SHEET NOTES

1. APPROXIMATE LOCATION FOR NEW FIRE ALARM DISTRIBUTED POWER MODULE. PROVIDE 110V POWER CONNECTION AND DEDICATED CIRCUIT FROM PANEL A-12. SEE DRAWING E-3 FOR MORE INFORMATION.
2. PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING E-4.
3. EXISTING 800A PANEL H. PROVIDE NEW CONDUITS AND FEEDERS FOR NEW PRE-WIRED PANEL POWER CONNECTION. SEE SINGLE LINE DIAGRAM.
4. #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM. FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
5. NEW SECURITY ALARM PANEL AND SYSTEM. PROVIDE 110V POWER CONNECTION AND INTERCONNECTION TO (E) MASTER EQUIPMENT IN ADMIN OFFICE. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
6. EXISTING OUTDOOR FREE STAND OF CABINET. PROVIDE NEW DATA CABLES AND COMPUTER OUTLETS PER PLANS. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
7. DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
8. PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION.
9. NEW 24"x24"x6" NEMA3R SIGNAL TC SURFACE MOUNTED ON EXTERIOR WALL. PROVIDE (2) 2"C STUB INTO BUILDING ATTIC CAVITY. SEE SIGNAL RISER DIAGRAM.
10. SAW CUT AND PATCH EXISTING CONCRETE FLOOR TO INSTALL NEW (2)2" U.G CONDUITS FOR SIGNAL AND (1)3/4"C FOR FA. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. PER DETAIL 5/E-2.
11. NEW 12"x24" PULL BOX WITH EXTENSION. FIELD VERIFY LOCATION. SEE RISER DIAGRAMS.
12. STUB OUT NEW (1)2" U.G CONDUITS FOR SIGNAL AND (1)3/4"C FOR FA. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.
13. STUB OUT NEW (1)1-1/4" U.G CONDUITS FOR POWER. FIELD VERIFY LOCATION WITH OWNER AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.

SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM
- **DSC** DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONITROL (64ZONE). INTERFACE WITH EXISTING BUILDING MASTER SECIRTY ALARM PANEL AS REQUIRED.
- **K** LCD KEYPAD – MATCH EXISTING EQUIPMENT AS REQUIRED.
- **M** DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
- **B** EXTERIOR BELL (SIREN) – DSC#SD15W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
- **W** DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN SIDE.
- —B— INDOOR SECURITY ALARM CABLE. WEST PENN #241
- —B1— OUTDOOR SECURITY ALARM CABLE. WEST PENN #AQC224

COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM
- ▽ HANDSET/IP PHONE – FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
- **SP** CEILING SPEAKER – RAULAND #US0221 W/ACC1000 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED
- **SP WP** OUTDOOR SPEAKER – ATLAS #APF15 HORN W/XFMR AND LOWELL (#C384 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/SQLK GRILL
- —T— OUTDOOR TELE/IC CABLE. 22AWG SOLID COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
- —T1— INDOOR TELEPHONE CABLE. CAT.3 22AWG SOLID COPPER 4UTP SHIELDED CABLE.
- —P1— OUTDOOR PA/IC CABLE – WEST PENN #AQC-369

DATA COMMUNICATION SYSTEM
- **C2** DATA OUTLET – LEWTON CAT 5E (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
- **C2** DATA OUTLET – LEWTON 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.

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

PANEL A

120/240V 1ø 3W		REAR		FLUSH			
100 AMP MAIN BREAKER		10,000 AIC		NEMA 1			

CKT	SERVING	NOTE	GND	AWG	AMP POLE	TOTAL LOAD KVA øA	TOTAL LOAD KVA øB	AMP POLE	AWG	GND	NOTE	SERVING	CKT
1	RECEPTACLE	12	12	20/1		0.7	7.1	60/2	8	10		HVAC 3.5 TON	2
3	RECEPTACLE	12	12	20/1		0.7	7.1						4
5	SPACE			20/1				20/1	12	12		SPACE	6
7	SPACE			20/1				20/1	12	12		SPACE	8
9	INT/EXT LIGHTS	12	12	20/1		0.9		20/1	12	12		SPACE	10
11	INT LIGHTS	12	12	20/1		0.8	0.1	20/1	12	12	2	FIRE ALARM NAC PANEL	12
						8.7KVA	8.7KVA						
						72A	72A						

NOTES:
1. PROVIDE CIRCUIT DIRECTORY INSIDE PANEL
2. PROVIDE MECHANICAL LOCK ON BREAKER

TRENCH DETAIL

REPLACE TO MATCH EXISTING SURFACE — EXISTING SURFACE
SAWCUT ALL EDGES NEATLY — SAWCUT ALL EDGES NEATLY
NATIVE MATERIAL AT 95% COMPACTION
SAND AT 95% COMPACTION
24" MIN. / 8" MIN. / 6" MIN.
POWER CONDUITS THIS SIDE ONLY
SIGNAL SYSTEMS CONDUIT THIS IS ONLY
1. WARNING TAPE MARKED "POWER"
2. WARNING TAPE MARKED "COMMUNICATIONS"
BOTTOM AND INTERMITTENT PLASTIC SPACERS EVERY 5'-0" (TYP)
6" SAND BEDDING (MIN.)
3" / 3" / 6" / 3" / 3"
NOT TO SCALE

POWER AND SIGNAL PLAN
3 RELOCATABLE CLASSROOMS
SCALE : 1/8" = 1'-0"

Rooms: 29 (E)CLASSROOM, 30 (E)CLASSROOM, 31 (E)CLASSROOM, 32 (E)CLASSROOM, 33 (E)CLASSROOM, 34 (E)CLASSROOM

CLASSROOM, CLASSROOM, CLASSROOM
PANEL A, PANEL B, PANEL C
TC-A, TC-B, TC-C
FATC-A, FATC-B, FATC-C
(E)IDF, (E)PULL BOX, (E)300 KVA XFMR

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Project Name & Address:
FREMONT ELEMENTARY SCHOOL
3 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
607 TEXAS STREET, BAKERSFIELD, CA

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