1S/DP	4' SQUARE BY 2-1/8' DEEP BOX				
ADA	AMERICAN WITH DISABILITIES ACT	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NO	NORMALLY OPENED
A.F.F.	ABOVE FINISH FLOOR	GFP	GROUND FAULT PROTECTION	NF	NON-FUSED
A.F.G.	ABOVE FINISH FLOOR ABOVE FINISH GRADE	GE or GEC	GROUNDING ELECTRODE CONDUCTOR	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	HACR	HEATING AIR CONDITIONING	N.T.S.	NOT TO SCALE
AMP, A	AMPERE	REFRIGERATION		NL	NIGHT LIGHT
A.I.C.	AMPERES INTERRUPTING CAPACITY	HOA	HAND-OFF-AUTO	NO. or #	NUMBER
AF/AT	(SYMMETRICAL) AMP FRAME. AMP TRIP	HVAC CONDITIONING	HEATING, VENTILATING AND AIR	OFCI INSTALLED	OWNER FURNISHED, CONTRACTOR
AHJ	AUTHORITY, HAVING JURISDICTION	H.,W.,D.,L.	HEIGHT, WIDTH, DEPTH, LENGTH	%Z	PERCENT IMPEDANCE
AS/AF	AMP SWITCH, AMP FUSE	HID	HIGH INTENSITY DISCHARGE	PH. or Ø	PHASE
ATS	AUTOMATIC TRANSFER SWITCH	HP	HORSEPOWER	PC	PHOTOCELL
AVG	AVERAGE	HPS	HIGH PRESSURE SODIUM	P.C.	PLUMBING CONTRACTOR
BJ	BONDING JUMPER	IN. or "	INCHES	P	POLE
BDF BR	BUILDING DISTRIBUTION FRAME BRANCH BRANCH	I/G	ISOLATED GROUND	PVC	POLY VINYL CHLORIDE
BLDG	BUILDING	IBC	INTERNATIONAL BUILDING CODE	PDU	POWER DISTRIBUTION UNIT
CBC	CALIFORNIA BUILDING CODE	IDF	INTERMEDIATE DISTRIBUTION FRAME	PRIMARY	OVER 600 VOLTS
CEC	CALIFORNIA ELECTRICAL CODE	JBOX K	JUNCTION BOX DEGREE KELVIN	PROVIDE PT	FURNISH, INSTALL AND CONNECT POTENTIAL TRANSFORMER
CIRC., CKT.	CIRCUIT	KCMIL	THOUSAND CIRCULAR MILS	PA PA	PUBLIC ADDRESS
CB	CIRCUIT BREAKER	KVA	KILOVOLT AMPERES	(R)	DENOTES RELOCATED DEVICE LOCATION
CSFD C	COMBINATION SMOKE FIRE DAMPER CONDUIT	KW	KILOWATT	REC, RECEPT	RECEPTACLE
č.o.	CONDUIT ONLY, COMPLETE WITH	KWH	KILOWATT HOUR	REF	REFRIGERATOR
	PULLSTRING	LCL	LONG CONTINUOUS LOAD	RGS	RIGID GALVANIZED STEEL
CONN	CONNECTED	LF, L.F.	LINEAR FEET	RMS	ROOT MEAN SQUARE
CPT CLCB	CONTROL POWER TRANSFORMER CURRENT LIMITING CIRCUIT BREAKER	LTG. LTS	LOW PRESSURE SODIUM	SCC	STRUCTURED CABLING SYSTEM
CLCB	CURRENT LIMITING CIRCUIT BREAKER CURRENT LIMITING FUSE	MAX.	MAXIMUM	SFD	SMOKE FIRE DAMPER
CT	CURRENT TRANSFORMER	MBJ	MAIN BONDING JUMPER	SECONDARY	600 VOLTS AND LESS
(D)	EXISTING DEVICE TO BE DEMOLISH	MDF	MAIN DISTRIBUTION FRAME	SMACNA	SHEET METAL & AIR COND.
DIÀ	DIAMETER	MOCP	MAXIMUM OVERCURRENT PROTECTION		CONTRACTORS' NAT'L ASSOC.
DISC	DISCONNECT	MCB	MAIN CIRCUIT BREAKER	SQ.	SQUARE
DIST E.C.	DISTRIBUTION ELECTRICAL CONTRACTOR	MLO	MAIN LUGS ONLY	SSBJ	SUPPLY SIDE BONDING JUMPER
EMS	ENERGY MANAGEMENT CONTROL SYSTEM	M.C.	MECHANICAL CONTRACTOR	TC	TIMECLOCK
EMT	ELECTRICAL METALLIC TUBING	M	METER	TEL/DATA	TELEPHONE AND DATA
ENT	ELECTRICAL NON-TUBING	M/M	METER MAIN	TV	TELEVISION
EWC	ELECTRIC WATER COOLER	MV	MERCURY VAPOR	T.V.S.S	TRANSIENT VOLTAGE SURGE
E.P.O.	EMERGENCY POWER OFF	MH	METAL HALIDE	SUPPRESSION	
E-O-L	END-OFLINE CIRCUIT TERMINATOR	MIN.	MINIMUM	TYP	TYPICAL
EF	EXHAUST FAN	MCA	MINIMUM CIRCUIT AMPS	U.G.P.S.	UNDERGROUND PULL SECTION
	EQUIPMENT GROUND (GREEN)	MCC	THOUSAND CIRCULAR MILS	U.O.N.	UNLESS OTHERWISE NOTED
(E)	EXISTING DEVICE TO REMAIN	MCP	MOTOR CIRCUIT PROTECTOR	U.P.S.	UNINTERRUPTIBLE POWER SYSTEM
ÉP (ER)	EXPLOSION PROOF EXISTING DEVICE TO BE RELOCATED	MFR.	MANUFACTURER	VAV	VARIABLE AIR VOLUME
FT or '	FEET	MTD MW	MOUNTED	V	VOLTS
FA	FIRE ALARM		MICROWAVE	VA	BOLTS AMPERES
FLA	FULL LOAD AMPS	NATS NEC	NON AUTOMATIC DISCONNECT NATIONAL ELECTRICAL CODE	VD WP	VOLTAGE DROP WEATHERPROOF
GROUND	GROUND	NEMA	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL	W	WIRE
		MANUFACTURES		XFMR	
		NC	NORMALLY CLOSED	AFIVIR	TRANSFORMER
		INO		_	
FIRE ALARM SYMBOLS			<u>ANNOTATIONS</u>		

INDICATES UNIT NUMBER. REFER TO MECHANICAL DRAWINGS FOR EXACT

DETAIL CALLOUT "3" INDICATES DETAIL NUMBER "E-1", INDICATES SHEET

(2) PLAN NOTE REFERENCE, REFER TO NOTES ON SHEET, OR AS DIRECTED.

WYE CONFIGURATION \triangle DELTA CONFIGURATION

CCTV CLOSED CIRCUIT TELEVISION CONTROL PANEL - SEE SPECIFICATIONS.

CPS CLOSED CIRCUIT TELEVISION POWER SUPPLY - SEE SPECIFICATIONS.

— CC — CCTV SYSTEM ERANCH CIRCUIT PER CCTV SYSTEM RISER CIKGRAM AND/OR

ELEPHONE CUTLET BOX, WALL MOUNTED. STUB A 1" C.O. UP 6" ABOVE THE

ACCESSIBLE CEILING AND PROVIDE A BUSHING. 4S/DP MINIMUM WITH SINGLE

"W" = WALL MOUNTED PHONE
"P" = PUBLIC (PAY) PHONE. VERIFY ALL REQUIREMENTS WITH THE

ACCESSIBLE CEILING AND PROVIDE A BUSHING. 4S/DP MINIMUM WITH SINGLE

COMBINATION TELEPHONE AND DATA OUTLET BOX. WALL MOUNTED. STUB A 1"

C.O. UP 6" ABOVE THE ACCESSIBLE CEILING AND PROVIDE A BUSHING. 4S/DP

TELEPHONE OUTLET BOX, FLUSH MOUNTED IN CEILING - MOUNT FLUSH IN

DATA OUTLET BOX FLUSH MOUNTED IN CEILING - MOUNT FLUSH IN FLOOR

TELEPHONE OUTLET BOX, WALL MOUNTED 6" ABOVE COUNTER OR SPLASH.

DATA OUTLET BOX, WALL MOUNTED 6" ABOVE COUNTER OR SPLASH. STUB A

COMBINATION TELEPHONE AND DATA OUTLET BOX. WALL MOUNTED 6" ABOVE

COUNTER OR SPLASH, STUB A 1" CO. UP 6" ABOVE THE ACCESSIBLE CEILING

COMBINATION TELEPHONE AND DATA OUTLET BOX MOUNTED IN ACCESSIBLE

CEILING SPACE OR IN FLOOR BOX PER PLAN FOR FLEXIBLE CONNECTION TO

COMBINATION TELEPHONE AND DATA OUTLET, WALL MOUNTED AT +18" A.F.F. FOR FLEXIBLE CONNECTION TO FURNITURE SYSTEM. PROVIDE THE

- IN A NON-RATED INSULATED WALL, OR NON-RATED UNINSULATED

MOUNTING BRACKET (EQUAL BY B-LINE OR RAYCO) WITH (2)1 -1/2"C.

- IN A RATED WALL, PROVIDE (I) 4S/DP BOX WITH (2) 1-1/4" C.O. AND (1) 4S/DP BOX WITH (1) 1-1/4" C.O. WITH PULL STRINGS IN EACH CONDUIT

UTILIZE CADDY #RBS SERIES BOX MOUNTING BRACKET TO MAINTAIN.

SYSTEM PADS RATED FOR USE ON THE INSIDÉ OR OUTSIDE OF THE

MEMBRANE. REFER TO ARCHITECTURAL PLANS FOR WALL

BOX (STI OR EQUAL) AS REQUIRED TO MAINTAIN RATING OF WALL OR

T2 = 1-1/4" C.O. T2 = 1-1/4" C.O.

BOX ALIGNMENT (EQUAL BY B-LINE OR RAYCO). UTILIZE FIRESTOPPING

O ACCESSIBLE CÉILING. PROVIDE 1-1/4" BUSHINGS AT CONDUIT ENDS.

WITH PUIL STRING TO ACCESSIBLE CEILING PROVIDE 1-1/2" BUSHINGS AT CONDUIT ENDS. REFER TO ARCHITECTURAL PLANS FOR WALL

WALL. PROVIDE A 2-GANG MUD RING OR CADDY #RBS SERIES BOX

MANUFACTURER PRIOR TO ROUGH-IN - MOUNT FLUSH IN FLOOR WHEN

COMBINATION TELEPHONE AND DATA OUTLET BOX FLUSH MOUNTED IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX

STUD A 1" C.O. UP 6" ABOVE THE ACCESSIBLE CEILING AND PROVIDE A

1" C.O. UP 6" ABOVE THE ACCESSIBLE CEILING AND PROVIDE A BUSHING.

AND PROVIDE A BUSHING. 4S/DP MINIMUM WITH SINGLE GANG RING.

FURNITURE SYSTEM. VERIFY CONNECTION REQUIREMENTS WITH

CONSTRUCTION/TYPE AND CEILING CONDITIONS.

CONSTRUCTION/TYPE AND CEILING CONDITIONS

TABLE FOR CONDUIT SIZE VARIATIONS.

T2 = 1-1/4" C.O.

——T1—— CONCEALED TELEPHONE/DATA CONDUIT RUN. 1" CONDUIT ONLY (MIN). SEE

FLUSH MOUNTED, LOCKABLE TERMINAL CABINET WITH TERMINAL STRIPS AS

SURFACE MOUNTED, LOCKABLE TERMINAL CABINET WITH TERMINAL STRIPS

TELEPHONE TERMINAL BACKBOARD SIZED AS NOTED. REFER TO SYSTEM

FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.

BUSHING. 4S/DP MINIMUM WITH SINGLE GANG RING.

P MINIMUM WITH SINGLE GANG RING

INDICATED IN A FLOOR BOX SYMBOL.

WHEN INDICATED IN A FLOOR BOX SYMBOL.

DATA OUTLET BOX. WALL MOUNTED. STUD A 1" C.O. UP 6" ABOVE THE

TELEPHONÉ UTILITY COMPANY. PROVIDE 1" C.O. (MIN) TO THE MAIN

TELEPHONE BACKBOARD. MOUNTING HEIGHT AS REQUIRED.

CCTV FIXED POSITION CAMERA - SEE SPECIFICATIONS

CCTV VIDEO MONITOR - SEE SPECIFICATIONS.

CCTV PAN/TILT CAMERA - SEE SPECIFICATIONS.

(A) CCTV VIDEO AMPLIFIER - SEE SPECIFICATIONS.

LOCATION ANO ELECTRICAL REQUIRERENTS.

CCTV SYSTEM SYMBOLS

SPECIFICATIONS.

TELEPHONE/DATA SYMBOLS

SIGNAL SYSTEMS SYMBOLS

- INSTALLATION. "B" INDICATES FLATTERY OPERATED CLOCK. "D" INDICATES DIGITAL CLOCK. *NO LETTER" INDICATES ANALOG CLOCK. REFER TO
- CONCEALED CLOCK CONDUIT RUN I/2' CONDUIT. OR AS NOTED. KITH — C — CONDUCTORS PER SPECIFICATIONS.
- TV OUTLET. WALL MOUNTED. STUB A 3//C.O. UP 6. ABOVE THE ACCESSIBLE CEILING AND PROVIDE BUSHING.
- TV OUTLET FLUSH CEILING MOUNTED.
- TV CONCEALED TELEVISION CONDUIT RUN. 3/4" CONDUIT. OR AS NOTED. WITH CONDUCTORS - REFER TO SPECIFICATIONS. MICROPHONE OUTLET. WALL MOUNTED. PROVIDE 3/4" C.O. (HRH PULL ROPE) UP
- TO 6" ABOVE ACCESSIBLE CEILING SPACE. PROVIDE BUSHING AT EACH END. MICROPHONE OUTLET. FLUSH CEILING MOUNTED.
- CONCEALED MICROPHONE CONDUIT RUN. 3/4" CONDUIT, OR AS NOTED, WITH
- CONDUCTORS REFER TO SPECIFICATIONS.
- HS ∨ SURFACE WALL MOUNTED SPEAKER, "V" INDICATES VOLUME CONTROL. S V SURFACE MOUNTED SPEAKER, "V" INDICATES VOLUME CONTROL.
- **├**S y FLUSH WALL MOUNTED SPEAKER , "V" INDICATES VOLUME CONTROL.
- (S) V CEILING FLUSH MOUNTED SPEAKER, "V" INDICATES VOLUME CONTROL.
- ____S___ CONCEALED SPEAKER CONDUIT RUN 3/4' CONDUIT. OR AS NOTED. WITH CONDUCTORS - REFER TO SPECIFICATIONS.

SECURITY ALARM SYSTEM SYMBOLS

SACP SECURITY ALARM CONTROL PANEL - SEE SPECIFICATIONS.

- SPS SECURITY SYSTEM POWER SUPPLY SEE SPECIFICATIONS
- SECURITY ALARM PASSIVE INFRARED MOTION SENSOR SEE SPECIFICATIONS. SECURITY ALARM DUAL TECHNOLOGY MOTION SENSOR - SEE SPECIFICATIONS.
- SECURITY ALARM ULTRASONIC MOTION SENSOR SEE SPECIFICATIONS.
- SECURITY ALARM DOOR CONTACT SEE SPECIFICATIONS.
- SECURITY ALARM PANIC BUTTON SEE SPECIFICATIONS.
- SECURITY ALARM KEY PAD SEE SPECIFICATIONS. SECURITY ALARM GLASS BREAK INDICATOR - SEE SPECIFICATIONS
- SECURITY ALARM SYSTEM BRANCH CIRCUIT PER SECURITY ALARM RISER

ACCESS CONTROL SYSTEM SYMBOLS

ACCESS CONTROL PANEL - SEE SPECIFICATIONS.

DIAGRAM AND/OR SPECIFICATIONS.

- APS ACCESS CONTROL SYSTEM POWER SUPPLY SEE SPECIFICATIONS.
- LPS ACCESS CONTROL SYSTEM LOCK POWER SUPPLY SEE SPECIFICATIONS. KS ACCESS CONTROL KEY SWITCH - SEE SPECIFICATIONS
- (A) ACCESS CONTROL LOCAL ALARM SOUNDER SEE SPECIFICATIONS
- R ACCESS CONTROL PROXIMITY READER SEE SPECIFICATIONS.
- **CR** ACCESS CONTROL CARD READER SEE SPECIFICATIONS.
- **KP** ACCESS CONTROL KEY PAD SEE SPECIFICATIONS
- (ES) ACCESS CONTROL REQUEST TO EXIT SENSOR SEE SPECIFICATIONS ___AC ___ ACCESS CONTROL SYSTEM BRANCH CIRCUIT PER ACCESS CONTROL RISER
- DIAGRAM AND/OR SPECIFICATIONS

PROJECT SPECIFIC SYMBOLS

REQUIRED SPECIFICATION DEVIATIONS

THE FOLLOWING ITEM(S) ARE REQUIRED DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS. THESE DEVIATIONS SHOULD BE INCLUDED AS PART OF THE BASE BID AND ARE AT THE DIRECTION OF THE OWNER:

ALLOWED SPECIFICATION DEVIATIONS

THE FOLLOWING ITEM(S) ARE ALLOWED DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS. THESÉ DEVIATIONS ARE AT THE DIRECTION OF THE OWNER:

DEDUCTIVE/ADDITIVE ALTERNATE PRICING

IN ADDITION TO ANY DEDUCTIVE OR ADDITIVE LINE ITEM PRICING CALLED FOR ON THE DRAWING OR IN THE SPECIFICATIONS, CONTRACTOR SHALL PROVIDE SEPARATE LINE ITEM DEDUCTIVE/ADDITIVE ALTERNATE PRICING FOR EACH OF THE FOLLOWING ITEMS(S):

LIGHTING SYMBOLS

SITE LIGHTING FIXTURE SYMBOLS DEPICTED WITH CAPITAL LETTER(S) ADJACENT TO RESPECTIVE SYMBOL(S) INDICATE(S) LIGHT FIXTURE MOUNTING BASE DETAIL(S). SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE SYMBOL INFORMATION

LIGHTING FIXTURE CALL OUT, NUMBER(S) AND/OR UPPER CASE LETTER(S) (i.e. "1") INDICATES FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE). LOWER CASE LETTER (i.e. "a") ADJACENT TO FIXTURE TYPE INDICATES BALLAST OPTION (SEE GENERAL LIGHTING FIXTURE SCHEDULE NOTES).

INDICATES FINAL CONNECTION TO A LIGHTING FIXTURE, NUMBER CF CONDUCTORS AS REQUIRED

LIGHTING CONTROL SYMBOLS

KD_{Kv}

SEE THE DISTRIBUTED LIGHTING CONTROL SPECIFICATIONS FOR MORE INFORMATION.

LOW-VOLTAGE WIRING BETWEEN OCCUPANCY SENSORS. VACANCY SENSORS. DAY--UGHTING CONTROLS. LOW-VOLTAGE SWITCHES. AND SWITCHPACKS. CONDUCTOR TYPE AND QUANTITY PER MANUFACTURER'S RECOMMENDATION'S AND WIRING

WALL MOUNTED DIMMER. SEE SINGE POLE SWITCH SYMBOL FOR RELATED SUBSCRIPTS. QUANTITY OF ADJACENT OWER CASE LETTERS INDICATES QUANTITY OF DIMMERS REQUIRED. PROVIDE DIMMER TYPE TO MATCH INDICATED BALLAST TOM AND CONTROL REQUIRED.

WALL MOUNTED STAND ALONE OCCUPANCY SENSOR.QUANTITY OF ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF RELAYS CIRCUITS REQUIRED -- SEE CONTROL CONFIGURATIONS BELOW' FOR MORE INFORMATION. EXACT CONTROL FUNCTION IS DETERMINED BY THE BALLAST/FIXTURE TYPE WALL MOUNTED NON--NETWORKED / INTERCONNECTED/ NETWORKED. SYSTEM--BASED OCCUPANCY SENSOR. QUANTITY OF ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF RELAYS/DIMMING CIRCUITS REQUIRED -- SEE CONTROL Y,(y) HOH y,(y) HOY,(y) FOR ADJACENT LOWER CASE LETTERS INDICATES CONTROL FUNCTION IS DETERMINED BY THE

BALLAST/FIXTURE TYPE. ADJACENT UPPER CASE LETTER ("H") INDICATES CONNECTION TO HMO SYSTEM CONTROLS ** H,DM,AV,P H,DM,AV,P H,DM,AV,P OCCUPANCY SENSOR. QUANTITY OF ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF RELAYS / DIMMING CIRCUITS REQUIRED -- SEE CONTROL CONFIGURATIONS BELOW FOR MORE INFORMATION. EXACT CONTROL FUNCTION IS DETERMINED BY THE BALLAST/FIXTURE TYPE. ADJACENT UPPER CASE LETTER ("H") INDICATES CONNECTION TO HVAC SYSTEM CONTROLS VIA CONTROLLED DRY--CONTACT CLOSURE. ADJACENT UPPER CASE LETTERS ("DM") INDICATES $\textcircled{N}_{y,(y)}^{\mathsf{H},\mathsf{DM},\mathsf{AV},\mathsf{P}} \textcircled{N}_{y,(y)}^{\mathsf{H},\mathsf{DM},\mathsf{AV},\mathsf{P}}$ ("AV") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTERS ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION TO AV CONTROL SYSTEM. ("AV") INDICATES CONNECTION TO AV CONTROL SYSTEM. ADJACENT UPPER CASE LETTER ("P") INDICATES CONNECTION

TO MOVEABLE PARTITION INTERFACE, SENSOR & STATUS INDICATOR.

LOW VOLTAGE MOMENTARY SWITCHES, WALL MOUNTED. FOR MANUAL "ON/OFF SWITCHING" AND "DIMMING" (STEPPED CONTINUOUS) CONTROL OF LIGHTING WHICH IS CONTROLLED BY CEILING MOUNTED OCCUPANCY SENSORS. ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF SWITCHLEGS TO BE CONTROLLED. EXACT CONTROL FUNCTION IS DETERMINED BY THE BALLAST/FIXTURE TYPE. UPPER CASE SUBSCRIPT "K" INDICATES LOCKING SWITCH FOR THE SUBSEQUENT LOWER CASE LETTER. UPPER CASE SUBSCRIPT "V" INDICATES VANDAL RESISTANT SWITCH, UPPER CASE SUBSCRIPT "DM" INDICATES DUAL MODE CONTROL SWITCH.

AUTOMATIC SWITCHING / STEP--DIMMING DAYLIGHTING CONTROLLER USED TO SWITCH OFF LIGHTS WHEN SUFFICIENT NATURAL LIGHT IS PRESENT. NUMBER IN PARENTHESIS INDICATES THE AVERAGE WORKPLANE "TARGET ILLUMINATION" SYMBOL VALUE. ADJACENT LOWER CASE LETTER(S) INDICATES SWITCH LEG(S) CONTROLLED. ADJACENT "+" INDICATES

AUTOMATIC CONTINUOUS DIMMING DAYLIGHTING CONTROLLER USED TO DIM LIGHTS WHEN SUFFICIENT NATURAL LIGHT IS PRESENT. NUMBER IN PARENTHESIS INDICATES THE AVERAGE WORKPLANE "TARGET ILLUMINATION" SYMBOL VALUE. ADJACENT LOWER CASE LETTER(S) INDICATEDS SWITCH LEG(S) CONTROLLED. ADJACENT "+. ++ AND *" INDICATES PORTION OF SWITCHLEG CONTROLLED BY SENSOR WHERE "+" INDICATES PRIMARY SIDELIT DAYLIGHT ZONE: "++" NDICATES SECONDARY SIDELIT DAYLIT ZONE, AND "*" INDICATES SKYLIT DAYLIT ZONE.

- "y" INDICATES THAT SWITCH LEG *y" TO BE CONFIGURED IN A "AUTO ON 100% / AUTO OFF" AND BE CONTROLLED (CONTINUOUSLY DIMMED) BY THE ASSOCIATED CEILING SENSOR REMOTE SWITCH ON THE WALL
- "y",(y)" INDICATES THAT SWITCH LEG "y" TO BE CONFIGURED IN A "AUTO ON 50% / MANUAL ON 100% / AUTO OFF BE CONTROLLED (CONTINUOUSLY DIMMED) BY THE ASSOCIATED DISTRIBUTED LIGHTING CONTROLS.
- "(y)" INDICATES THAT SWITCH LEG "y" IS TO BE CONFIGURED IN A "MANUAL ON / AUTO OFF" (VACANCY SENSOR) AND BE CONTROLLED BY THE ASSOCIATED DISTRIBUTED UGHTING CONTROLS.

MISCELLANEOUS SYSTEMS SYMBOLS

- ICP INVERTER CONTROL PANEL - SEE INVERTER SPECIFICATIONS.
- INVERTER ANNUNCIATOR PANEL SEE INVERTER SPECIFICATIONS.
- GENERATOR ANNUCIATOR PANEL SEE GENERATOR SYSTEM SPECIFICATIONS FOR MORE INFORMATION.
- IDCS INTEGRATED DIMMING CONTROL STATION (IDCS) PANEL - WALL MOUNTED. SEE IDCS SYSTEM SPECIFICATIONS FCR MORE
- DIMMING PANEL CONTROL STATION (DPCS) PANEL WALL MOUNTED. SEE DPCS SYSTEM SPECIFICATIONS FOR MORE INFORMATION. LIGHTING CONTROL SYSTEM LOCAL SWITCH - WALL MOUNTED. SEE LIGHTING CONTROL SYSTEM SPECIFICATIONS FOR MORE
- LIGHTING CONTROL SYSTEM OVERRIDE SWITCH WALL MOUNTED. SEE LIGHTING CONTROL SYSTEM SPECIFICATIONS FOR MORE
- LIGHTING CONTROL SYSTEM MASTER SWITCH WALL MOUNTED. SEE LIGHTING CONTROL SYSTEM SPECIFICATIONS FOR MORE
- IDCS/DPCS SYSTEM REMOTE STATION SWITCH WALL MOUNTED. SEE IDCS SYSTEM AND/OR DPCS SYSTEM SPECIFICATIONS
- FOR MORE INFORMATION
- IDCS/DPCS SYSTEM PARTITION STATION SWITCH WAIL MOUNTED. SEE IDCS SYSTEM AND/OR DPCS SYSTEM SPECIFICATIONS FOR MORE INFORMATION.

BRANCH CIRCUIT SYMBOLS

_ / _A−1,3,5	HOME RUN TO PANEL LETTER DESIGNATES PANEL. NUMBERS INDICATED CIRCUITS. HASH MARKS INDICATED NUMBER OF CONDUCTORS IN CONDUIT RUN, #12 AWG MINIMUM UNLESS OTHERWISE NOTED.
A−1&3&5 	HOME RUN TO PANEL LETTER DESIGNATES PANEL. NUMBERS INDICATE CIRCUITS WITH SEPARATE NEUTRALS ."&" INDICATES SEPARATE NEUTRALS.
A-1+3+5 	HOME RUN TO PANEL LETTER DESIGNATES PANEL. NUMBERS INDICATED CIRCUITS. "+" INDICATES SEPARATE #10 NEUTRAL THROUGHOUT BRANCH CIRCUIT. HASH MARK INDICATES AN ISOLATED GROUND CONDUCTOR.
	CONCEALED CONDUIT OR BRANCH CIRCUIT UNLESS OTHERWISE NOTED. 1/2" CONDUIT MINIMUM, (2) #12 AWG CONDUCTORS MINIMUM.
	CONDUIT OR BRANCH CIRCUIT CONCEALED BELOW GRADE, 3/4" CONDUIT MINIMUM WITH (2) 12 AWG CONDUCTORS MINMUM AND A CODE SIZED EQUIPMENT GROUND.
	SURFACE-MOUNTED CONDUIT OR BRANCH CIRCUIT UNLESS OTHERWISE NOTED. 1/2" CONDUIT MINIMUM, (2) #12 AWG CONDUCTORS MINIMUM.
	TANDEM WIRING CONNECTION.

CONCUR STUB OUT, CAP, MARK AND RECORD ON AS-BUILT DRAWINGS ── CONDUIT CONTINUATION

- FLEXIBLE CONNECTION AS REQUIRED. NUMBER OF CONDUCTORS AS REQUIRED. VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN
- CONDUIT/ BRANCH CIRCUIT/FEEDER COMMUNICATION DOWN WALL TO FLOOR BELOW.
- CONDUIT/ BRANCH CIRCUIT/FEEDER COMMUNICATION UP WALL TO FLOOR ABOVE.

<u>FLOOR BOX / SPECIALTY WALL BOX / PEDESTAL BOX SYMBOL</u>

SINGLE SERVICE IN FLOOR BOX. PROVIDE DEVICES PER PLAN. SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR YORE TWO SERVICE IN FLOOR BOX. PROVIDE DEVICES PER PLAN. SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR MORE THREE SERVICE IN FLOOR BOX. PROVIDE DEVICES PER PLAN SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR MORE

FOUR SERVICE IN FLOOR BOX. PROVIDE DEVICES PER PLAN. SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR MORE FOUR SERVICE IN FLOOR BOX. PROVIDE DEVICES PER PLAN. SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR MORE

RECESSED, ADJUSTABLE CEPTH, FLAT PANEL TV/DISPLAY WALL BOX WITH FLUSH CROMMETED COVER PANEL (CHIEF #PAC525F AND MINIMUM OF (1) 1-1/4" C.O. FROM TOP-MOUNTED L..V. CONDUIT ENTRY BOX TO ACCESSIBLE CEILING. SEE PLANS FOR ANY ADDITIONAL CONDUIT REQUIREMENTS. PROVIDE ADDITIONAL L.V. AND LINE VOLTAGE CONDUIT ENTRY BOXES AS REQUIRED TO ACCOMPLISH WALL BOX CONFIGURATION DEPICTED ON PLANS. FLUSH GROMMETED COVER SHALL BE WHITE. BLACK OR CUSTOM COLOR PER ARCHITECT. WHEN FIELD CONDITIONS PROHIBIT INSTALLATION OF THIS DEVICE (SUCH AS WALL STUD/CAVITY DEPTH OF LESS THAN 2.5" ETC). CONFIRM VIA WRITTEN RFI THE INSTALLATION OF A TRADITIONAL POWER AND DATA RECEPTACLE INSTALLATION ALONG SIDE CCTV/AV JUNCTION BOX CONSISTING OF 2-GANG DEEP JUNCTION BOX/2-GANG RING WITH 1-1/4" C.O. TO

7-GANG AV FLOOR BOX. PROVIDE DEVICES PER PLAN. SEE FLOOR BOX DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.

ACCESSIBLE CEILING IN ADDITION TO ANY OTHER CONDUIT REQUIREMENTS DEPICTED ON PLANS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT SINGLE OR DUAL SERVICE RECESSED EXTERIOR WALL BOX - TYPE "WP-A". PROVIDE DEVICES PER PUN. EACH LV OR UNUSED COMPARTMENT SHALL BE EQUIPPED WITH A 1" C.O. TO THE NEAR ACCESSIBLE CEILING SPACE U.O.N. SEE EXTERIOR DETAILS AND

SPECIFICATIONS FOR MORE INFORMATION. SINGLE OR DUAL SERVICE EXTERIOR PEDESTAL - TYPE "WP=C". PROVIDE DEVICES PER PLAN. SEE EXTERIOR DETAILS AND SPECIFICATIONS FOR MOPE INFORMATION, ARROW DENOTES DEVICE DOOR LOCATION.

ALL RECEPTACLE OUTLETS SHOWN WITH A MASONAL SLASH SHALL BE CONTROLLED BY OCCUPANCY SENSOR OR LIGHTING CONTROL PANEL SEE DISTRIBUTED LIGHTING CONTROLS FOR ADDITIONAL REQUIREMENTS. WHERE DOUBLE DUPLEX RECEPTACLE OUTLETS ARE INDICATED AS CONTROLLED. ONLY A SINGLE DUPLEX RECEPTACLE OUTLET (NON-IC. NON GFI TYPE) SHALL BE CONTROLLED. WITHIN ANY CONTROLLED DUPLEX RECEPTACLE OUTLET. ONLY ONE RECEPTACLE SHALL BE CONTROLLED. NOTE THAT FOR FLOOR BOXES OR POKE-THRU DEVICES. THE ASSOCIATED CONTROL RELAY MAY NEED TO BE LOCATED WITHIN THE ELECTRICAL ROOM WHERE THE CONTROLLED CIRCUIT ORIGINATES.

- OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM CONTROLLED RECEPTACLE RELAY. WHERE LETTER DESIGNATION "a" REPRESENTS OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM CONTROL ZONE. SEE THE DISTRIBUTED UGHING CONTROL SPECIFICATION FOR MORE INFORMATION.
- DUPLEX RECEPTACLE, WALL MOUNTED. DOUBLE DUPLEX RECEPTACLE. WALL MOUNTED.
- DUPLEX, GFCI RECEPTACLE. WALL MOUNTED. VA' INDICATES WEATHERPROOF. A. B OR C INDICATES THE TYPE
- OF COVER. REFER TO THE GENERAL PRODUCT SPECIFICATIONS. DOUBLE DUPLEX, WALL MOUNTED. WITH (1) GFCI RECEPTACLE AND (1) DUPLEX RECEPTACLE CONNECTED ON LOAD SIDE OF GFCI. WP INDICATES WEATHERPROOF. A, B OR C INDICATES THE TYPE OF COVER. REFER TD THE GENERAL PRODUCT SPECIFICATIONS.
- DUPLEX RECEPTACLE, ONE HALF SWITCHED, WALL MOUNTED
- DUPLEX, ISOLATED GROUND RECEPTACLE, WALL MOUNTED.
- COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE, WALL MOUNTED.
- COMBINATION DOUBLE DUPLEX: TWO ISOLATED GROUND RECEPTACLES, WALL MOUNTED. SIMPLEX RECEPTACLE, WALL MOUNTED.
- SPECIAL RECEPTACLE, WALL MOUNTED. REFER TO PLAN NOTES
- DUPLEX RECEPTACLE FLUSH IN CEILING MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX DOUBLE DUPLEX RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX
- DUPLEX RECEPTACLE ONE HALF SWITCHED. FLUSH IN CEILING MOUNT FLUSH IN FLOOR WHEN INDICATED IN A
- DUPLEX, ISOLATED GROUND RECEPTACLE, FLUSH IN CEILING MOUNT FLUSH IN FLOOR WHEN INDICATED IN A
- ·3a COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE, MOUNTED FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN FLOOR BOX SYMBOL.
- COMBINATION DOUBLE DUPLEX FLUSH IN CEILING: TWO ISOLATED GROUND RECEPTACLES MOUNT FLUSH IN FLOOR WHEN INDICATED IN FLOOR BOX SYMBOL SIMPLEX RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH N FLOOR WHEN INDICATED IN A FLOOR BOX
- SPECIAL RECEPTACLE FLUSH IN CEILING MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX
- DUPLEX RECEPTACLE WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH.
- DOUBLE DUPLEX RECEPTACLE WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH. DUPLEX. GFCI RECEPTACLE. WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH. WP INDICATES WEATHERPROOF. A. B OR C INDICATES THE TYPE OF COVER. REFER TO THE GENERAL PRODUCT
- DOUBLE DUPLEX, WALL MOUNTED, WITH (1) GFCI RECEPTACLE AND (1) DUPLEX RECEPTACLE CONNECTED ON LOAD SIDE OF GFCI. WP INDICATES WEATHERPROOF. A. B OR C INDICATES THE TYPE OF COVER. REFER TO THE GENERAL PRODUCT SPECIFICATIONS.
- DUPLEX RECEPTACLE, BOTTOM HALF SWITCHED, WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH.
- 🛨 🛓 DUPLEX, ISOLATED GROUND RECEPTACLE. WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH. $oldsymbol{,'^{3}\text{o}}$ COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE,
- WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH. COMBINATION DOUBLE DUPLEX: TWO ISOLATED GROUND DUPLEX RECEPTACLES. WALL MOUNTED AT 6' ABOVE
- SIMPLEX RECEPTACLE, WALL MOUNTED AT 6' ABOVE COUNTER OR SPLASH. SPECIAL RECEPTACLE, WALL MOUNTED AT 6" MOVE COUNTER OR SPLASH REFER TO PLAN NOTES.
- ₩P-D DAMP LOCATION-LISTED (NOT-RNNTITE-IN-USE) RECEPTACLE- SEE ELECTRICAL SPECIFICATION FOR ADDITIONAL
- DUPLEX RECEPTACLES WITH TWO 5V, 3.1A USB CHARGING PORTS. PROVIDE COLOR AS REQUIRE) IN 15A OR 20A CONFIGURATION 0.730/OR TAMPER RESISTANT AND/OR HOSPITAL GRADE AS REQUIRED BY PLANS MO THE IG DEVICES SECTION OF TIE GENERAL ELECTRICAL SPECIFIC.A1ONS. (PASS & SEYMOUR OR EQUAL BY
- QUAD RECEPTACLES WITH TWO 5V, 3.1A USB CHARGING PORTS. PROVIDE COLOR AS REQUIRED) IN 15A OR 20A CONFIGURATION ANO/OR TAMPER RESISTANT AND/OR HOSPITAL GRADE AS REQUIRED BY PLANS AND THE RING DEVICES SECTION OF TIE GENERAL ELECTRICAL. SPECIFICATIONS. (PASS & SEYMOUR OR EQUAL BY
- HOWELL OR LEVITON.) JUNCTION BOX, WALL MOUNTED AT +18" A.F.F. OR AS NOTED. 4S/DP MINIMUM OR AS REQUIRED BY N.E.C..
- JUNCTION BOX, MOUNTED IN ACCESSIBLE CEILING FOR APPLICATION DENOTED ON PLAN. 4S/DP MINIMUM OR AS JUNCTION BOX, WALL MOUNTED AT 6" ABOVE COUNTER OR SPLASH. 4S/DP MINIMUM OR AS REQUIRED BY
- ΗJ JUNCTION BOX MOUNTED IN ACCESSIBLE CEILING SPACE PER PLAN FOR FLEXIBLE CONNECTOR TO REQUIRED FURNITURE SYSTEM. VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL WHEN SHOWN WITH A DIAGONAL SLASH. THE LAST
- GENERAL RECEPTACLE CIRCUIT ON THE HOME-RUN CALLOUT SHALL BE CONTROLLED BY THE OCCUPANCY SENSOR. SEE DISTRIBUTED MATING CONTROLS FOR ADDITIONAL REQUIREMENTS. JUNCTION BOX. WALL MOUNTED AT +Mr A.F.F. FUR FLEXIBLE CONNECTOR TO PREWIRED FURNITURE SYSTEM. VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. WHEN SHOWN WITH A
- DIAGONAL SLASH. THE LAST GENERAL RECEPTACLE CIRCUIT ON THE HOME-RUN CALLOUT SHALL BE CONTROLLED BY THE OCCUPANCY SENSOR. SEE DISTRIBUTED LIGHTING CONTROLS FOR ADDITIONAL
- SURFACE MOUNTED MULTI-OUTLET ASSEMBLY. REFER TO GENERAL PRODUCT SPECIFICATIONS. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE INSTALLATION. THERMOSTAT OUTLET BOX. PROVIDE 1/2-C.O. TO RESPECTIVE MECHANICAL UNIT. EXHAUST FAN. OR MOTOR LOAD. REFER TO MECHANICAL PLUMBING OR KITCHEN DRAWINGS FOR SPECIFIC
- LOAD REQUIREMENTS OR AS NOTED FLUSH MOUNTED ELECTRICAL PANELBOARD OR LOAD CENTER. REFER TO PANEL SCHEDULE.
- _______ SURFACE MOUNTED ELECTRICAL PANELBOARD OR LOAD CENTER. REFER TO PANEL SCHEDULE DISTRIBUTED SWITCHBOARD- REFER TO SINGLE LINE DIAGRAM.
- TRANSFORMER. REFER TO SINGLE LINE DIAGRAM.
- FUSED DISCONNECT SWITCH. HP RATED. OR COMBINATION MOTOR STARTER/DISCONNECT SWITCH WITH FUSES PER EQUIPMENT MANUFACTURER AND WEATHERPROOF AS REWIRED. PROVIDE FINAL CONNECTION TO UNIT EQUIPMENT. SEE MOTORIZED EQUIPMENT SCHEDULE FOR DISCONNECT AND STARTER SIZES.
- NON-FUSED DISCONNECT SWITCH. HP RATED AND WEATHERPROOF AS REQUIRED. PROVIDE FINAL CONNECTION TO UNIT EQUIPMENT. SEE MOTORIZED EQUIPMENT SCHEDULE FOR DISCONNECT SIZES UTILITY COMPANY METER. PROVIDE "CT's" AND "PT's" AS REQUIRED, REFER TO SINGLE LINE DIAGRAM.
- CIRCUIT BREAKER: "A" REPRESENTS CIRCUIT BREAKER AMPERE RATING, "B" REPRESENTS NUMBER OF POLLS AND "C" REPRESENTS MISCELLANEOUS BREAKER FEATURES. SHUNT = PROVIDE SHUNT TRIP MECHANISM
- HACR = PROVIDE NACR-RATED BREAKER GFP = GROUND FAULT PROTECTION SS = PROVIDE SOLE STATE CIRCUIT BREAKER LO = FROM PERMANENT LOCK-OPEN (OFF) HARDWAR LC = PROVIDE PERMANENT LOCK-CLOSED (ON) HARDWARE
- "A' REPRESENTS SWITCH / FRAME AMPERE RATING, "B" REPRESENTS THE FUSE AMPERE RATING, "C" INDICATES NUMBER OF POLES AND "D" REPRESENTS MISCELLANEOUS FUSE / SWITCH FEATURES. SHUNT = PROVDE SHUNT TRIP MECHANISM GFP = GROUND FAULT PROTECTION
- CIF = CURRENT LIMITING FUSE GROUND CONNECTION, SIZE AS INDICATED OR AS REQUIRED.
 - SINGLE POLE SWITCHES. WALL MOUNTED. SUBSCRIPTS AT SYMBOL INDICATE THE FOLLOWING: - ROTARY LOCK KEY TYPE - LOW VOLTAGE THREE WAY PILOT LIGHT PUSHBUTTON - REMOTE CONTROL - PROJECTION SCREEN KEY OPERATRED M - MOTOR STARTING
- NOTE: ALL WALL SWITCHES CONTROLLING EMERGENCY CIRCUITS SHALL BE ENGRAVED WITH "EMERGENCY". EMERGENCY POWER OFF STATION. WALL MOUNTED PER EPO SYSTEM DETAIL PB, OR P PULLBOX, SIZED PER N.E.C. OR AS NOTED.

a, b, c, ETC. - DESIGNATES QUANTITY OF SWITCHES AT EACH LOCATION.

WALL MOUNTED DEVICE MOUNTING HEIGHT NOTE: LL WALL-MOUNTED EQUIPMENT MOUNTING HEIGHTS SHALL BE VERIFIED PRIOR TO ROUGH-IN PER QUIREMENTS OF THE DEVICE ALIGNMENT AND MOUNTING HEIGHT DETAILS AND SPECIFICATIONS

GENERAL NOTES

1. Plug n' GoTM (PnG): Default Operation. Upon initial power up, the DLM system automat identifies the devices on the Local Network then enters the WattStopper patented Plug n' GoTM configuration to allow basic operation of all DLM devices. In most applications the relationship between quantity of loads switches and occupancy sensors will not require any adjustments. PnG automatically maximizes lighting

2. Push n' LearnTM (PnL): Custom Operation "A" configuration (Config) button on most DLM devices allows easy access to the WattStopper patented PnL technology to modify system operation. Functionality of the Config button is standardized throughout the DLM product line, as is the operation of the Config LED indicators. In addition, the Configuration Tool provides remote infrared access to PnL and sensor adjustment parameters.

A. Contractor is responsible for field verification of required number of power packs.

C. Maximum number of sensors that can be wired in parallel to a single power pack is dependent on sensor model (see individual data sheets for mA

B. One power pack is required for each circuit that is to

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SYMBOL LIST