{+}0.1^{+}0.2^{+}1.1^{+}1.9^{+}1.7^{-}0.9^{+}0.3^{+}0.2^{+}0.7^{+}1.5^{+}1.8^{+}1.3^{+}0.3^{+}0.1$ \*\*\bigcup\_1 \bigcup\_0.6 \bigcup\_1.1 \bigcup\_1.0 \bigcup\_0.6 \bigcup\_0.2 \bigcup\_0.2 \bigcup\_0.5 \bigcup\_0.9 \bigcup\_1.1 \bigcup\_0.8 \bigcup\_0.2 +0.1 +0.4 +0.6 +0.6 +0.4 +0.2 +0.1 +0.3 +0.5 +0.6 +0.4 +0.2

> $^{+}0.2^{+}0.3^{+}0.3^{+}0.3^{+}0.1^{+}0.1^{+}0.2^{+}0.3^{+}0.3^{+}0.2^{+}0.1$ +0.1+0.1+0.2+0.1+0.1+0.1+0.1+0.1+0.2+0.1+0.1

ESVT Date 03/29/2023 Not to Scale Drawing No.

1 of 1