

FIRE RATED PENETRATION SCHEDULE					
TYPE OF PENETRATION	CONCRETE OR MASONRY		GYPSUM BOARD/FRAME		"SPECSEAL FIRESTOP" PRODUCTS
	FLOORS UL SYSTEM #	WALLS UL SYSTEM #	FLOORS UL SYSTEM #	WALLS UL SYSTEM #	
METAL CONDUITS MAX. 4"	CAJ1080	CAJ1080	FC1010	WL1049	SSS100 SEALANT
	CAJ1113	WJ1030		WL1089	LC150 SEALANT
	CAJ1198	CAJ1198		WL1082	PEN300 SILICONE
PVC CONDUIT 2" AND SMALLER	CAJ2031	WJ2018	FC2032	WL2093	SSS100 SEALANT
PVC CONDUITS 2" THRU 4"	CAJ2038	CAJ2038		WL2029	FIRESTOP COLLAR
	CAJ2045	CAJ2045			FIRESTOP COLLAR
CABLE TRAY STEEL OR ALUMINUM	CAJ2124	CAJ2124	FC2033	WL2059	WRAP STRIPS
	CAJ4023	WJ4021		WL4008	FIRESTOP PULLOWS
	CAJ4020	CAJ4020			FIRESTOP MORTAR
		WJ4009		WL4005	SSS100 SEALANT
ELECTRICAL BUS DUCT	CAJ6003	CAJ6003			PEN300 SILICONE
	CAJ6008	CAJ6008		WL6001	SSS100 SEALANT
MAX. 3" CABLE BUNDLES	CAJ3154	WJ3022		WL3076	SSS100 SEALANT
NOTES:					
1. ALL U.L. LISTED SYSTEMS SHOWN ABOVE ARE BASED ON PROVIDING A 1 & 2 HOUR RATED FIRESTOP. WHERE 3 HOUR RATING IS REQUIRED, CONTACT FIRESTOP PRODUCT MANUFACTURER FOR DESIGN MODIFICATIONS.					
2. ALL U.L. LISTED SYSTEMS SHOWN ABOVE ARE BASED ON "SpecSeal Firestop" PRODUCTS FROM SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL PRODUCTS FROM "3-M" OR HILTI, INC.					

FIRE PENETRATION SCHEDULE			NTS 00DE033M0SCHD	M
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER		
	RECESSED DOWNLIGHT	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	TRACK LIGHT	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	TRACK HEAD SHOW WINDOW	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	FLUORESCENT STRIP	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EMERGENCY FLUOR. STRIP	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	FLUORESCENT TROFFER	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	SCONCE	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	DECORATIVE PENDANTS	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EXIT SIGN	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EMERGENCY LIGHT, WALL MOUNTED	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EMERGENCY LIGHT, SEMI-RECESSED	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EMERGENCY / EXIT LIGHT	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	EMERGENCY LIGHT, RECESSED	REFER TO THIS SHEET FOR LIGHTING FIXTURE DESCRIPTION		
	SWITCH			
	SWITCH - MOTION SENSOR	HUBBELL WS1277W? PASSIVE INFRARED, DOUBLE POLE, SINGLE THROW WALL SWITCH SENSOR WITH TWO SEPARATE RELAYS. WHITE COLOR FINISH.		
	SWITCH - DIMMER	HUBBELL S61W, SINGLE POLE, SINGLE THROW WALL DIMMER SWITH. WHITE COLOR FINISH.		
NL	NIGHT LIGHT			
EM	EMERGENCY LIGHTING FIXTURE			
	CEILING EXHAUST FAN	GC160, 120 VOLT, 1 PHASE, 115 WATTS		
TC	TRAFFIC COUNTER			
	SPEAKERS	NOTE: WALL MOUNTED/CEILING MOUNTED		
	SUBWOOFER			
	SECURITY CAMERA			
	VIEW MONITOR FOR SECURITY SYSTEM			

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT. SHOWN FOR REFERENCE ONLY.

LIGHTING SYMBOL SCHEDULE			NTS 00DE033K0SCHD	K
1. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE "THRU-WIRING" WHERE AND WHENEVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHTING FIXTURES SHALL BE MANUFACTURED TO ACCOMMODATE "THRU-WIRING". ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHOULD BE INCLUDED IN BID.				
2. ELECTRICAL CONTRACTOR'S BID SHALL INCLUDE THE INSTALLATION OF ALL LIGHT FIXTURES AND ASSOCIATED LAMPS FURNISHED BY L&D&C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND AIM THEM PER GC DIRECTION. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR IS TO CALL L&D&C PURCHASING AGENT WHO WILL THEN CALL THE DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, ELECTRICAL CONTRACTOR IS TO CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH L&D&C.				
3. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE WITH BATTERY BACK UP (120/277 VOLT INPUT). INSTALL A CENTRAL BATTERY SYSTEM WHERE THE USE OF INDIVIDUAL BATTERY UNITS ARE PROHIBITED BY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT L&D&C PROJECT MANAGER FOR DIRECTION.				
4. ALL LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS FROM 100'-1" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS 150'-01" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.				
5. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.				
6. EXIT/EMERGENCY LIGHTS AT STOREFRONT ARE TO BE CEILING MOUNTED AND CENTERED OVER OPENING. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT THE L&D&C PROJECT MANAGER FOR DIRECTION.				
7. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE ELECTRICAL CONTRACTOR WILL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.				
8. ELECTRICAL CONTRACTOR SHALL REFER BACK TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED EMERGENCY EGRESS AND EXIT FIXTURES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT L&D&C PROJECT MANAGER FOR DIRECTION.				
9. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION AND EXACT LOCATION OF EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, AND OTHER ARCHITECTURAL ELEMENTS.				
10. ELECTRICAL CONTRACTOR TO SUPPLY & INSTALL PLASTIC SLEEVE GUARDS ON FLUORESCENT LIGHTS IN LIGHT COVE ON SALES FLOOR.				
11. THE ELECTRICAL CONTRACTOR MUST INCLUDE IN THE BID TWO (2) HOURS OF START-UP TIME FOR THE LIGHTING CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE COMPONENTS FOUND TO BE DEFECTIVE. THE ELECTRICAL CONTRACTOR MUST COORDINATE LIGHTING CONTROL START-UP WITH HVAC MANUFACTURER REPRESENTATIVE. FAILURE TO DO SO MAY REQUIRE THE ELECTRICAL CONTRACTOR TO RETURN TO THE JOB SITE TO PERFORM START-UP AT A FUTURE DATE AT THE ELECTRICAL CONTRACTOR'S OWN EXPENSE.				

LIGHTING PLAN CONSTRUCTION NOTES			NTS 00DE033J0NOTE	J
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ELECTRICAL LIGHT FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	HEIGHT	LAMP	WATTAGE	VOLTAGE
A6	6" DIAMETER RECESSED COMPACT FLUORESCENT DOWNLIGHT, EMERGENCY BALLAST, CLEAR CONE, WHITE FINISH WITH CW TEST SWITCH IN TRIM	LIGHTOLIER-CALCULITE: E944242-1335BEM	9 5/8"	28 watt, T4, 4Pin 024q-3 Base, Triple Compod Fluorescent, 3000K, 82CR, 10,000 Hrs.	32 WATTS	120 V
A9	7" DIAMETER RECESSED HALOGEN "A" LAMP DOWNLIGHT, CLEAR CONE, WHITE FINISH, SELF FLANGED REFLECTOR	HALO-PORTULOC: H07-7701-R-73 LIGHTOLIER-CALCULITE: C7065C00P-C700-73 JANU. 1000K-145C-3F-73	10 5/8"	75 watt, BT-15, Medium Screw Base, Tungsten Halogen, 3,000 Hrs.	75 WATTS	120 VOLTS
AF	6" DIAMETER RECESSED HORIZONTAL LAMP COMPACT FLUORESCENT DOWNLIGHT, CLEAR CONE, WHITE FINISH, ELECTRONIC BALLAST, SELF FLANGED REFLECTOR	HALO-PORTULOC: C6132-1C-8051-H LIGHTOLIER-CALCULITE: B031C00P, 6132B0U	7 1/4"	28 watt, T4, 4Pin 024q-3 Fluorescent, 3000K, 82CR, 10,000 Hrs.	32 WATTS	120 V
BB	3" DIAMETER RECESSED ADJUSTABLE MR16 DOWNLIGHT, CLEAR CONE, WHITE WHITE TRIM, INTEGRAL ELECTRONIC TRANSFORMER, WITH 9' CORD AND PLUG	COM-TECH: LK0710-3M-1000	5 1/2"	35 watt HIR, MR16, 2 Pin GX 5.3 Base, Quartz Halogen, Narrow Flood 24", 5000 Hrs.	35 WATTS	12/120 VOLTS
BO	4" DIAMETER RECESSED ADJUSTABLE MR16 ACENT LIGHT, CONICAL DROP HINGE LAMP, WHITE WHITE FINISH, 35P° ROTATION, 85° ADJUSTABILITY, INTEGRAL ELECTRONIC TRANSFORMER, SECURE HOUSING TO STRUCTURE	PSA: MLV208A, C500/EL/AMB-35 COM-TECH: LK0318, CTR325	5 1/2"	35 watt HIR, MR16, 2 Pin GX 5.3 Base, Quartz Halogen, Narrow Flood 24", 5000 Hrs.	35 WATTS	12/120 VOLTS
BT	4" DIAMETER RECESSED ADJUSTABLE MR16 ACENT LIGHT, CONICAL DROP HINGE LAMP, WHITE BLACK FINISH, 35P° ROTATION, 85° ADJUSTABILITY, INTEGRAL ELECTRONIC TRANSFORMER, SECURE HOUSING TO STRUCTURE	PSA: MLV208B, C500/EL/AMB-35 COM-TECH: LK0318, CTR325-3-35	5 1/2"	35 watt HIR, MR16, 2 Pin GX 5.3 Base, Quartz Halogen, Narrow Flood 24", 5000 Hrs.	35 WATTS	12/120 VOLTS
CF	CERAMIC METAL HALIDE TRACK HEAD, INTEGRAL ELECTRONIC BALLAST, COLOR CORRECTION REFLECTOR, WHITE FINISH	AMERLUX: CCTL 30 MM E-WT 1/1 1/2 FL 082360	5 7/16"	20 watt, Ceramic Metal Halide, T4, PGJ5 base, 3000K, 12,000 HRS.	25 WATTS	120 VOLTS
CH	CERAMIC METAL HALIDE TRACK HEAD, INTEGRAL ELECTRONIC BALLAST, CLEAR REFLECTOR, WHITE FINISH, BLACK SWITCH/EXTENDED LENS RING	AMERLUX: CCTL 30 MM E-WT 1/1 1/2 FL 082360 USE ALR BLACK SWITCH	5 7/16"	20 watt, Ceramic Metal Halide, T4, PGJ5 base, 3000K, 12,000 HRS.	25 WATTS	120 VOLTS
D3	3' LOW PROFILE LINEAR STRIP, INTEGRAL BALLAST, 1 LAMP IN SECTION, CABLE HUNG HARD WIRE, WITH REFLECTOR	BARTCO: BFL255-25-92-BAC	2 1/5"	25 watt T8 Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82CR, 20,000 Hrs.	27 WATTS	120 VOLTS
D4	4' LOW PROFILE LINEAR STRIP, INTEGRAL BALLAST, 1 LAMP IN SECTION, CABLE HUNG HARD WIRE, WITH REFLECTOR	BARTCO: BFL255-32-92-BAC	2 1/5"	32 watt T8 Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82CR, 20,000 Hrs.	32 WATTS	120 VOLTS
D6	6' (2) LAMP LOW PROFILE LINEAR STRIP, INTEGRAL BALLAST, CABLE HUNG HARD WIRE	BARTCO: BFL255-2525-BAC-E	2 1/5"	25 watt T8 Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82CR, 20,000 Hrs.	54 WATTS	120 VOLTS
DB	51"x 120.25" CABINET BAY LIGHT BOX	PROVIDED BY OTHERS	---	T8D	448 WATTS	120 VOLTS
F8	6' (2) LAMP LOW PROFILE LINEAR STRIP, INTEGRAL BALLAST, 6' CORD HANGING TO END OF FIXTURE, WHITE FINISH	BARTCO: BFL255-2525-120-0700	2 1/5"	25Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	54 WATTS	120 VOLTS
FG	4" SURFACE MOUNTED BARE LAMP FLUORESCENT STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION, WITH EMERGENCY PACK.	MERCURY: MM-132-OCT-C-ELB-120V-EMPK	3 1/4"	32 Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	32 WATTS	120 VOLTS
FR	4" SURFACE MOUNTED BARE LAMP FLUORESCENT STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION	MERCURY: MM-132-OCT-C-ELB-120V, WD-MM-140 METALUX: 38-132-105-120-120V, WD/2M-MET DUBAI: E0H1132, W3-3"	3 1/4"	32 Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	32 WATTS	120 VOLTS
L4	(1) 2' BARE LAMP FLUORESCENT STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION, MOUNTED TO TOP OF MIRROR	MERCURY: MM-117-OCT-C-ELB-120V METALUX: 38-117-105-120-120V, WD/2M-MET DUBAI: EPH117	4 1/4"	40 Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	117 WATTS	120 VOLTS
	(1) 2' BARE LAMP FLUORESCENT SIDE MOUNTED STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION	MERCURY: SMC-117-OCT-ELB-120V	1 15/16"	40-Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	117 WATTS	120 VOLTS
N1	1' x 4' SURFACE MOUNTED SINGLE LAMP FLUORESCENT TROFFER, PRISMATIC ACQULE LENS, ELECTRONIC BALLAST	MERCURY: WD-132-OCT-84-ELB-120V METALUX: WC-132A-120-120V DUBAI: S1A152FLA	3 3/4"	32 Watt, T8, Medium Bi-Pin Base, Linear Fluorescent, 3000K, 82 CR, 20,000 Hrs.	32 WATTS	120 VOLTS
NA	"VERY SEXY" NEON	PROVIDED BY OTHERS	---	Pink Colored Neon	81 WATTS	120 VOLTS
NB	"BODY BY VICTORIA" NEON	PROVIDED BY OTHERS	---	Pink Colored Neon	140 WATTS	120 VOLTS
NC	"ANGLES" NEON	PROVIDED BY OTHERS	---	Pink Colored Neon	65 WATTS	120 VOLTS
ND	"SEXY LITTLE THINGS" NEON	PROVIDED BY OTHERS	---	Pink Colored Neon	145 WATTS	120 VOLTS
NE	"PINK" NEON	PROVIDED BY OTHERS	---	Pink Colored Neon	108 WATTS	120 VOLTS
SC	46.25" T4 LINKABLE FLUORESCENT BUILT IN ELECTRONIC BALLAST	JESCO: SC-28	1 1/2"	T4 20 WATT	28 WATTS	120 VOLTS
TS	SURFACE MOUNTED SINGLE CIRCUIT TRACK, WHITE WHITE FINISH	COM-TECH: LT2P, LT2P, LT2P, LT2P, on request JANU. 1000K-145C-3F-73 HALO-LEGOP, LEGOP, LEGOP, LEGOP, on request H07: 41-W, 41-W, 41-W, 41-W, 41-W on request	11/16"	-	-	120 VOLTS

ELECTRICAL LIGHT FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	HEIGHT	LAMP	WATTAGE	VOLTAGE
X2	SEMI-RECESSED CEILING MOUNTED LED EXIT SIGN, EDGE UP, SINGLE TRAC, INJECTION-MOLDED, WIDE SHARED ACTUAL, RED LETTERS, INTEGRAL EMERGENCY SERVICE	HIGH-LITES: LED-BPM-EXX0-2-BC	-	LED	4 WATTS	120 VOLTS
X6	THERMAPLASTIC EXIT SIGN, UNIVERSAL MOUNTING CEILING/WALL, LED LAMPS AND INTEGRAL BATTERY BACK UP FOR 90 MINUTES	ASTRALITE: THERMAP	-	LED	4 WATTS	120 VOLTS
X9	RECESSED EMERGENCY LIGHT FOR SALES FLOOR USE, ADJUSTABLE LAMP, INTEGRAL BATTERY FOR EMERGENCY OPERATION	RECHTES: 46-1-16 LIGHTALAB: 46-1-16	-	(1) BW Halogen	8 WATTS	120 VOLTS
NOTES:						
1. ALL FIXTURES ARE FURNISHED BY L&D&C UNLESS OTHERWISE NOTED.						
2. ALL LIGHT FIXTURES AND WIRING METHODS WITHIN PLENUM CEILING SHALL BE "PLENUM APPROVED" AS PER LOCAL ORDINANCES.						
3. ALL LIGHT FIXTURES WITH "EM" AFTER FIXTURE DESIGNATION SHALL BE PROVIDED WITH AN EMERGENCY BALLAST, PRODUCING A MINIMUM OF 1000 LUMENS FOR ONE (1) 48" LAMP.						
<div> <div>PROJECT INFORMATION:</div> <div>010500133</div> <div>VICTORIA'S SECRET</div> <div>QUAIL SPRINGS MALL</div> <div>SPACE NO. 119</div> <div>2501 WEST MEMORIAL RD.</div> <div>OKLAHOMA CITY, OK 73134</div> <div>SCOPE: OPTIMIZATION PACKAGE: NMA/FORUM A&I GENERATING 2013 (R1315g)/142Fg</div> <div>DESIGN TYPE: A/E PROJECT #:</div> <div>00060919</div> <div>2007684006</div> </div>						
<div> <div>REVISIONS:</div> <div> <div>REQUIRED BY:</div> <div>DATE</div> <div>06/22/07</div> </div> <div> <div>07/05/07</div> <div>07/27/07</div> <div>08/17/07</div> </div> <div> <div>UNLOAD COMMENTS, DESIGN CHANGES, & MASTER BULLETINS</div> <div>NOTE: THESE PRINTS HAVE BEEN REDUCED BY 50 PERCENT SCALE. WILL BE 50 PERCENT OF WHAT IS NOTED ON PLANS.</div> </div> </div>						
<div> <div>DATE ISSUED:</div> <div>05.30.2014</div> <div>DESIGNED BY:</div> <div>ASB</div> <div>DRAWN BY:</div> <div>ASB</div> <div>CHECKED BY:</div> <div>DFG</div> </div>						
<div> <div>EXISTING ELECT. LIGHT FIXTURE SCHEDULE</div> <div>DRAWING NUMBER:</div> <div>E08.1</div> </div>						
LIGHTING PLAN CONSTRUCTION NOTES			NTS 00DE033A0SCHD	A	ELECTRICAL LIGHT FIXTURE SCHEDULE	

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