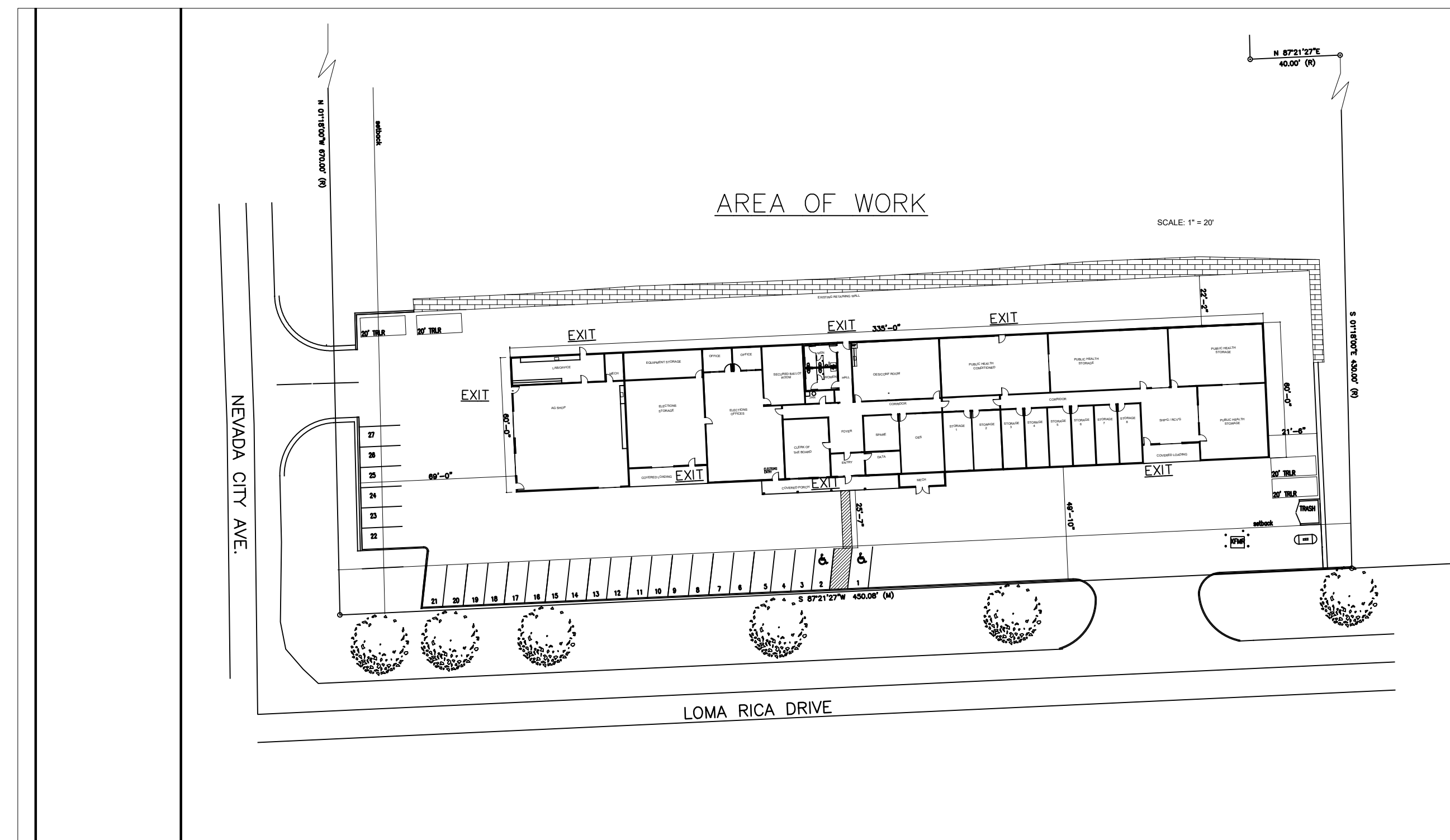


GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2019 CALIFORNIA BUILDING CODE AND LOCAL CODES AND ORDINANCES
2. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS. LARGE SCALE DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS. CONTRACTOR TO REQUEST CLARIFICATION FROM DESIGNER SHOULD DIMENSION DISCREPANCIES OVER 4" OCCUR IN FIELD. NOTE: DIMENSIONS DESIGNATED 'CLEAR' SHOULD BE EXACT.
3. COORDINATE ALL CONSTRUCTION ITEMS WITH THE STRUCTURAL AND MECHANICAL / ELECTRICAL DRAWINGS BEFORE ORDERING AND INSTALLING ITEM OR WORK.
4. DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
5. ALL MATERIALS SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS UNLESS OTHERWISE NOTED.
6. VERIFY LAYOUT OF ALL PARTITIONS, DOORS, ELECTRICAL/TELEPHONE/ AND COMMUNICATIONS OUTLETS, LIGHT FIXTURES, AND SWITCHES WITH THE DESIGNER IN FIELD IF QUESTIONS OR CONFLICTS OCCUR
7. CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST IN LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, LIGHTING, PLUMBING AND SPRINKLER EQUIPMENT (TO INCLUDE ALL PIPING, DUCTWORK, AND CONDUIT) AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTAINANCE OF ABOVE EQUIPMENT ARE PROVIDED
8. ALL DOORS SHALL BE 3'-0" WIDE MINIMUM UNLESS OTHERWISE NOTED.
9. ALL HARDWARE TO BE LEVER TYPE PER UNIFORM BUILDING CODE
10. "TYPICAL" MEANS IDENTICAL FOR ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

SHEET INDEX

- G01 TITLE SHEET
- G02 SITE PLAN
- A1 FLOORPLAN WEST SIDE
- A2 FLOORPLAN EAST SIDE
- A3 DOOR AND WINDOW SCHEDULE
- A4 DETAILS
- A5 NEVADA COUNTY EQUIP SPECS
- A6 EXTERIOR ELEVATIONS
- ELECTRICAL PLANS AND SCHEDULES
- E1.0 ELECTRIC POWER PLANS
- E2.0 ELECTRIC POWER PLANS
- E3.0 ELECTRIC LIGHTING PLANS
- E4.0 MAIN SWITCHBOARD ELECTRIC POWER PANELS
- T24-1 T24 ENERGY REPORTS
- T24-2 T24 ENERGY REPORTS
- PLUMBING PLANS AND SCHEDULES
- P1.0 PLUMBING NOTES/SCHEDULES
- P2.0 PROPOSED PLUMBING PLAN
- P3.0 PROPOSED PLUMBING PLAN
- P4.0 PROPOSED PLUMBING PLAN
- MECHANICAL PLANS AND SCHEDULES
- M1.0 MECHANICAL NOTES/SCHEDULES/LEGEND
- M2.0 PROPOSED MECHANICAL PLAN
- M3.0 PROPOSED MECHANICAL PLAN



EXITING PLAN
SCALE: NOT TO SCALE

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES:
2019 CALIFORNIA BUILDING STANDARDS CODES INCLUDING:
BUILDING, MECHANICAL, ELECTRICAL, PLUMBING, ENERGY
FIRE AND GREEN BUILDING CODE.

BUILDING DATA

INTERIOR TENANT IMPROVEMENT

CONSTRUCTION TYPE: VB- NON-RATED ONE STORY SPRINKLERED

OCCUPANCY TYPE: S-1, AND B

TOTAL AREA OF NEW BUILDING: 20,100 SF

SCOPE OF WORK

BUILDING WILL BE NEW STEEL SHELL WAREHOUSE BUILDING. THIS SCOPE OF WORK IS TENANT IMPROVEMENT FOR INTERIOR OF SHELL

NEW METAL WAREHOUSE BUILDING TO BE IMPROVED FOR COUNTY STORAGE FACILITY

NO CHANGE TO NEW STEEL BUILDING FOOTPRINT

- ELECTRICAL & LIGHTING PER PLANS
- MECHANICAL - NEW HVAC SYSTEM
- PLUMBING- PER PLANS

NEW INSULATION IN EXTERIOR WALLS & ROOF PER ARCHITECTURAL PLANS
NEW ADA RESTROOMS & EQUIPMENT PER PLANS
NEW T-BAR CEILING AS INDICATED, NEW FLOORCOVERINGS AS INDICATED
CABINETRY ALLOWANCES PER PLANS

ACCESSIBILITY NOTES

NEW BUILDING- FULLY ACCESSIBLE

CONTACT INFORMATION

OWNER
SIERRA FOOTHILLS CONSTRUCTION COMPANY
130 EAST MAIN STREET
GRASS VALLEY, CA 94945
CONTACT: KEONI ALLEN
PHONE: 530-477-5300
EMAIL: keoni@sfccinc.com

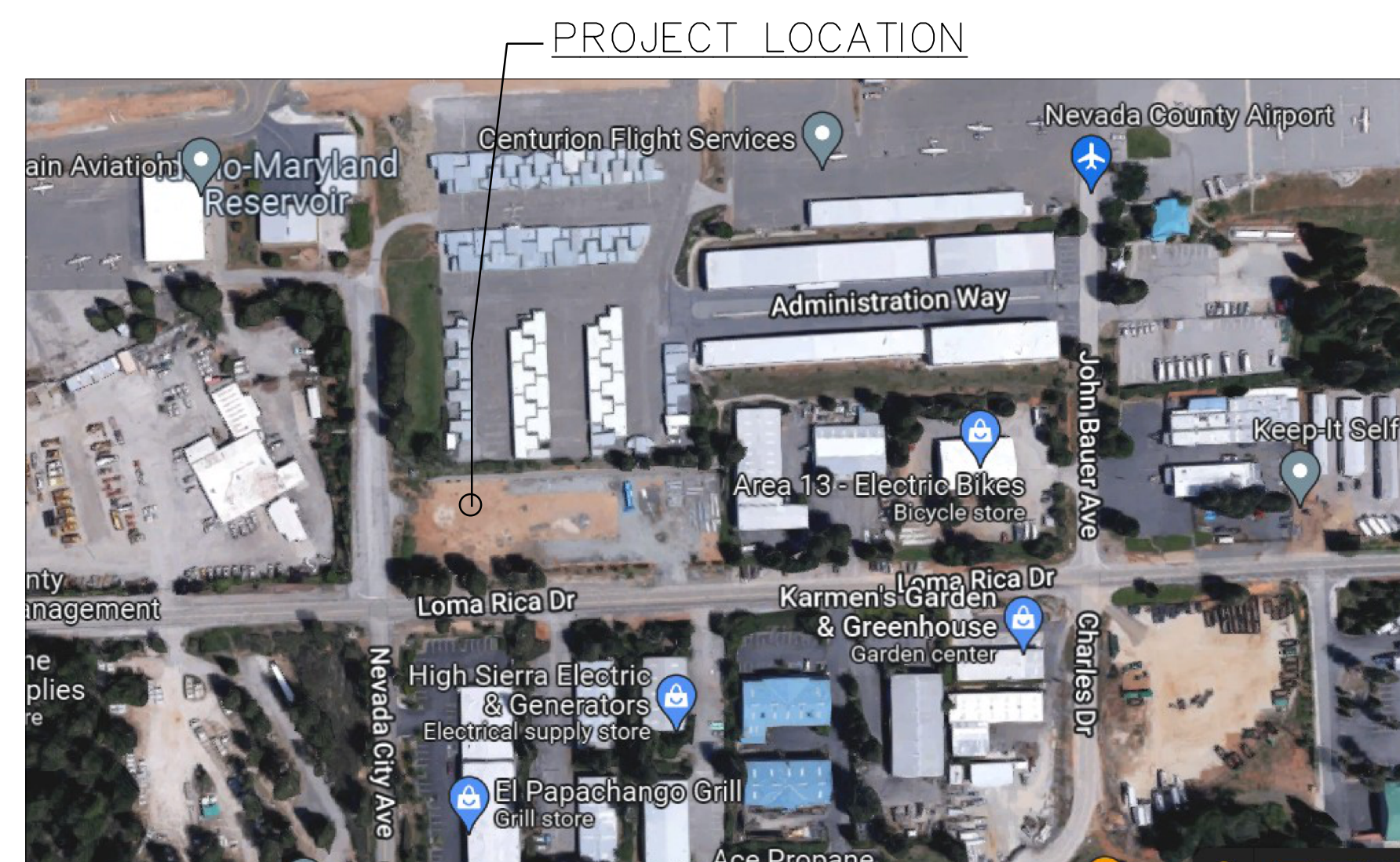
CONTRACTOR
OWNER/BUILDER (SAME AS ABOVE)

DESIGN PROFESSIONAL:
NORALYN WHISENAND, ARCHITECT
LICENSE: C-26124
ADDRESS: 521 NEVADA STREET
NEVADA CITY, CA 95959
PHONE: (530) 470-3409
EMAIL: DEERCREEKSTUDIO@GMAIL.COM

HVAC DESIGN BUILD
BREWER REFRIGERATION HEATING AND AC
ATTN: ROB BREWER
ADDRESS: 937 GOLDEN GATE TERRACE
GRASS VALLEY, CA 94945
PHONE: (530) 272-6351
EMAIL: ROBB@BREWERHVAC.COM

ELECTRICAL ENGINEER:
GRASS VALLEY ELECTRIC
ATTN: BRADY PRYOR
ADDRESS: 10973 ROUGH AND READY HWY
GRASS VALLEY, CA 95945
PHONE: (530) 273-7543
EMAIL: BRADYPRYOR@SBCGLOBAL.NET

PLUMBING DESIGN BUILD:
COMFORT PLUMBING SYSTEMS INC
ATTN: RHETT MOHR
ADDRESS: 146 SCANDLING AVE.
GRASS VALLEY, CA 95945
PHONE: (530) 470-8761
EMAIL: rhett.mohr@sbcglobal.net



VICINITY MAP

TENANT IMPROVEMENT - PRICING PLANS
 APN# - 006-380-049
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA

Deer Creek
studio
ARCHITECTURE + INTERIORS
521 NEVADA STREET
NEVADA CITY, CA 95959
(530) 470-3409

SIERRA FOOTHILLS
Construction Company
130 EAST MAIN STREET
GRASS VALLEY, CA 95945
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SFCOINC.COM

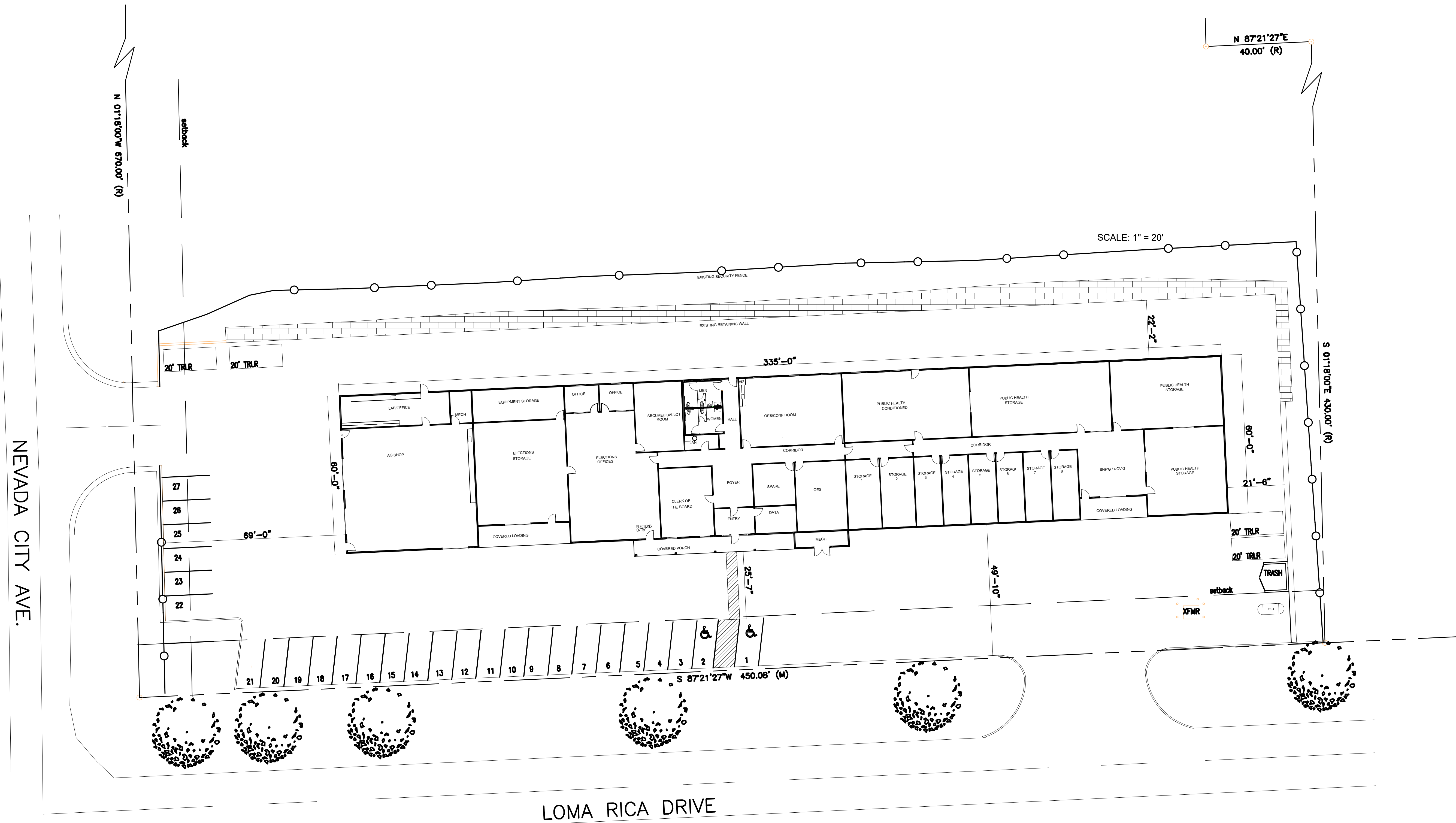
REVISIONS

△	ISSUED FOR PRICING 4-25-2022
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DATE: 4-25-2022
JOB NO:
SCALE: AS NOTED

TITLE SHEET

G01



TENANT IMPROVEMENT - PRICING PLANS
 APN# - 006-380-049
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA

Deer Creek
 studio
 ARCHITECTURE + INTERIORS
 521 NEVADA STREET
 NEVADA CITY, CA 95959
 (530) 470-3409

- REVISIONS
- △ ISSUED FOR PRICING 4-25-2022
 - △ CLARIFICATION REV 1/ 8-08-2022
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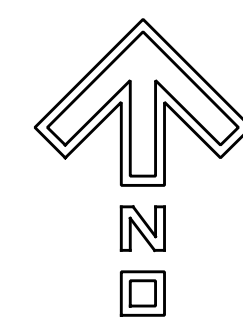
DATE: 4-25-2022
 JOB NO:
 SCALE: AS NOTED

SITE PLAN

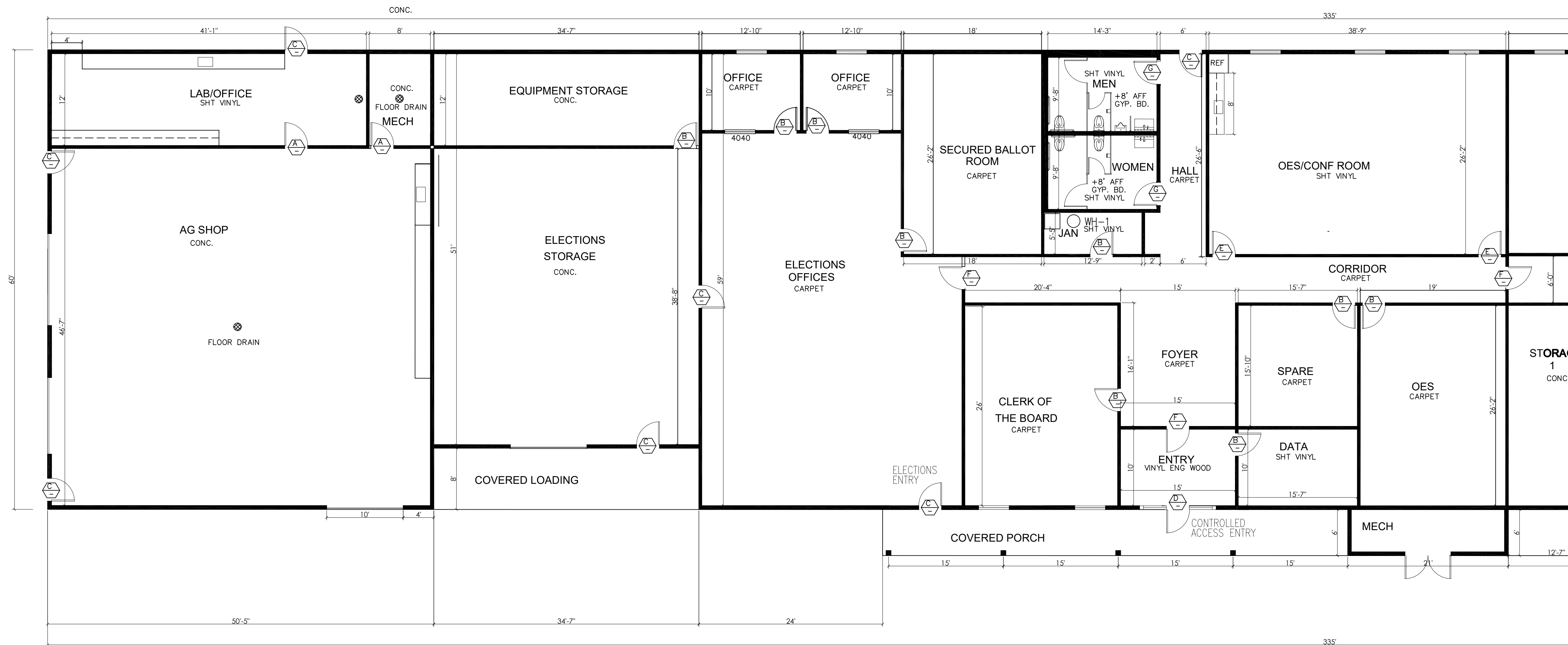
G02

NEVADA CITY AVE.

LOMA RICA DRIVE



SCALE: 1"=20'



NOTES

1. INSULATION: PROVIDE R38 INSULATION AT ROOF
ADD R19 INSULATION AT FURRED OUT EXTERIOR WALLS
2. FURR ALL EXTERIOR WALLS OF THE METAL BUILDING SHELL WITH METAL STUDS, 5/8" SHEET ROCK AT ALL EXTERIOR WALLS
LEAVE METAL SUPPORT BRACING EXPOSED ON INTERIOR WHERE OCCURS.
3. INTERIOR DOOR AND WINDOW FRAMES: TIMELY COLOR: BRONZE
4. INSTALL GASKETING, WEATHERSTRIPPING, ETC. AT EXTERIOR DOORS & DOORS OPENING TO UNCONDITIONED AREAS.
5. ADA RESTROOMS: USE BOBRICK TRADITIONAL SYSTEM CUBICLES OR APPROVED EQUAL
FINISH: STANDARD LAMINATE/TBD
6. EXPOSED CONCRETE FLOORS TO BE SEALED WITH BROOM FINISH

1 WEST HALF - PROPOSED FLOOR PLAN
SCALE: 1/8"=1'-0"

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 Construction Company
 130 EAST MAIN STREET
 GRASS VALLEY, CA 95945
 (530) 477-5300
 SFCOINC.COM

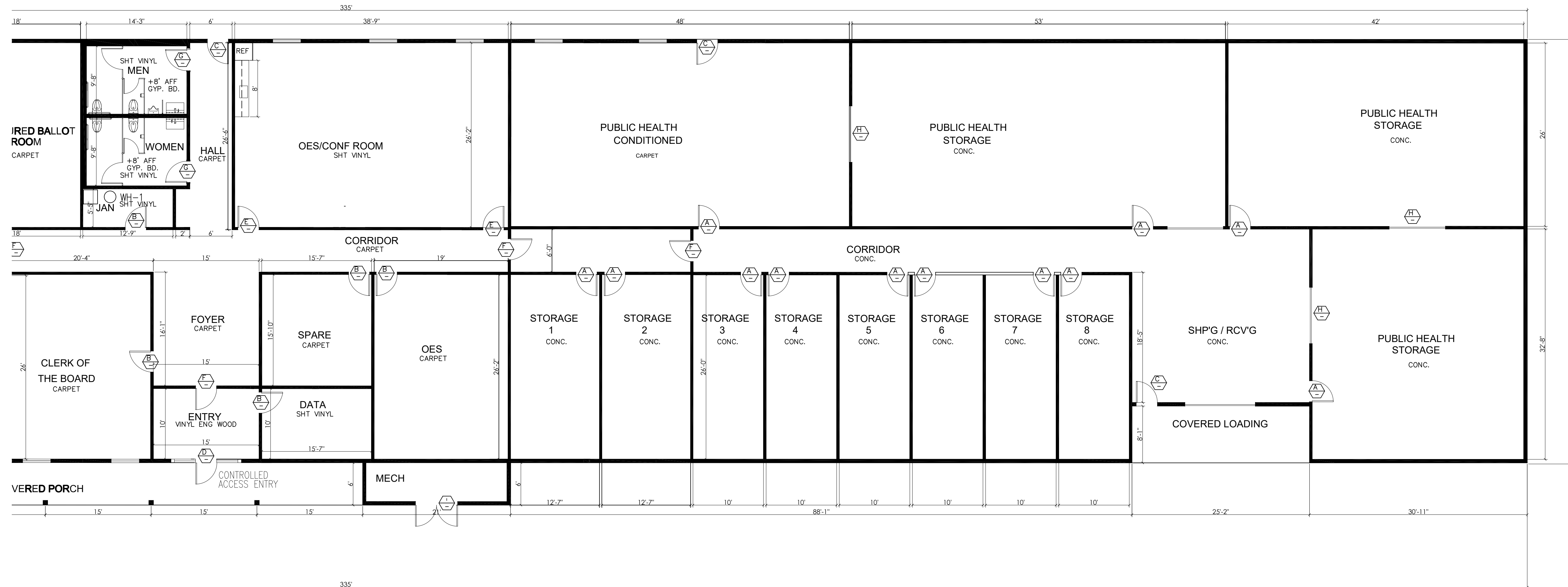
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DATE: APRIL 20, 2022
 JOB NO:
 SCALE: AS NOTED

PROPOSED
 FLOOR PLAN

A1



1 EAST HALF - PROPOSED FLOOR PLAN
SCALE: 1/8"=1'-0"

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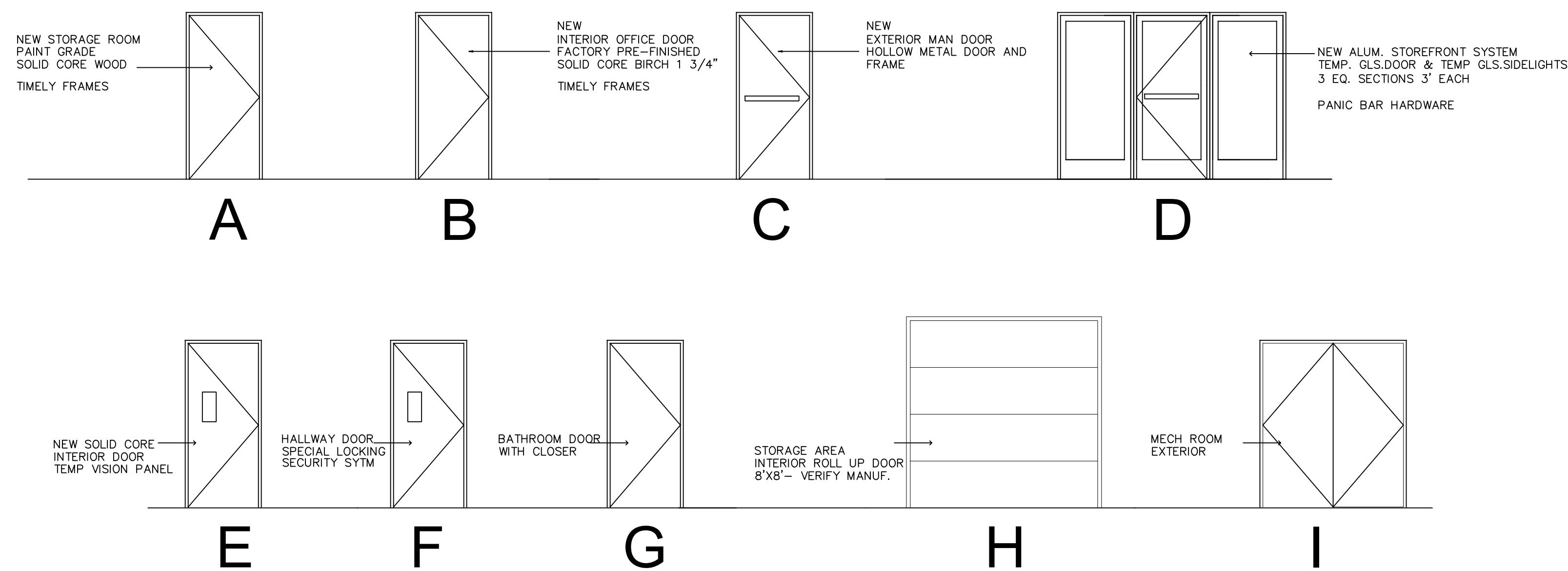
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DATE: APRIL 20, 2022
JOB NO:
SCALE: AS NOTED

PROPOSED
FLOORPLAN

A2



DOOR SCHEDULE

NUMBER	SIZE	THICK	FIRE	MATERIAL	FINISH	FRAME	FINISH	HARDWARE GRP.	LOCKS	REMARKS
A	3'-0" X 7'-0"	1 3/4"	-	S.C.	PAINT	A		1	LOCKING FUNCTION	STORAGE DOOR
B	3'-0" X 7'-0"	1 3/4"	-	S.C.	PRE-FIN	A		1	LOCKING FUNCTION	PRIVATE OFFICE NEW
C	3'-0" X 7'-0"	1 3/4"	-	HOLLOW MTL	MTL	A		3	LOCKING SPECIAL	EXTERIOR MAN DOOR
D	9'-0" X 7'-0"	1 3/4"	-	TEMP GLS STOREFRNT	BRONZE	B			NEW PANIC BAR LOCK	EXTERIOR STOREFRNT PANIC BAR
E	3'-0" X 7'-0"		-	S.C.	PRE-FIN	B			TBD	BREAKROOM
F	3'-0" X 7'-0"	1 3/4"	-	S.C.	PRE-FIN	B			SPECIAL SYSTEM	HALLWAY ELECTRONIC LOCK
G	3'-0" X 7'-0"	1 3/4"	-	S.C.	PRE-FIN	B				BATHROOM DOOR CLOSER
H	8'-0" X 8'-0"			MTL ROLL UP DOOR						MANUAL CONTROLS UON
I	3'-0" X 7'-0" PAIR			HOLLOW MTL					LOCKING SPECIAL	MECHANICAL ROOM

LOCKSET LIST

- ENTRANCE OFFICE LOCK
 - EXIT LOCK SCHLAGE 12D
 - BATHROOM
 - STORAGE ROOM
 - PASSAGE
- PROVIDE DOOR STOPS WHEREVER POSSIBLE.

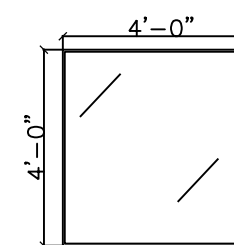
HARDWARE

- ADA COMPLIANT LEVER LOCKSETS: YALE (CONFIRM SERIES AND STYLE) OIL RUBBED BRONZE GRADE 2, C SERIES KEYWAY
- CONFIRM ALL LOCKSET REQUIREMENTS INCLUDING SPECIAL ELECTRONIC SECURITY SYTEM WITH TENANT'S REP.

FRAMES

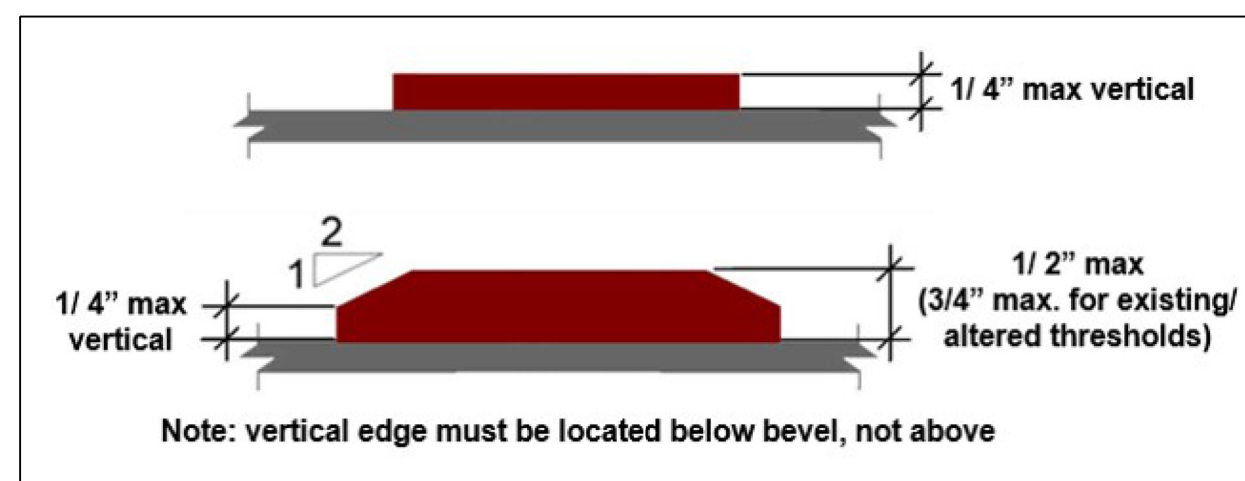
- A. DOOR AND WINDOW FRAMES: TIMELY (COLOR : BRONZE)

- PROVIDE THE BOTTOM 10 INCHES OF DOORS WITH A SMOOTH, UNINTERRUPTED SURFACE (ALL PUSH SIDES OF DOORS) THAT ALLOWS DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- AN EGRESS DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30# FORCE. THE DOOR SHALL SWING TO THE FULLY OPEN POSITION WHEN AN OPENING FORCE NOT TO EXCEED 15 POUNDS IS APPLIED TO THE LATCH SIDE. PER CBC 1008.1.3
- GATES INSTALLED SHALL COMPLY WITH THE SAME REQUIREMENTS AS DOORS FOR ACCESS & EGRESS.

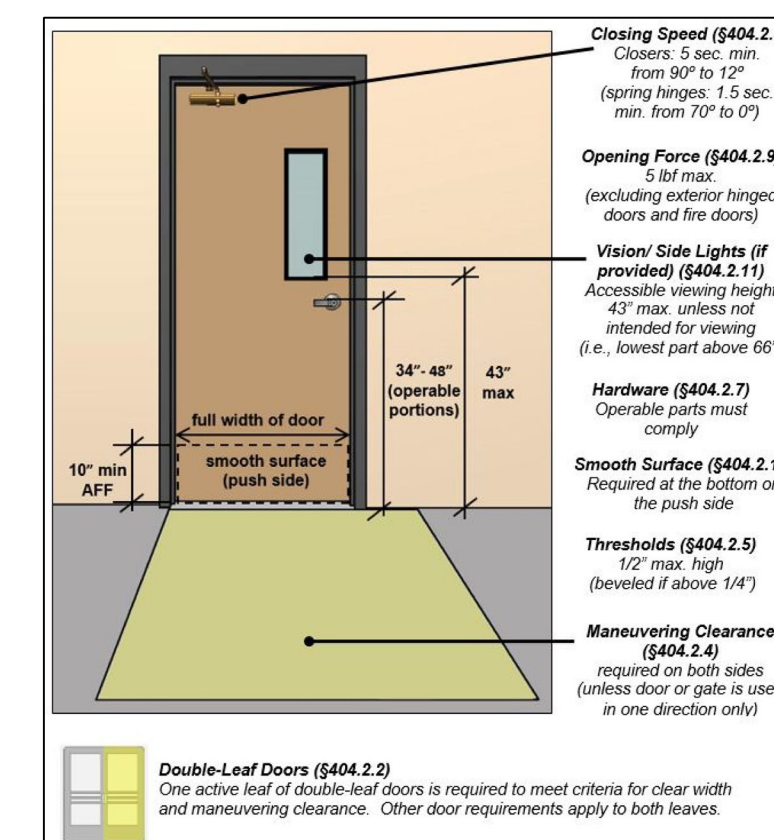


WINDOW SCHEDULE

- NEW FIXED GLASS INTERIOR WINDOW SEE DETAIL #6 -SHEET A4 TEMPERED, CONFIRM EXACT MANUF. SPECIFICATION WITH TENANT/ SEE DETAIL TIMELY FRAMES TO MATCH DOOR FRAMES WINDOW SILL @ +33" AFF WINDOW SIZE: 4'-0" X 4'-0" HIGH



2 ACCESSIBLE THRESHOLD SCALE: 3" = 1'-0"



1 ACCESSIBLE DOOR DETAIL SCALE: 3" = 1'-0"

NEVADA COUNTY STORAGE FACILITY

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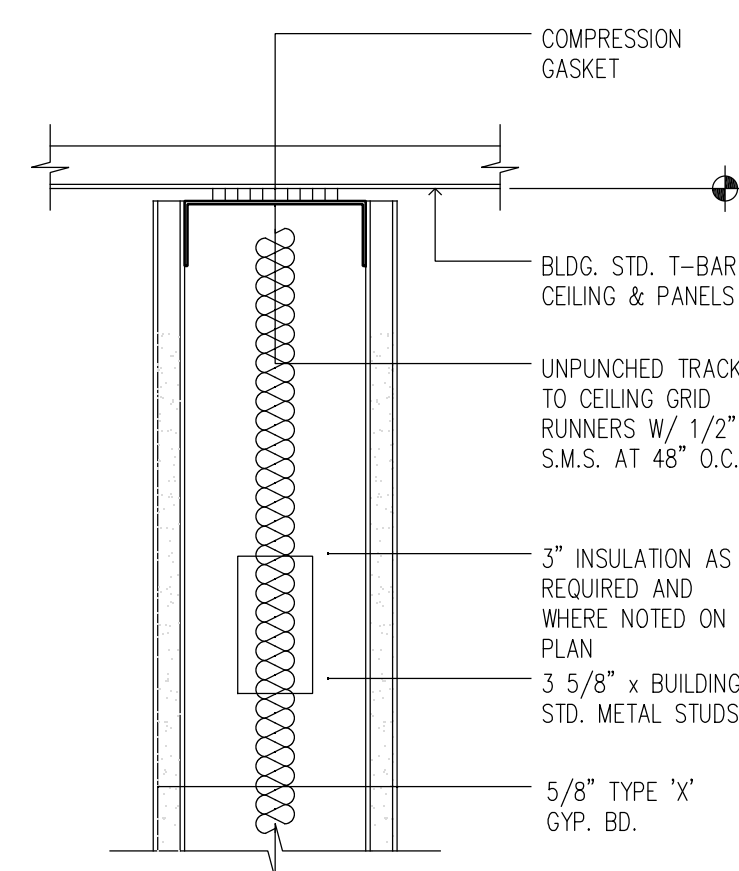
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DATE: 4-22-2022
JOB NO:
SCALE: 1/4" = 1'-0"

DOOR AND WINDOW SCHEDULE

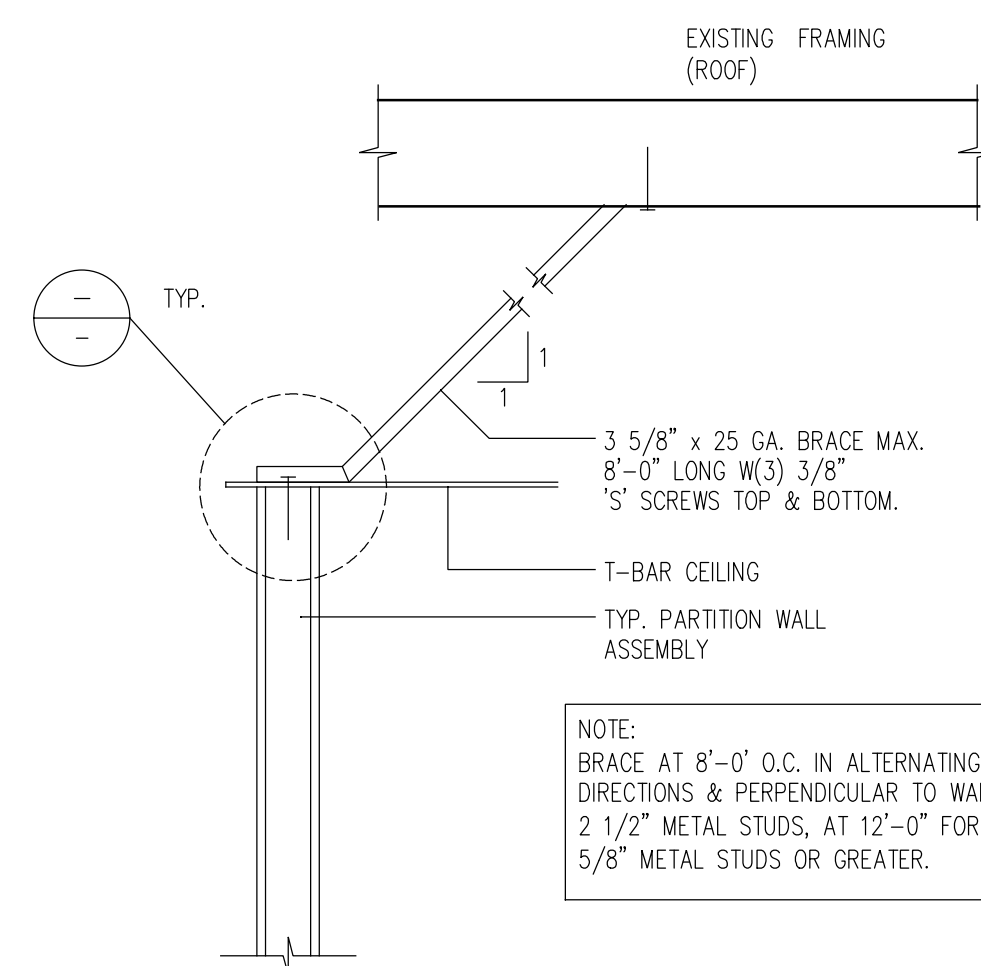
A3

NOTE: SEE  FOR BRACING DETAILS



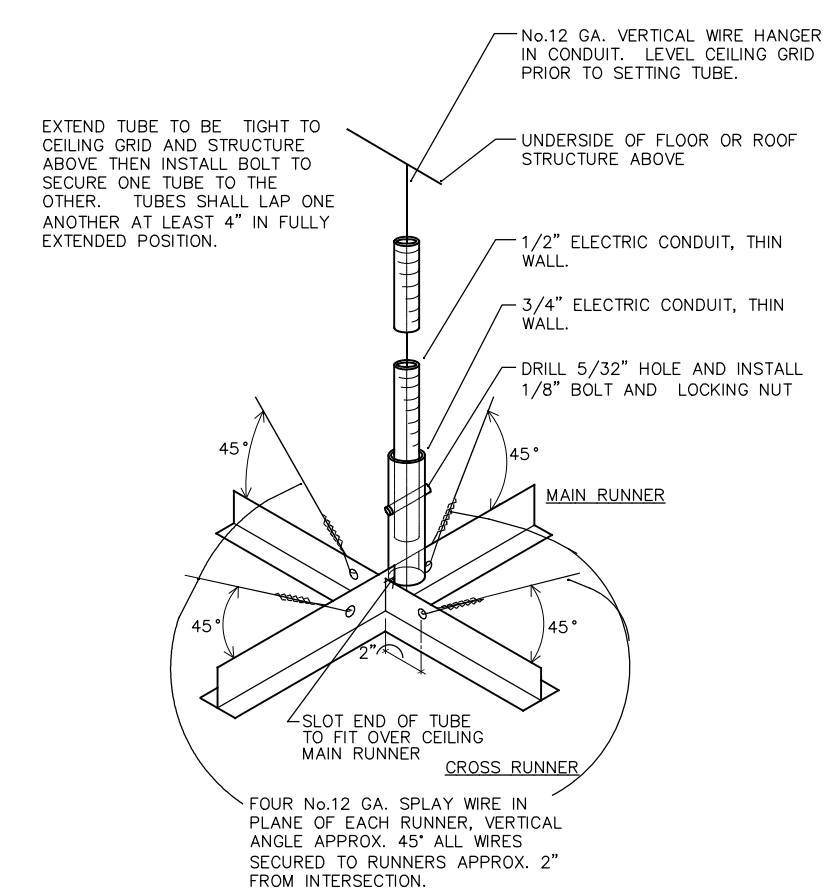
 PARTITION WALL HEAD

SCALE: 3" = 1'-0"

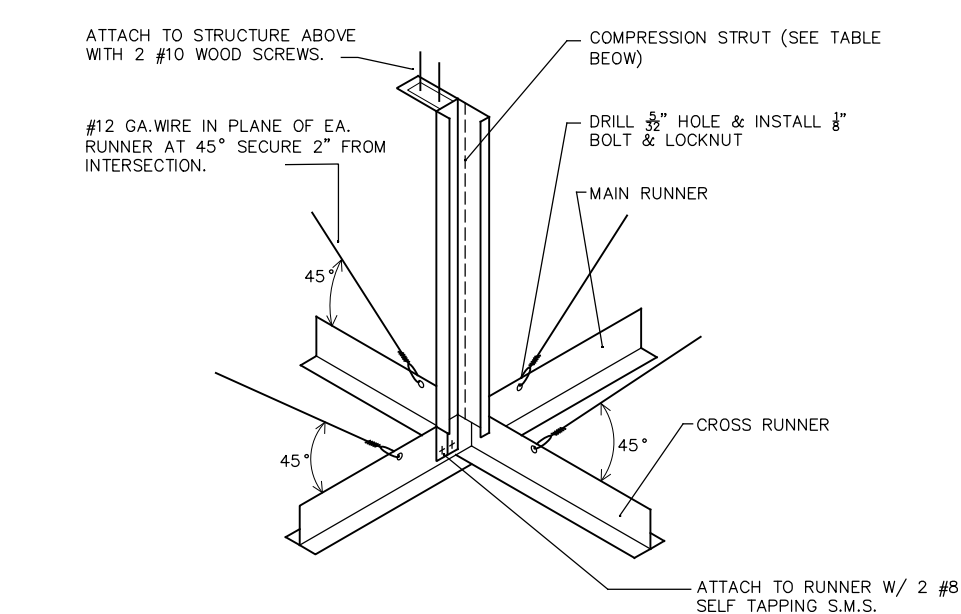


 TYP. WALL BRACING

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



 VERTICAL STRUT BRACING DETAIL



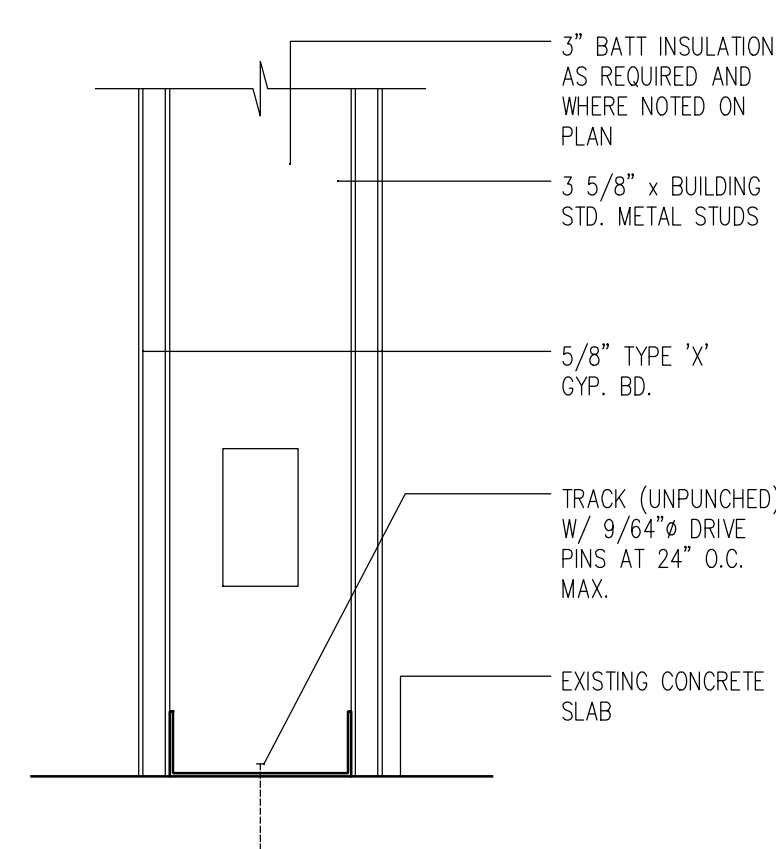
SINGLE STUD SIZE	MAX. LENGTH	SPACING	SPACING
2-1/2" x 25 GA.	7'-0"	12'-0" EA. WAY	12'-0" EA. WAY
3-1/2" x 25 GA.	6'-0"	12'-0" EA. WAY	12'-0" EA. WAY
1-5/8" x 20 GA.	10'-11"	12'-0" EA. WAY	12'-0" EA. WAY
2-1/2" x 20 GA.	10'-11"	12'-0" EA. WAY	12'-0" EA. WAY
3-1/2" x 20 GA.	9'-11"	12'-0" EA. WAY	12'-0" EA. WAY

DOUBLE STUD SIZE	MAX. LENGTH	SPACING
3-1/2" x 25 GA.	22'-0"	12'-0" EA. WAY

(SCREWED TOGETHER @ 12" O.C.)

 COMPRESSION STRUT

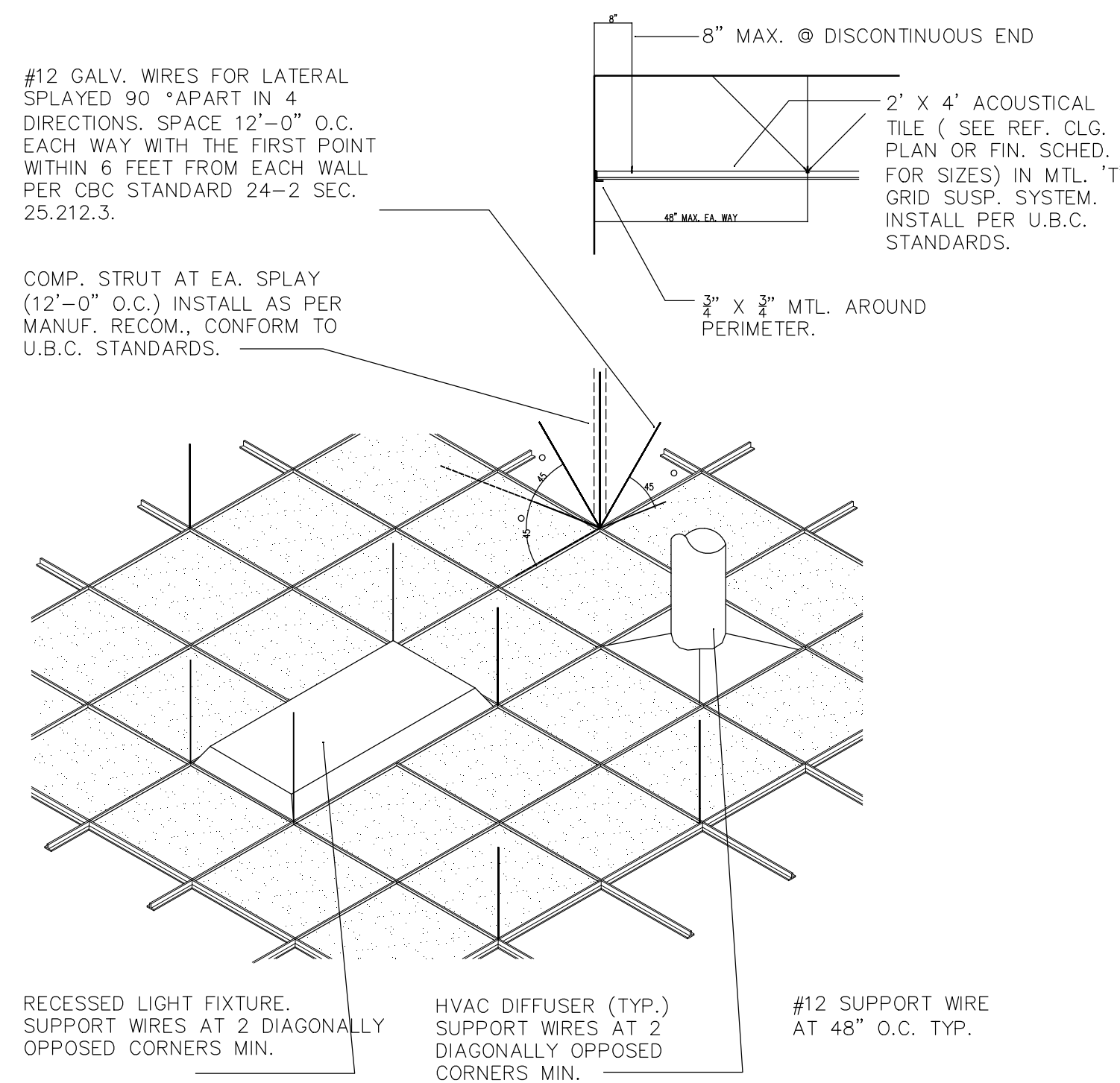
SCALE: 1/2" = 1'-0"



* NOTE: SEE STUD SCHEDULE THIS SHT. FOR GAUGE AND SPACING

 PARTITION WALL BASE

SCALE: 3" = 1'-0"



 CEILING DETAIL

SCALE: N/A

ALLOWABLE WALL HEIGHTS - 2 1/2" STUDS*

STUD SIZE	GA.	SPACING	SPAN
2 1/2" x 1 1/4"	25	24" O.C.	<9'-6"
2 1/2" x 1 1/4"	25	16" O.C.	9'-6"-11'-6"
2 1/2" x 1 1/4"	25	12" O.C.	11'-6"-12'-8"
2 1/2" x 1 3/8"	20	24" O.C.	<13'-8"
2 1/2" x 1 3/8"	20	16" O.C.	13'-8"-15'-8"
2 1/2" x 1 3/8"	20	12" O.C.	15'-8"-17'-3"

* METAL STUD MANUFACTURER'S ASSOC. JUNE 1992 ICBO ER NO. 4943

ALLOWABLE WALL HEIGHTS - 3 5/8" STUDS*

STUD SIZE	GA.	SPACING	SPAN
3 5/8" x 1 1/4"	25	24" O.C.	<11'-7"
3 5/8" x 1 1/4"	25	16" O.C.	11'-7"-14'-3"
3 5/8" x 1 1/4"	25	12" O.C.	14'-3"-16'-5"
3 5/8" x 1 3/8"	20	24" O.C.	<18'-3"
3 5/8" x 1 3/8"	20	16" O.C.	18'-3"-20'-11"
3 5/8" x 1 3/8"	20	12" O.C.	20'-11"-25'-0"

* METAL STUD MANUFACTURER'S ASSOC. JUNE 1992 ICBO ER NO. 4943

ALLOWABLE WALL HEIGHTS - 6" STUDS*

STUD SIZE	GA.	SPACING	SPAN
6" x 1 3/8"	20	24" O.C.	<27'-3"
6" x 1 3/8"	20	16" O.C.	21'-3"-31'-2"
6" x 1 3/8"	20	12" O.C.	31'-2"-34'-4"

* METAL STUD MANUFACTURER'S ASSOC. JUNE 1992 ICBO ER NO. 4943

 STUD SIZE, SPAN & SPACING SCHEDULE

SCALE: N/A

NEVADA COUNTY STORAGE FACILITY
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(530) 470-3409

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4-20-2022

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DATE: 4-20-2022

JOB NO:

SCALE: AS NOTED

DETAILS

A4

BOBRICK **RECESSED TOILET-SEAT-COVER DISPENSER** **B-3013**

Technical Data

MATERIALS:
Cabinet — 18-g, type-304, heavy-gauge stainless steel. All-welded construction.
Door — 18-g, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 9/16" (14mm) 90° return edge for maximum rigidity. Secured to cabinet with a concealed, full-length stainless steel piano hinge. Equipped with a tamper lock key-like other Bobrick washroom accessories.

OPERATION:
 Dispenses single or half-fold paper toilet seat covers. To fill dispenser, door unlocks with key provided. Capacity: 500 toilet seat covers.

INSTALLATION:
 Provide framed rough wall opening 13-7/8" wide x 11-7/16" high (350 x 295mm). Minimum recessed depth required from finish face of wall is 3-1/4" (83mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount cabinet with slits between framing and cabinet at all points indicated by an S. Then secure unit with four 8 x 1 1/4" (4.8 x 32mm) sheet metal screws (not furnished).

SPECIFICATION:
 Recessed toilet-seat-cover dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be 18-gauge (1.2mm); have 9/16" (14mm) 90° return edge; be secured to cabinet with a concealed, full-length stainless steel piano hinge and equipped with a tamper lock key-like other Bobrick washroom accessories. Dispenser shall have a minimum capacity of 500 paper toilet seat covers. Recessed Toilet-Seat-Cover Dispenser shall be Model B-3013 of Bobrick Washroom Equipment, Inc., Clifton Park, New York, Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

BOBRICK **ClassicSeries® CONVERTIBLE AUTOMATIC UNIVERSAL ROLL PAPER TOWEL MODULE** **3974-250**

Technical Data

MATERIALS:
Automatic Roll Towel Mechanism — Durable, high-torque metal materials. Accepts universal standard rolls, non-perforated 4" (102mm) wide, 9" (229mm) diameter; 6" (152mm) wide, 12" (305mm) diameter core; up to 9" (229mm) diameter core, up to 9" (229mm) diameter, wide, non-perforated, non-proprietary rolls. LED light at the towel opening flashes green when dispenser is ready to dispense. Rollers engage, indicating low battery. Rollers roll and feed rolls to dispenser or to end of service. Towel length can be set for 9" (229mm), 12" (305mm), 17" (430mm). "Paper Sense" feature allows a shorter second sheet to dispense immediately after the first sheet. The "Paper Sense" feature has two second sheet length options: 25" shorter sheet length for 12" diameter sheet length. The "Paper Sense" feature has two second sheet length options: 25" shorter sheet length for 12" diameter sheet length. When the roll is depleted, roll roll automatically starts dispensing without the need to open the dispenser.

OPERATION:
 Electronic sensor automatically dispenses towel when hands are placed under the towel opening. Solenoid LED light directs patron to dispenser area. Dispenses universal 3-1/2" (91.4mm) 3-ply (240) 3-ply (240) diameter core, up to 9" (229mm) diameter, wide, non-perforated, non-proprietary rolls. LED light at the towel opening flashes green when dispenser is ready to dispense. Rollers engage, indicating low battery. Rollers roll and feed rolls to dispenser or to end of service. Towel length can be set for 9" (229mm), 12" (305mm), 17" (430mm). "Paper Sense" feature allows a shorter second sheet to dispense immediately after the first sheet. The "Paper Sense" feature has two second sheet length options: 25" shorter sheet length for 12" diameter sheet length. When the roll is depleted, roll roll automatically starts dispensing without the need to open the dispenser.

INSTALLATION:
 Provide framed rough wall opening 6-3/8" wide x 12-3/8" high (162 x 314mm). Minimum recessed depth required from finish face of wall is 3-3/4" (95mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount cabinet with slits between framing and cabinet at all points indicated by an S. Then secure unit with four 8 x 1 1/4" (4.8 x 32mm) sheet metal screws (not furnished).

REPLACEMENT PARTS:
 Slat Replacement Kit: 35139-53
 Waste Receptacle Replacement: 35139-78
 International Label: 3534-44

BOBRICK **TrimLineSeries™ RECESSED SANITARY NAPKIN DISPOSAL** **B-3513**

Technical Data

MATERIALS:
Cabinet — 18-g, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.
Door — 18-g, type-304, 20-gauge (0.8mm) stainless steel with satin finish. Secured to cabinet with two rivets and equipped with a magnet catch.
Waste Receptacle — 18-g, type-304, heavy-gauge stainless steel. All-welded construction. Removable for servicing. Capacity: 0.6 gal. (2.3 L).

OPERATION:
 To service waste receptacle, unlatch door and remove waste container. Cable door-swing limiter prevents damage to washroom accessories and walls.

INSTALLATION:
 Provide framed rough wall opening 6-3/8" wide x 12-3/8" high (162 x 314mm). Minimum recessed depth required from finish face of wall is 3-3/4" (95mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount cabinet with slits between framing and cabinet at all points indicated by an S. Then secure unit with four 8 x 1 1/4" (4.8 x 32mm) sheet metal screws (not furnished).

REPLACEMENT PARTS:
 Slat Replacement Kit: 35139-53
 Waste Receptacle Replacement: 35139-78
 International Label: 3534-44

BOBRICK **Model 5425 — Surface-Mounted Bradex®**

Product Materials
CABINET & MOUNTING PLATE: 18-gauge satin finish stainless steel.
DOOR: 18-gauge satin finish stainless steel. Draw one-piece construction. Finished with tamper lock and anti-vandal viewing slots.
DISPENSING MECHANISM: chemical- and flame-retardant ABS.

Operation
 Cabinet holds two 7" diameter rolls of 2" or 2 1/2" diameter core toilet tissue (by using core adapters). When first roll is depleted, the bottom access panel level is slid to the other side, revealing the second roll. Roll indicator slot reveals tissue level. Tamper-locked door swings down to replenish tissue rolls.

Installation
 Verify all rough-in dimensions prior to installation. Secure unit to wall or toilet partition with two screws (not included) through mounting holes.

Guide Specification
 Juniors roll toilet tissue dispenser shall be 18-gauge satin finish stainless steel. Dispensing mechanism shall be flame and chemical retardant ABS plastic. Unit shall dispense two 7" diameter toilet tissue rolls with 2" or 2 1/2" diameter core. Unit shall have a sliding access panel to allow dispensing from one roll at a time. Door shall be secured with a tamper lock and anti-vandal viewing slot.
Overall dimensions: 20 3/4" x 11 1/4" x 4 1/4" D.

ADA Compliant
 Consult local and national accessibility codes for proper installation guidelines.
 Conformity and compliance to local and national codes is the responsibility of the installer.

Table: Dimensions

Dim. 'A' Key Surface:	For Dim. 'A'	Top of Unit	Bottom of Unit
Bottom of toilet paper opening to finished floor	20" (508mm)	21 1/4" (549mm)	20" (508mm)
	18" (463mm)	20 1/4" (519mm)	19" (483mm)
	18" (463mm)	20 1/4" (519mm)	19" (483mm)
	17" (430mm)	18 1/4" (465mm)	17" (430mm)
	16" (406mm)	17 1/4" (441mm)	16" (406mm)
	15" (381mm)	16 1/4" (417mm)	15" (381mm)

Table: Rough wall opening

Surface Mount:	No wall wall opening, see overall dimensions

BOBRICK **CenturaSeries® SURFACE-MOUNTED WASTE RECEPTACLE with LinerMate®** **B-277**

Technical Data

MATERIALS:
Receptacle — 18-g, type-304, 20-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish. Front of waste receptacle has same degree of arc as other Bobrick CenturaSeries washroom accessories. Bottom on side edges of waste receptacle complement other CenturaSeries accessories. Top edge beveled and bottom has recessed finger grip. Stainless steel reinforcement straps on back of unit provide strength to the four mounting screw holes. Capacity: 12.75 gal. (48.3 L).

LinerMate Trash Liner Holder — Unit equipped with LinerMate to facilitate installation and removal of disposable trash liners and retains liner inside waste receptacle. LinerMate shall have a molded plastic sleeve with a 2-gauge (1.0mm) stainless steel. Unlatched support strap beveled for safety, riveted construction. LinerMate shall rest inside of waste receptacle area.

OPERATION:
 Top edge of waste receptacle is beveled and bottom has a recessed finger grip for safe handling. The space between bottom of waste receptacle and the floor when unit is properly mounted facilitates floor cleaning. Unit is equipped with LinerMate to accommodate disposable trash liners. LinerMate eliminates messy trash liner overhang and facilitates installation and removal of disposable trash liners. LinerMate used up and forward and rest over edge of waste receptacle from top edge and removal of disposable trash liners. LinerMate shall rest inside of waste receptacle area. Capacity shall be 12.75 gal. (48.3 L). Surface-Mounted Waste Receptacle shall be Model B-277 of Bobrick Washroom Equipment, Inc., Clifton Park, New York, Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

BOBRICK **UTILITY SHELF WITH MOP/BROOM HOLDERS AND RAG HOOKS** **B-224**

Technical Data

MATERIALS:
Shelf — 18-g, type-304, 18-gauge (1.2mm) stainless steel with satin finish. Shelf has 1 1/2" (38mm) return edge for maximum rigidity.
Mounting Brackets — 18-g, type-304, 18-gauge (1.2mm) stainless steel with satin finish; welded to shelf.
Mop/Broom Holders — Spring-loaded rubber caps with anti-slip coating.
Rag Hooks — 18-g, type-304, 16-gauge (1.0mm) stainless steel with satin finish; secured to shelf with rivets.
Drying Rod — 18-g, type-304, 1/4" (6mm) diameter stainless steel with satin finish.

OPERATION:
 Surface-mounted utility shelf with holders is designed to keep mops and brooms away from wall. Spring-loaded rubber caps holders accommodate mop or broom handles from 7/8" to 1 1/4" (22-32mm) diameter. Hooks for conveniently storing rags are located on front of shelf. Rod for hanging wet rags is located below shelf between mounting brackets.

INSTALLATION:
 Secure unit to wall with four sheet metal screws, furnished by manufacturer, at points indicated by an S. For plaster or dry wall construction, provide concealed backing to comply with local building codes and secure with sheet metal screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet metal screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

SPECIFICATION:
 Surface-mounted utility shelf with mop/broom holders and rag hooks shall be type-304 stainless steel with satin finish. Shelf shall be 18-gauge (1.2mm) with 1 1/2" (38mm) return edge. Mounting brackets, welded to shelf, shall be 18-gauge (1.2mm). Mop/Broom Holders and Rag Hooks shall be Model B-224 of Bobrick Washroom Equipment, Inc., Clifton Park, New York, Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

BOBRICK **TILT MIRROR WITH STAINLESS STEEL FRAME** **B-293 SERIES**

Technical Data

MATERIALS:
Mirror Frame — 18-g, type-304, heavy-gauge stainless steel, 3/4" x 3/4" (19 x 19mm) angle with vertical-grain satin finish. One piece, mill-formed construction forms continuous integral sillfin on all sides. Bevel design on front of angle holds frame tightly against mirror. Corners of mirror frame are bevel-welded, ground and polished smooth. Fabricated steel back is fastened to frame with concealed screws and equipped with integral horizontal hanging brackets near top and bottom of the mirror for hanging the mirror and to prevent the mirror from pulling away from the wall frame.
Wall Frame — 18-g, type-304, heavy-gauge stainless steel with satin finish. Tapers from 4 3/8" (111mm) depth at top to 1 5/16" (25mm) depth at bottom. Wall frame installed with tamper lock to secure mirror to wall frame.
Danger: Note: Type 304 stainless steel provides superior corrosion resistance, compared to 300 series stainless steel, against environmental moisture, low-level maintenance and strong cleaning solutions.
Mirror — No. 1 quality, 1/4" (6mm) select glass, selected for shattering; electrochromically copper-plated by the galvanic process, guaranteed for 15 years against silvering. All edges are polished and protected by plastic film strips; back is protected by full-size, shock-absorbing, water-resistant, nonabrasive, 1/8" (3mm) thick polyethylene padding.
OPERATION:
 Mirror is designed to provide full visibility for wheelchair patients to lengthen and morning hours.
INSTALLATION:
 For complete installation instructions please follow 20548 installation instruction sheet.
SPECIFICATION:
 Tilt mirror assembly shall consist of a mirror and a separate wall frame with built-in hanger. Wall frame furnished with tamper lock for securing mirror to wall frame. TB mirror frame shall be type 304 stainless steel with beveled front to hold frame tightly against mirror. Corners shall be beveled, ground, and polished smooth. Wall frame shall be type 304 stainless steel designed with horizontal locking bars to secure mirror to wall frame. All exposed surfaces shall have satin finish with vertical grain. Select glass panel shall be guaranteed for 15 years against silvering. All edges shall be protected by plastic film strips; back shall be protected by full-size, shock-absorbing, water-resistant, nonabrasive, 1/8" (3mm) thick polyethylene padding.
Tilt Mirror shall be Model B-293 (Insert with width and height of Bobrick Washroom Equipment, Inc., Clifton Park, New York, Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

GOJO **FMX-12® DISPENSER DIMENSIONS**

These dimensions apply to GOJO®, PURELL®, PROVOM® and MICRELL® brand FMX-12 dispensers.

Table: Dimensions

View	Dimension	Value
Top View	Width	11 1/2" (292mm)
Top View	Depth	11 1/2" (292mm)
Front View	Height	11 1/2" (292mm)
Side View	Height	11 1/2" (292mm)
Back View	Height	11 1/2" (292mm)

Nevada County Bathroom Accessories

Toilet Seat Cover Dispenser: Bobrick Model # B-3013
 Toilet Paper Dispenser: Bradley Model # 5425-00000
 Sanitary Napkin Disposal: Bobrick Model # B-3513
 Mirror: Bobrick Model # B-293-2436
 Soap Dispenser: GOJO Model # 5150-06
 Automatic Paper Towel Dispenser: Bobrick Model # 3974-250
 AC Adaptor Kit for Paper Towel Dispenser: Bobrick Model # 3974-57
 Hand Sanitizer: Purell Model # 2120-06
 Waste Bin: Bobrick Model # B-277
 Mop Sink Shelf Rack: Bobrick Model # B-224X36
 Hi-Lo Drinking Fountain: Elkay Model # LZSTLBSLWK
 Drinking Fountain Grab Bar: Bobrick Model # B19298

ELKAY **Elkay ezH2O Bottle Filling Station & Versatile Bi-Level ADA Compliant Filtered Refrigerated Light Gray Model LZSTLBSLWK**

PRODUCT SPECIFICATIONS
 Elkay ezH2O Bottle Filling Station & Versatile Bi-Level ADA Compliant Filtered Refrigerated Light Gray. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features include antimicrobial, filtered, Green Tick™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor. Furnished with First-Catch & Safety Bubble™, Electronic Bottle Filter Sensor with Electronic Front and Side Bubble Pushbar activation. Product shall be Wall Mount (On Wall) for indoor applications, serving 2 stations. Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120. Unit shall be lead-free design which is certified to NSF/ANSI 61 & 372 (lead free) and meets Federal and State lead-free requirements.
Special Features: Antimicrobial, Filtered, Green Tick™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor, Light Gray Granite.
Power: 115V/60Hz.
Booster Style: First-Catch & Safety Bubble™.
Activation by: Electronic Bottle Filter Sensor with Electronic Front and Side Bubble Pushbar.
Mounting Type: Wall Mount (On Wall).
Chilling Capacity: 8.0 GPH.
Full Load Amps: 6.0.
Rated Voltage: 115V AC.
Dimensions (L x W x H): 36-3/4" x 19" x 38-1/2".
Approx. Shipping Weight: 104 lbs.
Installation Location: Indoor.
No. of Stations Served: 2.
Based on 90° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.
Special Note: Install with stainless steel back panel (1000004930); accessory to enhance design & ease of installation.
UL 399
NSF/ANSI 42, 53, 61, & 372 (lead free)
GreenSpec®
USA
5 Year Limited Warranty on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**
PART: _____ **QTY:** _____
PROJECT: _____
CONTACT: _____
DATE: _____
NOTES: _____
APPROVAL: _____
 1333 Butterfield Road, Suite 200
 Downers Grove, IL 60515
 © 2021 Page 1
 LZSTLBSLWK_spec.pdf

BOBRICK **1 1/2" (38mm) DIAMETER STAINLESS STEEL DRINKING FOUNTAIN GRAB BAR** **819298**

Technical Data

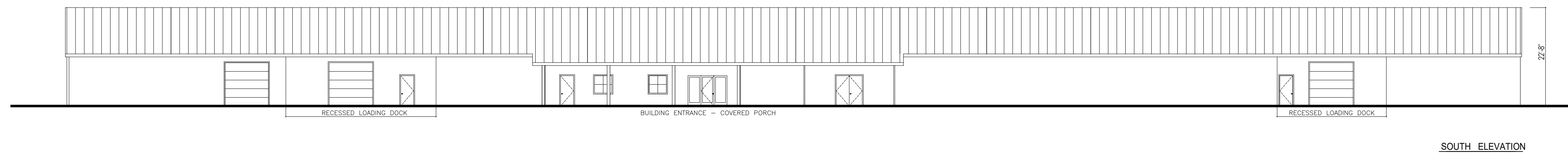
MATERIALS:
Grab Bar — 18-g, type-304, 18-gauge (1.2mm) stainless steel tubing with satin finish. 1 1/2" (38mm) outside diameter. Ends are beveled welded to flanges.
Concealed Mounting Flanges — 18-g S, type-304, 1/8" (3mm) thick, stainless steel plate; end flanges 2" x 3 1/4" (50 x 86mm) with holes for insertion to wall and to floor.
Snap Flange Covers — 18-g S, type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish, 3 1/4" (86mm) diameter x 1 1/2" (38mm) deep. Each cover snaps over mounting flange to conceal mounting screws.
STRENGTH:
 Grab bar can support loads in excess of 250 pounds (113kg) if properly installed, complying with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.
Warning: Grab bars are no stronger than the anchors or walls to which they are attached and therefore, must be firmly secured in order to support the loads for which they are intended.

NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA

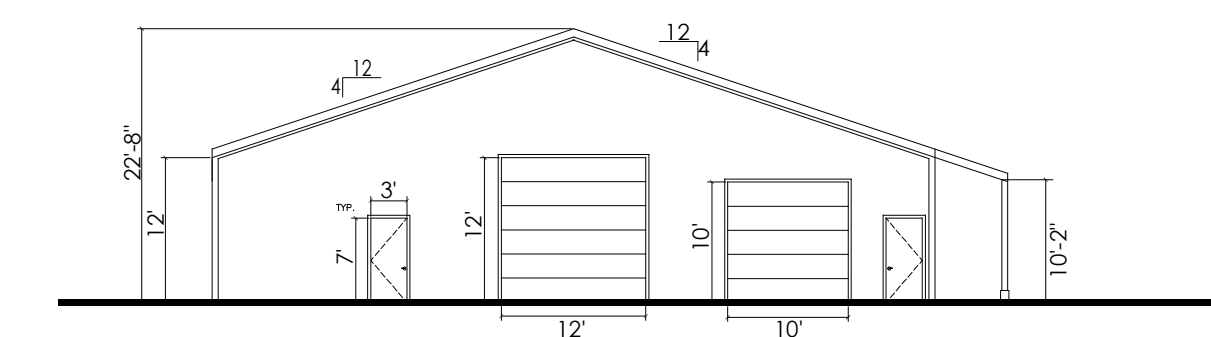
Deer Creek studio
 ARCHITECTURE + INTERIORS
 521 NEVADA STREET
 NEVADA CITY, CA 95959
 (530) 470-3409

SIERRA FOOTHILLS Construction Company
 130 EAST MAIN STREET
 GRASS VALLEY, CA 95945
 (530) 477-5300
 SFCNCC.COM

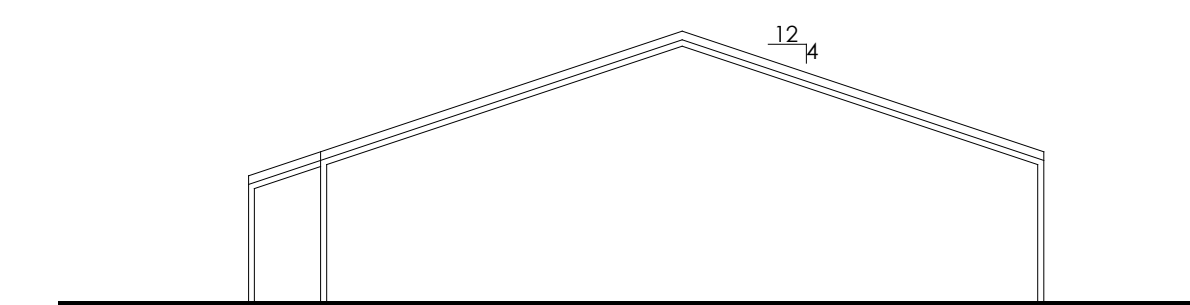
REVIEWS
 △ ISSUED FOR PRICING 4-20-2022
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 DATE: 4-20-2022
 JOB NO:
 SCALE: AS NOTED
COUNTY SPECIFICATIONS
A5



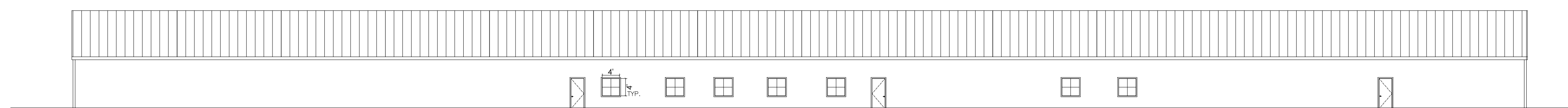
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION



NORTH ELEVATION

NEVADA COUNTY STORAGE FACILITY

12470 LOMA RICA DRIVE
GRASS VALLEY, CA

Deer Creek

studio
ARCHITECTURE + INTERIORS
521 NEVADA STREET
NEVADA CITY, CA 95959
(530) 470-3409



REVISIONS

△	ISSUE FOR PRICING
△	4-25-2022
△	
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DATE: 4-25-2022
JOB NO:
SCALE: 1/16" = 1'-0"

EXTERIOR
ELEVATIONS

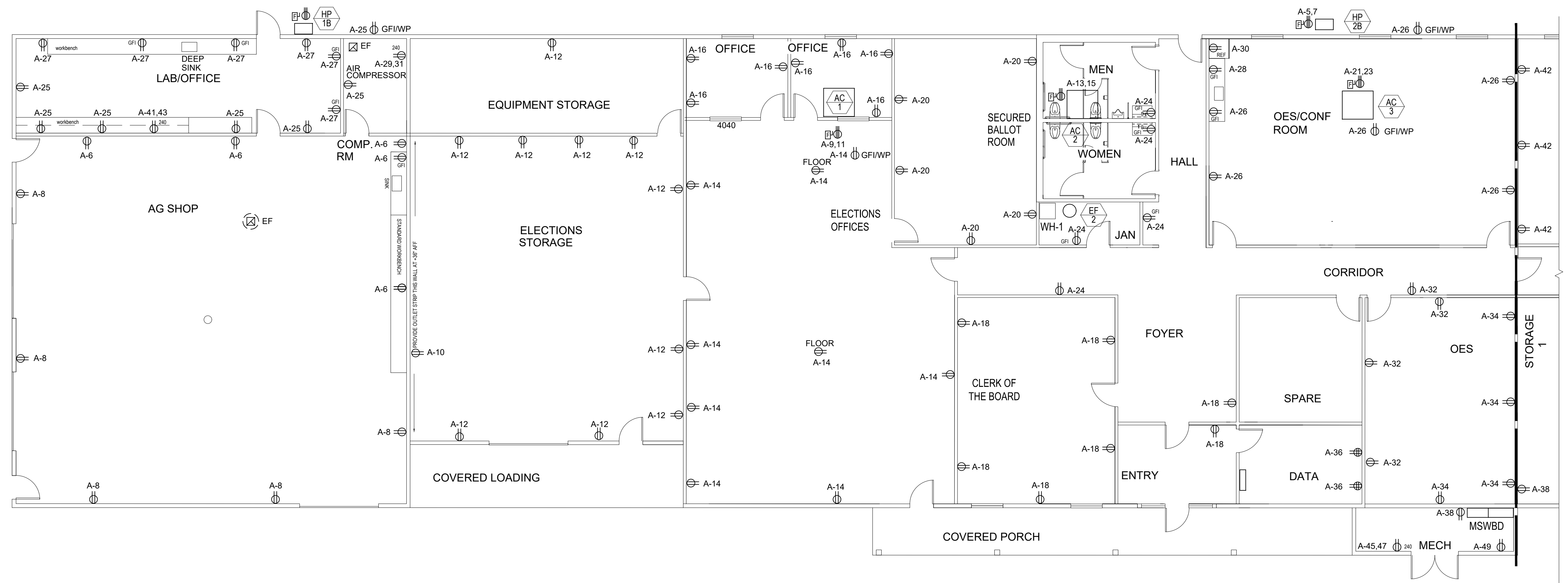
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- PLANS NOTES
- ① PROVIDE AND INSTALL UFER GROUND FOR NEW SERVICES PER ART.250. BOND ALL METALLIC CONDUIT SYSTEMS, BUILDING STEEL AND RACEWAYS. SIZE GROUNDS PER CEC TABLE 250.66
 - ② PROVIDE WEATHER RATED GFCI DEVICES AND IN-USE COVERS FOR ALL 120V OUTDOOR RECEPTACLES
 - ③ PROVIDE AND INSTALL PHOTOSENSORS FOR DAYLIGHT HARVESTING WHERE REQUIRED; AREAS WITH LESS THAN 120 WATTS OF GENERAL LIGHTING POWER IN THE PRIMARY DAYLIT ZONE ARE EXEMPT. (CEC T24 SECTION 12.1 (d) 2, EXCEPTION 1)
 - ④ PROVIDE FUSED DISCONNECTS COMPLIANT WITH THE REQUIREMENTS OF NEC 430.102(B)(1) AND (B) (2) FOR ALL MECHANICAL EQUIPMENT. DISCONNECTS ARE TO BE LOCATED NO MORE THAN 50' AWAY AND WITHIN LINE OF SIGHT OF THE CONNECTED EQUIPMENT.
 - ⑤ PROVIDE FIRE EXIT LIGHTING TO COMPLY WITH NFPA 101 STANDARDS REQUIRING A MINIMUM OF 90 MINUTES BACK-UP TIME, ILLUMINATING AN EXIT PATH AS DEFINED BY AN ARCHITECT OR ENGINEER AS HAVING NO LESS THAN A 1fc AVERAGE AND .1fc MINIMUM ALONG THE PATH.
 - ⑥ PROVIDE DEDICATED 20A CIRCUIT FOR FIRE ALARM CONTROL PANEL; USE LOCK-OUT HANDLE COVER & RED CIRCUIT BREAKER HANDLE
 - ⑦ PROVIDE CONTROLLED RECEPTACLES IN ENTRY, BREAK ROOM & OFFICE SPACES PER CEC T-24 PART 6 SEC 130.5(d)
 - ⑧ PROVIDE MANDATORY LIGHTING CONTROLS IN ALL SPACES PER CEC T-24 PART 6 SEC 130.1
 - ⑨ PROVIDE AS-BUILT DRAWINGS TO THE OWNER UPON JOB COMPLETION
 - ⑩ ALL RECEPTACLES SHALL BE LOCATED +15" AFF MIN. TO THE BOTTOM OF THE COVER PLATE; ALL SWITCHES TO BE NO HIGHER THAN 48" AFF TO THE TOP.
 - ⑪ ACCEPTANCE TESTING IS NOT REQUIRED IF LESS THAN 20 FIXTURES ARE CONTROLLED WITH THE NEW LIGHTING CONTROL SYSTEM (EXCEPTION 141.0(b) OF THE 2016 CALIFORNIA ENERGY CODE) IF MORE THAN 20 FIXTURES ARE INSTALLED, A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN IS REQUIRED TO PERFORM THE TESTS SET FORTH IN THE NRCA SERIES ACCEPTANCE FORMS
 - ⑫ ALL ELECTRICAL BOXES AND ENCLOSURES PENETRATING ANY CEILING OR FIRE-RATED STRUCTURE TO HAVE A MINIMUM ONE HOUR FIRE RATING
 - ⑬ FEEDER TAP SUPPLYING PANEL "B" TO BE CONSTRUCTED USING THE PROVISIONS OF CEC ART. 240.21(2), FEEDER TAPS NOT OVER 25' LONG, PROTECTED FROM PHYSICAL DAMAGE IN CONDUIT, NOT < 1/3 OF THE AMPACITY OF THE FEEDER PROTECTIVE DEVICE AND TERMINATING IN A SINGLE OVERCURRENT PROTECTIVE DEVICE
 - ⑭ ALL BRANCH CIRCUIT AND FEEDER HOME RUNS SHALL BE CLEARLY IDENTIFIED AS TO SPECIFIC PURPOSE AND USE. THIS IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. THIS IDENTIFICATION SHALL BE INCLUDED IN A CIRCUIT DIRECTORY LOCATED ON THE FACE OR INTERIOR OF THE PANEL DOOR AND LOCATED ON EACH SWITCH AT A SWITCHBOARD (2019 CEC ART. 408.4)
 - ⑮ ALL CIRCUIT CONDUCTORS SMALLER THAN #2 THHN TO BE COPPER, U.O.N. ALL BRANCH CIRCUITS TO BE CONSTRUCTED WITH #12 THHN CU U.O.N.
 - ⑯ MAIN SWITCHBOARD SHALL BE MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED CEC 110.24(A)
 - ⑰ MAIN SERVICE DISCONNECT SHALL BE MARKED PERMANENTLY CEC 230.70(B)
 - ⑱ ARC FLASH WARNING LABEL ON SWBD SHALL BE PROVIDED IN ACCORD. WITH CEC 110.16
 - ⑲ INSTALL SYSTEM USING FULLY RATED PANELS AND EQUIPMENT

ELECTRIC SCOPE OF WORK

1. The Electrical Contractor shall provide all labor and materials necessary for a complete and working electrical system; the system shall include but is not limited to:
 - Generators, Transformers, Feeders and Panels: -install generators, transformers, service feeders and panels with appropriate circuit protective devices.
 - Lighting system, Title 24 compliant, including automated control devices, fixtures and lamps. The lighting system shall provide minimum lighting levels for areas served (e.g. warehouse, manufacturing, offices, reception area, etc.)
 - Refrigeration / Freezer circuits, including fused disconnects, fixtures and line voltage control wiring. Not to include equipment, low voltage or case assembly.
 - HVAC circuits, including fused disconnects, per HVAC contractor's requirements. Not to include equipment, machine interconnection or thermostat cabling.
 - General use circuits to include branch circuits for computer terminals and non-specific outlets. Circuits shall be dedicated when used to serve phone switches, computer servers, copiers and specified equipment.
 - Lighting Controls System to include fully functional, Title 24 - part 6 compliant lighting control. Include all necessary components for dimming, vacancy control and daylight harvesting. Include all necessary acceptance testing inspections & NRCC installation forms.
2. The electrical system shall include:
 - Full conduit system. EMT conduit, flex or bx cabling shall be used throughout. All exposed conduits shall be run plumb, true and at right angles to the building lines.
 - Conductors to be copper, 12awg minimum, excepting feeder conductors larger than #4 AWG.
 - Specification grade devices.
3. All materials shall be new and free of defects.
4. Upon completion, provide a detailed "as-built" plans to the owner.
5. Upon completion, provide product manuals and instruction as to the correct use, function and maintenance of each system and device.
6. All work to be minimally invasive to other tenancies. Collect refuse daily and store materials so as to not interfere with other areas of construction.
7. Coordinate work with other trades; advise plans or field conflicts to the General Contractor or Architect as they become known and before proceeding with construction.
8. Work not to include: Floor cutting and patching, coring, repair to existing interior wall finishes.
9. Work not to include: Low voltage cabling including, but not limited to: Phone, Computer Networking or CATV.
10. The General Contractor is to maintain jobsite sanitary facilities and a garbage container suitable for construction debris. The Electrical Contractor shall keep his portion of the jobsite neat and orderly. All refuse is to be placed in the container at the end of each business day.
11. Excluded from this scope: Nevada County Building Dept. permits, fees and inspections



General Notes

LEGEND

LOC	LIGHTING CONTROL CABT
⊕	LIGHT FIXTURE
⊕	EXIT LIGHT W/ EMERG HEAD
⊕	EMERGENCY FIXTURE
⊕	RECESS LIGHT FIXTURE
⊕	TRACK FIXTURE
□	TROFFER
⊕	SWITCH
⊕	SWITCH, VACANCY
⊕	SWITCH DIGITAL DIMMER
⊕	SWITCH DIMMER
⊕	POWER PACK
⊕	RELAY
⊕	LIGHTING CONTROLLER
⊕	OCCUPANCY SENSOR
⊕	PHOTO SENSOR
⊕	DUPLEX RECEPTACLE, NEMA 5-20
⊕	DUPLEX RECEPTACLE CONTROLLED
⊕	DUPLEX RECEPTACLE, GFI
⊕	DUPLEX RECEPTACLE, FLOOR
⊕	DUPLEX RECEPTACLE SPLIT CONTROLLED
⊕	RECEPTACLE, ANSI SPECIAL
⊕	RECEPTACLE, SINGLEPLEX
⊕	RECEPTACLE, LOW VOLTAGE
⊕	DISCONNECT, FUSED

NOTES:

No.	Revision/Issue	Date

Grass Valley Electric

G. Brady Pryor

Phone: (530) 273-7543
 Call: (530) 913-3384
 Fax: (530) 273-3450
 bradypryor@sbcglobal.net

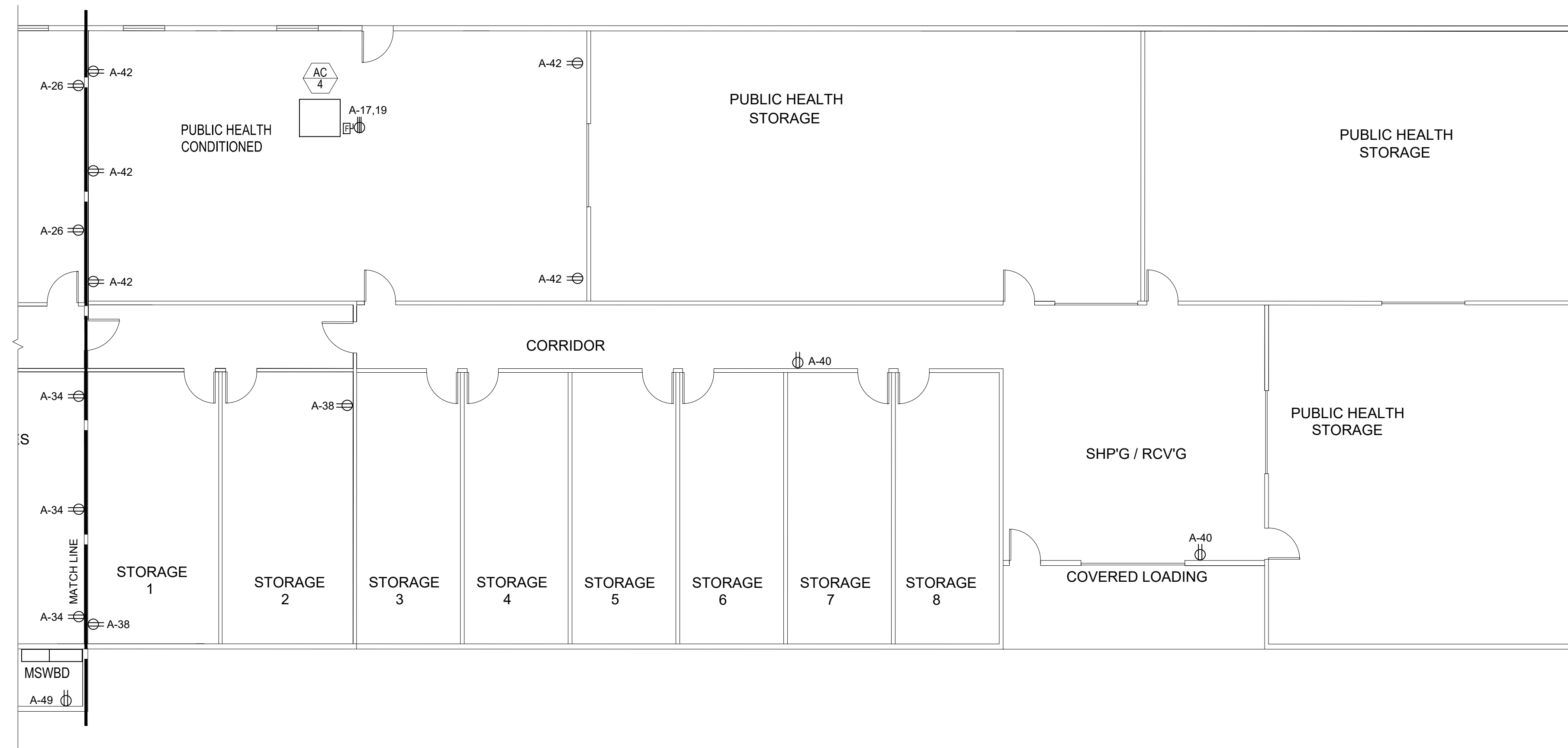
Lic. #392506
 10973 Rough & Ready Hwy,
 Grass Valley, California 95945

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA 95945

Project No.	Sheet
Date	ELECTRIC POWER PLANS
4-22-2022	E1.0
Scale	1/8" = 1'-0"

WEST - ELECTRIC POWER PLAN

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



EAST - ELECTRIC POWER PLAN

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

General Notes

LEGEND

- LCC LIGHTING CONTROL CABT
- ⊕ LIGHT FIXTURE
- ⊕ EXIT LIGHT W/ EMERG HEAD
- ⊕ EMERGENCY FIXTURE
- ⊕ RECESS LIGHT FIXTURE
- ⊕ TRACK FIXTURE
- TROFFER
- ⊕ SWITCH
- ⊕ SWITCH, VACANCY
- ⊕ SWITCH DIGITAL DIMMER
- ⊕ SWITCH DIMMER
- ⊕ POWER PACK
- ⊕ RELAY
- ⊕ LIGHTING CONTROLLER
- ⊕ OCCUPANCY SENSOR
- ⊕ PHOTO SENSOR
- ⊕ DUPLEX RECEPTACLE, NEMA 5-20
- ⊕ DUPLEX RECEPTACLE CONTROLLED
- ⊕ DUPLEX RECEPTACLE, GFI
- ⊕ DUPLEX RECEPTACLE, FLOOR
- ⊕ DUPLEX RECEPTACLE SPLIT CONTROLLED
- ⊕ RECEPTACLE, ANSI SPECIAL
- ⊕ RECEPTACLE, SINGLEPLEX
- ⊕ RECEPTACLE, LOW VOLTAGE
- ⊕ DISCONNECT, FUSED

NOTES:

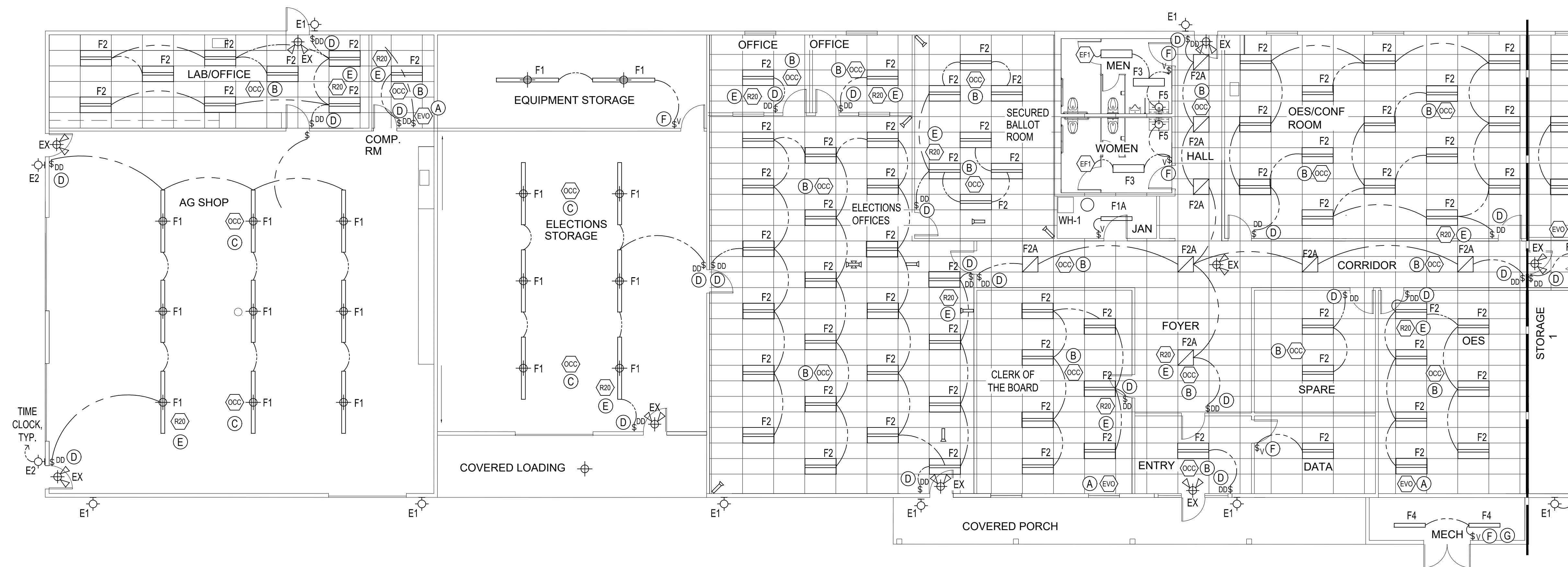


No.	Revision/Issue	Date

Grass Valley Electric
 G. Brady Pryor
 Phone: (530) 273-7543
 Cell: (530) 913-3384
 Fax: (530) 273-3450
 bradypryor@sbcglobal.net
 Lic. #392506
 10973 Rough & Ready Hwy,
 Grass Valley, California 95945

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA 95945

Project No.	Sheet
Date	ELECTRIC POWER PLANS
4-22-2022	E2.0
Scale	
1/8"=1'-0"	



WEST - ELECTRIC LIGHTING PLAN

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

General Notes

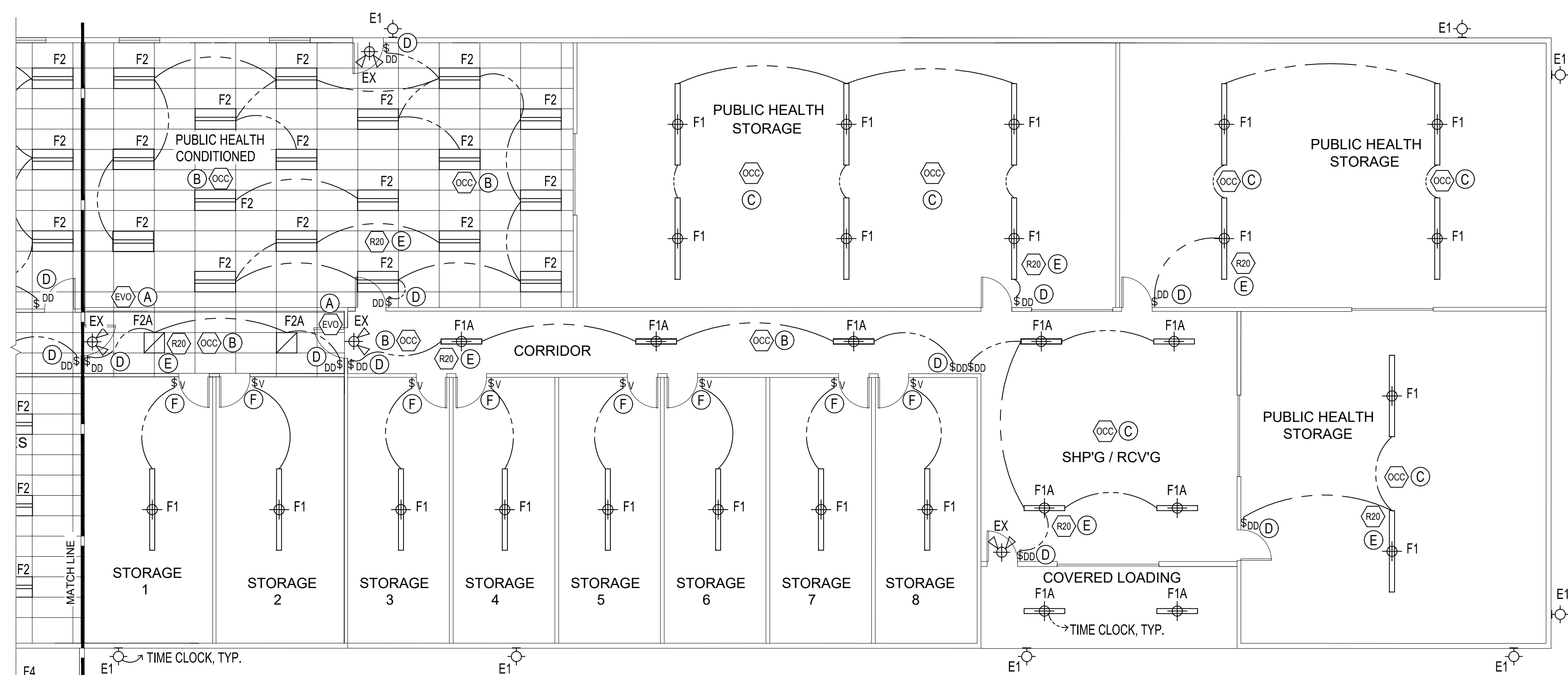
LEGEND

- LOC LIGHTING CONTROL CABT
- ⊕ LIGHT FIXTURE
- ⊕ EXIT LIGHT W/ EMERG HEAD
- ⊕ EMERGENCY FIXTURE
- ⊕ RECESS LIGHT FIXTURE
- ⊕ TRACK FIXTURE
- ⊕ TROFFER
- ⊕ SWITCH
- ⊕ SWITCH, VACANCY
- ⊕ SWITCH DIGITAL DIMMER
- ⊕ SWITCH DIMMER
- ⊕ POWER PACK
- ⊕ RELAY
- ⊕ LIGHTING CONTROLLER
- ⊕ OCCUPANCY SENSOR
- ⊕ PHOTO SENSOR
- ⊕ DUPLEX RECEPTACLE, NEMA 5-20
- ⊕ DUPLEX RECEPTACLE CONTROLLED
- ⊕ DUPLEX RECEPTACLE, GFI
- ⊕ DUPLEX RECEPTACLE, FLOOR
- ⊕ DUPLEX RECEPTACLE SPLIT CONTROLLED
- ⊕ RECEPTACLE, ANSI SPECIAL
- ⊕ RECEPTACLE, SINGLEPLEX
- ⊕ RECEPTACLE, LOW VOLTAGE
- ⊕ DISCONNECT, FUSED

NOTES:

FIXTURE SCHEDULE					
Type	Manufacturer	Catalog	Wattage	Mount/Weight	Dim
F1	Columbia	MPS8-40-LW-FW-EDU	55w	Pendant	Y
F1A	Columbia	MPS4-40-LW-C-W-EDU	27.4w	Pendant	Y
F2	Columbia	LCA24-35-LW-G-EDU	32w	Grid	Y
F2A	Columbia	LCA22-35-LW-G-EDU	21w	Grid	Y
F3	Columbia	LAW4-40-LW-EDU	37w	Surface	Y
F4	Columbia	CWM2-40-MW-SM-FR-FP-EDU	32w	Surface	Y
EX	Compass	CCG	3w	Ceiling / Wall	N
EM	Compass	CU-2	3w	Ceiling / Wall	N
EMA	Compass	CUSO	3w	Ceiling / Wall	N
E1	Hubbell	RWL1-48L-20-4K7-4W-U	20w	Surface	N
E2	Hubbell	RWL2-160L-80-4K7-4W-U	80w	Surface	N

LIGHTING CONTROLS SCHEDULE				
Unit	Manufacture	Catalog	Remarks	
(A)	Lighting Controller	ILC	LL-EVO	Surface Mount
(B)	Occupancy Sensor	ILC	ILC-SWX-221-1	Surface Mount
(C)	Occupancy Sensor	ILC	ILC-SWX-222-1	Surface Mount
(D)	Digital Dimming Switch	ILC	LS-G3-WH-XX-1M2D	Wallbox Mount
(E)	Digital Dimming Relay	ILC	R20D	Fixture Mount
(F)	Vacancy Switch	ILC	SWX-123-WH	Wallbox Mount
(G)	Timeclock	Intermatic	ET8215C	Surface Mount



EAST - ELECTRIC LIGHTING PLAN

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

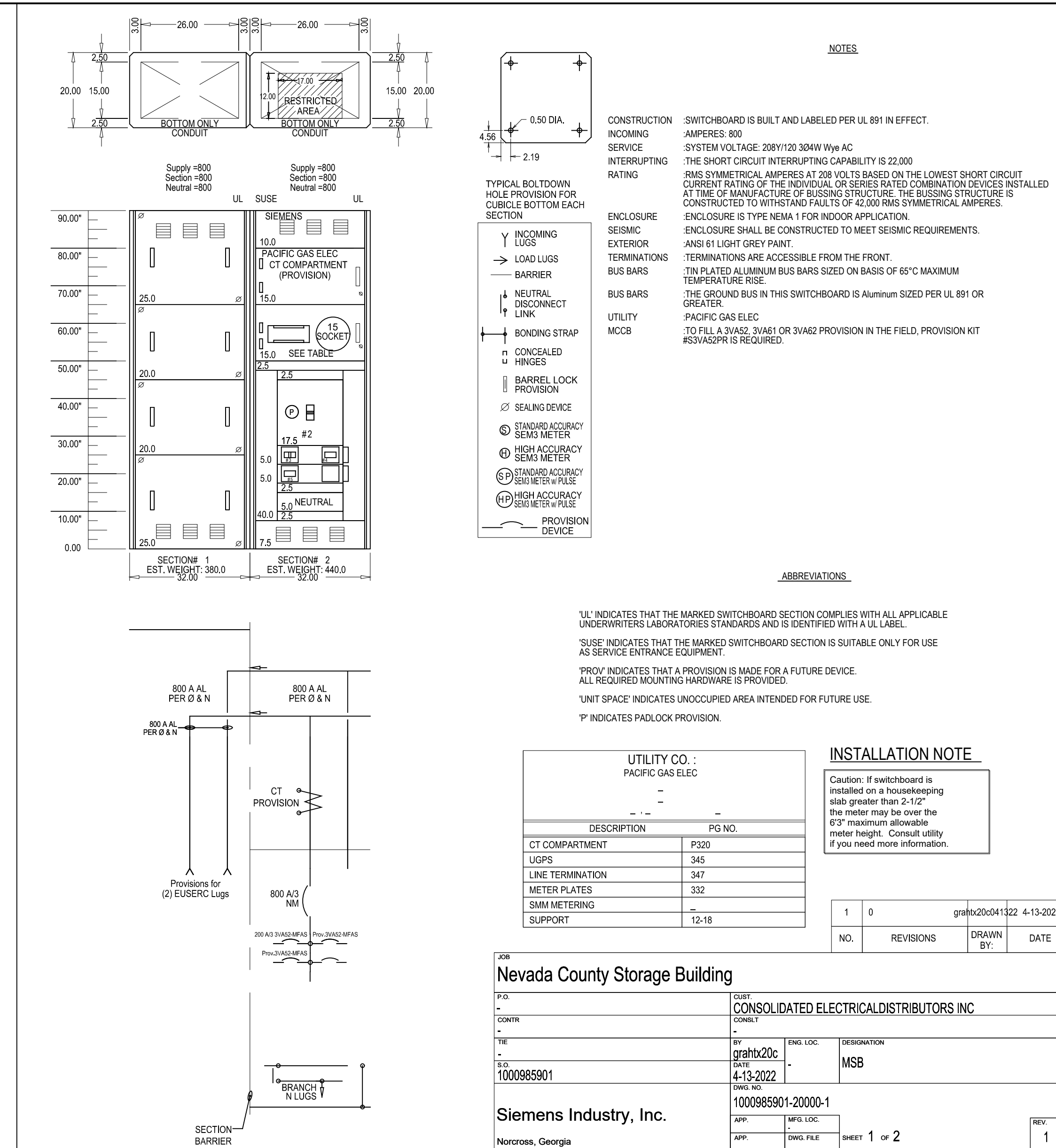


No.	Revision/Issue	Date

Grass Valley Electric
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 10973 Rough & Ready Hwy,
 Grass Valley, California 95945

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA 95945

Project No.	Sheet
Date	ELECTRIC LIGHTING PLANS
4-22-2022	
Scale	E3.0
1/8"=1'-0"	



NOTES:

CONSTRUCTION : SWITCHBOARD IS BUILT AND LABELED PER UL 891 IN EFFECT.

INCOMING : AMPERES 800

SERVICE : SYSTEM VOLTAGE: 208Y/120 3Ø4W Wye AC

INTERRUPTING : THE SHORT CIRCUIT INTERRUPTING CAPABILITY IS 22,000

RATING : RMS SYMMETRICAL AMPERES AT 208 VOLTS BASED ON THE LOWEST SHORT CIRCUIT CURRENT RATING OF THE INDIVIDUAL OR SERIES RATED COMBINATION DEVICES INSTALLED AT TIME OF MANUFACTURE OF BUSSING STRUCTURE. THE BUSSING STRUCTURE IS CONSTRUCTED TO WITHSTAND FAULTS OF 42,000 RMS SYMMETRICAL AMPERES.

ENCLOSURE : ENCLOSURE IS TYPE NEMA 1 FOR INDOOR APPLICATION.

ENCLOSURE : ENCLOSURE SHALL BE CONSTRUCTED TO MEET SEISMIC REQUIREMENTS.

SEISMIC : ANSI 61 LIGHT GREY PAINT.

EXTERIOR : TERMINATIONS ARE ACCESSIBLE FROM THE FRONT.

TERMINATIONS : TYPICAL ALUMINUM BUS BARS SIZED ON BASIS OF 65°C MAXIMUM TEMPERATURE RISE.

BUS BARS : THE GROUND BUS IN THIS SWITCHBOARD IS ALUMINUM SIZED PER UL 891 OR GREATER.

BUS BARS : PACIFIC GAS ELEC

UTILITY : TO FILL A 3VA62, 3VA61 OR 3VA62 PROVISION IN THE FIELD, PROVISION KIT #S3VA2PR IS REQUIRED.

MCCB :

ABBREVIATIONS:

UL: INDICATES THAT THE MARKED SWITCHBOARD SECTION COMPLIES WITH ALL APPLICABLE UNDERWRITERS LABORATORIES STANDARDS AND IS IDENTIFIED WITH A UL LABEL.

SUITE: INDICATES THAT THE MARKED SWITCHBOARD SECTION IS SUITABLE ONLY FOR USE AS SERVICE ENTRANCE EQUIPMENT.

PROV: INDICATES THAT A PROVISION IS MADE FOR A FUTURE DEVICE. ALL REQUIRED MOUNTING HARDWARE IS PROVIDED.

UNIT SPACE: INDICATES UNOCCUPIED AREA INTENDED FOR FUTURE USE.

P: INDICATES PADLOCK PROVISION.

UTILITY CO. :
PACIFIC GAS ELEC

CT COMPARTMENT P230

LUGS 345

LINE TERMINATION 347

METER PLATES 332

SMM METERING -

SUPPORT 12-18

INSTALLATION NOTE

Caution: If switchboard is installed on a housekeeping slab greater than 2'-1/2" the meter may be over the ECT maximum allowable meter height. Consult utility if you need more information.

NO.	REVISIONS	DRAWN BY:	DATE
1	0	grahk20c	4-13-2022

Siemens Industry, Inc.
Norcross, Georgia

Nevada County Storage Building

CONSOLIDATED ELECTRICAL DISTRIBUTORS INC

BY: grahk20c
DATE: 4-13-2022

DWG NO: 1000985901

DWG NO: 1000985901-20000-1

APP: MFG LOC: MSB
APP: DWG FILE: SHEET 1 of 2

LOAD CALCULATIONS FOR "PANEL A"
BASED ON THE 2017 NEC

	L1	L2	L3	NEC 220.61(A) NEUTRAL
CALCULATED LOAD (NEC 215.5)	23,092 VA	23,506 VA	24,508 VA	24,508 VA
CALCULATED LOAD WITH DEMAND FACTORS (NEC 215.5)				
GENERAL LOAD	180 VA	0 VA	180 VA	180 VA
RECEPTACLE LOAD (NEC TABLE 220.44)				
1ST 10,000V	3,363 VA	3,628 VA	3,009 VA	3,009 VA
REMAINDER @ 50%	1,739 VA	1,876 VA	1,556 VA	1,556 VA
CONTINUOUS LOAD (NEC 215.2)	2,274 VA	2,266 VA	440 VA	440 VA
PLUS 25% (L1, L2, L3)	569 VA	567 VA	110 VA	0 VA
0% (NEUTRAL) NEC 215.2(A) EX NO. 2				
MOTOR LOAD (NEC 430.24)	13,788 VA	13,860 VA	17,768 VA	17,768 VA
PLUS 25% OF LARGEST MOTOR	925 VA	835 VA	925 VA	925 VA
KITCHEN LOADS (NEC 220.56)				
L1 (0 X 1) =	0 VA			
L2 (0 X 1) =		0 VA		
L3 (0 X 1) =			0 VA	0 VA
TOTAL BALANCED LOAD (3-PHASE)	22,848 VA	22,848 VA	22,848 VA	
TOTAL BALANCED LOAD (1-PHASE)	0 VA	184 VA	184 VA	
TOTAL UNBALANCED LOAD (1-PHASE)	0 VA	0 VA	956 VA	
NEUTRAL LOAD				23,876 VA
LINE AMPS BALANCED (3-PHASE)				
LINE AMPS BALANCED (1-PHASE)	0.0 A	1.5 A	1.5 A	
LINE AMPS UNBALANCED (1-PHASE)	0.0 A	0.0 A	6.0 A	
TOTALS	164.9 A	166.4 A	174.4 A	199.0 A
ADJUSTMENT FACTOR	0.0 A	0.0 A	0.0 A	0.0 A
TOTAL DESIGN LOAD	164.9 A	166.4 A	174.4 A	199.0 A
VOLTAGE DROP CALCULATIONS				
Three Phase	(2 X 10 ⁻³ L X 0.0847 R X 174.4 A + 1,000 X 0.866) = 0.3 VD			
Voltage Drop %	(0.3 VD ÷ 240 V X 100) = 0.1 % VD			
HARMONIC CURRENT CALCULATION (NEC 310.15 (B) (4) & NEC TABLE 310.15 (B) (2) (A))				
(Harmonic Load 0 VA ÷ Connected Load 71,106 VA) X 100 = 0 %				
Harmonic Load Does Not Exceed 50%				
FAULT CURRENT CALCULATIONS				
Available Fault Current at Starting Point ((18,231 AFC X 1.00 UA) + 108 MC) = 18,339 AFC				
Conductor Factor CF - Formula (1.732 X 10 L X 18,339 AFC) ÷ (12,122 C X 1 N X 240 V) = 0.109 CF				
Conductor Multiplier CM - Formula (1 + (1 + 0.109 CF) ÷ 0.902 CM) = 1.092 CM				
Conductor Let-Through Current CLC - Formula (18,339 AFC X 0.902 CM) = 16,542 CLC				

A - Amps
AFC - Available Fault Current
C - Conductor Constant
CF - Conductor Factor
CLC - Conductor Let-Through Current
CM - Conductor Multiplier
L - Length of Conductor
MC - Major Contributor
N - Number of Conductors Per Phase
R - Resistance
UA - Utility Adjustment 1.1
V - Voltage
VA - Volt Amps
VD - Voltage Drop

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PANEL A		FEEDER	
FED FROM	MAIN SWITCHBOARD	NUMBER OF CONDUITS	1
# CIRCUITS	84	FEEDER CONDUIT	2 1/2"
WV VOLTAGE	240	WIRE SIZE L1	#250
LOW VOLTAGE	120	WIRE SIZE L2	#250
PHASE	3Y	WIRE SIZE L3	#250
DESIGN LOAD AMPS	200	WIRE SIZE NEUTRAL	#250
NEUTRAL BUS	YES	WIRE SIZE GROUND	#4
GROUND BUS	YES		
AVAILABLE FAULT CURRENT AT THIS PANEL	16,542		
MAIN LUG ONLY			

#	BKR	CIRCUIT DESCRIPTION	H	I	VA	VA	I	H	CIRCUIT DESCRIPTION	BKR	#
1	15A-2P	HP-1	M	1,080	L1	1,159	C		AG LIGHTING	20A-1P	2
3	15A-2P	HP-1	M	1,080	L2	1,166	C		CENTER LIGHTING	20A-1P	4
5	15A-2P	HP-2	M	1,080	L3	1,080	D		AG RECEPTACLES	20A-1P	6
7	15A-2P	HP-2	M	1,080	L1	900	D		AG RECEPTACLES	20A-1P	8
9	40A-2P	AC-1	M	3,340	L2	1,800	D		ELECT STORAGE RECEIPT	20A-1P	10
11	40A-2P	AC-1	M	3,340	L3	1,820	D		ELECT STORAGE RECEIPT	20A-1P	12
13	40A-2P	AC-2	M	3,340	L1	1,440	D		ELECT OFFICES RECEIPT	20A-1P	14
15	40A-2P	AC-2	M	3,340	L2	1,080	D		ELECT OFFICES RECEIPT	20A-1P	16
17	20A-2P	AC-4	M	1,848	L3	1,260	D		BOARD CLERK RECEIPT	20A-1P	18
19	20A-2P	AC-4	M	1,848	L1	1,080	D		SECURED BALLOT RECEIPT	20A-1P	20
21	40A-2P	AC-3	M	3,340	L2	1,080	D		ELECT OFFICES RECEIPT	20A-1P	22
23	40A-2P	AC-3	M	3,340	L3	900	D		REST ROOM/JANITOR	20A-1P	24
25	20A-1P	LAB RECEPTACLES	D	1,260	L1	1,080	D		DES/CONF RM RECEIPT	20A-1P	26
27	20A-1P	LAB RECEPTACLES	D	800	L2	1,260	D		DES/CONF RM RECEIPT	20A-1P	28
28	40A-2P	AIR COMPRESSOR	M	3,700	L3	750	M		DES/CONF REFRIGERATOR	20A-1P	30
29	20A-1P	ROOF RECEPTACLES	M	3,700	L1	540	D		DES RECEPTACLES	20A-1P	32
33	20A-1P	WATER HEATER 2	M	1,800	L2	540	D		DES RECEPTACLES	20A-1P	34
35	30A-2P	WATER HEATER 1	M	2,750	L3	360	D		DATA RECEPTACLES	20A-1P	36
37	30A-2P	WATER HEATER 1	M	2,750	L1	540	D		MECH / STORAGE RECEIPT	20A-1P	38
31	40A-2P	AIR COMPRESSOR	M	3,700	L1	540	D		DES RECEPTACLES	20A-1P	40
41	20A-2P	LAB RECEPTACLE	G	180	L3	900	D		PUBLIC HEALTH RECEIPT	20A-1P	42
43	20A-2P	LAB RECEPTACLE	G	180	L1	1,100	C		STORAGE LIGHTING	20A-1P	44
45	20A-1P	SEWER LIFT STATION	M	960	L2	1,100	C		CONF / HEALTH LIGHTING	20A-1P	46
47	20A-1P	SEWER LIFT STATION	M	960	L3	440	C		EXTERIOR LIGHTING	20A-1P	48
49	20A-1P	FIRE ALARM PANEL	C	15	L1		G				50
51			L2				G				52
53			L3				G				54

General Notes

LEGEND

- LCC LIGHTING CONTROL CABT
- ⊕ LIGHT FIXTURE
- ⊕ EXIT LIGHT W/ EMERG HEAD
- ⊕ EMERGENCY FIXTURE
- ⊕ RECESS LIGHT FIXTURE
- ⊕ TRACK FIXTURE
- ⊕ TROFFER
- ⊕ SWITCH
- ⊕ SWITCH, VACANCY
- ⊕ SWITCH DIGITAL DIMMER
- ⊕ SWITCH DIMMER
- ⊕ POWER PACK
- ⊕ RELAY
- ⊕ LIGHTING CONTROLLER
- ⊕ OCCUPANCY SENSOR
- ⊕ PHOTO SENSOR
- ⊕ DUPLEX RECEPTACLE, NEMA 5-20
- ⊕ DUPLEX RECEPTACLE CONTROLLED
- ⊕ DUPLEX RECEPTACLE, GFI
- ⊕ DUPLEX RECEPTACLE, FLOOR
- ⊕ DUPLEX RECEPTACLE SPLIT CONTROLLED
- ⊕ RECEPTACLE, ANSI SPECIAL
- ⊕ RECEPTACLE, SINGLEPLEX
- ⊕ RECEPTACLE, LOW VOLTAGE
- ⊕ DISCONNECT, FUSED

NOTES:

No.	Revision/Issue	Date

Grass Valley Electric
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Fax: (530) 273-3450
bradypryor@shglobal.net

LICENSED ELECTRICAL CONTRACTOR
C-10
LICENSE NO 332586
STATE OF CALIFORNIA

10973 Rough & Ready Hwy.
Grass Valley, California 95945
Lic. #392506

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
12470 LOMA RICA DRIVE
GRASS VALLEY, CA 95945

Project No.	Sheet
	MAIN SWITCHBOARD
	ELECTRIC POWER PANELS
Date	4-22-2022
Scale	E4.0
N/A	

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 1 of 7
 Date Prepared: 04/12/2022

A. GENERAL INFORMATION

01 Project Location (city)	Grass Valley	04 Total Conditioned Floor Area (ft ²)	8,352
02 Climate Zone	11	05 Total Unconditioned Floor Area (ft ²)	11,874
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1

Office Retail Warehouse Hotel/Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Other (write in): Ag Shop

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01	02	03
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/> New Lighting System	Complete Building	8,352
	Complete Building	11,874
<input type="checkbox"/> Altered Lighting System		
Total Area of Work (ft²)	8,352	11,874

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES WITH EXCEPTIONAL CONDITIONS" refer to Table D, for guidance.

Allowed Lighting Power per §140.6(b) (Watts)	Adjusted Lighting Power per §140.6(a) (Watts)	Compliance Results
01	02	03
Complete Building §140.6(c)1	Area Category §140.6(c)2	Tailored §140.6(c)3 (+)
(See Table I)	(See Table I)	(See Table K)
Conditioned: 5,428.8	Total Allowed (Watts) = 5,428.8	≥ 2,364
Unconditioned: 7,718.1	Total Adjusted (Watts) = 7,718.1	≥ 2,117.2
Table Continued		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
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 Report Page: Page 2 of 7
 Date Prepared: 04/12/2022

Controls Compliance (See Table H for Details) **COMPLIES**
Rated Power Reduction Compliance (See Table Q for Details) **Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ^a	Watts per luminaire ^a	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
F2	LED Troffer	<input type="checkbox"/>	<input type="checkbox"/>	32	Mfr. Spec ^d	63	<input type="checkbox"/>	2,016	<input type="checkbox"/>
F2A	LED Troffer	<input type="checkbox"/>	<input type="checkbox"/>	21	Mfr. Spec ^d	10	<input type="checkbox"/>	210	<input type="checkbox"/>
F3	LED Acrylic Wrap	<input type="checkbox"/>	<input type="checkbox"/>	37	Mfr. Spec ^d	2	<input type="checkbox"/>	74	<input type="checkbox"/>
F4	LED Sconce	<input type="checkbox"/>	<input type="checkbox"/>	32	Mfr. Spec ^d	2	<input type="checkbox"/>	64	<input type="checkbox"/>
Total Designed Watts CONDITIONED SPACES:						2,364			

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ^a	Watts per luminaire ^a	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
F1	LED Strip	<input type="checkbox"/>	<input type="checkbox"/>	55	Mfr. Spec ^d	37	<input type="checkbox"/>	2,035	<input type="checkbox"/>
F1A	LED Strip	<input type="checkbox"/>	<input type="checkbox"/>	27.4	Mfr. Spec ^d	3	<input type="checkbox"/>	82.2	<input type="checkbox"/>
Total Designed Watts UNCONDITIONED SPACES:						2,117.2			

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
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 Date Prepared: 04/12/2022

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ^a	Watts per luminaire ^a	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
Footnote: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.									
Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.									

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01	02	03
Mandatory Demand Response §110.11(c)	Shut-Off Controls §130.1(c)	Field Inspector
Required > 10,000 SF	See Area/Space Level Controls	Pass Fail

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylight Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector
All Suites	Office Building	Manual ON/OFF	Dimmer	Occ. Sensor	Included	Included	<input type="checkbox"/>	Pass Fail

Notes: Controls with a * require a note in the space below explaining how compliance is achieved.
 EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
 EXCEPTION 1 to §130.1(d)2

Plan Sheet Showing Daylit Zones: 13

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

General Notes

LEGEND

NOTES:

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 4 of 7
 Date Prepared: 04/12/2022

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment
Offices, Meeting Rms	Office Building	0.65	8,352	5,428.8	Area Category PAF
TOTAL:				8,352	5,428.8

Unconditioned Spaces

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment
Storage Rooms	Office Building	0.65	11,874	7,718.1	Area Category PAF
TOTAL:				11,874	7,718.1

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 5 of 7
 Date Prepared: 04/12/2022

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCL-LTI-01-E - Must be submitted for all buildings	Pass Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

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 Project Address: 12470 Loma Rica Drive
 Report Page: Page 6 of 7
 Date Prepared: 04/12/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Brady Pryor
 Company: Grass Valley Electric
 Address: 10973 Rough & Ready Highway
 City/State/Zip: Grass Valley, CA 95945

Documentation Author Signature: [Signature]
 Signature Date: 04/12/2022
 CEA/HERS Certification Identification (if applicable):
 Phone: 530-273-7543

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

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- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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Responsible Designer Name: Brady Pryor
 Company: Grass Valley Electric
 Address: 10973 Rough & Ready Highway
 City/State/Zip: Grass Valley, CA 95945

Responsible Designer Signature: [Signature]
 Date Signed: 04/12/2022
 License: SCL# 392506
 Phone: 530-273-7543

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 7 of 7
 Date Prepared: 04/12/2022

NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Pass Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 7 of 7
 Date Prepared: 04/12/2022

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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 04/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Facility
 Project Address: 12470 Loma Rica Drive
 Report Page: Page 7 of 7
 Date Prepared: 04/12/2022

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 License: SCL# 392506
 Phone: 530-273-7543

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> April 2021

General Notes

LEGEND

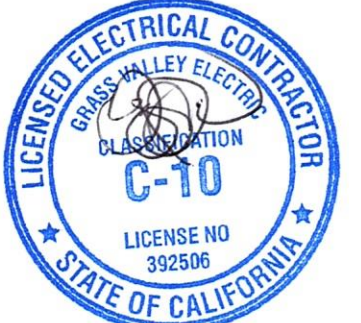
NOTES:

No. Revision/Issue Date

Grass Valley Electric
 G. Brady Pryor
 Phone: (530) 273-7543
 Cell: (530) 913-3584
 Fax: (530) 273-3450
 bradypryor@sbcglobal.net
 Lic. #392506
 10973 Rough & Ready Hwy,
 Grass Valley, California 95945

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA 95945

Project No. Sheet
 Date 4-22-2022 T24 ENERGY REPORTS
 Scale N/A **T-24 - 1**



STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)(2) for outdoor lighting scopes using the prescriptive path.
 Project Name: Nevada County Storage Building Report Page: Page 1 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

A. GENERAL INFORMATION

01 Project Location (city) Grass Valley 04 Total Illuminated Hardscape Area (ft²) 34,300
 02 Climate Zone 11
 03 Outdoor Lighting Zone per Title 24, Part 1 §110.114 or as designated by Authority Having Jurisdiction (AHJ):
 LZ-0: Very Low - Undeveloped Parkland LZ-2: Moderate - Rural Areas LZ-4: High - Must be reviewed by CA Energy Commission for Approval
 LZ-1: Low - Developed Parkland LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.
 My project consists of:
 01 New Lighting System Must Comply with Allowances from §140.7.
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No
 *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)						Compliance Results		
01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(a)(1) (See Table I)	Per Application §140.7(d)(2) (See Table J)	Sales Frontage §140.7(g)(2) (See Table K)	Ornamental §140.7(d)(2) (See Table L)	Per Specific Area §140.7(d)(2) (See Table M)	OR Existing Power §141.0(b)(2) (See Table N)	Total Allowed (Watts)	≥	Total Actual (Watts) (See Table F)
1,227.26	75					1,302.26	≥	440
Cutoff Compliance (See Table G for Details)						COMPLIES		
Controls Compliance (See Table H for Details)						COMPLIES		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Building Report Page: Page 2 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

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

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2) (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How Wattage is determined	Total number luminaires ³	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b) ⁴	Field Inspector
E1	LED Wallpack <input type="checkbox"/> Linear 20 Mfr. Spec ¹	14	New				280	Yes	
E2	LED Wallpack <input type="checkbox"/> Linear 80 Mfr. Spec ¹	2	New				160	Yes	
Total Designed Watts:							440		

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

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Building Report Page: Page 3 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

G. CUTOFF REQUIREMENTS (BUG)

Table Instructions: Complete this table for fixtures of ≥ 6,200 initial luminaire lumens indicated on Table F as needing to comply with Cutoff Requirements. Maximum lumens can be found in Table 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12
Name or Item Tag	Complete Luminaire Description	Backlight Rating ¹	Max Allowable Backlight Rating ²	Backlight Rating Per Design	Lighting Type	Max Allowable Uplight Rating ³	Uplight Rating Per Design	Mounting Height from Property Line ¹	Max Allowable Glare Rating ⁴	Glare Rating Per Design	Field Inspector
E1	LED Wallpack	> 2 MH from property line	No Limit	B1	Area Lighting	U0	U0	> 2 MH from property line	G2	G1	<input type="checkbox"/> <input type="checkbox"/>
E2	LED Wallpack	> 2 MH from property line	No Limit	B2	Area Lighting	U0	U0	> 2 MH from property line	G2	G2	<input type="checkbox"/> <input type="checkbox"/>

*FOOTNOTES: Mounting Height is labeled MH in this table
¹ Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).
² BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. if Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie unswitched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
 When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.

01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector
Parking Lot	Astronomical Timer	Yes	Yes	<input type="checkbox"/> <input type="checkbox"/>

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

General Notes

LEGEND

NOTES:

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Building Report Page: Page 4 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

01	02	03	04	05	06	07	08	09
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector				
Parking Lot	Astronomical Timer	Yes	Yes	<input type="checkbox"/> <input type="checkbox"/>				

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
 EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
 Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Illuminated Area (ft ²)	Area Allowance (W/ft ²)	Area Allowance (Watts)	Perimeter Length (ft)	Linear Allowance (W/ft)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
Parking Lot	Asphalt	34,300	0.023	788.9	1,108	0.17	188.36	977.26
Initial Wattage Allowance for Entire Site (Watts):				250				
Total General Hardscape Allowance (Watts):				1,227.26				

J. LIGHTING ALLOWANCE: PER APPLICATION

Table Instructions: Please complete this table for areas using the wattage allowance per application from Table 140.7-B.

01	02	03	04	05	06	07	08	09	10
Area Description	Application per Table 140.7-B ¹	CALCULATED ALLOWANCE (Watts) # of Locations	Allowance per Location ² (Watts)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire ³	# of Luminaires ⁴	Design Watts	Additional Allowance (Watts)
Entry Doors	Bldg Entrance/ Exit	5	15	75	E1	20	5	100	75
Total Design Watts for this Area:								100	
Total Allowance (Watts) All Areas:								75	

*FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
¹ The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B.
² For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Building Report Page: Page 5 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: Nevada County Storage Building Report Page: Page 6 of 7
 Project Address: 12470 Loma Rica Drive Date Prepared: 04/14/2022

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

No. Revision/Issue Date

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 Fax: (530) 273-3450
 bradypryor@sgcglobal.net
 Lic. #392506
 10973 Rough & Ready Hwy,
 Grass Valley, California 95945

Project Name and Address:
NEVADA COUNTY STORAGE FACILITY
 12470 LOMA RICA DRIVE
 GRASS VALLEY, CA 95945

Project No. Sheet
 Date 4-22-2022 T24 ENERGY REPORTS
 Scale N/A **T-24 - 2**

PLUMBING SYMBOLS / ABBREVIATIONS

- AC ABOVE CEILING
- BG BELOW GRADE
- BS BELOW SLAB
- IW IN WALL
- CWD/R COLD WATER DROP/RISER
- WCO WALL CLEANOUT
- FCO FLOOR CLEANOUT
- GCO GRADE CLEANOUT
- G PROPANE GAS
- HWD/R HOT WATER DROP/RISER
- SOV SHUT OFF VALVE
- VR VENT RISER
- VTR VENT THROUGH ROOF
- WH WATER HEATER
- WD/R WASTE DROP/RISER
- TP TRAP PRIMER

- CW
- HW
- W
- V
- G

PIPE MATERIAL SCHEDULE

DRAINAGE PIPING

MATERIALS FOR DRAINAGE PIPING SHALL BE IN ACCORDANCE WITH ONE OF THE REFERENCED STANDARDS IN 2019 CPC TABLE 701.2.

ABS AND PVC DWV PIPING INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE STANDARDS REFERENCED IN TABLE 701.2 AND THE FIRE STOP PROTECTION REQUIREMENTS IN THE CALIFORNIA BUILDING CODE.

CAST-IRON SOIL PIPE AND FITTINGS AND THE STAINLESS STEEL COUPLINGS USED TO JOIN THESE PRODUCTS SHALL BE LISTED AND TESTED IN ACCORDANCE WITH STANDARDS REFERENCED IN TABLE 701.2.

WATER PIPE, TUBE, AND FITTINGS

PIPE, TUBE, FITTINGS, SOLVENT CEMENT, THREAD SEALANTS, SOLDERS, AND FLUX USED IN POTABLE WATER SYSTEMS INTENDED TO SUPPLY DRINKING WATER SHALL COMPLY WITH NSF 61. WHERE FITTINGS AND VALVES ARE MADE FROM COPPER ALLOYS CONTAINING MORE THAN 15 PERCENT ZINC BY WEIGHT AND ARE USED IN PLASTIC PIPING SYSTEMS, THEY SHALL BE RESISTANT TO DEZINCIFICATION AND STRESS CORROSION CRACKING IN COMPLIANCE WITH NSF 14.

MATERIALS USED IN THE WATER SUPPLY SYSTEM, EXCEPT VALVES AND SIMILAR DEVICES, SHALL BE OF A LIKE MATERIAL, EXCEPT WHERE OTHERWISE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

MATERIALS FOR BUILDING WATER PIPING AND BUILDING SUPPLY PIPING SHALL COMPLY WITH THE APPLICABLE STANDARDS REFERENCED IN TABLE 604.1.

COPPER OR COPPER ALLOY TUBE FOR WATER PIPING SHALL HAVE A WEIGHT OF NOT LESS THAN TYPE L.

PEX TUBING SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM F876-2015A OR AN EQUIVALENT OR MORE STRINGENT STANDARD WHEN USED IN CONTINUOUSLY RECIRCULATING HOT WATER SYSTEMS AND THE PEX TUBING IS EXPOSED TO THE HOT WATER 100% OF THE TIME.

APPROVED PLASTIC MATERIALS SHALL BE PERMITTED TO BE USED IN BUILDING SUPPLY PIPING, PROVIDED THAT WHERE METAL BUILDING SUPPLY PIPING IS USED FOR ELECTRICAL GROUNDING PURPOSES, REPLACEMENT PIPING, THEREFORE, SHALL BE OF LIKE MATERIALS.

PLUMBING NOTES

1. ALL WATER AND WASTE PLUMBING INSTALLATION WORK AND ALL PLUMBING MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA PLUMBING CODE.
2. IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO ASSURE ALL SYSTEMS FUNCTION PROPERLY, SAFELY, AND MEET ALL LOCAL, STATE AND REGIONAL CODES.
3. ALL WORK IS TO CONFORM TO THE ACCEPTED STANDARDS OF THE TRADE. THE GENERAL CONTRACTOR IS TO BE NOTIFIED IF ANY SUBSTITUTIONS ARE SEEN TO BE NECESSARY.
4. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES.
5. PLUMBING FIXTURES NOT SPECIFIED ON PLANS SHALL BE SELECTED BY INSTALLING SUBCONTRACTOR AND SUBMITTED TO OWNER'S REPRESENTATIVE FOR APPROVAL. FIXTURES SHALL MEET CURRENT CPC AND CAL-GREEN CODES. MAXIMUM FLOW RATES SHALL BE AS FOLLOWS:

SINKS	1.5 GPM
LAVATORIES	0.25 GPM
WATER CLOSETS	1.28 GPF
6. FURNISH AND INSTALL ALL MATERIALS AND PERFORM ALL LABOR NECESSARY FOR A COMPLETE INSTALLATION OF PLUMBING WORK INDICATED ON THE DRAWINGS. PROVIDE ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED, WHICH CAN REASONABLY BE INFERRED OR TAKEN AS BELONGING TO THE WORK AND NECESSARY TO PROVIDE THE COMPLETE SYSTEM.
7. PROVIDE ALL NECESSARY PLUMBING CONNECTIONS TO EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OR SECTION OR BY OWNERS. PROVIDE SHUTOFF VALVES OR STOPS AT EACH CONNECTION. AT GAS CONNECTIONS, PROVIDE GAS COCK, DIRT LEG, UNION AND FLEX CONN. PROVIDE DRAIN PAN AND TEMPERATURE / PRESSURE RELIEF VALVES AT WATER HEATERS.
8. PIPING IS TO BE FIELD LOCATED IN SUCH A WAY AS TO AVOID OBSTACLES, MEET CALIFORNIA PLUMBING CODE (CPC) REQUIREMENTS AND ALLOW SERVICE CLEARANCE TO AREAS AND EQUIPMENT THAT MAY REQUIRE SERVICING.
9. ALL HORIZONTAL WASTE / VENT PIPES SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS NOTED OTHERWISE.
10. HORIZONTAL VENT PIPE SHALL BE SO GRADED AND CONNECTED AS TO DRIP BACK BY GRAVITY TO THE DRAIN PIPE IT SERVES PER 2019 CPC.
11. INSULATE ALL POTABLE HOT WATER SUPPLY PIPING WITH 1/2" WALL THICKNESS INSUL-TUBE® OR EQUAL. CONDUCTIVITY=0.29 (BTU-IN/HR-°F) AT 75°F IN NON CONDITIONED SPACE, IN ACCORDANCE WITH ASTM C177 OR C518.
12. FOR EXACT LOCATION OF PLUMBING FIXTURES AND MOUNTING HEIGHTS, SEE ARCHITECTURAL ELEVATIONS.
13. PRESSURE RELIEF VALVE SHALL DRAIN IN ACCORDANCE WITH 2019 CPC.
14. WHERE WATER AND SEWER ARE RUN IN A COMMON TRENCH, TRENCHING SHALL MEET THE REQUIREMENTS SET FORTH IN THE 2019 CALIFORNIA PLUMBING CODE.
15. VERIFY EASY SHUT-OFF CAPABILITY FOR WATER HEATERS.
16. PROVIDE WATER HEATER SUPPORT AND SEISMIC BRACING PER 2019 CPC. PROVIDE VANDAL PROOF WATER HEATER CONNECTION TO BUILDING AS SPECIFIED.
17. PIPING SHALL BE SUPPORTED AND BRACED IN ACCORDANCE WITH CHAPTER 3 OF THE 2019 CPC WITH SUPERSTRUT HANGERS, OR EQUAL. PROVIDE ISOLATORS AT ALL HANGERS WHERE PIPING IS NOT INSULATED.
18. PROVIDE BACKFLOW PREVENTION FOR WATER SUPPLY TO BUILDING AS REQUIRED BY ADMINISTRATIVE AUTHORITY.
19. TRAP PRIMERS SHALL BE PROVIDED FOR ALL FLOOR DRAINS.
20. FOR IN TRENCH DETAILS, SEE CIVIL DRAWINGS.
21. CLEANOUTS IN FIRE RATED WALLS SHALL HAVE BOTH METAL BODY AND COVER CONSISTENT WITH PIPE MATERIAL SCHEDULE.
22. FOR PIPING MATERIALS OUTSIDE OF BUILDING, REFER TO CIVIL ENGINEERING SPECIFICATIONS.
23. SLOPE ALL CONDENSATE AT 1/4" PER FT. CONDENSATE PIPING SHALL BE SCH. 40 PVC. INSULATE CONDENSATE PIPING WITH 1/2" WALL THICKNESS PIPE INSULATION WHERE PIPING RUNS ABOVE CONDITIONED SPACE.
24. SLEEVES: INSTALL AMI SLEEVES OF SUFFICIENT SIZE TO ALLOW FOR FREE MOTION OF PIPE, 24 GAGE GALVANIZED STEEL. THE SPACE BETWEEN PIPE AND SLEEVES SHALL BE CAULKED AND MADE WATERTIGHT. PIPES PENETRATING WALLS BELOW GRADE SHALL BE ANCHORED AT THE WALL. PIPES THROUGH SLABS ON GRADE SHALL BE WRAPPED WITH 1" THICK FIBERGLASS INSULATION TO COMPLETELY ISOLATE THE PIPE FROM THE CONCRETE. PIPES PENETRATING FIRE RATED WALLS SHALL BE CAULKED AS SHOWN ON DETAILS. PROVIDE 1" WIDE CHROME OR NICKEL PLATED ESCUTCHEONS ON ALL PIPES EXPOSED TO VIEW WHERE PASSING THROUGH WALLS, FLOORS, PARTITIONS, CEILINGS, AND SIMILAR LOCATIONS. SIZE THE ESCUTCHEONS TO FIT PIPE AND COVERING.
25. FLOOR, WALL, AND CEILING PLATES: FIT ALL PIPES WITH OR WITHOUT INSULATION PASSING THROUGH WALLS, FLOORS, OR CEILINGS, AND ALL HANGER RODS PENETRATING FINISHED CEILINGS WITH CHROME-PLATED OR STAINLESS STEEL PLATES. OPENINGS THROUGH AIR PLENUMS SHALL BE SEALED AIRTIGHT.
26. PROVIDE HILTI FS-ONE FIRESTOP SEALANT AROUND PIPE PENETRATIONS THROUGH 1 OR 2 HOUR RATED WALL OR FLOOR ASSEMBLIES. APPLY ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
27. PLUMBING VENTS SHALL BE AT LEAST 10' FROM OR 3' ABOVE ANY DOOR, OPENABLE WINDOW, MECHANICAL AIR INTAKE, OR OTHER INLETS INTO THE BUILDING PER 2019 CPC.

28. DISINFECTION OF WATER SYSTEM
 - (A) PRIOR TO FINAL INSPECTION, CLEAN AND DISINFECT DOMESTIC HOT AND COLD WATER SYSTEMS. PERFORM ALL WORK PER AWWA STANDARD PROCEDURES FOR DISINFECTING WATER MAINS AND AS REQUIRED BY LOCAL BUILDING AND HEALTH DEPARTMENT CODES.
 - (B) WITH ALL FIXTURES CONNECTED AND OPERABLE AND READY FOR USE AND WHEN, BY TEST, SYSTEM IS PROVED TO BE FREE FROM LEAKS, THOROUGHLY FLUSH BY FULLY OPENING EVERY OUTLET AND OPERATING EVERY FIXTURE UNTIL CLEAR WATER FLOWS FROM ALL OUTLETS AND FIXTURES.
 - (C) FILL SYSTEM COMPLETELY FULL OF WATER AND INJECT DISINFECTANT SLOWLY AND CONTINUOUSLY AT AN EVEN RATE (NOT IN SLUGS) UNTIL AN ORTHOTOLIDIN TEST AT EACH OUTLET SHOWS A CHLORINE RESIDUAL CONCENTRATION OF AT LEAST 50 PARTS PER MILLION (PPM).
 - (D) MAINTAIN CONDITION FOR 24 HOURS WITH CHLORINE RESIDUAL OF 50 PPM RETAINED IN SYSTEM FOR THIS 24 HOUR PERIOD. IF, AFTER 24 HOURS, ORTHOTOLIDIN TESTS INDICATE THAT CHLORINE RESIDUAL CONCENTRATION HAS DECREASED BELOW 50 PPM, THEN DISINFECTION PROCEDURE MUST BE REPEATED UNTIL AN APPROVED RESULT IS OBTAINED.
 - (E) WHEN THE ABOVE PROCEDURE HAS BEEN COMPLETED, FLUSH OUT ENTIRE SYSTEM WITH FRESH WATER UNTIL AN ORTHOTOLIDIN TEST AT ANY OUTLET SHOWS A RESIDUAL OF NOT MORE THAN 0.02 PPM.
 - (F) POST WARNING SIGNS AT ALL OUTLETS AND IN CONSPICUOUS AREAS WHILE DISINFECTING THE SYSTEM.
29. TESTING OF PIPING
- (A) ALL PIPING SHALL TESTED AT COMPLETION OF ROUGH-IN, OR AT OTHER TIMES AS DIRECTED BY ARCHITECT. TEST IN ACCORDANCE WITH THE FOLLOWING SCHEDULE TO SHOW NO LOSS IN PRESSURE OR VISIBLE LEAKS AFTER A MINIMUM DURATION OF FOUR (4) HOURS AT THE TEST PRESSURE INDICATED.
 - (B) ISOLATE FROM THE SYSTEM ALL EQUIPMENT WHICH MAY BE DAMAGED BY TEST PRESSURE. TEST SCHEDULE AS FOLLOWS:

SYSTEM TESTED	TEST PRESSURE PSIG	TEST WITHIN
ALL SOIL, WASTE, DRAIN AND VENT PIPING WITHIN BUILDINGS.	FILL WITH WATER TO TOP OF HIGHEST JOINT IN SYSTEM; ALLOW TO STAND 2 HOURS OR LONGER AS DIRECTED BY INSPECTOR.	WATER
- ALL HOT TEMPERED AND COLD PIPING. 150 PSIG WATER

PLUMBING FIXTURE SCHEDULE			
TAG	DESCRIPTION	MANUFACTURER/MODEL #	REMARKS
WC-1	ADA COMPLIANT WATER CLOSET	KOHLER K-3713	WHITE VITREOUS CHINA, ELONGATED BOWL 17" HIGH, ADA COMPLIANT, 1.28 GPF TOILET
WC-2	WATER CLOSET	KOHLER K-3575	WHITE VITREOUS CHINA, ELONGATED BOWL 14 1/2" HIGH, 1.28 GPF TOILET
L-1	ADA COMPLIANT WALL HUNG LAVATORY	KOHLER K-2028-1	WHITE, VITREOUS CHINA, 6-1/4" DEPTH, ADA COMPLIANT LAVATORY K-15583-4RA CENTERSET FAUCET
DF-1	HI-LO DRINKING FOUNTAIN	ELKAY LZSTL8W5LK	HI-LO DRINKING FOUNTAIN
S-1	ADA COMPLIANT KITCHEN SINK	DAYTON K233224DF	STAINLESS STEEL DOUBLE BOWL SINK AND FAUCET KNIT, COUNTER MOUNT
S-2	STAINLESS STEEL DEEP SINK	ELKAY DCR252212	STAINLESS STEEL SINGLE BOWL COUNTER MOUNT
MS	MOP SINK	FLORESTONE MSR 2424	TERAZZO MOP SINK WITH ACCESSORIE PACKAGE
EMS	EMERGENCY EYEWASH/SHOWER	HAWS 8300-8309	COMBINATION SHOWER AND EYE/FACE WASH
WH-1	ELECTRIC 30 GAL WATER HEATER	GENERAL ELECTRIC GE30S10BMM01	30 GAL ELECTRIC WATER HEATER, UEF=0.92 240V/1PH, 5500 W, 30A, 49-7" H x , 121 LB
WH-2	INSTANTANEOUS ELECT WATER HEATER	EeMax LavAdvantage SPEX1812	Min Flow 0.2 GPM 120V, 1.8 KW, 15A

NOTE: WATER HEATERS MUST MEET CALIFORNIA ENERGY COMMISSION TITLE 20

NEVADA COUNTY STORAGE FACILITY

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GRASS VALLEY, CA

Deer Creek studio

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SIERRA FOOTHILLS Construction Company

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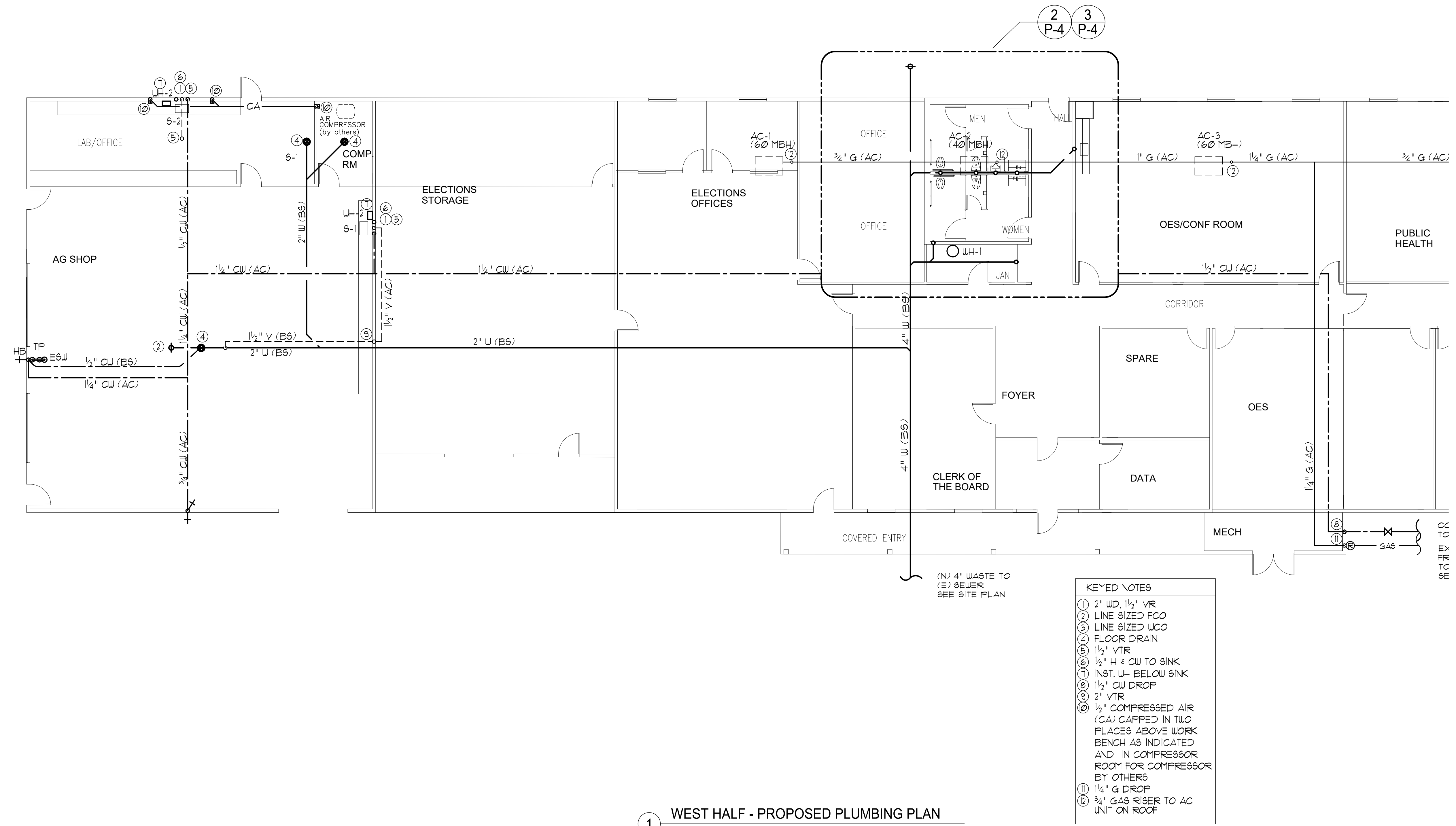
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PLUMBING NOTES, SCHEDULES
LEGEND

P1.0





1 WEST HALF - PROPOSED PLUMBING PLAN
SCALE: 1/8"=1'-0"

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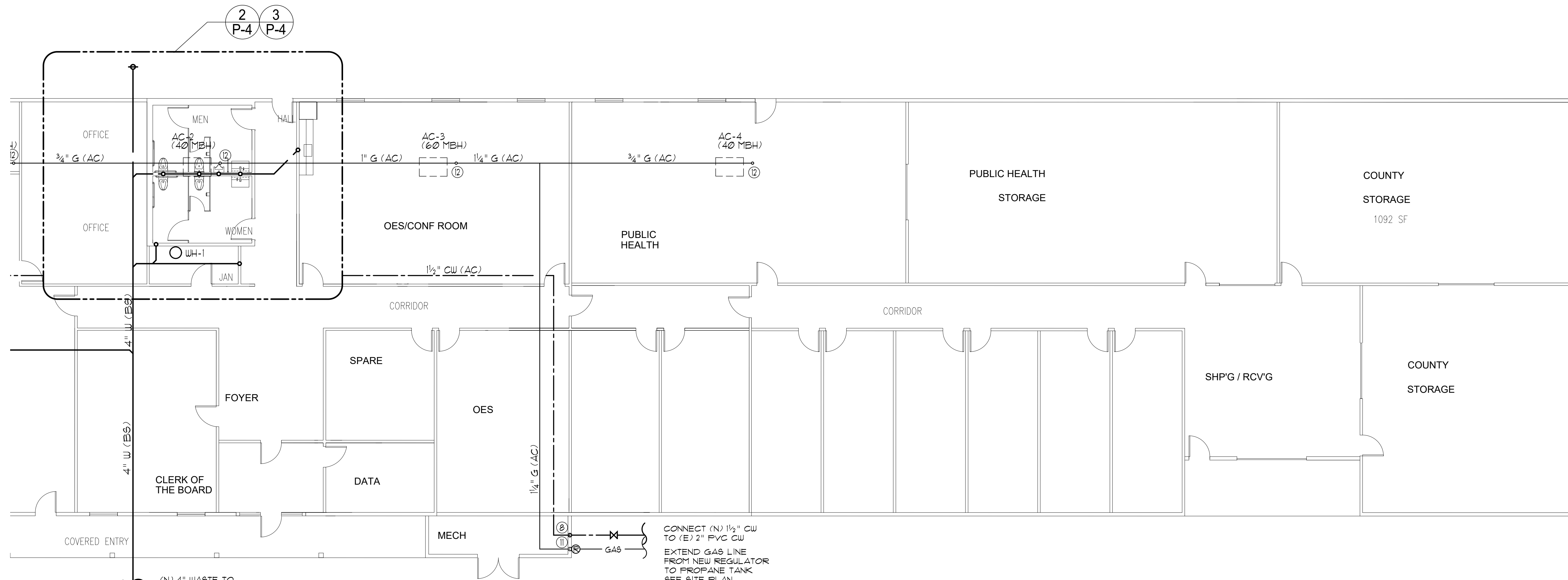
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PROPOSED
PLUMBING PLAN

P2.0



(N) 4" WASTE TO
(E) SEWER
SEE SITE PLAN

- KEYED NOTES**
- ① 2" WD, 1/2" VTR
 - ② LINE SIZED FCO
 - ③ LINE SIZED WCO
 - ④ FLOOR DRAIN
 - ⑤ 1/2" VTR
 - ⑥ 1/2" H 4 CW TO SINK
 - ⑦ INST. WH BELOW SINK
 - ⑧ 1/2" CW DROP
 - ⑨ 2" VTR
 - ⑩ 1/2" COMPRESSED AIR (CA) CAPPED IN TWO PLACES ABOVE WORK BENCH AS INDICATED AND IN COMPRESSOR ROOM FOR COMPRESSOR BY OTHERS
 - ⑪ 1/4" G DROP
 - ⑫ 3/4" GAS RISER TO AC UNIT ON ROOF

CONNECT (N) 1/2" CW TO (E) 2" PVC CW
EXTEND GAS LINE FROM NEW REGULATOR TO PROPANE TANK
SEE SITE PLAN

1 EAST HALF - PROPOSED PLUMBING PLAN
SCALE: 1/8"=1'-0"

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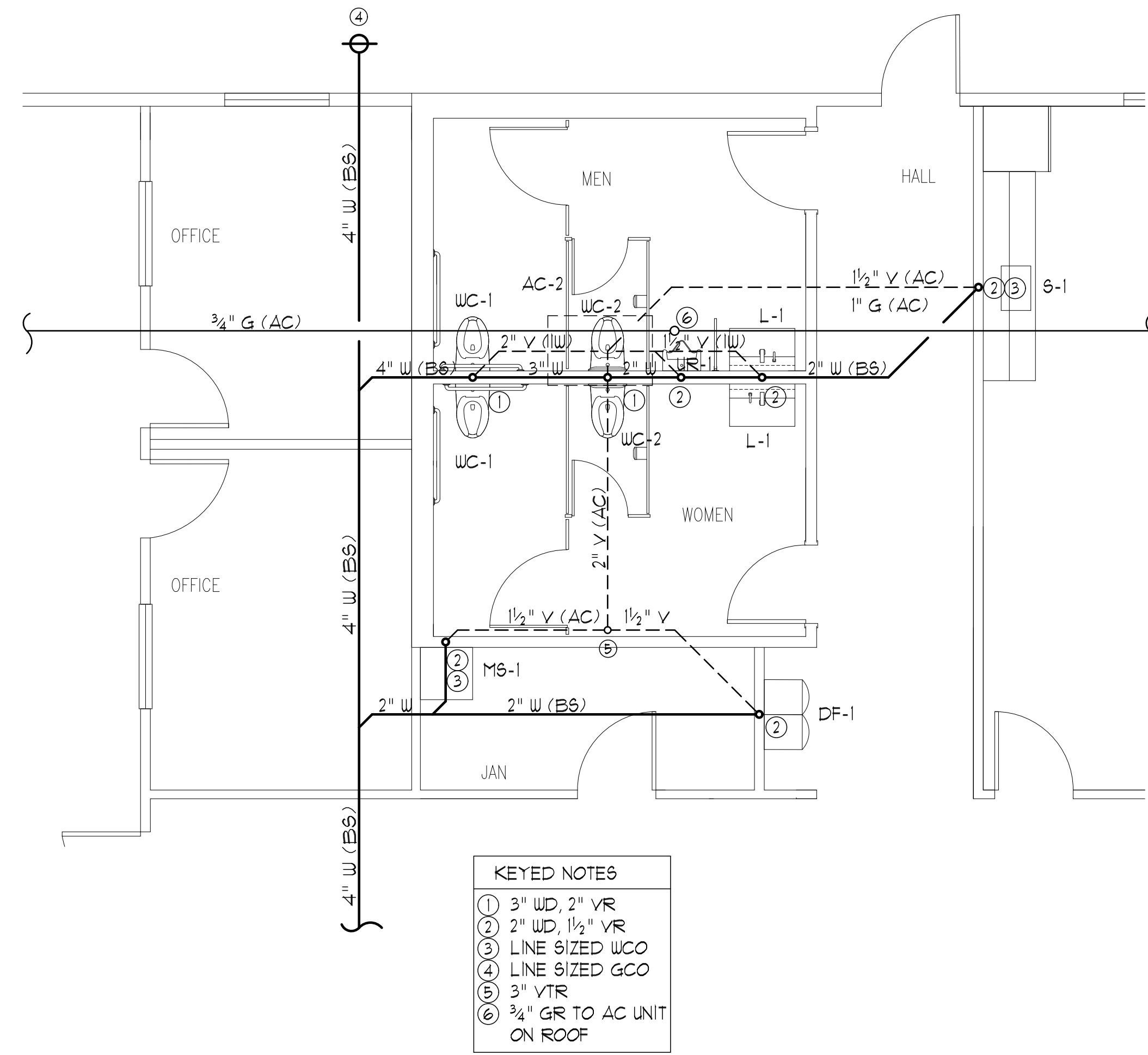
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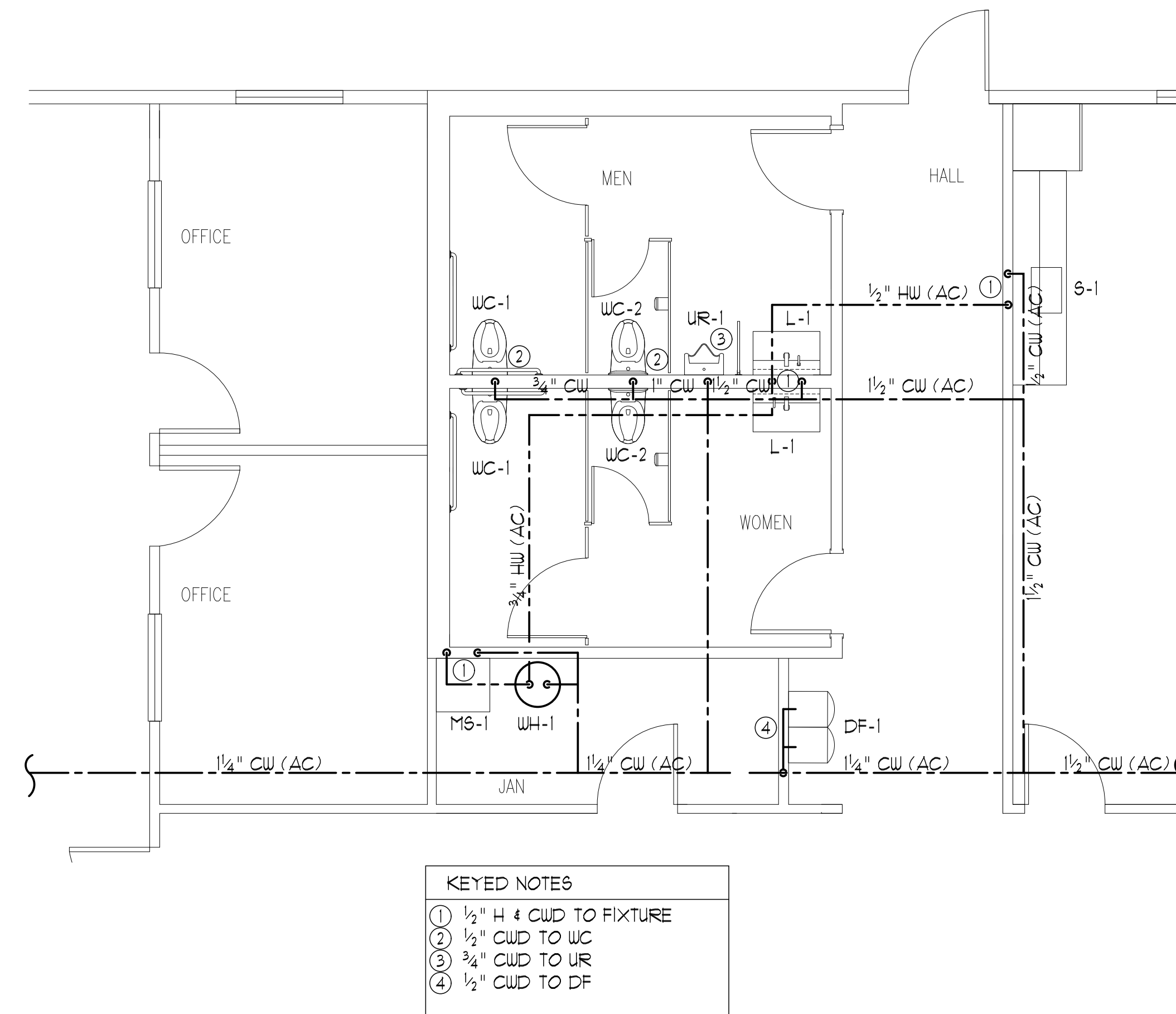
SCALE: AS NOTED

PROPOSED
PLUMBING PLAN

P3.0



2 PROPOSED WASTE & VENT PLAN
SCALE: 1/4"=1'-0"



3 PROPOSED WATER PLAN
SCALE: 1/4"=1'-0"

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SCALE: AS NOTED

PROPOSED
PLUMBING PLAN

P4.0

HVAC ROOFTOP EQUIPMENT SCHEDULE											
SYMBOL	COOLING			HEATING	FAN			ELECT.	MFR. & MODEL NO.	O.A. CFM	REMARKS
	CAPACITY (BTUH)				DB (F)	CFM	SP. (W/C)				
	TOTAL	SENSIBLE	COIL EDB/EUB/F	CAPACITY (BTUH) INPUT/OUTPUT							
AC 1	33,600	25,630	80/166	60,000 / 49,000	19	1250	80	208/230V 1φ, 60HZ 40 A	CARRIER 48VLC036060	-	ROOF MOUNTED PACKAGE GAS / ELECTRIC UNIT 14 SEER, 11.5 EER AFUE + 8%, MCA=21.8, RLA=16.7, LRA=7.9 DIM: 41" W x 43" D x 59 1/4" H, WEIGHT: 349*
AC 2	27,460	21,710	77/65	40,000 / 33,000	19	1000	80	208/230V 1φ, 60HZ 30 A	CARRIER 48VLC030040	-	ROOF MOUNTED PACKAGE GAS / ELECTRIC UNIT 14 SEER, 11.5 EER AFUE + 8%, MCA=21.8, RLA=16.7, LRA=7.9 DIM: 41" W x 43" D x 45 1/4" H, WEIGHT: 349*
AC 3	33,600	25,630	80/166	60,000 / 49,000	19	1250	80	208/230V 1φ, 60HZ 40 A	CARRIER 48VLC036060	-	ROOF MOUNTED PACKAGE GAS / ELECTRIC UNIT 14 SEER, 11.5 EER AFUE + 8%, MCA=21.8, RLA=16.7, LRA=7.9 DIM: 41" W x 43" D x 59 1/4" H, WEIGHT: 349*
AC 4	19,800	15,010	79/66	40,000 / 33,000	19	700	80	208/230V 1φ, 60HZ 20 A	CARRIER 48VLC024040	-	ROOF MOUNTED PACKAGE GAS / ELECTRIC UNIT 14 SEER, 11.5 EER AFUE + 8%, MCA=15.4, RLA=8.7, LRA=4.6 DIM: 41" W x 43" D x 43 3/4" H, WEIGHT: 304*

DUCTLESS SPLIT EQUIPMENT SCHEDULE											
SYMBOL	COOLING			HEATING	FAN			ELECT.	MFR. & MODEL NO.	O.A. CFM	REMARKS
	CAPACITY (BTUH)				DB (F)	CFM	SP. (W/C)				
	TOTAL	SENSIBLE	COIL EDB/EUB/F	CAPACITY							
HP 1A	-	-	-	-	19	176-382	-	208/230V 1φ, 60HZ	CARRIER 40MAHEQ12XA3	-	INDOOR DUCTLESS SPLIT HIGH WALL UNIT 20 SEER, 12.4 EER, 24.6 W, MCA + 0.31, FAN FLA+0.25 DIM: 31.3" W x 11.6" H x 8.86" D, WEIGHT: 22.71*
HP 1B	12,000	12,000	80/162	12,000	-	-	-	208/230V 1φ, 60HZ 15A	CARRIER 38MAR12R-3	-	OUTDOOR DUCTLESS SPLIT UNIT, 102 HSPF 54 W, 19A, MCA +9, COMP, RLA + 5.65, DIM: 32.09" W, 13.11" D, 21.81" H, WEIGHT: 83*
HP 2A	-	-	-	-	19	176-382	-	208/230V 1φ, 60HZ	CARRIER 40MAHEQ12XA3	-	INDOOR DUCTLESS SPLIT HIGH WALL UNIT 20 SEER, 12.4 EER, 24.6 W, MCA + 0.31, FAN FLA+0.25 DIM: 31.3" W x 11.6" H x 8.86" D, WEIGHT: 22.71*
HP 2B	12,000	12,000	80/162	12,000	-	-	-	208/230V 1φ, 60HZ 15A	CARRIER 38MAR12R-3	-	OUTDOOR DUCTLESS SPLIT UNIT, 102 HSPF 54 W, 19A, MCA +9, COMP, RLA + 5.65, DIM: 32.09" W, 13.11" D, 21.81" H, WEIGHT: 83*

EXHAUST FAN SCHEDULE						
SYMBOL	DESCRIPTION	CFM	SP	MFR. & MODEL NO.	ELECT.	REMARKS
EF 1	DIRECT DRIVE CEILING CABINET FAN	170	.18	PANASONIC WHISPER CEILING FV-20VQ3	0.35 A, 44 W 784 RPM, 120V, 1φ	INSTALL BACKDRAFT DAMPERS 6" DUCT
EF 2	DIRECT DRIVE CEILING CABINET FAN	80	.10	PANASONIC WHISPER CEILING FV-0511VQ1	0.11 A, 5.9 W, 1172 RPM, 120V, 1φ	INSTALL BACKDRAFT DAMPERS 4 or 6" DUCT
EF 3	DIRECT DRIVE CEILING CABINET FAN	120	.18	PANASONIC WHISPER CEILING FV-115VQ1	2.0 A, 12.3 W 795 RPM, 120V, 1φ	INSTALL BACKDRAFT DAMPERS 6" DUCT

NOTES

1. INSTALL/MOUNT EXHAUST FAN ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. EXHAUST FANS, EF-1 & EF-2 SHALL BE WIRED TO WALL SWITCH.
3. EXHAUST FAN, EF-3 SHALL BE CONTROLLED BY ROOM THERMOSTAT (T₆).

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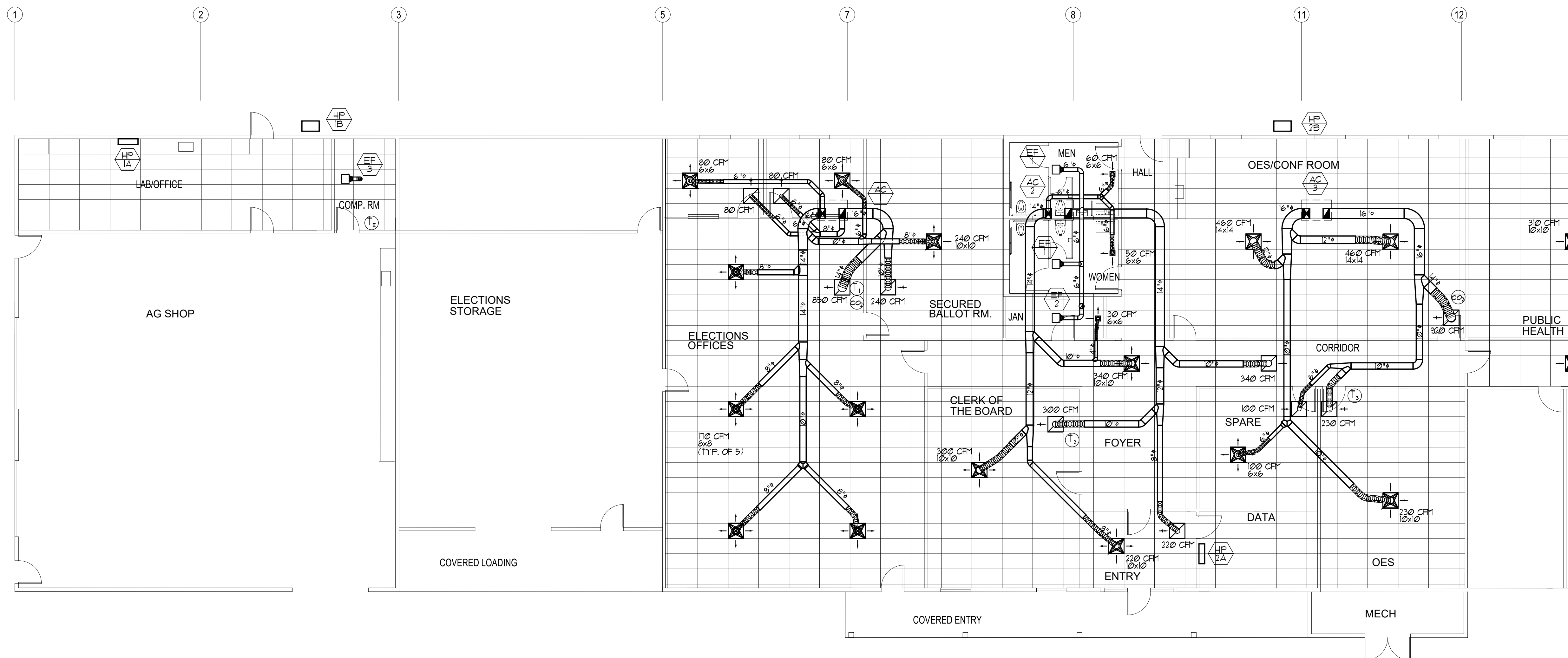
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MECHANICAL NOTES, SCHEDULES
 LEGEND

M1.0
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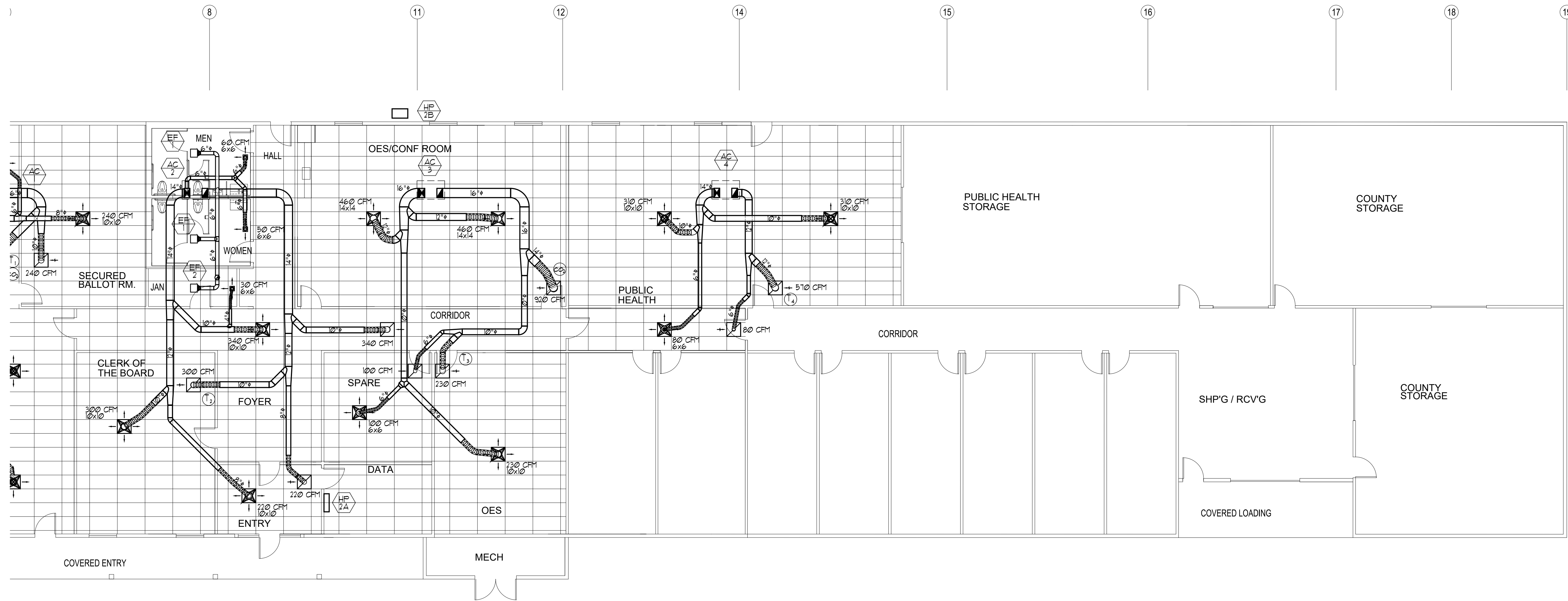
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PROPOSED
MECHANICAL PLAN

M2.0



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PROPOSED
MECHANICAL PLAN

M3.0

JOHN BARLEYCORN INVESTORS, LLC

Building Specifications

Nevada County Office/Storage Facility
12740 Loma Rica Dr., Grass Valley, CA
August 8, 2022

- Foundation to be 3,000 psi concrete. Pier and perimeter footings to be engineered design by building manufacturer. Slab to be 4” concrete with #3 rebar at 18” EW, over 4” base rock over 6 mil vapor barrier.
- Steel building to be:
 - 60' X 335' X 12' "CBC" steel building with gable roof at 4:12 pitch. Building designed with (15) bays clear span
 - bays, standard cable or rod bracing on both side walls, 95 - C wind load, 6 lb. collateral roof load, 60 lb. ground
 - and 37.8 lb. roof snow loads. Front wall of building has (2) 8’ deep recessed loading dock areas with soffit and
 - (1) 6’ X 81’ projection canopy with soffit. Included in the canopy is a 6’ X 21’ mechanical roof that will be fully
 - enclosed. 26 gauge colored “Kynar” R-panel roofing, wall sheeting and trim. 26 gauge colored snow rated
 - gutters and downspouts included.
 - 6” MBI roof and 4” MBI wall insulation
 - (8) 3' X 7' steel man doors with narrow lite glass, heavy duty panic hardware and closer
 - (1) 6' X 7' steel man door with panic hardware and closer
 - (4) 10' X 10' insulated roll up doors with chain drive operators
 - (1) 12' X 12' insulated roll up door with chain driver operator
 - (1) 9' X 7' framed openings for store front door (store front door by others)
 - (9) 4' X 4' framed openings for windows (windows by others)
 - - Engineered steel building drawings, tax, freight labor and equipment included.

JOHN BARLEYCORN INVESTORS, LLC

- Windows and storefront to be bronze aluminum frame fixed windows.
- Plumbing to be ABS waste lines, PEX water lines. Fixtures to be white and chrome, Kohler or equal. Gas line to be steel piping.
- Electrical system to be 800 amp service to the building with distribution per plans as requested. Lighting to be standard recess office lighting. Storage lighting to be suspended system.
- HVAC system to be roof mounted Carrier package units for conditioned office spaces only.
- Fire sprinkler system to be standard wet system. Storage areas to have no accommodations for flammables or high stack storage.
- Insulation to be 6” fiberglass batts at roof, 4” batts at walls. Additional R-19 batts at furred out exterior walls. Sound insulation at bathrooms.
- Interior paint to be two coats Benjamin Moore on all walls.
- Ceiling system to be suspended with acoustic 2’x4’ panels at offices. No ceiling at storage areas.
- Floor coverings to be:
 - Commercial vinyl plank at entry.
 - Sheet vinyl at bathrooms, breakroom and janitor closet.
 - Commercial carpet with rubber topset base at offices.
 - Total floor coverings to be 7, 668 SF
 - No floor coverings on storage shop or miscellaneous spaces.