

SYMBOL LISTS

—EN— EXISTING CONDUIT RUN WITH NEW CONDUCTORS. REFER TO PLANS FOR WIRING REQUIREMENTS.

—E— EXISTING CONDUIT RUN TO REMAIN. EXISTING CONDUCTORS TO REMAIN UNLESS NOTED OTHERWISE ON DRAWINGS.

—R— EXISTING CONDUIT AND WIRE RUN TO BE COMPLETELY DISCONNECTED AND REMOVED BACK TO LAST REMAINING OUTLET OR DEVICE.

— CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOORS.

----- CONDUIT RUN EXPOSED.

— CONDUIT RUN UNDERGROUND.

— CONDUIT STUBBED OUT AND CAPPED. PULL LINE IN PLACE.

AIC "AMPERES INTERRUPTING CAPACITY"

CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN. TWO #12 AND ONE #12 GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250-95, BUT NOT SMALLER THAN #12. EXAMPLE: #10 AWG

B-1,3 CONDUIT HOMERUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.

— SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.

— RECESSED BRANCH CIRCUIT PANELBOARD.

— PANEL DESIGNATION.

— RECESSED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.

— SURFACE MOUNTED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.

— JUNCTION BOX IN ACCESSIBLE CEILING SPACE OR FLUSH IN WALL WITH BLANK COVER PLATE TO MATCH DEVICE PLATES.

— THREE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER MOTOR. NUMERAL IN PLACE OF "M" INDICATES HORSEPOWER.

— MOLDED CASE CIRCUIT BREAKER. "AF" INDICATES AMPERE FRAME. "AT" INDICATES AMPERE TRIP RATING AND NUMBER OF POLES AS INDICATED. SUBSCRIPT INDICATES TYPE.

— VOLTAGE TRANSFORMER. FLOOR MOUNTD, COPPER WOUND, DRY TYPE UNLESS SPECIFIED OTHERWISE.

— GROUND, "GRD".

GFI "GROUND FAULT INTERRUPTER"

— CEILING LIGHT FIXTURE AND OUTLET, HID, FLUORESCENT, OR INCANDESCENT. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED SYMBOL INDICATES FIXTURE WITH EMERGENCY POWER PROVISIONS.

— FLUORESCENT LIGHT FIXTURE OUTLET. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.

— BRACKET OR WALL MOUNTED LIGHT FIXTURE AND OUTLET, HID, FLUORESCENT OR INCANDESCENT. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.

— ILLUMINATED EXIT LIGHT FIXTURE. SIDE, BACK, CEILING, OR PENDANT MOUNTED, SINGLE OR DOUBLE FACED AS NOTED BY SHADED ARC, WITH OR WITHOUT DIRECTIONAL ARROW AS NOTED ON THE DRAWINGS. NOT TO BE USED AS JUNCTION BOX OR "THROUGH-WIRE" DEVICE.

— LL LOW LEVEL ILLUMINATED EXIT LIGHT FIXTURE.

— LIGHTING FIXTURE IDENTIFICATION SYMBOL. LETTER INDICATES FIXTURE TYPE. NUMERALS IN LOWER HALF OF HEXAGON INDICATE FIXTURE WATTAGE (INCLUDING BALLAST WHERE APPLICABLE). NUMERAL OUTSIDE TOP OF HEXAGON INDICATES NUMBER OF FIXTURES REQUIRED. NUMERAL OUTSIDE BOTTOM OF HEXAGON INDICATES MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF FIXTURE. OMISSION OF MOUNTING HEIGHT INDICATES CEILING MOUNTING.

— WALL MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR. MOUNT AT + 48 INCHES.

— OCCUPANCY SENSOR COMPLETE WITH ALL POWER SUPPLIES, RELAY PACKS AND CONNECTIONS. REFER TO SPECIFICATIONS FOR TYPE AND DESCRIPTION.

SWITCH. LOWER CASE LETTER AT BOTTOM INDICATES OUTLETS CONTROLLED. CAPITAL SUPERSCRIPIT INDICATES SWITCH TYPE. MOUNT AT 48" A.F.F.

NO SUPERSCRIPIT — SINGLE POLE SWITCH

2 — DOUBLE POLE

3 — THREE WAY

4 — FOUR WAY

I — ILLUMINATED HANDLE

K — KEYSWITCH

LC — LOCKABLE COVER

M — MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION

MC — MOMENTARY CONTACT

P — PILOT LIGHT

PR — PRESS TYPE

TP — THREE POSITION

T — TIMER, 0-6 HR ROTARY OR AS NOTED

— C DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. "C" INDICATES CEILING MOUNT. — +18" A.F.F. OR U.N.O.

— C DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT. — +18" A.F.F. OR U.N.O.

— C DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. — +18" A.F.F. OR U.N.O.

— C DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT. — +18" A.F.F. OR U.N.O.

— C DUPLEX TRANSIENT VOLTAGE SURGE SUPPRESSOR RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. — +18" A.F.F. OR U.N.O.

— C DUPLEX TRANSIENT VOLTAGE SURGE SUPPRESSOR RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECT TO EMERGENCY CIRCUIT. — +18" A.F.F. OR U.N.O.

— C TWO DUPLEX GROUNDING TYPE RECEPTACLES IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. — +18" A.F.F. OR U.N.O.

— C TWO DUPLEX GROUNDING TYPE RECEPTACLES IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT. — +18" A.F.F. OR U.N.O.

— C FLUSH FLOOR MOUNTED DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.

— C FLUSH FLOOR MOUNTED DUPLEX GF/GI TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.

— C FLUSH FLOOR MOUNTED DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE CONNECTED TO EMERGENCY CIRCUIT.

— C SPECIAL PURPOSE OUTLET MOUNTED IN FLUSH WALL BOX. LETTER INDICATES TYPE.

100AS □ NON-FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING.

100AS □ FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING. "AFU" INDICATES FUSE AMPERE RATING.

— C SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER MOTOR.

— T THERMOSTAT OUTLET. MOUNT AT +48 INCHES UNLESS OTHERWISE NOTED.

— T TRANSFORMER, PRIMARY & SECONDARY VOLTAGE AND KVA RATING AS NOTED. TYPE AND CONFIGURATION AS SPECIFIED. PROVIDE DRY TYPE, COPPER WOUND, WALL OR BOX MOUNTED UNLESS NOTED OTHERWISE.

— WM SURFACE NON-METALLIC RACEWAY FOR POWER AND SIGNAL SYSTEM ROUTING.

— TELEPHONE TERMINAL BACKBOARD "TTB". 3/4 INCH SANDED AND PAINTED GPX PLYWOOD, 4' X 8' UNLESS NOTED OTHERWISE.

— TELEPHONE OUTLET, FLUSH FLOOR MOUNTED. REFER TO SPECIFICATIONS.

— FLUSH FLOOR MOUNTED COMPUTER OUTLET.

— PEDESTAL TYPE FLOOR COMPUTER OUTLET.

— T TELEPHONE SYSTEM CONDUIT RUN 3/4" WITH (1) CAT-6 CABLE TO TERMINAL BLOCK LOCATED ON WALL ADJACENT TO DATA CABINET. RUN CABLE IN CEILING SPACE VIA CONDUIT TO TELEPHONE BACKBOARD.

— D/T COMBINATION VOICE DATA CONDUIT. RUN 3/4" WITH (1) 4 PAIR CAT-6E (DATA), (1) 4 PAIR CAT-6 (VOICE).

— W TELEPHONE OUTLET. MOUNT AT +18 INCHES TO CENTER UNLESS OTHERWISE NOTED. "F" INDICATES FIREMAN'S PHONE OUTLET. PROVIDE ALL CONNECTIONS TO FIRE ALARM SYSTEM AND ELEVATOR CONTROLS PER MANUFACTURER'S REQUIREMENTS. "W" ADJACENT INDICATES WALL MOUNTED AT +54 INCHES TO CENTER. "2" DENOTES DUPLEX OUTLET. "P" DENOTES PUBLIC TELEPHONE OUTLET MOUNTED AT +48 INCHES. RUN 3/4" CONDUIT ONLY WITH PULL LINE TO TELEPHONE TERMINAL BACKBOARD.

— C COMPUTER SYSTEM CONDUIT RUN. 3/4" WITH (1) FOUR-PAIR CAT-6E CABLE TO DATA CABINET. STUB CONDUIT IN CEILING SPACE AND RUN CABLES IN CEILING SPACE TO DATA CABINET VIA CONDUIT.

— DX COMPUTER SYSTEM CONDUIT RUN. 3/4" WITH (X) FOUR-PAIR CAT-6E CABLE TO DATA CABINET. STUB CONDUIT IN CEILING SPACE AND RUN CABLES IN CEILING SPACE TO DATA CABINET VIA CONDUIT.

— C DUPLEX OUTLET WITH 2 DATA DROPS, MOUNT AT +18 INCHES TO CENTER UNLESS OTHERWISE NOTED.

— C COMBINATION VOICE/DATA OUTLET WITH 2 DATA DROPS AND 1 VOICE DROP. 4S BOX WITH 2 GANG RING AND PLATE. ENGRAVE PLATE "VOICE" AND "DATA" OVER RESPECTIVE JACKS. VERIFY TYPE OF JACK WITH SYSTEM SUPPLIER.

— C FLUSH WALL MOUNTED SINGLE FACE CLOCK. MOUNT AT +90 INCHES UNLESS INDICATED OTHERWISE ON DRAWINGS. BATTERY POWERED, REFER TO SPECIFICATIONS.

— P PAGING SOUND SYSTEM CONDUIT RUN. 3/4 INCH CONDUIT WITH (1) #22G SHIELDED CABLE W/ VIOLET JACKET; THOMPSON CABLE #39F22V OR EQUAL TO TERMINAL CABINET. RUN CABLES IN CEILING SPACE TO TERMINAL CABINET VIA CONDUIT.

— C PV SPEAKER WITH PROPER MATCHING TRANSFORMER, BACKBOX AND GRILLE. "PV" INDICATES USE POLE VAULT SYSTEM PVS 400.

— C VOLUME CONTROL. MOUNT AT +48 INCHES UNLESS OTHERWISE NOTED.

— C WEATHERPROOF TYPE SPEAKER, BACKBOX AND GRILLE FLUSH MOUNTED. MOUNT AT +8"-0", U.N.O.

— SI SECURITY/INTRUSION SYSTEM CONDUIT RUN 3/4" CONDUIT NUMBER ADJACENT TO "SI" INDICATES NUMBER OF CABLES. RUN CABLES IN CEILING SPACE VIA CONDUIT TO TERMINAL CABINET. REFER TO SPECIFICATIONS FOR WIRING.

— MD MOTION SENSOR PVS 500 PIR-CEILING MOUNT.

— K DIGITAL KEY PAD FOR SECURITY SYSTEM. MOUNT AT +48 INCHES ON CENTER. REFER TO SPECIFICATIONS.

— EC PHOTOCCELL. SEE SPECIFICATIONS FOR REQUIREMENTS.

— CT CABLE TRAY SYSTEM LOCATED IN CEILING SPACE. SEE SPECIFICATIONS FOR REQUIREMENTS.

— SV 1" C. WITH "S-VIDEO" 75 OHM CABLE #1 (AMP PRODUCT OR EQUAL).

— SV 4-PIN S-VIDEO JACK. "M" ADJACENT INDICATES MALE JACK, "F" ADJACENT INDICATES FEMALE JACK "C" ADJACENT SYMBOL INDICATES CEILING MOUNTING OUTLET.

— TV MASTER ANTENNA TV SYSTEM CONDUIT AND CABLE. 3/4" MINIMUM. SEE SPECIFICATIONS AND RISER DIAGRAM.

— TY TV OUTLET 3/4" STUB UP TO CEILING ACCESS — +18" A.F.F. OR U.N.O.

— C COMPUTER OUTLET WITH 2 DATA DROPS, CEILING MOUNT.

— C PA SYSTEM EXTERIOR LOUD SPEAKER.

— L "L" INDICATES MULTI PURPOSE ROOM SOUND SYSTEM LOUD SPEAKER.

— DVD DVD OUTLET 3/4" STUB UP TO CEILING ACCESS — +18" A.F.F. OR U.N.O.

— RGB RGB OUTLET 3/4" STUB UP TO CEILING ACCESS — +18" A.F.F. OR U.N.O.

— AV AV CONTROLLER OUTLET 3/4" STUB UP TO CEILING ACCESS — +18" A.F.F. OR U.N.O.

— PVS AUDIO VISUAL SWITCHER-MOUNTED INSIDE CEILING.

— C SPECIAL CLOCK, SPEAKER AND INTERCOM PHONE CABINET.

— ELECTRO-MAGNETIC DOOR STRIKE PER ARCHITECT'S SPECIFICATIONS. COMPLETE WITH POWER AND CONTROL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS.

— PASSIVE INFRARED MOTION DETECTOR. REFER TO SPECIFICATIONS. MOUNT PER MANUFACTURER'S REQUIREMENTS.

— FD-SD FIRE/SMOKE DAMPER

ABBREVIATIONS

AF AMPERE FRAME RATING OF CIRCUIT BREAKERS

AFF ABOVE FINISHED FLOOR

AFU AMPERE FUSE RATING

AIC AMPS INTERRUPTING CAPACITY RATING (RMS SYMMETRICAL)

AM AMMETER

AMP.A AMPERES

APPR APPROVED

AS AMPERE SWITCH RATING

AT AMPERE TRIP RATING OF BREAKER

AUTO AUTOMATIC

AWG AMERICAN WIRE GAUGE

BKR BREAKER

C. CONDUIT

CAB CABINET

CKT CIRCUIT

C.O. CONDUIT ONLY

CT CURRENT TRANSFORMER

CU COPPER

DISC DISCONNECT

DISTR DISTRIBUTION

DWG DRAWING

EMERG EMERGENCY

ENCL ENCLOSURE

EQPT EQUIPMENT

EXH EXHAUST

EXH EXISTING

F FEEDER

FDR FINISHED FLOOR

FG FINISHED GRADE

FLEX FLEXIBLE

FLUOR FLUORESCENT

FUT FUTURE

GND GROUND

HTR HEATER

HZ HERTZ

INC INCANDESCENT

ISC SHORT CIRCUIT CURRENT

IDF INTERMEDIATE DISTRIBUTION FRAME

J.B. JUNCTION BOX

k THOUSAND (KILO)

kV KILOVOLTS

kW KILOWATTS

kVA KILOVOLT AMPERES

kVAR KILOVOLT AMPERES REACTIVE

kWH KILOWATT-HOURS

LT, LTS LIGHT, LIGHTS

LTG LIGHTING,

MA MILLIAMPS

MAN MANUAL

MAG MAGNETIC

MAX MAXIMUM

MCB MAIN CIRCUIT BREAKER

MCC MOTOR CONTROL CENTER

MCM THOUSAND CIRCULAR MILS

MCP MOTOR CIRCUIT PROTECTOR

MDF MAIN DISTRIBUTION FRAME

MIN MINUTES, MINIMUM

MT,MTD,MTG MOUNT, MOUNTED, MOUNTING

NO, NOS NUMBER, NUMBERS

NP NAMEPLATE

NTS NOT TO SCALE

OC ON CENTER

OL OVERLOAD

PA PUBLIC ADDRESS

PNL PANEL

PNLBD PANELBOARD

PWR POWER

REC RECEPTACLE

RECPTS RECEPTACLES

REQD REQUIRED

R REMOVE

SCH SCHEDULE

SCP SECURITY CONTROL PANEL

SEC SECONDS, SECONDARY

SECT SECTION

SHT SHEET

SIG SIGNAL

SPECS SPECIFICATIONS

STC SIGNAL TERMINAL CABINET

SW SWITCH

TSTAT THERMOSTAT

TYP TYPICAL

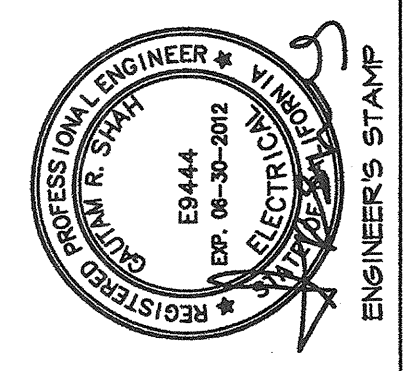
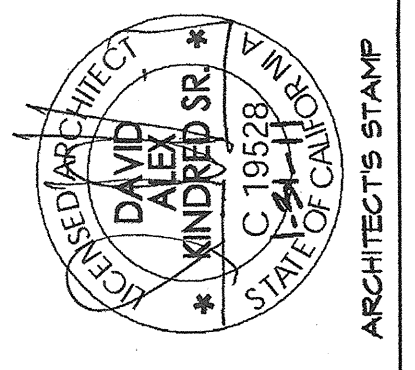
UNO UNLESS NOTED OTHERWISE

UGPS UNDERGROUND PULL SECTION

W WIRE

WP WEATHERPROOF

XFMR TRANSFORMER

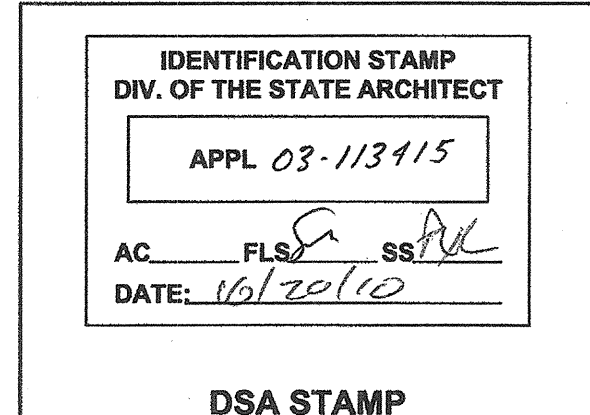


OAK PARK UNIFIED SCHOOL DISTRICT BROOKSIDE ELEMENTARY SCHOOL MODERNIZATION

Oak Park UNIFIED SCHOOL DISTRICT

KPI Architects Inc.
650 East Parkridge Avenue, Suite 105
Corona, California 92875-1092
Phone: (951) 366-5381 Fax: (971) 493-3089

barnhart, inc.
A HEERY INTERNATIONAL COMPANY



PROJECT NO.: 234#00	DATE: 09-02-09
SYMBOL LIST AND ABBREVIATIONS	

13-01R

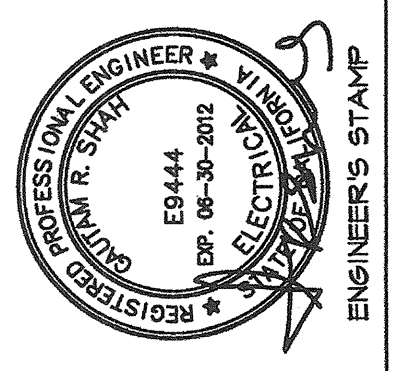
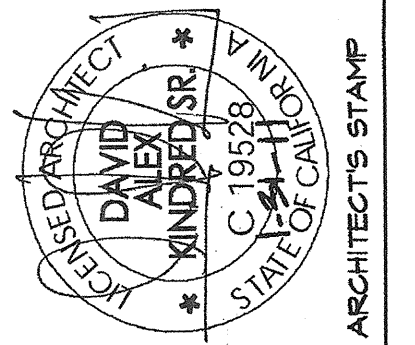
F0.2

PBS 2100 East Route 66, Suite 101
Glendora, California 91740-4623
Tel: (626) 650-0350
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Job No. 2010-014-00

ENGINEERS
Mechanical and Electrical Consulting Engineers

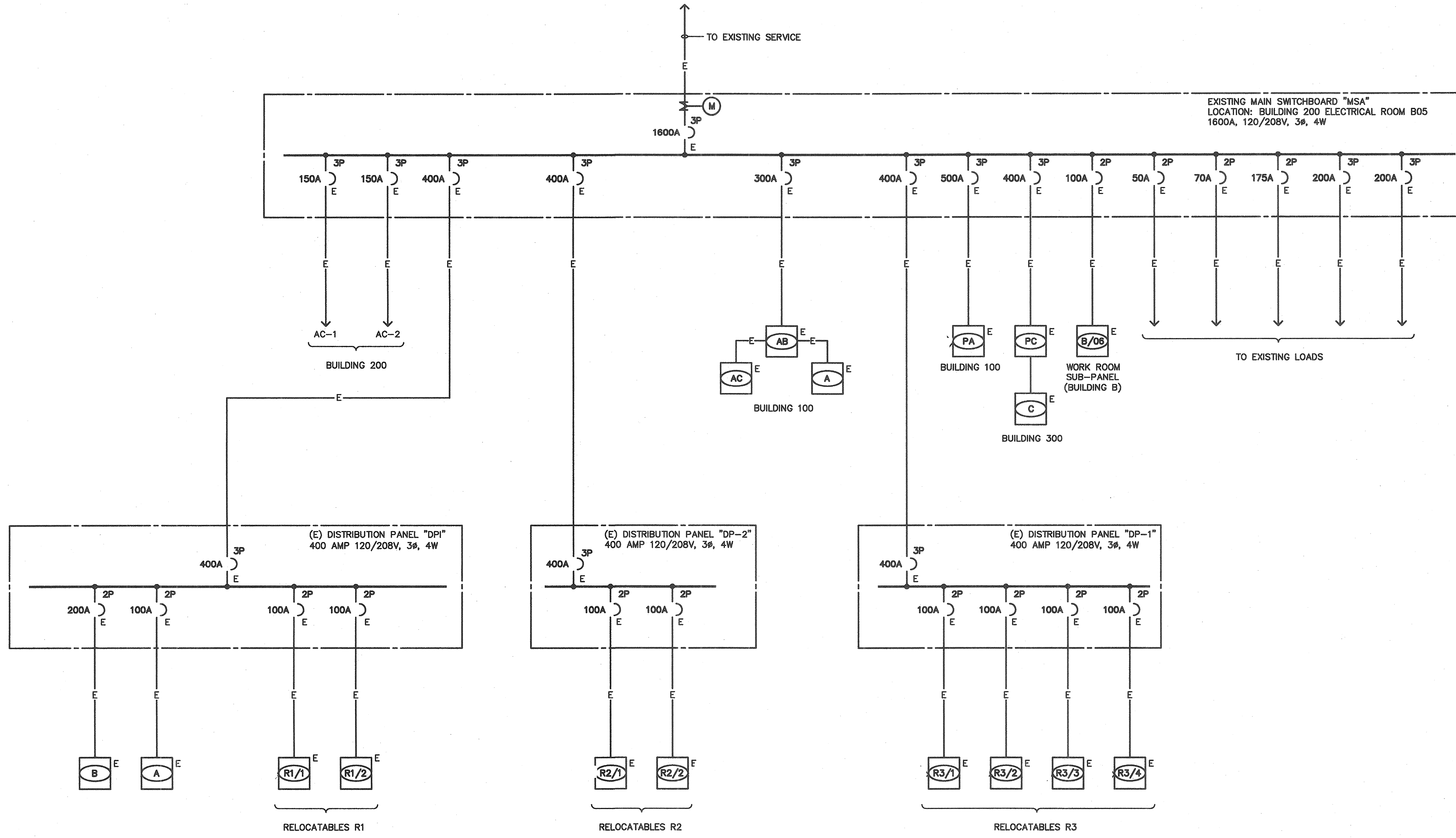
KEY NOTES

- 1 DISCONNECT, REMOVE AND REPLACE EXISTING 200A, 3P CIRCUIT BREAKER FEEDING (E)AC-1 WITH NEW 100A, 3P CIRCUIT BREAKER TO MATCH EXISTING. FOR NEW MECHANICAL UNIT "MZ-A2".
- 2 DISCONNECT, REMOVE AND REPLACE EXISTING 250A, 3P CIRCUIT BREAKER FEEDING (E)AC-2 WITH NEW 100A, 3P CIRCUIT BREAKER TO MATCH EXISTING. FOR NEW MECHANICAL UNIT "MZ-A1".
- 3 DISCONNECT, REMOVE AND REPLACE EXISTING 60A, 2P CIRCUIT-BREAKER FEEDING (E)BARB UNIT WITH NEW HARC TYPE 30A, 2P CIRCUIT BREAKER TO MATCH EXISTING.



OAK PARK UNIFIED SCHOOL DISTRICT
BROOKSIDE ELEMENTARY SCHOOL
MODERNIZATION
 UNIFIED SCHOOL DISTRICT

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 A HERY INTERNATIONAL COMPANY



LOAD CALCULATION FOR "MSA"

EXISTING LOAD (LOAD BASED ON 1YR SCE METER READING)	= 201KW
SECURITY FACTOR (X1.25)	= 251.25KW
REMOVED LOAD	= 100.03KW
NEW ADDED LOAD	= 101.83KW
TOTAL LOAD @ 208V, 3Ø	= 253.05KW
TOTAL AMPS @ 208V, 3Ø	= 703.22A

SINGLE LINE DIAGRAM

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPL 03-113415
 AC _____ FLs _____ SS _____
 DATE: 10/20/10
DSA STAMP

PROJECT NO.: 234800 DATE: 09-02-09

SINGLE LINE DIAGRAM



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 Job No. 2010-014-00
 Mechanical and Electrical Consulting Engineers

CERTIFICATE OF COMPLIANCE (Part 1 of 4) OLTG-1C

Project Name: **Brookside Elementary School - Building C Outdoor** Date: **4/14/2010**

Project Address: **165 Safford Avenue Oak Park, CA 91377** Total Illuminated Area: **4,600**

GENERAL INFORMATION

Phase of Construction: New Construction Addition Alteration

Documentation Author's Declaration Statement

I certify that this Certificate of Compliance documentation is accurate and complete.

Name: **Dustin Hawk** Signature: *[Signature]*

Company: **PBS Engineers** Date: **4/14/2010**

Address: **2100 E Route 66, Suite 101** EA #

City/State/Zip: **Glendora, CA 91740** Phone: **626-650-0350** CEPE #

Principal Lighting Designer's Declaration Statement

I am eligible under Division 3 of the California Business and Professional Code to accept responsibility for the lighting design.

This Certificate of Compliance identifies the lighting features and performance specifications required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.

The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: **Gautam R. Shah** Signature: *[Signature]*

Company: **PBS Engineers Inc.** Phone: **(626) 650-0350**

Address: **2100 E Route 66, Suite 101** License # **E9444**

City/State/Zip: **Glendora, CA 91740** Date: **4/30/2010**

Principal Lighting Designer's Declaration

I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other lighting designed for the site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures

Indicate location on building plans of Mandatory Measures Note Block:

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheets is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittals.

OLTG-2C (Pages 1 of 3) Lighting Wattage Allowances for General Hardscapes, Sales Frontage, or Ornamental Lighting. Optional on plans.

OLTG-2C (Pages 2 of 3) Lighting Wattage Allowance for Per Application or Per Area. Optional on plans.

OLTG-2C (Pages 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

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CERTIFICATE OF COMPLIANCE (Part 2 of 4) OLTG-1C

Project Name: **Brookside Elementary School - Building C Outdoor** Date: **4/14/2010**

COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

INSTALLATION CERTIFICATE, OLTG-1INST (Retain a copy and verify form is completed and signed.) Field Inspection

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule

A	B	C	D	E	F	G	H	I
Name or Item Tag	Luminaire Description (See footnote below)	Cutoff Designation	Watts per Luminaire	Special Features	How wattage was determined	Number of Luminaires	Installed Watts (D X E)	Field Inspector
G	(1) 2x Compact Fluorescent Triple 4 Pin Elec		35			12	420	
F	(1) 2 x 4-Tube T8 Elec		39			12	396	
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts:						416		

1. Type of luminaire (i.e., post-top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e., fluorescent, incandescent, HID), ballast type (i.e., electronic or magnetic), number of lamps and number of ballasts per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum re-striping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (ball) used, in accordance with Section 150(d) or (e).

2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES

Name or Symbol	Description of exempt luminaire in accordance with §147	Field Inspection <input type="checkbox"/>

MANDATORY CONTROLS

#	Description	Location	#	Description	Location

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Filed Inspector Notes or Discrepancies:

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CERTIFICATE OF COMPLIANCE (Part 3 of 4) OLTG-1C

Project Name: **Brookside Elementary School - Building C Outdoor** Date: **4/14/2010**

A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: OLZ 1 OLZ 2 OLZ 3 OLZ 4

Is the Outdoor Lighting Zone: Default in accordance with §10-114, or Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):

The site is a government designated park, recreational area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-A, because the site is contained within such a zone.

The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in §10-114(d) to the Executive Director.

The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Are additional lighting power allowances for ordinance in Table 147-C used? Yes No

Complete the information below if additional lighting power allowances for ordinance requirements are used:

The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.

The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required §10-114(f) to the Executive Director.

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer: This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system. **LTG-2A:** The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NAB Section in the Appendix of the Nonresidential Preference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency: Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The LTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the LTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Luminaires Controlled				OLTG-2A'
Equipment Requiring Testing	Description	City of Like Controls	Location	Outdoor Lighting Acceptance Tests

1. Insert: OMS for Outdoor Motion Sensor; OLSC for Outdoor Lighting Shut-off Controls; OP for Outdoor Photocontrol; ATS for Astronomical Time Switch; and, STS for Standard (non-astronomical) Time Switch acceptance.

EnergyPro 3.0 by EnergySoft User Number: 6159 RunCode: 2010-04-14T15:56:4 ID: 2010-015-00 Page 5 of 7

CERTIFICATE OF COMPLIANCE (Part 4 of 4) OLTG-1C

Project Name: **Brookside Elementary School - Building C Outdoor** Date: **4/14/2010**

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

	Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscapes (from OLTG-2C Page 1 of 3) 1,193
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3) 0
C	Specific application lighting wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3) 0
D	Specific application lighting wattage allowance per application (from OLTG-2C Page 2 of 3) 0
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3) 0
F	Specific application lighting wattage allowance for ordinance requirements (from OLTG-2C Page 3 of 3) 0
G	Total Allowed Wattage = Sum of rows A through G: 1,193
H	Total installed watts (from Compliance Fixture Schedule, (from OLTG-2C Page 1 of 3) 416

Complies if wattage in row H is less than or equal to the wattages in row G Yes No

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OUTDOOR LIGHTING WORKSHEET (Part 1 of 3) OLTG-2C

Project Name: **Brookside Elementary School - Building C Outdoor** Date: **4/14/2010**

A. LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE

AREA WATTAGE ALLOWANCE (AWA)			LINEAR WATTAGE ALLOWANCE (LWA)			INITIAL WATTAGE ALLOWANCE	TOTAL GENERAL HARDSCAPE LIGHTING ALLOWANCE
A	B	C	D	E	F	G	H
Illuminated Hardscapes Area	AWA Per Square Foot	AWA (A X B)	Perimeter Length of General Hardscapes	LWA Per Linear Foot	LWA (D X E)	IWA (Watts)	C + F + G
4,600	0.062	423	0	0.920	0	770	1,193
Enter total into OLTG-1C; Page 4 of 4; Row A; Lighting Power Allowance for General Hardscapes							1,193

Yes AWA, LWA, and IWA from Table 147-A was used as appropriate for the Outdoor Lighting Zone

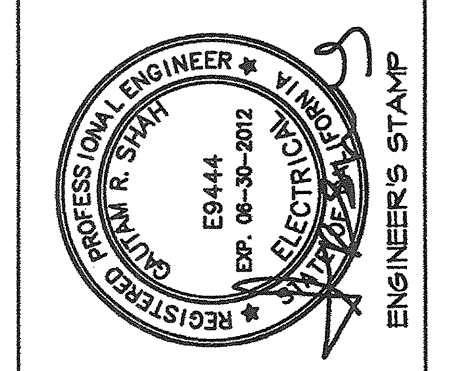
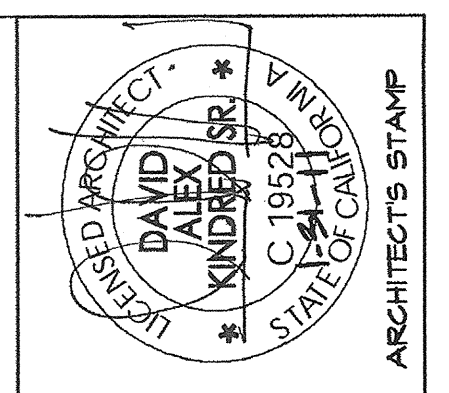
B. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER UNIT LENGTH (Available only for sales frontage)

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE		DESIGN WATTS		
A	B	C	D	E	F	G	H
Specific Lighting Application	Linear Foot of Frontage	Sales Frontage Wattage Allowance for CLZ (Watts per LF)	Wattage Allowance (B X C)	Name or Symbol	Luminaire Type	Lumin QTY	Watts Per Luminaire
Enter total into OLTG-1C; Page 4 of 4; Row B; Specific Application Lighting Wattage Allowance Per Unit Length							0

C. SPECIFIC APPLICATION WATTAGE ALLOWANCE FOR ORNAMENTAL LIGHTING

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE		DESIGN WATTS		
A	B	C	D	E	F	G	H
Specific Lighting Application	Square feet of Harascape	Ornamental Lighting Allowance for CLZ (Watts per ft ²)	Wattage Allowance (B X C)	Name or Symbol	Luminaire Type	Lumin QTY	Watts Per Luminaire
Enter total into OLTG-1C; Page 4 of 4; Row C; Specific Application Wattage for Ornamental Lighting							0

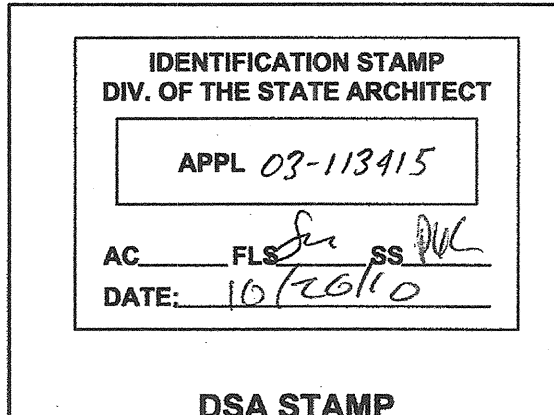
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OAK PARK UNIFIED SCHOOL DISTRICT BROOKSIDE ELEMENTARY SCHOOL MODERNIZATION

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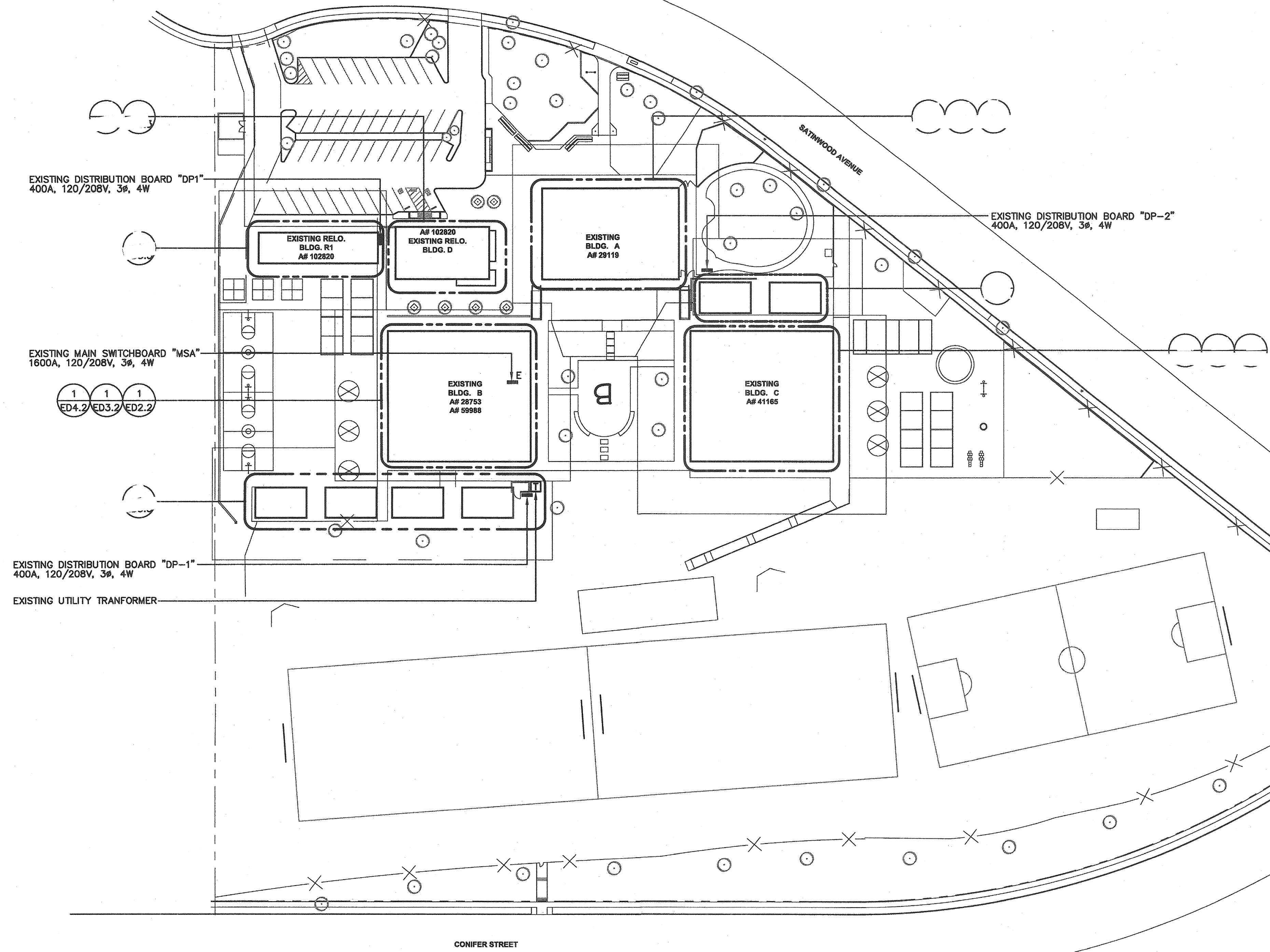
PROJECT NO.: 234800 DATE: 09-02-09

BUILDING C - OUTDOOR TITLE-24

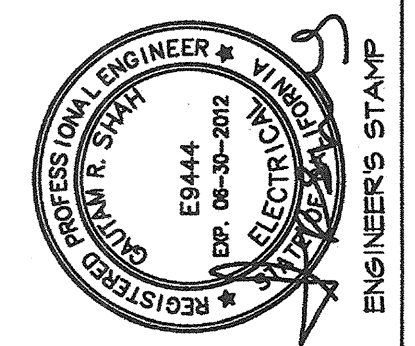
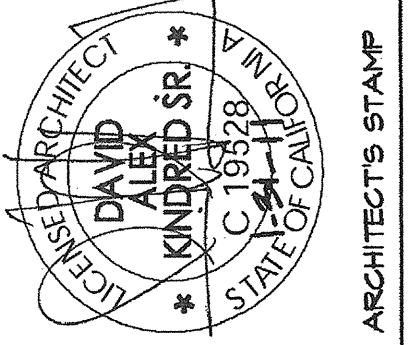
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1 CAMPUS SITE PLAN
SCALE: 1" = 50'-0"
TRUE NORTH



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**OAK PARK UNIFIED SCHOOL DISTRICT
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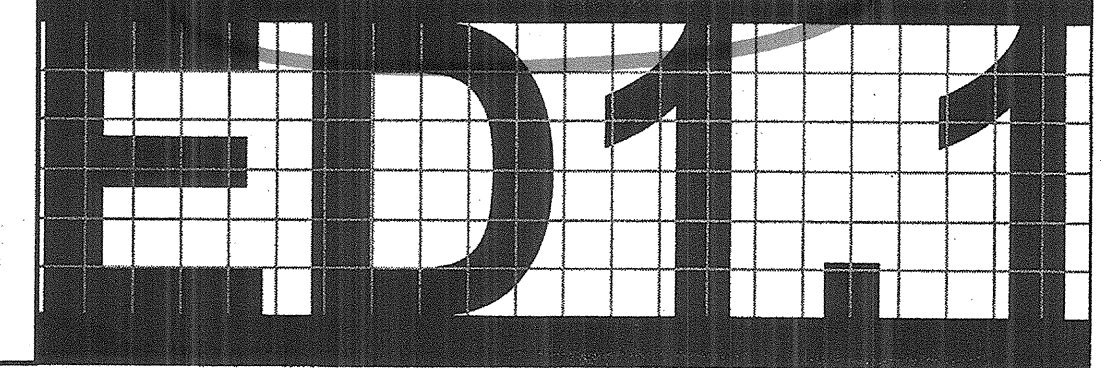
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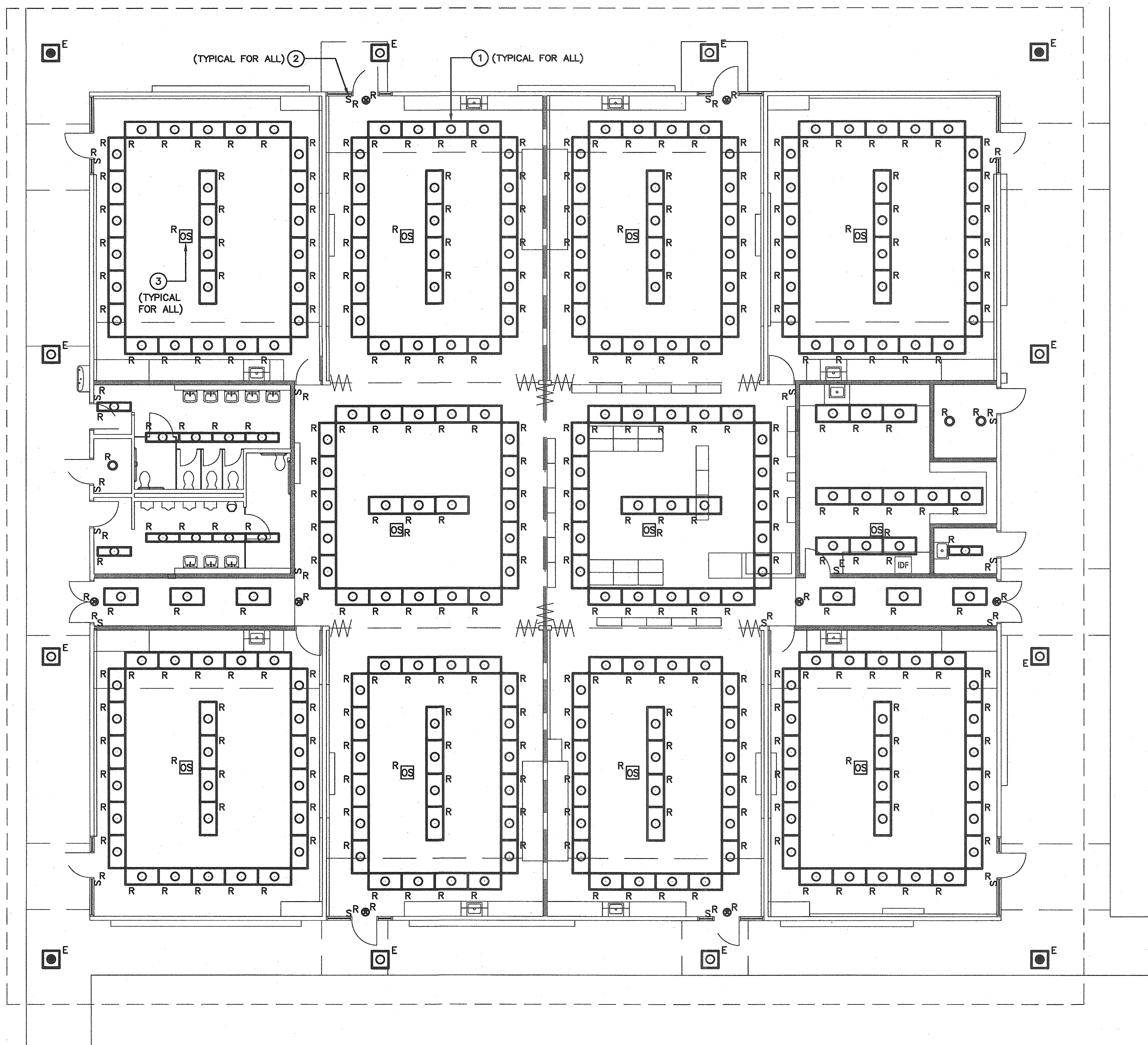
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DEMOLITION SITE PLAN

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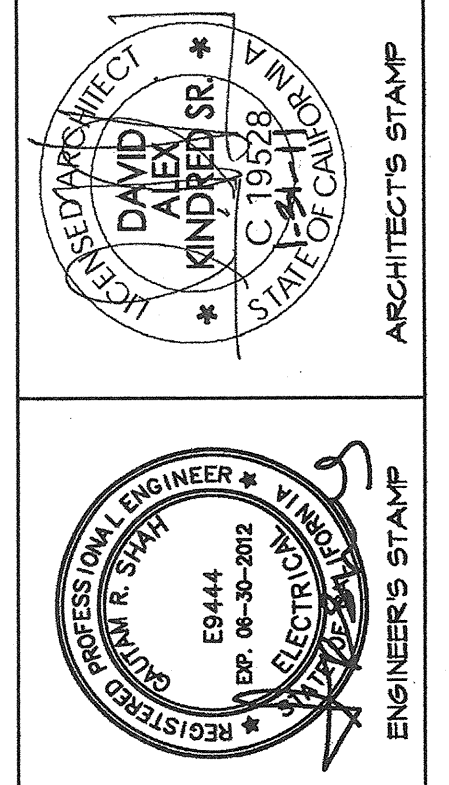
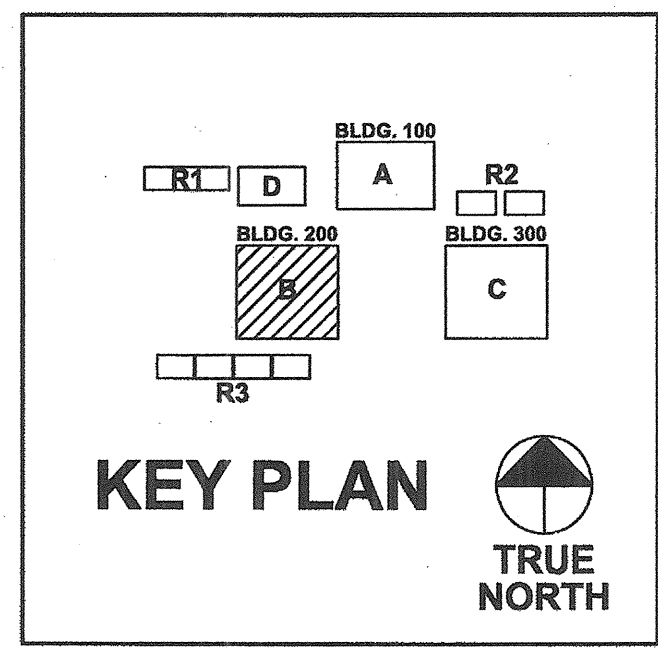
1 DEMOLITION LIGHTING FLOOR PLAN
 SCALE: 1/8" = 1'-0" BUILDING B
 PLAN NORTH

KEY NOTES

- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES AND EXIT SIGNS WITH ALL ASSOCIATED CONDUITS AND WIRES UP TO JUNCTION BOX. PRESERVE ALL JUNCTION BOXES, WIRES AND CONDUITS UP TO THE PANEL ITS BEING FED FROM FOR LATER USE. SEE REMODEL PLAN ON SHEET E2.2.
- DISCONNECT AND REMOVE EXISTING SWITCH. PRESERVE EXISTING WIRES AND CONDUITS FOR LATER USE WITH NEW SWITCH. SEE REMODEL PLAN ON SHEET E2.2.
- DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR WITH ALL ASSOCIATED CONDUITS AND WIRES UP TO JUNCTION BOX. PRESERVE ALL JUNCTION BOXES, WIRES AND CONDUITS UP TO THE PANEL ITS BEING FED FROM FOR LATER USE. SEE REMODEL PLAN ON SHEET E2.2.

EXISTING CONNECTED LOAD

(E) 2'X4' (3) 32W T8 FIXTURE:	
QTY: 263 WATTAGE: 96	= 25,248W
(E) 1'X4' (2) 32W T8 FIXTURE:	
QTY: 11 WATTAGE: 64	= 704W
(E) COMPACT FLUOR. DOWNLIGHT (1) 32W TRT FIXTURE:	
QTY: 3 WATTAGE: 32	= 96W
(E) TOTAL CONNECTED LOAD:	= 26,048W



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BROOKSIDE ELEMENTARY SCHOOL
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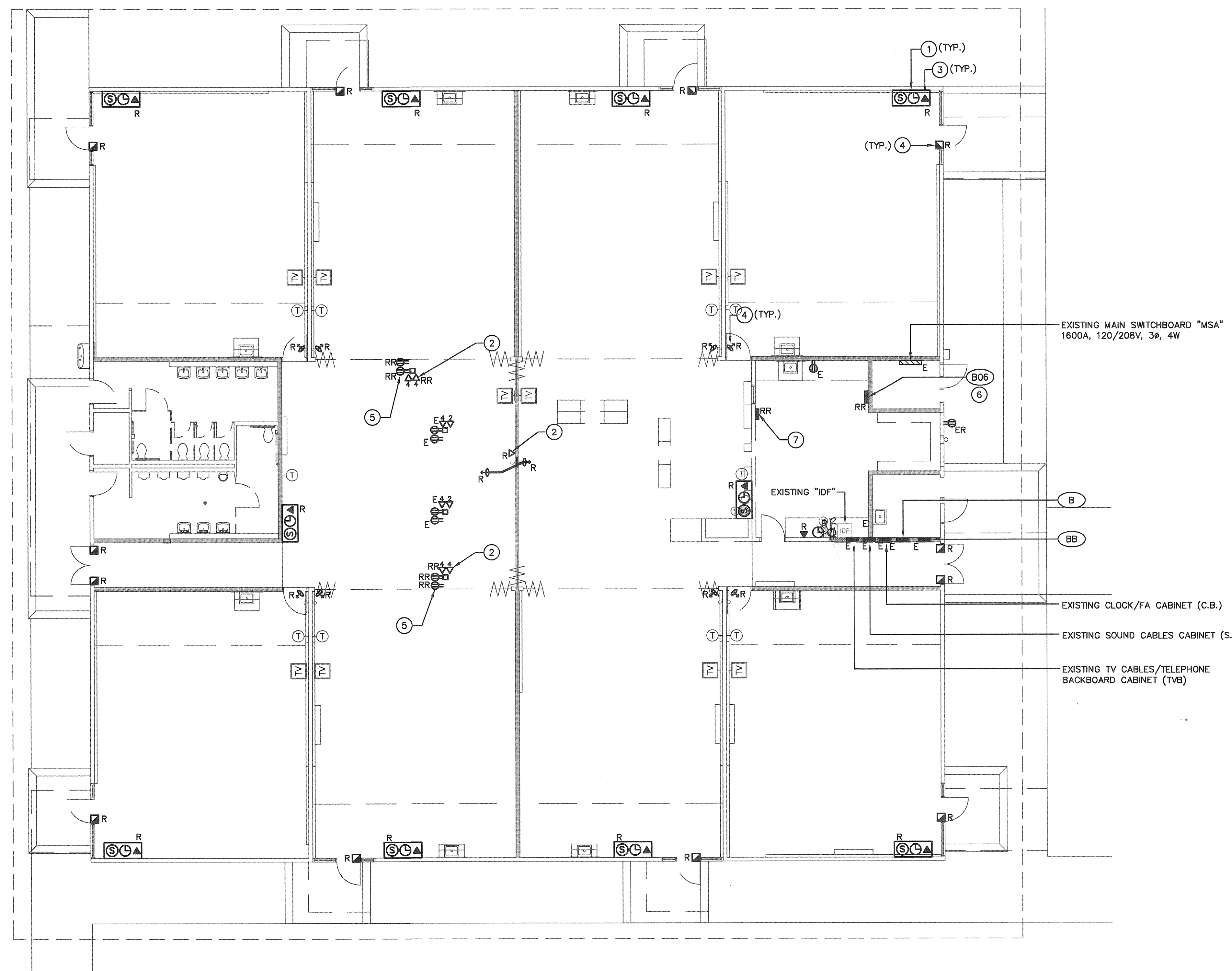
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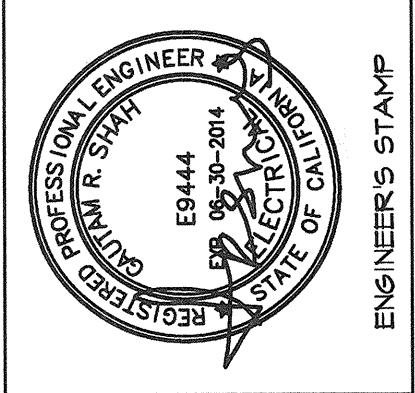
DEMOLITION LIGHTING FLOOR PLAN - BUILDING B

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ED2.2



- ### KEY NOTES
- 1 CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING CLOCK, PA-SPEAKERS, INCLUDING WIRING TO STC.
 - 2 CONTRACTOR TO COIL THE EXISTING CABLES ABOVE THE CEILING SPACE AND PROVIDE PROPER LABELING FOR THE CABLES
 - 3 DISCONNECT AND REMOVE EXISTING TELEPHONE OUTLETS. PRESERVE EXISTING CABLES FOR RECONNECTION. REFER TO REMODEL PLAN FOR MORE INFORMATION.
 - 4 CONTRACTOR SHALL DISCONNECT AND REMOVE INTRUSION DEVICES PRESERVE WIRING FOR LATER REUSE.
 - 5 CONTRACTOR TO REPULL THE CABLES INSIDE THE POWER POLE AND EXTEND WIRES TO NEW LOCATION OF OUTLETS IN THE NEW WIREMOLD.
 - 6 REMOVE AND REPLACE EXISTING 12 CKT PANEL B06 WITH A NEW 24 CKT PANEL. RECONNECT EXISTING CIRCUITS TO THE NEW PANEL.
 - 7 EXISTING TERMINAL BLOCK TO BE RELOCATED

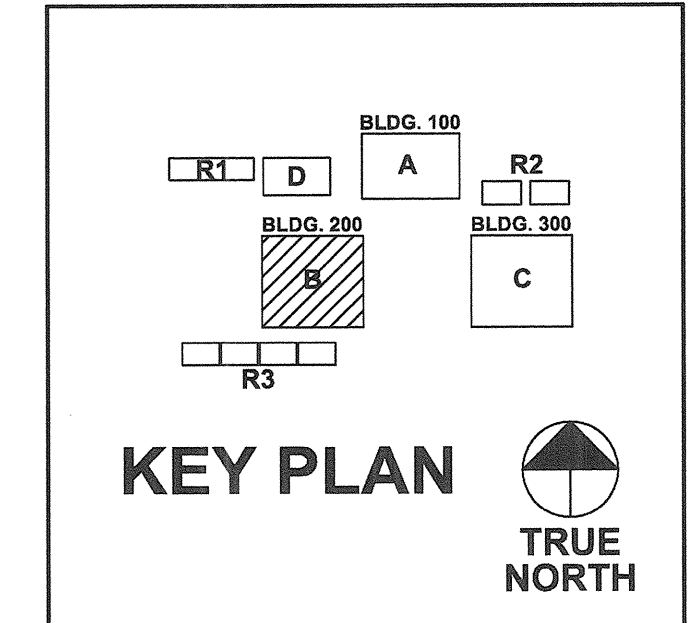


OAK PARK UNIFIED SCHOOL DISTRICT
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1 DEMOLITION POWER & SIGNAL FLOOR PLAN
 SCALE: 1/8" = 1'-0" BUILDING B



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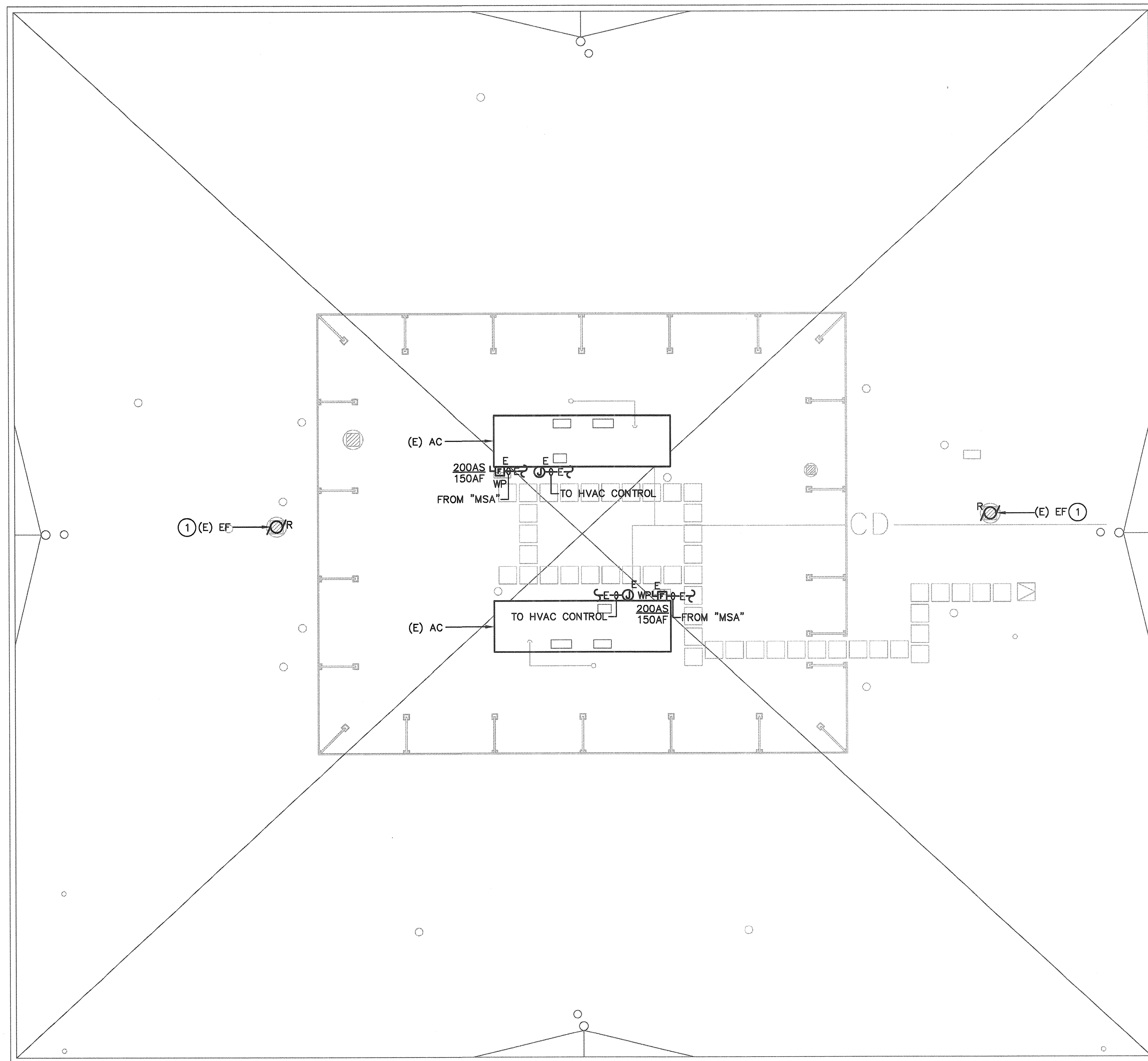
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DEMOLITION POWER & SIGNAL FLOOR PLAN - BUILDING B

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AD1-ED3.2

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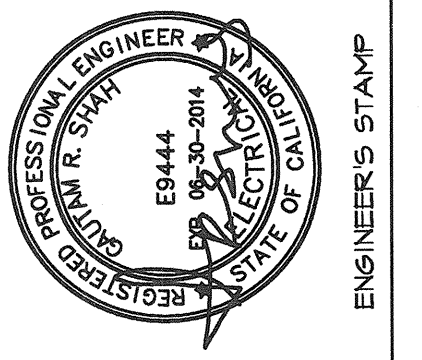


1 DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0" BUILDING B



KEY NOTES

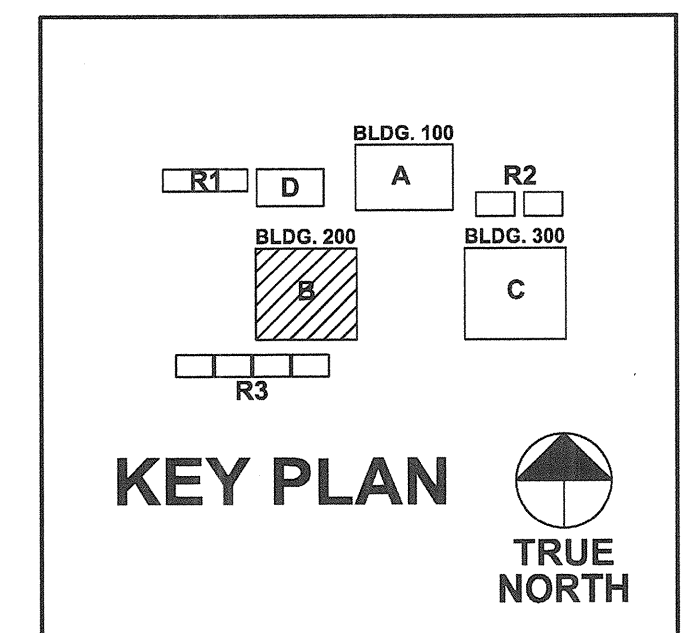
- 1 DISCONNECT EXISTING MECHANICAL UNIT. PRESERVE EXISTING FEEDER CONDUIT AND WIRING FOR REUSE. REFER TO REMODEL PLAN AD1-E4.2 FOR MORE INFORMATION.



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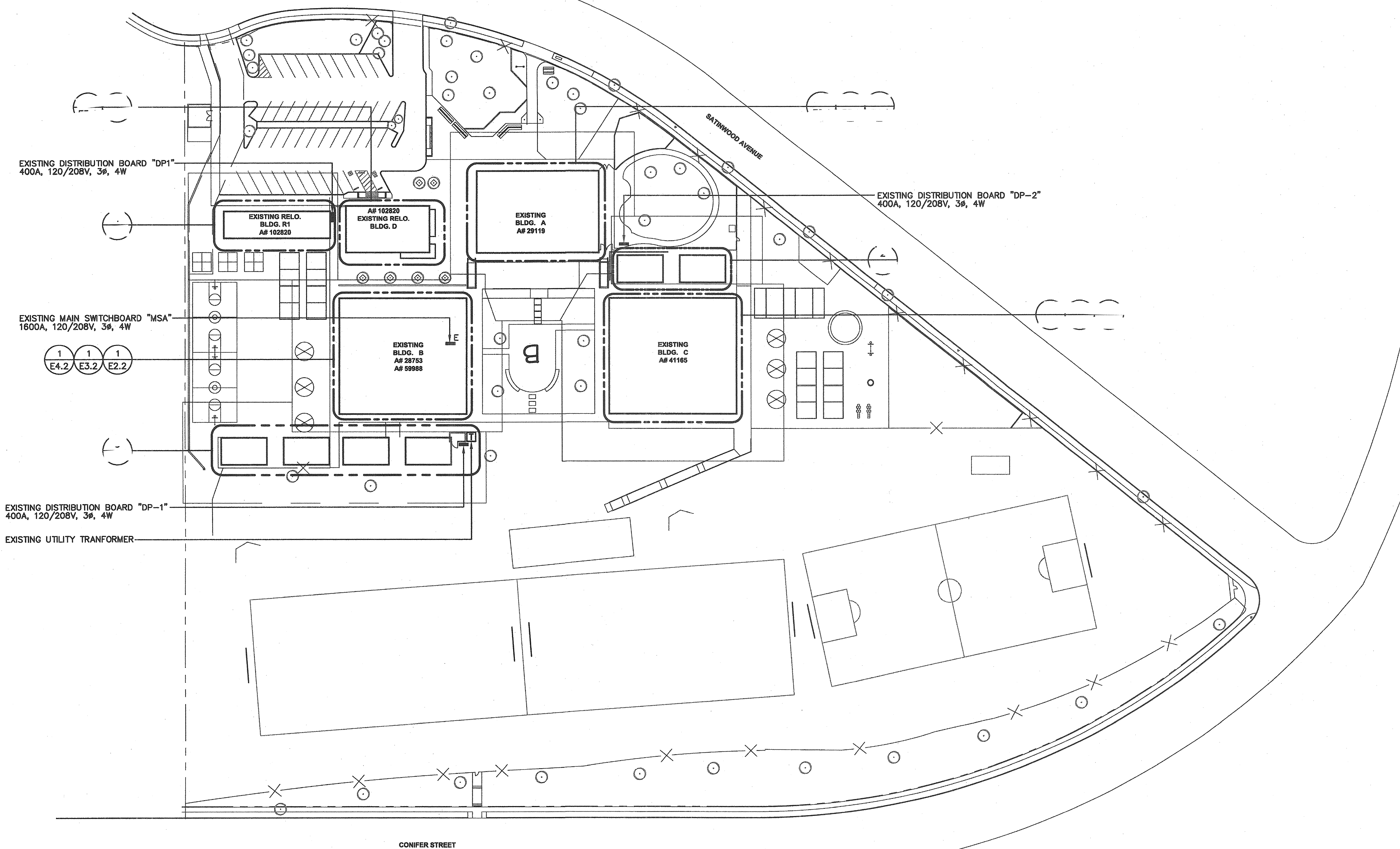
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DEMOLITION ROOF PLAN - BUILDING B

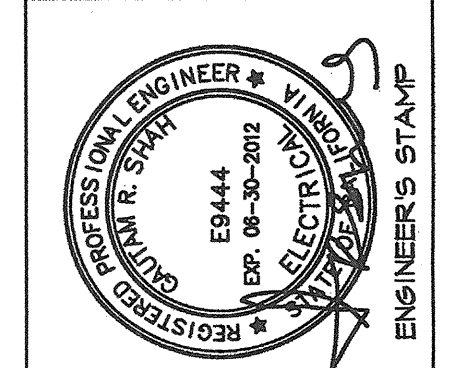
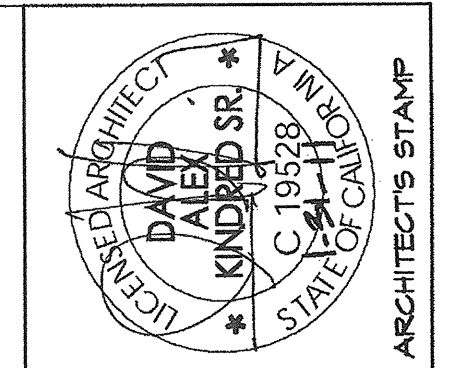
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AD1-E4.2

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1 CAMPUS SITE PLAN
SCALE: 1" = 50'-0"
TRUE NORTH



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Brookside Elementary School
Modernization

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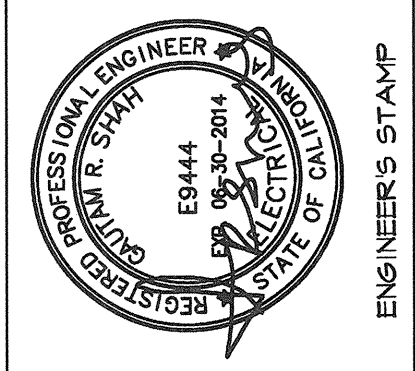
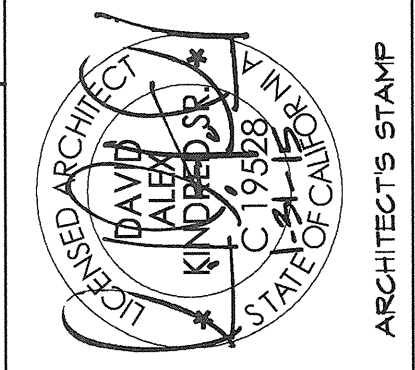
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REMODEL SITE PLAN

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BROOKSIDE ELEMENTARY SCHOOL
BUILDING B/200 (BID AND CA)

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KEY NOTES

- 1. CONTRACTOR SHALL EXTEND EXISTING WIRES FROM EXISTING JUNCTION BOXES TO NEW LIGHT FIXTURES SHOWN ON PLANS. CONTRACTOR TO TEST AND ENSURE A COMPLETE AND OPERABLE SYSTEM.
- 2. CONTRACTOR TO PROVIDE AN ADDITIONAL UNSWITCHED HOT LEG FROM EXISTING JUNCTION BOXES OF THE SAME CIRCUIT TO EMERGENCY FIXTURES SHOWN ON PLANS.
- 3. CONTRACTOR SHALL PROVIDE CONNECTION TO NEW EXIT SIGNS. CONTRACTOR TO CONNECT EXIT SIGNS TO NEW LIGHT FIXTURES WITH EXISTING CIRCUITS.
- 4. CONTRACTOR TO CONNECT NEW FUTURE TO EXISTING SWITCHED LEG OF EXISTING EXTERIOR LIGHTING FIXTURE CIRCUIT AND PROVIDE ADDITIONAL UNSWITCHED HOT LEG OF THE SAME CIRCUIT FOR EMERGENCY BATTERY PACK.
- 5. CONTRACTOR TO CONNECT NEW LIGHT SWITCHES TO NEW LIGHT FIXTURES. EXTEND WIRING AND CONDUITS IF NECESSARY.
- 6. CONTRACTOR TO CONNECT NEW OCCUPANCY SENSOR TO NEW LIGHT FIXTURES. EXTEND WIRING AND CONDUITS IF NECESSARY.

GENERAL NOTE

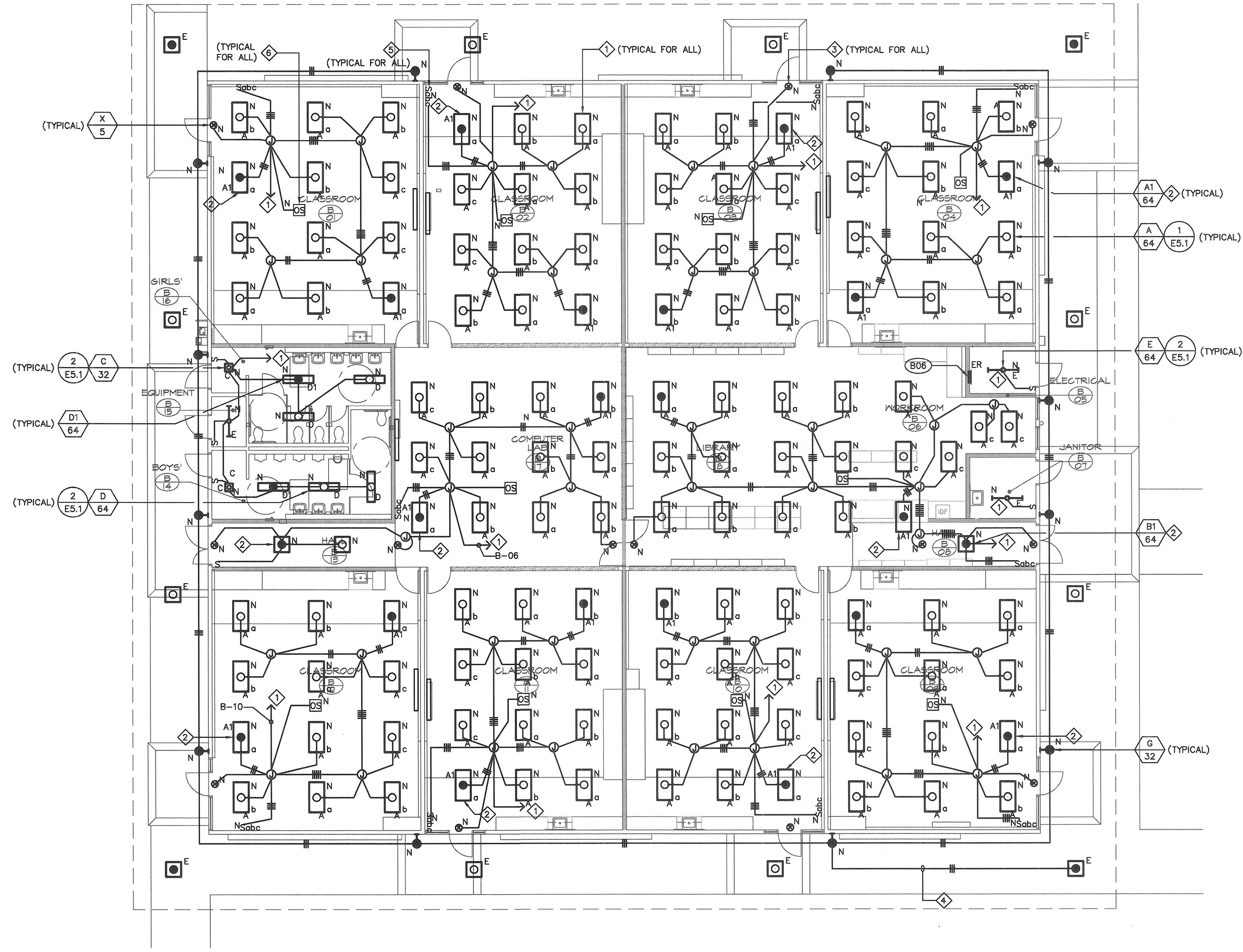
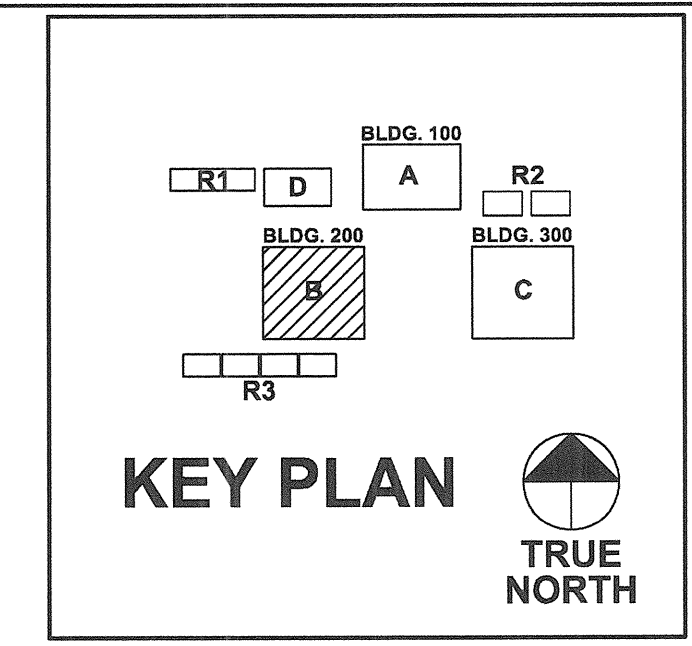
- 1. CONTRACTOR TO MODIFY EXISTING LIGHT SWITCHING FOR SMART BOARD OR PROJECTOR SPECIFIC LIGHTING. LIGHTS ABOVE SMART BOARD SHALL BE ON SWITCH LEG "C".

EXISTING CONNECTED LOAD

(E) 2'x4' (3) 32W TB FIXTURE:	
QTY: 263 WATTAGE: 96	= 25,248W
263 X 96	
(E) 1'x4' (2) 32W TB FIXTURE:	
QTY: 11 WATTAGE: 64	= 704W
11 X 64	
(E) COMPACT FLUOR. DOWNLIGHT (1) 32W TRT FIXTURE:	
QTY: 3 WATTAGE: 32	= 96W
31 X 32	
(E) TOTAL CONNECTED LOAD:	= 26,048W
25,248 + 704 + 96	

NEW CONNECTED LOAD

(N) 2'x4' (3) 32W TB FIXTURE:	
QTY: 166 WATTAGE: 96	= 15,936W
166 X 96	
(N) 1'x4' (2) 32W TB FIXTURE:	
QTY: 9 WATTAGE: 64	= 576W
9 X 64	
(N) 1'x1' (1) 32W TB FIXTURE:	
QTY: 2 WATTAGE: 32	= 64W
2 X 32	
(N) 2'x2' (2) 32W TB FIXTURE:	
QTY: 45 WATTAGE: 64	= 192W
3 X 64	
(N) TOTAL CONNECTED LOAD:	= 16,768W
9,792 + 576 + 64 + 2,880	



1 REMODEL LIGHTING FLOOR PLAN
 SCALE: 1/8" = 1'-0" BUILDING B



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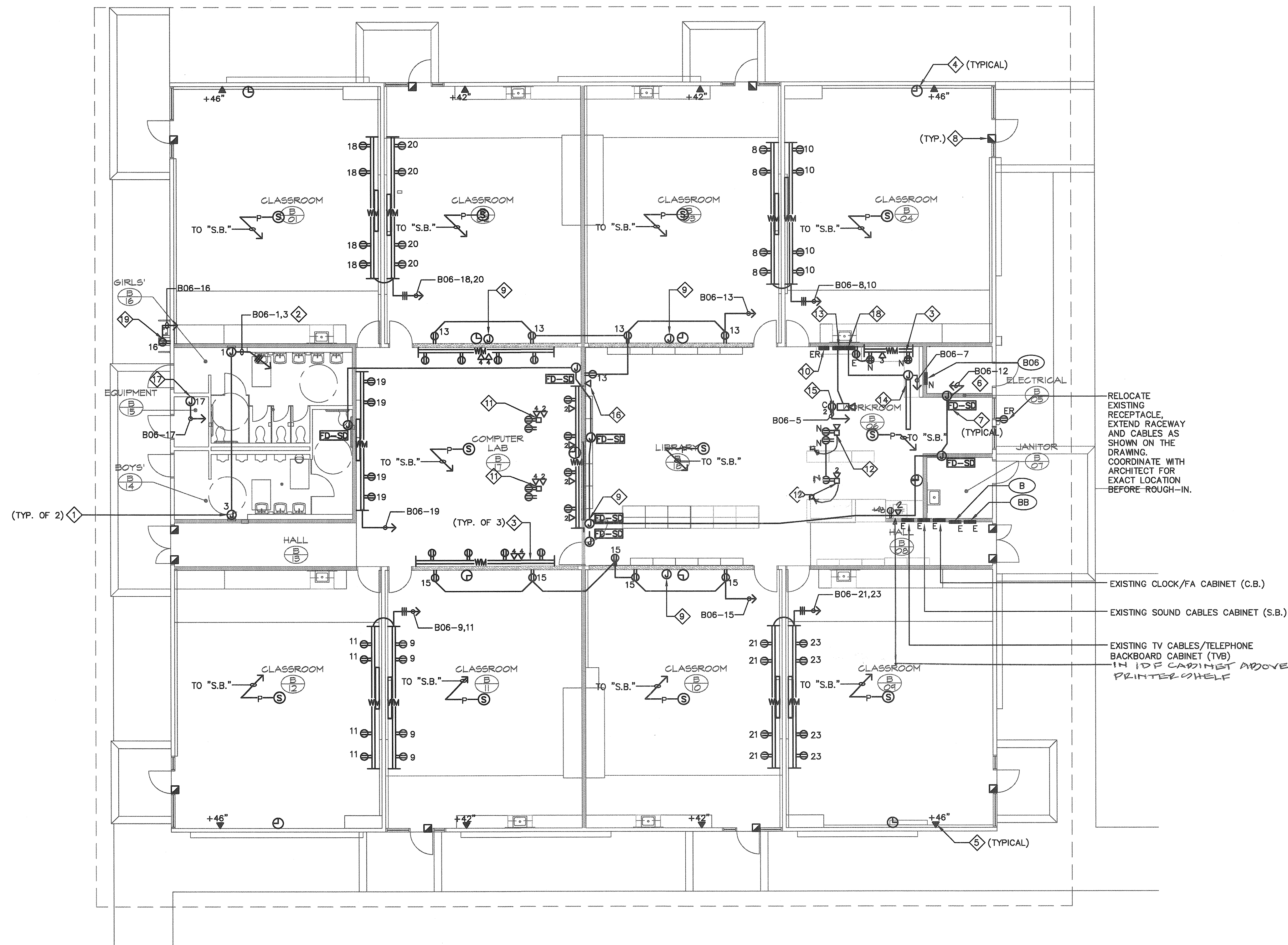
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REMODEL LIGHTING FLOOR PLAN - BUILDING B

13-02R

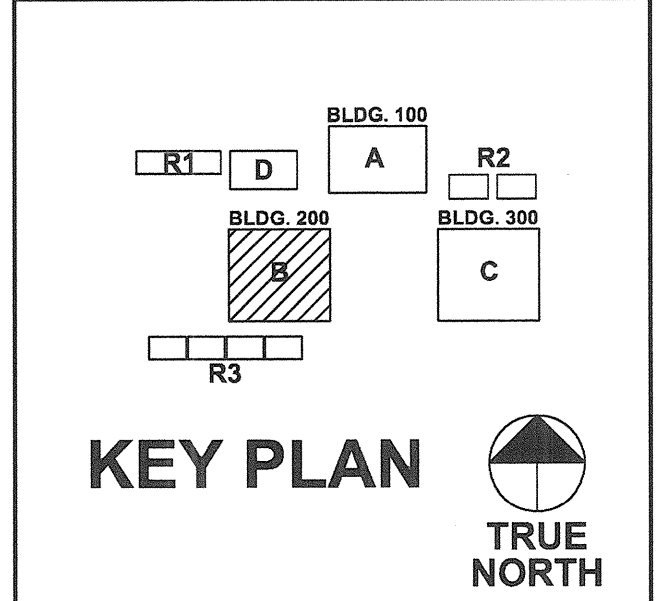
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AD1-F2.2



- ### KEY NOTES
- FOR CONNECTION TO HAND DRYER.
 - PROVIDE 120V, 20A, 1P CIRCUIT BREAKER IN EXISTING SPACE OF PANEL "B" FOR HAND-DRYER CONNECTION. CIRCUIT BREAKER TO MATCH EXISTING TYPE. REFER TO PANEL SCHEDULE ON SHEET E0.4.
 - RECONNECT EXISTING CIRCUIT TO NEW WIREMOLD. EXTEND WIREMOLD AS REQUIRED.
 - BATTERY POWERED RADIO CONTROLLED CLOCK.
 - RECONNECT EXISTING PRESERVED CABLES TO NEW TELEPHONE OUTLETS. EXTEND WIRING AS REQUIRED.
 - CONTRACTOR TO PROVIDE 120V, 20A, 1P DEDICATED CIRCUIT IN PANEL "B06" WITH LOCK-ON DEVICE. REFER TO PANEL SCHEDULE ON SHEET E0.4.
 - TIE IN FIRE/SMOKE DAMPER TO NEAREST FIRE ALARM DEVICE. PROVIDE NECESSARY RELAY-MODULE. REFER TO FIRE ALARM DRAWINGS FOR MORE INFORMATION. FIRE ALARM BY OTHERS. PROVIDE HORSE POWER RATED SWITCH.
 - CONNECT NEW INTRUSION PROTECTION DEVICES TO EXISTING PRESERVED WIRING. EXTEND WIRING IF NECESSARY.
 - J-BOX WITH BLANK FACE PLATE FOR FUTURE DATA CONNECTION WITH 3/4" C.O WITH PULL STRING STUB-UP TO CEILING SPACE. COORDINATE EXACT LOCATION IN THE FIELD BEFORE ROUGH-IN.
 - NEW LOCATION OF TEL/PA PUNCH BLOCK. CONTRACTOR TO INSTALL RELOCATED PUNCH BLOCK AS SHOWN ON THE DRAWING. PROVIDE NEW PATHWAYS AND RE-ROUTE ALL CABLES TO THE NEW LOCATION. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - EXISTING POWER POLE WITH POWER AND DATA OUTLETS TO REMAIN.
 - NEW POWER POLE. PROVIDE 3 DATA OUTLETS AND TWO POWER DUPLEX OUTLETS. CONNECT NEW OUTLETS TO THE EXISTING CIRCUIT OF THE ADJACENT POWER POLE. COORDINATE IN THE FIELD PRIOR TO ROUGH-IN.
 - PROJECTOR CONTROLS. CONTRACTOR TO PROVIDE J-BOX, CONDUIT AND CABLES AS PER MANUFACTURER'S REQUIREMENTS. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - MOTORIZED PROJECTOR SCREEN. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - CEILING MOUNTED PROJECTOR. PROVIDE CEILING MOUNTED RECEPTACLE FOR THE PROJECTOR. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - DATA OUTLET FOR COMPUTERS ON WHEELS. COORDINATE EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
 - J-BOX FOR WATER HEATER IGNITION. COORDINATE EXACT LOCATION IN THE FIELD BEFORE ROUGH-IN.
 - CONTROL STATION FOR MOTORIZED PROJECTOR SCREEN. CONTRACTOR TO INSTALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENT. COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION IN THE FIELD BEFORE ROUGH-IN.
 - RECEPTACLE FOR DRINKING FOUNTAIN. CONTRACTOR TO INSTALL RECEPTACLE AS PER DRINKING MANUFACTURER'S REQUIREMENT. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND MORE INFORMATION.

- ### GENERAL NOTES
- CONTRACTOR TO REMOVE AND REPLACE EXISTING POWER OUTLETS WITH NEW RECEPTACLES AND PLATE COVERS. WHERE THE EXISTING OUTLET IS 6" FROM ANY SINK, CONTRACTOR TO REPLACE THE OUTLET WITH A GFCI OUTLET.
 - CONTRACTOR TO RE-PULL EXISTING POWER AND COMMUNICATION/DATA CABLES FROM EXISTING OUTLETS AND COIL THE CABLES ABOVE THE CEILING SPACE FOR FUTURE USE. PROVIDE PROPER LABEL FOR THESE CABLES.
 - CONTRACTOR TO PROVIDE FIRE STOPPING MATERIAL AT BACK SIDE OF ALL JUNCTION BOXES INSTALLED WITHIN DEMISING WALL OR ANY FIRE RATED WALL.



1 REMODEL POWER & SIGNAL FLOOR PLAN

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



CONDUIT/CABLE SCHEDULE

P	3/4" CONDUIT WITH PA CABLES
2P	1" CONDUIT WITH PA CABLES

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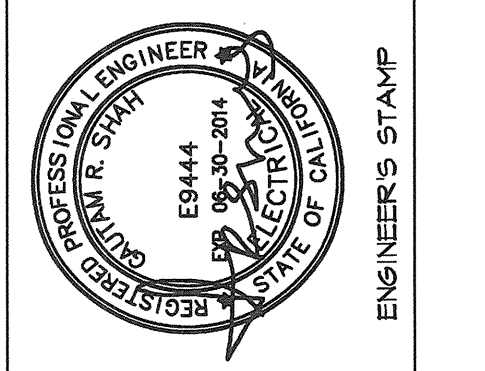
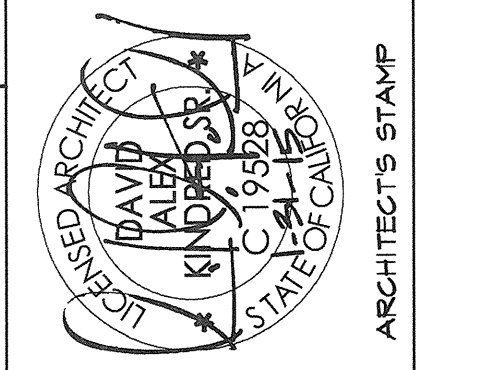
PBS ENGINEERS
2100 East Route 66, Suite 101 Glendora, CA 91740
Job No. 2010-01401
Mechanical Electrical Plumbing | Consulting Engineers
QA/QC BY: _____

PROJECT NO.: 234808 DATE: 01-07-13

REMODEL POWER & SIGNAL FLOOR PLAN - BUILDING B

13-01R

AD1-E3.2

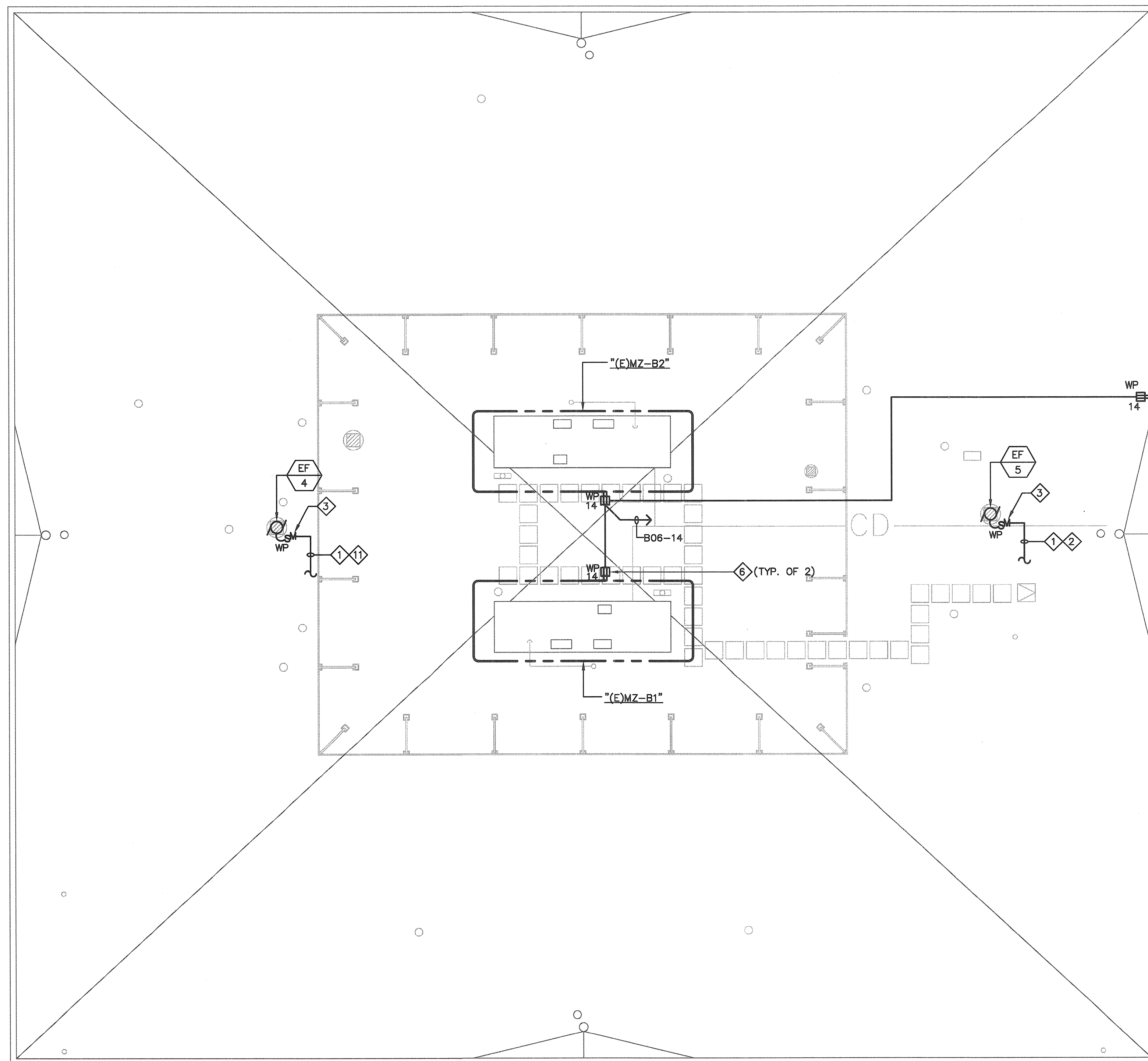


OAK PARK UNIFIED SCHOOL DISTRICT
BROOKSIDE ELEMENTARY SCHOOL
BUILDING B/200 (BID AND CA)

Oak Park
UNIFIED SCHOOL DISTRICT

KPI Architects Inc., Suite 105
185 East Route 66, Glendora, CA 91740
Phone: (626) 366-6351 Fax: (626) 366-6352

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1 REMODEL ROOF PLAN
 SCALE: 1/8" = 1'-0" BUILDING B

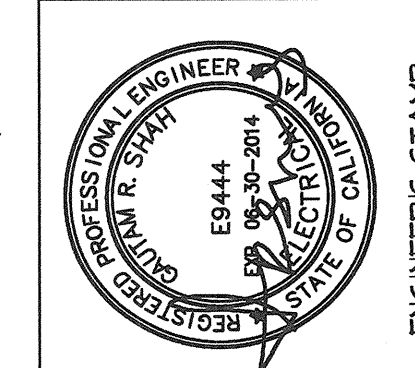
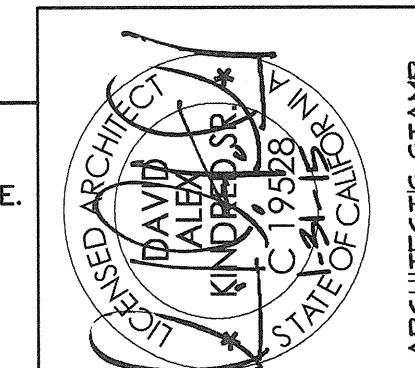
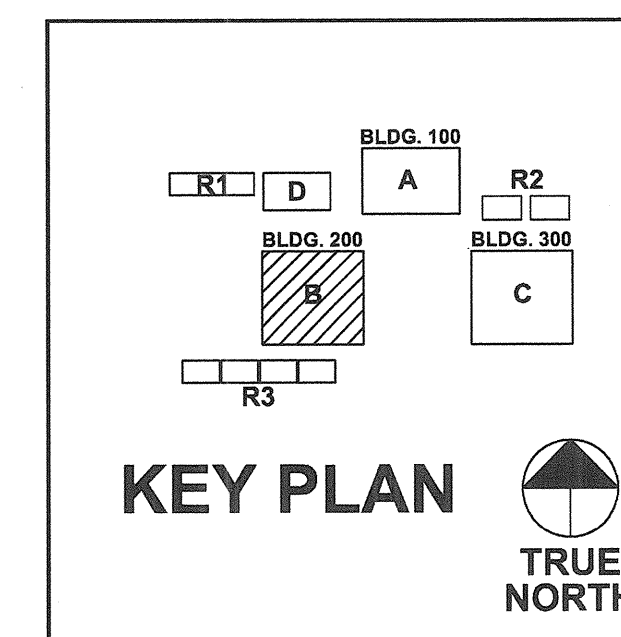


KEY NOTES

- 1 RECONNECT EXISTING PRESERVED CIRCUIT TO NEW MECHANICAL UNITS. EXTEND CONDUIT AND WIRES AS REQUIRED. INSTALL NEW GROUND WIRE.
- 2 INTERLOCK WITH AC UNIT MZ-B2.
- 3 PROVIDE NEW 20A, 1P HP RATED SWITCH NEMA-3R.
- 4 WEATHER PROOF DISCONNECT SWITCH. SIZE FUSE PER EQUIPMENT MANUFACTURER'S RECOMMENDATION. CONNECT PER MANUFACTURER'S STANDARD.
- 5 SEALTIGHT CONDUIT FOR ALL ROOF PENETRATION.
- 6 WEATHERPROOF RECEPTACLE SECURELY MOUNTED AT MECHANICAL UNIT AS SHOWN. VERIFY EXACT LOCATION.
- 7 (E) 1 1/2"C. WITH NEW 4#1 + 1#6 GND.
- 8 RECONNECT EXISTING CONTROL SYSTEM AND EXTEND WIRING AS REQUIRED.
- 9 WEATHERPROOF TOGGLE SWITCH WITH INDICATOR LAMP FOR U.V. LIGHTS. VERIFY LOCATION PRIOR TO MOUNTING.
- 10 TIE IN FIRE SMOKE DEVICE AND PROVIDE NECESSARY RELAY MODULE. REFER TO FIRE ALARM DRAWINGS FOR MORE INFORMATION. FIRE ALARM BY OTHERS.
- 11 INTERLOCK WITH AC UNIT MZ-B1.

GENERAL NOTES

- 1. EXISTING SARNAFIL PVC COOL ROOF SYSTEM.
- 2. ROOF UNDER WARRANTY WITH BEST CONTRACTING SERVICES (310)328-6969.



OAK PARK UNIFIED SCHOOL DISTRICT
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PROJECT NO.: 234808 DATE: 01-07-13

REMODEL ROOF PLAN - BUILDING B

13-01R

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AD1-F4.2