

SYMBOL	ITEM	DESCRIPTION
	RECESSED DOWNLIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	RECESSED DIRECTIONAL	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	TRACK LIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	FLUORESCENT STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	EMERGENCY FLOOR STRIP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	FLUORESCENT TROFFER	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	SCONCE	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	DECORATIVE PENDANTS	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	DECORATIVE LAMP	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	EXIT SIGN W/ DIRECTIONAL ARROWS	ARROWS OPTIONAL PER PLAN. REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	EMERGENCY LIGHT	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	EMERGENCY LIGHT, RECESSED	REFER TO LIGHT FIXTURE SCHEDULE FOR DESCRIPTION.
	SCENT-AIR FRAGRANCE DISTRIBUTOR	
	SWITCH	
	SWITCH - MOTION SENSOR	HUBBELL WS127WZ 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 SWITCH. WHITE COLOR FINISH.
	KEY - SWITCH	HUBBELL HBL1223RKL, SINGLE POLE, THREE-WAY BARRAL KEY WALL SWITCH FOR STOREFRONT ROLLING GRILLE. WHITE COLOR FINISH.
	NIGHT LIGHT	
	EMERGENCY LIGHTING FIXTURE	
	CEILING EXHAUST FAN	REFER TO MECHANICAL SCHEDULE FOR INFORMATION.
	TRAFFIC COUNTER	
	RADIO FREQUENCY ANTENNA	
	ENHANCED FR PAGING SYSTEM CEILING SENSOR	
	SPEAKER/SUBWOOFER	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	ANALOG CAMERA/DOME	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	IP CAMERA	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	SECURITY VIEW MONITOR	REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
	SINGLE RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	DUPLEX RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT, SHALL BE WHITE UNLESS NOTED OTHERWISE
	QUAD. RECEPT. W/ COVERPLATE	20 AMP, 120 VOLT
	DUPLEX RECEPT. W/ COVERPLATE	DEDICATED DUPLEX RECEPTACLE ON ISOLATED GROUND, 20 AMP, 120 VOLT
	QUAD RECEPT. W/ COVERPLATE	DEDICATED QUAD RECEPTACLE ON ISOLATED GROUND, 20 AMP, 120 VOLT
	DUPLEX FLUSH FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	QUAD FLUSH FLOOR RECEPT.	20 AMP, 120 VOLT FLOOR BOX
	DUPLEX FLUSH FLOOR RECEPT. W/DATA	DEDICATED DUPLEX FLOORBOX ON ISOLATED GROUND, 20 AMP, 120 VOLT
	QUAD FLUSH FLOOR RECEPT.	DEDICATED QUAD FLOORBOX ON ISOLATED GROUND, 20 AMP, 120 VOLT
	TELEPHONE OUTLET	WHITE COLOR RJ14C TELE. JACK IN SALES AND NON-SALES AREA.
	DATA/TELEPHONE OUTLET	WHITE COLOR PLATE IN SALES AND IN NON-SALES AREA.
	JUNCTION BOX	JUNCTION BOX, 4" x 4" x 2 1/8" DEEP MINIMUM
	MAGNETIC STARTER	FULL VOLTAGE STARTER IN A NEMA 1 ENCLOSURE, SIZE 1 MINIMUM
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PROVIDED BY EC
	DISCONNECT SWITCH	HEAVY DUTY, FUSIBLE AND NON-FUSIBLE PREINSTALLED WITH EQUIPMENT
	DELIVERY BUZZER TRANSFORMER	TRANSFORMER AT 8"-0" AFF
	DELIVERY BUZZER	REFER TO POWER PLAN FOR MOUNTING INFORMATION
	PUSHBUTTON	PUSH BUTTON UNIT
	CEILING SMOKE DETECTOR	SYSTEM CONNECTED CEILING MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR
	DUCT SMOKE DETECTOR	SYSTEM CONNECTED DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR COMPLETE WITH SAMPLING TUBES
	Twist-LOCK RECEPTACLE	DREAMSTEAMER - (FURNISHED BY L5D&C)
	DOOR CONTACT	FOR SECURITY SYSTEM
	MOTION DETECTOR	CEILING MOUNTED
	MOTION DETECTOR	WALL MOUNTED
	KEYPAD	KEYPAD SEE FLOOR PLAN FOR LOCATION
	CEILING MOUNTED OCC. SENSOR	
	DAYLIGHT PHOTO SENSOR	
	SENSOR/THERMSTAT	SINGLE GANG BOX (2"x4") FOR SENSOR/THERMOSTAT WITH FACE FLUSH TO DRYWALL.
	ELECTRONICALLY OPERATED DAMPER W/ TOGGLE DISCONNECT	REFER TO MECHANICAL DRAWINGS FOR SPECIFICATIONS.
	FIRE ALARM CONTROL PANEL	INCLUDES BATTERY BACK-UP FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. COORDINATE WITH LANDLORD ALL FINAL SEQUENCES OF OPERATION.
	FIRE ALARM REMOTE ANNUNCIATOR	
	FIRE ALARM MANUAL PULL STATION	MOUNT CENTER OF DEVICE AT 48" AFF
	FIRE ALARM HORN/STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT BOTTOM OF DEVICE AT 80" AFF CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM STROBE	DEVICE SHALL BE WALL MOUNTED. MOUNT BOTTOM OF DEVICE AT 80" AFF CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM STROBE	DEVICE SHALL BE CEILING MOUNTED. CANDELA RATING BY FIRE ALARM CONTRACTOR.
	FIRE ALARM BELL	DEVICE SHALL BE MOUNTED ABOVE THE CEILING. RATING BY FIRE ALARM CONTRACTOR.
	HEAT DETECTOR	
	END OF LINE RESISTOR	
	FAN SHUT DOWN RELAY	
	FIRE ALARM WATER FLOW SWITCH	
	EVACUATION SPEAKER	WHITE FOR LIGHT COLOR CEILINGS. BLACK FOR DARK COLOR CEILINGS.
	DIMMING CONTROL	LUTRON GRAFIK EYE DIMMING SYSTEM. SEE SHEET E05.01 FOR MORE INFORMATION.

ELECTRICAL SYMBOLS LEGEND

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00N-E0101-M00-LGND
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12/17/13

ELECTRICAL SERVICE / DISTRIBUTION									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	LS VENDOR	LANDLORD	CONTR.	OTHER			
MAIN OVER CURRENT DEVICE IN LANDLORD'S ELECTRICAL EQUIPMENT	EC			EC			●		FIELD VERIFY PRIOR TO BID
METER IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RESE)	EC			EC			●		FIELD VERIFY PRIOR TO BID
C/T'S AND CABINET IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RESE)	EC			EC			●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE CONDUIT(S) TO LEASE SPACE	EC			EC			●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE FEEDER(S) TO LEASE SPACE	EC			EC			●		FIELD VERIFY PRIOR TO BID
I.F.S. ENCLOSURE (SWITCHGEAR ASSEMBLY)			IF		EC				
277/480 VOLT PANEL			IF		IF				INSTALLED IN FACTORY
STEP DOWN LINE TRANSFORMER & MOUNTING ACCESSORIES			IF		IF				INSTALLED IN FACTORY
120/208 VOLT PANEL(S)			IF		IF				INSTALLED IN FACTORY
SMART BREAKER SYSTEM FOR LIGHTING CONTROL			IF		IF				INSTALLED IN FACTORY
LIGHTING CONTROLLER WITH POWER SUPPLY AND OVERIDE STATION	EMS		IF		EC		IF		INSTALLED IN FACTORY
I-LUMIN PANEL					EC			●	AS REQUIRED BY ENGINEER
BREAKER LOCKS			IF		EC				
MECHANICAL / PLUMBING EQUIPMENT COORDINATION									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	LS VENDOR	LANDLORD	CONTR.	OTHER			
POWER WIRING AND CONDUIT / PULL STRING TO ALL HVAC EQUIPMENT					EC				
ROOF TOP UNIT - DISCONNECT SWITCH			AC			AC		●	
ROOF TOP UNIT - WEATHERPROOF GFI SERVICE REC.			AC			AC		●	WIRED BY EC
AIR HANDLING UNIT (CA AND/OR RAU, CA W/RI/ ELECTRIC HEAT-RECONNECT SWITCH/FAU) CONDUITS			AC			AC		●	
AIR HANDLING UNIT (CA SPLIT) - DISCONNECT SWITCH / FAU CONDUITS			AC			AC		●	
CONDENSING UNIT (CA SPLIT) - DISCONNECT SWITCH			EC			EC		●	
CONDENSING UNIT (CA SPLIT) - WEATHERPROOF GFI SERVICE REC.			EC			EC		●	
FAN POWERED VAV / VAV SYSTEM (WITH OR WITHOUT ELECTRIC HEAT) - DISCONNECT SWITCH			AC			AC			
WATER SOURCE HEAT PUMP - DISCONNECT SWITCH			EC			EC			
TOILET EXHAUST FANS (FRACTIONAL HP) WITH DISCONNECT SWITCH			LD		MC				
ELECTRONIC CONTROL DAMPERS - DISCONNECT SWITCH			EC			EC			
DUCT HEATERS			MC			MC		●	
HVAC SENSOR JUNCTION BOX AND CONDUIT WITH PULL STRING			EC			EC			WIRED BY MC
LOW VOLTAGE SYSTEMS									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	LS VENDOR	LANDLORD	CONTR.	OTHER			
PAGING SYSTEM - HARDWARE			PS			PS			
PAGING SYSTEM - WIRE			PS			EC			WIRED BY EC, FINAL CONNECT BY PS
PAGING SYSTEM - CONDUIT / PULL STRING			EC			EC			IF REQUIRED BY ANJ
BURGLAR / SECURITY SYSTEM - HARDWARE			SSV			SC			
BURGLAR / SECURITY SYSTEM - WIRE			SSV			EC			
BURGLAR / SECURITY SYSTEM - CONDUIT / PULL STRING			EC			EC			IF REQUIRED BY ANJ
RF TECHNOLOGY SYSTEM - HARDWARE			RF			RC			
RF TECHNOLOGY SYSTEM - WIRE			RF			RC			
RF TECHNOLOGY SYSTEM - CONDUIT / PULL STRING			EC			EC			
CCTV / ALARM SYSTEM - HARDWARE			SSV			SC			
CCTV / ALARM SYSTEM - WIRE			SSV			SC			
CCTV / ALARM SYSTEM - CONDUIT / PULL STRING			EC			EC			IF REQUIRED BY ANJ
MUSIC / VIDEO SYSTEM - HARDWARE (SPEAKERS/MONITORS/CONTROLLERS)			MS			EC			
MUSIC / VIDEO SYSTEM - WIRE			MS			EC			
MUSIC / VIDEO SYSTEM - CONDUIT / PULL STRING			EC			EC			IF REQUIRED BY ANJ
DELIVERY BUZZER SYSTEM - HARDWARE			LD			EC			
DELIVERY BUZZER SYSTEM - WIRE			EC			EC			
DELIVERY BUZZER SYSTEM - CONDUIT / PULL STRING			EC			EC			IF REQUIRED BY ANJ
TRAFFIC COUNTER - CONDUIT / PULL STRING			EC			EC			
TRAFFIC COUNTER - WIRE	LS&C			LS&C					
MISCELLANEOUS ELECTRICAL ITEMS									
ITEM	FURNISHED BY			INSTALLED OR PERFORMED BY			RE-USE EXISTING	N/A	REMARKS
	LANDLORD	CONTR.	LS VENDOR	LANDLORD	CONTR.	OTHER			
LIGHTING FIXTURES AND LUMPS DIMMING CONTROL SYSTEM			LD			EC			
RECEPTACLES, COVERPLATES AND MOTOR SENSOR LIGHT SWITCHES			LD			EC			
FLOOR BOXES, COVERS AND FLOOR BOXES DATA			LD			EC			UNLESS OTHERWISE NOTED ON PLANS
JUNCTION BOXES			EC			EC			
SENSORMATIC SYSTEM - HARDWARE			SV			EC			
SENSORMATIC SYSTEM - POWER WIRING AND CONDUIT / PULL STRING			EC			EC			
DATA AND TELEPHONE SYSTEMS - CABLE AND JACKS			TEL			TEL			
DATA AND TELEPHONE SYSTEMS - CONDUITS / PULL STRING			EC			EC			
TELEPHONE DEWARF PANEL - PROTECTION OF DURING CONSTRUCTION / RELOCATION / DEMOLITION			GC			GC			CALL LS&C TO RELOCATE, DO NOT GET WIRE.
DUCT SMOKE DETECTOR			FAC			MC		●	
MECHANICAL EQUIPMENT SHUT-DOWN RELAY			FAC			FAC		●	
FIRE ALARM SYSTEM			FAC			FAC			
CASHBAR - POWER WIRING AND CONDUIT / PULL STRING			EC			EC			
ROLLING GRILLE - POWER WIRING AND CONDUIT / PULL STRING			EC			EC			
ROLLING GRILLE - INTERLOCK BAREL SWITCH	LS&C			LS&C				●	
ROLLING GRILLE - DOOR AND MOTOR	LS&C			LS&C				●	
DREAMSTEAMER - POWER WIRING AND CONDUIT / PULL STRING			EC			EC			RECEPTACLE BY LD
I-LUMIN CABLING			EC			EC		●	
ROOM CONTROLLER DEVICES AND WIRING			IF			EC			
AS-BUILT DRAWINGS			EC			EC			
ABBREVIATIONS:									
IF	IF'S SUPPLIER	PS	PAGING SYSTEM VENDOR						
AC	HVAC EQUIPMENT SUPPLIER	LD	LIGHTING PACKAGE DISTRIBUTOR	RC	RF TECHNOLOGY CONTRACTOR				
AJH	AUTHORITY HAVING JURISDICTION	LL	LANDLORD	RF	RF TECHNOLOGY SYSTEM VENDOR				
EC	ELECTRICAL CONTRACTOR	LS&C	LIMITED STORE DESIGN AND CONSTRUCTION	SC	SECURITY CONTRACTOR				
EMS	ENERGY MANAGEMENT SYSTEM VENDOR	MS	MECHANICAL CONTRACTOR	SV	SECURITY SYSTEM VENDOR				
FAC	FIRE ALARM CONTRACTOR	MC	MUSIC SYSTEM VENDOR	SV	SENSORMATIC VENDOR				
GC	GENERAL CONTRACTOR	PC	PLUMBING CONTRACTOR	TEL	TELEPHONE CONTRACTOR				

ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF CONTRACTOR.

ELECTRICAL RESPONSIBILITY SCHEDULE

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09/24/12

FIRE RATED PENETRATION SCHEDULE									
TYPE OF PENETRATION	CONCRETE OR MASONRY FLOORS		WALLS		GYPSUM BOARD/FRAME FLOORS		WALLS		"SPECSEAL FIRESTOP" PRODUCTS
	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	UL/ULC SYSTEM #	
METAL CONDUITS MAX. 4"	CAJ1080	CAJ1080	FC1010	WL1088	WL1088	WL1088	WL1088	WL1088	SSS100 SEALANT
	CAJ1213	WL1030		WL1088		WL1088	WL1088	WL1088	SSS100 SEALANT
	CAJ1198	CAJ1198		WL1062		WL1062	WL1062	WL1062	PEN500 SILICONE
PVC CONDUIT 2" AND SMALLER	CAJ2031	WJ2018	FC2032	WL2093		WL2093	WL2093	WL2093	SSS100 SEALANT
	CAJ2038	CAJ2038		WL2029		WL2029	WL2029	WL2029	FIRESTOP COLLAR
PVC CONDUITS 2" THRU 4"	CAJ2045	CAJ2045		WL2059		WL2059	WL2059	WL2059	FIRESTOP COLLAR
	CAJ2124	CAJ2124	FC2033	WL4008		WL4008	WL4008	WL4008	WRAP STRIPS
	CAJ4029	WJ4021		WL4008		WL4008	WL4008	WL4008	FIRESTOP PILLOWS
CABLE TRAY STEEL OR ALUMINUM	CAJ4020	CAJ4020		WL4005		WL4005	WL4005	WL4005	FIRESTOP MORTAR
		WJ4009							SSS100 SEALANT
ELECTRICAL BUS DUCT	CAJ6003	CAJ6003		WL6001		WL6001	WL6001	WL6001	PEN500 SILICONE
	CAJ6008	CAJ6008		WL6001		WL6001	WL6001	WL6001	SSS100 SEALANT
CABLE BUNDLES MAX. 3"	CAJ3154	WJ3022		WL3076		WL3076	WL3076	WL3076	SSS100 SEALANT

- NOTES:
- ALL UL/ULC 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.
 - ALL UL/ULC 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

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08/12/11

- FIRE ALARM SYSTEM SHALL BE UL/ULC LISTED AND APPROVED BY LOCAL FIRE OFFICIAL AND FIRE DEPARTMENT.
- FIRE ALARM SYSTEM TO SHUT-DOWN HVAC UNITS IN CASE OF ANY ZONE ALARM.
- FIRE ALARM CONTRACTOR SHALL FURNISH AND INSTALL RELAYS AND DRY CONTACTS FOR HVAC UNITS AS REQUIRED. RELAYS SHALL SHUT-DOWN HVAC UNITS UPON ANY ZONE ALARM.
- TENANT'S FIRE ALARM SYSTEM SHALL BE PRE-TESTED PER LANDLORD'S CRITERIA AND LOCAL AUTHORITY. TENANT'S FIRE ALARM SYSTEM SHALL BE FINAL TESTED BY THE LOCAL BUILDING AND FIRE MARSHALL AND WITNESSED BY LANDLORD'S ON-SITE REPRESENTATIVE.
- LANDLORD'S FIRE ALARM CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO LANDLORD'S FIRE ALARM SYSTEM AT THE TENANT'S SOLE COST AND EXPENSE.
- THESE PLANS MAY BE USED FOR CONSTRUCTION ONLY AFTER APPROVAL IS OBTAINED FROM THE BUILDING DEPARTMENT FIRE ALARM PLAN CHECK DIVISION AND THAT DIVISION'S STAMPED APPROVAL AND AUTHORIZED SIGNATURE APPEAR ON THE PLANS.
- COORDINATE ALL WORK WITH ALL TRADES INCLUDED BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, AND STRUCTURAL CONTRACTORS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. IS TO BE IN CONTACT WITH ANY EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK AND EXACT FIXTURE LOCATIONS.
- CONTRACTOR SHALL PROVIDE CUT SHEETS TO LS&C FOR ALL EQUIPMENT AND DEVICES FURNISHED BY THE CONTRACTOR THAT DEViate FROM SPECIFIED ITEM FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF ANY SUCH EQUIPMENT OR DEVICES.
- THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE