WORKMANSHIP NOTES

1. AESTHETICS ARE A VERY IMPORTANT COMPONENT OF THIS PROJECT. INSTALLATION OF ALL ELECTRICAL WORK SHALL BE OF THE HIGHEST QUALITY AND CRAFTSMANSHIP POSSIBLE.
2. THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. THE CONTRACTOR SHALL CAREFULLY STUDY THE DRAWINGS AND PREMISES IN ORDER TO DETERMINE THE BEST METHODS, EXACT LOCATIONS, ROUTES, OBSTRUCTIONS, ETC. WHICH AFFECT HIS INSTALLATION.
3. ANY EXPOSED CONDUITS/RACEWAYS THAT ARE ALLOWED SHALL BE INSTALLED IN LOCATIONS THAT ARE AS INCONSPICUOUS AS POSSIBLE, AND SHALL FOLLOW THE LINES OF THE STRUCTURE AS CLOSELY AS POSSIBLE. ALL EXPOSED CONDUITS, BOXES, ETC. SHALL BE PAINTED.

ELECTRICAL SCOPE OF WORK

1. PROJECT INCLUDES INSTALLATION OF TEN (10) NEW PRE-MANUFACTURED PORTABLE BUILDINGS, AND THE PARTIAL RENOVATION OF EXISTING BUILDING "A".
2. ELECTRICAL SCOPE OF WORK INCLUDES (BUT IS NOT LIMITED TO) THE FOLLOWING:
   A. SELECTIVE DEMOLITION OF PORTION OF BUILDING "A" INCLUDING DEMOLITION OF EXISTING BRANCH CIRCUITING, LIGHTING, FIRE ALARM AND SIGNAL SYSTEMS. SEE DEMOLITION NOTES FOR ADDITIONAL INFORMATION.
   B. NEW BRANCH CIRCUITING, LIGHTING, FIRE ALARM, AND SIGNAL SYSTEMS FOR RENOVATED PORTION OF EXISTING BUILDING "A".
   C. INSTALLATION AND INTERCONNECTION OF NEW DISTRIBUTION SWITCHBOARD FOR CONNECTION TO NEW PRE-MANUFACTURED PORTABLE BUILDINGS.
   D. INTERCONNECTION OF NEW PORTABLE BUILDINGS TO CAMPUS' EXISTING SIGNAL SYSTEMS.

BRANCH CIRCUIT VOLTAGE DROP TABLE

MAXIMUM BRANCH CIRCUIT LENGTH (ONE WAY) FOR VOLTAGE DROP LESS THAN 3%

NORMAL VOLTAGE	CIRCUIT RATING	WIRE SIZE (AWG)	MAX LENGTH (FT)	MAX LOAD (VA)	MAX LOAD (AMPS)	VOLTAGE DROP (%)
120 VOLTS	20 AMPS	12	100	1920	16	2.67
		10	180	1920	16	2.88
		8	275	1920	16	2.86
277 VOLTS	20 AMPS	12	250	4432	16	2.89
		10	400	4432	16	2.77
		8	625	4432	16	2.82

CONDUIT SIZING SCHEDULE

CONDUIT SIZE	AREA	40% FILL x 75%	ALLOWABLE FILL
3/4" DIAMETER CONDUIT	.53 S.I.	.53 S.I.	.159 S.I.
1" DIAMETER CONDUIT	.86 S.I.	.86 S.I.	.258 S.I.
1 1/4" DIAMETER CONDUIT	1.50 S.I.	1.50 S.I.	.450 S.I.
1 1/2" DIAMETER CONDUIT	2.04 S.I.	2.04 S.I.	.612 S.I.
2" DIAMETER CONDUIT	3.36 S.I.	3.36 S.I.	1.01 S.I.
2 1/2" DIAMETER CONDUIT	5.86 S.I.	5.86 S.I.	1.76 S.I.
3" DIAMETER CONDUIT	8.85 S.I.	8.85 S.I.	2.66 S.I.
3 1/2" DIAMETER CONDUIT	11.5 S.I.	11.5 S.I.	3.45 S.I.
4" DIAMETER CONDUIT	14.75 S.I.	14.75 S.I.	4.43 S.I.

SYMBOL LIST

SYMBOL	DESCRIPTION
S	DASHED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED.
$	FINE-LINED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO REMAIN.
$	CROSS MARK ON ANY SWITCH SYMBOL INDICATES EXISTING SWITCH OUTLET.
—EX—	EXISTING CONDUIT TO REMAIN.
—R—	EXISTING CONDUIT TO BE REMOVED IF IN AN ACCESSIBLE AREA OR TO BE ABANDONED IF IN AN INACCESSIBLE AREA.
	NEW LIGHTING FIXTURE INSTALLED ON EXISTING OUTLET.
A	INDICATES FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR LAMP, WATTAGE, AND MOUNTING INFORMATION. TYPICAL FOR ROOM INDICATED, UNLESS OTHERWISE NOTED.
HA-11a	INDICATES CONTROLLING SWITCH LEG.
	DENOTES BRANCH CIRCUIT NUMBER SUPPLYING FIXTURE.
	WHEN USED, DENOTES PANELBOARD SUPPLYING FIXTURE.
	SURFACE MOUNTED LIGHTING FIXTURE.
	WALL MOUNTED LIGHTING FIXTURE. MOUNTING HEIGHT AS INDICATED.
Sa	SINGLE POLE, SINGLE THROW TOGGLE SWITCH, MOUNTED AT +45" AFF AT CENTER OF BOX U.O.N. SUBSCRIPT INDICATES CONTROLLING SWITCH LEG.
OC ab	COMBINATION OCCUPANCY SENSOR/WALL SWITCH, WALL MOUNTED AT +45" AFF TO CENTER OF BOX U.O.N. SUBSCRIPT WHEN SHOWN INDICATES BI-LEVEL SWITCHING FUNCTIONS.
	DUPLEX RECEPTACLE, MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.
	DUPLEX RECEPTACLE, GFCI TYPE, MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.
	DOUBLE DUPLEX RECEPTACLE, MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.
	DOUBLE DUPLEX RECEPTACLE GFCI TYPE, MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.
	POWER DISTRIBUTION SWITCHBOARD. (SWBD)
	FLUSH MOUNTED PANELBOARD.
	SURFACE MOUNTED PANELBOARD.
	SURFACE MOUNTED CABINET, AS NOTED.
	FLUSH MOUNTED CABINET, AS NOTED.
J	JUNCTION BOX. SIZED PER CEC, U.O.N.
	MOTOR CONNECTION.
AC 2	MECHANICAL EQUIPMENT REFERENCE.
	PULLBOX WITH SCREW COVER, SIZE AS REQUIRED.
	CONDUIT CONCEALED IN WALL OR CEILING SPACE.
	CONDUIT CONCEALED UNDER FLOOR SLAB OR UNDERGROUND.
	CONDUIT INSTALLED EXPOSED.
	CONDUIT INSTALLED IN RAISED ACCESS FLOOR SPACE.
—W—	SURFACE MOUNTED ONE-PIECE METAL OR PLASTIC RACEWAY.
	CONDUIT TURNED UP.
	CONDUIT TURNED DOWN.
	FLEXIBLE METAL CONDUIT. INSTALL REQUIRED BRANCH CIRCUIT CONDUCTORS AND EQUIPMENT GROUND CONDUCTOR.
W	WIREMOLD DROP.
F	FLEXIBLE CONDUIT DROP IN MOVABLE PARTITION.
4	ELECTRICAL NOTE REFERENCE (TYPICAL)
1 / E-6	INDICATES DETAIL '1' ON SHEET E-6 (TYPICAL)
M	METER SOCKET OR MOTOR CONTACTOR.
KWH	KILOWATT HOUR DEMAND METER.
	LOW VOLTAGE CIRCUIT BREAKER.
	FUSE, SIZE AND TYPE AS NOTED.
	POWER TRANSFORMER.
	GROUND CONNECTION.
60A	SWITCH SIZE
3P	NO. OF POLES
60A	FUSE SIZE
100AT	TRIP SETTING
225AF	FRAME SIZE
3P	NO. OF POLES

BRANCH CIRCUIT DESIGNATIONS:

SYMBOL	DESCRIPTION
	3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 3#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 4#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 5#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 6#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 7#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	1" CONDUIT WITH 8#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
#10	A NUMBER ADJACENT TO THE HASH MARK IN ANY CONDUIT RUN INDICATES THE CONDUCTOR SIZE TO BE USED IN LIEU OF #12 AWG. CONDUIT AND EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER CEC, U.O.N.
A-1,3	HOMERUN TO INDICATED PANELBOARD ('A'). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS.
3/4"-3#8+1#10 EG	INDICATES 3/4" CONDUIT WITH (3) 8 AWG CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND.
3/4"-3#10+3#10 (IN)+1#10 EG	INDICATES 3/4" CONDUIT WITH (3) 10 AWG PHASE CONDUCTORS PLUS (3) 10 AWG INDIVIDUAL NEUTRAL CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND.
(2) 3" 3-500KCM +1#1/0 EG	INDICATES TWO (2) 3" CONDUITS WITH THREE (3) 500 kcmil CONDUCTORS PLUS ONE (1) 1/0 AWG EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT.
	WHEN HOMERUN IS NOT SHOWN, BRANCH CIRCUIT NUMBER(S) (AND PANELBOARD) ARE DESIGNATED BY NUMBERS ADJACENT TO OUTLET:
PA-7 PA-7	DENOTES BRANCH CIRCUIT(S) SUPPLYING OUTLET.
	WHEN USED, DENOTES PANELBOARD SUPPLYING OUTLET.
PA-13,15 #10	DENOTES BRANCH CIRCUIT WIRE SIZE WHEN OTHER THAN 12 AWG.

BRANCH CIRCUIT WIRING NOTE:
MULTIWIRE BRANCH CIRCUITS SHALL ORIGINATE FROM MULTIPLE-POLE CIRCUIT BREAKERS AS REQUIRED BY CEC (NEC) 210.4(B). BRANCH CIRCUITS THAT ORIGINATE FROM SINGLE-POLE CIRCUIT BREAKERS SHALL NOT BE INSTALLED AS PART OF A MULTIWIRE CIRCUIT . EACH SINGLE-POLE BREAKER CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. REFER TO THE PANEL SCHEDULES FOR CIRCUIT BREAKER REQUIREMENTS.

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE/DATA OUTLET FLUSH IN COMBINATION FLOOR BOX. SEE DETAIL X/E-X
	DATA OUTLET, WALL MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.
	SIGNAL SYSTEM BACKBOARD, 4'W x 8'H x 3/4" FIRE RESISTANT PLYWOOD, UNLESS OTHERWISE NOTED (TBB).
A	DOOR ALARM SWITCH, AS NOTED.
KP	KEYPAD CONTROLLER FOR INTRUSION DETECTION SYSTEM.
S	SPEAKER MOUNTED IN CEILING.
S	SPEAKER MOUNTED ON WALL AT HEIGHT INDICATED.
V	VOLUME CONTROL, MOUNTED AT +45" AFF TO CENTER OF BOX U.O.N.
TV	TELEVISION OUTLET, MOUNTED AT +18" AFF TO CENTER OF BOX U.O.N.

A, AMP	AMPERE
AA	DRY TYPE, SELF COOLED TRANSFORMER
AC	ALTERNATING CURRENT
AF	AMPS FRAME, OR AMPS FUSE RATING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTING CAPACITY
AF	AMPS FRAME RATING
CEC	CALIFORNIA ELECTRICAL CODE (TITLE 24, PART 3).
C.O.	CONDUIT ONLY
DN	DOWN
DWG	DRAWING
EA.	EACH
ELEC	ELECTRICAL
EQUIP.	EQUIPMENT
EX	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
GFI	GROUND-FAULT INTERRUPTER
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME
KAIC	1000 AMPS INTERRUPTING CAPACITY (kAIC)
KCM	1000 CIRCULAR MIL (kcmil)
KW	KILOWATT (kW)
LAN	LOCAL AREA NETWORK
MAX.	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
NIC	NOT IN CONTRACT
SWBD	SWITCHBOARD
TBB	TELEPHONE BACKBOARD
TEL	TELEPHONE/VOICE
TEMP	TEMPERATURE
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMPERES
W	WATT, OR WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
+48"	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE U.O.N.
ø	PHASE

ELECTRICAL SHEET INDEX

1. E-001 – SYMBOL LIST, ABBREVIATIONS, NOTES
2. E-002 – GENERAL ELECTRICAL NOTES
3. E-010 – SINGLE LINE DIAGRAM
4. E-020 – FIRE ALARM INFORMATION
5. E-021 – FIRE ALARM CALCULATIONS
6. E-022 – FIRE ALARM RISER DIAGRAM
7. E-030 – ELECTRICAL DETAILS
8. E-101 – OVERALL SITE PLAN – ELECTRICAL
9. E-201 – PARTIAL SITE PLAN – POWER & ELECTRICAL DEMOLITION
10. E-202 – PARTIAL SITE PLAN – SIGNAL & LIGHTING
11. E-203 – PARTIAL SITE PLAN – FIRE ALARM
12. E-301 – BUILDING A FLOOR PLANS – POWER & ELECTRICAL DEMOLITION
13. E-302 – BUILDING A FLOOR PLANS – SIGNAL & LIGHTING
14. E-303 – BUILDING A FLOOR PLAN – FIRE ALARM

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
ARA VARTANIANS
No. E013986
EXP. 6-30-20
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

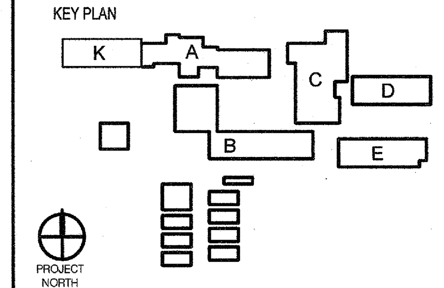
PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS ___ FLS ___ SSS ___
Date: DEC 21 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE
DSK JOB NO: 17012B
SYMBOL LIST, ABBREVIATIONS, NOTES

SHEET NUMBER
E-001

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt

EQUIPMENT ANCHORAGE NOTES

1. ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OF ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA PER 2016 CBC, AND ASCE 07-10

   $$Fp = \frac{.4ap\ S_{DS}\ Wp}{(Rp/Ip)}\ \ (1+S\frac{z}{h}) = 1.19Wp$$

   WHERE:
   - Fp = HORIZONTAL SEISMIC FORCE AT STRENGTH LOAD LEVEL 1.0E
   - ap = 2.5 FOR FLEXIBLE EQUIPMENT, INCLUDING EQUIP. ON VIBRATION ISOLATORS
   - S_{DS} = 1.58
   - Ip = 1.5
   - Rp = 6
   - h = HEIGHT OF EQUIPMENT ATTACHMENT ABOVE GRADE
   - Wp = WEIGHT OF EQUIPMENT

2. Fp SHALL NOT BE LESS THAN $.3S_{DS}$ Ip Wp = 0.71 Wp

   Fp NEED NOT EXCEED $1.6S_{DS}$ Ip Wp = 3.79 Wp

3. ANCHORS MUST MEET REQUIREMENTS OF 2016 CBC SECTION 1616A.1.19.

4. FOR LOAD COMBINATIONS, SEE 2016 CBC.

5. ALL EQUIPMENT SHALL BE DESIGNED FOR A SIMULTANEOUS VERTICAL SEISMIC FORCE EQUAL TO + .20 S Wp = 0.32 Wp

6. ANCHORAGE OF EQUIPMENT SHALL BE PER 2016 CBC AND ASCE 07-10, TABLE 13.6-1 AND SECTION $13.6._{DS}$

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO 2016 CBC STATE ELECTRICAL CODES. CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION AND DSA REQUIREMENTS. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE UL LISTED.
2. MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12 AWG, 600 VOLT "THHW" OR "THHN" INSULATION, COPPER CONDUCTORS. WIRING FOR SIGNAL AND FIRE ALARM SYSTEMS SHALL BE AS NOTED ON THE DRAWINGS.
3. ALL CONDUIT SIZES SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE FOR CONDUIT FILL.
4. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR, TITLE 24, 2016 CBC SECTION 1615A, AND ASCE 7-10 CHAPTER 13
5. ALL CONDUIT, WIRE, DEVICES, AND BOXES ARE NEW UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE PRIOR TO SUBMITTING BID.
7. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SYSTEMS AT THE SITE. THE SYSTEMS SHALL INCLUDE; ALL EQUIPMENT, CONDUIT CABLE, WIRE AND ALL NECESSARY ITEMS FOR THE SYSTEM TO BE OPERABLE.
8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE ELECTRICAL WORK BY LEGALLY CONSTITUTED AUTHORITIES, AND SHALL DELIVER ALL CERTIFICATES TO THE DISTRICTS FACILITIES BRANCH BEFORE THE WORK IS STARTED.
9. ALL RUNS OF CONDUIT ONLY SHALL HAVE AN IDEAL CAT. #31-343 "POWER-FISH" PULL LINE INSTALLED.
10. THE DRAWINGS INDICATE THE ELECTRICAL WORK WHICH IS TO BE IN PLACE WHEN THE WORK IS COMPLETE.
11. NO CABLE SHALL BE INSTALLED PRIOR TO THE INSPECTION AND ACCEPTANCE OF A COMPLETED CONDUIT SYSTEM.
12. EXISTING CIRCUITS, CONDUIT RUNS AND OUTLET LOCATION HAVE BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BUILDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIED THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THE DISCLAIMER AFFECTS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCURATE "AS-BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
13. AT NO TIME DURING CONSTRUCTION AND INSTALLATION MODIFICATION OF THE FIRE ALARM SYSTEM SHALL THE SCHOOL BE WITHOUT AN OPERATIONAL FIRE ALARM SYSTEM WHEN CHILDREN ARE ON CAMPUS. CHANGE OVERS MUST BE DONE AFTER SCHOOL OR ON THE WEEKENDS. THE CONTRACTOR SHALL NOTIFY THE SCHOOL SITE PERSONAL AND THE MAINTENANCE OFFICE 48 HOURS PRIOR TO ANY DISCONNECTION OR CHANGE OVER OF THE FIRE ALARM SYSTEM, OR A FIRE WATCH WILL BE REQUIRED. CBC CHAPTER 34 AND CHAPTER 14 CFC.
14. THE TERM "PULL" USED ON THE DRAWINGS SHALL BE CONSIDERED TO MEAN "FURNISH, INSTALL AND CONNECT".
15. ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY PER SPECIFICATIONS. IN ADDITION, ALL FIRE ALARM AND DETECTION EQUIPMENT SHALL BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL (CSFM).
16. ALL NEW CONDUITS INSTALLED UNDER THIS SECTION OF WORK SHALL BE 3/4 INCH MINIMUM SIZE.
17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PATCH AND REPAIR ALL DAMAGE TO EXISTING FINISHES. THE AREAS OF WORK SHALL BE REPAIRED TO THE FINISH EXISTING PRIOR TO THE COMMENCEMENT OF WORK.
18. CONTRACTOR SHALL INSTALL NEW BLANK PLATES ON ALL EXISTING FLUSH OUTLETS THAT ARE ABANDONED IN PLACE. CONTRACTOR SHALL VERIFY LOCATION OF ALL ABANDONED OUTLETS AND SHALL INSTALL NEW PLATES ON ALL - EVEN THOSE NOT INDICATED OR NOTED SPECIFICALLY ON THE DRAWINGS.
19. ALL NEW OUTLETS (FOR RECEPTACLES, SWITCHES, J-BOXES, ETC.) INSTALLED IN EXISTING WALLS SHALL BE "CUT-IN" TYPE BOXES WITH FLEXIBLE CONDUIT "FISHED" INTO WALL CAVITY FROM CEILING SPACE ABOVE. ON EXISTING MASONRY WALLS (OR OTHER INACCESSIBLE TYPE WALLS) NEW OUTLETS SHALL BE SURFACE RACEWAY TYPE WITH EXPOSED SURFACE RACEWAY (WIREMOLD) OF APPROPRIATE SIZE. OBTAIN ARCHITECTS APPROVAL FOR ALL SURFACE RACEWAY LOCATIONS.
20. PLUG ALL KNOCK-OUTS WHERE CONDUITS ARE REMOVED FROM EXISTING BOXES, PANELS, SWITCHBOARDS, ENCLOSURES, ETC.
21. PROVIDE CONCRETE MOUNTING PADS FOR ALL NEW FLOOR MOUNTED ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.
22. WHERE HVAC AND PLUMBING EQUIPMENT IS SHOWN ON ELECTRICAL DRAWINGS, IT IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, CONNECTIONS, ETC. OF ALL EQUIPMENT. ALL WORK DESIGNATED AS "ELECTRICAL" ON MECHANICAL/ PLUMBING DRAWINGS SHALL BE DONE AS IF SHOWN ON THESE PLANS. VERIFY ALL LOCATIONS OF MECHANICAL EQUIPMENT WITH APPROPIATE CONTRACTORS.
23. THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL FIRE RATED PENETRATIONS WHETHER INDICATED OR NOT.
24. IF THE CONTRACTOR BELIEVES THAT THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT'S ATTENTION. SHOULD THE DISTRICT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
25. INSTALL ALL CONDUIT BUSHINGS PRIOR TO INSTALLATION OF ANY CONDUCTORS, SEE NOTE #12.
26. THE CONTRACTOR SHALL CAREFULLY REVIEW THE SPECIFICATIONS AS THEY PERTAIN TO RIGID CONDUIT. THE SPECIFICATION REQUIREMENTS ARE VERY STRINGENT AND SUBSTANTIALLY EXCEED MINIMUM CODE REQUIREMENTS. NO DEVIATIONS WILL BE ALLOWED WHERE RIGID CONDUIT IS CALLED FOR.
27. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, PATCH AND PAINT AS REQUIRED TO RESTORE WALLS AND SURFACES TO NEW CONDITION.
28. ALL EXPOSED CONDUIT, PULLBOXES, OUTLET BOXES, ETC. SHALL BE PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WITH ARCHITECT. REFER TO SPECIFICATIONS.
29. ALL DEMOLITION SHALL COMPLY WITH CH. 34 CBC AND CHAPTER 14 CFC.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 LBS. ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE BEEN POSITIVELY ATTACHED. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 LBS. AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 LBS. OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 LBS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THESE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8 AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MP☐ MD☐ PP☐ E☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OMP #) #____________.

MP☐ MD☐ PP☐ ☐ - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTNERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTED AND DETAILS, THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL_____ AND THE CONNECTION LEVEL_____ FOR THE PROJECT AND CONDITIONS.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER AND CATALOG NUMBER	LAMPS			FIXTURE		MOUNTING	DESCRIPTION
		TYPE	WATTS	COLOR TEMP.	INPUT VOLTS	TOTAL INPUT WATTS		
A	LITHONIA LIGHTING CAT. # GRD-LSL-8-MSL4-80CRI-35K-101000LMF-20/80-MINI-2T-120-SCT-C210	LED	32	3500° K	120	32	PENDANT	PENDANT MOUNTED LED FIXTURE WITH PAINTED STEEL HOUSING, ACRYLIC LENS AND INTEGRAL DRIVER.
B	LITHONIA LIGHTING CAT. # STL4-40L-EZ1-LP835	LED	34.9	3500° K	120	34.9	SURFACE	SURFACE MOUNTED LED DOWNLIGHT FIXTURE WITH WRAP AROUND LENS.
C	LITHONIA LIGHTING CAT. # LIL-LED-40K-MVOLT-PE-EL-WH	LED	8.4	4000° K	120	8.4	SURFACE (WALL)	SURFACE MOUNTED LED FIXTURE WITH ALUMINUM HOUSING WITH POLYCARBONATE LENS. FIXTURE SHALL BE COMPLETE WITH INTEGRAL PHOTOCELL & BATTERY PACK.

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

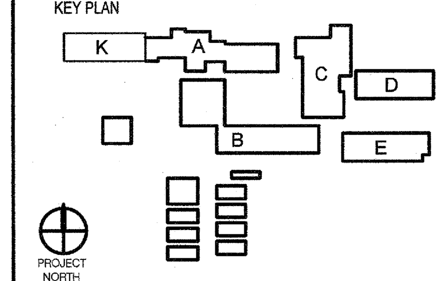
REGISTERED PROFESSIONAL ENGINEER ARA VARTANIANS No. E013986 EXP. 6-30-20 STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
AC FLS SSS
Date: DEC 2 1 2018

KEY PLAN


PROJECT ISSUE DATE: 2018/12/20

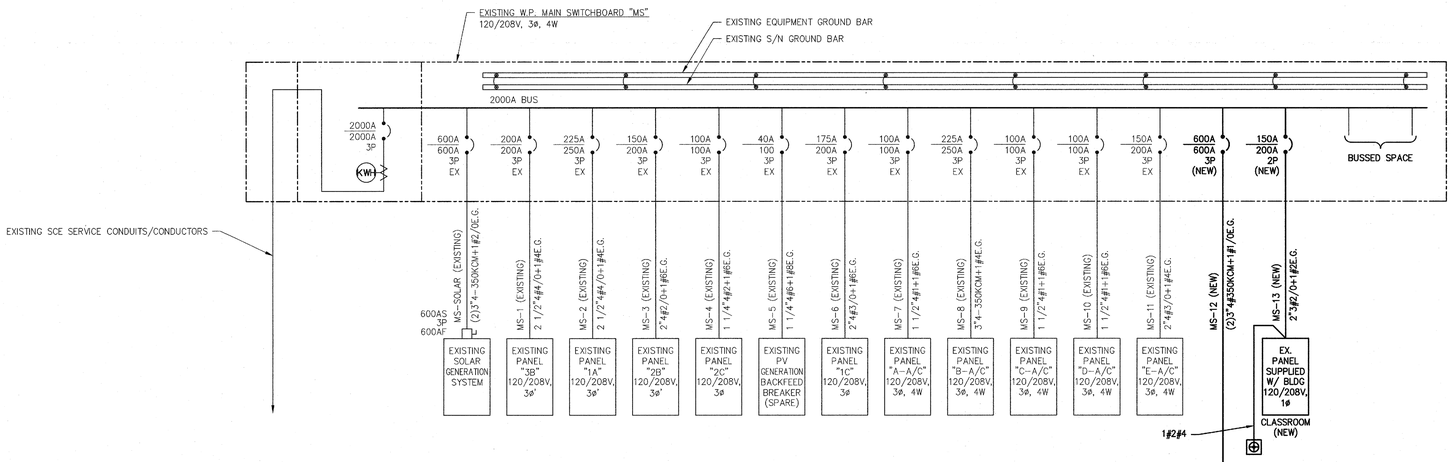
DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 17012B
GENERAL ELECTRICAL NOTES

SHEET NUMBER
E-002

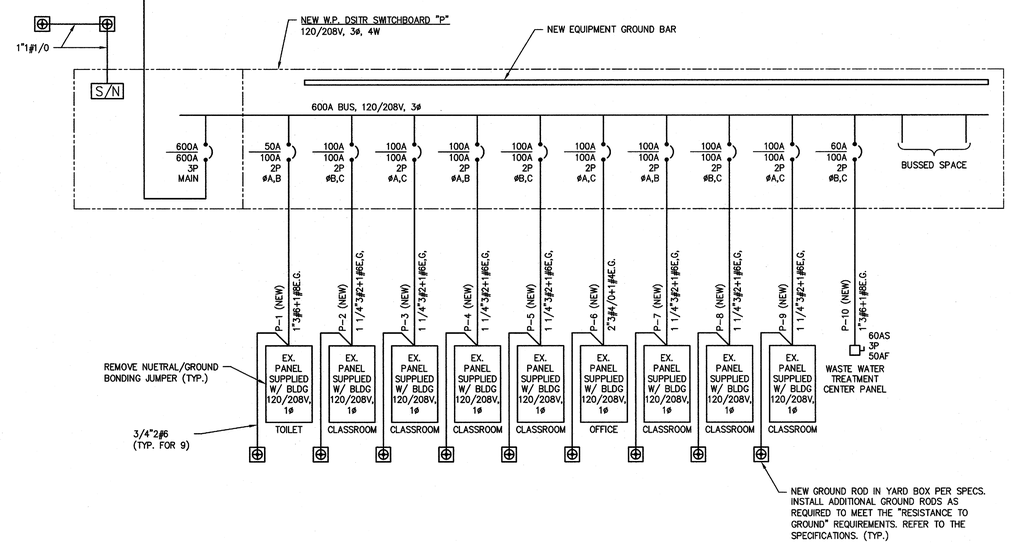
DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



LOAD SUMMARY - EX. MAIN SWBD "MS"

EXISTING LOAD PER DEMAND	=	254.9KW
MS-12 (NEW)	=	145.1 KW
MS-13 (NEW)	=	20.5 KW
TOTAL LOAD IN KW	=	420.5KW
TOTAL LOAD @ 120/208V, 3ø, 4W	=	1168.0 AMPS



LOAD SUMMARY - DISTR. PANEL "P"

FEEDER P-1	=	2.49 KW
FEEDER P-2	=	13.6 KW
FEEDER P-3	=	13.6 KW
FEEDER P-4	=	13.6 KW
FEEDER P-5	=	13.6 KW
FEEDER P-6	=	32.7 KW
FEEDER P-7	=	13.6 KW
FEEDER P-8	=	13.6 KW
FEEDER P-9	=	13.6 KW
FEEDER P-10	=	13.6 KW
TOTAL LOAD IN KW	=	145.09 KW
TOTAL LOAD @ 120/208V, 3ø, 4W	=	403.0 AMPS

SINGLE LINE DIAGRAM - NEW MAIN SWITCHBOARD "MS"

NO SCALE

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
ARA VARTANIAN
No. E013696
Exp. 12-31-20
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

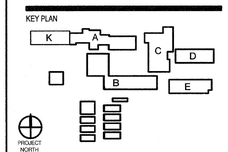
PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS. ELS. SSS.
Date: DEC 2 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

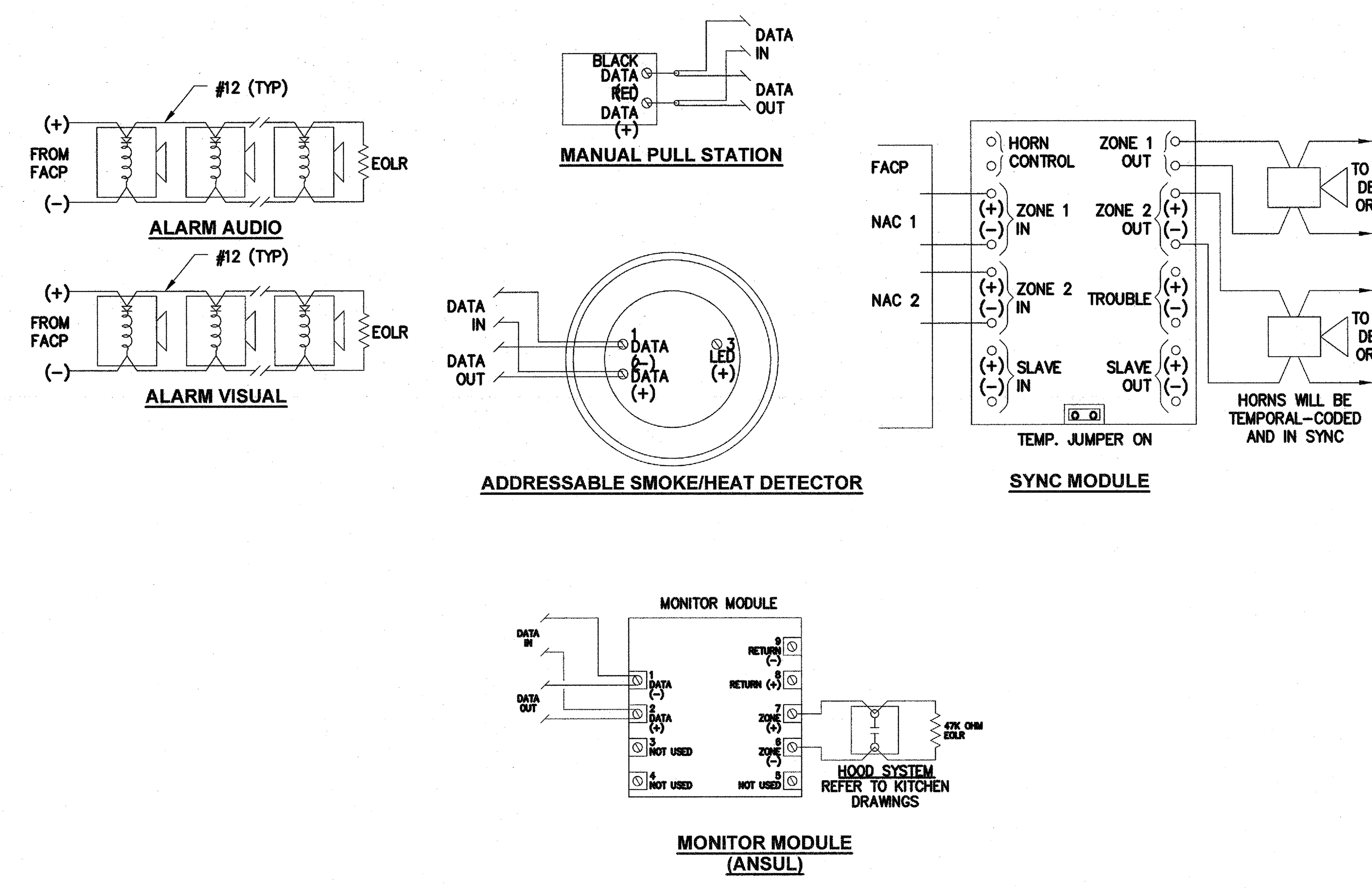
SHEET TITLE
SINGLE LINE DIAGRAM

DSK JOB NO: 170128

SHEET NUMBER
E-010

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



TYPICAL WIRING DIAGRAMS

NO SCALE

A
E-020

ACTION	DEVICES		
	MANUAL PULL STATION	SMOKE/ HEAT DETECTORS	AC POWER FAILURE
SOUND ALARM AT FACP	YES	YES	NO
ACTIVATE RELAY FOR OFF-SITE MONITORING	YES	YES	YES
SOUND TROUBLE BUZZER AT FACP	ON WIRING FAULT	ON WIRING FAULT	YES
ANNUNCIATE AT FACP	YES	YES	YES
ACTIVE SPEAKERS AND VISUALS	YES	YES	NO
HVAC SHUTDOWN	YES	YES	NO

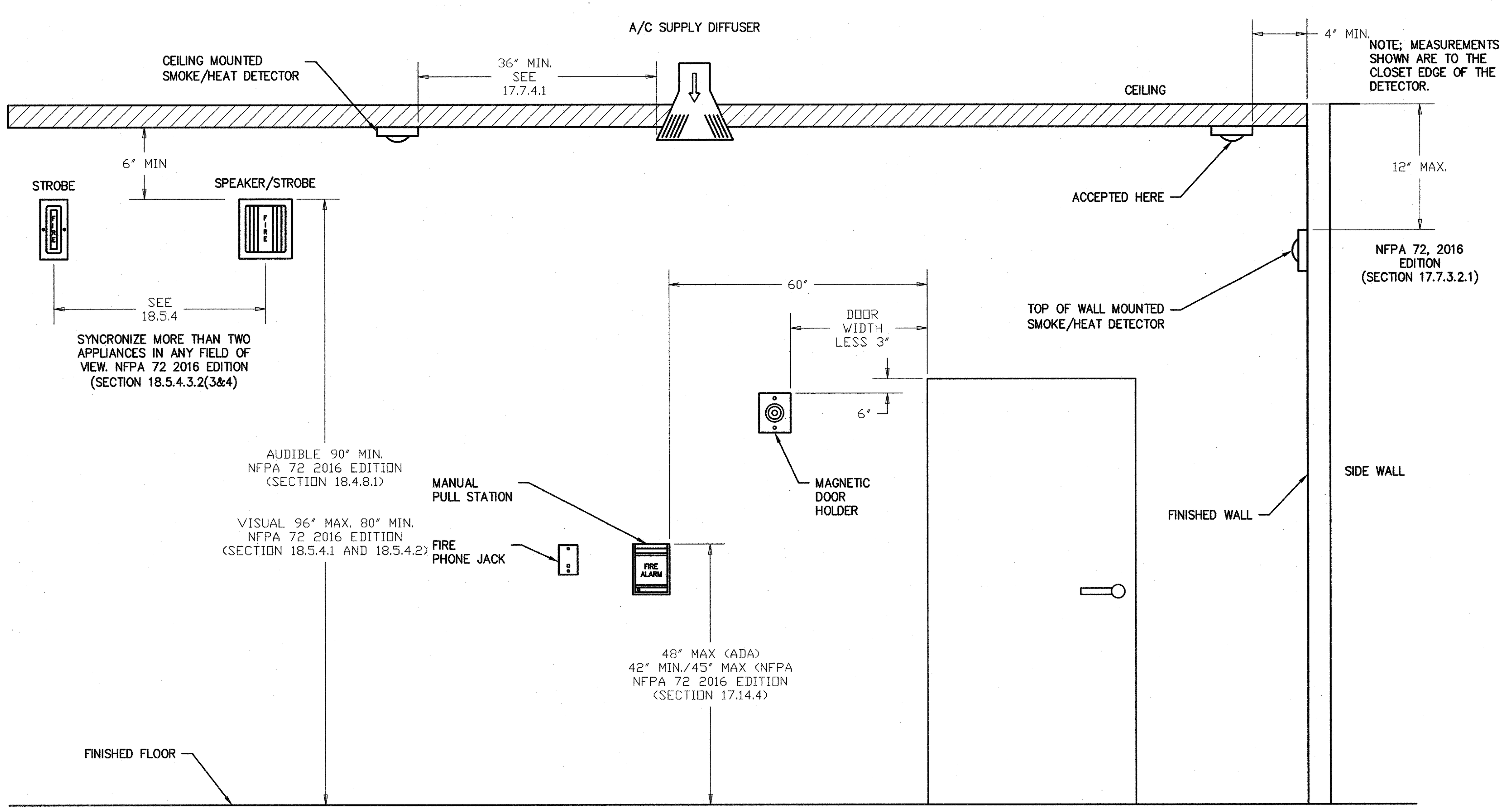
SCHOOL IS NON-SPRINKLERED

SEQUENCE OF OPERATION MATRIX

NO SCALE

FIRE ALARM WIRING SCHEDULE			
DESIG.	DESCRIPTION	MANUFACTURER	CSFM LISTING
A	AUDIO CIRCUIT, 1#18 TSP	WEST PENN #D975	7161-0859:0101
V	VISUAL CIRCUIT, 2#12 THHN	VARIOUS	N/A
Z	ADDRESSABLE LOOP, 1 PR. #18 TSP	WEST PENN #D975	7161-0859:0101
P	POWER 24VDC 2#14 THHN	VARIOUS	N/A

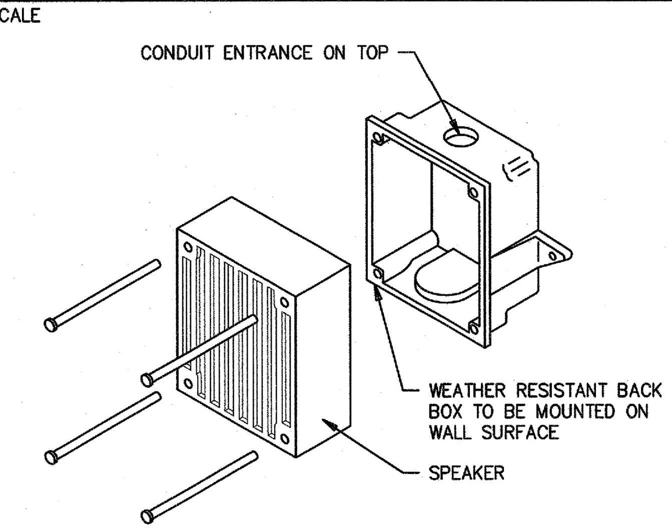
* ALL FIRE ALARM WIRING SHALL BE ROUTED IN 3/4"C EMT (MINIMUM) BUT NOT LESS THAN INDICATED ON FLOOR PLANS
TP = TWISTED PAIR
TSP = TWISTED SHIELDED PAIR



FIRE ALARM DEVICE ELEVATIONS

NO SCALE

C
E-020



EXTERIOR SPEAKER DETAILS

NO SCALE

E
E-020

ITEM DESCRIPTION	SYMBOL	MOUNTING	MODEL#	CSFM LISTING NO.
FIRE ALARM CONTROL PANEL "FACP" - 4100U		+48"	4100-9311 4100 ES	7165-0026:0251
FIRE ALARM VOICE COMMAND 4100ES		+48"	4100 ES	7165-0026:0251
FIRE ALARM REMOTE CONTROL ANNUN. PANEL W/VOICE EVAC	ANN.	+48"	4100-9610 W/ 4100-1292	7165-0026:0251
FIRE ALARM NAC EXTENDER - 4009		+48"	4009-9201	7300-0026:0214
ADDRESSABLE NAC CONTROLLER		+48"		7300-0026:0214
SPEAKER WITH WALL WEATHERPROOF BACK BOX	WP F	+90"	SPWK (SYSTEM SENSOR)	7320-1653:0201
MULTI-CANDELLA SPEAKER/ STROBE DEVICE SEPARATELY CIRCUITED ON FLUSH WALL MOUNTED OUTLET BOXES (15, 30, 75 OR 110 CANDELA AS INDICATED)	75 F	+80"	4906-9253	7320-0026:0322
VISUAL DEVICE ON OUTLET BOX (NUMBER INDICATES 15, 75, 30 OR 110 CANDELA RATING)	75 F	+80"	49V0-WWF	7135-0026:0373
MULTI-CANDELLA VISUAL DEVICE ON FLUSH CEILING MOUNTED OUTLET BOX (NUMBER INDICATES 75 CANDELA RATING)	75 F	CEILING	4906-9204	7125-0026:0235
MULTI-CANDELLA SPEAKER/STROBE DEVICE SEPARATELY CIRCUITED ON FLUSH CEILING MOUNTED OUTLET BOX (NUMBER INDICATES 75 CANDELA RATING)	75 F	CEILING	4906-9254	7320-0026:0322
TRUEALARM ANALOG PHOTOELECTRIC SMOKE SENSOR WITH BASE.		CEILING	4098-9714 4098-9792 (BASE)	7272-0026:0218 7300-0026:0217
FIXED 135°F HEAT DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX	H	CEILING	4098-9733 4098-9792 (BASE)	7272-0026:0216 7300-0026:0217
FIXED 190°F HEAT DETECTER	H	ABOVE CEILING	4098-9734 4098-9792 (BASE)	7272-0026:0218 7300-0026:0217
END OF LINE RESISTOR DEVICE				
MANUAL PULL STATION (INDOOR)	F	+48"	4099-9021	7150-0026:0224
MONITOR MODULE	MM	JUNCTION BOX	4090-9001	7300-0026:0223
CONTROL MODULE	C	JUNCTION BOX	4090-9002	7150-0026:0223
WEATHERPROOF VISUAL DEVICE ON WP OUTLET BOX (NUMBER INDICATES 15, 75, 30 OR 110 CANDELA RATING)	WP F	+80"	49V0-WRFO-BA 49WDBB-AVVOWW (BACK BOX)	7125-0026:0371
WEATHERPROOF SPEAKER/STROBE ON WP OUTLET BOX (NUMBER INDICATES 15, 75, 30 OR 110 CANDELA RATING)	WP 75 F	+80"	49AV-WRFO-BA 49WDBB-AVVOWW (BACK BOX)	7125-0026:0371
BEAM DETECTOR EMITTER BEAM DETECTOR IMAGER	EM IM	WALL	4098-9019	7260-0026:0377
LINEAR HEAT DETECTOR	IM —LD—	CEILING	PROTECTO-WIRE HPHSC-190-EPR	7270-0854:0101

FIRE ALARM EQUIPMENT SCHEDULE

D
E-020

FIRE ALARM SYSTEM DESCRIPTION

THE FIRE ALARM SYSTEM IS A FULLY AUTOMATIC SYSTEM. THE SYSTEM IS SUPERVISED BY AN OFF-SITE UL LISTED CENTRAL MONITORING STATION, PER NFPA 72. THERE IS ONE MAIN FIRE ALARM CONTROL PANEL AT LOWER BUILDING LEVEL. ANY INITIATING DEVICE ACTIVATED WILL ACTIVATE THE NOTIFICATION DEVICES. FOR TESTING PURPOSES AND FIRE DRILLS, A MANUAL PULL STATION WILL BE LOCATED IN THE ADMINISTRATION AREA AT THE MAIN ENTRY DESK.

A VOICE EVACUATION FEATURE HAS BEEN PROVIDED TO ALL AREAS OF THE CAMPUS AS WELL AS VISUAL DEVICES WHERE REQUIRED BY CODE.

FIRE ALARM SYSTEM NOTES

1. THE FIRE ALARM SYSTEM SHOWN ON THESE DRAWINGS SHALL BE USED FOR CONSTRUCTION.

   APPLICABLE CODE FOR FIRE ALARM:
   2016 CALIFORNIA BUILDING CODE, TITLE 24 PART 2
   2016 CALIFORNIA ELECTRICAL CODE, TITLE 24 PART 3
   2016 NFPA 72 WITH CSFM AMENDMENTS
   2016 CALIFORNIA FIRE CODE, TITLE 24 PART 9.
2. AUDIBLE DEVICES SHALL BE SIMILAR TO WHAT IS EXISTING ON CAMPUS. AUDIBILITY SHALL BE A MINIMUM OF 15 DB ABOVE AMBIENT NOISE, BUT NOT LESS THAN 75 DB AT 10'-0"
3. THESE DRAWINGS SHALL SERVE AS SHOP DRAWINGS OF THE FIRE ALARM SYSTEM AND HAVE BEEN SUBMITTED TO THE DSA-ORS FOR REVIEW AND APPROVAL.
4. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLANS, ARE FOR CONSTRUCTION.
5. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION.
6. THE FOLLOWING INFORMATION IS INCLUDED IN THESE PLANS.
   a. IDENTIFICATION OF TYPE OF WIRING USED
   b. FLOOR PLAN SHOWING NEW FIRE ALARM DEVICES.
   c. RISER DIAGRAM AND POINT TO POINT DIAGRAM
   d. CSFM LISTING SHEET SHOWING EXP. DATE FOR ALL COMPONENTS
   e. MFR'S SPEC SHEET ON ALL FIRE ALARM EQUIPMENT
   f. BATTERY AND VOLTAGE DROP CALCULATIONS FOR EACH PANEL WITH A BATTERY
   g. SYMBOLS OF ALL FIRE ALARM DEVICES INSTALLED
   h. ELEVATION DETAIL OF MANUAL STATION, STROBES, SPEAKER/STROBES, AND SPEAKERS
7. SYSTEM OPERATION MATRIX: EFFECT OF THE OPERATION OF EACH FIRE ALARM DEVICE IS SHOWN ON THESE PLANS.
8. FLASHING VISUAL WARNING DEVICES SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.
9. STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED.

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
ARA VARTANIANS
No. E013986
EXP. 6-30-20
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

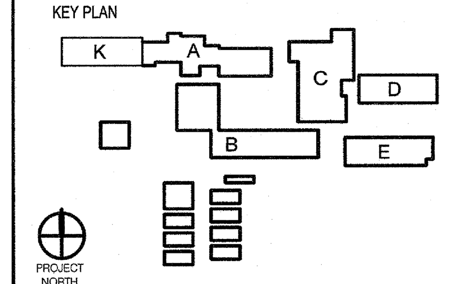
PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS ___ FLS ___ SSS ___
Date: DEC 2 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE
DSK JOB NO: 17012B
FIRE ALARM INFORMATION

SHEET NUMBER
E-020

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt

	4100es FACP (EXISTING)						
	Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
	Panel Equipment						
EXISTING	4100-9311	1	4100 CONFIG. DOMESTIC 120V	0.4250	0.4250	0.7350	0.7350
	4100-0622	1	DIGITAL AUDIO RISER MODULE	0.0700	0.0700	0.0700	0.0700
	4100-1241	1	MESSAGE EXPANSION BOARD – 8 MINUTES	0.0020	0.0020	0.0170	0.0170
	4100-1255	1	3-8 CHANNEL AUDIO OPERATOR INTERFACE	0.0000	0.0000	0.0240	0.0240
	4100-1288	1	64/64 LED/SWITCH CONTROLLER	0.0200	0.0200	0.0200	0.0200
	4100-1327	1	DIGITAL FLEX 50W AMP W/3 NACS – 70V	0.0850	0.0850	2.2700	2.2700
	4100-3110	1	IDNet2+2 MODULE – UP TO 250 DEVICES 4 ISOLATED LOOPS	0.0500	0.0500	0.1000	0.1000
	4100-5101	1	EXPANSION PWR SUPPLY (XPS) – 120VAC 60HZ	0.0500	0.0500	0.0500	0.0500
	4100-6038	1	DUAL RS-232 IF CARD	0.1320	0.1320	0.1320	0.1320
	4100-6069	1	BACPAC ETHERNET MODULE	0.1230	0.1230	0.1230	0.1230
	4100-6079	1	SAFELINC INTERNET INTRFACE	0.1450	0.1450	0.1450	0.1450
	4100-9621	1	BASIC AUDIO WITH MICROPHONE – DIGITAL	0.0750	0.0750	0.0820	0.0820
	4100-5325	1	ENHANCED POWER SUPPLY, 3 CHANNELS, 120V	0.1250	0.1250	0.2200	0.2200
	4009-9601	1	IDNAC REPEATER 120V PLATINUM UL/ULC	0.0700	0.0700	0.0960	0.0960
	IDNet Addressable Devices (SLC)						
REVISED	4099-9004	3	ADDRESSABLE SINGLE ACTION MANUAL STATION	0.0008	0.0024	0.0010	0.0030
	4090-9001	2	IDNET SUPERVISED IAM	0.0008	0.0016	0.0010	0.0020
	4090-9002	4	IDNET RELAY IAM	0.0008	0.0032	0.0010	0.0040
	4098-9714	173	TRUEALARM PHOTO SMOKE SENSOR	0.0008	0.1384	0.0010	0.173
	4098-9733	39	TRUEALARM HEAT SENSOR	0.0008	0.0312	0.0010	0.039
	4098-9792	211	TRUEALARM SENSOR BASE	0.0008	0.1688	0.0010	0.211
	Notification Appliances			Setting			
EXISTING	4009-9601	1	IDNAC REPEATER 120V PLATINUM UL/ULC		0.0032	0.0032	0.0032	0.0032
EXISTING	4905-9816	1	TRUEALERT ADAPTER, ADDRESSABLE		0.0004	0.0004	0.1500	0.1500
EXISTING	4905-9816	1	TRUEALERT ADAPTER, ADDRESSABLE		0.0004	0.0004	0.1500	0.1500
REVISED	4906-9204	41	ADDRESSABLE CEILING MNT MC V/O, RED	15	0.0008	0.0328	0.0500	2.05
	4906-9204	14	ADDRESSABLE CEILING MNT MC V/O, RED	30	0.0008	0.0112	0.0750	1.05
	4906-9204	21	ADDRESSABLE CEILING MNT MC V/O, RED	75	0.0008	0.0168	0.1370	2.877
	4906-9204	9	ADDRESSABLE CEILING MNT MC V/O, RED	110	0.0008	0.0072	0.1900	7.11
	4906-9254	34	ADDRESSABLE CEILING MNT S/O 25V/70VRMS RED	.25W	0.0008	0.0272	0.0104	0.3536
	4906-9254	2	ADDRESSABLE CEILING MNT S/O 25V/70VRMS RED	.5W	0.0008	0.0016	0.0288	0.0576
	4906-9254	36	ADDRESSABLE CEILING MNT S/O 25V/70VRMS RED	1W	0.0008	0.0288	0.0416	1.4976
	4906-9254	20	ADDRESSABLE CEILING MNT S/O 25V/70VRMS RED	2W	0.0008	0.016	0.0833	1.666
				System Totals*:	Standby	1.8634	Alarm	15.017

X 24 HRS — X 15 MIN

Standby 44.7216 — Alarm 3.754

Standby + Alarm 48.4756

X 1.25

TOTAL REQUIRED 60.5945

70AH BATTERY REQUIRED – INSTALL NEW BATTERIES. BATTERIES SHALL INCLUDE INSTALLATION & DATE OF MANUFACTURE

AUDIBLE CIRCUIT VOLTAGE DROP CALCULATION

POWER SUPPLY	LOCATION	CIRCUIT NUMBER	QUANTITY OF SPEAKERS				SUPPLY VOLTAGE	TOTAL ALARM CURRENT	WIRE SIZE	TOTAL LENGTH	VOLTAGE DROP
			.25W	.5W	1W	2W	(VOLTS)	(AMPS)	(AWG)	(FEET)	(%)
MAIN	E-203	5A	7	3	5	1	24	0.4054	12	475	2.7
MAIN	E-201	6A	4	–	–	1	24	0.12407	12	210	0.375
MAIN	E-202	7A	1	–	3	2	24	0.3018	12	465	1.94
MAIN	E-202	8A	4	–	4	2	24	0.3746	12	585	3.0
MAIN	E-203	9A	4	–	1	3	24	0.3331	12	495	2.27

VISUAL CIRCUIT VOLTAGE DROP CALCULATION

POWER SUPPLY	LOCATION	CIRCUIT NUMBER	QUANTITY OF VISUALS				SUPPLY VOLTAGE	TOTAL ALARM CURRENT	WIRE SIZE	TOTAL LENGTH	VOLTAGE DROP
			15cd	30cd	75cd	110cd	(VOLTS)	(AMPS)	(AWG)	(FEET)	(%)
MAIN	E-303	6V	2	2	3	1	24	1.633	12	530	7.5
MAIN	E-201	8V	4	–	–	–	24	0.20	12	210	0.58
MAIN	E-201	9V	–	–	–	4	24	0.76	12	347	3.6
MAIN	E-202	10V	4	–	–	4	24	0.96	12	530	7.0
MAIN	E-202	11V	4	–	–	1	24	0.39	12	430	2.3

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.9418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER — JOHN VARTANIAN — No. EC13986 — STATE OF CALIFORNIA

CONSULTANT

18166.MOD
TURPIN & RATTAN ENGINEERS, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1923
818 / 249 / 2444 FAX 249 / 1467

PROJECT NAME

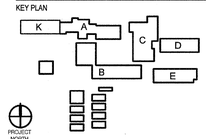
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACK: FS: SSS:
Date: DEC 7 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

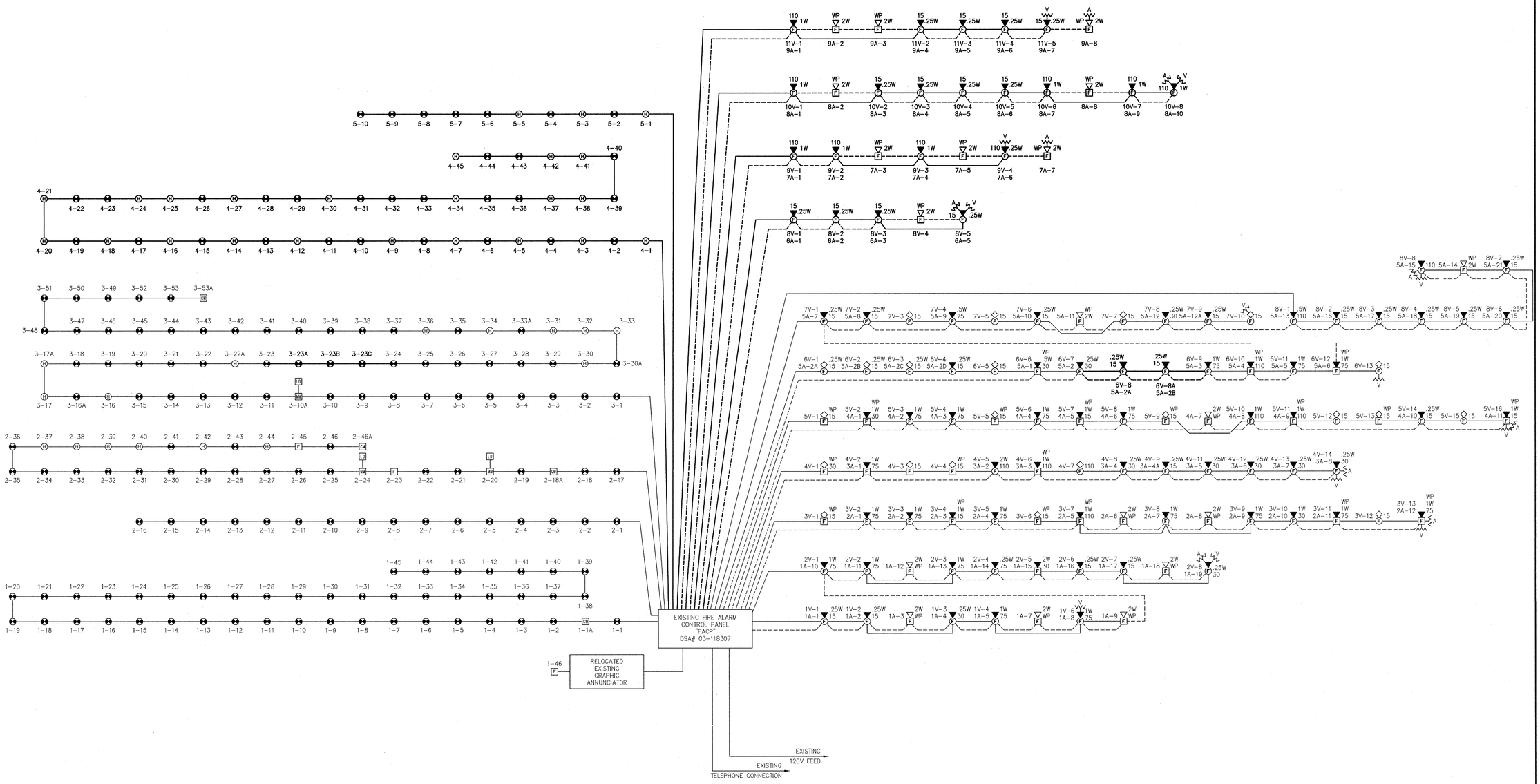
FIRE ALARM CALCULATIONS

SHEET NUMBER

E-021

DRAFTER: RK — PM: JK — REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



FIRE ALARM RISER DIAGRAM

NO SCALE

SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
KIM VARTANIAN
No. E053856
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

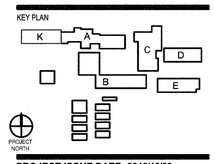
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS FLG. SSS
DSA DEC 2 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

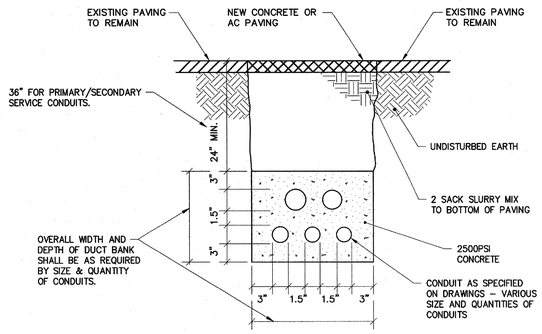
FIRE ALARM RISER DIAGRAM

SHEET NUMBER

E-022

DRAFTER: RK — PM: JK — REVIEWER: KK

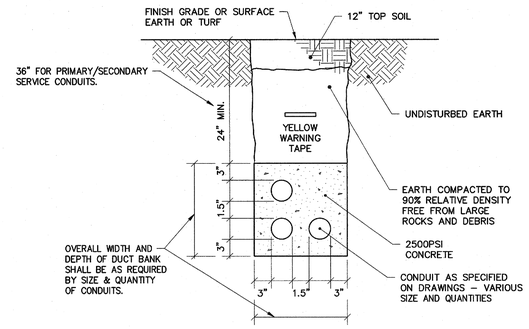
dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



UNDERGROUND CONDUIT DETAIL AT PAVED AREAS

(A / E-030)

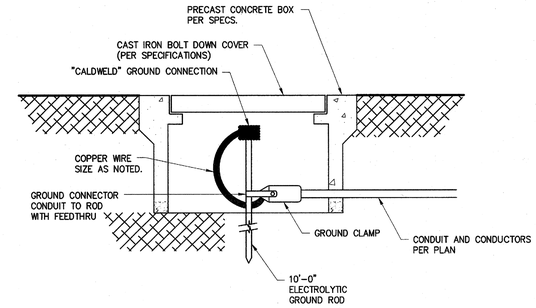
NO SCALE



UNDERGROUND CONDUIT DETAIL AT UNPAVED AREAS

(B / E-030)

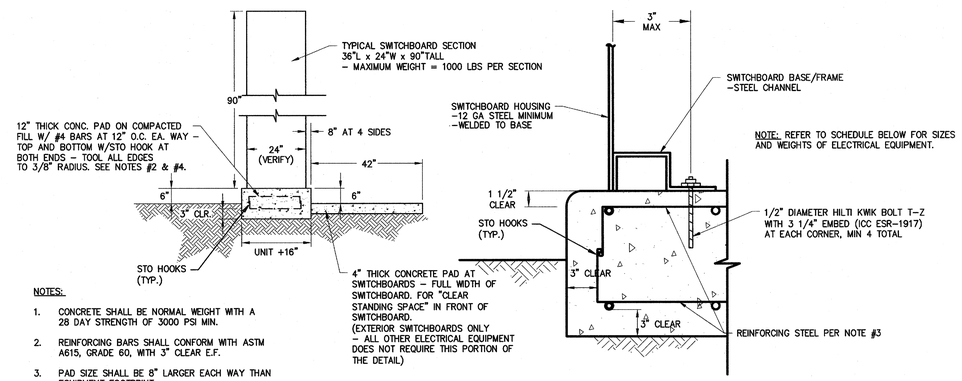
NO SCALE



GROUND ROD DETAIL

(E / E-030)

NO SCALE



NOTE: REFER TO SCHEDULE BELOW FOR SIZES AND WEIGHTS OF ELECTRICAL EQUIPMENT.

NOTES:

1. CONCRETE SHALL BE NORMAL WEIGHT WITH A 28 DAY STRENGTH OF 3000 PSI MIN.
2. REINFORCING BARS SHALL CONFORM WITH ASTM A615, GRADE 60, WITH 3" CLEAR E.F.
3. PAD SIZE SHALL BE 8" LARGER EACH WAY THAN EQUIPMENT FOOTPRINT.
4. VERIFY LOCATION OF (E) FOOTINGS AND ALL UNDERGROUND UTILITIES PRIOR TO LOCATING AND PLACING CONC. PAD.

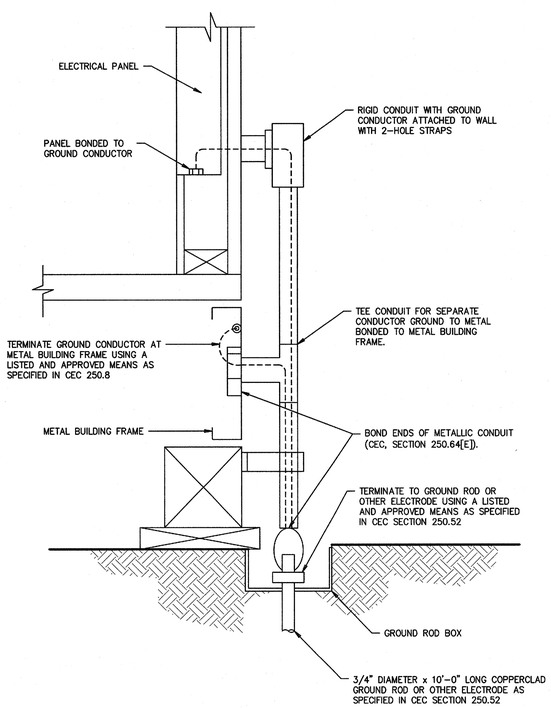
TYPICAL CORNER OF PAD

ELECTRICAL EQUIPMENT - CONCRETE PAD DETAIL

(D / E-030)

NO SCALE

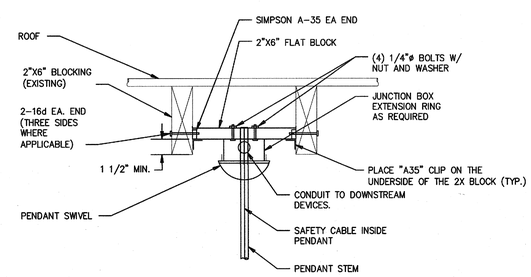
NOTE: REFER TO STRUCTURAL CALCULATIONS



GROUNDING OF BUILDING FABRICATED OFF SITE

(C / E-030)

NO SCALE



PENDANT FIXTURE - FEED END MOUNTING DETAIL

(F / E-030)

NO SCALE

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2283

REGISTERED PROFESSIONAL ENGINEER — JAY VARTANIAN — No. E013966 — EXP. 12-31-20 — STATE OF CALIFORNIA

CONSULTANT

18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1923
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

POINT DUME E.S. TEMPORARY HOUSING PROJECT

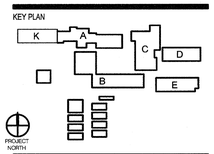
FACILITY INFO

POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS FLS RK SSS
Date: DEC 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

ELECTRICAL DETAILS

SHEET NUMBER

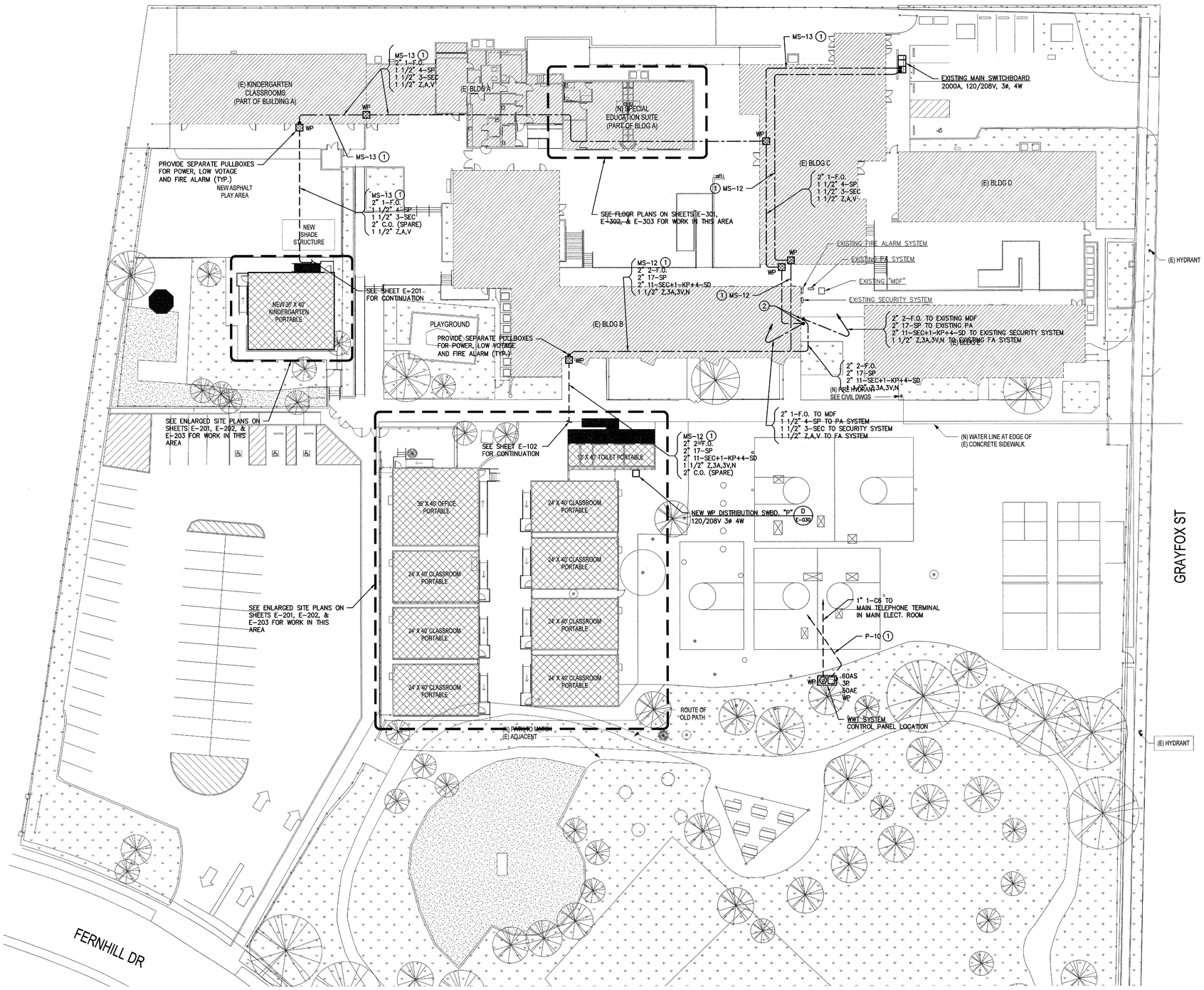
E-030

DRAFTER: RK — PM: JK — REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt

SPECIAL NOTES - THIS SHEET ONLY

1. SEE SINGLE LINE DIAGRAM,
2. DOWN TO ELECTRICAL ROOM.



OVERALL SITE PLAN - ELECTRICAL

SCALE: 1"=20'-0"

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
ARAM VARTANIAN
No. E013986
Exp. 12-31-19
STATE OF CALIFORNIA

CONSULTANT
18166.MOD
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 2444 FAX 249 / 1467

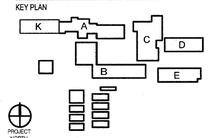
PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACK. FLS SSS
Date: DEC 2 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

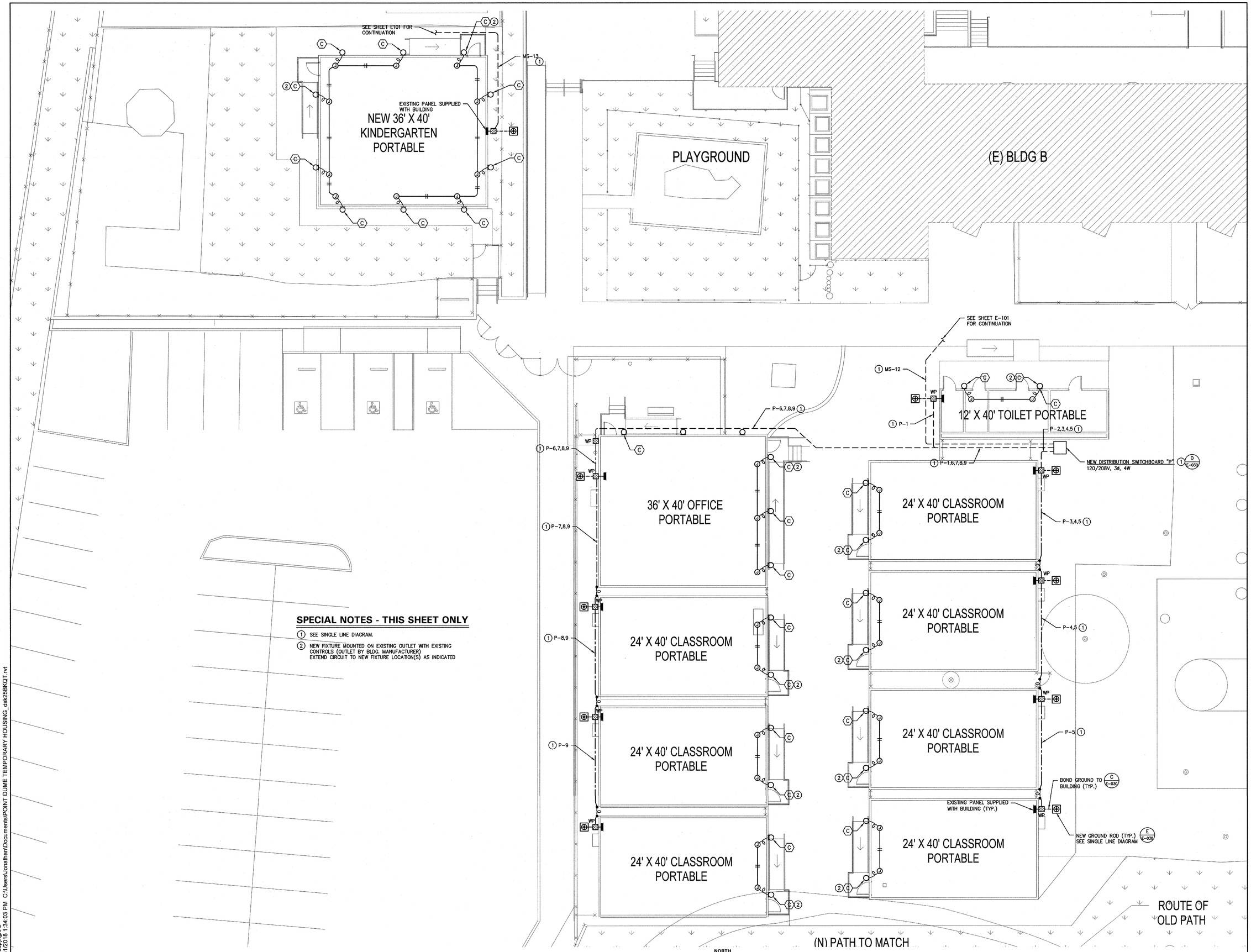
SHEET TITLE
OVERALL SITE PLAN - ELECTRICAL

DSK JOB NO: 17012B

SHEET NUMBER
E-101

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on: 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25RKQT.rvt



SPECIAL NOTES - THIS SHEET ONLY

1. SEE SINGLE LINE DIAGRAM.
2. NEW FIXTURE MOUNTED ON EXISTING OUTLET WITH EXISTING CONTROLS (OUTLET BY BLDG. MANUFACTURER) EXTEND CIRCUIT TO NEW FIXTURE LOCATION(S) AS INDICATED

PARTIAL SITE PLAN - ELECTRICAL

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

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.0418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER ARAM VARTANIAN No. C013986 STATE OF CALIFORNIA

CONSULTANT

18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6855 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS PLS SSS
Date DEC 2 1 2018

KEY PLAN

K A C D B E

PROJECT NORTH

PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

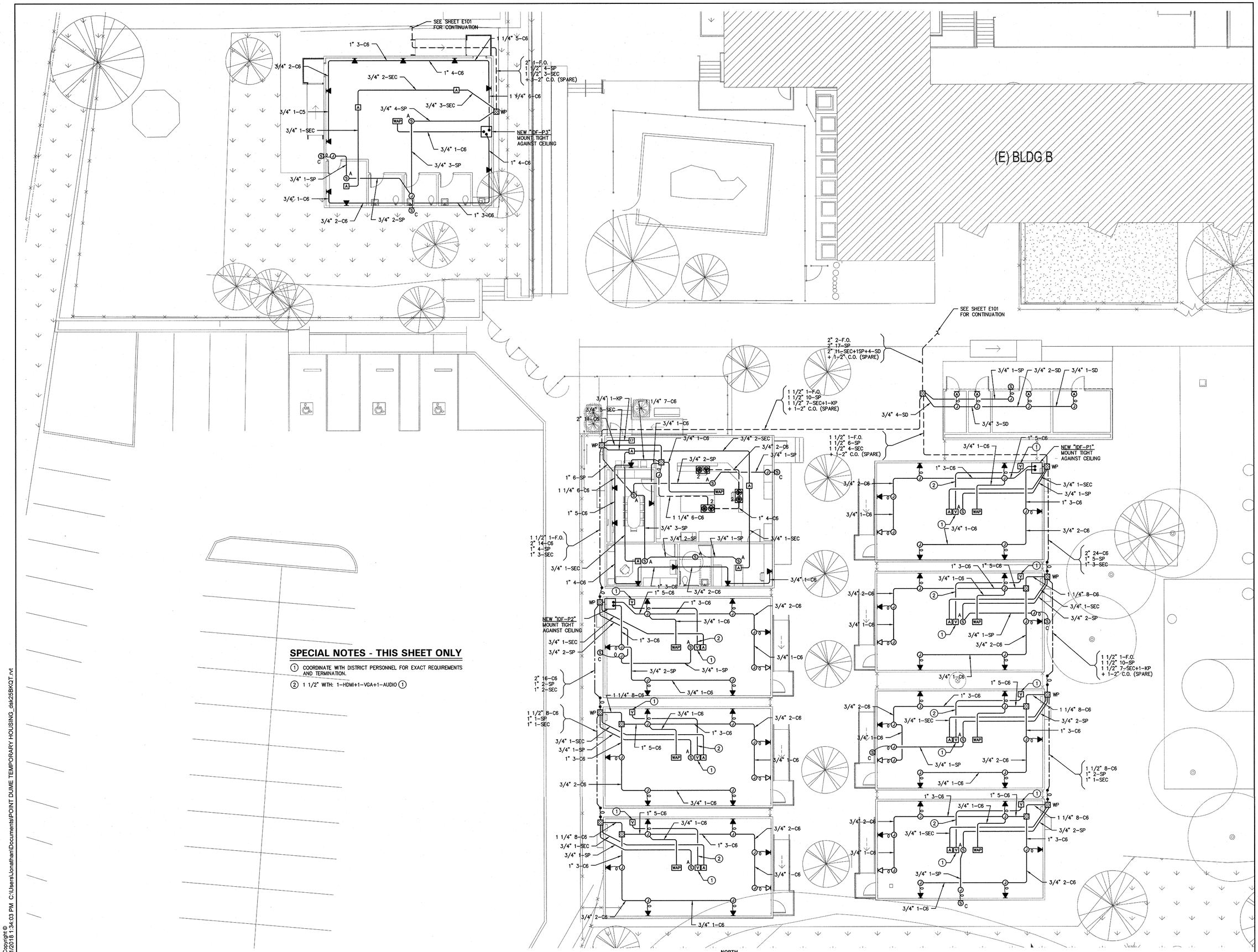
SHEET TITLE
PARTIAL SITE PLAN - POWER

DSK JOB NO: 17012B

SHEET NUMBER
E-201

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



SPECIAL NOTES - THIS SHEET ONLY

1. COORDINATE WITH DISTRICT PERSONNEL FOR EXACT REQUIREMENTS AND TERMINATION.
2. 1 1/2" WITH: 1-HDMI+1-VGA+1-AUDIO (1)

PARTIAL SITE PLAN - ELECTRICAL

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

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.5418 | Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
KIM VARTANIAN
No. E013966
Exp. 12-31-20
STATE OF CALIFORNIA

CONSULTANT

18166.MOD
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

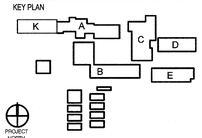
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
JCS RLS TC SSS
Date: DEC. 2 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE
DSK JOB NO: 17012B

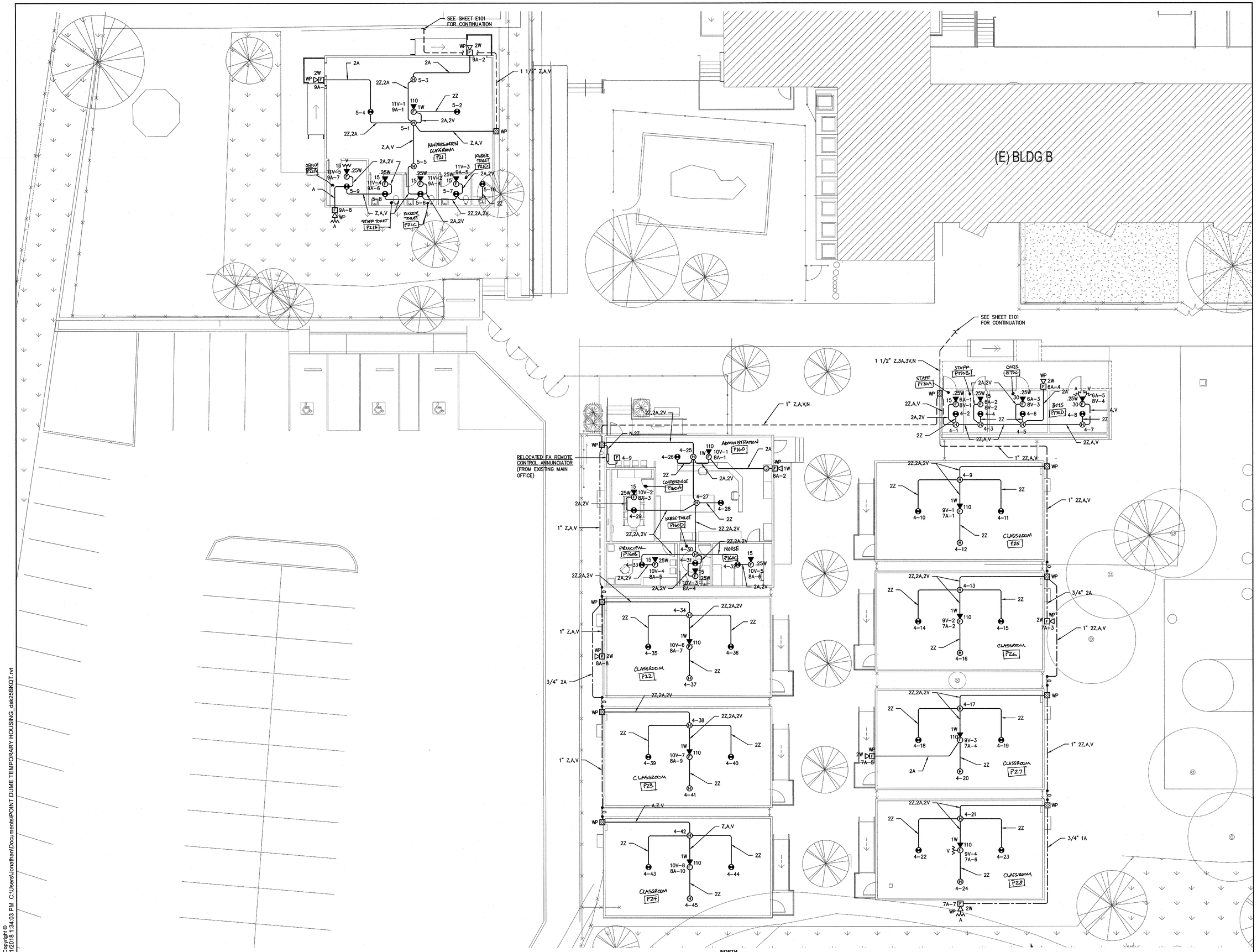
PARTIAL SITE PLAN - SIGNAL

SHEET NUMBER

E-202

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on: 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



PARTIAL SITE PLAN - ELECTRICAL

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

NORTH

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER — ANTHONY VARTANIAN — No. EC13986 — Expiration Date: 12-31-20 — STATE OF CALIFORNIA

CONSULTANT

18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
3441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1822
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

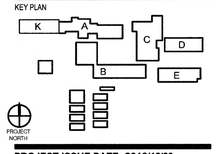
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
DATE: DEC 12 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

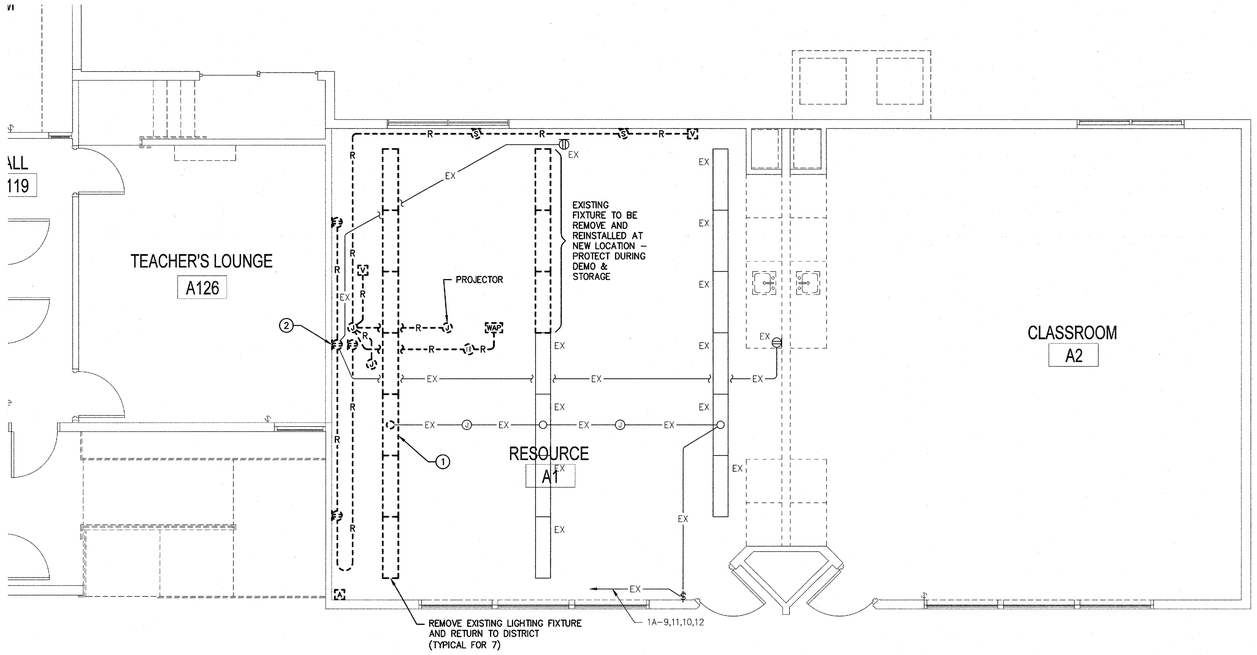
PARTIAL SITE PLAN - FIRE ALARM

SHEET NUMBER

E-203

DRAFTER: RK — PM: JK — REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



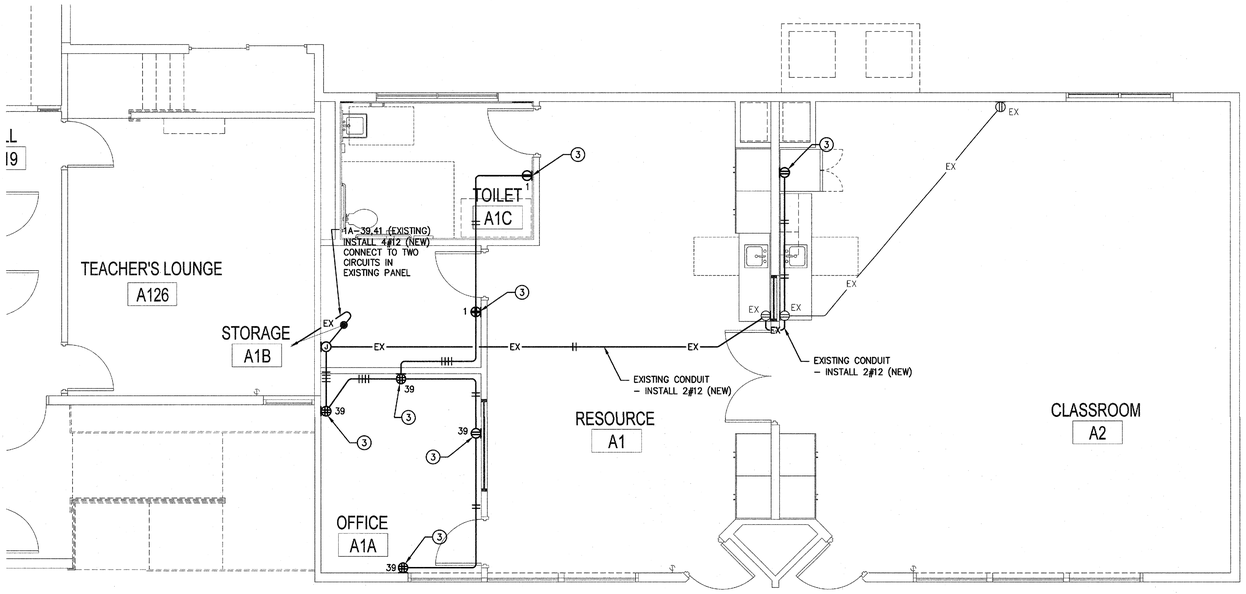
BUILDING A PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION

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

NORTH

SPECIAL NOTES - THIS SHEET ONLY

1. EXISTING JUNCTION BOX TO REMAIN.
2. EXISTING RECEPTACLE – REMOVE DEVICE AND CONVERT TO JUNCTION BOX. JUNCTION BOX TO REMAIN.
3. CIRCUIT NUMBER FOR DESIGNATION ONLY – ACTUAL NUMBER TO BE DETERMINED IN THE FIELD AND INDICATED ON AS-BUILT DRAWINGS.



BUILDING A PARTIAL FLOOR PLAN - POWER

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

NORTH

SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.0418 / Fax 415.839.7594
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
ALI VARTANIAN
No. EE13986
Exp. 06-30-20
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

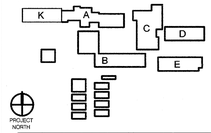
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACL FLS SSS
Date: DEC. 2, 2019

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

BUILDING A FLOOR PLANS - POWER & ELEC. DEMOLITION

SHEET NUMBER

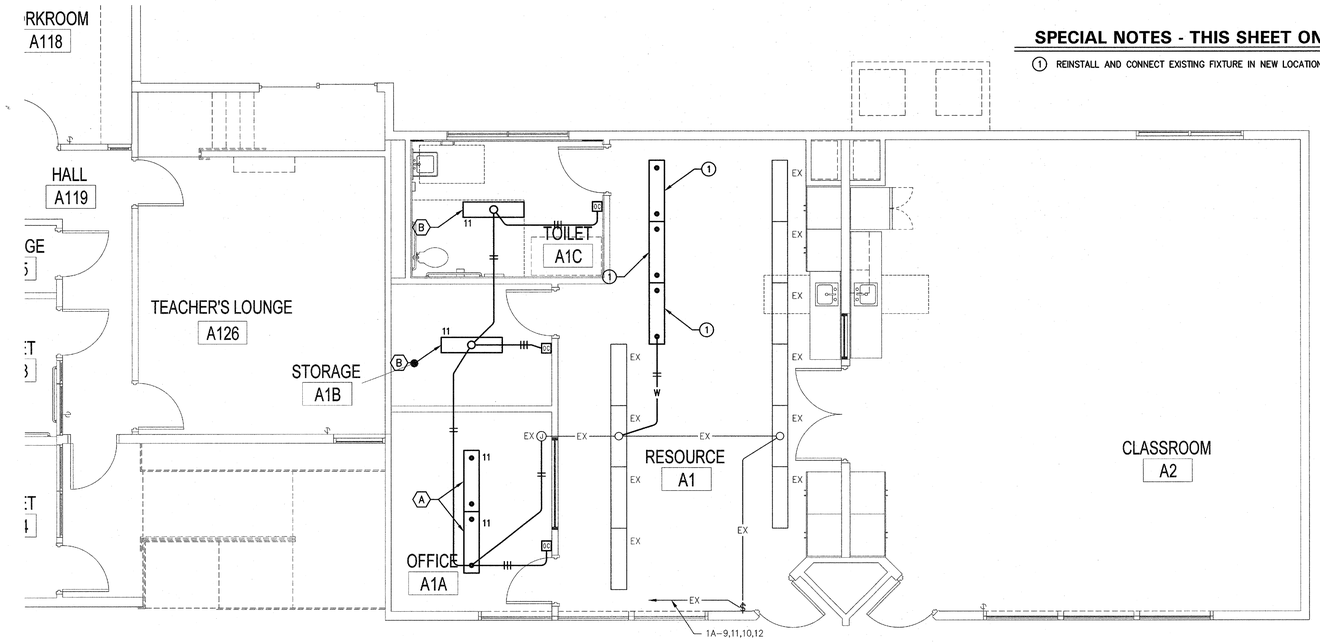
E-301

DRAFTER: RK — PM: JK — REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\JonathanI\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt

SPECIAL NOTES - THIS SHEET ONLY

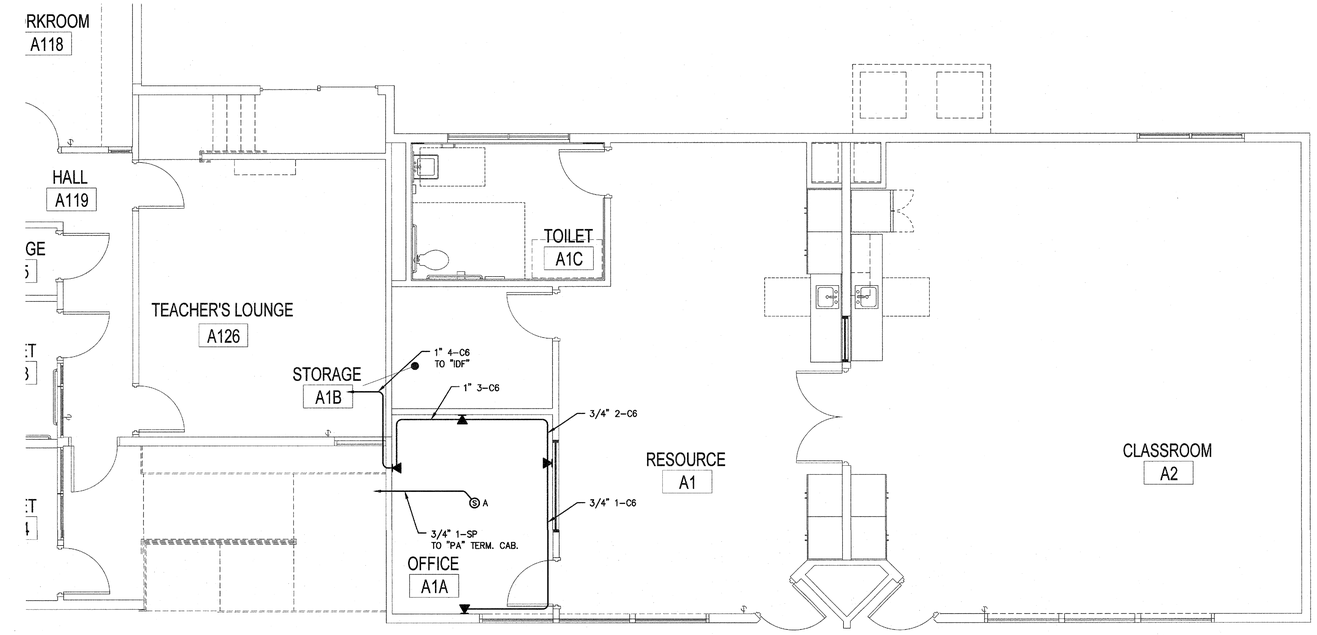
(1) REINSTALL AND CONNECT EXISTING FIXTURE IN NEW LOCATION. (F/E-030)



BUILDING A PARTIAL FLOOR PLAN - LIGHTING

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

NORTH



BUILDING A PARTIAL FLOOR PLAN - SIGNAL

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

NORTH

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ARCHITECT
FARR VARTANIAN
No. E013986
STATE OF CALIFORNIA

CONSULTANT

18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1833
818 / 249 / 0444 FAX 249 / 1467

PROJECT NAME

POINT DUME E.S. TEMPORARY HOUSING PROJECT

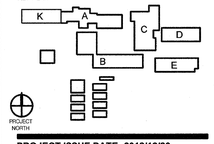
FACILITY INFO

POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS. PLS. SSS
Date: NOV 1 2018

KEY PLAN



PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE — DSK JOB NO: 170128

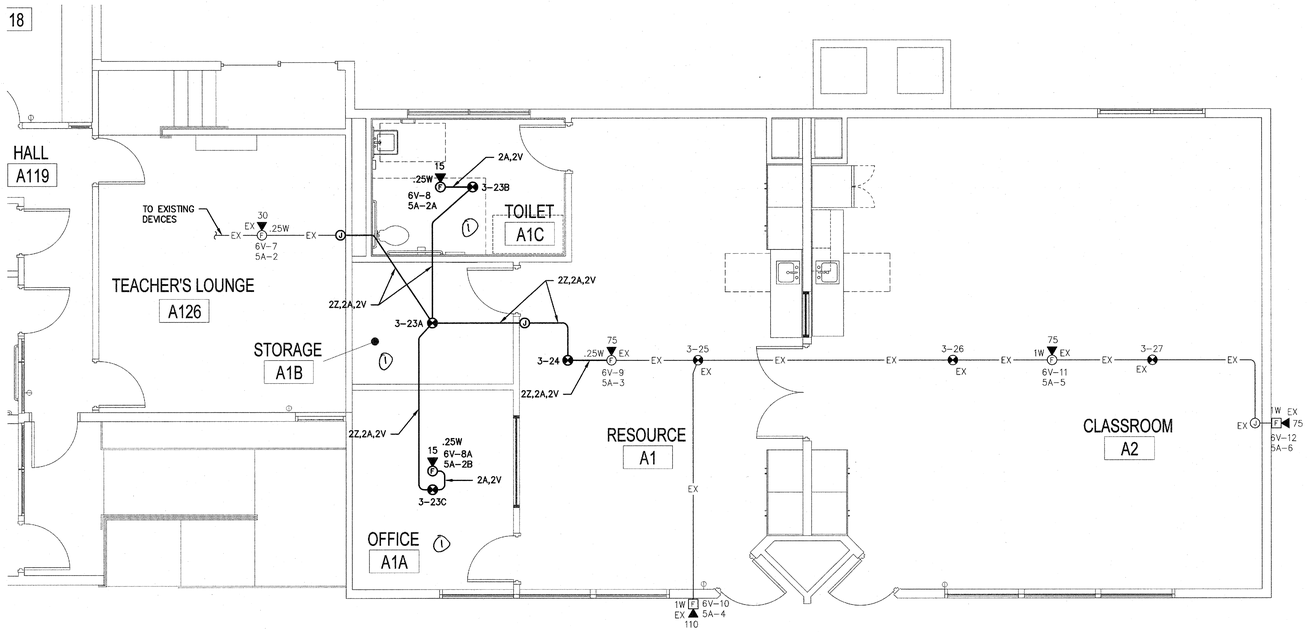
BUILDING A FLOOR PLANS - LIGHTING & SIGNAL

SHEET NUMBER

E-302

DRAFTER: RK — PM: JK — REVIEWER: KK

dsk architects Copyright ©
Plotted on 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt



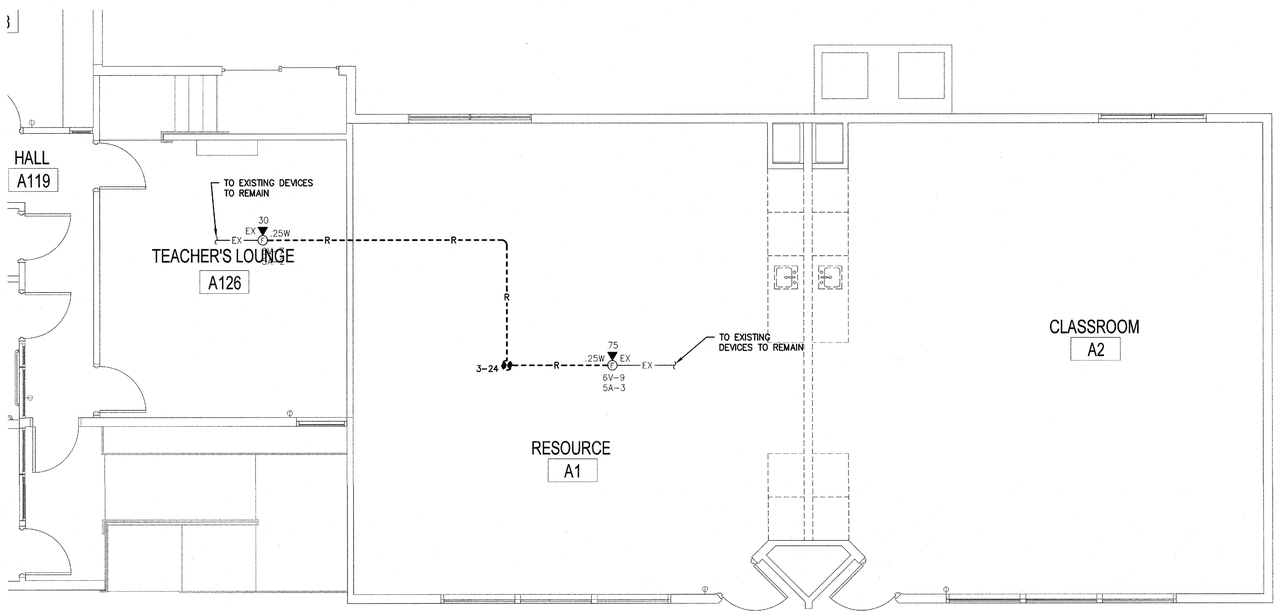
KEYNOTE

1 NO ATTIC SPACE, NO HEAT DETECTION REQUIRED PER NFPA 72.

BUILDING A PARTIAL FLOOR PLAN - FIRE ALARM

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

NORTH



BUILDING A PARTIAL FLOOR PLAN - FIRE ALARM DEMOLITION

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

NORTH

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405
310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103
415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025
310.254.2263

REGISTERED PROFESSIONAL ENGINEER
No. E013986
STATE OF CALIFORNIA

CONSULTANT
18166.M00
TURPIN & RATTAN ENGINEERING, INC.
CONSULTING ENGINEERS
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1833
818 / 249 / 5444 FAX 249 / 1467

PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS
DATE DEC 7 1 2018

KEY PLAN
K A C D B E
PROJECT NORTH

PROJECT ISSUE DATE: 2018/12/20

DATE	NO.	REVISIONS
2018/12/20		DSA BACKCHECK

SHEET TITLE
BUILDING A FLOOR PLANS - FIRE ALARM

DSK JOB NO: 170128

SHEET NUMBER
E-303

DRAFTER: RK PM: JK REVIEWER: KK

dsk architects Copyright ©
Plotted on: 7/31/2018 1:34:03 PM C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_dsk25BKQT.rvt