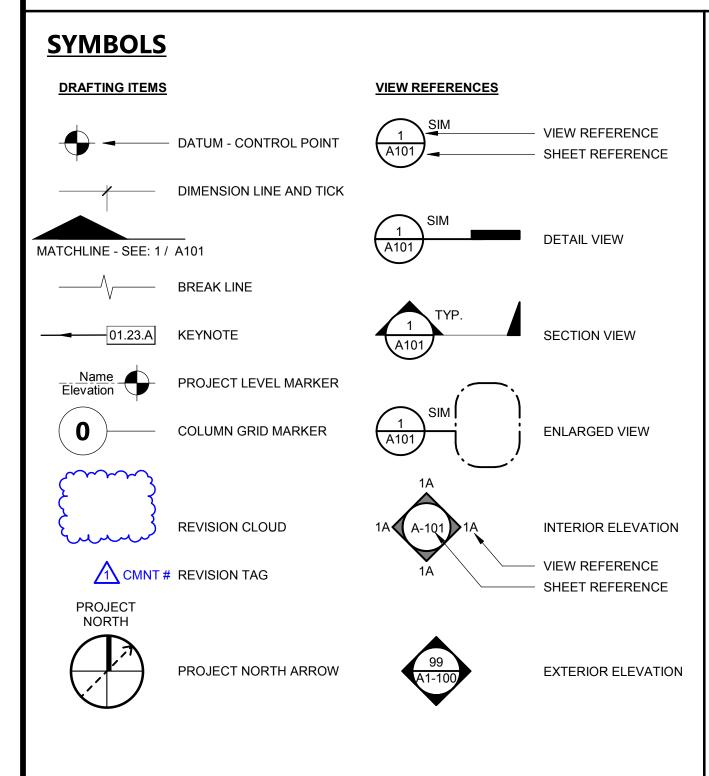
# COVINA-VALLEY UNIFIED SCHOOL DISTRICT MANZANITA ELEMENTARY SCHOOL RE-ROOFING PROJECT

22-23-108

AGENCY APPROVAL



#### **GENERAL PROJECT NOTES - K12**

- ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24 CALIFORNIA CODE OF REGULATIONS
- CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM
- A CERTIFIED INSPECTOR WITH SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN
- APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO THE DISTRICT BEFORE PROCEEDING WITH THE WORK.
- ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND
- SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE DISTRICT WILL PROVIDE ONLY PERIODIC
- ANY DAMAGE DONE TO THE EXISTING CONSTRUCTION DURING THE COURSE OF THIS WORK SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH NO
- 11. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WITH THE APPROVAL OF DISTRICT REPRESENTATIVE. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DISTRICT. MECHANICAL ENGINEER AND FIELD ENGINEER HIRED BY THE DISTRICT WHEN NEEDED. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
- 12. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R., OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DISTRICT BEFORE PROCEEDING WITH THE
- 13. AN ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 14. ALL WORK (AS APPLICABLE) MUST MEET THE MANDATORY MEASURES OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS (CAL GREEN) CODE (TITLE 24, PART II).
- 15. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE TITLE 24 CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLING CONSTRUCTION TO BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1,
- 16. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION TO COMPLY WITH 2019 CALIFORNIA FIRE CODE CHAPTER 33.
- 17. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS, AND OTHER ACCESS ROUTES FOR FIRE-FIGTHING EQUIPMENT
- 18. CONTRACTOR TO PROVIDE ALL UTILITIES NECESSARY TO CARRY OUT THE SITE SPECIFIC WORK INCLUDING BUT NOT LIMITED TO WATER AND POWER.

#### PROJECT DESCRIPTION

PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT AS REQUIRED TO INSTALL NEW REPLACEMENT ROOFING TO EXISTING BUILDINGS. INCLUDING. BUT NOT LIMITED TO ALL LABOR. MATERIALS. AND EQUIPMENT AS REQUIRED FOR DEMOLITION (IF NECESSARY) AND REMOVAL OF EXISTING ROOFING AND EXISTING ROOFING STRUCTURE AS NOTED IN DRAWINGS AND RELATED FOUIPMENT. AS INDICATED ON THESE DRAWINGS AND SPECIFICATIONS.

SCOPE BUILDINGS BUILDING A AND MPR ROOFS: COMPLETELY REMOVE & REPLACE EXISTING ROOFING SYSTEM WITH NEW 20-YEAR ROOFING SYSTEM. SEAL ALL PIPE AND VENT PENETRATIONS.

### DEFERRED APPROVALS

# **APPLICABLE CODES & STANDARDS**

2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR

#### 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR\*

2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR

PARTIAL LIST OF APPLICABLE STANDARDS

- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
- (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS
- (PER 2019 CBC PART 2 CH 35) NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY
- NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED 2016 EDITION) NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED 2016 EDITION) NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS (2017 EDITION)
- NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS (2017 EDITION) NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION NFPA 22 - STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION (2013 EDITION) NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED 2016 EDITION) NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED 2016 EDITION)

NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES (2016 EDITION)

- NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED 2015 EDITION) UL 300 - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT (2005 -R2010) 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 JL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED (2002 -R2010) ICC 300 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS
- FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.
- SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE

\*ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2020 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8,

# **VICINITY MAP** PROJECT LOCATION PROJECT NORTH

## **SHEET INDEX**

SHEET NAME 1. OVERALL GENERAL INFORMATION TITLE SHEET G-101 SITE PLAN GENERAL SHEETS TOTAL: 2

(E) BUILDING A ROOF DEMOLITION (E) PLAN BUILDING A ROOF PLAN

(E) MPR ROOF DEMOLITION PLA (E) MPR ROOF PLAN (E) G PORTABLE ROOF DEMOLITION PLAN (E) G PORTABLE ROOF PLAN

REV# DATE

**OVERALL SHEET TOTAL: 9** 

REV# DATE

CONSULTANT STAMP

DESCRIPTION

PROJECT OWNER & TITLE

Covina, CA 91723

COVINA-VALLEY UNIFIED SCHOOL DISTRICT 519 E Badillo St

MANZANITA

**ELEMENTARY SCHOOL** 4131 N Nora Ave

Covina, CA 91722 SHEET TITLE

TITLE SHEET

JOB NUMBER:

**G-001** 

# **ABBREVIATIONS**

HDR

HEADER

HEIGHT

**HORIZONTAI** HEATER

CONDITIONING

HEATING/VENTILATING/AIR

CENTER LINE

PERPENDICULAR LAVATORY MATERIAL ANCHOR BOLT MAXIMUM ASPHALTIC CONCRETE MACHINE BOLT ACOUSTICAL CEILING TILE MECH MECHANICAL ABOVE FINISH FLOOR MANUFACTURE OR MANUFACTURER **ALTERNATE** MAN HOLE MINIMUM ALUMINUM ANODIZED **MISCELLANEOUS** APPROXIMATE MASONRY OPENING ARCHITECT OR ARCHITECTURAL NOT IN CONTRACT BUILDING BLOCK(ING) NUMBER **BOTTOM OF BEAM** NOT TO SCALE ON CENTER CATCH BASIN OUTSIDE DIAMETER CAST IRON **CONSTRUCTION JOINT** PLATE OR PROPERTY LINE PLASTIC LAMINATE PLAS PLASTER (NUMBER - SEE SPECS) CLEAR CONCRETE MASONRY UNIT PI YWD PI YWOOD CLEAN OUT PAINT (NUMBER - SEE SPECS) COLUMN **QUARRY TILE** CONCRETE **ROOF DRAIN** CONTINUOUS COUNTERSINK REFRIGERATOR REINFORCE OR REINFORCING **COLD WATER** ROUND HEAD CHANNEL DOUBLE DEPARTMENT **ROUGH OPENING** REDWOOD **DRINKING FOUNTAIN** DIAMETER SCHEDULE STORM DRAIN DIAGONAL SHOWER SHEET DOWNSPOUT DRAWING SHEATHING **EXISTING** THE ARCH SHEET METAL MANUAL **EXPANSION BOLT** SPEC SPECIFICATION **EXPANSION JOINT** STAINLESS STEEL ELEVATION STANDARD ELECTRIC(AL) EDGE OF PAVING SUSPENDED **EQUIPMENT** SYMMETRICAL FLOOR DRAIN TOP OF BEAM FIRE EXTINGUISHER (& CABINET) FINISHED FLOOR TOP OF CATCH BASIN FINISHED GRADE TELEPHONE TEMPERATURE OR TEMPERED FLAT HEAD OR FIRE HYDRANT TONGUE & GROOVE FINISH FLOW LINE TOP OF PAVING **FLASHING** STRUCTURAL TUBING FLOOR TELEVISION **FACE OF CONCRETE** TOP OF WALL FACE OF FINISH **FACE OF MASONRY** OR NOTED OTHERWISE) FACE OF STUD UNLESS OTHERWISE NOTED FIBERGLASS REINFORCED PANEL VINYL COMPOSITION TILE FOOT OR FEET VERTICAL VERTICAL GRAIN DOUGLAS FIR VENT THRU ROOF GAUGE GALVANIZED GRAB BAR, GRADE BREAK WATER CLOSET WHEELCHAIR ACCESSIBLE GLASS **GLUE LAMINATED BEAM** WIDE FLANGE GYPSUM GYPSUM WALL BOARD HOSE BIBB

INSUL

ANOD APPROX BLK(G) BOB DEPT DIAG GYP GWB

**INSIDE DIAMETER** INSULATION OR INSULATED

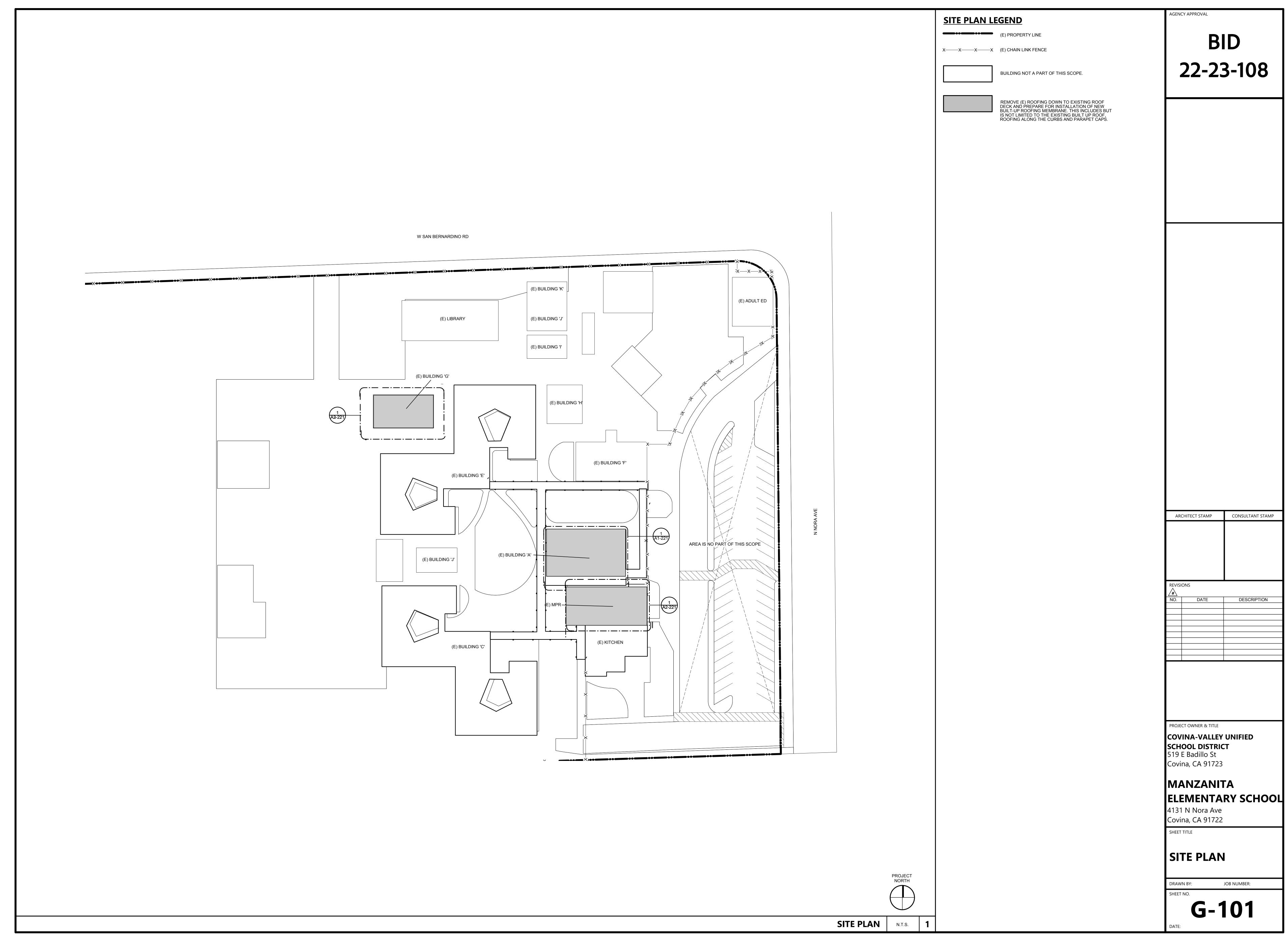
PRESSURE TREATED DOUGLAS FUR

TOP OF CURB OR TOP OF CONCRETE

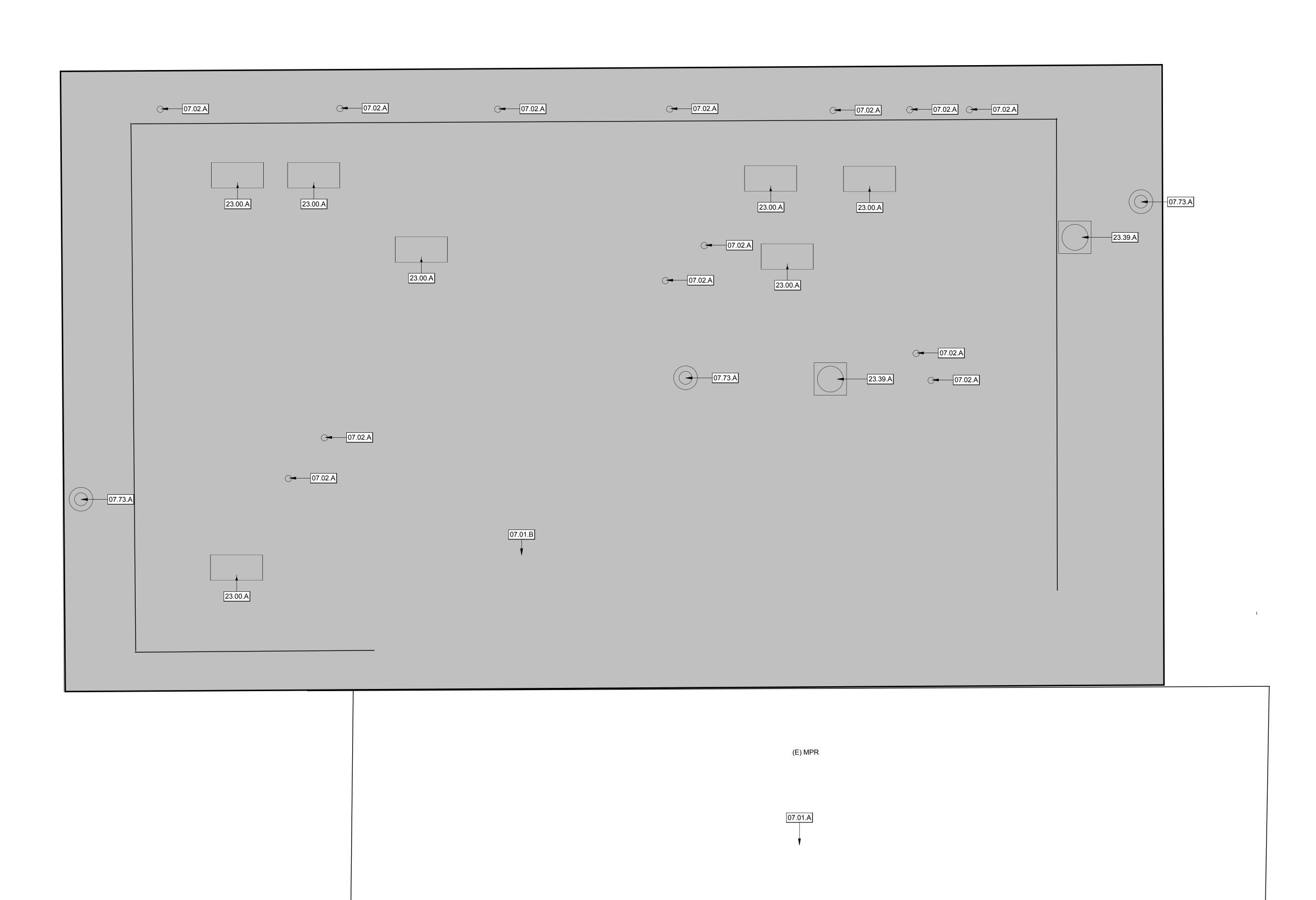
TYPICAL (ITEMS TYPICAL UNLESS SHOWN

WATERPROOF

WOOD SCREW WAINSCOT WELDED WIRE FABRIC WITHOUT



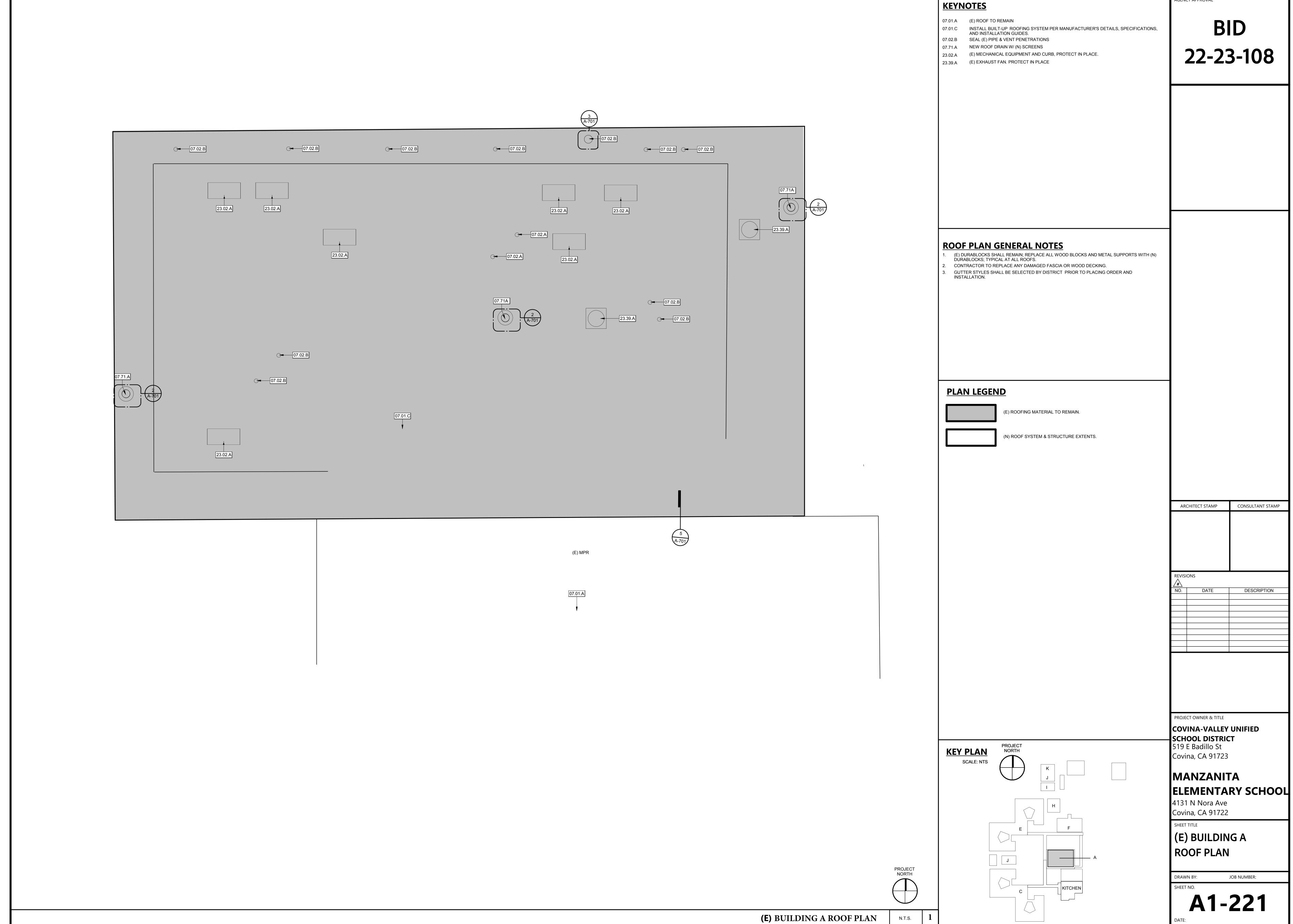
ROJECT STATUS



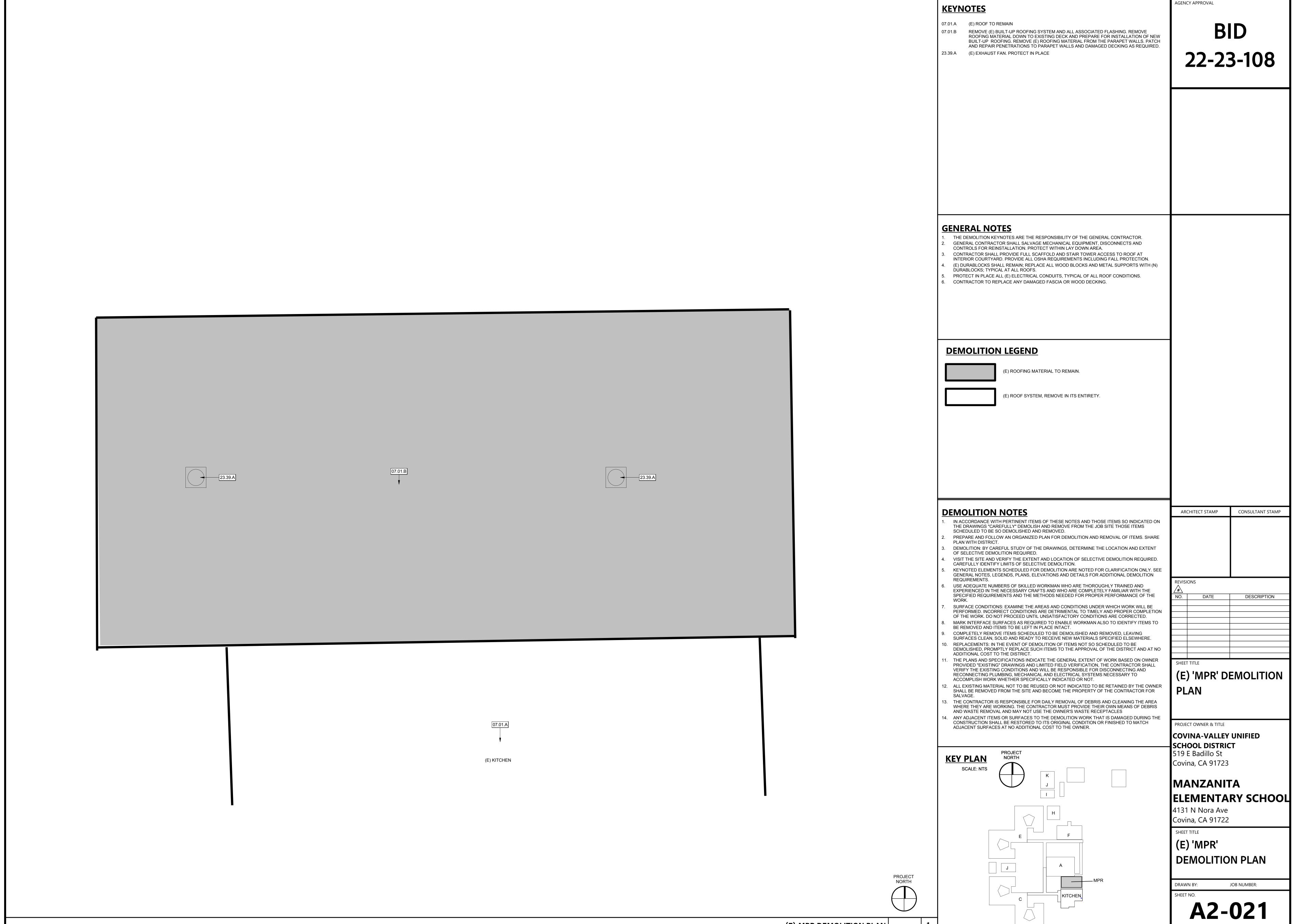
AGENCY APPROVAL **KEYNOTES** 07.01.A (E) ROOF TO REMAIN 07.01.B REMOVE (E) BUILT-UP ROOFING SYSTEM AND ALL ASSOCIATED FLASHING. REMOVE ROOFING MATERIAL DOWN TO EXISTING DECK AND PREPARE FOR INSTALLATION OF NEW BUILT-UP ROOFING. REMOVE (E) ROOFING MATERIAL FROM THE PARAPET WALLS. PATCH AND REPAIR PENETRATIONS TO PARAPET WALLS AND DAMAGED DECKING AS REQUIRED. PREP (E) PIPE AND VENT PENETRATIONS FOR (N) SEALS. REMOVE ALL NECESSARY 22-23-108 ROOFING OR (E) SEALANT MATERIAL & PROTECT IN PLACE ALL AREAS NOT AFFECTED BY NEW PIPE/VENT PENETRATION SEALS. REMOVE (E) ROOF DRAIN AND REPLACE WITH NEW. PRESSURE CLEAN AND FLUSH OUT ROOF DRÀIN PIPING PRIOR TO INSTALLATION OF NEW ROOF DRAIN W/ (N) BASKETS, AND (E) MECHANICAL EQUIPMENT, PROTECT IN PLACE. 23.39.A (E) EXHAUST FAN. PROTECT IN PLACE **GENERAL NOTES** THE DEMOLITION KEYNOTES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL SALVAGE MECHANICAL EQUIPMENT, DISCONNECTS AND CONTROLS FOR REINSTALLATION. PROTECT WITHIN LAY DOWN AREA. CONTRACTOR SHALL PROVIDE FULL SCAFFOLD AND STAIR TOWER ACCESS TO ROOF AT INTERIOR COURTYARD. PROVIDE ALL OSHA REQUIREMENTS INCLUDING FALL PROTECTION. (E) DURABLOCKS SHALL REMAIN; REPLACE ALL WOOD BLOCKS AND METAL SUPPORTS WITH (N) DÚRABLOCKS; TYPICAL AT ALL ROOFS. PROTECT IN PLACE ALL (E) ELECTRICAL CONDUITS, TYPICAL OF ALL ROOF CONDITIONS. CONTRACTOR TO REPLACE ANY DAMAGED FASCIA OR WOOD DECKING. **DEMOLITION LEGEND** (E) ROOFING MATERIAL TO REMAIN. (E) ROOF SYSTEM, REMOVE IN ITS ENTIRETY. **DEMOLITION NOTES** CONSULTANT STAMP IN ACCORDANCE WITH PERTINENT ITEMS OF THESE NOTES AND THOSE ITEMS SO INDICATED ON THE DRAWINGS "CAREFULLY" DEMOLISH AND REMOVE FROM THE JOB SITE THOSE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED. PREPARE AND FOLLOW AN ORGANIZED PLAN FOR DEMOLITION AND REMOVAL OF ITEMS. SHARE PLAN WITH DISTRICT. DEMOLITION: BY CAREFUL STUDY OF THE DRAWINGS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION REQUIRED. VISIT THE SITE AND VERIFY THE EXTENT AND LOCATION OF SELECTIVE DEMOLITION REQUIRED. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION. KEYNOTED ELEMENTS SCHEDULED FOR DEMOLITION ARE NOTED FOR CLARIFICATION ONLY. SEE GENERAL NOTES, LEGENDS, PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL DEMOLITION USE ADEQUATE NUMBERS OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE DESCRIPTION SURFACE CONDITIONS: EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. INCORRECT CONDITIONS ARE DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKMAN ALSO TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT. COMPLETELY REMOVE ITEMS SCHEDULED TO BE DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID AND READY TO RECEIVE NEW MATERIALS SPECIFIED ELSEWHERE. REPLACEMENTS: IN THE EVENT OF DEMOLITION OF ITEMS NOT SO SCHEDULED TO BE DEMOLISHED, PROMPTLY REPLACE SUCH ITEMS TO THE APPROVAL OF THE DISTRICT AND AT NO ADDITIONAL COST TO THE DISTRICT. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF WORK BASED ON OWNER PROVIDED "EXISTING" DRAWINGS AND LIMITED FIELD VERIFICATION, THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND WILL BE RESPONSIBLE FOR DISCONNECTING AND RECONNECTING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH WORK WHETHER SPECIFICALLY INDICATED OR NOT. 12. ALL EXISTING MATERIAL NOT TO BE REUSED OR NOT INDICATED TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND BECOME THE PROPERTY OF THE CONTRACTOR FOR 13. THE CONTRACTOR IS RESPONSIBLE FOR DAILY REMOVAL OF DEBRIS AND CLEANING THE AREA WHERE THEY ARE WORKING. THE CONTRACTOR MUST PROVIDE THEIR OWN MEANS OF DEBRIS AND WASTE REMOVAL AND MAY NOT USE THE OWNER'S WASTE RECEPTACLES 14. ANY ADJACENT ITEMS OR SURFACES TO THE DEMOLITION WORK THAT IS DAMAGED DURING THE CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR FINISHED TO MATCH PROJECT OWNER & TITLE ADJACENT SURFACES AT NO ADDITIONAL COST TO THE OWNER. COVINA-VALLEY UNIFIED SCHOOL DISTRICT 519 E Badillo St **KEY PLAN** Covina, CA 91723 MANZANITA **ELEMENTARY SCHOOL** 4131 N Nora Ave Covina, CA 91722 (E) BUILDING A **ROOF DEMOLITION PLAN** 

PROJECT NORTH

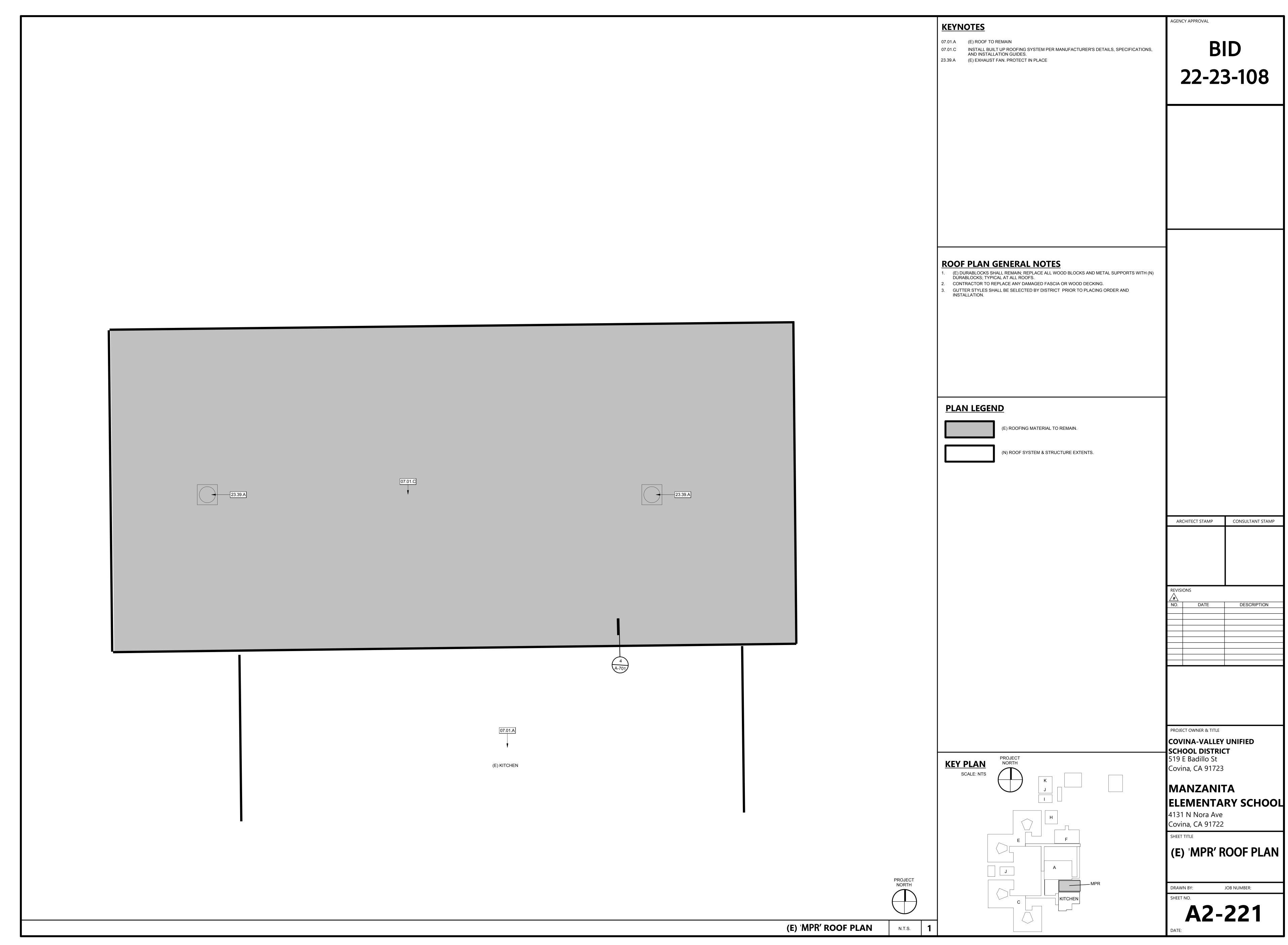
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AGENCY APPROVAL



(E) MPR DEMOLITION PLAN N.T.S.

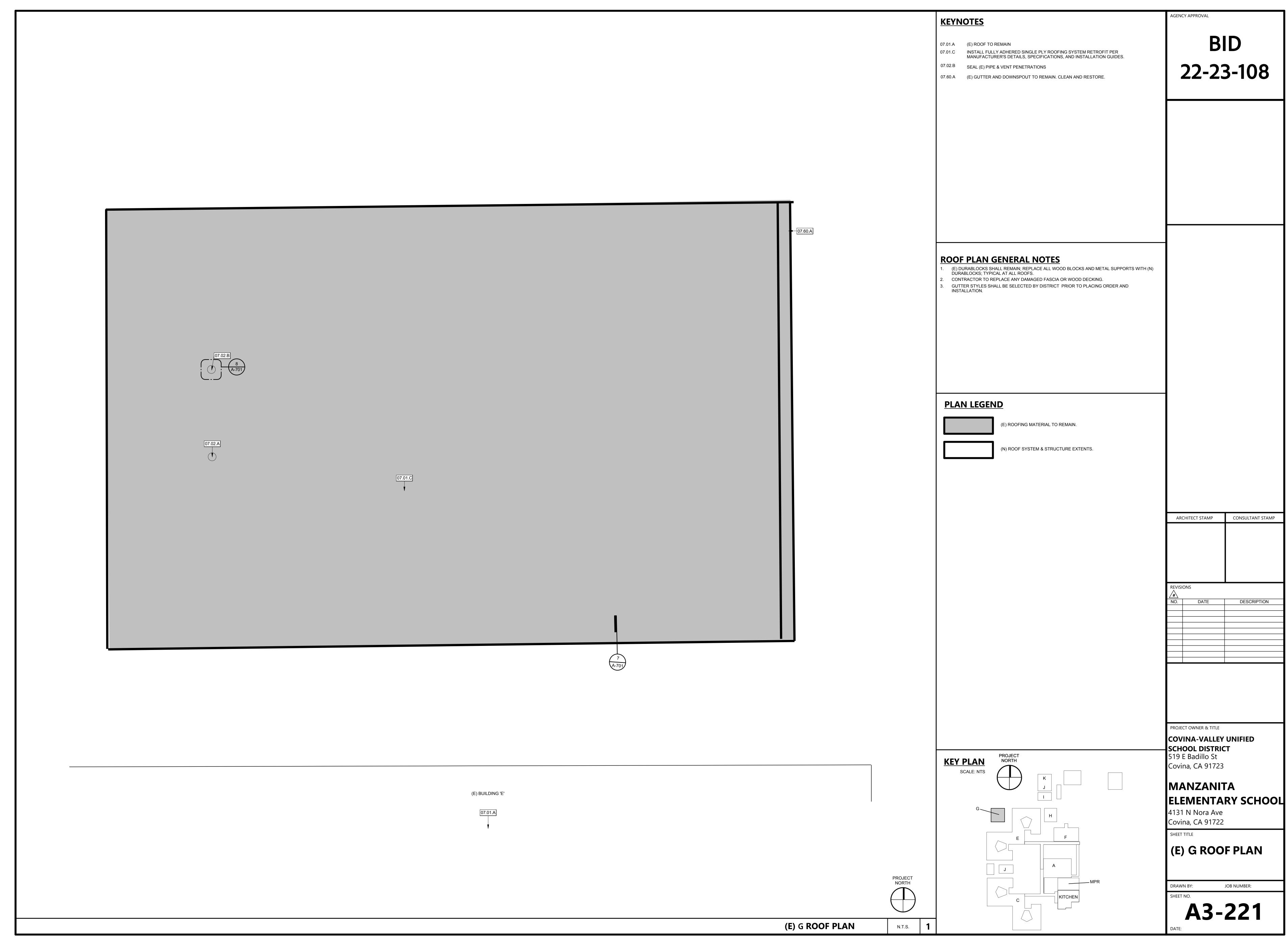


PROJECT STATUS

(E) 'G' DEMOLITION PLAN

N.T.S.

AGENCY APPROVAL



PROJECT STATUS

