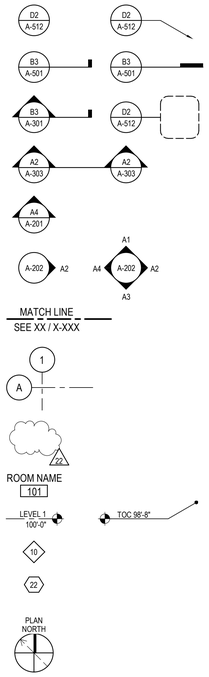
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

MCCLATCHY HS TRAINING ROOM RENOVATION

ARCHITECTURAL SYMBOLS LEGEND



DETAIL INDICATOR - REFERENCE & DETAIL INDICATOR - ITEM

DETAIL INDICATOR - SECTION & DETAIL INDICATOR - SECTION ITEM

SECTION INDICATOR - PARTIAL BUILDING/WALL & DETAIL INDICATOR - AREA

SECTION INDICATOR - BUILDING

ELEVATION INDICATOR - EXTERIOR

ELEVATION INDICATOR - INTERIOR, SINGLE & MULTIPLE VIEW

MATCH LINE INDICATOR

REFERENCE GRID WITH REFERENCE GRID LINES

REVISION INDICATOR & REVISION CLOUD

ROOM IDENTIFIER WITH ROOM NAME & NUMBER

ELEVATION INDICATOR - LEVEL & SPOT

WINDOW OR LOUVER IDENTIFIER

KEYNOTE INDICATOR

PLAN NORTH & TRUE NORTH INDICATOR

LIST OF ARCHITECTURAL ABBREVIATIONS

	SEE UNITED STATES NATIONAL CAD STANDARD FOR ANY ABBREVIATIONS NOT LISTED BELOW.
&	AND
@	AT
(E)	EXISTING
'	FOOT, FEET
"	INCH(ES)
#	NUMBER
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT / ENGINEER
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
AD	AREA DRAIN
ADC	AUTOMATIC DOOR CLOSER
ADO	AUTOMATIC DOOR OPERATOR
ADDL	ADDITIONAL
ADJ SHV	ADJUSTABLE SHELVING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ASSY	ASSEMBLY
BD	BOARD
BKG	BACKING
BLDG	BUILDING
BM	BEAM
BM	BENCHMARK
BOT	BOTTOM
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
C	CHANNEL
CAB	CABINET
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CEM	CEMENT
CEM PLAS	CEM PLASTER
CFLG	COUNTERFLASHING
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CI	CAST IRON
CJ	CONSTRUCTION JOINT / CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUE / CONTINUOUS
COTG	CLEANOUT TO GRADE
CP	CONTROL PANEL
CPT	CARPET
CRS	COLD ROLLED STEEL
CSK	COUNTER SUNK
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DHM	DETENTION HOLLOW METAL
DIA	DIAMETER
DIM	DIMENSION
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DWG	DRAWING
DWR	DRAWER
EA	EACH
EGSB	EXTERIOR GYPSUM SHEATHING BOARD
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPB	ELECTRICAL PANEL BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLG	FLOORING
FLL	FLOW LINE
FLR	FLOOR
FOC	FACE OF CONCRETE/CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET / FOOT
FTG	FOOTING
FURG	FURRING
FUT	FUTURE
G	GROUND; NATURAL GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
GLU LAM	GLUED LAMINATED WOOD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
KIT	KITCHEN
L	ANGLE
LAB	LABORATORY
LAV	LAVATORY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFF	OFFICE
OGL	OBSCURE GLASS
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAF	POWER ACTUATED FASTENER
PL	PROPERTY LINE; PLATE
PLAM	PLASTIC LAMINATE
PLB	PLUMB
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT; PAINT
PTN	PARTITION
PV	PHOTOVOLTAIC
QT	QUARRY TILE
R	RADIUS; RISER
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BAR
REF	REFERENCE
REF	REFRIGERATOR
REINF	REINFORCE / REINFORCING
REQD	REQUIRED
RESIL	RESILIENT
RM	ROOM
RO	ROUGH OPENING
RWD	REDWOOD
RWL	RAIN WATER LEADER
SAD	SEE ARCHITECTURAL DRAWINGS
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SDST	SELF DRIVING, SELF TAPPING
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SLNT	SEALANT
SM	SHEET METAL
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER; SERVICE SINK
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP CLG	SUSPENDED CEILING
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TEL	TELEPHONE
THK	THICKNESS
TMH	TOP OF MANHOLE
TMPD	TEMPERED
TO	TOP OF
TOC	TOP OF CURB
TOF	TOP OF FRAME
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER/CABINET
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WO	WHERE OCCURS
WP	WORKING POINT
WPM	WATERPROOF MEMBRANE
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWR	WELDED WIRE REINFORCEMENT

SHEET INDEX

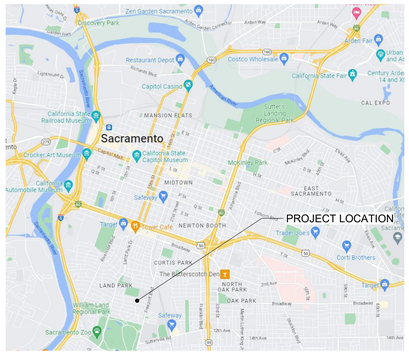
GENERAL
G-001 COVER SHEET

ARCHITECTURAL
AD111 DEMOLITION FLOOR AND CEILING PLAN - LEVEL 1
A-111 FLOOR AND CEILING PLAN - LEVEL 1
A-221 ELEVATIONS - INTERIOR
INTERIORS
A-641 INTERIOR FINISH LEGEND AND SCHEDULE

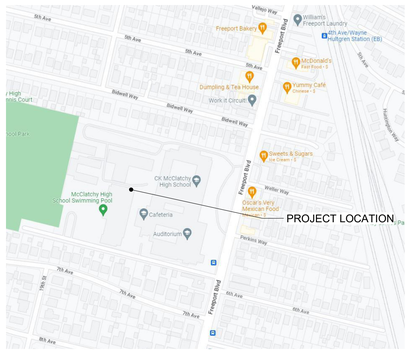
PLUMBING
P-001 PLUMBING LEGENDS AND NOTES
PD-111 PLUMBING DEMO FLOOR PLAN
P-111 PLUMBING FLOOR PLAN

ELECTRICAL
E0.0 GENERAL NOTES AND SYMBOLS
E1.0 POWER AND LIGHTING PLAN
E2.0 DETAILS

LOCATION MAP



VICINITY MAP



SCOPE OF PROJECT

RENOVATION OF TRAINING ROOM AND ADJACENT STORAGE SPACE INCLUDING NEW CASEWORK, DOORS, AND LIGHTING

DEFERRED SUBMITTALS

NONE

PROJECT DIRECTORY

OWNER

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5735 7TH AVENUE,
SACRAMENTO, CA 95824
CONTACT: MATTHEW JUCHNIEWICZ
EMAIL: MATTHEW-JUCHNIEWICZ@SCUSD.EDU

CONTRACTOR

-- CONSTRUCTION
ADDRESS
CONTACT:
PHONE:
EMAIL:

PLUMBING ENGINEER

CAPITAL ENGINEERING
11020 SUN CENTER DR.
RANCHO CORDOVA, CA 95670
CONTACT: JOEL VALENCIA
PHONE: 916.851.3530
EMAIL: JVALENCIA@CAPITAL-ENGINEERING.COM

OWNER REPRESENTATIVE

KITCHELL
2450 VENTURE OAKS WAY, SUITE 500
SACRAMENTO,CA 95833
CONTACT: MONICA WITTE
PHONE: 916.614.9772
EMAIL: MWITTE@KITCHELL.COM

ARCHITECT

LIONAKIS
2025 19TH STREET
SACRAMENTO, CA 95818
CONTACT: SARAH HO
PHONE: 916.878.0027
EMAIL: SARAH.HO@LIONAKIS.COM
CONTACT: CARSON SUMNER
PHONE:916.558.1900
EMAIL: CARSON.SUMNER@LIONAKIS.COM

ELECTRICAL ENGINEER

THE ENGINEERING ENTERPRISE
1125 HIGH STREET
AUBURN, CA 95603
CONTACT: DANNY MCKEVITT
PHONE: 530.886.8556
EMAIL: DMCKEVITT@ENGENT.COM

SHEET IDENTIFICATION LEGEND

DISCIPLINE DESIGNATORS - LEVEL 1

G GENERAL
H HAZARDOUS MATERIALS
V SURVEY/MAPPING
B GEOTECHNICAL
C CIVIL
L LANDSCAPE
S STRUCTURAL
A ARCHITECTURAL
I INTERIORS
Q EQUIPMENT
F FIRE PROTECTION
P PLUMBING
D PROCESS
M MECHANICAL
E ELECTRICAL
W DISTRIBUTED ENERGY
T TELECOMMUNICATIONS
R RESOURCE
X OTHER DISCIPLINES
Z CONTRACTOR/SHOP DRAWINGS
O OPERATIONS

SHEET TYPE DESIGNATORS

0 - GENERAL
1 - PLANS
2 - ELEVATIONS
3 - SECTIONS
4 - LARGE SCALE VIEWS
5 - DETAILS
6 - SCHEDULES & DIAGRAMS
7 - USER DEFINED
8 - USER DEFINED
9 - 3D REPRESENTATIONS

C.A-123AB

- BUILDING IDENTIFIER - WHERE OCCURS
- DISCIPLINE DESIGNATOR - LEVEL 1
- DISCIPLINE DESIGNATOR - LEVEL 2 REPLACE DASH WHERE OCCURS
- SHEET TYPE DESIGNATOR
- SHEET TYPE SUBSET DESIGNATOR
- LEVEL/SEQUENCE DESIGNATOR
- AREA IDENTIFIER - WHERE OCCURS
- UNIQUE PORTION IDENTIFIER - WHERE OCCURS

LIONAKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT JENNIFER MARIE QUIGLEY C34697 REGISTERED PROFESSIONAL ENGINEER 11-30-2 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION
BID	05/21/26	CD PROGRESS SET

MANAGEMENT

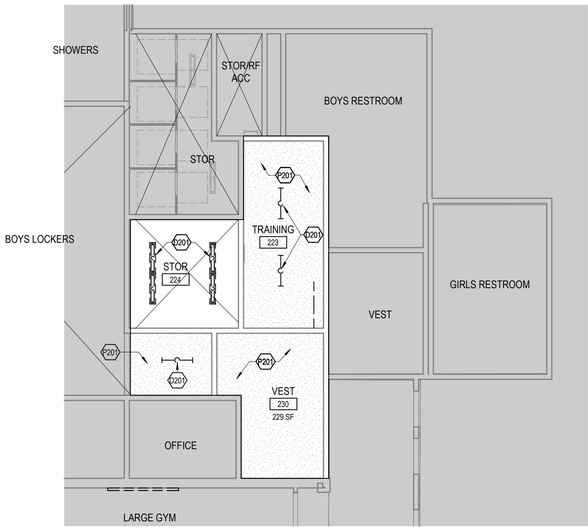
LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE
COVER SHEET

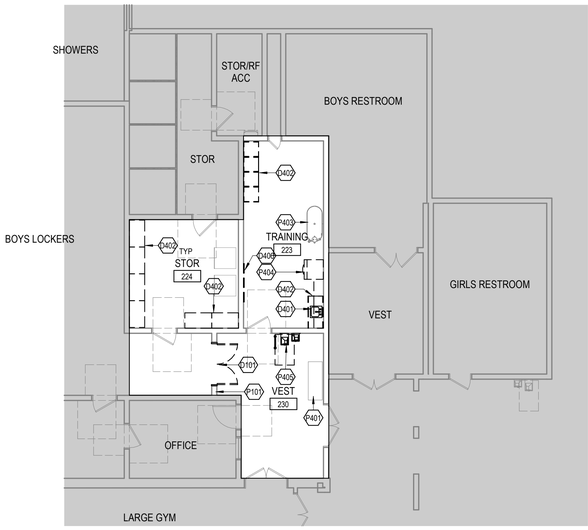
SHEET
G-001

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCHMSTR_R24_CENTRAL.rvt
5/20/2026 4:22:22 PM



1 DEMOLITION CEILING PLAN - LEVEL 1 - OVERALL

SCALE 1/8" = 1'-0"



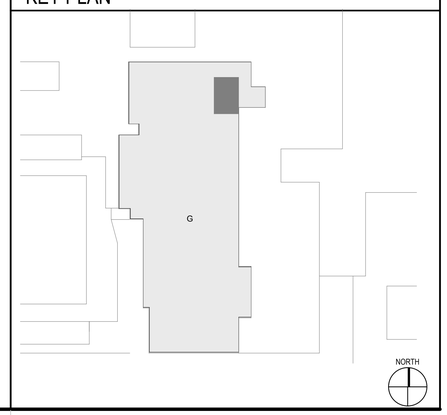
2 DEMOLITION FLOOR PLAN - LEVEL 1 - OVERALL

SCALE 1/8" = 1'-0"

SHEET KEYNOTES

D101	REMOVE (E) DOOR PANEL. FRAME TO REMAIN
D201	REMOVE (E) LIGHT FIXTURE
D401	REMOVE (E) PLUMBING FIXTURES, SEE PLUMBING DRAWINGS
D402	REMOVE (E) CASEWORK IN ITS ENTIRETY
D406	REMOVE (E) TACKBOARD, PREP SURFACE FOR NEW TACKBOARD
P101	(E) WALL TO REMAIN
P201	(E) GYP BOARD CEILING TO REMAIN
P401	(E) CASEWORK TO REMAIN
P403	(E) WHIRLPOOL TUB TO REMAIN
P404	(E) ICE MAKER TO BE RELOCATED, SEE FLOOR PLAN
P405	(E) DRINKING FOUNTAIN AND GRAB BARS TO BE RELOCATED. SEE FLOOR PLAN

KEY PLAN



LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE DUGLES
C34697
EXP. DATE 11-30-2
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

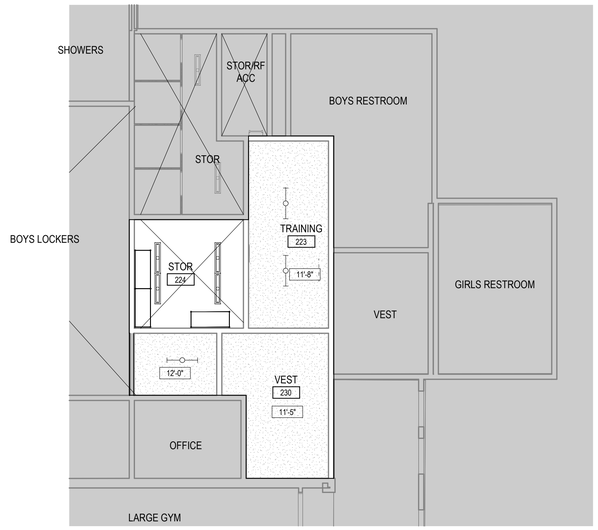
LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE
DEMOLITION FLOOR AND CEILING PLAN - LEVEL 1

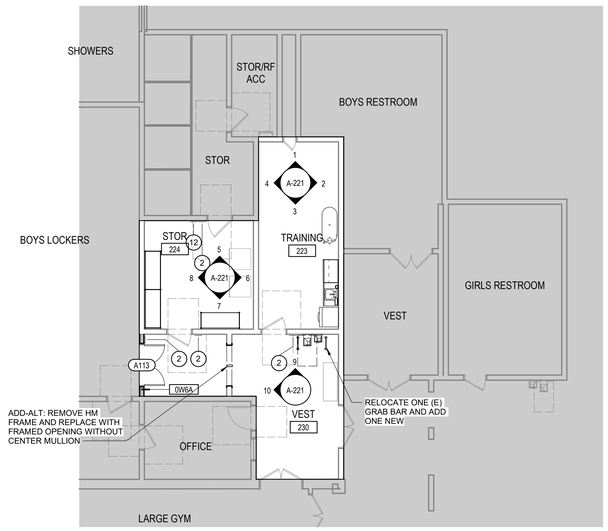
SHEET
AD111

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT. SCALE ACCORDINGLY
0 1/4" 1/2" 1" 2"
Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCHNSTR_R24_CENTRAL.rvt
5/20/2026 4:22:22 PM



1 CEILING PLAN - LEVEL 1 - OVERALL

SCALE 1/8" = 1'-0"



2 FLOOR PLAN - LEVEL 1 - OVERALL

SCALE 1/8" = 1'-0"

FLOOR PLAN LEGEND

101A	DOOR, FOR DOOR TYPES SEE **2A-621** DOOR NUMBER, SEE DOOR SCHEDULE ON SHEET **2A-621**
	(E) DOOR TO REMAIN
0W6A A	WALL TYPE, SEE SHEET **2A-531**
ROOM NAME A101	ROOM NAME AND NUMBER
234	FURNITURE, FIXTURE & EQUIPMENT INDICATOR
	UNRATED WOOD STUD WALL, SEE 2A-531

SIGNAGE LEGEND

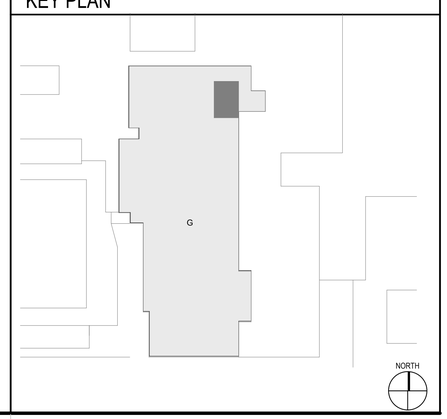
1	FUNCTIONAL ROOM SIGNAGE, SEE DETAIL 19 / A-521
12	ELECTRICAL PANEL SIGNAGE LOCATION 17 / A-521

CEILING PLAN LEGEND

8'-0"	CEILING HEIGHT ELEVATION
	PAINTED GYPSUM BOARD CEILING
OPEN	EXPOSED - OPEN TO ABOVE OR TO CEILING HEIGHT ELEVATION
	LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS

SHEET KEYNOTES

KEY PLAN



LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT JENNIFER MARIE DUGLES C34599 EXP. DATE 11-30-2 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT

MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

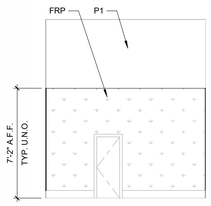
TITLE

FLOOR AND CEILING PLAN - LEVEL 1

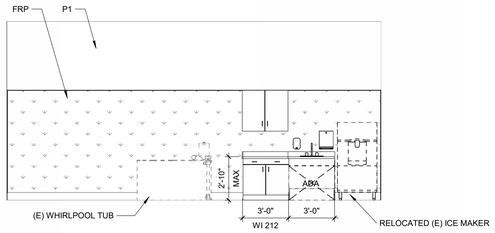
SHEET

A-111

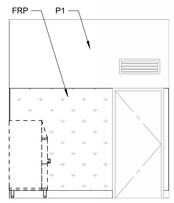
IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030.SCUSD HS Training Rooms/026030_ARCH/MSTR_R24_CENTRAL.rvt
5/20/2025 4:22:23 PM



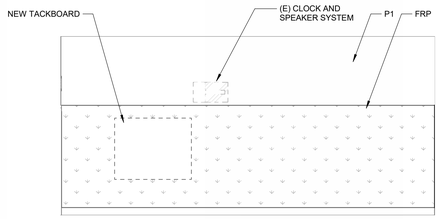
1 TRAINING - NORTH
SCALE 1/4" = 1'-0"



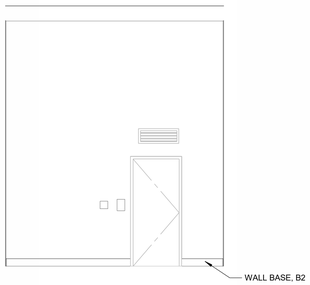
2 TRAINING - EAST
SCALE 1/4" = 1'-0"



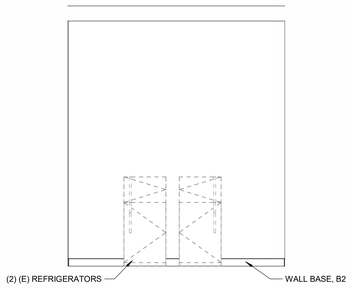
3 TRAINING - SOUTH
SCALE 1/4" = 1'-0"



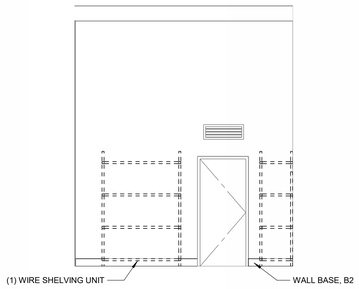
4 TRAINING - WEST
SCALE 1/4" = 1'-0"



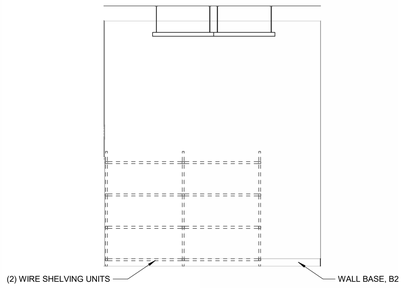
5 STORAGE - NORTH
SCALE 1/4" = 1'-0"



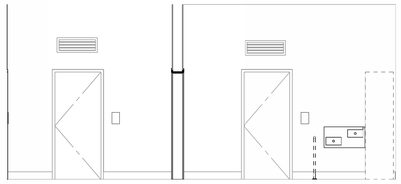
6 STORAGE - EAST
SCALE 1/4" = 1'-0"



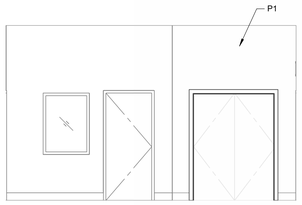
7 STORAGE - SOUTH
SCALE 1/4" = 1'-0"



8 STORAGE - WEST
SCALE 1/4" = 1'-0"

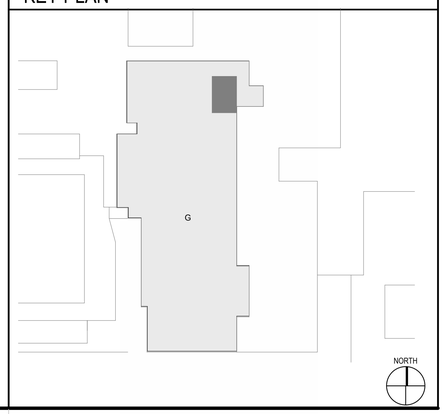


9 VESTIBULE - NORTH
SCALE 1/4" = 1'-0"



10 VESTIBULE - WEST
SCALE 1/4" = 1'-0"

KEY PLAN



LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT
JENNIFER MARIE QUIGLEY
C34697
EXP. DATE 11-30-2
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

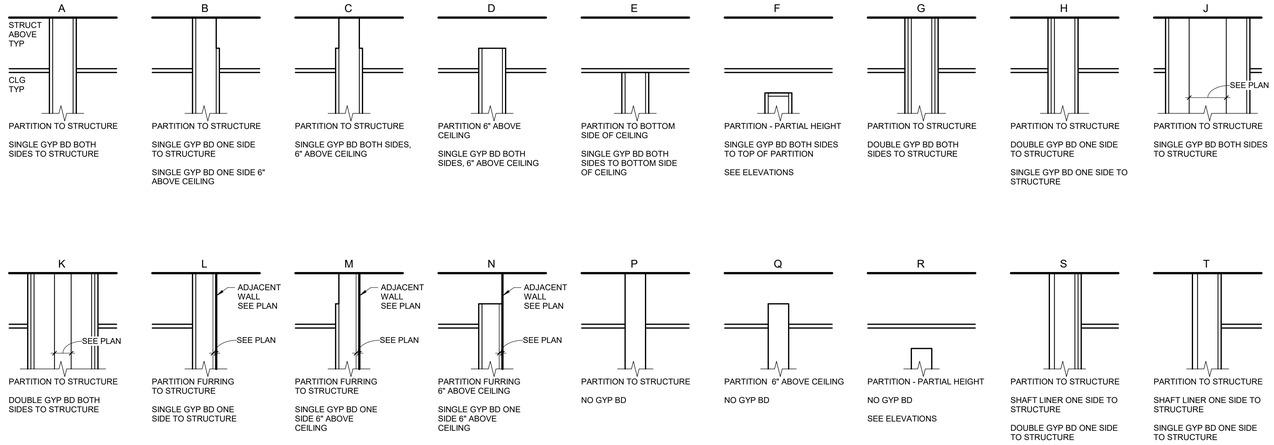
TITLE
ELEVATIONS - INTERIOR

SHEET
A-221

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCHMSTR_R24_CENTRAL.rvt
5/20/2025 4:22:25 PM

PARTITION CONFIGURATION DIAGRAMS (FOURTH CHARACTER DESIGNATOR)

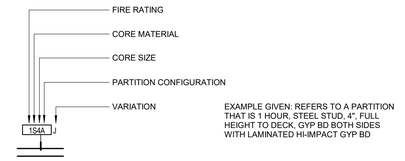
STANDARD PARTITION CONFIGURATIONS



PARTITION TYPE SCHEDULE

PARTITION TYPE	VARIATION	UL ASSEMBLY	STC RATING	HEAD	SILL	HEAD	SILL	REMARKS
0S4A								
0W6A								
CMU-1								Exterior Wall

PARTITION TYPE SYMBOL KEY



PARTITION SYMBOL DESIGNATORS

FIRST CHARACTER 1S4A J

DESIGNATOR	FIRE RATING
0	NON-RATED
1	1 HR
2	2 HR
3	3 HR
4	4 HR

SECOND CHARACTER 1S4A J

DESIGNATOR	CORE MATERIAL
C	CONCRETE
D	DETENTION WALL
E	EXISTING
F	FURRING - WOOD
H	STEEL HAT CHANNELS
M	MASONRY
S	STEEL STUD
T	SHAFTWALL STUD
W	WOOD STUD
Z	STEEL ZEE CHANNELS

THIRD CHARACTER 1S4A J

		CORE MATERIAL SIZE										
	DESIGNATOR	C	D	F	H	M	S	T	W	Z	--	--
SIZES	1			3/4"	3/4"		1 5/8"			7/8"		
	2		2"	1 1/2"	1 1/2"		2 1/2"			1 1/2"		
	3			2 1/2"	2 1/2"		3 5/8"	2 1/2"				
	4	4"					4"	4"	3 1/2"			
	6	6"				5 5/8"	6"	6"	5 1/2"			
	8	8"				7 5/8"	8"		7 1/4"			
	10	10"				9 5/8"	10"		9 1/4"			
	12	12"				11 5/8"	12"		11 1/4"			

FOURTH CHARACTER 1S4A J

SEE PARTITION CONFIGURATION DIAGRAMS AT LEFT

FIFTH CHARACTER 1S4A J

DESIGNATOR	VARIATION MATERIAL
A	MOISTURE RESISTANT GYP BD
B	CEMENTITIOUS BACKER BD
C	GYP BD, ADDITIONAL LAYER
D	REMOVE GYP BD
E	SOUND DAMPENING GYP BD
F	HI-IMPACT GYP BD
G	PLYWOOD
H	LEAD BACKED GYP BD
J	LAMINATED HI-IMPACT GYP BD
K	RIGID INSULATION
L	BULLET RESISTANT COMPOSITE PANELS
M	WITHOUT ACOUSTIC INSULATION
P	PARTITION
S	SMOKE
W	FIRE
N	--USER DEFINED--
Q	--USER DEFINED--
T	--USER DEFINED--
U	--USER DEFINED--

PARTITION TYPE GENERAL NOTES

1. REFER TO THE FLOOR PLANS FOR PARTITION TYPE SYMBOLS. A PARTITION TYPE IS INDICATED BY A SYMBOL CONTAINING THE PARTITION IDENTIFICATION WHICH REFERS TO A SPECIFIC ASSEMBLY INDICATED ON THIS SHEET.

2. THE CONSTRUCTION OF EXTERIOR WALLS ARE SHOWN ON WALL SECTIONS & CORRESPONDING DETAILS. PARTITION SYMBOLS ARE ONLY USED TO SHOW INTERIOR CONDITIONS, INCLUDING INTERIOR FURRING OF EXTERIOR WALLS.

3. PARTITION TYPES AS NOTED BY THE SYMBOL CONTINUE BETWEEN ROOM/SPACE CORNERS OR ANY INTERSECTING PARTITION.

4. SEE PLANS FOR STRUCTURE ABOVE NOTED IN PARTITION CONFIGURATION DIAGRAMS.

5. THE PARTITION TYPE ABOVE OR BELOW ANY OPENING IS TO BE THE SAME AS THAT SCHEDULED FOR EITHER SIDE OF THE OPENING, UNO.

6. DIFFERING PARTITION TYPES SHALL ALIGN SO THAT PARTITION FINISH PLANES CONTINUE UNBROKEN WITHIN AND/OR ACROSS SPACES.

7. IN CASES WHERE TWO DIFFERENT CEILING HEIGHTS ABUT PARTITIONS, THE PARTITION SHALL EXTEND ABOVE THE HIGHEST CEILING INDICATED.

8. GYPSUM BOARD SHALL BE FIRE RESISTANT, TYPE 'X' UNO. FIRE RATED PARTITIONS SHALL BE CONSTRUCTED PER CBC, SECTION 721.1 AND TABLE 721.1(2).

9. PROVIDE MOISTURE RESISTANT GYP BOARD AT PARTITIONS IN WET AREAS (FLOOR TO FINISH CEILING) INCLUDING BUT NOT LIMITED TO THE FOLLOWING ROOMS

   A. TOILET ROOMS
   B. JANITOR CLOSETS
   C. OUTSIDE AIR SHAFTS
   D. MECHANICAL ROOMS
   E. DRINKING FOUNTAIN ALCOVES
   F. KITCHENS
   G. LOCKERS

PROVIDE CEMENTITIOUS BACKER BOARD AT WET AREAS SCHEDULED WITH TILE FINISH.

10. PROVIDE ACOUSTICAL TREATMENT AT PARTITIONS WITH ACOUSTIC INSULATION.

FILL STUD CAVITIES & RUN INSULATION CONTINUOUS AROUND COLUMNS & OTHER OBSTRUCTIONS TO FORM A CONTINUOUS ACOUSTIC BARRIER.

   A. INSTALL ACOUSTIC BATT INSULATION, FULL WIDTH, DEPTH, AND HEIGHT.

INSTALL ACOUSTICAL SEALANT AT PARTITION HEAD, SILL & JAMB TRANSITIONS, AS WELL AS AT PENETRATIONS THROUGH THE GYPSUM BOARD MEMBRANE INCLUDING PENETRATIONS AT MOUNTING FASTENERS. FIRE STOPPING REQUIREMENTS SHALL SUPERCEDE ACOUSTIC TREATMENT.

GYPSUM BOARD SILL & JAMB EDGES TERMINATING AT DISSIMILAR MATERIAL (CMU, CONCRETE, METAL PANEL, ETC) SHALL ALLOW 1/4" CONTINUOUS GAP AND BE SEALED AIRTIGHT WITH AN ACOUSTIC SEALANT.

THE BACK AND SIDES OF DUPLEX ELECTRICAL OUTLETS, TELEPHONE OUTLETS, CABLE TV OUTLETS, FIRE ALARM DEVICES, THERMOSTATS, ETC, SHALL BE SEALED WITH FIRE STOP PUTTY PADS AS SPECIFIED FOR FIRE RATED ASSEMBLIES. ELSEWHERE, BACK-TO-BACK OUTLET BOXES TO BE SEPARATED BY ONE EMPTY STUD SPACE AND A MINIMUM OF 16 INCHES.

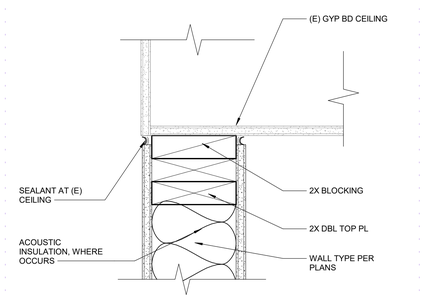
11. PARTITIONS INDICATED AS FIRE OR SMOKE RATED FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT CONCEALED SPACES, COLUMNS, TRANSITIONS OR OTHER OBSTRUCTIONS.

12. PENETRATIONS THROUGH RATED PARTITIONS SHALL BE SEALED WITH UL LISTED FIRE/SMOKE STOP ASSEMBLY.

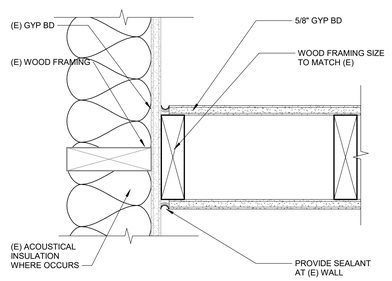
13. SEE PARTITION PRIORITY LEGEND FOR PRIORITIZATION OF INTERSECTING PARTITIONS.

PARTITION TYPE SHEET NOTES

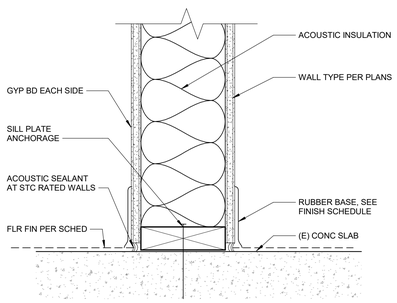
1. WOOD STUDS ARE 2X SPACED @ 16" OC, UNO.



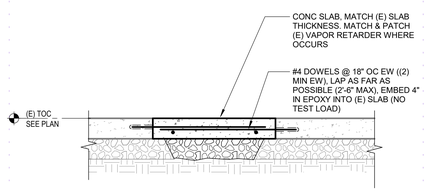
7 PARTITION HEAD AT (E) CEILING
3" = 1'-0"
?DRS TRACKING NUMBER?
?YYMMDD?. Q1



4 NEW PARTITION AT (E) WALL
3" = 1'-0"
0520 - SEMI-RECESSED (FEC) AT WOOD WALL
?YYMMDD?. Q1

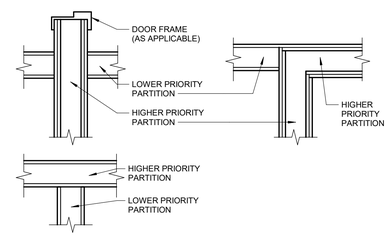


8 TYPICAL WALL BASE
3" = 1'-0"
?DRS TRACKING NUMBER?
?YYMMDD?. Q1



1 TYP INFILL AT (E) SLAB
1" = 1'-0"
S-_033000_T030A
140728

PARTITION PRIORITY LEGEND



PARTITION PRIORITY LEGEND

FOUR HOUR FIRE AND/OR SMOKE PARTITION	PRIORITY 1 (HIGHEST)
THREE HOUR FIRE AND/OR SMOKE PARTITION	PRIORITY 2
TWO HOUR FIRE AND/OR SMOKE PARTITION	PRIORITY 3
TWO HOUR FIRE PARTITION	PRIORITY 4
TWO HOUR SHAFTWALL	
ONE HOUR FIRE AND/OR SMOKE PARTITION	PRIORITY 5
ONE HOUR FIRE PARTITION	PRIORITY 6
NON-RATED PARTITION	PRIORITY 7 (LOWEST)

NOTE:
1. ALL PARTITIONS MAY NOT BE USED. SEE PLANS.
2. PARTITIONS WITH HIGHER ASSIGNED PRIORITY SHALL BE CONTINUOUS THROUGH INTERSECTIONS.

LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT JENNIFER MARIE QUIGLEY C34697 REGISTERED PROFESSIONAL ENGINEER 11-30-2 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

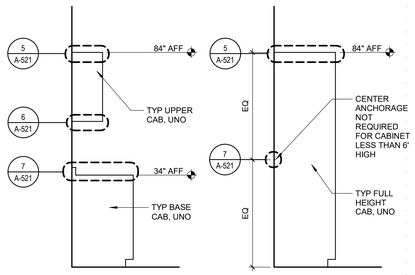
LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE
PARTITION TYPES & SCHEDULE

SHEET
A-531

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCHMSTR_R24_CENTRAL.rvt
5/20/2026 4:22:25 PM



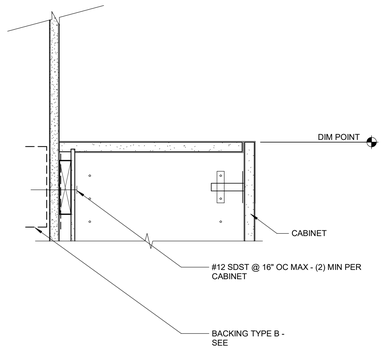
NOTES:

1. SEE INTERIOR ELEVATIONS FOR CASEWORK PROFILES
2. SEE ENLARGED PLANS AND ELEVATIONS FOR DIMENSIONS AND SIZES
3. ALL DIMENSIONS HERE TYP UNO

1 TYP CASEWORK ANCHORAGE

3" = 1'-0"

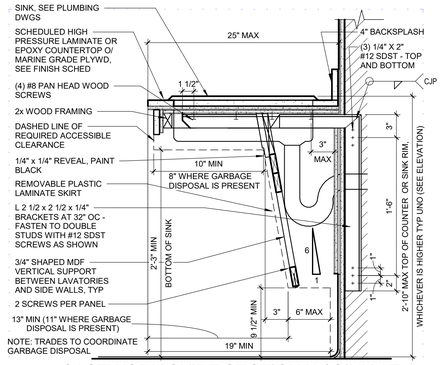
?YYMMDD?. Q1



5 UPPER CASEWORK

3" = 1'-0"

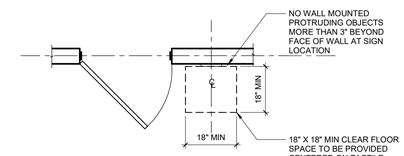
?YYMMDD?. Q1



9 CASEWORK SKIRT SECTION W/ SINK AT P-LAM CONDITION

1 1/2" = 1'-0"

?YYMMDD?. Q1



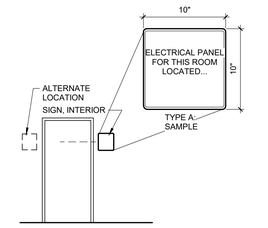
NOTES:

1. WHERE A TACTILE SIGN IS PROVIDED AT DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT EACH LATCH
2. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF
3. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THEN THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR
4. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF A DOUBLE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL
5. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE
6. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE
7. FOR SIGN MOUNTING HEIGHT REQUIREMENTS; SEE DETAIL 19 / A-521

13 SIGN LOCATION

1/2" = 1'-0"

Q1



CHARACTERS AND BRAILLE PER TYP

17 ELECTRICAL PANEL LOCATION SIGNAGE

1/8" = 1'-0"

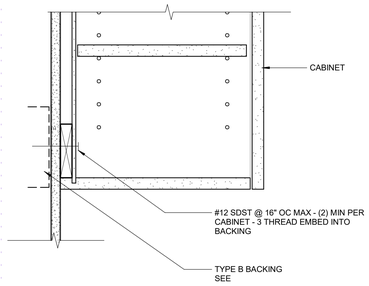
Q1

WOOD STUD	#14 ROUND WASHER HEAD WOOD SCREW W/ 1 1/2" MIN EMBED INTO TYPE 'B' BACKING, SCREW SPACING: • W/ (1) LAYER OF 5/8" GYP: 16" OC - (2) MIN PER CABINET • W/ (2) LAYERS OF 5/8" GYP: 12" OC - (2) MIN PER CABINET
CONCRETE	ATTACH TO CONC SLAB W/ 0.145" DIA PAF @ 24" OC W/ 1" MIN EMBED INTO CONC AT INTEGRAL TOEKICK 3/8" DIA. KWIK HUS-EZ ANCHORS W/ 2 1/8" EMBED., MAXIMUM 2" FROM CABINET ENDS. MINIMUM OF (1) FASTENER AT EACH CORNER OF CABINET

2 TYP CASEWORK FASTENERS WOOD FRAMING

3" = 1'-0"

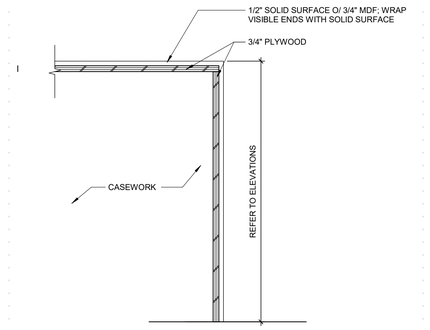
?YYMMDD?. Q1



6 UPPER CASEWORK - TYP

3" = 1'-0"

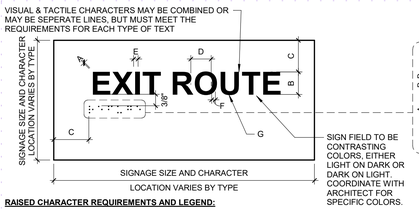
?YYMMDD?. Q1



10 END PANEL

1 1/2" = 1'-0"

?YYMMDD?. Q1



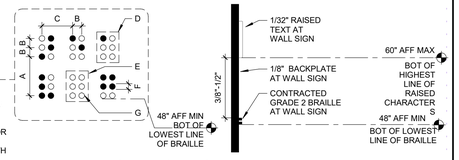
RAISED CHARACTER REQUIREMENTS AND LEGEND:

A. CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND.
B. CHARACTER HEIGHT SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH BASED ON THE UPPERCASE "I".
C. CHARACTERS SHALL BE SEPARATED FROM ANY RAISED BORDER OR DECORATIVE ELEMENT BY 3/8"
D. CHARACTER FONT PROPORTION WITH THE UPPERCASE 'O' WIDTH BEING 60 PERCENT MINIMUM TO 110 PERCENT MAXIMUM THE HEIGHT OF THE UPPERCASE 'I'.
E. CHARACTER STROKE THICKNESS OF THE UPPERCASE 'I' SHALL BE 15 PERCENT MAXIMUM THE HEIGHT OF CHARACTER.
F. CHARACTERS THAT HAVE RECTANGULAR CROSS SECTIONS MUST HAVE SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS 1/8" MIN. TO 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. CHARACTERS THAT HAVE OTHER (NON-RECTANGULAR) CROSS SECTIONS MUST HAVE SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS 1/16" MIN. TO 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. AT THE BASE OF THE CROSS SECTION AND 1/8" MIN. TO 4 TIMES THE STROKE WIDTH AT THE TOP OF THE CROSS SECTIONS.
G. RAISED CHARACTERS ARE TO HAVE EASED EDGES.
H. CHARACTERS AND SIGN FIELD TO HAVE NON-GLARE FINISH. SANS-SERIF, HORIZONTAL FORMAT, WITH FONTS PER CBC 11B-703.2

14 ACCESSIBLE TACTILE SIGN REQUIREMENTS

6" = 1'-0"

Q1



BRAILLE REQUIREMENTS AND LEGEND:

BRAILLE SHALL BE PER CBC 11B-703.3 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: DISTANCES IN INCHES, MIN TO MAX.

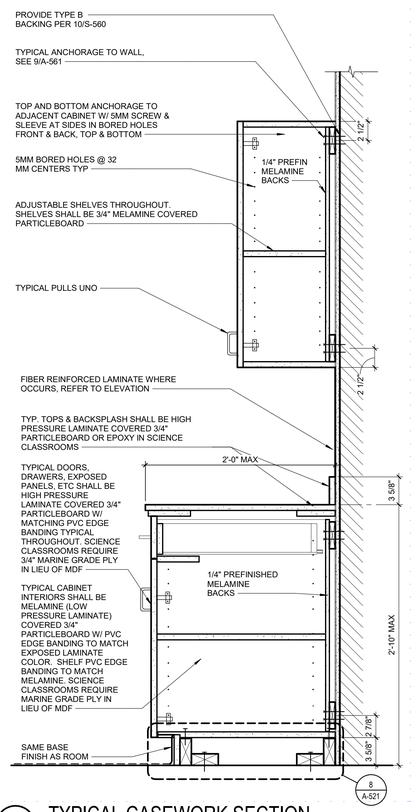
A. DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW: 0.395 TO 0.400
B. DISTANCE BETWEEN TWO DOTS IN THE SAME CELL : 0.100, MEASURED CENTER TO CENTER
C. DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS: 0.300
D. SINGLE BRAILLE CELL
E. BLANK CELL SPACE BETWEEN WORDS
F. BASE DIAMETER: 0.059 TO 0.063
G. NO RAISED DOT, BLANK CELL SPACE BETWEEN WORDS

BRAILLE TO BE CONTRACTED GRADE 2, AND DOT HEIGHT TO BE 0.025 TO 0.037. DOTS MUST BE DOMED OR ROUNDED. DOTS INDICATING UPPERCASE LETTER OR LETTERS MUST ONLY BE USED AT THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND/OR ACRONYMS.

18 BRAILLE REQUIREMENTS

3/8" = 1'-0"

Q1

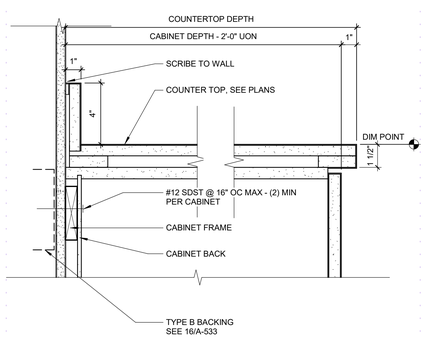


4 TYPICAL CASEWORK SECTION

1 1/2" = 1'-0"

AE_064100_016

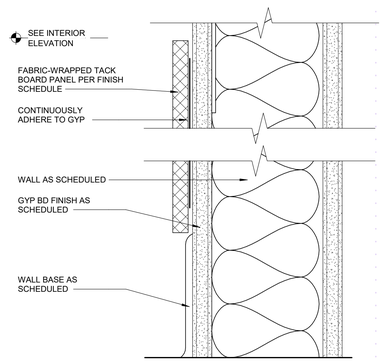
?YYMMDD?. Q1



7 COUNTERTOP ANCHORAGE STEEL FRAMING

3" = 1'-0"

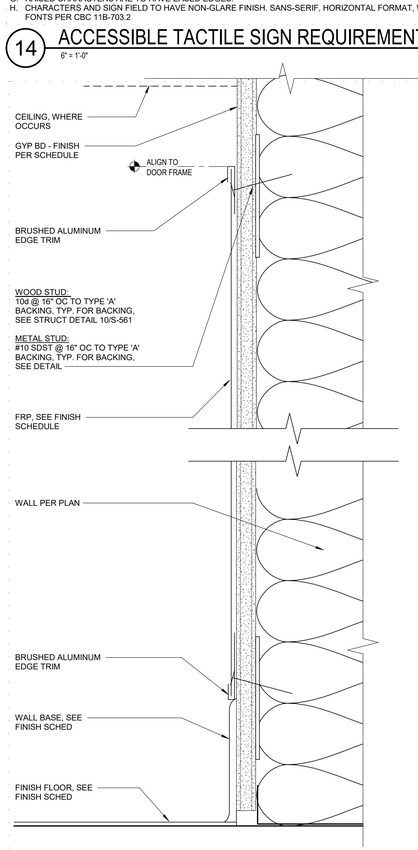
?YYMMDD?. Q1



11 ADHESIVE-MOUNT TACK PANEL

6" = 1'-0"

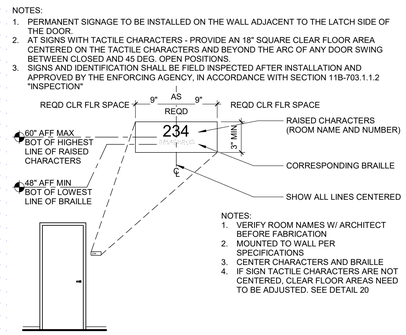
Q1



16 FRP TRIM

6" = 1'-0"

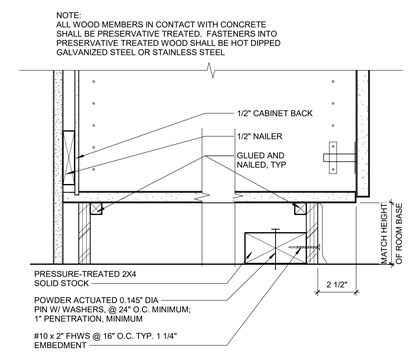
Q1



19 PERMANENT ROOM IDENTIFICATION SIGNS

1/4" = 1'-0"

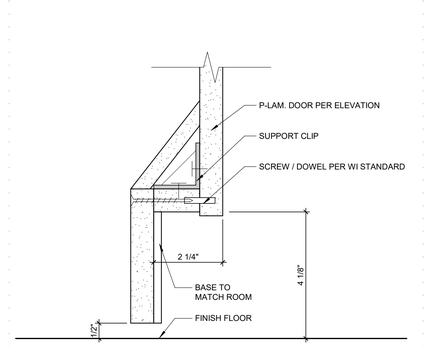
Q1



8 LOWER CASEWORK ANCHORAGE

3" = 1'-0"

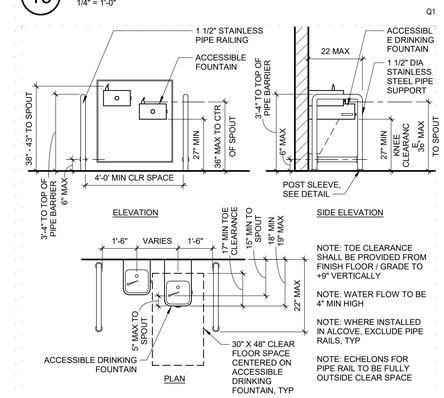
?YYMMDD?. Q1



12 INTEGRAL TOE KICK

6" = 1'-0"

?YYMMDD?. Q1



20 HI-LO DRINKING FOUNTAIN AT WALL

3/8" = 1'-0"

0500_DF GRAB BARS_01

?YYMMDD?. Q1

LIONAKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT JENNIFER MARIE QUIGLEY C-34000 Expires 11-30-26 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT

MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO:	026030
COPYRIGHT:	LIONAKIS 2017

TITLE

DETAILS - INTERIOR

SHEET

A-521

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

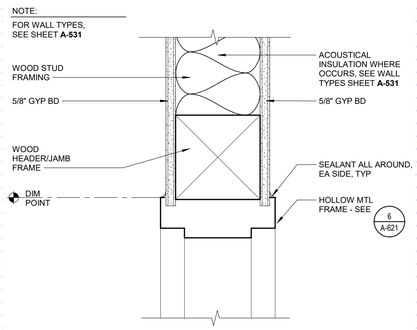
0 1/4" 1/2" 1" 2"

Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCHMSTR_R24_CENTRAL.rvt

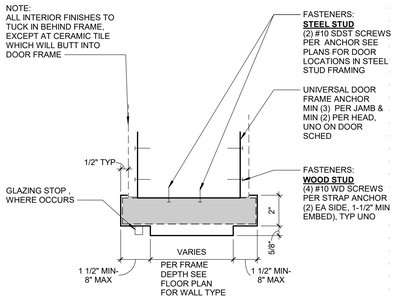
5/20/2026 4:22:26 PM

DOOR SCHEDULE

DOOR NO	LOCATION	FIRE RATING (MINS)	HDW GP	DOORS								FRAMES							STC	SECURITY	KEYING ACCESS	SIGNAGE	COMMENTS
				LEAF 1		LEAF 2																	
				TYPE	WIDTH	TYPE	WIDTH	MATL	HEIGHT	FINISH	GL	TYPE	MATL	FINISH	GL	HEAD	JAMB	SILL					
A113		0	(none)	DF1	2'-8"	DF1	2'-8"	FRP	7'-0"	PT	--	FB1	--	--	--								



2 TYP INT HMF DOOR HEAD (JAMB SIM)
3" = 1'-0"
?DRS TRACKING NUMBER?
?YYMMDD?. Q1



6 TYP INTERIOR HMF FRAME
3" = 1'-0"
?DRS TRACKING NUMBER?
?YYMMDD?. Q1

DOOR SCHEDULE GENERAL NOTES

1. GENERAL DOOR SHEET NOTES ARE TYPICAL UNLESS NOTED OTHERWISE.
2. FLOORS OR LANDINGS ON EACH SIDE OF EXIT DOORS SHALL NOT EXCEED ¼" FROM THE TOP OF THE DOOR THRESHOLD TO THE FLOOR OR LANDING SURFACE ON EITHER SIDE OF THE DOOR ASSEMBLY.
3. EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF TRAVEL.
4. THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND MAXIMUM FORCE
5. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP, PINCH OR TWIST THE OPENING HARDWARE
6. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
7. RATED DOORS SHALL BE POSITIVE LATCHING AND SELF CLOSING.
8. FIRE RATED DOORS AND GLASS SHALL HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE PROTECTION RATING WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY OCCUR.
9. DOOR AND FRAME ASSEMBLY DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION.
10. COORDINATE OVERALL DOOR FRAME DEPTHS WITH WALL TYPES.
11. FOR DOOR HARDWARE GROUPS, SEE PROJECT SPECIFICATIONS.
12. FOR SIGNAGE LOCATIONS, SEE SIGNAGE PLANS.
13. FOR SIGNAGE ON OR ADJACENT TO DOORS, SEE SHEET SERIES G-100.
14. GLASS DOORS, SIDELIGHTS, AND GLAZED OPENINGS WITHIN 18" OF THE FLOOR OR WITHIN 24" HORIZONTALLY OF ANY DOOR OPENING SHALL BE FULLY TEMPERED GLASS APPROVED FOR IMPACT HAZARD.
15. PROVIDE RATED GLASS AT RATED DOORS AND FRAMES WITH LITES. SEE DOOR SCHEDULE AND PROJECT SPECIFICATIONS.
16. COORDINATE THE SIZE AND LOCATION OF RECESSES IN CONCRETE FLOORS FOR RECESSED DOOR HARDWARE.
17. SEE SECURITY DRAWINGS FOR DOORS WITH CARD READERS AND OTHER SECURITY ELECTRONICS, COORDINATE WITH ELECTRICAL.
18. HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION SHALL BE GROUTED FULL.

LEGEND

(E) = EXISTING
ADO = AUTOMATIC DOOR OPERATOR
ADC = AUTOMATIC DOOR CLOSER
CR = CARD READER
EL = ELECTRIC LOCK
HDW GP = HARDWARE GROUP
HO = HOLD OPEN
PH = PANIC HARDWARE
V = VINYL STRIPS

GLASS LEGEND:
GL = GLASS
LG = LEADED GLASS
RG = RATED GLASS
SG = SPANDREL GLASS
TG = TEMPERED GLASS

GLASS LEGEND NOTES:
1. SEE SPECS FOR GLASS TYPES NOTED

MATERIAL
ALUM = ALUMINUM
DHM = DETENTION HOLLOW METAL
HM = HOLLOW METAL
SST = STAINLESS STEEL
WD = WOOD

FINISH
ANOD = ANODIZED
FRP = FIBER REINFORCED PLASTIC
PLAM = PLASTIC LAMINATE
PT = PAINT
ST = STAIN

DOOR TYPE SYMBOL KEY

DF1A

DOOR TYPE
D = DOOR
S = SLIDER

DOOR CONFIGURATION
F = FLUSH
G = GLASS
V = VISION
L = LOUVER
D = DUTCH
J = DETENTION
S = SLIDER
O = OVERHEAD
C = COUNTER
A = ACCORDION
P = STRIP CURTAIN

CONFIGURATION VERSION
1 = VERSION 1
2 = VERSION 2
ETC.

VERSION VARIATION
A = VARIATION A
B = VARIATION B
ETC.

FRAME TYPE SYMBOL KEY

FB1M

FRAME PROFILE (AT DOOR ONLY)
F = DOUBLE RABBET (TYP)
R = SINGLE RABBET
E = DOUBLE EGRESS
C = CASED
P = POCKET

FRAME CONFIGURATION
B = BASIC THREE-SIDED
T = TRANSOM
G = GLASS LITE
V = VISION LITE
W = TRANSOM W/ GLASS LITE
X = TRANSOM W/ VISION LITE
J = DETENTION
P = PARTIAL TWO-SIDED
Q = FOUR-SIDED

CONFIGURATION VERSION
1 = VERSION 1
2 = VERSION 2
ETC.

VERSION VARIATION
A = VARIATION A
M = VARIATION W/ MULLION
R = VARIATION W/ REMOVABLE MULLION
ETC.

DOOR TYPES

FRAME TYPES

LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT
LIONAKIS PROJECT NO: 026030
COPYRIGHT: LIONAKIS 2017

TITLE
SCHEDULES / DIAGRAMS - DOORS

SHEET
A-621

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030.SCUSD HS Training Rooms/026030_ARCHMSTR_R24_CENTRAL.rvt
5/20/2025 4:22:27 PM

ROOM FINISH SCHEDULE

NO	ROOM NAME	FLOOR MATL	FLOOR FIN	BASE	NORTH MATL	NORTH FIN	EAST MATL	EAST FIN	SOUTH MATL	SOUTH FIN	WEST MATL	WEST FIN	CEILING MATL	CEILING FIN	CASEWORK TYPE	WINDOW COVERING	INTERIOR ELEVATION	INTERIOR FINISH REMARKS
223	TRAINING	E	SP1	E	5	SP2,P1	5	SP2,P1	5	SP2,P1	5	SP2,P1	5	P1	TYPE 1			REPAIR EXISITNG FLOORING AND TOPCOAT ENTIRE AREA
224	STOR	1	RT1	B1	5	E	5	E	5	E	5	E	OTS	-				FLOORING TO BE REPLACED IN KIND
230	VEST	E	SP1	E	5	E	5	E	5	E	5	P1	5	P1				REPAIR EXISITNG FLOORING AND TOPCOAT ENTIRE AREA

INTERIOR FINISH LEGEND

FINISH CODE	MANUFACTURER	TYPE / STYLE, COLOR, SIZE	NOTES
RESILIENT TILE			
RT1		PATTERN: TBD, COLOR: TBD	
PAINT			
P1		MATCH EXISTING	FIELD WALL PAINT
BASE			
B1	BURKE	4" COVE RUBBER BASE; COLOR: TBD	GENERAL WALL BASE
PLASTIC LAMINATE			
PL1	FORMICA	COLOR: TBD	TRAINING ROOM CASEWORK
SOLID SURFACE			
SS1	CORIAN	SOLID SURFACE, COLOR: TBD	TRAINING ROOM COUNTER
SPECIALTY PRODUCTS AND FINISHES			
SP1		EPOXY FLOORING, MATCH EXISTING	
SP2	MARLITE	FRP; COLOR: TBD	WALL PROTECTION

GENERAL NOTES

1. IF AT ANY TIME THE GENERAL CONTRACTOR REQUIRES CLARIFICATION OF FINISH LOCATIONS, CONTACT PROJECT ARCHITECT PRIOR TO FINISH APPLICATION.
2. PATCH AND REPAIR ALL WALLS WITHIN SCOPE, PREP FOR NEW WALL FINISH.
3. CLEAN AND PAINT EXISTING EXPOSED CONDUIT, DIFFUSERS, AND ACCESS PANELS TO MATCH ADJACENT WALL.
4. PAINT DOORS AND DOOR FRAMES WITHIN SCOPE TO MATCH ADJACENT WALL.
5. PROTECT ALL (E) BUILT IN ELEMENTS TO REMAIN PRIOR TO PAINTING
6. ALL FLOORS AND WALL BASE WITHIN SCOPE TO BE PATCHED AND REPAIRED TO MATCH IN KIND U.N.O.
7. REPLACE ALL DEVICE/OUTLET PLATES TO MATCH.

INTERIOR FINISH REMARKS

1. SEE REFLECTED CEILING PLAN FOR CLARIFICATION ON CEILING TYPES AND FINISH.
2. SEE INTERIOR ELEVATIONS FOR FINISH CLARIFICATION AND LOCATION.
3. PAINT ELECTRICAL PANEL DOORS AND FIRE EXTINGUISHER CABINETS TO MATCH ADJACENT WALL UNO.
4. FLOORING AND COVED BASE SHALL HAVE WELDED SEAMS TO MATCH DARKEST ADJACENT FLOORING

CASEWORK LEGEND AND NOTES

NOTES

1. CASEWORK TO BE TYPE 1, UNO
2. ***PROVIDE CASEWORK LOCKS AS NOTED ON THE INTERIOR ELEVATIONS. (COORDINATE CASEWORK LOCKS, QUANTITY AND LOCATION WITH OWNER)***
3. PROVIDE GROMMETS @ ALL KNEE SPACES. ***COLOR XX/TBD***, LOCATIONS TBD WITH ARCHITECT IN FIELD.
4. ALL CASEWORK SHELVING SHALL BE ADJUSTABLE, UNO.
5. ***PLASTIC LAMINATE DUST CAPS TO MATCH ADJACENT VERTICAL LAMINATE, UNO.***
6. ***COUNTER EDGE BANDING TO BE 3MIL GREENLINE ABS EDGEBANDING, TO MATCH HORIZONTAL SURFACE.***
7. ***DRAWER AND DOOR EDGE BANDING TO BE 3 MIL EDGE BANDING TO MATCH VERTICAL SURFACE.***
8. ***ALL CASEWORK SHALL MEET KAISER CASEWORK STANDARDS/ ALL CASEWORK MUST MEET W.I. CUSTOM CASEWORK STANDARD CERTIFICATION***

TYPE 1

HORIZONTAL: ***PL1***; VERTICAL: ***SS1***; BASE: ***USE BASE SPECIFIED IN ROOM (STANDARD UPPERS AND LOWERS) (TYPICAL UNO)***

MATERIAL CODES

1	CONCRETE
2	PLYWOOD (DECKING)
3	CONCRETE MASONRY UNIT
4	BRICK
5	GYPSUM WALLBOARD
6	GYPSUM WALLBOARD, WATER RESISTANT
7	EXPOSED STRUCTURE
8	CEMENTITIOUS WALLBOARD
E	EXISTING
OTS	OPEN TO STRUCTURE

LIONÄKIS

2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

SEAL

LICENSED ARCHITECT JENNIFER MARIE QUIGLEY C34697 REGISTERED PROFESSIONAL ARCHITECT EXP. DATE 11-30-2 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

PROJECT

MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE

INTERIOR FINISH LEGEND AND SCHEDULE

SHEET

A-641

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

Autodesk Docs://026030 SCUSD HS Training Rooms/026030_ARCH/ISTR_R24_CENTRAL.rvt

5/20/2026 4:22:27 PM

PLUMBING ABBREVIATIONS

(E)	EXISTING	KW, KWH	KILOWATTS, KILOWATT HOUR
(FA)	FROM ABOVE	LAT	LEAVING AIR TEMPERATURE
(FB)	FROM BELOW	LAV	LAVATORY
(N)	NEW	LBS	POUNDS
ABC	ABOVE CEILING	MAX	MAXIMUM
ABV	ABOVE	MECH	MECHANICAL
ACC DR	ACCESS DOOR	MEOR	MECHANICAL ENGINEER OF RECORD
AD	AREA DRAIN	MFR	MANUFACTURER
ADA	AMERICAN WITH DISABILITIES ACT	MIN	MINIMUM
AF	ABOVE FLOOR	MS	MOP SINK
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AFG	ABOVE FINISHED GRADE	NO	NORMALLY OPEN
AP	ACCESS PANEL	NTS	NOT TO SCALE
ARCH	ARCHITECTURAL	OC	ON CENTER
BFP	BACKFLOW PREVENTER	OD	OVERFLOW DRAIN
BLDG	BUILDING	OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED
BLW	BELOW	OFOI	OWNER FURNISHED & OWNER INSTALLED
BOF	BOTTOM OF FOOTING	OH	OVERHEAD
BV	BALL VALVE	PG	PRESSURE GAUGE
CC	CENTER TO CENTER	PH OR ø	PHASE
CD	CONDENSATION DRAIN	PLBG	PLUMBING
CI	CAST IRON	PLD	PLANTER DRAIN
CLG	CEILING	POC	POINT OF CONNECTION
CLR	CLEAR	POD	POINT OF DISCONNECTION
CO	CLEANOUT	PRV	PRESSURE REDUCING VALVE
CONC	CONCRETE	PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
CONN	CONNECTION	QTY	QUANTITY
CONT	CONTINUATION	RD	ROOF DRAIN
CONTR	CONTRACTOR	RE	RIM ELEVATION
COTG	CLEANOUT TO GRADE	S or SK	SINK
CV	CHECK VALVE	SD	STORM DRAIN
CWH	COLD WATER HEADER	SEOR	STRUCTURAL ENGINEER OF RECORD
DEG	DEGREE	SH	SHOWER
DF	DRINKING FOUNTAIN	SOV	SHUT OFF VALVE
DFU	DRAINAGE FIXTURE UNIT	SPEC	SPECIFICATION
DIA, ø	DIAMETER, DIAMETER OR PHASE	SQ FT or FT2	SQUARE FEET
DN	DOWN	SQ IN or IN2	SQUARE INCHES
DWG	DRAWING	SS	SERVICE SINK, SANITARY SEWER, STAINLESS STEEL
EEOR	ELECTRICAL ENGINEER OF RECORD	SSD	SUB-SOIL DRAIN
EFF	EFFICIENCY	STD	STANDARD
EL	ELEVATION	STRUC	STRUCTURAL
ELEC	ELECTRICAL	TD	TRENCH DRAIN
EQUIP	EQUIPMENT	TDL	TOTAL DEVELOPED LENGTH
ES	EMERGENCY SHOWER	TEMP	TEMPERATURE
ESEW	EMERGENCY SHOWER AND EYE WASH COMBINATION	THK	THICK
EW	EYE WASH	TMV	THERMOSTATIC MIXING VALVE
EWC	ELECTRIC WATER COOLER	TOC	TOP OF CONCRETE
EXT	EXPANSION TANK	TOD	TOP OF DUCT
F	DEGREES FAHRENHEIT	TOF	TOP OF FOOTING
FCO	FLOOR CLEANOUT	TP	TRAP PRIMER, TOTAL PRESSURE
FD	FLOOR DRAIN	TYP	TYPICAL
FFE	FINISHED FLOOR ELEVATION	UF	UNDER FLOOR
FLR	FLOOR	UG	UNDERGROUND
FPS	FEET PER SECOND	UL	UNDERWRITERS' LABORATORIES
FS	FLOOR SINK	UON	UNLESS OTHERWISE NOTED
FT (') , /FT	FEET, PER FOOT	UR	URINAL
FU	FIXTURE UNIT	US	UNDER SLAB
FV	FLUSH VALVE	UTR	UP THROUGH ROOF
GAL	GALLONS	VLV	VALVE
GPF	GALLONS PER FLUSH	VO	VALVED OUTLET
GPH	GALLONS PER HOUR	VR	VENT RISER
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
GRD	GRADE	VW	VACUUM WASTE
HP	HORSEPOWER	W/	WITH
HR	HOUR	W/O	WITHOUT
HS	HAND SINK	WALL MTD (R)	WALL MOUNTED (RECESSED)
HT	HEIGHT	WC/L	WATER CLOSET & LAVATORY
HW	HOT WATER	WCO	WALL CLEANOUT
HYD	WALL HYDRANT	WH	WALL HYDRANT
IE OR INV	INVERT ELEVATION	WPD	WATER PRESSURE DROP IN FEET OF WATER COLUMN
IN (")	INCH	WSFU	WATER SUPPLY FIXTURE UNIT
KS	KITCHEN SINK	WT	WEIGHT

PLUMBING SYMBOLS

	ANCHOR		PIPE BREAK
	ANGLE VALVE		PIPE CAP
	AQUASTAT		PIPE DOWN
ATMV	ATMOSPHERIC VENT (STEAM OR VAPOR)		PIPE GUIDE
	BACKFLOW PREVENTER, REDUCE PRESSURE, DOUBLE CHECKVALVE		PIPE IN SLEEVE
	BALL VALVE		PIPE UP
	BOTTOM CONNECTION		PLUGGED TEE
	BRANCH - TOP CONNECTION		POINT OF CONNECTION
	CAP ON END OF PIPE		POST INDICATOR VALVE
	CHECK VALVE		PRESSURE GAUGE
	CIRCULATING PUMP		PRESSURE REGULATING VALVE
	CLEANOUT		PRESSURE RELIEF VALVE
	CONT. OF PIPE		PUMP
f	CUBIC FEET OF AIR FLOW PER MINUTE		RAINWATER SPOUT
	CURB VALVE BOX		REDUCER
	EXISTING TO BE ABANDONED, CAP WHERE SHOWN		ROOF DRAIN
	EXISTING TO BE REMOVED, CAP WHERE SHOWN		ROOF DRAIN - DOUBLE
	FIRE HYDRANT		STRAINER
	FLEXIBLE CONNECTOR		TRAP PRIMER
	FLOOR SINK		TWO POSITION CONTROL VALVE
	FLOOR-AREA DRAIN - CIRCLE		UNION OR FLANGE
	FLOOR-AREA DRAIN - SQUARE		VALVE IN RISE/DROP
	FLOW ARROW		VALVE IN VALVE BOX
	GAGE COCK		WALL CLEANOUT
	GATE VALVE		WASHER BOX
	GATE VALVE WITH HOSE ADAPTER		WATER HAMMER ARRESTOR
	GLOBE VALVE		
	LIMIT OF DEMOLITION		
	OVERFLOW DRAIN		

PLUMBING GENERAL NOTES

1. ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE PLUMBING SYSTEM INCLUDING VALVES, REFER TO SPECIFICATION SECTION 08310.
2. OFFSET VENT THROUGH ROOFS 10'-0" MINIMUM FROM AIR INTAKES AND 4'-0" FROM OUTSIDE WALLS.
3. HVAC EQUIPMENT IS SHOWN FOR THE COORDINATION OF UTILITIES ONLY. REFER TO'M' SHEETS FOR MORE INFORMATION.
4. THE CONNECTION OF NATURAL GAS LINES TO EQUIPMENT SHALL INCLUDE A LINE SIZE SHUT-OFF VALVE, UNION AND A MINIMUM 6" LONG DIRT LEG WITH ACCESSIBLE END CAP.
5. THE CONNECTION OF CONDENSATE DRAIN LINES TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP "P"-TRAP AND PLUGGED TEE AT ALL OFFSETS.
6. PROVIDE WATER HAMMER ARRESTORS (WHA) AS INDICATED ON PLUMBING PLANS AND/OR AS DESCRIBED WITHIN DIVISION 22 SPECIFICATIONS. SIZING SHALL BE IN ACCORDANCE WITH PDI STANDARD WH-201.
7. FOR PIPES PASSING THROUGH, UNDER OR PARALLEL TO BUILDING FOOTINGS, RETAINING WALLS ETC. REFER TO STRUCTURAL DETAILS, 'S' SHEETS, FOR TYPICAL ARRANGEMENT.
8. CONTRACTOR SHALL FIELD VERIFY ALL POINTS OF CONNECTION TO SITE PIPING (LOCATIONS AND INVERT) PRIOR TO EXCAVATION, FABRICATION AND INSTALLATION OF ASSOCIATED PIPING RUNS. NOTIFY ARCHITECT AND OR ENGINEER IMMEDIATELY IF POINTS OF CONNECTION OR INVERTS ARE DIFFERENT THAN REPRESENTED ON THE DRAWINGS.
9. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
10. PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
11. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
12. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE, EXACT LOCATIONS, SIZES, AND ELEVATIONS OF ALL ITEMS SHOWN PRIOR TO THE INSTALLATION OF ANY NEW WORK.
13. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
14. ALL VALVES SHOWN SHALL BE FULL LINE SIZE UNLESS OTHERWISE NOTED.
15. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLATION OF NEW. IDENTIFY SIZE AND LOCATIONS OF ALL PENETRATIONS THROUGH FOUNDATIONS, WALLS OR ROOFS PRIOR TO FABRICATION OF ANY SYSTEMS OR ORDERING MATERIALS AFFECTED BY POSSIBLE COORDINATION CONFLICTS.
16. CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT TZ2 3/8" WITH EMBEDMENT AS PER STRUCTURAL PLANS. ANCHORS SHALL BE TESTED PER IR 19-1, INTERPRETIVE REGULATION FOR EXPANSION ANCHORS IN HARDENED CONCRETE. ANCHOR TEST SHALL BE 968 LBS. TENSION.
17. PIPING SHALL BE SUPPORTED AND BRACED IN STRICT COMPLIANCE WITH DIVISION 22 SPECIFICATIONS.
18. PENETRATION OF PIPES, CONDUITS, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
19. ALL NEW SANITARY WASTE PIPING SHOWN SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED ON PLANS. WHERE SLOPES LESS THAN 1/4" PER FOOT ARE INDICATED, CONTRACTOR SHALL SLOPE NEW PIPING UNIFORMLY BETWEEN UPPER TERMINAL OF PIPE AND THE POINT OF CONNECTION TO THE SITE PIPING (AS INDICATED ON THE CIVIL PLANS) TO ACHIEVE MAXIMUM SLOPE POSSIBLE AND IN NO CASE SHALL THE PIPING BE SLOPED LESS THAN THE MINIMUM INDICATED.
20. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
21. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.

FIRESTOPPING

1. PACK THE ANNULAR SPACE BETWEEN THE PIPE SLEEVES AND THE PIPE THROUGH ALL FLOORS AND WALLS WITH UL LISTED FIRE STOP, AND SEALED AT THE ENDS. ALL PIPE PENETRATIONS SHALL BE UL LISTED, HILTI, 3M PRO-SET, OR EQUAL.
   A. INSTALL FIRE CAULKING BEHIND MECHANICAL SERVICES INSTALLED WITHIN FIRE RATED WALLS, TO MAINTAIN CONTINUOUS RATING OF WALL CONSTRUCTION.
2. PROVIDE SPECSEAL SYSTEMS UL FIRE RATED SLEEVE/COUPLING PENETRATORS FOR EACH PIPE PENETRATION OR FIXTURE OPENING PASSING THROUGH FLOORS, WALLS, PARTITIONS OR FLOOR/CEILING ASSEMBLIES. ALL PENETRATORS SHALL COMPLY WITH UL FIRE RESISTANCE DIRECTORY (LATEST EDITION), AND IN ACCORDANCE WITH CHAPTER 7, 2025 CBC REQUIREMENTS.
3. SLEEVE PENETRATORS SHALL HAVE A BUILT IN ANCHOR RING FOR WATERPROOFING AND ANCHORING INTO CONCRETE POURS OR USE THE SPECIAL FIT CORED HOLE PENETRATOR FOR CORED HOLES.
4. COPPER AND STEEL PIPING SHALL HAVE SPECSEAL PLUGS ON BOTH SIDES OF THE PENETRATOR TO REDUCE NOISE AND TO PROVIDE WATERPROOFING.
5. ALL ABOVE SYSTEMS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ALTERNATE FIRESTOPPING SYSTEMS ARE ACCEPTABLE IF APPROVED EQUAL. HOWEVER, ANY DEVIATION FROM THE ABOVE SPECIFICATION REQUIRES THE CONTRACTOR TO BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE PROPOSED PRODUCTS AND THEIR INTENDED USE, AND THE CONTRACTOR SHALL ASSUME ALL RISKS AND LIABILITIES WHATSOEVER IN CONNECTION THEREWITH.

PLUMBING SHEET LIST

Sheet Number	Sheet Name
P-001	PLUMBING LEGENDS & NOTES
P-111	PLUMBING FLOOR PLAN
PD111	PLUMBING DEMO FLOOR PLAN

PIPING, DUCTWORK & 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, 13.6.6, 13.6.7, 13.6.8; AND 2025 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP ☐ MD ☐ PP ■ E ☐ OPTION 1: PROJECT SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DFERRED SUBMITTAL.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 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 OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF THAT DIRECTLY SUPPORT THE EQUIPMENT ARE TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

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 DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	S-1	SINK COUNTER MOUNTED HOT AND COLD WATER ADMIN/CONF./NURSE	"ELKAY" MODEL LRADQ2221965 19-1/2" FRONT TO BACK, 22" WIDE x 6-1/2" DEPTH OVERALL. 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST MODEL 50-E35ABCP GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR AND RIGID/SWING FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL. PROVIDE WALL CLEANOUT.		2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	IM-1	REFRIGERATOR ICE MAKER CONNECTION BOX	"GUY GRAY" MODEL 88533 LEAD FREE ICE MAKER HOOK-UP WITH WATER HAMMER ARRESTOR, QUARTER TURN VALVE, POWDER-COATED COLD ROLLED STEEL BOX, 7" HIGH X 7" WIDE, ½" SWEAT CONNECTION.¼" OUTLET.	INTEGRAL	INTEGRAL	PROVIDE STAINLESS STEEL BOX AND STAINLESS STEEL FACE PLATE.	-	-	-	1/2"	1/4"	-	-
	TP	TRAP PRIMER	MIFAB "M-500" SERIES, 3 PSI PRESSURE DROP, PROVIDE SOV & INVERTED U PIPE AT CONNECTION TO MAIN TO AVOID CLOGGING ORIFICE. FLUSH WATER SYSTEM PRIOR TO INSTALLATION.		RECESSED BOX ENCLOSING THE WHOLE TP ASSEMBLY SHALL BE MADE WATER-TIGHT. ANY SPILLS FROM THE TRAP PRIMER SHALL SHEET FLOW OUT FROM THE SLOPED BASE OF THE BOX. PER SCHOOL DISTRICT, PROVIDE DRAIN FUNNEL DIAMETER GREATER THAN THE TP VALVE DIAMETER, AND WITH TP VALVE DISCHARGE (PORT)	PROVIDE ACCESS PANEL, SEE DETAIL 7/2P-501	-	-	-	1/2"	1/2"	-	-
	FS-1	FLOOR SINK	MECHANICAL SPACES - ZURN MODEL ZN-1901-KC-2, OR EQUAL, 12 INCH x 12 INCH x 8 INCH DEEP, A.R.E. INTERIOR WITH NICKEL BRONZE RIM, HALF GRATE AND DOME STRAINER.	PROVIDE SEEPAGE PAN AND CLAMPING COLLAR.	PROVIDE P-TRAP & TRAP PRIMER		2" 4"	2" 4"	2" 4"	-	-	-	-

LIONAKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER KEVIN D. STILLWELL No. M 33428 MECHANICAL STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

capital engineering
RANCHO CORDOVA, CALIFORNIA

KS-MB/JV	2602241.00
PM - DESIGN TEAM	PROJECT NO.

SEAL

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

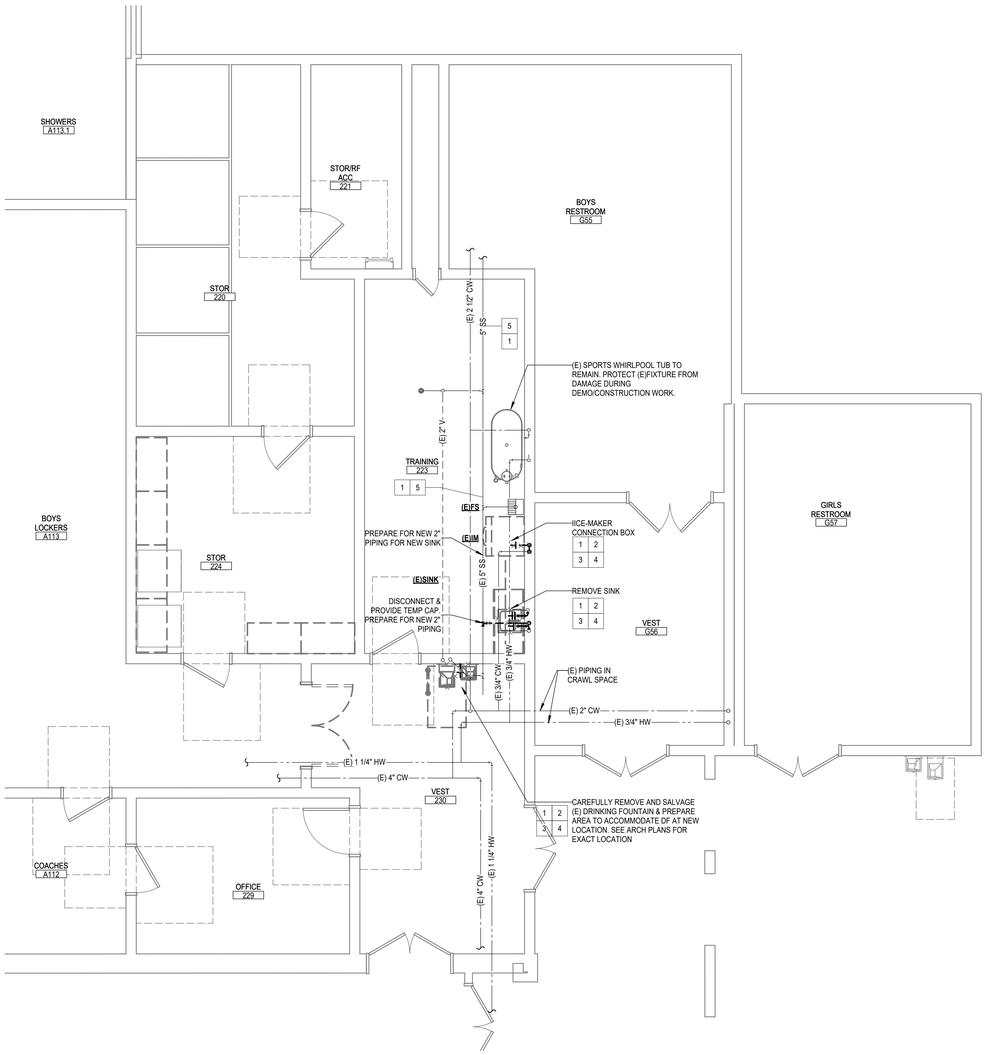
LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE
PLUMBING LEGENDS & NOTES

SHEET
P-001

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://McClatchy HS Training Room Mod - SCUSD/2602241.00_McClatchy HS_Training Room Mod_SCUSD_P24_Central.rvt
5/21/2026 11:35:42 AM



1 / PD111 PLUMBING DEMO FLOOR PLAN - TRAINING ROOM

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

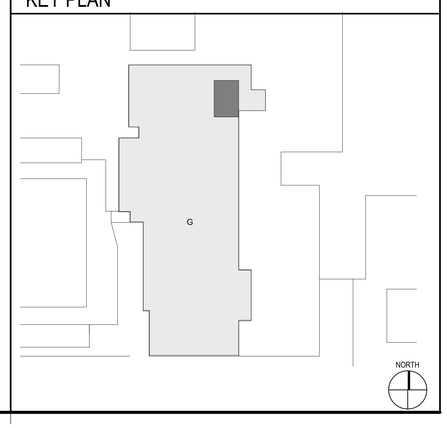
PLUMBING SHEET NOTES:

1. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
2. THE EXISTING PLUMBING LAYOUT IS BASED FROM AVAILABLE RECORD DRAWINGS OF UNCERTAIN ACCURACY. ACTUAL CONDITIONS MAY DIFFER, PARTICULARLY IN CONCEALED SPACES AND/OR UNDERGROUND AREAS. THE CONTRACTOR SHALL CONDUCT A THOROUGH INVESTIGATION OF THE EXISTING PIPE ROUTE, ELEVATION, SIZE, AND CONDITION THROUGH VISUAL INSPECTIONS, POT-HOLING, RADAR SCANS, OR OTHER APPROPRIATE METHODS PRIOR TO THE INSTALLATION OF NEW PIPING. THE WORK SHALL BE SCHEDULED TO ALLOW SUFFICIENT TIME TO ADDRESS ANY DISCREPANCIES THAT MAY ARISE FROM VERIFIED INFORMATION. ALL FINDINGS MUST BE DOCUMENTED IN THE SHOP DRAWINGS FOR COORDINATION AMONG TRADES AND REFLECTED IN THE AS-BUILT DRAWINGS.
3. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REMOVE ALL INACTIVE PLUMBING PIPING ENCOUNTERED/VISIBLE WITHIN WORK AREA. CAP BEHIND ARCHITECTURAL FINISHES. REFLECT CAP LOCATIONS ON AS-BUILT DRAWINGS.
4. PROVIDE SLAB/WALL DEMOLITION WORK AS NECESSARY TO REMOVE, REPLACE, REROUTE OR ADD PIPING. PATCH BACK TO MATCH EXISTING.
5. SEE GEOTECH REPORT FOR TRENCHING REQUIREMENTS, GROUND WATER ELEVATION, CORROSIVITY TO METAL PIPE, AND OTHER SOILS INFORMATION.
6. ALL EXISTING FACILITIES TO REMAIN SHALL BE IN OPERATION DURING TIME OF CONSTRUCTION. COORDINATE CONSTRUCTION WORK ACTIVITIES AND SCHEDULE OF SUCH WORK WITH OWNER. CONTRACTOR SHALL INCLUDE IN BID MEANS AND/OR METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY SYSTEMS, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. TEMPORARY SYSTEMS SHALL INCLUDE BUT NOT LIMITED TO PIPING, ISOLATION VALVES, GAS METERS, BACKFLOW DEVICES, AND ANY TEMPORARY STRUCTURE THAT MAY BE REQUIRED FOR THE INSTALLATION OF SUCH TEMPORARY FACILITIES. FINAL UTILITY SHUT DOWNS AND WORK AREA CLOSURES SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
7. CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, GENERAL ORDER, ORIENTATION AND FLOW DIRECTION OF SYSTEM COMPONENTS SHOWN ON PLANS. ADJUST PIPE ELEVATIONS OR ROUTING TO AVOID STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE. IF NECESSARY & ONCE AMICABLE BETWEEN TRADES. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY PIPE FABRICATION OR INSTALLATION.
8. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED ELSEWHERE WITHIN THE CONTRACT, THE CONTRACTOR SHALL PREPARE AND MAINTAIN COMPLETE AS-BUILT DRAWINGS FOR ALL PLUMBING SYSTEMS AS INSTALLED IN THE FIELD. THESE INFORMATION SHALL BE DRAFTED DIRECTLY OVER THE DESIGN DRAWINGS, OR, ALTERNATIVELY, PROVIDE A FINAL COORDINATED SHOP DRAWINGS SHEETS COMPILED TOGETHER WITH THE APPROVED DESIGN SHEETS ON TO A SINGLE PDF DOCUMENT. AS-BUILT DOCUMENTS SHALL BE KEPT CURRENT AND MADE READILY AVAILABLE FOR REVIEW BY THE PROJECT INSPECTOR, ENGINEER, OR OWNER UPON REQUEST.
   AS-BUILT DRAWINGS SHALL CLEARLY DOCUMENT ALL CHANGES, REVISIONS, CLARIFICATIONS, AND SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO:
   A. EXACT ROUTING OF ALL PIPING, PARTICULARLY CONCEALED AND UNDERGROUND SYSTEMS
   B. UPDATED ELEVATIONS OF UNDERGROUND PIPING
   C. ACTUAL INSTALLED PIPE SIZES
   D. DIMENSIONS FROM WALLS OR GRID LINES FOR ANY REROUTED PIPING
   E. REFERENCES TO ASSOCIATED RFI, CCD, OR ASI NUMBERS WHERE APPLICABLE
   F. ANY INFORMATION NECESSARY TO DESCRIBE HOW SYSTEMS AND COMPONENTS WERE INSTALLED OR HOW THEY DIFFER FROM THE ORIGINAL DESIGN INTENT
   NOTE: CITATION OF AN RFI, CCD, OR ASI ALONE SHALL NOT CONSTITUTE A COMPLETE AS-BUILT RECORD. HIGH-QUALITY, ACCURATE AS-BUILT DRAWINGS ARE CRITICAL FOR LONG-TERM FACILITY MAINTENANCE AND SERVE AS THE BASIS FOR FUTURE CONSTRUCTION OR SYSTEM MODIFICATIONS. FUTURE DESIGNERS AND CONTRACTORS WILL RELY ON THIS INFORMATION. THE CONTRACTOR SHALL IDENTIFY ALL AS-BUILT SHEETS WITH AN "AS-BUILT" TAG AND INCLUDE CONTRACTOR IDENTIFICATION INFORMATION.
9. CONNECT WASTE, VENT & COLD WATER LINES TO ALL NEW FIXTURES. SEE FIXTURE SCHEDULE FOR BRANCH AND FIXTURE OUTLET/INLET CONNECTION SIZES.
10. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN PRACTICAL ALIGNMENT WITH A UNIFORM SLOPE OF NOT LESS THAN 2 PERCENT TOWARD THE POINT OF DISPOSAL. WHERE THIS IS IMPRACTICAL DUE TO STRUCTURAL CONDITIONS OR WHEN MATCHING THE INVERT OF EXISTING UPSTREAM OR DOWNSTREAM PIPING MAKES A 2 % SLOPE UNACHIEVABLE. THE PIPE MAY BE SLOPED NO LESS THAN 1%. COORDINATE SHOP DRAWINGS AMONG ALL TRADES PRIOR TO FABRICATION AND INSTALLATION, AND REFLECT ALL REVISIONS IN THE AS BUILT DRAWINGS.
11. COORDINATE ALL CONNECTION POINTS AMONGST TRADES AT SITE PRIOR TO FABRICATION OR INSTALLATION.
12. ALL PIPING WITHIN EXPOSED CEILING SHALL NEATLY RUN AS HIGH AS POSSIBLE. PRESSURED LINES DROPPING DOWN UNDERNEATH BEAM AND RISING BACK SHALL BE AS CLOSE TO UNDERSIDE OF BEAM AS POSSIBLE. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY INSTALLATION. PRIME AND PAINT TO MATCH SURROUNDING.
13. ALL PUMPED CONDENSATE DRAIN LINES (PCD) SHALL SLOPE AND DISCHARGE DOWN TO A GRAVITY CD BY A MINIMUM OF 6" TO AVOID BACKFLOW TO MECH UNIT.
14. ALL VALVES ABOVE CEILING, ACCESSIBLE THRU ACCESS PANELS WITH AN OPENING OF NO MORE THAN 14"X14", SHALL BE WITHIN ARMS REACH FROM THE ACCESS PANEL OPENING.
15. PRIME AND PAINT ALL EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH. KEEP PAINT OFF OF TAGS AND MARKS IDENTIFYING SYSTEM, SIZE, MODEL OR OTHER IMPORTANT INFORMATION.
16. PROTECT ALL INSTALLED DRAINS, DRAIN STRAINERS, EQUIPMENT COMPONENTS, FIXTURES ESPECIALLY THOSE WITH STAINLESS STEEL SURFACES FROM DAMAGE. PLUMBING SYSTEM SHALL BE CLEAN, UNDAMAGED, WORKING AND IN NEW CONDITION UP TO HAND OFF TO OWNER. SEE SPECIFICATIONS FOR MORE INFORMATION ON CLOSING DOC
17. NO EXPOSED PIPING SHALL BE LEFT TO RUST OR SUBJECTED TO CONDITIONS DETRIMENTAL TO THE PIPE WITHOUT PROVIDING PROTECTION, TEMPORARY OR OTHERWISE, SUITABLE FOR THE TYPE OF PIPE BEING PROTECTED.
18. NO PLUMBING PIPING SHALL BE INSTALLED UNDER OR THROUGH SPREAD FOOTINGS, UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS. CLOSELY COORDINATE PENETRATIONS THRU STRUCTURAL MEMBERS AMONGST TRADES AT THE SITE THRU SHOP DRAWINGS PRIOR TO CONSTRUCTION AND WELL AHEAD OF CONCRETE FOUNDATION POUR. PENETRATION THRU CONCRETE FOUNDATION SHALL BE PROPERLY SLEEVED WHEN REQUIRED WHERE ALLOWED. COORDINATE DROPPING AND STEPPING FOOTINGS IF REQUIRED. ALL NOTCHES AND HOLES ALLOWED ON ABOVE GROUND COMPONENTS PER STRUCTURAL DRAWINGS SHALL BE NEATLY BORED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
19. THERE SHALL BE NO PIPING WITHIN ELECTRICAL EQUIPMENT'S DEDICATED SPACE. ELECTRICAL EQUIPMENT SUCH AS PANEL BOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS LOCATED INDOORS MUST HAVE EXCLUSIVE DEDICATED SPACE FROM THE FLOOR UPWARD TO 6FT ABOVE THE EQUIPMENT, THE WIDTH AND DEPTH OF THE EQUIPMENT. COORDINATE SHOP DRAWINGS AMONGST TRADES LOCATING ALL ELECTRICAL EQUIPMENT PRIOR TO ANY PIPE INSTALLATION. THERE SHALL ALSO BE NO PIPING ABOVE THE DEDICATED SPACE BEYOND 6FT ABV PANEL UNLESS PROTECTION IS PROVIDED FOR EQUIPMENT SHOULD THE PIPING LEAK OR BREAK. CEC 110.26 (E)
20. CONTRACTOR TO AVOID GROUNDING ELECTRICAL HARDWARES SUCH AS TELEPHONES TO AVAILABLE WATER LINES, WHEN POSSIBLE TO AVOID METALLIC TASTE IN WATER FROM DRINKING FOUNTAINS. CONTRACTOR MAY PROVIDE PLASTIC

PLUMBING KEYNOTES:

1. VERIFY ACTUAL SIZE AND LOCATION OF EXISTING PIPING, INCLUDING ANY LATENT OR CONCEALED CONDITIONS SUCH AS THOSE WITHIN WALLS, ABOVE CEILINGS, OR UNDERGROUND. INCORPORATE VERIFIED FIELD INFORMATION INTO SHOP DRAWINGS FOR TRADE COORDINATION WELL AHEAD OF INSTALLATION. UPDATE AS-BUILT DRAWINGS TO REFLECT ANY DEVIATIONS FROM THE DRAWINGS.
2. VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT PATH OF NEW PIPING WELL AHEAD OF INSTALLATION. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS AND COORDINATE AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REROUTE PIPING IF REQUIRED, REFLECT ON AS-BUILT DRAWINGS IF DIFFERENT FROM HEREWITH.
3. SEE STRUCTURAL DRAWINGS FOR PROVISIONS ON & REQUIREMENTS WHEN RUNNING PIPE THROUGH, BELOW OR IN CLOSE PROXIMITY TO STRUCTURAL COMPONENTS. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO START OF ANY INSTALLATION WORK.
4. REMOVE & DISPOSE OF EXISTING PLUMBING FIXTURE AND RELATED SUPPORTS & APPURTENANCES. UNLESS SHOWN OTHERWISE. PROVIDE TEMPORARY CAP AND PREPARE AREA TO EXTEND AND/OR ADJUST UTILITIES TO NEW FIXTURE LOCATION WHEN NEEDED. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT.
5. CLEAN AND FLUSH ALL EXISTING SEWER LINES DOWNSTREAM OF NEW FIXTURES TO 5FT OUTSIDE BUILDING. INSPECT THE EXISTING PIPE CONDITION USING A PIPE CAMERA AND RECORD VIDEO FROM THIS LOCATION FOR A DISTANCE OF UP TO 5 FEET. TURN-OVER VIDEO TO OWNER.

KEY PLAN



LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. STILLWELL
No. M 33428
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

capital engineering
RANCHO CORDOVA, CALIFORNIA

KS-MB/JV	2602241.00
PM - DESIGN TEAM	PROJECT NO.

SEAL

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

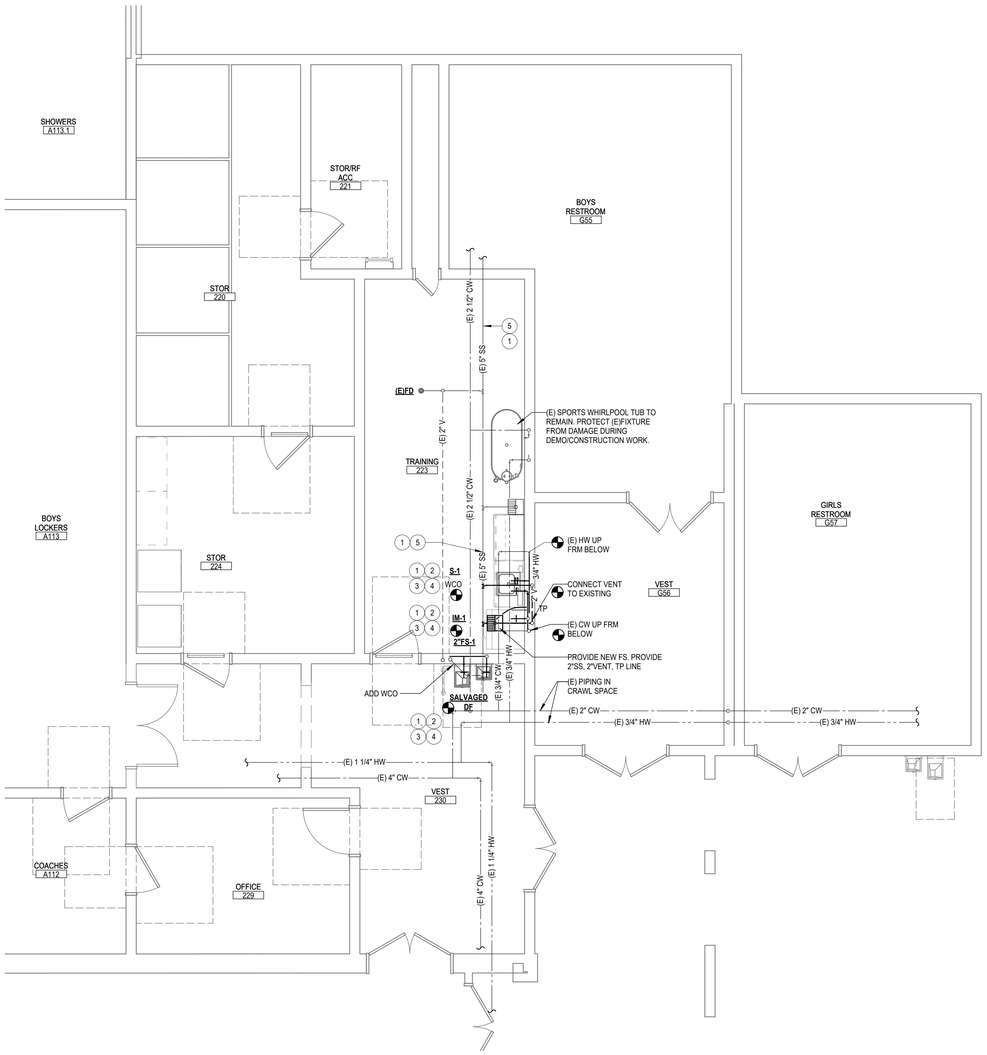
MANAGEMENT

LIONAKIS PROJECT NO:	026030
COPYRIGHT:	LIONAKIS 2017

TITLE
PLUMBING DEMO
FLOOR PLAN

SHEET
PD111

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
0 1/4" 1/2" 1" 2"
Autodesk Docs://McClatchy HS Training Room Mod - SCUSD/026241.00_McClatchy HS_Training Room Mod_SCUSD_P24_Central.rvt
5/21/2026 11:35:43 AM



1 / P-111 PLUMBING FLOOR PLAN - TRAINING ROOM

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

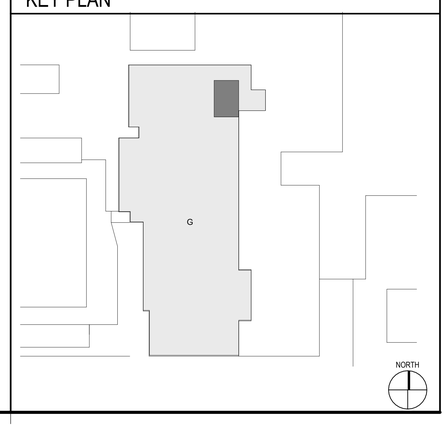
PLUMBING SHEET NOTES:

1. ANY MATERIAL REQUIRED FOR WORK NOT READILY AVAILABLE FOR PURCHASE SHALL HAVE LEAD TIME INDICATED ON THE BID AND ON THE SUBMITTALS. SUCCESSFUL PROCUREMENT OF ALL MATERIALS REQUIRED FOR THE COMPLETION OF WORK SHALL BE ASCERTAINED BY CONTRACTOR PRIOR TO SCHEDULING OF WORK.
2. THE EXISTING PLUMBING LAYOUT IS BASED FROM AVAILABLE RECORD DRAWINGS OF UNCERTAIN ACCURACY. ACTUAL CONDITIONS MAY DIFFER, PARTICULARLY IN CONCEALED SPACES AND/OR UNDERGROUND AREAS. THE CONTRACTOR SHALL CONDUCT A THOROUGH INVESTIGATION OF THE EXISTING PIPE ROUTE, ELEVATION, SIZE, AND CONDITION THROUGH VISUAL INSPECTIONS, POT-HOLING, RADAR SCANS, OR OTHER APPROPRIATE METHODS PRIOR TO THE INSTALLATION OF NEW PIPING. THE WORK SHALL BE SCHEDULED TO ALLOW SUFFICIENT TIME TO ADDRESS ANY DISCREPANCIES THAT MAY ARISE FROM VERIFIED INFORMATION. ALL FINDINGS MUST BE DOCUMENTED IN THE SHOP DRAWINGS FOR COORDINATION AMONG TRADES AND REFLECTED IN THE AS-BUILT DRAWINGS.
3. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REMOVE ALL INACTIVE PLUMBING PIPING ENCOUNTERED/VISIBLE WITHIN WORK AREA. CAP BEHIND ARCHITECTURAL FINISHES. REFLECT CAP LOCATIONS ON AS-BUILT DRAWINGS.
4. PROVIDE SLAB/WALL DEMOLITION WORK AS NECESSARY TO REMOVE, REPLACE, REROUTE OR ADD PIPING. PATCH BACK TO MATCH EXISTING.
5. SEE GEOTECH REPORT FOR TRENCHING REQUIREMENTS, GROUND WATER ELEVATION, CORROSIVITY TO METAL PIPE, AND OTHER SOILS INFORMATION.
6. ALL EXISTING FACILITIES TO REMAIN SHALL BE IN OPERATION DURING TIME OF CONSTRUCTION. COORDINATE CONSTRUCTION WORK ACTIVITIES AND SCHEDULE OF SUCH WORK WITH OWNER. CONTRACTOR SHALL INCLUDE IN BID MEANS AND/OR METHODS REQUIRED FOR THE WORK INCLUDING ANY REQUIRED SERVICE SHUT DOWNS, TEMPORARY SYSTEMS, ROAD CLOSURES, SPECIAL INSPECTIONS, ETC. TO ACCOMPLISH SCOPE. TEMPORARY SYSTEMS SHALL INCLUDE BUT NOT LIMITED TO PIPING, ISOLATION VALVES, GAS METERS, BACKFLOW DEVICES, AND ANY TEMPORARY STRUCTURE THAT MAY BE REQUIRED FOR THE INSTALLATION OF SUCH TEMPORARY FACILITIES. FINAL UTILITY SHUT DOWNS AND WORK AREA CLOSURES SHALL BE AMICABLE BETWEEN OWNER AND CONTRACTOR.
7. CONTRACTOR SHALL FOLLOW GENERAL PIPE ROUTE AND VALVE LOCATIONS, GENERAL ORDER, ORIENTATION AND FLOW DIRECTION OF SYSTEM COMPONENTS SHOWN ON PLANS. ADJUST PIPE ELEVATIONS OR ROUTING TO AVOID STRUCTURAL COMPONENTS & OTHER BUILDING COMPONENTS WHEN POSSIBLE. IF NECESSARY & ONCE AMICABLE BETWEEN TRADES. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY PIPE FABRICATION OR INSTALLATION.
8. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED ELSEWHERE WITHIN THE CONTRACT, THE CONTRACTOR SHALL PREPARE AND MAINTAIN COMPLETE AS-BUILT DRAWINGS FOR ALL PLUMBING SYSTEMS AS INSTALLED IN THE FIELD. THESE INFORMATION SHALL BE DRAFTED DIRECTLY OVER THE DESIGN DRAWINGS, OR, ALTERNATIVELY, PROVIDE A FINAL COORDINATED SHOP DRAWINGS SHEETS COMPILED TOGETHER WITH THE APPROVED DESIGN SHEETS ON TO A SINGLE PDF DOCUMENT. AS-BUILT DOCUMENTS SHALL BE KEPT CURRENT AND MADE READILY AVAILABLE FOR REVIEW BY THE PROJECT INSPECTOR, ENGINEER, OR OWNER UPON REQUEST.
   AS-BUILT DRAWINGS SHALL CLEARLY DOCUMENT ALL CHANGES, REVISIONS, CLARIFICATIONS, AND SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO:
   A. EXACT ROUTING OF ALL PIPING, PARTICULARLY CONCEALED AND UNDERGROUND SYSTEMS
   B. UPDATED ELEVATIONS OF UNDERGROUND PIPING
   C. ACTUAL INSTALLED PIPE SIZES
   D. DIMENSIONS FROM WALLS OR GRID LINES FOR ANY REROUTED PIPING
   E. REFERENCES TO ASSOCIATED RFI, CCD, OR ASI NUMBERS WHERE APPLICABLE
   F. ANY INFORMATION NECESSARY TO DESCRIBE HOW SYSTEMS AND COMPONENTS WERE INSTALLED OR HOW THEY DIFFER FROM THE ORIGINAL DESIGN INTENT
   NOTE: CITATION OF AN RFI, CCD, OR ASI ALONE SHALL NOT CONSTITUTE A COMPLETE AS-BUILT RECORD. HIGH-QUALITY, ACCURATE AS-BUILT DRAWINGS ARE CRITICAL FOR LONG-TERM FACILITY MAINTENANCE AND SERVE AS THE BASIS FOR FUTURE CONSTRUCTION OR SYSTEM MODIFICATIONS. FUTURE DESIGNERS AND CONTRACTORS WILL RELY ON THIS INFORMATION. THE CONTRACTOR SHALL IDENTIFY ALL AS-BUILT SHEETS WITH AN "AS-BUILT" TAG AND INCLUDE CONTRACTOR IDENTIFICATION INFORMATION.
9. CONNECT WASTE, VENT & COLD WATER LINES TO ALL NEW FIXTURES. SEE FIXTURE SCHEDULE FOR BRANCH AND FIXTURE OUTLET/INLET CONNECTION SIZES.
10. HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN PRACTICAL ALIGNMENT WITH A UNIFORM SLOPE OF NOT LESS THAN 2 PERCENT TOWARD THE POINT OF DISPOSAL. WHERE THIS IS IMPRACTICAL DUE TO STRUCTURAL CONDITIONS OR WHEN MATCHING THE INVERT OF EXISTING UPSTREAM OR DOWNSTREAM PIPING MAKES A 2 % SLOPE UNACHIEVABLE, THE PIPE MAY BE SLOPED NO LESS THAN 1%. COORDINATE SHOP DRAWINGS AMONG ALL TRADES PRIOR TO FABRICATION AND INSTALLATION, AND REFLECT ALL REVISIONS IN THE AS BUILT DRAWINGS.
11. COORDINATE ALL CONNECTION POINTS AMONGST TRADES AT SITE PRIOR TO FABRICATION OR INSTALLATION.
12. ALL PIPING WITHIN EXPOSED CEILING SHALL NEATLY RUN AS HIGH AS POSSIBLE. PRESSURED LINES DROPPING DOWN UNDERNEATH BEAM AND RISING BACK SHALL BE AS CLOSE TO UNDERSIDE OF BEAM AS POSSIBLE. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO ANY INSTALLATION. PRIME AND PAINT TO MATCH SURROUNDING.
13. ALL PUMPED CONDENSATE DRAIN LINES (PCD) SHALL SLOPE AND DISCHARGE DOWN TO A GRAVITY CD BY A MINIMUM OF 6" TO AVOID BACKFLOW TO MECH UNIT.
14. ALL VALVES ABOVE CEILING, ACCESSIBLE THRU ACCESS PANELS WITH AN OPENING OF NO MORE THAN 14"X14", SHALL BE WITHIN ARMS REACH FROM THE ACCESS PANEL OPENING.
15. PRIME AND PAINT ALL EXPOSED PIPING TO MATCH ARCHITECTURAL FINISH. KEEP PAINT OFF OF TAGS AND MARKS IDENTIFYING SYSTEM, SIZE, MODEL OR OTHER IMPORTANT INFORMATION.
16. PROTECT ALL INSTALLED DRAINS, DRAIN STRAINERS, EQUIPMENT COMPONENTS, FIXTURES ESPECIALLY THOSE WITH STAINLESS STEEL SURFACES FROM DAMAGE. PLUMBING SYSTEM SHALL BE CLEAN, UNDAMAGED, WORKING AND IN NEW CONDITION UP TO HAND OFF TO OWNER. SEE SPECIFICATIONS FOR MORE INFORMATION ON CLOSING DOC
17. NO EXPOSED PIPING SHALL BE LEFT TO RUST OR SUBJECTED TO CONDITIONS DETRIMENTAL TO THE PIPE WITHOUT PROVIDING PROTECTION, TEMPORARY OR OTHERWISE, SUITABLE FOR THE TYPE OF PIPE BEING PROTECTED.
18. NO PLUMBING PIPING SHALL BE INSTALLED UNDER OR THROUGH SPREAD FOOTINGS, UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS. CLOSELY COORDINATE PENETRATIONS THRU STRUCTURAL MEMBERS AMONGST TRADES AT THE SITE THRU SHOP DRAWINGS PRIOR TO CONSTRUCTION AND WELL AHEAD OF CONCRETE FOUNDATION POUR. PENETRATION THRU CONCRETE FOUNDATION SHALL BE PROPERLY SLEEVED WHEN REQUIRED WHERE ALLOWED. COORDINATE DROPPING AND STEPPING FOOTINGS IF REQUIRED. ALL NOTCHES AND HOLES ALLOWED ON ABOVE GROUND COMPONENTS PER STRUCTURAL DRAWINGS SHALL BE NEATLY BORED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
19. THERE SHALL BE NO PIPING WITHIN ELECTRICAL EQUIPMENT'S DEDICATED SPACE. ELECTRICAL EQUIPMENT SUCH AS PANEL BOARDS, SWITCHBOARDS AND MOTOR CONTROL CENTERS LOCATED INDOORS MUST HAVE EXCLUSIVE DEDICATED SPACE FROM THE FLOOR UPWARD TO 6FT ABOVE THE EQUIPMENT, THE WIDTH AND DEPTH OF THE EQUIPMENT. COORDINATE SHOP DRAWINGS AMONGST TRADES LOCATING ALL ELECTRICAL EQUIPMENT PRIOR TO ANY PIPE INSTALLATION. THERE SHALL ALSO BE NO PIPING ABOVE THE DEDICATED SPACE BEYOND 6FT ABV PANEL UNLESS PROTECTION IS PROVIDED FOR EQUIPMENT SHOULD THE PIPING LEAK OR BREAK. CEC 110.26 (E)
20. CONTRACTOR TO AVOID GROUNDING ELECTRICAL HARDWARES SUCH AS TELEPHONES TO AVAILABLE WATER LINES, WHEN POSSIBLE TO AVOID METALLIC TASTE IN WATER FROM DRINKING FOUNTAINS. CONTRACTOR MAY PROVIDE PLASTIC

PLUMBING KEYNOTES:

1. VERIFY ACTUAL SIZE AND LOCATION OF EXISTING PIPING, INCLUDING ANY LATENT OR CONCEALED CONDITIONS SUCH AS THOSE WITHIN WALLS, ABOVE CEILINGS, OR UNDERGROUND. INCORPORATE VERIFIED FIELD INFORMATION INTO SHOP DRAWINGS FOR TRADE COORDINATION WELL AHEAD OF INSTALLATION. UPDATE AS-BUILT DRAWINGS TO REFLECT ANY DEVIATIONS FROM THE DRAWINGS.
2. VERIFY EXACT LOCATION OF ALL BUILDING COMPONENTS THAT MAY OBSTRUCT PATH OF NEW PIPING WELL AHEAD OF INSTALLATION. REFLECT VERIFIED INFORMATION ON SHOP DRAWINGS AND COORDINATE AMONGST TRADES PRIOR TO ANY PIPE INSTALLATION. REROUTE PIPING IF REQUIRED, REFLECT ON AS-BUILT DRAWINGS IF DIFFERENT FROM HEREWITH.
3. SEE STRUCTURAL DRAWINGS FOR PROVISIONS ON & REQUIREMENTS WHEN RUNNING PIPE THROUGH, BELOW OR IN CLOSE PROXIMITY TO STRUCTURAL COMPONENTS. COORDINATE ALL SHOP DRAWINGS AMONGST TRADES PRIOR TO START OF ANY INSTALLATION WORK.
4. EXTEND OR ADJUST SEWER, VENT & WATER PIPING FROM NEAREST EXISTING PIPE OF ADEQUATE SIZE TO MATCH NEW FIXTURE CONFIGURATION. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, CLEARANCES AND OTHER INFORMATION. COORDINATE SHOP DRAWINGS AMONGST TRADES WELL AHEAD OF ANY INSTALLATION.
5. CLEAN AND FLUSH ALL EXISTING SEWER LINES DOWNSTREAM OF NEW FIXTURES TO 5FT OUTSIDE BUILDING. INSPECT THE EXISTING PIPE CONDITION USING A PIPE CAMERA AND RECORD VIDEO FROM THIS LOCATION FOR A DISTANCE OF UP TO 5 FEET. TURN-OVER VIDEO TO OWNER.

KEY PLAN



LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. STILLWELL
No. M 33428
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

capital engineering
RANCHO CORDOVA, CALIFORNIA

KS-MB/JV	2602241.00
PM - DESIGN TEAM	PROJECT NO.

SEAL

PROJECT
MCCLATCHY HS TRAINING ROOM

3066 FREEPORT BLVD
SACRAMENTO, CA 95818

CLIENT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

5735 47TH AVE, SACRAMENTO CA 95824

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO: 026030

COPYRIGHT: LIONAKIS 2017

TITLE
PLUMBING FLOOR PLAN

SHEET
P-111

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://McClatchy HS Training Room Mod - SCUSD/2602241.00_McClatchy HS_Training Room Mod_SCUSD_P24_Central.rvt
5/21/2026 11:35:44 AM

PROJECT GENERAL NOTES

"GENERAL NOTES"

1. ELECTRICAL SCOPE SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA ELECTRIC CODE (CEC), CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA MECHANICAL CODE (CMC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72) AND THE CALIFORNIA ENERGY CODE.
2. THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT AND SHALL INCLUDE IN THEIR BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
3. DRAWINGS INDICATE GENERAL ARRANGEMENT OF ELECTRICAL SYSTEMS AND WORK. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND VERIFY EXACT LOCATIONS WITH ARCHITECTURAL FLOOR PLAN AND RCP DRAWINGS. ALSO, CHECK DRAWINGS OF OTHER TRADES TO VERIFY LOCATIONS OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND COORDINATE SPACE CONDITIONS WITH THEIR INSTALLATION. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS.
4. NOT EVERY ELECTRICAL RACEWAY, BOX, CONDUCTOR, ETC., FOR A COMPLETE ELECTRICAL INSTALLATION IS SHOWN ON THESE DRAWINGS. THIS IS DONE FOR CLARITY PURPOSES AND EASE OF INTERPRETING DRAWINGS. PROVIDE ALL ADDITIONAL ITEMS REQUIRED TO MAKE THE ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL.
5. WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THESE DRAWINGS AND SHALL ALSO COMPLY WITH THE ELECTRICAL SPECIFICATIONS. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT OF THE REQUIREMENTS SHALL TAKE PRECEDENT.
6. ALL NEW ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES (UL) LISTED OR ELECTRICAL TESTING LABORATORIES (ETL) LISTED AND BEAR THEIR LABELS.
7. ALL ELECTRICAL MATERIALS SHALL BE NEW AND UNUSED, AND THE SAME MANUFACTURER OF LIKE EQUIPMENT AND/OR SYSTEMS.
8. CONTRACTOR SHALL REMOVE ALL LEFTOVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM THEIR WORK.

"DEMOLITION"

9. ALL EQUIPMENT, DEVICES, LUMINAIRES, AND RACEWAYS SHOWN AS SCREENED LINEWORK ON THESE DRAWINGS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED TO BE REMOVED.
10. ALL EQUIPMENT, DEVICES, LUMINAIRES, AND RACEWAYS SHOWN AS SOLID LINEWORK ON THESE DRAWINGS ARE NEW CONSTRUCTION.
11. THE EXISTING INSTALLATION SHOWN ON THESE DRAWINGS WAS DEVELOPED FROM VARIOUS SOURCES, WHICH WERE NOT ALL FIELD VERIFIED AND NOT ALL CONDITIONS ARE SHOWN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
12. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, AND RACEWAYS DENOTED TO BE DEMOLISHED ON THESE DRAWINGS. LEGALLY DISPOSE OF ALL MATERIALS THAT THE OWNER DOES NOT WANT.
13. RECONNECT EXISTING TO REMAIN DEVICES WHERE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION WORK TO MAINTAIN CONTINUITY. PROVIDE NEW CONNECTIONS TO ANOTHER EXISTING DEVICE OR NEW CIRCUIT BREAKER FROM PANELBOARD. VERIFY CIRCUIT LOADING ON EXISTING CIRCUITS BEFORE MAKING THESE CONNECTION.
14. WHERE EXISTING DEVICES TO BE REMOVED ARE SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL ALSO REMOVE ALL WIRING, CONDUIT, AND BOXES SERVING THE DEVICES, UNLESS CONDUIT AND BOXES CAN BE REUSED IN NEW CONSTRUCTION.
15. WHEN A DEVICE IS REMOVED FROM AN EXISTING WALL TO REMAIN, PATCH WALL TO MATCH EXISTING OR NEW WALL FINISHES.
16. MOUNTING HEIGHTS FOR ALL NEW DEVICES SHALL BE LOCATED TO MATCH EXISTING TO REMAIN DEVICES, UNLESS OTHERWISE NOTED.
17. WHERE ADDITIONAL CIRCUITS ARE REQUIRED AND EXISTING PANELBOARDS HAVE AVAILABLE SPACE, PROVIDE NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS TO MATCH THE AIC RATINGS AND THE MANUFACTURER OF THE EXISTING BREAKERS.
18. CLEAN ALL EXISTING LUMINAIRES TO REMAIN IN AREAS INCLUDED AS PART OF THIS PROJECT SCOPE. RELAMP ALL EXISTING LUMINAIRES WHERE APPROPRIATE.

"GROUNDING"

19. ALL GROUNDING ELECTRODES WITHIN BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM.
20. ALL SEPARATELY DERIVED SYSTEMS SHALL COMPLY WITH CODE, CEC 250.104, FOR BONDING TO METAL WATER PIPING AND STRUCTURAL METAL.
21. FURNISH, INSTALL, AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUND CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDER CONDUITS AND/OR MC CABLES.
22. WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE TO ACCOMMODATE VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL ALSO BE INCREASED IN SIZE PROPORTIONATELY, ACCORDING TO THE CIRCULAR MIL AREA OF UNGROUNDED CONDUCTORS.
23. ALL EQUIPMENT CONNECTED BY PERMANENT WIRING METHODS SHALL BE GROUNDED.

"CONDUCTORS"

24. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST OUTLET OR DEVICE. THE MAXIMUM VOLTAGE DROP ALLOWED ON COMBINED FEEDERS AND BRANCH CIRCUITS SHALL NOT EXCEED 5% TO THE FARTHEST OUTLET OR DEVICE.
25. ALL CONDUCTORS ON THIS PROJECT SHALL BE COPPER.
26. CONDUCTORS 600VOLT OR LESS RATED SHALL UTILIZE THE AMPACITY OF THE 60-DEGREE C COLUMN OF CEC TABLE 310.16 FOR CONDUCTOR SIZES #14 AWG THROUGH #1 AWG. FOR CONDUCTOR SIZES OVER #1 AWG, UTILIZE AMPACITY FROM THE 75-DEGREE C COLUMN OF CEC TABLE 310.16.
27. MULTIWIRE BRANCH CIRCUITS SHALL ORIGINATE FROM THE SAME PANELBOARD.
28. MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES, I.E. HANDLE TIES OR MULTIPOLE CIRCUIT BREAKERS.
29. ALL MULTIWIRE BRANCH CIRCUITS SHOWN WITH THREE (3) CONSECUTIVE PHASE CONDUCTORS (E.G., 1,3,5 OR 4,6,8), NONE SHARING THE SAME PHASE, SHALL INCLUDE A DEDICATED NEUTRAL CONDUCTOR, THREE (3) HOTS AND ONE (1) NEUTRAL. CIRCUITING OUT OF PHASE ORDER (E.G., 1,5,7 OR 4,6,10) WILL REQUIRE AN ADDITIONAL NEUTRAL CONDUCTOR, TWO (2) HOTS AND ONE (1) NEUTRAL PLUS ONE (1) HOT AND ONE (1) NEUTRAL.
30. BRANCH CIRCUIT CONDUCTOR HOMERUNS SHALL BE INSTALLED IN CONDUIT. MC TYPE CABLE SHALL NOT BE USED FOR ANY HOMERUNS ON THIS PROJECT.
31. FEEDER CONDUCTORS SHALL BE INSTALLED IN CONDUIT, UNLESS OTHERWISE NOTED.
32. PROVIDE FEEDER CONDUCTOR SUPPORT IN VERTICAL RACEWAYS AS REQUIRED BY CODE, CEC 300.19.
33. WHERE MORE THAN THREE UNGROUNDED CONDUCTORS ARE ROUTED WITHIN A RACEWAY, THE CONTRACTOR SHALL APPLY THE DERATING FACTOR REQUIRED BY CODE.

"RACEWAYS"

34. MINIMUM CONDUIT TRADE SIZE FOR INTERIOR APPLICATIONS SHALL BE 0.5", UNLESS OTHERWISE NOTED.
35. CONDUIT ROUTING ON DRAWINGS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS, LIMITING BENDS AND BOXES, AND SHALL COORDINATE INSTALLATION WITH WORK OF OTHER TRADES.
36. ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE-RATED WALLS OR FLOORS SHALL BE UL LISTED ASSEMBLIES THAT PROTECTS THE RATED ASSEMBLY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED WALLS AND FLOORS AS APPLICABLE.
37. FOR CONDUITS EMBEDDED IN CONCRETE FLOOR SLABS OR DECKS, THE MAXIMUM CONDUIT TRADE SIZE SHALL NOT EXCEED 1.25" OR 1/3 OF FLOOR THICKNESS, WHICHEVER IS SMALLER. CONDUITS SHALL BE SPACES A MINIMUM OF 6" APART, CENTER-TO-CENTER. COORDINATE LOCATION AND ROUTING WITHIN FLOOR WITH THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
38. ANY BLOCKOUTS AND SLEEVING OF CONCRETE FLOORS SHALL BE PLANNED IN ADVANCED AND COORDINATED WITH THE ARCHITECT AND STRUCTURAL ENGINEER FOR THEIR APPROVALS.
39. ALL CONNECTIONS TO MECHANICAL AND PLUMBING EQUIPMENT SHALL BE MADE WITH A MINIMUM OF 36" SEALTIGHT FLEXIBLE METAL CONDUIT TO PREVENT SOUND AND VIBRATION TRANSMISSION TO THE STRUCTURE.
40. BUILDING EXPANSION JOINTS ARE NOT INDICATED ON THE ELECTRICAL DRAWINGS AND SHALL BE COORDINATED WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INCLUDE FLEXIBLE EXPANSION RACEWAY AND WIRING METHODS AT JOINT LOCATIONS TO MEET THE DEFLECTION AND EXPANSION REQUIREMENTS OF THE BUILDING.
41. PROVIDE INSULATING BUSHINGS OR INSULATED THROAT CONNECTORS AT BOTH ENDS OF ALL CONDUIT SLEEVES.
42. DRAWINGS INDICATE JUNCTION BOXES WITH CONDUIT/CONDUCTOR HOMERUNS FOR BRANCH CIRCUITING, AS WELL AS CIRCUIT NUMBERING ADJACENT TO EQUIPMENT, DEVICES, LUMINAIRES, AND BOXES SERVED. THEY DO NOT INCLUDE CONNECTIONS BETWEEN DEVICES AND/OR LUMINAIRES. CONTRACTOR SHALL PROVIDE ALL RACEWAY AND CONDUCTOR CONNECTIONS BETWEEN THE DEVICES, LUMINAIRES, AND JUNCTION BOXES AS REQUIRED AND COORDINATED WITH FIELD CONDITIONS AND OTHER TRADES.
43. MAINTAIN A MINIMUM OF 12" BETWEEN ELECTRICAL RACEWAYS AND LOW-VOLTAGE TELECOMMUNICATION SYSTEM CABLING, INCLUDING MC CABLING.
44. IN HARD-LID (GYPSUM BOARD) CEILING SPACES, ARRANGE CONDUIT AND CIRCUITING INSTALLATION TO AVOID AND/OR LIMIT THE USE OF JUNCTION BOXES IN OR ABOVE CEILINGS. USE OF JUNCTION BOXES ABOVE CEILINGS SHALL BE LIMITED TO LOCATIONS ACCESSIBLE FROM ACCESS PANELS.
45. ALL JUNCTION AND PULL BOXES SHALL BE SIZED PER CODE TO ACCOMMODATE NUMBER OF CONDUITS AND/OR CONDUCTORS ROUTED TO AND FROM BOXES.
46. RACEWAYS ROUTED IN EXPOSED CEILING AREAS SHALL BE RUN PARALLEL AND AT RIGHT ANGLES TO WALLS WITHIN SPACES. MC CABLE IS NOT ALLOWED IN EXPOSED CEILING SPACES.
47. PROVIDE A PULL WIRE/TAPE IN ALL EMPTY CONDUIT RUNS OVER 15' IN LENGTH.

"ELECTRICAL EQUIPMENT"

48. NO PIPING, DUCTWORK, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE ALLOWED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
49. REQUIRED ELECTRICAL EQUIPMENT WORKING SPACE DEPTH SHALL NOT BE LESS THAN THAT INDICATED IN CEC TABLE 110.26(A)(1). THE WIDTH OF THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THIS REQUIREMENT ALSO APPLIES TO DISCONNECT SWITCHES.
50. FOR EQUIPMENT RATED 1200AMPS OR MORE AND OVER 6.5' WIDE, CONTAINING OVERCURRENT, SWITCHING, AND CONTROL DEVICES, THERE SHALL BE ONE ENTRANCE TO AND EGRESS FROM THE REQUIRED WORKING SPACE LOCATED AT EACH END OF THE WORKING SPACE. NOT LESS THAN 24" WIDE AND 6.5' HIGH. A SINGLE ENTRANCE TO AND EGRESS FROM THE REQUIRED WORKING SPACE SHALL BE PERMITTED WHERE EITHER UNOBSTRUCTED EGRESS OR EXTRA WORKING SPACE IS PROVIDED IN CONFORMANCE WITH THE CEC.
51. FOR EQUIPMENT RATED 800AMPS OR MORE, CONTAINING OVERCURRENT, SWITCHING, AND CONTROL DEVICES, WHERE THERE IS A PERSONNEL DOOR(S) INTENDED FOR ENTRANCE TO AND EGRESS FROM THE WORKING SPACE WHICH IS LESS THAN 25' FROM THE NEAREST EDGE OF THE WORKING SPACE, THE DOOR(S) SHALL OPEN IN THE DIRECTION OF EGRESS AND BE EQUIPPED WITH LISTED PANIC HARDWARE.
52. PROVIDE 0.5" DEFLECTION NEOPRENE PADS FOR FLOOR AND SUSPENDED TRANSFORMERS. MASON ND/HD OR EQUAL.
53. PROVIDE 1" DEFLECTION SPRING ISOLATOR MOUNTS FOR SECONDARY SUBSTATIONS. MASON SLF OR EQUAL.
54. PROVIDE 2" DEFLECTION SPRING ISOLATOR MOUNTS FOR GENERATOR. MASON SLR OR EQUAL.
55. UPON COMPLETION OF THE POWER SYSTEM STUDY AND REVIEW BY THE ENGINEER, THE ELECTRICAL CONTRACTOR SHALL MAKE ANY REQUIRED ADJUSTMENTS TO THE ELECTRICAL EQUIPMENT SUBMITTALS IN CONFORMANCE WITH THE STUDIES RECOMMENDATIONS AND SUBMIT FOR REVIEW BY THE ENGINEER. NO ELECTRICAL EQUIPMENT SHALL BE RELEASED FOR SHIPMENT OR INSTALLED ON-SITE PRIOR TO ENGINEER'S REVIEW OF THE POWER SYSTEM STUDY AND APPROVED ADJUSTMENTS TO ELECTRICAL EQUIPMENT SUBMITTALS.
56. CONTRACTOR SHALL PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT. THESE LABELS SHALL BE GENERATED BY THE CONTRACTOR FROM THE POWER SYSTEM STUDY AND SUBMITTED WITH THE POWER SYSTEM STUDY SUBMITTAL FOR ENGINEER'S REVIEW. THIS INCLUDES ALL FIELD MARKING OF AIC VALUES ON ALL BOARDS PER THE CEC.
57. PROVIDE ENGRAVED NAMEPLATES FOR ALL ELECTRICAL PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, AND DISCONNECT SWITCHES, AS DESCRIBED IN THE SPECIFICATIONS.
58. CONTRACTOR SHALL ENSURE THAT THE ELECTRICAL EQUIPMENT PROVIDED UNDER THEIR CONTRACTOR WILL FIT WITHIN THE ELECTRICAL ROOMS AND SPACES PROVIDED IN THE BID DOCUMENTS, WHETHER PROVIDED BY THE SPECIFIED EQUIPMENT MANUFACTURER OR NOT. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED IF CONTRACTOR NEEDS TO ADJUST EQUIPMENT PACKAGE TO OBTAIN REDUCED DIMENSIONS.

PROJECT GENERAL NOTES (cont.)

59. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING REVISED LAYOUTS OF DISTRIBUTION EQUIPMENT IN ELECTRICAL ROOMS AND/OR SPACES, FOR APPROVAL BY ENGINEER, IF PROPOSED INSTALLATION DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE REVIEWED PRIOR TO RELEASE OF EQUIPMENT ORDER AND PRIOR TO INSTALLATION.
60. ALL INDOOR FLOOR AND/OR FREE-STANDING ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 4" HIGH CONCRETE HOUSEKEEPING PAD, WITH THE EXCEPTION OF EQUIPMENT HOUSING PG&E METER, WHICH SHALL BE LIMITED TO A 2" HIGH CONCRETE HOUSING KEEPING PAD. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 6" HIGH HOUSEKEEPING PAD. HOUSEKEEPING PADS SHALL NOT EXTEND MORE THAN 2" PAST FRONT, REAR OR SIDE FACES OF EQUIPMENT MOUNTED ON PAD.
61. OVERCURRENT PROTECTION SHOWN ON DRAWINGS FOR ALL MOTOR TYPE LOADS ARE BASED ON DOCUMENTS PROVIDED PRIOR TO BID. CONTRACTOR SHALL REVIEW EQUIPMENT SUBMITTALS AND SHOP DRAWINGS FOR HVAC, PLUMBING, FIRE PROTECTION, ELEVATORS, ETC. TO CONFIRM SIZES HAVE NOT CHANGED AND MAKE ADJUSTMENTS IF THEY HAVE.
62. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF (NEMA 3R RATED, MINIMUM) AND LISTED FOR EXTERIOR APPLICATIONS.
63. WIRING SPACE IN PANELBOARDS, DISTRIBUTION BOARDS, SWITCHBOARDS, AND SWITCHGEAR SHALL BE DEDICATED TO CONDUCTORS TERMINATED IN THAT ENCLOSURE AND SHALL NOT BE USED AS PULL AND/OR SPLICE BOXES FOR CONDUCTORS THAT TERMINATE IN OTHER ENCLOSURES.
64. ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM COMPONENTS SHALL HAVE LOCKABLE HANDLES AND SHALL BE RED IN COLOR, FOR EASE IN IDENTIFICATION.
65. PROVIDE PROTECTION FROM PHYSICAL DAMAGE FOR ALL ELECTRICAL EQUIPMENT, LUMINAIRES, WIRING DEVICES, ETC., DURING THE CONSTRUCTION OF THE PROJECT.
66. FIRE/SMOKE DAMPERS (FSD) SHALL CONTAIN A MOTOR RATED ACTUATOR REQUIRING A 20AMP, 120VOLT CONNECTION WITH A LOAD OF APPROXIMATELY 75WATTS PER ACTUATOR. DEPENDING ON THE PHYSICAL SIZE OF THE FSD, THERE MAY BE A REQUIREMENT FOR MORE THAN ONE ACTUATOR, REQUIRING MULTIPLE CONNECTIONS. THIS SHOULD BE VERIFIED WITH HVAC CONTRACTOR. MORE THAN ONE ACTUATOR ALSO MEANS MORE THAN ONE SET OF END SWITCHES, REQUIRING MULTIPLE FIRE ALARM CONNECTIONS.

"WIRING DEVICES"

67. PROVIDE A MINIMUM OF 24" HORIZONTAL SEPARATION BETWEEN BACK-TO-BACK RECEPTACLES IN A 2-HOUR RATED WALL. REFER TO ARCHITURAL DRAWINGS FOR LOCATIONS OF ALL 2-HOUR RATED WALLS.
68. MOUNTING HEIGHTS OF ALL WIRING DEVICES ARE DIMENSIONED TO THE CENTER OF THE DEVICE, UNLESS OTHERWISE NOTED.
69. PROVIDE INDIVIDUAL GFCI TYPE RECEPTACLES AT EACH LOCATION SHOWN ON DRAWINGS. DO NOT APPLY THE FEED-THROUGH METHOD OF PROTECTING A NON-GFCI RECEPTACLE DOWNSTREAM OF A GFCI RECEPTACLE.
70. PROVIDE GFCI TYPE RECEPTACLES WITH WEATHER RESISTANT "WHILE-IN-USE" COVERPLATES WITHIN 25' OF ALL EXTERIOR HVAC AND PLUMBING EQUIPMENT.
71. ALL DRINKING FOUNTAIN RECEPTACLES SHALL BE GFCI TYPE.
72. WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS, PROVIDE WEATHERPROOF WHILE-IN-USE COVERPLATES.
73. ALL WIRING DEVICES AND JUNCTION BOX COVERS SHALL HAVE TYPE-ON-TAPE LABELS INDICATING THE PANELBOARD AND CIRCUIT NUMBER(S) SERVING EACH DEVICE.
74. CONTRACTOR SHALL SIZE ALL JUNCTION AND PULL BOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, UNLESS OTHERWISE NOTED ON DRAWINGS.
75. CORE DRILLING OF CONCRETE FLOORS FOR INSTALLATION OF POKE-THROUGH DEVICES SHALL BE PLANNED IN ADVANCE AND COORDINATED WITH ARCHITECT AND STRUCTURAL ENGINEER. X-RAYING OF FLOOR MAY BE REQUIRED, IF POST-TENSION CABLES TO ENSURE THAT CORE DRILLING DOES NOT INTERFER WITH STRUCTURAL MEMBERS WITHIN SLAB.

"LIGHTING"

76. CONTRACTOR SHALL CONFIRM THAT ALL LUMINAIRES SPECIFIED WITH TRIMS AND FRAMES ARE COMPATIBLE WITH THE ASSOCIATED CEILING TYPES, PRIOR TO PREPARING SUBMITTAL.
77. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS (RCP) FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LUMINAIRES.
78. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATION PLANS FOR EXACT LOCATIONS OF ALL WALL MOUNTED LIGHTING FIXTURES.
79. LUMINAIRES MOUNTED IN CONTINUOUS ROWS SHALL BE THROUGH-WIRED WITHIN FIXTURE INTERNAL WIREWAY CHASE WITH POWER AND CONTROLS AS NOTED ON DRAWINGS. LUMINAIRES NOT LISTED FOR THROUGH-WIRING SHALL BE WIRED WITH SEPARATE RACEWAY AND WIRING EXTERNAL TO THE LIGHTING FIXTURES.
80. ALL 0-10V LIGHTING CONTROL CABLING, ROUTED WITHIN SAME CONDUIT AS LINE-VOLTAGE PHASE CONDUCTORS, SHALL BE 600VOLT RATED TO MATCH CONDUCTORS.
81. EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE EGRESS PATHWAY TO ILLUMINATION LEVELS OF 1 FOOT-CANDLE AVERAGE AT THE WALKING SURFACE, WITH NO POINT BEING LESS THAN 0.1 FOOT-CANDLE MINIMUM, A MAXIMUM-TO-MINIMUM RATIO 40-TO-1, NOT TO EXCEED.
82. THE SUBSCRIPT ON SWITCHES "Sa" DENOTES THE LUMINAIRES CONTROLLED, WHICH IS ALSO FOUND ADJACENT TO THE CIRCUIT NUMBER AT EACH LUMINAIRE CONTROLLED BY SWITCH.

"TITLE 24 LIGHTING CONTROLS"

83. CONTROLS SHALL MEET THE REQUIREMENTS OF CALIFORNIA TITLE 24, OF THE CURRENTLY ADOPTED EDITION.
84. PROVIDE INDEPENDENT SWITCHING OR CONTROL DEVICE FOR EACH AREA ENLCOSED BY CEILING HEIGHT PARTITION WALLS.
85. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROL SYSTEMS, OVERLAPPING CONTROL SYSTEMS, 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.
86. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
87. 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
88. 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. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
89. MULTI-LEVEL LIGHTING CONTROL IS REQUIRED FOR ALL GENERAL LIGHTING IN ENCLOSED SPACES, 100 SQUARE FEET OR LARGER, WITH A CONNECTED LOAD EXCEEDING 0.5W/SQFT. PROVIDE CONTROLS AS FOLLOWS:
   - LOCAL MANUAL DIMMING VIA DIMMING SWITCH.
   - CENTRAL MANUAL DIMMING VIA DIMMING MODULE AT THE LIGHTING CONTROL PANEL AND LOCAL DIMMING SWITCH.
   - AUTOMATIC DAYLIGHT HARVESTING IN BOTH PRIMARY AND SECONDARY DAYLIGHT ZONES.

RACEWAYS

- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
- CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. HOMERUN CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED UP, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED DOWN, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT SLEEVE, WITH INSULATING BUSHINGS.
- FLEXIBLE METALLIC CONDUIT, EQUIPMENT CONNECTION.
- CROSSMARKS ON BRANCH CIRCUIT CONDUIT RUNS INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS (GROUND CONDUCTORS ARE NOT NOTED, BUT SHOULD BE INCLUDED IN EVERY CONDUIT WITH POWER CONDUCTORS):
  1. NO CROSSMARKS INDICATES TWO #12 AWG CONDUCTORS, UON.
  2. THREE TO SIX CROSSMARKS INDICATES THE QUANTITY OF #12 AWG CONDUCTORS, UON.
  3. SEVEN OR MORE CROSSMARKS INDICATES THE QUANTITY OF #10 AWG CONDUCTORS, UON.
- SURFACE RACEWAY; TYPE, DEVICE SPACING AND MOUNTING AS NOTED ON PLANS.

SYMBOLS LIST

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

WIRING DEVICES

- JUNCTION BOX, WALL MOUNTED, +18" UON.
- JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
- JUNCTION BOX, MOUNTED FLUSH IN CEILING.
- JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO BOTTOM OF STRUCTURE IN ACCESSIBLE CEILING SPACE OR EXPOSED IN OPEN CEILING AREAS.
- JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. LETTERING ADJACENT TO THE DEVICE ON THE PLANS INDICATE THE FOLLOWING FOR THOSE RECEPTACLES.
  - A: ARC FAULT CURRENT INTERRUPTER (AFCI)
  - G: GROUND FAULT CURRENT INTERRUPTER (GFCI)
  - IG: ISOLATED GROUND
  - TR: TAMPER RESISTANT
  - U: INTEGRAL USB PORTS
  - WP: WEATHER-RESISTANT, GROUND FAULT CURRENT INTERRUPTER (GFCI) WITH WEATHERPROOF "IN USE" COVER
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
- CONVENIENCE RECEPTACLE DEVICE, SPLIT-WIRED, WALL MOUNTED, +18" UON.
- CONVENIENCE RECEPTACLE DEVICE, ON BACK-UP POWER SYSTEM, WALL MOUNTED, + 18" UON.
- CONVENIENCE RECEPTACLE DEVICE, CONTROLLED PER T24, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, HORIZONTALLY WALL MOUNTED, +18" UON.
- SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, CORD OR REEL HUNG FROM STRUCTURE ABOVE. TYPE AS NOTED ON PLANS.

CONVENTIONS

- 1 — NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
- 1 — NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY.
- 1 — OVERCURRENT PROTECTIVE DEVICE NUMBER IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
- EQ ## — EQUIPMENT IDENTIFICATION TAG: ITEM FURNISHED AND INSTALLED UNDER ANOTHER DIVISION AND WIRED UNDER THIS DIVISION.
- 2004 — FEEDER TAG. REFER TO FEEDER SCHEDULE.
- 1 / E-801 — DETAIL REFERENCE:
  - DETAIL DESIGNATION
  - SHEET NUMBER
- 2 · F3 — FIXTURE/DEVICE IDENTIFICATION TAG:
  - FIXTURE/DEVICE TYPE
  - QUANTITY
- 75/4 — UNDERGROUND CONDUIT DESIGNATION:
  - CONDUIT SIZE IN INCHES
  - CONDUIT SYSTEM DESIGNATION
    - P: PRIMARY POWER
    - S: SECONDARY POWER
    - T: TELECOMMUNCATIONS
  - QUANTITY OF CONDUITS
- 2 E H 2 A — SWITCHBOARDS, DISTRIBUTION BOARDS, AND PANELBOARDS:
  - BOARD DESIGNATION
  - FLOOR NUMBER
  - VOLTAGE CLASSIFICATION
    - PS : PRIMARY SUBSTATION
    - SS : SECONDARY SUBSTATION
    - MS : MAIN SWITCHBOARD
    - HD : 277/480 DIST. BOARD
    - H : 277/480 PANELBOARD
    - LD : 120/208 DIST. BOARD
    - L : 120/208 PANELBOARD
- 2 E MCC / 1 B — MOTOR CONTROL CENTERS:
  - MCC DESIGNATION
  - FLOOR NUMBER
  -

LUMINAIRE SCHEDULE

LUMINAIRE SCHEDULE NOTES:
REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:

TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC.
R9 VALUE; MINIMUM 80. TM30 VALUES; Rf>85, 95<Rg<105.

TIER 2 (LEGACY CRI 80): FOR APPLICATIONS WHERE COLOR FIDELITY IS IMPORTANT, SUCH AS OFFICES, SCHOOLS, GENERAL INTERIOR AREAS, ETC.
R9 VALUE; MINIMUM 30. TM30 VALUES; Rf >75, 92<Rg<110.

TIER 3 (LEGACY CRI 70): FOR APPLICATIONS WHERE COLOR FIDELITY IS NOT CRITICAL, SUCH AS EXTERIOR PARKING AND AREA LIGHTING, WAREHOUSES, ETC.
R9 VALUE; MINIMUM 20. TM30 VALUES; Rf >70, 80<Rg<120.

TYPE	IMAGE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	TIER	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE	DETAIL
							0 W	277 V	
F1		PRUDENTIAL "HALF SNAP" SERIES HSS-LED35-SO-4-SAL-TMW-UNV-SUR-X3-DM I O OR APPROVED EQUAL	NOMINAL 4' LONG SURFACE MOUNTED COMPACT LINEAR LED FIXTURE, WITH STEEL HOUSING WITH WHITE POWDER COAT FINISH, AND DIFFUSE SNAP-ON LENS. INSTALL IN CONTINUOUS ROW WHERE INDICATED ON THE PLANS.	LED 10W/1FT ~1300LUMENS/F 3500K 80+CRI MIN 1OO,OOOHR L90	TIER 2	0-10V DIM	10 W / FT	120 V	1/E2.0

Branch Panel: (E) PANEL ABA

Location: TRAINING 223 **Served From** **Phases** 3 **A.I.C. Rating:** **Bus Rating** 100 A
Mounting: SURFACE **Volts:** 120/208 **Wires** 4 **Main Type:** **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)		B (kVA)		C (kVA)		#	P	Amp	Load Served	LC
--	(E) EMERGENCY LIGHTS	20 A	1	1	0.00	0.00					2	1	20 A	(E) EMERGENCY LIGHTS / GYM	--
--	(E) REF - 6, 7	20 A	1	3			0.00	0.54			4	1	20 A	TRAINING RM REC.	R
--	(E) RECEPTS / SCORE	20 A	1	5					0.00	0.00	6	1	20 A	(E) REF-1	--
--	(E) RECEPTS	20 A	1	7	0.00	0.00					8	1	20 A	(E) REF-3	--
--	(E) RECEPTS / SHOTS	20 A	1	9			0.00	0.18			10	1	20 A	(E) HYDRO BATH	Nc
--	SPARE	20 A	1	11					0.00	0.18	12	1	20 A	(E) HYDRO BATH	Nc
--	SPARE	20 A	1	13	0.00	0.54					14	1	20 A	TRAINING / STORAGE REC.	R
--	(E) EMERGENCY LIGHTING	20 A	1	15			0.00	0.00			16	1	20 A	REF-2	--
--	(E) FIRE ALARM	20 A	1	17					0.00	0.00	18	1	20 A	(E) HAND DRYER G5	--
--	(E) VEP-1	20 A	1	19	0.00	0.00					20	1	20 A	(E) HAND DRYER B7	--
--	(E) ASSISTIVE LISTENING	20 A	1	21			0.00	0.00			22	1	20 A	(E) HAND DRYER B5	--
--	(E) WRESTLING LTS	20 A	1	23					0.00	0.00	24	1	20 A	(E) HAND DRYER B6	--
--	(E) PANEL ABB	20 A	1	25	0.00	0.00					26	1	20 A	(E) HAND DRYER COACH	--
--	(E) PANEL ABB	20 A	1	27			0.00				28				
--	(E) PANEL ABB	20 A	1	29					0.00		30				
--	(E) GYM CONTROLLER	30 A	1	31	0.00	0.00					32	1	20 A	(E) BLEACHERS	--
--	(E) GYM CONTROLLER	30 A	1	33			0.00	0.00			34	1	20 A	(E) BLEACHERS	--
R	STORAGE REF	20 A	1	35					0.36	0.00	36	1	20 A	(E) BLEACHERS	--
--		0 A	1	37	0.00						38				
--		0 A	1	39			0.00				40				
--		0 A	1	41					0.00		42				
				Connected Load:	0.54 kVA		0.72 kVA		0.54 kVA						
				Feed-Thru Load:	0 kVA		0 kVA		0 kVA						
				Total Amps:	4.5 A		6 A		4.5 A						

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals	
(Nc) Non-Continuous	0.36 kVA	100.00%	0.36 kVA	**Connected Load:**	1.80 kVA
(R) Receptacle	1.44 kVA	100.00%	1.44 kVA	**Connected Amps:**	5 A
				Code Demand Load:	1.8 kVA
				Code Demand Amps:	5 A

Notes:
TOTAL LOADS ARE UNKNOWN.

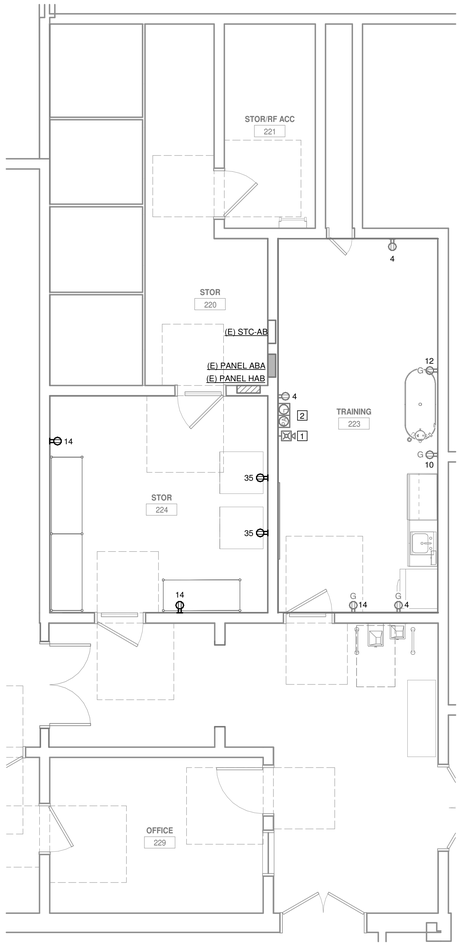
GENERAL SHEET NOTES

A. REPLACE ALL EXISTING RECEPTACLES AND FACEPLATES WITH NEW. LABEL WITH PANEL AND CIRCUIT. EXISTING RECEPTACLES ARE NOT GFCI AND SHALL BE REPLACED WITH DEDICATED GFCI RECEPTACLES AT EACH LOCATION.

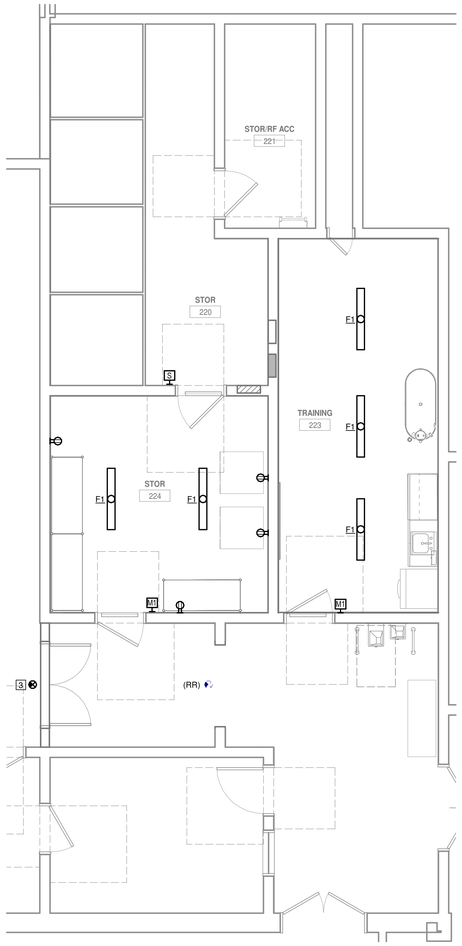
B. REMOVE EXISTING LIGHT FIXTURES AND REPLACE.

NUMBERED SHEET NOTES

1. EXISTING FIRE ALARM NOTIFICATION APPLIANCE TO REMAIN. REMOVE OR PROTECT DURING CONSTRUCTION AND TEST AFTER COMPLETION.
2. EXISTING CLOCK/PA TO REMAIN. REMOVE OR PROTECT DURING CONSTRUCTION AND TEST AFTER COMPLETION.
3. RELOCATE EXISTING EXIT SIGN TO LOCATION INDICATED.



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



2 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

LIONÄKIS
2025 Nineteenth Street
Sacramento CA 95818
P 916.558.1900
www.lionakis.com

CONSULTANT

NOT FOR CONSTRUCTION

SEAL

PROJECT
MCCLATCHY HS TRAINING ROOMS

1305 Marina Village Parkway

CLIENT
Owner

ISSUED

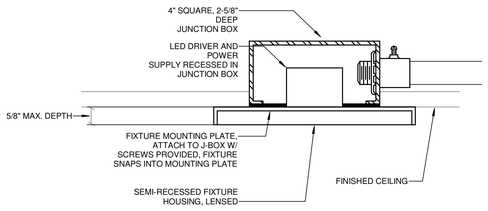
MARK	DATE	DESCRIPTION

MANAGEMENT
LIONAKIS PROJECT NO: Project Number
COPYRIGHT: LIONAKIS 2017

TITLE
POWER AND LIGHTING PLAN

SHEET
E1.0

IF THIS SHEET IS NOT 30"x42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY
Autodesk Docs://026030 SCUSD HS Training Rooms/SCUSD McClatchy HS Training Rooms_224.rvt
5/21/2026 10:19:56 AM



MAX FIXTURE WEIGHT: LESS THAN 2 LBS.

1 SEMI-RECESSED FIXTURE

SCALE:NTS

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | CHICO | IRVINE
LOS ANGELES | NEOSHO | RENO
SANTA BARBARA | SAN DIEGO
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
#E15303
Exp. 03/31/2024
CHRISTINA MARTIN
ELECTRICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

MCCLATCHY HS TRAINING ROOMS

1305 Marina Village Parkway

REVISIONS

#	DESCRIPTION	DATE

DESIGNER: Designer

SCALE: NTS

DATE: 2024.01.20

TITLE:

DETAILS

DRAWING NO.

E2.0