W/ WHTR	VAV	NON	TEL THRU TYP	SW SWBD SWGR SYM	RECEPT RENOV	PWR PWR PIV	PB C	01 's	MT MTD MTG	m. MLO	MCB MCC	LUM	KOMIL	J BOX	INCAND INCAND IWH	HP HP HOA	G, GND GEN GFI	FXTR	FCP FES FCU FLR FLUOR FPB	FA	EC EDH ELEC EWC EWH EXH FN EXH FN	DISC DWG	C, CND CKT CB, CKT BRKR CLG CW	3/C	BLDG BMS/EMS BRKR BFPV	ATS AWG	AFF AFG AHU AIC	A (	SYMBOL
WATT OR WIRE WITH WATER—HEATER WEATHER PROOF	VOLTS VARIABLE AIR VOLUME BOX	UNLESS OTHERWISE NOTED	TELEPHONE THROUGH TYPICAL	SMITCH SWITCHBOARD SWITCHGEAR SYMBOL	RECEPTACLE RENOVATION	PANEL POWER POST INDICATING VALVE	PUSH BUTTON PHASE	NIGHT LIGHT	MOUNT MOUNTED MOUNTING	MINIMUM  MAIN LUGS ONLY  METER  MILLIMETER	MAXIMUM MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MANHOLE	LIGHT LUMINAIRE (LIGHT FIXTURE)	THOUSAND CIRCULAR MILS	JUNCTION BOX JUNCTION BOX	INCANDESCENT INCANDESCENT INCANDESCENT INSTANT WATER HEATER	HAND-OFF-AUTO HORSEPOWER HEIGHT HEATING, VENTILATION, AIR CONDITIONING	GROUND GENERATOR GROUND FAULT INTERRUPTER HIGH INTENSITY DISCHARGE (ILLUMINATION)	FIXTURE	FIRE ALARM CONTROL PANEL FIRE EXTINGUISHER SYSTEM FAN COIL UNIT FLOOR FLUORESCENT FAN POWER BOX FIRSF	FIRE ALARM	EMPTY CONDUIT ELECTRIC DUCT HTR. ELECTRIC(AL) EXPLOSION PROOF ELECTRIC WATER COOLER ELECTRIC WATER HEATER EXHAUST EXHAUST FAN EXISTING	DISCONNECT DRAWING	AKER	CONDUCTOR, NUMBER OF (3)	BUILDING BUILDING/ENERGY MANAGEMENT SYSTEM BREAKER BACK FLOW PREVENTOR VALVE	AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AIR HANDLING UNIT SHORT CIRCUIT CURRENT RATING (SYMMETRICAL OR AMPERE INTERRUPTING RATING)	AMPERE	DESCRIPTION

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	<b>∀</b>	<b>→</b> <del>←</del> → <del>z</del>	<del>\</del>	<b>⇔</b>	$\$_3/\$_4$	↔	•					H	<b>#</b>	$\rightarrow$	=	$\Rightarrow$		× 1 ,			5 (A0) 5 a (A0) a	(AO)	o 5 AO	5 (20)	5 (A0)	5 <b>6 6 6 6 6 6 6 6 6 6</b>	5000		SYMBOL	SYMBOL
LUTRON CEILING MOUNTED OCCUPANCY SENSOR (500/1000/ SQUARE FEET) WITH A 180 DEGREE FIELD VIEW. DUAL TECHNOLOGY, SELF ADAPTIVE — TYPE LOS—CDT—500/1000—WH  LUTRON CEILING MOUNTED OCCUPANCY SENSOR (2000 SQUARE FEET) WITH 360 DEGREE FIELD VIEW, DUAL TECHNOLOGY, SELF ADAPTIVE — TYPE LOS—CDT—2000—WH	LUTRON LOW VOLTAGE WALL STATION  MANUAL NOTOR STARTER SWITCH WITH OVERLOAD PROTECTION (2 POLES, 30A RATED)	P/N LOS-SIR-WH ( OCCUPANCY SENSOR	NIROL GREENGATE SWITCH WITH BLIN CODE COMPLIANG	SENTRY SWITCH — MODELS NO. SD05277WHD & SD20277WHD, 120/277VRATED SWITCH WITH BUILT—IN RELAY FOR ENERGY CODE COMPLIANCE. NIGHT—LIGHT ALLOW USER TO FIND SWITCH AFTER LIGHT SHUT OFF.	20A., 277 VOLTS THREE WAY SWITCH 1.2 m. (4'-0") A.F.F. 20A., 277 VOLTS FOUR WAY SWITCH 1.2 m. (4'-0") A.F.F.	FLUSH POKE—THRU FIRE RATED FITTING, THROUGH—FLOOR SERVICE FOR POWER, TELEPHONE (VOICE) AND DATA IN ONE UNIT. PROVIDE WITH CONDUIT ADAPTER FOR FURNITURTE FEED. PROVIDE AND COORDINATE FINAL TERMINATION WITH FURNITURE INSTALLED.  20A., 277 VOLTS SINGLE POLE TOGGLE SWITCH 1.2 m. (4'-0") A.F.F.	FLUSH POKE—THRU FIRE RATED FITTING, THROUGH—FLOOR SERVICE FOR POWER, TELEPHONE (VOICE) AND DATA IN ONE UNIT. PROVIDE WITH TWO 20A, 125V, 3W DUPLEX RECEPTACLE, AND ONE TELEPHONE (VOICE)/DATA	20 A. 125V, 3 WIRES, GROUNDING TYPE FLOOR MOUNTED DUPLEX RECEPTACLE/TELEPHONE OUTLET (2 GANG) DUPLEX TELEVISION OUTLET TYPE F CONNECTOR; FLOOR MOUNTED BOX IN GROUND FLOOR.	20A, 125V, 3 WIRES GROUNDING TYPE I CEPTACLE/DATA OUTLET (3 GANG).	DUPLEX RECEPTACLE (SINGLE GANG FLOOR BOX). "F" DENOTES ADAPTOR PLATE FOR ASSEMBLED FURNITURE FEED.  20 A. 125V, 3 WIRES, GROUNDING TYPE CEILING MOUNTED DUPLEX RECEPTACLE (SINGLE GANG CEILING BOX).	5V, 3 WIRES, GROUNDING TYPE FLOOR RECEPTACLE/TELEPHONE OUTLET (2 GAI	NEMA L6 TYPE RECEPTACLE RATED FOR 20, 30, 50 OR 60 AMPS, AS SPEFICIED ON PLANS, MOUNTED AT 457 mm. (18") A.F.F. CONTRACTOR TO VERIFY EXACT MATCHING WITH EQUIPMENT CORD PLUG.	20A., 125V, 3 WIRES GROUNDING TYPE TWO DUPLEX RECEPTACLE IN A TWO GANG BOX 457 mm. (18") A.F.F. GFI — GND FAULT INTERRUPTER, WP — WEATHERPROOF.	20A., 125V, 3 WIRES GROUNDING TYPE SINGLE RECEPTACLE 457 mm. (18") A.F.F.	125V, 3 WIRES GROUNDING TYPE DUPLEX RECEPTACLE 1. (48") A.F.F. OR 6" ABOVE COUNTER	20A., 125V, 3 WIRES GROUNDING TYPE DUPLEX RECEPTACLE 457 mm. (18") A.F.F. GFI — GND FAULT INTERRUPTER, WP — WEATHERPROOF.	WIRING DEVICES	FIXTUF DWGS. CIRCUI	MID. FLUORESCENT OR H.I.D. LUMINAIRE	CEILING MTD. (RECESSED/SURFACE)/WALL MTD. FLUORESCENT LUMINAIRE (LIGHT FIXTURE) ON EMERGENCY CIRCUIT / OR WITH BATTERY BACK—UP. LETTERS — DENOTE TYPE, NUMBER — DENOTES CIRCUIT NUMBER	CEILING MTD. (RECESSED/SURFACE)/WALL MTD. FLUORESCENT LUMINAIRE. LETTERS — DENOTE TYPE, NUMBER — DENOTES CIRCUIT NUMBER a — DENOTES SWITCH CONTROL	2'x2' CEILING MTD. (RECESSED/SURFACE) FLUORESCENT TROFFER LUMINAIRE (LIGHT FIXTURE) ON EMERGENCY CIRCUIT / OR WITH BATTERY BACK-UP. LETTERS - DENOTE TYPE, NUMBER - DENOTES CIRCUIT NUMBER	2'x2' CEILING MTD. (RECESSED/SURFACE) FLUORESCENT TROFFER LUMINAIRE (LIGHT FIXTURE) LETTERS — DENOTE TYPE, NUMBER — DENOTES CIRCUIT NUMBER a — DENOTES SWITCH CONTROL, NL — DENOTES NIGHT LIGHT	2'x4' CEILING MTD. (RECESSED/SURFACE) FLUORESCENT TROFFER LUMINAIRE (LIGHT FIXTURE) ON EMERGENCY CIRCUIT / OR WITH BATTERY BACK-UP. LETTERS - DENOTE TYPE, NUMBER - DENOTES CIRCUIT NUMBER	$2^{\circ}x4^{\circ}$ CEILING MTD. (RECESSED/SURFACE) FLUORESCENT TROFFER LUMINAIRE (LIGHT FIXTURE) LETTERS — DENOTE TYPE, NUMBER — DENOTES CIRCUIT NUMBER $_{ m d}$ — DENOTES SWITCH CONTROL, NL — DENOTES NIGHT LIGHT	CEILING MTD./WALL MTD. FLUORESCENT OR H.I.D. LUMINAIRE (LIGHT FIXTURE) ON EMERGENCY CIRCUIT / OR WITH BATTERY BACK-UP. LETTERS - DENOTE TYPE, NUMBER - DENOTES CIRCUIT NUMBER	CEILING MTD./WALL MTD. FLUORESCENT OR H.I.D. LUMINAIRE (LIGHT FIXTURE). LETTERS — DENOTE TYPE, NUMBER — DENOTES CIRCUIT NUMBER	LIGHTING	DESCRIPTION	L LEGEND

SYMBOI	DESCRIPTION
	DISTRIBUTION
$\odot$ $/\odot$	WALL MOUNTED/ABOVE HUNG CEILING — JUNCTION BOX
	JUNCTION BOX AND DIRECT CONNECTION TO EQUIPMENT AS INDICATED ON PLANS
3 100	DISCONNECT SWITCH: 3 - NUMBER OF POLES, 100 - SWITCH SIZE, 0 - FUSE SIZE (NO FUSE), * - FUSE SIZE AS PER MANUFACTURER EQUIPMENT RECOMMENDATIONS.
$\boxtimes$	MAGNETIC MOTOR STARTER FURNISHED BY OTHER SECTION OF SPECIFICATIONS, INSTALLED BY ELECTRICAL CONTRACTOR
$\swarrow$	DISCONNECT + STARTER AS DESCRIBED ABOVE
$\overline{)}$	MOTOR: NUMBER - HORSEPOWER
•	SHUNT TRIP PUSHBUTTON 1.2 m. (4'-0") A.F.F.
╗	TIME CLOCK
ВЧ	PULL BOX
T-75	DRY TYPE TRANSFORMER SIZE AND MOUNTING AS INDICATED IN TRANSFORMER SCHEDULE
ATS	AUTOMATIC TRANSFER SWITCH
VFD	VARIABLE FREQUENCY DRIVE, FURNISHED BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
VAV	VARIABLE VOLUME BOX FAN AND HEATER
	ILLUMINATION, POWER OR DISTRIBUTION PANEL, SURFACE MOUNTED SERVED FROM EMERGENCY POWER.
	ILLUMINATION, POWER OR DISTRIBUTION PANEL, SURFACE MOUNTED SERVED FROM NORMAL POWER.
THE STATE OF THE S	HOMERUN TO PANEL (U.O.N. 12 AWG IN 16 (1/2 ") CONDUIT MARKS DENOTE — NUMBER OF WIRES (HOT OR SWITCH LEGS) LONG MARK — NEUTRAL, NO MARK — NEUTRAL & ONE HOT WIRE DARK CIRCLE SYMBOL — GREEN GROUND
     	BRANCH CIRCUIT OR FEEDER UNDERGROUND OR CONCEALED IN SLAB
www	FLEXIBLE CONDUIT (NO LONGER THAN 1.8 m. (6'-0")
	CONDUIT STUB-DOWN
•	CONDUIT STUB-UP
	T56 TRANSFORMER (LUMIERE) 12V/300W
	COMMUNICATIONS
	TELEPHONE BACKBOARD
<b>~</b>	COMBINATION TELEPHONE (VOICE) AND DATA
<b>\</b>	TELEPHONE (VOICE) OUTLET 457 mm. (18") A.F.F. / TELEPHONE (VOICE) FLOOR OUTLET
<b>◆</b> %	TELEPHONE (VOICE) OUTLET, WALL MOUNTED 1.2 m. (48") TO & A
$\Box/\Box$	DATA OUTLET 457 mm. (18") A.F.F. /DATA FLOOR OUTLET
	TELEPHONE/DATA OUTLET FLOOR TYPE. F $-$ DENOTES FLUSH MOUNTES $-$ DENOTES SURFACE MOUNTED.
HTV	TELEVISION OUTLET TYPE F CONNECTOR; WALL MOUNTED, HEIGHT SHOWN IN FLOOR PLAN
$\supset$	DUPLEX TELEVISION OUTLET TYPE F CONNECTOR; FLOOR MOUNTED BOX

ABBREVIATIONS

	[
ELECTRIC DOOR STRIKE	ES
SOUND SYSTEM TERMINAL CABINET	SST
SOUND SYSTEM RACK	SSR
CABLE TV OUTLET - 1.2 m. (48") A.F.F.	HTV
CLOSED CIRCUIT TV MONITOR. DESK OR WALL MOUNTED.	TVM
REMOTE PUSH BUTTON DOOR ACTIVATOR WALL MOUNTED AT 1.2 m. $(4'-0")$ A.F.F.	<b>●</b>
INTERCOM SPEAKER CEILING MOUNTED/WALL MOUNTED	$\mathbb{S}_{\mathrm{I}}/\mathbb{S}_{\mathrm{I}}$
LOCAL PA SYSTEM SPEAKER CEILING MOUNTED	(S) PA
JUNCTION BOX ABOVE HUNG CEILING FOR FUTURE WIRELESS COMMUNICATION SYSTEM.	W
CEILING MOUNTED JUNCTION BOX FOR CEILING PROJECTOR. SEE DETAILS SHEET FOR WIRING REQUIREMENTS.	Ο <sub>PJ</sub>
AUXILIARY SYSTEMS	
INTRUSION / BURGLAR DETECTOR	⑤
MAGNETIC CONTACT FOR DOOR INTRUSION DETECTION	#
CARD ACCESS SYSTEM TERMINAL CABINET. 900mm (36") x 900mm (36") x 150mm (6") DEEP WITH 12.5mm (1/2") PLYWOOD BACKING.	"CAS"
VIDEO SURVEILLANCE SYSTEM TERMINAL CABINET. 900mm (36") × 900mm (36") × 150mm (6") DEEP WITH 12.5mm (1/2") PLYWOOD BACKING.	"VSS"
INTRUSION DETECTION SYSTEM TERMINAL CABINET. 900mm (36") $\times$ 900mm (36") $\times$ 150mm (6") DEEP WITH 12.5mm (1/2") PLYWOOD BACKING.	"SACP"
SECURITY SYSTEM JUNCTION BOX, WALL MOUNTED 2250mm (90") A.F.F. TO TOP OF BOX FOR OWNER SUPPLIED INTRUSION DETECTION DEVICE. 100mm (4") SQUARE X 53mm (2 1/8") DEEP BOX LOCATED 300 mm (12") ON EITHER SIDE OF CLOCK. REFER TO RISER FOR RACEWAY SYSTEM LAYOUT OF JUNCTION BOXES.	SJ O
CAMERA LOCATION (DEVICE AND WIRE BY OWNER). PROVIDE JUNCTION BOX ABOVE CEILING SPACE. MOUNT JUNCTION BOX 457mm (18") ABOVE FINISH CEILING SPACE ON WALL. REFER TO RISER FOR RACEWAY SYSTEM LAYOUT CAMERA JUNCTION BOXES.	N V
PROXIMITY CARD READER INTERFACE BOX. SEE WIRING SCHEME DETAIL FOR ELEVATOR	CAIH
PROXIMITY CARD READER, MOUNT 1150mm (46") A.F.F. (DEVICE BY OWNER). SEE DETAILS SHEET	CA
MOTION DETECTOR MOUNTING AS SPECIFIED	MD
ANTENNA OUTLET MOUNTING AS SPECIFIED	
MICROPHONE OUTLET — FLOOR MOUNTED /WALL MOUNTED	3 M
VOLUME CONTROL SWITCH - 1.2 m. (4'-0") A.F.F.	⊬⊴
SOUND SYSTEM WIRING	S
LOW VOLTAGE WIRING	
AUXILIARY SYSTEMS	
FIRE ALARM SYSTEM — MAGNETIC DOOR HOLDER FLOOR OR WALL MOUNTED AS REQUIRED	<b>●</b> +/□++
FIRE ALARM REMOTE VOICE CONTROL PANEL W/MICROPHONE	RM
FIRE ALARM SYSTEM (CONT	
DESCRIPTION	SYMBOL
LEGEND	SYMBO

PAN-TILT-ZOOM CCTV CAMERA 2.1 m. (84") A.F.F.
ELECTRIC DOOR STRIKE
SOUND SYSTEM TERMINAL CABINET
SOUND SYSTEM RACK
CABLE TV OUTLET - 1.2 m. (48") A.F.F.
CLOSED CIRCUIT TV MONITOR. DESK OR WALL MOUNTED.
REMOTE PUSH BUTTON DOOR ACTIVATOR WALL MOUNTED AT 1.2 m. (4'-0") A.F.F.
INTERCOM SPEAKER CEILING MOUNTED/WALL MOUNTED
LOCAL PA SYSTEM SPEAKER CEILING MOUNTED
JUNCTION BOX ABOVE HUNG CEILING FOR FUTURE WIRELESS COMMUNICATION SYSTEM.
CEILING MOUNTED JUNCTION BOX FOR CEILING PROJECTOR. SEE DETAILS SHEET FOR WIRING REQUIREMENTS.
AUXILIARY SYSTEMS
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PROXIMITY CARD READER, MOUNT 1150mm (46") A.F.F. (DEVICE BY OWNER). SEE DETAILS SHEET
MOTION DETECTOR MOUNTING AS SPECIFIED
ANTENNA OUTLET MOUNTING AS SPECIFIED
MICROPHONE OUTLET - FLOOR MOUNTED /WALL MOUNTED
VOLUME CONTROL SWITCH - 1.2 m. (4'-0") A.F.F.
SOUND SYSTEM WIRING
LOW VOLTAGE WIRING
AUXILIARY SYSTEMS
FIRE ALARM SYSTEM - MAGNETIC DOOR HOLDER FLOOR OR WALL MOUNTED AS REQUIRED
FIRE ALARM REMOTE VOICE CONTROL PANEL W/MICROPHONE
FIRE ALARM SYSTEM (CONT)
DESCRIPTION
)L LEGEND

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KEY PLAN SYMBOL, LEGEND, **ABBREVIATIONS** 

PROJECT NO:

DRAWN BY:

CHECKED BY:

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10-22-2009

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