THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

Kern High School District

KHSD Arvin High School ESSER III

Phase 1 A Roofing Project

900 Varsity Rd
Arvin, CA 93203

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

HMC Architects

3566-002-103

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT TEAM

CLIENT
KERN HIGH SCHOOL DISTRICT
5801 Sundale Ave, Bakersfield, CA 93309
(661) 827-3100

ARCHITECTURAL
HMC ARCHITECTS
3546 Concour Street, Ontario, CA 91764
(909) 989-9979

STRUCTURAL
HOHBACH-LEWIN
511 Mission Street, South Pasadena, CA 91030
(626) 441-1211

PLUMBING
TK1SC/WSP
15232 Laguna Canyon Rd Suite 100, Irvine CA 92618
(213) 607-8400

ELECTRICAL
TK1SC/WSP
15232 Laguna Canyon Rd Suite 100, Irvine CA 92618
(213) 607-8400

FIRE ALARM
TK1SC/WSP
15232 Laguna Canyon Rd Suite 100, Irvine CA 92618
(213) 607-8400

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
COVER SHEET

DSA SUBMITTAL

FILE NO.: **15-H3** A NO.: **03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:
G0.10

9/17/2023 8:06:54 PM

PLEASE RECYCLE

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GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
6. THE DESIGN ADEQUACIES AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
11. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.
12. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
13. CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
14. THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULL BOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURRING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
15. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT | SCH NO. 2002071120) INCLUDING ATTACHED BIOLOGICAL RESOURCES TECHNICAL REPORT.
16. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.
17. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
18. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
19. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
20. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
21. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.
22. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
23. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

DSA SUPPLEMENTARY CONDITIONS

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PARTS 1 TO 6, 9 AND 12.
2. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
4. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION SECTION 4-338, PART 1, TITLE 24, CCR. SUBSTITUTIONS SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.
5. A "DSA CERTIFIED" MINIMUM CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK . THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A 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, TITLE 24, CCR).
8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
9. A COPY OF CCR TITLE 24, PARTS 1-6, 9 AND 12 SHALL BE KEPT ON SITE DURING CONSTRUCTION.
10. A COPY OF THE APPROVED DRAWINGS, SPECIFICATIONS, ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE KEPT ON SITE DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION SAFE GUARDS IN ACCORDANCE WITH CHAPTER 33, PART 2 TITLE 24, CCR AND CHAPTER 33, PART 9 TITLE 24, CCR (2022 CBC)
12. THE CONTRACTOR SHALL PROVIDE CLEAN, SANITARY, TEMPORARY TOILET FACILITIES FOR THE CONSTRUCTION PERSONNEL. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PERSONNEL BE ALLOWED TO UTILIZE THE PERMANENT SITE FACILITIES. ALL TEMPORARY FACILITIES SHALL BE REMOVED FROM THE SITE AT THE CONCLUSION OF CONSTRUCTION.
13. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION."

CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), TITLE 24 CCR
(EFFECTIVE MARCH 5, 2022)
2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 CCR
(2021 INTERNATIONAL BUILDING CODE OF THE INTERNATION CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 CCR
(2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 CCR
(2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 CCR
(2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
2022 CALIFORNIA ENERGY CODE, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), TITLE 24 CCR
(2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), TITLE 24 CCR
(2021 INTERNATIONAL EXISTING BUILDING COED OF THE INTERNATIONAL COED COUNCIL, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 - AUTOMATIC SPRNKLER SYSTEMS (CALIFORNIA AMENDED)....2022 EDITION
NFPA 14 - STANDPIPE SYSTEMS (CALIFORNIA AMENDED)....2019 EDITION
NFPA17 - DRY CHEMICAL EXTINGUISHING SYSTEMS....2021 EDITION
NFPA17A - WET CHEMICAL EXTINGUISHING SYSTEMS....2021 EDITION
NFPA 20 - STATIONARY PUMPS....2022 EDITION
NFPA 22 - WATER TANKS.... 2023EDITION
NFPA 24 - PRIVATE FIRE SERVIE MAINS (CALIFORNIA AMENDED)....2022 EDITION
NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)....2022 EDITION
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
NFPA 80 - FIRE DOOR AND OTHER OPENING PROTECTIVES....2022 EDITION
NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS....2019 EDITION
NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS(CALIFORNIA AMENDED)....2022 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
UL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED.... 2002 (R2010)

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND 2022 CALIFORNIA FIRE CODE CHAPTER 80.

STATEMENT OF GENERAL CONFORMANCE

(X) THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET WITH AN (*) ASTERISK
( ) THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

I CERTIFY THAT:

ALL DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET WITH AN (*) ASTERISK ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND THEY HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

[signature] 07.25.23
SIGNATURE — DATE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

VIRGINIA MARQUARDT
PRINT NAME

C-33423 — 06/30/2025
LICENSE NUMBER — EXPIRATION DATE

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT DESCRIPTION

PROJECT SCOPE AND GENERAL ALTERATIONS:

GENERAL ALTERATIONS TO:

1. REPLACE EXISTING BUILT-UP ROOFING WHICH OCCURS IN BUILDING 1A & 1B, 1C, 2A, 2B, 5B, 7B, 9A, 13, 14 & 15.
2. REMOVE PARTIAL COVERED WALKWAY AND COLUMNS.

PROJECT DATA

PROJECT ADDRESS:

900 VARSITY RD., ARVIN, CA 93203

SITE DATA

ALLOWABLE AREA AND HEIGHT: C.B.C. 2022 TABLE 504.3 AND 504.4 AND 506.2

CONSTRUCTION TYPE V-A

MAX BUILDING HEIGHT:	50'
MAX NUMBER OF STORIES:	1
MAX. BLDG. AREA (NS) FLOOR:	18,500 S.F.

CONSTRUCTION TYPE V-B

MAX BUILDING HEIGHT:	40'
MAX NUMBER OF STORIES:	1
MAX. BLDG. AREA (NS) FLOOR:	9,500 S.F.

BLDGS 1A/1B

CONSTRUCTION TYPE:	V-A
OCCUPANCY:	E
SPRINKLERED:	N/S
S.F.	21,169 S.F. (BOTH) - 1 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 1C

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	S-1
SPRINKLERED:	N/S
S.F.	7,494 S.F. - 1 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

BLDGS 2A/2B

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	E
SPRINKLERED:	N/S
EXISTING S.F.	27,285 S.F. (BOTH) - 1 STORY
S.F. OF CANOPY REMOVAL	6,851 S.F.
NEW TOTAL S.F.	20,434 S.F.

BLDGS 5B/7B

CONSTRUCTION TYPE:	V-A
OCCUPANCY:	E
SPRINKLERED:	N/S
EXISTING S.F.	15,595 S.F. (BOTH) - 1 STORY
S.F. OF CANOPY REMOVAL	5,029 S.F.
NEW TOTAL S.F.	10,566 S.F.

BLDG 9A

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	E
SPRINKLERED:	N/S
S.F.	12,420 S.F. - 2 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 13

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	E
SPRINKLERED:	N/S
S.F.	4,032 S.F. - 1 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 14

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	E / B
SPRINKLERED:	N/S
S.F.	4,018 S.F. - 1 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 15

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	E
SPRINKLERED:	N/S
S.F.	7,039 S.F. - 1 STORY

(NO CHANGE TO OCCUPANCY OR S.F.)

SHEET INDEX

NUMBER	NAME
GENERAL SHEET	
G0.10	COVER SHEET
G0.11	PROJECT DATA SHEET
G1.11	CODE ANALYSIS AND CODE SITE PLAN
3	
ARCHITECTURE	
A1.00	OVERALL SITE PLAN - DEMOLITION
A1.11	OVERALL SITE PLAN - REMODEL
A3.10	PARTIAL COVERED WALKWAYS - RCP - DEMO & REMODEL
A4.10	PARTIAL COVERED WALKWAYS - ROOF PLAN - DEMO & REMODEL
A4.10A	ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT A
A4.10B	ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT B
A4.20	BLDG 1A/1B & IC - ROOF PLAN - DEMO
A4.21	BLDG 1A/1B & IC - ROOF PLAN - REMODEL
A4.30	BLDG 2A & 2B - ROOF PLAN - DEMO
A4.31	BLDG 2A & 2B - ROOF PLAN - REMODEL
A4.40	BLDG 5B & 7B - ROOF PLAN - DEMO & REMODEL
A4.50	BLDG 9A - UPPER ROOF PLAN - DEMO & REMODEL
A4.60	BLDG 13, 14 & 15 - ROOF PLAN - DEMO
A4.61	BLDG 13, 14 & 15 - ROOF PLAN - REMODEL
A6.10	WALL SECTIONS
AF7.10	BLDG 7A- ENLARGED FLOOR PLANS & ELEVATIONS - EXISTING RESTROOM
AK7.10	BLDG 14 - ENLARGED FLOOR PLANS - RESTROOMS
AK7.11	BLDG 14 - RESTROOM INTERIOR ELEVATIONS
A10.40	ROOF DETAILS
A10.41	ROOF DETAILS
A10.42	ROOF DETAILS
A10.81	SIGNAGE AND TOILET ROOM DETAILS
22	
*STRUCTURAL	
S1.00	STRUCTURAL GENERAL NOTES
S1.01	DETAILS
S2.10	BLDG 1A/1B & 1C ROOF FRAMING PLANS
S2.11	BLDG 5B & 7B ROOF FRAMING PLANS
4	
*PLUMBING	
P0.00	PLUMBING LEGENDS AND SCHEDULES
P1.11	PLUMBING SITE PLAN
P4.20	ENLARGED PLUMBING ROOF PLANS DEMO
P4.21	ENLARGED PLUMBING ROOF PLANS REMODEL
PF7.10	BLDG 7A ENLARGED PLUMBING PLANS
PK7.10	BLDG 14 ENLARGED PLUMBING PLANS
6	

NUMBER	NAME
*ELECTRICAL	
E0.00	SYMBOLS LIST
E1.00	DEMO SITE PLAN
E1.11	ELECTRICAL SITE PLAN
E1.12	FIRE ALARM SITE PLAN
E2.12	TITLE 24 EXTERIOR
E3.11	LIGHTING FIXTURE SCHEDULE
FA1.11	FIRE ALARM PLAN - BUILDING 14
7	
Grand total: 42	

SYMBOL LEGEND

NORTH ARROW
TN / PN
TICK INDICATES PLAN NORTH
ARROW INDICATES TRUE NORTH

ELEVATION CALLOUT
(TYPICAL FOR EXTERIOR)
1 / AX.XX
LOCATION ON SHEET
SHEET WHERE ELEVATION IS DRAWN

ELEVATION CALLOUT
(TYPICAL FOR INTERIOR)
A1 / A2 / A3 / A4 / AX.XX
LOCATION ON SHEET
SHEET WHERE ELEVATION IS DRAWN

ELEVATION CALLOUT - ALT.
(FOR EXTERIOR AND INTERIOR)
18/AX.XX
LOCATION & SHEET WHERE ELEVATION IS DRAWN

SECTION CALLOUT
SIM / 1 / AX.XX
INDICATES A SIMILAR CONDITION
LOCATION ON SHEET
SHEET WHERE SECTION IS DRAWN

DETAIL CALLOUT
SIM / 1 / AX.XX
INDICATES A SIMILAR CONDITION
LOCATION ON SHEET
SHEET WHERE SECTION IS DRAWN

CONTROL OR DATUM POINT
FIRST FLOOR / +0' - 0"
NAME OF ELEVATION (IF APPLICABLE)
ELEVATION ABOVE FINISHED FLOOR

GRID BUBBLE
0 / 0
EXISTING BUILDING GRID SYMBOL
GRID NUMBER
NEW BUILDING GRID SYMBOL

DOOR CALLOUT
101A
DOOR NUMBER

INTERIOR FINISH CALLOUT
FA
MATERIAL FINISH TYPE
(SEE FINISH SCHEDULE)

WINDOW CALLOUT
09-WF1
WINDOW NUMBER
(SEE WINDOW SCHEDULE)

WALL TYPE CALLOUT
AS6A-A / AS4A / 55 1B
WALL TYPE MARK - SEE A10.11
WALL STC RATING
WALL FIRE RATING TYPE

MATCHLINE REFERENCE
X / X
LOCATION ON SHEET
SHEET WHERE PLAN IS DRAWN

KEYNOTE
?
KEYNOTE NUMBER (SEE LEGEND ON SHEET)

ROOM EXITING INFORMATION
OFFICE / 1001 / 150 SF / OL / OLF / OT / 2
AREA (SQ FT)
OCCUPANT LOAD (AREA DIVIDED BY LOAD FACTOR)
OCCUPANT LOAD FACTOR (REFER TO TABLE 1004.1.1)
OCCUPANCY TYPE
NUMBER OF EXITS REQUIRED (REFER TO TABLE 1015.1)

WIC CASEWORK TAG
WI999 / L / WD / HT / DP
MANUFACTURER REFERENCE AND MODEL NUMBER
LOCK
CABINET DEPTH
CABINET HEIGHT
CABINET WIDTH

DISCIPLINE	
G	GENERAL
C	CIVIL
L	LANDSCAPE
A	ARCHITECTURE
I	INTERIORS
Q	EQUIPMENT
S	STRUCTURAL
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL
FA	FIRE ALARM
T	TELECOM
AV	AV EQUIPMENT
K	KITCHEN
FP	FIRE PROTECTION

SHEET TYPE	
0	CODE ANALYSIS, NOTES
1	SITE PLAN
2	FLOOR PLAN
3	CEILING PLAN
4	ROOF PLAN
5	EXTERIOR ELEVATIONS
6	SECTIONS
7	ENLARGED PLANS
8	INTERIOR ELEVATIONS
9	SCHEDULES
10	DETAILS

BUILDING LETTER, SEGMENT, (USER DEFINED)
USED ONLY IF REQUIRED. IF NOT, COLUMN IS OMITTED.

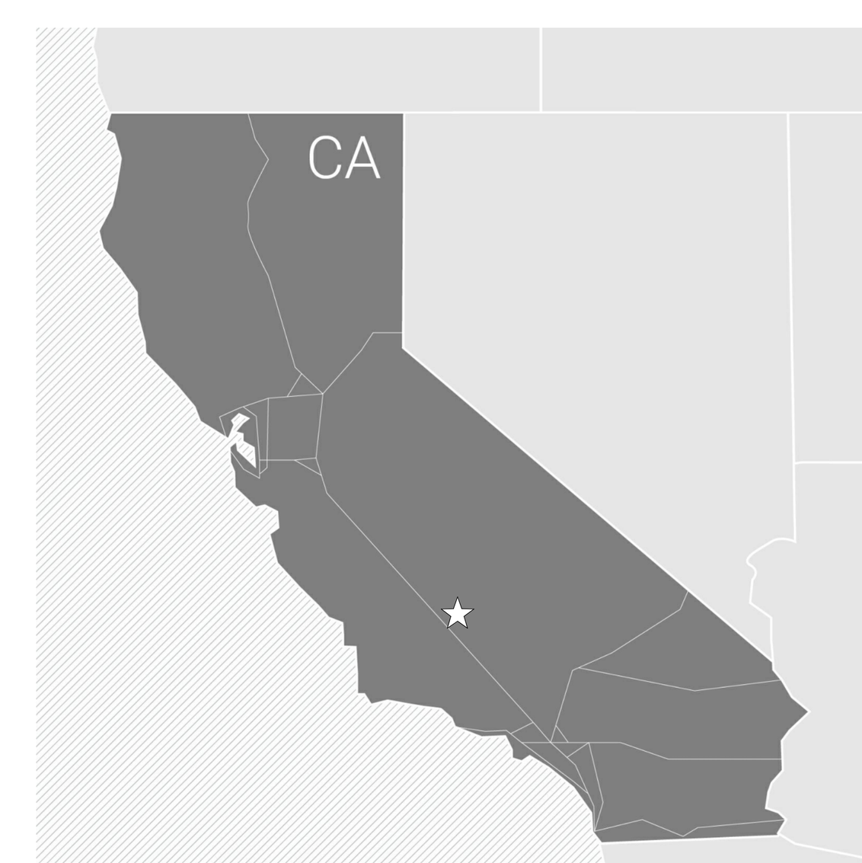
DISCIPLINE — SHEET TYPE — SERIES / ORDER — USER DEFINED (IF APPLICABLE)
A A 1 . 1 1 A . A
BULIDING LETTER (IF APPLICABLE) — FLOOR LEVEL OR SEQUENTIAL ORDER — SEGMENT (IF APPLICABLE)

ABBREVIATIONS

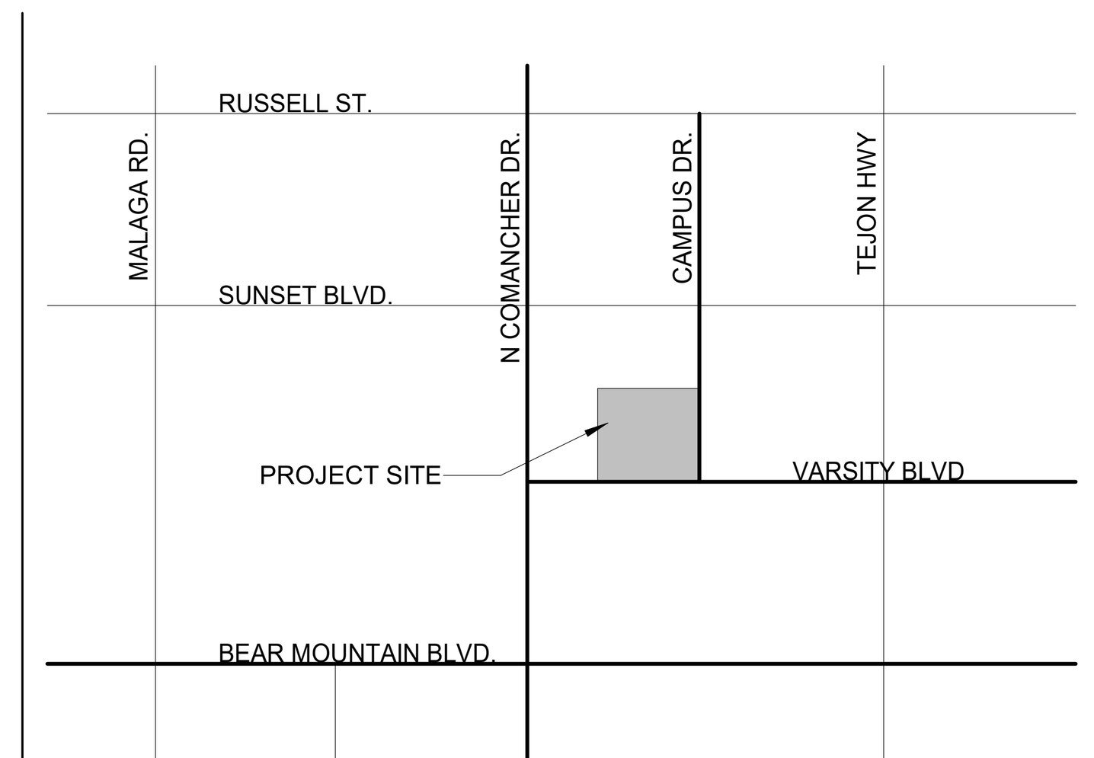
(E)	EXISTING
AB	ANCHOR BOLT
AC PAVING	ASPHALTIC CONCRETE PAVING
ACC	ACCESS/ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ARCH	ARCHITECTURAL
ATT	ATTENUATION
AUTO	AUTOMATIC
BD	BOARD
BLCG	BLOCKING
BUR	BUILT UP ROOFING
CABT	CABINET
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSION / COMPOSITE
CF	CUBIC FEET
COORD	COORDINATE
CORR	CORRUGATED
CT	CERAMIC TILE
CTSK	COUNTER SKUNK
CW	CURTAINWALL
DEPR	DEPRESSED / DEPRESSION
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
E/W	EACH WAY
EIFS SYSTEM	EXTERIOR INSULATION FINISH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION / ELEVATOR
ENCL	ENCLOSE / ENCLOSURE
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
ESC	EXCUTCHEON
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
FA	FIRE ALARM
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER W/ CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FSH	FLAT HEAD SCREW
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPROOFING
FR	FIRE RATED
FRG	FIRE RATED GLASS
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FS	FINISH SURFACE
FTG	FOOTING
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS TYPE
GLB	GLUE LAMINATED BEAM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTIC
HB	HOSE BIBB
HD	HEAVY DUTY
HDR	HEADER
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HP	HIGH POINT
HSS	HOLLOW STEEL SECTION
ID	INSIDE DIAMTER
INT	INTERIOR
INV	INVERT
LANDS	LANDSCAPE
LAV	LAVATORY
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHT WEIGHT
LVR	LOUVER
MACH	MACHINE
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NR	NON RATED
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O/	OVER
O/A	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OPPOSITE HAND
OPER	OPERABLE
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
P/L	PROPERTY LINE
PA	PUBLIC ADDRESS
PAF	POWDER ACTUATED FASTENER PAVING
PCC	PORTLAND CEMENT CONCRETE PAVING
PED	PEDESTRIAN
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PANIC HARDWARE
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PNL	PANEL
PNT	PAINT / PAINTED
POC	POINT OF CONNECTION
POLY ISO	POLYISOCYANURATE
PREFIN	PREFINISHED
PREP	PREP / PREPARATION
PTC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION / SYSTEM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	ECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFL	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REINF	REINFORCE/REINFORCED/ REINFORCEMENT
REM	REMOVE
RH	ROUND HEAD
RHS	ROUND HEAD SCREW
RO	ROUGH OPENING
ROW	RIGHT OF WAY
SCH	SCHEDULE (FOR PIPE)
SCHED	SCHEDULE / SCHEDULING
SD	STORM DRAIN / SOAP DISPENSER
SECT	SECTION
SG	SAFETY GLASS
SHT	SHEET
SHTG	SHEATHING
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPOSAL
SOV	SHUT OFF VALVE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STC	SOUND TRAMISSION CLASS
STL	STEEL
STSMS SCREW	SELF TAPPING SHEET METAL
SUSP	SUSPENDED
SV	SHEET VINYL
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TS	TACKABLE SURFACE
U/C	UNDER CABINET (OR COUNTER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VAC	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL PROTECTION
WR	WATER RESISTANT
WRGB	WATER RESISTANT GYPSUM BOARD
WS	WOOD SCREW
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC

NOTE:
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

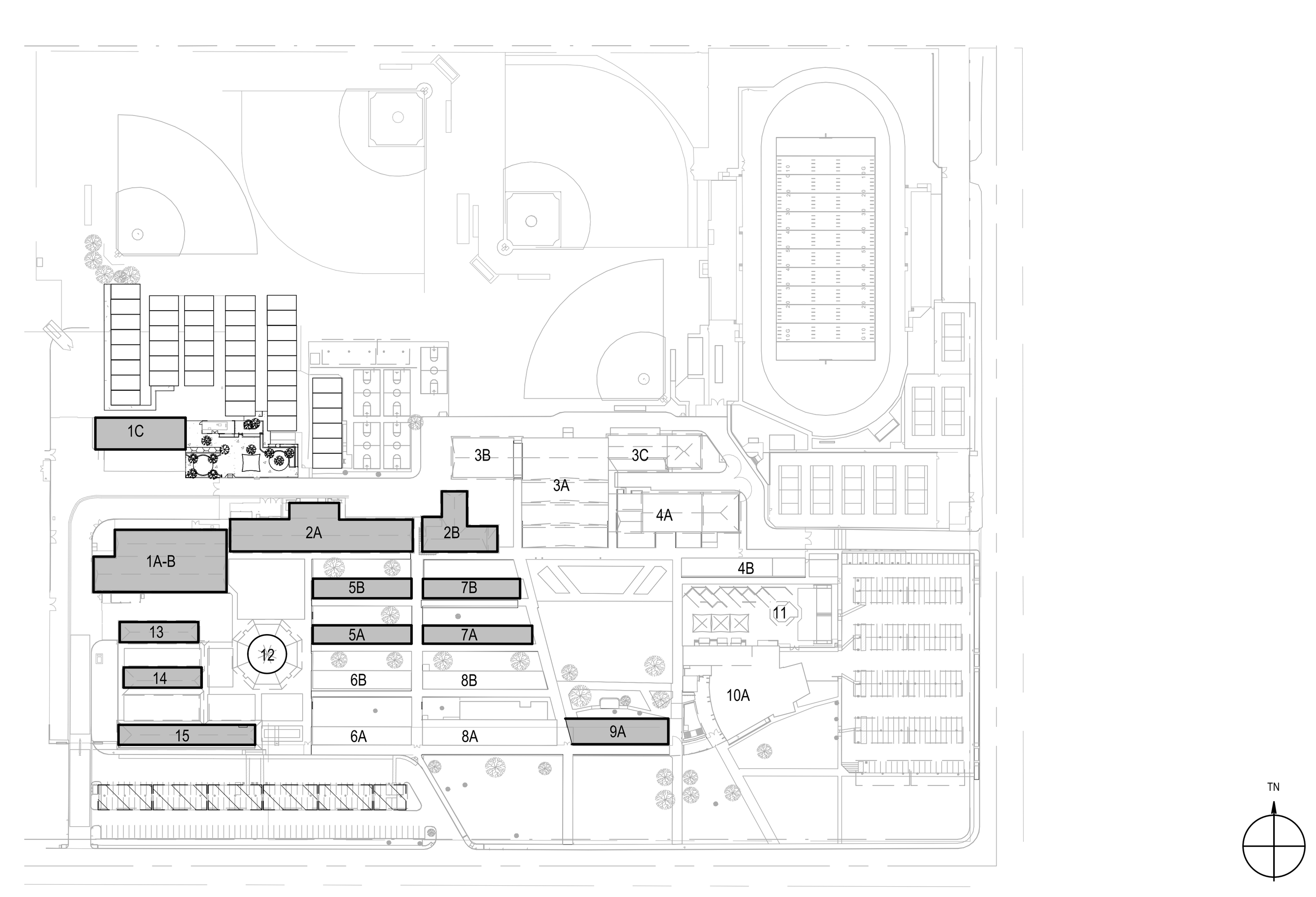
STATE MAP



VICINITY MAP



OVERALL SITE PLAN



BIM 360://3566002000 Arvin HS ESSER III/3566002000-A-KHSD Arvin HS Roof Replacement.rvt
9/17/2023 8:06:56 PM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects
3566-002-103
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

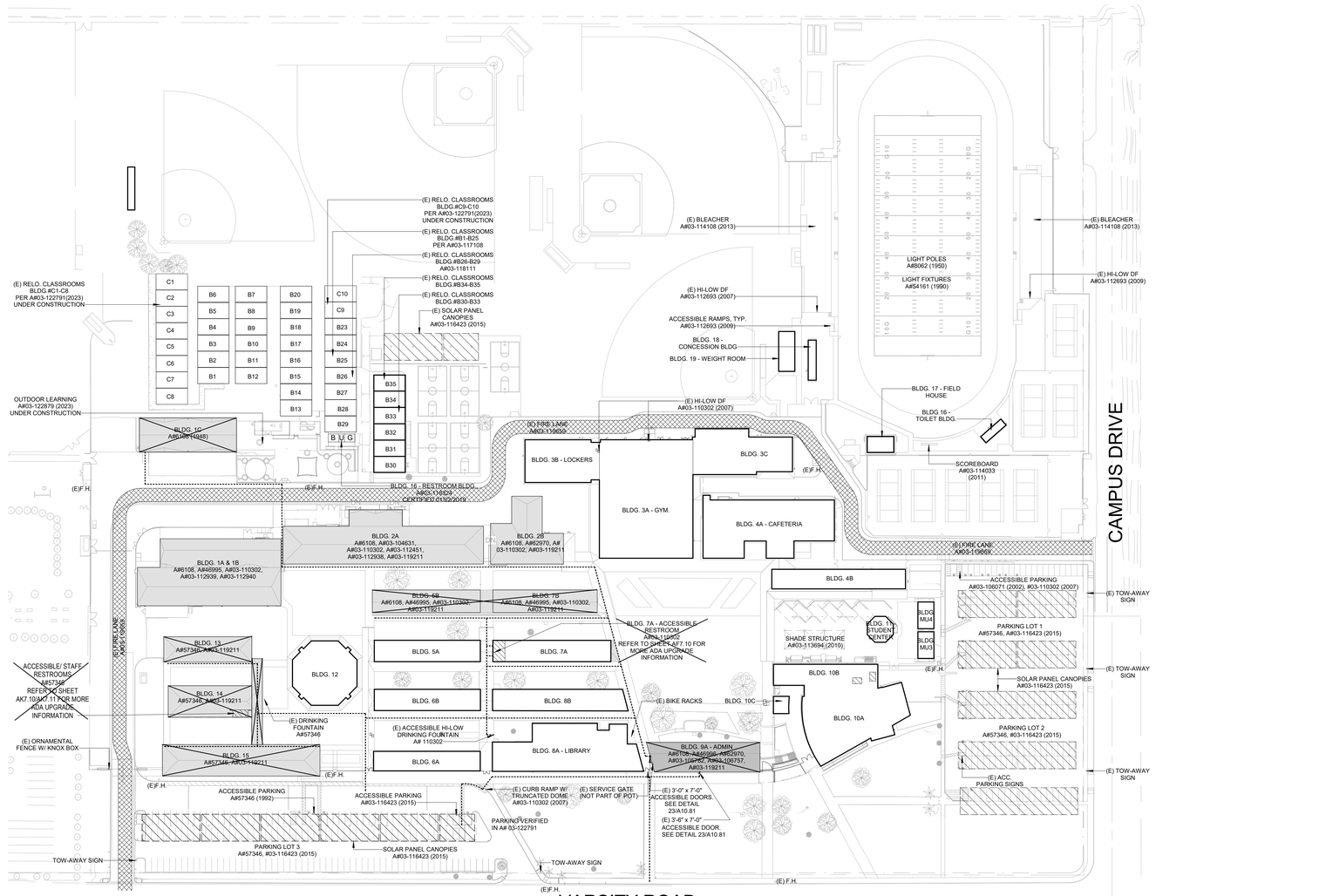
PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
PROJECT DATA SHEET

DSA SUBMITTAL

FILE NO.: 15-H3 — A NO.: 03-123508
DATE: 2023.09.18 — CLIENT PROJ NO: 3566002103
SHEET:
G0.11

PLEASE RECYCLE



FIRE AND ACCESS NOTES:

1. WHEN FIRE APPARATUS ACCESS ROADS OR A WATER SUPPLY FOR FIRE PROTECTION IS REQUIRED TO BE INSTALLED, SUCH PROTECTION SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION EXCEPT WHEN APPROVED ALTERNATIVE METHODS OF PROTECTION ARE PROVIDED. CFC 501.4
2. FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION WHEN ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED MORE THAN 150'-0' FROM FIRE APPARATUS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY. CFC 503.1.1
3. REQUIRED ACCESS ROADS FROM EVERY BUILDING TO A PUBLIC STREET SHALL BE ALL-WEATHER HARD-SURFACED (SUITABLE FOR USE BY FIRE APPARATUS) RIGHT-OF-WAY NOT LESS THAN 20 FEET IN WIDTH. SUCH RIGHT-OF-WAY SHALL BE UNOBSTRUCTED AND MAINTAINED ONLY AS ACCESS TO THE PUBLIC STREET. CFC 503.2 (A)
4. FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES IN ACCORDANCE WITH SECTION 503.6, AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES. CFC 503.2.1
5. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. CFC 503.2.3
6. TURNING RADIUS CFC 503.2.4
7. DEAD-END FIRE APPARATUS ACCESS ROADS IN EXCESS OF 150 FEET IN LENGTH SHALL PROVIDED WITH AN APPROVED AREA FOR TURNING AROUND FIRE APPARATUS. CFC 503.2.5
8. "NO PARKING—FIRE LANE" SIGNS SHALL BE PROVIDED FOR FIRE APPARATUS ACCESS ROADS TO IDENTIFY SUCH ROADS. CFC 503.3
9. THE INSTALLATION OF SECURITY GATES ACROSS FIRE APPARATUS ACCESS ROAD SHALL BE APPROVED BY THE FIRE CHIEF. WHERE SECURITY GATES ARE INSTALLED, THEY SHALL HAVE AN APPROVED MEANS OF EMERGENCY OPERATION. THE SECURITY GATES AND THE EMERGENCY OPERATION SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. GATES INTENDED FOR AUTOMATIC OPERATION SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ASTM F2200. CFC 503.6
10. NEW AND EXISTING BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE NOT LESS THAN 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 1/2 INCH . WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION SHALL BE MAINTAINED. CFC 505.1
11. WHEN ACCESS TO OR WITH A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENING OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE-SAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE ON AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. CFC 506.1
12. WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENINGS OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE-SAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. CFC 506.1
13. THE OPERATOR OF THE BUILDING SHALL IMMEDIATELY NOTIFY THE FIRE CODE OFFICIAL AND PROVIDE THE NEW KEY WHERE A LOCK IS CHANGED OR REKEYED. THE KEY TO SUCH LOCK SHALL BE SECURED IN THE KEY BOX. CFC 506.2
14. AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO PREMISES UPON WHICH FACILITIES, BUILDINGS OR PORTIONS OF BUILDINGS ARE HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION. CFC 507.1
15. FIRE FLOW. FIRE FLOW REQUIREMENTS FOR BUILDINGS OR PORTIONS OF BUILDINGS AND FACILITIES SHALL BE DETERMINED BY AN APPROVED METHOD OR APPENDIX B OR BB. CFC 507.3
16. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED PRIOR TO THE WATER SUPPLY TEST. WATER SUPPLY TESTS SHALL BE WITNESSED BY THE FIRE CODE OFFICIAL OR APPROVED DOCUMENTATION OF THE TEST SHALL BE PROVIDED TO THE FIRE CODE OFFICIAL PRIOR TO FINAL APPROVAL OF THE WATER SUPPLY SYSTEM. CFC 507.4.
17. WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION IS MORE THAN 400 FEET FROM HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILD-ING, ON-SITE FIRE HYDRANTS AND MAINS SHALL BE PROVIDED WHERE REQUIRED BY THE FIRE CODE OFFICIAL. CFC 507.5.1
18. BUILDINGS EQUIPPED WITH A STANDPIPE SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 905 SHALL HAVE A FIRE HYDRANT WITHIN 100 FEET OF THE FIRE DEPARTMENT CONNECTIONS. CFC 507.5.1.1
19. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS, EXCEPT AS OTHERWISE REQUIRED OR APPROVED. CFC 507.5.5
20. WHERE FIRE HYDRANTS ARE SUBJECT TO IMPACT BY A MOTOR VEHICLE, GUARD POSTS OR OTHER APPROVED MEANS SHALL COMPLY WITH SECTION 312. CFC 507.5.6

PATH OF TRAVEL NOTES:

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT AN ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT HAS VERIFIED THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLAINT WITH THE CURRENT CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON COMPLAINT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECT BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
3. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLAINT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT"
4. GATES IN THE ACCESSIBLE PATH OF TRAVEL SHALL COMPLY WITH ALL DOOR REQUIREMENTS STATED IN CBC SECTIONS 1010 AND 11B-404 FOR DOOR WIDTH, CLEARANCE, LANDINGS, DOOR HARDWARE, EXIT DEVICE, DOOR OPERATING FORCE AND SURFACES

PARKING JUSTIFICATION

ACCESSIBLE PARKING STALLS PER CBC 2022 SECTION 11B-208

PARKING LOT	TOTAL STALLS	ACCESSIBLE STD. SPACES (REQ'D)	VAN ACCESSIBLE SPACES (REQ'D)	TOTAL ACCESSIBLE SPACES (PROVIDED)
1	99	3	1	3 (STD. ACC.) / 1 (VAN ACC.)
2	97	3	1	4 (STD. ACC.) / 1 (VAN ACC.)
3	163	5	1	4 (STD. ACC.) / 2 (VAN ACC.)

CODE SITE PLAN 1
1" = 80'-0"

BUILDING INFORMATION

BUILDING TYPE	DSA#	CERTIFIED
BUILDING 1A & 1B	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-112939, A#03-112940	Y
BUILDING 1C	A#6108 (1948)	Y
BUILDING 2A - TRADES CTE	A#03-112938 (2010)	Y
BUILDING 2A - WELDING & MANUFACTURING CTE	A#03-112451 (2009)	Y
BUILDING 2A	A#6108 (1948), A#03-104631 (2001), A#03-110302 (2007), A#03-119211 (HVAC)	Y
BUILDING 2B	A#6108 (1948), A#62970 (1995), A#03-110302 (2007)MOD, #03-119211 (HVAC)	Y
BUILDING 3A - GYM	A#6108 (1948), A#30670 (1968), A#03-103500 (2000), A#03-110302 (2007) MOD, A#03-111413 (2008), A#03-112983 (2010), A#03-119211 (HVAC)	Y
BUILDING 3B - LOCKER	A#6108 (1948), A#03-110302 (2007) MOD	Y
BUILDING 3C	A#6108 (1948), A#57346 (1992), #03-110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 4A - CAFETERIA	A#6108 (1948), A#57346 (1992), A#03-109529 (2009), A#03-110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 4B	A#6108 (1948), A#20766 (1961), A#46995 (1986) MOD,A#110302 (2007) MOD	Y
BUILDING 5A	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 5B	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 6A	A#6108 (1948), A#46995 (1986), A#03-119211 (HVAC)	Y
BUILDING 6B	A#6108 (1948), A#46995 (1986) MOD, A#03-119211 (HVAC)	Y
BUILDING 7A	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 7B	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 8A - LIBRARY	A#6108 (1948), A#03-109528 (2009), A#03-110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 8B	A#6108 (1948), A#46995 (1986) MOD, #110302 (2007) MOD, A#03-119211 (HVAC)	Y
BUILDING 9A - ADMIN.	A#6108 (1948), A#46996 (1986) MOD, A#62970 (1995), A#03-105782 (2002), A#03-106757 (2003), A#03-119211 (HVAC)	Y
BUILDING 10A - PERFORMING ARTS	A#13144 (1955), A#62970 (1995)	Y
BUILDING 10B - PERFORMING ARTS	A#13144 (1955), A#62970 (1995), A#03-110302 (2007) MOD	Y
BUILDING 10C - PERFORMING ARTS	A#13144 (1955), A#03-110302 (2007) MOD	Y
BUILDING 11 - STUDENT CENTER	A#32603 (1969)	Y
BUILDING 12	A#30988 (1968), A#03-109531 (2009)	Y
BUILDING 13	A#57346 (1992), A#03-119211 (HVAC)	Y
BUILDING 14	A#57346 (1992), A#03-119211 (HVAC)	Y
BUILDING 15	A#57346 (1992), A#03-119211 (HVAC)	Y
BUILDING 16 - TOILET BUILDING	A#03-112693 (2009)	Y
BUILDING 17 - FIELD HOUSE	A#13144 (1955)	Y
BUILDING 18 - CONCESSION BUILDING	A#03-106071 (2002)	Y
BUILDING 19 - WEIGHT ROOM BUILDING	NON-CONFORMING	N
RELOCATABLE CLASSROOMS - B1 TO B25	A#03-117108 (2016)	Y
RELOCATABLE CLASSROOMS - B26 TO B29	A#03-118111 (2017)	Y
RELOCATABLE CLASSROOMS - B30 TO B33	A#03-119659 (2019)	Y
RELOCATABLE CLASSROOMS - B34 TO B35	A#03-120759 (2020)	Y
BUILDING MU3	A#03-119194 (2018)	Y
BUILDING MU4	A#03-119194 (2018)	Y
RELOCATABLE CLASSROOMS - C1 TO C8	A#03-122791 (2023) UNDER CONSTRUCTION	UNDER CONST.
OUTDOOR LEARNING AREA	A#03-122879 (2023) UNDER CONSTRUCTION	UNDER CONST.

Arvin High — Fire Water Calc — 22-027 — VLT — 11/29/22

Mid level of Water Tank = 83' above Fire Hydrant. Static Pressure = 82# Vel = 37.65 PSI

Static Pressure = 35.65 PSI
Residual Pressure Desired = 20 PSI
Δ Pressure = 15.65 PSI → h = 36'

Tank to Hydrant 1200' of 10" AC water line. n = 0.011

$V^2 = \frac{36 \times 0.03^{1.85}}{2.87 \times 0.011^2 \times 1200}$

$V^2 = 134.77$

$V = \sqrt{134.77} = 11.6$ ft/sec

$A = \pi (0.42')^2 = 0.55 ft^2$

$Q = VA$

$Q = 11.6$ ft/sec $\times 0.55 ft^2 = 6.38$ CFS → 2,863 GPM

Through City of Arvin connection, per hydrant flow test dated 10/26/22, "Hydrant E", Pitot @ 20 PSI = 356 GPM

Total Available at hydrant =

2,863 GPM + 356 GPM through City of Arvin Connection.

Total = 3219 GPM @ 20 PSI Residual

Swanson Engineering
2000 Oak Street Suite 150
Bakersfield, CA 93301

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✔	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✔	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✔	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✔	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: N/A Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: N/A	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

DSA **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PI, 09-01: Fire Flow for Buildings.*

PROJECT INFORMATION	
School District/Owner:	KERN HIGH SCHOOL DISTRICT
Project Name/School:	ARVIN HIGH SCHOOL
Project Address:	900 VARSITY RD., ARVIN, CA 93203

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ☑
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

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APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — Est. 1893

HMC Architects
3566-002-103
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT — VIRGINIA ELAINE MARQUARDT — No. C-33423 — 09/30/2025 — STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

ALLOWABLE AREA AND HEIGHT: C.B.C. 2022 TABLE 504.3 AND 504.4 AND 506.2

CONSTRUCTION TYPE V-A
MAX BUILDING HEIGHT: 50'
MAX NUMBER OF STORIES: 1
MAX. BLDG. AREA (NS) FLOOR: 18,500 S.F.

CONSTRUCTION TYPE V-B
MAX BUILDING HEIGHT: 40'
MAX NUMBER OF STORIES: 1
MAX. BLDG. AREA (NS) FLOOR: 9,500 S.F.

BLDGS 1A*1B
CONSTRUCTION TYPE: V-A
OCCUPANCY: E
SPRINKLERED: N/S
S.F. 21,169 S.F. (BOTH) - 1 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 1C
CONSTRUCTION TYPE: V-B
OCCUPANCY: S-1
SPRINKLERED: N/S
S.F. 7,494 S.F. - 1 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

BLDGS 2A*2B
CONSTRUCTION TYPE: V-B
OCCUPANCY: E
SPRINKLERED: N/S
EXISTING S.F. 27,285 S.F. (BOTH) - 1 STORY
S.F. OF CANOPY REMOVAL 6,851 S.F.
NEW TOTAL S.F. 20,434 S.F.

BLDGS 5B/7B
CONSTRUCTION TYPE: V-A
OCCUPANCY: E
SPRINKLERED: N/S
EXISTING S.F. 15,595 S.F. (BOTH) - 1 STORY
S.F. OF CANOPY REMOVAL 5,029 S.F.
NEW TOTAL S.F. 10,566 S.F.

BLDG 9A
CONSTRUCTION TYPE: V-B
OCCUPANCY: E
SPRINKLERED: N/S
S.F. 12,420 S.F. - 2 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 13
CONSTRUCTION TYPE: V-B
OCCUPANCY: E
SPRINKLERED: N/S
S.F. 4,032 S.F. - 1 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 14
CONSTRUCTION TYPE: V-B
OCCUPANCY: E / B
SPRINKLERED: N/S
S.F. 4,018 S.F. - 1 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

BLDG 15
CONSTRUCTION TYPE: V-B
OCCUPANCY: E
SPRINKLERED: N/S
S.F. 7,039 S.F. - 1 STORY
(NO CHANGE TO OCCUPANCY OR S.F.)

LEGEND - CODE SITE PLAN

- ACCESSIBLE PATH OF TRAVEL
- EXISTING FIRE LANE (A#03-119659)
- EXISTING BUILDING (N.I.C)
- (E) F.H. EXISTING FIRE HYDRANT
- SCOPE OF WORK

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
CODE ANALYSIS AND CODE SITE PLAN

DSA SUBMITTAL

FILE NO.: **15-H3** A NO.: **03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:

G1.11

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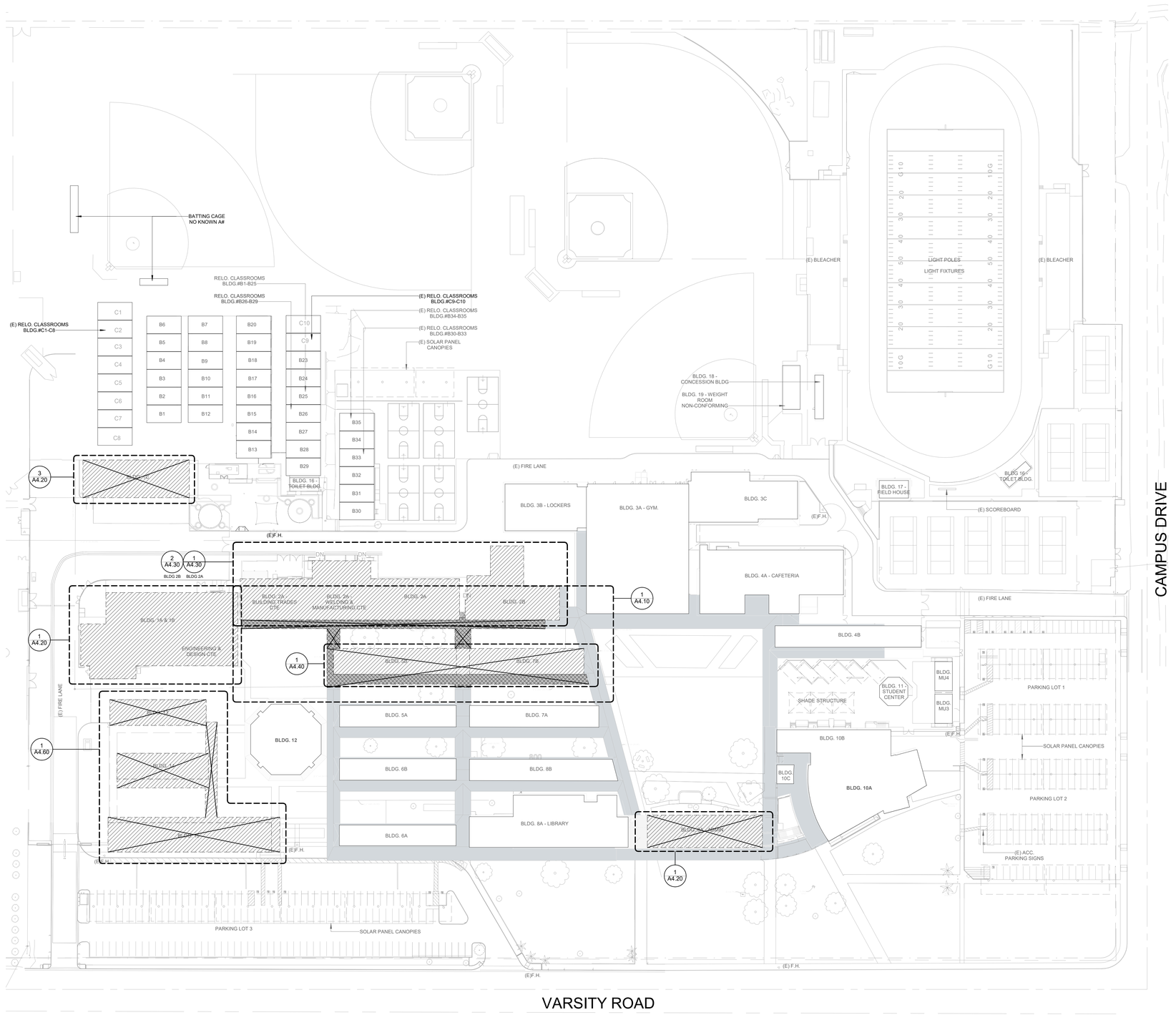

TN

OVERALL SITE PLAN - DEMOLITION | **1** 1" = 60'-0"

PLEASE RECYCLE

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES - DEMO SITE PLAN

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO ELECTRICAL, AND PLUMBING DRAWINGS FOR UTILITY INFORMATION
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.

LEGEND - DEMO SITE PLAN

- EXISTING BUILDING (N.I.C)
- (E) COVER WALKWAY TO REMAIN
- REMOVE EXISTING ROOFING
- DEMO (E) COVER WALKWAY

FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

OVERALL SITE PLAN - DEMOLITION

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

A1.00

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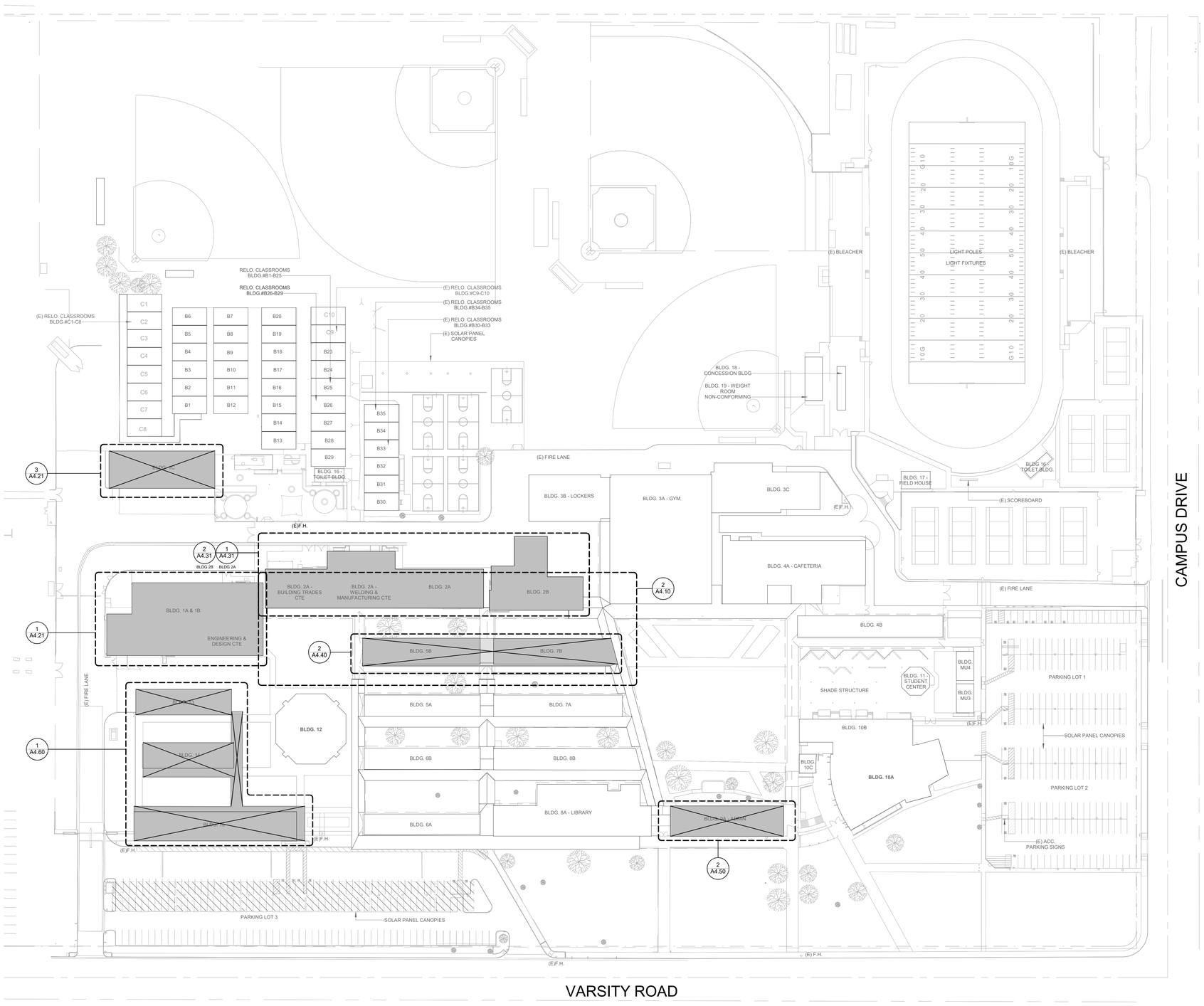

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES - SITE PLANS

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY INFORMATION

LEGEND - REMODEL SITE PLAN

EXISTING BUILDING & COVERED WALKWAY (N.I.C)

NEW ROOFING

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
OVERALL SITE PLAN - REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

A1.11

OVERALL SITE PLAN - REMODEL 1 1" = 60'-0"

TN

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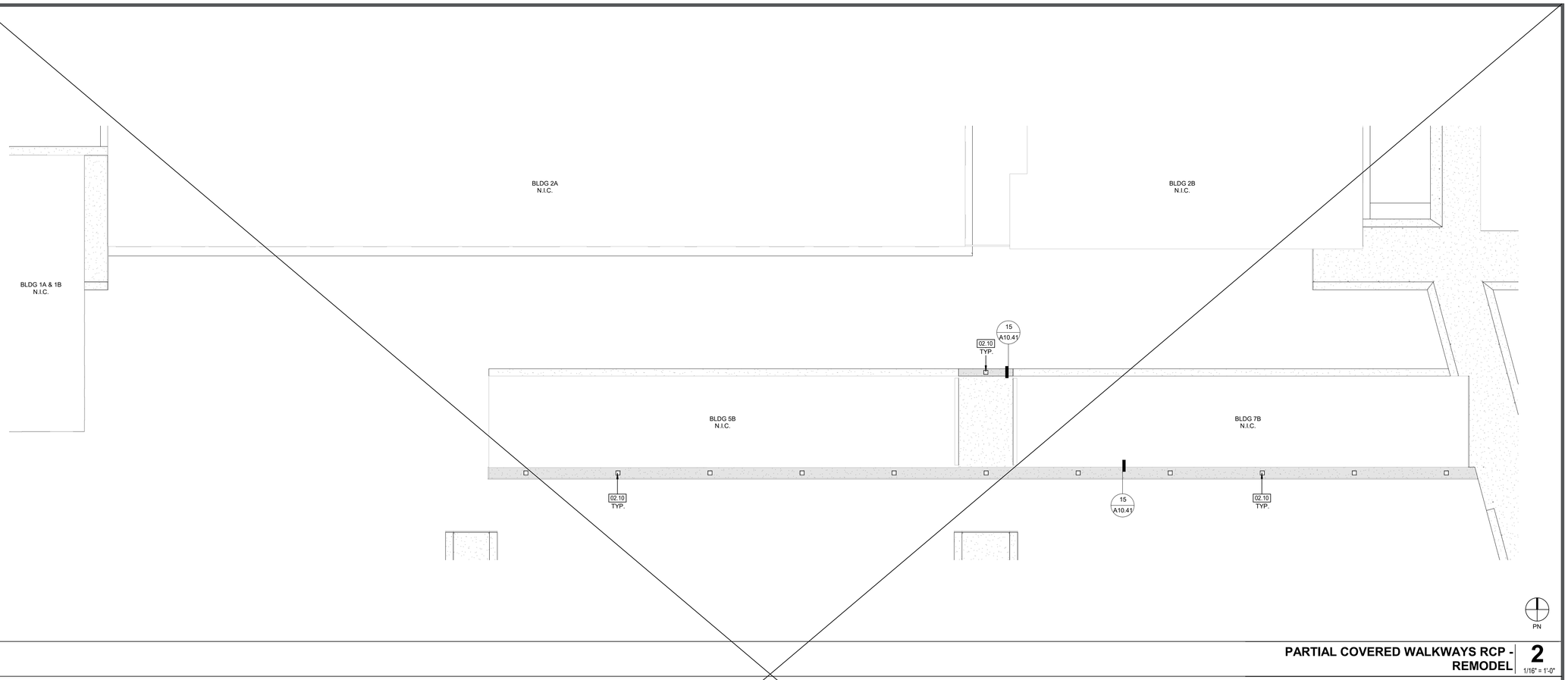
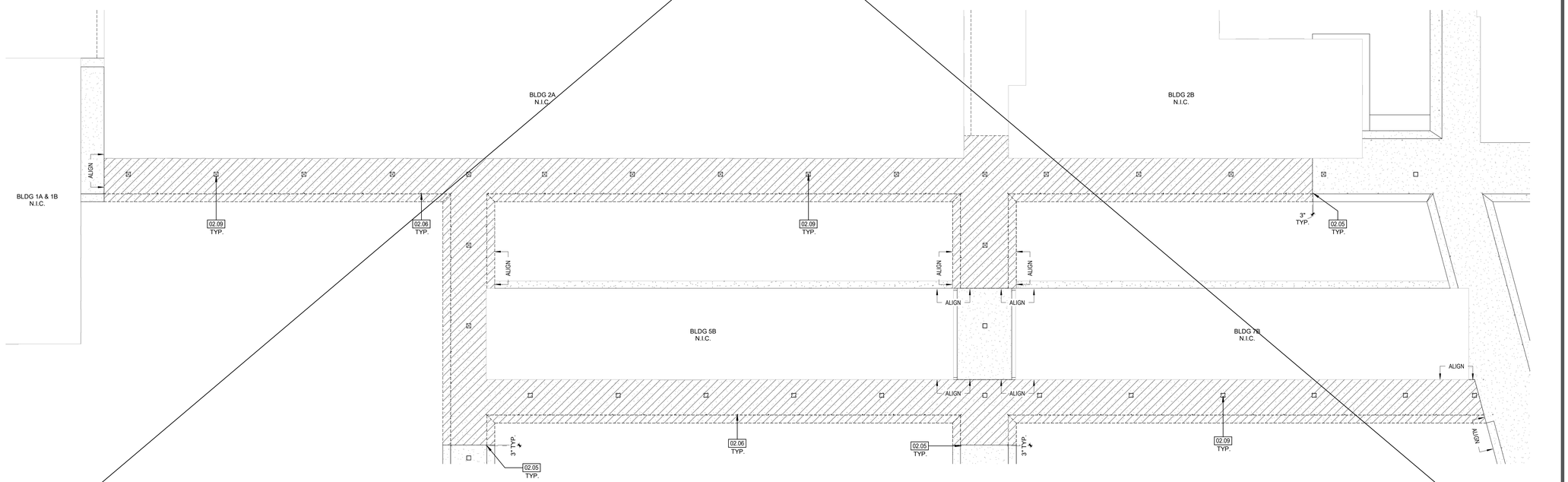


PARTIAL COVERED WALKWAYS RCP - REMODEL

2

1/16" = 1'-0"



PARTIAL COVERED WALKWAYS NORTH - RCP - DEMO

1

1/16" = 1'-0"

PLEASE RECYCLE

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10/20/2023 10:04:04 AM

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.05	(E) COLUMN TO REMAIN, PROTECT IN PLACE
02.06	(E) COLUMN TO BE REMOVED, REFER TO DETAIL 20/A10.41 FOR COLUMN BASE REMOVAL
02.09	REMOVE (E) LIGHTING FIXTURES
02.10	RELOCATE (E) LIGHTING FIXTURES. SEE ELECTRICAL FOR MORE INFORMATION.

NOTES

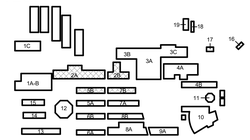
LEGEND - RCP

(E) COVERED WALKWAY CEMENT PLASTER CEILING TO BE REMOVED

(E) CEMENT PLASTER CEILING TO REMAIN. PROTECT IN PLACE

(N) CEMENT PLASTER CEILING

KEY PLAN:



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900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
PARTIAL COVERED WALKWAYS - RCP - DEMO & REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.07.25	CLIENT PROJ NO: 3566002103

SHEET:

A3.10

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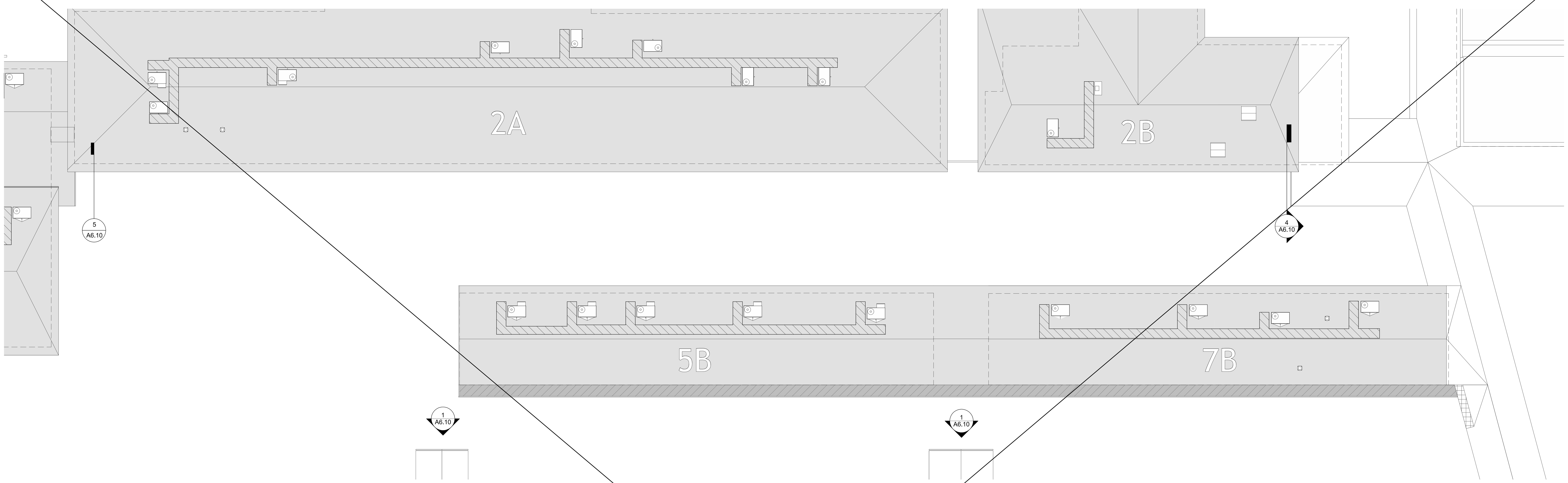
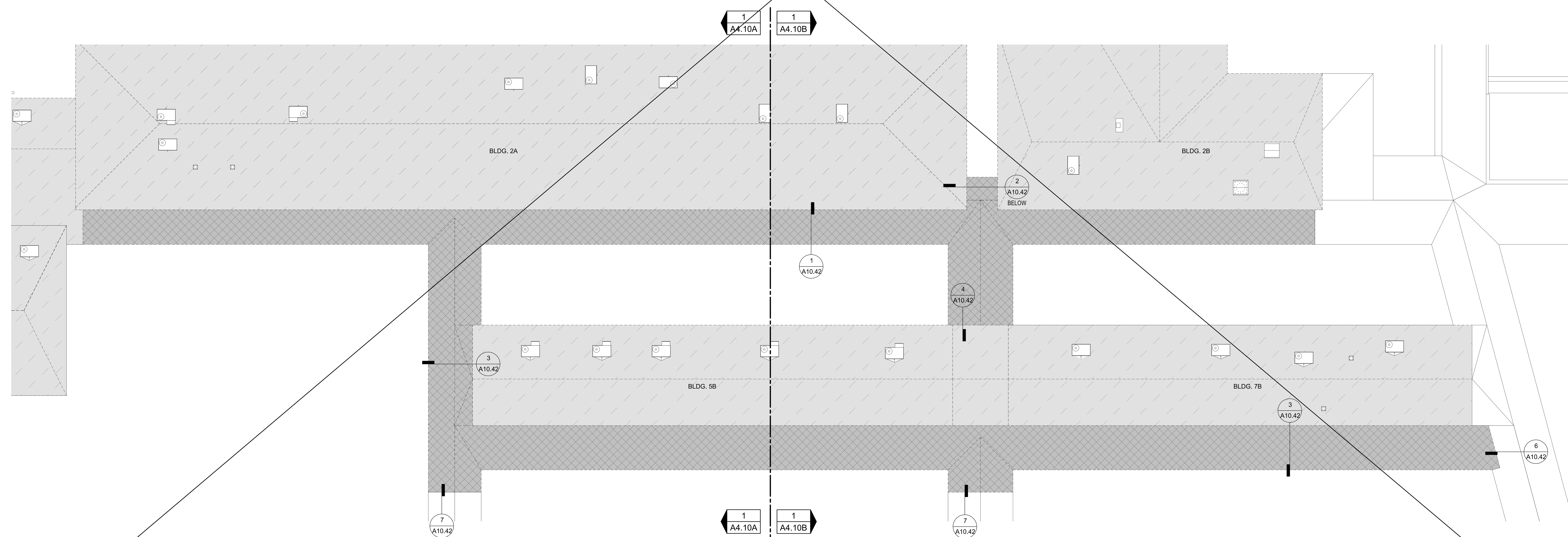


NOTE:
1.) REFER TO SHEET A4.21 FOR MORE INFO. OF BLDG 1A/1B
2.) REFER TO SHEET A4.31 FOR MORE INFO. OF BLDG 2A & 2B.
3.) REFER TO SHEET A4.40 FOR MORE INFO. OF BLDG 5B & 7B.

PN

PARTIAL COVERED WALKWAYS - ROOF PLAN - REMODEL **2**
1/16" = 1'-0"



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2.) REFER TO SHEET A4.31 FOR MORE INFO. OF BLDG 2A & 2B.
3.) REFER TO SHEET A4.40 FOR MORE INFO. OF BLDG 5B & 7B.

PN

PARTIAL COVERED WALKWAYS - ROOF PLAN - DEMO **1**
1/16" = 1'-0"

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

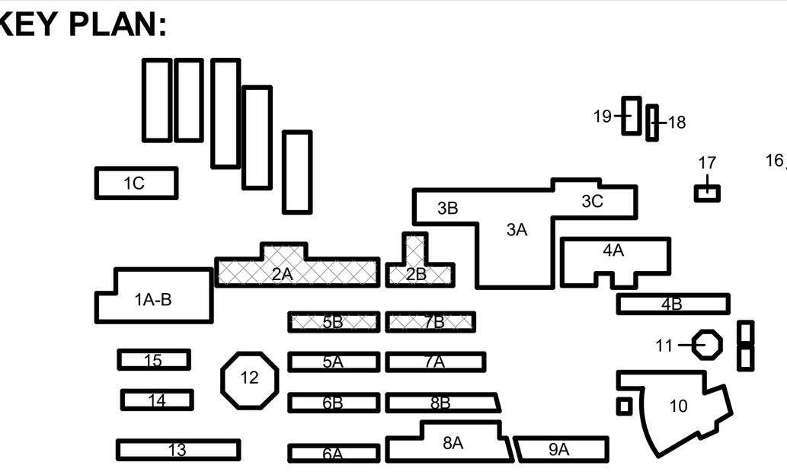
LEGEND - ENLARGED ROOF PLANS

- EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.
- EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.
- NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY
- EXISTING BUILT-UP ROOFING TO REMAIN
- ROOF WALKWAY PADS
- NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING
- (N) OVERHANG EXTENSION

NOTES

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
PARTIAL COVERED WALKWAYS - ROOF PLAN - DEMO & REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:
A4.10

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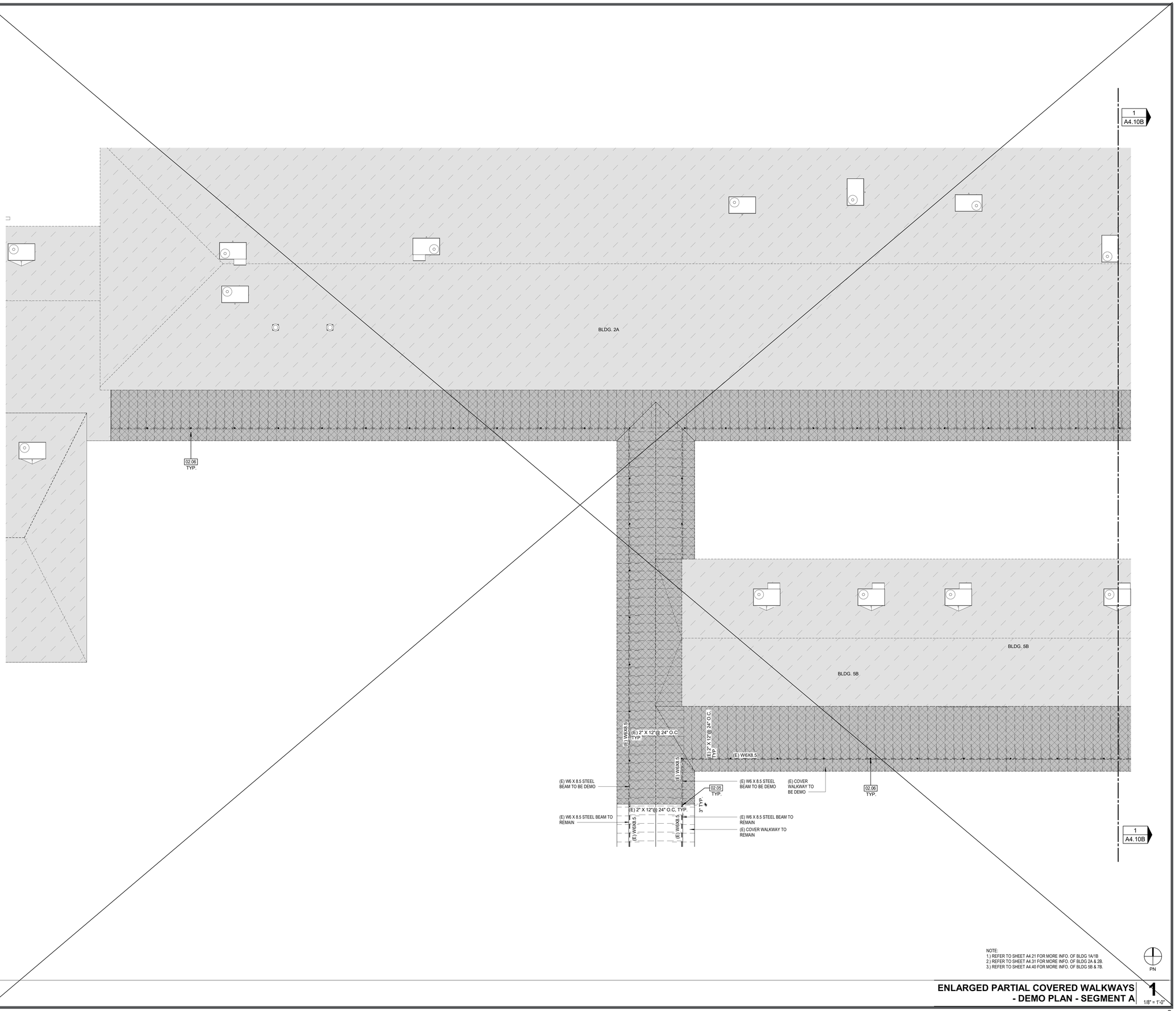

ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT A

1
1/8" = 1'-0"

PLEASE RECYCLE

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
05/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.05	(E) COLUMN TO REMAIN, PROTECT IN PLACE
02.06	(E) COLUMN TO BE REMOVED. REFER TO DETAIL 20/A10.41 FOR COLUMN BASE REMOVAL

LEGEND - ENLARGED ROOF PLANS

EXISTING ROOFING MATERIAL TO BE REMOVED. EXISTING SHEATHING TO REMAIN. SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

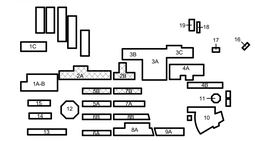
ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

NOTES

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

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900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT A

DSA SUBMITTAL

FILE NO.: 15-H3 | **A NO.: 03-123508**

DATE: **2023.09.18** | CLIENT PROJ NO: **3566002103**

SHEET:

A4.10A

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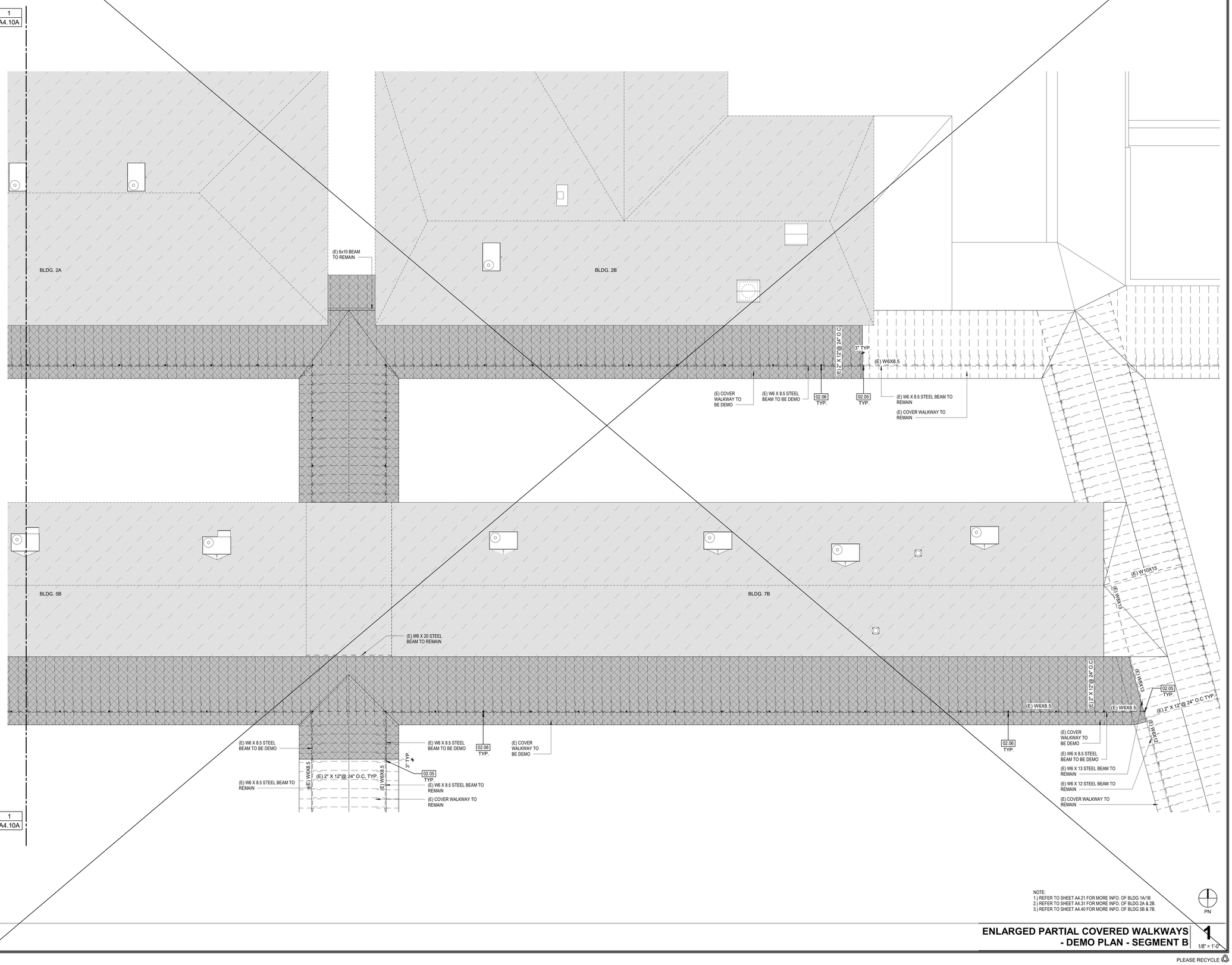

NOTE:
1.) REFER TO SHEET A4.21 FOR MORE INFO. OF BLDG 1A/1B
2.) REFER TO SHEET A4.31 FOR MORE INFO. OF BLDG 2A & 2B.
3.) REFER TO SHEET A4.40 FOR MORE INFO. OF BLDG 5B & 7B.

PN

ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT B

1
1/8" = 1'-0"

PLEASE RECYCLE

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.05	(E) COLUMN TO REMAIN, PROTECT IN PLACE
02.06	(E) COLUMN TO BE REMOVED, REFER TO DETAIL 20/A10.41 FOR COLUMN BASE REMOVAL

LEGEND - ENLARGED ROOF PLANS

EXISTING ROOFING MATERIAL TO BE REMOVED. EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

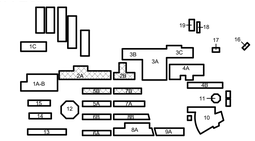
ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

NOTES

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



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900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
ENLARGED PARTIAL COVERED WALKWAYS - DEMO PLAN - SEGMENT B

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

A4.10B

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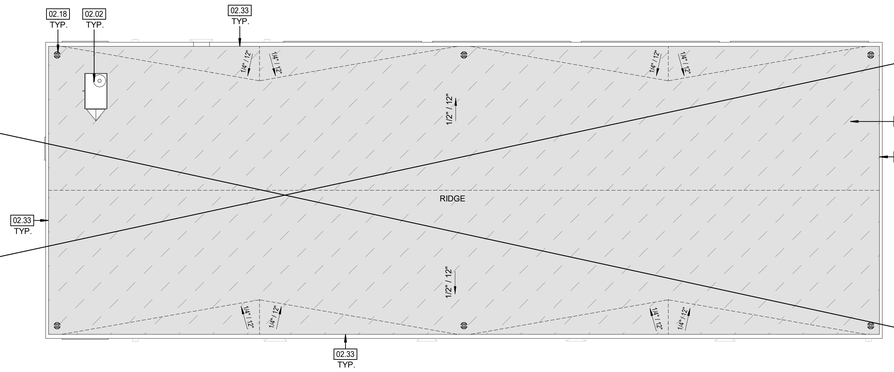
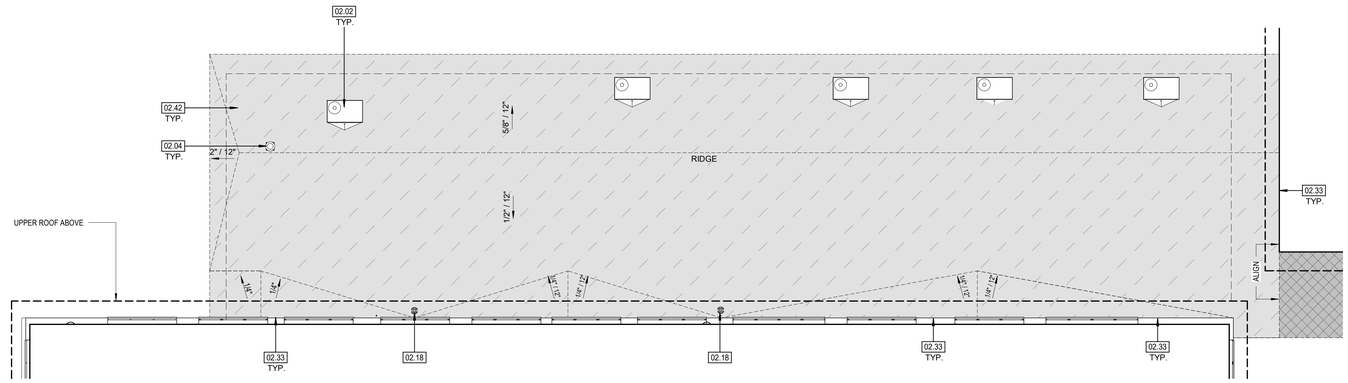


PN

BLDG 1C - ROOF PLAN - DEMO 3

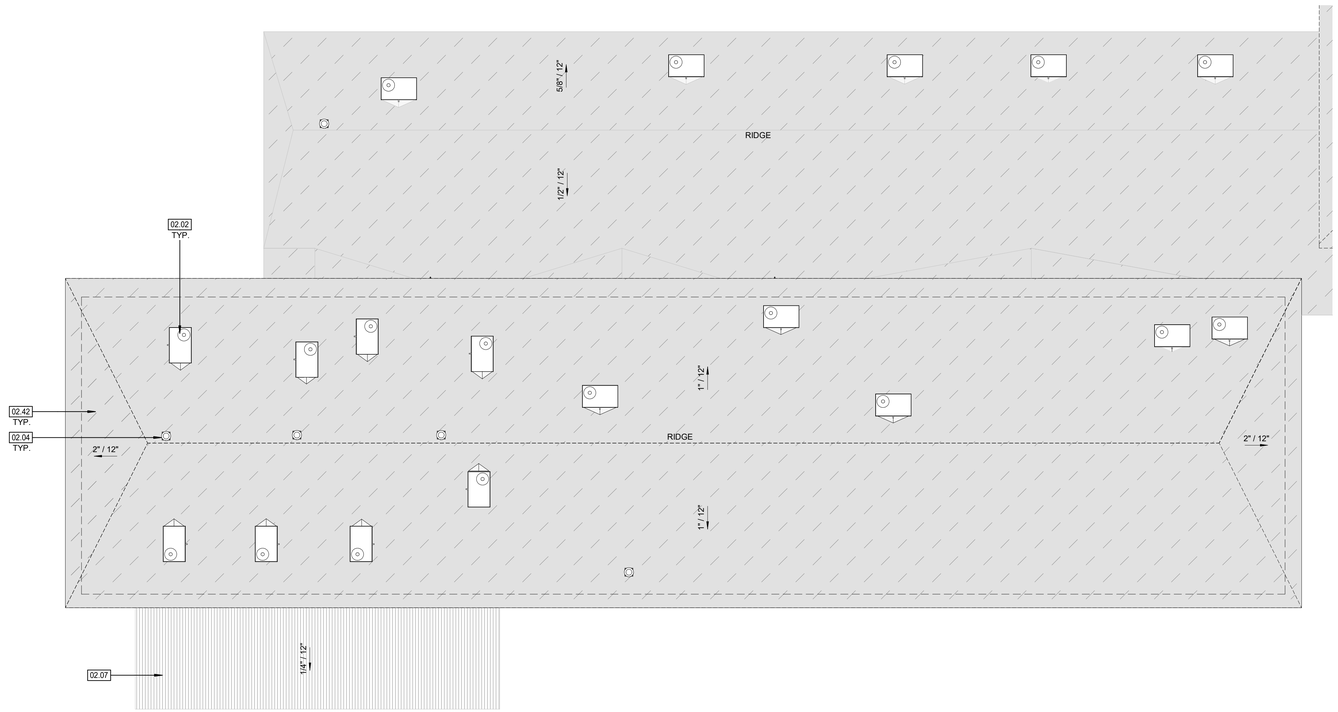
3/32" = 1'-0"



PN

BLDG 1-AB - LOWER ROOF PLAN - DEMO 2

3/32" = 1'-0"



PN

BLDG 1-AB - UPPER ROOF PLAN - DEMO 1

3/32" = 1'-0"

BIM 360://3566002000 Arvin HS ESSER III/3566002000-A-KHSD Arvin HS Roof Replacement.rvt
9/7/2023 9:14:40 PM

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APP: 03-123508 INC:
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DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
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3546 CONCOURS STREET
ONTARIO, CA 91764
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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

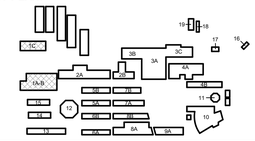
02.02	(E) HVAC UNIT AND CURB TO REMAIN. PROTECT IN PLACE. REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 14/A10.40 AND 16/A10.40.
02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE; REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
02.07	(E) METAL DECK ROOF TO REMAIN, PROTECT IN PLACE
02.18	(E) ROOF DRAIN TO BE REMOVED.
02.33	(E) ROOF MEMBRANE, SEALANT AND FLASHING TO BE REMOVED FROM WALL. CLEAN AND PREP WALL FOR NEW FLASHING.
02.42	PROTECT ALL EXISTING UTILITIES DURING ROOF DEMOLITION AND RE-ROOFING. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

LEGEND - ENLARGED ROOF PLANS

- EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED. EXISTING SHEATHING TO REMAIN. SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.
- EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.
- NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY
- EXISTING BUILT-UP ROOFING TO REMAIN
- ROOF WALKWAY PADS
- NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING
- (N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
BLDG 1A/1B & IC - ROOF PLAN - DEMO

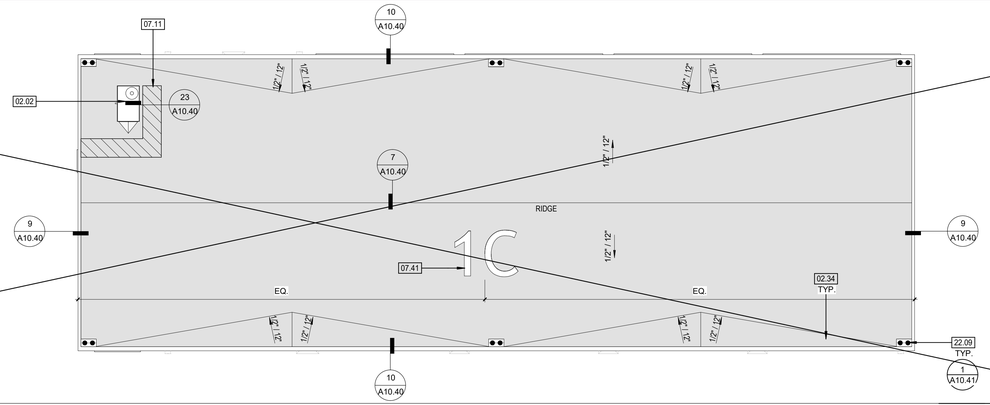
DSA SUBMITTAL

FILE NO.: **15-H3**	A NO.: **03-123508**
DATE: **2023.09.18**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.20

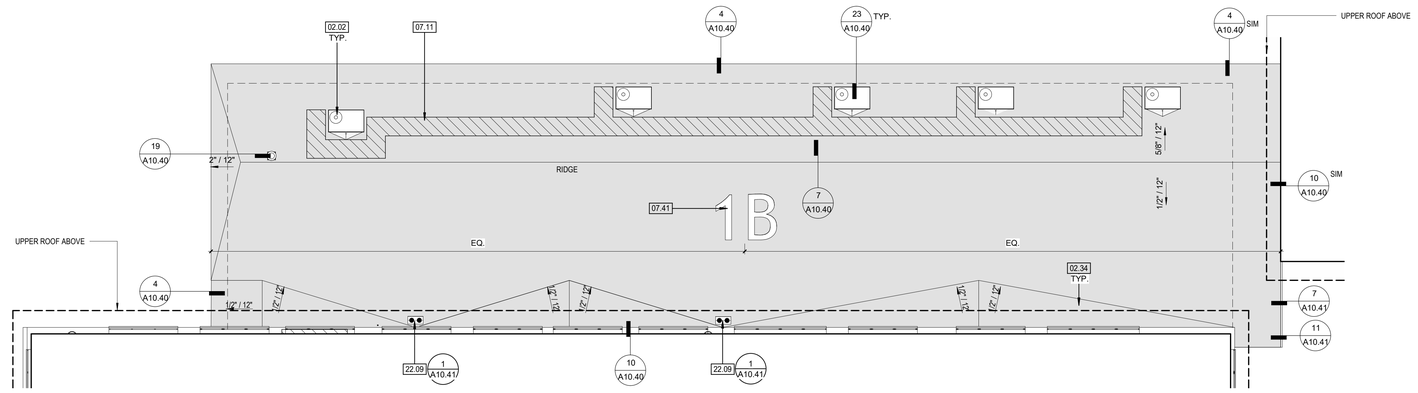
PLEASE RECYCLE



PN

BLDG 1C - ROOF PLAN - REMODEL 3

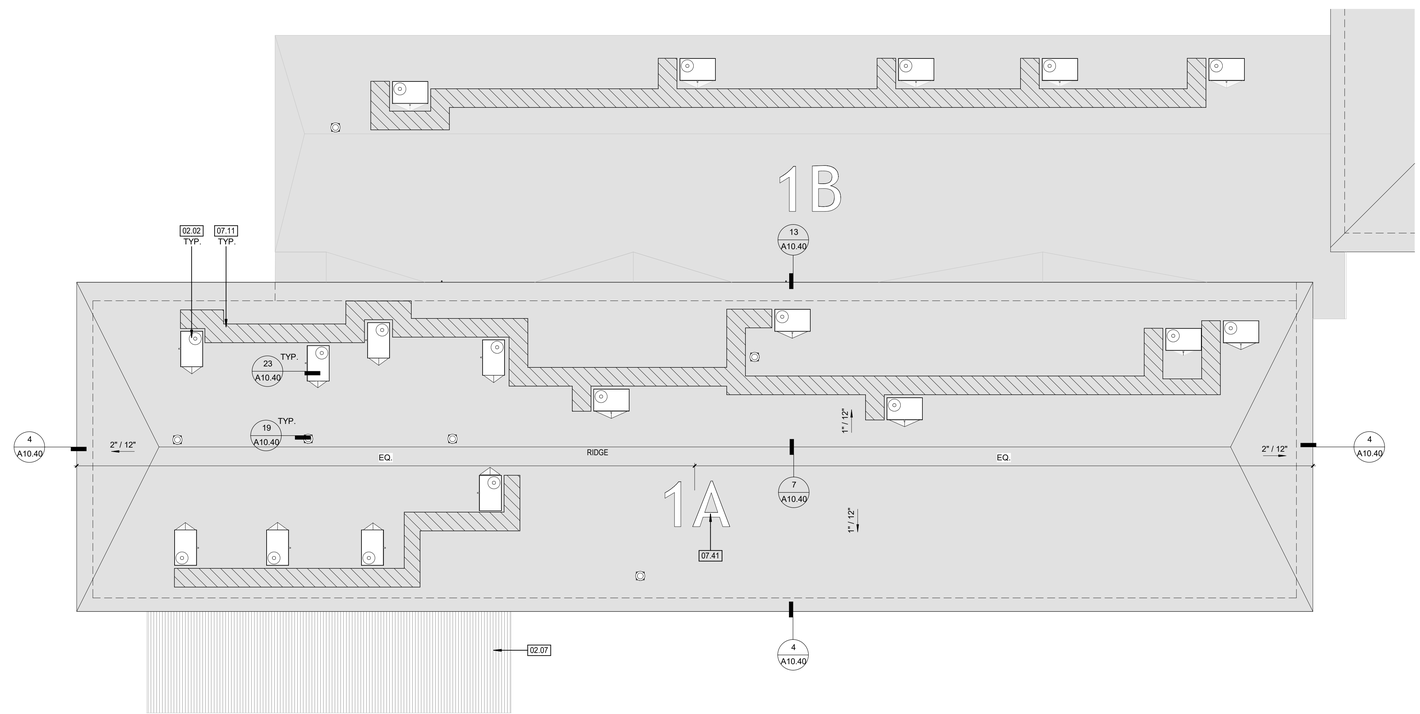
3/32" = 1'-0"



PN

BLDG 1-AB - LOWER ROOF PLAN - REMODEL 2

3/32" = 1'-0"



PN

BLDG 1-AB - UPPER ROOF PLAN - REMODEL 1

3/32" = 1'-0"

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LICENSED ARCHITECT
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STATE OF CALIFORNIA

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KEYNOTES

02.02	(E) HVAC UNIT AND CURB TO REMAIN, PROTECT IN PLACE, REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 14/A10.40 AND 16/A10.40.
02.07	(E) METAL DECK ROOF TO REMAIN, PROTECT IN PLACE
02.34	(E) CRICKETS TO REMAIN. PROTECT IN PLACE.
07.11	ROOF WALKWAY PADS, REFER TO SPEC. SECTION 07 54 19.30
07.41	ROOF GRAPHIC MEMBRANE.
22.09	ROOF DRAIN W/ OVERFLOW DRAIN. REFER TO SPEC SECTION 22 14 23.

LEGEND - ENLARGED ROOF PLANS

EXISTING ROOFING MATERIAL TO BE REMOVED. EXISTING SHEATHING TO REMAIN. SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

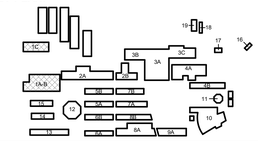
EXISTING BUILT-UP ROOFING TO REMAIN

ROOF WALKWAY PADS

NOTES - ROOF PLANS

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, AND PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 1A/1B & IC - ROOF PLAN - REMODEL

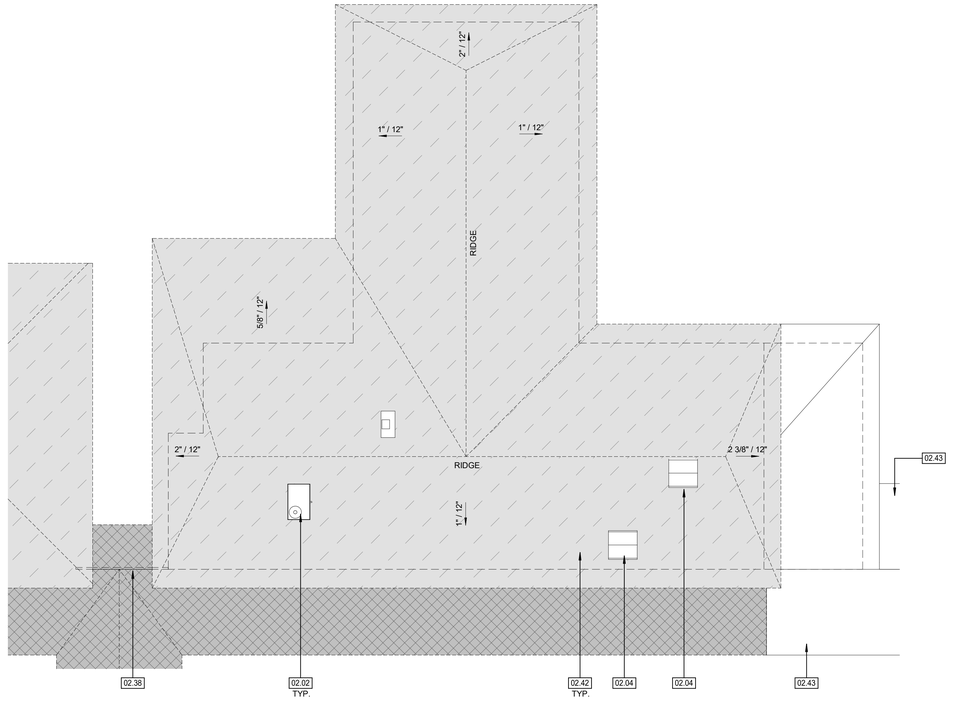
DSA SUBMITTAL

FILE NO.: 15-H3 **A NO.: 03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:

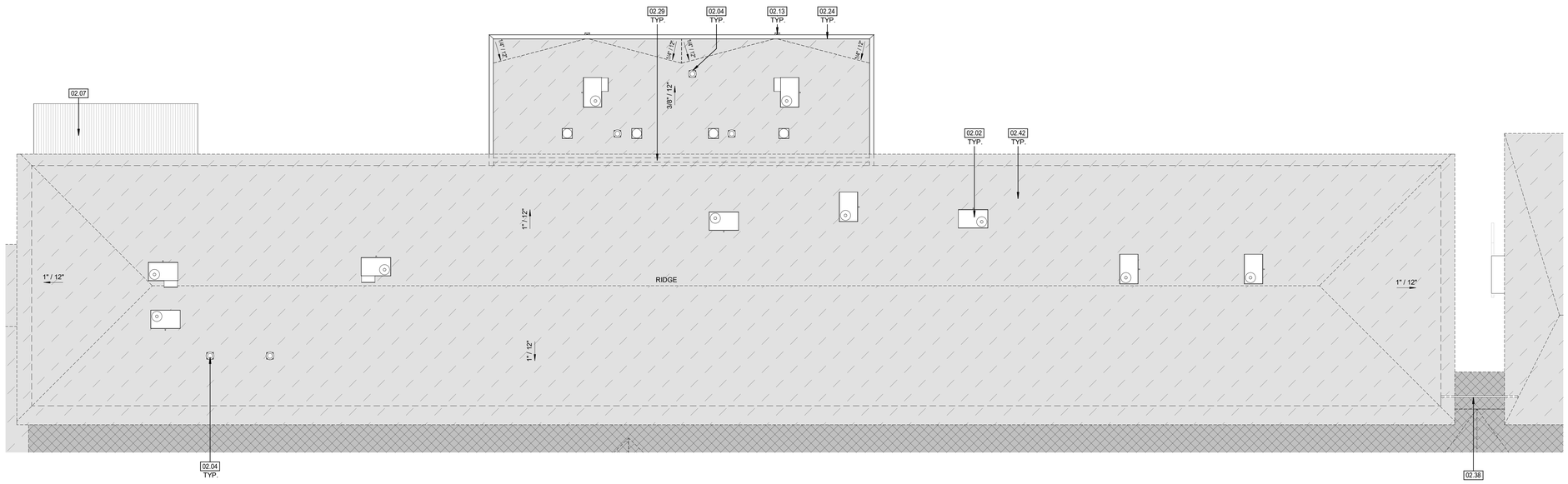
A4.21



BLDG 2B - ROOF PLAN - DEMO

2

3/32" = 1'-0"



BLDG 2A - ROOF PLAN - DEMO

1

3/32" = 1'-0"

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LICENSED ARCHITECT
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No. C-33423
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STATE OF CALIFORNIA

ISSUE

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KEYNOTES

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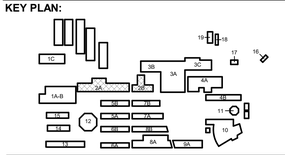
02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE; REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
02.07	(E) METAL DECK ROOF TO REMAIN, PROTECT IN PLACE
02.13	(E) SCUPPER TO BE REMOVED, COLLECTOR HEAD TO BE REMOVED AND REMOUNTED.
02.24	(E) METAL COPING AND NAILER TO BE REMOVED.
02.29	(E) SHEET METAL EXPANSION JOINT COVER, NEOPRENE COVER AND WOOD NAILER TO BE REMOVED.
02.38	(E) BEAM TO REMAIN, PAINT.
02.42	PROTECT ALL EXISTING UTILITIES DURING ROOF DEMOLITION AND RE-ROOFING. CONTRACTOR TO WALK THE JOB PRIOR TO BID.
02.43	(E) COVERED WALKWAY TO REMAIN. PROTECT IN PLACE.

LEGEND - ENLARGED ROOF PLANS

- EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN. SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.
- EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.
- NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY
- EXISTING BUILT-UP ROOFING TO REMAIN
- ROOF WALKWAY PADS
- NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING
- (N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

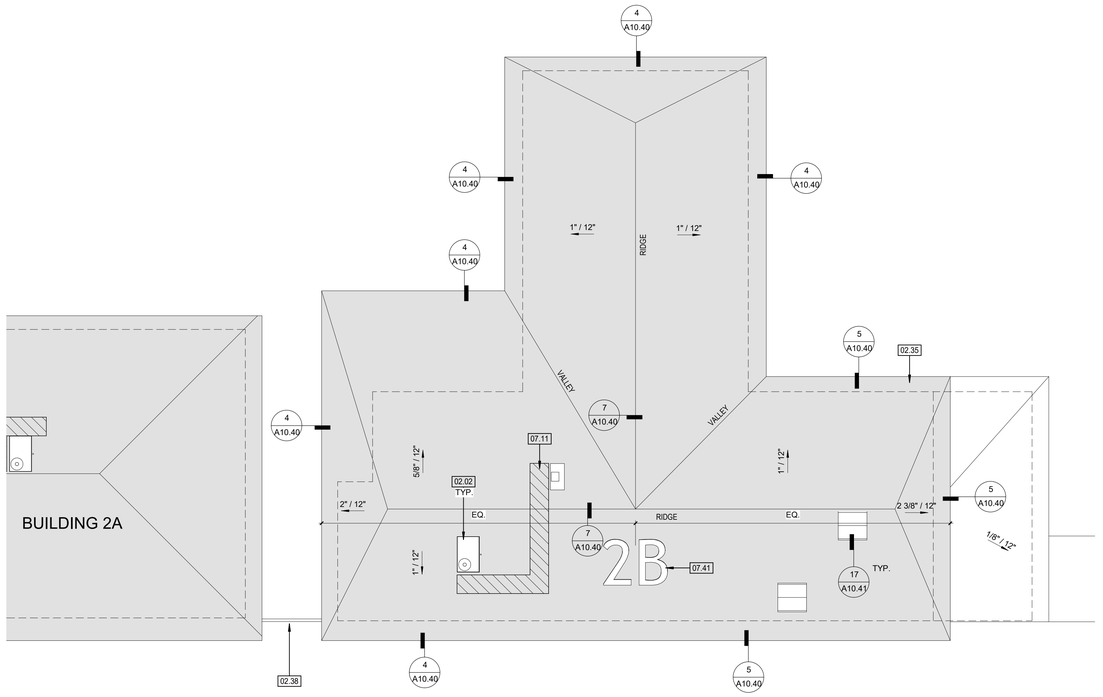
BLDG 2A & 2B - ROOF PLAN - DEMO

DSA SUBMITTAL

FILE NO.: 15-H3	**A NO.: 03-123508**
DATE: **2023.09.18**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.30



PN

BLDG 2B - ROOF PLAN - REMODEL **2** 3/32" = 1'-0"

BLDG 2A - ROOF PLAN- REMODEL **1** 3/32" = 1'-0"

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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

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02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE, REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
02.34	(E) CRICKETS TO REMAIN. PROTECT IN PLACE.
02.35	(E) CONCRETE ROOF STRUCTURE
02.38	(E) BEAM TO REMAIN, PAINT.
07.11	ROOF WALKWAY PADS, REFER TO SPEC. SECTION 07 54 19.30
07.35	THRU-WALL SCUPPER 11&12 / A10.41
07.38	SHEET METAL COPING AND WOOD NAILER
07.39	SHEET METAL EXPANSION JOINT COVER, NEOPRENE COVER AND WOOD NAILER
07.41	ROOF GRAPHIC MEMBRANE.

LEGEND - ENLARGED ROOF PLANS

EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

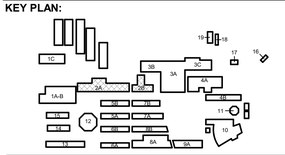
ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

(N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 2A & 2B - ROOF PLAN - REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	**A NO.: 03-123508**
DATE: **2023.09.18**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.31

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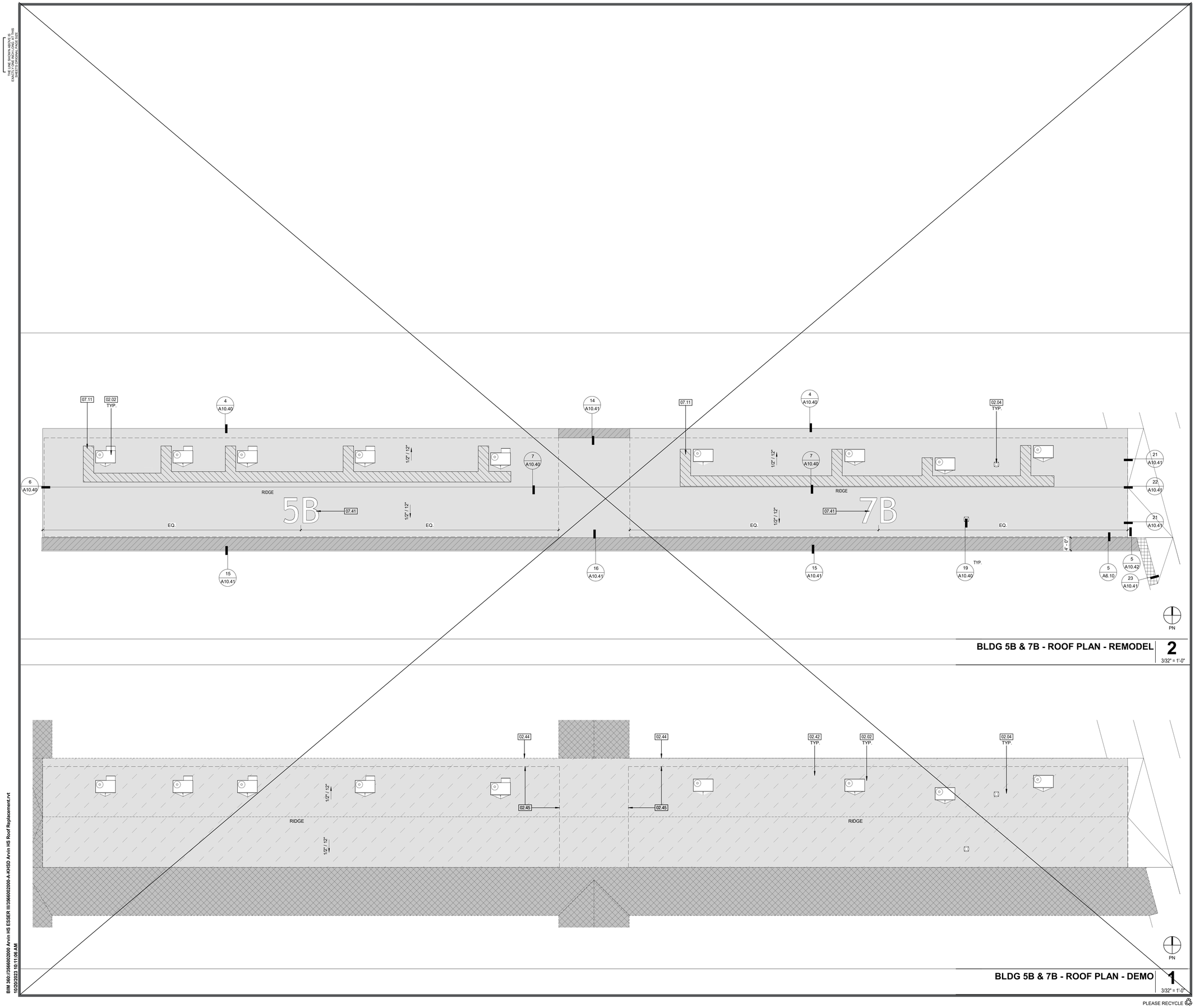

BLDG 5B & 7B - ROOF PLAN - REMODEL 2

3/32" = 1'-0"

BLDG 5B & 7B - ROOF PLAN - DEMO 1

3/32" = 1'-0"

PLEASE RECYCLE

BIM 360://3566002000 Arvin HS ESSER III/3566002000-A-KHSD Arvin HS Roof Replacement.rvt
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KEYNOTES

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02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE; REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
02.42	PROTECT ALL EXISTING UTILITIES DURING ROOF DEMOLITION AND RE-ROOFING. CONTRACTOR TO WALK THE JOB PRIOR TO BID.
02.44	EDGE OF OVERHANG
02.45	EDGE OF BUILDING
07.11	ROOF WALKWAY PADS, REFER TO SPEC. SECTION 07 54 19.30
07.41	ROOF GRAPHIC MEMBRANE.

LEGEND - ENLARGED ROOF PLANS

EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

(N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
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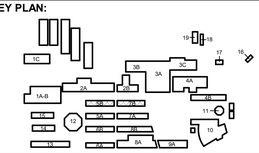
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 5B & 7B - ROOF PLAN - DEMO & REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	**A NO.: 03-123508**
DATE: **2023.07.25**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.40

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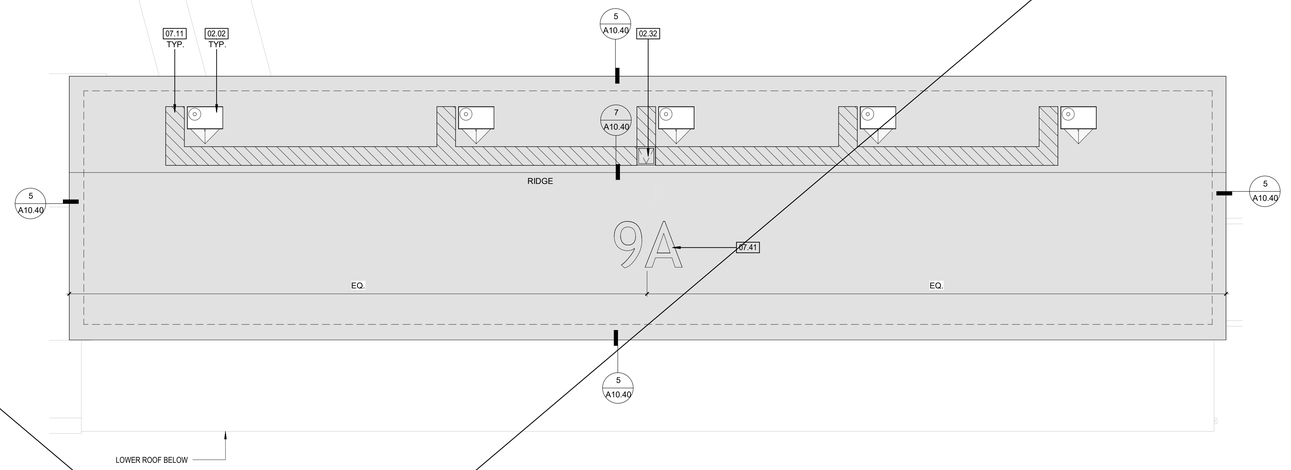
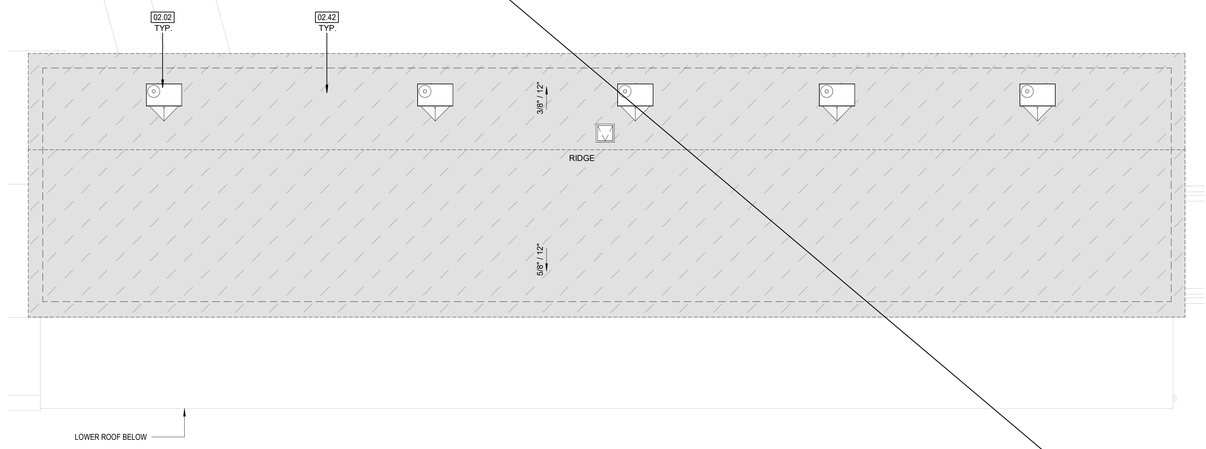


BLDG 9A - UPPER ROOF PLAN - REMODEL

2

3/32" = 1'-0"



BLDG 9A - UPPER ROOF PLAN - DEMO

1

3/32" = 1'-0"

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Δ	DESCRIPTION	DATE

KEYNOTES

02.02	(E) HVAC UNIT AND CURB TO REMAIN, PROTECT IN PLACE. REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 14/A10.40 AND 16/A10.40.
02.32	(E) ROOF HATCH TO REMAIN, PROTECT IN PLACE.
02.42	PROTECT ALL EXISTING UTILITIES DURING ROOF DEMOLITION AND RE-ROOFING. CONTRACTOR TO WALK THE JOB PRIOR TO BID.
07.11	ROOF WALKWAY PADS, REFER TO SPEC. SECTION 07 54 19.30
07.41	ROOF GRAPHIC MEMBRANE.

LEGEND - ENLARGED ROOF PLANS

EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

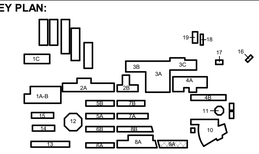
ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

(N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 9A - UPPER ROOF PLAN - DEMO & REMODEL

DSA SUBMITTAL

FILE NO.: **15-H3**	A NO.: **03-123508**
DATE: **2023.09.18**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.50

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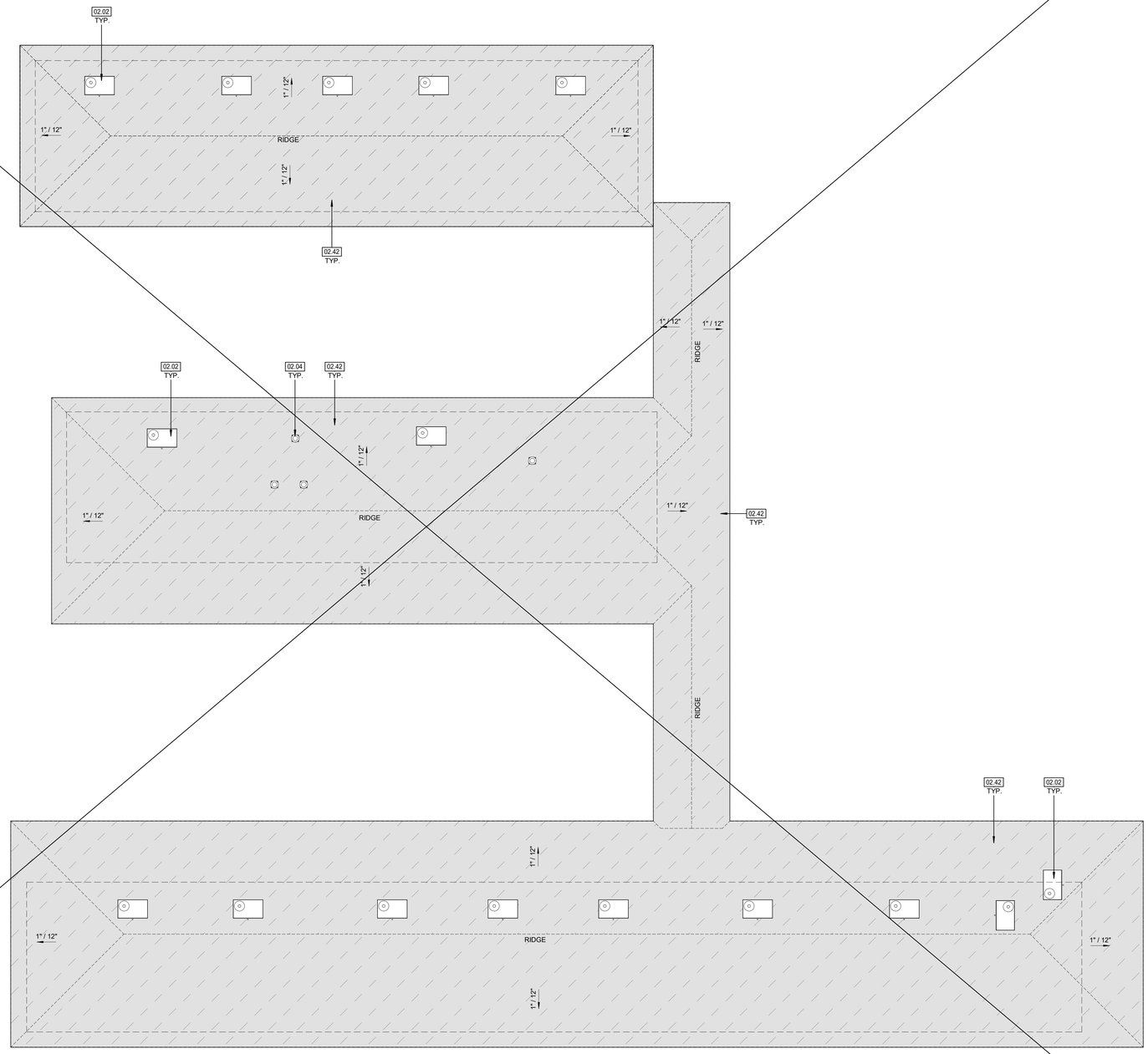

PN

BLDG 13, 14 & 15 - ROOF PLAN - DEMO 1

3/32" = 1'-0"

PLEASE RECYCLE

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DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects

3566-002-103

3546 CONCOURS STREET
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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
09/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

02.02	(E) HVAC UNIT AND CURB TO REMAIN, PROTECT IN PLACE. REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 14/A10.40 AND 16/A10.40.
02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE; REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
02.42	PROTECT ALL EXISTING UTILITIES DURING ROOF DEMOLITION AND RE-ROOFING. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

LEGEND - ENLARGED ROOF PLANS

EXISTING BUILT-UP ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED. SEE A3.10 FOR START AND ENDING LOCATONS OF REMOVAL.

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

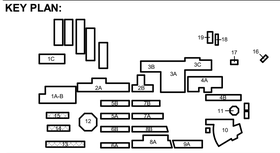
ROOF WALKWAY PADS

NEW BUILT UP ROOFING TO PATCH REPAIR NEW FRAMING

(N) OVERHANG EXTENSION

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, GUTTERS, MECHANICAL EQUIPMENT CURBS FLASHING, EXHAUST FANS, SKYLIGHTS AND ALL PIPE / CONDUIT PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
2. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE NOT SHOWN.
3. NO WORK, INCLUDING DEMOLITION, SHALL BEGIN UNTIL PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY DSA.
4. (E) UTILITIES ON THE ROOF TO BE PROTECTED DURING DEMOLITION AND INSTALLATION OF ROOFING MEMBRANE. CONTRACTOR TO WALK THE JOB PRIOR TO BID.

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 13, 14 & 15 - ROOF PLAN - DEMO

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

A4.60

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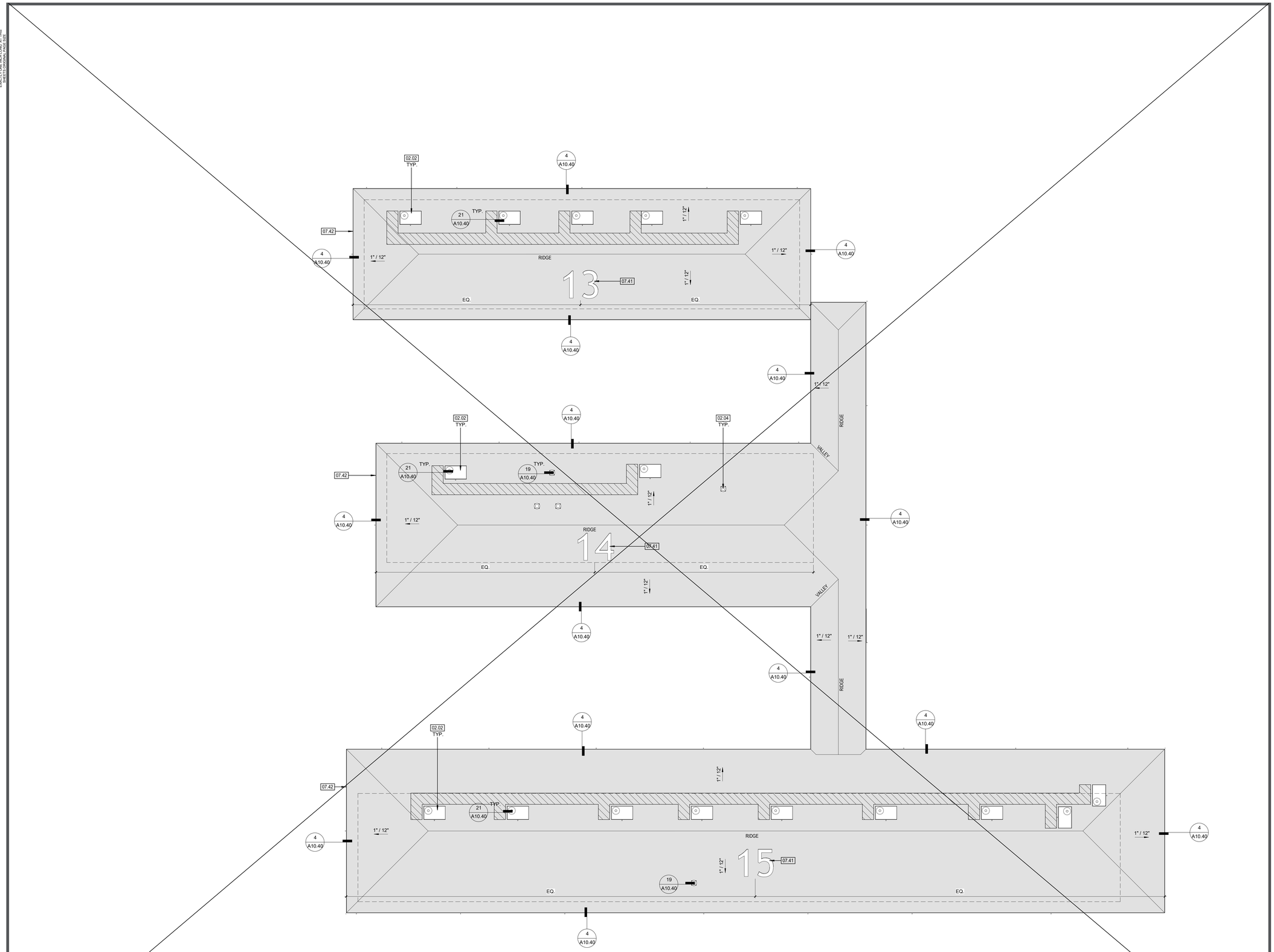

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02.04	(E) EXHAUST FAN AND CURB TO REMAIN, PROTECT IN PLACE; REPLACE CURB ROOF MEMBRANE FLASHING PER DETAILS 18/A10.40.
07.41	ROOF GRAPHIC MEMBRANE.
07.42	PVC CLAD EDGE FLASHING / METAL GUTTER. SEE DETAIL 4, 5, AND 13/A10.40.

LEGEND - ENLARGED ROOF PLANS

EXISTING ROOFING MATERIAL TO BE REMOVED, EXISTING SHEATHING TO REMAIN, SHEATHING TO BE INSPECTED FOR DRY ROT, TERMITE, AND MOISTURE DAMAGE. NOTIFY ARCHITECT IF DAMAGE IS FOUND. **EXTENTS AND ANY REPAIR OF ROOF SHEATHING SHALL BE PERFORMED BY A CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA.** PREP ROOF SHEATHING FOR NEW PVC ROOF MEMBRANE ASSEMBLY.

EXISTING CANOPY TO BE REMOVED

NEW SINGLE PLY PVC ROOFING CLASS-A, SEE DETAIL 1, 2 OR 3 ON SHEET A10.40 FOR ROOF ASSEMBLY

EXISTING BUILT-UP ROOFING TO REMAIN

ROOF WALKWAY PADS

NOTES - ROOF PLANS

1. ALL ROOFING MATERIAL INCLUDING MEMBRANE, FLASHING, EDGES, AND PENETRATIONS TO BE INSTALLED PER MANUFACTURER REQUIREMENTS. SEE SHEET A10.40 AND A10.41 TYPICAL ROOFING DETAILS.
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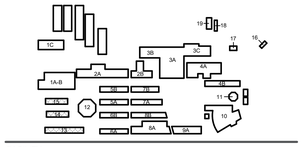
KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
BLDG 13, 14 & 15 - ROOF PLAN - REMODEL

DSA SUBMITTAL

FILE NO.: 15-H3	**A NO.: 03-123508**
DATE: **2023.09.18**	CLIENT PROJ NO: **3566002103**

SHEET:

A4.61

BLDG 13, 14 & 15 - ROOF PLAN - REMODEL 1
3/32" = 1'-0"

PN

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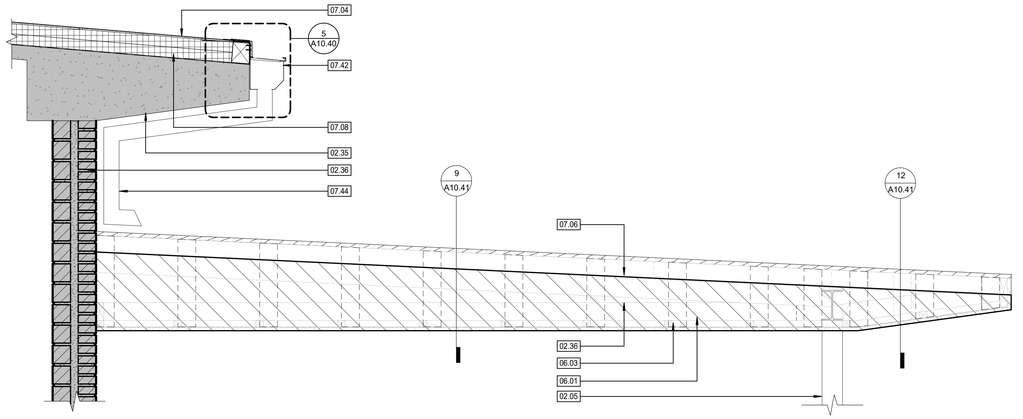
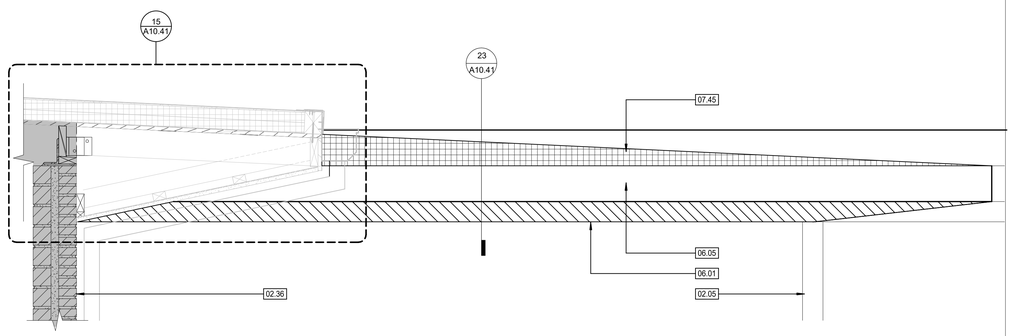
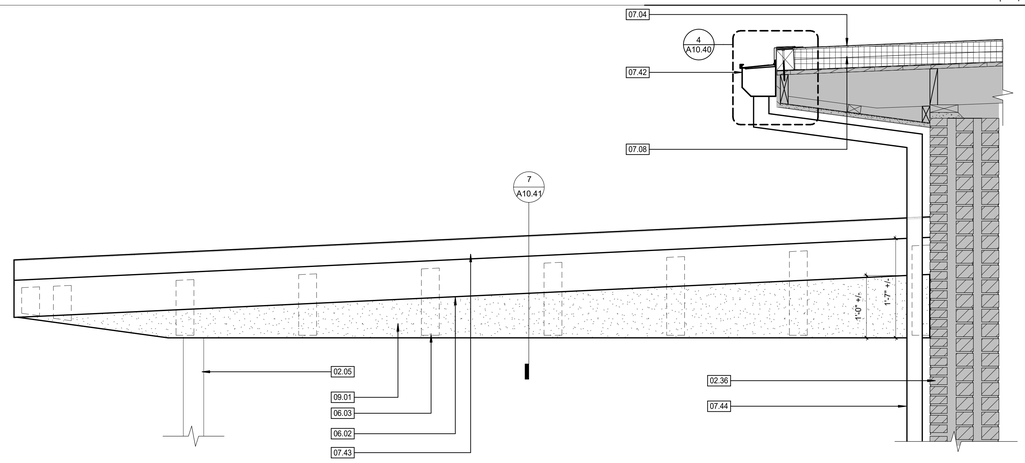


BLDG 2B - CANOPY END **4** 1" = 1'-0"

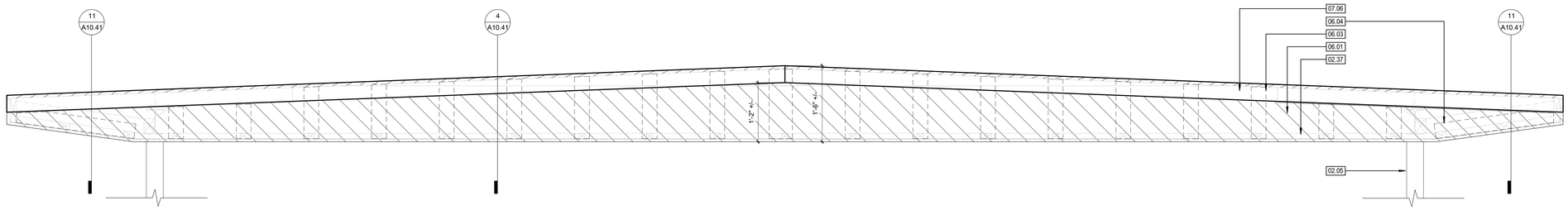


BLDG 7B - CANOPY END **5** 1" = 1'-0"



BLDG 1B/2A CANOPY **3** 1" = 1'-0"

BLDG 5B - END ELEVATION **2** 1/2" = 1'-0"



CANOPY AT CORRIDOR **1** 1" = 1'-0"

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KEYNOTES

02.05	(E) COLUMN TO REMAIN, PROTECT IN PLACE
02.06	(E) COLUMN TO BE REMOVED. REFER TO DETAIL 20/A10.41 FOR COLUMN BASE REMOVAL
02.35	(E) CONCRETE ROOF STRUCTURE
02.36	(E) BRICK MASONRY WALL
02.37	(E) FRAMING BEYOND (GRAY-OUT FOR CLARITY)
02.39	(E) COVERED WALKWAY / CANOPY TO BE REMOVED
06.01	1/2" THK. PLYWOOD SHEATHING - PAINTED
06.02	2X12 FASCIA BOARDS - PAINTED
06.03	2X4 NAILER 24" O.C. TO EXISTING FRAMING
06.04	2X FRAMING SISTERED TO EXISTING FRAMING
06.05	2X FASCIA BOARD TO ALIGN WITH EXISTING - PAINTED
07.04	SINGLE-PLY MEMBRANE ROOFING ASSEMBLY PER DETAILS ON SHEET A10.40
07.06	24 GA. SHEET METAL FLASHING, PTD.
07.08	RIGID THERMAL INSULATION
07.42	PVC CLAD EDGE FLASHING / METAL GUTTER. SEE DETAIL 4, 5, AND 13/A10.40.
07.43	PVC CLAD EDGE FLASHING
07.44	SCHEDULE 40 DOWNSPOUT, SEE DETAIL 24 & 25 A10.41 AND PLUMBING DWGS.
07.45	BUILT UP ROOFING - PATCHED AND REPAIR OVER NEW FRAMING
09.01	EXT. CEMENT PLASTER ASSEMBLY
26.02	LIGHT FIXTURE. SEE ELECTRICAL

NOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
WALL SECTIONS

DSA SUBMITTAL

FILE NO.: **15-H3** A NO.: **03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:

A6.10

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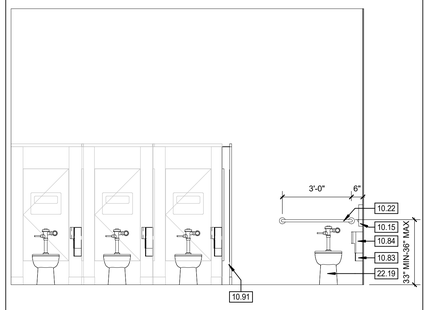
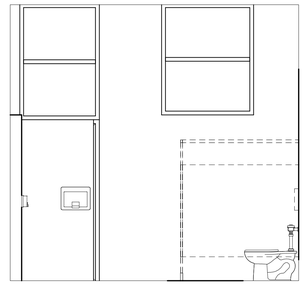
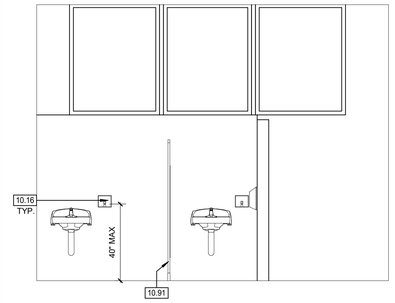


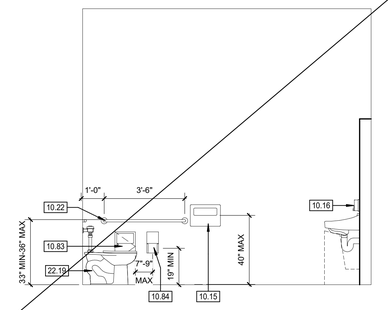
GIRLS RESTROOM - NORTH ELEVATION **20** 3/8" = 1'-0"



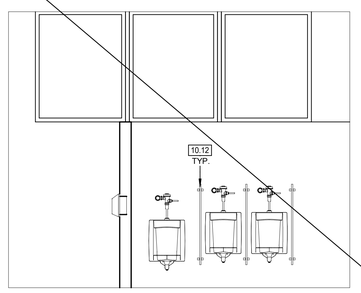
GIRLS RESTROOM - WEST ELEVATION **15** 3/8" = 1'-0"



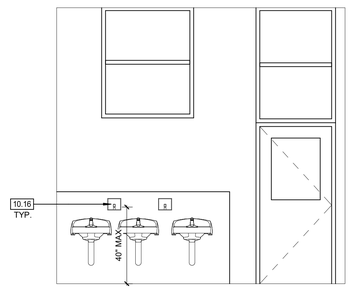
GIRLS RESTROOM - SOUTH ELEVATION **10** 3/8" = 1'-0"



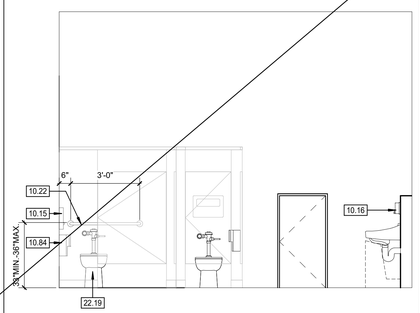
GIRLS RESTROOM - EAST ELEVATION **5** 3/8" = 1'-0"



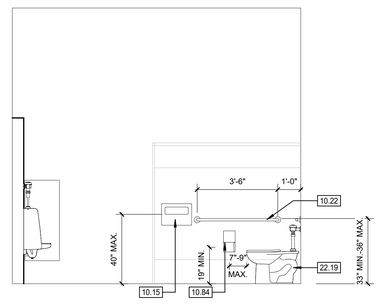
BOYS RESTROOM- NORTH ELEVATION **19** 3/8" = 1'-0"



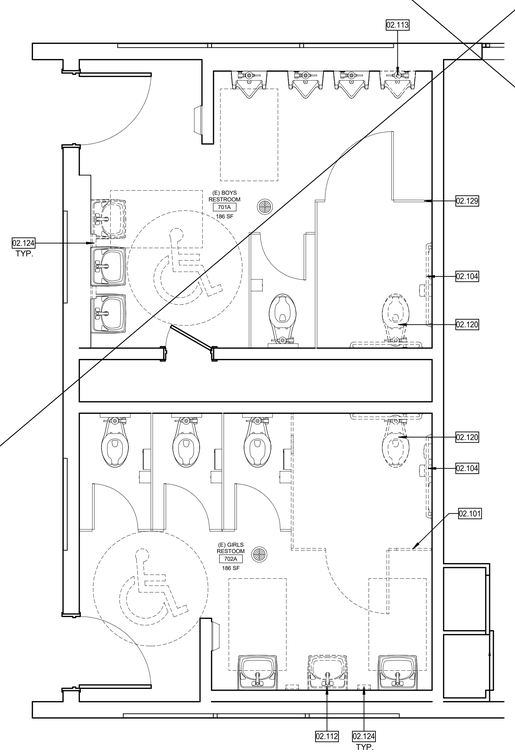
BOYS RESTROOM- WEST ELEVATION **14** 3/8" = 1'-0"



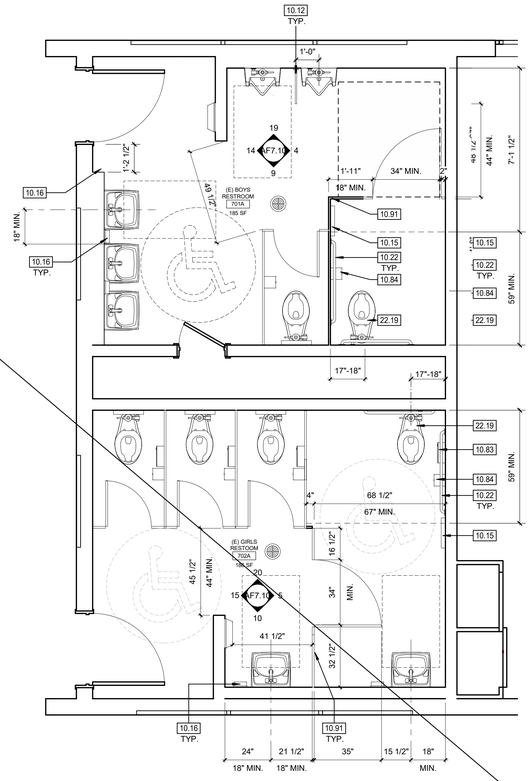
BOYS RESTROOM- SOUTH ELEVATION **9** 3/8" = 1'-0"



BOYS RESTROOM- EAST ELEVATION **4** 3/8" = 1'-0"



BLDG 7A-ENLARGED FLOOR PLAN - DEMO **11** 3/8" = 1'-0"



BLDG 7A-ENLARGED FLOOR PLAN - EXISTING RESTROOM - REMODEL **1** 3/8" = 1'-0"

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No. C-33423
05/30/2025
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ISSUE

Δ	DESCRIPTION	DATE

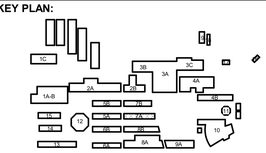
KEYNOTES

02.101	(E) TOILET PARTITION TO BE REMOVED. PATCH AND REPAIR WALL AND FLOOR TILE TO MATCH EXISTING.
02.104	(E) GRAB BAR, TOILET PAPER DISPENSER, SANITARY NAPKIN DISPOSAL AND SEAT COVER TO BE REMOVED. PATCH AND REPAIR WALL AND TILE TO MATCH EXISTING.
02.112	(E) SINK TO BE REMOVED. CAP WATER AND SEWER. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.113	(E) URINAL TO BE REMOVED. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.120	(E) TOILET TO BE REMOVED AND RELOCATED. ADJUST SEWER AS REQUIRED. PATCH AND REPAIR FLOOR TILE AND CONCRETE TO MATCH EXISTING. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO REMOVAL.
02.124	(E) SOAP DISPENSER TO BE REMOVED. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.129	E) TOILET PARTITION TO REMAIN, PROTECT IN PLACE
10.12	URINAL PARTITION
10.15	SURFACE MOUNTED SEAT COVER DISPENSER: SEE DETAIL 9/A10.81
10.16	SURFACE MOUNTED SOAP DISPENSER. SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.22	GRAB BAR: 36" MIN. AT REAR WALL & 42" MIN. AT SIDE WALL. SEE DETAIL 9 & 21/A10.81
10.83	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.84	SURFACE MOUNTED TOILET TISSUE DISPENSER, SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.91	TOILET PARTITION - SEE DETAILS 16, 17 & 18 ON SHEET A10.81
22.19	RELOCATED FLOOR MOUNTED TOILET

NOTES

1. CONTRACTOR TO REMOVE AND REMOUNT ALL EXISTING TOILET ACCESSORIES PER DETAIL 9/A10.81

KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD - ARVIN HIGH SCHOOL ESSER III PHASE 1 ROOFING PROJECT

SHEET NAME:
BLDG 7A- ENLARGED FLOOR PLANS & ELEVATIONS - EXISTING RESTROOM

DSA SUBMITTAL

FILE NO.: **15-H3**	A NO.: **03-123508**
DATE: **2023.07.25**	CLIENT PROJ NO: **3566002103**

SHEET:

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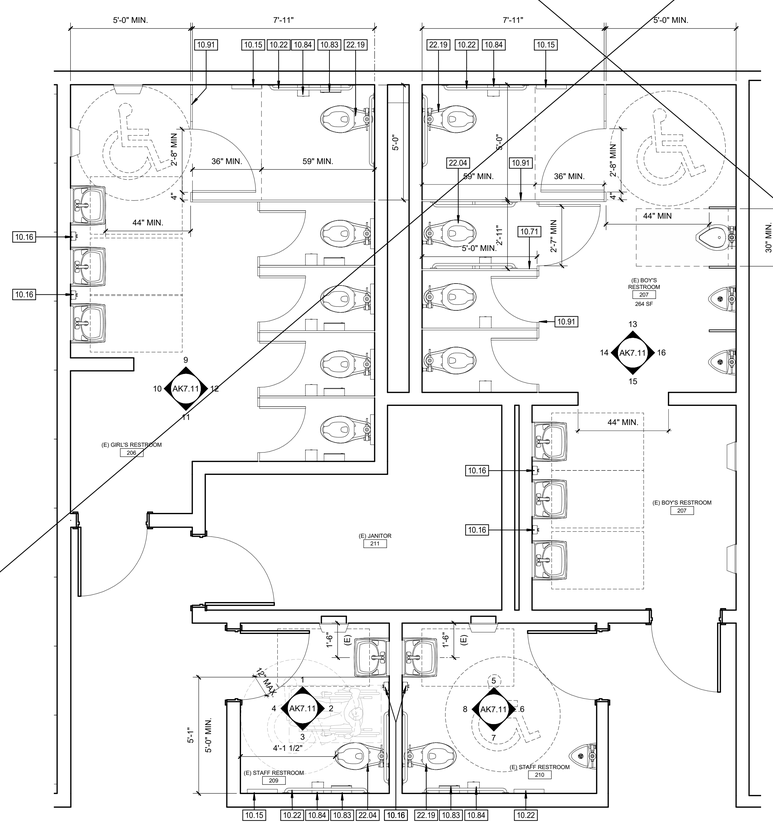
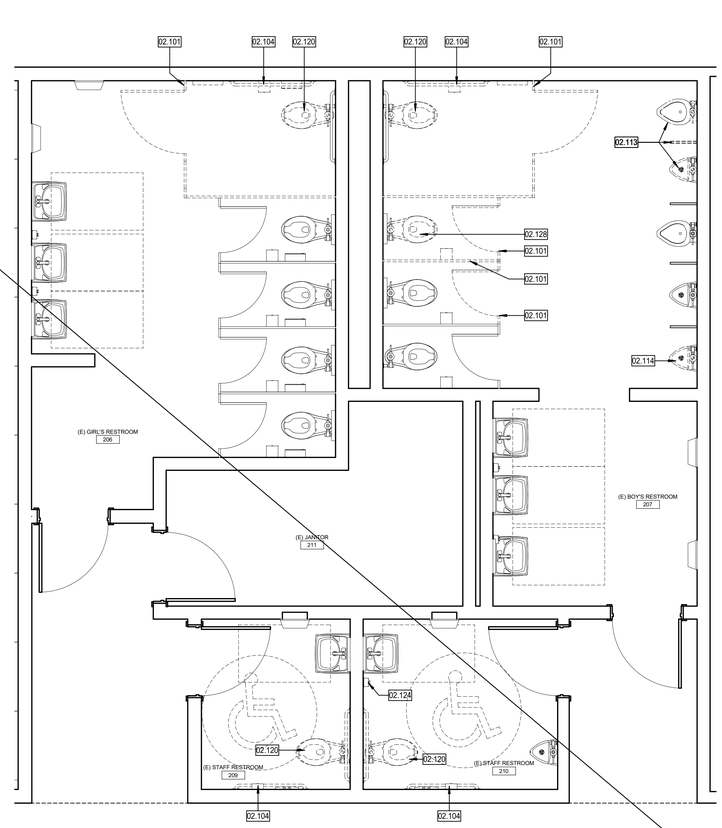


BLDG 14 - RESTROOMS -REMODEL **11**
3/8" = 1'-0"



BLDG 14 - RESTROOMS - DEMO **1**
3/8" = 1'-0"

PLEASE RECYCLE

BIM 360://3566002000 Arvin HS ESSER III\3566002000 KHSD Arvin HS_BLDG 13, 14 & 15.rvt
10/17/2023 11:09:49 AM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects
3566-002-000
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
05/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

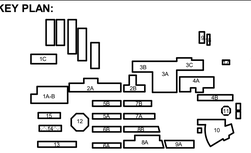
KEYNOTES

02.101	(E) TOILET PARTITION TO BE REMOVED, PATCH AND REPAIR WALL AND FLOOR TILE TO MATCH EXISTING.
02.104	(E) GRAB BAR, TOILET PAPER DISPENSER, SANITARY NAPKIN DISPOSAL AND SEAT COVER TO BE REMOVED. PATCH AND REPAIR WALL AND TILE TO MATCH EXISTING.
02.113	(E) URINAL TO BE REMOVED. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.114	(E) URINAL TO BE REMOVED. ADJUST TO NEW HEIGHT. SEE 16/AG2.21 FOR NEW HEIGHT. ADJUST WATER/SEWER AS NEEDED. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.120	(E) TOILET TO BE REMOVED AND RELOCATED. ADJUST SEWER AS REQUIRED. PATCH AND REPAIR FLOOR TILE AND CONCRETE TO MATCH EXISTING. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO REMOVAL.
02.124	(E) SOAP DISPENSER TO BE REMOVED. PATCH AND REPAIR TILE TO MATCH EXISTING.
02.128	(E) TOILET TO BE DEMO AND REMOVED.
10.15	SURFACE MOUNTED SEAT COVER DISPENSER: SEE DETAIL 9/A10.81
10.16	SURFACE MOUNTED SOAP DISPENSER. SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.22	GRAB BAR: 36" MIN. AT REAR WALL & 42" MIN. AT SIDE WALL. SEE DETAIL 9 & 21/A10.81
10.71	AMBULATORY STALL GRAB BARS AND MOUNTED ACCESSORIES. SEE DETAIL 9/A10.81
10.83	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.84	SURFACE MOUNTED TOILET TISSUE DISPENSER, SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.91	TOILET PARTITION - SEE DETAILS 16, 17 & 18 ON SHEET A10.81
22.04	FLOOR MOUNTED ACCESSIBLE WATER CLOSET. REFER TO PLUMBING
22.19	RELOCATED FLOOR MOUNTED TOILET

NOTES

1. CONTRACTOR TO REMOVE AND REMOUNT ALL EXISTING TOILET ACCESSORIES PER DETAIL 9/A10.81
2. REFER TO DETAIL 9/A10.81 FOR ALL TOILET PARITIONS AND TOILET ACCESSORIES MOUNTING DIMENSION AND CLEARANCES.
3. PATCH AND REPAIR TILE TO MATCH EXISTING WHERE TILE IS BEING REMOVED FOR TOILETS, GRAB BAR BACKING AND TOILET PARTITION BACKING.

KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

SHEET NAME:
BLDG 14 - ENLARGED FLOOR PLANS - RESTROOMS

DSA SUBMITTAL

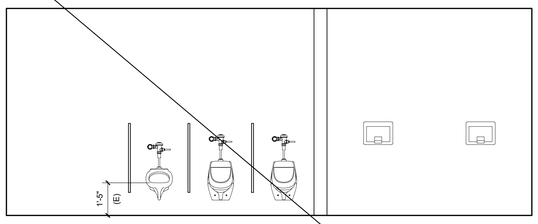
FILE NO.: 15-H3 **A NO.: 03-123508**

DATE: **2023.07.25** CLIENT PROJ NO: **3566002103**

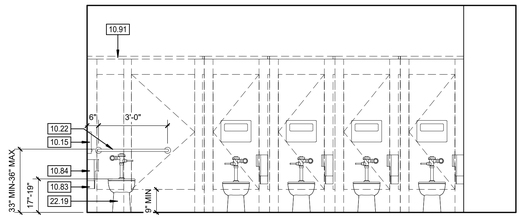
SHEET:

AK7.10

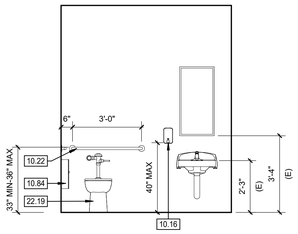
THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL PLOTS. IF NOT, ADJUST SCALE ACCORDINGLY



BLDG 14 - BOY'S R.R. 207 - WEST ELEVATION 16 — 3/8" = 1'-0"



BLDG 14 - GIRL'S R.R. RM 206 - WEST ELEVATION 12 — 3/8" = 1'-0"



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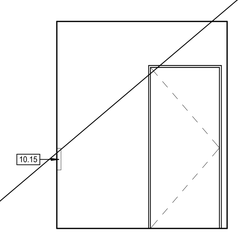
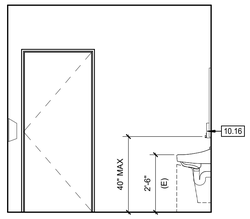
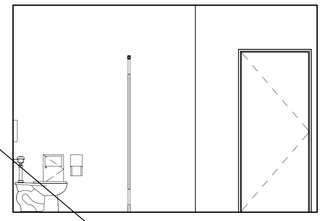


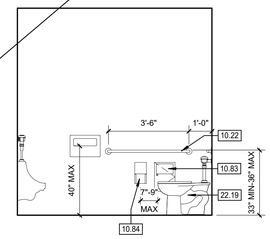
BLDG 14 - STAFF R.R. - RM 209 - WEST ELEVATION 4 — 3/8" = 1'-0"



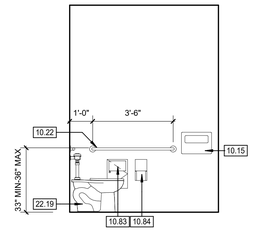
BLDG 14 - BOY'S R.R. RM 207 - SOUTH ELEVATION 15 — 3/8" = 1'-0"



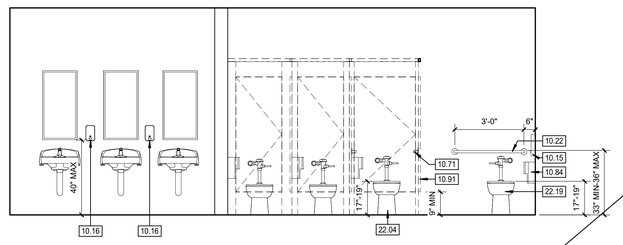
BLDG 14 - GIRL'S R.R. RM 206 - SOUTH ELEVATION 11 — 3/8" = 1'-0"



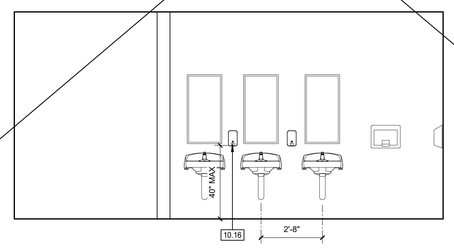
BLDG 14 - STAFF R.R. RM 210 - SOUTH ELEVATION 7 — 3/8" = 1'-0"



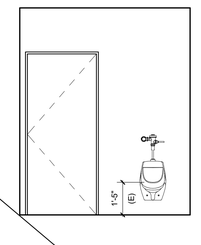
BLDG 14 - STAFF R.R. RM 209 - SOUTH ELEVATION 3 — 3/8" = 1'-0"



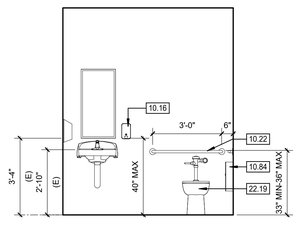
BLDG 14 - BOY'S R.R. RM 207 - EAST ELEVATION 14 — 3/8" = 1'-0"



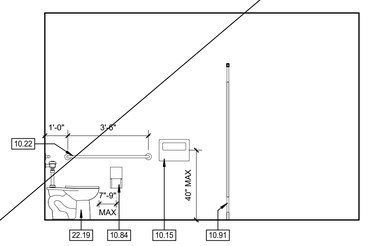
BLDG 14 - GIRL'S R.R. RM 206 - EAST ELEVATION 10 — 3/8" = 1'-0"



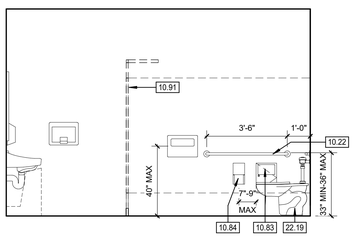
BLDG 14 - STAFF R.R. RM 210 - EAST ELEVATION 6 — 3/8" = 1'-0"



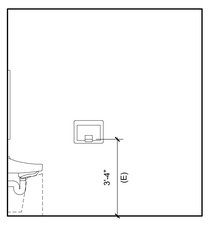
BLDG 14 - STAFF R.R. RM 209 - EAST ELEVATION 2 — 3/8" = 1'-0"



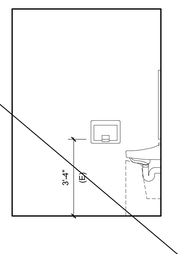
BLDG 14 - BOY'S R.R. RM 207 - NORTH ELEVATION 13 — 3/8" = 1'-0"



BLDG 14 - GIRL'S R.R. RM 206 - NORTH ELEVATION 9 — 3/8" = 1'-0"



BLDG 14 - STAFF R.R. RM 210 - NORTH ELEVATION 5 — 3/8" = 1'-0"



BLDG 14 - STAFF R.R. RM 209 - NORTH ELEVATION 1 — 3/8" = 1'-0"

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
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HMC Architects

3566-002-000

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ONTARIO, CA 91764
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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
05/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

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10.16	SURFACE MOUNTED SOAP DISPENSER. SEE DETAIL 9/A10.81 FOR MOUNTING HEIGHTS
10.22	GRAB BAR: 36" MIN. AT REAR WALL & 42" MIN. AT SIDE WALL. SEE DETAIL 9 & 21/A10.81
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FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

SHEET NAME:
BLDG 14 - RESTROOM INTERIOR ELEVATIONS

DSA SUBMITTAL

FILE NO.: **15-H3** | A NO.: **03-123508**
DATE: **2023.09.18** | CLIENT PROJ NO: **3566002103**
SHEET:

AK7.11

BIM 360://3566002000 Arvin HS ESSER III/3566002000 KHSD Arvin HS_BLDG 13, 14 & 15.rvt
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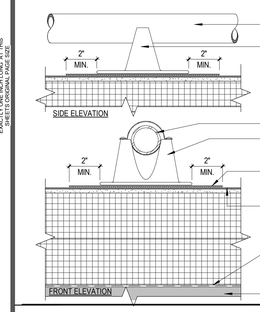
THE LINE SHOWN ABOVE IS 3" LONG ON ORIGINAL SHEETS (ORIGINAL PAGE SIZE)



PIPE SUPPORT 25
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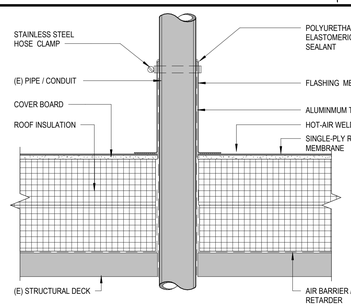

PIPE PENETRATION FLASHING 24
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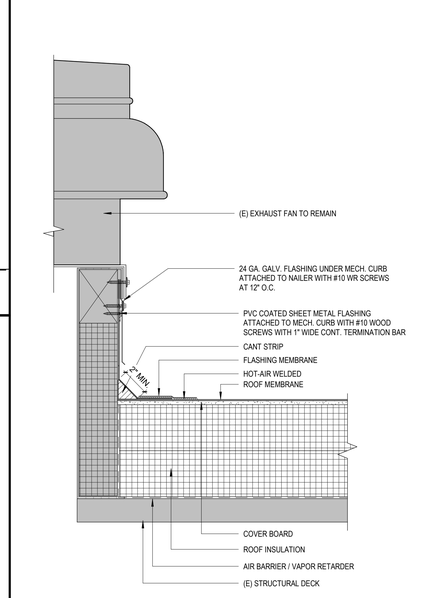

FLASHING AT EXHAUST FAN 19
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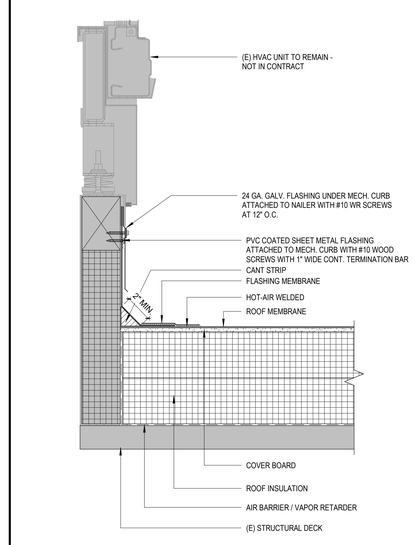

FLASHING AT AIR HANDLER 14
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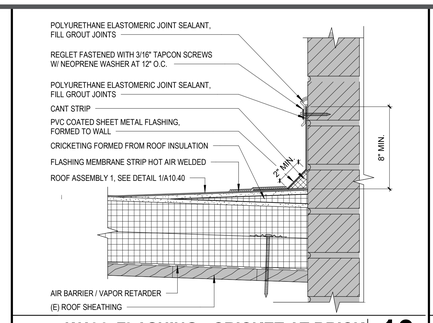

WALL FLASHING - CRICKET AT BRICK WALL 10
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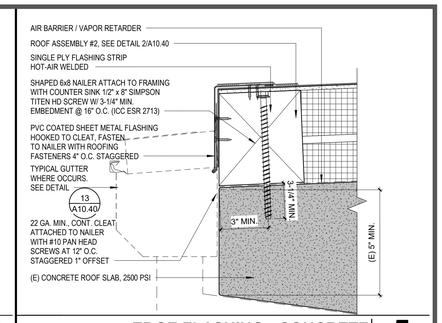

EDGE FLASHING - CONCRETE 5
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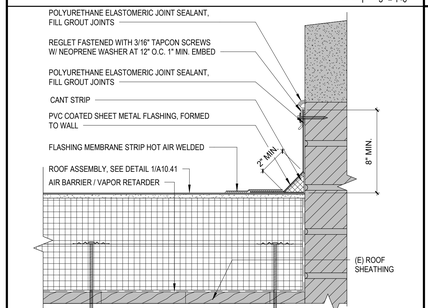

WALL FLASHING AT PARAPET 9
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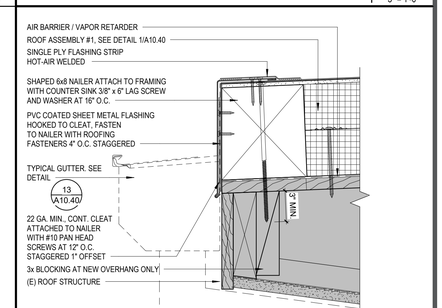

EDGE FLASHING - WOOD 4
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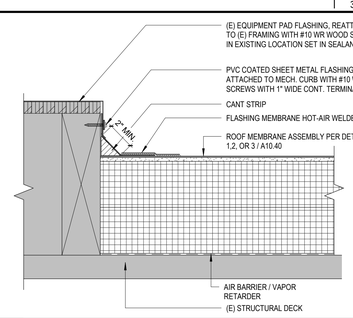

FLASHING EQUIPMENT CURB 23
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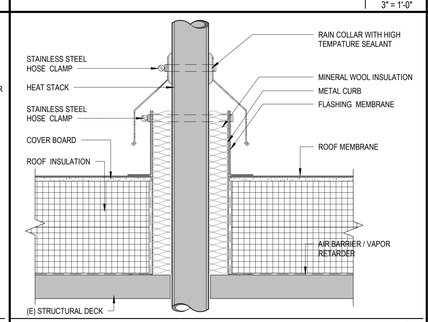

HEAT STACK FLASHING 18
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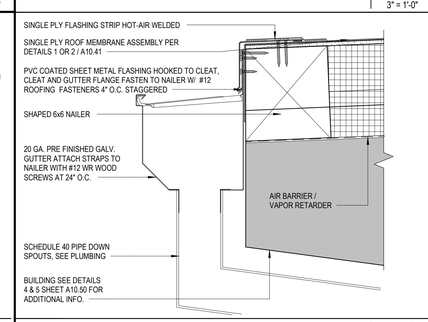
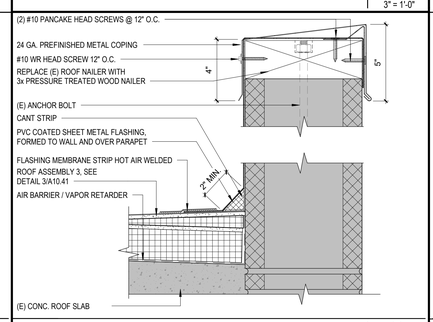


TYPICAL GUTTER 13
3" = 1'-0"



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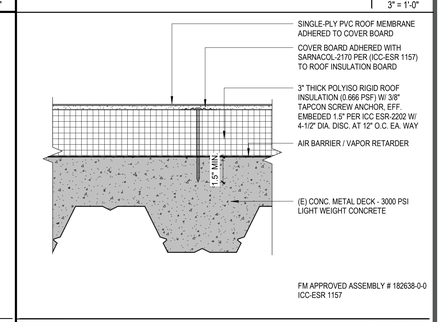

ROOF ASSEMBLY 3 (BLDG. 2A EXPANSION) 3
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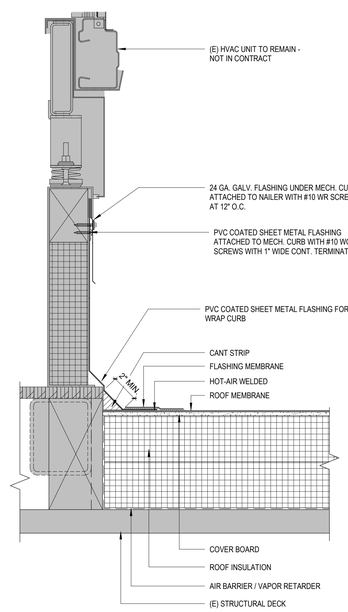

FLASHING AT AIR HANDLER WITH CURBS 21
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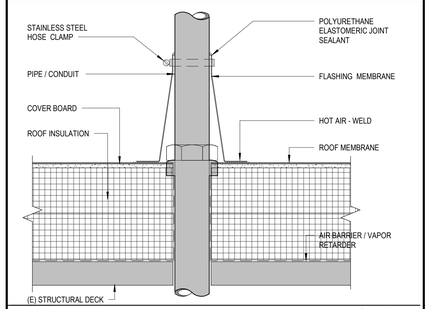

CONE FLASHING 17
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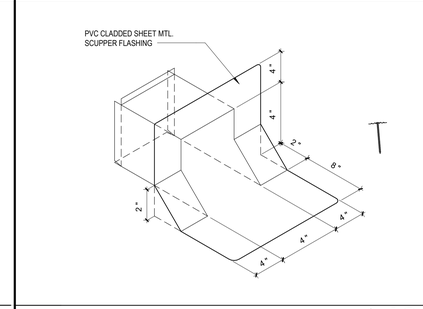

SCUPPER DETAIL 12
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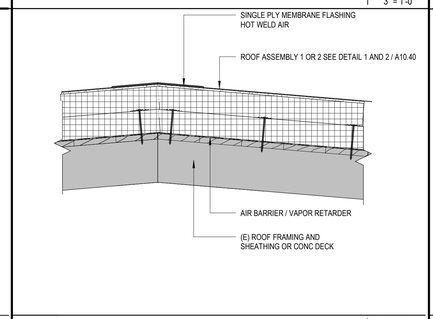
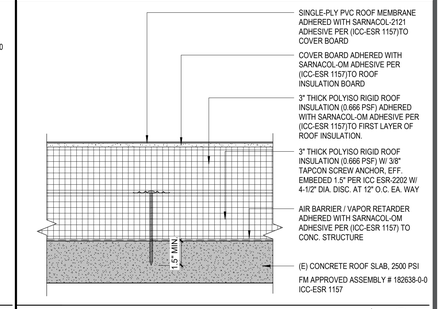


ROOF RIDGE 7
1 1/2" = 1'-0"



ROOF ASSEMBLY 2 (BLDG 2B AND 9A) 2
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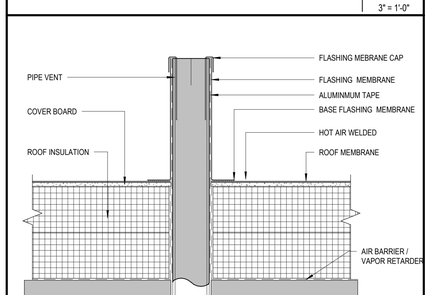

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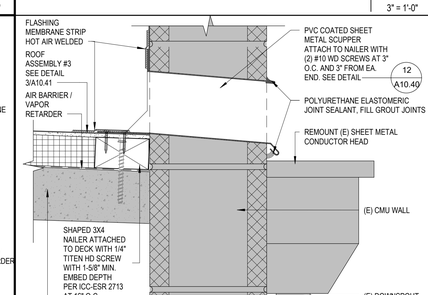
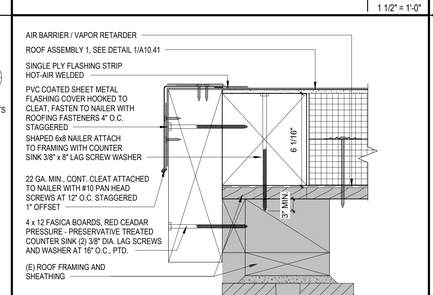


SCUPPER DETAIL 11
3" = 1'-0"



EDGE FLASHING - WOOD RIDGE 6
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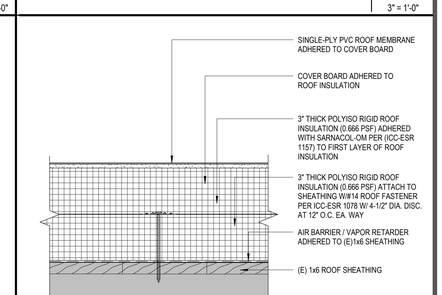

ROOF ASSEMBLY 1 (BLDGS 1A,1B,1C,2A,2B,5B,7B,13,14 AND 15) 1
3" = 1'-0"

BIM 360://3566002000/ Arvin HS ESSER III/3566002000-A-KHSD Arvin HS Roof Replacement.rvt
10/23/2023 1:40:59 PM

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IDENTIFICATION STAMP
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APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects
3566-002-103
3546 CONCOURS STREET
ONTARIO, CA 91764
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LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
05/30/2025
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
ROOF DETAILS

DSA SUBMITTAL

FILE NO.: **15-H3** A NO.: **03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:

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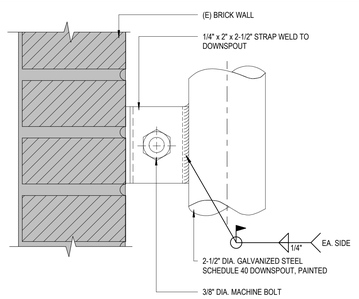
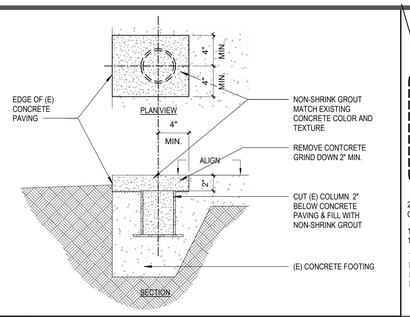
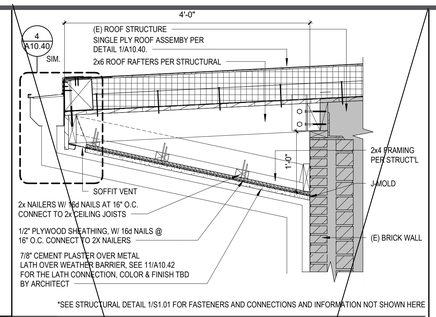


ELEVATION OF DOWNSPOUT AT BRICK WALL — 25
6" = 1'-0"

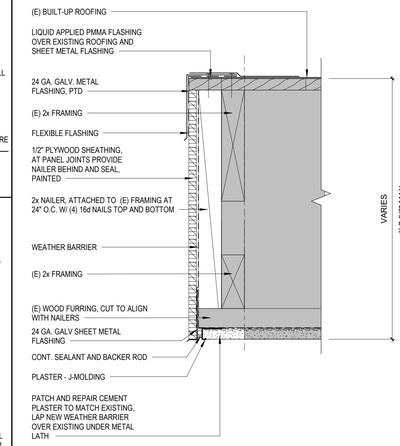


CUT COLUMN DETAIL — 20
1 1/2" = 1'-0"

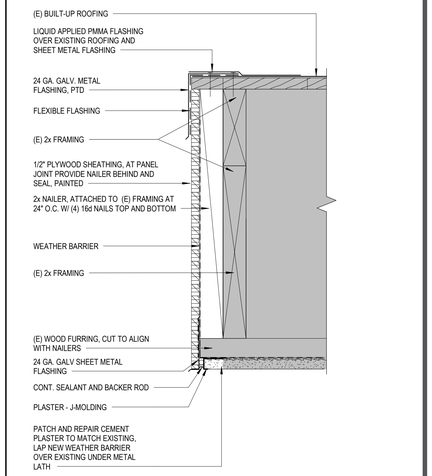


*SEE STRUCTURAL DETAIL 1/S1.01 FOR FASTENERS AND CONNECTIONS AND INFORMATION NOT SHOWN HERE

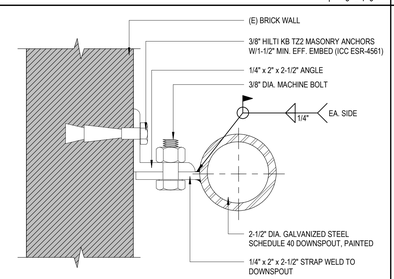
BLDG 5B - 7B - EAVE DETAIL — 15
1" = 1'-0"



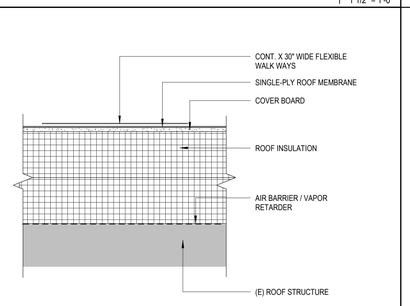
BLDG 2B - CANOPY FILLER PANEL — 9
3" = 1'-0"



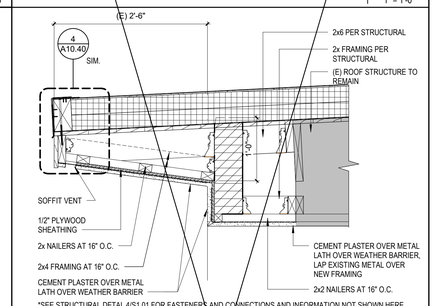
CANOPY CORRIDOR EDGE — 4
3" = 1'-0"



PLAN SECTION OF DOWNSPOUT AT BRICK WALL — 24
6" = 1'-0"



TYPICAL ROOF WALKING PAD — 19
3" = 1'-0"

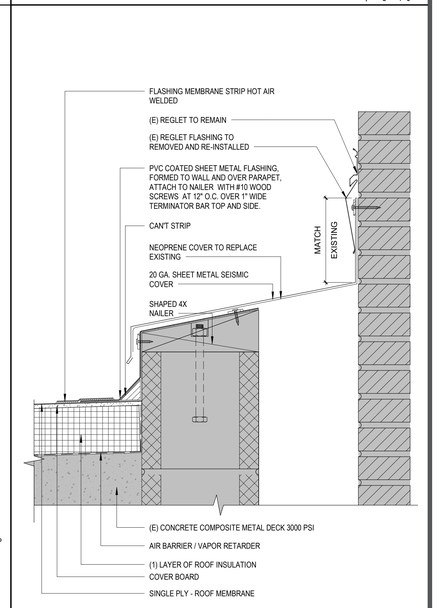


*SEE STRUCTURAL DETAL 4/S1.01 FOR FASTENERS AND CONNECTIONS AND INFORMATION NOT SHOWN HERE

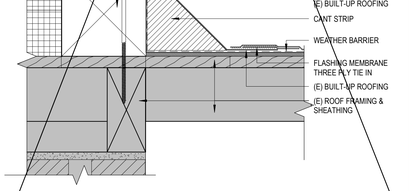
BLDG 5B - 7B - EAVE DETAIL — 14
1" = 1'-0"

BLDG 5B EDGE CANOPY — 13
3" = 1'-0"

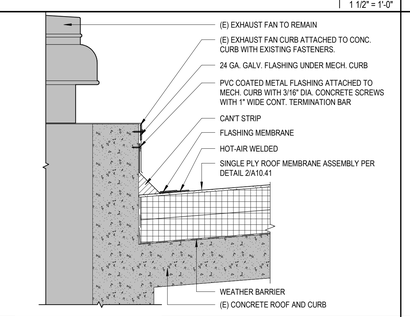
BLDG 1B/2A - CANOPY FILLER PANEL — 7
3" = 1'-0"



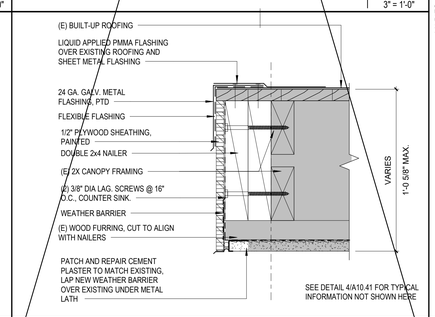
CANOPY CORRIDOR EDGE — 4
3" = 1'-0"



BLDG 7B - TRANSITION @ (N) ROOFING TO EXISTING ROOFING — 22
3" = 1'-0"



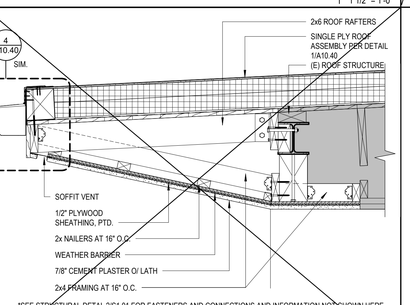
EXHAUST FAN CURB DETAIL — 17
1 1/2" = 1'-0"



BLDG 2B/7B - CANOPY FILLER PANEL — 12
3" = 1'-0"

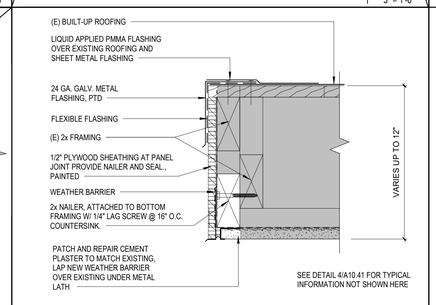
BLDG 2A - FLASHING DETAIL — 2
3" = 1'-0"

BLDG 7B - TRANSITION @ (N) ROOFING TO EXISTING ROOFING - FLAT ROOF — 21
3" = 1'-0"

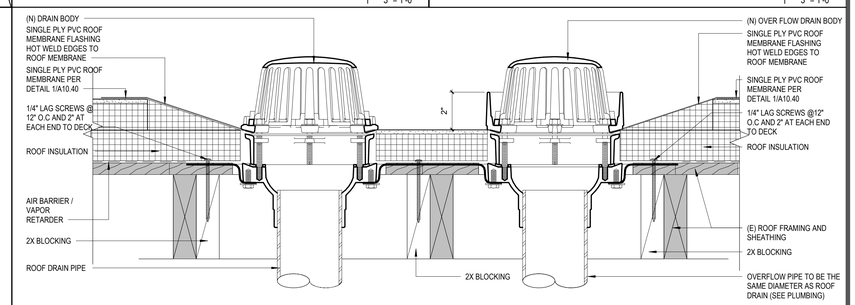


*SEE STRUCTURAL DETAL 2/S1.01 FOR FASTENERS AND CONNECTIONS AND INFORMATION NOT SHOWN HERE

BLDG 5B - 7B - EAVE DETAIL — 16
1" = 1'-0"



CANOPY EDGE END — 11
3" = 1'-0"



ROOF DRAIN — 1
3" = 1'-0"

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

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FILE NO.: **15-H3** A NO.: **03-123508**

DATE: **2023.07.25** CLIENT PROJ NO: **3566002103**

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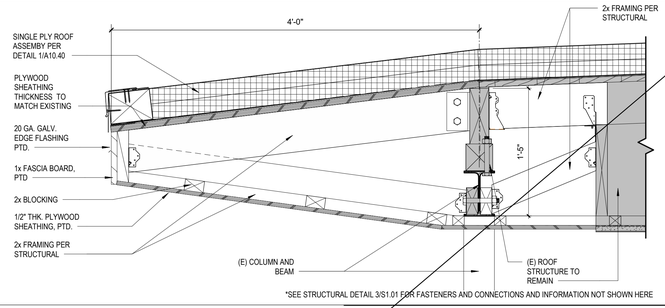
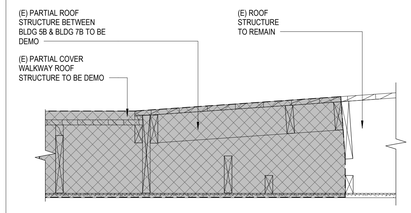
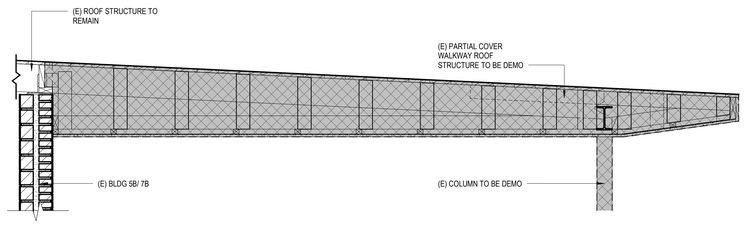


*SEE STRUCTURAL DETAIL 3/S1.01 FOR FASTENERS AND CONNECTIONS AND INFORMATION NOT SHOWN HERE

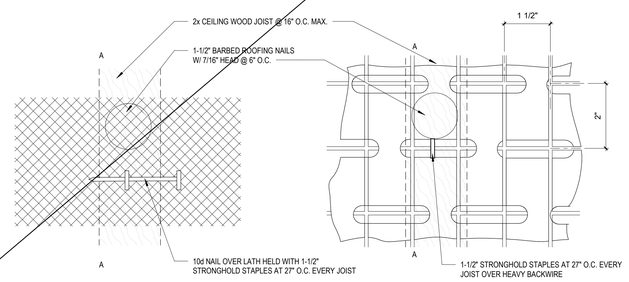
RE-FRAME AT WALKWAY ROOF EXTENSION ADJACENT TO BLDG 7B — **5** — 1 1/2" = 1'-0"



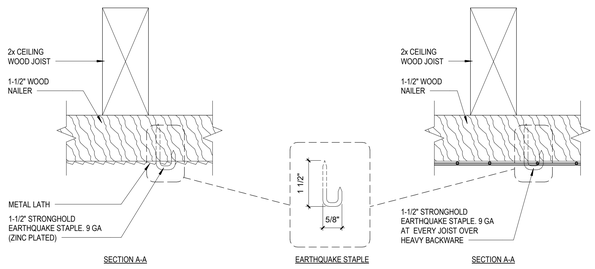
(E) BLDG 5B & BLDG 7B - COVER WALKWAY DEMO DETAIL — **4** — 1" = 1'-0"



BLDG 5B & 7B - COVER WALKWAY DEMO DETAIL — **3** — 3/4" = 1'-0"

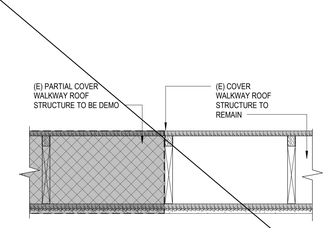


REFLECTED CEILING PLAN

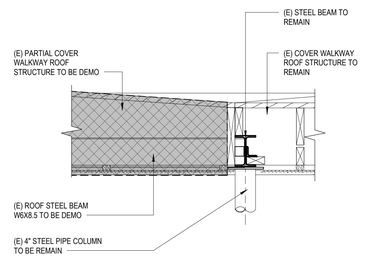


SECTION A-A — EARTHQUAKE STAPLE — SECTION A-A

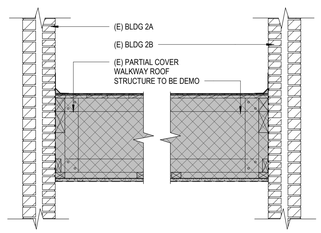
LATH CONNECTION TO WOOD JOISTS — **11** — 6" = 1'-0"



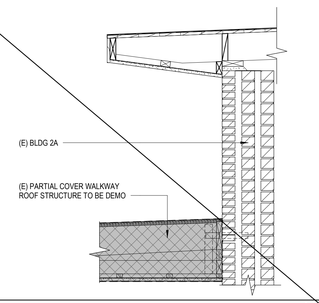
(E) COVER WALKWAY END CONDITION - DEMO DETAIL — **7** — 1" = 1'-0"



(E) BLDG 5B & 7B - COVER WALKWAY END - DEMO DETAIL — **6** — 1" = 1'-0"



(E) BLDG 2A & BLDG 2B - COVER WALKWAY DEMO DETAIL — **2** — 3/4" = 1'-0"



(E) BLDG 2A - COVER WALKWAY DEMO DETAIL — **1** — 3/4" = 1'-0"

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SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — Est. 1893

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LICENSED ARCHITECT — VIRGINIA ELAINE MARQUARDT — No. C-33423 — 09/30/2025 — STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
ROOF DETAILS

DSA SUBMITTAL

FILE NO.: **15-H3** — A NO.: **03-123508**

DATE: **08/28/23** — CLIENT PROJ NO: **3566002103**

SHEET:

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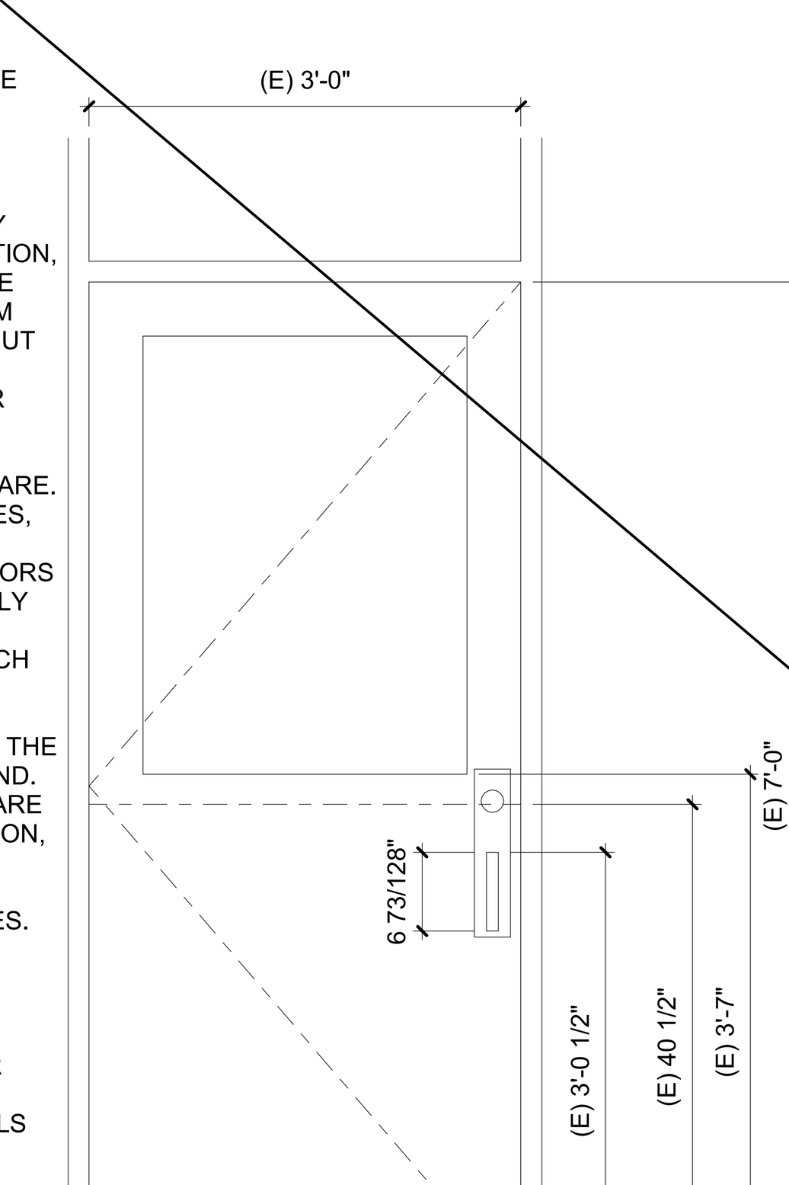
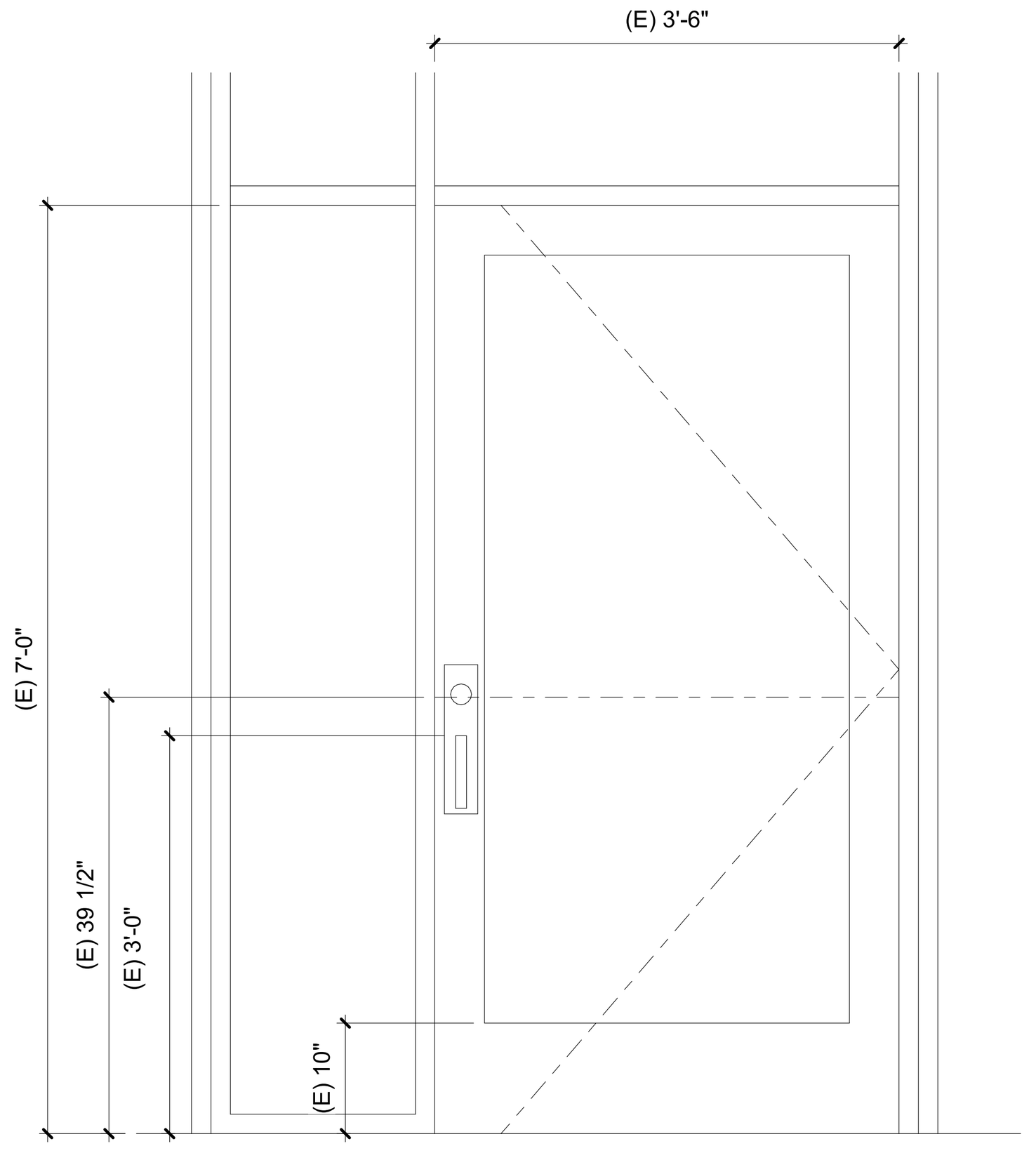
NOTES:

1. DOOR AND GATE OPENING FORCE. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS:
   a. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.
   b. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.
   c. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
   d. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.

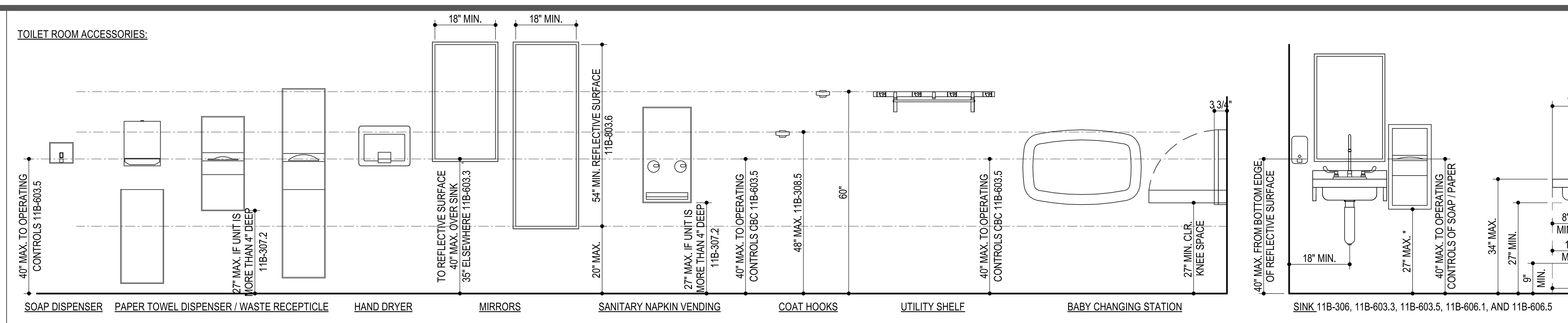
   THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION. CBC 11B-404.2.9
2. EXIT DOORS AND GATES SHALL COMPLY WITH THE REQUIREMENT OF CBC SECTION 1010.
3. DOOR OPERATIONS. EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. CBC 1010.1.9
4. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH SECTION 11B-309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN TO FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. CBC 11B-404.2.7
5. VISION LIGHTS. DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOORS OR GATES, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR. CBC 11B-404.2.11

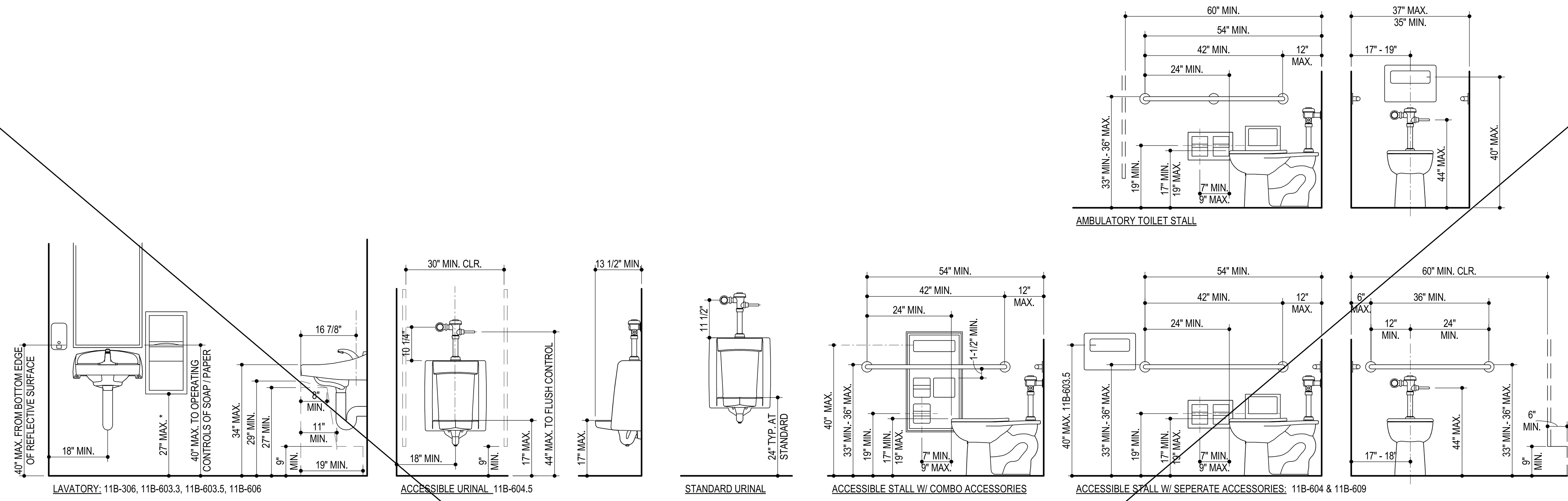




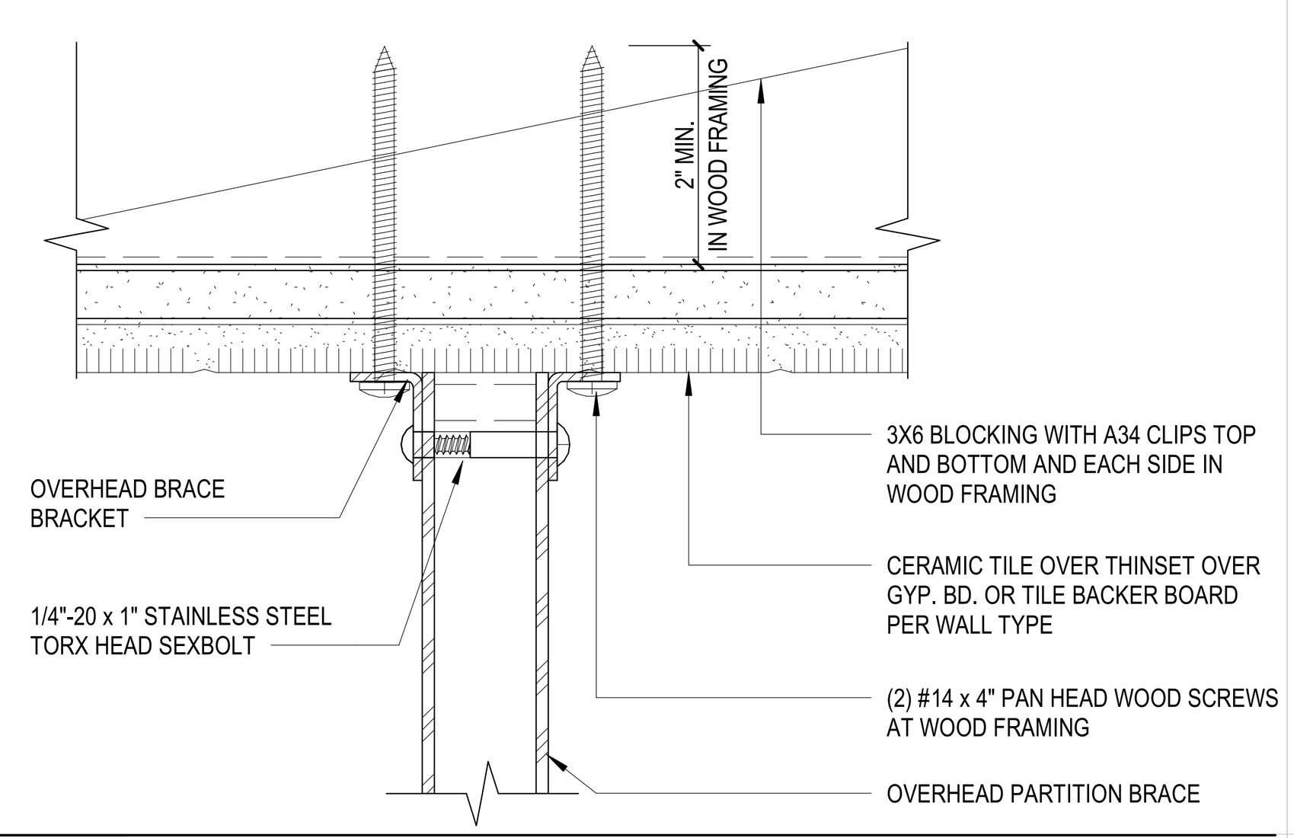
EXISTING DOORS@ BUILDING 9A — 23
3/4" = 1'-0"

TOILET ROOM ACCESSORIES:



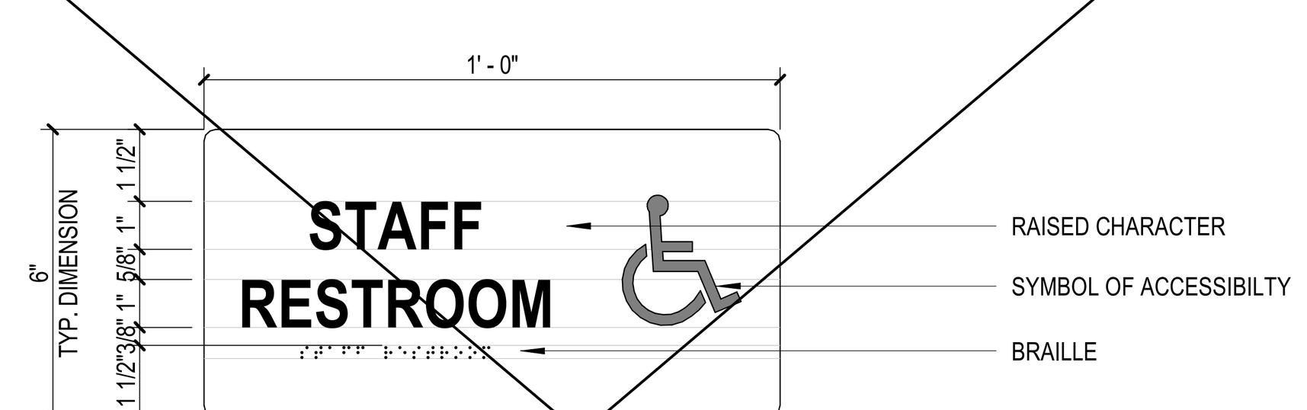


TYPICAL ADULT TOILET MOUNTING HEIGHTS — 9
1/2" = 1'-0"



TOILET PARTITION OVERHEAD BRACE - WOOD / METAL STUD — 18
6" = 1'-0"

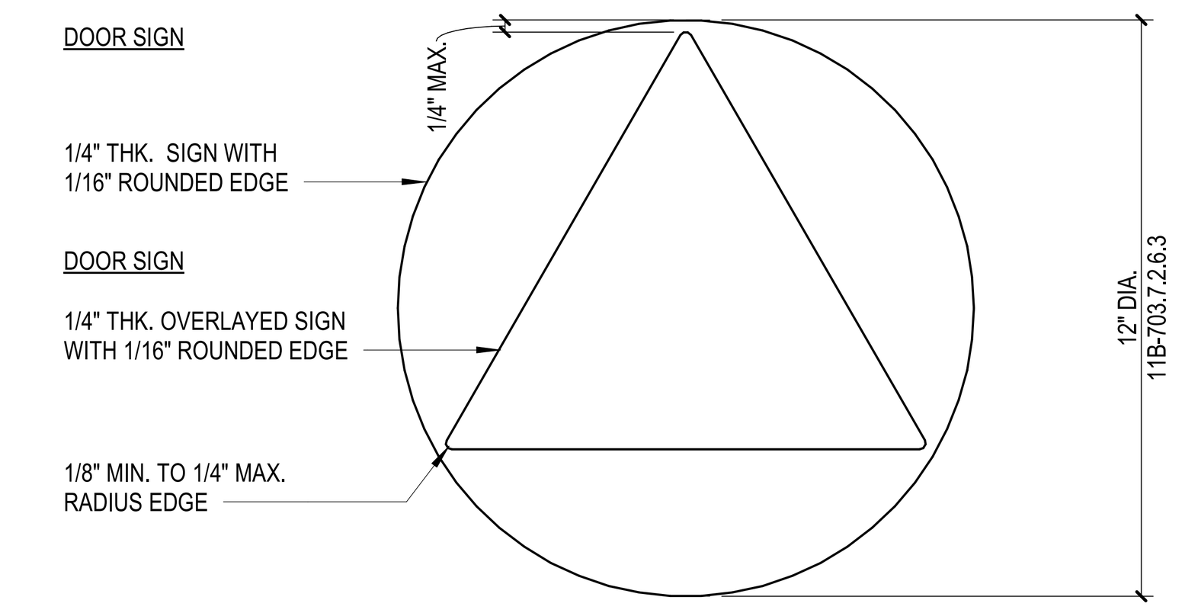
WALL SIGN



WALL SIGN:
1. SIGN SHALL BE MOUNTED TO THE LATCH SIDE OF DOOR AND SHALL COMPLY WITH 11B-703.4.
2. RASIED CHARACTERS SHALL COMPLY WITH CBC11B-703.2.
3. BRAILLE SHALL COMPLY WITH CBC 11B-703.3

SYMBOLS OF ACCESSIBILITY CBC 11B-703.7
1. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACK-GROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C.

DOOR SIGN



TOILET AND BATHING GEOMETRIC SYMBOL: CBC 11B-703.7.2.6
2. A COMBINED CIRCLE AND TRIANGLE SYMBOL SHALL BE LOCATED AT ENTRANCES TO UNISEX (*ALL GENDER*) TOILET AND BATHING FACILITIES. THE COMBINED CIRCLE AND TRIANGLE SYMBOL SHALL CONSIST OF A CIRCLE SYMBOL 1/4 " THICK AND 12" IN DIAMETER WITH A 1/4" THICK EQUILATERAL TRIANGLE SYMBOL SUPERIMPOSED ON AND GEOMETRICALLY INSCRIBED WITHIN THE 12" DIAMETER OF THE CIRCLE SYMBOL. THE VERTICES OF THE TRIANGLE SYMBOL SHALL BE LOCATED 1/4" MAX. FROM THE EDGE OF THE CIRCLE SYMBOL WITH A VERTEX POINTING UPWARD. THE COLOR OF THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACK-GROUND OR DARK ON A LIGHT BACKGROUND. THE COLOR OF THE CIRCLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE COMBINED CIRCLE AND TRIANGLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. CBC 11B-703.7.2.6.3
3. EDGES SHALL BE EASED OR ROUNDED AT 1/16 INCH MIN., OR CHAMFERED AT 1/8 INCH MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN. AND 1/4" MAX. CBC 11B-703.7.2.6.4.

GENDER NEUTRAL RESTROOM SIGNAGE & DOOR SYMBOL — 8
3" = 1'-0"

VISUAL CHARACTER: CBC 11B-703.5 AND TABLE 703.5.5
1. FINISH: CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
2. CASE: CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.
3. STYLE: CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OF OTHER UNUSUAL FORMS.
4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 % MIN. AND 110" MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I".
5. HEIGHT: MIN. CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".
6. MOUNTING : HEIGHT FROM FINISH FLOOR OR GROUND. VISUAL CHARACTERS SHALL BE 40" MIN. ABOVE THE FINISH FLOOR OR GROUND.
7. STROKE: THE STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10% MIN. AND 20% PERCENT MAX OF HEIGHT OF THE CHARACTER.
8. SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MIN. AND 35% MAX. OF CHARACTER HEIGHT.
9. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. AND 170% MAX. OF THE CHARACTER HEIGHT.
10. FORMAT: TEXT SHALL BE IN A HORIZONTAL FORMAT

TABLE 11B-703.5.5

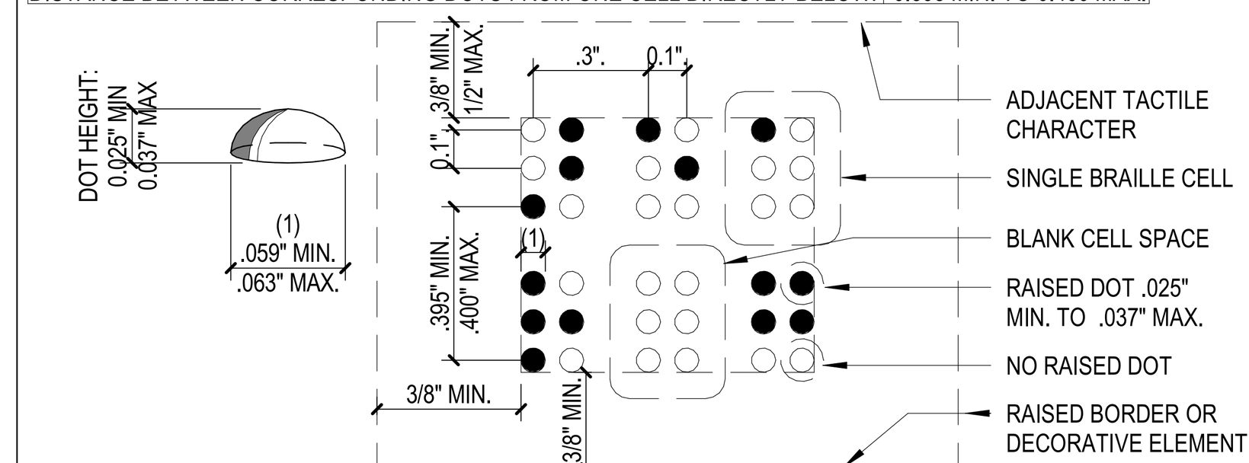
HEIGHT TO FINISH FLOOR OR GROUND FROM BASE LINE OR CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40" TO LESS THAN OR EQUAL TO 70"	LESS THAN 72"	5/8 "
	72" AND GREATER	5/8" + 1/8" PER FOOT OF VIEWING DIST. ABOVE 72"
GREATER THAN 70" TO LESS THAN OR EQUAL TO 120"	LESS THAN 180"	2"
	180" AND GREATER	2" PLUS 1/8" PER FOOT OF VIEWING DISTANCE ABOVE 180"
GREATER THAN 120"	LESS THAN 21 FEET	3"
	21 FEET AND GREATER	3" PLUS 1/8" PER FOOT OF VIEWING DISTANCE ABOVE 180"

VISUAL CHARACTERS (CBC 11B-703.5) — 5
6" = 1'-0"

BRAILLE CBC 11B-703.3
1. BRAILLE SHALL BE CONTRACTED (GRADE 2) CBC 11B-703.3
2. BRAILLE DOTS SHALL BE DOMED OR ROUNDED SHAPE AND COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. CBC 11B-703.3.1
3. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTILINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MIN. AND 1/2" MAX. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS. CBC 11B-703.3.2

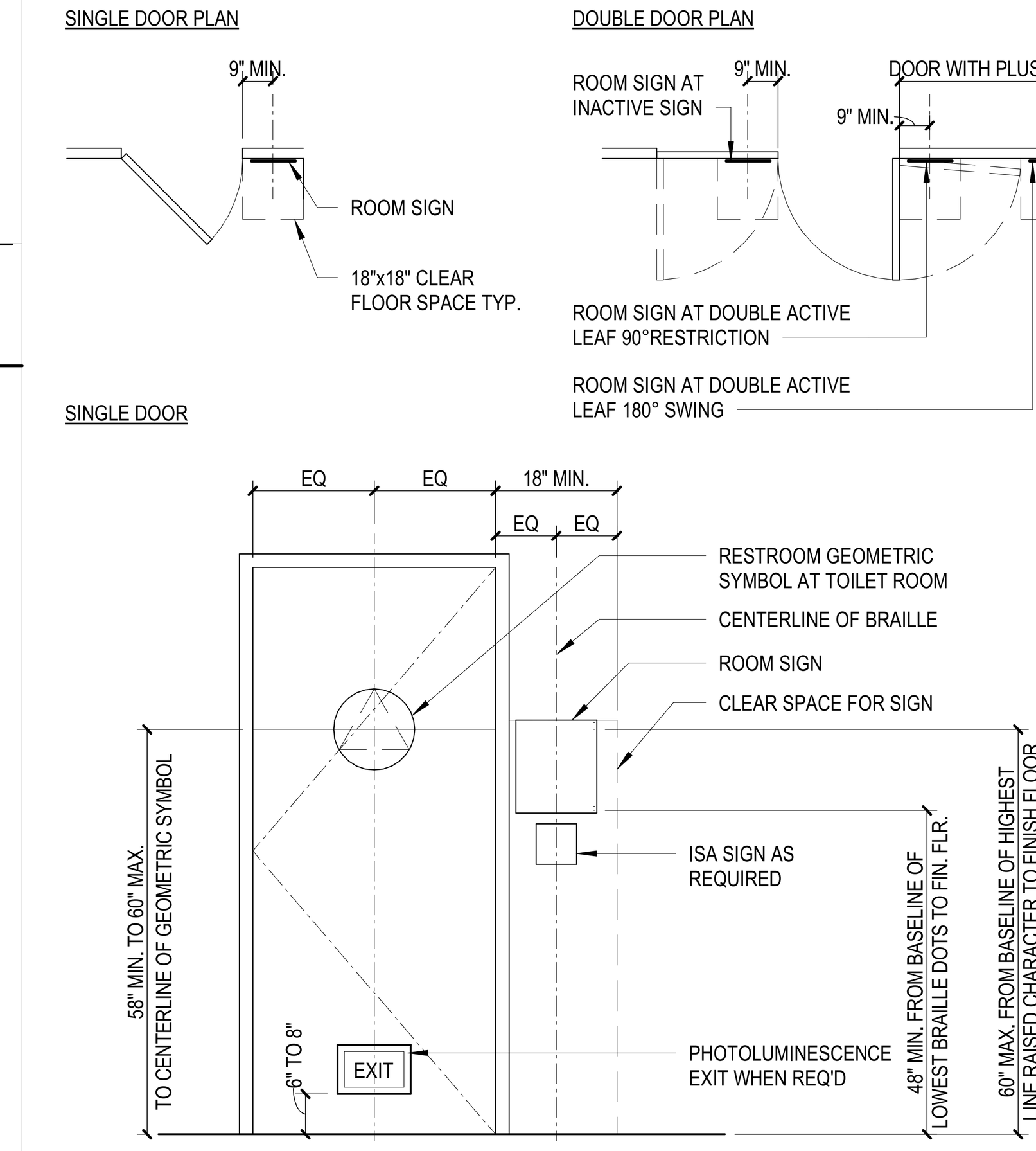
TABLE 11B-703.3.1

DOT BASE DIAMETER:	0.059" MIN. TO .063 MAX.
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL:	0.100"
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELL:	0.300"
DOT HEIGHT:	0.025 MIN TO 0.037 MAX.
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW:	0.395 MIN. TO 0.400 MAX.

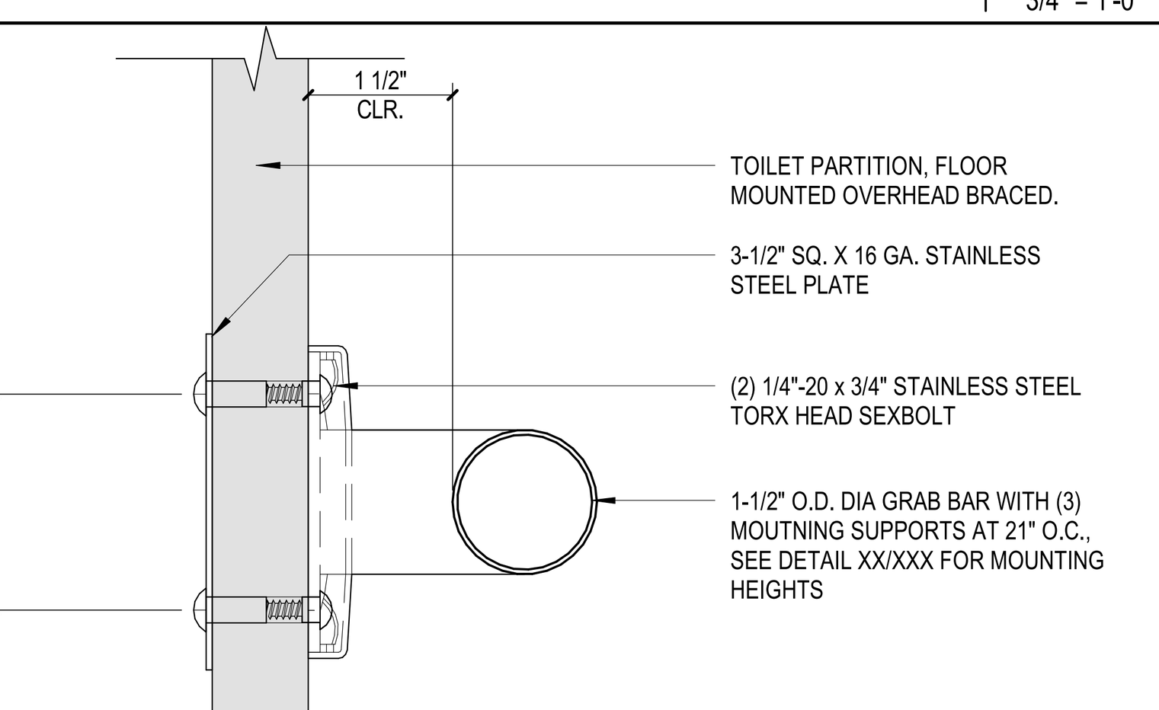


BRAILLE (CBC 11B-703.3) — 4
12" = 1'-0"

INSTALLATION HEIGHT AND LOCATION CBC 11B-703.4 .
1. HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.
2. LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PROVIDED, SIGN IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE. WHERE PROVIDED, SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.
   EXCEPTION: IN ALTERATIONS WHERE SIGN INSTALLATION LOCATIONS IDENTIFIED IN SECTION 11B-703.4.2 ARE OBSTRUCTED OR OTHERWISE UNAVAILABLE FOR SIGN INSTALLATION, SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

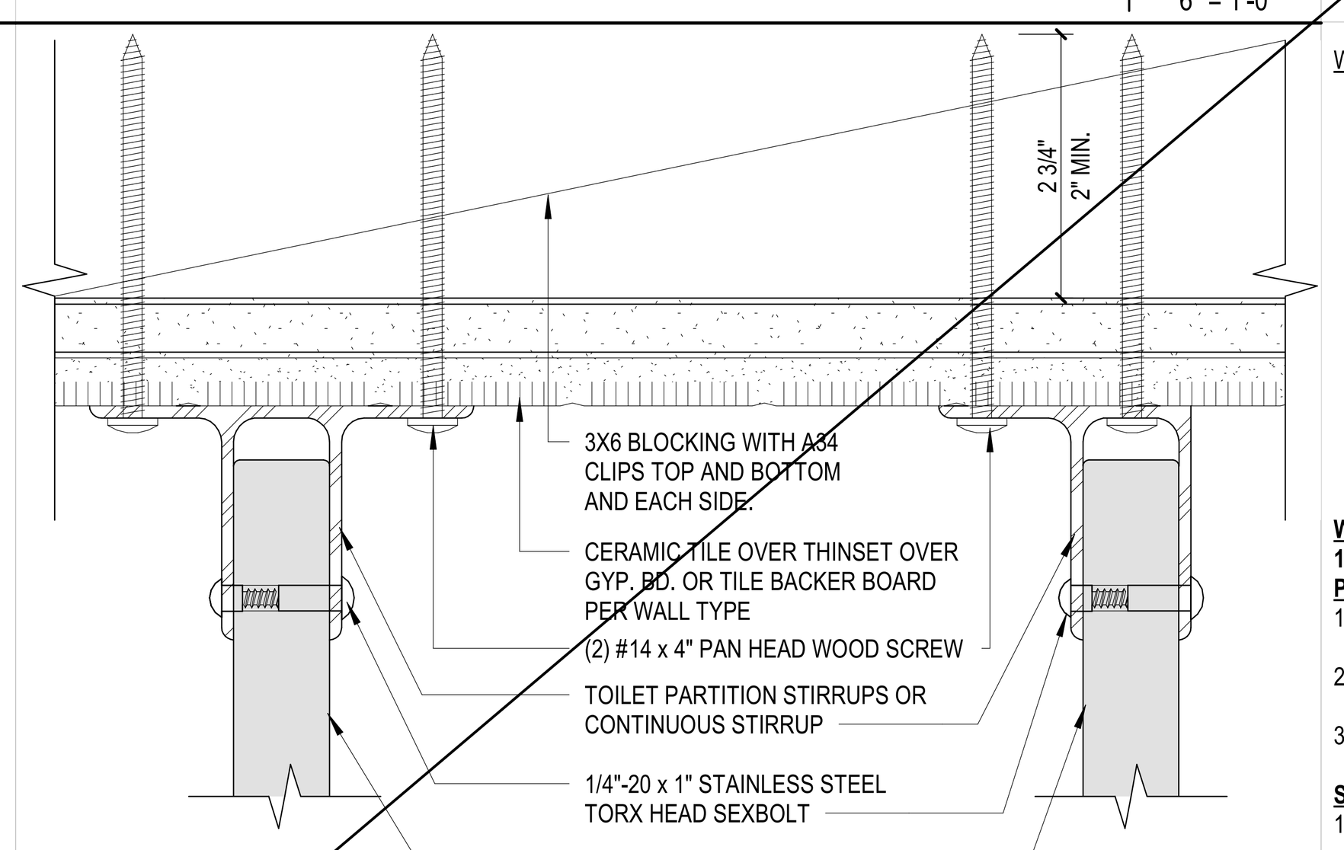


DOOR SIGNAGE LOCATIONS (CBC 11B-703.4) — 2
1/2" = 1'-0"



NOTE:
1. GRAB BAR AT TOILET PARITIONS TO COMPLY WITH DSA-IR 16-12
2. STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE. CBC 11B-609.8 & CBC 1607A.9.2.

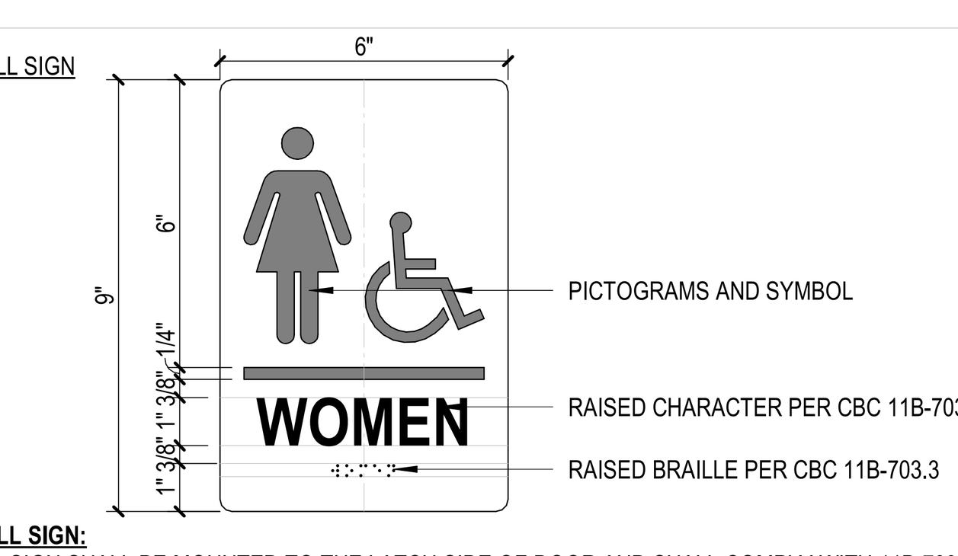
GRAB BAR - TOILET PARTITION — 22
6" = 1'-0"



NOTE:
1. STIRRUPS ARE MOUNTED AT (3) LOCATIONS: 17", 41", AND 65" A.F.F.
2. CONTINOUS STIRRUP ARE MOUNTED AT (6) LOCATIONS AT 17" TO 65" A.F.F. AT 9.6" O.C.

TOILET PARTITION STIRRUPS - WOOD STUD — 17
6" = 1'-0"

WALL SIGN

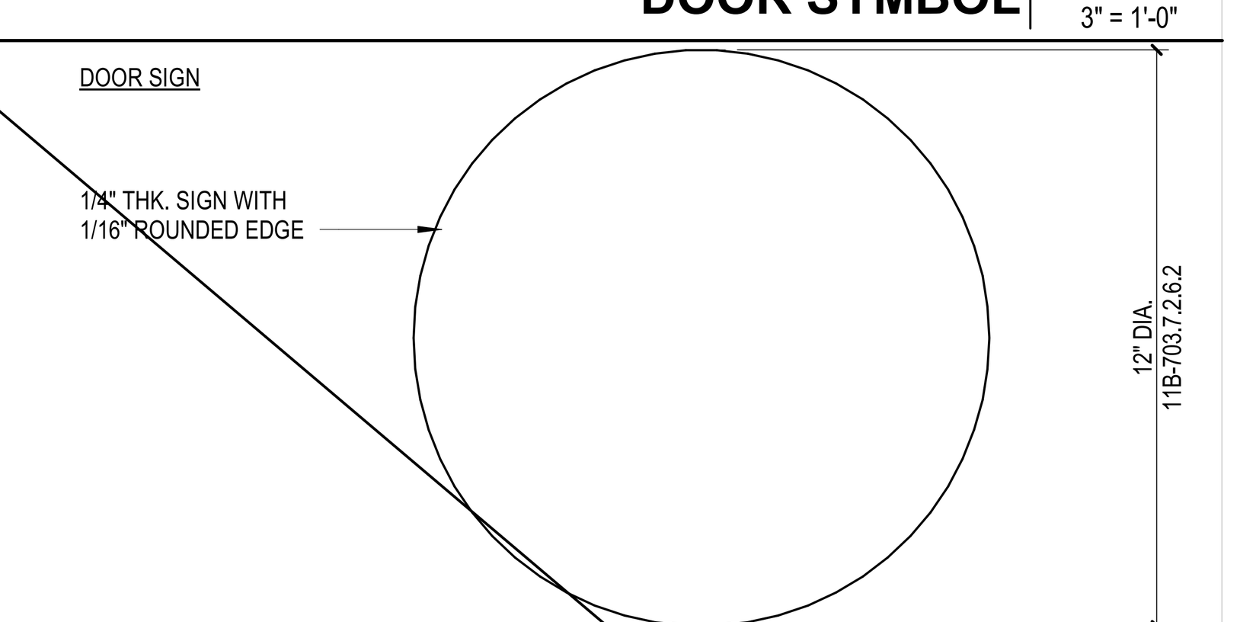


WALL SIGN:
1. SIGN SHALL BE MOUNTED TO THE LATCH SIDE OF DOOR AND SHALL COMPLY WITH 11B-703.4.

PICTOGRAMS: CBC 11B-703.6
1. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MIN. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
2. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.
3. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS.

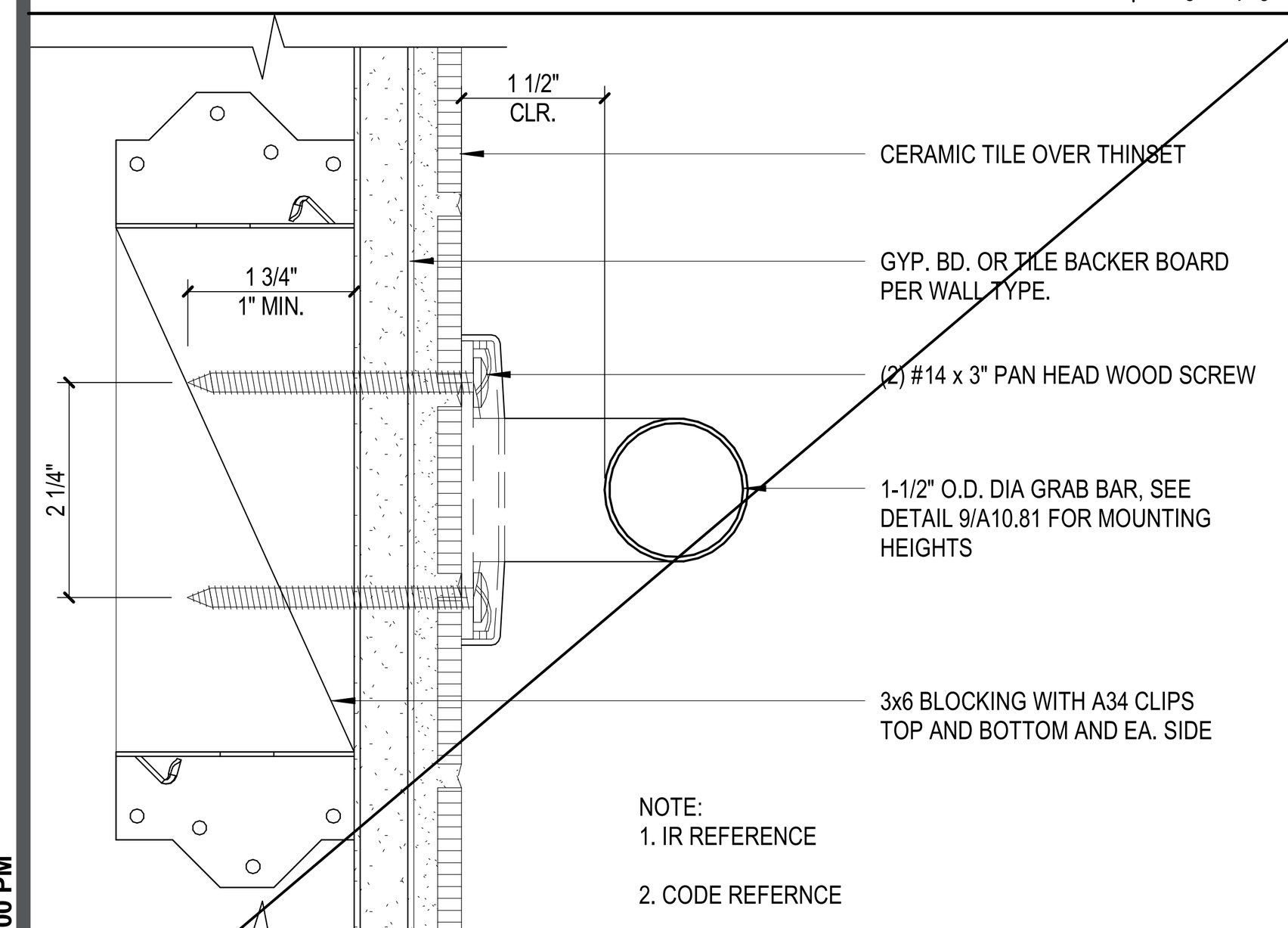
SYMBOLS OF ACCESSIBILITY CBC 11B-703.7
1. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACK-GROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C.

DOOR SIGN



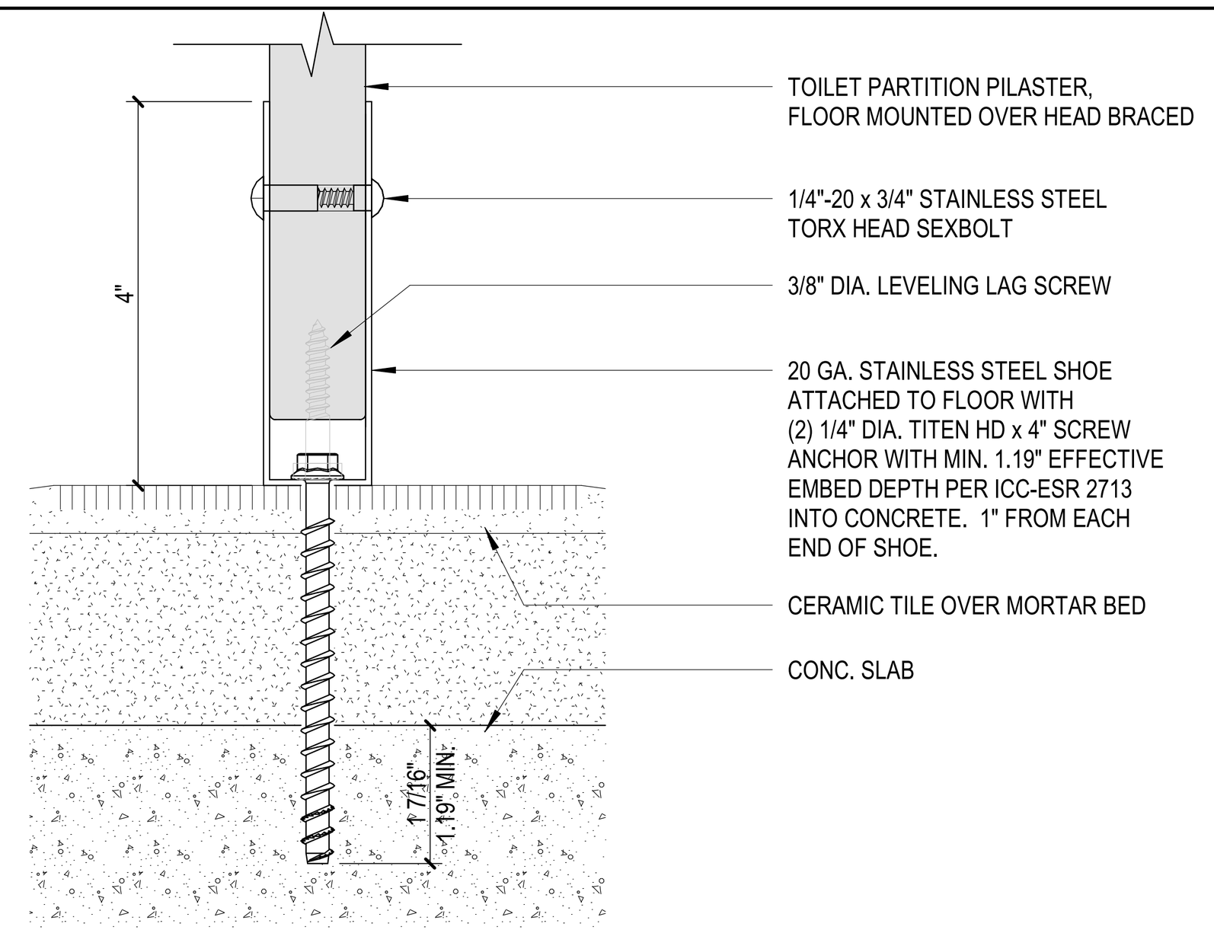
TOILET AND BATHING GEOMETRIC SYMBOL: CBC 11B-703.7.2.6
1. GEOMETRIC SYMBOLS AT ENTRANCES TO TOILET AND BATHING ROOMS SHALL BE MOUNTED AT 58" MIN. AND 60" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE CENTERLINE OF THE SYMBOL. WHERE A DOOR IS PROVIDED THE SYMBOL SHALL BE MOUNTED WITHIN 1" OF THE VERTICAL CENTERLINE OF THE DOOR. CBC 11B-703.7.2.6
2. A CIRCLE SYMBOL SHALL BE LOCATED AT ENTRANCES TO WOMEN'S TOILET AND BATHING FACILITIES. THE CIRCLE SYMBOL SHALL BE 1/4" THICK AND 12" IN DIAMETER. THE COLOR OF THE CIRCLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE CIRCLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. CBC 11B-703.7.2.6.2
3. EDGES SHALL BE EASED OR ROUNDED AT 1/16 INCH MIN., OR CHAMFERED AT 1/8 INCH MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN. AND 1/4" MAX. 11B-703.7.2.6.4.
4. SIGNS SHALL BE MOUNTED WITH (4) #8 SCREW FASTENER, PAINTED TO MATCH SIGN.

GIRLS / WOMENS RESTROOM SIGNAGE & DOOR SYMBOL — 7
3" = 1'-0"



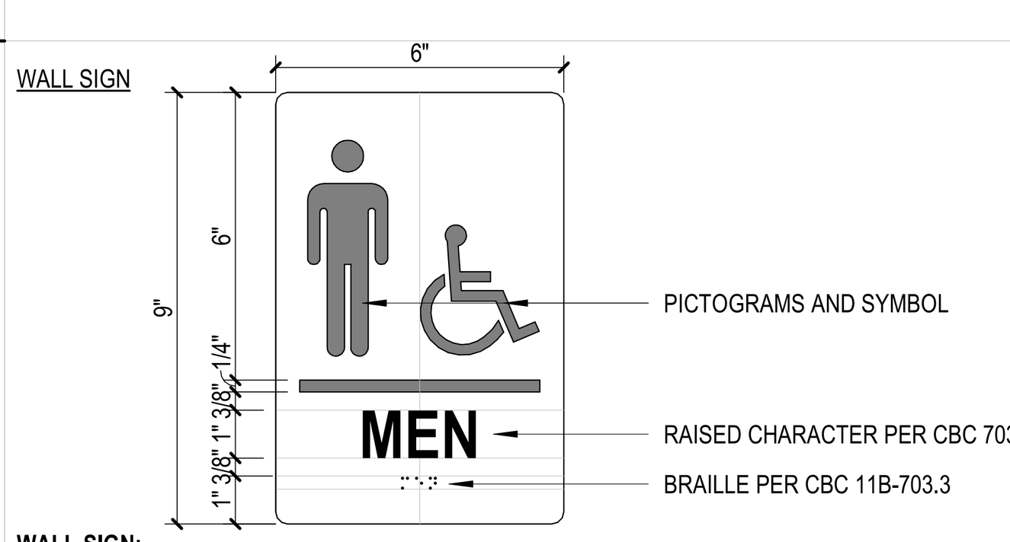
NOTE:
1. IR REFERENCE
2. CODE REFERNCE

GRAB BAR - WOOD FRAMING — 21
6" = 1'-0"



TOILET PARTITION - BASE - TILE OVER MORTAR BASE — 16
6" = 1'-0"

WALL SIGN

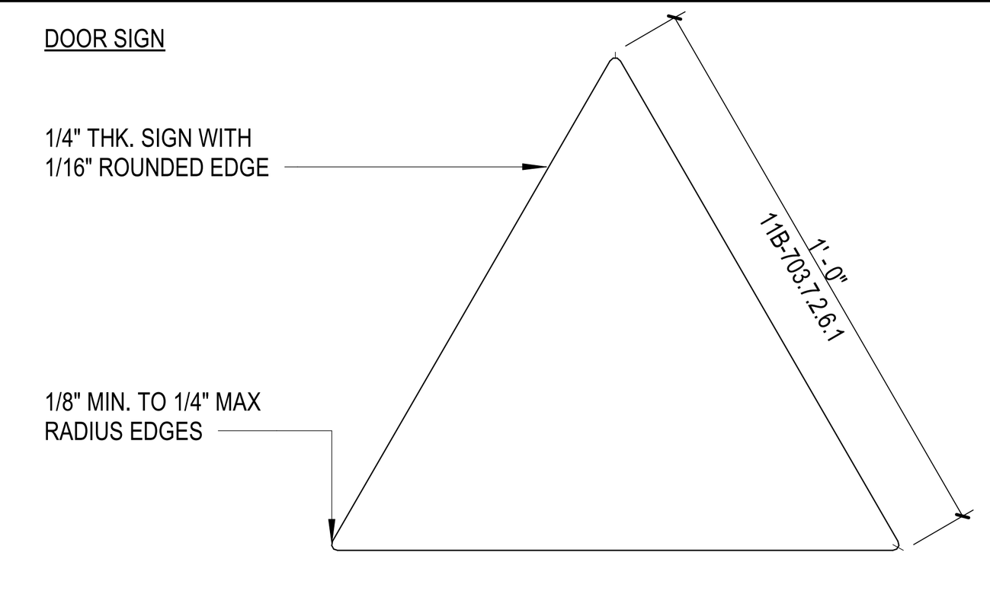


WALL SIGN:
1. SIGN SHALL BE MOUNTED TO THE LATCH SIDE OF DOOR AND SHALL COMPLY WITH 11B-703.4.

PICTOGRAMS: CBC 11B-703.6
1. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MIN. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
2. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.
3. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS.

SYMBOLS OF ACCESSIBILITY CBC 11B-703.7
1. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACK-GROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C.

DOOR SIGN

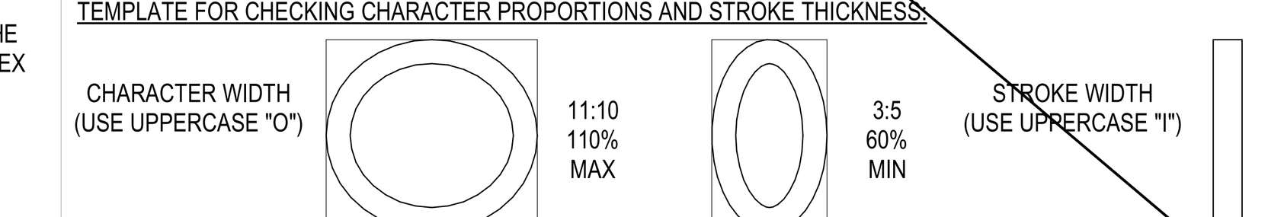


TOILET AND BATHING GEOMETRIC SYMBOL: CBC 11B-703.7.2.6
1. GEOMETRIC SYMBOLS AT ENTRANCES TO TOILET AND BATHING ROOMS SHALL BE MOUNTED AT 58" MIN. AND 60" MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE CENTERLINE OF THE SYMBOL. WHERE A DOOR IS PROVIDED THE SYMBOL SHALL BE MOUNTED WITHIN 1" OF THE VERTICAL CENTERLINE OF THE DOOR. CBC 11B-703.7.2.6
2. A TRIANGLE SYMBOL SHALL BE LOCATED AT ENTRANCES TO MEN'S TOILET AND BATHING FACILITIES. THE TRIANGLE SYMBOL SHALL BE AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. THE COLOR OF THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE ON WHICH THE TRIANGLE SYMBOL IS MOUNTED, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND CBC 11B-703.7.2.6.1
3. EDGES SHALL BE EASED OR ROUNDED AT 1/16 INCH MIN., OR CHAMFERED AT 1/8 INCH MAX. VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN. AND 1/4" MAX. CBC 11B-703.7.2.6.4.

BOYS / MENS RESTROOM SIGNAGE & DOOR SYMBOL — 6
3" = 1'-0"

RAISED CHARACTER: CBC 11B-703.2
1. DEPTH: RAISED CHARACTERS SHALL BE 1/32" MIN. ABOVE THEIR BACKGROUND.
2. CASE: CHARACTERS SHALL BE UPPER CASE.
3. STYLE: CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OF OTHER UNUSUAL FORMS.
4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 % MIN. AND 110" MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I".
5. HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
6. STROKE: THE STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAX. OF THE HEIGHT OF THE CHARACTER.
7. SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. AT THE BASE OF THE CROSS SECTIONS, AND 1/8" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED, BORDERS AND DECORATIVE ELEMENTS 3/8" MIN.
8. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. AND 170% MAX. OF THE RAISED CHARACTER HEIGHT.
9. FORMAT: TEXT SHALL BE IN A HORIZONTAL FORMAT

TEMPLATE FOR CHECKING CHARACTER PROPORTIONS AND STROKE THICKNESS:



RAISED CHARACTERS (CBC 11B-703.2) — 1
6" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — Est. 1893

HMC Architects
3566-002-103
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

NOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
SIGNAGE AND TOILET ROOM DETAILS

DSA SUBMITTAL

FILE NO.: 15-H3 | A NO.: 03-123508
DATE: 2023.09.18 | CLIENT PROJ NO: 3566002103

SHEET:
A10.81

BIM 360://3566002000 Arvin HS ESSER III/3566002000-A-KHSD Arvin HS Roof Replacement.rvt
9/17/2023 8:15:00 PM

STRUCTURAL GENERAL NOTES

GENERAL NOTES:

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
2. COORDINATE STRUCTURAL DETAILS & DIMENSIONS WITH RELATED REQUIREMENTS ON OTHER DRAWINGS.
3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
4. SHEETS AND DETAILS NOTED AS "TYPICAL" OR "TYP." APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
5. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF CALIFORNIA BUILDING CODE, 2022 EDITION.
6. THE DEPTH, EXTENT, AND LOCATION OF ALL FLOOR DEPRESSIONS, ELEVATED AREAS, OR OTHER IRREGULARITIES SHALL BE COORDINATED WITH ARCHITECTURAL OR APPLICABLE DRAWINGS. THE STRUCTURAL DRAWINGS DO NOT NECESSARILY INDICATE ALL OF THESE ITEMS. INDICATE ALL OF THESE ITEMS.
7. STRUCTURAL PLANS INDICATE ONLY THE APPROXIMATE LOCATION OF MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT, AS WELL AS RELATED AUXILIARY FRAMING, ISOLATOR NECESSARY TO SUPPORT SUCH GEAR. THE FINAL POSITIONING OF THESE ITEMS IS DEPENDENT UPON THE EQUIPMENT SELECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK BETWEEN SUBCONTRACTORS AND CRAFTS IN THIS REGARD, AND PROVIDING NECESSARY DIMENSIONS IN A TIMELY MANNER TO ALL PARTIES AND DETAILERS INVOLVED.

EXISTING CONSTRUCTION / CONDITIONS:

A. SHORING: THE CONTRACTOR SHALL PROVIDE SHORING WHEREVER NECESSARY TO ALLOW INSTALLATION OF THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF ALL SHORING AND TEMPORARY WORK REQUIRED THROUGHOUT THE PROGRESS OF THE WORK.

B. EXISTING CONSTRUCTION: EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM LIMITED VISUAL OBSERVATIONS AND AS-BUILTS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT OF RECORD OF ALL EXCEPTIONS AND RECEIVE DIRECTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.

C. DEMOLITION: THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND WITH APPROPRIATE TOOLS IN ORDER TO NOT JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED DEMOLITION.

STRUCTURAL AND MISCELLANEOUS STEEL

1. DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
2. STEEL SURFACES TO BE WELDED, HIGH-STRENGTH BOLTED, ENCASED IN CONCRETE OR TO RECEIVE FIRE PROOFING SHALL BE BARE, UNPAINTED.
3. STEEL AND OTHER FERROUS METAL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
4. WELDING:
   A) WELDING ELECTRODES SHALL BE E70XX PER AWS.
   B) ALL WELDING PROCEDURE SPECIFICATIONS, WELDERS AND WELDING OPERATORS SHALL BE FULLY QUALIFIED PER AWS D1.1.
   C) LENGTH OF WELDS SHOWN ARE EFFECTIVE LENGTH AS SPECIFIED IN AISC SPECIFICATIONS. WHERE LENGTHS ARE NOT SHOWN, IT SHALL BE FULL LENGTH OF THE JOINT. ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS UNLESS OTHERWISE NOTED.
   D) MINIMUM SIZE OF FILLET WELDS WHEN NOT SPECIFIED ON THE WELD SYMBOL SHALL BE AS SHOWN ON TABLE J2.4 OF AISC SPECIFICATION 14TH EDITION WITH 1/4" WELD AS A MINIMUM.
   E) SEAL WELDS SHALL BE 3/16" UNLESS OTHERWISE NOTED.
   F) WELD PROCEDURE FOR ALL CONNECTIONS SHALL ENSURE THAT WELDING FILLER METAL HAVE A NOTCH TOUGHNESS OF NOT LESS THAN 20 FT- LBS AT 0° F AS MEASURED BY STANDARD CHARPY V-NOTCH (CVN) TEST, ASTM E 23 IN ACCORDANCE WITH APPLICABLE FILLER METAL SPECIFICATION REFERENCED IN AWS D1.1.
   G) ALL FRAMING MEMBERS FOR SHOP ASSEMBLIES SHALL BE CONNECTED BY EITHER FILLET OR FULL PENETRATION WELDS TO DEVELOP THE CAPACITY OF THE WEAKER MEMBERS.

ROUGH CARPENTRY:

1. ALL FRAMING LUMBER SHALL BE STRUCTURAL GRADE MARKED DOUGLAS FIR-LARCH IN ACCORDANCE WITH CBC 2303 AS FOLLOWS, UNLESS OTHERWISE INDICATED:
   BEAMS, POSTS, HEADERS.....NO.1
   JOIST AND RAFTERS.....NO.1
   STUDS.....NO.1
   ALL OTHER FRAMING.....CONSTRUCTION GRADE MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT AT TIME OF INSTALLATION.
2. STRUCTURAL PLYWOOD SHEATHING SHALL CONFORM TO PS1-19, STRUCTURAL 1, EXPOSURE 1.
3. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED WOOD OR TREATED WITH AN APPROVED PRESERVATIVE. MEMBERS SHALL BE STAMPED BY THE PRESERVATIVE ACCREDITATION AGENCY AND APPROVED BY THE LAUSD OEHS DEPT.
4. ALL NAILS SHALL BE COMMON NAILS. CONNECTIONS SHALL BE PER THE NAILING SCHEDULE IN CBC TABLE 2304.9.1 EXCEPT WHERE NOTED OR DETAILED OTHERWISE. MINIMUM EDGE DISTANCE OF NAIL TO LUMBER OR PLYWOOD EDGE IS 3/8". PREDRILL FOR NAILS PER NATIONAL DESIGN SPECIFICATIONS (NDS) SECTION 12.1.3 TO PREVENT SPLITS.
5. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCED ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY AND MACHINE NAILING SHALL BE DISCONTINUED.
6. METAL CONNECTORS INDICATED ON PLANS BY SIMPSON CO. OR APPROVED EQUAL SHALL BE OF THE TYPE INDICATED TO FIT THE LUMBER SIZES SPECIFIED ON THE DRAWINGS. EQUIVALENT CONNECTORS MAY BE SUBSTITUTED WITH APPROVAL FROM THE STRUCTURAL ENGINEER. ALL CONNECTORS SHALL HAVE ICC APPROVAL.
7. NO STRUCTURAL MEMBER SHALL BE CUT FOR PIPES, DUCTS, ETC. EXCEPT AS DETAILED ON THE STRUCTURAL DRAWINGS.
8. SOLID BLOCKING SHALL BE PLACED BETWEEN ALL JOISTS AND RAFTERS AT ALL POINTS OF SUPPORT.
9. BOLT HOLES SHALL BE DRILLED 1/32" GREATER THAN BOLT DIAMETER. BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER NUT AND HEAD. BOLTS SHALL BE RE-TIGHTENED PRIOR TO COVERING STRUCTURE.

MATERIAL REQUIREMENTS:

MISC. & STRUCTURAL STEEL:	ASTM A36
BOLTS:	ASTM A307

GALVANIZED ALL STEEL & WELDING EXPOSED TO WEATHERING
SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

DESIGN CRITERIA:

1. DESIGN LIVE LOAD:
   ROOF = 20 PSF (REDUCIBLE PER CODE)
2. LATERAL LOADS
   a. WIND:
      BASIC WIND SPEED = 101 MPH
      EXPOSURE TYPE: C
      RISK CATEGORY III
   b. SEISMIC:
      RISK CATEGORY III

      SITE CLASS: D S_{DS} = 0.803g
      S_S = 1.166g S_{D1} = 0.524g
      S_1 = 0.418g SEISMIC DESIGN CATEGORY "D"
      SEISMIC IMPORTANCE FACTOR: Ie = 1.25
      BASE SEISMIC FORCE-RESISTING SYSTEMS: (E) BRICK SHEAR WALLS
      DESIGN BASE SHEAR: N/A
3. GEOTECHNICAL CRITERIA:
   a. DESIGN OF FOUNDATION IS BASED ON THE CRITERIA PER GEOTECHNICAL REPORT PREPARED BY: SOILS ENGINEERING, INC.
      REPORT # : 22-18578
      DATE: 10/14/2022
   b. ALLOWABLE SOIL BEARING PRESSURE:
      DEAD + LIVE: 2,200 PSF
      DEAD + (WIND OR SEISMIC): 2,933 PSF
   c. COEFFICIENT OF FRICTION: 0.44
   d. PASSIVE PRESSURE: 340 PCF
   e. ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% RELATIVE DENSITY.

NOTE: STRUCTURAL DRAWING AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS OR PROCEDURES FOR CONSTRUCTION SAFETY.

NAILING SCHEDULE

CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	(3) 8d	TOENAIL
2. BRIDGING TO JOIST	(2) 8d	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	(2) 8d	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	(3) 8d	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d AT 16" O.C. 3" 16d AT 16" O.C.	TYPICAL FACE NAIL BRACED WALL PANELS
7. TOP PLATE TO STUD	(2) 16d	END NAIL
8. STUD TO SOLE PLATE	(4) 8d (2) 20d @ 3x SILL	TOENAIL END NAIL
9. DOUBLE STUDS	16d AT 24" O.C. U.O.N.	FACE NAIL
10. DOUBLE TOP PLATES DOUBLE TOP PLATES	16d AT 16" O.C. (8) 16d U.O.N.	TYPICAL FACE NAIL LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3) 8d	TOENAIL
12. RIM JOIST TO TOP PLATE	8d AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	(2) 16d	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	(3) 8d	TOENAIL
16. CONTINUOUS HEADER TO STUD	(4) 8d	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS	(3) 16d	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS	(3) 16d	FACE NAIL
19. RAFTER TO PLATE	(3) 8d	TOENAIL
20. ROOF RAFTER TO 2-BY RIDGE BEAM (2) 16d	(2) 16d	TOENAIL FACE NAIL
21. JOIST TO BAND JOIST	(3) 16d	FACE NAIL
22. LEDGER STRIP	(3) 16d	FACE NAIL
23. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	5" AND LESS 6d[1] 7/8" TO 1" 8d"OR 6" 1 1/8" TO 1 1/4" 8d" 7/8" AND LESS 6d" 1" TO 1 1/4" 8d" 1 1/8" TO 1 1/4" 10d"OR 8"	
24. PANEL SIDING (TO FRAMING)	1/2" OR LESS 6d" 5/8" 8d"	
25. INTERIOR PANELING	1/4" 4d" 3/8" 6d"	
26. BUILT-UP CORNER STUDS	10d COMMON (3")(4.0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
27. BUILT-UP GIRDER AND BEAMS	3"x0.131" NAILS AT 24" O.C. (5) 3"x0.131" NAILS	face nail at top and bottom staggered on opposite sides face nail at ends and at each splice

FOR SI: 1 INCH=25.4mm

a. GALVANIZED COMMON NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
b. NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
c. COMMON OR DEFORMED SHANK (6d 2"X0.113"; 8d 2½"X0.131"; 10d 3"X0.148") 16d 3½"X0.162";
d. 20d 4"X0.192")
e. COMMON (6d 2"X0.113"; 8d 2½"X0.131"; 10d 3"X0.148").
f. DEFORMED SHANK (6d 2"X0.113"; 8d 2½"X0.131"; 10d 3"X0.148").
g. CORROSION-RESISTANT SIDING (6d 1¾"X0.106"; 8d 2⅜"X0.128") OR CASING (6d 2"X0.099"; 8d 2½"X0.113") NAIL.
J. (NOT USED)
k. CASING (1½"X0.080") OR FINISH (1½"X0.072") NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.

PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.

NOTES:
1. OTHER SITUATIONS FOR NON STRUCTURAL PURPOSES, SEE CBC TABLE 2304.9.1.
2. ALL NAILS SHALL BE COMMON NAILS.

STRUCTURAL GRAPHIC LEGEND & SHEET INDEX

MATERIALS

- CONCRETE
- EARTH
- CONTINUOUS WOOD MEMBER
- WOOD BLOCKING

(E) INDICATES EXISTING CONSTRUCTION.
(N.) INDICATES NEW CONSTRUCTION.

SYMBOLS

- NUMBER REF. DETAIL OR SECTION SHEET REF.
- FINISH ELEVATION
- BOTTOM OF FOOTING ELEVATION
- NUMBER REF. WALL ELEVATION SHEET REF.
- (STEP) FOOTING STEP
- TOP OF STEEL ELEVATION

ABBREVIATIONS

ARCH'L.	ARCHITECTURAL	NS	NEAR SIDE
BLK'G.	BLOCKING	O.C.	ON CENTER
CONT.	CONTINUOUS	O.H.	OPPOSITE HAND
DIM.	DIMENSION	OPN'G.	OPENING
DWG.	DRAWING	SHT'G.	SHEATHING
EA.	EACH	SIM.	SIMILAR
FIN.	FINISH	SYMM.	SYMMETRY
FLR.	FLOOR	TYP.	TYPICAL
FS	FAR SIDE	W.P.	WORKING POINT
GA.	GAGE	U.N.O.	UNLESS NOTED OTHERWISE
MAX.	MAXIMUM		
MECH'L.	MECHANICAL		
MIN.	MINIMUM		

STRUCTURAL SHEET INDEX

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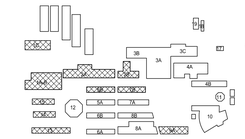

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SHEET NAME:
STRUCTURAL GENERAL NOTES

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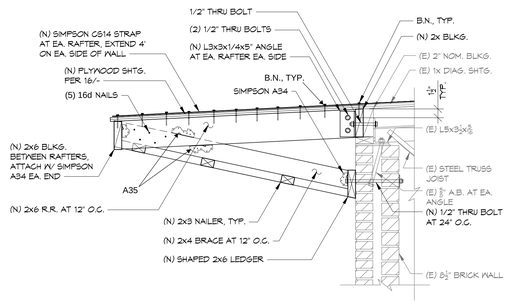
S1.00

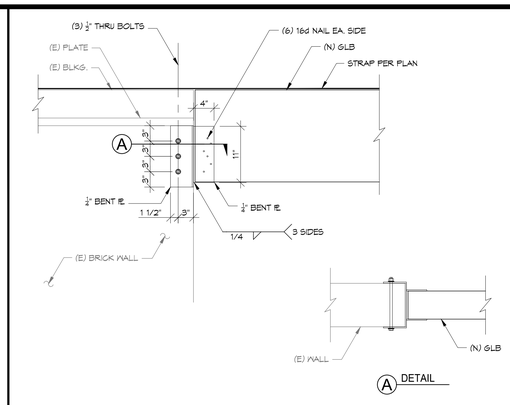
THE LINE BROWN ABOVE IS EXACTLY 1" WHEN PRINTED ON 30X42 ORIGINAL IMAGE SIZE

13

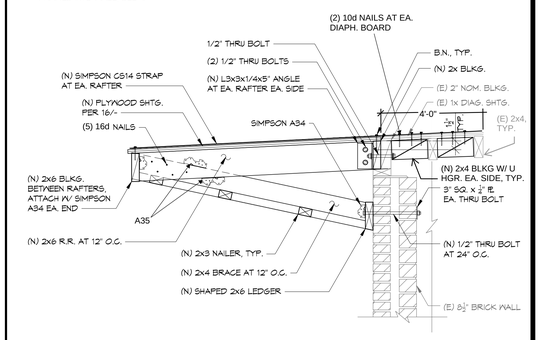
9 ROOF EAVE DETAIL AT STEEL TRUSS JOIST 1"=1'-0"



5 (N) WOOD BEAM TO (E) BRICK WALL CONNECTION 1"=1'-0"



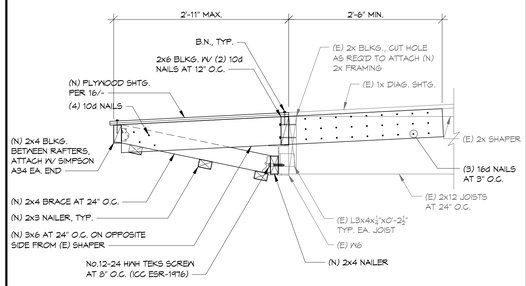
1 ROOF EAVE DETAIL 1"=1'-0"



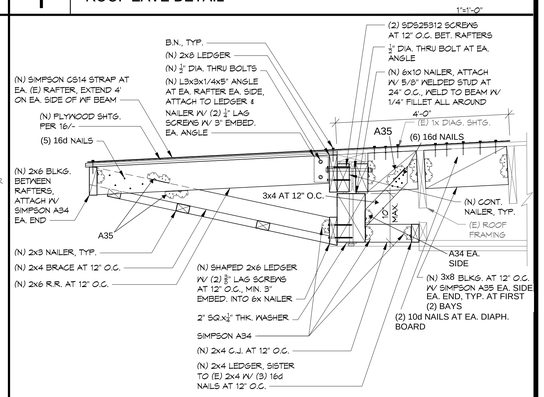
14

10

6 CANOPY DETAIL 1"=1'-0"



2 ROOF EAVE DETAIL 1"=1'-0"

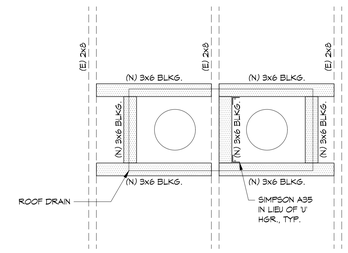


15

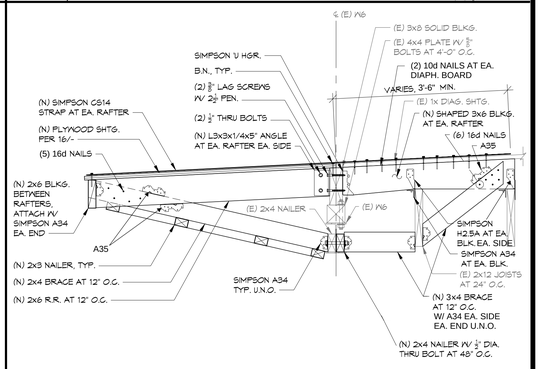
11

7 ROOF DRAIN BLOCKING 1"=1'-0"

NOTES:
1. SEE 1/A10.41 FOR ATTACHMENT DETAIL
2. ALL BLOCKING TO BE ATTACHED W/ SIMPSON 'U' HGR, EA. SIDE U.N.O.

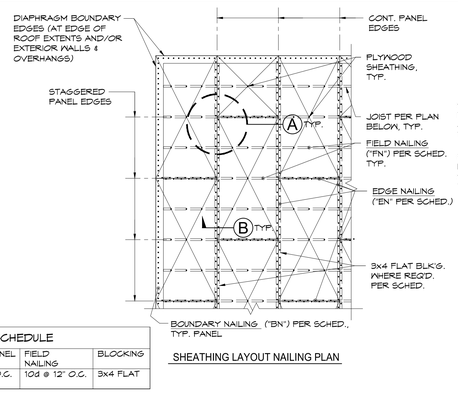


3 ROOF EAVE DETAIL 1"=1'-0"

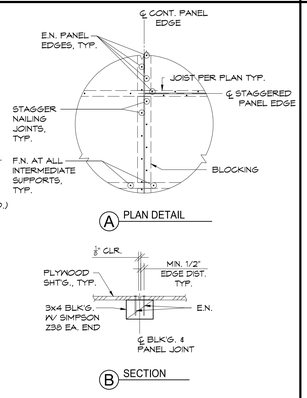


16 TYPICAL PLYWOOD ROOF SHEATHING CONSTRUCTION N.T.S.

NOTES:
1. SEE GENERAL NOTES FOR SHEATHING SPECIFICATIONS.
2. ALL NAILS SHALL BE FULL HEAD, COMMON WIRE NAILS.
3. INDIVIDUAL PLYWOOD SHEETS SHALL BE NOT LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8'-0" SQUARE FEET IN AREA, USE FULL SIZE SHEETS WHEREVER POSSIBLE.
4. PLACE PLYWOOD SHEETS WITH FACE PLIES PERPENDICULAR TO RAFTERS.
5. COORDINATE RAFTER LAYOUT WITH PLYWOOD PANEL LAYOUT PATTERN TO AVOID EXCESSIVE CUTTING OF SHEATHING.



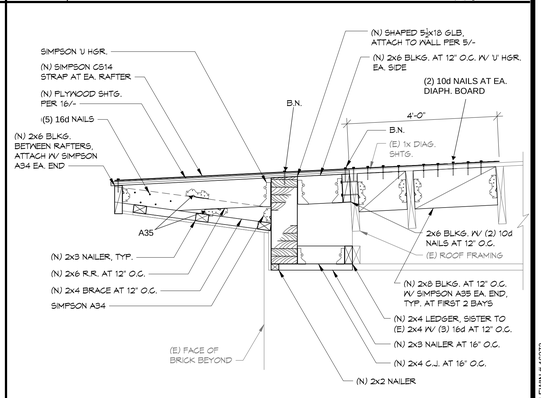
SHEATHING LAYOUT NAILING PLAN



PLYWOOD SHEATHING & NAILING SCHEDULE						
LEVEL	PANEL THICKNESS	CONT. E.N.	B.N.	OTHER PANEL EDGES	FIELD NAILING	BLOCKING
ROOF	15/32" TYP. U.N.O.	10d @ 4" O.C.	10d @ 4" O.C.	10d @ 4" O.C.	10d @ 12" O.C.	3x4 FLAT

8

4 ROOF EAVE DETAIL 1"=1'-0"



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DETAILS

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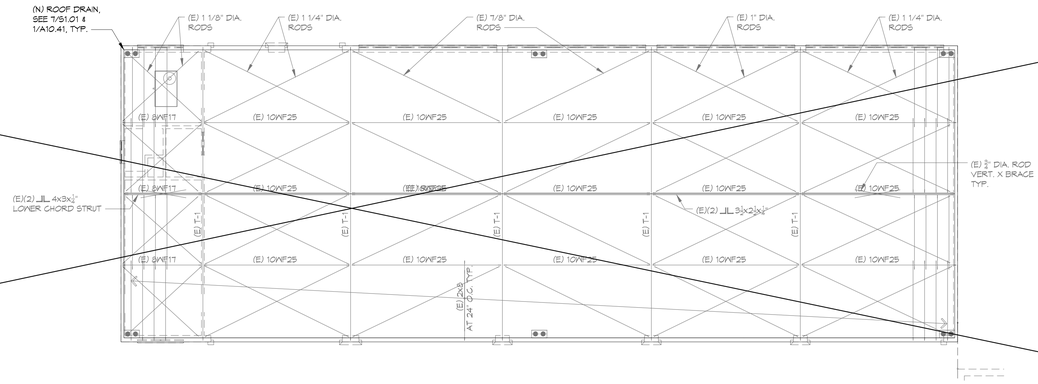
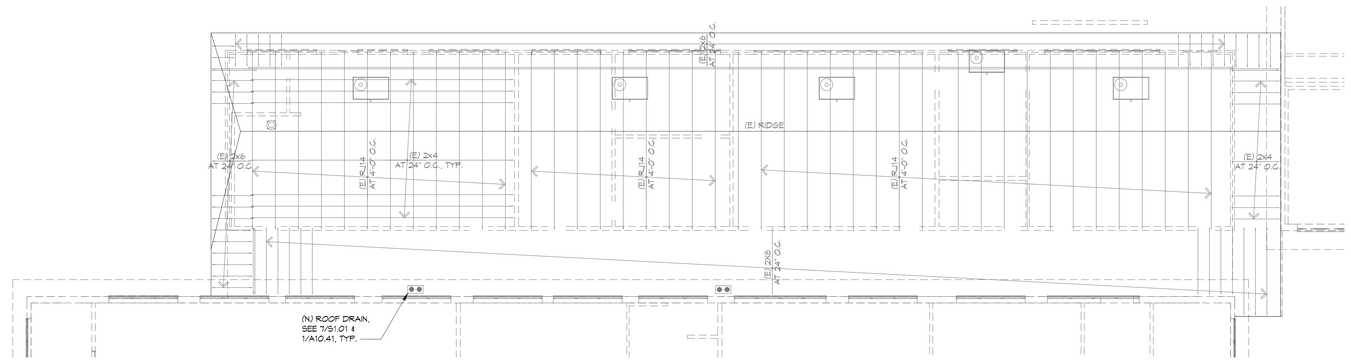


13 BLDG 1C ROOF FRAMING PLAN

3/32"=1'-0"



14 BLDG 1-AB LOWER ROOF FRAMING PLAN

3/32"=1'-0"

16

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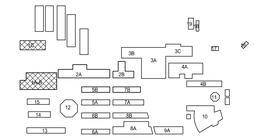

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BLDG 1A-B & 1C ROOF FRAMING PLANS

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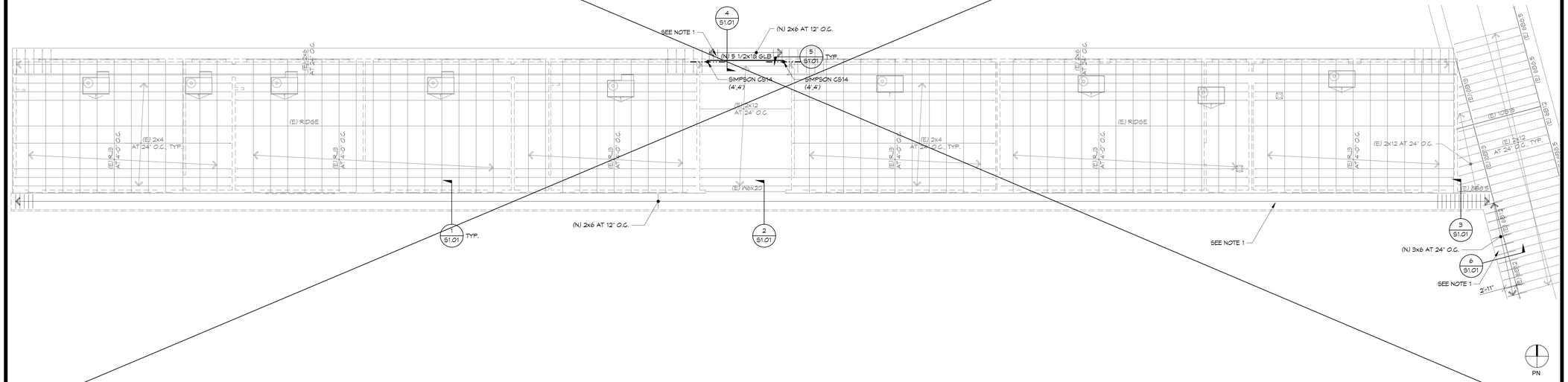
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL 24x36 SHEETS

ROOF FRAMING PLAN NOTES:

1. PROVIDE 15/32" PLYWOOD SHEATHING OVER ALL (N) ROOF FRAMING PER 16/S1.01.
2. — · — · — INDICATES STRAP
   (X,X) INDICATES LENGTH ON EITHER SIDE OF CONNECTION



PN

3/32"=1'-0"

14 BLDG 5B & 7B ROOF FRAMING PLANS

16

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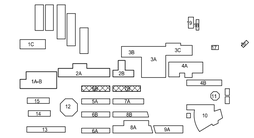

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ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7–16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARDWIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 115 / 220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–16 SECTION 13.3 AS DEFINED IN ASCE 7–16 SECTIONS 13.6.5, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1616A1.25 AND 1616A1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE–APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

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

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE–APPROVAL (OPM #–0043–13)

PIPING MATERIALS

1. SANITARY SEWER , VENT AND STORM DRAIN PIPING BELOW GROUND : SERVICE WEIGHT NO–HUB CAST IRON PIPE & FITTINGS CONFORMING TO THE REQUIREMENTS CISPI STANDARD 301, ASTM A 888 OR ASTM A74 WITH TYPE 304 STAINLESS STEEL HEAVY DUTY NO–HUB COUPLINGS. PROVIDE PIPE WRAP ON ALL UNDERGROUND PIPING IN ACCORDANCE WITH ANSI/AWWA STANDARDS C105 /A21.5–93. BED AND BACKFILL WITH CLEAN SAND, 6" THICK ALL AROUND PIPE.
2. SOIL , WASTE VENT , STORM DRAIN PIPING ABOVE GROUND : SERVICE WEIGHT NO–HUB CAST IRON PIPE & FITTINGS CONFORMING TO THE REQUIREMENTS OF CISPI STANDARD 301, ASTM A888 OR ASTM A74 WITH TYPE 304 STAINLESS STEEL STANDARD DUTY NO–HUB COUPLINGS.
3. ALL OF THE ABOVE SHALL COMPLY WITH THE SPECIFICATIONS.

NOTE:
ALL PIPE, FITTINGS, FIXTURES, ETC. THAT CONTACT POTABLE WATER FOR HUMAN CONSUMPTION SHALL SHOW APPROVAL TO NSF 61, ANNEX "G". EFFECTIVE JANUARY 1, 2010, THE LEAD CONTENT OF THE WETTED SURFACE AREA OF THE PIPES, FITTINGS AND FIXTURES CONVEYING POTABLE WATER FOR HUMAN CONSUMPTION, OF NOT MORE THAN 0.25%, SHALL BE DETERMINED PURSUANT TO A PRESCRIBED FORMULA AS DETERMINED BY THIRD PARTY CERTIFIERS TO NSF STANDARD 61, ANNEX "G". REFERENCE SECTION 604.10, CALIFORNIA PLUMBING CODE, 2022 EDITION, AND HEALTH & SAFETY CODE SECTION 116875.

PLUMBING GENERAL NOTES

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, DRAINS AND EQUIPMENT.
2. COORDINATE ALL LOCATIONS, SIZES AND ELEVATIONS OF ALL SLEEVES THROUGH BEAMS, SLABS AND FOOTINGS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.
3. ALL HORIZONTAL WASTE LINES SHALL BE RUN AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED ON PLAN.
4. ALL HORIZONTAL STORM DRAINS AND OVERFLOW DRAIN LINES SHALL BE RUN AT A SLOPE OF 1/8" PER FOOT UNLESS OTHERWISE NOTED ON PLAN.
5. COORDINATE AND VERIFY EXACT LOCATION, SIZE, POINTS OF CONNECTION AND INVERT ELEVATIONS OF UTILITY SERVICE PIPING BEFORE TRENCHING OR INSTALLATION.
6. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR WALL AND PARTITION CONSTRUCTION AND THICKNESS WHERE PLUMBING PIPING OR EQUIPMENT IS INDICATED.
7. THE LOCATION AND ELEVATION OF ALL PLUMBING PIPING SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES, STRUCTURAL CONDITIONS AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.
8. ALL VALVES AND COCKS SHALL BE LOCATED TO BE READILY ACCESSIBLE. WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS, PARTITIONS OR CEILINGS, AN ACCESS PANEL SHALL BE INSTALLED.
9. ALL OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED SO AS TO PERMIT EASY CONNECTION – COORDINATE WITH DUCT WORK, STRUCTURAL CONDITIONS AND ARCHITECTURAL LAYOUT.
10. ALL PLUGGED OR CAPPED WASTE OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED ABOVE CEILING WITH PIPE INVERT +4 INCHES ABOVE THE CEILING.
11. ALL PLUGGED OR CAPPED VENT OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED ABOVE CEILING WITH PIPE INVERT 12" FROM BOTTOM OF SLAB.
12. ALL WALL MOUNTED ACCESS PANELS AND WALL CLEANOUTS SHALL BE MOUNTED AS LOW AS POSSIBLE UNLESS NOTED OTHERWISE OR AS INDICATED IN ARCHITECTURAL PLANS OR AS REQUIRED. CONTRACTOR SHALL GET ARCHITECT AND ENGINEER APPROVAL FOR ALL LOCATIONS PRIOR TO INSTALLATION OF WALL GYPSUM BOARD.
13. THESE DRAWINGS ARE DIAGRAMMATIC. THE LOCATION & ELEVATION OF ALL PLUMBING PIPING IS APPROXIMATE AND SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES, STRUCTURAL CONDITIONS AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.
14. PENETRATIONS OF PIPES, ETC, IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
15. ALL REQUIRED CLEANOUTS SHALL BE INSTALLED AS PER SECTION 707.0 OF THE PLUMBING CODE.
16. ROOF DRAIN AND OVERFLOW PIPING WITHIN THE BUILDING SHALL UTILIZE APPROVED DRAINAGE FITTINGS.
17. CLEANOUTS FOR BUILDING STORM DRAINS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 719.0 OF THE PLUMBING CODE.
18. NEW BUILDING STORM DRAINAGE SYSTEM AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED OR REPAIRED SHALL BE TESTED AS DESCRIBED IN SECTION 1109.0 OF THE PLUMBING CODE.
19. DIELECTRIC UNIONS SHALL BE USED AT ALL POINTS OF CONNECTION WHERE THERE IS A DISSIMILARITY OF METALS.

CALIFORNIA GREEN BUILDING STANDARD CODE, SECTION 5.303.3 STANDARDS FOR PLUMBING FIXTURES AND FIXTURE FITTINGS

REQUIRED STANDARDS	
WATER CLOSETS (TOILETS) – FLUSHOMETER VALVE TYPE SINGLE FLUSH, MAXIMUM FLUSH VOLUME	ASME A 112.19.2/ CSA B45.1 – 1.28 GAL (4.8 L)
WATER CLOSETS (TOILETS) – FLUSHOMETER VALVE TYPE DUAL FLUSH, MAXIMUM FLUSH VOLUME	ASME A 112.19.14 AND USEPA WATERSENSE TANK – TYPE HIGH–EFFICIENCY TOILET SPECIFICATION – 1.28 GAL (4.8 L)

PLUMBING FIXTURE SCHEDULE

UNIT NO.	DESCRIPTION	CONNECTION SIZES						REMARKS
		TRAP	W	V	CW	HW	FLOW RATE	
RD–1	ROOF DRAIN	–	4"	–	–	–	–	JR SMITH 1010–ERC SEE PLAN FOR SIZE
OD–1	OVERFLOW ROOF DRAIN	–	4"	–	–	–	–	JR SMITH 1070–Y WITH JR SMITH #1775 COVER; SEE PLAN FOR SIZE
WC–1	WATER CLOSET (ACCESSIBLE)	INT.	4"	2"	1"	–	–	AMERICAN STANDARD 3043.001 MADERA 17" HIGH, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL, OPEN–FRONT SEAT, SIPHON JET ACTION, ADA COMPLIANT, SLOAN ROYAL 111–1.28 EXPOSED MANUAL OPERATED FLUSH VALVE, 1.28 GPF.

TITLE 24 MANDATORY MEASURES

APPLICABLE	
☒	EQUIPMENT AND SYSTEMS EFFICIENCY ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE COMMISSION, AS SPECIFIED IN THOSE REGULATIONS , THAT THE APPLIANCE COMPLIES WITH THE APPLICABLE STANDARD FOR THAT APPLIANCE.
☒	PIPING SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH REQUIREMENTS OF THE TITLE 24 STANDARDS AND ALL CODES HAVING THE JURISDICTION.
☐	SERVICE WATER HEATING SYSTEMS. THE FOLLOWING SERVICE WATER HEATING SYSTEMS AND EQUIPMENT MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED THAT THE EQUIPMENT MEETS OR EXCEEDS ALL APPLICABLE EFFICIENCY REQUIREMENTS LISTED IN 113 OF THE ENERGY EFFICIENCY STANDARDS : GAS–FIRED NON–STORAGE TYPES > 200,000 BTU/HR.
☐	UNFIRED SERVICE WATER HEATER STORAGE TANKS AND BACKUP TANKS FOR SOLAR WATER HEATING SYSTEMS SHALL HAVE EITHER : EXTERNAL INSULATION WITH AN INSTALLED R–VALUE OF AT LEAST R–12 , INTERNAL AND EXTERNAL INSULATION WITH A COMBINED R–VALUE OF AT LEAST R–16 , OR SUFFICIENT INSULATION SO THAT THE HEAT LOSS OF THE TANK SURFACE BASED ON AN 80° F WATER–AIR TEMPERATURE DIFFERENCE SHALL SHALL BE LESS THAN 6.5 BTU / HR / SF.
☒	IF A CIRCULATING HOT WATER SYSTEM IS INSTALLED , IT SHALL HAVE A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMP(S) WHEN HOT WATER IS NOT REQUIRED.
☒	LAVATORIES IN RESTROOMS OF PUBLIC FACILITIES SHALL BE EQUIPPED WITH:
☒	OUTLET DEVICES THAT LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.5 GALLONS PER MINUTE.
☐	FOOT ACTUATED CONTROL VALVES , AND OUTLET DEVICES THAT LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.75 GALLONS PER MINUTE .
☒	LAVATORIES IN RESTROOM OF PUBLIC FACILITIES SHALL BE EQUIPPED WITH CONTROLS TO LIMIT THE OUTLET TEMPERATURE TO 110° F .

PLUMBING DEMO NOTES

1. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.
2. ALL PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE RETURNED TO THE BUILDING OWNER OR AS OTHERWISE DIRECTED.
3. COORDINATE AND VERIFY EXACT LOCATION, SIZE, SERVICE, POINTS OF CONNECTION AND INVERT ELEVATIONS OF EXISTING PIPING BEFORE INSTALLATION OR REMOVAL.
4. ALL EXISTING PIPING, FIXTURES AND EQUIPMENT ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. ALL EXISTING ROOF–IN'S TO REMAIN SHALL BE CAPPED TEMPORARILY UPON REMOVAL OF EXISTING FIXTURES.
6. ALL EXISTING VENT THRU ROOF OUTLETS NO LONGER IN SERVICE SHALL BE CAPPED ABOVE ROOF IN A WATER TIGHT MANNER.
7. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

LEGEND

SYMBOL	ABBR.	DESCRIPTION
	S OR W	SOIL OR WASTE ABOVE FLOOR OR GRADE
	S OR W	SOIL OR WASTE BELOW FLOOR OR GRADE
AW	AW	ACID WASTE ABOVE FLOOR OR GRADE
AW	AW	ACID WASTE BELOW FLOOR OR GRADE
SD	SD	STORM DRAIN ABOVE FLOOR OR GRADE
SD	SD	STORM DRAIN BELOW FLOOR OR GRADE
OD	OD	OVERFLOW DRAIN ABOVE FLOOR OR GRADE
OD	OD	OVERFLOW DRAIN BELOW FLOOR OR GRADE
	V	SANITARY VENT
	CW	COLD WATER
ICW	ICW	INDUSTRIAL COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
F	F	FIRE MAIN
D	D	INDIRECT DRAIN LINE
CD	CD	CONDENSATE DRAIN
SCD	SCD	SECONDARY CONDENSATE DRAIN
PCD	PCD	PUMPED CONDENSATE DRAIN
G	G	FUEL GAS
MG	MG	MEDIUM PRESSURE FUEL GAS, 5 PSI
TP	TP	TRAP PRIMER
RTP	RTP	RECYCLED WATER TRAP PRIMER
		DIRECTION OF FLOW
	P.G.	PRESSURE GAUGE W/PETE COCK
	G.C.	GAS COCK
	P.R.V.	PRESSURE REDUCING VALVE
	G.V.	GATE VALVE
	L.B.V.	LOCKING BALL VALVE
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
		DOWN
		RISE
		UNION
%		SLOPE IN DIRECTION OF FLOW
	W.H.A.	WATER HAMMER ARRESTOR
	P.O.C.	POINT OF CONNECTION
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
(E)	EXIST. (E)	EXISTING
	ABV.	ABOVE
	A.F.F.	ABOVE FINISHED FLOOR
	A.P.	ACCESS PANEL
	ASS'Y	ASSEMBLY
	BEH.	BEHIND
	BEL.	BELOW
	BLDG.	BUILDING
	BMCS	BUILDING MANAGEMENT AND CONTROL SYSTEM
	C.I.	CAST IRON
	CLG.	CEILING
	COTG	CLEANOUT TO GRADE
	CO.	CLEAN OUT
	CONT.	CONTINUATION
	FFE	FINISHED FLOOR ELEVATION
	DET.	DETAIL
	DN	DOWN
	DWG'S	DRAWINGS
	EA	EACH
	ELEC.	ELECTRIC
	EQUIP	EQUIPMENT
	FH	FIRE HYDRANT
	FIN	FINISHED
	FU	FIXTURE UNIT
	FLR	FLOOR
	FR.	FROM
	GPF	GALLONS PER FLUSH
	GPM	GALLONS PER MINUTE
	GR	GRADE
	HDR	HEADER
	I.E.	INVERT ELEVATION
	MECH	MECHANICAL
	TYP	TYPICAL
	VTR	VENT THROUGH ROOF
	W/	WITH

APPLICABLE CODES

2022 CALIFORNIA BUILDING CODE (CBC: PART 2 , TITLE 24 , CCR) (BASED ON 2021 INTERNATIONAL BUILDING CODE)

2022 CALIFORNIA ELECTRICAL CODE (CEC: PART 3 , TITLE 24 , CCR) (BASED ON 2020 NATIONAL ELECTRICAL CODE)

2022 CALIFORNIA MECHANICAL CODE (CMC: PART 4 , TITLE 24 , CCR) (BASED ON 2021 UNIFORM MECHANICAL CODE)

2022 CALIFORNIA PLUMBING CODE (CPC: PART 5 , TITLE 24 , CCR) (BASED ON 2021 UNIFORM PLUMBING CODE)

2022 CALIFORNIA FIRE CODE (CFC: PART 9, TITLE 24, CCR.) (BASED ON 2021 INTERNATIONAL FIRE CODE)

2022 CALIFORNIA ENERGY CODE.

2022 CALIFORNIA GREEN BUILDING CODE.

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HMC Architects
3566-002-103
3546 CONCOURS STREET
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909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

tk1sc COLLABORATIVE
11870 Pierce Street, Suite 160
Riverside, California 92505
951.299.4160 www.tk1sc.com
Project Leader - Nikolas Bruno
Plumbing Lead
tk1sc Job #: B2203326.000

REGISTERED PROFESSIONAL ENGINEER
ROGER CARLTON
No. M30080
Exp. 06-30-25
MECHANICAL
STATE OF CALIFORNIA

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
PLUMBING LEGENDS AND SCHEDULES

DSA SUBMITTAL

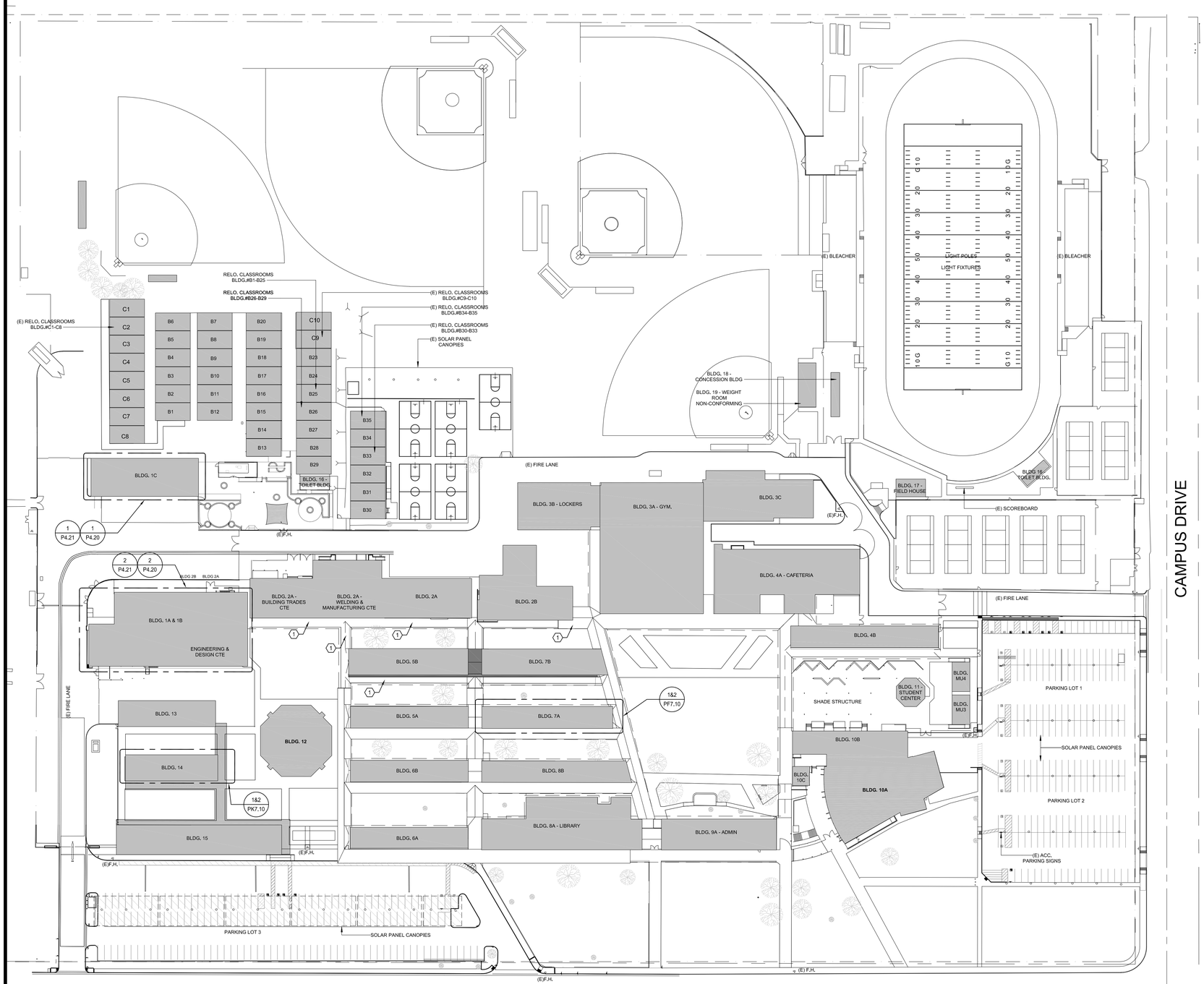
FILE NO.: 15-H3 | A NO.: 03-123508
DATE: 2023.09.18 | CLIENT PROJ NO: 3566002103
SHEET:

P0.00

PLEASE RECYCLE

PLAN NOTES

1. EXISTING COVERED WALKWAY REMOVED PER DEMO PLAN, SEE ARCHITECTURAL SHEETS FOR MORE INFORMATION



PLUMBING SITE PLAN | **1** 1" = 60'-0"

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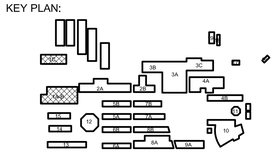
STATE OF CALIFORNIA
MECHANICAL

KEYNOTES

KEY PLAN:



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SHEET NAME:
PLUMBING SITE PLAN

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FILE NO.: 15-H3	A NO.: 03-123508
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SHEET:

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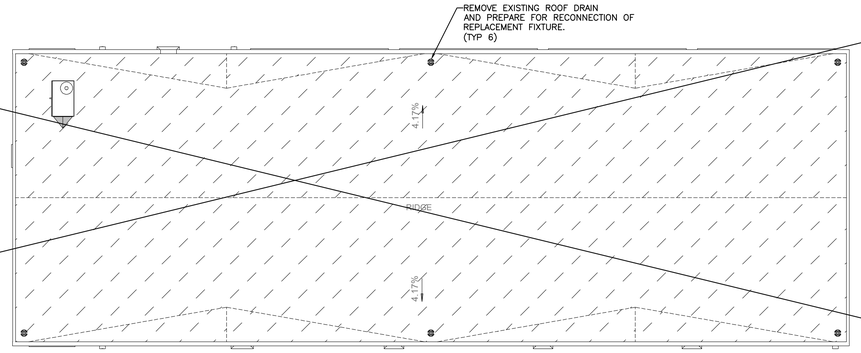
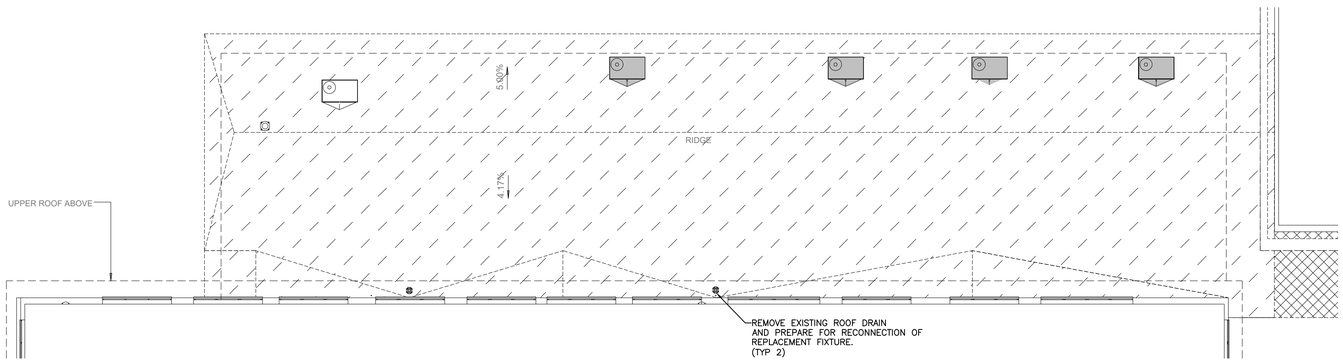


BUILDING 1-C ROOF PLAN
PLUMBING DEMO | **2** | 3/32" = 1'-0"



BUILDING 1-AB LOWER ROOF PLAN
PLUMBING DEMO | **1** | 3/32" = 1'-0"

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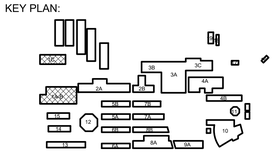
MECHANICAL

KEYNOTES

KEY PLAN:



FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

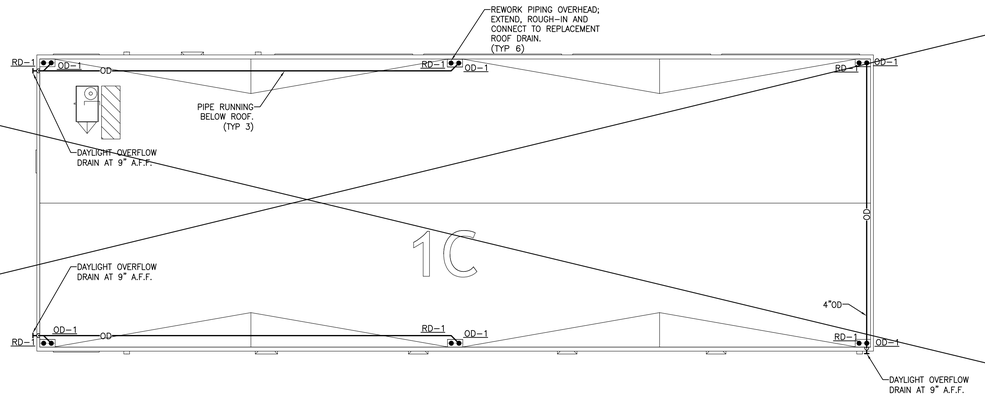
SHEET NAME:
ENLARGED PLUMBING ROOF PLANS
DEMO

DSA SUBMITTAL

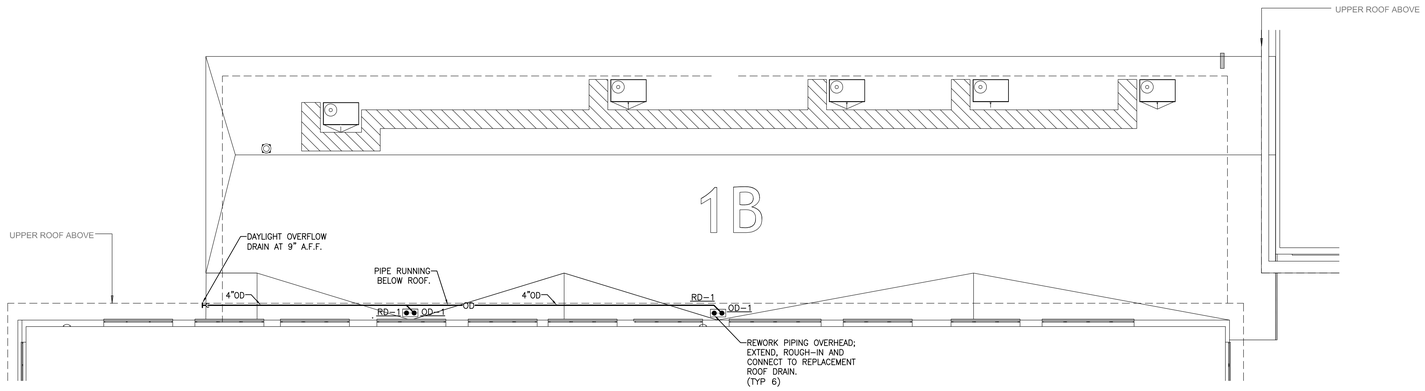
FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

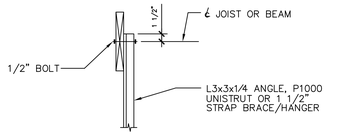
P4.20



BUILDING 1-C ROOF PLAN
PLUMBING REMODEL | **2** | 3/32" = 1'-0"

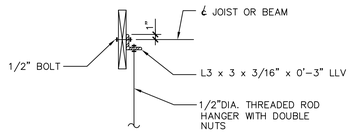


BUILDING 1-AB LOWER ROOF PLAN
PLUMBING REMODEL | **1** | 3/32" = 1'-0"



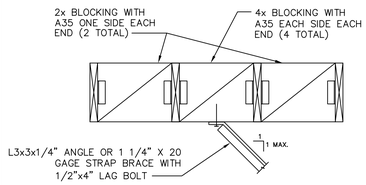
NOTES:
1. MAX. LOAD FOR THIS CONNECTION = 50#.

(A)



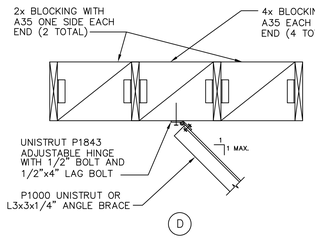
NOTES:
1. MAX. LOAD FOR THIS CONNECTION = 50#.

(B)

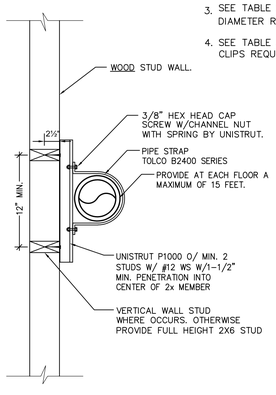


NOTES:
1. COPE ONE FLANGE OF ANGLE AND BEND OTHER FLANGE AT END FOR CONNECTION.

(C)



(D)



PLAN VIEW

(E)

TABLE 1. (L MAX. W/O ROD STIFFENER)

ROD DIA.	⅜"	½"	⅝"	¾"	⅞"
L MAX.	15"	21"	26"	32"	38"

TABLE 2. (L MAX. W/ ROD STIFFENER)

ROD STIFFENER	12GA. x1 ⅝" x 1 ⅝" STRUT CHANNEL
L MAX.	116"

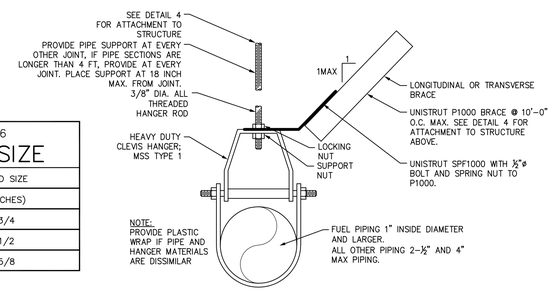
TABLE 3. (S MAX. W/ ROD STIFFENER)

ROD DIA.	⅜"	½"	⅝"	¾"	⅞"
L MAX.	15"	21"	26"	32"	38"

NOTES:
1. THIS DETAIL USED FOR ROD STIFFENER REQUIREMENTS FOR EQUIPMENT CABLE BRACING.
2. SEE TABLE 1 FOR MAXIMUM LENGTH OF 3/8" THRU 7/8" DIAMETER RODS WITHOUT ROD STIFFENER.
3. SEE TABLE 2 FOR MAXIMUM LENGTH OF 3/8" THRU 7/8" DIAMETER RODS WITH ROD STIFFENER.
4. SEE TABLE 3 TO DETERMINE NUMBER OF ROD STIFFENER CLIPS REQUIRED.

TRANSVERSE BRACE SPACING
20 FT. MAX.
LONGITUDINAL BRACE SPACING
40 FT. MAX.

TYPICAL PIPE CONNECTION DETAILS | 4



2022 CPC, TABLE 313.6
HANGER ROD SIZE

PIPE AND TUBE SIZES	ROD SIZE
(INCHES)	(INCHES)
1/2 – 4	3/4
5 – 8	1/2
10 – 12	5/8

2022 CPC, TABLE 313.3
HANGERS AND SUPPORT

PIPE MATERIAL	TYPE OF JOINTS	HORIZONTAL	VERTICAL
CAST-IRON HUBLESS	SHIELDED COUPLING	EVERY OTHER JOINT, UNLESS OVER 4 FEET THEN SUPPORT EACH JOINT [1,2,3,4]	BASE AND EACH FLOOR A MAXIMUM OF 15 FEET
COPPER TUBE AND PIPE	SOLDERED OR BRAZED	1–1/2" AND SMALLER, 6 FEET, 2" AND LARGER, 10 FEET	EACH FLOOR NOT TO EXCEED 10 FEET
STEEL PIPE FOR GAS	THREADED OR WELDED	1/2", 6 FEET; 3/4" AND 1", 8 FEET; 1 1/4" AND LARGER, 10 FEET [6,7]	1/2", 6 FEET; 3/4" AND 1", 8 FEET; 1 1/4" AND LARGER, EVERY FLOOR

NOTES:
1. SUPPORT ADJACENT TO JOINT, NOT TO EXCEED 18 INCHES.
2. BRACE NOT TO EXCEED 40 FEET (12,192 mm) INTERVALS TO PREVENT HORIZONTAL MOVEMENT.
3. SUPPORT AT EACH HORIZONTAL BRANCH CONNECTIONS.
4. HANGERS SHALL NOT BE PLACED ON THE COUPLING.
5. VERTICAL WATER LINES SHALL BE PERMITTED TO BE SUPPORTED IN ACCORDANCE WITH RECONIZED ENGINEERING PRINCIPLES WITH REGARD TO EXPANSION AND CONTRACTION, WHERE FIRST APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. REFER TO TABLE 1210.2.4.1 FOR PIPE SPACING REQUIREMENTS.
7. SUPPORTS, HANGERS, AND ANCHORS SHALL BE INSTALLED SO AS NOT TO INTERFERE WITH THE FREE EXPANSION AND CONTRACTION OF THE PIPING BETWEEN ANCHORS. PARTS OF THE SUPPORTING SYSTEM SHALL BE DESIGNED AND INSTALLED SO THEY ARE NOT DISENGAGED BY MOVEMENT OF THE SUPPORTED PIPING PER SECTION 1210.2.4 CPC 2022.

PIPE SUPPORT DETAILS | 3

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REGISTERED PROFESSIONAL ENGINEER
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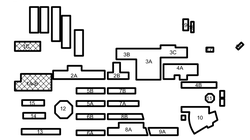
No. M30980
Exp. 06-30-25
MECHANICAL
STATE OF CALIFORNIA

KEYNOTES

KEY PLAN:



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900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
ENLARGED PLUMBING ROOF PLANS REMODEL

DSA SUBMITTAL

FILE NO.: **15-H3** | A NO.: **03-123508**
DATE: **2023.09.18** | CLIENT PROJ NO: **3566002103**
SHEET:

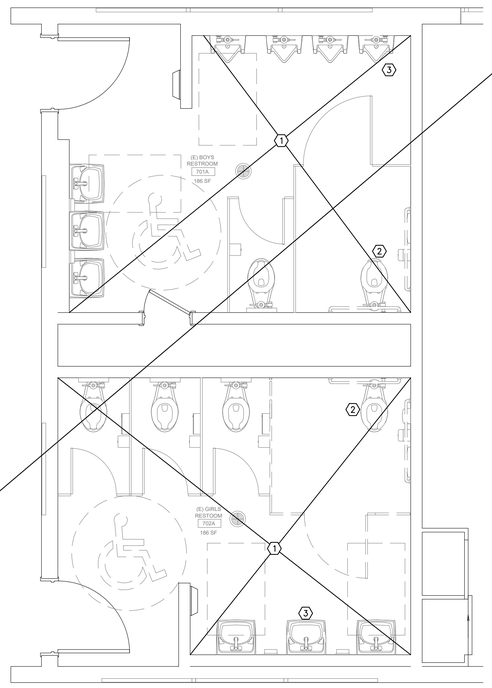
P4.21

DEMOLITION NOTES:

1. EXISTING PLUMBING FIXTURES IN RESTROOM TO REMAIN. UNLESS OTHERWISE NOTED.
2. REMOVE EXISTING PLUMBING FIXTURE; SALVAGE PLUMBING FIXTURE, PREPARE FOR RECONNECTION AND RELOCATION OF UNIT UNDER REMODEL PHASE.
3. REMOVE EXISTING PLUMBING FIXTURE. CAP PIPING IN WALL AS REQUIRED. PATCH, REPAIR AND MATCH EXISTING WALL.

GENERAL NOTES:

1. EXACT CONDITIONS AND LOCATIONS OF ALL PLUMBING PIPING NOT KNOWN, CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PIPING BEFORE BEGINNING OF WORK. NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES IN PLANS BEFORE STARTING OF WORK.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPING CONDITIONS WITHIN THE ROOM OR VICINITY WHERE NEW WORK IS PERFORMED AND NOTIFY ARCHITECT OF RECOMMENDED REPAIRS THAT ARE BEYOND SCOPE OF WORK.



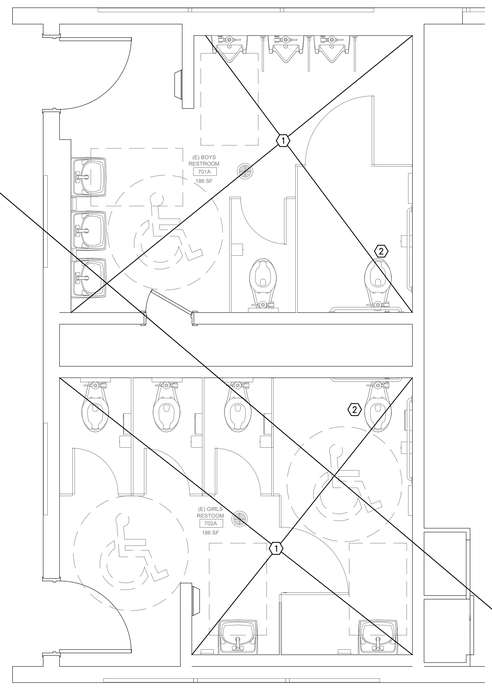
BUILDING 7A - ENLARGED PLUMBING PLAN - DEMO | 2 | 3/8" = 1'-0"

REMODEL NOTES:

1. EXISTING PLUMBING FIXTURES IN RESTROOM TO REMAIN, UNLESS OTHERWISE NOTED.
2. REWORK PIPING AS REQUIRED; EXTEND, ROUGH-IN AND CONNECT TO RELOCATED PLUMBING FIXTURE UNIT.

GENERAL NOTES:

1. ALL WASTE SHALL SLOPE 2% UNLESS OTHERWISE NOTED ON PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPING CONDITIONS WITHIN THE ROOM OR VICINITY WHERE NEW WORK IS PERFORMED AND NOTIFY ARCHITECT OF RECOMMENDED REPAIRS ARE BEYOND SCOPE OF WORK.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF RELOCATED FIXTURES.
5. PATCH AND REPAIR FLOOR AND WALL AS REQUIRED AND MATCH TO EXISTING.



BUILDING 7A - ENLARGED PLUMBING PLAN - REMODEL | 1 | 3/32" = 1'-0"

TN

PLEASE RECYCLE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects

3566-002-103

3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

tk1sc COLLABORATIVE

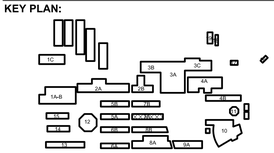
11870 Pierce Street, Suite 160
Riverside, California 92505
951.299.4160 www.tk1sc.com

Project Leader - Nikolas Bruno
Plumbing Lead
tk1sc Job #: BZ203326.000

REGISTERED PROFESSIONAL ENGINEER
ROGER CARTER
No. M30980
Exp. 06-30-25
MECHANICAL
STATE OF CALIFORNIA

KEYNOTES

KEY PLAN:



FACILITY:

Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:

KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:

BLDG 7A ENLARGED PLUMBING PLANS

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

PF7.10

DEMOLITION NOTES:

1. EXISTING PLUMBING FIXTURES IN RESTROOM TO REMAIN. UNLESS OTHERWISE NOTED.
2. REMOVE EXISTING PLUMBING FIXTURE; SALVAGE PLUMBING FIXTURE, PREPARE FOR RECONNECTION AND RELOCATION OF UNIT UNDER REMODEL PHASE.
3. REMOVE EXISTING PLUMBING FIXTURE; CAP PIPING IN WALL, BELOW FLOOR, AND/OR ABOVE CEILING. PREPARE FOR RECONNECTION OF REPLACEMENT UNIT UNDER REMODEL PHASE.
4. REMOVE EXISTING PLUMBING FIXTURE. CAP PIPING IN WALL AS REQUIRED. PATCH, REPAIR AND MATCH EXISTING WALL.

GENERAL NOTES:

1. EXACT CONDITIONS AND LOCATIONS OF ALL PLUMBING PIPING NOT KNOWN, CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF PIPING BEFORE BEGINNING OF WORK. NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES IN PLANS BEFORE STARTING OF WORK.
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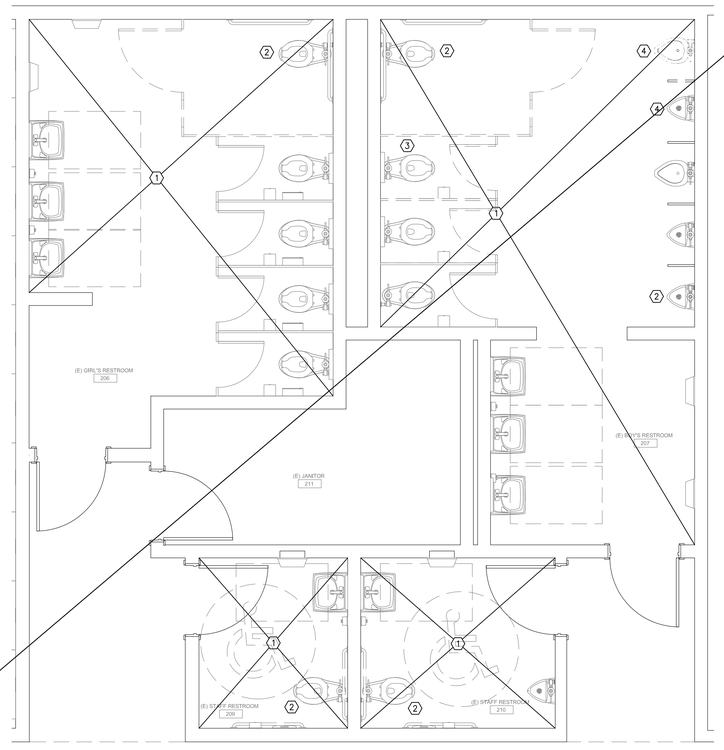

BUILDING 14 - ENLARGED PLUMBING PLAN - DEMO

2

3/8" = 1'-0"

REMODEL NOTES:

1. EXISTING PLUMBING FIXTURES IN RESTROOM TO REMAIN. UNLESS OTHERWISE NOTED.
2. REWORK PIPING AS REQUIRED; EXTEND, ROUGH-IN AND CONNECT TO RELOCATED PLUMBING FIXTURE UNIT.
3. REWORK PIPING AS REQUIRED; EXTEND, ROUGH-IN AND CONNECT TO REPLACEMENT PLUMBING FIXTURE UNIT.

GENERAL NOTES:

1. ALL WASTE SHALL SLOPE 2% UNLESS OTHERWISE NOTED ON PLANS.
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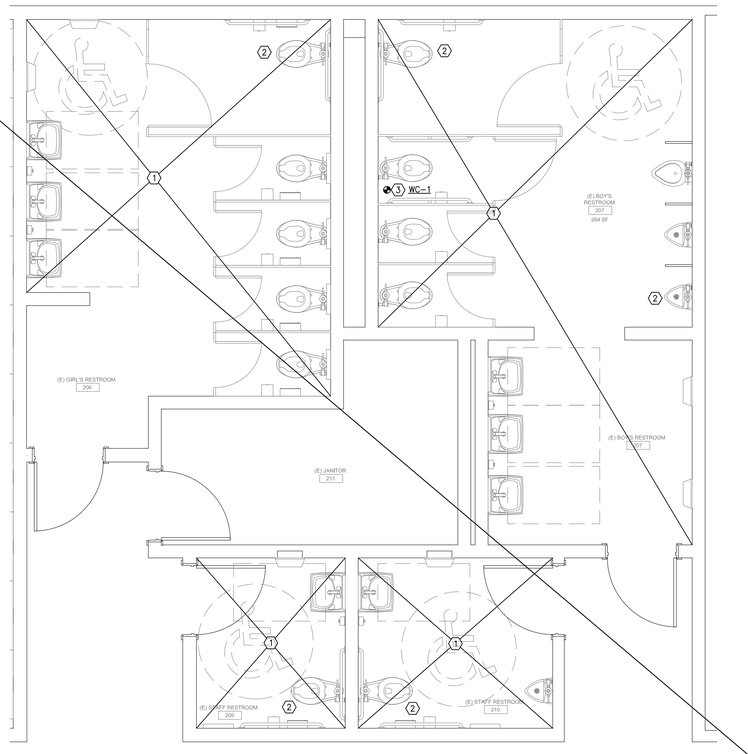

BUILDING 14 - ENLARGED PLUMBING PLAN - REMODEL

1

3/32" = 1'-0"

TN

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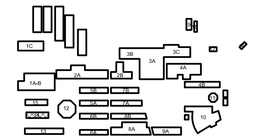

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SHEET NAME:

BLDG 14 - ENLARGED PLUMBING PLANS

DSA SUBMITTAL

FILE NO.: 15-H3 | A NO.: 03-123508

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SHEET:

PK7.10

ABBREVIATIONS

4S/DP	4" SQUARE BY 2-1/8" DEEP BOX
ADA	AMERICAN WITH DISABILITIES ACT
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
AMP, A	AMPERE
A.I.C. or AIC	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
A.F.C. or AFC	AVAILABLE FAULT CURRENT
AF/AT	AMP FRAME, AMP TRIP
AHJ	AUTHORITY HAVING JURISDICTION
AS/AF	AMP SWITCH, AMP FUSE
ATS	AUTOMATIC TRANSFER SWITCH
AVG	AVERAGE
BJ	BONDING JUMPER
BDF	BUILDING DISTRIBUTION FRAME
BR	BRANCH
BLDG	BUILDING
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
CIRC., CKT.	CIRCUIT
CB	CIRCUIT BREAKER
CSFD	COMBINATION SMOKE FIRE DAMPER
C	CONDUIT
C.O.	CONDUIT ONLY, COMPLETE WITH PULLSTRING
CONN	CONNECTED
CPT	CONTROL POWER TRANSFORMER
CLCB	CURRENT LIMITING CIRCUIT BREAKER
CLF	CURRENT LIMITING FUSE
CT	CURRENT TRANSFORMER
(D)	EXISTING DEVICE TO BE DEMOLISHED
DAS	DISTRIBUTED ANTENNA SYSTEM
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
D.P.C.S.	DIMMING PANEL CONTROL STATION
E.C.	ELECTRICAL CONTRACTOR
EMS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EWC	ELECTRIC WATER COOLER
E.P.O.	EMERGENCY POWER OFF
E-O-L	END-OF-LINE CIRCUIT TERMINATOR
EF	EXHAUST FAN
EGC or EG or E/G	EQUIPMENT GROUND (GREEN)
(E)	EXISTING DEVICE TO REMAIN
EP	EXPLOSION PROOF
(ER)	EXISTING DEVICE TO BE RELOCATED
FT or '	FEET
FA or F.A.	FIRE ALARM
FLA	FULL LOAD AMPS
GRD	GROUND

GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GE or GEC	GROUNDING ELECTRODE CONDUCTOR
HACR	HEATING AIR CONDITIONING REFRIGERATION
HOA	HAND-OFF-AUTO
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
H.,W.,D.,L.	HEIGHT, WIDTH, DEPTH, LENGTH
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IN. or "	INCHES
I/G	ISOLATED GROUND
IBC	INTERNATIONAL BUILDING CODE
I.D.C.S.	INTEGRATED DIMMING CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
JBOX	JUNCTION BOX
K	DEGREE KELVIN
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOUR
LCL	LONG CONTINUOUS LOAD
LF, L.F.	LINEAR FEET
LTG, LTS	LIGHTING
LPS	LOW PRESSURE SODIUM
MAX.	MAXIMUM
MBJ	MAIN BONDING JUMPER
MDF	MAIN DISTRIBUTION FRAME
MOCP	MAXIMUM OVERCURRENT PROTECTION
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
M.C.	MECHANICAL CONTRACTOR
M	METER
M/M	METER MAIN
MV	MERCURY VAPOR
MH	METAL HALIDE
MIN.	MINIMUM
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MFR.	MANUFACTURER
MTD	MOUNTED
MW	MICROWAVE
NATS	NON AUTOMATIC DISCONNECT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NC	NORMALLY CLOSED

NO	NORMALLY OPENED
NF	NON-FUSED
NIC	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NL	NIGHT LIGHT
NO. or #	NUMBER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
%Z	PERCENT IMPEDANCE
PH. or ø	PHASE
PC	PHOTOCELL
P.C.	PLUMBING CONTRACTOR
P	POLE
PVC	POLY VINYL CHLORIDE
PDU	POWER DISTRIBUTION UNIT
PRIMARY	OVER 600 VOLTS
PROVIDE	FURNISH, INSTALL AND CONNECT
PT	POTENTIAL TRANSFORMER
PA	PUBLIC ADDRESS
(R)	DENOTES RELOCATED DEVICE LOCATION.
REC, RECEPT	RECEPTACLE
REF	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL
RMS	ROOT MEAN SQUARE
SCC	SHORT CIRCUIT CURRENT
SCCR	SHORT CIRCUIT CURRENT RATING
SCS	STRUCTURED CABLING SYSTEM
SFD	SMOKE FIRE DAMPER
SECONDARY	600 VOLTS AND LESS
SMACNA	SHEET METAL AND AIR COND. CONTRACTOR'S NAT'L ASSOC.
SQ.	SQUARE
SSBJ	SUPPLY SIDE BONDING JUMPER
SBJ	SYSTEM BONDING JUMPER
TC	TIMECLOCK
TEL/DATA	TELEPHONE AND DATA
TV	TELEVISION
T.V.S.S.	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
U.G.P.S.	UNDERGROUND PULL SECTION
U.O.N.	UNLESS OTHERWISE NOTED
U.P.S. or UPS	UNINTERRUPTABLE POWER SYSTEM
VAV	VARIABLE AIR VOLUME
V	VOLTS
VA	VOLT AMPERES
VD	VOLTAGE DROP
WP	WEATHERPROOF
W	WIRE
XFMR	TRANSFORMER

FIRE ALARM SYSTEM SYMBOLS

SEE FIRE ALARM OR CENTRAL MONITORING SYSTEM DRAWINGS FOR FIRE ALARM SYMBOLS.

ANNOTATIONS

A — PANEL CALLOUT, "A" INDICATES PANELBOARD OR EQUIPMENT DESIGNATION.

AC / 2 — MECHANICAL EQUIPMENT CALLOUT, "AC" INDICATES UNIT TYPE AND "2" INDICATES UNIT NUMBER. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND ELECTRICAL REQUIREMENTS.

3 / E-1 — DETAIL CALLOUT, "3" INDICATES DETAIL NUMBER "E-1" INDICATES SHEET NUMBER.

2 — PLAN NOTE REFERENCE, REFER TO NOTES ON SHEET, OR AS DIRECTED.

4 — REVISION REFERENCE.

WYE CONFIGURATION — DELTA CONFIGURATION — GROUND

LIGHTING SYMBOLS

SITE LIGHTING FIXTURE SYMBOLS DEPICTED WITH CAPITAL LETTER(S) ADJACENT TO RESPECTIVE SYMBOL(S) INDICATE(S) LIGHT FIXTURE MOUNTING BASE DETAIL(S). SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE SYMBOL INFORMATION.

1a — LIGHTING FIXTURE CALL OUT, NUMBER(S) AND/OR UPPER CASE LETTER(S) (i.e. "1") INDICATES FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE). LOWER CASE LETTER (i.e. "a") ADJACENT TO FIXTURE TYPE INDICATES BALLAST OPTION (SEE GENERAL LIGHTING FIXTURE SCHEDULE NOTES).

J — INDICATES FINAL CONNECTION TO A LIGHTING FIXTURE, NUMBER OF CONDUCTORS AS REQUIRED.

LIGHTING CONTROL SYMBOLS

SEE THE DISTRIBUTED LIGHTING CONTROL (DLCS) SPECIFICATIONS AND SEQUENCE OF OPERATIONS (SOO) FOR MORE INFORMATION.

- LOW VOLTAGE WIRING INTERCONNECTING DLCS COMPONENTS AS REQUIRED. SEE DLCS SPECIFICATIONS FOR MORE INFORMATION.
- WALL MOUNTED DIMMER. SEE SINGE POLE SWITCH SYMBOL FOR RELATED SUBSCRIPTS. QUANTITY OF ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF DIMMERS REQUIRED. PROVIDE DIMMER TYPE TO MATCH INDICATED BALLAST TYPE AND CONTROL REQUIREMENTS.
- y — WALL MOUNTED STAND ALONE OCCUPANCY SENSOR.
- H, y — WALL MOUNTED SYSTEM-BASED OCCUPANCY SENSOR.
- H,AV,DM,P, y — 1-WAY DIRECTIONAL CEILING MOUNTED, SYSTEM-BASED OCCUPANCY SENSOR.
- H,AV,DM,P, y — 2-WAY DIRECTIONAL CEILING MOUNTED, SYSTEM-BASED OCCUPANCY SENSOR.
- K,V, y — LOW VOLTAGE MOMENTARY SWITCHES, WALL MOUNTED, FOR MANUAL ON/OFF SWITCHING, DIMMING, AND OVERRIDE CONTROL OF LIGHTING.
- S, y+ — AUTOMATIC SWITCHING/STEP-DIMMING DAYLIGHTING CONTROLLER USED TO SWITCH OFF LIGHTS WHEN SUFFICIENT NATURAL LIGHT IS PRESENT. REFER TO THE DLCS SOO FOR TARGET ILLUMINATION VALUE.
- D, y+ — AUTOMATIC CONTINUOUS DIMMING DAYLIGHTING CONTROLLER USED TO DIM LIGHTS WHEN SUFFICIENT NATURAL LIGHT IS PRESENT. REFER TO THE DLCS SOO FOR TARGET ILLUMINATION VALUE.

LIGHTING CONTROL SYMBOL SUPERSCRIPT & SUBSCRIPT KEY:

1. "y" INDICATES THAT SWITCH LEG "y" TO BE CONFIGURED PER THE SOO. ADJACENT LOWER CASE LETTERS INDICATES QUANTITY OF SWITCHLEGS TO BE CONTROLLED. EXACT CONTROL FUNCTION IS DETERMINED BY THE BALLAST/DRIVER/FIXTURE TYPE.
2. ADJACENT UPPER CASE LETTER(S) INDICATE THE FOLLOWING:

   AV INDICATES CONNECTION TO A/V CONTROL SYSTEM.
   DM INDICATES DUAL MODE CONTROL AT CORRIDORS, STAIRWELLS AND WAREHOUSE AISLEWAYS
   H INDICATES CONNECTION TO HVAC SYSTEM CONTROLS VIA CONTROLLED DRY-CONTACT CLOSURE.
   K INDICATES LOCKING SWITCH FOR THE SUBSEQUENT LOWER CASE LETTER.
   P INDICATES CONNECTION TO MOVEABLE PARTITION INTERFACE, SENSOR AND STATUS INDICATOR.
   V INDICATES VANDAL RESISTANT SWITCH.
3. ADJACENT LOWER CASE LETTER(S) INDICATE SWITCH LEG(S) CONTROLLED EXCEPT WHERE "DM" INDICATES DUAL MODE CONTROL SWITCH.
4. ADJACENT "+, ++ AND *" INDICATES PORTION OF SWITCHLEG CONTROLLED BY SENSOR WHERE "+" INDICATES PRIMARY SIDELIT DAYLIT ZONE, "++" INDICATES SECONDARY SIDELIT DAYLIT ZONE, AND "*" INDICATES SKYLIT DAYLIT ZONE.

MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7–16, CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–16 SECTION 13.3 AS DEFINED IN ASCE 7–16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

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

MP☐ MD☐ PP☐ E☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI PRE–APPROVAL (OPM#) #0052–13 & #0043–13.

BRANCH CIRCUIT SYMBOLS

- A-1,3,5 — HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMBERS INDICATE CIRCUITS. HASH MARKS INDICATE NUMBER OF CONDUCTORS IN CONDUIT RUN, #12 AWG MINIMUM UNLESS OTHERWISE NOTED.
- A-1&3&5 — HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMBERS INDICATE CIRCUITS WITH SEPARATE NEUTRALS. "&" INDICATES SEPARATE NEUTRALS.
- A-1+3+5 — HOME RUN TO PANEL. LETTER DESIGNATES PANEL, NUMBERS INDICATE CIRCUITS. "+" INDICATES SEPARATE #10 NEUTRAL THROUGHOUT BRANCH CIRCUIT. HASH MARK " " INDICATES AN ISOLATED GROUND CONDUCTOR.
- CONCEALED CONDUIT OR BRANCH CIRCUIT UNLESS OTHERWISE NOTED. 1/2" CONDUIT MINIMUM, (2) #12 AWG CONDUCTORS MINIMUM.
- CONDUIT OR BRANCH CIRCUIT CONCEALED BELOW GRADE, 3/4" CONDUIT MINIMUM WITH (2) 12 AWG CONDUCTORS MINIMUM AND A CODE SIZED EQUIPMENT GROUND.
- SURFACE-MOUNTED CONDUIT OR BRANCH CIRCUIT UNLESS OTHERWISE NOTED. 1/2" CONDUIT MINIMUM, (2) #12 AWG CONDUCTORS MINIMUM.
- TANDEM WIRING CONNECTION.
- CONDUIT STUB OUT, CAP, MARK AND RECORD ON AS-BUILT DRAWINGS
- CONDUIT CONTINUATION.
- FLEXIBLE CONNECTION AS REQUIRED. NUMBER OF CONDUCTORS AS REQUIRED. VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
- CONDUIT/ BRANCH CIRCUIT/FEEDER CONTINUATION DOWN WALL TO FLOOR BELOW
- CONDUIT/ BRANCH CIRCUIT/FEEDER CONTINUATION UP WALL TO FLOOR ABOVE

PROJECT SPECIFIC SYMBOLS

REQUIRED SPECIFICATION DEVIATIONS

THE FOLLOWING ITEM(S) ARE REQUIRED DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS AND SHOULD BE INCLUDED AS PART OF THE BASE BID. THESE DEVIATIONS ARE AT THE DIRECTION OF THE OWNER:

NONE

ALLOWED SPECIFICATION DEVIATIONS

THE FOLLOWING ITEM(S) ARE ALLOWED DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS. THESE DEVIATIONS ARE AT THE DIRECTION OF THE OWNER:

NONE

DEDUCTIVE/ADDITIVE ALTERNATE PRICING

IN ADDITION TO ANY DEDUCTIVE OR ADDITIVE LINE ITEM PRICING CALLED FOR ON THE DRAWING OR IN THE SPECIFICATIONS, CONTRACTOR SHALL PROVIDE SEPARATE LINE ITEM DEDUCTIVE/ADDITIVE ALTERNATE PRICING FOR EACH OF THE FOLLOWING ITEM(S):

NONE

POWER SYMBOLS

ALL RECEPTACLE OUTLETS SHOWN WITH A DIAGONAL SLASH SHALL BE CONTROLLED BY OCCUPANCY SENSOR OR LIGHTING CONTROL PANEL. SEE DISTRIBUTED LIGHTING CONTROLS FOR ADDITIONAL REQUIREMENTS. WHERE DOUBLE DUPLEX RECEPTACLE OUTLETS ARE INDICATED AS CONTROLLED, ONLY A SINGLE DUPLEX RECEPTACLE OUTLET (NON-IG, NON-GCFI TYPE) SHALL BE CONTROLLED. WITHIN ANY CONTROLLED DUPLEX RECEPTACLE OUTLET, ONLY ONE RECEPTACLE SHALL BE CONTROLLED. NOTE THAT FOR FLOOR BOXES OR POKE-THRU DEVICES, THE ASSOCIATED CONTROL RELAY MAY NEED TO BE LOCATED WITHIN THE ELECTRICAL ROOM WHERE THE CONTROLLED CIRCUIT ORIGINATES.

- a — OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM CONTROLLED RECEPTACLE RELAY. WHERE LETTER DESIGNATION "a" REPRESENTS OCCUPANCY SENSOR/LIGHTING CONTROL SYSTEM CONTROL ZONE. SEE THE DISTRIBUTED LIGHTING CONTROL SPECIFICATION FOR MORE INFORMATION.
- DUPLEX RECEPTACLE, WALL MOUNTED.
- DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED.
- DUPLEX, GFCI RECEPTACLE, WALL MOUNTED. WP INDICATES WEATHERPROOF, A, B OR C INDICATES THE TYPE OF COVER, REFER TO THE GENERAL PRODUCT SPECIFICATIONS.
- DOUBLE DUPLEX, WALL MOUNTED, WITH (1) GFCI RECEPTACLE AND (1) DUPLEX RECEPTACLE CONNECTED ON LOAD SIDE OF GFCI. WP INDICATES WEATHERPROOF, A, B OR C INDICATES THE TYPE OF COVER, REFER TO THE GENERAL PRODUCT SPECIFICATIONS.
- DUPLEX RECEPTACLE, ONE HALF SWITCHED, WALL MOUNTED.
- DUPLEX, ISOLATED GROUND RECEPTACLE, WALL MOUNTED.
- 1,3 / 1,3a — COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE, WALL MOUNTED.
- COMBINATION DOUBLE DUPLEX: TWO ISOLATED GROUND RECEPTACLES, WALL MOUNTED.
- SIMPLEX RECEPTACLE, WALL MOUNTED.
- SPECIAL RECEPTACLE, WALL MOUNTED. REFER TO PLAN NOTES.
- DUPLEX RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- DOUBLE DUPLEX RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- DUPLEX RECEPTACLE, ONE HALF SWITCHED, FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- DUPLEX, ISOLATED GROUND RECEPTACLE, FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- 1,3 / 1,3a — COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE, MOUNTED FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN FLOOR BOX SYMBOL.
- COMBINATION DOUBLE DUPLEX FLUSH IN CEILING: TWO ISOLATED GROUND RECEPTACLES - MOUNT FLUSH IN FLOOR WHEN INDICATED IN FLOOR BOX SYMBOL.
- SIMPLEX RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- SPECIAL RECEPTACLE FLUSH IN CEILING - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL.
- DUPLEX RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- DUPLEX, GFCI RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH. WP INDICATES WEATHERPROOF, A, B OR C INDICATES THE TYPE OF COVER, REFER TO THE GENERAL PRODUCT SPECIFICATIONS.
- DOUBLE DUPLEX, WALL MOUNTED 6-INCHES ABOVE COUNTER OR SPLASH, WITH (1) GFCI RECEPTACLE AND (1) DUPLEX RECEPTACLE CONNECTED ON LOAD SIDE OF GFCI. WP INDICATES WEATHERPROOF, A, B OR C INDICATES THE TYPE OF COVER, REFER TO THE GENERAL PRODUCT SPECIFICATIONS.
- DUPLEX RECEPTACLE, BOTTOM HALF SWITCHED, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- DUPLEX, ISOLATED GROUND RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- 1,3 / 1,3a — COMBINATION DOUBLE DUPLEX: ONE ISOLATED GROUND DUPLEX RECEPTACLE AND ONE DUPLEX RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- COMBINATION DOUBLE DUPLEX: TWO ISOLATED GROUND DUPLEX RECEPTACLES, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- SIMPLEX RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH.
- SPECIAL RECEPTACLE, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH. REFER TO PLAN NOTES.
- WP-B — WET LOCATION-LISTED (RAINTITE-IN-USE) RECEPTACLE - SEE ELECTRICAL SPECIFICATION FOR ADDITIONAL INFORMATION.
- WP-D — DAMP LOCATION-LISTED (NOT-RAINTITE-IN-USE) RECEPTACLE - SEE ELECTRICAL SPECIFICATION FOR ADDITIONAL INFORMATION.
- DUPLEX RECEPTACLES WITH TWO 5V, 3.6A USB CHARGING PORTS. PROVIDE COLOR AS REQUIRED IN 15A OR 20A CONFIGURATION AND/OR TAMPER RESISTANT AND/OR HOSPITAL GRADE AS REQUIRED BY PLANS AND THE WIRING DEVICES SECTION OF THE GENERAL ELECTRICAL SPECIFICATIONS. (PASS & SEYMOUR OR EQUAL BY HUBBELL OR LEVITON.)
- QUAD RECEPTACLES WITH TWO 5V, 3.6A USB CHARGING PORTS. PROVIDE COLOR AS REQUIRED IN 15A OR 20A CONFIGURATION AND/OR TAMPER RESISTANT AND/OR HOSPITAL GRADE AS REQUIRED BY PLANS AND THE WIRING DEVICES SECTION OF THE GENERAL ELECTRICAL SPECIFICATIONS. (PASS & SEYMOUR OR EQUAL BY HUBBELL OR LEVITON.)
- J — JUNCTION BOX, WALL MOUNTED AT +18-INCHES A.F.F. OR AS NOTED. 4S/DP MINIMUM OR AS REQUIRED BY N.E.C. OR CEC, WHERE ADOPTED.
- J — JUNCTION BOX, MOUNTED IN ACCESSIBLE CEILING FOR APPLICATION DENOTED ON PLAN. 4S/DP MINIMUM OR AS REQUIRED BY N.E.C. OR CEC, WHERE ADOPTED.
- J — JUNCTION BOX, WALL MOUNTED AT 6-INCHES ABOVE COUNTER OR SPLASH. 4S/DP MINIMUM OR AS REQUIRED BY N.E.C., OR CEC, WHERE ADOPTED.
- J — JUNCTION BOX, 4S MINIMUM OR AS REQUIRED BY N.E.C., OR CEC, WHERE ADOPTED. MOUNTED IN ACCESSIBLE CEILING SPACE PER PLAN FOR FLEXIBLE CONNECTION TO PRE-WIRED FURNITURE SYSTEM. MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX SYMBOL. WHEN SHOWN WITH A DIAGONAL SLASH, THE LAST GENERAL RECEPTACLE CIRCUIT ON THE HOME-RUN CALL OUT SHALL BE CONTROLLED BY THE OCCUPANCY SENSOR. COORDINATE CONTROLLED CIRCUIT CONNECTION REQUIREMENTS WITH FURNITURE SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. SEE DISTRIBUTED LIGHTING CONTROLS FOR ADDITIONAL REQUIREMENTS.
- J — JUNCTION BOX, WALL MOUNTED AT +18-INCHES A.F.F., 4S/DP MINIMUM OR AS REQUIRED BY N.E.C., OR CEC, WHERE ADOPTED, FOR FLEXIBLE CONNECTION TO PREWIRED FURNITURE SYSTEM. WHEN SHOWN WITH A DIAGONAL SLASH, THE LAST GENERAL RECEPTACLE CIRCUIT ON THE HOME-RUN CALLOUT SHALL BE CONTROLLED BY THE OCCUPANCY SENSOR. COORDINATE CONTROLLED CIRCUIT CONNECTION REQUIREMENTS WITH FURNITURE SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. SEE DISTRIBUTED LIGHTING CONTROLS FOR ADDITIONAL REQUIREMENTS.
- SURFACE MOUNTED MULTI-OUTLET ASSEMBLY. REFER TO GENERAL PRODUCT SPECIFICATIONS. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE INSTALLATION.
- T — THERMOSTAT OUTLET BOX, PROVIDE 1/2" C.O. TO RESPECTIVE MECHANICAL UNIT.
- EXHAUST FAN, OR MOTOR LOAD. REFER TO MECHANICAL, PLUMBING OR KITCHEN DRAWINGS FOR SPECIFIC LOAD REQUIREMENTS OR AS NOTED.
- FLUSH MOUNTED ELECTRICAL PANELBOARD OR LOAD CENTER. REFER TO PANEL SCHEDULE.
- SURFACE MOUNTED ELECTRICAL PANELBOARD OR LOAD CENTER. REFER TO PANEL SCHEDULE.
- DISTRIBUTION SWITCHBOARD. REFER TO SINGLE LINE DIAGRAM.
- T — TRANSFORMER, REFER TO SINGLE LINE DIAGRAM.
- F — FUSED DISCONNECT SWITCH, HP RATED, OR COMBINATION MOTOR STARTER/DISCONNECT SWITCH WITH FUSES PER EQUIPMENT MANUFACTURER AND WEATHERPROOF AS REQUIRED. PROVIDE FINAL CONNECTION TO UNIT EQUIPMENT. SEE MOTORIZED EQUIPMENT SCHEDULE FOR DISCONNECT AND STARTER SIZES.
- NON-FUSED DISCONNECT SWITCH, HP RATED AND WEATHERPROOF AS REQUIRED. PROVIDE FINAL CONNECTION TO UNIT EQUIPMENT. SEE MOTORIZED EQUIPMENT SCHEDULE FOR DISCONNECT SIZES.
- M — UTILITY COMPANY METER. PROVIDE "CT's" AND "PT's" AS REQUIRED, REFER TO SINGLE LINE DIAGRAM.
- A B C — CIRCUIT BREAKER: "A" REPRESENTS CIRCUIT BREAKER AMPERE RATING, "B" REPRESENTS NUMBER OF POLES AND "C" REPRESENTS MISCELLANEOUS BREAKER FEATURES.
  - SHUNT= PROVIDE SHUNT TRIP MECHANISM
  - GFP= GROUND FAULT PROTECTION
  - CLCB= CURRENT LIMITING CIRCUIT BREAKER
  - SS= PROVIDE SOLID STATE CIRCUIT BREAKER
  - LO= PROVIDE PERMANENT LOCK-OPEN (OFF) HARDWARE
  - LC= PROVIDE PERMANENT LOCK-CLOSED (ON) HARDWARE
- A B C D — FUSIBLE SWITCH: "A" REPRESENTS SWITCH/FRAME AMPERE RATING, "B" REPRESENTS THE FUSE AMPERE RATING, "C" INDICATES NUMBER OF POLES AND "D" REPRESENTS MISCELLANEOUS FUSE/SWITCH FEATURES.
  - SHUNT= PROVIDE SHUNT TRIP MECHANISM
  - GFP= GROUND FAULT PROTECTION
  - CLF= CURRENT LIMITING FUSE
- GROUND CONNECTION, SIZE AS INDICATED OR AS REQUIRED.
- $a,b — SINGLE POLE SWITCHES, WALL MOUNTED. SUBSCRIPTS AT SYMBOL INDICATE THE FOLLOWING:

2 - DOUBLE POLE	LV - LOW VOLTAGE	RL - ROTARY LOCK KEY TYPE
3 - THREE WAY	P - PILOT LIGHT	PB - PUSHBUTTON
4 - FOUR WAY	R - REMOTE CONTROL	S - PROJECTION SCREEN
K - KEY OPERATED	M - MOTOR STARTING	

a, b, c, ETC. - DESIGNATES QUANTITY OF SWITCHES AT EACH LOCATION.
NOTE: ALL WALL SWITCHES CONTROLLING EMERGENCY CIRCUITS SHALL BE ENGRAVED WITH "EMERGENCY".

- EMERGENCY POWER OFF STATION, WALL MOUNTED PER EPO SYSTEM DETAIL.
- PB , OR P — PULLBOX, SIZED PER N.E.C. OR AS NOTED.

WALL MOUNTED DEVICE MOUNTING HEIGHT NOTE:

ALL WALL-MOUNTED EQUIPMENT MOUNTING HEIGHTS SHALL BE VERIFIED PRIOR TO ROUGH-IN PER REQUIREMENTS OF THE DEVICE ALIGNMENT AND MOUNTING HEIGHT DETAILS AND SPECIFICATIONS.

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tk1sc Job #: B2203326.000

REGISTERED PROFESSIONAL ENGINEER
RAYMOND W. SWARTZ
No. E15610
Exp. 12/31/2023
ELECTRICAL
STATE OF CALIFORNIA

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
SYMBOLS LIST

DSA SUBMITTAL

FILE NO.: 15-H3 — A NO.: 03-123508

DATE: 2023.09.18 — CLIENT PROJ NO: 3566002103

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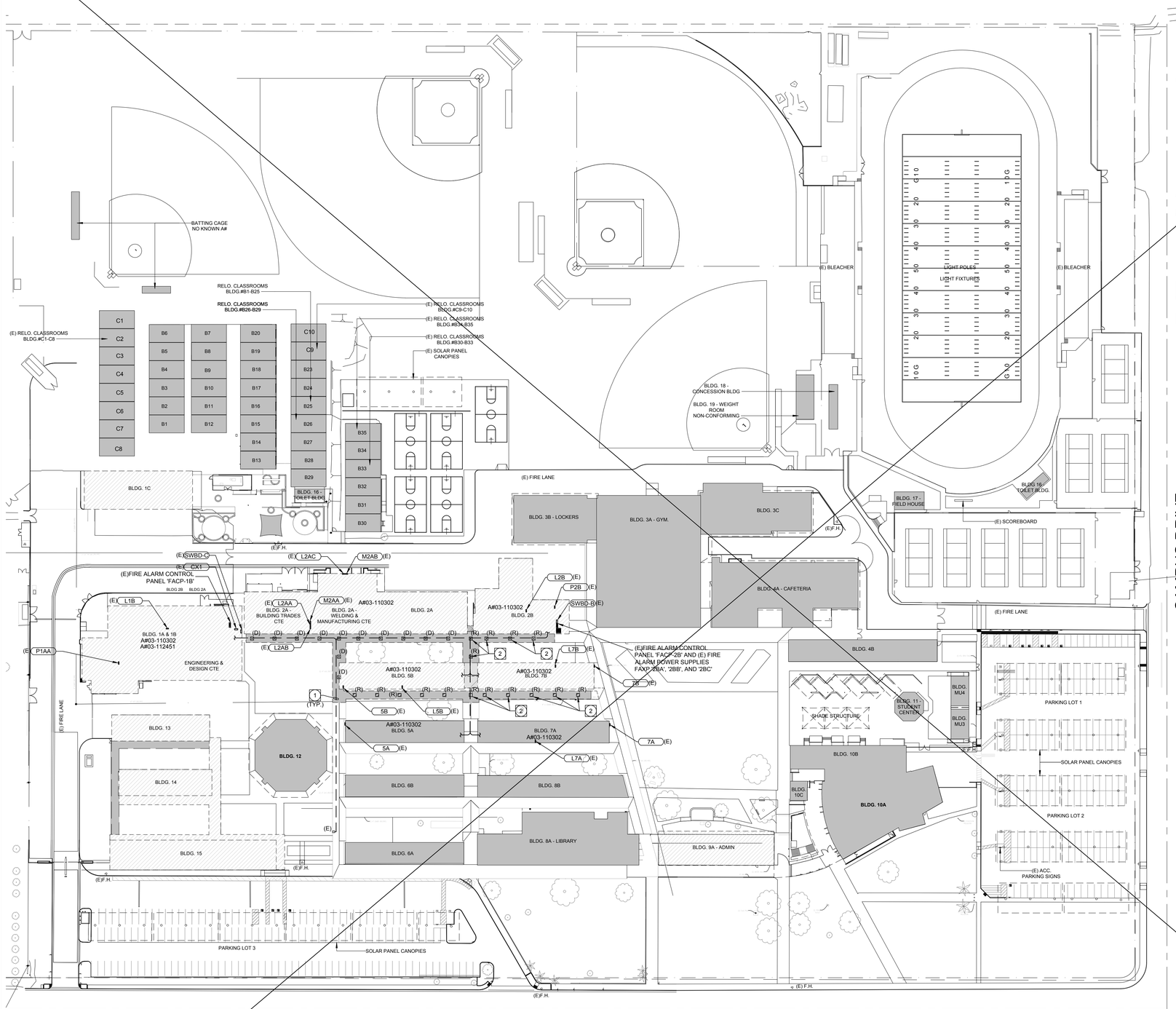

PLAN NOTES:

1. DEMO EXISTING FIRE ALARM CONDUIT.
2. RELOCATE EXISTING 3/4" C - 2#10 , #10G TO REMAINING CANOPY PORTION. RECONNECT TO RELOCATED LIGHTING AND EXISTING CIRCUIT/CONTROL AS REQUIRED FOR A COMPLETE OPERATIONAL LIGHTING SYSTEM.

GENERAL DEMOLITION NOTES:

1. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE LOCATION OF EQUIPMENT OR OUTLETS. SEE ARCHITECTURAL PLANS, WHERE PROVIDED ON PROJECT, FOR EXTENT OF DEMOLITION.
2. THE EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT SITE PRIOR TO SUBMITTING BID. ALL DEMOLITION, ALTERATION, EXTENSION, RELOCATION, REHABILITATION WORK SHALL BE INCLUDED IN CONTRACT. NO ADDITIONAL ALLOWANCE OR CHANGE ORDERS WILL BE ACCEPTED.
3. CONTRACTOR IS RESPONSIBLE TO RELOCATE OR REMOVE FROM WALLS, CEILINGS, FLOOR SPACES, ETC. ANY EXISTING CONDUITS, WIRES, BOXES, FITTINGS, FIXTURES OR OTHER ELECTRICAL EQUIPMENT WHICH INTERFERES WITH PLANNED REMODEL WORK. PROVIDE CIRCUIT CONTINUATION REQUIRED FOR ALL EXISTING OUTLETS, FIXTURES, EQUIPMENT, ETC. SCHEDULED TO REMAIN.
4. NOTIFY THE ENGINEER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, OR NOT INDICATED ON "AS-BUILT" DRAWINGS OR WAS BURIED UNDERGROUND OR EMBEDDED IN STRUCTURE WALLS.
5. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE SMALLER AREA IF POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
6. EQUIPMENT, MATERIALS AND SUPPLIES TEMPORARILY REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
7. DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT SITE, AND NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE.
8. DO ALL DRILLING, CUTTING, ETC. REQUIRED TO DEMOLISH ELECTRICAL WORK AS INDICATED OR PROVIDE BLANK COVER PLATE ON ALL OUTLETS EXPOSED BY REMOVAL OF FIXTURE OR DEVICES.
9. RESEAL ALL PENETRATIONS OR OPENING THROUGH WALLS, CEILING, FLOORS, ETC., TO MAINTAIN THE RATING OF STRUCTURE.
10. ALL REMOVED MATERIALS AND EQUIPMENT WHICH IS SALVAGED MATERIALS SHALL REMAIN IN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGED. DISPOSE OF ALL HAZARDOUS MATERIAL PER GUIDELINE OF THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES AND OTHER AGENCIES HAVING JURISDICTION.
11. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT/WIRING RUNS, REUSE AS REQUIRE AND REMOVED ALL UNUSED CONDUIT/WIRING. UNUSED CONDUIT IN INACCESSIBLE LOCATIONS (WALLS TO REMAIN) CAN BE ABANDONED IN PLACE. REMOVE UNUSED WIRING.
12. CONTRACTOR TO VERIFY CIRCUIT NUMBER AND LOADS FOR ALL EXISTING EQUIPMENT PRIOR TO INSTALLATION OF NEW OR RELOCATED ELECTRICAL EQUIPMENT. REASSIGN CIRCUITS AND LOADS ACCORDINGLY. PROVIDE COMPLETE "AS BUILT" DRAWINGS AND TYPEWRITTEN DIRECTORIES FOR PANELS.
13. WHERE NECESSARY TO SHUT OFF UTILITY SERVICES OR CAUSE INTERRUPTION TO POWER OR SIGNAL SYSTEMS WHILE A BUILDING IS OCCUPIED OR THAT EFFECT ADJACENT BUILDINGS, SCHEDULE OUTAGES OR INTERRUPTIONS WITH THE OWNER, BUILDING OCCUPANTS AND/OR ADJACENT BUILDING OWNER(S) AND OCCUPANTS PRIOR TO CONDUCTING OUTAGE(S) OR INTERRUPTIONS.
14. REFER TO ARCHITECTURAL DEMOLITION DRAWING FOR DEMOLITION AREAS. THE SCOPE OF THE DEMOLITION SHALL INCLUDE ALL LABOR, EXISTING ELECTRICAL EQUIPMENT. VERIFY EXACT SCOPE PRIOR TO COMMENCING WORK. REFER TO DEMO PLAN FOR SPECIFIC AREAS NOT IN SCOPE THE SCOPE INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
    - A. LIGHTING: CONTRACTOR TO PROTECT IN PLACE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONTROLS, U.O.N.
    - B. POWER: EXISTING POWER SHALL REMAIN, U.O.N.
    - C. ALL EXISTING ELECTRICAL SWITCHGEAR, PANELBOARDS, PULLBOXES, ETC. SHALL REMAIN, U.O.N.
    - D. SIGNAL: CONTRACTOR TO PROTECT IN PLACE ALL EXISTING SIGNAL SYSTEMS (CLOCKS, DATA OUTLETS, TELEPHONE OUTLETS, TELEVISION OUTLETS, SPEAKERS, ETC.)
    - E. FIRE ALARM: CONTRACTOR TO PROTECT IN PLACE ALL EXISTING FIRE ALARM DEVICES, U.O.N.
    - F. EXTERIOR LIGHTING: CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING EXTERIOR LIGHTING FIXTURES AND ASSOCIATED CONTROLS, U.O.N.
    - G. EXTERIOR POWER, SIGNAL AND FIRE ALARM: CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING EXTERIOR POWER, SIGNAL AND FIRE ALARM DEVICES, U.O.N.
15. WHERE NEW PARTITIONS OR OTHER CONSTRUCTION WILL COVER EXISTING, REMAINING OUTLETS MAKING THEM INACCESSIBLE, RELOCATE THESE OUTLETS AS REQUIRED, OR MAKE OTHER PROVISIONS SO THAT THE OUTLETS WILL REMAIN ACCESSIBLE AND OPERATIONAL.
16. WHERE EXISTING WALLS AND CEILINGS ARE TO REMAIN, PROVIDE BLANK COVER PLATES FOR OUTLETS WHERE EQUIPMENT OR DEVICES ARE REMOVED UNDER THIS CONTRACT. PRIME BLANK PLATES AND PAINT TO MATCH SURROUNDING AREA.
17. WHERE FIXTURES, EQUIPMENT, DEVICES, ETC. ARE SPECIFIED BY THE CONTRACT DOCUMENTS FOR REMOVAL, THE CONTRACTOR SHALL REMOVE ALL CIRCUIT CONDUCTORS/CABLING BACK TO THE NEAREST REMAINING JUNCTION BOX AND/OR POINT OF TERMINATION.
18. RELOCATE EXISTING CONDUITS AND/OR CONDUCTORS/CABLING ROUTING THROUGH AREAS WHERE NEW/REMOVED WALLS ARE SPECIFIED.
19. RELOCATION AND/OR REMOVAL OF EXISTING EQUIPMENT, DEVICES, OUTLETS BOXES, CONDUIT, WIRING, ETC. MAY AFFECT THE OPERATION OF EXISTING, REMAINING ELECTRICAL EQUIPMENT/DEVICES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MATERIALS AS REQUIRED TO MAINTAIN AND/OR RESTORE CONTINUITY OF SERVICES TO EXISTING REMAINING ELECTRICAL/DEVICES.
20. DISCONNECT ABANDONED CIRCUITS AT EXISTING PANEL BOARDS AND REMOVE WIRE TO LAST REMAINING DEVICES. LABEL ALL ABANDONED CIRCUIT BREAKERS "SPARE".

SITE PLAN - DEMOLITION

1" = 60'-0"

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Project Leader - Nikolas Bruno
Electrical Lead - Nikolas Bruno
tk1sc Job #: B2203326.000

REGISTERED PROFESSIONAL ENGINEER
RAYMOND W. SWAYZE
No. E15610
Exp. 12/31/2023
ELECTRICAL
STATE OF CALIFORNIA

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
DEMO SITE PLAN

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

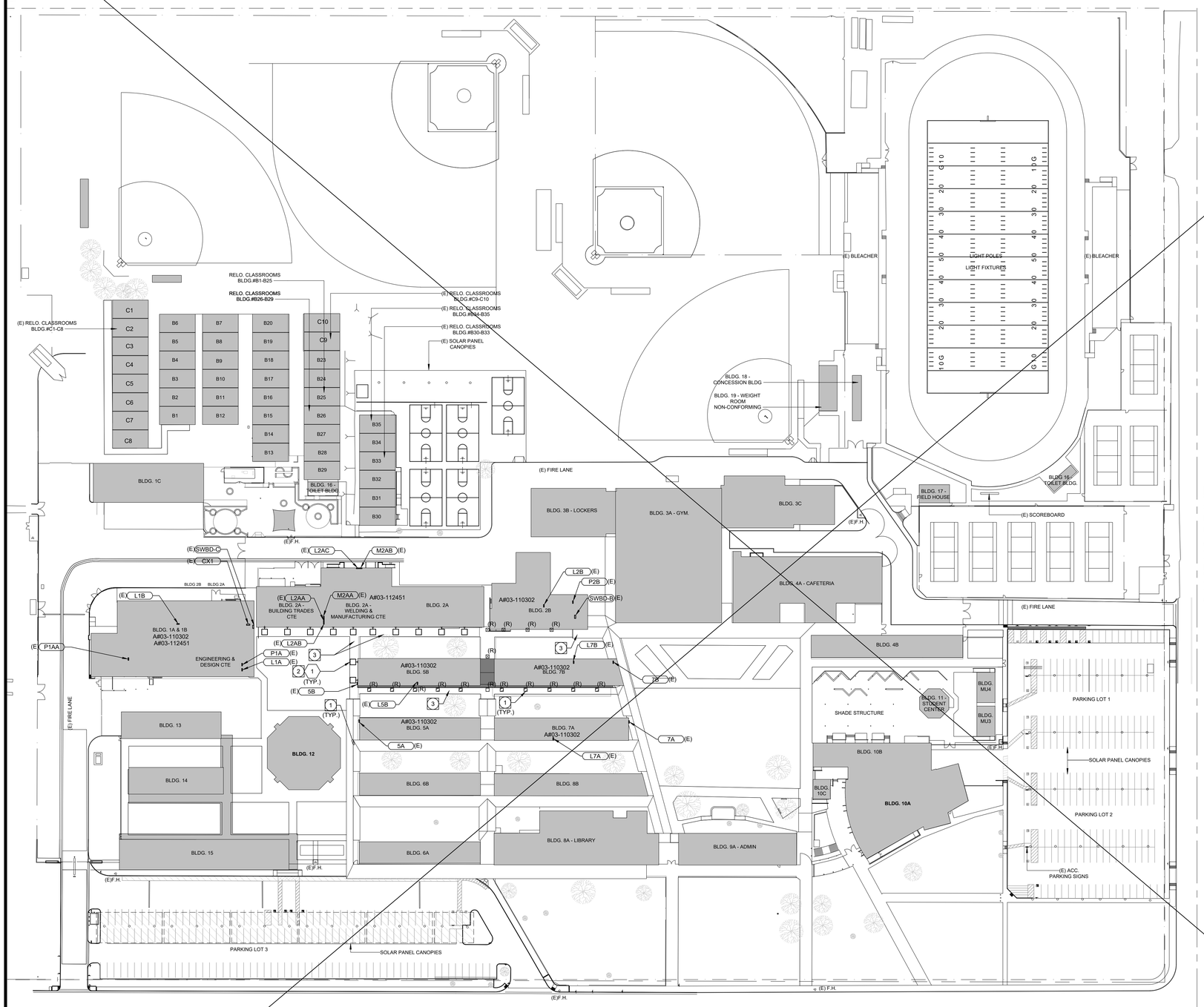
SHEET:
E1.00

PLAN NOTES:

1. RELOCATE EXISTING 3/4" C - 2#10 , #10G TO REMAINING CANOPY PORTION. RECONNECT TO RELOCATED LIGHTING AND EXISTING CIRCUIT/CONTROL AS REQUIRED FOR A COMPLETE OPERATIONAL LIGHTING SYSTEM.
2. REUSE EXISTING CIRCUIT AND CONTROLS FOR LIGHT FIXTURE.
3. EXISTING COVERED WALKWAY REMOVED PER DEMO PLAN, SEE ARCHITECTURAL SHEETS FOR MORE INFORMATION

SITE PLAN GENERAL NOTES:

1. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
2. CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 422-4133 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" - U.O.N.
4. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. - U.O.N.
5. ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR THAT, AT MINIMUM, MATCHES THE SIZE OF THE ASSOCIATED BRANCH CIRCUIT CONDUCTOR. WHERE MULTIPLE BRANCH CIRCUITS ARE ROUTED/GROUPED TOGETHER, THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
6. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA #3R).
7. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
8. SEE ARCHITECTURAL/LANDSCAPE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE THAT SUCH ITEMS ARE NOT PLACED IN CRITICAL LANDSCAPE PLANTING/HARDSCAPE AREAS.
9. UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BOLD, ALL ELECTRICAL DEVICES SHOWN ARE NEW.



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ELECTRICAL SITE PLAN 1
1" = 60'-0"

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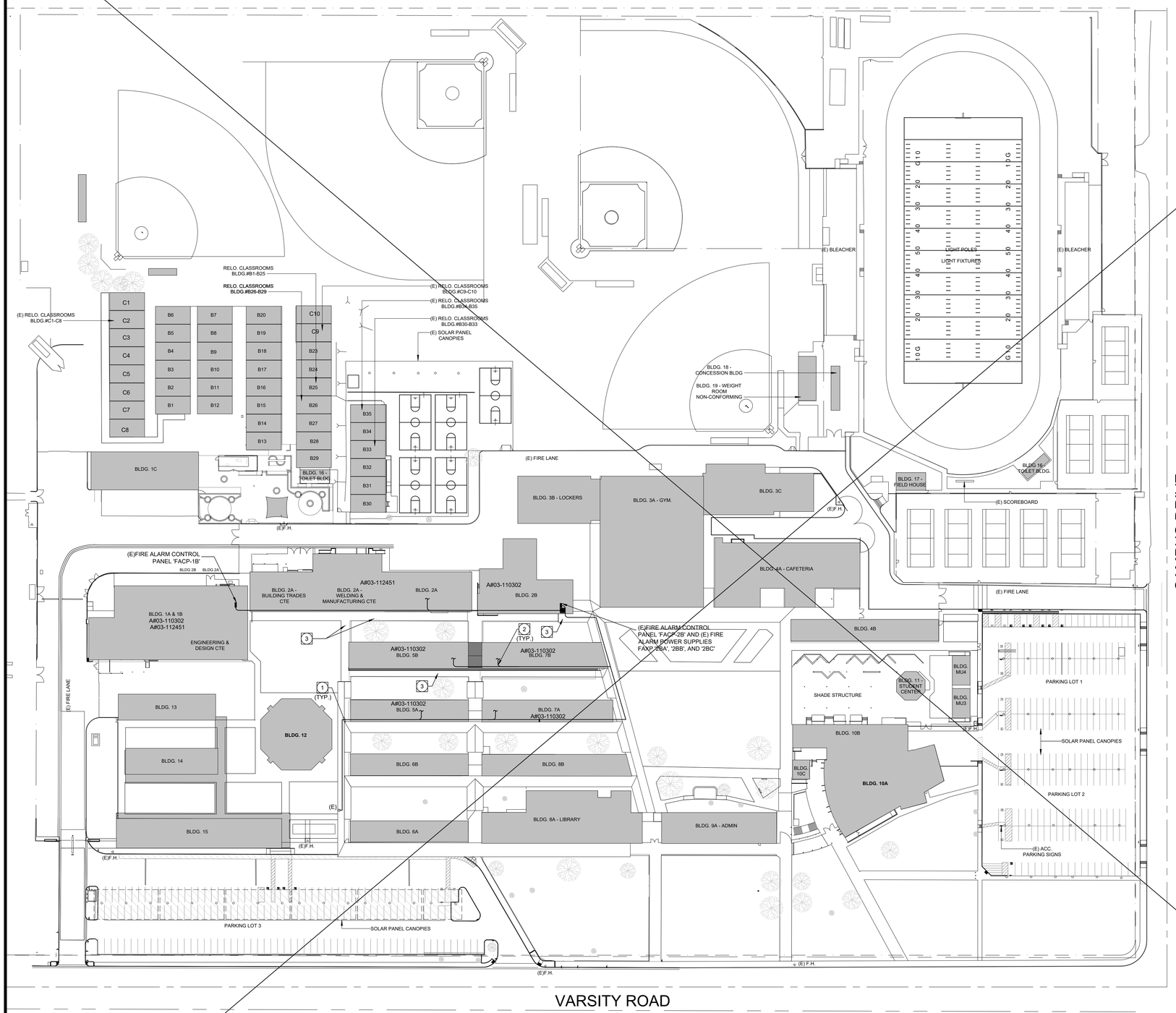

PLAN NOTES:

1. PROVIDE 2"C. WITH FIRE ALARM CONDUCTORS AS REQUIRED. ROUTE CONDUIT MOUNTED ON ROOF/BUILDING CANOPY.
2. PROVIDE NEW 1" FIRE ALARM CONDUIT - 12#10 & TWO-2/C #16CU AND RECONNECT TO EXISTING BUILDING TERMINAL CABINETS WITH NEW CABLING TO MATCH EXISTING. ALL EQUIPMENT SHALL BE TESTED FOR COMPLIANCE WITH INSPECTOR OF RECORD PRIOR TO TURNOVER. RUN FOUR-#12 CONDUCTORS TO LAST DEVICES OF EACH BUILDING.
3. EXISTING COVERED WALKWAY REMOVED PER DEMO PLAN, SEE ARCHITECTURAL SHEETS FOR MORE INFORMATION

SITE PLAN GENERAL NOTES:

1. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
2. CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 422-4133 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" - U.O.N.
4. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. - U.O.N.
5. ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR THAT, AT MINIMUM, MATCHES THE SIZE OF THE ASSOCIATED BRANCH CIRCUIT CONDUCTOR. WHERE MULTIPLE BRANCH CIRCUITS ARE ROUTED/GROUPED TOGETHER, THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
6. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA #3R).
7. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
8. SEE ARCHITECTURAL/LANDSCAPE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE THAT SUCH ITEMS ARE NOT PLACED IN CRITICAL LANDSCAPE PLANTING/HARDSCAPE AREAS.
9. UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BOLD, ALL ELECTRICAL DEVICES SHOWN ARE NEW.

FIRE ALARM SITE PLAN 1 — 1" = 60'-0"

PLEASE RECYCLE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
Tradition of Excellence
Est. 1893

HMC Architects
3566-002-103
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE

tk1sc COLLABORATIVE
11870 Pierce Street, Suite 160
Riverside, California 92505
951.299.4160 www.tk1sc.com
Project Leader - Nikolas Bruno
Electrical Lead - Nikolas Bruno
tk1sc Job #: B2203326.000

REGISTERED PROFESSIONAL ENGINEER
RAYMOND W. GRAUPE
No. E15610
Exp. 12/31/2023
ELECTRICAL
STATE OF CALIFORNIA

KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
FIRE ALARM SITE PLAN

DSA SUBMITTAL

FILE NO.: 15-H3	A NO.: 03-123508
DATE: 2023.09.18	CLIENT PROJ NO: 3566002103

SHEET:

E1.12

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Arvin HS ESSR III	**Report Page:**	**(Page 5 of 7)**
Project Address:	900 Varsity Rd	**Date Prepared:**	7/6/2023

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
		CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft^2)	Allowed Density (W/ft^2)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
EXTERIOR	NonSalesCanopy	4000	0.3	1080	1	20	12	240	240
							Total Design Watts for this Area:	240	
							Total Allowance (Watts) All Areas:	240	

[1] *FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft^2 for these additional lighting allowances.*
[2] *For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.*

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Arvin HS ESSR III	**Report Page:**	**(Page 3 of 7)**
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
1	TYPE 1	☐ Linear	20	Mfr. Spec	12	New	☐	240	NA: < 6200 lumens	☐	☐
							Total Design Watts:	240			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1]*FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
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CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
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This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Biv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Arvin	04	Total Illuminated Hardscape Area (ft^2)	0
02	Climate Zone	13			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
•	All Other Occupancies				

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Biv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No
03	04 / 05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered / Calculations Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%	

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
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P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in the table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail

[1]*FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2]*Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3]*Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of these "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01					
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☐ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M	

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Arvin HS ESSR III	**Report Page:**	**(Page 2 of 7)**
Project Address:	900 Varsity Rd	**Date Prepared:**	7/6/2023

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Biv												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6i (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Biv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
0	+	----	+	----	+	----	+	240	OR	----	=	240	≥	240	COMPLIES
										Shielding Compliance (See Table G for Details)					N/A
										Controls Compliance (See Table H for Details)					Not applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Arvin HS ESSR III	**Report Page:**	**(Page of 7)**
Project Address:	900 Varsity Rd	**Date Prepared:**	7/6/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ray W. Swartz	Documentation Author Signature:
Company: WSP USA	Signature Date: 2023-07-06
Address: 15231 Laguna Canyon Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Irvine CA 92618	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Ray W. Swartz	Responsible Designer Signature:
Company: tk1sc	Date Signed: 2023-07-06
Address: 15231 Laguna Canyon Road	License: E15610
City/State/Zip: Irvine CA 92618	Phone:

TITLE 24 PROCEDURES FOR TESTING AND ADJUSTING

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ASSOCIATED WITH FINAL INSPECTION AND APPLICABLE ACCEPTANCE REQUIREMENT PROCEDURES. INCLUDE ALL COSTS IN THE BASE BID. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION INSPECTION, MEASUREMENTS, MONITORING, FUNCTIONAL TESTING, CALIBRATING, ETC. CONTRACTOR SHALL ASSUME THE ROLE OF "FIELD TECHNICIAN" AND "RESPONSIBLE PERSON" AS DEFINED IN STATE OF CALIFORNIA 2022 BUILDING ENERGY EFFICIENCY STANDARDS NONRESIDENTIAL COMPLIANCE MANUAL SECTIONS 13.1.2.2 AND 13.1.2.3.

LIGHTING CONTROL ACCEPTANCE TESTING AND ADJUSTING PROCEDURES - REFER TO NRCA-LTI-02-A DOCUMENTS.

AUTOMATIC DAYLIGHT CONTROL ACCEPTANCE TESTING AND ADJUSTING PROCEDURES - REFER TO NRCA-LTI-03-A DOCUMENTS.

DEMAND RESPONSE LIGHTING CONTROL ACCEPTANCE TESTING AND ADJUSTING PROCEDURES - REFER TO NRCA-LTI-04-A DOCUMENTS.

INSTITUTIONAL TUNING PAF ACCEPTANCE TESTING AND ADJUSTING PROCEDURES - REFER TO NRCA-LTI-05-A DOCUMENTS.

OUTDOOR LIGHTING CONTROL ACCEPTANCE TESTING AND ADJUSTING PROCEDURES - REFER TO NRCA-LTO-02-A DOCUMENTS.

ALL LIGHTING CONTROLS TESTING AND ADJUSTING DOCUMENTS NOTED ABOVE ARE AVAILABLE FROM THE CALIFORNIA ENERGY COMMISSION WEB SITE AT:
https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-5

TITLE 24 GENERAL NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ASSOCIATED WITH FINAL INSPECTION AND APPLICABLE ACCEPTANCE REQUIREMENT PROCEDURES. INCLUDE ALL COSTS IN THE BASE BID. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION INSPECTION, MEASUREMENTS, MONITORING, FUNCTIONAL TESTING, CALIBRATING, ETC. CONTRACTOR SHALL ASSUME THE ROLE OF "FIELD TECHNICIAN" AND "RESPONSIBLE PERSON" AS DEFINED IN STATE OF CALIFORNIA 2022 BUILDING ENERGY EFFICIENCY STANDARDS NONRESIDENTIAL COMPLIANCE MANUAL SECTION 14.1.2.

SEE STATE OF CALIFORNIA 2022 BUILDING ENERGY EFFICIENCY STANDARDS SECTIONS 10-103(a)3A AND 10-103(a)3B AND SECTION 130.4 FOR MORE INFORMATION.

SEE STATE OF CALIFORNIA 2022 BUILDING ENERGY EFFICIENCY STANDARDS NONRESIDENTIAL COMPLIANCE MANUAL CHAPTER 14 FOR MORE DETAILED REQUIREMENTS / INFORMATION.

SEE STATE OF CALIFORNIA 2022 BUILDING ENERGY EFFICIENCY STANDARDS RESIDENTIAL COMPLIANCE MANUAL CHAPTER 2 FOR MORE DETAILED REQUIREMENTS / INFORMATION.

PROVIDE COMPLETED INSTALLATION CERTIFICATE(S) AND CERTIFICATE(S) OF ACCEPTANCE AS REQUIRED TO THE SATISFACTION OF THE ENFORCEMENT AGENCY.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123508 INC:
REVIEWED FOR
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ISSUE

Δ	DESCRIPTION	DATE

tk1sc COLLABORATIVE
11870 Pierce Street, Suite 160
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REGISTERED PROFESSIONAL ENGINEER
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KEYNOTES

FACILITY:
Arvin High School
900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
TITLE 24 EXTERIOR

DSA SUBMITTAL

FILE NO.: 15-H3 **A NO.: 03-123508**

DATE: **2023.09.18** CLIENT PROJ NO: **3566002103**

SHEET:

E2.12

PLEASE RECYCLE

LIGHTING FIXTURE SCHEDULE NOTES:

A. GENERAL NOTES:

1. THE LIGHTING FIXTURES, LAMPS, BALLASTS, POWER SUPPLIES, DRIVERS AND TRANSFORMERS FOR THIS PROJECT HAVE BEEN SPECIFIED TO ENSURE THAT SPECIFIC AESTHETIC AND PERFORMANCE REQUIREMENTS WILL BE SATISFIED. THESE PRODUCTS HAVE BEEN CAREFULLY RESEARCHED AND EACH SPECIFIED ITEM HAS UNIQUE QUALITIES WHICH WERE DETERMINED TO BE ESSENTIAL IN SATISFYING THE OWNER'S, ARCHITECT'S, ENGINEER'S AND LIGHTING CONSULTANT'S DESIGN CRITERIA.
2. CONTRACTOR SHALL PROVIDE ALL MATERIALS AS DETAILED ON DRAWINGS AND/OR SCHEDULES, AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATING LIGHTING SYSTEM.
3. CONTRACTOR SHALL NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING CONSULTANT OF ANY PROVISIONS OF THE SPECIFICATION THAT IS IN CONFLICT WITH LOCALLY ENFORCED CODES.
4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY REQUIRED MODIFICATIONS THAT ARE NOT SHOWN ON THE DRAWINGS.
5. ALL ELECTRICAL MATERIAL SHALL BE IN NEW & UNDAMAGED CONDITION WHEN INSTALLED. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
6. ALL DIMENSIONS & MEASUREMENTS FOUND ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VALIDATE ALL DIMENSIONS PRIOR TO ORDERING MATERIAL TO INCLUDE MAKING FIELD MEASUREMENTS BASED ON ACTUAL SITE CONDITIONS TO DEVELOP COMPLETE ORDERS AND INSTALL SYSTEMS PER DRAWINGS AND SPECIFICATIONS.
7. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES AND ASSOCIATED DEVICES AND EQUIPMENT.
8. PRIOR TO AIMING/ADJUSTING ACTIVITIES, COMMISSIONING OR PUNCHWALK COMMENCEMENT, CONTRACTOR SHALL PROPERLY TEST AND VERIFY ALL CIRCUITRY AND CONTROL WIRING AND IMPLEMENT ALL CONTROLS PROGRAMMING.

B. INSTALLATION:

1. LOCATIONS OF THE FIXTURES SHALL BE PER THE ARCHITECTURAL REFLECTED CEILING PLAN(S) AND SHALL BE COORDINATED AT TIME OF ROUGH IN. CONFLICTS BETWEEN THE ARCHITECTURAL REFLECTED CEILING PLAN(S) AND THE ELECTRICAL/LIGHTING DESIGN PLAN(S) SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO ORDERING FIXTURES.
2. LIGHTING DRAWINGS REPRESENT THE DESIGN INTENT OF THE EQUIPMENT, DEVICES, ETC. TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE CONNECTED. CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES AND ADDITIONAL HARDWARE AND DEVICES AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
3. ALL LIGHTING FIXTURES SHALL BE MOUNTED AND INDIVIDUALLY SUPPORTED IN ACCORDANCE WITH APPLICABLE CODES. FIXTURES SHALL BE FURNISHED AND INSTALLED WITH ALL REQUIRED MOUNTING DEVICES, HARDWARE AND ACCESSORIES.
4. CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING HARDWARE IS COMPATIBLE WITH APPROVED MOUNTING CONDITIONS. MOUNTING CONDITIONS MUST ALLOW FOR AIMING AND ADJUSTING OF LIGHTING FIXTURES ON SITE.
5. CONTRACTOR TO INCLUDE AIMING/ADJUSTING LABOR AFTER DARK AS REQUIRED FOR ANY ADJUSTABLE LIGHTING FIXTURE AND FOR EACH INDIVIDUAL LIGHTING FIXTURE HEAD OR LAMP HOLDER IN A MULTI-FIXTURE/MULTI-LAMP ASSEMBLY. LIGHTING FIXTURES TO BE AIMED/ADJUSTED PER THE DIRECTION OF OWNER, ARCHITECT AND/OR LIGHTING CONSULTANT.
6. CONTRACTOR TO SUPPLY ADEQUATE SUPPORT INCLUDING LADDERS, LIFTS OR OTHER EQUIPMENT REQUIRED TO ACCESS LIGHTING FIXTURES AT THE TIME OF FOCUS, INCLUDING EVENING OR NIGHT WORK AS MAY BE REQUIRED DUE TO SCHEDULE CONFLICT OR DAYLIGHT IMPACT. AIMING/ADJUSTING LABOR SHALL BE PREPARED FOR WORK WITH COMMON HAND TOOLS TO MAKE ADJUSTMENTS AND MINOR REPAIRS DURING AIMING.
7. ALL COVE MOUNTED LIGHTING FIXTURES SHALL EXTEND THE FULL LENGTH OF THE COVE. CONTRACTOR TO FIELD MEASURE COVE LENGTH AND ORDER QUANTITY OF LIGHTING FIXTURES AS REQUIRED. PROVIDE COMPLETE MANUFACTURER SHOP DRAWINGS OF BUILT-IN COVE OR LINEAR LIGHTING SYSTEMS.
8. CONTRACTOR TO REPLACE ALL INOPERATIVE LAMPS, LED ARRAYS OR SYSTEMS AT THE END OF THE CONSTRUCTION PHASE PRIOR TO THE FOCUS AND PROGRAMMING PHASE AND AGAIN PRIOR TO OWNER OCCUPANCY OR PROJECT OPENING.
9. ALL POLE MOUNTED FIXTURES, POST MOUNTED FIXTURES AND BOLLARDS SHALL BE PROVIDED WITH A STRUCTURAL FOOTING AS DETAILED ELSEWHERE IN THE DRAWINGS. FOOTING SIZE TO BE PROVIDED BY STRUCTURAL ENGINEER. REFERENCE FIXTURE SCHEDULE AND DETAILS FOR MORE INFORMATION.
10. ALL EXIT SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LOCAL FIRE PREVENTION CODE AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY HARDWARE SUCH THAT ALL EXIT SIGNS ARE INSTALLED IN AN APPROVED VISIBLE LOCATION. THE CONTRACTOR SHALL VERIFY CHEVRONS AND NUMBER OF FACES PER EXIT SIGN WITH ARCHITECTURAL REFLECTED CEILING PLAN(S). ANY DISCREPANCIES BETWEEN EXIT SIGNS DEPICTED ON ARCHITECTURAL AND ELECTRICAL PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING EXIT SIGNS.

C. SUBMITTALS AND SUBSTITUTIONS:

1. CONTRACTOR TO SUBMIT FOR APPROVAL ON THE PRODUCTS THEY INTEND TO FURNISH WITHIN TEN (10) DAYS OF AWARD OF CONTRACT. FAILURE TO SUBMIT WITHIN DEADLINE CONSTITUTES A GUARANTEE THAT ONLY THE BASE SPECIFIED PRODUCTS WILL BE SUPPLIED AND THAT NO OTHER PRODUCTS, WHETHER LISTED AS ALTERNATES OR NOT, WILL BE CONSIDERED.
2. CONTRACTOR TO PROVIDE A SUBMITTAL/SHOP DRAWING SUBMITTAL FOR EACH LIGHTING FIXTURE TYPE INCLUDING ACCESSORIES, BALLAST(S), POWER SUPPLIES, DRIVER(S) TRANSFORMER(S), AND INTEGRAL EMERGENCY BATTERIES AND TEST SWITCHES. ANY LIGHTING FIXTURE SUBMITTAL PROVIDED WITHOUT SPECIFIC LIGHTING FIXTURE'S ACCESSORIES, BALLAST, POWER SUPPLY, DRIVER, TRANSFORMER OR BATTERY INFORMATION SHALL BE REJECTED AS INCOMPLETE.
3. SUBSTITUTIONS OF THE SPECIFIED PRODUCTS ARE STRICTLY PROHIBITED – UNLESS APPROVED AS STATED HEREIN, LIGHTING FIXTURE SUBSTITUTIONS SHALL BE FORMALLY PRESENTED TO THE ELECTRICAL ENGINEER AND/OR LIGHTING CONSULTANT, BY APPOINTMENT ONLY, AT LEAST TEN (10) WORKING DAYS PRIOR TO BID TIME. THE SUBMITTAL MATERIAL SHALL INCLUDE THE FOLLOWING ITEMS.
   a. A COMPLETE AND OPERATING SAMPLE, WIRED FOR 120V OPERATION, WITH LAMP, CORD AND PLUG.
   b. A COMPLETE PHOTOMETRIC REPORT, FOR THE PROPOSED SUBSTITUTE PRODUCT, USING THE SPECIFIED LAMP OR LED TYPE AND WATTAGE, INCLUDING TABULATED CANDLEPOWER VALUES, COEFFICIENT OF UTILIZATION, AND AN ISO-FOOT-CANDLE DIAGRAM. PRORATED DATA WILL NOT BE ACCEPTABLE. THE PHOTOMETRIC REPORT MUST BE DONE IN ACCORDANCE WITH PUBLISHED I.E.S. TESTING PROCEDURES AND CERTIFIED BY A REGISTERED ELECTRICAL ENGINEER.
   c. A CURRENT ORIGINAL CATALOG DATA SHEET WITH LIGHTING FIXTURE CATALOG NUMBERS. MODIFIED DATA SHEETS WILL NOT BE ACCEPTABLE.
   d. A SIGNED COPY OF THE "SUBSTITUTION COMPLIANCE FORM", LOCATED IN THE DIVISION 1 SPECIFICATION, STATING THAT IF THE PROPOSED SUBSTITUTION IS ACCEPTED, THE PROJECT SCHEDULE WILL NOT BE NEGATIVELY AFFECTED. IF THE COMPLETION OF THE PROJECT IS DELAYED BECAUSE OF THE APPROVED SUBSTITUTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYMENT OF ANY ESTABLISHED LIQUIDATED DAMAGES.
   e. FOR SPECIFIC INTERIOR FIXTURE SUBSTITUTIONS, WHEN DIRECTED BY THE ELECTRICAL ENGINEER AND/OR LIGHTING CONSULTANT, A POINT-BY-POINT SCALED COMPUTER PRINTOUT SHALL BE PROVIDED VERIFYING THE ILLUMINATION LEVELS FOR THE SPECIFIC INTERIOR AREA. IF THE SUBSTITUTED FIXTURE IS AN EMERGENCY FIXTURE, THE REPORT SHALL BE RUN IN BOTH NORMAL AND EMERGENCY MODES. THIS REPORT SHALL BE CONFIGURED WITH SPECIFIC CONSTRAINTS, AS DIRECTED BY THE ENGINEER OF RECORD. THE REPORT MUST SHOW THAT THE SUBSTITUTED FIXTURE PROVIDES PERFORMANCE EQUAL TO OR BETTER THAN THE LIGHTING LEVELS OF THE SPECIFIED PRODUCT.
   f. FOR ALL EXTERIOR FIXTURE SUBSTITUTIONS, A POINT-BY-POINT SCALED COMPUTER PRINTOUT SHALL BE PROVIDED VERIFYING THE ILLUMINATION LEVELS FOR THE ENTIRE SITE PLAN BASED ON USING THE PROPOSED ALTERNATIVE FIXTURES. THE REPORT MUST SHOW THAT THE SUBSTITUTED FIXTURE PROVIDES PERFORMANCE EQUAL TO, OR BETTER THAN THE LIGHTING LEVELS AND UNIFORMITY RATIOS (MAX:MIN AND AVG:MIN) OF THE SPECIFIED PRODUCT. THIS REPORT SHALL BE CONFIGURED WITH THE FOLLOWING CONSTRAINTS.
      i. THE SPACING INCREMENT OR POINTS ON THE VERIFICATION REPORT SHALL NOT EXCEED TEN (10) FEET IN EITHER DIRECTION.
      ii. THE PHOTOMETRIC CALCULATION SHALL BE BASED ON PROVIDING MAINTAINED FOOT-CANDLE LEVELS USING MEAN LAMP LUMENS AND A LIGHT LOSS FACTOR, AS DIRECTED BY THE ENGINEER OF RECORD.
      iii. THE PHOTOMETRIC CALCULATION SHALL SHOW ANY ADDITIONAL ENERGY AND/OR ENERGY COSTS, FOR A TEN YEAR PERIOD, AS COMPARED TO THE ORIGINALLY SPECIFIED ITEM. THE TOTAL COSTS FOR THESE EXPENSES WILL BE DEDUCTED FROM THE CONTRACT COST.
4. DURING THE BIDDING PROCESS, THE CONTRACTOR SHALL REFER TO THE LIGHTING FIXTURE SCHEDULES ON THE ARCHITECTURAL PLANS (IF PROVIDED ON PROJECT), LIGHTING DESIGN PLANS/SPECIFICATIONS (IF PROVIDED ON PROJECT), AND THE ELECTRICAL PLANS. ANY DISCREPANCIES BETWEEN THEM INCLUDING, BUT NOT LIMITED TO, PART NUMBERS AND FIXTURE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, ELECTRICAL ENGINEER, AND LIGHTING DESIGNER WITH PRE-BID RFI(S). WHERE DISCREPANCIES ARE DISCOVERED WHEN THERE IS INSUFFICIENT TIME TO ISSUE PRE-BID RFI(S), THE BASE BID SHALL INCORPORATE THE MOST COSTLY VERSION OF THE DISCREPANCY AND SHALL BE MEMORIALIZED IN AN RFI OR AS A BID CLARIFICATION. PROVIDING A VOLUNTARY DEDUCTIVE ALTERNATE BID CLARIFYING FIXTURE SCHEDULE DISCREPANCIES IS ALSO AN ACCEPTABLE FORM OF DISCREPANCY DOCUMENTATION.
5. FIXTURE FINISHES:
   a. ALL FIXTURE FINISHES AND COLORS, UNLESS NOTED AS PREMIUM OR CUSTOM, SHALL BE SELECTED FROM THE MANUFACTURERS STANDARD COLOR OPTIONS AS LISTED ON THE FIXTURE SPECIFICATION SHEET. STANDARD FINISH SHALL BE SELECTED BY THE ARCHITECT, INTERIOR DESIGNER OR OWNER. THIS DIRECTION WILL BE PROVIDED IN THE SHOP DRAWING REVIEW PROCESS.
   b. ALL FIXTURES INDICATED WITH A PREMIUM OR CUSTOM COLOR SHALL BE ASSIGNED A CUSTOM COLOR REFERENCE NUMBER (SUCH AS RAL#) OR PROVIDE FIVE (5) PAINT CHIPS FOR MANUFACTURER TO USE TO MATCH COLOR. PREMIUM OR CUSTOM FINISH SHALL BE SELECTED BY THE ARCHITECT, INTERIOR DESIGNER OR OWNER. THIS DIRECTION WILL BE PROVIDED IN THE SHOP DRAWING REVIEW PROCESS.
6. THE LIGHTING FIXTURE MODEL NUMBER MAY INDICATE A FIXTURE OPTION THAT THE CONTRACTOR MUST IDENTIFY PRIOR TO ORDERING/PROVIDING SUBMITTALS, INCLUDING, BUT NOT LIMITED TO: VOLTAGE, MOUNTING CONDITION/HARDWARE, FINISH, DIMMING REQUIREMENTS/BALLAST INFORMATION. GENERALLY, CONTRACTOR-SELECTED OPTIONS ARE DENOTED IN THE PART NUMBER WITH BRACKETS EX: [VOLTS?]
   a. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND PROVIDING ALL HANGERS, CLIPS AND NECESSARY HARDWARE TO INSTALL THE FIXTURE IN THE ENVIRONMENT AS SHOWN ON THE ARCHITECTURAL PLANS. ALL FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED STRUCTURAL SUPPORTS AS REQUIRED BY THE CURRENTLY ADOPTED CODES.
   b. VOLTAGES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING – SEE ELECTRICAL DRAWINGS FOR BRANCH CIRCUIT INFORMATION. IT IS POSSIBLE THAT FIXTURES WILL BE REQUIRED IN VARIOUS VOLTAGES.
7. "NO KNOWN EQUAL" LIGHTING FIXTURE PRICING/BIDDING NOTES:
   a. EACH FIXTURE IDENTIFIED AS "NO KNOWN EQUAL" ON THIS PROJECT SHALL BE BID IN A "LINE ITEM" FORMAT. A PER UNIT MATERIAL COST SHALL BE PROVIDED FOR EACH "NO KNOWN EQUAL" FIXTURE. THIS PRICE SHALL INCLUDE LAMPS AS WELL AS ALL OTHER REQUIRED MATERIALS REQUIRED FOR INSTALLATION. THE FIXTURE PRICE QUOTED WILL BE UTILIZED, PRIOR TO SHOP DRAWING APPROVAL, FOR "ADDING" AND/OR "DELETING" ANY QUANTITY OF THE FIXTURE.
   b. A UNIT COST SHALL BE SUBMITTED FOR EACH "NO KNOWN EQUAL" FIXTURE. SUBMIT THE PRICING AS PART OF THE BID FORM ON A SEPARATE 8 1/2" X 11" SHEET.
   c. FAILURE TO SUBMIT A LINE ITEM FOR EACH "NO KNOWN EQUAL" FIXTURE MAY RESULT IN THE REJECTION, REFUSAL, OR NON-ACCEPTANCE OF THE CONTRACTOR'S BID.
8. FIXTURES IDENTIFIED AS "NO KNOWN EQUAL – OWNER STANDARD" OR "CAMPUS STANDARD" ARE TO BE PROVIDED AS SPECIFIED, WITH SUBSTITUTIONS STRICTLY PROHIBITED. SEE ADDITIONAL NOTES FOR "NO KNOW EQUAL" BIDDING REQUIREMENTS.

D. LIGHTING FIXTURE SPECIFICATIONS:

1. ALL EXTERIOR LIGHTING EQUIPMENT SHALL BE RATED FOR WET LOCATION AND THE IP RATING OF ALL EQUIPMENT, INCLUDING BALLAST, POWER SUPPLY AND TRANSFORMER ENCLOSURES SHALL CONFORM TO THE CONDITIONS IN WHICH THE LIGHTING FIXTURE IS MOUNTED.
2. ALL BALLASTS, POWER SUPPLIES, DRIVERS AND/OR TRANSFORMERS THAT ARE REMOTELY LOCATED SHALL BE INSTALLED AS NEAR TO THE LIGHTING FIXTURE(S) AS POSSIBLE, HIDDEN FROM PUBLIC VIEW IN AN ACCESSIBLE COMPARTMENT THAT IS WELL VENTILATED. CONTRACTOR TO COORDINATE LOCATION(S) WITH ARCHITECT PRIOR TO ROUGH-IN.
3. ALL TRANSFORMERS SHALL BE FUSED ON THE SECONDARY SIDE.
4. COLOR FILTERS SHALL BE GLASS OR DICHROIC UNLESS OTHERWISE INDICATED ON DRAWINGS.
5. CONTRACTOR TO PROVIDE 20% ADDITIONAL COLOR FILTERS FOR EACH COLOR AND SIZE.
6. CONTRACTOR TO VERIFY THAT ALL LIGHTING FIXTURES SPECIFIED WITH A COLOR FILTER ARE SUPPLIED WITH ANY AND ALL ATTACHMENT DEVICES FOR THE FILTER.
7. ALL TRACK LIGHTING FIXTURES SHALL BE PROVIDED WITH THE APPROPRIATE TRACK SYSTEM WHICH SHALL INCLUDE ALL MISCELLANEOUS COMPONENTS REQUIRED, AS WELL A ANY REQUIRED CIRCUIT LIMITERS FOR A COMPLETE INSTALLATION. TRACK LENGTH(S) SHALL BE PER DRAWINGS.

E. DRIVERS / TRANSFORMERS:

1. [OPTION?] IN FIXTURE MODEL NUMBER INDICATE THAT THE FIXTURE DRIVER TYPE AND QUANTITY MUST BE VERIFIED BY THE CONTRACTOR USING FIXTURE CALLOUT INFORMATION AND FIXTURE SWITCHING CONFIGURATION INFORMATION.
2. CONTINUOUS DIMMING AND CONTROLLABLE LED:
   a. PROVIDE CONTROLLABLE LED DIMMING DRIVERS (INTEGRAL OR REMOTE) WITH POWER FACTOR GREATER THAN 0.85 AND MAXIMUM THD OF 20% AT FULL LOAD.
   b. PRIOR TO BID CONTRACTOR TO VERIFY DRIVER COMPATIBILITY WITH DIMMERS, DIMMING CONTROL SYSTEM(S) AND DISTRIBUTED LIGHTING CONTROL SYSTEM(S) WITH RESPECTIVE LIGHTING MANUFACTURER(S) AND LIGHTING/DIMMING CONTROL SYSTEM MANUFACTURERS. IF COMPATIBILITY DOCUMENTATION IS UNAVAILABLE FOR A GIVEN LED FIXTURE/LIGHTING CONTROL SYSTEM COMBINATION, CONTRACTOR SHALL INCLUDE COSTS IN THE BASE BID FOR RESPECTIVE LIGHTING MANUFACTURER AND LIGHTING CONTROLS MANUFACTURER TO TEST/WARRANT COMPATIBILITY OF SAID COMBINATIONS.
   c. CONTINUOUS LED DIMMING DRIVERS SHALL BE AT MINIMUM 4-WIRE 0-10V 10% DIMMING (HOT, NEUTRAL, DIM+, DIM-).

F. EMERGENCY FIXTURES / BATTERY PACKS:

1. LIGHT FIXTURES INDICATED AS EMERGENCY SHALL BE IDENTIFIED / PROVIDED AS FOLLOWS:
   a. INTEGRAL BATTERY PACK (EB):
      3a/3EB – FIXTURE CONNECTED TO CIRCUIT "3", CONTROL SWITCHLEG "a" – WITH THE BATTERY CHARGING LEAD CONNECTED TO A CONSTANT HOT CIRCUIT "3".
      3NL/3EB – FIXTURE CONNECTED TO A CONSTANT HOT CIRCUIT "#3". BATTERY CHARGING LEAD CONNECTED TO A CONSTANT HOT CIRCUIT "3".
   b. REMOTE BACK-UP SOURCE (EM):
      3a/3EM – ROUTED THROUGH A U.L. LISTED TRANSFER RELAY (LC & D #GR-2001E/3) FOR SWITCHED CONTROLS OR A U.L. LISTED TRANSFER SWITCH (BODINE #GTD SERIES DEVICE) FOR DIMMING CONTROLS. CONNECTED TO A CONSTANT HOT EMERGENCY CIRCUIT "3". SEE DISTRIBUTED LIGHTING CONTROL SPECIFICATIONS FOR DEVICE REQUIREMENTS WHEN CONTROLLED BY OCCUPANCY SENSORS.
      3NL/3EM – FIXTURE CONNECTED TO A CONSTANT HOT EMERGENCY CIRCUIT "3".
   c. REMOTE BACK-UP SOURCE (EM) NOTES:
      – ALL REMOTE BACK UP SOURCE (EM) FIXTURES SHALL BE PROVIDED WITH AN IN LINE FUSE. PROVIDE ADDITIONAL LABELING TO INDICATE FIXTURE IS PROTECTED BY A FUSE.
2. EMERGENCY BATTERY PACK NOTES:
   a. PROVIDE INTEGRAL TEST SWITCH / CHARGE LIGHT OPTION FOR ALL EMERGENCY BATTERY PACKS INSTALLED IN LIGHT FIXTURES.
   b. ALL RECESSED DOWNLIGHTS SUPPLIED WITH A BATTERY PACK SHALL BE PROVIDED WITH AN INTEGRAL COMBINATION TEST SWITCH / CHARGING INDICATOR LIGHT- MOUNTED INSIDE THE REFLECTOR. REMOTE TEST SWITCH / CHARGING LIGHTS ARE NOT ALLOWED. THE TEST SWITCH / CHARGING INDICATOR LIGHT SHALL BE SECURELY ATTACHED TO THE REFLECTOR WITH 18" OF SLACK LEADS, FOR EASY REMOVAL OF THE REFLECTOR ASSEMBLY.
   c. ALL BATTERY PACKS AND ALL COMBINATION LED BATTERY PACK/EMERGENCY DRIVERS SHALL BE UL924 LISTED.
   d. PRIOR TO BID, CONTRACTOR SHALL VERIFY WITH FIXTURE MANUFACTURER(S) THAT EMERGENCY BATTERY PACKS ARE MANUFACTURED TO BE INTEGRAL TO FIXTURE HOUSINGS.
   e. SHOULD THE SPECIFIED LED EMERGENCY BATTERY PACK(S) NOT FIT WITHIN A GIVEN FIXTURE(S) OR SHOULD THE FIXTURE NOT BE MANUFACTURED TO ACCOMMODATE A BATTERY PACK, CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID TO LOCATE/CONNECT SELF-TESTING MINI INVERTER(S) (IOTA #ILS SERIES OF BODINE#ELI-S-[WATT?]) REMOTELY FROM THE FIXTURE(S) IN THE NEAREST ELECTRICAL ROOM OR TO LOCATE EMERGENCY BATTERY PACK(S) REMOTELY FROM THE FIXTURE ABOVE THE NEAREST ACCESSIBLE CEILING.
   f. LED BATTERY PACKS SHALL PROVIDE A MINIMUM OF 90 MINUTES OF EMERGENCY ILLUMINATION, AND SHALL BE RATED AT A MINIMUM OF 10 WATTS, OR AS SPECIFIED. WHERE A FIXTURE TYPE IS UNAVAILABLE WITH A 10W BATTERY PACK OR WHERE THE WATTAGE IS NOT SPECIFIED ON THE PLANS, INCLUDE ALL COST IN BASE BID TO PROVIDE THE HIGHEST WATTAGE AVAILABLE ON THE FIXTURE CUTSHEET. ANY LISTED EQUAL FIXTURE OR ANY SUBSTITUTION OFFERED BY THE CONTRACTOR MUST ALSO HAVE BATTERY PACKS CAPABLE OF PRODUCING THE SAME OR MORE LUMENS WHEN ON BATTERY AS OUTLINED ABOVE. ACCEPTABLE MANUFACTURES: BODINE OR IOTA.
   g. TO MAINTAIN UL LISTING OF LED FIXTURE, FIXTURE MANUFACTURER(S) SHALL INSTALL LED EMERGENCY BATTERY PACKS AT THE FACTORY AND OBTAIN A UL LISTING FOR THE FIXTURE WITH EMERGENCY BATTERY PACK. FIELD-INSTALLATION OF LED EMERGENCY BATTERY PACK(S) IS PROHIBITED.
   h. PROVIDE DAMP LOCATION VERSION IN ALL DAMP LABEL INSTALLATIONS.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	MANUFACTURER AND MODEL NUMBER	FIXTURE VA/ WATTS	LAMP/ LAMP OPTION	GENERAL DESCRIPTION
▭	⟨1⟩	LITHONIA TWX1 LED-P2-30K-MVOLT G-WH EQUAL BY: LEDALITE	22	LED/3000	LED WALL PACK, DIE-CAST ALUMINUM HOUSING. IP65 RATED. 3000K. 2,950 LUMEN. UNIVERSAL VOLTAGE. 130 LUMEN PER WATT. – – (EXTERIOR)

SEE GENERAL LIGHTING FIXTURE SCHEDULE NOTES FOR CRITICAL FIXTURE SPECIFICATION AND ORDERING INFORMATION.

PLEASE RECYCLE

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APP: 03-123508 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

KERN HIGH SCHOOL DISTRICT
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Exp. 12/31/2023
ELECTRICAL
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900 Varsity Rd
Arvin, CA 93203

PROJECT:
KHSD Arvin High School ESSER III Phase 1 Roofing Project

SHEET NAME:
LIGHTING FIXTURE SCHEDULE

DSA SUBMITTAL

FILE NO.: 15-H3 | A NO.: 03-123508
DATE: 2023.09.18 | CLIENT PROJ NO: 3566002103
SHEET:

E3.11

PLAN NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE PROTECTED IN PLACE
2. REPLACE EXISTING STROBE WITH NEW HORN STROBE. REUSE EXISTING CIRCUIT. MATCH CANDELA RATING TO PREVIOUS CANDELA RATING.

FIRE ALARM SYMBOL LIST

SYMBOL	DESCRIPTION	MODEL	MANUFACTURER	BACKBOX	MOUNTING HEIGHT	C.S.F.M. NUMBER
H cd	FIRE ALARM HORN/STROBE (WALL)	P2WL (WHITE)	SYSTEM SENSOR	4S DEEP BOX W/ 4S EXTENSION	80" A.F.F. TO BOTTOM	7135-1653:0503

GENERAL FIRE ALARM SYMBOL LIST NOTES:

1. CONFIRM NOTIFICATION DEVICE COLOR (WHITE OR RED) WITH ARCHITECT PRIOR TO ANY ORDER OR INSTALLATION. COLOR TO BE INDICATED IN SHOP DRAWING SUBMITTAL.
2. NUMBER ADJACENT TO VISUAL DEVICES INDICATES MINIMUM CANDELLA RATING OF STROBE DEVICE.

GENERAL FIRE ALARM ABBREVIATIONS:

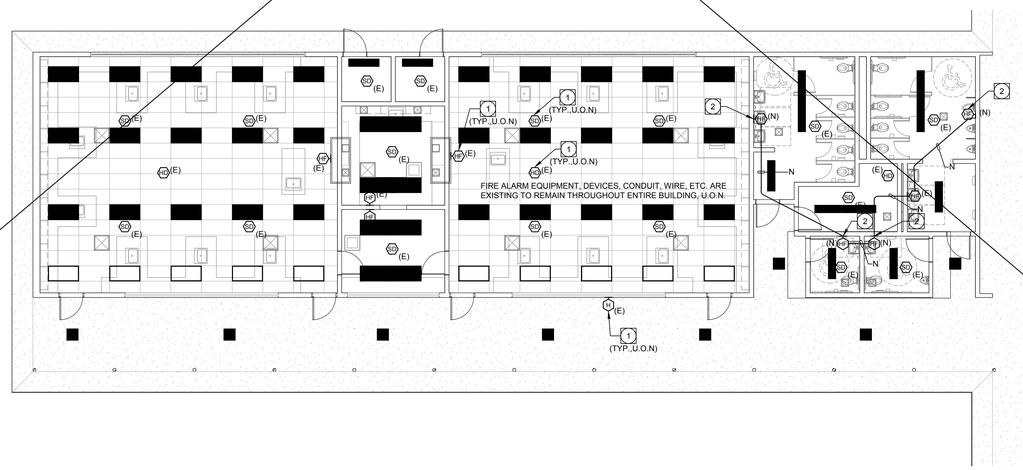
A.F.F.	ABOVE FINISHED FLOOR	N/A	NOT APPLICABLE
E.O.L.	END OF LINE RESISTOR	U.N.O.	UNLESS NOTED OTHERWISE
(E)	EXISTING DEVICE	VL	VERIFY LOCATION IN FIELD
F.B.O.	FURNISHED BY OTHERS	WP	WEATHERPROOF DEVICE
TSP	TWISTED SHIELDED PAIR	cd	INDICATED CANDELA RATING OF STROBE DEVICE

WIRING LEGEND

WIRE DESIGNATION	WIRE IN CONDUIT	WIRE IN CONDUIT UNDERGROUND/WET LOC.	UNDERGROUND/WET WIRE DESIGNATION
INITIATING CIRCUITS	2 CONDUCTOR #12 THHN STRANDED	2 CONDUCTOR #12 STRANDED TYPE THWN	MISC/AUDIBLE VISUAL
N			NU

NOTE:

1. ALL WIRE TO BE CLASS 'B' PATHWAY SURVIVAL LEVEL 1.
2. ALL CABLING TO BE WEST PENN OR APPROVED EQUAL.
3. COLOR CODE ALL FIRE ALARM CONDUCTORS PER DISTRICT STANDARDS. VERIFY COLOR SCHEMES PRIOR TO ORDERING FIRE ALARM CONDUCTORS.



FIRE ALARM PLAN - BUILDING 14 — 1

1/8" = 1'-0"

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FIRE ALARM PLAN - BUILDING 14

DSA SUBMITTAL

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