0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"
0 5' 25' 1/8" = 1'-0"
0 1' 12' 1/4" = 1'-0"
0 1' 6' 1/2" = 1'-0"
0 4' 3/4" = 1'-0"
0 1' 3' 1" = 1'-0"
0 2' 1 1/2" = 1'-0"
0 1' 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

SAN RAFAEL CITY SCHOOLS

SAN RAFAEL HIGH SCHOOL

REMOVAL OF RELOCATABLE BUILDINGS

150 3RD STREET, SAN RAFAEL, CA 94901

ABBREVIATIONS

&	AND
@	AT
C	CENTERLINE
Ø	DIAMETER
#	POUND OR NUMBER
A/C	AIR CONDITIONING
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADD	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINIUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BITUM	BITUMINOUS
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPOSITION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CT	CERAMIC TILE
CUST	CUSTODIAN
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DI	DRAIN OR DROP INLET
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
E	EAST
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EVA	EMERGENCY VEHICLE ACCESS
EWC	ELECTRICAL WATER COOLER
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PANEL
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GSM	GALVANIZED WHEET METAL
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LT	LIGHT
MAX	MAXIMUM
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIREBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODULAR
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION
(N)	NEW
N	NORTH
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PR	PAIR
PTD	PAPER TOWEL DISPENSER
PVC	POLYVINYL CHLORIDE
(R)	RELOCATE
RB	RESILIENT OR RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQ	REQUIRED
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SD	SOAP DISPENSER
SED	SEE ELECTRICAL DRAWINGS
SFPD	SEE FIRE PROTECTION DRAWINGS
SHT	SHEET
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK
T.O.	TOP OF
TOC	TOP OF CURB
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST
w/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER

APPLICABLE CODES

ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFORM TO THE FOLLOWING CODES AND REGULATIONS:

2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE.
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

2019 CALIFORNIA BUILDING CODE (CBC). PART 2, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ELECTRICAL CODE (CEC). PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC) WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA MECHANICAL CODE (CMC). PART 4, TITLE 24, CCR BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE (CPC). PART 5, TITLE 24, CCR BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ENERGY CODE. PART 6, TITLE 24 CCR

2019 CALIFORNIA FIRE CODE (CFC). PART 9, TITLE 24, CCR BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA EXISTING BUILDING CODE. PART 10, TITLE 24 CCR (2018 IEB CODE AND CALIFORNIA AMENDMENTS)

2019 CALIFORNIA GREEN BUILDING CODE (CALGreen). PART 11, TITLE 24, CCR

2019 CALIFORNIA REFERENCED STANDARDS. PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2019 CBC CHAPTER 35 AND 2019 CFC CHAPTER 45

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE ENFORCED.

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING CODES LISTED IN "APPLICABLE CODES" AND ALL GOVERNING LOCAL CODES AND REGULATIONS.
2. THE OWNER / ARCHITECT HAVE OBTAINED APPROVAL OF THE PRIMARY AUTHORITY HAVING JURISDICTION. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH AND AND INSTALL ALL MATERIALS AND WORK DESCRIBED, DEPICTED OR DETAILED WITHIN THESE DOCUMENTS REGARDLESS OF THE LOCATION OF THAT MATERIAL OR WORK WITHIN THE DOCUMENTS OR OMISSION (WHETHER DELIBERATE OR ACCIDENTAL) OF THAT MATERIAL OR WORK BY A SUBCONTRACTOR ON HIS/HER BID.
4. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONSIDER THESE DOCUMENTS IN THEIR ENTIRETY. DISCREPANCIES OR CONTRADICTIONS BETWEEN PORTIONS OF THESE DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT LEAST 72 HOURS PRIOR TO BID OPENING FOR CLARIFICATION. OTHERWISE, THE MOST RESTRICTIVE REQUIREMENT SHALL BE IN FORCE AT NO ADDITIONAL COST TO THE OWNER
5. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. CONTRACTOR ESTABLISH PROCEDURES TO ASSURE ALL PERSONS ENTERING A POSSIBLY HAZARDOUS AREA, INCLUDING WORKERS, SUBCONTRACTORS, OTHER CONTRACTORS, VISTORS, AND OTHERS ARE AWARE OF APPROPRIATE / REQUIRED SAFETY PROCEDURES. COMPLY WITH LOCAL, STATE, AND FEDERAL SAFETY STANDARDS, INCLUDING OSHA REQUIREMENTS AND WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AND GATES, SIGNAGE, SECURITY LIGHTING OR OTHER SECURITY AND CONTROL MEASURES NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC AND FACILITY USERS UNTIL THE COMPLETION OF THE WORK.
7. THE CONTRACTOR IS RESPONSIBLE TO FOR PROTECTION OF ADJACENT PROPERTY AND SHALL REPAIR AND / OR REPLACE ALL PROPERTY DAMAGED DURING THE COURSE ON THE WORK.
8. THE CONTRACTOR SHALL LIMIT HIS / HER ACTIVITY TO THE AREA DESCRIBED WITHIN THE DOCUMENTS UNLESS OTHERWISE PERMITTED BY THE OWNER'S REPRESENTATIVE
9. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEMS DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK. INSTALLATION SHALL MATCH EXISTING IN KIND, QUALITY, AND PERFORMANCE.
10. WHERE EXISTING CONSTRUCTION AND FINISHES ARE CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, PERFORMANCE CHARACTERISTICS, AND APPEARANCE
11. DIMENSIONS NOTED AS "CLR" MEAN CLEAR DIMENSION TO FACE OF FINISH. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND
12. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER-FURNISHED ITEMS, INCLUDING FURNITURE AND EQUIPMENT, TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
13. ALL ITEMS IN THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED
14. ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL OCCUPIED EXISTING FACILITIES SHALL BE MAINTAINED IN SERVICE AT ALL TIMES. ANY SHUT DOWNS FOR NEW CONNECTIONS MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE TWO WEEKS PRIOR TO THE REQUESTED SHUT DOWN.
15. COORDINATION WITH OTHER CONTRACTS: IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE OWNER'S REPRESENTATIVE ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK
16. COORDINATION OF SCHEDULE: PORTIONS OF THIS WORK MAY BE REQUIRED TO BE COMPLETED ON SCHEDULE IN ORDER TO AVOID DELAY TO OTHER CONTRACTORS OR OWNERS OPERATIONS. CONTRACTOR SHALL STRICTLY ADHER TO ESTABLISHED COMPLETION DATES AND COORDINATE WORK SCHEDULE WITH THE OWNER'S REPRESENTATIVE AND OTHER CONTRACTORS.
17. SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE, INCLUDING CONSTRUCTION ACCESS AND STORAGE, AND WORK OUTSIDE THE "EXTENT OF WORK" SET FORTH IN THESE DOCUMENTS. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
18. CONSTRUCTION PROCEDURES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
19. DEMOLITION IS NOT NECESSARILY LIMITED TO ONLY WHAT IS SHOWN ON THIS OR OTHER DRAWINGS OR AS OUTLINED IN THE SPECIFICATIONS. THE INTENT IS TO INDICATE GENERAL SCOPE OF DEMOLITION REQUIRED. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS DEMOLITON, CUTTING AND PATCHING REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
20. ALL ITEMS IDENTIFIED TO BE SALVAGED SHALL BE DELIVERED IN GOOD CONDITION TO A PLACE OF STORAGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL OTHER ITEMS MUST BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
21. ARCHITECT IS NOT RESPONSIBLE FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. TO THE EXTENT THESE DOCUMENTS RELATE TO SUCH ISSUES, ARCHITECT'S PARTICIPATION IS SOLELY ADMINISTRATIVE WITHOUT ANY RESPONSIBILITY FOR THE CONTENT OR EXECUTION OF SUCH DOCUMENTS.
22. CONTRACTOR TO MAINTAIN CONTEMPORANEOUSLY RECORDED "AS-BUILT" INFORMATION OF ALL WORK, WHICH SHALL BE MARKED IN COLOR ON THE DRAWINGS AND SPECIFICATIONS. A SCANNED PDF OF THE "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL APPLICATION FOR PAYMENT.
23. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION AND DUST COVERS ADJACENT TO OCCUPIED AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS, INLCUDING SIDEWALKS AND DRIVEWAYS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.
24. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDINGS.
25. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.

OWNER

SAN RAFAEL CITY SCHOOLS
310 NOVA ALBION WAY
SAN RAFAEL, CA 94903
CONTACT: DAN ZAICH
EMAIL: DZAICH@SRCS.ORG
TEL. (415) 492-3200

SAN RAFAEL HIGH SCHOOL
150 THIRD STREET
SAN RAFAEL, CA 94901
CONTACT: JOE DOMINGUEZ
EMAIL: JDOMINGUEZ@SRCS.ORG
TEL. (415) 485-2330

CONSULTANTS

ARCHITECT
HIBSER YAMAUCHI ARCHITECTS, INC.
300 27TH STREET, 2ND FLOOR
OAKLAND, CA 94612
CONTACT: LEE POLLARD
EMAIL: LPOLLARD@HY-ARCH.COM
TEL. (510) 446-2222

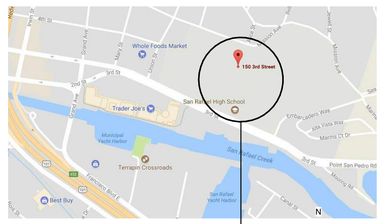
ELECTRICAL / FIRE ALARM
WKM ELECTRICAL CONSULTANTS, INC.
3397 MT DIABLO BLVD
LAFAYETTE, CA. 94549
CONTACT:TIFFANY KANE
TEL. (925) 385-0649

SCOPE OF WORK

- REMOVAL OF (4) RELOCATABLE CLASSROOM BUILDINGS
- DEMOLITION OF EXISTING WOOD FOUNDATIONS
- REMOVAL OF EXISTING RAMPS, STAIRS, RAISED PLATFORMS & ASSOCIATED HANDRAILS
- REMOVAL OF EXISTING CANOPY STRUCTURE
- DEMOLITION OF EXISTING FENCING AND OTHER TEMPORARY SITE WORK
- DISCONNECTION OF EXISTING WATER, WASTE, GAS, ELECTRICAL, LOW VOLTAGE AND FIRE ALARM LINES
- PATCH AND SLURRY SEAL EXISTING AC PAVING
- INSTALL NEW BASKETBALL BACKSTOPS AND COURT STRIPING
- INSTALL SITE FURNITURE

VICINITY MAP

NO SCALE



PROJECT LOCATION

INDEX OF DRAWINGS

ARCHITECTURAL
A0.01 TITLE SHEET
A0.02 SPECIFICATIONS
A0.03 SPECIFICATIONS
A0.04 SPECIFICATIONS
A1.01 OVERALL DEMOLITION SITE PLAN
A1.02 OVERALL SITE PLAN
A1.03 DEMOLITION SITE PLAN
A1.04 SITE PLAN
A8.01 SITE DETAILS

ELECTRICAL
E0.01 ELECTRICAL SYMBOLS, NOTES AND SCHEDULES
E0.02 ELECTRICAL ONE-LINE DIAGRAM
E1.01 ELECTRICAL SITE PLAN

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Revisions

No.	Revisions	By	Date	Appr.

HIBSER YAMAUCHI Architects, Inc.
300 – 27th Street
Oakland, CA 94612
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HY Architects Project number: 5774

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD STREET, SAN RAFAEL, CA 94901

Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
TITLE SHEET

Client Project Number:

Scale:
Drawn By: CS
Checked By: LP
Issue Date: 09/26/22
Revit Version: 2023

Sheet
A0.01

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SECTION 02 41 19
Selective Demolition

PART 1 - GENERAL

1.1 DESCRIPTION

A. Scope: Work under this Section shall include:

1. Provide selective demolition as indicated on the drawings and as required by new construction.

2. Asbestos and hazardous materials demolition or removal work is not part of this contract.

1.2 SUBMITTALS

A. Submit for approval selective demolition schedule, including schedule and methods for capping and continuing utility service.

1.3 QUALITY ASSURANCE

A. Comply with governing codes and regulations. Use experienced workmen.

1.4 PROJECT CONDITIONS

A. Coordinate all demolition work with District, with special attention to noise, dust, debris removal, or other disturbances.

B. Schedule utility shutdowns at least 48 hours in advance. Maintain fire protection services during demolition operations.

C. Remove debris, rubbish and other materials resulting from demolition operations from building site. Transport and legally dispose off site.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

3.1 DEMOLITION

A. Do not damage building elements and improvements indicated to remain.

B. All items not listed for "salvage and return to Owner" remain property of District, and shall be collected for reuse or recycling as directed by the Districts Representative. Contractor shall not remove any items of salvage or recycle value from the project site without the express permission of the Districts Representative.

C. Do not close or obstruct streets, walkways, driveways or other occupied or used spaces or facilities without the written permission of the District and authorities having jurisdiction. Do not interrupt utilities serving occupied or used facilities without the written permission of the District and authorities having jurisdiction. If necessary, provide temporary utilities.

D. Cease operations if public safety or remaining structures are endangered. Perform temporary corrective measures until operations can be continued properly.

3.2 SCHEDULE

A. Items to remain in place and protected for reuse: See drawings.

B. Items to be salvaged for reinstallation in this project: Not Applicable.

C. Items to be salvaged and delivered to District: Not Applicable.

D. Utilities requiring interruption, capping, or removal.

END OF SECTION

SECTION 11 66 00
Athletic Equipment

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Athletic equipment.

1.2 SUBMITTALS

A. Shop Drawings: Show list of materials and equipment, sizes of all members, method of construction and operation, installation details, and all other pertinent information.

B. Product Data: Manufacturer's catalog for each item specified, with model number listed, showing mounting, adjustment, and operation of the equipment.

1.3 QUALITY ASSURANCE

A. Material and equipment shall be furnished by manufacturers regularly engaged in production of these items.

B. Manufacturer's recommendations shall be followed in all cases for installation and conditions.

C. Comply with all applicable codes and regulations.

D. Manufacturer shall have a minimum of five prior successful projects similar in scope to this Project and with DSA approval.

E. Engage an experienced installer located and licensed in the State of California and specializing in the installation of equipment similar in type to that required for this Project. The installer and/or manufacturer shall maintain a regular service facility within a 150 mile radius of the area in which the installation is located.

1.4 PROJECT CONDITIONS

A. Examine the substrates and supporting structure and the conditions under which the Work is to be installed, and notify the Architect in writing of conditions detrimental to the Work. Do not proceed with the installation until unsatisfactory conditions have been corrected.

1.5 COORDINATION

A. Cooperate with various other trades in coordinating their Work required in conjunction with Work under this Section.

B. Before fabrication, verify all measurements at jobsite to ensure proper fit, and install in accordance with approved Shop Drawings.

1.6 WARRANTY

A. Manufacturer's Warranties:

1. Provide manufacturer's limited lifetime warranty for all backstop, backboard and goal models listed in section 2.2 below.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers: Porter Athletic, or approved equal.

B. Unless otherwise indicated, products and catalog numbers specified are by Porter Equipment Company and are listed for convenience in establishing required equipment and are listed for appearance, quality, and utility identification only. The listing is not intended to limit selection of similar products from other manufacturers complying with the requirements of the Contract Documents and submitted for approval.

C. Unless modified by these Specifications or notations on the Drawings, catalog description for indicated number shall constitute the basic requirements for each item. Equipment shall incorporate all features set forth in the catalogue for the specified item except for modifications specified herein.

2.2 ATHLETIC EQUIPMENT

A. Backstop: Porter Athletic Model No. 17415, or equal. Face of backboard shall be 4'-0" extended from the centerline of the formed upright support. Upright support shall be 4 1/2" outside diameter, 7 gauge wall, zinc Flo-Coat steel tube formed to an approximate 24" radius. Vertical section shall extend 3'-0" into a concrete footing and shall be secured by welded anchor lugs. Horizontal section shall be fabricated with a special, slotted mounting plate to level the backboard and goal. Bolts from the front mounted goal shall mount directly through the backboard and into the Center-Strut mounting plate to eliminate any strain on

B. Backboard: Porter Model Athletic No. 267, or equal. Molded fiberglass board shall be official size (52" x 39") and shape, with orange perimeter and target area markings. Perimeter flange and structural rib pattern shall be 1 1/2" deep. Tensile strength of board shall be 8,900-11,700 PSI with a 23% to 27% fiberglass content by weight. Goal mounting shall be reinforced with a 3/16" x 6" wide plated steel plate secured to backside of board. Eight (8) 3.8-16 stainless steel threaded inserts shall be molded into backside of backboard at standard mounting centers

C. Goals: Porter Athletic Model No. 236H00, or equal. Shock absorption feature shall be provided by means of a special, offset hinge arrangement rim and backplate mounting housing containing concealed spring mechanisms. Hinge shall be positioned to place goal return impact forces in shear (parallel) to minimize oscillation induced into the face of the backboard. Front of rim shall deflect downward up to 2-1/16" when a static load of 250 pounds is applied and instantly return to playing position when load is released.

Function of goal shall meet the NCAA specifications on moveable rims, which states "A moveable basket ring shall have rebound characteristics identical to those of a non-moveable ring." Goal shall be set at factory for proper flex and rebound requirements.

Rim shall be fabricated from 5/8" diameter cold drawn alloy steel, round formed to an 18" inside diameter ring. Inside diameter of ring shall be positioned 6" from face of backboard by a heavy formed steel, hinged type housing with a removable cover to conceal mounting bolts and spring mechanisms of goal, and also protect against finger entrapment. Goal mounting plate shall be provided with hardware and a 5" x 4" mounting hole pattern for front mounting on standard glass, wood and fiberglass type backboards and is also compatible for use with all Center-Strut direct mount type support frames.

Rim shall be rigidly braced by means of a formed steel brace welded in position on the underside of the rim for maximum support. Rim shall be provided with a unique "tube-tie" net attachment system to eliminate the conventional wire-formed type net locks for additional player safety.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Substrates to receive materials specified under this Section shall be carefully examined before beginning Work. Defects shall be reported to the Architect in writing. Work shall not be started until such defects have been corrected. Starting Work shall imply acceptance of conditions as they exist.

B. Verify field measurements. Report any discrepancies between the Drawing dimensions and field dimensions which will affect the installation to the Architect.

3.2 INSTALLATION

A. Install equipment in accordance with manufacturer's recommendations. Coordinate installation with other trades to assure proper connections and function.

B. Installation of basketball backstops shall not be started until detailed Shop Drawings and Product Data have been accepted by the Architect.

C. Clean and test all movable equipment to assure smooth operation. Adjust as required.

END OF SECTION

SECTION 26 01 00
BASIC ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

A. Work Included in Contract

1. Disconnect and removed all electrical systems from portables to be removed. Removal to include all conduits and conductors and aerial poles and conductors.

2. Disconnect and removed all low voltage systems from portables to be removed including data/telephone, clock/paging and fire alarm. Removal to include all conduits and conductors and aerial poles and conductors.

3. Grounding and bonding per NEC.

4. Provide fire alarm re-programming and Reacceptance Testing per NFPA 14.4.2.

1.2 CODES AND STANDARDS

A. The following shall apply to this Division:

National Electrical Code with California amendments
California Admin. Code, Titles 17, 19, 24, Part 3.
U.L. Electrical Construction Materials List
Codes, rules and regulations as specified hereinafter
Local city and county agencies

1.3 SUBMITTALS

A. Submittals shall include, for each item, the manufacturer, manufacturer's catalog number, type of class, the rating, capacity, size, etc. Submittals shall include:

1. Conduit & Fittings

2. Boxes & Covers

1.4 SUPERVISION OF ELECTRICAL WORK

A. Contractor shall personally, or through an authorized and competent representative, constantly supervise the work from beginning to completion and final acceptance. So far as possible, keep same foreman and workmen throughout the project duration. Work shall be subject to inspection and approval by Architect. Promptly furnish related information when so requested by Architect.

1.5 EQUIPMENT AND SYSTEMS IDENTIFICATION

A. Name Plates: Provide permanent updated identification of circuit breakers in switchboards and panels. (i.e. SPARE) Use black bakelite plates, not less than ½" X 3", with engraved white letters, secured with adhesive.

B. Stencil Work: Identify all motors and operating apparatus in electrical equipment rooms or semi-concealed spaces, with black or white lacquer lettering, not less than ½" high, placed where readily visible upon inspection.

C. Directories: Provide updated panel schedules in modified electrical panels.

D. Provide service description etched on cover of all underground pull boxes.

1.6 OPERATING INSTRUCTIONS ON-SITE

A. At time of occupancy, arrange for manufacturer's representatives to instruct building operating and maintenance personnel in use of any equipment requiring operating and maintenance. Arrange for all personnel to be instructed at one time. Pay all costs for such service (minimum of 4 hours).

1.7 ADJACENT WORK

A. Coordinate work and complete with others in furnishing and placing this work.

B. Work to approved shop drawings for work by others and to field measurements as necessary to properly fit the work.

C. Project adjacent work as necessary; adjacent construction or exposed surfaces or surfaces damaged by use of materials or operations under this Section shall be repaired or replaced as directed by Architect

1.8 DRAWINGS

A. The electrical drawings, which constitute an integral part of this contract, shall serve as the working drawings. They indicate diagrammatically the general layout of the complete electrical system, including the arrangement of feeders, circuits, panelboards, service equipment, and other work. Field verifications of scale dimensions taken from the drawings are directed since actual field locations, distances and elevations will be governed by actual field conditions. Review architectural, structural, mechanical and plumbing drawings and adjust work to conform to all conditions indicated thereon. Discrepancies shown on different plans or between plans and actual field conditions, or between plans and specifications, shall promptly be brought to the attention of the Architect for a decision.

1.9 COORDINATION AND COOPERATION

A. Drawings and specifications are both supplementary and complementary. Taken together, they are intended to define complete working installations of the systems represented, in accordance with approved practice in the trade, and in conformity with all applicable requirements of local jurisdictional offices and officers and codes and enforcing bodies.

B. It shall be presumed that any bid offered under this Division of the Specifications is based on a careful examination of the job site, and of the plans and specifications; that the person(s) or firm(s) awarded a contract hereunder is/are experienced and qualified in the type of work represented; that every effort has been made to prepare complete, accurate and correct plans and specifications; and that reasonable diligence will be exercised in planning and scheduling the work to anticipate conflicts and/or detect errors or omissions. All such shall be immediately reported, and proper resolution agreed on between concerned parties before the work affected is performed. If due to lack of diligence, or to incompetence, failure to anticipate such problems shall not create a valid claim for extra costs or charges.

C. Requirements of other trades, of utility companies, and of fire departments, protective services, communication systems, or other facilities of a utility nature, shall be determined prior to installation of systems, equipment, devices or materials affected by or dependent on such requirements.

D. Unapproved deviations or changes based on a presumption of error or code violation, or work not suitable for its intended function, may not be accepted.

E. Nothing herein shall act to prevent or discourage the contractor from suggesting or discussing possible changes in the work where such might be beneficial to the contractor or the owner, or might facilitate the work of this or other trades.

F. Any work resulting in a claim for a change in the contract price must be approved and fully documented.

1.10 VISIT TO SITE

A. Visit the project site, take requisite measurements, and verify exact location of buildings, utilities, and other facilities, and obtain such other information as is necessary for an intelligent bid. No allowance will subsequently be made by the Architect or Owner for any error or omission on the part of the bidder in this connection.

1.11 RECORD DRAWINGS

A. Record of Job Progress: Keep an accurate dimensional record of the "as-built" locations and of all work; all as required. This record shall be kept up-to-date on blueline prints as the job progresses and shall be available for inspection at all times. It shall be reviewed by inspector prior to each monthly application for payment.

B. Include on "as-built" drawings:

1. Routing of all buried or concealed electrical feeders and conduits.

C. Upon completion of the work, a completed set of as-built drawings and electronic file (ACAD 2014 or later) shall be delivered to the Architect.

1.12 GUARANTEE

A. All work shall be guaranteed for a minimum period of one year from either the official date of completion or from the date of acceptance by the Owner, whichever is the later date. The guarantee period for certain items shall be longer, as indicated in the specification for those items.

B. Should any trouble develop during the guarantee time due to defective material, faulty workmanship, or non-compliance with plans, specifications, codes or directions of the Owner, Architect, Engineer or Inspector, the Contractor shall furnish all necessary labor and materials to correct the trouble without additional charges.

1.13 COMMISSIONING

A. Electrical systems including lighting and lighting controls, occupancy sensors, daylight controls, switching systems, exterior lighting controls and uninterruptible power supplies will be commissioned per the requirements specified in Commissioning Requirements."

END OF SECTION

SECTION 26 05 00
BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Electrical identification.

2. Electrical demolition.

3. Cutting and patching for electrical construction.

1.2 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

B. Comply with NFPA 70.

1.3 COORDINATION

A. Coordinate chases, slots, inserts, sleeves, and openings for electrical supports, raceways, and cable with general construction work.

B. Sequence, coordinate, and integrate installing electrical materials and equipment for efficient flow of the Work. Coordinate installing large equipment that requires positioning before closing in the building.

C. Coordinate location of access panels and doors for electrical items that are concealed by finished surfaces.

D. Where electrical identification devices are applied to field-finished surfaces, coordinate installation of identification devices with completion of finished surface.

PART 2 - PRODUCTS

2.1 SUPPORTING DEVICES

A. Material: Cold-formed steel, with corrosion-resistant coating.

B. Metal Items for Use Outdoors or in Damp Locations: Hot-dip galvanized steel.

C. Slotted-Steel Channel: Flange edges turned toward web, and 9/16-inch- diameter slotted holes at a maximum of 2 inches o.c., in webs. Strength rating to suit structural loading.

D. Slotted Channel Fittings and Accessories: Recommended by the manufacturer for use with the type and size of channel with which used.

1. Materials: Same as channels and angles, except metal items may be stainless steel.

E. Raceway and Cable Supports: Manufactured clevis hangers, riser clamps, straps, threaded C-clamps with retainers, ceiling trapeze hangers, wall brackets, and spring-steel clamps or click-type hangers.

F. Pipe Sleeves: ASTM A 53, Type E, Grade A, Schedule 40, galvanized steel, plain ends.

G. Cable Supports for Vertical Conduit: Factory-fabricated assembly consisting of threaded body and insulating wedging plug for nonarmored electrical cables in riser conduits. Plugs have number and size of conductor gripping holes as required to suit individual risers. Body constructed of malleable-iron casting with hot-dip galvanized finish.

H. Expansion Anchors: Carbon-steel wedge or sleeve type.

I. Toggle Bolts: All-steel springhead type.

J. Powder-Driven Threaded Studs: Heat-treated steel.

2.2 ELECTRICAL IDENTIFICATION

A. Identification Device Colors: Use those prescribed by ANSI A13.1, NFPA 70, and these Specifications.

B. Colored Adhesive Marking Tape for Raceways, Wires, and Cables: Self-adhesive vinyl tape, not less than 1 inch wide by 3 mils thick.

C. Tape Markers for Conductors: Vinyl or vinyl-cloth, self-adhesive, wraparound type with preprinted numbers and letters.

D. Color-Coding Cable Ties: Type 6/6 nylon, self-locking type. Colors to suit coding scheme.

E. Underground Warning Tape: Permanent, bright-colored, continuous-printed, vinyl tape compounded for permanent direct-burial service, and with the following features:

1. Not less than 6 inches wide by 4 mils thick.

(CONTINUED ON SHEET A0.03)

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Revisions

No.	Revisions	By	Date	Appr.

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HY Architects Project number: 5774

Facility
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150 3RD STREET, SAN RAFAEL, CA 94901

Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
SPECIFICATIONS

Client Project Number:

Scale:
Drawn By: CS
Checked By: CH
Issue Date: 09/26/22
Revit Version: 2023

Sheet
A0.02

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2. Embedded continuous metallic strip or core.
3. Printed legend that indicates type of underground line.

F. Engraved-Plastic Labels, Signs, and Instruction Plates: Engraving stock, melamine plastic laminate punched or drilled for mechanical fasteners 1/16-inch minimum thickness for signs up to 20 sq. in. and 1/8-inch minimum thickness for larger sizes. Engraved legend in black letters on white background.

G. Warning and Caution Signs: Preprinted; comply with 29 CFR 1910.145, Chapter XVII. Colors, legend, and size appropriate to each application.

1. Interior Units: Aluminum, baked-enamel-finish, punched or drilled for mechanical fasteners.
2. Exterior Units: Weather-resistant, nonfading, preprinted, cellulose-acetate butyrate with 0.0396-inch, galvanized-steel backing. 1/4-inch grommets in corners for mounting.

H. Fasteners for Nameplates and Signs: Self-tapping, stainless-steel screws or No. 10/32 stainless-steel machine screws with nuts and flat and lock washers.

PART 3 - EXECUTION

3.1 ELECTRICAL EQUIPMENT INSTALLATION

A. Headroom Maintenance: If mounting heights or other location criteria are not indicated, arrange and install components and equipment to provide maximum possible headroom.

B. Materials and Components: Install level, plumb, and parallel and perpendicular to other building systems and components, unless otherwise indicated.

C. Equipment: Install to facilitate service, maintenance, and repair or replacement of components. Connect for ease of disconnecting, with minimum interference with other installations.

D. Right of Way: Give to raceways and piping systems installed at a required slope.

3.2 ELECTRICAL SUPPORTING DEVICE APPLICATION

A. Damp Locations and Outdoors: Hot-dip galvanized materials or nonmetallic, slotted channel system components.

B. Dry Locations: Steel materials.

C. Strength of Supports: Adequate to carry present and future loads, times a safety factor of at least four with, 200-lb minimum design load for each support element.

3.3 SUPPORT INSTALLATION

A. Support parallel runs of horizontal raceways together on trapeze- or bracket-type hangers.

B. Size supports for multiple raceway or cable runs so capacity can be increased by a 25 percent minimum in the future.

C. Support individual horizontal single raceways with separate, malleable-iron pipe hangers or clamps except use spring-steel fasteners for 1-1/2-inch and smaller single raceways above suspended ceilings and for fastening raceways to slotted channel and angle supports.

D. Install sleeves for cable and raceway penetrations of concrete slabs and walls unless core-drilled holes are used. Install sleeves for cable and raceway penetrations of masonry and fire-rated gypsum walls and of all other fire-rated floor and wall assemblies. Install sleeves during erection of concrete and masonry walls.

E. Secure electrical items and their supports to building structure, using the following methods unless other fastening methods are indicated:

1. Wood: Wood screws or screw-type nails.
2. Gypsum Board: Toggle bolts. Seal around sleeves with joint compound, both sides of wall.
3. Masonry: Toggle bolts on hollow block and expansion bolts on solid block. Seal around sleeves with mortar, both sides of wall.
4. New Concrete: Concrete inserts with machine screws and bolts.
5. Existing Concrete: Expansion bolts.
6. Structural Steel: Spring-tension clamps.
   a. Comply with AWS D1.1 for field welding.
7. Light Steel Framing: Sheet metal screws.
8. Fasteners for Damp, Wet, or Weather-Exposed Locations: Stainless steel.
9. Light Steel: Sheet-metal screws.
10. Fasteners: Select so load applied to each fastener does not exceed 25 percent of its proof-test load.

3.4 IDENTIFICATION MATERIALS AND DEVICES

A. Install at locations for most convenient viewing without interference with operation and maintenance of equipment.

B. Coordinate names, abbreviations, colors, and other designations used for electrical identification with corresponding designations indicated in the Contract Documents or required by codes and standards. Use consistent designations throughout Project.

C. Self-Adhesive Identification Products: Clean surfaces before applying.

D. Tag and label circuits designated to be extended in the future. Identify source and circuit numbers in each cabinet, pull and junction box, and outlet box. Color-coding may be used for voltage and phase identification.

E. Install continuous underground plastic markers during trench backfilling, for exterior underground power, control, signal, and communication lines located directly above power and communication lines. Locate 6 to 8 inches below finished grade. If width of multiple lines installed in a common trench or concrete envelope does not exceed 16 inches, overall, use a single line marker.

F. Install warning, caution, and instruction signs where required to comply with 29 CFR 1910.145, Chapter XVII, and where needed to ensure safe operation and maintenance of electrical systems and of items to which they connect. Indoors install engraved plastic-laminated instruction signs with approved legend where instructions are needed for system or equipment operation. Install metal-backed butyrate signs for outdoor items.

G. Install, where applicable, engraved-laminated emergency-operating signs with white letters on red background with minimum 3/8-inch- high lettering for emergency instructions on power transfer, load shedding, and other emergency operations.

H. Provide service description etched on cover of all underground pull boxes.

3.5 FIRESTOPPING

A. Apply firestopping to cable and raceway sleeves and other penetrations of fire-rated floor and wall assemblies to restore original undisturbed fire-resistance ratings of assemblies.

3.6 DEMOLITION

A. Protect existing electrical equipment and installations indicated to remain. If damaged or disturbed in the course of the Work, remove damaged portions and install new products of equal capacity, quality, and functionality.

B. Accessible Work: Remove exposed electrical equipment and installations, indicated to be demolished, in their entirety.

C. Abandoned Work: Cut and remove buried raceway and wiring, indicated to be abandoned in place, 2 inches below the surface of adjacent construction. Cap raceways and patch surface to match existing finish.

D. Remove, store, clean, reinstall, reconnect, and make operational components indicated for relocation.

3.7 CUTTING AND PATCHING

A. Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces required to permit electrical installations. Perform cutting by skilled mechanics of trades involved.

B. Repair, refinish and touch up disturbed finish materials and other surfaces to match adjacent undisturbed surfaces.

END OF SECTION

SECTION 32 12 16
Asphalt Paving

PART 1 - GENERAL

1.1 REFERENCES

A. The following documents form a part of these specifications to the extent stated herein.

B. State of California, Department of Transportation (CALTRANS)

CALTRANS Standard Specifications:
Sec 26. Aggregate Bases
Sec 37. Bituminous Seals
Sec 39. Asphalt Concrete
Sec 88 Geosynthetics
Sec 92. Asphalts
Sec 93. Liquid Asphalts
Sec 94. Asphaltic Emulsions

1.2 SUMMARY

A. Section Includes:

1. Cold milling of existing asphalt pavement.
2. Hot-mix asphalt patching.
3. Hot-mix asphalt paving.
4. Hot-mix asphalt overlay.
5. Asphalt surface treatments.

1.3 PRECONSTRUCTION MEETINGS

A. Preconstruction Conference: Conduct conference if required by the District.

1. Review methods and procedures related to hot-mix asphalt paving including, but not limited to, the following:
   a. Review proposed sources of paving materials, including capabilities and location of plant that will manufacture hot-mix asphalt.
   b. Review requirements for protecting paving work, including restriction of traffic during installation period and for remainder of construction period.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include technical data and tested physical and performance properties.
2. Job-Mix Designs: Certification, by authorities having jurisdiction, of approval of each job mix proposed for the Work.
3. Job-Mix Designs: For each job mix proposed for the Work.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For manufacturer and testing agency.

B. Material Certificates: For each paving material.

C. Material Test Reports: For each paving material, by a qualified testing agency.

D. Field quality-control reports.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Perform work in accordance with the State of California, Department of Transportation (CALTRANS) Standard Specifications, Sec 26, 37, 39, 88 92, 93, and 94.

B. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of State of California, Department of Transportation (CALTRANS) Standard Specifications for asphalt paving work.

1. Measurement and payment provisions and safety program submittals included in standard specifications do not apply to this Section.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if the following conditions are not met:

1. Tack Coat: Minimum surface temperature of 60 deg F (15.6 deg C).
2. Slurry Seal: Comply with CALTRANS Standard Specification Section 37-3.03D(4)(a)(iii);
3. Asphalt Base Course: Minimum surface temperature of 50 deg F (10 deg C) and rising at time of placement.
4. Asphalt Surface Course: Minimum surface temperature of 60 deg F (15.6 deg C) at time of placement.

PART 2 - PRODUCTS

2.1 AGGREGATES

General: Use materials and gradations that comply with CALTRANS Standard Specification Section 39-1.02E: Aggregate:

1. 1/2-inch maximum HMA, Type A for asphalt concrete overlay

2.2 ASPHALT MATERIALS

A. Asphalt Binder: Comply with CALTRANS Standard Specification Section 39-1.02C Hot Mix Asphalt PG 64-10.

B. Tack Coat: Comply with CALTRANS Standard Specification Section 39-1.02B, Hot Mix Asphalt, grade SS1h asphaltic emulsion.

C. Fog Seal: Comply with CALTRANS Standard Specification Section 37-2.02D; Bituminous Seals, grade SS1h asphaltic emulsion.

D. Water: Potable.

2.3 AUXILIARY MATERIALS

A. Herbicide: Commercial chemical for weed control, registered by the EPA, and not classified as "restricted use" for locations and conditions of application. Provide in granular, liquid, or wettable powder form.

B. Sand: Comply with CALTRANS Standard Specification Section 39-1.02E.

C. Geotechnical Subsurface Reinforcement: Comply with CALTRANS Standard Specification Section 88-102D

2.4 MIXES

A. Hot-Mix Asphalt: Dense-graded, hot-laid, hot-mix asphalt plant mixes complying with CALTRANS sec 39-1.03 and complying with the following requirements:

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that subgrade is dry and in suitable condition to begin paving.

B. Proceed with paving only after unsatisfactory conditions have been corrected.

3.2 COLD MILLING

A. Clean existing pavement surface of loose and deleterious material immediately before cold milling. Remove existing asphalt pavement by cold milling to grades and cross sections indicated.

1. Mill to a depth of 2 inches (50 mm).
2. Mill to a uniform finished surface free of excessive gouges, grooves, and ridges.
3. Control rate of milling to prevent tearing of existing asphalt course.
4. Repair or replace curbs, manholes, and other construction damaged during cold milling.
5. Excavate and trim unbound-aggregate base course, if encountered, and keep material separate from milled hot-mix asphalt.
6. Patch surface depressions deeper than 1 inch (25 mm) after milling, before wearing course is laid.
7. Handle milled asphalt material according to approved waste management plan required in Section 017419 "Construction Waste Management and Disposal."
8. Keep milled pavement surface free of loose material and dust.
9. Do not allow milled materials to accumulate on-site unless requested by the District.

3.3 PATCHING

A. Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches (300 mm) into perimeter of adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove excavated material. Recompact existing unbound-aggregate base course to form new subgrade.

B. Tack Coat: Before placing patch material, apply tack coat uniformly to vertical asphalt surfaces abutting the patch. Apply at a rate of 0.05 gal./sq. yd. (0.2 L/sq. m).

1. Allow tack coat to cure per manufacturers requirements, undisturbed before applying hot-mix asphalt paving.
2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

C. Placing Patch Material: Fill excavated pavement areas with hot-mix asphalt base mix for full thickness of patch and, while still hot, compact flush with adjacent surface.

D. Placing Patch Material: Partially fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact. Cover asphalt base course with compacted, hot-mix surface layer finished flush with adjacent surfaces.

3.4 REPAIRS

A. Leveling Course: Install and compact leveling course consisting of hot-mix asphalt surface course to level sags and fill depressions deeper than 1 inch (25 mm) in existing pavements.

1. Install leveling wedges in compacted lifts not exceeding 3 inches (75 mm) thick.

B. Crack and Joint Filling: Remove existing joint filler material from cracks or joints to a depth of 1/4 inch (6 mm).

1. Clean cracks and joints in existing hot-mix asphalt pavement.
2. Use emulsified-asphalt slurry to seal cracks and joints less than 1/4 inch (6 mm) wide. Fill flush with surface of existing pavement and remove excess.
3. Use hot-applied joint sealant to seal cracks and joints more than 1/2 inch (12 mm) wide. Fill flush with surface of existing pavement and remove excess.
4. Refer to "3.3 Patching" for cracks greater than ½ inch.

3.5 SURFACE PREPARATION

A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.

B. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.

C. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.15 gal./sq. yd. (0.6 L/sq. m).

1. Allow tack coat to cure per manufacturers requirements undisturbed before applying hot-mix asphalt paving.
2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.6 GEOSYNTHETIC PAVEMENT INSTALLATION

A. Comply with CALTRANS Standard Specification Section 39-1.09.

B. Apply asphalt binder uniformly to existing pavement surfaces at a rate of 0.25 gal./sq. yd. (to 1.0 L/sq. m).

C. Place paving geosynthetic promptly according to manufacturer's written instructions. Broom or roll geotextile smooth and free of wrinkles and folds. Overlap longitudinal joints 4 inches (100 mm) and transverse joints 6 inches (150 mm).

D. Protect paving geosynthetic from traffic and other damage, and place hot-mix asphalt overlay the same day.

3.7 PLACING HOT-MIX ASPHALT

A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.

1. Place hot-mix asphalt base course in number of lifts and thicknesses indicated.
2. Place hot-mix asphalt surface course in single lift.
3. Spread mix at a minimum temperature of 250 deg F (121 deg C).
4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes unless otherwise indicated.
5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.

B. Place paving in consecutive strips not less than 10 feet (3 m) wide unless infill edge strips of a lesser width are required.

1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Overlap mix placement about 1 to 1-1/2 inches (25 to 38 mm) from strip to strip to ensure proper compaction of mix along longitudinal joints.
2. Complete a section of asphalt base course before placing asphalt surface course.

C. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.8 JOINTS

A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.

3.9 COMPACTION

A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers.

1. Complete compaction before mix temperature cools to 185 deg F (85 deg C).

B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.

C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:

1. Average Density: 96 percent of reference laboratory density according to ASTM D 6927, but not less than 94 percent or greater than 100 percent.

D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.

E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.

F. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh, hot-mix asphalt. Compact by rolling to specified density and surface smoothness.

G. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

H. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.10 INSTALLATION TOLERANCES

A. Pavement Thickness: Compact each course to produce the thickness indicated within the following tolerances:

1. Base Course: Plus or minus 1/2 inch (13 mm).
2. Surface Course: Plus 1/4 inch (6 mm), no minus.

B. Pavement Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 12-foot (3.6-m) straightedge applied transversely or longitudinally to paved areas:

1. Base Course: 1/4 inch (6 mm).
2. Surface Course: 1/8 inch (3 mm).
3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch (6 mm).

3.11 SURFACE TREATMENTS

A. Fog Seals: Apply fog seal at a rate of 0.10 to 0.15 gal./sq. yd. to existing asphalt pavement and allow to cure. With fine sand, lightly dust areas receiving excess fog seal.

B. Slurry Seals: Apply slurry seals according to CALTRANS Standard Specification Section 37-3.

1. Roll slurry seal to remove ridges and provide a uniform, smooth surface.

3.12 FIELD QUALITY CONTROL

A. Testing Agency: The District will engage a qualified testing agency to perform tests and inspections.

B. Thickness: In-place compacted thickness of hot-mix asphalt courses will be determined according to ASTM D 3549.

C. Surface Smoothness: Finished surface of each hot-mix asphalt course will be tested for compliance with smoothness tolerances.

D. FLOOD TEST

A. Prior to application of seal coat, perform a flood test in the presence of the District.

(CONTINUED ON SHEET A0.04)

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Revisions

No.	Revisions	By	Date	Appr.

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HY Architects Project number: 5774

Facility
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Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
SPECIFICATIONS

Client Project Number:

Scale:
Drawn By: CS
Checked By: CH
Issue Date: 09/26/22
Revit Version: 2023

Sheet
A0.03

Method:

1. Flood the entire asphaltic concrete paved area with water by use of a tank truck or hoses.
2. If a depression is found where water ponds to a depth of more than 1/8" in six feet, fill or otherwise correct to provide proper drainage.
3. Feather and smooth the edges of fill so that the joint between fill and original surface is invisible.

3.13 WASTE HANDLING

A. General: Handle asphalt-paving waste according to approved waste management plan required in Section 017419 "Construction Waste Management and Disposal."

END OF SECTION

SECTION 32 17 23
Pavement Markings

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Materials and equipment for completion of pavement markings on existing paving.

1.2 REFERENCES

A. California Department of Transportation (CDT): "Standard Specifications," latest edition.

1.3 QUALITY ASSURANCE

A. Regulatory Requirements: Paint shall comply with the regulations of the California Air Resources Board applicable to the geographic area where the Project is located.

B. Specifications, standards, tests and recommended methods cited in the CDT "Standard Specifications" shall determine quantity and quality of materials and methods, unless specifically designated otherwise.

1.4 SUBMITTALS

A. Product Data: Manufacturer's product description brochures and application instructions.

1.5 PROJECT CONDITIONS

A. Striping shall not be applied at temperatures below 50°F, or if pavement surfaces are wet.

PART 2 - PRODUCTS

2.1 PAVEMENT STRIPING PAINT

A. Vinyl emulsion type, white color.

B. Striping Products:

1. W801 "Vin-L-Stripe Traffic Paint," manufactured by Dunn-Edwards.
2. INSL-X TP-22XX "Latex Traffic Paint," manufactured by Benjamin Moore.
3. Substitutions: Equivalent products to be submitted to Architect for approval.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Follow manufacturer's printed instructions and details shown.

B. Paint stripes, to dimensions and alignment shown, in the contract documents.

3.2 APPLICATION

A. Surfaces to be painted shall be clean and dry prior to painting.

1. Ample time shall be allowed between the asphalt pavement seal coat and the initial painting application.
2. Usual drying time of pavement seal coat is approximately 3 to 4 days, depending on weather conditions.
3. Minimum drying time between paint applications shall be approximately 20 minutes.

B. Types of Traffic Paint Markings:

1. White Court Striping:
   a. Solid 2" line.

C. Rates of application shall be in accordance with manufacturer's recommendations.

1. Surfaces shall have traffic paint applied in two applications.
   a. First or priming coat shall be in light applications to seal pavement.
   b. Second heavier coat shall be a wearing surface. Glass beads shall be applied at a rate of 5 pounds per gallon of paint in second coat.

D. Alignment of striping shall be laid out accurately. Lines which do not conform to the alignment as set forth on the Drawings or which have a wavy appearance shall be removed and replaced by the Contractor at no additional cost to District.

3.3 REMOVAL OF STRIPES

A. All stripes not in conformance with the proposed striping plan shall be removed by sandblasting.

1. Painting out with black paint will not be allowed, unless specifically indicated on the Drawings.
2. In slurry seal and asphalt concrete overlay areas, painted stripes and markings need not be removed prior to sealing or overlay operations.

B. After removal of paint, apply fog seal coat of SS-1h emulsified asphalt per Section 94 of the CDT "Standard Specifications" to all asphalt surfaces affected by the removal operations.

1. Fog seal coats shall be given ample time to dry prior to initial painting application.

END OF SECTION

SAN RAFAEL CITY SCHOOLS
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Revisions

No.	Revisions	By	Date	Appr.

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Oakland, CA 94612
510.446.2222 tel ¦ 510.446.2211 fax

HY Architects Project number: 5774

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD STREET, SAN RAFAEL, CA 94901

Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
SPECIFICATIONS

Client Project Number:

Scale:
Drawn By: CS
Checked By: CH
Issue Date: 09/26/22
Revit Version: 2023

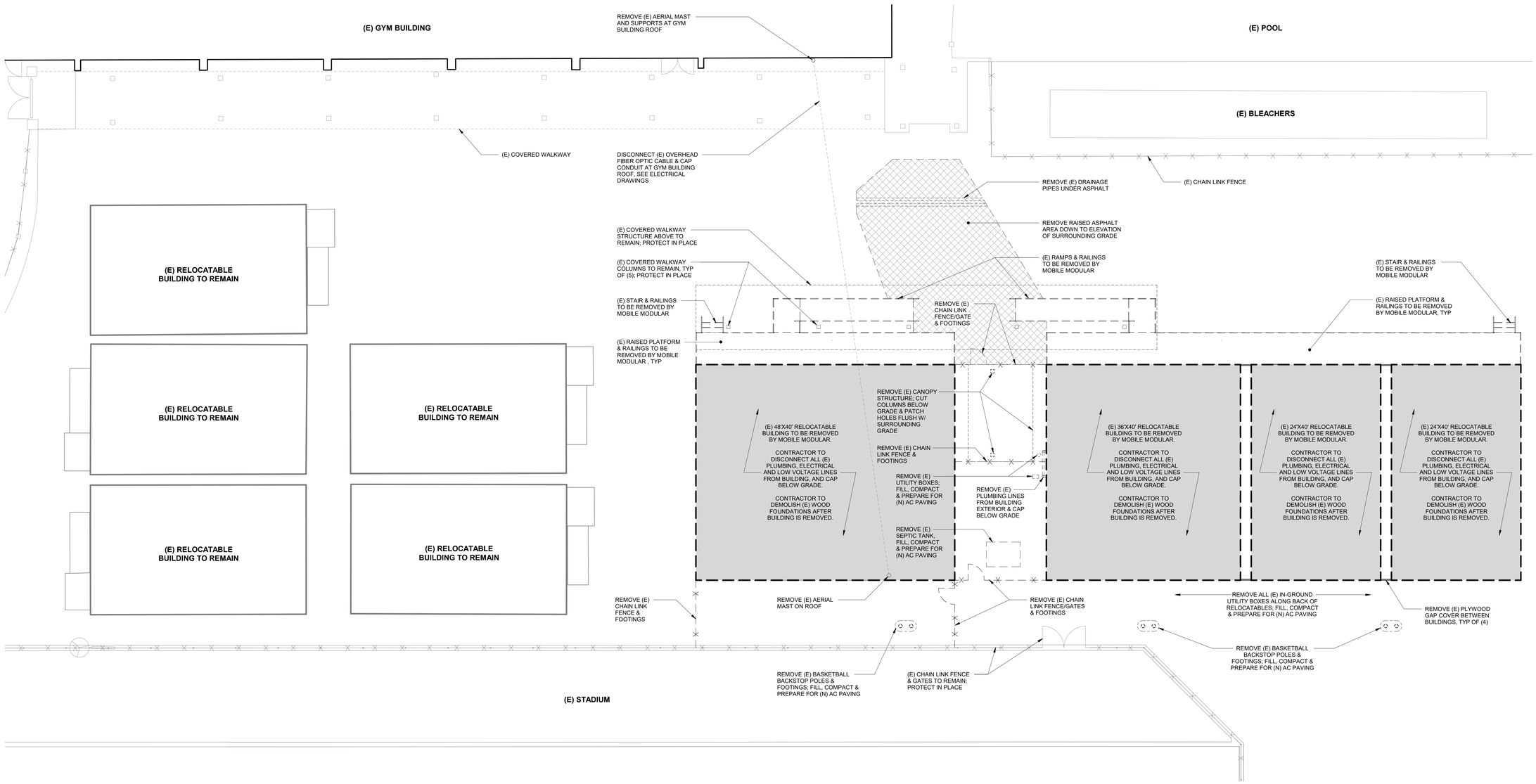
Sheet
A0.04

0 5' 50'
GRAPHIC SCALES: 1/16" = 1'-0"
0 5' 25'
1/8" = 1'-0"
0 1' 12'
1/4" = 1'-0"
0 1' 6'
1/2" = 1'-0"
0 4'
3/4" = 1'-0"
0 1' 3'
1" = 1'-0"
0 2'
1 1/2" = 1'-0"
0 1"
3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

GENERAL NOTES

1. SALVAGE ALL ELECTRICAL PANELS & FEEDERS
2. SALVAGE ALL FIRE ALARM & BOGEN COMPONENTS
3. SALVAGE ALL ELECTRICAL CONDUIT MOUNTED TO EXTERIOR OF PORTABLES



29 DEMOLITION SITE PLAN

1/8" = 1'-0"

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Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
DEMOLITION SITE PLAN

Client Project Number:

Scale:	1/8" = 1'-0"
Drawn By:	CS
Checked By:	LP
Issue Date:	09/26/22
Revit Version:	2023

Sheet
A1.03

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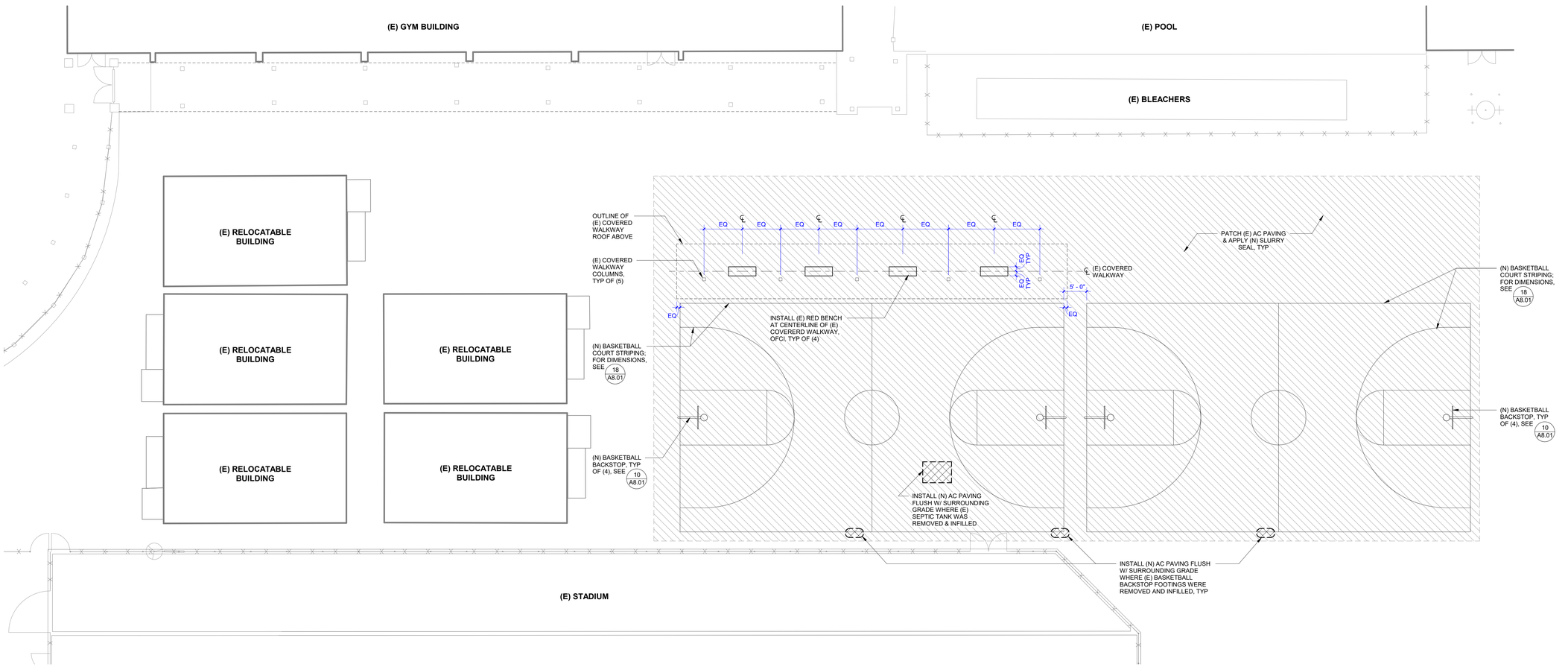

29 SITE PLAN
1" = 10'-0"

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Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
SITE PLAN

Client Project Number:

Scale: 1" = 10'-0"
Drawn By: CS
Checked By: LP
Issue Date: 09/26/22
Revit Version: 2023

Sheet
A1.04

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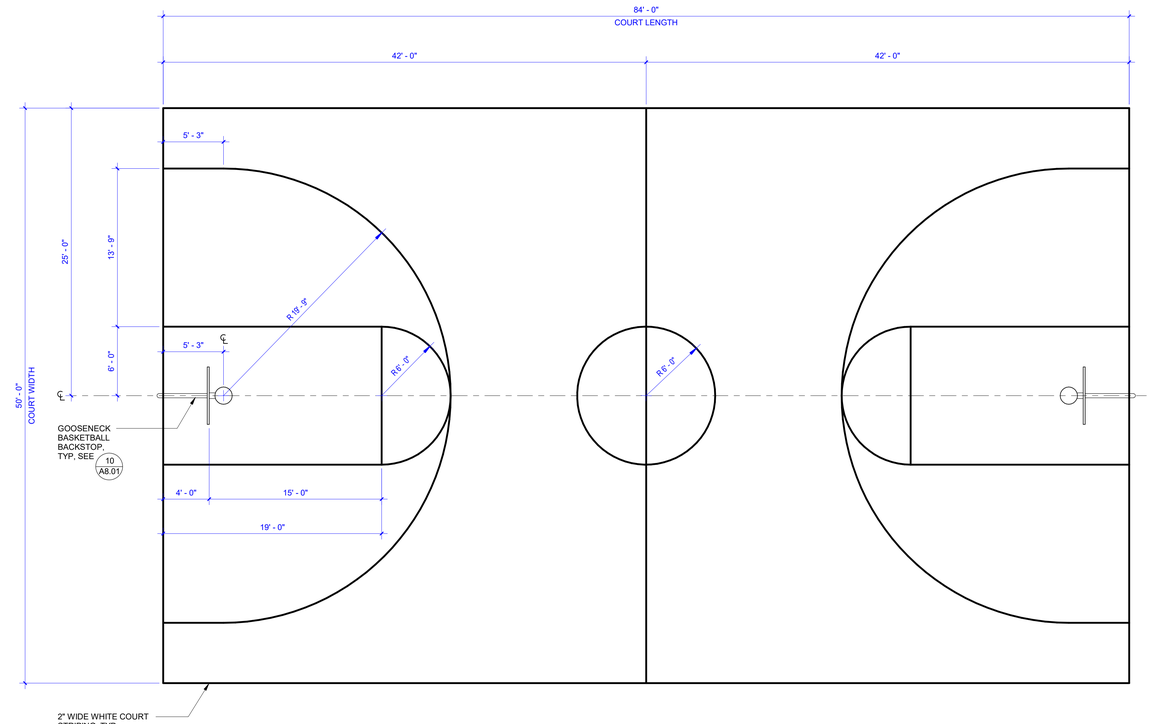
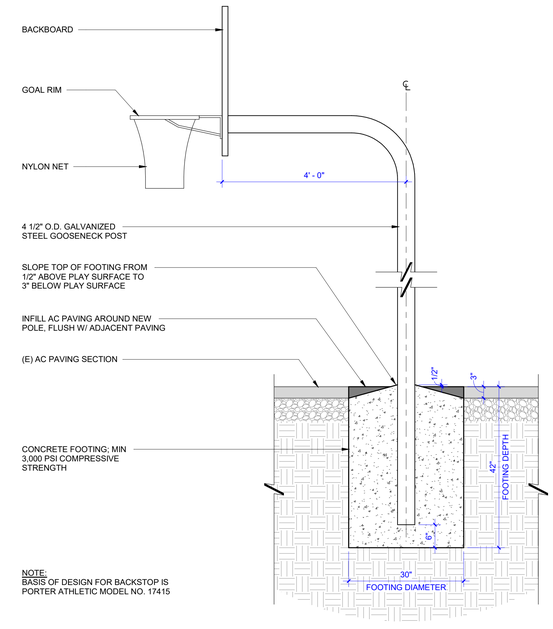


NOTE:
VERIFY OFFICIAL HIGH SCHOOL COURT DIMENSIONS PRIOR TO INSTALLATION OF STRIPING

18 BASKETBALL COURT STRIPING
3/16" = 1'-0"



NOTE:
BASIS OF DESIGN FOR BACKSTOP IS PORTER ATHLETIC MODEL NO. 17415

10 BASKETBALL BACKSTOP POST FOOTING
3/4" = 1'-0"

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Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
SITE DETAILS

Client Project Number:

Scale: As indicated
Drawn By: CS
Checked By: LP
Issue Date: 09/26/22
Revit Version: 2023

Sheet
A8.01

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0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"

0 5' 25' 1/8" = 1'-0"

0 1' 12' 1/4" = 1'-0"

0 1' 6' 1/2" = 1'-0"

0 4' 3/4" = 1'-0"

0 1" 3' 1" = 1'-0"

0 2' 1 1/2" = 1'-0"

0 1' 3" = 1'-0"

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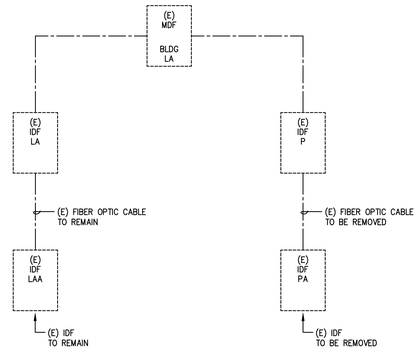
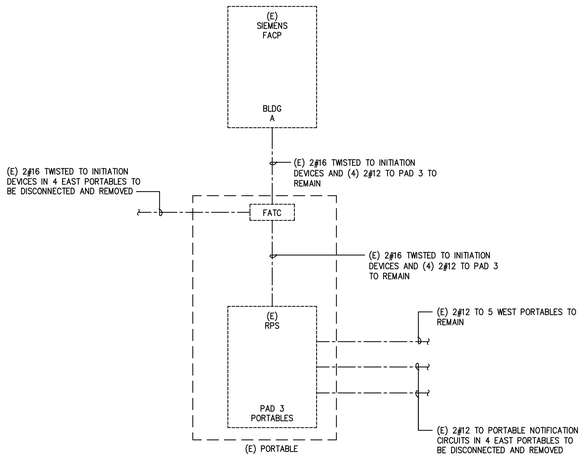


1 DATA RISER DIAGRAM

NOT TO SCALE



2 FIRE ALARM RISER DIAGRAM

NOT TO SCALE

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR IS TO PROVIDE LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, RELATED HAND TOOLS, SPECIAL AND OCCASIONAL SERVICES TO CONSTRUCT AND INSTALL THE COMPLETE ELECTRICAL SYSTEM AS SPECIFIED AND SHOWN ON THE PLANS.
2. MOUNTING HEIGHTS SHALL BE A MAXIMUM +48" TO TOP OF BOX OR MINIMUM 15" TO BOTTOM OF BOX PER CBC 1142A. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON SYMBOL LIST UNLESS OTHERWISE NOTED ON DRAWINGS.
3. BONDING JUMPERS SHALL BE INSTALLED TO INSURE CONTINUITY WHERE CONDUIT CONNECTIONS AT CONCENTRIC KNOCKOUTS ARE TO SERVE AS A GROUND.
4. PROVIDE GREEN THWN COPPER GROUND WIRE FROM PANELBOARD GROUND BUS TO ALL BRANCH CIRCUITS.
5. THE ELECTRICIAN SHALL CHECK THE TIGHTNESS OF ALL PANELBOARD BUSES AND CIRCUIT BREAKER LUGS. COMPLETELY VACUUM AND CLEAN INTERIOR OF EQUIPMENT PRIOR TO TURN OVER TO THE OWNER.
6. ALL NEW AND EXISTING PANELBOARDS AND SWITCHBOARDS SHALL BE PROVIDED WITH NEW TYPEWRITTEN DIRECTORIES TO IDENTIFY THE LOCATION OF EACH LOAD SERVED.
7. ALL EQUIPMENT SHALL BE U.L. LISTED AND INSTALLED AS PER LISTING OR LABELING (I.E. MAX. FUSE SIZES MEAN FUSE PROTECTION REQUIRED).
8. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL LAYOUTS OF ALL LIGHTING FIXTURES AND EQUIPMENT.
9. CONTRACTOR TO COORDINATE ALL NEW WORK WITH ALL OTHER TRADES FOR A SMOOTH FLOW OF INSTALLATION WORK.
10. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL WALLS, FLOORS AND CEILINGS INCURRED DURING ELECTRICAL CONSTRUCTION. IF DAMAGE OCCURS DURING ELECTRICAL CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR TO PATCH, PAINT AND REPAIR TO MATCH EXISTING CONDITIONS.
11. COORDINATE EQUIPMENT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT REQUIRING ELECTRICAL HOOK-UP WITH CONTRACTOR RESPONSIBLE FOR PROVIDING EQUIPMENT AND EQUIPMENT MANUFACTURER DATA SHEETS.
12. COORDINATE ELECTRICAL OUTLET LOCATIONS WITH ARCHITECTURAL ELEVATIONS (I.E. CABINETRY). AVOID ALL COUNTER SUPPORTS, AND LOCATIONS BEHIND INACCESSIBLE FIXED CABINETS.
13. UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
14. ALL CORRIDOR AND EXTERIOR WALL PENETRATIONS FOR PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL.
15. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF MANUFACTURER'S OR OWNER'S DATA AVAILABLE AND/OR VERIFY DATA IN THE FIELD FOR PROVIDING AND INSTALLING CORRECT CABLE LENGTHS.
16. ALL EQUIPMENT MUST BE LISTED, LABELED, OR CERTIFIED BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL).
17. MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE PROJECT MANUAL.
18. ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRIC CODE, LATEST EDITION.
19. ALL EXTERIOR CONDUIT ABOVE GRADE INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE RIGID GALVANIZED STEEL, U.O.N. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT.
20. ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
21. ALL UNDERGROUND CONDUIT RUNS SHALL BE SEALED TO PREVENT GAS/MOISTURE ENTERING THE PIPE PER ARTICLE 230-8, 300.5 AND 300.5OE.
22. PROVIDE EXPANSION FITTINGS AND/OR CONDUIT FLEX TO CONDUITS PASSING THROUGH STRUCTURAL EXPANSION JOINT SYSTEM. VERIFY/COORDINATE WITH ARCHITECT FOR LOCATION.
23. ALL SIGNAL WIRING/CABLING(TELEPHONE/INTERCOM/DATA/FIRE ALARM/CATV/INTRUSION ALARM SYSTEMS) SHALL BE NEATLY TERMINATED WITH TERMINAL BLOCKS AND LABELED WITH WIRE MARKERS AT ITS CABINETS/PANELS.
24. ALL RACEWAY PASSING THROUGH EXPANSION JOINT AREA SHALL BE PROVIDED WITH EXPANSION JOINT FITTINGS AND/OR FLEX CONDUIT AS REQUIRED.
25. ALL EQUIPMENT/COMPONENTS/DEVICES INSTALLED OUTDOOR SHALL BE U.L. LISTED FOR WET LOCATION.
26. ALL CONDUIT STUB OUTS AND CONDUITS TERMINATING TO A J-BOX, CABINET, AND THE LIKE SHALL BE PROVIDED WITH INSULATED THROAT. BOX OR CABINET COVER SHALL BE LABELED AS TO USE.

ELECTRICAL SYMBOL LIST

NOTE: DASHED SYMBOLS ON PLANS DENOTE EXISTING DEVICES

J	JUNCTION BOX, CEILING OR WALL MOUNTED - SIZED PER CODE
FACP	FIRE ALARM CONTROL PANEL (FACP)
RPS	FIRE ALARM REMOTE POWER SUPPLY
	DISCONNECT SWITCH - FUSED AS REQUIRED, WEATHERPROOF FOR OUTDOORS, SIZED PER MANUFACTURER'S REQUIREMENTS
	EXISTING CONDUIT
	BRANCH CIRCUIT CONDUIT CONCEALED IN WALL OR CEILING
	BRANCH CIRCUIT CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND
	HOMERUN TO PANELBOARD OR OTHER TERMINATION POINT
	STUB CONDUIT TO ACCESSIBLE SPACE
	CONDUIT UP
	CONDUIT DOWN
	ANY BRANCH CIRCUIT CONDUIT SHALL BE MINIMUM 3/4"C - 2#12, 1#12 GREEN GROUND UNLESS OTHERWISE NOTED. FOR A GREATER NUMBER OF #12 WIRES: (= 3/4"C - 3#12, 1#12G) ETC. FOR WIRE SIZES OTHER THAN #12: (#8 = 3#8, 1#12G), (GROUND SIZED PER CEC, IN CODE SIZE CONDUIT) ETC.
(E)	EXISTING
(N)	NEW
AL	ALUMINUM
ANN	ANNUNCIATOR
CL	CENTERLINE
CR	CLASSROOM
CU	COPPER
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IGB	ISOLATED GROUND BUS
MDF	MAIN DISTRIBUTION FRAME
MT	EMPTY CONDUIT WITH PULL CORD
PB	PULL BOX
RPS	REMOTE POWER SUPPLY
SAD	SEE ARCHITECTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
WP	WEATHERPROOF
UG	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
XFMR	TRANSFORMER
1	NUMBERED ELECTRICAL NOTE

SIGNAL WIRE/CABLE SCHEDULE

TYPE	DESCRIPTION	SYSTEM
A	2#16 TWISTED/UNSHIELDED	INITIATION - SLC LOOP
B	2#12	HORN / STROBE CIRCUIT
D	2#14	24 VDC POWER
E	2#14	CLOCKS
F	2#18 TWISTED SHIELDED	EXTERIOR AND INDOOR SPEAKERS
G	CATEGORY 6A	FOR WIRELESS ACCESS
K	CATEGORY 6A	SECURITY CAMERAS, DATA, VOICE, CLOCK/SPEAKER

NOTE: ALL EXTERIOR CABLE SHALL BE WET RATED.

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Revisions

No.	Revisions	By	Date	Appr.

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22-004

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HY Architects Project number: 5774

Facility

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Project

REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title

ELECTRICAL SYMBOLS, NOTES AND SCHEDULES

Client Project Number:

Scale: AS NOTED
Drawn By: DAM
Checked By: TLK
Issue Date: 09/26/22
Revit Version: 2023

Sheet

E0.01

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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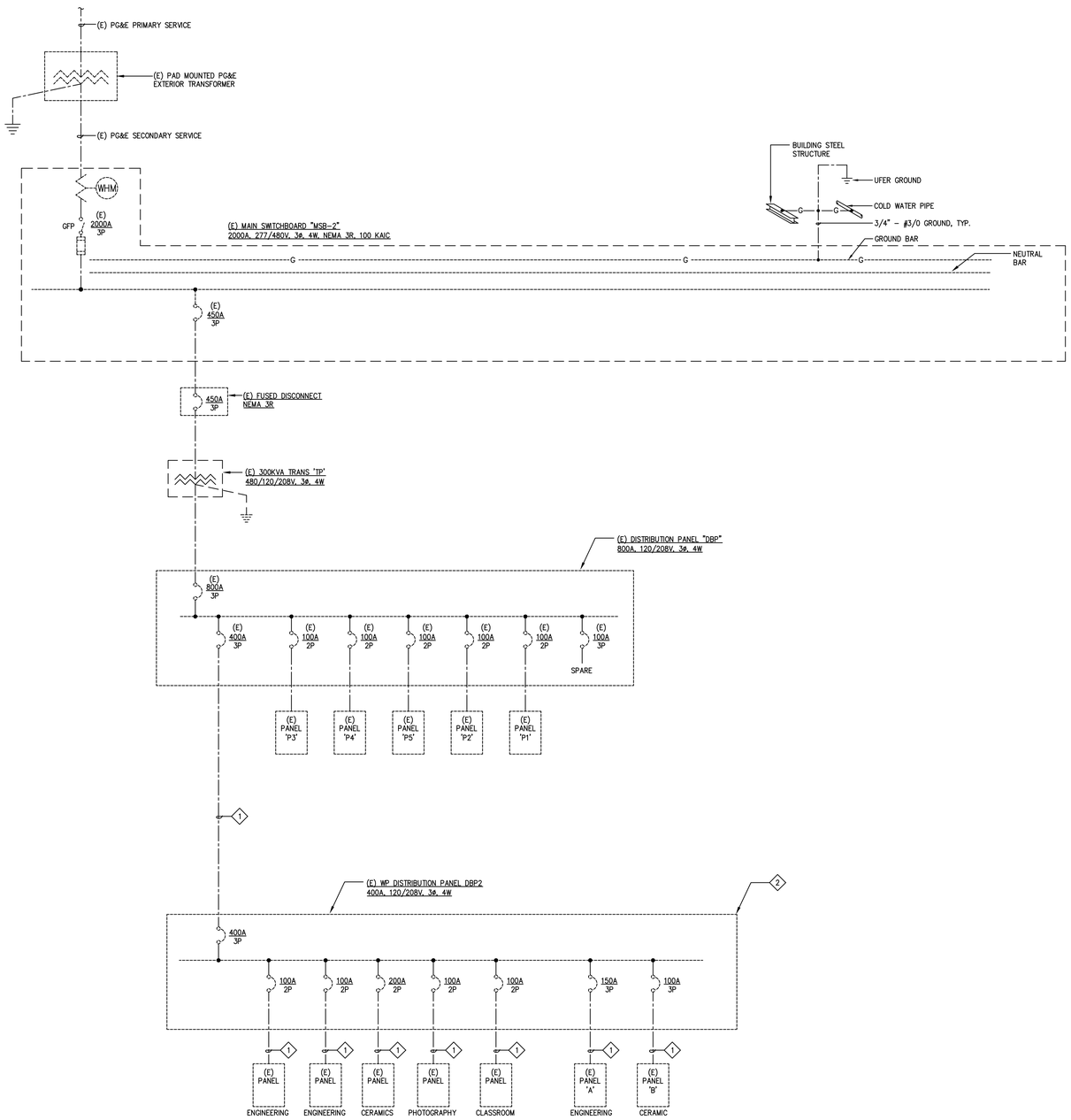
SHEET NOTES

1. EXISTING FEEDER TO BE DISCONNECTED AND REMOVED; EXISTING CONDUIT TO REMAIN.
2. EXISTING DISTRIBUTION PANEL TO BE DISCONNECTED AND REMOVED.



1 EXISTING PARTIAL ONE-LINE DIAGRAM

NOT TO SCALE

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Project

REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title

ELECTRICAL ONE-LINE DIAGRAM

Client Project Number:

Scale:	AS NOTED
Drawn By:	DAM
Checked By:	TLK
Issue Date:	09/26/22
Revit Version:	2023

Sheet

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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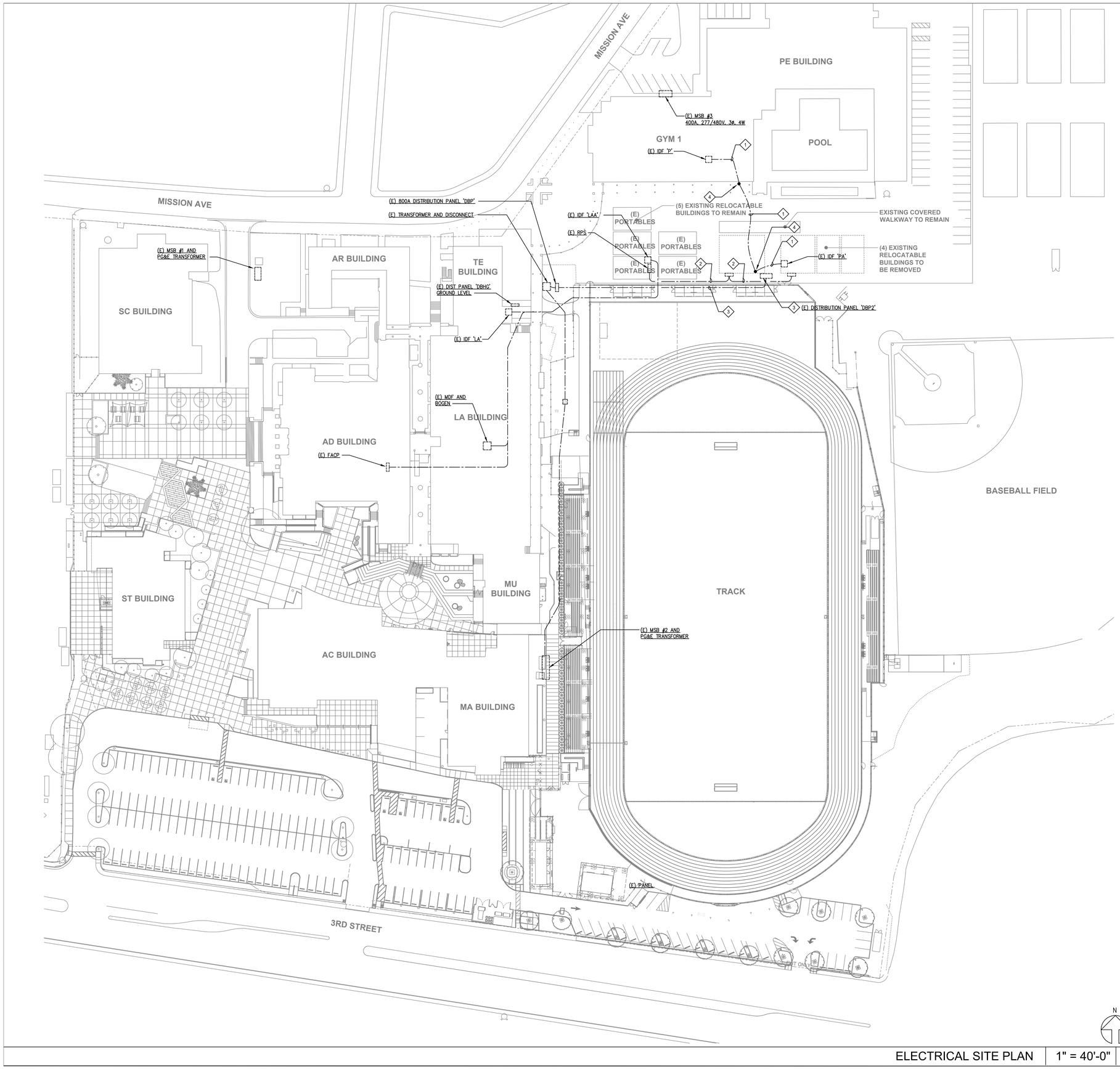

GENERAL NOTES

1. ALL SITE ELECTRICAL AND LOW VOLTAGE SYSTEMS ARE TO REMAIN, U.O.N.

SHEET NOTES

1. EXISTING FIBER OPTIC CABLE TO PORTABLE IDF TO BE REMOVED. SEE RISER DIAGRAM.
2. EXISTING 1A, 2B FIRE ALARM CABLES TO RPS AND FATC TO BE REMOVED. SEE RISER DIAGRAM.
3. DISCONNECT AND REMOVE ALL ELECTRICAL FEEDERS TO DISTRIBUTION PANEL DBP2 AND REMOVE PANEL, PER ONE-LINE DIAGRAM.
4. EXISTING AERIAL MAST TO BE REMOVED.

ELECTRICAL SITE PLAN | 1" = 40'-0" | 1

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Project
REMOVAL OF RELOCATABLE BUILDINGS

Sheet Title
ELECTRICAL SITE PLAN

Client Project Number:

Scale: AS NOTED
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