2016 NFPA 72, NATIONAL FIRE ALARM CODE AND SIGNALING CODE, 2015 Edition

NOTE: SOME CODES MAY NOT APPLY IF WORK REGULATED BY SUCH CODES IS NOT WITHIN THE SCOPE OF THIS PROJECT.

INSPECTIONS FOR THE PROJECT.

19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH LOCAL

CONSTRUCTION CHANGE DOCUMENT OR ADDENDA AND APPROVED BY DSA PRIOR TO

FABRICATION AND INSTALLATION

DOCUMENTS

ARCHITECTURE PLANNING

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San Luis Obispo, CA 93401

805.546.0433 fax: 805.546.0504

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REVISIONS

AGENCY TRACKING NO. 63321-267

OFFICE OF REGULATION SERVICES

03118235

BAKERSFIELD CITY SCHOOL

DISTRICT

CHIPMAN JR. HIGH,

RELOCATABLES R13 & R14

2905 EISSLER ST. BAKERSFIELD, CA 93306

DATE JUL 1 1 2017

AC ME FLS SFT SETTIYUT

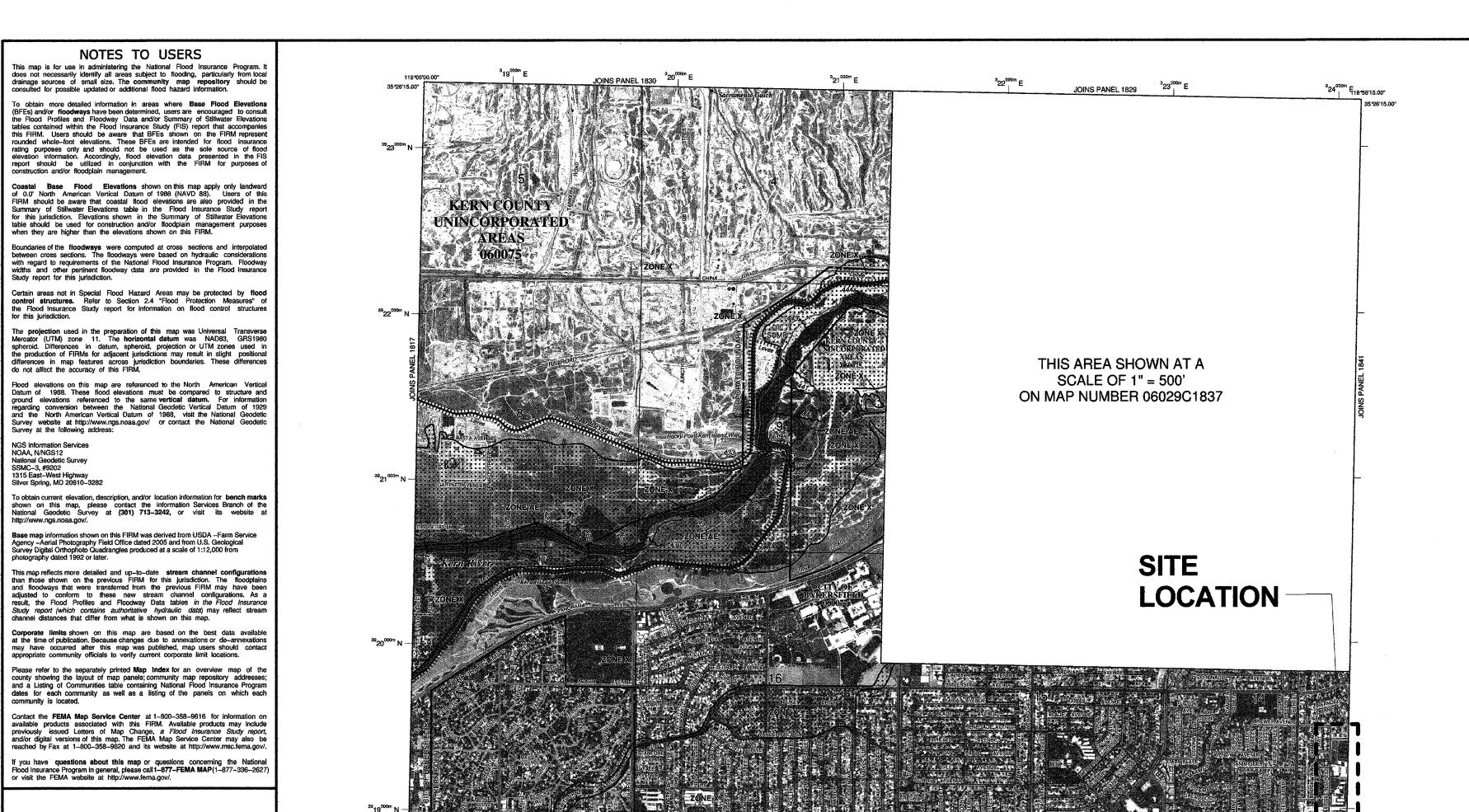
FILE NO. 15-6

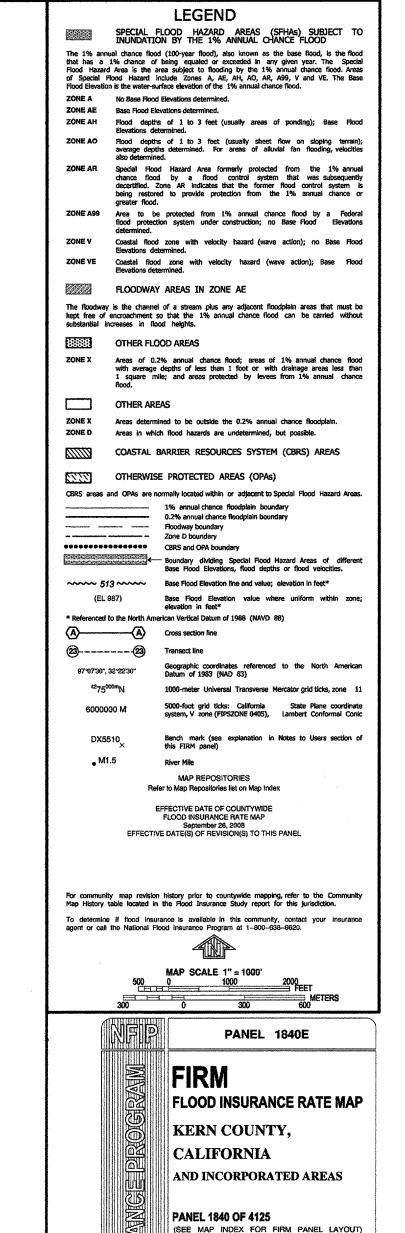
DESCRIPTION

07/11/2017

TITLE SHEET

SHEET NUMBER





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PRIME CONSULTANT

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San Luis Obispo, CA 93401

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San Luis Obispo

BAKERSFIELD CITY SCHOOL DISTRICT

AGENCY TRACKING NO. 63321-267

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES 03118235

FILE NO. 15-6

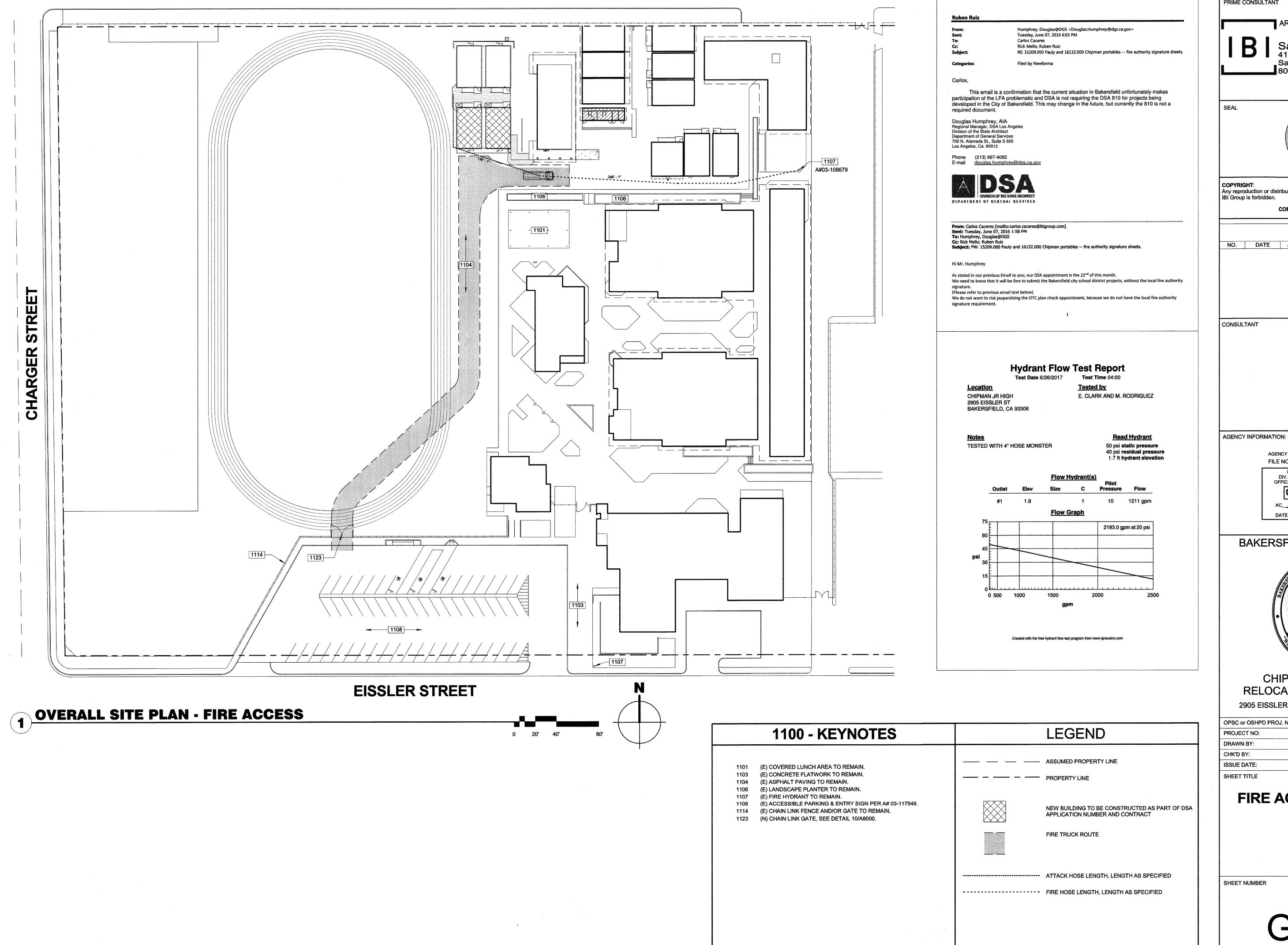
CHIPMAN JR. HIGH, RELOCATABLES R13 & R14 2905 EISSLER ST. BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO: PROJECT NO: 17150/109623 DRAWN BY: CHK'D BY: RM ISSUE DATE: 07/11/2017 SHEET TITLE

FLOOD ZONE MAP

SHEET NUMBER

G1100



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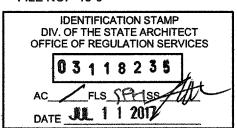
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CONSTRUCTION DOCUMENTS

REVISIONS NO. DATE APPRD. DESCRIPTION

> AGENCY TRACKING NO. 63321-267 FILE NO. 15-6



BAKERSFIELD CITY SCHOOL



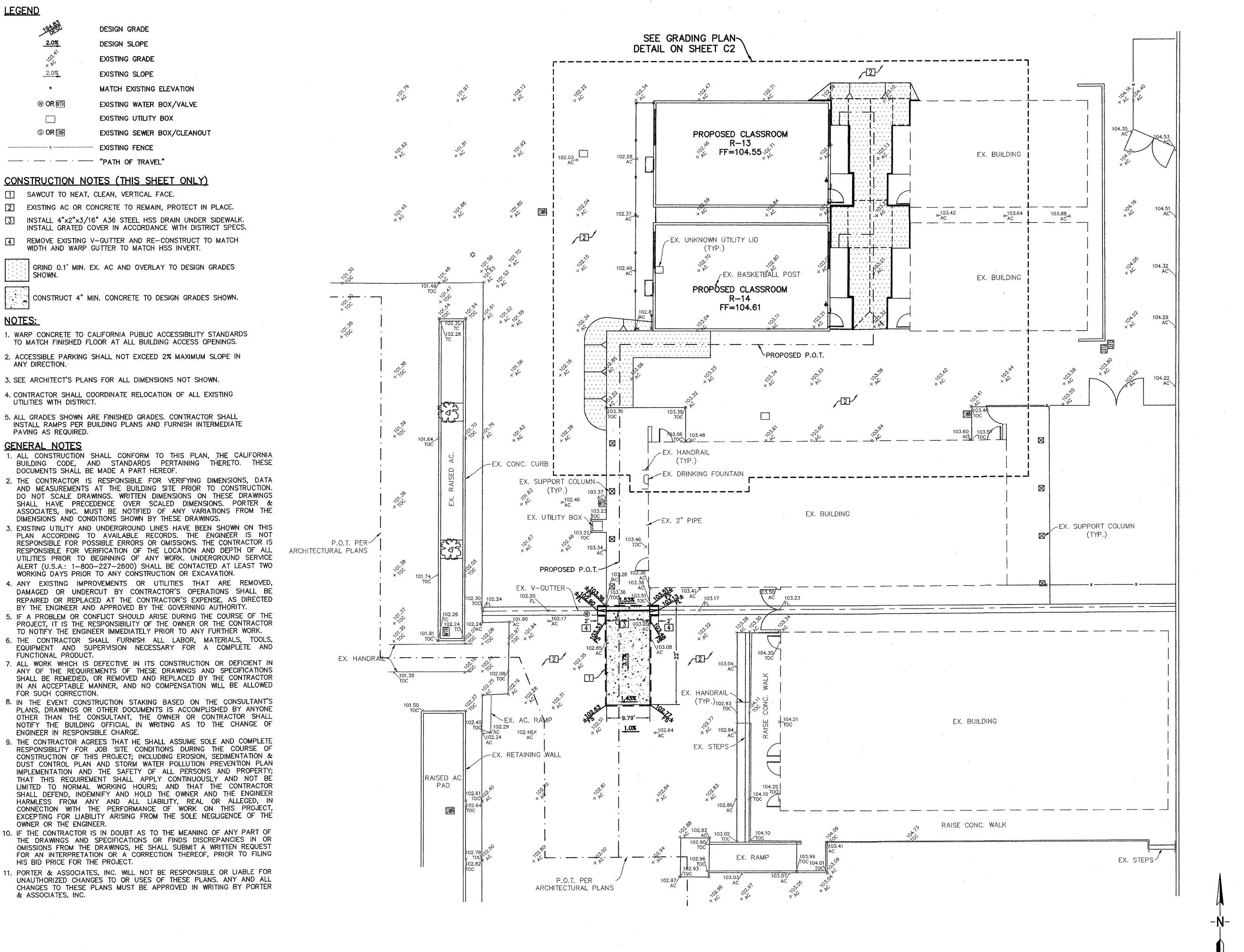
CHIPMAN JR. HIGH, RELOCATABLES R13 & R14

2905 EISSLER ST. BAKERSFIELD, CA 93306

17150/109623
11 100/100020
rRr
RM
07/11/2017

FIRE ACCESS PLAN

G1200

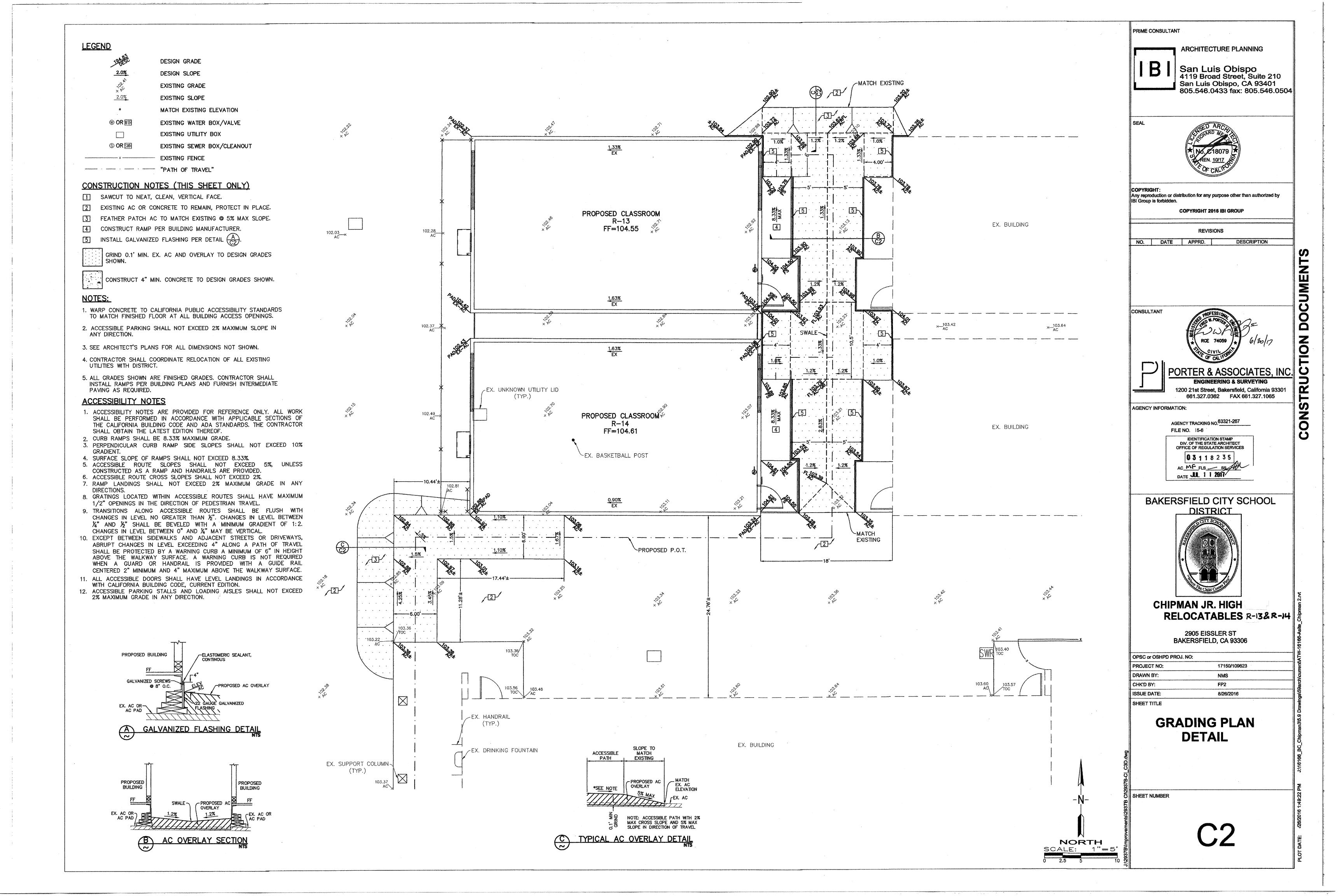


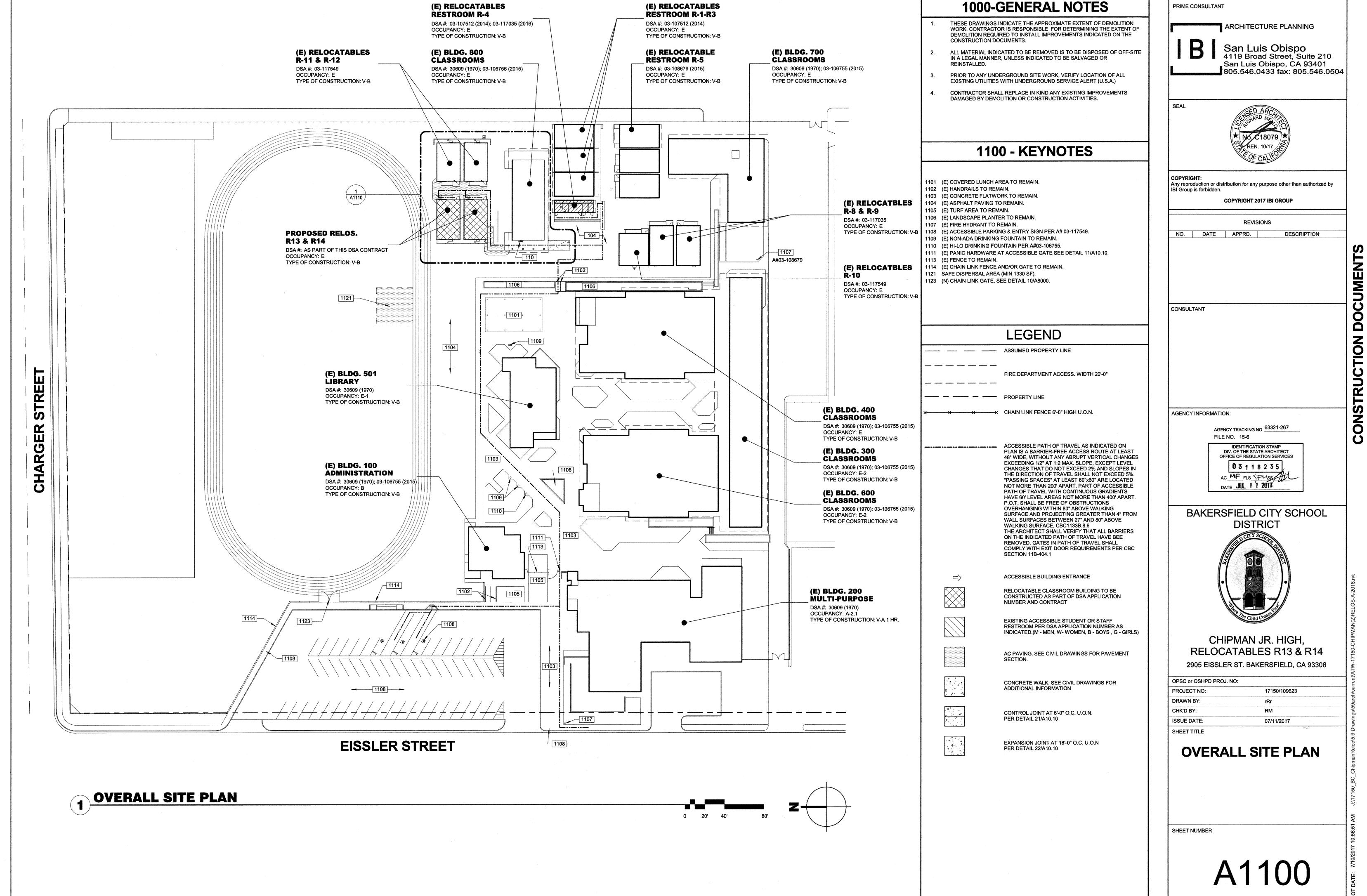
ARCHITECTURE PLANNING San Luis Obispo 4119 Broad Street, Suite 210 San Luis Obispo, CA 93401 805.546.0433 fax: 805.546.0504 SEAL Any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. **COPYRIGHT 2016 IBI GROUP** REVISIONS DESCRIPTION NO. DATE APPRD. CONSULTANT PORTER & ASSOCIATES, INC 1200 21st Street, Bakersfield, California 93301 661.327.0362 FAX 661.327.1065 AGENCY INFORMATION: AGENCY TRACKING NO.63321-267 FILE NO. 15-6 **IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03118235 AC MF FLS SSATT BAKERSFIELD CITY SCHOOL DISTRICT **CHIPMAN JR. HIGH** RELOCATABLES R-13& R-14 2905 EISSLER ST BAKERSFIELD, CA 93306 OPSC or OSHPD PROJ. NO: 17150/109623 PROJECT NO: DRAWN BY: NMS CHK'D BY: FP2 ISSUE DATE: 8/26/2016 SHEET TITLE **OVERALL GRADING PLAN** & PATH OF TRAVEL SHEET NUMBER

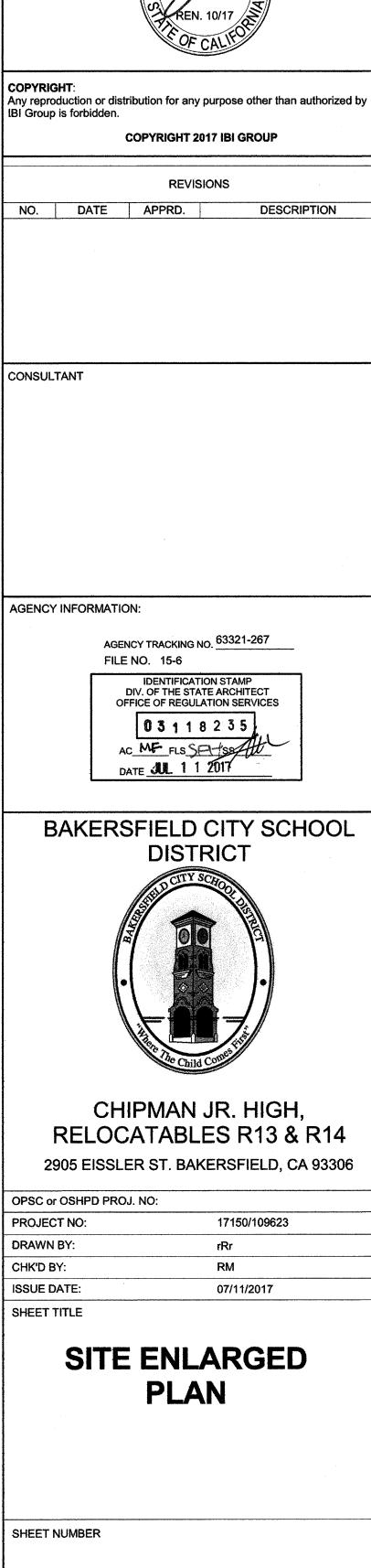
PRIME CONSULTANT

UME O

NORTH







A1110

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San Luis Obispo, CA 93401 805.546.0433 fax: 805.546.0504

1000-GENERAL NOTES

LEGEND

FIRE DEPARTMENT ACCESS. WIDTH 20'-0"

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON

PLAN IS A BARRIER-FREE ACCESS ROUTE AT LEAST 48" WIDE, WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAX. SLOPE, EXCEPT LEVEL CHANGES THAT DO NOT EXCEED 2% AND SLOPES IN

THE DIRECTION OF TRAVEL SHALL NOT EXCEED 5%.

"PASSING SPACES" AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PART OF ACCESSIBLE

PATH OF TRAVEL WITH CONTINUOUS GRADIENTS HAVE 60' LEVEL AREAS NOT MORE THAN 400' APART.

SURFACE AND PROJECTING GREATER THAN 4" FROM

THE ARCHITECT SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEE REMOVED. GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC

P.O.T. SHALL BE FREE OF OBSTRUCTIONS

WALKING SURFACE, CBC1133B.8.6

ACCESSIBLE BUILDING ENTRANCE

NUMBER AND CONTRACT

ADDITIONAL INFORMATION

PER DETAIL 22/A10.10

CONTROL JOINT AT 6'-0" O.C. U.O.N. PER DETAIL 21/A10.10

EXPANSION JOINT AT 18'-0" O.C. U.O.N

RELOCATABLE CLASSROOM BUILDING TO BE

EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION NUMBER AS

INDICATED.(M - MEN, W- WOMEN, B - BOYS, G - GIRLS)

AC PAVING. SEE CIVIL DRAWINGS FOR PAVEMENT

CONCRETE WALK. SEE CIVIL DRAWINGS FOR

CONSTRUCTED AS PART OF DSA APPLICATION

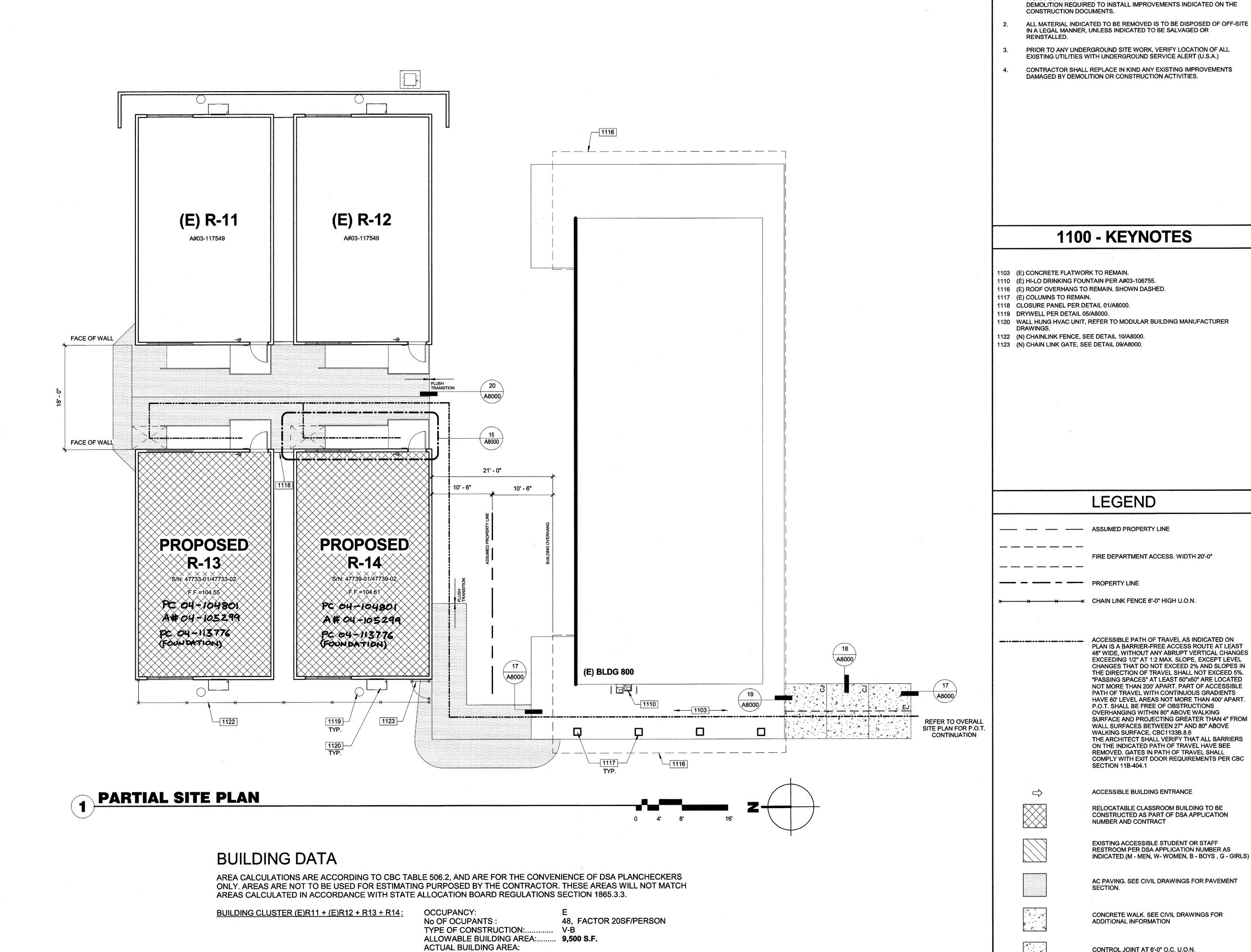
SECTION 11B-404.1

OVERHANGING WITHIN 80" ABOVE WALKING

WALL SURFACES BETWEEN 27" AND 80" ABOVE

THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION

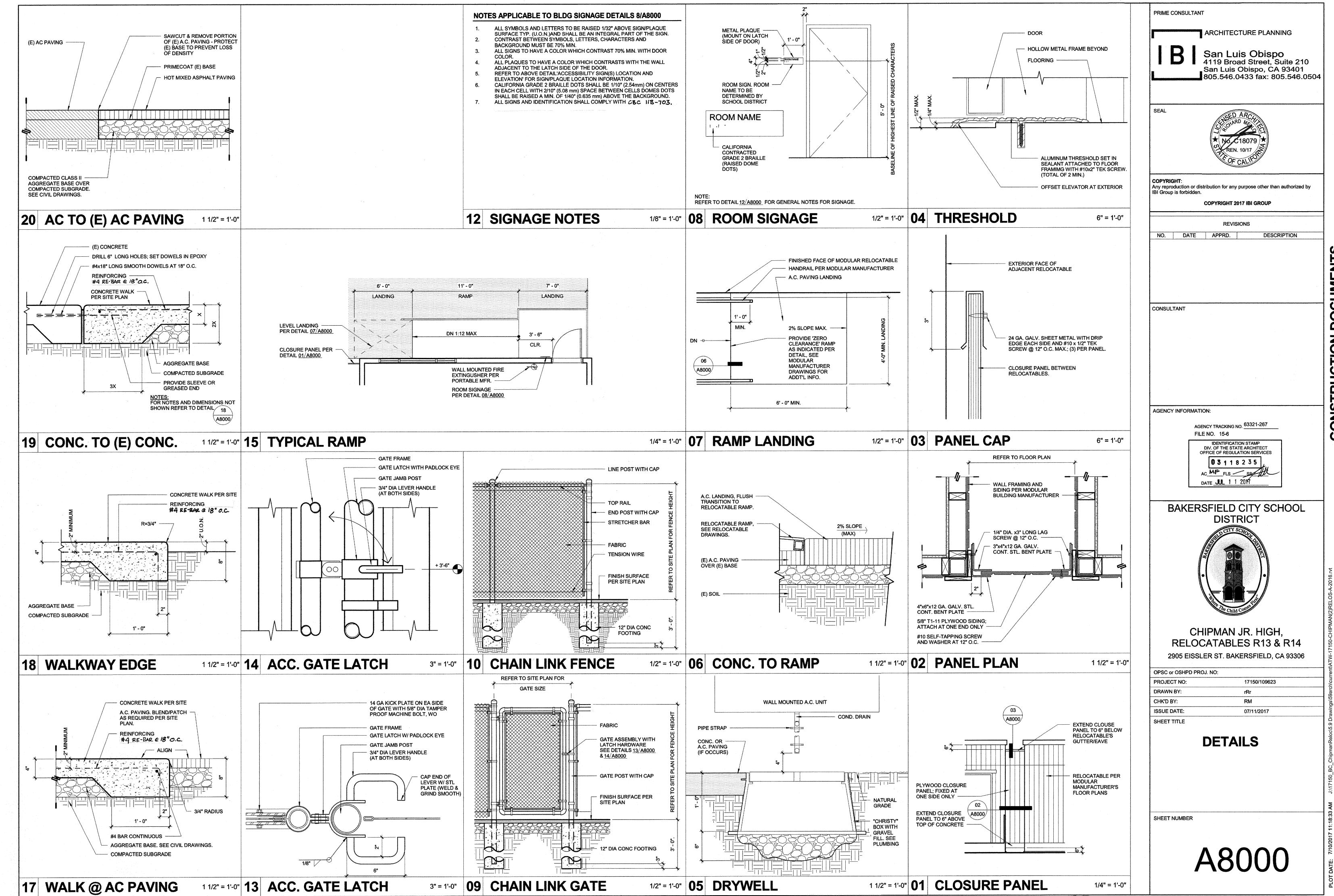
WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF



(E)R11 + (E)R12 + R13 + R14

960 + 960 + 960 + 960 = 3,840 s.f. 3,840 s.f. < 9,500 s.f.

OK



CONSTRUCTION DOCUMENTS

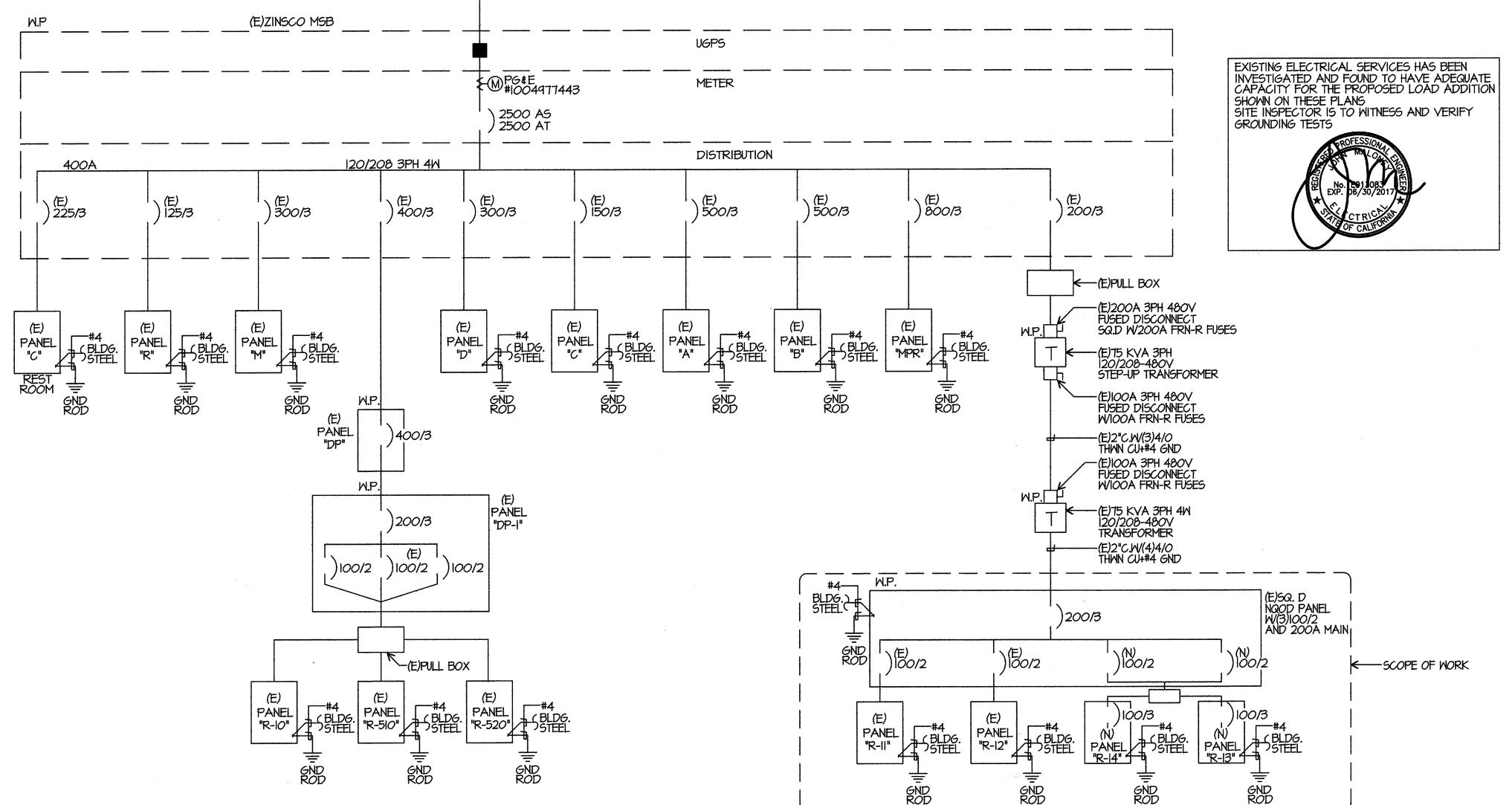
CODE REQUIREMENTS

PERFORMANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING THE FOLLOWING:

- 2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
- 2016 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2012 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2011 N.E.C. WITH CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2012 U.M.C. WITH CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2012 U.P.C. WITH CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 I.F.C. WITH CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- AUTOMATIC SPRINKLER SYSTEM -----2015 EDITION
- STANDPIPE SYSTEM ----------2015 EDITION
- WET CHEMICAL SYSTEM ---------2015 EDITION
- PRIVATE SERVICE MAINS -----2015 EDITION
- NATIONAL FIRE ALARM CODE -----2016 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES")

GENERAL NOTES

- VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID
- THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
- ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL
- CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
- FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
- ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARD SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
- CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
- GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
- ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GROUND CONDUCTOR
- THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL CONDUCTORS SHALL BE IN CONDUIT.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.
- CURRENT CALIFORNIA BUILDING CODE ACCESS COMPLIANT MOUNTING HEIGHTS APPLY ONLY TO NEW OR RELOCATED ELECTRICAL SWITCHES, OUTLETS, PUSH BUTTONS ETC.. THEY SHALL COMPLY WITH CALIFORNIA BUILDING CODE 1117B.6.
- COORDINATE WITH SERVING ELECTRICAL UTILITY COMPANY AND MAKE PROVISIONS FOR ELECTRICAL SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND UTILITY COMPANY CHARGES IN BID.
- COORDINATE WITH SERVING TELEPHONE UTILITY COMPANY AND MAKE PROVISIONS FOR TELEPHONE SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES I BID.
- 17. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY CONTRACTOR.



UTILITY TRANSFORMER

SYMBOLS

CONDUIT EXISTING

CONDUIT CONCEALED IN WALL OR CEILING CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE CONDUIT STUBBED OUT AND CAPPED CONDUIT TURNED UP CONDUIT TURNED DOWN HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT IN 3/4" C. (8) MAX. IN 1"C., NO MARKS = 2#2HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES

SAWCUT GROUND CONNECTION

DISTRIBUTION SWITCHBOARD OR PANEL

PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH SIGNAL TERMINAL CABINET, SURFACE & FLUSH

FLUORESCENT FIXTURE

SWITCH CONTROL, NO. INDICATES CIRCUIT. SURFACE FIXTURE ON FLUSH OUTLET. RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING

EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND

OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES

CEILING MOUNT. EXTERIOR WALL MOUNT FIXTURE

LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE,

NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE

MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.

SPECIAL RECEPTACLE - SEE PLAN

FLUSH FLOOR RECEPTAGLE

RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" UNO.

DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH+42" UN.O.

DUPLEX RECEPTACLE W/LOWER HALF SWITCHED +18" UNO. GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE 18" UN.O.

DOUBLE DUPLEX RECEPTACLE +18" UNO.

CEILING RECEPTACLE

RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" UNO.

JUNCTION BOX 4" SQUARE, 1-1/2" DEEP UNO.

THERMOSTAT F.B.O. +48"

MOTOR, NO. INDICATES HORSEPOWER

CLOCK OUTLET +7-6" UNO.

DISCONNECT SWITCH, NON-FUSED

DISCONNECT SWITCH PUSED HORSEPOWER RATED OR SIZED AS

COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND

MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE

DIMMER W/INTEGRAL "ON-OFF" SW. +48" UNO.

PUSHBUTTON +48" UNO.

PHOTOGELL

SMOKE DETECTOR

WIRELESS ACCESS POINT TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/I GANG

COVERPLATE & GROMMETED OPENING +18" UN.O.

QUIET TOGGLE TYPE RATED AT

20A 120/2TN AC. +42" UNO.

CAPLE TV OUTLET +18" UNO.

MOTION SENSOR

ACCESS POINT WIRELESS

CAMERA

EXISTING SWITCH

SINGLE PALE SWITCH

DAUBLE PALE SWITCH

SWITCH W/PILOT LT.

MANUAL MOTOR STARTER

FIRE ALARM CONTROL PANEL

THREE WAY SWITCH

GROUND FAULT CIRCUIT INTERRUPTING LABOR SAVING TANDEM

MAIN LUGS ONLY

CONDUIT ONLY

FURNISHED BY OTHERS, INSTALL & CONNECT UNLESS NOTED OTHERWISE

NATIONAL ELECTRICAL CODE

NOT IN CONTRACT

REMOVE

RELOCATE

SURFACE MOUNT

UNDERGROUND

COLD WATER PIPE

ABOVE FINISHED FLOOR

HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT

PRIME CONSULTANT

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ARCHITECTURE PLANNING

SEAL



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CONSULTANT

17148 500 MING AVENUE. SUITE 251 BAKERSFIELD, CA 93309 (661) 831-7851 FAX (661) 831-7813

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-267

FILE NO. 15-6 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03118235 AC MF FLS PLSOF DATE JUL 1 1 2017

BAKERSFIELD CITY SCHOOL DISTRICT



CHIPMAN JR. HIGH, RELOCATABLES R13 & R14

2905 EISSLER ST. BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO: PROJECT NO: 17150/109623 DRAWN BY AC CHK'D BY: KT ISSUE DATE: 07/11/2017

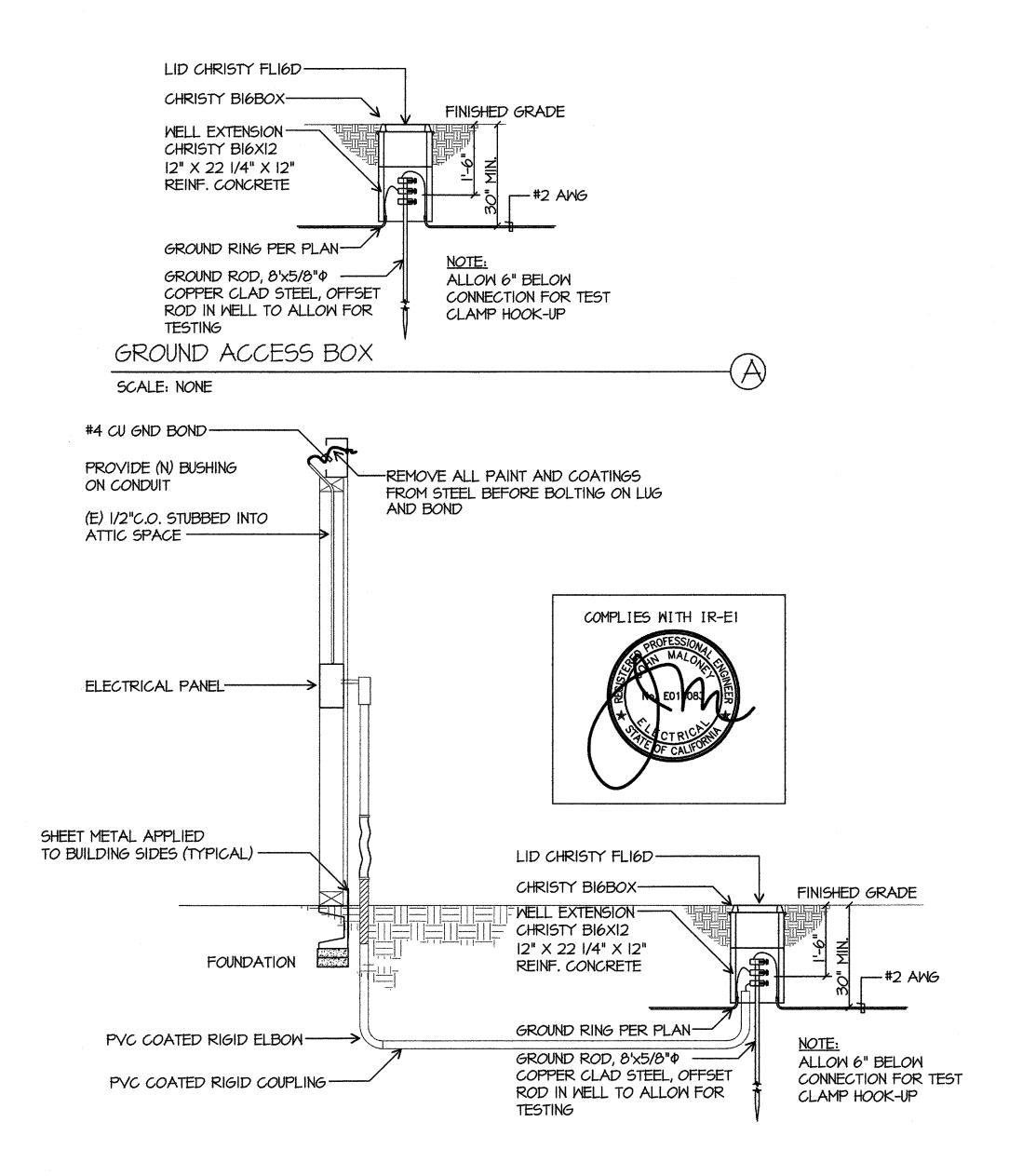
SHEET TITLE

SYMBOL LIST **GENERAL NOTES** SINGLE LINE DIAGRAM

SHEET NUMBER

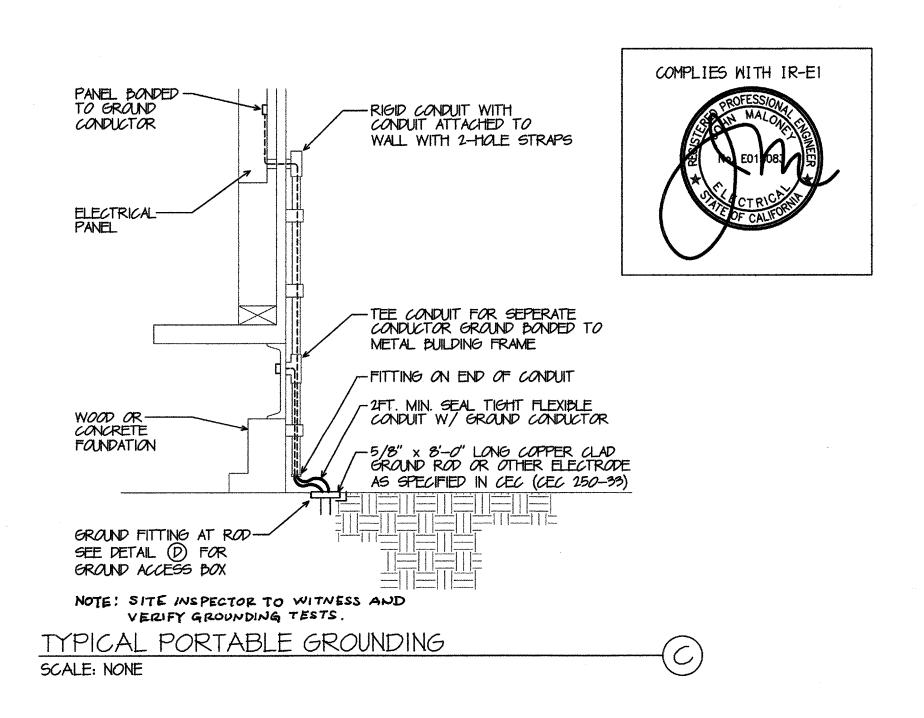
E-0

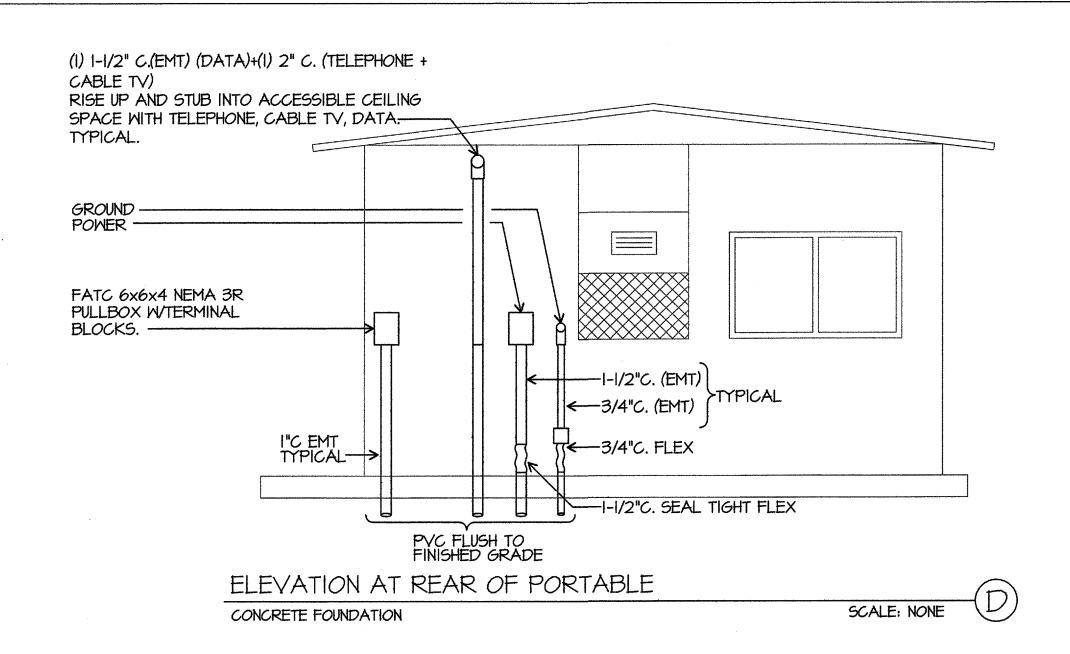
SINGLE LINE DIAGRAM

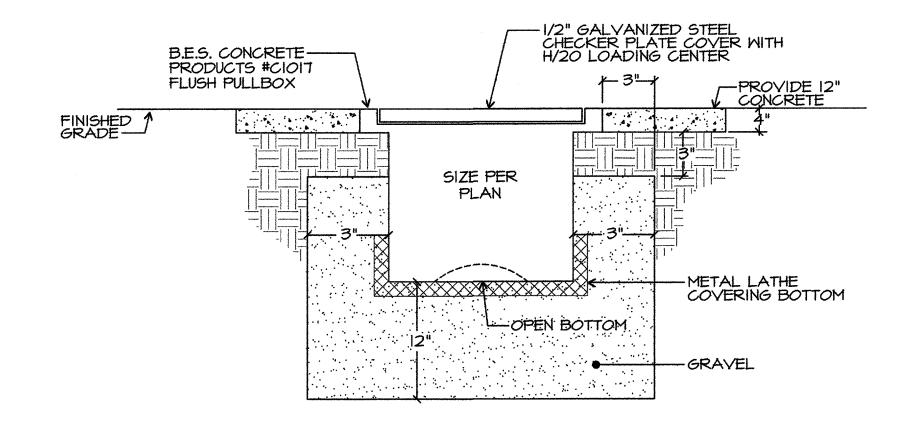


TYPICAL TRAILER STEEL FRAME BONDING/GROUNDING DETAIL

SCALE: NONE







FLUSH PULLBOX DETAIL

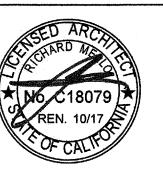
SCALE: NONE

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CONSULTANT

ELECTRAL ENGINEERING
LIGHT NG DESIGN

CA REGISTRATION NO E13083

FROFESSION

PROFESSION

P

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-267 FILE NO. 15-6

FAX (661) 831-7813

DENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

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DATE_JUL 1 1 2017

BAKERSFIELD CITY SCHOOL DISTRICT



CHIPMAN JR. HIGH, RELOCATABLES R13 & R14

2905 EISSLER ST. BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:

PROJECT NO: 17150/109623

DRAWN BY: AC

CHK'D BY: KT

ISSUE DATE: 07/11/2017

SHEET TITLE

DETAILS

SHEET NUMBER

FIRE ALARM RISER DIAGRAM

SCALE: NONE

	F	A SYMBOL L	IST MATRIX	
SYMBOL	DEVICE	MFR & CAT N.	REMARKS	CSFM LISTING
60	SMOKE DETECTOR	NOTIFIER FSP-851	PROVIDE BASE B210 LP ON 4"SQ. DEEP BOX	7272-0028:0206
X	SPEAKER/STROBE	NOTIFIER SPSR	PROVIDE 4"SQ. DEEP BOX	7320-1653:201
S MP	EXTERIOR HORN	NOTIFIER SPRK	PROVIDE MWBB >96"	7320-1653:201
(HD)	HEAT DETECTOR (IN ATTIC SPACE)	NOTIFIER FST-851	PROVIDE BASE B210 LP ON 4"SQ. DEEP BOX	7270-0028:0196
	(E)MAIN FIRE ALARM PANEL	NOTIFIER NFS2-640	EXISTING	7165-0028:0243
DPM	NAC POWER	NOTIFIER FCPS-2456	SURFACE MOUNT TAN BATTERY EXISTING	7315-0028:0225
DVC	DIGITAL VOICE COMMAND	NOTIFIER DVC-EM	EXISTING	7165-0028:0243
DAA	DIGITAL AUDIO AMP	NOTIFIER DAA-5025	EXISTING	7165-0028:0243
· · · · · · · · · · · · · · · · · · ·	END OF LINE RESISTOR			
	FLP CABLE	WEST PENN AQ294 CABLE		7161-0859:0101
	FLP CABLE	WEST PENN AQC294 CABLE		7161-0859:0101
	FLP CABLE	WEST PENN 975 CABLE		7161-0859:0101
	FLP CABLE	WEST PENN 998 CABLE		7161-0859:0101

		aan ayn i ku saurenn de wood in die steel teelske beheld 1940 in teelske tot 1940 tot in gewone gematiese en	and an agus an amhainn agus an farr-mhaile, a mhail ann air an bhaill de bhliain a tha air bhliainn a bhliainn	
FIRE ALARM SEQUENCE (OF OPERA	TION		and the second s
INITIATION				
	AREA	AREA		AC
	SMOKE	THERMAL	FULL	POWER
RESPONSE	DETECTOR	DETECTOR	STATION	FAILURE
ANNUNCIATE AT FIRE CONTROL ROOM	VEC	VEC	YES	YES
ALARM AND TROUBLE	YES	YES	Cai	(TROUBLE)
ALAKM AND I KOUBLE				ļ
CENTRAL STATION MONITORING	YES	YES	YES	YES
CENTRAL OTATION MONTH OF THE	110	110		
				·
ACTIVATE AUDIO VISUAL THROUGHOUT FLOOR OF ALARM	YES	YES	YES	YES
ACTIVATE ACDIC VICALITIES OF TELEVISION OF TELEVISION		1 110		
CENTRAL STATION MONITORING				
CENTRAL STATION MONITORING	YES	YES	YES	YES
ACTIVATE VOICE EVAC	YES	YES	YES	NO
		<u> </u>	<u> </u>	<u></u>

FIRE WATCH, FIRE MARSHAL REQUIREMENTS:

REQUIREMENTS FOR DISABLING THE FIRE ALARM SYSTEM;

1. As required by the **2016 CALIFORNIA FIRE CODE**, Section 901.7, standby personnel or systems temporarily "OUT OF SERVICE". The local Fire Marshal is authorized to require the Contractor to provide standby personnel as set forth in these sections, until the system is restored to operation.

2. Such individual shall be subject to the local Fire Marshal's order at all times when so employed and shall remain on duty during the time such places are open to the public or when such public activity is being conducted. Fire watch personnel shall be provided with at least one approved means for notification of the Fire Department.

3. Such individuals shall keep a diligent watch for fires and be able to take prompt and appropriate action in the event of a fire. Such individuals shall not be required or permitted, while on duty, to perform any other duties than these herein specified.

DPM-2				SUPER	/ISORY		ALARM
EQUIPIV	IENT DESCRIPTION	QUANTITY		CUI	RRENT	C	URRENT
ny apeninandrina kaominina ni Ministria na kaominina mpinambana na diaminina diaminina mandrifi ari na salama man	akamanin mili mili merkandakan dan penda berait sa dada berait mili berdi penda berait mili dada berait penda		gani anjan mengalah yang menjak kemali aya menjak ang Sebesti (1944)	(AMF	ERES)		PERES)
aansaddigilansigiladdisoolibadiinidiinid hooliddid (64 ina'ndrhoonid artiilid on hoolida'in da'na, 1906 daa, 19		EXISTING	NEW	EACH	SUB-TOTAL		SUB-TOTAL
DISTRIBUTED POWE	R MODULE	1	0	0.065			
FCM-1		1	0	0.0003	0.0003	0.0003	0.0003
		0	0	0	0	0.062	(
VISUALS	15 cd	0	0	0	0	0.066	(
VISUALS	15/75 cd	0		0	0	0.077	(
VISUALS	30 cd	0	0	0	0	0.094	ł
VISUALS	75 cd	5	1	0	0	0.158	
VISUALS	95 cd	0	0	0	0	0.202	(
		0	0	0	0	0	(
SUB TOTAL AMPER	ES			0.0653	AMPS		AMPS
		APP TEACH		x 24 HOURS		X 0.25 HO	
SUB TOTAL AMPER	E-HOURS			1.5672	A.H.	0.273325	A.H.
TOTAL REQUIRED A	MPERE-HOURS FOR DISTR	BUTED POWER MO	DULE			1.840525	
BATTERY NON-LINE	AR DISCHARGE CHARACTE	RISTIC FACTOR					x 1.2
	PERE HOURS REQUIRED					2.20863	A.H.
PROVIDED BATTER	Y CAPACITY	SLATO				7.00	A.H.

DPM-3				SUPE	RVISORY		ALARM
EQUIPMENT DE	SCRIPTION	QUANTITY		C	URRENT	C	URRENT
	anakhirannianananko orinamini 14 merikarinnian maniminin 1942-1975 yilmininyalan inferioliki kirist <mark>apapangan aga</mark>	and produced the second contract of the secon	- Annian Change and Street Manager Security Secu	(AN	IPERES)	(AN	IPERES)
	n (pagasapamapapan (prophyla) (p) im pant, prophyla (p) pagy har (no popula monopoli pagom opagy im pagy no hite and paghabahana	EXISTING	NEW	EACH	SUB-TOTAL		SUB-TOTA
DISTRIBUTED POWER MODU	JLE The state of t	1	0				i
FCM-1		1	0	0.0003	0.0003	0.0003	0.00
HORNS		o	0	0	0	0.062	
VISUALS	15 cd	0	0	0	0	0.066	
VISUALS	15/75 cd	0	0	0	0	0.077	
VISUALS	30 cd	0	0	0	0	0.094	
VISUALS	75 cd	2	2	0	0	0.158	0.6
VISUALS	95 cd	0	0	0	0	0.202	
		0	0	0	0	0	
		0	0	0	0	U	
SUB TOTAL AMPERES				0.0653	ī		AMPS
				x 24 HOU		X 0.25 HO	
SUB TOTAL AMPERE-HOUR	3	Parking and Control of the Control o		1.5672	A.H.	0.194325	A.H.
TOTAL REQUIRED AMPERE-	HOURS FOR DISTRIBU	TED POWER MO	DULE			1.761525	A.H.
BATTERY NON-LINEAR DISC	HARGE CHARACTERIS	TIC FACTOR			-		x 1.2
TOTAL MINIMUM AMPERE H	OURS REQUIRED	County (Poster)			Negotives.	2.11383	1
PROVIDED BATTERY CAPAC	YIK	and the same of th			abast a year	7.00	A.H.

EXISTING VOICE PANEL BATTERY CALCULA	TION - DVC-EM			The state of the s		
			SUPE	RVISORY		ALARM
EQUIPMENT DESCRIPTION	QUANT	TITY	C	URRENT	C	URRENT
		DANCE OF A PERSONAL PROPERTY OF THE PROPERTY O	(AN	IPERES)	(AN	MPERES)
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
DVC	1	0	0.44	0.44	0.44	0.4
DAA 5025	1	0	0.35	0.35	1.9	1.
				0		
1/4 Watt Speaker	0	0.	0	0	0.017	
1 Watt Speaker	8	2	0	0	0.068	<u> </u>
2 Watt Speaker	3	1		0	0.132	0.52
	0	0		0	0	
VISUALS 75 cd	0	0		0	0.158	(
VISUALS 30 cd	0	0	0	0	0.094	
VISUALS 15 cd	0	0	0	0	0.066	
	0	0	0	0	0	<u> </u>
SUB TOTAL AMPERES	1		0.79	AMPS	3.548	AMPS
	and the second		x 24 HOU	रड	X 0.25 HO	URS
SUB TOTAL AMPERE-HOURS	al and in a local section of the sec		18.96	A.H.	0.887	A.H.
	***	0.1100111			40.047	A 11
TOTAL REQUIRED AMPERE-HOURS FOR DIST			_	14.0	19.847	1
BATTERY NON-LINEAR DISCHARGE CHARACT		₹		- constitution		x 1.2
TOTAL MINIMUM AMPERE HOURS REQUIRED	Agent Park			of parameters of the state of t	23.8164	<u> </u>
Existing BATTERY CAPACITY	In sizero				55.00	A.H.

	-		SUPER	RVISORY	AL	ARM
EQUIPMENT DESCRIPTION	QUAN	ITITY	CUF	RRENT	CUF	RRENT
	www.waranana.unungun.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europa.europ europa.eur	aurenten 2 volonto de 100 de entre constituente des activités establishés de entre de l'activités de l'activité	(AM	PERES)	(AM	PERES)
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTA
FIRE ALARM PANEL	1	0	0.1	0.1	0.1	(
DIGITAL ALARM COMMUNICATOR	1	0	0.02	0.02	0.02	0.
SUPERVISED OUTPUT MODULE			0.00022	0	0.0003	
			0	0	0	
SMOKE DETECTOR	21	4	0.00039	0.00936	0.00039	0.0097
HEAT DETECTOR	19	4	0.00035	0.0077	0.00035	0.008
HORNS	8	0		0	0.062	0.4
AUDIBLE/VISUALS 75 cd	18	0		0	0.121	2.1
AUDIBLE/VISUALS 15 cd	21			0	0.052	1.09
SUB TOTAL AMPERES			0.13706	AMPS	3 9038	AMPS
SOB TOTAL AMI ENES			x 24 HOU	1	x 0.25 HO	
SUB TOTAL AMPERE-HOURS			3.28944		0.327919	
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIB	UTED POWE	R MODUL	E	opings and the second s	3.617359	
BATTERY NON-LINEAR DISCHARGE CHARACTE	RISTIC FACT	OR		no de la composito de la compo		x 1.2
TOTAL MINIMUM AMPERE HOURS REQUIRED	en mentre dept			- the state of the	4.340831	A.H.
BATTERY AH SUPPLIED	en custima,				26.00	A.H.

		VOLTA	AGE DRO	P CALCULAT	IONS	
CIRCUIT	2x	LENGTH x	AMPS x	RESISTANCE x	= VOLTS	VOLTAGE DROP
N31	- 2	350	0.632	0.00205	0.907	3.78 %

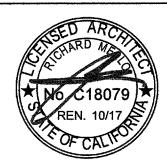
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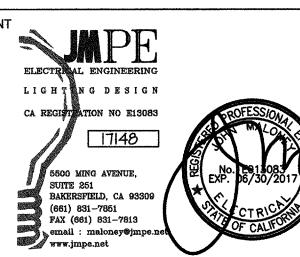


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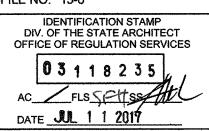
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BAKERSFIELD CITY SCHOOL DISTRICT



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PROJECT NO: 17150/109623

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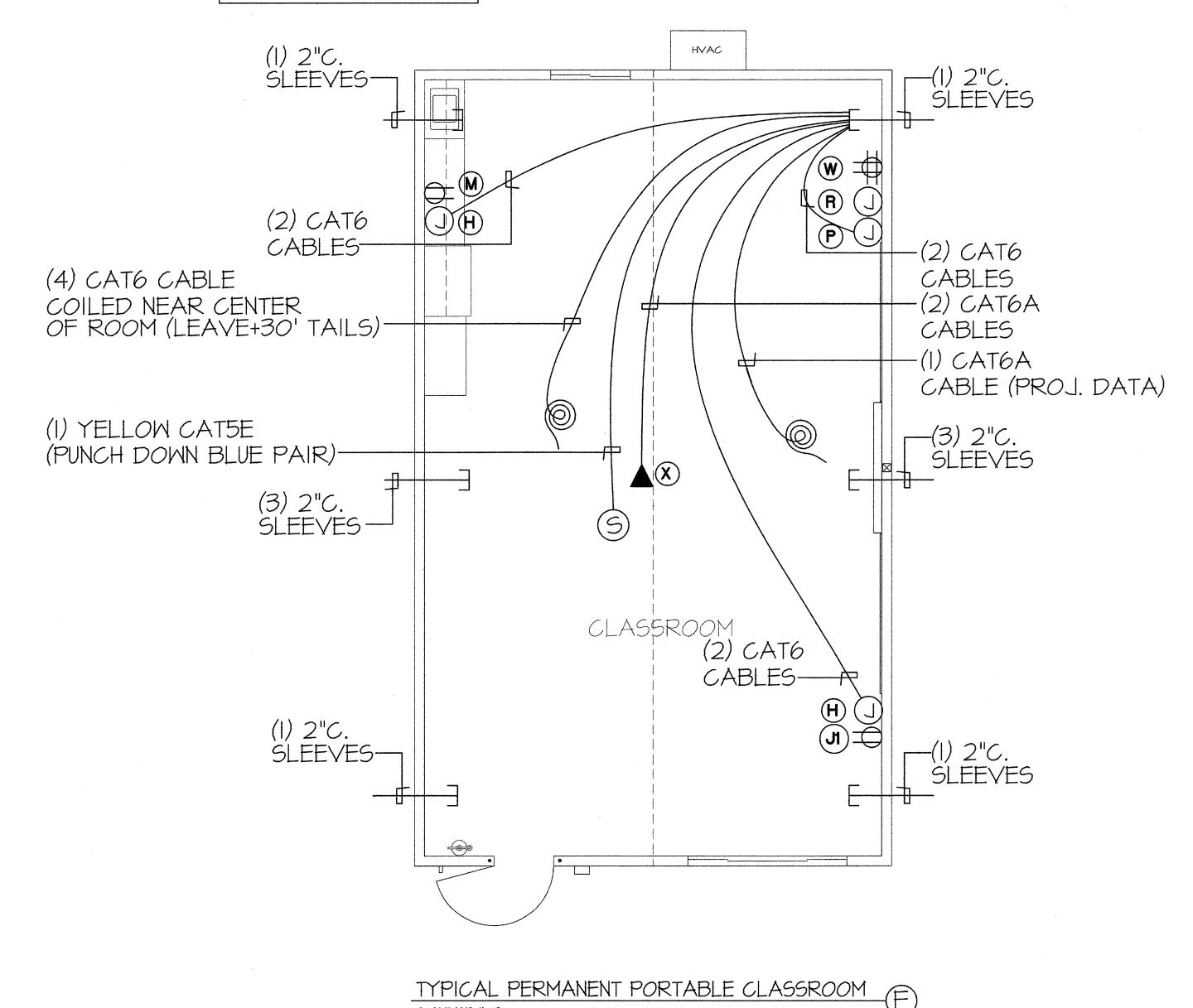
KT

ISSUE DATE: 07/11/2017

SHEET TITLE

FIRE ALARM RISER CALCULATIONS

SHEET NUMBER



SCALE:1/4"=1'-0"

FLEXIBLE CONDUIT DETAIL

SCALE: NO SCALE

FADATA/COMM.

TRENCH DETAIL

SCALE: NONE

TRENCH DETAIL

TRENCH DETAIL

TRENCH DETAIL

SCALE: NONE

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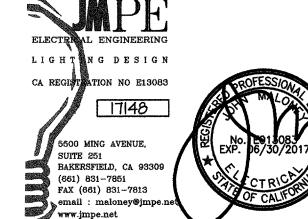


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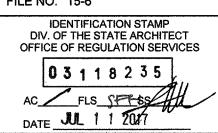
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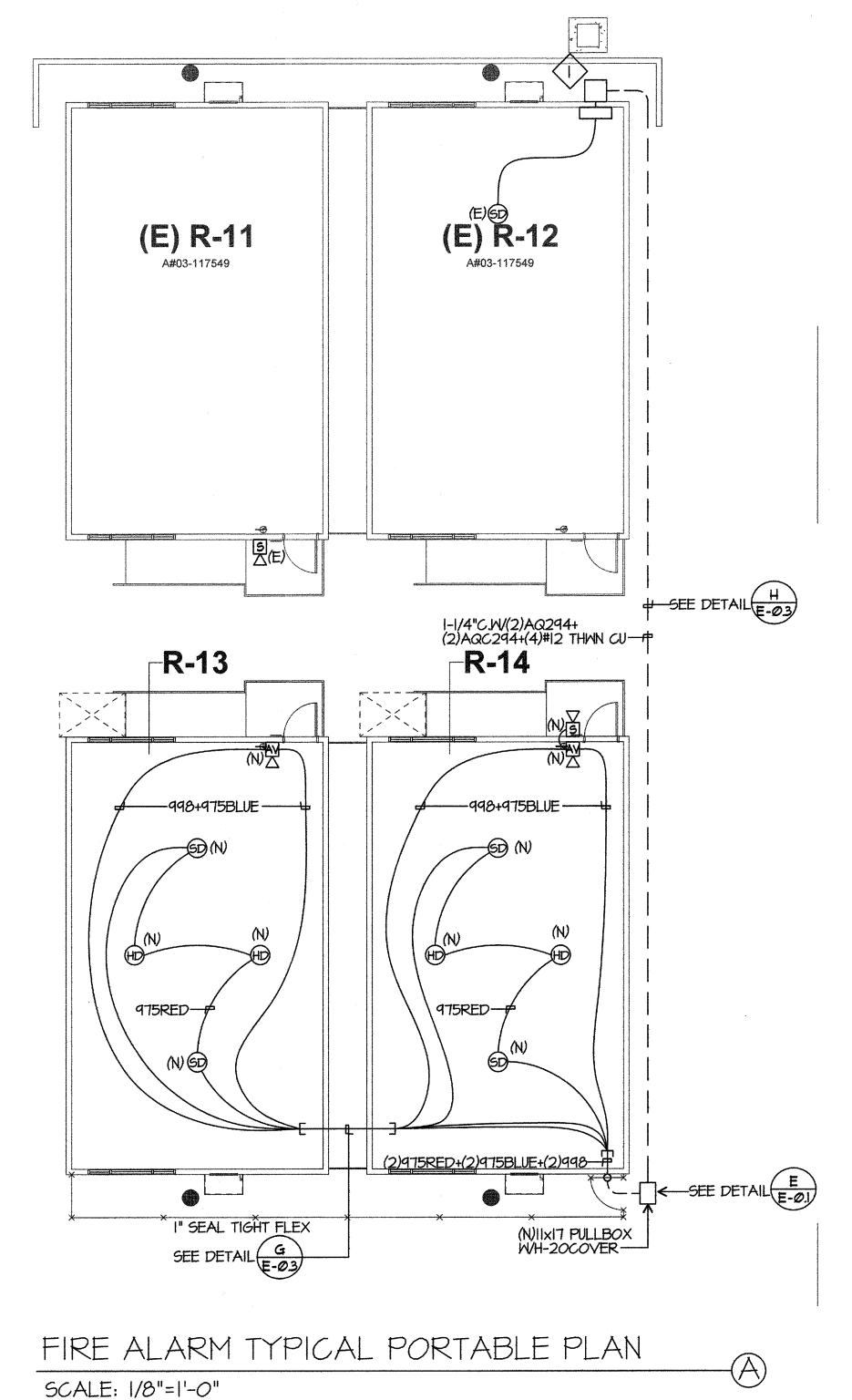
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ISSUE DATE: 07/11/2017

SHEET TITLE

DETAILS

SHEET NUMBER



FIRE ALARM PORTABLE PLAN NOTES

EXTEND SLC AND NAC CIRCUITS FROM (E)DPM-R-12 TO (N) RELOS. AND BACK TO EXISTING DEVICES IN (E)RELO R-12.

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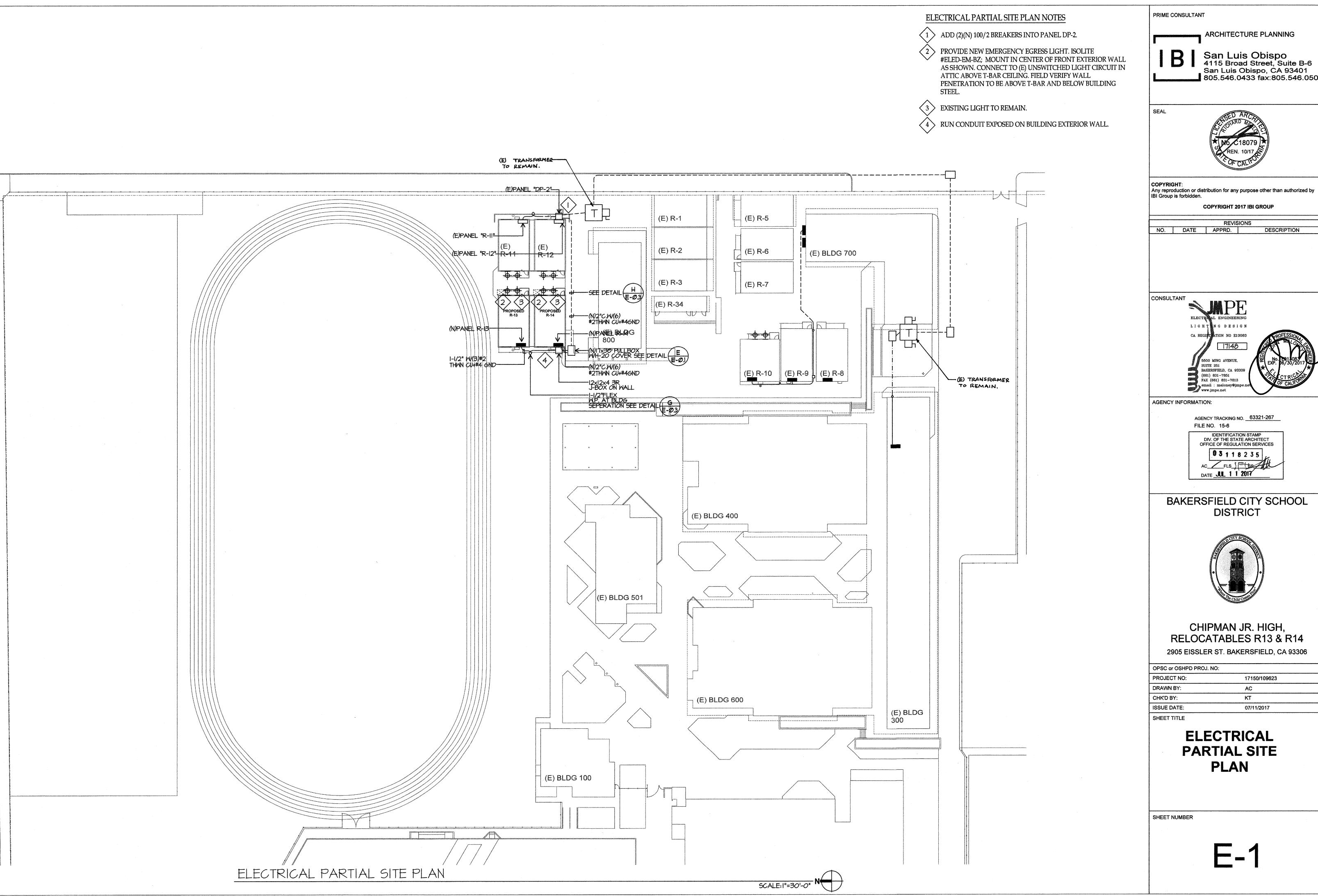
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SHEET TITLE

FIRE ALARM PORTABLE PLAN

SHEET NUMBER



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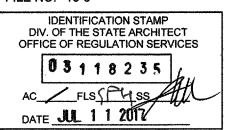
ELECTRAL ENGINEERING
LIGHTING DESIGN
CA REGISTRATION NO E13083

17148

5500 MING AVENUE,
SUITE 251
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(661) 831-7851
FAX (661) 831-7813
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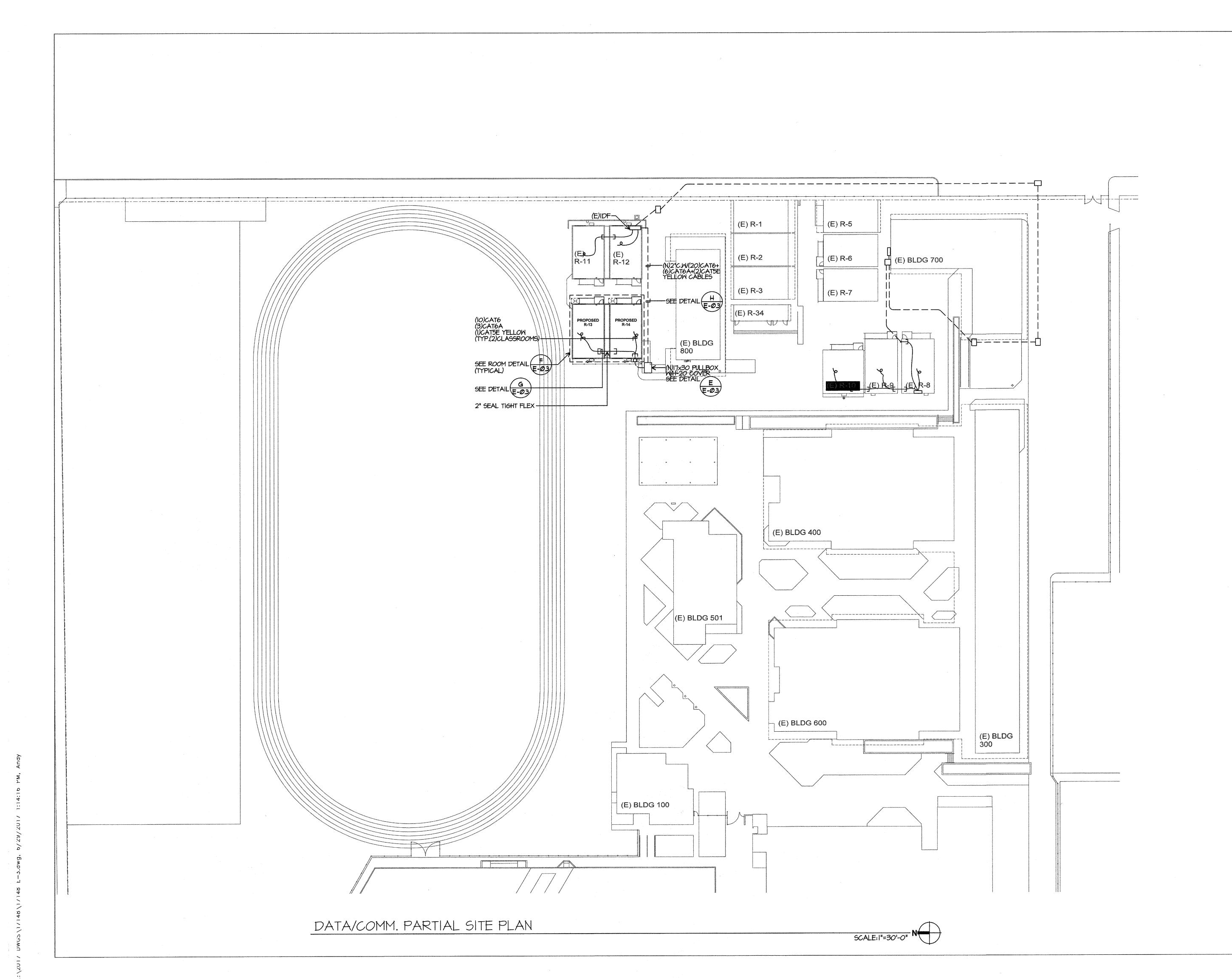
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SHEET TITLE	

FIRE ALARM PARTIAL SITE PLAN

SHEET NUMBER

E-2

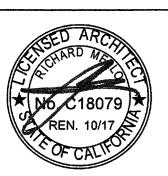


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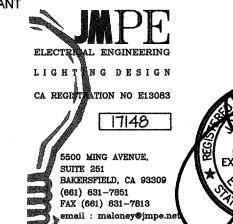
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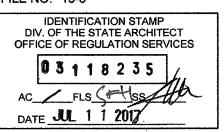
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SHEET TITLE

DATA/COMM.
PARTIAL
SITE PLAN

SHEET NUMBER

E-3