

SCALE: 1/8" = 1' - 0"

POWER AND SIGNAL PLAN

SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM

- DSC DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONITROL (64ZONE).
 INTERFACE WITH EXISTING BUILDING MASTER SECRITY ALARM PANEL AS
- LCD KEYPAD MATCH EXISTING EQUIPMENT AS REQUIRED.
- DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
- EXTERIOR BELL (SIREN) DSC#SD15W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
- DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN
- COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM
- HANDSET/IP PHONE FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
- CEILING SPEAKER RAULAND #USO221 W/ACC1401 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED
- OUTDOOR SPEAKER ATLAS #APF15 HORN W/XFMR AND LOWELL (#CB84 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/COLL (#CB84 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/SQLK GRILL
- T --- OUTDOOR TELE/IC CABLE. 22AWG SOILD COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
- T1 INDOOR TELEPHONE CABLE. CAT.3 22AWG SOILD COPPER 4UTP SHIELDED CABLE.

DATA COMMUNICATION SYSTEM

- C 2 DATA OUTLET LEVITON CAT 5E (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
- DATA OUTLET LEVITON CAT 5E (DUAL RECEPTACLE BLUE IN COLOR FOR INSTRUCTIONAL)
- ----FO ---- FIBER OPTIC CABLE VIA INNER DUCT WITH J-HOOK IN ATTIC AND 2"C FOR OUTDOOR. SEE RISER DIAGRAM FOR MODEL NO.
- —— C2 —— (TWO) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.

1. ALL SIGNAL CONDUCTORS CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUE RUN BETWEEN SIGNAL DEVICES BACK BOX OR ABOVE GROUND TERMINAL CABINET.

2. IN CASE OF CONFLICT BETWEEN SIGNAL DEVICES CATALOG NUMBERS, DESCRIPTION SHALL PREVAIL.

EXISTING PANEL A SCHEDULE SHOWN FOR REFERENCE ONLY SEE PC PLANS FOR ALL PANEL SCHEDULES

MARKING, ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, ID'D AS FIRE ALARM, EMERGENCY COMMUNICATIONS OR FIRE ALARM/ECS. LOCATION OF CIRCUIT DISCONNECT (BREAKER) PERMANENTLY

IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

SEE	PC	PLA	NS_	FOR	ALL	PANEL	SCH	DULES

1	E)PANEL A					120/	/240V	1ø 3W	/		CL.	ASS	ROOM FLUSH MOUNT		
	C) PAINEL A	10	O AMP	MAIN	BREA	KER		SE	RIE	S 10K AIC NEMA 1					
CKT	SERVING	NOTE	GND	AWG	AMP	тот øА	AL LOAD ØB	KW	AMP POLE	AWG	GND	NOTE	SERVING	K K	
1	RECEPTACLES/CLOCK				20/1	0.3 1.5			60/2				4 TON AC	2	
3	RECEPTACLES				20/1		0.2 1.5		00/2				4 TON AC	4	
5	INTERIOR LIGHT				20/1	0.2 1.5							SPACE	6	
7	EXTERIOR LIGHT				20/1		1.7 1.5		20/1				IDF OUTLET	8	
9	GFI RECEPTCLE				20/1	1.6 1.5			20/1				SECURITY ALARM PANEL	10	
11	FIRE SPRINKLER SWITCH AND BELI				20/1		0.7 0.5		20/1			4	FIRE ALARM BOOSTER PANEL	12	
NO	TES:					19KW	17KW								
1.	1. UPDATE CIRCUIT DIRECTORY INSIDE PANEL						142A								
2.	2. PROVIDE ARC FLASH LABEL ON PANEL DOOR														
3. PROVIDE MECHANICAL LOCK ON BREAKER															
4. PROVIDE MECHANICAL LOCK ON BREAKER PER NFPA 72, 10.6.5.2:														l	
DEDICATED CIRCUIT, MECHANICALLY PROTECTED (LOCKOUT), RED															

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	ACTIVATE ALARM FACP	ACTIVATE ALARM AT REMOTE ANNUNCIATOR	ACTIVATE TROUBLE SIGNAL AT FACP		AT FACP	ACTIVATE SUPERVISORY SIGNAL AT REMOTE ANNUNCIATOR	SEND ALARM OFF-SITE VIA COMMUNICATOR	SEND SUPERISORY SIGNAL OFF-SITE MA COMMUNICATOR	SEND SUPERISORY SIGNAL OFF-SITE VIA COMMUNICATOR	ACTIVATE AUDIBLE/VISIBLE SIGNALS	ACTIVATE WATER FLOW BELL	PRIMARY FLOOR RECALL	SECONDARY FLOOR RECALL	ELECATOR SHUNT TRIP	SHUTODWN HVAC UNITS	SHUT FIRE/SMOKE DAMPERS	CLOSE FIRE DOORS	RESET 120VAC INITIATING DEVICES	ACTIVATE BATTER BACK-UP	DEACTIVATE AUDIBLE SIGNALS	DEACTIVATE VISIBLE SIGNALS	RESET 24V 4-WIRE DEVICES
ANUAL PULL STATION	X	X			\dashv	_	X			X	-			_		-	X	F	-		F	F
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PRIMARY FLOOR LOBBY	Х	Х		\dashv	\neg		Х			X	\neg	\neg	х				X	\vdash			\vdash	H
ALL OTHER LOBBIES	X	X	H	+	\dashv		X			X	\dashv	X				-	X	\vdash			\vdash	H
ELEVATOR MACHINE ROOM	X	X	\Box	7	\dashv		X			X	\neg		х				X	\vdash			 	H
ELEVATOR SHAFT	X	П		7	\dashv	_	Х	\neg		X	\dashv	x				-	X	-			-	H
HEAT DETECTORS:	<u> </u>		Ll.				لخئا	لـــــا	1		لب							·			L	_
ALL (EXCEPT LISTED BELOW)	х	х		T			Х			X	\neg	\neg					Х				Γ	Γ
ELEVATOR MACHINE ROOM	Х	Х		1			Х			X		\neg		Х			X					r
ELEVATOR SHAFT	Х	Х		7			Х			x		\exists		X			Х		П			r
DUCT DETECTOR	П	П		7	x	X			Х		\exists	7		\neg	X	X						r
FIRE SPRINKLER WATERFLOW SWITCH	х	Х		7			Х			x	X	\dashv	\neg	\neg			Х					r
FIRE SPRINKLER TAMPER SWITCH	П	П		1	X	Х			х	\exists	\neg	\exists	\neg	\exists							_	r
POST INDICATOR VALVE	\sqcap	П		7	X	X			х	\exists	7	1		\neg	_		-				 	r
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SINGLE GROUND	П	П		x	\neg	\neg		x		7	7	寸	7	_								r
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	2 3	SEE DRAWING E-3 FOR MORE II PROVIDE POWER CONNECTION FOR PANEL. SEE SINGLE LINE DIAGRA RECONNECT EXISTING PANEL DUI	NFORMATION. DR RELOCATABLE BUILDING PRE-V	WIRED LDING	© co	PYRIGHT	Date:		ization.
	4	PROVIDE #6 COPPER GROUNDING SECTION STRUCTURAL STEEL BEAGENERAL CONTRACTOR PRIOR TO	G CONDUCTOR AND BOND TO EAC AM, FIELD VERIFY EXACT LOCATION	CH N WITH	by SOMAM, Management	пат.сот	Rev.		
	(5)(6)	ALARM DEVICES PER PLANS. SEI EXISTING IDF AND CABINET SURF NEW DATA OUTLET AND IP PHON		CONNECT		ss/10 I: design@somam.com	ription:		
	7		LET AT CEILING FOR SMART BOAR CQUIREMENT WITH OWNER PRIOR T MM 7/E-4.		DESIGN - CONSTRUCTION	no, calinomia : 37 E-Maii: s.com	Revision Description:		
	8		BETWEEN BUILDING. STUB CONDUI G RACEWAY. CORE DRILL AND SEA TAIL 3/E-4.			s, Suite 130 – Fresno, Cd Fax (559) 436–0887 www.integrateddesigns.com	ion:		
	9		EW PULL CAN SURFACE MOUNTED NSTALL NEW CONDUITS AND WIRIN		ERING - INTERIOR	esno, suite 130 Fax (559) 4 www.integrate	Date: Revision:		
	10	EXISTING PANEL A, PROVIDE NEV SEE SINGLE LINE DIAGRAM.	EXISTING FEEDER AND RECONNECT W CONDUITS AND FEEDERS AS RE	:Quired,	ANEERING	0011 N. Fresho,) 436–0881 Fc	Rev. D		
	(11)	DETAIL 6/E-4.	DER FOR EXISTING PANEL A TON EXTERIOR BUILDING WALL. S N BUILDINGS. SEE DETAIL 3/E-4.		JE - ENGINE	Phone (559)			
	(12)	THOUSE TEEN GONDON BETTEEN	V BOILDINGS. SEE BEHAL GYE 1.		III (C)		Revision Description:		
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