









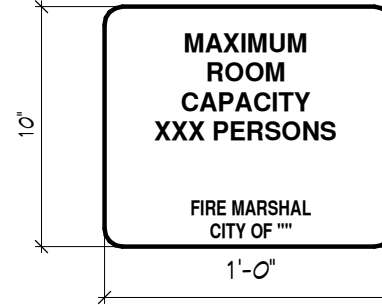
### OCCUPANCY EXIT REQUIREMENTS

83 TOTAL OCCUPANTS  
MIN # OF EXITS (2019 CBC TABLE 1006.2.1)  
53' x 02' x 106"  
EXITS REQUIRED: 2  
EXITS PROVIDED: 2

### OCCUPANCY LOAD

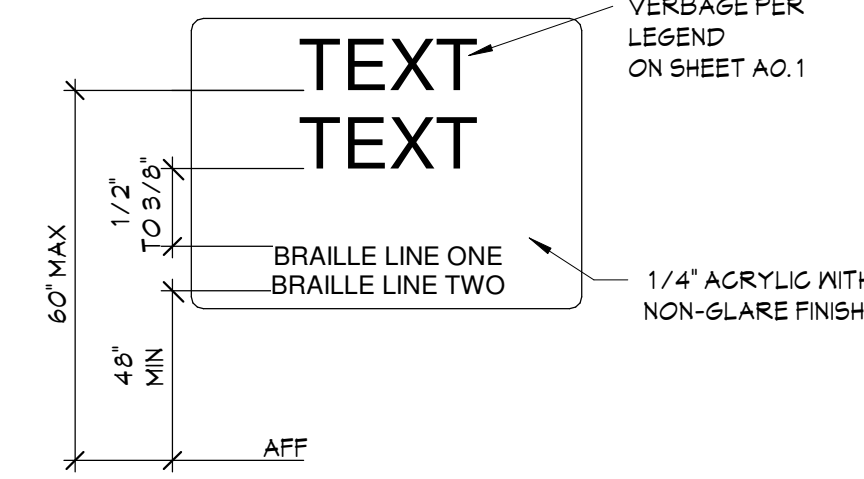
ROOM NUMBER	ROOM NAME	LOAD FACTOR	AREA	OCCUPANT LOAD
1	(E) GARAGE	0	513 SF	0.0
2	(E) LAUNDRY	100	181 SF	1.8
3	(E) STORAGE	300	22 SF	0.1
4	(E) KITCHEN	200	874 SF	4.4
5	(E) STORAGE	300	71 SF	0.3
6	(E) TOILET	0	44 SF	0.0
7	(E) OFFICE	150	71 SF	0.5
8	(E) EXAM	120	143 SF	1.2
9	(E) SHOWER	0	34 SF	0.0
10	(E) RM	0	50 SF	0.0
11	(E) SHOWER	0	38 SF	0.0
12	(E) HOLDING	120	128 SF	1.1
13	(E) HALLWAY	0	377 SF	0.0
14	(E) STORAGE	300	38 SF	0.1
15	(E) STORAGE	300	24 SF	0.1
16	(E) CELL	120	107 SF	0.9
17	(E) CELL	120	107 SF	0.9
18	(E) CELL	120	80 SF	0.7
19	(E) CELL	120	77 SF	0.6
20	(E) CELL	120	82 SF	0.7
21	(E) CELL	120	84 SF	0.7
22	(E) CELL	120	101 SF	0.8
23	(E) STORAGE	300	5 SF	0.0
24	(E) CELL	120	101 SF	0.8
25	(E) STORAGE	300	6 SF	0.0
26	(E) CELL	120	122 SF	1.0
27	(E) STORAGE	300	101 SF	0.3
28	(E) STORAGE	300	5 SF	0.0
29	(E) CELL	120	101 SF	0.8
30	(E) OPEN OFFICE	150	1446 SF	13.0
31	(E) OPEN OFFICE	150	748 SF	5.0
32	(E) OFFICE	150	103 SF	0.7
33	(E) CELL	120	101 SF	0.8
34	(E) CELL	120	101 SF	0.8
35	(E) STORAGE	300	5 SF	0.0
36	(E) JANITOR	300	11 SF	0.0
37	(E) STORAGE	0	52 SF	0.0
101	LOBBY	15	181 SF	12.1
102	RR	0	63 SF	0.0
103	RR	0	63 SF	0.0
104	OPEN OFFICE	150	262 SF	1.7
105	VESTIBULE	0	84 SF	0.0

### MAX OCCUPANCY SIGNAGE



- VISUAL CHARACTERS AND SYMBOLS SHALL COMPLY WITH 2019 CBC 11B-103.5.
  - SIGNAGE TO BE ACRYLIC WITH A NON-GLARE FINISH
  - LETTERING TO BE UPPERCASE SERIF OR SANS SERIF FONT CHARACTERS. HEIGHT OF LETTERING 5/8" MIN. TO 2" MAX. IF BELOW 80" AFF. AND 3" MIN. IF OVER 80" AFF. PER 11B-103.2.
  - SEE EGRESS PLAN AND OCCUPANCY LOAD FOR OCCUPANCY NUMBER TO REPLACE XXX IN THE EXAMPLE SHOWN ABOVE FOR EACH REQUIRED ROOM.
  - WHEN ROOM HAS MULTIPLE CONFIGURATIONS DUE TO OPERATIONAL OR MOVABLE PARTITIONS, PROVIDE MAX OCCUPANCY FOR EACH CONFIGURATION. PROVIDE AS MANY SIGNS AS REQUIRED SUCH THAT EACH CONFIGURATION HAS AT LEAST ONE SIGN.
- \*\*\*ALL ACCESSIBLE MEASURES SHALL BE COMPLIANT WITH 2019 CALIFORNIA BUILDING CODE CHAPTER 11B-103

### EXIT SIGNAGE



- 1. FINISH & CONTRAST:** CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND MIN. 70% PER ADA2010 305.
- 2. CHARACTER TYPE:** CHARACTERS ON SIGN SHALL BE RAISED 1/32" MIN AND SHALL BE SAN SERIF UPPERCASE CHARACTERS.
- 3. CHARACTER SIZE:** CHARACTERS SHALL BE A MIN. OF 5/8" TO 2" MAX. HIGH.
- 4. CHARACTER PLACEMENT:** CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED DIRECTLY BELOW THE TACTILE CHARACTERS. FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTI-LINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.
- 5. BRAILLE:** CONTRACTED (GRADE 2) BRAILLE SHALL BE USED. DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. BRAILLE SHALL MATCH THE RAISED TEXT.

### SIGNAGE LEGEND

SYM	DESCRIPTION
A	TACTILE EXIT: "EXIT"
B	TACTILE EXIT: "EXIT ROUTE"
C	ISA ENTRANCE SIGNAGE
D	MAXIMUM OCCUPANCY ROOM SIGNAGE

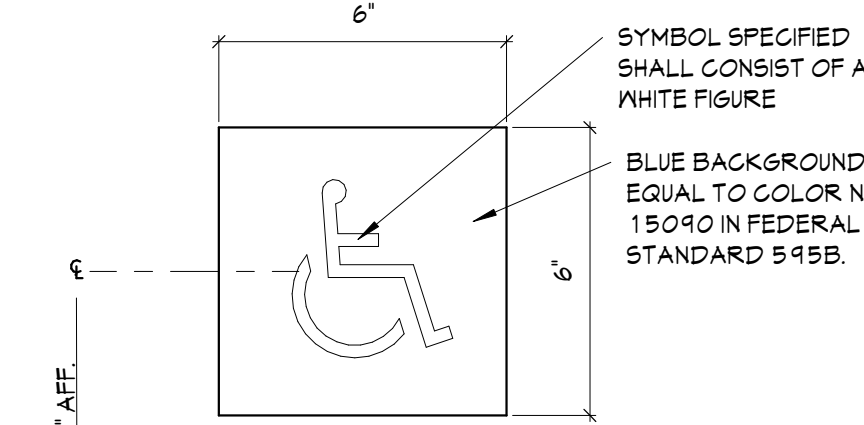
- NOTES:**
- PROVIDE NEW SIGNAGE AS REQ'D PER CBC 2019. IF EXISTING SIGNAGE DOES NOT COMPLY WITH THESE DOCUMENTS REPLACE WITH NEW.
  - PROVIDE NEW SIGNAGE AT EXISTING DOORS IF SIGNAGE IS MISSING.
  - SEE DETAILS FOR SIGN PLACEMENT AND REQUIREMENTS.

### EXITING LEGEND

	ILLUMINATED EXIT SIGN W/ EMERGENCY BATTERY BACK-UP - PER CBC SECTION 1013, TYP.
	WALL / COLUMN MOUNTED FIRE EXTINGUISHER
	SEMI-RECESSED MOUNTED FIRE EXTINGUISHER

- NOTES:**
- FIRE EXTINGUISHERS TO COMPLY W/ TITLE 19.
  - FIRE EXTINGUISHERS SHALL HAVE A SERVICE TAG AFFIXED TO THEM WHICH PROVIDES PROOF THEY HAVE BEEN INSPECTED AND SERVICED BY A LICENSED FIRE EXTINGUISHER INSPECTOR.
  - ALL LOCATIONS ARE SUBJECT TO CHANGE AT FIRE INSPECTOR'S DISCRETION.

### ISA SIGNAGE



- INSTALL SIGNS AT ACCESSIBLE ENTRANCES.
- SIGNAGE SHALL MEET REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND CALIFORNIA BUILDING CODE. INSTALL SIGNS AT ACCESSIBLE ENTRANCES.
- WHERE REQUIRED - PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM WITH CORRESPONDING GRADE 2 BRAILLE.
- THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MIN. HEIGHT.
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
- LETTERING TO BE UPPERCASE CHARACTERS. HEIGHT OF LETTERING 5/8" MIN. TO 2" MAX. TO BE RAISED 1/32".

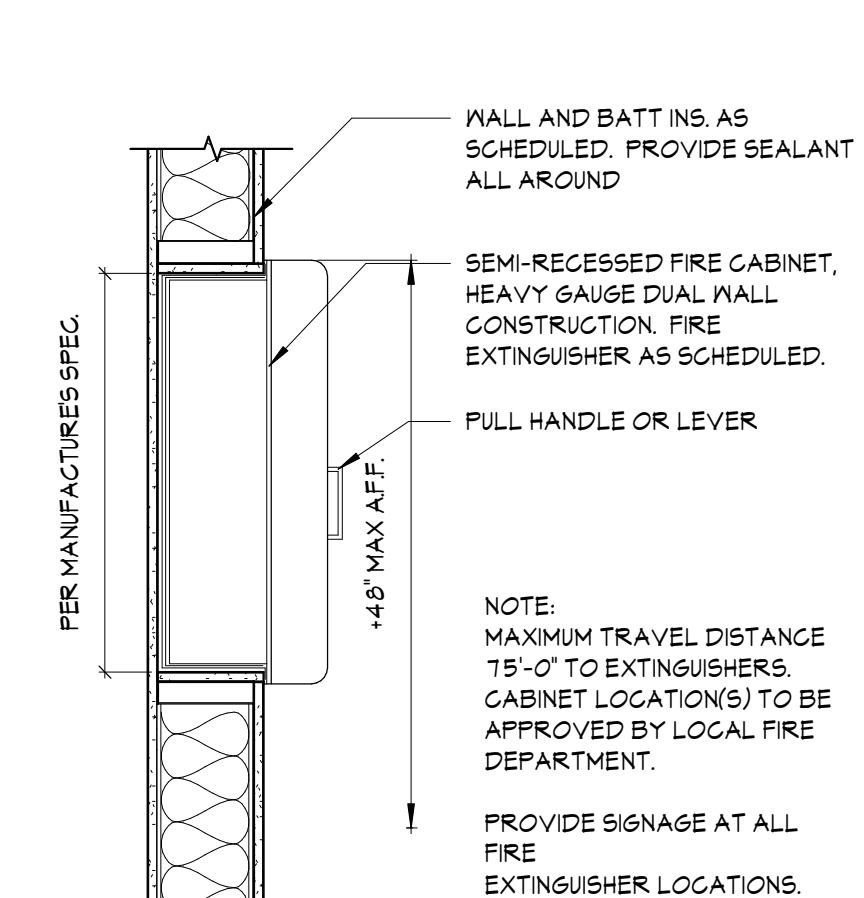
### EXITING NOTES

- PER CBC SECTION 1013: EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.
- PROVIDE TACTILE EXIT SIGNAGE AT ALL EXITS & EXIT ROUTES AS SHOWN ON PLAN PER CBC SECTION 1013.4 AND 11B-216.2. SEE TACTILE SIGNAGE DETAIL THIS SHEET.
- PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE AT ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE PER CBC SECTION 11B-103.7 AND 11B-103.1.2. SEE OCCUPANCY / EXITING PLAN THIS SHEET FOR LOCATIONS. SEE DETAIL THIS SHEET.
- PROVIDE AT ENTRANCE DOORS DURABLE SIGN(S) POSTED ON EGRESS SIDE ON OR ADJACENT TO DOOR THAT STATES: **"THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"**. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND.
- ALL EGRESS DOORS ARE TO BE PROVIDED WITH CODE COMPLIANT HARDWARE / EXITING DEVICES PER 2019 CBC SECTION 1010 AND 11B-206.4, TYP.
- ALL EGRESS DOORS / ROUTES ARE TO BE PROVIDED WITH CODE COMPLIANT MEANS OF EGRESS ILLUMINATION.
- PER CBC SECTION 1013.1: EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.
- NO RATED CONDITIONS REQUIRED TO EXIT PROPOSED TENANT SPACE.
- A PATH OF TRAVEL DOES NOT EXCEED 300'-0" AND COMMON PATH OF EGRESS TRAVEL DOES NOT EXCEED 100'-0"
- ACCESS TO REQUIRED EXITS DOES NOT PASS THRU ADJACENT TENANT SPACES
- EGRESS THRU INTERVENING ROOMS COMPLY WITH 2019 CBC SECTION 1016.2.1.
- THE MINIMUM REQUIRED EGRESS WIDTH SHALL NOT BE LESS THAN REQUIRED BY 2019 CBC SECTION 1005. THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY 0.9 INCHES PER OCCUPANT FOR STAIRWAYS AND BY 0.2 INCHES PER OCCUPANT FOR OTHER EGRESS COMPONENTS. THE MINIMUM EGRESS WIDTH SHALL NOT BE LESS THAN SPECIFIED ELSEWHERE IN THE CODE.

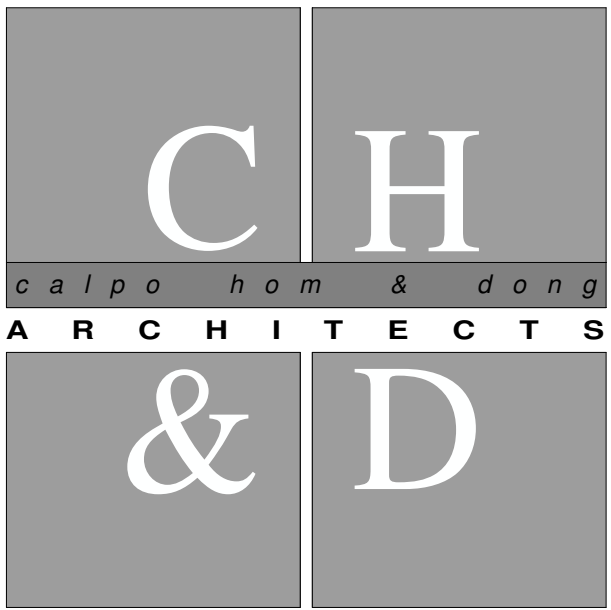
### EXTINGUISHER NOTES

- PORTABLE FIRE EXTINGUISHERS:
  - FOR TABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WITH A MINIMUM RATING CAPACITY OF:
    - OFFICE AREA: 10LB, 2A:10B.C.
    - ELECTRICAL AND EQUIPMENT ROOMS: 4A20B.C.
    - VERIFY REQUIREMENTS FOR ANY SPECIAL OCCUPANCY ROOMS WITH FIRE DEPARTMENT
- PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED TO MAINTAIN A MINIMUM OF ONE EXTINGUISHER PER 3,000 SF (OR ANY PORTION THEREOF) AND A MAXIMUM OF 75 FEET TRAVEL DISTANCE TO ANY EXTINGUISHER. VERIFY REQUIRED DISTANCE WITH FIRE DEPARTMENT PRIOR TO INSTALLATION.
- PORTABLE FIRE EXTINGUISHERS SHALL BE BRACKET MOUNTED IN ACCORDANCE WITH CBC SECTION 906. THE TOP OF THE EXTINGUISHER SHALL BE MOUNTED NO GREATER THAN 48" AFF.
- WHERE EXTINGUISHERS ARE LOCATED ALONG AISLES WITHIN EQUIPMENT OR STORAGE AREAS, PROVIDE A VISIBLE MARKING ON THE COLUMN OR MALL TO INDICATE THE EXTINGUISHER LOCATION.
- CONTRACTOR SHALL CONFIRM THAT KNOX BOXES ARE LOCATED ADJACENT TO BUILDING ACCESS DOOR TO PROVIDE ACCESS TO FIRE PROTECTION SYSTEM EQUIPMENT.
- FIRE EXTINGUISHERS TO COMPLY W/ TITLE 19. FIRE EXTINGUISHERS SHALL HAVE A SERVICE TAG AFFIXED TO THEM THAT PROVIDES PROOF THEY HAVE BEEN INSPECTED AND SERVICED BY A LICENSED FIRE EXTINGUISHER INSPECTOR. (ALL LOCATIONS ARE SUBJECT TO CHANGE AT FIRE INSPECTOR'S DISCRETION).

### EXTINGUISHER DETAIL



- NOTE:** MAXIMUM TRAVEL DISTANCE 75'-0" TO EXTINGUISHERS. CABINET LOCATION(S) TO BE APPROVED BY LOCAL FIRE DEPARTMENT.
- PROVIDE SIGNAGE AT ALL FIRE EXTINGUISHER LOCATIONS.



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Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws or ordinances. One set of approved plans must be kept on the job until completion.

Project: 2:28:59 PM Mar 11, 2023

### JANE HAHN ADA IMPROVEMENTS

306 N. VILLA AVE.,  
WILLOWS, CA 95988

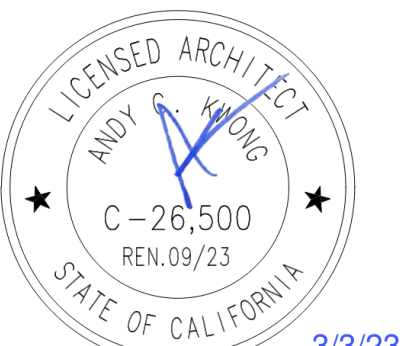
Sheet Title

### EGRESS SHEET

The undersigned architect does not represent that these plans or the specifications in connection therewith are suitable, whether or not modified for any other site than the one for which they were specifically prepared. The architect disclaims responsibility for these plans and specifications if they are used in whole or in part at any other site.

These drawings are not final or to be used for construction until signed by the architect and owner.

All drawings and written material appearing herein constitute the original and unpublished work of the Architect and the same may not be duplicated, used or disclosed without written consent of the Architect.



Architect: ANDY KWONG

Drawn By: KREYES/EC

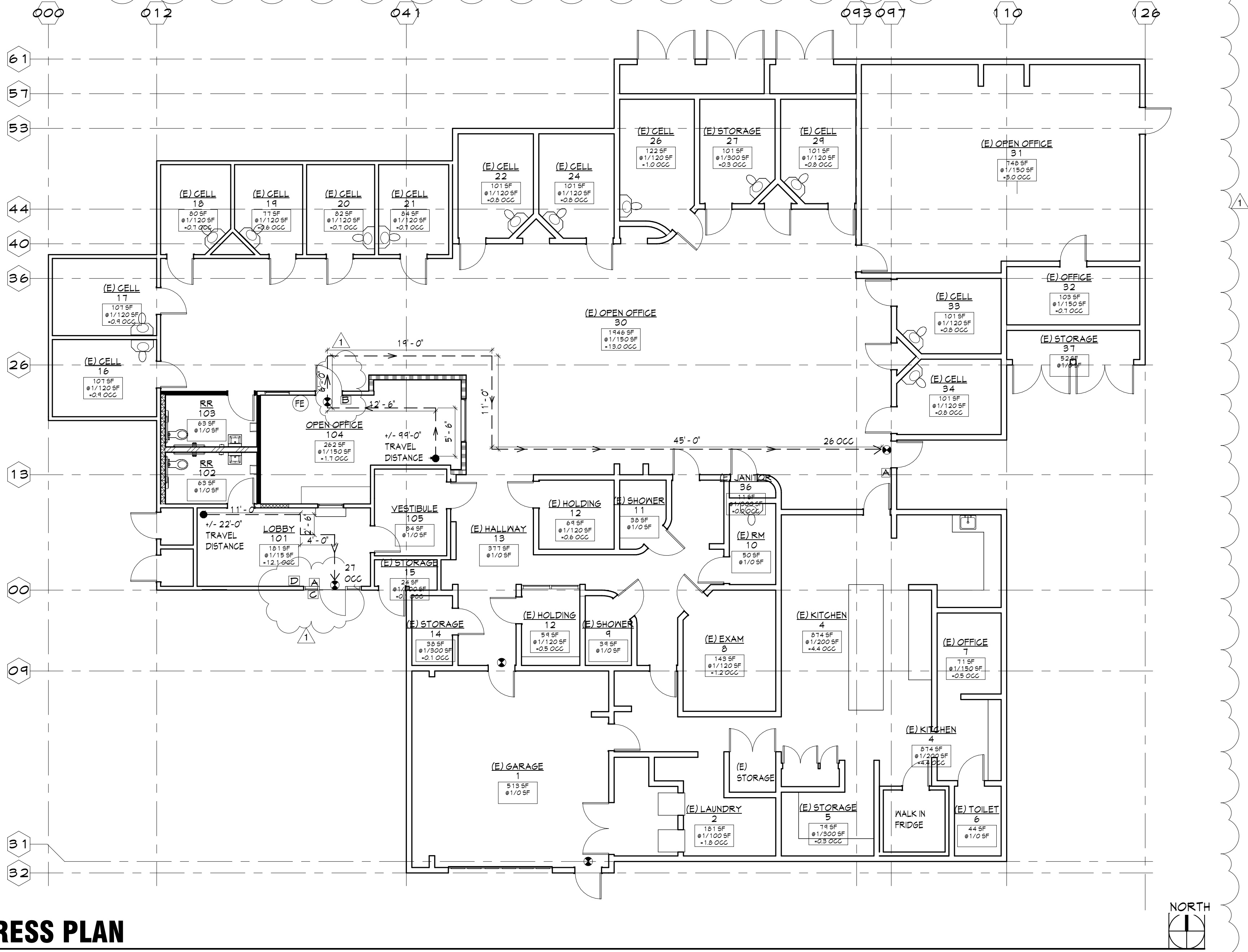
Revisions:

NO.	Date	Description
1	3/3/23	FC COMMENTS
	12/20/22	PLAN SUBMISSION
Job No.	22031	
Date:	JULY 2022	

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### EGRESS PLAN

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

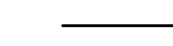
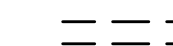
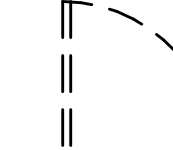


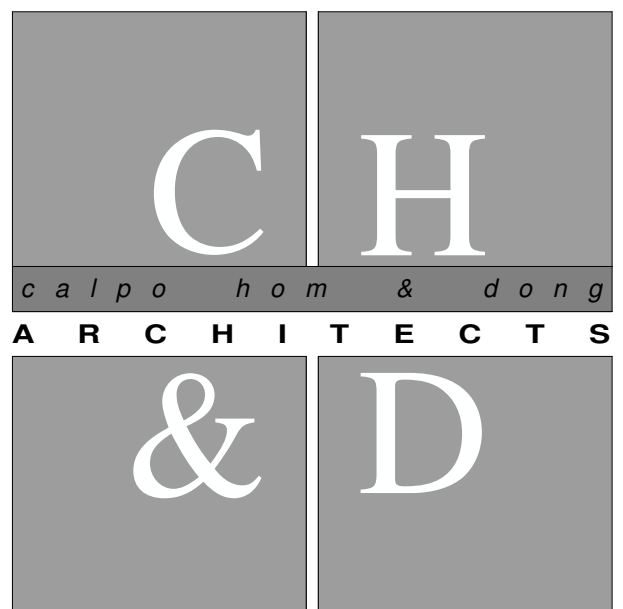


## DEMO PLAN NOTES

- ALL TRADES SHALL PERFORM THEIR DEMOLITION IN A WORKMAN LIKE MANNER AS TO NOT DAMAGE ANY OF THE EXISTING CONSTRUCTION TO REMAIN.
- CONTRACTORS TO VISIT SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS TO BE DEMOLISHED.
- THE FOLLOWING WORK SHALL BE PERFORMED BY THE CONTRACTOR(S) (BUT NOT LIMITED TO):
  - REMOVE WALLS AS INDICATED (GYPSUM BOARD AND STUDS).
  - REMOVE DOORS, FRAMES AND ASSOCIATED HARDWARE AS INDICATED WITHIN CONSTRUCTION DOCUMENTS.
  - REMOVE FLOOR COVERING AND MASTIC THROUGHOUT AREA OF WORK. ALL FLOOR FINISHES TO BE NEW.
  - REMOVE MILLWORK THROUGHOUT AREA OF WORK AS INDICATED.
  - REMOVE THERMOSTATS AND RELOCATE AND/OR REPLACE AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
  - RELOCATE AND/OR REPLACE SUPPLY-AIR REGISTERS AND DUCT WORK TO ACCOMMODATE NEW WORK.
  - RELOCATE AND/OR REPLACE RETURN-AIR REGISTERS AND DUCT WORK TO ACCOMMODATE NEW WORK.
  - REMOVE ALL METAL CONDUIT IN WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE NEW WORK.
  - REMOVE AND STORE ALL LIGHT SWITCHES AND ELECTRICAL OUTLETS AS REQUIRED TO ACCOMMODATE NEW WORK.
- THE DEMOLITION WORK SHALL PROGRESS IN THE FOLLOWING ORDER WHERE APPLICABLE:
  - FLOORING, MASTIC AND WALL BASE.
  - MILLWORK, SINKS AND APPLIANCES
  - DOORS, FRAMES, AND HARDWARE
  - T-BAR CEILING GRID AND TILES OR HARDLIDS
  - ELECTRICAL SWITCHES AND OUTLETS
  - WALLS AND ELECTRICAL CONDUITS
  - PLUMBING AND MECHANICAL
  - FINAL CLEAN-UP
- ALL CONTRACTORS OF THE DEMOLITION WORK SHALL REMOVE THE DEBRIS CAUSED BY THEIR SCOPE OF WORK.
- THE JOB SITE IS TO BE FREE OF ALL DEMOLITION DEBRIS PRIOR TO THE START OF NEW CONSTRUCTION.
- ALL TRADES ARE RESPONSIBLE TO MAINTAIN A CLEAN ENVIRONMENT, FREE OF DEMOLITION DUST AND DEBRIS.
- CONTRACTOR TO PROVIDE ALL PERMITS, AND DUMPSTERS AS REQUIRED TO ACCOMMODATE ENTIRE SCOPE OF DEMOLITION AND NEW CONSTRUCTION WORK.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL DEMOLITION WORK AND SERVICES AS REQUIRED TO PROVIDE NEW IMPROVEMENTS AS INDICATED IN THE PROPOSED PLAN.
- PATCH AND REPAIR FLOOR SURFACE AS REQUIRED FOR A LEVEL CONDITION, READY TO RECEIVE NEW FINISHES.

## DEMO LEGEND

-  EXISTING PARTITION TO REMAIN
-  EXISTING PARTITION TO BE REMOVED
-  EXISTING DOORS & FRAMES TO BE REMOVED



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 CONSTRUCTION THESE PLANS & SPECIFICATIONS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF ANY FEDERAL, STATE, COUNTY OR CITY LAWS OR ORDINANCES. ONE SET OF APPROVED PLANS MUST BE KEPT ON THE JOB UNTIL COMPLETION.  
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*Project*  
**JANE HAHN ADA IMPROVEMENTS**  
**306 N. VILLA AVE., WILLOWS, CA 95988**

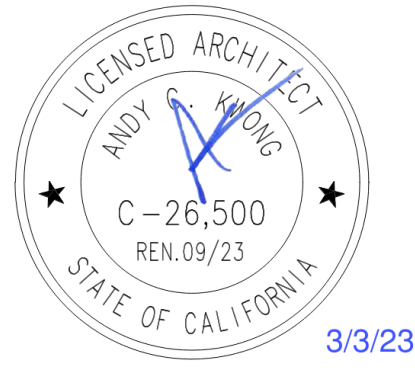
*Sheet Title*  
**DEMO FLOOR PLAN**

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The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

These drawings are not final or to be used for construction until signed by the architect and owner.

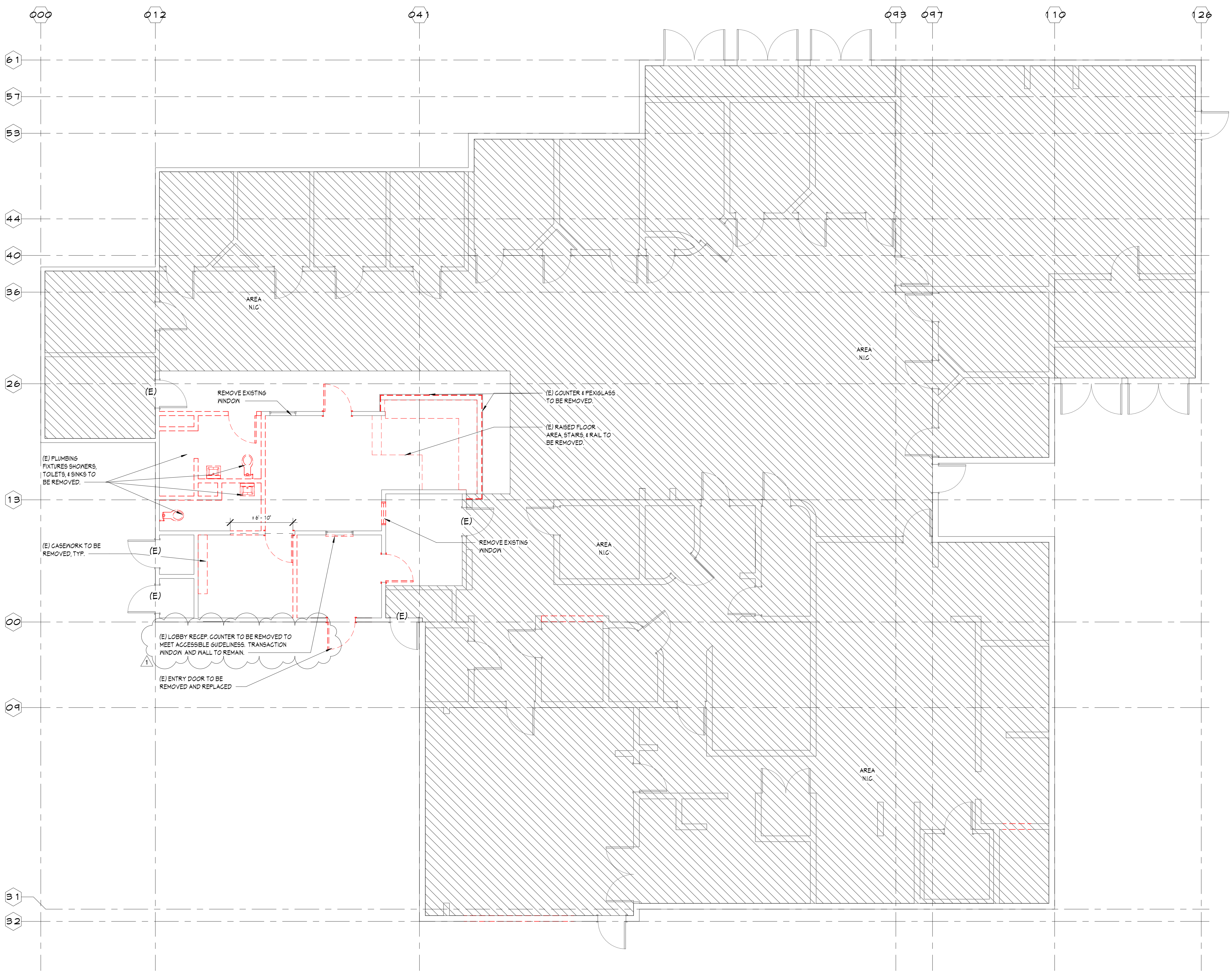
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Architect: ANDY KWONG  
 Drawn By: KREYES / EC

NO.	Date	Description
1	3/3/23	FC COMMENTS
	12/20/22	PLAN SUBMISSION

Job No.: 22031  
 Date: JULY 2022



## DEMO PLAN

SCALE: 3/16" = 1'-0"

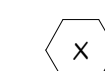
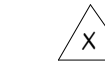
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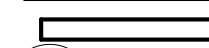





## FLOOR PLAN NOTES

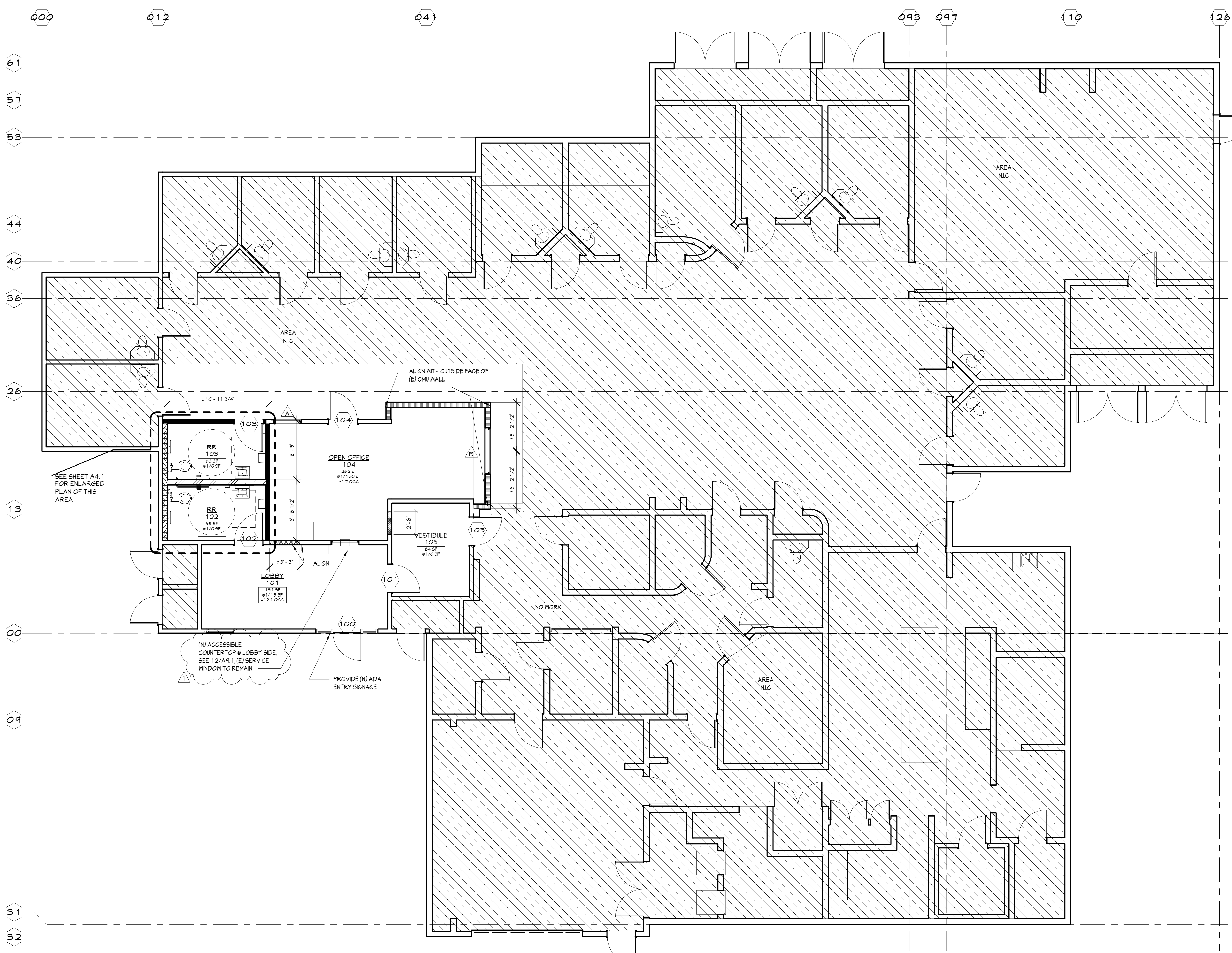
- CONTRACTOR TO FIELD VERIFY AND NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES 5 DAYS PRIOR TO BID DUE DATE.
- ALL CONTRACTORS MUST SURVEY THE PROJECT SITE PRIOR TO START OF DESIGN WORK. ADVISE THE ARCHITECT 5 DAYS PRIOR TO BID, OF ANY DISCREPANCY WITH ARCHITECT'S DRAWINGS.
- ALL CONTRACTORS TO COMPLY W/ ALL CODES & REGULATIONS.
- NOTIFY & OBTAIN APPROVAL OF BUILDING MANAGEMENT OF ANY TEMPORARY STOPPAGE OF BLDG. UTILITIES, SERVICES AND/OR ALARM MONITORING SYSTEM.
- EXISTING CONDITIONS HAVE NOT BEEN FULLY FIELD VERIFIED. CONFIRM SCOPE OF WORK WITH BUILDING OWNER AND ARCHITECT REGARDING EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM WHAT IS SHOWN ON THESE DOCUMENTS WHEN ENCOUNTERED.
- OBTAIN BUILDING OWNER'S APPROVAL OF WALL CHALK LINES PRIOR TO INSTALLATION OF BASE TRACKS.
- OBTAIN BUILDING OWNER'S APPROVAL OF ELECTRICAL AND DATA OUTLET LOCATIONS PRIOR TO INSTALLATION. SEE ELECTRICAL DRAWINGS.
- REPAIR PATCH & FINISH ALL GYPSUM BOARD (NEW AND EXISTING) AS REQUIRED TO BE READY FOR FINISH.
- PATCH, REPAIR, AND/OR REPLACE EXISTING CONSTRUCTION IN AREA OF WORK, AS REQUIRED FOR A FINISHED APPEARANCE AND/OR TO MAINTAIN SECURITY.
- PROVIDE ALL DEMOLITION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION & SCOPE OF WORK.
- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- PROVIDE METAL STUDS TO MATCH SPECIFIED WALL GAGE AT ALL NEW DOOR JAMBS AND HEAD CONDITIONS.
- STUD GAUGE AND SIZE INDICATED ARE MINIMUM STANDARDS IN NO EVENT SHALL STUD SIZE, GAUGE, AND SPACING FALL BELOW MINIMUM REQUIREMENTS UNLESS OTHERWISE INDICATED.
- PROVIDE FOR CLEANING OF FLOOR IN AREAS OF WORK ONLY.
- ALL FLOORS SHALL BE LEVEL AND CLEAN PRIOR TO START OF WALL ERECTION, PATCH, REPAIR AND/OR REPLACE AS REQUIRED.
- WALLS SHALL BE FINISHED AND PAINTED FROM SLAB TO HEAD ON BOTH SIDES OF THE WALL WHERE WALL IS EXPOSED FULL HEIGHT.
- CONTRACTOR TO COORDINATE STUD SIZE AT PLUMBING WALLS TO ACCOMMODATE LATERAL RUNS.
- ENTRY AND EXIT DOORS ON THE EXTERIOR OF THE BUILDING, AND INCLUDED WITH THIS SCOPE OF WORK, SHALL CONFORM TO TITLE 24 REQUIREMENTS.
  - A. HARDWARE: MAXIMUM EFFORT TO OPERATE DOOR SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. MAXIMUM EFFORT TO OPERATE FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
  - B. EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
  - C. CONSTRUCTION: THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
  - D. SEE DOOR NOTES FOR ADDITIONAL INFORMATION.
- ALL SELF CLOSING DOORS WITH A LATCH SHALL HAVE REQUIRED DOOR CLEARANCES: PROVIDE MIN 1'2" STRIKE SIDE CLEARANCE ON PUSH SIDE OF DOORS. PROVIDE MIN 1'6" STRIKE SIDE CLEARANCE ON THE PULL SIDE OF DOORS. PROVIDE MIN 2'4" STRIKE SIDE CLEARANCE ON THE PULL SIDE OF EXTERIOR DOORS. PROVIDE MIN 4'8" DEEP CLEAR SPACE IN FRONT OF THE DOOR ON THE PUSH SIDE AND 60" DEEP CLEAR SPACE IN FRONT OF THE DOOR ON THE PULL SIDE.
- PROVIDE FIRE EXTINGUISHERS AS SHOWN ON PLAN. FIRE EXTINGUISHERS (NEW AND EXISTING) SHALL BE FITTED WITH CURRENT INSPECTION TAGS. INSPECTION OF FIRE EXTINGUISHERS SHALL BE BY A COMPANY LICENSED BY THE FIRE MARSHALL HAVING JURISDICTION. PROVIDE IDENTIFICATION SIGNAGE ABOVE EXTINGUISHER AND AN EMERGENCY EVACUATION SIGN ON THE WALL ADJACENT TO EXTINGUISHER INDICATING PLAN OF SPACE AND PATH OF TRAVEL TO BUILDING EXITS. PORTABLE FIRE EXTINGUISHERS ARE REQUIRED DURING CONSTRUCTION, ALTERATIONS, OR DEMOLITIONS. SIZE, TYPE, AND LOCATION TO BE CONFIRMED BY THE LOCAL FIRE DEPARTMENT HAVING JURISDICTION.
- CLEAN BUILDING AREAS USED DURING CONSTRUCTION PRIOR TO TURNING OVER BUILDING TO OWNER.

## SYMBOL LEGEND

-  DOOR SYMBOL FOR CORRESPONDING DOOR SCHEDULE
-  WINDOW SYMBOL FOR CORRESPONDING WINDOW SCHEDULE

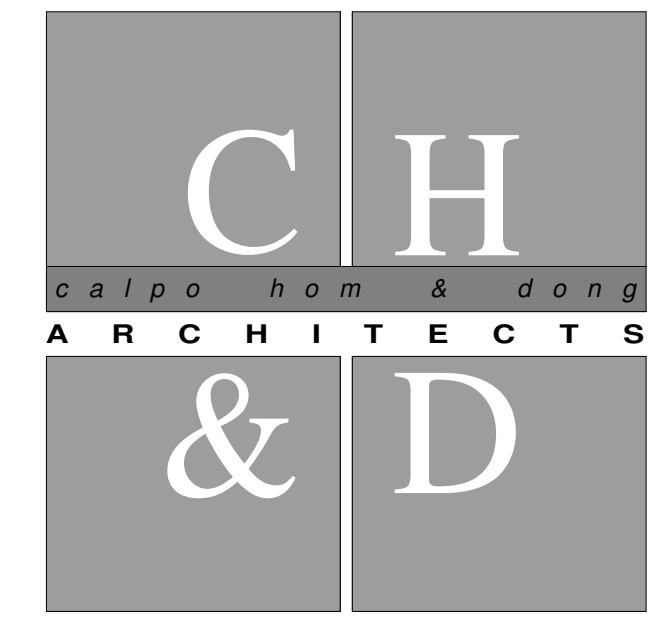
## WALL LEGEND

-  (E) PARTITION TO REMAIN
-  (N) 3 1/2" CEILING HEIGHT INFILL WITH 5/8" TYPE X GYP BD BOTH SIDES. USE WR TYPE X FOR MET FACING AREAS. ACOUSTICAL BATT INSULATION
-  (N) INFILL TO MATCH (E) CONSTRUCTION. PROVIDE 5/8" TYPE X GYP BD. ACOUSTICAL BATT INSULATION
-  (N) 6" MTL STUD PLUMBING WALL W/ 5/8" WR TYPE X GYP BD. ON SINGLE SIDE
-  (N) 6" MTL STUD PLUMBING WALL W/ 5/8" WR TYPE X GYP BD ON EACH SIDE. ACOUSTICAL BATT INSULATION
-  (N) 6" MTL STUD W/ 5/8" TYPE X GYP BD ON EACH SIDE ON TOP OF (E) CMU WALL. ACOUSTICAL BATT INSULATION



## FLOOR PLAN

SCALE: 3/16" = 1'-0"



*principals*  
 ALAN C. HOM C 16979  
 DENNIS DONG C 12163  
 ANDY C. KWONG C 26500  
 LOANGLE R. NEWSOME C 22048

*associates*  
 KARIN RYLANDER C 22836

2120 20TH STREET, SUITE ONE  
 SACRAMENTO, CALIFORNIA 95818  
 TEL: 916.446.7741 FAX: 916.446.0457  
 REVIEWED FOR CODE COMPLIANCE BY:  
 WILLIAM ENGINEERING  
 Consultant  
 Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws or ordinances. One set of approved plans must be kept on the job until completion.

Project  
**JANE HAHN ADA IMPROVEMENTS**  
**306 N. VILLA AVE., WILLOWS, CA 95988**

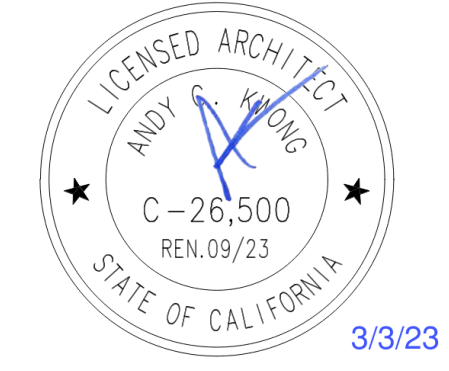
Sheet Title  
**FLOOR PLAN**

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Architect: ANDY KWONG  
 Drawn By: KREYES/EC

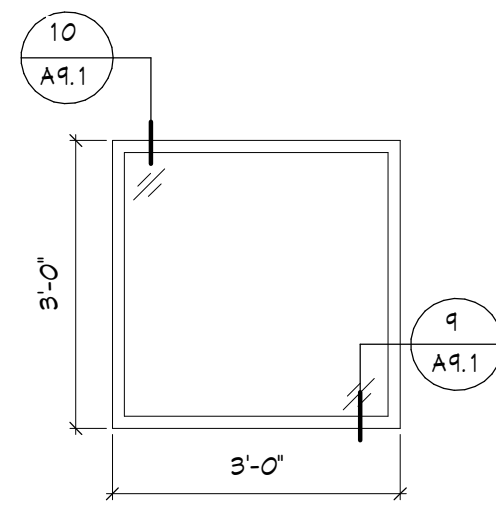
Revisions	NO.	Date	Description
1	3/3/23	FC COMMENTS	
	12/20/22	PLAN SUBMISSION	

Job No.: 22031  
 Date: JULY 2022

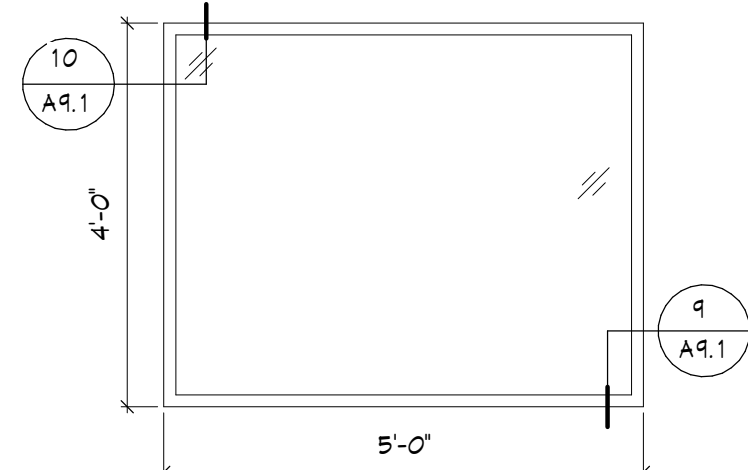
## A2.1



## WINDOW TYPES



FIXED PICTURE WINDOW  
1/4" KNOCKDOWN METAL FRAME  
QTY: 1



FIXED PICTURE WINDOW  
1/4" KNOCKDOWN METAL FRAME  
QTY: 1



## DOOR SCHEDULE

Mark	Room	Width	Height	Thickness	Door Material	Door Finish	Door Type	Frame Material	Frame Finish	Frame Type	Fire Rating	Hardware Group	Comments
100	ENTRY	3'-0"	7'-0"	0'-1 3/4"	MTL	FF	D3	ALUM.	FF	F2		C	DOOR REPLACED ONLY, STOREFRONT TO REMAIN TEMPERED GLASS
101	LOBBY	3'-0"	7'-0"	0'-1 3/4"	WD	PT	D1	KD	FF	F1	--	B	
102	RESTROOM	3'-0"	7'-0"	0'-1 3/4"	WD	PT	D2	KD	FF	F1	--	A	
103	RESTROOM	3'-0"	7'-0"	0'-1 3/4"	WD	PT	D2	KD	FF	F1	--	A	
104	OPEN OFFICE	3'-0"	7'-0"	0'-1 3/4"	WD	PT	D2	KD	FF	F1	--	B	
105	VESTIBULE	3'-0"	7'-0"	0'-1 3/4"	WD	PT	D2	KD	FF	F1	--	B	

## DOOR LEGEND

### DOOR MATERIAL

SG WOOD SOLID CORE - STAIN GRADE  
WD WOOD SOLID CORE - PAINT GRADE  
MTL HOLLOW METAL DOOR

### DOOR FINISH

PT PAINT  
STN STAIN  
FF FACTORY FINISH

### FRAME MATERIAL

PMF PRESSED METAL FRAME  
ALUM. ALUMINUM FRAME

### FRAME FINISH

PT PAINT  
FF FACTORY FINISH

## HARDWARE GROUPS

### GROUP A

- LEVEL HANDLE PER T-24 AND ADA
- WALL MOUNTED DOOR STOP
- PRIVACY FUNCTION LOCKET
- SELF CLOSER
- ACCESSIBLE TOILET ROOM SIGNAGE  
SEE DETAIL 112/A4.1
- SILENCERS
- 10" KICK PLATE

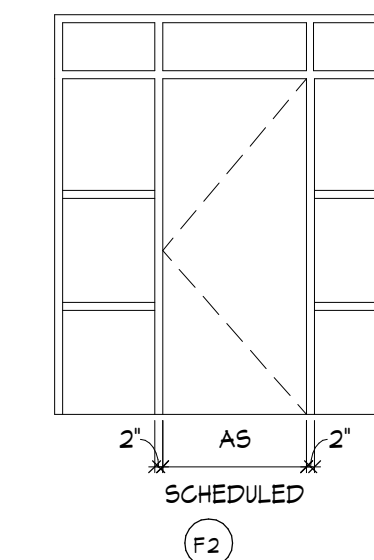
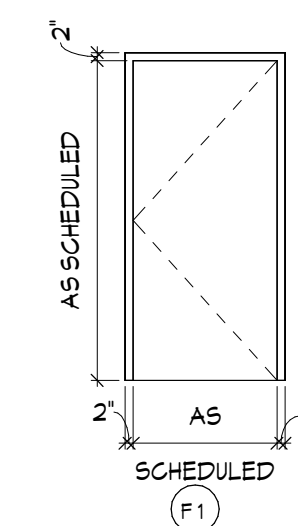
### GROUP B

- LEVEL HANDLES PER T-24 AND ADA
- STOREROOM FUNCTION LOCKET
- SELF CLOSER
- WALL MOUNTED DOOR STOP
- SILENCER
- GARD READER
- ELECTRONIC STRIKE

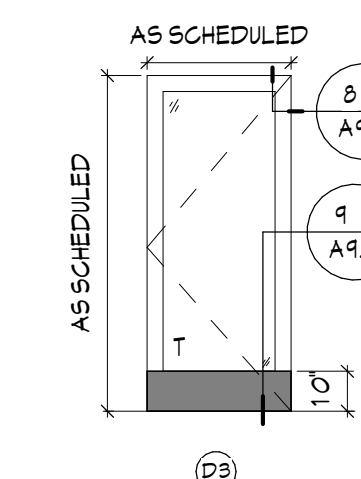
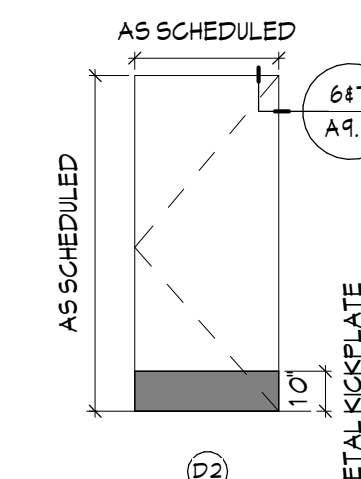
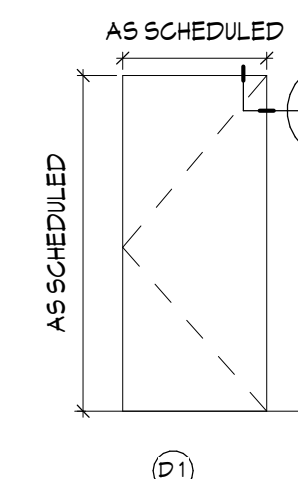
### GROUP C

- LEVER HANDLE PER T-24 AND ADA
- ENTRANCE FUNCTION LOCKSET
- PANIC HARDWARE IN THE DIRECTION OF EGRESS
- SELF CLOSER
- ELECTRONIC STRIKE
- GARD READER
- WEATHERSEALS
- SILENCERS
- FLOOR MOUNTED DOOR STOP
- 10" KICK PLATE
- ADA ALUM. THRESHOLD

## FRAME TYPES



## DOOR TYPES



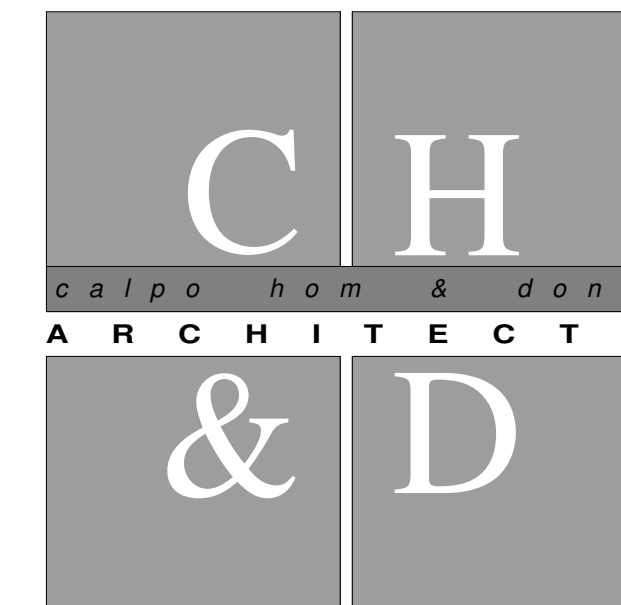
## GENERAL DOOR NOTES

- ALL SELF-CLOSING DOORS WITH A LATCH SHALL HAVE REQUIRED DOOR CLEARANCES AT DOORS. PROVIDE MIN 12" STRIKE SIDE CLEARANCE ON PUSH SIDE OF DOORS. PROVIDE MIN 18" STRIKE SIDE CLEARANCE ON PULL SIDE OF INTERIOR DOORS. PROVIDE MIN 24" CLEARANCE ON PULL SIDE OF EXTERIOR DOORS. PROVIDE MIN 48" DEEP CLEAR SPACE IN FRONT OF THE DOOR ON THE PUSH SIDE AND 60" DEEP CLEAR SPACE IN FRONT OF THE DOOR ON THE PULL SIDE.
- EXCEPT WHERE OTHERWISE DESIGNATED, DOORS SHALL BE PROVIDED AS A COMPLETE ASSEMBLY.
- EXCEPT WHERE OTHERWISE DESIGNATED WIDTH OF DOOR TO BE MINIMUM 36". PROVIDE REQUIRED 32" NET CLEARANCE BETWEEN FACE OF DOOR AND THE JAMBS.
- ALL NEW HARDWARE TO MATCH (E) IN MANUFACTURER & FINISH. FIELD VERIFY PRIOR TO BID AND / OR INSTALLATION OF NEW HARDWARE IN EXISTING BUILDINGS.
- TWO PAIR BUTTS PER DOOR LEAF FOR 8'-0" HIGH DOORS & TALLER. 1-1/2 PAIR BUTTS PER DOOR FOR 7'-0" HIGH DOORS.
- ALL DOOR FRAMES TO MATCH (E) IN SIZE & FINISH. FIELD VERIFY PRIOR TO BID AND/OR INSTALLATION NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL DOORS TO BE LEVER ACTIVATED AS TO MEET CALIFORNIA'S T-24 ACCESSIBILITY REQUIREMENTS GUIDELINES.
- TITLE 24 NOTES:
  - HARDWARE:** MAXIMUM EFFORT TO OPERATE DOOR SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR & INTERIOR DOORS. MAXIMUM EFFORT TO OPERATE FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
  - EXIT DOORS:** SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
  - CONSTRUCTION:** THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR.
  - DOOR HARDWARE:** TO BE CENTERED BETWEEN 34" MIN AND 44" MAX ABOVE FINISH FLOOR.
  - CLOSURES:** SHALL COMPLY WITH 2019 CBC 11B-404.2.8 DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM LATCH IS 5 SECONDS MINIMUM.
  - PROVIDE T-24 SIGNAGE AT ALL ENTRY REQUIRED LOCATIONS.
    - TACTILE EGRESS SIGNAGE:** PROVIDE ON THE EGRESS SIDE OF MAIN ENTRY, EMPLOYEE ENTRY, AND DOORS ALONG EGRESS PATH OF TRAVEL SIGNAGE TO BE INSTALLED ADJACENT TO DOOR WITH THE BASELINE OF THE HIGHEST LINE OF TEXT ON THE SIGN 60" ABOVE THE FINISH FLOOR SIGNAGE TO HAVE CALIFORNIA CONTRACTED GRADE 2 BRAILLE.
    - ISA SIGNAGE:** PROVIDE ON THE ENTRANCE SIDE OF MAIN ENTRY, EMPLOYEE ENTRY AND OTHER PUBLIC ACCESSIBLE ENTRANCES SIGNAGE TO BE INSTALLED ADJACENT TO DOOR WITH THE CENTERLINE OF THE SIGN 60" ABOVE THE FINISH FLOOR.

REVIEWED FOR CODE COMPLIANCE BY:  
**WILLDAN ENGINEERING**

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2:29:00 PM Mar 11, 2023



principals

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associates

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.....  
Consultant

Project

## JANE HAHN ADA IMPROVEMENTS

306 N. VILLA AVE.,  
WILLOWS, CA 95988

Sheet Title

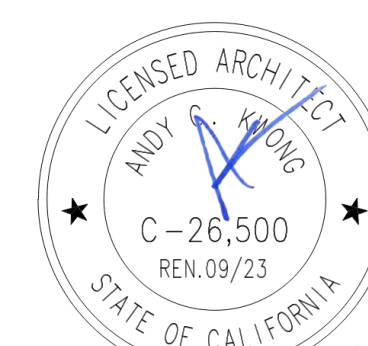
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3/3/23

Architect: ANDY KWONG

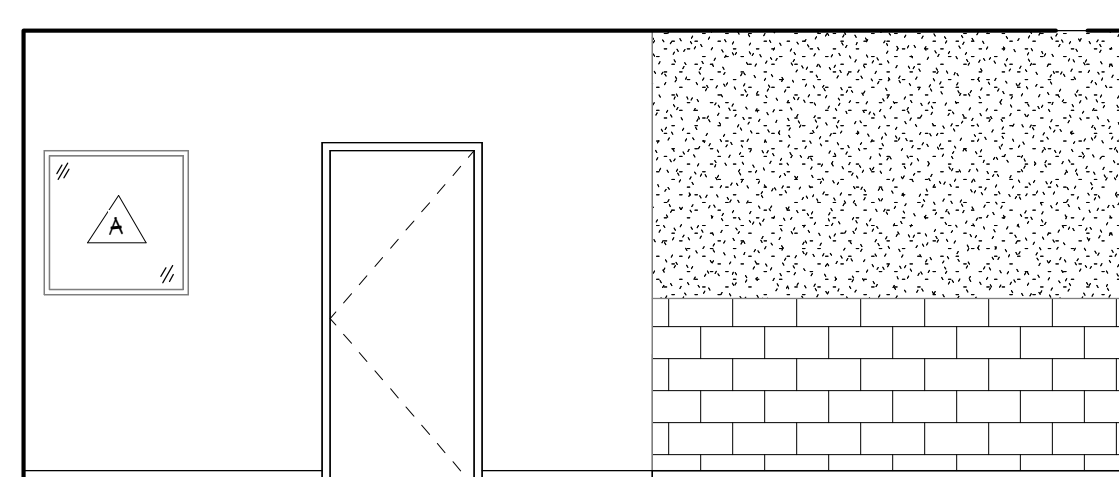
Drawn By: KREYES / EC

Revisions:

NO.	Date	Description
1	3/3/23	FC COMMENTS
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Job No. 22031  
Date: JULY 2022

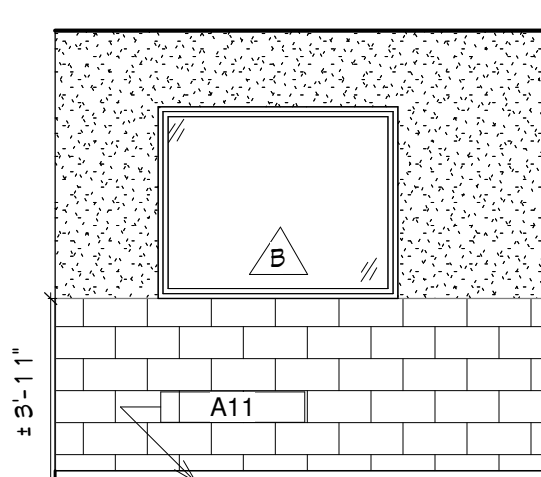
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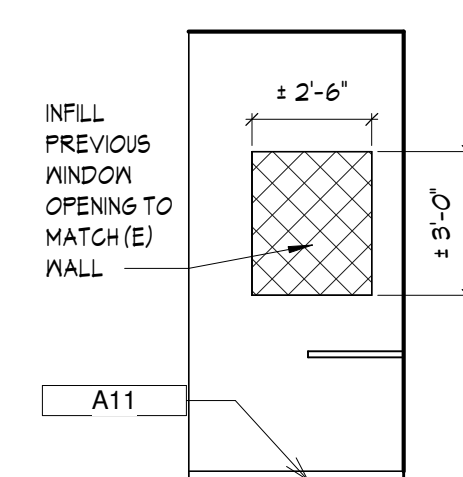
NORTH

## OPEN OFFICE

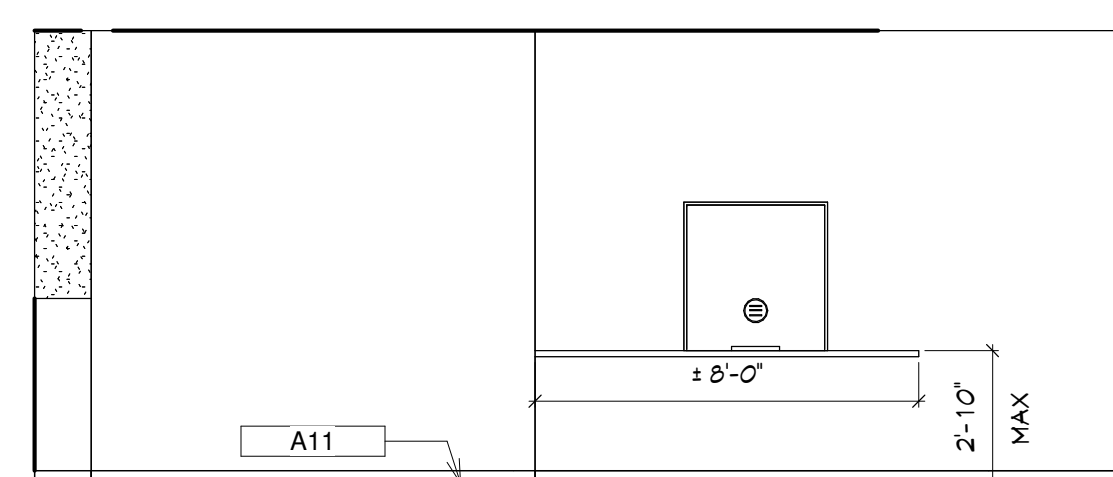
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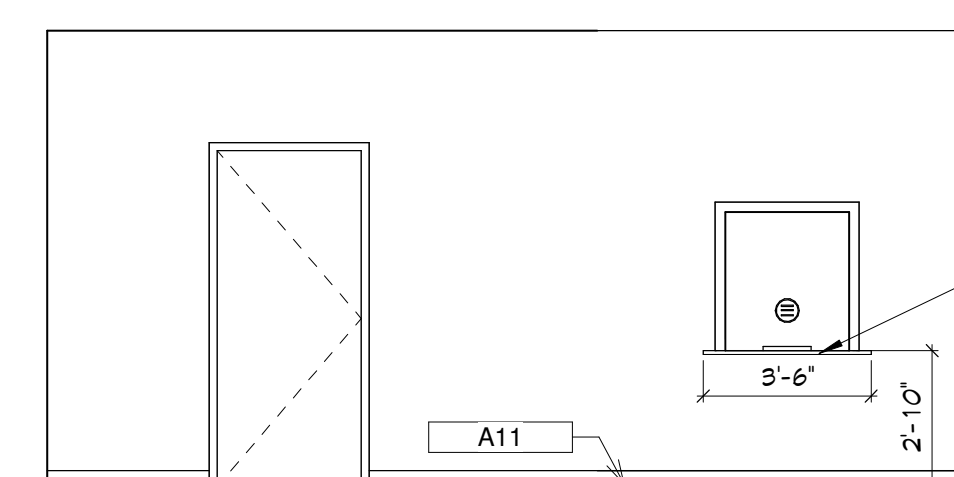
EAST



EAST CONTINUED



SOUTH



NORTH

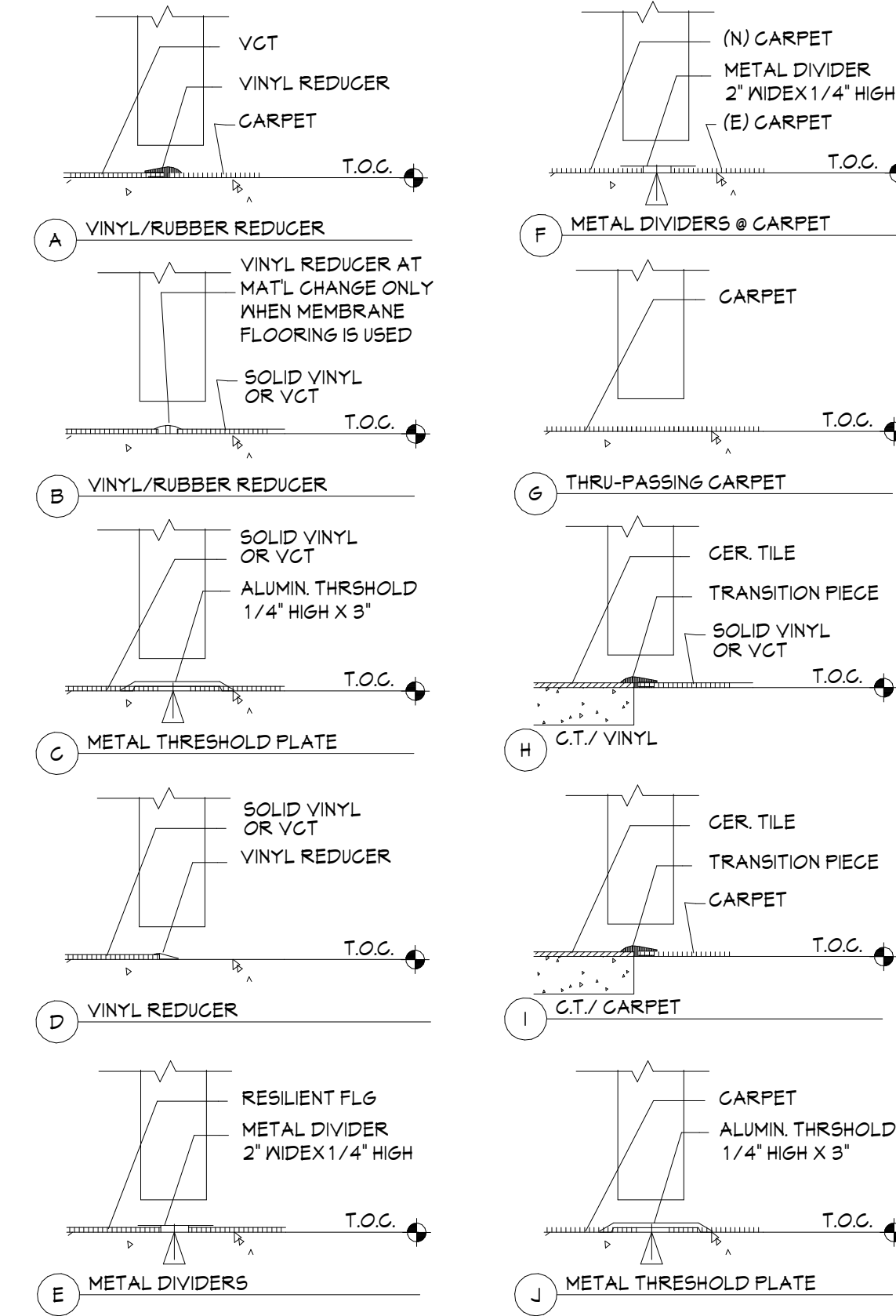
## LOBBY

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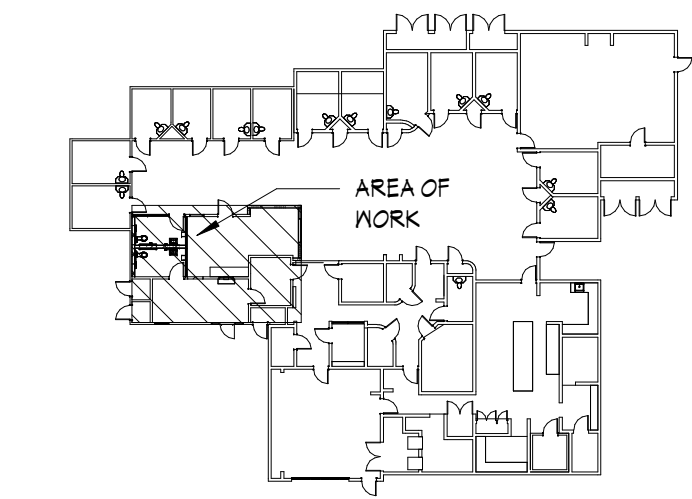
### THRESHOLD DETAILS

NOTE: DENOTED BY —X—



### WALL LEGEND

<b>WALL</b>		
<b>PAINT:</b>		
PT-1	MANUFACTURER: KELLY MOORE 1040 PREMIUM PROFESSIONAL STYLE/FINISH: SEMI-GLOSS IN RR, ALL OTHER AREAS SATIN COLOR/PATTERN: WHISPER BEIGE NOTE:	
<b>BASE</b>		
B-1	TYPE: 4" COVED RUBBER BASE MANUFACTURER: MANNINGTON BURKE COLOR/PATTERN: BLACK NOTE: USE EGO 515 ULTABOND WALLBASE ADHESIVE	
<b>COUNTERTOP FINISHES</b>		
CN-1	TYPE: P-LAM MANUFACTURER: FORMICA COLOR/PATTERN: TBD NOTE:	
<b>FLOOR:</b>		
<b>TILE</b>		
TL-1	MANUFACTURER: MSI STYLE/FINISH: HONED MARBLE MESH - MOUNTED MOSAIC TILE COLOR/PATTERN: GREGIAN WHITE HEXAGON SIZE: 12' X 12' X 10 MM	
<b>CARPET</b>		
CP-1	MANUFACTURER: SHAM STYLE/FINISH: INTELLECT COLOR: SMARTS 45110 PATTERN: QUARTER TURN SIZE: 24' X 24' ADHESIVE: SHAM D5000	
<b>VINYL FLOORING</b>		
LVP-1	MANUFACTURER: SHAM STYLE/FINISH: FORTITUDE SPC VINYL PLANK COLOR/PATTERN: ALMOND OAK THICKNESS: 12 MIL	



### KEYPLAN

SCALE: 1" = 40'-0"

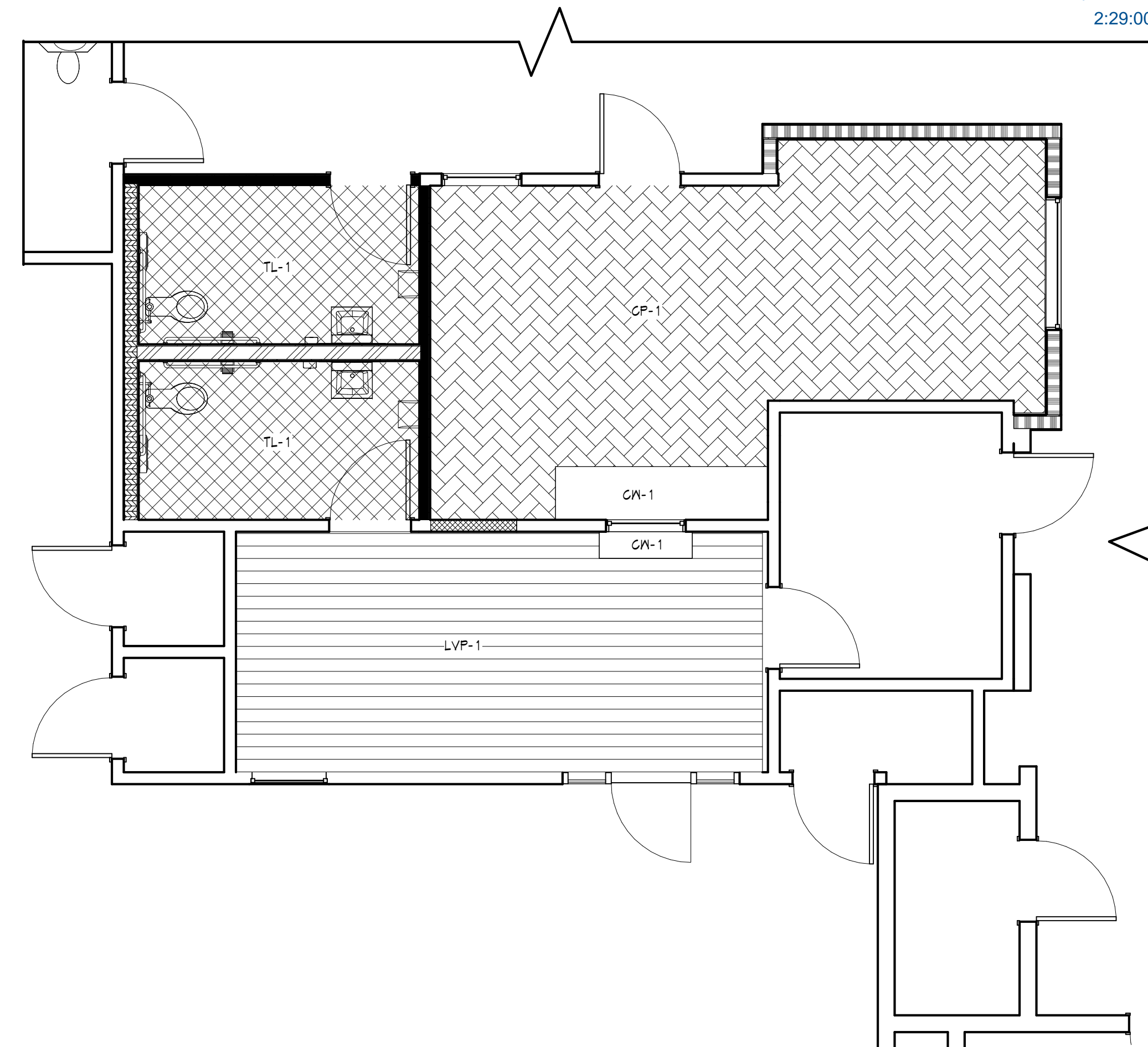
### FINISH NOTES

- SUBMIT SAMPLES BEFORE PLACING FULL ORDERS WHERE MATERIALS ARE NOT RETURNABLE. NOTIFY ARCHITECT IMMEDIATELY OF LONG LEAD ORDER ITEMS.
- ALL PAINT FINISH OF METAL PARTS OF DOOR FRAMES, PERIMETER ENCLOSURES, ETC, SHALL BE SEMI-GLOSS, UNLESS OTHERWISE NOTE (U.O.N)
- ALL PAINT SHALL BE APPLIED IN ACCORDANCE W/ THE MANUFACTURER'S SPECIFICATION FOR THE PARTICULAR SURFACE.
- ALL SURFACES SHALL BE PROPERLY PREPARED WITH SEALER PRIOR TO THE INSTALLATION OF WALLCOVERING PER MANUFACTURER'S RECOMMENDATION.
- CONTRACTOR SHALL PAINT AND/OR FINISH NEW INTERIOR WALL W/ PAINT AND/OR FINISHES ACCORDING TO THE FINISH LEGEND. VERIFY WITH OWNER.
- FLOAT ALL AREAS WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO FLOOR INSTALLATION.
- NO SUBSTITUTIONS ARE ALLOWED WITHOUT APPROVAL OF ARCHITECT.
- PROVIDE TRANSITION STRIPS @ ALL-DIS-SIMILAR FLOOR COVERING U.O.N. SEE DETAIL. THIS SHEET.
- ALL PAINTS AND COATINGS SHALL MEET CALIFORNIA GREEN BUILDING STANDARD CODE SECTION 5.504.4.1-5.504.4.3.2
- USE SHAM T-180 ADHESIVE FOR LVP FLOORING

**REVIEWED FOR CODE COMPLIANCE BY:**  
WILLDAN ENGINEERING

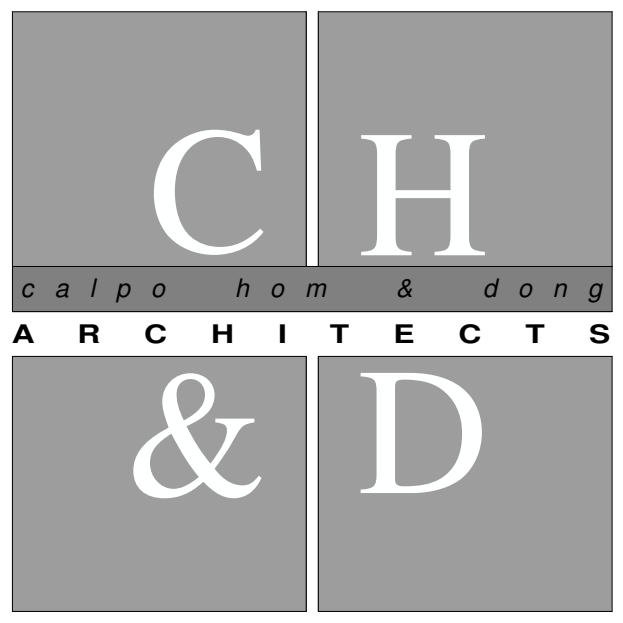
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2:29:00 PM Mar 11, 2023



### FINISH PLAN

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



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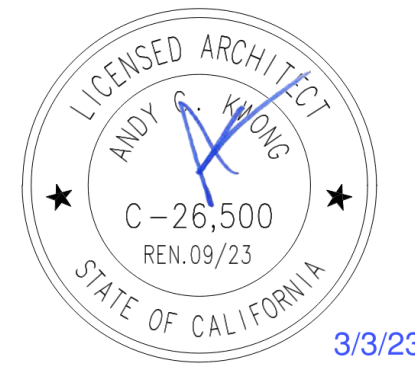
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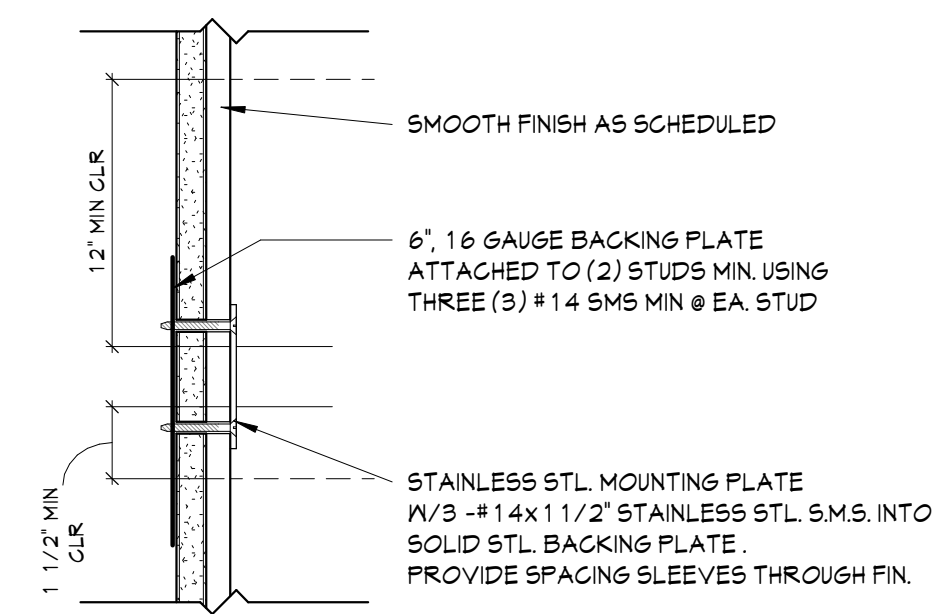
Architect: ANDY KWONG  
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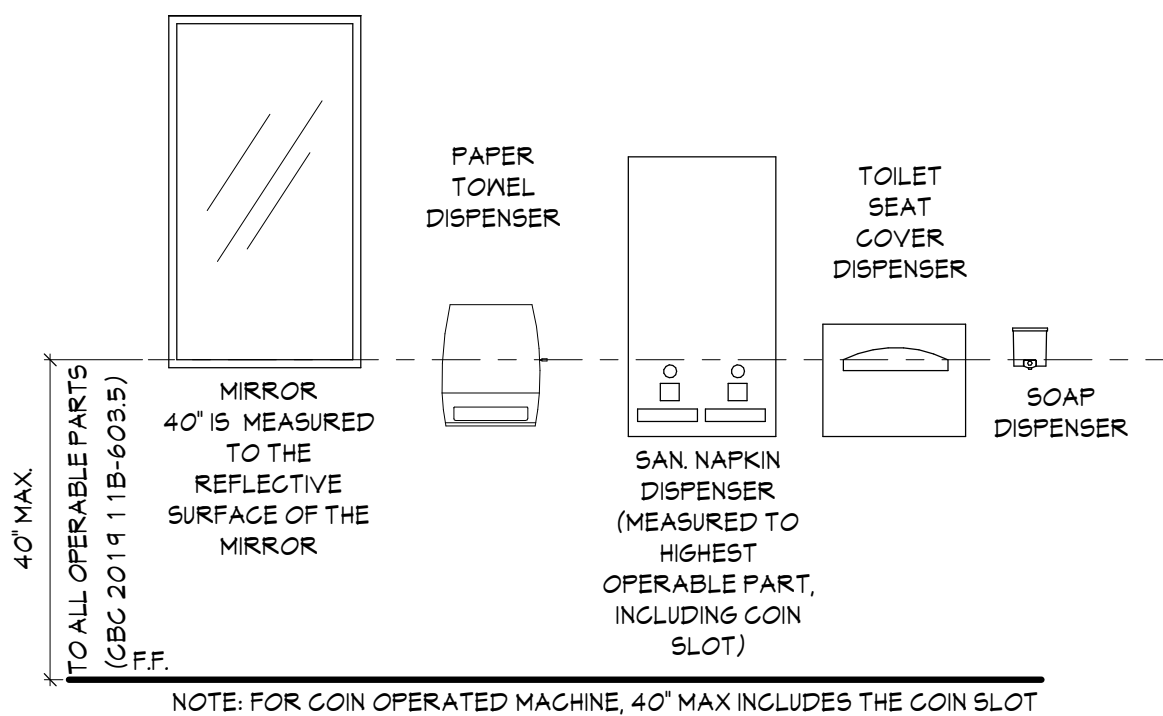
### A2.3





#### 4 BACKING DETAIL

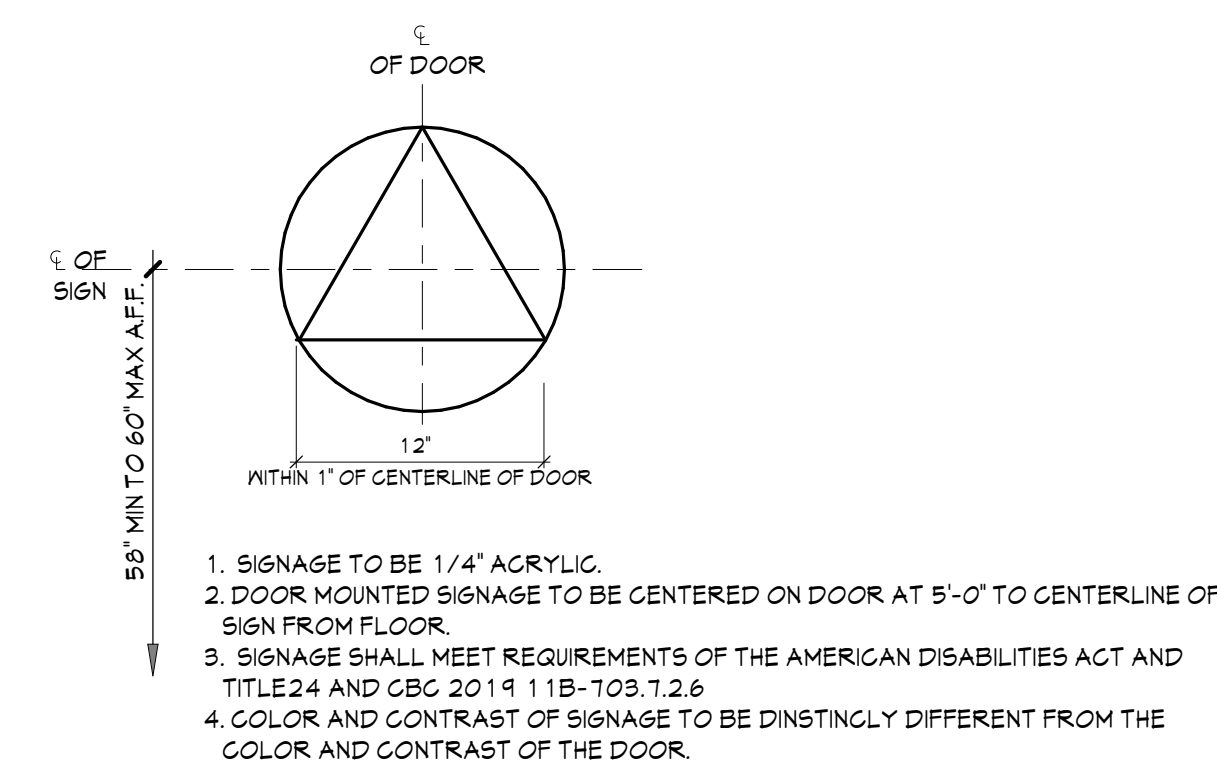
SCALE: 3" = 1'-0"



CLEARANCES AT WALL FIXTURES OPERABLE HEIGHTS

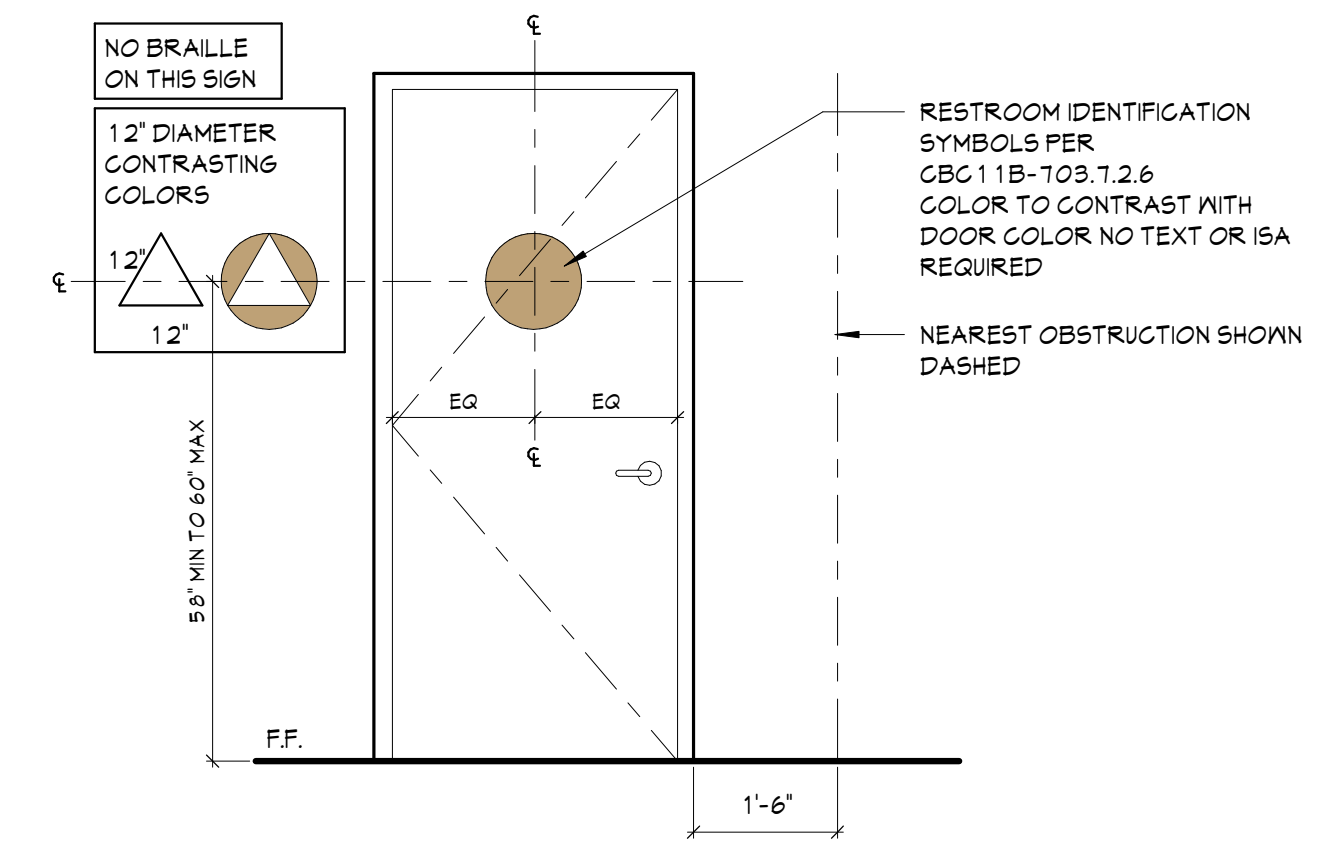
#### 3 WALL FIXTURE HEIGHTS

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



#### 2 DOOR SIGNAGE

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

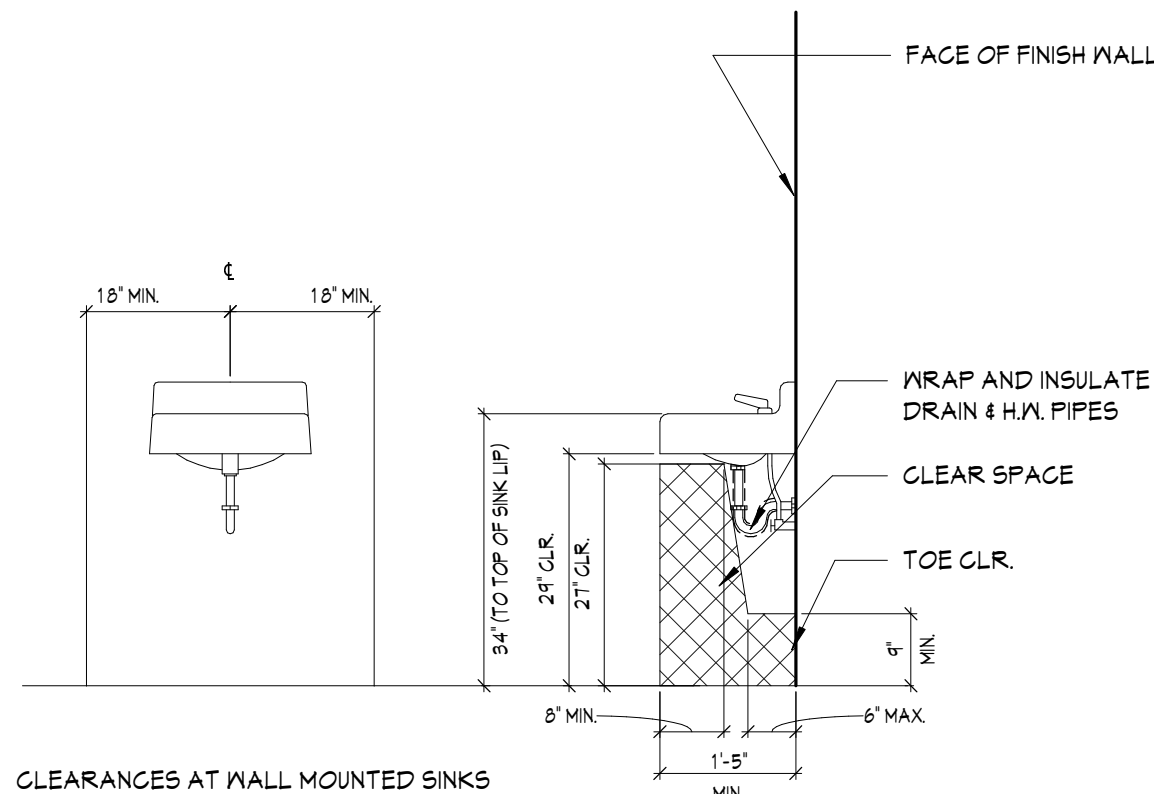


#### 1 TOILET ROOM SIGNAGE

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

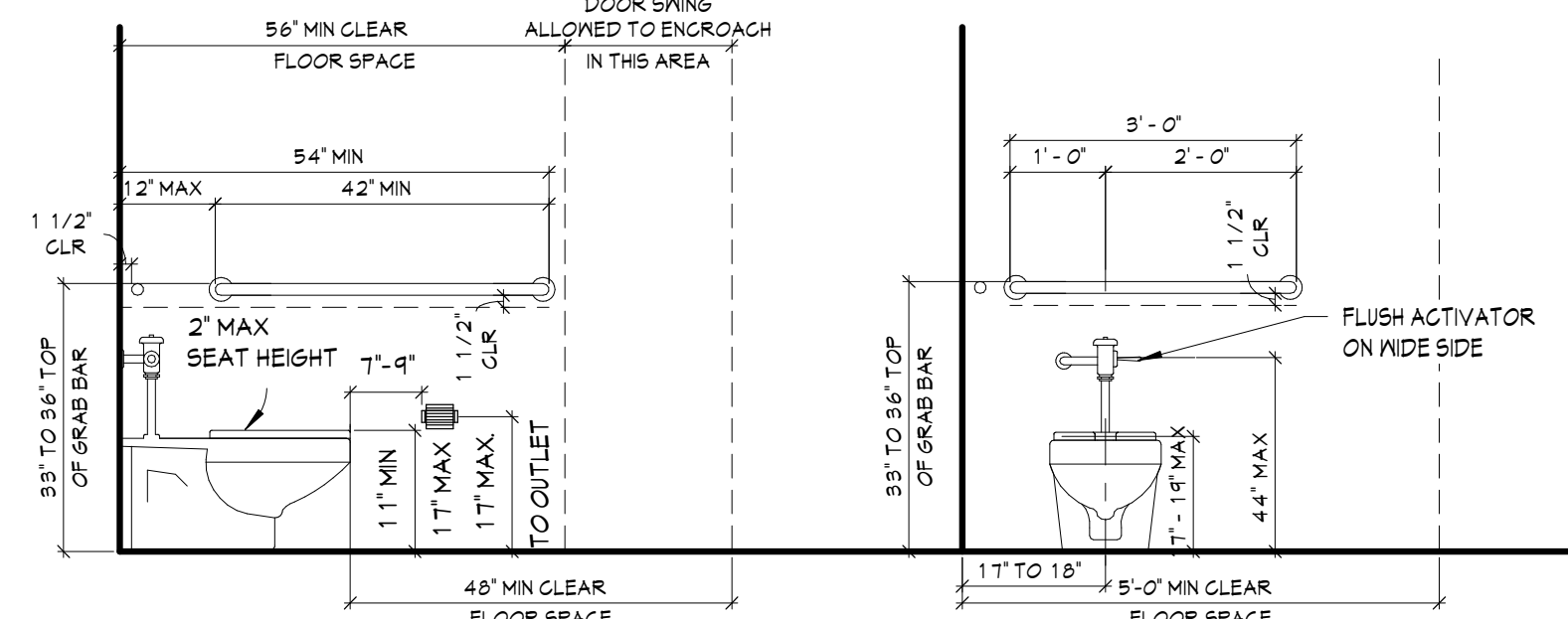
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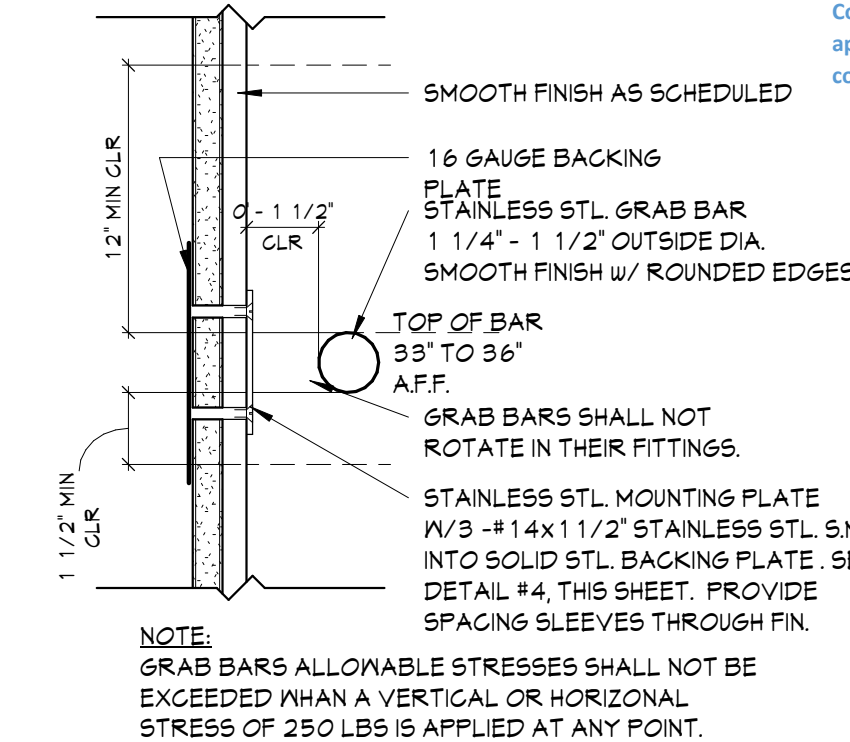
#### 7 WALL MOUNTED SINK

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



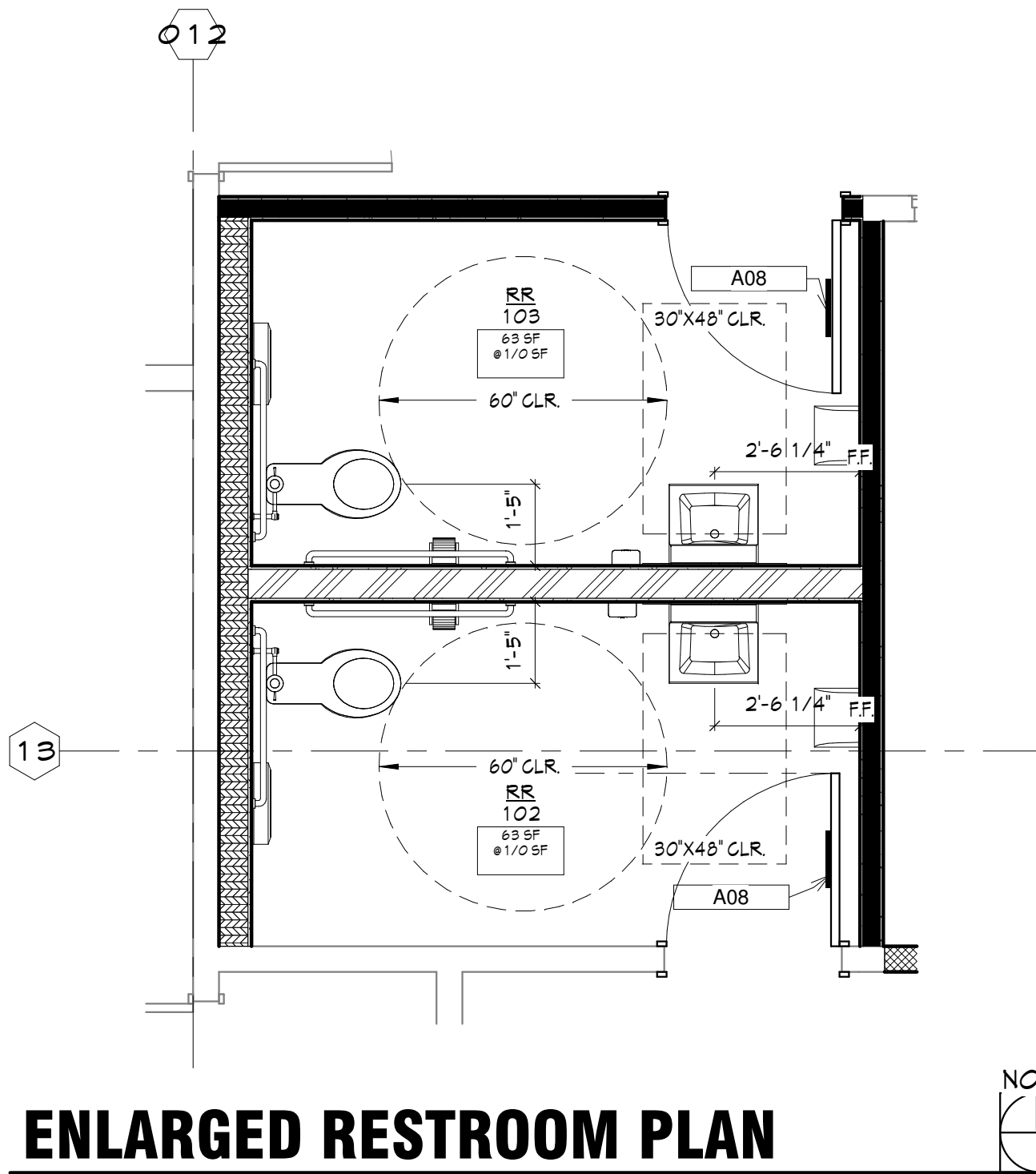
#### 6 ACCESSIBLE WALL MOUNTED TOILET

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



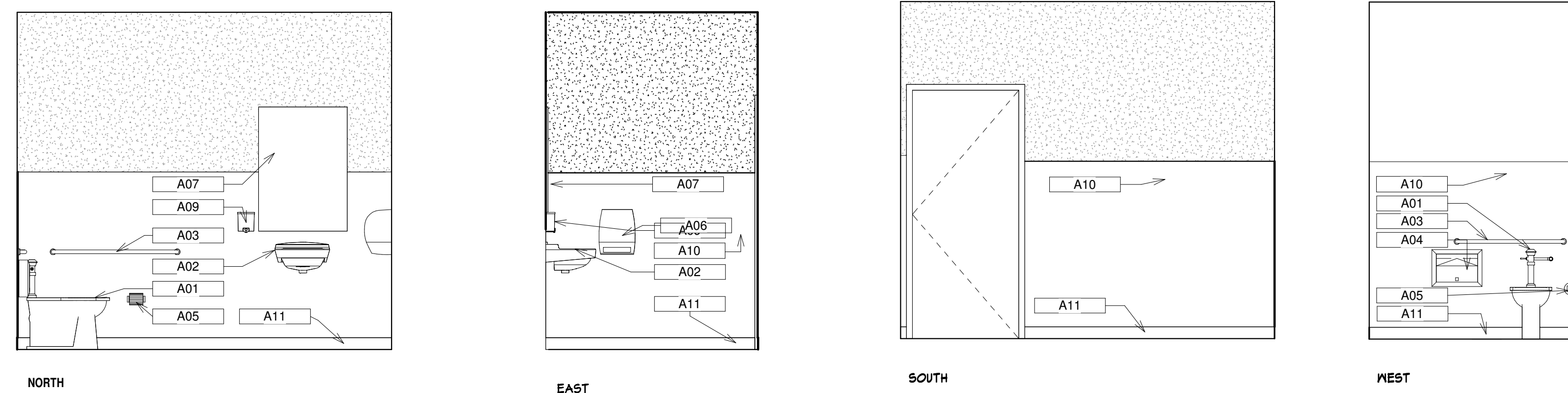
#### 5 GRAB BAR

SCALE: 3" = 1'-0"



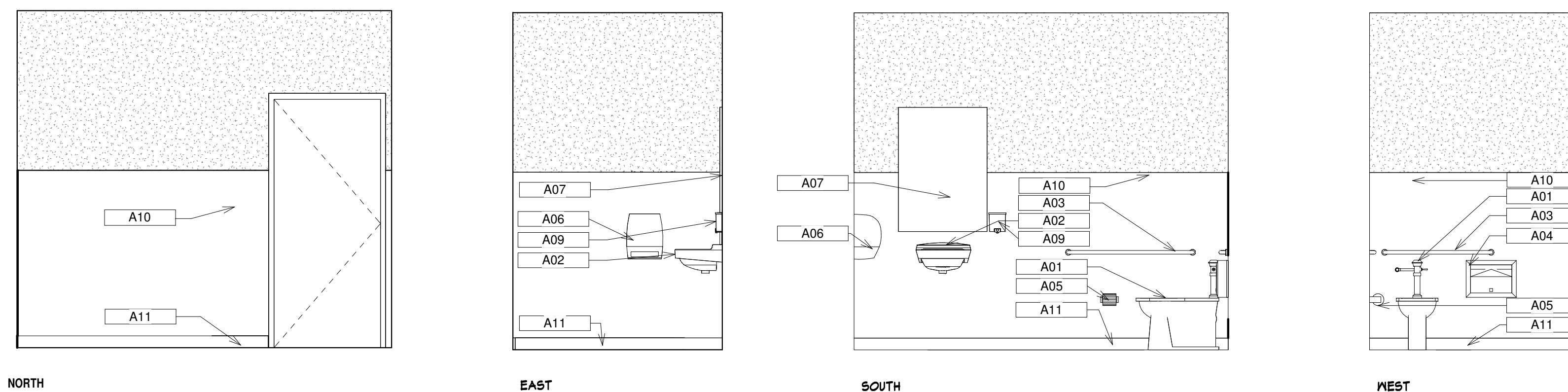
#### ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



#### 102 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"



#### 104 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"

#### RESTROOM NOTES

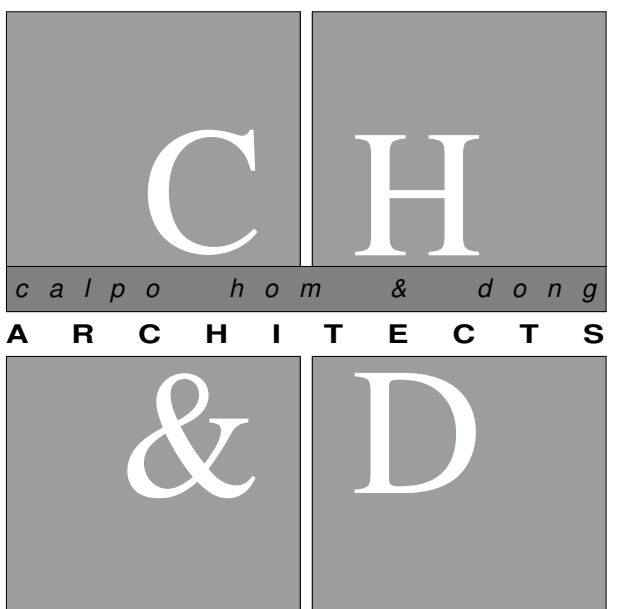
- DIMENSIONS TO FIXTURES ARE FROM EDGE OF FIXTURE OR CENTERLINE OF FIXTURE TO FACE OF WALL FINISH, TYP. U.O.N.
- DIMENSIONS BETWEEN FIXTURES ARE FROM EDGE OF FIXTURE TO EDGE OF FIXTURE
- ALL CLEAR DIMENSIONS ARE FROM FACE OF WALL FINISH
- PROVIDE WALL BLOCKING SUPPORT FOR ALL WALL MOUNTED ACCESSORIES / EQUIPMENT.
- WRAP AND INSULATE SUPPLY AND WASTE PIPES AT SINKS.
- USE WATER RESISTANT GYP. BD. AT ALL MET WALL LOCATIONS.
- GRAB BARS TO BE IN ACCORDANCE WITH CBC 2019 11B-609.4 & 11B-604.5

#### KEYNOTE LEGEND

A01	FLOOR MOUNTED TOILET- SEE DETAILS FOR CLEARANCES
A02	WALL MOUNTED SINK, SEE DETAIL 6/A.1 FOR CLEARANCES
A03	36" X 42" WALL MOUNTED GRAB BAR- SEE DETAILS FOR CLEARANCES
A04	SURFACE MOUNTED TOILET SEAT COVER DISPENSER, INSTALL PER CLEARANCES ON THIS SHEET
A05	SURFACE MOUNTED TOILET TISSUE DISPENSER, SEE CLEARANCES ON THIS SHEET
A06	KIMBERLY-CLARK MANUAL 8" PAPER TOWEL DISPENSE, MODEL H-9608, INSTALL PER CLEARANCES ON THIS SHEET
A07	MIRROR(S) WHERE OCCURS, INSTALL PER CLEARANCES ON THIS SHEET
A08	TOILET ROOM DOOR SIGNAGE, SEE DETAIL 112/A.1
A09	SOAP DISPENSER(S), INSTALL PER CLEARANCES, V.I.F.
A10	FRP, 5" HIGH
A11	4" RUBBER BASE

#### RESTROOM LEGEND

	INDICATES 30' X 48' CLEAR SPACE PER 2019 CBC 11B-905.
	INDICATES 60' DIA TURNING SPACE PER 2019 CBC 11B-904.3.1



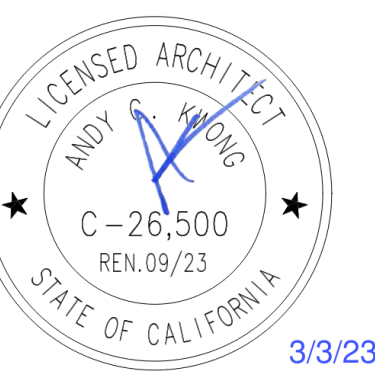
principals  
ALAN C. HOM C 16979  
DENNIS DONG C 12163  
ANDY C. KWONG C 26500  
LOANGLE R. NEWSOME C 22048  
associates  
KARIN RYLANDER C 22836

2120 20TH STREET, SUITE ONE  
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TELE: 916.446.7741 FAX: 916.446.0457  
Consultant

#### JANE HAHN ADA IMPROVEMENTS

306 N. VILLA AVE.,  
WILLOWS, CA 95988

#### ENLARGED RESTROOM PLAN



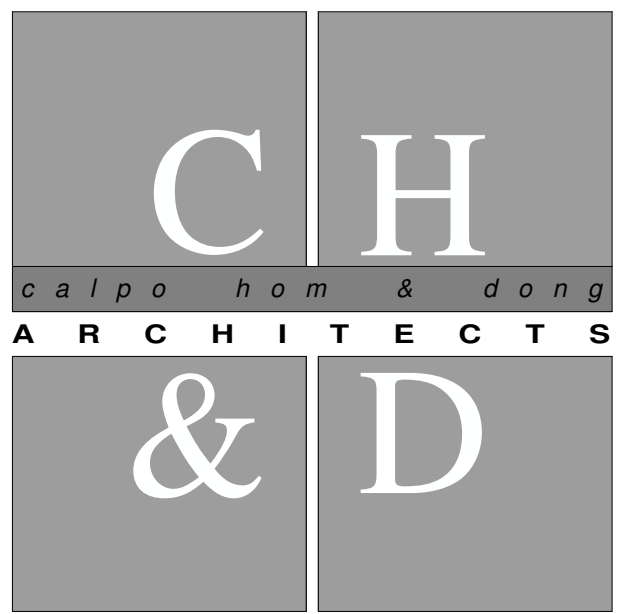
Architect	ANDY KWONG	
Drawn By	KREYES / EC	
Revisions		
NO.	Date	Description
1	3/3/23	FC COMMENTS
	12/20/22	PLAN SUBMISSION
Job No.	22031	
Date:	JULY 2022	

#### A4.1



**CEILING PLAN NOTES**

1. ALL CONTRACTORS MUST SURVEY THE PROJECT SITE PRIOR TO START OF DESIGN WORK. ADVISE THE ARCHITECT 5 DAYS PRIOR TO BID, OF ANY DISCREPANCY WITH ARCHITECT'S DRAWINGS.
2. CONTRACTOR TO COORDINATE AND VERIFY LIGHTING INDICATED ON ELECTRICAL DRAWINGS. CONTRACTOR TO VERIFY AND COORDINATE AND / OR MODIFY (WITH ARCHITECT'S APPROVAL) TO AVOID ALL DARKSPOTS AND TO COMPLY WITH TITLE-24 REQUIREMENTS.
3. LIGHTING LEVELS ARE THE RESPONSIBILITY OF THE DESIGN BUILD CONTRACTOR FOR TENANT REQUESTED LIGHTING LEVELS. PROVIDE ADDITIONAL LIGHT FIXTURES (INCLUSIVE OF BID), IF REQUIRED (WITH ARCHITECT'S APPROVAL).
4. ALL CONTRACTORS TO COMPLY W/ ALL CODES & REGULATIONS.
5. CONTRACTORS TO COORDINATE ALL HVAC SUPPLY / RETURN REGISTERS AS REQUIRED TO ACCOMMODATE FOR LIGHTING LAYOUT.
6. CONTRACTOR TO PERFORM OVERHEAD COORDINATION TO AVOID COLLISION BETWEEN TRADES PRIOR TO THE INSTALLATION OF LIGHTS, DUCTWORK, ETC.
7. NOTIFY & OBTAIN APPROVAL OF BUILDING MANAGEMENT OF ANY TEMPORARY STOPPAGE OF BLDG. UTILITIES, SERVICES AND/OR ALARM MONITORING SYSTEM.
8. EXISTING CONDITIONS MAY NOT HAVE BEEN FULLY FIELD VERIFIED. CONFIRM SCOPE OF WORK WITH OWNER, AND ARCHITECT REGARDING EXISTING CONDITIONS NOT SHOWN ON THESE DOCUMENTS WHEN ENCOUNTERED.
9. WHERE EXISTING CEILING ARE USED PATCH, REPAIR, AND / OR REPLACE EXISTING CEILING IN AREA OF WORK TO PROVIDE FOR A CONTINUOUS SYSTEM AND PROVIDE FOR A LIKE NEW APPEARANCE. MODIFY CEILING AS REQUIRED TO COMPLY WITH CURRENT SEISMIC STANDARDS AND CBC REQUIREMENTS.
10. REMOVE ALL EXISTING GYP BOARD CEILING AND FRAMING IN AREA OF WORK AS REQUIRED TO ACCOMMODATE NEW WORK.
  - A. FOR LOBBY AND OPEN OFFICE AREAS, PATCH AND REPAIR GYP BOARD CEILING. DO NOT REPLACE ENTIRE CEILING UNLESS DIRECTED TO DO SO BY CLIENT OR ARCHITECT. IF NECESSARY TO REMOVE BRING TO THE ATTENTION OF CLIENT AND ARCHITECT FIRST.
11. PATCH, REPAIR AND / OR MODIFY EXISTING DRAFT STOPS AS REQUIRED BY CBC SECTION 1113. PROVIDE NEW WHERE REQUIRED.
12. PROVIDE MEANS OF EGRESS ILLUMINATION AS REQUIRED PER CBC SECTION 1006.2 AN EMERGENCY POWER SYSTEM FOR MEANS OF EGRESS ILLUMINATION SHALL BE PER CBC SECTION 1006.3. SEE ELECTRICAL.
13. PROVIDE SMOKE / FIRE DAMPERS AS REQUIRED INCLUDING ALL ELECTRICAL WIRING AND SENSORS TO MAINTAIN RATED CONSTRUCTION WHERE REQUIRED.
14. PROVIDE THROUGH WALL ACCESS INTO ATTIC SPACE ABOVE GYP BOARD CEILING AREAS WHEN CEILING IS SURROUNDED BY WALLS EXTENDING FULL HEIGHT.

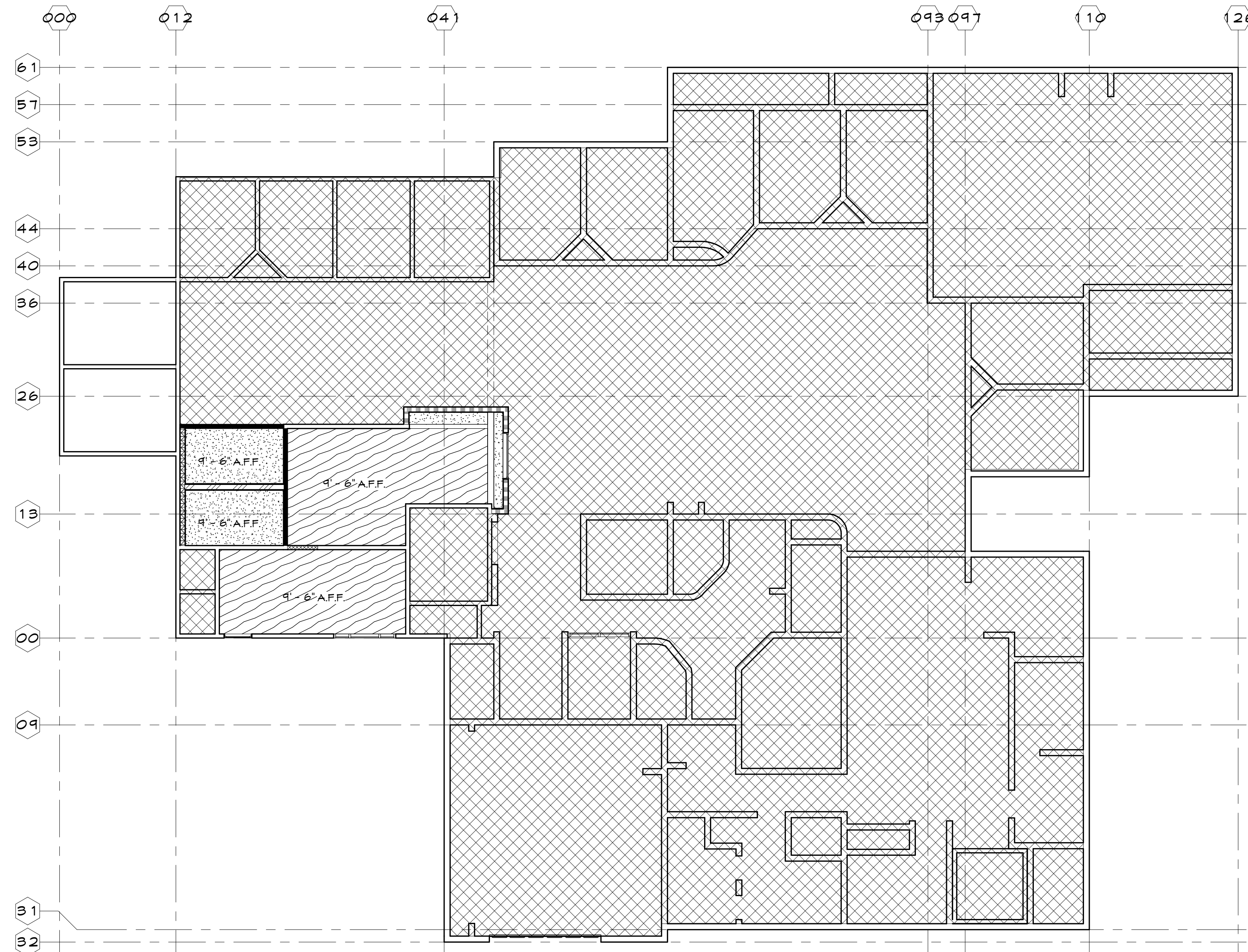


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*associates*  
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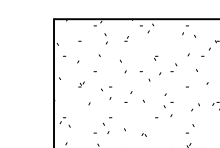
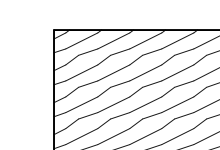
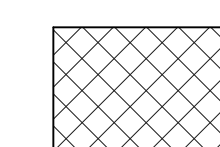
2120 20TH STREET, SUITE ONE  
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 .....  
*Consultant*

*Project*  
**JANE HAHN ADA IMPROVEMENTS**  
  
**306 N. VILLA AVE., WILLOWS, CA 95988**

*Sheet Title*  
**REFLECTED CEILING PLAN**

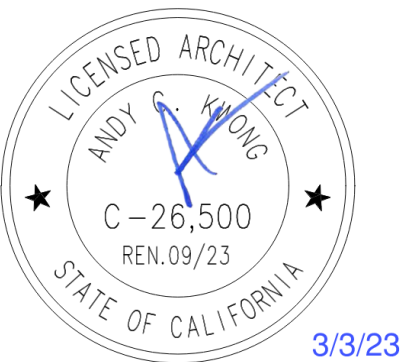


**CEILING LEGEND**

-  (N) GYP BD CEILING
-  PATCH/ REPAIR GYP BOARD AS NEEDED
-  AREA NOT IN CONTRACT

**REVIEWED FOR CODE COMPLIANCE BY:**  
 WILLDAN ENGINEERING  
 Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws or ordinances. One set of approved plans must be kept on the job until completion.  
 2:29:00 PM Mar 11, 2023

.....  
 The undersigned architect does not represent that these plans or the specifications in connection therewith are suitable, whether or not modified for any other site than the one for which they were specifically prepared. The architect disclaims responsibility for these plans and specifications if they are used in whole or in part at any other site.  
 The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.  
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 All drawings and written material appearing herein constitute the original and unpublished work of the Architect and the same may not be duplicated, used or disclosed without written consent of the Architect.



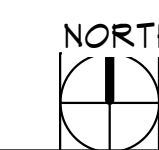
Architect: ANDY KWONG  
 Drawn By: KREYES / EC  
 Revisions:

NO.	Date	Description
1	3/3/23	FC COMMENTS
	12/20/22	PLAN SUBMISSION

Job No.: 22031  
 Date: JULY 2022

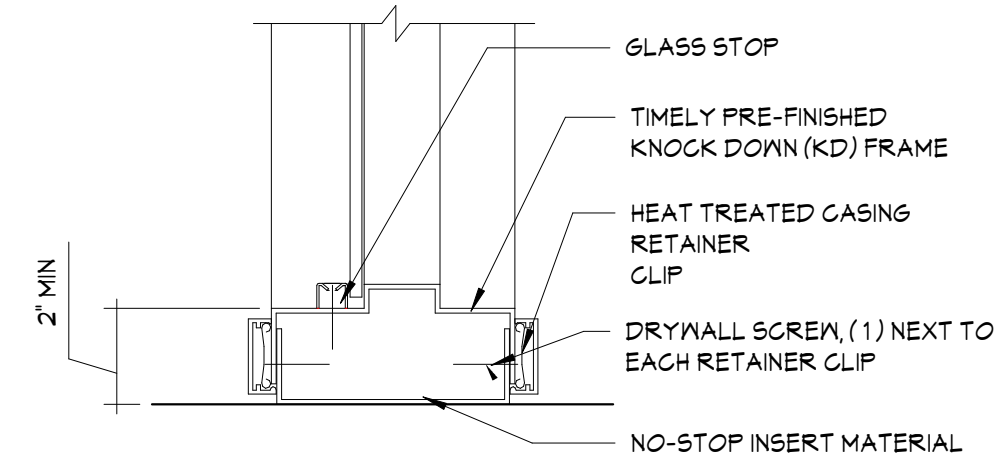
**REFLECTED CEILING PLAN**

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

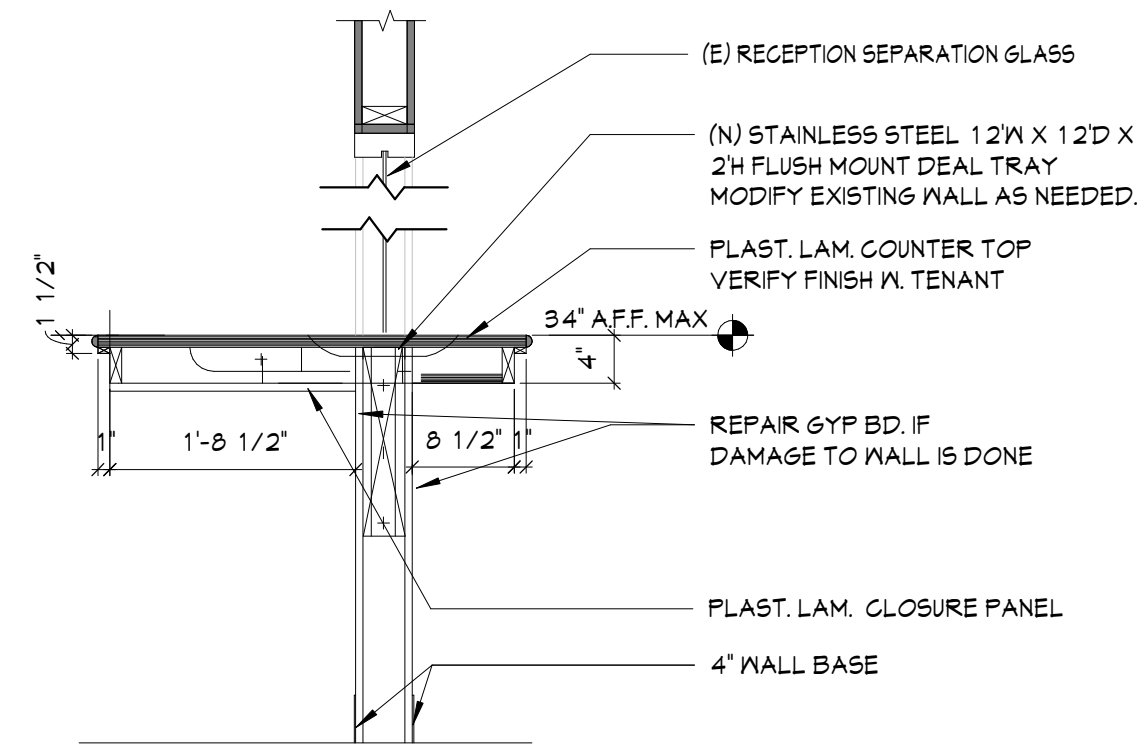


**A6.1**

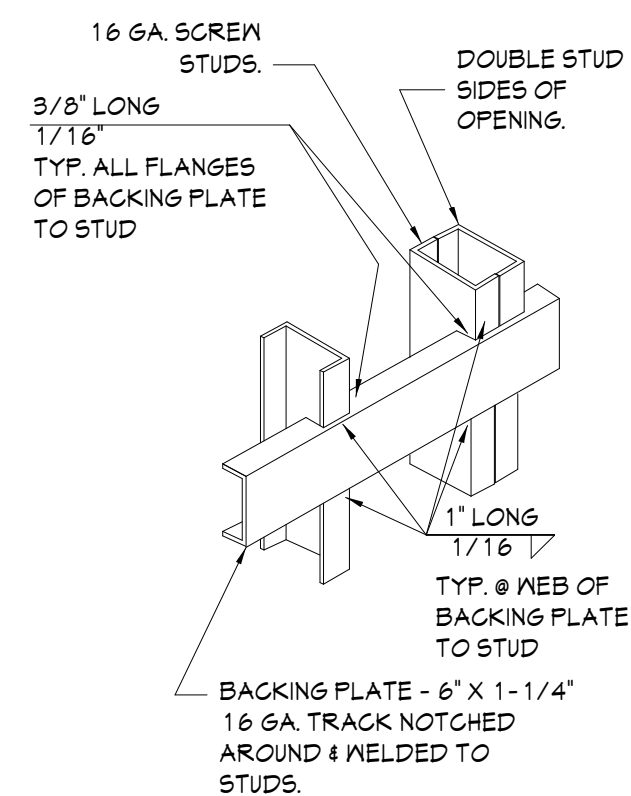
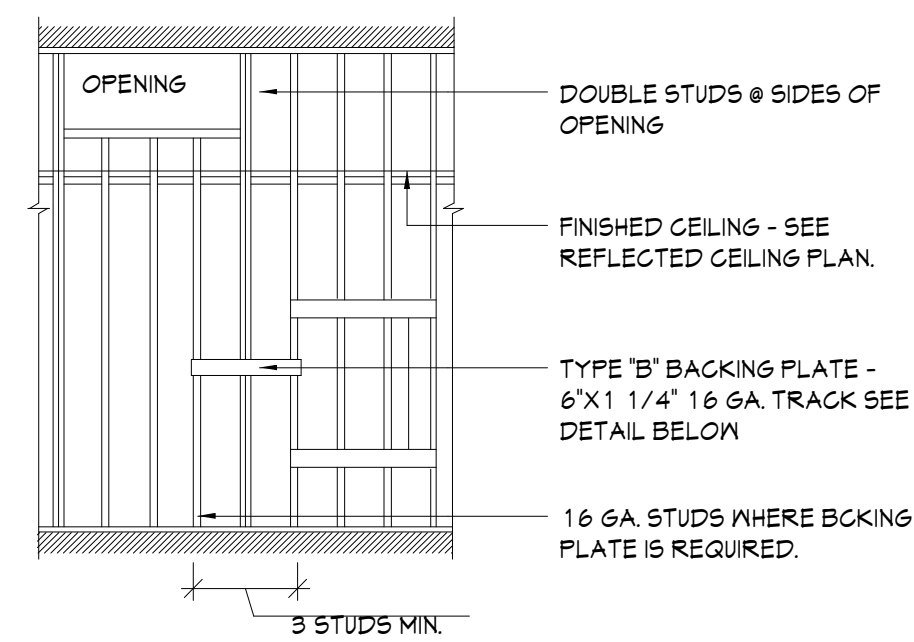




**12 WINDOW SILL**  
SCALE: 3" = 1'-0"

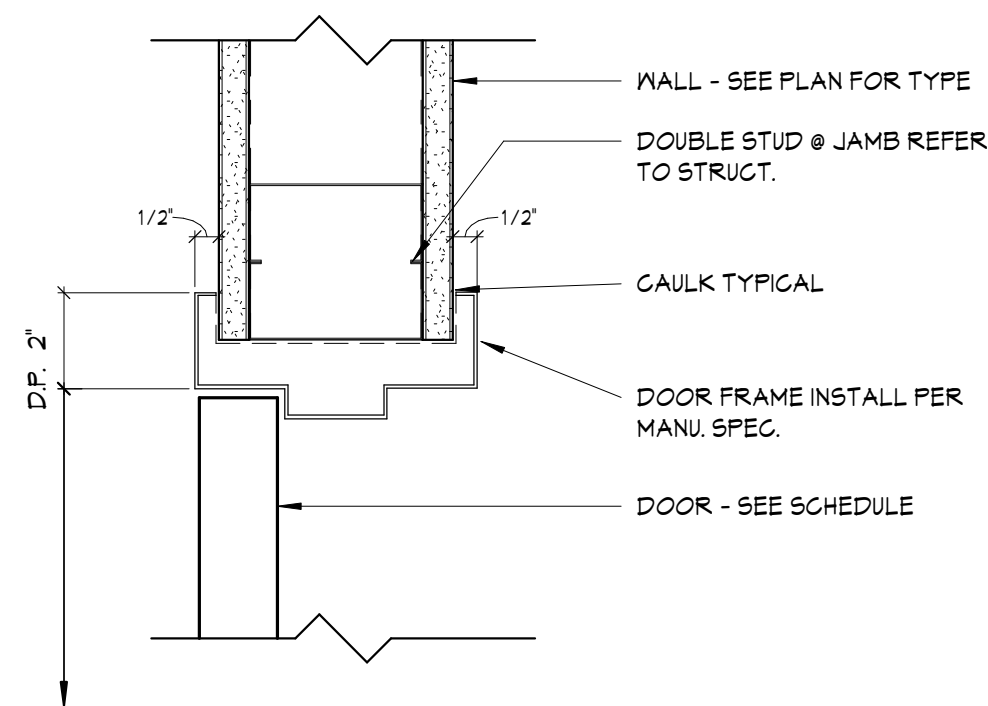


**13 RECEPTION COUNTER**  
SCALE: 3/4" = 1'-0"

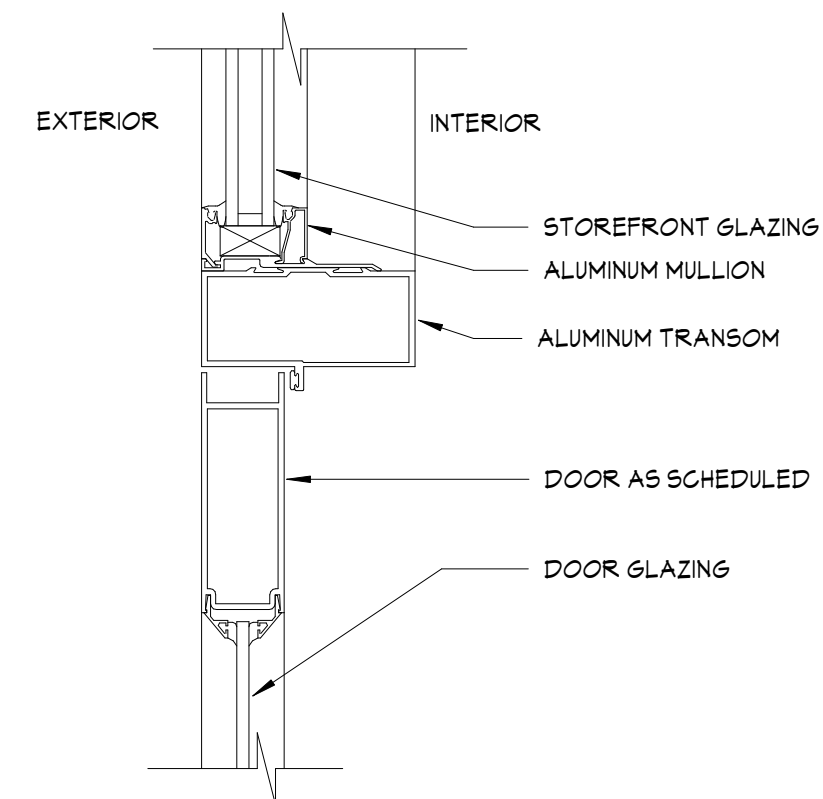


**14 BACKING PLATE**  
SCALE: 1/2" = 1'-0"

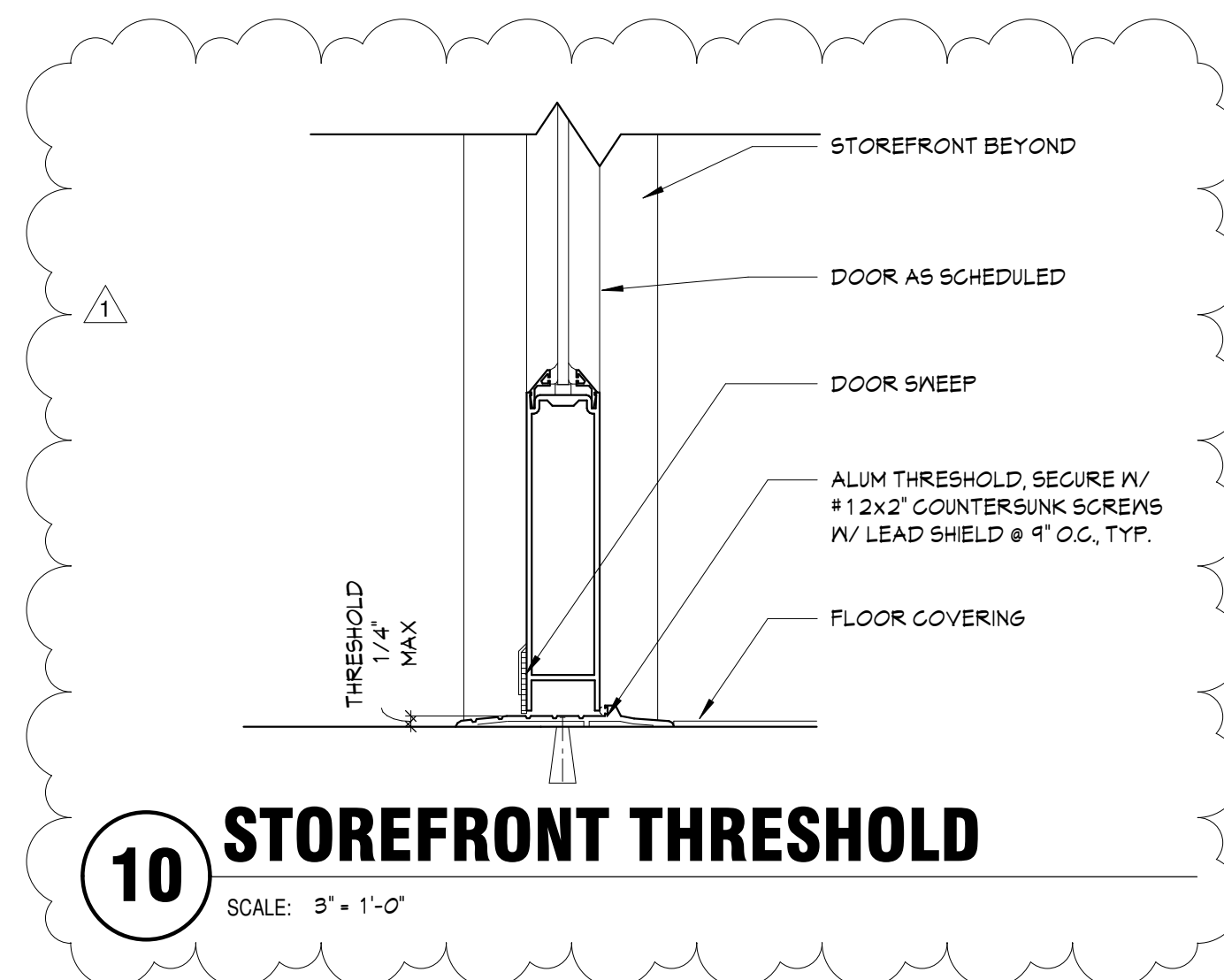
- NOTES:
1. TYPE 'B' BACKING PLATE FOR UPPER WALL HUNG CABINETS (UP TO 2 SHELVES), BASE CABINETS, FULL HEIGHT CABINETS, FILM VIEWING COUNTERS, WALL HUNG BENCHES, HANDRAILS, GUARDRAILS, WALL HUNG EQUIPMENT, URINALS, ETC. MAXIMUM WEIGHT - 100 POUNDS/FOOT
  2. SEE SPECIFICATIONS FOR STUD GAUGE
  3. VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH MANUFACTURER OF ITEMS IN NOTE 1.
  4. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
  5. WALL STUD FLANGES ARE CONTINUOUS.
  6. FOR GRAB BAR BACKING PLATE SEE DETAIL 4/A.1



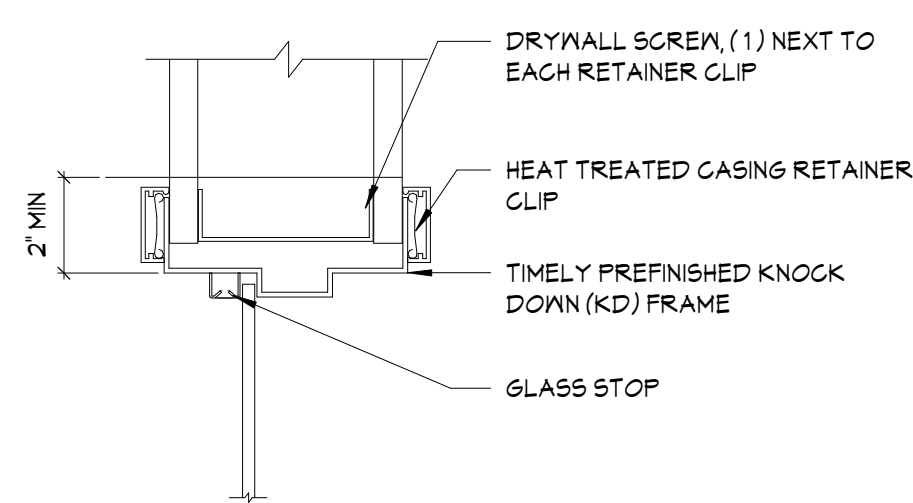
**8 DOOR JAMB**  
SCALE: 3" = 1'-0"



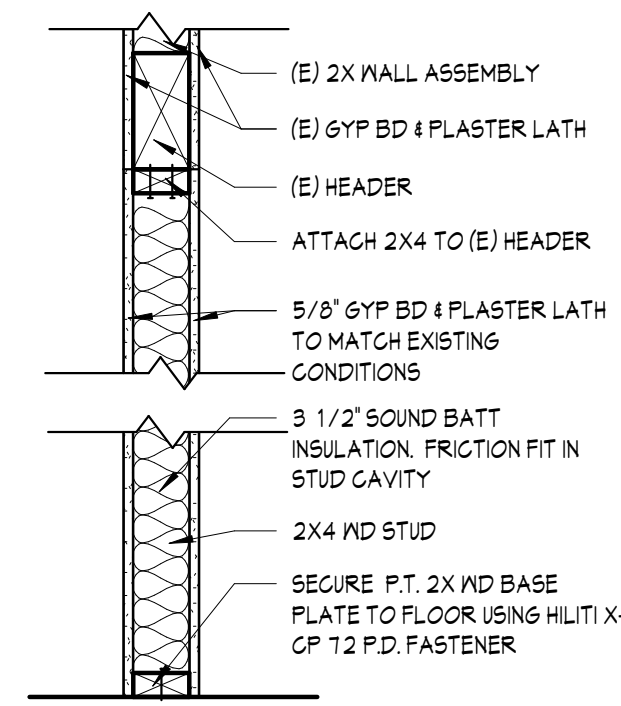
**9 STOREFRONT HEADER/JAMB**  
SCALE: 3" = 1'-0"



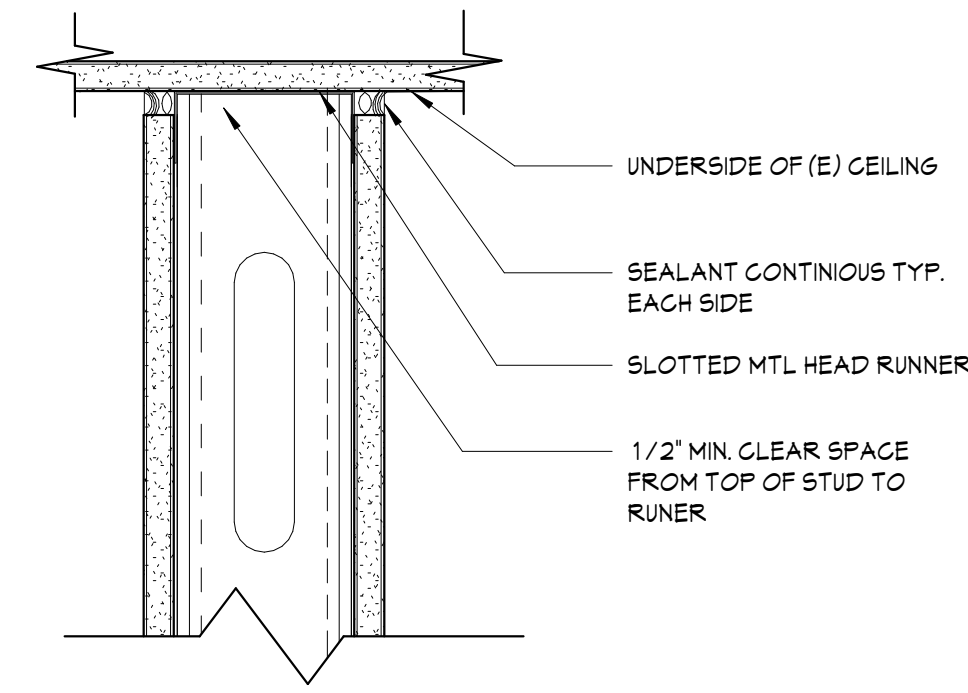
**10 STOREFRONT THRESHOLD**  
SCALE: 3" = 1'-0"



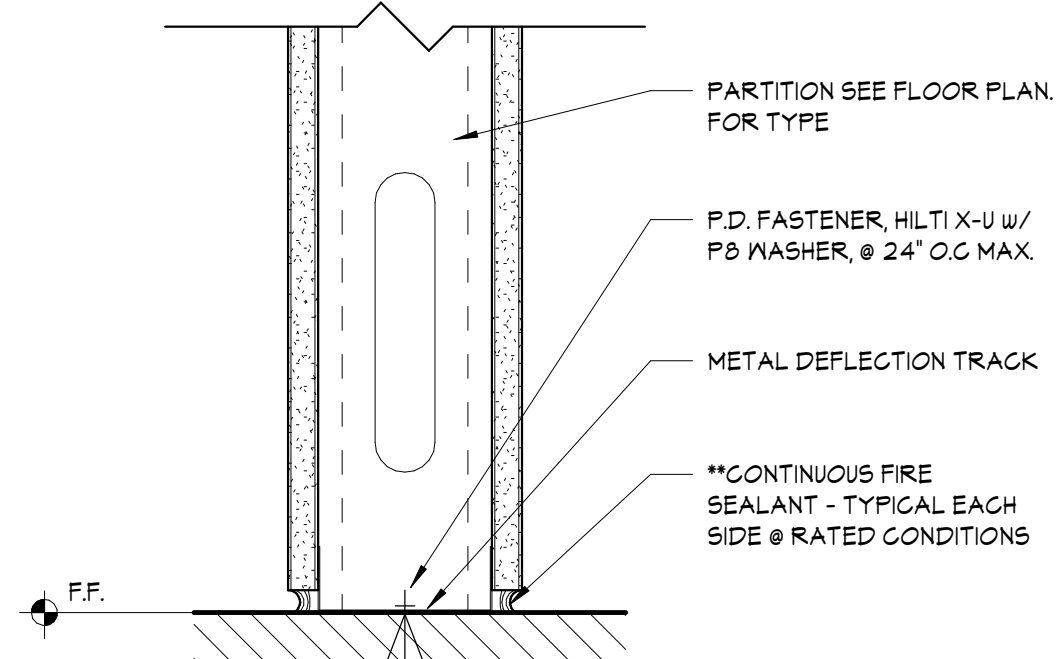
**11 WINDOW HEAD**  
SCALE: 3" = 1'-0"



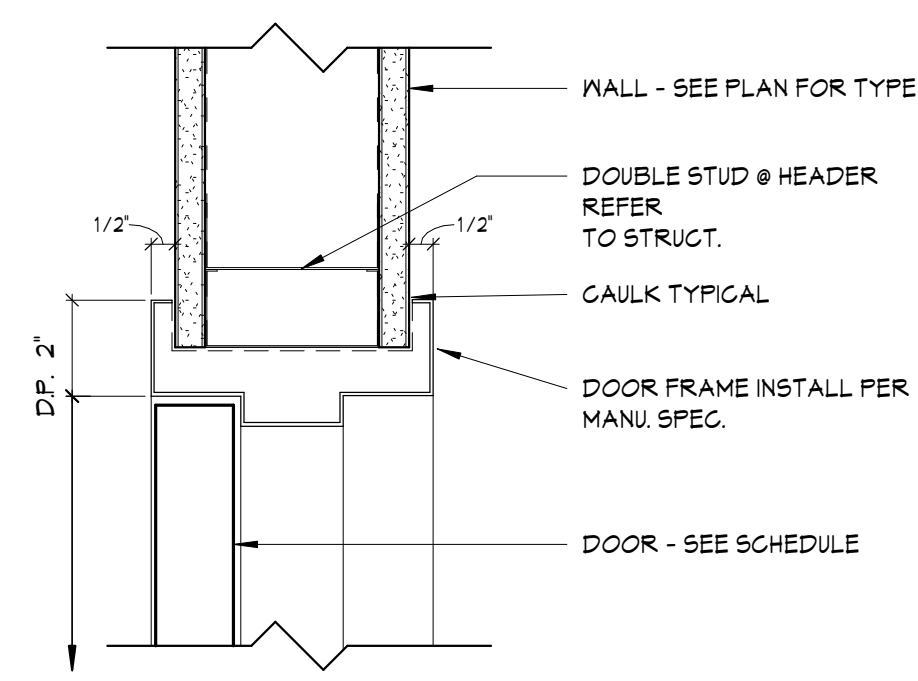
**4 INFILL (E) OPENING**  
SCALE: 1" = 1'-0"



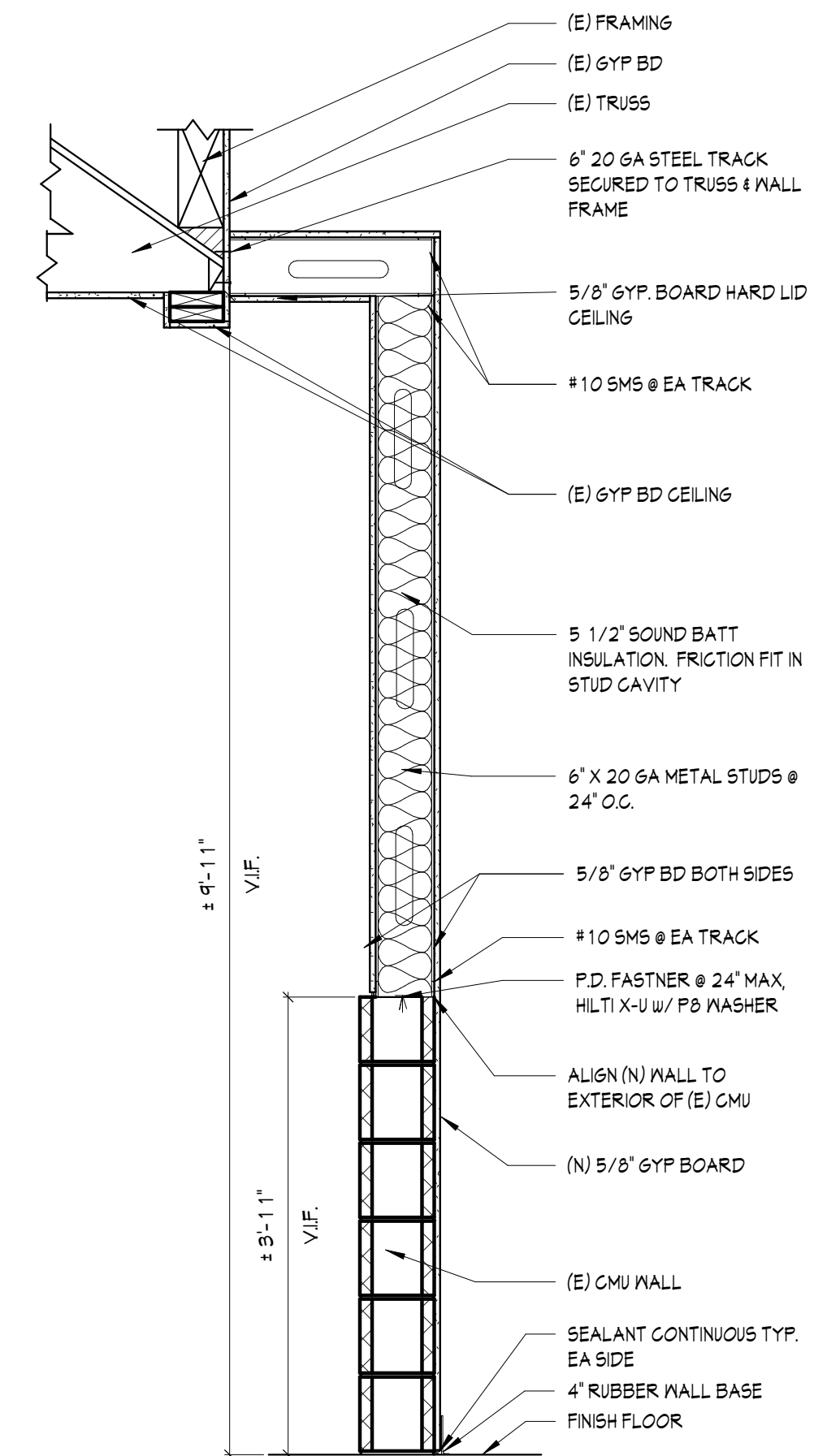
**5 PARTITION @ DECK**  
SCALE: 3" = 1'-0"



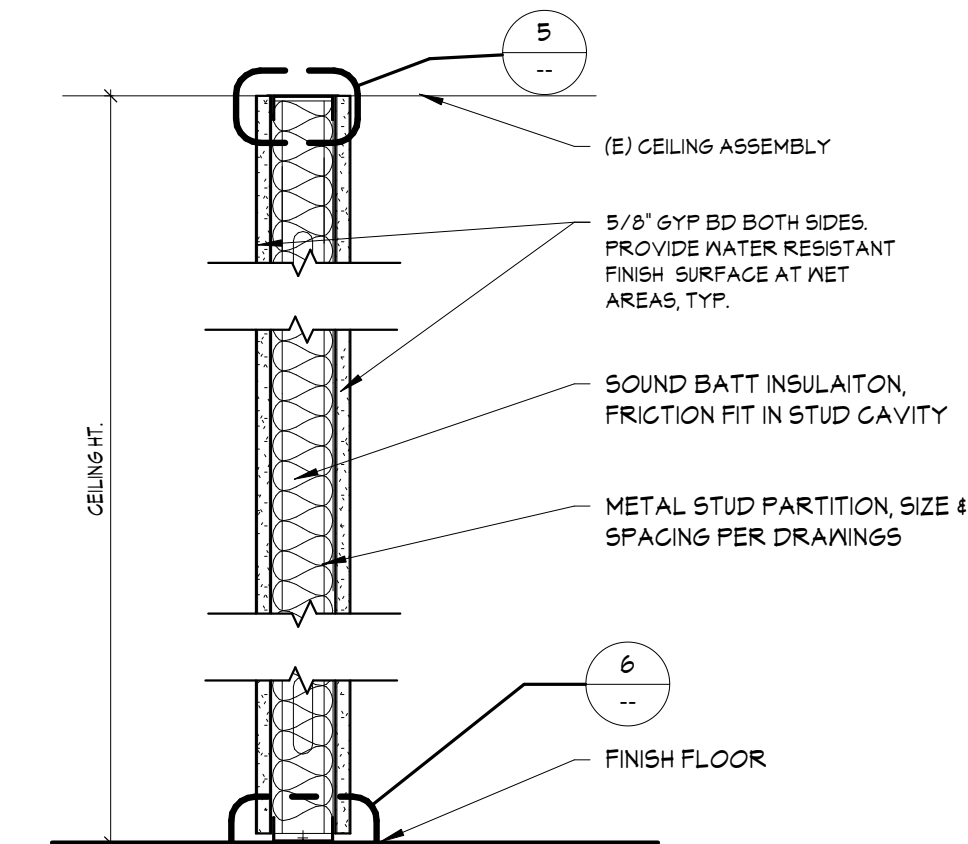
**6 DETAIL AT SILL**  
SCALE: 3" = 1'-0"



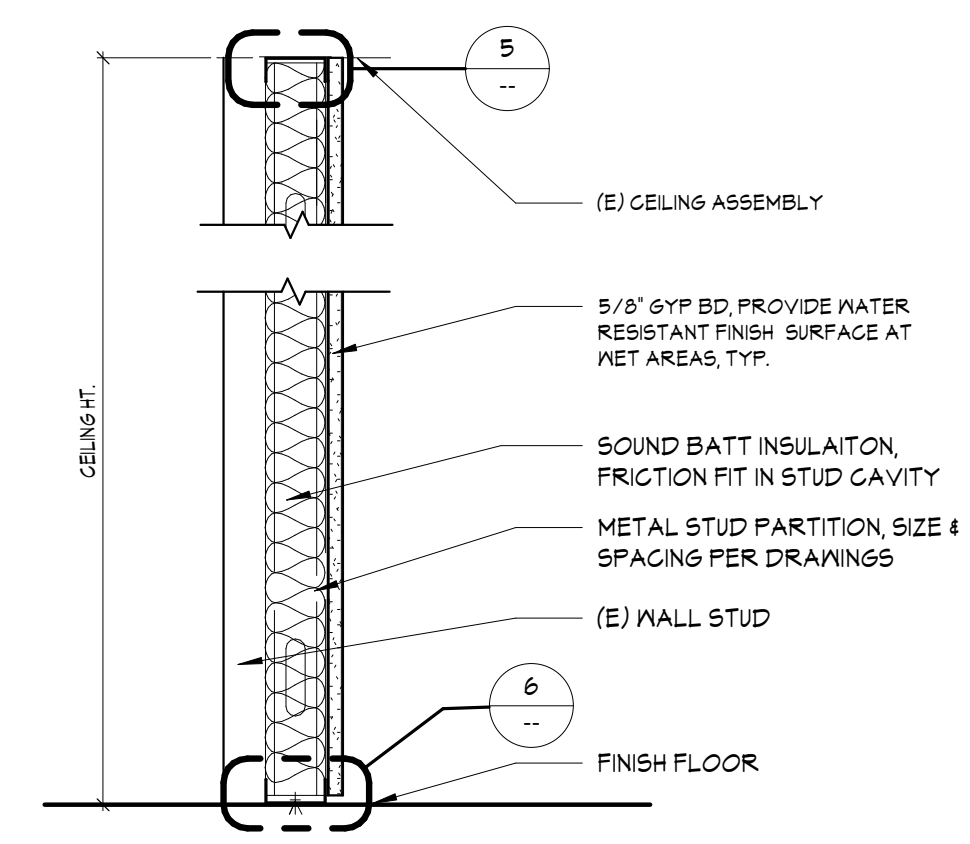
**7 DOOR HEADER**  
SCALE: 3" = 1'-0"



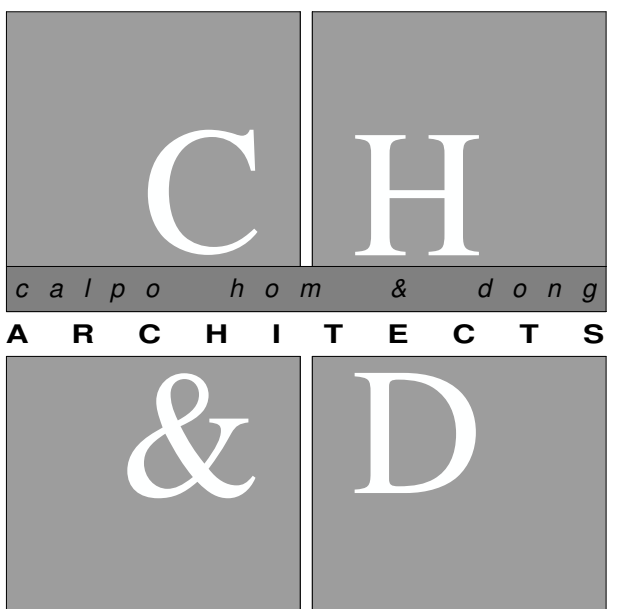
**1 INFILL WALL OVER CMU**  
SCALE: 3/4" = 1'-0"



**2 CEILING HEIGHT WALL**  
SCALE: 1 1/2" = 1'-0"



**3 FURRING WALL**  
SCALE: 1 1/2" = 1'-0"



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Cons U.S. REVIEWED FOR CODE COMPLIANCE BY: WILLDAN ENGINEERING

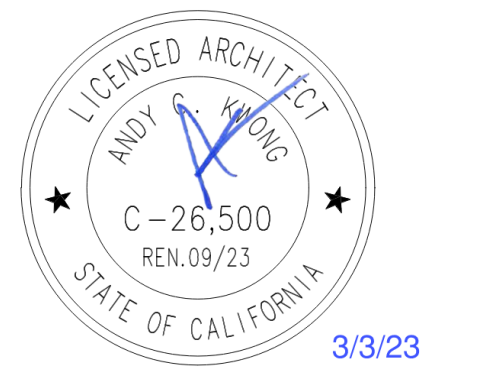
Project 2:29:00 PM Mar 11, 2023

**JANE HAHN ADA IMPROVEMENTS**

**306 N. VILLA AVE., WILLOWS, CA 95988**

Sheet Title  
**DETAILS**

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Architect: ANDY KWONG  
Drawn By: KREYES/EC

Revisions	NO.	Date	Description
1	3/3/23	FC COMMENTS	
	12/20/22	PLAN SUBMISSION	
Job No.	22031		
Date:	JULY 2022		



# Mechanical Legend

- LINED SUPPLY AIR PLENUM/DROP FROM HVAC UNIT  
- SIZE AS NOTED.
- LINED RETURN AIR PLENUM/DROP FROM HVAC UNIT  
- SIZE AS NOTED.
- 24"x24"/12"x12" SQUARE CEILING SUPPLY DIFFUSER  
- AIRFLOW AND COLLAR SIZE NOTED.
- 24"x24"/12"x12" SQUARE CEILING SUPPLY DIFFUSER WITH INTEGRAL VOLUME DAMPER  
- AIRFLOW AND COLLAR SIZE NOTED.
- 24"x24"/12"x12" SQUARE CEILING SUPPLY DIFFUSER WITH INTEGRAL VOLUME AND FIRE-SMOKE DAMPER  
- AIRFLOW AND COLLAR SIZE NOTED.
- RECTANGULAR CEILING SUPPLY DIFFUSER WITH INTEGRAL VOLUME DAMPER  
- AIRFLOW AND SIZE AS NOTED.
- ROUND CEILING DIFFUSER WITH INTEGRAL VOLUME DAMPER  
- AIRFLOW AND COLLAR SIZE NOTED.
- 24"x24"/12"x12" SQUARE CEILING RETURN GRILLE  
- AIRFLOW AND COLLAR SIZE NOTED.
- 24"x24"/12"x12" SQUARE CEILING RETURN GRILLE WITH FIRE-SMOKE DAMPER  
- AIRFLOW AND COLLAR SIZE NOTED.
- WALL MOUNTED SUPPLY GRILLE (SG)  
- SIZE AND AIRFLOW AS DENOTED.
- WALL MOUNTED SUPPLY GRILLE (SG)  
- SIZE AND AIRFLOW AS DENOTED.  
- WITH INTEGRAL VOLUME DAMPER.
- WALL MOUNTED RETURN GRILLE (RG)  
- SIZE AND AIRFLOW AS DENOTED.
- CEILING EXHAUST FAN - SIZE AND VOLUME AS PER EQUIPMENT SCHEDULE (AND DENOTED).
- RUSKIN (OR EQUAL) NO. "M"(RS)25" MANUAL VOLUME DAMPER - SIZE & SHAPE TO MATCH DUCT.
- 7-DAY PROGRAMMABLE SET-BACK THERMOSTAT W/ LOCK-BOX, SET @ +60° A.F.F. (SEALED) @ +48° A.F.F. (NOT SEALED).
- VARIABLE VOLUME ZONE CONTROLLER THERMOSTAT W/ LOCK-BOX.
- DUCT SMOKE DETECTOR  
- PER 2019 CMC Section 608.1
- DUCT ELBOW WITH TURNING VANES.  
- SIZE NOTED.
- WT ZONE DAMPER  
- SIZE NOTED.
- FAMFLEX (OR EQUAL) TYPE "C" 30 CLASS 1 FLEXIBLE DUCT  
- SIZE NOTED.
- LINED GALVANIZED SHEET METAL DUCT OR RIGID FIBERGLASS DUCT BOARD.
- GALVANIZED STEEL RIGID DUCT  
- SIZE NOTED.

- DUCT NOTES:**
- RIGID DUCT GAUGE AS PER 2019 CMC Section 602.0.
  - INSULATE DUCTWORK AS PER 2019 CMC Section 604.0.
  - SUPPORT DUCTS HORIZONTALLY AND VERTICALLY AS PER 2019 CMC Section 603.8.
  - APPROVED DUCT LINING MATERIALS INSTALLED WITHIN DUCTS TO HAVE A MOULDED, HUMIDITY AND EROSION RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF CMC Sec. 6-1 and 2019 CMC 604.1.1 & 604.1.2.
  - INSULATION MATERIALS APPLIED TO THE EXTERIOR OF DUCTS LOCATED IN THE BUILDING TO HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED INDEX NOT TO EXCEED 50, WHERE TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723 PER 2019 CMC 604.1.2.
  - FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF UL 181 PER 2019 CMC Section 602.6.

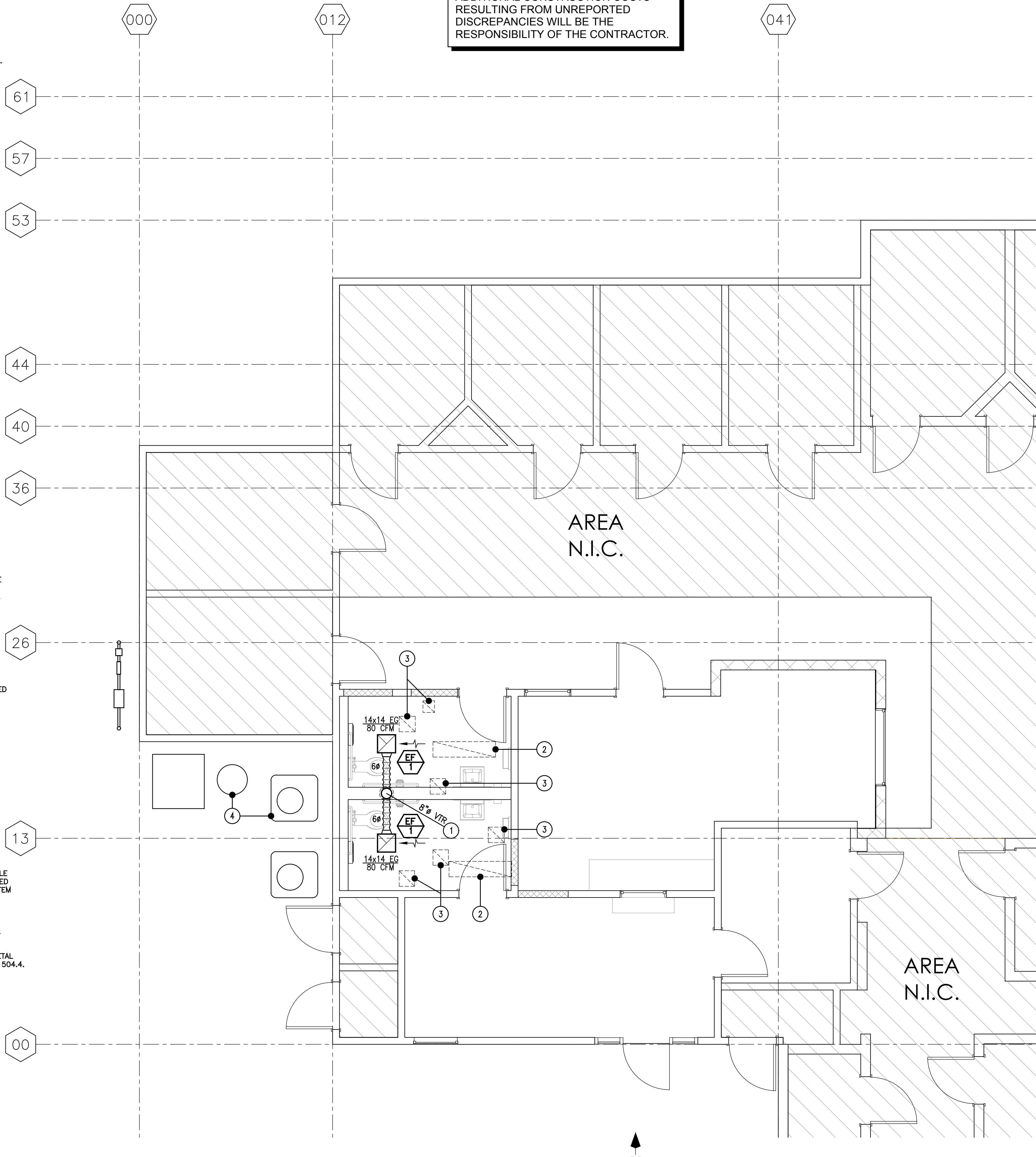
# Ductwork Legend

- (EXISTING) RIGID & FLEXIBLE DUCTWORK TO REMAIN UNCHANGED  
- FIELD VERIFY SIZE AND LAYOUT
- (NEW/ALTERD) RIGID & FLEXIBLE DUCTWORK PER PLAN AS SHOWN.

# Mechanical General Notes

- ALL WORK SHALL BE EQUAL OR SUPERIOR TO THAT REQUIRED BY APPLICABLE CODES:
  - 2019 California Building Code | Part 2.1, 2.2 & 2.5
  - 2019 California Electrical Code | Part 3
  - 2019 California Mechanical Code | Part 4
  - 2019 California Plumbing Code | Part 5
  - 2019 California Energy Code (Title 24) | Part 6
  - 2019 California Fire Code | Part 9
  - 2019 California Green Building Standards | Part 11
  - Adopted NFPA Manuals
  - SMACNA Standards for Ductwork, Materials & Installation
  - CONFLICTS SHALL BE BROUGHT TO THE DESIGNER'S ATTENTION FOR CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.
- CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF HIS WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN REVIEWED AND/OR TESTS WITNESSED BY OWNERS REPRESENTATIVE AND BY GOVERNMENT AUTHORITIES HAVING JURISDICTION OVER HIS/HER WORK.
- EXAMINE THE SITE AND PREMISES PRIOR TO BIDDING TO DETERMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE WILL BE MADE FOR EXTRA EXPENSE INCURRED DUE TO FAILURE TO EXAMINE THE PREMISES OR TO DISCOVER SITE CONDITIONS WHICH AFFECT THE WORK.
- UPON COMPLETION OF THE WORK, AND AS PRECEDENT TO FINAL PAYMENT, THE SUBCONTRACTOR SHALL DELIVER TO THE OWNER'S REPRESENTATIVE, ORIGINALS OF ALL DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED. THE SUBCONTRACTOR SHALL ALSO DELIVER TO THE OWNER'S REPRESENTATIVE ONE (1) COMPLETE SET OF REPRODUCIBLE DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED.
- AT THE COMPLETION OF THE WORK, CLEAN AND RID THE PROJECT AND THE SURROUNDING AREAS OF ALL DEBRIS, SCRAP AND MATERIALS RELATED TO HIS/HER WORK. SHOULD THE GENERAL CONTRACTOR BE REQUIRED TO CLEAN MECHANICAL CONTRACTOR'S DEBRIS AND MATERIAL, THE MECHANICAL CONTRACTOR MAY BE CHARGED FOR THIS SERVICE.
- ALL MATERIALS SHALL BE NEW AND IN PERFECT CONDITION, EXCEPT AS NOTED OTHERWISE.
- THERMOSTATS SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR, OR AS NOTED ON PLAN. ALL THERMOSTATS SHALL HAVE CLEAR PLASTIC OR BLANK LOCKING COVERS OR A MINIMUM OF 8 WIRES BETWEEN UNIT AND THERMOSTAT TO ALLOW FOR FUTURE.
- GENERAL BUILDING EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL OR ALUMINUM FLEX DUCTWORK. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS AND RELIEF VENTS.
- ALL RIGID SUPPLY AND RETURN AIR DUCTWORK FROM UNITS SHALL BE LINED GALVANIZED SHEET METAL OR RIGID FIBERGLASS DUCT BOARD. LINING SHALL BE MINIMUM OF 1" THICK (1-1/2" WHEN OUTDOORS), ATTACHED WITH ADHESIVE AND GRIP-NAIL MECHANICAL FASTENERS. DUCTWORK INSULATION SHALL SATISFY THE REQUIREMENTS OF CHAPTER 6, SECTION 604 OF CALIFORNIA MECHANICAL CODE. FIBERGLASS DUCT BOARD SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - DUCT SIZES SHOWN WITH LINED DUCT IS THE INSIDE DIMENSION.
  - DUCT SIZES SHOWN AS ROUND DUCT IS THE INSIDE DIMENSION.
  - PAINT INSIDE OF DUCTS VISIBLE THROUGH GRILLE FLAT BLACK.
  - ALL RIGID DUCTWORK IN NON-CONDITIONED SPACES SHALL HAVE A MINIMUM R-8 DUCT INSULATION (OR PER TITLE 24).
- ALL RIGID DUCTWORK SHALL BE SEALED AIR TIGHT WITH 6 OUNCE CANVAS SOAKED IN AEROBAL OR 4" HARDCAST TAPE. NO DUCT TAPE IS APPROVED FOR RIGID DUCT USE.
- FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL NOT BE MORE THAN FIVE (5) FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS PER 2019 CMC Section 603.4.1.
  - EXCEPTION: RESIDENTIAL OCCUPANCIES
  - FLEXIBLE AIR DUCTS AND CONNECTIONS SHALL COMPLY WITH UL 181 AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND "SMACNA HVAC Duct Construction Standards - Metal and Flexible." FLEXIBLE AIR CONNECTOR LENGTHS SHALL NOT BE MORE THAN FIVE (5) FEET AND SHALL NOT PENETRATE A WALL, FLOOR OR CEILING PER 2019 CMC Section 603.5.
- VOLUME DAMPERS SHALL BE PROVIDED AT ALL SUPPLY AIR BRANCH TAKEOFFS UNLESS OPPOSED-BLADE-DAMPERS (OBD) ARE SPECIFIED ON THE PLANS.
- ALL RECTANGULAR DUCTWORK ELBOWS SHALL BE PROVIDED WITH TURNING VANES.
- SUBMIT TWO SETS OF OPERATION AND MAINTENANCE MANUALS AND AS-BUILT PLANS TO OWNER'S REPRESENTATIVE AT COMPLETION OF PROJECT.
- CONTRACTOR WILL RETURN ALL WARRANTY CARDS TO APPLICABLE MANUFACTURER AND WILL LEAVE ONE (1) COPY OF INSTALLATION AND SERVICE INSTRUCTIONS FOR ALL EQUIPMENT WITH THE OWNER.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- CONTRACTOR SHALL AIR BALANCE THE SUPPLY AND RETURN AIR SYSTEMS AS SHOWN ON PLANS AS REQUIRED BY ALL LOCAL CODES AND REGULATIONS.
- CONNECTIONS BETWEEN METAL DUCTS AND THE INNER CORE OF FLEXIBLE DUCTS SHALL BE MECHANICALLY FASTENED. OPENINGS SHALL BE SEALED WITH MASTIC, TAPE, AEROSOL SEALANT, OR OTHER DUCT-CLOSURE SYSTEM THAT MEETS THE APPLICABLE REQUIREMENTS OF UL 181, UL 181A, OR UL 181B AS PER CEC Energy Efficiency Standards, Section 124.(g).
- PRIOR TO THE ISSUANCE OF A "CERTIFICATE OF OCCUPANCY" FOR THE BUILDING, OUTSIDE AIR CERTIFICATION OR SYSTEM AIR BALANCING SHALL BE COMPLETED AND DOCUMENTED PER 2019 CEC Section 120.5.
- DOMESTIC CLOTHES DRYER MOISTURE EXHAUST DUCTS SHALL BE OF METAL AND SHALL HAVE SMOOTH INTERIOR SURFACES PER 2019 CMC Section 504.4.

**FIELD VERIFY**  
FIELD VERIFY EXISTING SITE/PROJECT CONDITIONS PRIOR TO CONSTRUCTION - REPORT ALL DISCREPANCIES WITH THESE PLANS TO THE DESIGN ENGINEER FOR CLARIFICATION AND/OR REVISION. ADDITIONAL CONSTRUCTION COSTS RESULTING FROM UNREPORTED DISCREPANCIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



# Mechanical Plan

1/4" = 1'-0"

# Keynotes

- (NEW) 8" VENT-THRU-ROOF (VTR) FOR EXHAUST FANS - TERMINATE WITH G.I. WEATHERHOOD AND BUGSCREEN - PAINT TO MATCH ROOF - OFFSET TERMINATION AS REQUIRED TO AVOID EXISTING SOLAR PV PANEL (FIELD VERIFY).
- (EXISTING) LIGHT FIXTURE TO BE REMOVED - SHOWN FOR REFERENCE ONLY - COORDINATE WITH ELECTRICAL DRAWINGS FOR NEW LIGHTING LAYOUT AND SPECIFICATIONS.
- (EXISTING) CEILING FEATURES:
  - HVAC SUPPLY DIFFUSER TO REMAIN UNCHANGED.
  - CEILING EXHAUST FAN TO BE REPLACED PER PLAN\*
  - CEILING ALARM TO REMAIN UNCHANGED.
  - CEILING SPEAKER TO BE REMOVED\*
 \*SEAL AND REFINISH CEILING WHERE EXISTING COMPONENT WAS REMOVED. - FIELD VERIFY ALL COMPONENTS.
- (EXISTING) OUTDOOR MECHANICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.

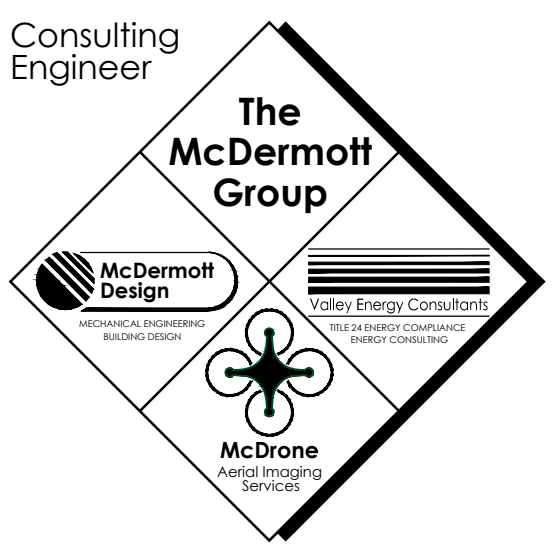
REVIEWED FOR CODE COMPLIANCE BY:  
**WILLIAM ENGINEERING**  
Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws or ordinances. One set of approved plans must be kept on the job until completion.  
2:29:01 PM Mar 11, 2023

# Equipment Schedule

- EF 1** (NEW) AIRKING Model E80S CEILING EXHAUST FAN  
EXHAUST: 110 CFM @ 0.10" SP  
SONES: <0.3  
115V/1ph/60Hz 37.0 Watts | 0.3 Amps  
- PROVIDE MANUAL WITH INTEGRAL OCCUPANCY SENSOR  
\*SET DELAY-OFF TO 20 MINUTES.

# Plan Notes

- APPLICABLE CODES:
  - 2019 California Building Code | Part 2.1
  - 2019 California Building Code | Part 2.2
  - 2019 California Residential Code | Part 2.5
  - 2019 California Electrical Code | Part 3
  - 2019 California Mechanical Code | Part 4
  - 2019 California Plumbing Code | Part 5
  - 2019 California Energy Code (Title 24) | Part 6
  - 2019 California Fire Code | Part 9
  - 2019 California Green Building Standards | Part 11
- DESIGN MECHANICAL EQUIPMENT CONNECTIONS FOR SEISMIC FORCES PER 2019 CMC Section 303.5 and ASCE 7 Table 13.6-1.
- PROVIDE BACK DRAFT DAMPERS FOR ALL CEILING-MOUNTED EXHAUST FANS PER 2019 CMC Section 504.1.1.
- ALL EXHAUST SYSTEMS TERMINATING TO THE OUTDOORS SHALL BE COVERED WITH A CORROSION-RESISTANT SCREEN HAVING NOT LESS THAN 1/4" OPENINGS, AND SHALL HAVE NOT MORE THAN 1/2" OPENINGS PER 2019 CMC Section 502.1. - EXCEPTION: CLOTHES DRYERS.
- ENVIRONMENTAL AIR DUCT EXHAUST SHALL TERMINATE A MINIMUM OF THREE (3) FEET FROM PROPERTY LINE, TEN (10) FEET FROM FORCED-AIR INLET AND THREE (3) FEET FROM OPENINGS INTO THE BUILDING PER 2019 CMC Section 502.2.1.
- FLEXIBLE AIR DUCTS AND CONNECTORS SHALL COMPLY WITH UL 181 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND "SMACNA HVAC Duct Construction Standards - Metal and Flexible." FLEXIBLE AIR CONNECTOR LENGTHS SHALL NOT BE MORE THAN FIVE (5) FEET AND SHALL NOT PENETRATE A WALL, FLOOR OR CEILING PER 2019 CMC Section 603.5.



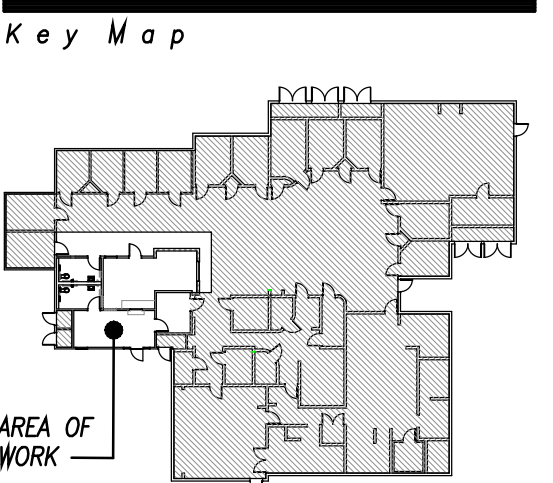
THE McDermOTT GROUP  
2201 FRANCISCO DRIVE, SUITE 140-451  
EL DORADO HILLS, CA 95762  
PHONE: (916) 933-6791



Project  
**JANE HAHN ADA IMPROVEMENTS**

306 N. VILLA AVE., WILLOWS, CA 95988

MECHANICAL PLAN



NO.	DATE	DESCRIPTION
1	02/06/22	PLAN REVIEW #1
2	07/25/22	CONCEPTUAL DESIGN
3	07/19/22	CONCEPTUAL DESIGN

Architect: [Blank]  
Drawn By: MPM

Job No.: McD\_22029  
Date: NOVEMBER 03, 2022



# Plumbing Legend

SYMBOL	ABRV.	DESCRIPTION
---	CW	COLD WATER LINE
---	HW	HOT WATER LINE
---	V	VENT LINE/BRANCH
---	VTR	VENT-THRU-ROOF
---	SS	SANITARY SEWER LINE
---	D	DRAIN LINE-LABELED ON PLANS
---	CD	CONDENSATE DRAIN
---	RS/RL	REFRIGERATION SUCTION & LIQUID LINE(S)
---	G	GAS LINE
---	FCO	FLOOR CLEAN-OUT
---	COTG	CLEAN-OUT TO GRADE
---	FCO	FLOOR CLEAN-OUT
---	COTG	CLEAN-OUT TO GRADE
---	WCO	WALL CLEAN-OUT
---	GV	GATE VALVE
---	SOV	SHUT-OFF VALVE
---	GV	GV/SOV IN GROUND SERVICE BOX WITH COVER
---	CV	CHECK VALVE (ONE-WAY)
---	GV/SOV W/ M	GV/SOV W/ METER IN GROUND SERVICE BOX WITH COVER
---	M	METER - TYPE PER PLAN
---	GV	GLOBE VALVE
---	BV	BALL VALVE
---	HB	HOSE BIB W/ VACUUM BREAKER
---	---	PLUMBING LINE DROP
---	---	PLUMBING LINE RISER
---	---	"X" PLUMBING CONNECTION
---	---	"T" PLUMBING CONNECTION
---	---	"L" PLUMBING CONNECTION
---	FS	12"x12" FLOOR SINK
---	FS	8"x4" FLOOR SINK
---	FD	FLOOR DRAIN
---	TP	TRAP PRIMER VALVE
---	CP	CIRCULATING PUMP
---	WHA	WATER HAMMER ARRESTER

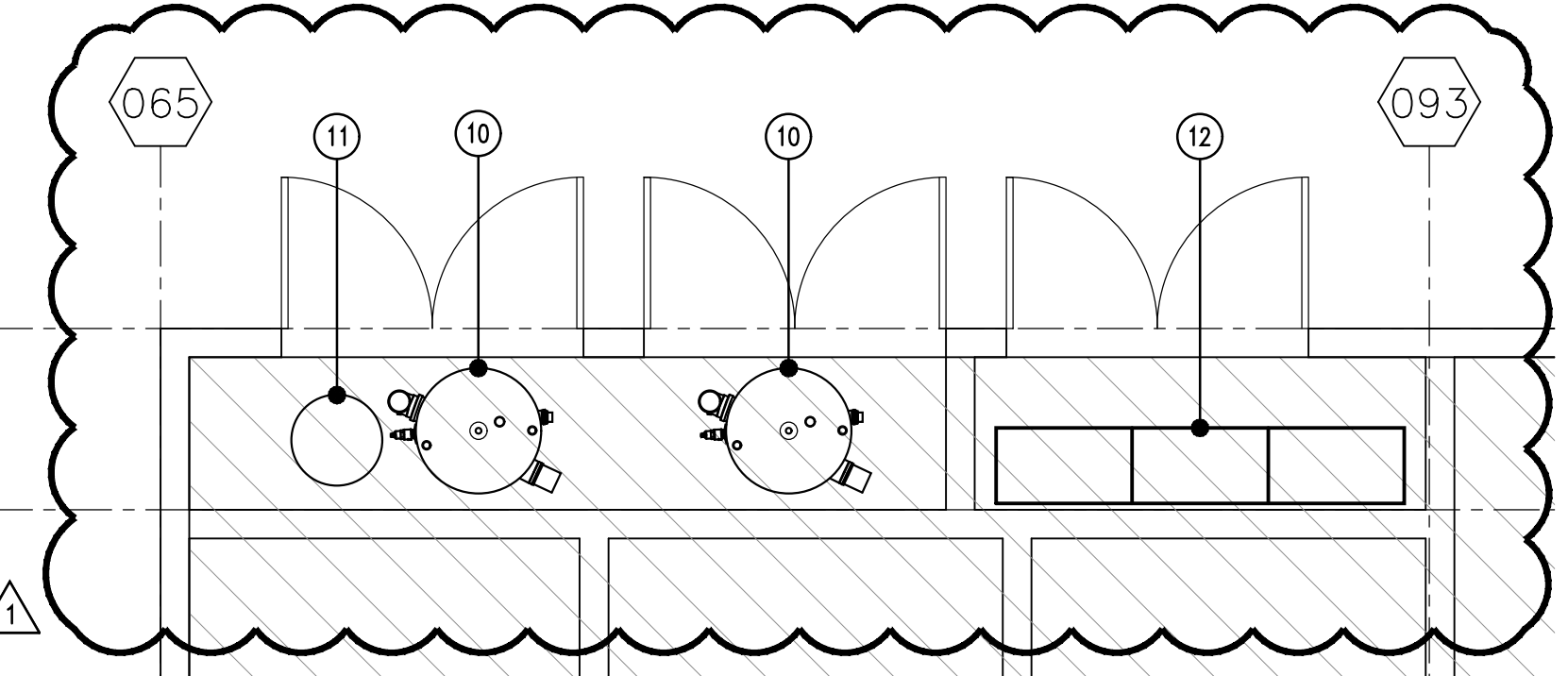
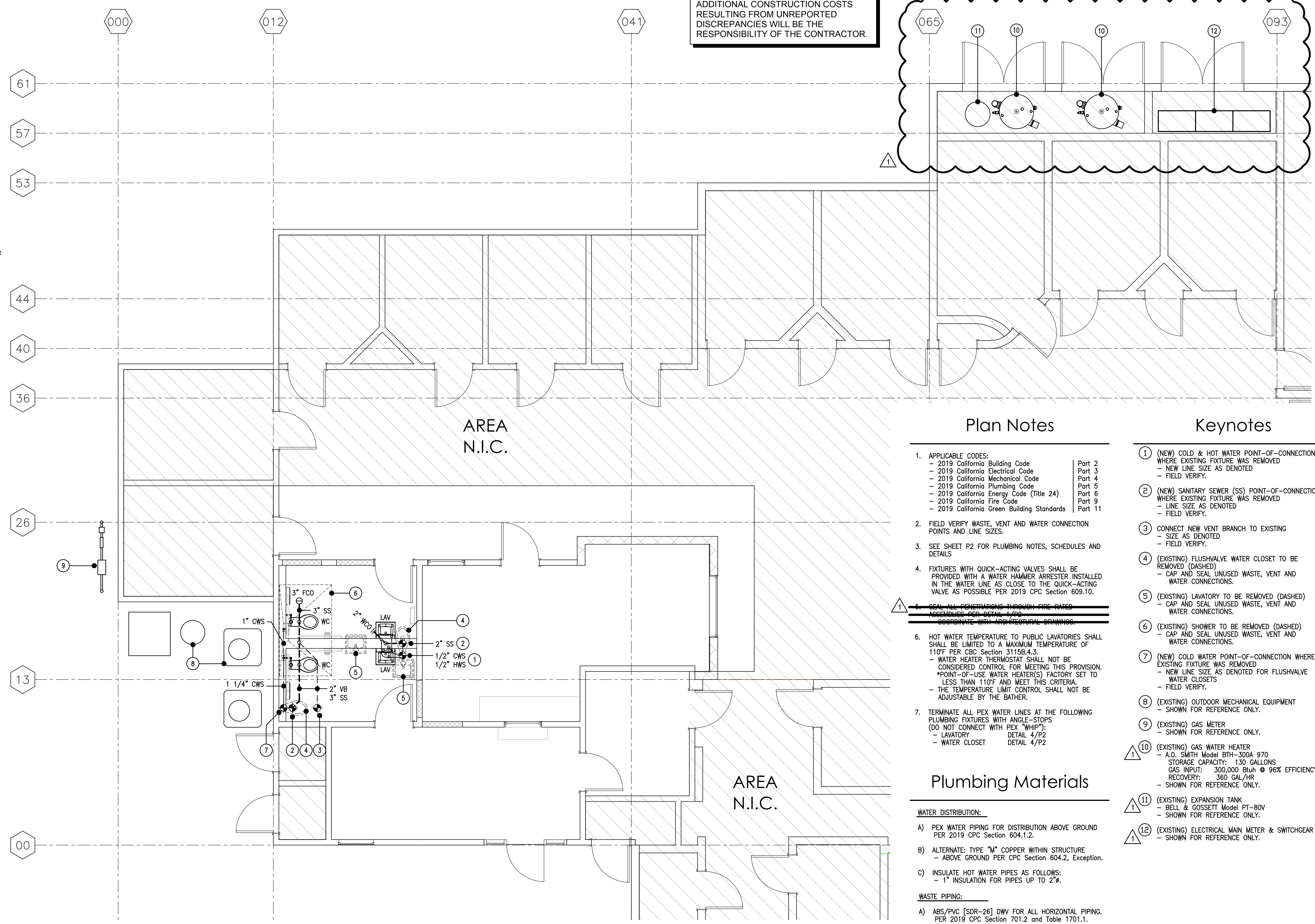
**PLUMBING GENERAL NOTES:**

- ALL COLD WATER, HOT WATER, AND CONDENSATE DRAIN LINES SHALL BE TYPE "M" COPPER UNLESS NOTED OTHERWISE (2019 CPC Section 604.3).
- ALL GAS PIPING SHALL BE STANDARD WEIGHT WROUGHT IRON OR STEEL (GALVANIZED OR BLACK) OR YELLOW BRASS (CONTAINING <75% COPPER) PER 2019 CPC Section 1208.6.
- SANITARY SEWER LINES IN AND/OR UNDER THE BUILDING STRUCTURE MAY BE CAST IRON, ABS OR PVC. ABS AND PVC WASTE & VENT LINES SHALL BE LIMITED TO RESIDENTIAL BUILDINGS NOT EXCEEDING THREE FLOORS ABOVE GRADE, OR PER LOCAL ORDINANCES. REFER TO 2019 CPC Section 701.2 FOR ADDITIONAL REQUIREMENTS.
- WASTE VENT PIPING MAY BE CAST IRON, ABS OR PVC IN AND/OR UNDER THE BUILDING STRUCTURE. ABS AND PVC WASTE & VENT LINES SHALL BE LIMITED TO RESIDENTIAL BUILDINGS NOT EXCEEDING THREE FLOORS ABOVE GRADE, OR PER LOCAL ORDINANCES. REFER TO 2019 CPC Section 903.0 FOR ADDITIONAL REQUIREMENTS.
- HORIZONTAL DRAINAGE PIPING SHALL HAVE A MINIMUM SLOPE OF 2% AS PER 2019 CPC 708.0.

## Abbreviations

ABBREVIATIONS:	
CWS	COLD WATER SUPPLY
FCWS	FILTERED COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
SS	SANITARY SEWER
SSFM	SANITARY SEWER   FORCED-MAIN
GW	GREASE WASTE
VB	VENT BRANCH
VR	VENT RISER
VTR	VENT-THRU-ROOF
U.S.	UNDER SLAB
U.G.	UNDER GROUND
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF	ABOVE FINISHED CEILING
FCO	FLOOR CLEANOUT
COTG	CLEANOUT TO GRADE
CD	CONDENSATE DRAIN
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
P.O.C.	POINT-OF-CONNECTION
TDL	TOTAL DEVELOPED LENGTH
RWL	RAINWATER LEADER
OFL	OVERTFLOW LEADER
F.U.	FIXTURE UNITS
I.E.	INVERT ELEVATION

**FIELD VERIFY**  
 FIELD VERIFY EXISTING SITE/PROJECT CONDITIONS PRIOR TO CONSTRUCTION - REPORT ALL DISCREPANCIES WITH THESE PLANS TO THE DESIGN ENGINEER FOR CLARIFICATION AND/OR REVISION. ADDITIONAL CONSTRUCTION COSTS RESULTING FROM UNREPORTED DISCREPANCIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



## Plan Notes

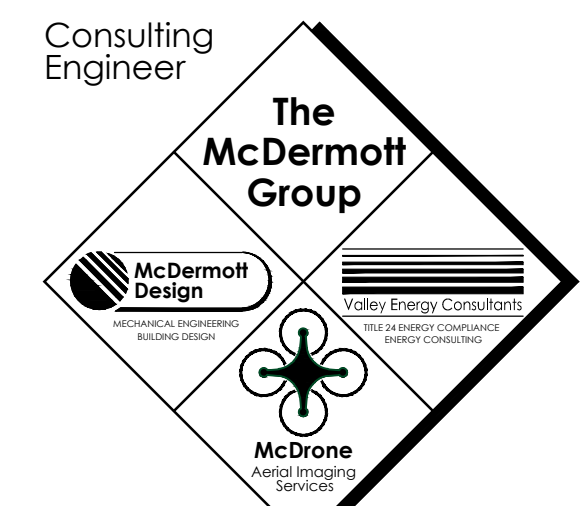
- APPLICABLE CODES:
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  - 2019 California Electrical Code
  - 2019 California Mechanical Code
  - 2019 California Plumbing Code
  - 2019 California Energy Code (Title 24)
  - 2019 California Fire Code
  - 2019 California Green Building Standards
- FIELD VERIFY WASTE, VENT AND WATER CONNECTION POINTS AND LINE SIZES.
- SEE SHEET P2 FOR PLUMBING NOTES, SCHEDULES AND DETAILS
- FIXTURES WITH QUICK-ACTING VALVES SHALL BE PROVIDED WITH A WATER HAMMER ARRESTER INSTALLED IN THE WATER LINE AS CLOSE TO THE QUICK-ACTING VALVE AS POSSIBLE PER 2019 CPC Section 609.10.
- SEAL ALL PENETRATIONS THROUGH PIRE RATED ASSEMBLIES PER DETAIL 1/P2. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- HOT WATER TEMPERATURE TO PUBLIC LAVATORIES SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 110°F PER CBC Section 3115B.4.3.
  - WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED CONTROL FOR MEETING THIS PROVISION. \*POINT-OF-USE WATER HEATER(S) FACTORY SET TO LESS THAN 110°F AND MEET THIS CRITERIA.
  - THE TEMPERATURE LIMIT CONTROL SHALL NOT BE ADJUSTABLE BY THE BATHER.
- TERMINATE ALL PEX WATER LINES AT THE FOLLOWING PLUMBING FIXTURES WITH ANGLE-STOPS (DO NOT CONNECT WITH PEX "WHIP"):
  - LAVATORY DETAIL 4/P2
  - WATER CLOSET DETAIL 4/P2

## Plumbing Materials

- WATER DISTRIBUTION:**
- PEX WATER PIPING FOR DISTRIBUTION ABOVE GROUND PER 2019 CPC Section 604.1.2.
  - ALTERNATE: TYPE "M" COPPER WITHIN STRUCTURE - ABOVE GROUND PER CPC Section 604.2, Exception.
  - INSULATE HOT WATER PIPES AS FOLLOWS:
    - 1" INSULATION FOR PIPES UP TO 2".
- WASTE PIPING:**
- ABS/PVC [SDR-26] DWV FOR ALL HORIZONTAL PIPING. PER 2019 CPC Section 701.2 and Table 1701.1.
  - ABS/PVC [SDR-26] DWV RISERS. PER 2019 CPC Section 702.1 and Table 1701.1.
  - TYPE "M" COPPER CONDENSATE PIPING.
  - TYPE "M" COPPER T&PRV PIPING.
- VENT PIPING:**
- ABS/PVC DWV RISERS AND VENT-THRU-ROOF. PER 2019 CPC Section 903.1 and Table 1701.1.

## Keynotes

- (NEW) COLD & HOT WATER POINT-OF-CONNECTION WHERE EXISTING FIXTURE WAS REMOVED - NEW LINE SIZE AS DENOTED - FIELD VERIFY.
- (NEW) SANITARY SEWER (SS) POINT-OF-CONNECTION WHERE EXISTING FIXTURE WAS REMOVED - LINE SIZE AS DENOTED - FIELD VERIFY.
- CONNECT NEW VENT BRANCH TO EXISTING - SIZE AS DENOTED - FIELD VERIFY.
- (EXISTING) FLUSHVALVE WATER CLOSET TO BE REMOVED (DASHED) - CAP AND SEAL UNUSED WASTE, VENT AND WATER CONNECTIONS.
- (EXISTING) LAVATORY TO BE REMOVED (DASHED) - CAP AND SEAL UNUSED WASTE, VENT AND WATER CONNECTIONS.
- (EXISTING) SHOWER TO BE REMOVED (DASHED) - CAP AND SEAL UNUSED WASTE, VENT AND WATER CONNECTIONS.
- (NEW) COLD WATER POINT-OF-CONNECTION WHERE EXISTING FIXTURE WAS REMOVED - NEW LINE SIZE AS DENOTED FOR FLUSHVALVE WATER CLOSETS - FIELD VERIFY.
- (EXISTING) OUTDOOR MECHANICAL EQUIPMENT - SHOWN FOR REFERENCE ONLY.
- (EXISTING) GAS METER - SHOWN FOR REFERENCE ONLY.
- (EXISTING) GAS WATER HEATER - A.O. SMITH Model BTH-300A 970 STORAGE CAPACITY: 130 GALLONS GAS INPUT: 300,000 Btu/h @ 96% EFFICIENCY RECOVERY: 360 GAL/HR - SHOWN FOR REFERENCE ONLY.
- (EXISTING) EXPANSION TANK - BELL & GOSSETT Model PT-80V - SHOWN FOR REFERENCE ONLY.
- (EXISTING) ELECTRICAL MAIN METER & SWITCHGEAR - SHOWN FOR REFERENCE ONLY.



**The McDermott GROUP**  
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**Project**  
**JANE HAHN ADA IMPROVEMENTS**

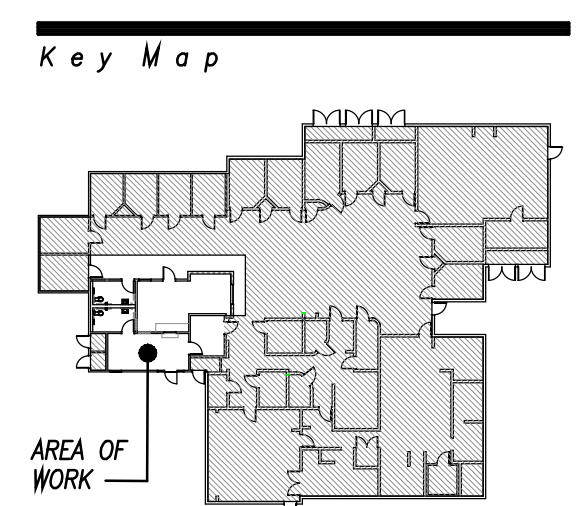
**306 N. VILLA AVE., WILLOWS, CA 95988**

Sheet Title

## PLUMBING PLAN

**REVIEWED FOR CODE COMPLIANCE BY:** WILLIAM ENGINEERING  
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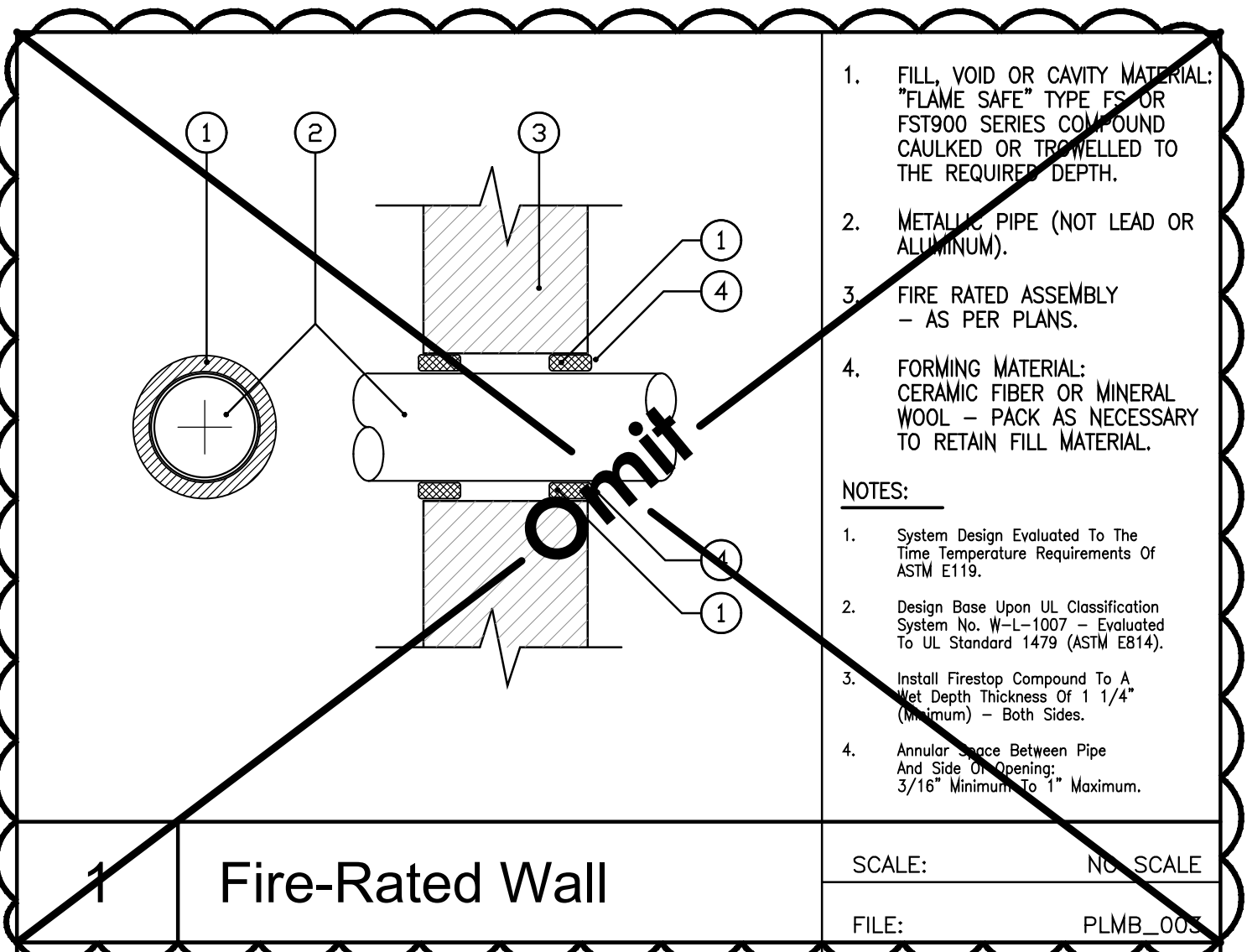
Architect: MPM  
 Drawn By: MPM  
 Job No.: McD\_22029  
 Date: NOVEMBER 03, 2022  
 Drawing No.

## Plumbing Plan

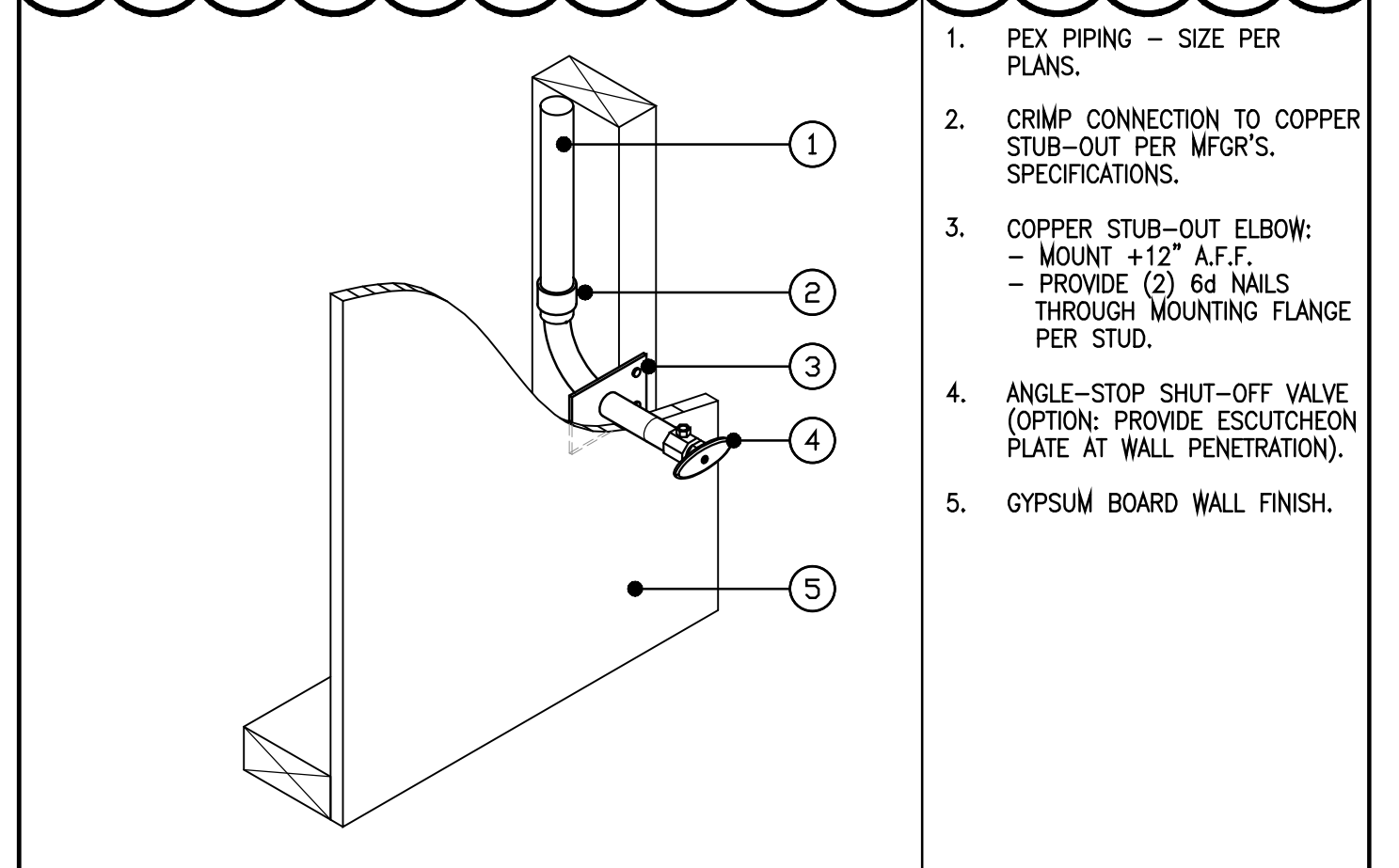
1/4" = 1'-0"



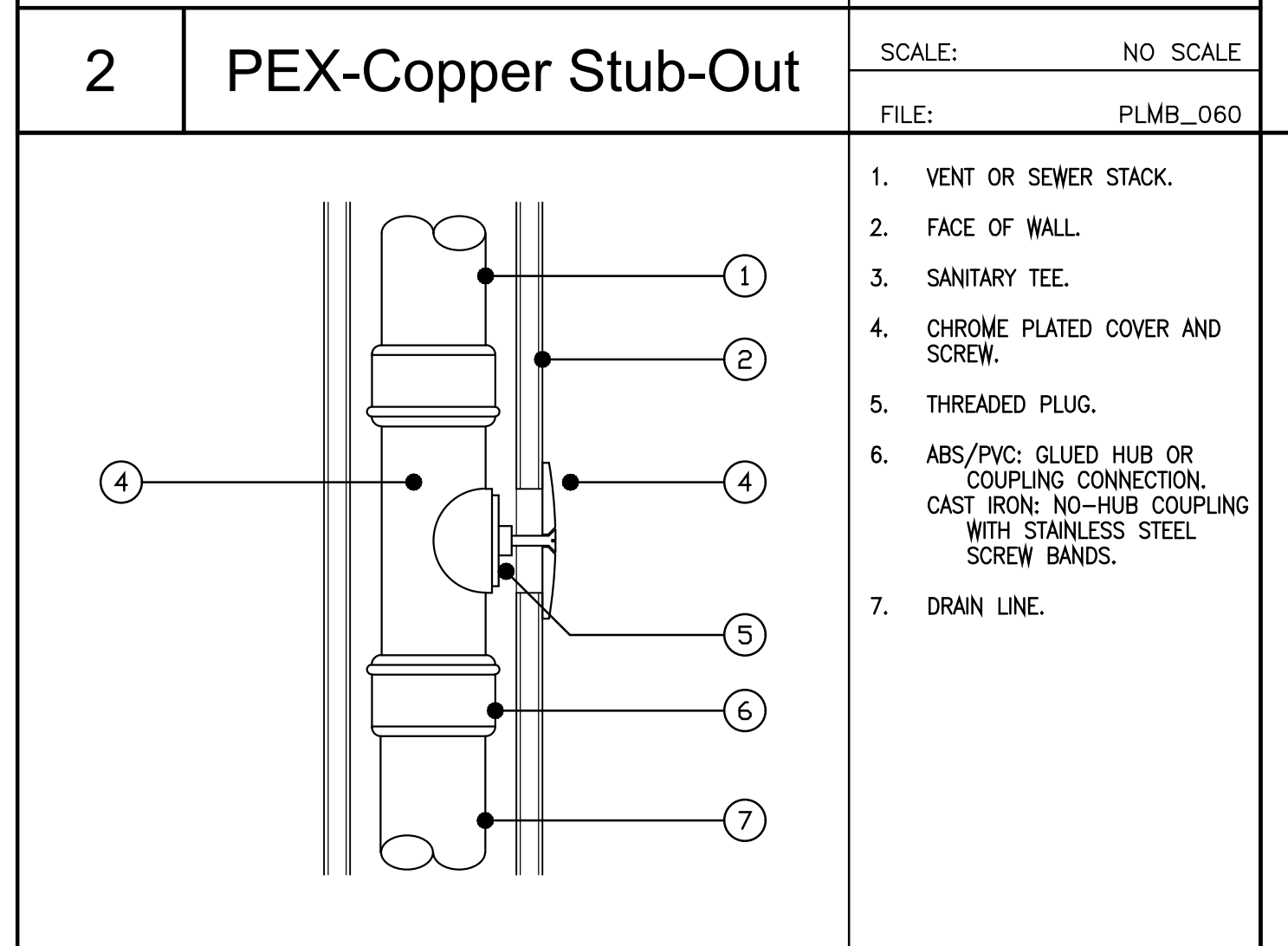
Connection Schedule										Unit Calculations				
FIXTURE	SYMBOL	VENT	WASTE		COLD WATER		HOT WATER		REMARKS	QTY.	WASTE		COLD WATER	
			BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET			UNITS:	TOTAL:	UNITS:	TOTAL:
Water Closet (ADA Compliant)	WC	2"	3"	3"	1 1/4"	1"	--	--	(NEW) AMERICAN STANDARD "Modero" FloWise 16 1/2" 1.1 GPF FLUSHMETER TOILET SYSTEM with EVERCLEAN SELECTRONIC FLUSH VALVE (Model 3461.511)   ADA COMPLIANT - PROVIDE WITH OPEN-FRONT SEAT   AMERICAN STANDARD Model 5905.100. - CW P.O.C. +28" A.F.F.	2	4	8	5	10
Lavatory (Wall Hung - ADA)	LAV	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	1/2"	1/2"	(NEW) AMERICAN STANDARD "Lucerna" WALL-HUNG LAVATORY with SINGLE CENTER FAUCET HOLE HANGER (Model 0356.421) - PROVIDE WITH AMERICAN STANDARD "Paradigm Selectronic" INTEGRATED PROXIMITY LAVATORY FAUCET 0.6 GPM (Model 702B.305) with PWXY BATTERY SYSTEM (Model PK00.WRK) *INCLUDES "SmartTherm" SAFETY SHUT-OFF INTEGRAL THERMOSTATIC HOT WATER TEMPERATURE LIMITER (Meets ASSE 1070) WITHOUT A SEPARATE THERMOSTATIC MIXING VALVE. - CW/HW P.O.C. +22" A.F.F.	2	1	2	1	2
<b>NOTES &amp; LEGEND:</b> 1. I.D. = INDIRECT WASTE TO FLOOR SINK (AS PER PLAN). 2. INT. = INTEGRAL WASTE TRAP WITH FIXTURE. 3. HOT/COLD WATER SUPPLY LINES ARE FOR REFERENCE ONLY - SEE PLAN FOR ACTUAL BRANCH SIZES.										<b>WASTE TOTAL:</b>		<b>WATER TOTAL:</b>		
										10		12		



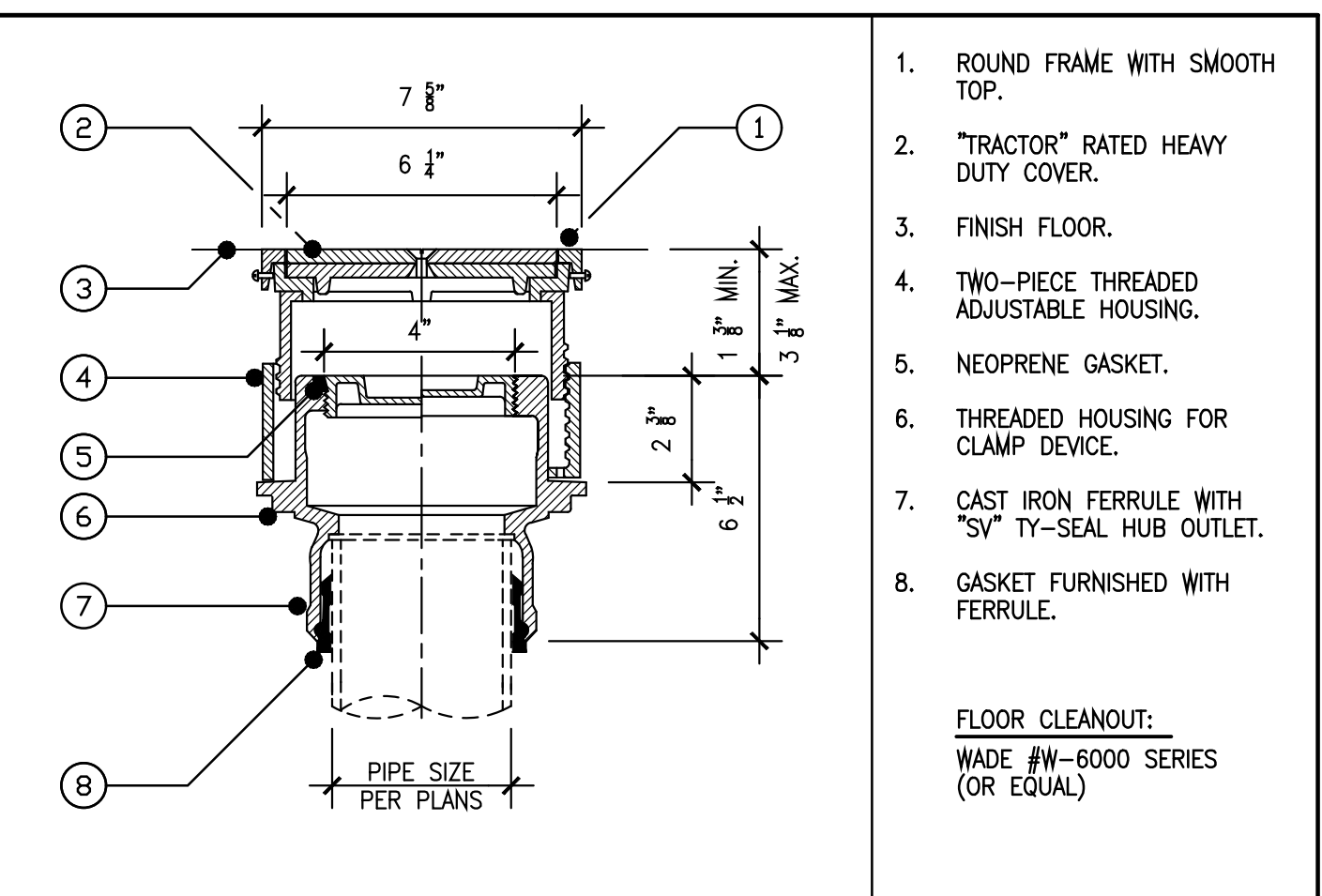
- FILL VOID OR CAVITY MATERIAL: "FLAME SAFE" TYPE FOR FST900 SERIES COMPOUND CAULKED OR TRAVELLED TO THE REQUIRED DEPTH.
  - METALLIC PIPE (NOT LEAD OR ALUMINUM).
  - FIRE RATED ASSEMBLY - AS PER PLANS.
  - FORMING MATERIAL: CERAMIC FIBER OR MINERAL WOOL - PACK AS NECESSARY TO RETAIN FILL MATERIAL.
- NOTES:**
- System Design Evaluated To The Time Temperature Requirements Of ASTM E119.
  - Design Base Upon UL Classification System No. W-L-1007 - Evaluated To UL Standard 1479 (ASTM E814).
  - Install Firestop Compound To A Net Depth Thickness Of 1 1/4" (Minimum) - Both Sides.
  - Annular Space Between Pipe And Side Of Opening: 3/16" Minimum To 1" Maximum.



- PEX PIPING - SIZE PER PLANS.
- CRIMP CONNECTION TO COPPER STUB-OUT PER MFG'S. SPECIFICATIONS.
- COPPER STUB-OUT ELBOW: - MOUNT +12" A.F.F. - PROVIDE (2) 6d NAILS THROUGH MOUNTING FLANGE PER STUD.
- ANGLE-STOP SHUT-OFF VALVE (OPTION: PROVIDE ESCUTCHEON PLATE AT WALL PENETRATION).
- GYPSUM BOARD WALL FINISH.



- VENT OR SEWER STACK.
- FACE OF WALL.
- SANITARY TEE.
- CHROME PLATED COVER AND SCREW.
- THREADED PLUG.
- ABS/PVC GLUED HUB OR COUPLING CONNECTION. CAST IRON: NO-HUB COUPLING WITH STAINLESS STEEL SCREW BANDS.
- DRAIN LINE.



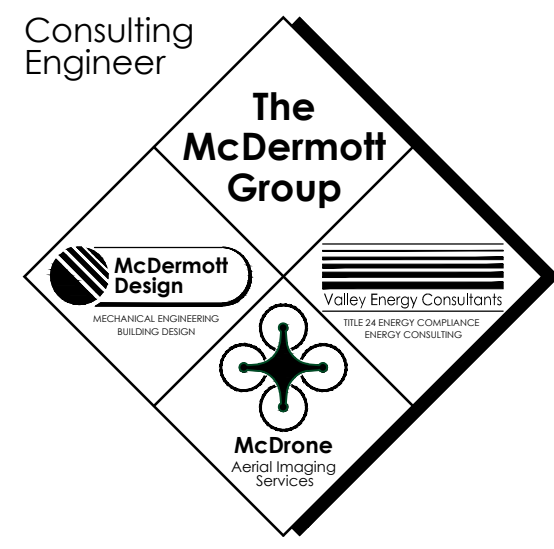
- ROUND FRAME WITH SMOOTH TOP.
  - "TRACTOR" RATED HEAVY DUTY COVER.
  - FINISH FLOOR.
  - TWO-PIECE THREADED ADJUSTABLE HOUSING.
  - NEOPRENE GASKET.
  - THREADED HOUSING FOR CLAMP DEVICE.
  - CAST IRON FERRULE WITH "SV" TY-SEAL HUB OUTLET.
  - GASKET FURNISHED WITH FERRULE.
- FLOOR CLEANOUT:**  
WADE #N-6000 SERIES (OR EQUAL)

PIPE SIZE: (Inches)	CLEANOUT SIZE: (Inches)	THREADS (Per Inch)
1 1/2"	1 1/2"	11 1/2"
2"	1 1/2"	11 1/2"
2 1/2"	2 1/2"	8
3"	2 1/2"	8
4" & Larger	3 1/2"	8

**CLEANOUT NOTES:**  
1. TAKEN FROM 2019 CPC TABLE 707.1

Plumbing General Notes

- WASTE AND VENT PIPING MATERIAL SHALL BE AS PER 2019 CPC 701.2.
- DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER HARD DRAWN PIPE WITH WROUGHT COPPER OR BRASS FITTINGS\*. SOLDER SHALL BE 95-5 NO-LEAD TYPE APPROVED BY IAPMO FOR POTABLE WATER USE. REFER TO 2019 CPC Section 604.0. \*UNLESS ALTERNATE MATERIAL SPECIFIED ON PLANS.
- PLUMBING WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR COMPLETE INSTALLATION AND/OR REMODEL OF PLUMBING SYSTEMS SHOWN OR INDICATED IN PLANS, DETAILS, SCHEDULES AND NOTES.
- ALL WORK SHALL BE EQUAL OR SUPERIOR TO THAT REQUIRED BY RULES, CODES, ORDERS, REGULATIONS, ORDINANCES, AND LAWS IMPOSED BY GOVERNMENT AUTHORITY RELATED TO THE WORK. CONFLICTS SHALL BE BROUGHT TO THE DESIGNER'S ATTENTION FOR CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.
- CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF HIS WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN REVIEWED AND/OR TESTS WITNESSED BY OWNER'S REPRESENTATIVE AND BY GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THIS WORK.
- EXAMINE THE SITE AND PREMISES PRIOR TO BIDDING TO DETERMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE WILL BE MADE FOR EXTRA EXPENSE INCURRED DUE TO FAILURE TO EXAMINE THE PREMISES OR TO DISCOVER SITE CONDITIONS WHICH AFFECT THE WORK.
- INCLUDE IN THE WORK ALL SAW CUTTING AND DEMOLITION NECESSARY AND REQUIRED FOR THE INSTALLATION. ALL CONCRETE REPAIRS AND FINISH WORK SHALL BE ACCOMPLISHED BY THE GENERAL CONTRACTOR.
- UPON COMPLETION OF THE WORK, AND AS A PRECEDENT TO FINAL PAYMENT, THE SUBCONTRACTOR SHALL DELIVER TO THE OWNER'S REPRESENTATIVE, ORIGINALS OF ALL DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED. THE SUBCONTRACTOR SHALL ALSO DELIVER TO THE OWNER'S REPRESENTATIVE ONE (1) COMPLETE SET OF REPRODUCIBLE OF ALL DRAWINGS SHOWING THE WORK EXACTLY AS INSTALLED.
- AT THE COMPLETION OF THE WORK, CLEAN AND RID THE PROJECT AND THE SURROUNDING AREAS OF ALL DEBRIS, SCRAP, AND MATERIALS RELATED TO THIS WORK. SHOULD THE GENERAL CONTRACTOR BE REQUIRED TO CLEAN PLUMBING CONTRACTOR'S DEBRIS AND MATERIAL, THE PLUMBING CONTRACTOR MAY BE CHARGED FOR THIS SERVICE.
- INSTALL THE WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS WHENEVER DETAILS ARE REGULARLY FURNISHED WITH THE EQUIPMENT AND PROVIDE VALVES, PIPING AND OTHER APPURTENANCES AND CONNECTIONS NECESSARY TO COMPLY WITH SUCH RECOMMENDATIONS, WHETHER SHOWN ON THE PLANS OR NOT.
- EXCAVATION AND BACK FILL SHALL BE ACCOMPLISHED BY THE PLUMBING CONTRACTOR. GRADE TRENCH TO MAINTAIN UNIFORM SLOPE. BOTTOM OF TRENCH SHALL HAVE 1" OF DRY SAND FOR SETTING WASTE PIPING. COVER PIPING AFTER TESTS AND INSPECTIONS HAVE BEEN COMPLETED WITH NATIVE SOIL. COMPACT IN 6" LIFTS TO A MINIMUM COMPACTION OF 90%.
- ALL MATERIALS SHALL BE NEW AND IN PERFECT CONDITION, EXCEPT AS NOTED OTHERWISE.
- TRIM, FITTINGS AND PIPE TO BE CHROME PLATED OR COVERED WITH CHROMIUM PLATED BRASS SLEEVES WHEREVER EXPOSED.
- ISOLATION VALVES SHALL BE BUTTERBALL: MILWAUKEE BRONZE BODY, STAINLESS STEEL WAFER, VITON SEAL, OR FULL PORT 1/4 TURN BALL VALVE.
- EACH FIXTURE SHALL BE EQUIPPED WITH COMPRESSION STOPS IN THE WATER SUPPLIES. UNLESS OTHERWISE SPECIFIED, STOPS SHALL BE SPEEDWAY LOCK SHIELD SCREWDRIWER PARTITION STOPS, OR APPROVED EQUIVALENT.
- SEAL AT THE BASE OF FLOOR MOUNTED AND WALL MOUNTED PLUMBING FIXTURES WITH FLEXIBLE WHITE 50 YEAR SILICONE SEALANT MATERIALS ELIMINATING ALL VOIDS AND CRACKS.
- PROVIDE R-4 INSULATION ON THE FIRST FIVE FEET OF BOTH HOT AND COLD WATER PIPES FROM THE WATER HEATER PER 2019 CEC Energy Efficiency Standards, Section 150(j)(2). ALL HOT WATER PIPES 3/4" AND LARGER SHALL BE INSULATED WITH A MINIMUM INSULATED WALL THICKNESS OF 1" OR MINIMUM R-VALUE 7.7 INSULATION.
- AFTER THE HOT AND COLD WATER PIPING SYSTEMS HAVE BEEN TESTED AND PROVED TIGHT, THE CONTRACTOR SHALL CLEAN THE SYSTEMS OF DIRT, SCALE, OIL, GREASE, AND WASTE WHICH MAY HAVE ACCUMULATED DURING THE PROCESS OF INSTALLATION. STERILIZE WATER LINES IN ACCORDANCE WITH AWWA REQUIREMENTS.
- ALL EQUIPMENT AND MATERIALS SHALL BE EQUAL IN QUALITY, TYPE, CAPACITIES, EFFICIENCIES AND ACCESSORIES AS NOTED ON DRAWING.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH ALL APPLICABLE CODES.
- CONTRACTOR SHALL RETURN ALL WARRANTY CARDS TO APPLICABLE MANUFACTURERS AND WILL LEAVE ONE (1) COPY OF INSTALLATION AND SERVICE INSTRUCTIONS FOR ALL EQUIPMENT WITH THE OWNER.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- PLUMBING VENTS SHALL BE AT LEAST 10'-0" FROM OR 3'-0" ABOVE ANY MECHANICAL AIR INTAKE OR OTHER AIR INLETS INTO THE BUILDING PER 2019 CPC 906.2.
- TOILETS FOR PUBLIC USE SHALL HAVE ELONGATED BOWLS AND BE EQUIPPED WITH OPEN-FRONT SEATS CONSTRUCTED OF A SMOOTH NON-ABSORBENT FINISH AS PER 2019 CPC 411.1 & 411.2.



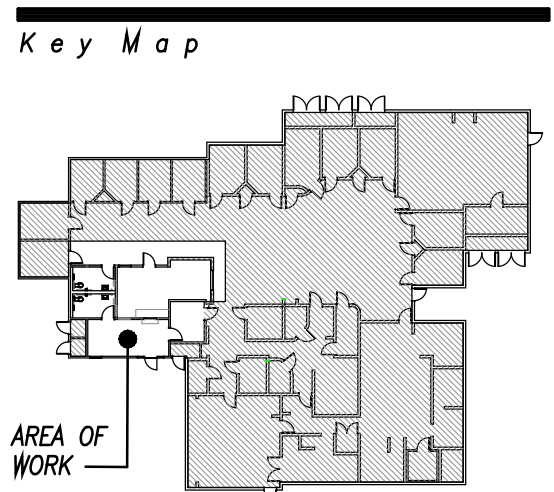
**The McDermott GROUP**  
2201 FRANCISCO DRIVE, SUITE 140-451  
EL DORADO HILLS, CA 95762  
PHONE: (916) 933-6791



**Project**  
**JANE HAHN ADA IMPROVEMENTS**  
**306 N. VILLA AVE., WILLOWS, CA 95988**  
*Sheet Title*

**PLUMBING NOTES, SCHEDULES & DETAILS**

**REVIEWED FOR CODE COMPLIANCE BY:** ...  
**WILLIAM ENGINEERING**  
Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws, or ordinances. One set of approved plans must be kept on the job until completion.  
2:29:01 PM Mar 11, 2023



NO.	DATE	DESCRIPTION
1	02/06/22	PLAN REVIEW #1
2	07/25/22	CONCEPTUAL DESIGN
3	07/19/22	CONCEPTUAL DESIGN

**Architect**  
Drawn By: WPM  
**Revisions**  
Job No.: McD\_22029  
Date: NOVEMBER 03, 2022  
Drawing No.



STATE OF CALIFORNIA  
**Domestic Water Heating System**  
 NRCC-PLB-E (Created 10/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0 and §150.1(c)(8), and with requirements in §150.2 for additions and alterations.

Project Name: Glenn County Jane Hahn & Juvenile Justice Center ADA Improvements Report Page: Page 1 of 5  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: 2022-11-03

**A. GENERAL INFORMATION**

01 Project Location (city) Willows 02 Climate Zone 11  
 03 Occupancy Types Within Project (select all that apply):  
 Nonresidential  High-Rise Residential  Hotel/ Motel  
 State Building  Healthcare Facility  Other (Write in):

**B. PROJECT SCOPE**

Table Instructions: Include any domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, §150.1(c)(8), and §141.0(a), or §141.0(b)(2) for additions or alterations. Solar water heating systems should be documented on the NRCC-SRA compliance document. Combined hydronic water heating systems should be documented on the NRCC-MCH compliance document.

01 My project consists of (check all that apply):  
 New System (DHW system being installed for the first time in newly constructed building)  
 System Alteration (equipment, distribution or controls)

02 System Type<sup>1</sup>  
 Equipment  Distribution  Controls  
 Add New System  Remove Last  
 Add Alteration  Remove Last

03 System Components  
 Equipment  Distribution  Controls  
 Add New System  Remove Last  
 Add Alteration  Remove Last

04 Compliance Results  
 Compliance Results: **COMPLIES**

<sup>1</sup> FOOTNOTE: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.  
<sup>2</sup> Dwelling units refers to hotel/ motel guest rooms and units in a high-rise residential occupancy.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> October 2020

STATE OF CALIFORNIA  
**Domestic Water Heating System**  
 NRCC-PLB-E (Created 10/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Glenn County Jane Hahn & Juvenile Justice Center ADA Improvements Report Page: Page 4 of 5  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: 2022-11-03

**K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION**

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 completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCV/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/)

YES	NO	Form/Title	Field Inspector
			Pass Fail
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> October 2020

STATE OF CALIFORNIA  
**Domestic Water Heating System**  
 NRCC-PLB-E (Created 10/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Glenn County Jane Hahn & Juvenile Justice Center ADA Improvements Report Page: Page 2 of 5  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: 2022-11-03

**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. DOMESTIC HOT WATER EQUIPMENT**

This Section Does Not Apply

**G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM**

Table Instructions: Complete the following table to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.3(c), §120.3, §150.0, §150.1.

**Recirculation Loops in Central Systems Serving Dwelling Units or Nonresidential Spaces**

	Yes	No	Not Applicable	Requirement
01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Air release valve or vertical pump installation per §110.3(c)(4A)
02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check valve or similar located between recirculation pump and water heating equipment to prevent backflow per §110.3(c)(4B)
03	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hose bibb installed between pump and equipment and isolation valve between hose bibb and equipment per §110.3(c)(4C)
04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Isolation valves on both sides of the pump per §110.3(c)(4D)
05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold water and recirculation loop piping shall not be connected to the hot water storage tank drain port per §110.3(c)(4E)
06	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check valve installed on cold water supply between hot water system and next closest tee on cold water supply per §110.3(c)(4F)
07	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For central systems serving multiple dwelling units, design includes two or more recirculation loops serving separate dwelling units per §150.1(c)(8)(i) unless building has ≤ 8 dwelling units.

**Mandatory Pipe Insulation All Occupancies**

For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per §120.3:

12	<input checked="" type="checkbox"/>	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per §120.3: - Recirculating system piping, including supply and return piping of the water heater - The first 8 ft of hot and cold outlet piping for a nonrecirculating storage system - Pipes that are externally heated
13	<input checked="" type="checkbox"/>	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per §120.3(b) and §150.0(j)

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> October 2020

STATE OF CALIFORNIA  
**Domestic Water Heating System**  
 NRCC-PLB-E (Created 10/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Glenn County Jane Hahn & Juvenile Justice Center ADA Improvements Report Page: Page 5 of 5  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: 2022-11-03

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name: Michael P. McDermott, P.E. Documentation Author Signature: *Michael P. McDermott*  
 Company: The McDermott Group | Valley Energy Consultants Signature Date: 02/06/22  
 Address: 2201 Francisco Drive, Suite 140-451 CEA/ HERS Certification Identification (if applicable): R16-09-20081 | NR16-09-20030  
 City/State/Zip: El Dorado Hills, CA 95762 Phone: (916) 933-5791

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Michael P. McDermott, P.E. Responsible Designer Signature: *Michael P. McDermott*  
 Company: The McDermott Group | Valley Energy Consultants Date Signed: 02/06/22  
 Address: 2201 Francisco Drive, Suite 140-451 License: M 30514  
 City/State/Zip: El Dorado Hills, CA 95762 Phone: (916) 933-5791

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> October 2020

STATE OF CALIFORNIA  
**Domestic Water Heating System**  
 NRCC-PLB-E (Created 10/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE  
 Project Name: Glenn County Jane Hahn & Juvenile Justice Center ADA Improvements Report Page: Page 3 of 5  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: 2022-11-03

**TABLE 120.3-A PIPE INSULATION THICKNESS**

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft <sup>2</sup> per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			<1	1 to <1.5	1.5 to <4
105-140	0.22-0.28	100	Minimum Insulation Required		
			1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11

**H. DOMESTIC HOT WATER SYSTEM CONTROLS**

This Section Does Not Apply

**I. 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://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCI/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/)

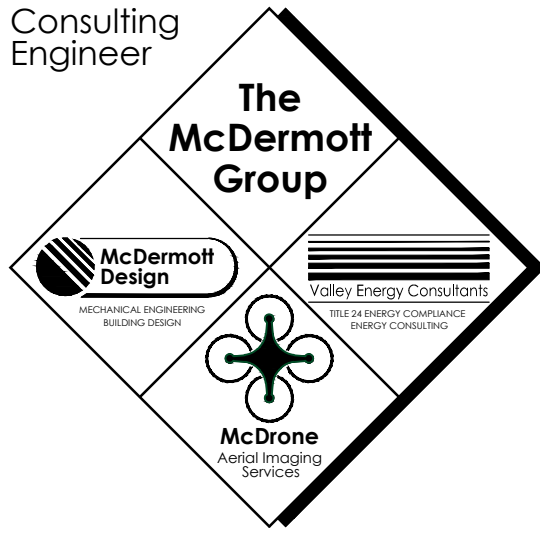
YES	NO	Form/Title	Field Inspector
			Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-01-E - Must be submitted for all buildings	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/ motel single dwelling unit hot water distribution systems to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

**J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

There are no Certificates of Acceptance applicable to service water heating requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> October 2020

REVIEWED FOR CODE COMPLIANCE BY:  
**WILLDAN ENGINEERING**  
 Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws, or ordinances. One set of approved plans must be kept on the job until completion.  
 2:29:01 PM Mar 11, 2023



**THE McDermOTT GROUP**  
 2201 FRANCISCO DRIVE, SUITE 140-451  
 EL DORADO HILLS, CA 95762  
 PHONE: (916) 933-5791

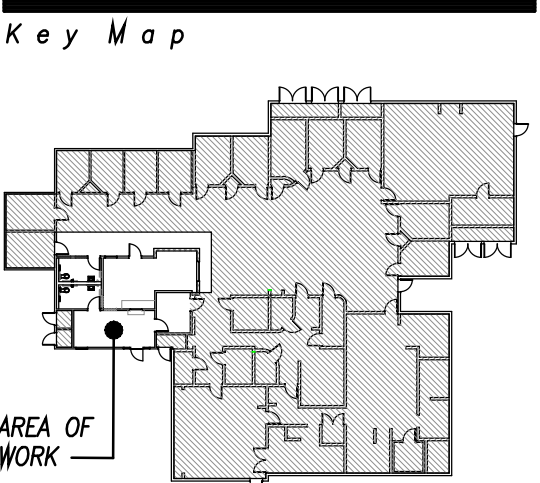


Project  
**JANE HAHN ADA IMPROVEMENTS**

**306 N. VILLA AVE., WILLOWS, CA 95988**

Sheet Title

**TITLE 24 PLUMBING**



Architect  
 Drawn By: WPM

Revisions

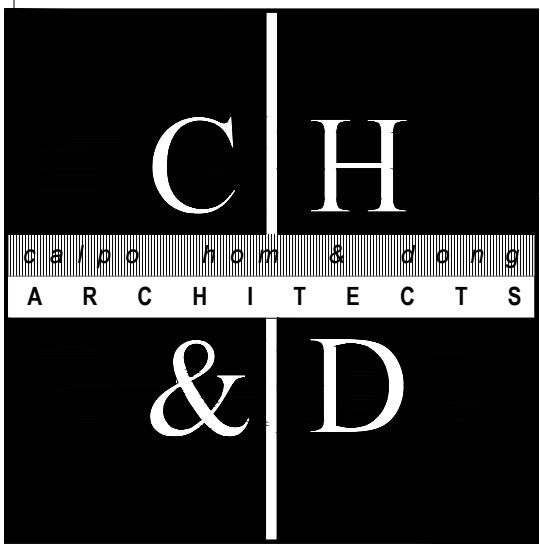
NO.	DATE	DESCRIPTION
1	02/06/22	PLAN REVIEW #1
	07/25/22	CONCEPTUAL DESIGN
	07/19/22	CONCEPTUAL DESIGN

Job No.: McD\_22029  
 Date: NOVEMBER 03, 2022









*principals*  
 ALAN C. HOM C16979  
 DENNIS DONG C12163  
 ANDY C. KWONG C26500  
 LOANGLE R. NEWSOME C22048  
*associates*  
 KARIN RYLANDER C23836

2120 20TH STREET, SUITE ONE  
 SACRAMENTO, CALIFORNIA 95818  
 TEL.916/446-7741 FAX 916/446-0457  
 .....  
 consultant



2/10/23  
 Project  
**JANE HAHN ADA IMPROVEMENTS**

**306 N. VILLA AVE., WILLOWS, CA 95988**

Sheet Title

**LIGHTING PLAN**

.....  
 The undersigned architect does not represent that these plans or the specifications in connection therewith are suitable, whether or not modified for any other site than the one for which they were specifically prepared. The architect disclaims responsibility for these plans and specifications if they are used in whole or in part at any other site.

The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

This drawing is not final or to be used for construction until signed by the architect and owner.

All drawings and written material appearing herein constitute the original and unpublished work of the Architect and the same may not be duplicated, used or disclosed without written consent of the Architect.

**REVIEWED FOR CODE COMPLIANCE BY:**  
**WILLDAN ENGINEERING**  
 Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws or ordinances. One set of approved plans must be kept on the job until completion.

2:29:01 PM Mar 11, 2023

Architect  
 Drawn By

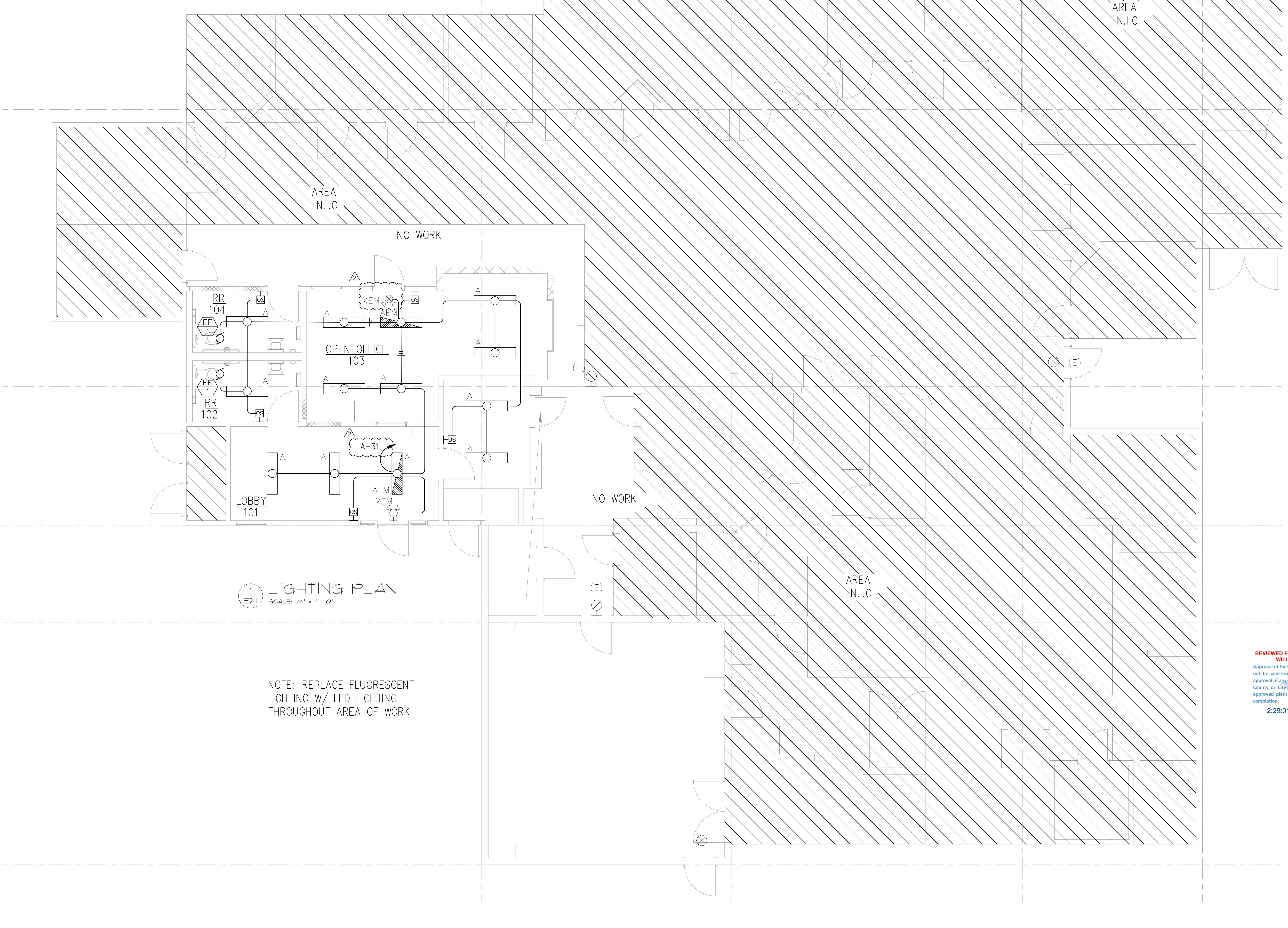
Revisions		
NO.	DATE	DESCRIPTION
1	12/6/22	Plan Ck #1
2	2/10/23	Plan Ck #2

Job No. 22070  
 Date OCTOBER 28, 2022

Drawing No.

**E2.1**  
 OF SHEETS

jane2/10/2023 4:38:05 PM File Name: C:\E:\Projects\306N\_Villa\_Ave\306N\_Villa\_Ave.dwg - Jane Hahn ADA Improvements.dwg



1 LIGHTING PLAN  
 E2.1 SCALE: 1/4" = 1' - 0"

NOTE: REPLACE FLUORESCENT LIGHTING W/ LED LIGHTING THROUGHOUT AREA OF WORK

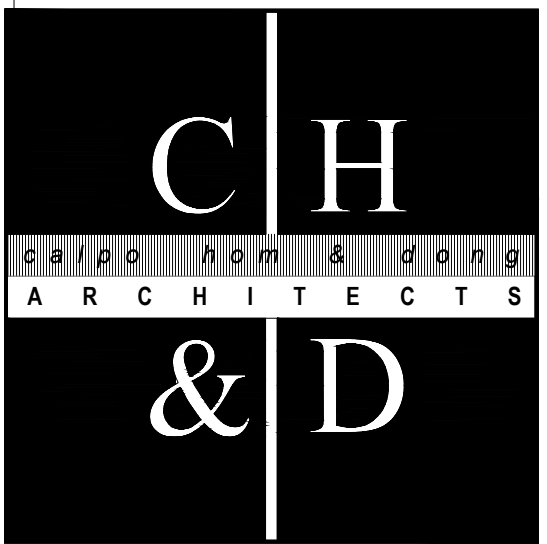






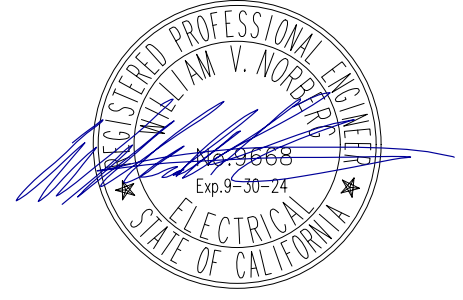






principals  
 ALAN C. HOM C 1 6 9 7 9  
 DENNIS DONG C 1 2 1 6 3  
 ANDY C. KWONG C 2 6 5 0 0  
 associates  
 LOANGLER R. NEWSOME C 2 2 0 4 8  
 KARIN RYLANDER C 2 3 8 3 6

2120 20TH STREET, SUITE ONE  
 SACRAMENTO, CALIFORNIA 95818  
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 .....



2/10/23

Project

**JANE HAHN ADA  
 IMPROVEMENTS**

**306 N. VILLA AVE.,  
 WILLOWS, CA 95988**

REVIEWED FOR CODE COMPLIANCE BY:  
**WILLDAN ENGINEERING**  
 Approval of these plans & specifications shall not be construed to be a permit for, or an approval of any violation of any Federal, State, County or City laws, or ordinances. One set of approved plans must be kept on the job until completion.

2:29:02 PM Mar 11, 2023

Sheet Title

**TL-24  
 NRCC-ELC-E**

.....  
 The undersigned architect does not represent that these plans or the specifications in connection therewith are suitable, whether or not modified for any other site than the one for which they were specifically prepared. The architect disclaims responsibility for these plans and specifications if they are used in whole or in part at any other site.

The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

This drawing is not final or to be used for construction until signed by the architect and owner.

All drawings and written material appearing herein constitute the original and unpublished work of the Architect and the same may not be duplicated, used or disclosed without written consent of the Architect.

Architect		
Drawn By		
Revisions		
NO.	DATE	DESCRIPTION
1	2/10/23	Plan Ck #2

Job No. 22070  
 Date OCTOBER 28, 2022

Drawing No.

**E3.2**

OF SHEETS

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE  
 This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations.  
 Project Name: Jane Hahn ADA Improvements Report Page: Page 1 of 4  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: February 10, 2023

**A. GENERAL INFORMATION**  
 01 Project Location (city) Willows 02 Occupancy Types Within Project:  
 Office  Retail  Warehouse  Hotel/ Motel  School  Support Areas  
 Parking Garage  High-Rise Residential  Relocatable  Healthcare Facilities  Other (Write In):

**B. PROJECT SCOPE**  
 Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/Description	Scope of Work <sup>1</sup>	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) <sup>2</sup>	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.
ADA Remodel	Add/Alt to feeders and branch circuits only		<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<sup>1</sup> FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop §130.5(c), no other requirements from 130.5 are required.  
<sup>2</sup> Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

**C. COMPLIANCE RESULTS**  
 Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

01	02	03	04	05
Service Electrical Metering §130.5(a)	AND Separation for Monitoring §130.5(b)	AND Voltage Drop §130.5(c)	AND Controlled Receptacles §130.5(d)	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)	
AND	AND	Yes	AND	<b>COMPLIES with Exceptional Conditions</b>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE  
 Project Name: Jane Hahn ADA Improvements Report Page: Page 3 of 4  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: February 10, 2023

**J. 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/NRCI/](https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/)

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-ELC-01-E - Must be submitted for all buildings.	<input type="checkbox"/>	<input type="checkbox"/>

**K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE  
 Project Name: Jane Hahn ADA Improvements Report Page: Page 2 of 4  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: February 10, 2023

**D. EXCEPTIONAL CONDITIONS**  
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  
 Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

**E. ADDITIONAL REMARKS**  
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

**F. SERVICE ELECTRICAL METERING**  
 This Section Does Not Apply

**G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING**  
 This Section Does Not Apply

**H. VOLTAGE DROP**  
 Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2P(i).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations <sup>1</sup>	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
ADA Remodel	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) <sup>*</sup>	In construction documents	Sheet E1.1 Panel Schedules	Pass Fail

<sup>\*</sup> NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.  
<sup>1</sup> FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

**I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES**  
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE  
 Project Name: Jane Hahn ADA Improvements Report Page: Page 4 of 4  
 Project Address: 306 N. Villa Avenue, Willows, CA 95988 Date Prepared: February 10, 2023

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: William V. Norberg	Documentation Author Signature:
Company: Norberg Engineering Co., Inc.	Signature Date: February 10, 2023
Address: PO Box 5090	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: El Dorado Hills, CA 95762	Phone: 916 996-8322

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: William V. Norberg	Responsible Designer Signature:
Company: Norberg Engineering Co., Inc.	Date Signed: February 10, 2023
Address: PO Box 5090	License: E9668
City/State/Zip: El Dorado Hills, CA 95762	Phone: 916 996-8322

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020