

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 WS127W2 PASSIVE INFRARED, DOUBLE POLE, SINGLE THROW WALL SWITCH SENSOR WITH TWO SEPARATE RELAYS. WHITE COLOR FINISH.
	SWITCH - DIMMER	HUBBELL 861W, 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 CELLING 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
	Twist-SMOKE DETECTOR	SYSTEM CONNECTED DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR COMPLETE WITH SAMPLING TUBES.
	Twist-LOCK RECEPTACLE	DREAMSTEAMER - (FURNISHED BY LSO&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	
	SENSOR	SINGLE GANG BOX (2"x4") FOR SENSOR WITH FACE FLUSH TO DRYWALL.
	THERMOSTAT	SINGLE GANG BOX (2"x4") FOR 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 HORN/STROBE	DEVICE SHALL BE CEILING MOUNTED. 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 RESPONSIBILITY LEGEND	NTS	N
00N-E001-H00-L010	12/17/19	

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	●		FIELD VERIFY PRIOR TO BID
METER IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RISER)						EC	●		FIELD VERIFY PRIOR TO BID
C/TS AND CABINET IN LANDLORD'S OR TENANT'S SPACE (VERIFY W/ POWER PLANS, RISER)						EC	●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE CONDUIT(S) TO LEASE SPACE						EC	●		FIELD VERIFY PRIOR TO BID
SERVICE ENTRANCE FEEDER(S) TO LEASE SPACE						EC	●		FIELD VERIFY PRIOR TO BID
1.F.S. ENCLOSURE (SWITCHGEAR ASSEMBLY)			IF			EC	●		
277/480 VOLT PANEL			IF			EC	●		INSTALLED IN FACTORY
STEP DOWN LINE TRANSFORMER & MOUNTING ACCESSORIES			IF			EC	●		INSTALLED IN FACTORY
120/208 VOLT PANEL(S)			IF			EC	●		INSTALLED IN FACTORY
SMART BREAKER SYSTEM FOR LIGHTING CONTROL			IF			EC	●		INSTALLED IN FACTORY
LIGHTING CONTROLLER WITH POWER SUPPLY AND OVERRIDE STATION			IF			EC	●		INSTALLED IN FACTORY
BREAKER LOCKS			IF			EC	●		AS REQUIRED BY ENGINEER
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			EC			
ROOF TOP UNIT – DISCONNECT SWITCH			AC			AC			
ROOF TOP UNIT – WEATHERPROOF GFI SERVICE REC.			AC			AC			WIRED BY EC
AIR HANDLING UNIT (Ox AND/OR HX, CW WITH ELECTRIC HEAT-DISCONNECT SWITCH/STEM CONTACTS			AC			AC			
AIR HANDLING UNIT (Ox SPLIT) – DISCONNECT SWITCH / FAN CONTACTS			AC			AC			
CONDENSING UNIT (Ox SPLIT) – DISCONNECT SWITCH			EC			EC			
CONDENSING UNIT (Ox 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 AHJ
BURGLAR / SECURITY SYSTEM – HARDWARE			SSV			SC	●		
BURGLAR / SECURITY SYSTEM – WIRE			SSV			EC	●		
BURGLAR / SECURITY SYSTEM – CONDUIT / PULL STRING			EC			EC	●		IF REQUIRED BY AHJ
RF TECHNOLOGY SYSTEM – HARDWARE			RF			RC	●		
RF TECHNOLOGY SYSTEM – WIRE			RF			RC	●		
RF TECHNOLOGY SYSTEM – CONDUIT / PULL STRING			EC			EC	●		
CCTV / ALARM SYSTEM – HARDWARE							●		
CCTV / ALARM SYSTEM – CONDUIT / PULL STRING							●		IF REQUIRED BY AHJ
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 AHJ
DELIVERY BUZZER SYSTEM – HARDWARE			LD			EC	●		
DELIVERY BUZZER SYSTEM – WIRE			EC			EC	●		
DELIVERY BUZZER SYSTEM – CONDUIT / PULL STRING			EC			EC	●		IF REQUIRED BY AHJ
TRAFFIC COUNTER – CONDUIT / PULL STRING			EC			EC	●		
TRAFFIC COUNTER – 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 LAMPS INCLUDING CONTROL SYSTEM			LD			EC			
RECEPTACLES, COVERPLATES AND MOTION SENSOR LIGHT SWITCHES			LD			EC			
FLOOR BOXES, COVERS AND FLOOR BOXES DATA			LD			EC			UNLESS OTHERWISE NOTED ON PLANS
JUNCTION BOXES			EC			EC			
SENSOR/SMART SYSTEM – HARDWARE			SV			EC	●		
SENSOR/SMART 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 GROUND PANEL – PROTECTION OF DURING CONSTRUCTION / REDUCTION / REDUCTION			GC			GC	●		CALL LS&C TO REDUCE, DO NOT CUT WIRE.
DUCT SMOKE DETECTOR			FAC			MC			
MECHANICAL EQUIPMENT SHUT-DOWN RELAY			FAC			FAC			
FIRE ALARM SYSTEM			FAC			FAC			
CASHWRAP – POWER WIRING AND CONDUIT / PULL STRING			EC			EC			
ROLLING GRILLE – POWER WIRING AND CONDUIT / PULL STRING			EC			EC	●		
ROLLING GRILLE – INTERLOCK AND BARREL SWITCH			LS&C			EC	●		
ROLLING GRILLE – DOOR AND MOTOR			LS&C			LS&C	●		
DREAMSTEAMER – POWER WIRING AND CONDUIT / PULL STRING			EC			EC	●		RECEPTACLE BY LD
AS-BUILT DRAWINGS			EC			EC			
ABBREVIATIONS:									
AC	HVAC EQUIPMENT SUPPLIER			MC	MECHANICAL CONTRACTOR				
AHJ	AUTHORITY HAVING JURISDICTION			MS	MUSIC SYSTEM VENDOR				
EC	ELECTRICAL CONTRACTOR			PC	PLUMBING CONTRACTOR				
EMS	ENERGY MANAGEMENT SYSTEM VENDOR			PS	PAGING SYSTEM VENDOR				
FAC	FIRE ALARM CONTRACTOR			RC	RF TECHNOLOGY CONTRACTOR				
GC	GENERAL CONTRACTOR			RF	RF TECHNOLOGY SYSTEM VENDOR				
IF	IFS SUPPLIER			SC	SECURITY CONTRACTOR				
LD	LIGHTING PACKAGE DISTRIBUTOR			SSV	SECURITY SYSTEM VENDOR				
LL	LANDLORD			SV	SENSOR/SMART VENDOR				
LS&C	LIMITED STORE DESIGN AND CONSTRUCTION			TEL	TELEPHONE CONTRACTOR				
ANY ITEM NOT SHOWN IS THE RESPONSIBILITY OF CONTRACTOR.									
ELECTRICAL RESPONSIBILITY SCHEDULE							NTS		
							00N-E001-J00-S010		

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"	CAJ11080	CAJ11080	FC10110	WL10408	SSS100 SEALANT	
	CAJ12113	WJ10350		WL1088	LC150 SEALANT	
	CAJ1198	CAJ1198		WL1062	PEN300 SILICONE	
PVC CONDUIT 2" AND SMALLER	CAJ2031	WJ2018	FC2032	WL2093	SSS100 SEALANT	
	CAJ2038	CAJ2038		WL2029	FIRESTOP COLLAR	
PVC CONDUITS 2" THRU 4"	CAJ2045	CAJ2045		WL2059	WRAP STRIPS	
	CAJ2124	CAJ2124	FC2033	WL4008	FIRESTOP PILLOWS	
CABLE TRAY STEEL OR ALUMINUM	CAJ4020	WJ4021		WL4008	FIRESTOP MORTAR	
	CAJ4020	CAJ4020		WL4005	SSS100 SEALANT	
		WJ4009			PEN300 SILICONE	
ELECTRICAL BUS DUCT	CAJ6003	CAJ6003		WL6001	SSS100 SEALANT	
	CAJ6008	CAJ6008		WL3076	SSS100 SEALANT	
CABLE BUNDLES MAX. 3"	CAJ13154	WJ3022				
NOTES:						
1. ALL UL 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 UL 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	H
00N-E001-H00-SCHD			08/12/11

1. FIRE ALARM SYSTEM SHALL BE UL LISTED AND APPROVED BY LOCAL FIRE OFFICIAL AND FIRE DEPARTMENT.

2. FIRE ALARM SYSTEM TO SHUT-DOWN HVAC UNITS IN CASE OF ANY ALARM.

3. 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.

4. TENANT'S FIRE ALARM SYSTEM SHALL BE PRETESTED 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.

5. LANDLORD'S FIRE ALARM CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO LANDLORD'S FIRE ALARM SYSTEM AT THE TENANT'S SOLE COST AND EXPENSE.

6. 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.

7. 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.

8. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK AND EXACT FIXTURE LOCATIONS.

9. CONTRACTOR SHALL PROVIDE CUIT SHEETS TO LSOC 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.

10. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE EXACT LOCATION OF SMOKE DETECTORS AND FIRE ALARM INTERFACE PANEL IN TENANT'S DENISED PREMISES PRIOR TO SUBMITTING HIS OR HER BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXTRAS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOB SITE AND/OR FAILURE TO PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS OR HER BID.

11. ACCESS TO ALL COMPONENTS AND EQUIPMENT MUST BE PROVIDED TO MEET CODE AND SERVICE/MAINTENANCE EASE.

12. THE CONTRACTOR SHALL VERIFY WITH LOCAL CODES AS TO THE REQUIREMENT/INSTALLATION OF THE FIRE ALARM SYSTEM.

13. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL ENSURE THE PROPER WORKING ORDER OF THE SYSTEM(S) AND MAKE ANY ADJUSTMENTS AS REQUIRED.

14. FIRE ALARM CONTRACTOR SHALL PROVIDE UL LISTED FIRE STOPPING SYSTEMS AROUND ALL CONDUIT PENETRATIONS THROUGH RATED WALLS.

15. FIRE ALARM CONTRACTOR RESPONSIBLE FOR PULLING LOW VOLTAGE PERMIT.

FIRE ALARM GENERAL NOTES		NTS	G
00N-E001-G00-NOTE			08/12/11

1. FIRE ALARM SYSTEM SHALL BE FURNISHED, INSTALLED AND WIRED BY THE FIRE ALARM CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM (LANDLORD APPROVED) EQUAL TO NOTIFIER SYSTEM 500 OR EQUAL OF PYROTRONICS, EDWARDS SIGNS TECHNOLOGIES OR SIMPLEX/GRINNELL. CONTROL PANEL SHALL BE A MICROPROCESSOR BASED SYSTEM CONTAINING 6 FIRE ALARM ZONES, INITIATING ALARM POWER MODULES FOR HORNS & STROBES, CONTROL RELAY MODULE FOR CONTROL OF H.V.A.C. EQUIPMENT, AND ALL OTHER MISCELLANEOUS ITEMS FOR A COMPLETE AND OPERATING FIRE ALARM SYSTEM. CONTROL PANEL TO BE PROGRAMMED SO THAT IF ANY ONE ZONE GOES INTO ALARM, ALL H.V.A.C. UNITS ARE TO BE SHUT DOWN.

2. THE FOLLOWING PERIPHERAL DEVICES TO BE INSTALLED AS A PART OF THE FIRE ALARM SYSTEM:
2.1. MANUAL PULL STATION, NON-CODED, DUAL-ACTION, UNIT, +48" A.F.F., #NBS-1D.
2.2. DUCT MOUNTED SMOKE DETECTORS, PHOTOELECTRIC TYPE WITH REQUIRED SAMPLING TUBES.
2.3. AREA SMOKE DETECTOR, PHOTOELECTRIC TYPE #2451-84028.
2.4. HORN/STROBE UNIT, MINIMUM 75db, WALL MOUNTED DEVICES SHALL BE MOUNTED SO THE ENTIRE STROBE LENS IS NOT LESS THAN 80" A.F.F. AND NOT GREATER THAN 96" A.F.F. OR PER NFPA 72, ADA, OR LOCAL JURISDICTION, WHICHEVER IS STRICTER, #AUS22475ADA.
2.5. STROBE UNIT, MINIMUM 75db, MOUNT DEVICE ON WALL SUCH THAT THE ENTIRE STROBE LENS IS NOT LESS THAN 80" A.F.F. AND NOT GREATER THAN 96" A.F.F. OR PER NFPA 72, ADA, OR LOCAL JURISDICTION, WHICHEVER IS STRICTER, #SS2475ADA.

3. OWNER TO PROVIDE WIRING AND CONNECTION TO "LOCAL ENERGY METRIC BOX OUTPUT". ALL FIRE ALARM CONDUCTORS TO BE AS RECOMMENDED BY MANUFACTURER.

4. ALL FIRE ALARM MATERIALS AND INSTALLATION TO BE IN CONFORMANCE WITH N.F.P.A. 72 AND A.D.A. (AMERICANS WITH DISABILITIES ACT). IN AREAS AND CORRIDORS WHERE TWO OR MORE VISUAL STROBE UNITS ARE INSTALLED, PROVIDE SYNCHRONIZED STROBE UNITS SO AS TO PROVIDE A FLASH RATE MINIMUM OF 1 Hz AND A MAXIMUM OF 3 Hz.

5. FIRE ALARM SYSTEM: ELECTRICAL CONTRACTOR SHALL VERIFY ALL NECESSARY SPRINKLER LINE POWER AND SIGNAL CONNECTIONS, I.E. FLOW SWITCH, TAMPER SWITCH, SPRINKLER BELL, ETC. SPRINKLER BELL SHOULD BE WALL MOUNTED IN DIRECT PROXIMITY TO THE SPRINKLER LINE ENTERING THE BUILDING AT APPROXIMATELY 8'-0" ABOVE FINISHED GRADE.

6. AFTER INSTALLATION, WIRING, AND CHECK-OUT OF ALL FIRE ALARM HORNS, CONTRACTOR SHALL PERFORM A SOUND LEVEL CHECK OF ALL AREAS. IN CONFORMANCE WITH NFPA 72 AND THE LOCAL AUTHORITY HAVING JURISDICTION, SOUND LEVELS PRODUCED BY FIRE ALARM HORNS TO BE 15 DBA ABOVE THE EQUIVALENT SOUND LEVEL OR 5 DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS (WHICHEVER IS GREATER) MEASURED 5 FEET ABOVE THE FLOOR IN THE OCCUPABLE AREA. AREAS THAT ARE DETERMINED TO BE DEFICIENT TO HAVE ADDITIONAL FIRE ALARM HORN APPLIANCES ADDED TO THE TOTAL SYSTEM, AT NO ADDITIONAL COST TO THE OWNER.

7. INSTALLATION ALSO TO COMPLY WITH ALL "AMERICANS WITH DISABILITIES ACT" (ADA) REGULATIONS FOR AUDIBLE AND VISUAL ALARM DEVICES. THE FIRE ALARM SYSTEM DESIGN BEEN PROVIDED IN AN EFFORT TO COMPLY WITH ALL KNOWN REGULATIONS. ANY AREAS FOUND TO BE DEFICIENT OF AUDIBLE AND/OR VISUAL ALARM DEVICES ARE TO HAVE ADDITIONAL DEVICES ADDED SO AS TO COMPLY, WITH NO ADDITIONAL COSTS TO THE OWNER.

FIRE ALARM SINGLE LINE DIAGRAM		NTS	E
00N-E001-E00-DIAG			08/12/11