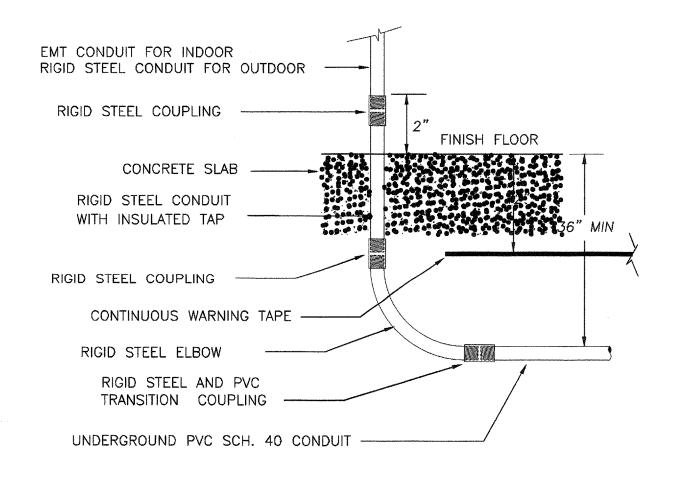


POWER AND SIGNAL PLAN

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



UNDERGROUND CONDUIT RISER DETAIL

N.T.S

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

PANEL A					120/240V 1ø 3W						CLASSROOM FLUSH MOUNT				
					100 AMP MAIN BREAKER					SE	RIE	ES 10K AIC NEMA 1			
SERVING	NOTE	ON D	AWG	AMP POLE	σΑ ØΑ	AL LOAD	KW	AMP	AWG	GND	NOTE	SERVING)		17.7
RECEPTACLES/CLOCK RECEPTACLES				20/1	0.3 1.5	0.2 1.5	h.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	60/2				4 TON AC			
INTERIOR LIGHT EXTERIOR LIGHT				20/1 20/1	0.2 1.5	1.7 1.5		20/1				SPACE IDF OUTLET			
GFI RECEPTCLE 1 FIRE SPRINKLER SWITCH AND BELL				20/1 20/1	1.6 1.5			20/1 20/1			4	SECURITY AL. FIRE ALARM			1
IOTES: UPDATE CIRCUIT DIRECTORY INSIDE FOR PROVIDE ARC FLASH LABEL ON PANICE PROVIDE MECHANICAL LOCK ON BREAT PROVIDE MECHANICAL LOCK ON BREAT DEDICATED CIRCUIT, MECHANICALLY MARKING, ACCESSIBLE ONLY TO AUTHER ALARM, EMERGENCY COMMUNICATION OF CIRCUIT DISCONNECT IDENTIFIED AT THE FIRE ALARM CON	EL AKI PR THC CATI (BI	DO ER ER OTE ORIZ ION: REA	PER CTE ED S O KER	D (LO PERSO R FIRE) PER	CKOUT), DNNEL, I E ALARM	RED D'D AS E/ECS.									

NOTES SHEET APPROXIMATE LOCATION FOR EXISTING FIRE ALARM SIGNAL AND VOICE COMBO BOOSTER PANEL. (E) 110V DEDICATED CIRCUIT FROM PANEL A-12. SEE DRAWING E-3 FOR MORE INFORMATION. PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING 1/E-4. EXISTING 800A PANEL H, PROVIDE NEW CONDUITS AND FEEDERS FOR NEW PRE-WIRED PANEL POWER CONNECTION. SEE SINGLE LINE DIAGRAM. PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM, FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION. EXISTING SECURITY ALARM PANEL AND SYSTEM AND INTERCONNECTION TO (E) MASTER EQUIPMENT IN ADMIN OFFICE. INSTALL NEW SECURITY DEVICES PER PLANS. SEE RISER DIAGRAM 5/E-4. 6 EXISTING OUTDOOR FEE STAND IDF CABINET. PROVIDE NEW DATA CABLES AND COMPUTER OUTLETS PER PLANS. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM. PROVIDE DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM. 8 EXISTING PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION. FIELD PROVIDE WP FLEX (1)2"C FOR SIGNAL AND (1)3/4"C FOR FA BETWEEN BUILDING ATTIC SPACE. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. SEE DETAIL 4/E-4. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. SAW CUT AND PATCH EXISTING AC PAVING TO INSTALL NEW UNDERGROUND POWER CONDUIT PER PLANS. PATCH AC PAVING TO MATCH EXISTING, SEE DETAIL 1/E-2.

SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM

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

— B — INDOOR SECURITY ALARM CABLE. WEST PENN #241

COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM

HANDSET/IP PHONE - FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.

CEILING SPEAKER - RAULAND #US0221 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/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

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.

- C1 --- (ONE) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO. C2 — (TWO) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.

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

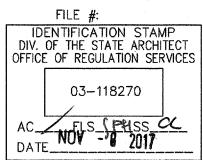
2. IN CASE OF CONFLICT BETWEEN SIGNAL DEVICES CATALOG NUMBERS, DESCRIPTION SHALL PREVAIL.



Ownership of Documents This document, the ideas and designs incorporated herein, as an instrument of Professional Service is the property of Integrated Designs by SOMAM Inc. and is not to be used, in whole or in part for any other project without written authorizatio © COPYRIGHT 2013

FREMONT ELEMI 1 RELOCATABLI BAKERSFIELD CITT 607 TEXAS STREET

Agency Approval Stamp:



TRACKING #: DSA TRACKING NO

5269