

Project Narrative

51State
12420 W Thunderbird Rd
602-696-3227
Angeleeconstruction@gmail.com

Technical Advisory Committee & City of El Mirage Planning & Zoning
10000 N El Mirage Rd, El Mirage, AZ 85335

TAC & City Planners,

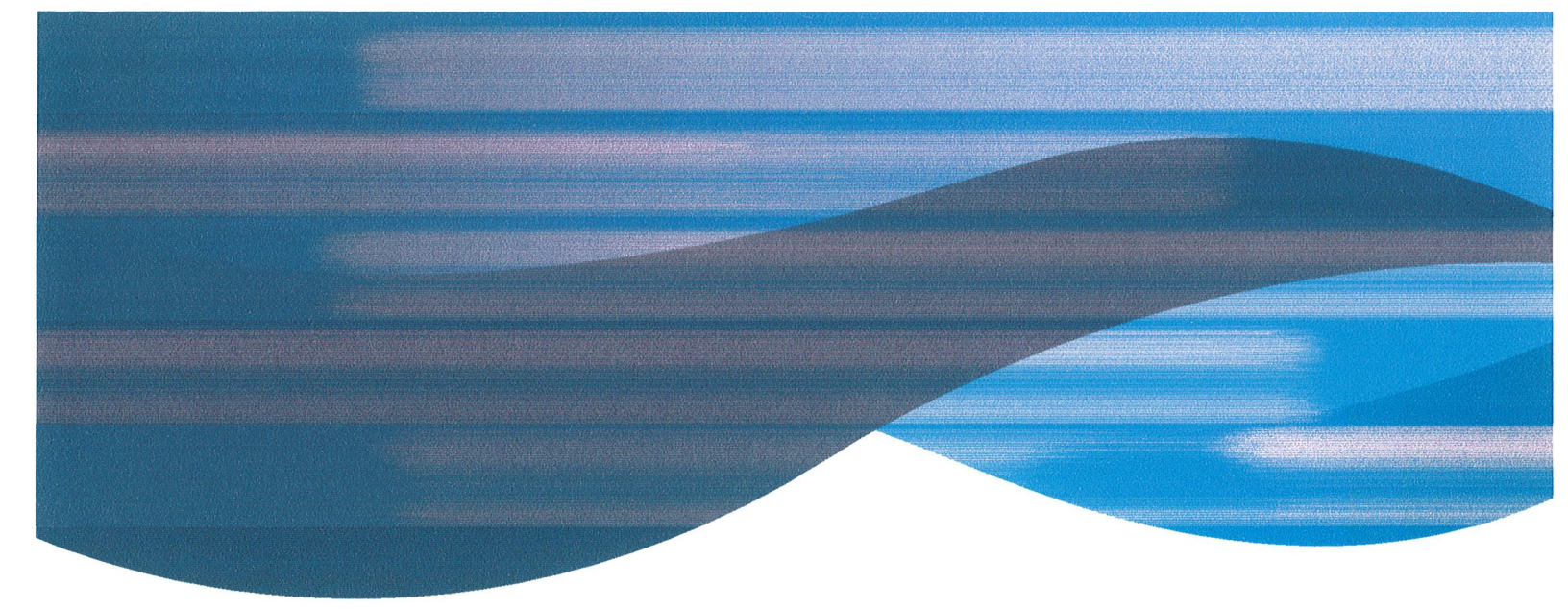
Project Narrative:

Angelee Construction Company Db a 51 State is proud to share their growing success with the City of El Mirage. This is an application request for a Conditional Use Permit of an Urban Corridor space that has been vacant for over 8 years. The space we need your approval for is the (Northeast) back corner storage warehouse of suite D of the former marketplace/dollar store.

The Historical data according to the small business association qualifies this address as a HUB Zone. We are a women owned small business and our manufacturing facility will create jobs on a historically underutilized business area and revenue to our local supply chain. 51State wants to manufacture Tiny Homes/Factory Built buildings in this thriving economy. The manufacturing will be indoors from 6:00am to 4:00pm.

Infrastructure utilized will be the existing warehouse and maintaining the fire lane and available parking spaces in front available for future retail growth. The existing dividing interior wall door opening will be closed to access from the retail side. We will construct one interior dividing wall and open a 16' roll up door on the (Northeast corner) for product delivery.

Our operations will not store any hazardous materials. Water based paint will be always utilized to maintain a safe and clean environment to our 10 to 15 employees. OSHA regulations will be followed, and continuing safety training will be provided.



Drainage Statement for the proposed area will remain intact as existing retaining basing on the Northeast corner of the property will not be disturbed. No structures will be permanently erected that will disturb the existing grading & drainage or the 100-year base flood elevation and the 14" above low outfall of site will be respected. Any final drainage report required will be provided upon request.

Traffic impact and Site access utilized will be the existing southeast corner of the parking lot entrance. Traffic of approximately 10 to 15 employee cars will start coming in at before 6:00am and exit at or before 4:00pm to the westbound Thunderbird route. Only materials delivery at random times of the day will be kept at a minimum. Employees do not leave the work area during business hours unless in an emergency is required. Due to the current median infrastructure the school traffic will not be impacted by employees exiting our facility as the only turn is westbound and away from the El Mirage Elementary. The main vehicular entrance to the proposed area is approximately 575 feet from the Thunderbird and El Mirage Road intersection. Should a traffic impact analysis be necessary one will be provided upon request.

This Conditional Use permit application to allow Angelee Construction Company Db a 51State manufacture Tiny Homes/Factory Built Buildings will not require any additional structures other than what is already existing and permitted.

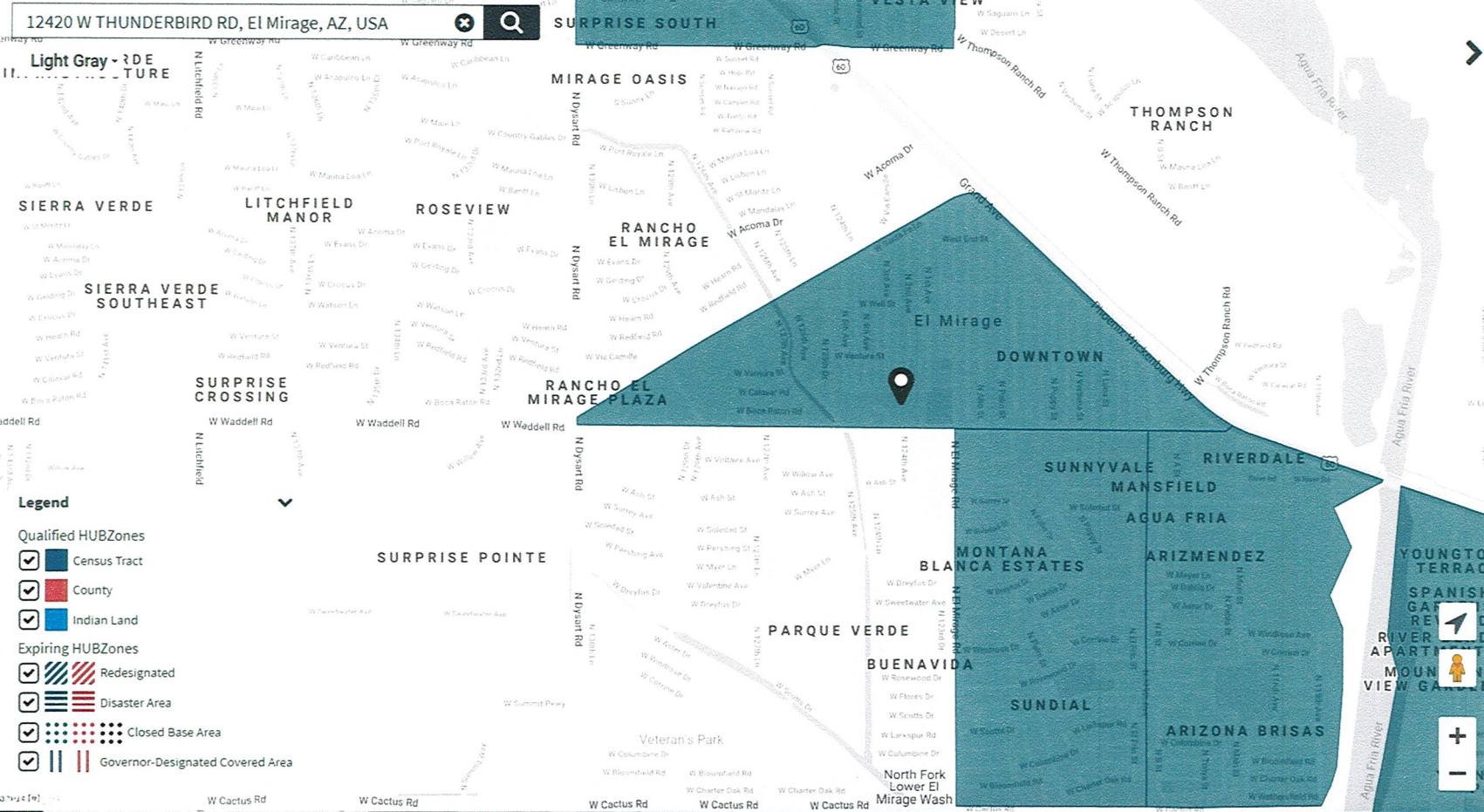
Warm regards,



Glenda L Echevarria
President

SBA HUBZone Map

12420 W THUNDERBIRD RD, El Mirage, AZ, USA



12420 W Thunderbird Rd, El Mirage, AZ 85335, USA
33.609868°N, -112.327171°W

Qualified HUBZone

Designations [Hide Details](#)

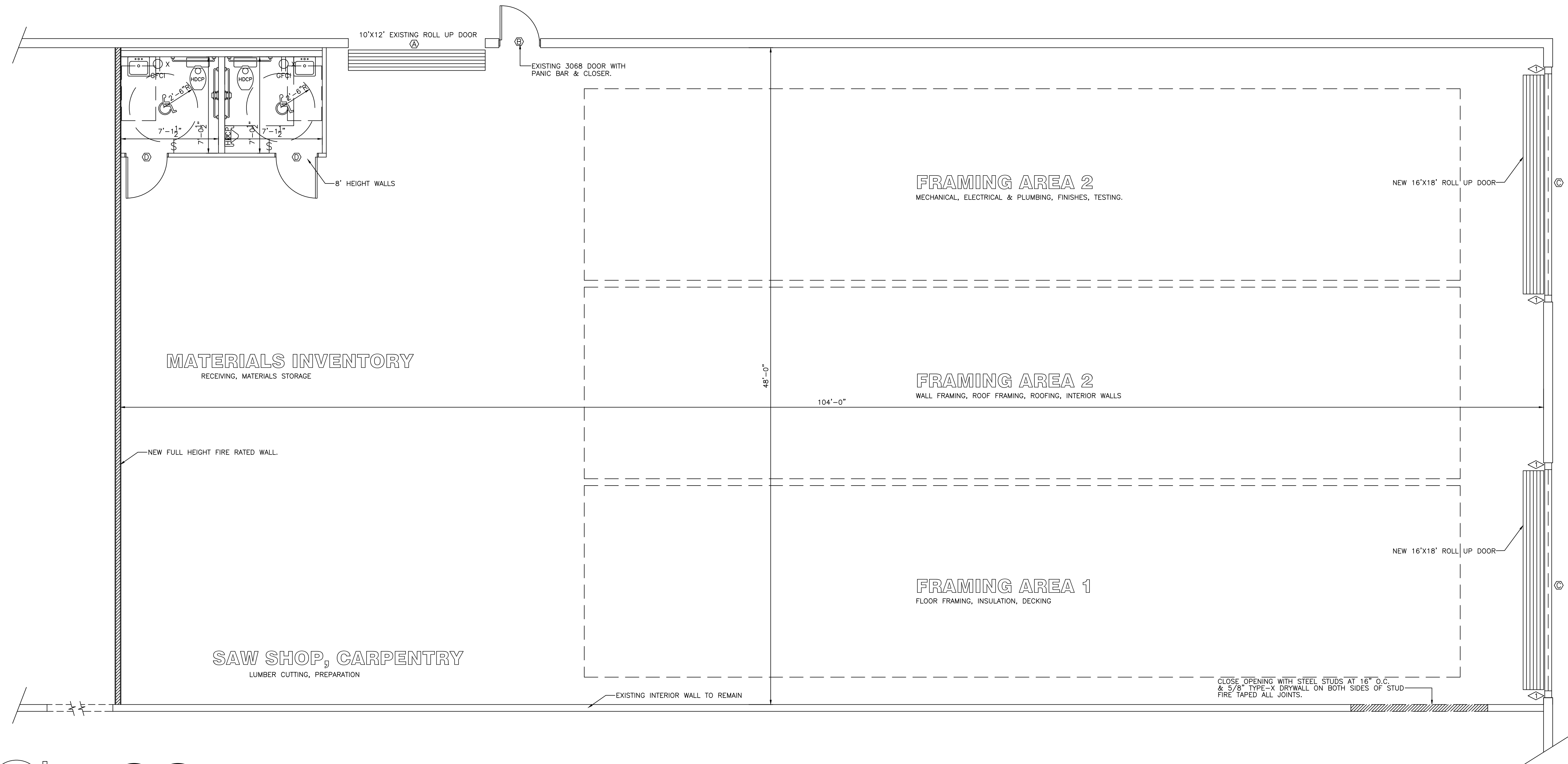
Census Tract
Tract ID: 04013060902
County: Maricopa County
State: AZ

Local Information [Hide Details](#)

Congressional District: Congressional District 8
Congressional Session: 116
State: AZ

[Printable Version](#) [Share Map](#)

Qualification is valid for today: Jun 02, 2021



REVISIONS		DESCRIPTION
NO.	DATE	BY

FLOOR PLAN

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

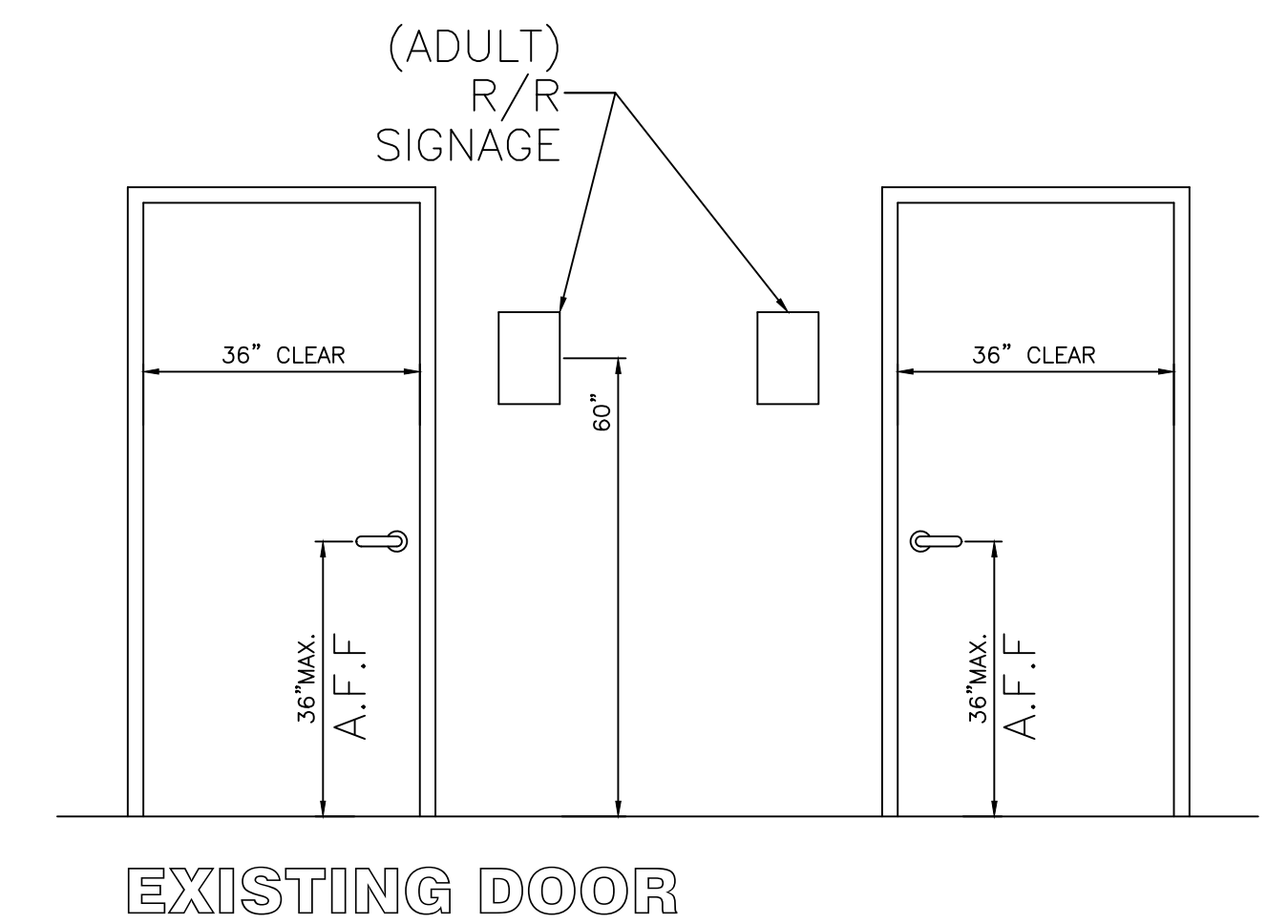
HATCHING DENOTES FULL HGT. 1 HOUR RATED WALL.

SPECIAL NOTES:
1. ALL DIMENSIONS ARE TAKEN FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES		
FLOOR EXISTING! CONCRETE FLOOR, SPREAD FOOTINGS, TO REMAIN, NO NEW CONCRETE.	EXTERIOR WALL EXISTING! 8X8X16 CMU WALLS, NOT INSULATED TO REMAIN.	INTERIOR WALL NEW! INTERIOR WALL 4" STEEL STUDS 20ga. SPACING 16" o.c. FULL HT. TYPE-X DRYWALL RATED WALL TOP PLATE 2" STEEL TRACK 20ga. GENERAL NOTES: PROVIDE FIRE BLOCK AT 10' HIGH OR LESS AT ALL FULL HEIGHT WALLS.
ROOF EXISTING TORCHDOWN WHITE ROOF SLOPE 1/2" TO 12" SHEATHING 1/2" OSB 24/16 RATED CEILING JOIST 2x6 HF #2 AT 16" O.C. AT RESTROOMS ONLY INSULATION R-30 EXISTING	ROOF BEAM EXISTING! 20# BEAM TYPE GLUELAM & JOISTS	POST IDENTIFICATION (1) 6X6 X1/4" HSS TUBE ON EACH SIDE OF NEW ROLL UP DOOR, ATTACHED TO CMU AT 4" O.C. SEE DETAIL.

INTERIOR FINISHES		SPECIAL NOTES:
FLOOR	1. LINOLEUM AT RESTROOMS ONLY W/ 6" SELF COVE COLOR: GREY	
BASE	1. N/A	
WALLS	1. 5/8" TYPE X DRYWALL ON BOTH SIDES OF STUDS (NEW WALLS) TAPED AND PAINTED, SEMIGLOSS PAINT COLOR: GREY 2. FRP INSTALLED PER CODE (AT RESTROOMS) BEHIND TOILETS AND 5' LONG SIDE PROTECTION AT CORNER STALLS COLOR: WHITE	1-HR RATED WALL FULL HEIGHT WALL ONLY
TRIM	1. N/A	
CEILING	1. 5/8" DRYWALL TAPED AND PAINTED (RESTROOMS ONLY) MOUNTED AT 8'-0" A.F.F. (WASHABLE TILES) COLOR: WHITE	

NEW DOORS ONLY SCHEDULE												
SYM	SIZE	THK.	DOOR MAT'L	DOOR TYPE	JAMB MAT'L	JAMB TYPE	JAMB	HRD GRP	FIN GRP	QTY	ROUGH OPENING	SPECIAL NOTES:
Ⓐ	16'x18'		20ga.	METAL	METAL	TRACK		1	1	2	192" x 232"	16" HEADER SEE DETAIL A-S.1
Ⓑ	3068	1 3/4"	WOOD	S.C.	20ga.	TIMELY	5 1/4"	4	2	2	37 1/2" x 81 1/4"	
HARDWARE GROUP					FINISHED GROUP							
NOTE DOOR HANDLES TO BE HANDICAP ACCESSIBLE.					1. BAKED ENAMEL PAINT DOOR COLOR: PAINTED TO MATCH BUILDING							
1. BY DOOR MANUFACTURER, HAND CRANK TYPE, WITH SLIDE LOCKS INSIDE					2. PAINT GRADE DOOR DOOR COLOR: GREY JAMB COLOR: BROWN TONE							
2. PRIVACY LEVER, HINGES, WALL MOUNTED DOOR STOP,												

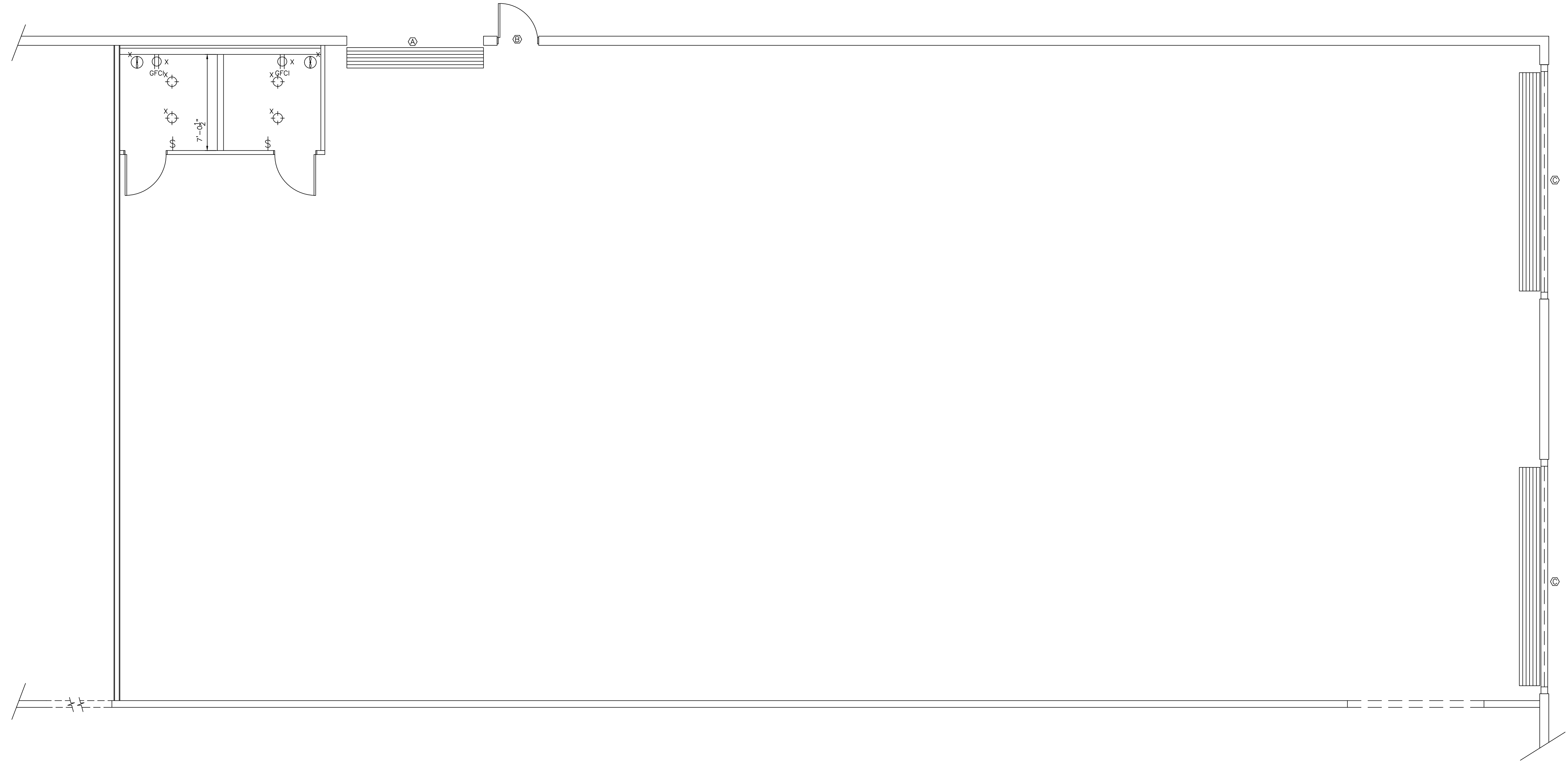


51STATE

DATE: 6-30-21
DRAFTSMAN: ANGEL R TORRES
PROFESSIONAL: ANGEL R TORRES
STATE: AZ
DRAWING #: Factory Arch Sheets
PROJECT #: 51State Factory

SHEET NO. A1.0

PROFESSIONAL STAMP



REVISIONS		DESCRIPTION
NO	DATE	BY
1		
2		
3		
4		

ELECTRICAL PLAN

SCALE : $\frac{1}{4}'' = 1'-0''$

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION	CLR	QTY	REMARKS
	200 AMP 1 PHASE 120/240 w/ 200 AMP MAIN @ 36" A.F.F. TO TOP OF PANEL/EXT. SURFACE MOUNT (N.B.S.)	N/A	x	EXISTING
	DUPLEX RECEPT. w/ COVER PLATE @ 15" A.F.F. TO TOP. (NO BRAND SPECIFIED)	WHITE	x	EXISTING
	GROUND FAULT CIRCUIT INTERRUPT RCPT. w/ COVER PLATE @ 46" A.F.F. TO TOP (NO BRAND SPECIFIED)	WHITE	2	NEW
	SINGLE POLE SWITCH w/COVER PLATE @ 46" A.F.F. TO TOP. (NO BRAND SPECIFIED)	WHITE	2	NEW
	2x4-(3) FLUORESCENT FIXTURE, HANGING (NO BRAND SPECIFIED)	N/A	.	EXISTING
	PORCH LIGHTS @ 84" A.F.F. U.N.O. BRAND: HIGH PRESSURE SODIUM	N/A	.	EXISTING
	WALL MOUNT LED EXIT/EMERGENCY LIGHT COMBO MOUNTED @ 88" A.F.F. w/ BATTERY BACKUP (NO BRAND SPECIFIED)	N/A	1	EXISTING
	EXHAUST FAN 80 CFM (NO BRAND SPECIFIED)	N/A	2	NEW
RACEWAY		MC/FLEX		

NOTE:

- ALL MEASUREMENTS FOR DEVICES WHICH REQUIRE A HEIGHT ARE TO THE TOP OF DEVICE UNLESS NOTED OTHERWISE.
- ALL EXTERIOR ELECTRICAL DEVICES TO BE WEATHERPROOF.
- FIRE ALARM SYSTEM PROVIDED AND INSTALLED ON SITE BY OTHERS. (WHEN APPLICABLE.)

ELECTRICAL GENERAL NOTES :

- ALL PANEL BOXES SHALL BE UL TESTED & APPROVED.
- PANEL BOXES SHALL NOT BE ALTERED. (UNLESS ALTERED BY MANUFACTURER).
- PANEL BOX SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
- ALL ELECTRICAL DEVICES WILL BE LABELED WITH ITS OWN CIRCUIT NUMBER.
- A WP GFCI SHALL BE WITHIN 25' OF HVAC UNIT AND PANEL BOX.
- WATER HEATER WILL BE CONNECTED TO A J-BOX. (HARD WIRED)
- NO ELECTRICAL DEVICES SHALL IN THE SAME STUD BAY OF PLUMBING ITEMS.
- ALL MATERIALS USE SHALL BE UL TESTED.
- ANY WIRE SPLICE CONNECTIONS SHALL BE MADE WITH UL APPROVED CONNECTORS.
- FLEX CONDUITS, EMT, NON METALLIC WIRE HOUSING(ROMEX), OR ANY OTHER NEC APPROVED WIRING WILL BE USED PER BUILDING BASIS. (WIRING TYPE WILL BE LISTED IN PRINTS).
- STD RECEPETS HEIGHT WILL BE 15" A.F.F. (UNLESS NOTED OTHERWISE.)
- ALL SWITCHES WILL BE MOUNTED @ 46" A.F.F. (U.N.O.)
- ALARM SYSTEM WILL BE PROVIDED PER BUILDING BASIS AS PER OCCUPANCY AND CODE.
- EXIT SIGNS WILL BE PROVIDED IF REQUIRED PER CODE.
- ALL MOUNTING HEIGHTS WILL BE MEASURED FROM FINISH FLOOR TO THE TOP (U.N.O.)
- 2x4 J-BOX w/ 1/2" CONDUIT STUBBED THRU FLOOR OR CEILING WILL BE STANDARD FOR PHONE JACKS. (MOUNTED AT 15" A.F.F. U.N.O.)
- PANEL BOXES MOUNTING HEIGHTS WILL VARY DEPENDING ON SIZE, INTERIOR OR EXTERIOR MOUNTED. SPECIFIC MOUNTING HEIGHT WILL BE NOTED ON PRINTS.)
- NO MORE THAN (10) INTERIOR LIGHTS WILL BE WIRED TO ONE CIRCUIT.

BREAKER SIZE	WIRE SIZE
20 AMP	#12
30 AMP	#10
40 AMP	#8
50 AMP	#6
60 AMP	#6

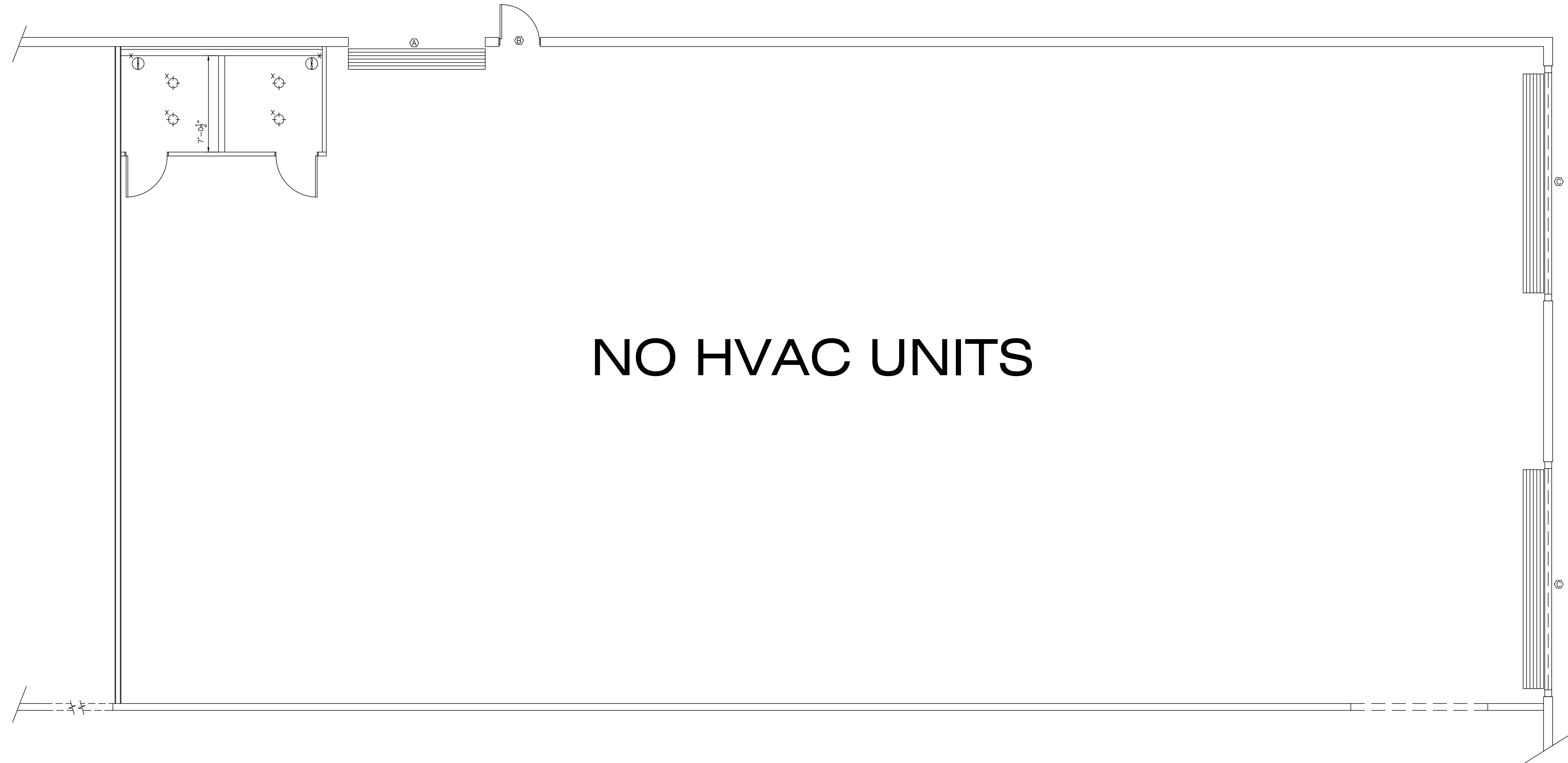
PROFESSIONAL STAMP

51STATE

REGISTERED ELECTRICAL ENGINEER, STATE OF ARIZONA

DATE: 6-30-21
 DRAFTSMAN: ANGEL R TORRES
 PROFESSIONAL: ANGEL R TORRES
 STATE: AZ
 DRAWING #: Factory Arch Sheets
 PROJECT #: 51State Factory

SHEET NO. E1.0



NO HVAC UNITS

 **MECHANICAL PLAN**

SCALE :

$\frac{1}{4}'' = 1'-0''$

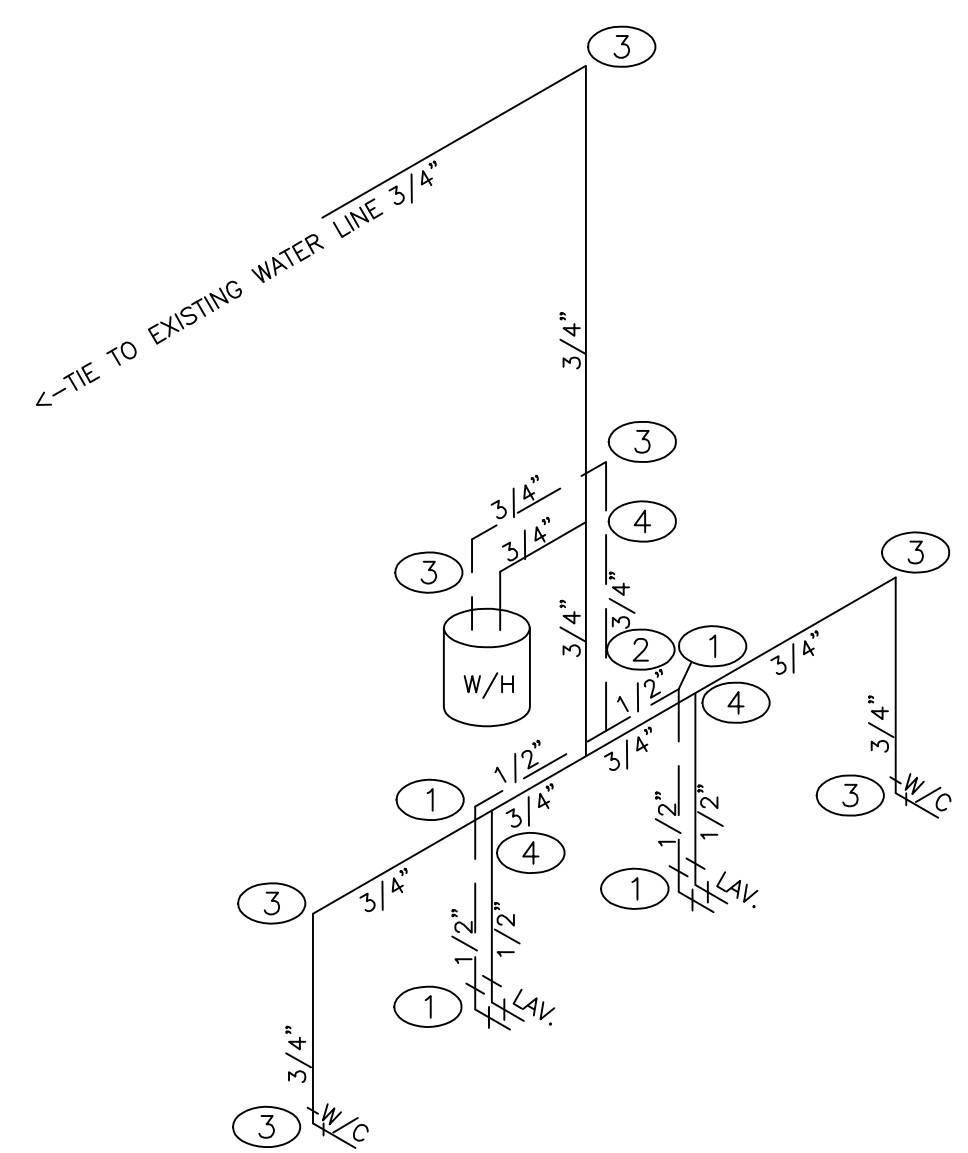
REVISIONS	
NO	DESCRIPTION

51STATE
PROFESSIONAL ARCHITECTURE, INTERIOR DESIGN & SPACE MANAGEMENT SOLUTIONS

DATE:
6-30-21
 DRAFTSMAN
ANGEL R TORRES
 PROFESSIONAL
ANGEL R TORRES
 STATE:
AZ
 DRAWING #:
Factory Arch Sheets
 PROJECT #:
51State Factory

SHEET NO.
M1.0

PROFESSIONAL STAMP



WATER SUPPLY FITTINGS	
①	1/2" EL
②	1/2" TEE
③	3/4" EL
④	3/4" TEE

WATER CALCULATIONS PER 2009 IPC			
F.U.	QTY	=	FIXTURE UNITS
WATER CLOSET 2.5	2	=	5
LAVATORY 1.0	2	=	2
TOTAL WATER FIXTURE UNITS = 7			

TABLE 604.10.1 MANIFOLD SIZE		
SIZE	VELOCITY AT 4' PER SECOND	VELOCITY AT 8' PER SECOND
1/2"	2 F.U.	5 F.U.
3/4"	6 F.U.	11 F.U.
1"	10 F.U.	20 F.U.
1 1/4"	15 F.U.	31 F.U.
1 1/2"	22 F.U.	44 F.U.

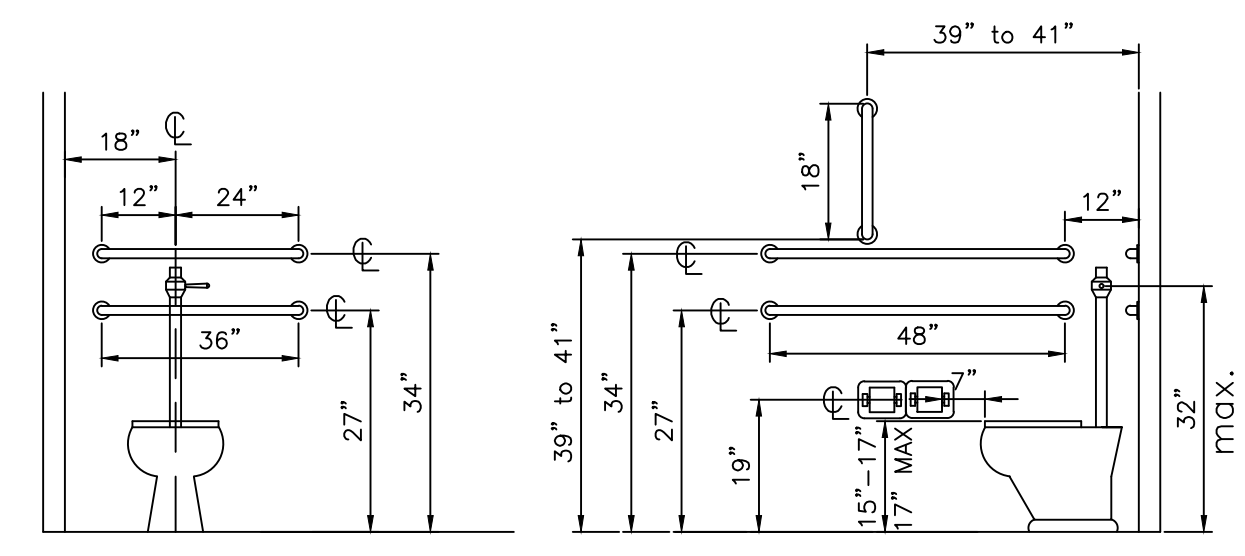
PLUMBING SCHEDULE		
SYMBOL	DESCRIPTION	QTY
	FLOOR MNT'D ELONGATED BOWL FOR THE HANDICAPPED W/ STANDARD TANK (NO BRAND SPECIFIED)	2
	WALL HUNG LAVATORY W/ 29" SPACE UNDERNEATH RIM FOR HANDICAPPED W/ STANDARD FAUCETS (NO BRAND SPECIFIED)	2
	6 GAL ELECTRIC WATER HEATER. (240V) (NO BRAND SPECIFIED)	1
	ONE SET GRAB BARS, INCLUDES: (1) 36" LONG & (1) 48" LONG. MOUNTED @ 34" A.F.F.	2
	TOILET PAPER HOLDER (NO BRAND SPECIFIED)	2
	24"x36" MIRROR @ 40" A.F.F. (NO BRAND SPECIFIED)	2
	LIQUID SOAP DISPENSER MOUNTED @ 36" A.F.F. (NO BRAND SPECIFIED)	2
	SANITARY NAPKIN DISPOSAL @ 19" A.F.F. BRAND: BRADLEY #4781-15 OR EQUAL	1

NOTE: 1. ALL EXPOSED SUPPLY & DRAIN PIPES TO BE INSULATED.
2. CAULK AND FILL GAP BEHIND MIRRORS AND DISPENSERS.

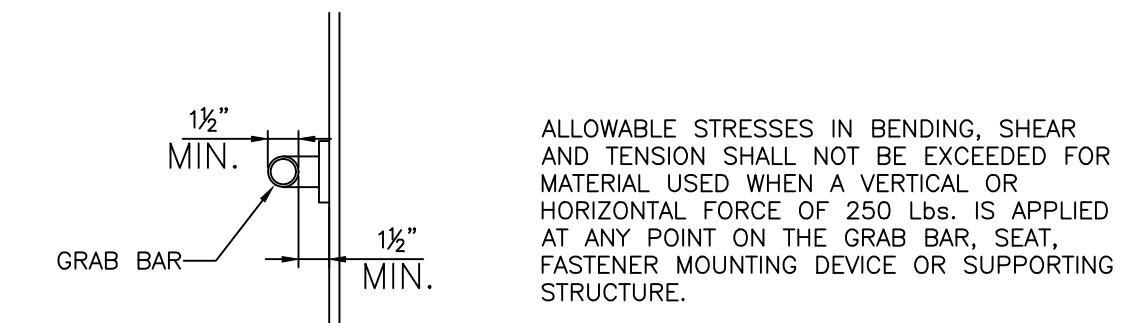
REVISIONS	
NO	DESCRIPTION

SUPPLY LINES NOTES

- MAXIMUM PRESSURE RANGE @ POINT OF CONNECTION 30 TO 45 PSI
GREATEST DEVELOPED LENGTH 100'
- DESIGNED FOR A MAX OF 1.6 CPF WATER CLOSET.
 - ALL WATER LINES TO BE UL LISTED MATERIALS, COPPER, K, L, M OR PEX.
 - WATER PIPING TO BE SUPPORTED AS PER CODE.
 - WATER LINES WILL BE TESTED AT FACTORY.
 - ENCLOSED WATER HEATERS SHALL HAVE AN ACCESS OPENING GREATER THAN THE TANK SIZE. INSIDE CABINETS, A MINIMUM OF A 24" WIDE DOOR SHALL BE PROVIDED.
 - WATER HEATERS INSTALLATION SHALL COMPLY WITH THE MANUFACTURER INSTALLATION & INSTRUCTIONS. ONLY APPROVED, TESTED AND LABELED WATER HEATER SHALL BE PROVIDED.



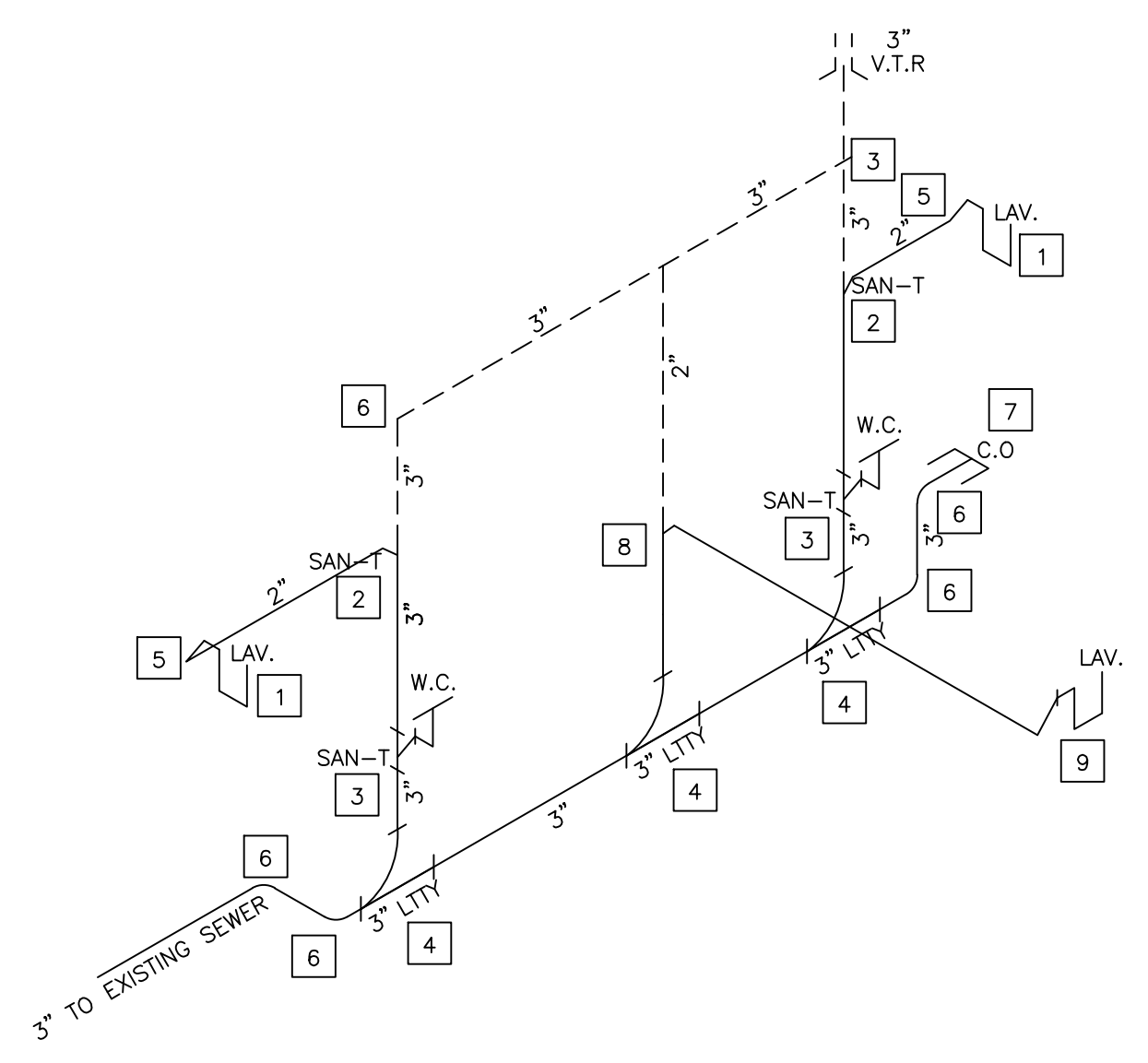
TOILET & GRAB BAR



GRAB BAR

ALLOWABLE STRESSES IN BENDING, SHEAR AND TENSION SHALL NOT BE EXCEEDED FOR MATERIAL USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 LBS. IS APPLIED AT ANY POINT ON THE GRAB BAR, SEAT, FASTENER MOUNTING DEVICE OR SUPPORTING STRUCTURE.

COLD & HOT SCHEMATIC



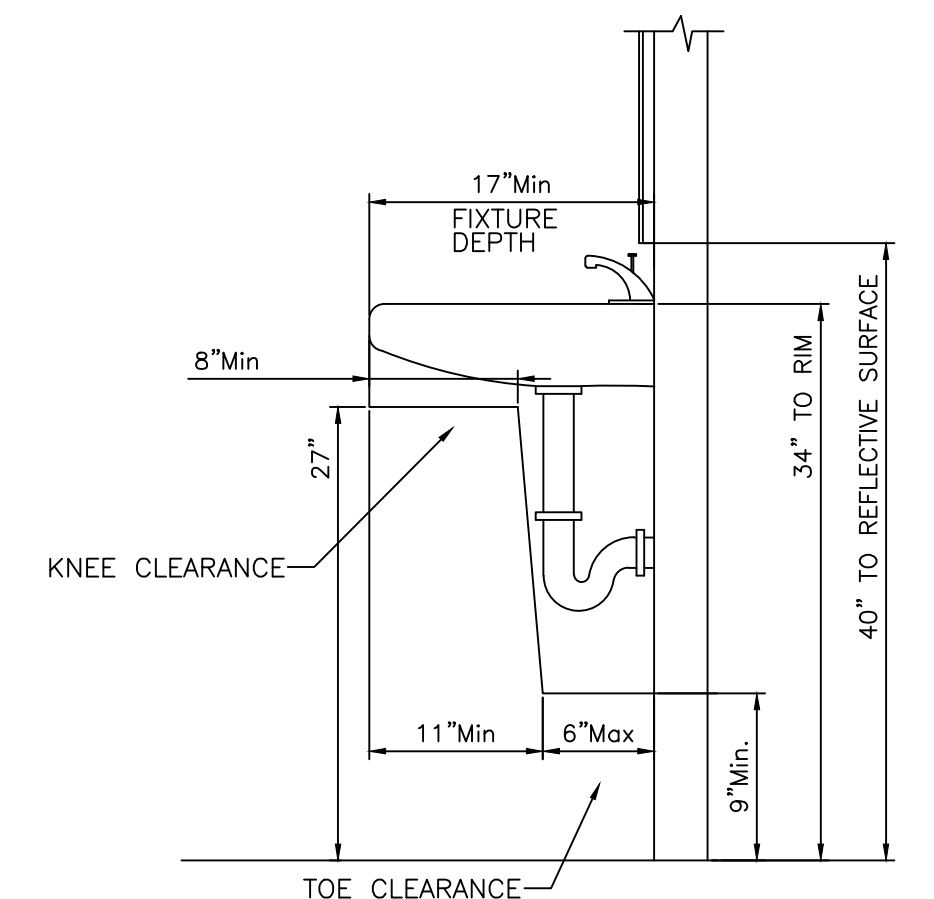
WASTE FIXTURE SIZES	
①	1 1/2" P-TRAP
②	3" X 3" X 2" P-TRAP
③	3" SAN-TEE
④	3" LTTY
⑤	2" BEND
⑥	3" BEND
⑦	3" CLEAN OUT
⑧	2" SAN-TEE
⑨	2" P-TRAP

WASTE CALCULATIONS PER 2009 IPC			
D.F.U.	QTY	=	DRAIN FIXTURE UNITS
WATER CLOSET 3	2	=	6
LAVATORY 1	2	=	2
TOTAL DRAIN FIXTURE UNITS = 8			

TABLE 710.1 MANIFOLD SIZE		
SIZE	MAX D.F.U.	MIN. SLOPE
1 1/2"	3 D.F.U.	1/4" PER FT.
2"	21 D.F.U.	1/4" PER FT.
2 1/2"	24 D.F.U.	1/4" PER FT.
3"	42 D.F.U.	1/4" PER FT.
4"	216 D.F.U.	1/4" PER FT.

DRAIN LINES NOTES

- DRAIN LINES WILL BE TESTED AT FACTORY.
- ONLY UL APPROVED MATERIALS WILL BE USED. ABS, DWV.
- CLEANOUT SHALL COMPLY WITH SECTION CURRENT PLUMBING CODE (SEE GENERAL NOTES).
- ANY TURN OR CHANGE OF DRAIN FLOW SHALL BE MADE USING AN APPROVED FITTING. ANGLES EXAMPLE: (11,1/4")(22,1/2")(45)(60)(90).
- CLEANOUTS MUST HAVE A CLEARANCE OF 18" IN FRONT OF OPENING.
- BACK TO BACK PLUMBING DRAIN SHALL BE MADE WITH A LONG TURN WYE OR OTHER APPROVED FITTING.
- ALL HORIZONTAL DRAIN LINES SHALL KEEP A MIN. OF 1/4" PER FOOT SLOPE.
- ALL HORIZONTAL DRAIN LINES SHALL BE SUPPORTED COMPLYING CURRENT PLUMBING CODE.
- VERTICAL TO HORIZONTAL DRAIN SHALL BE MADE OF A 45 DEGREE FITTING OR OTHER APPROVED FITTING.



LAVATORY SECTION

NOTE: ADD 2X6 BLOCKING FOR ALL WALL MOUNTED PLUMBING FIXTURES

WASTE AND VENT SCHEMATIC

PLUMBING PLAN

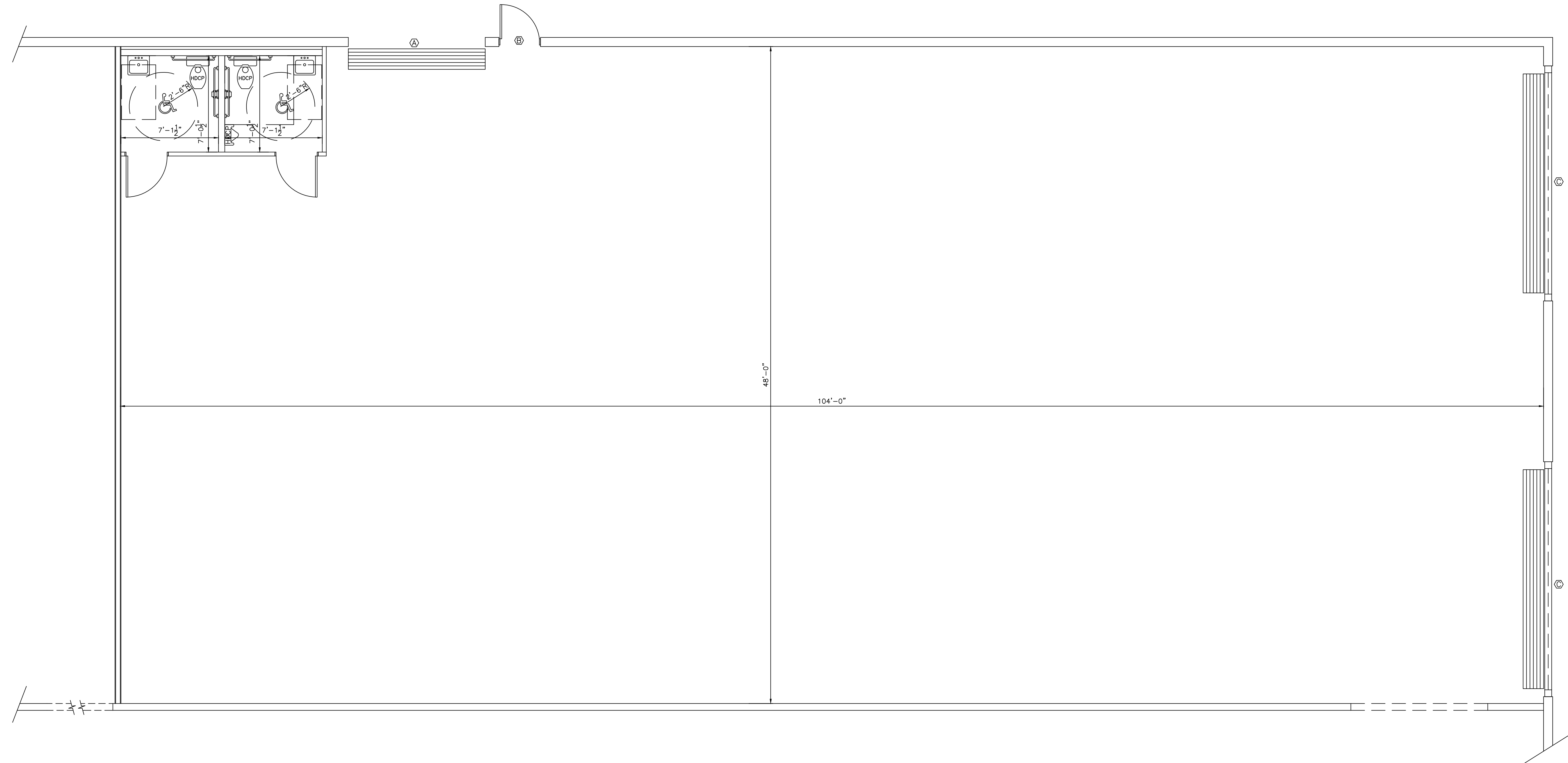
SCALE : NOT TO SCALE

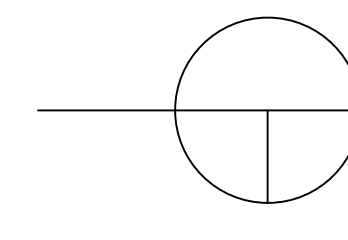
51STATE

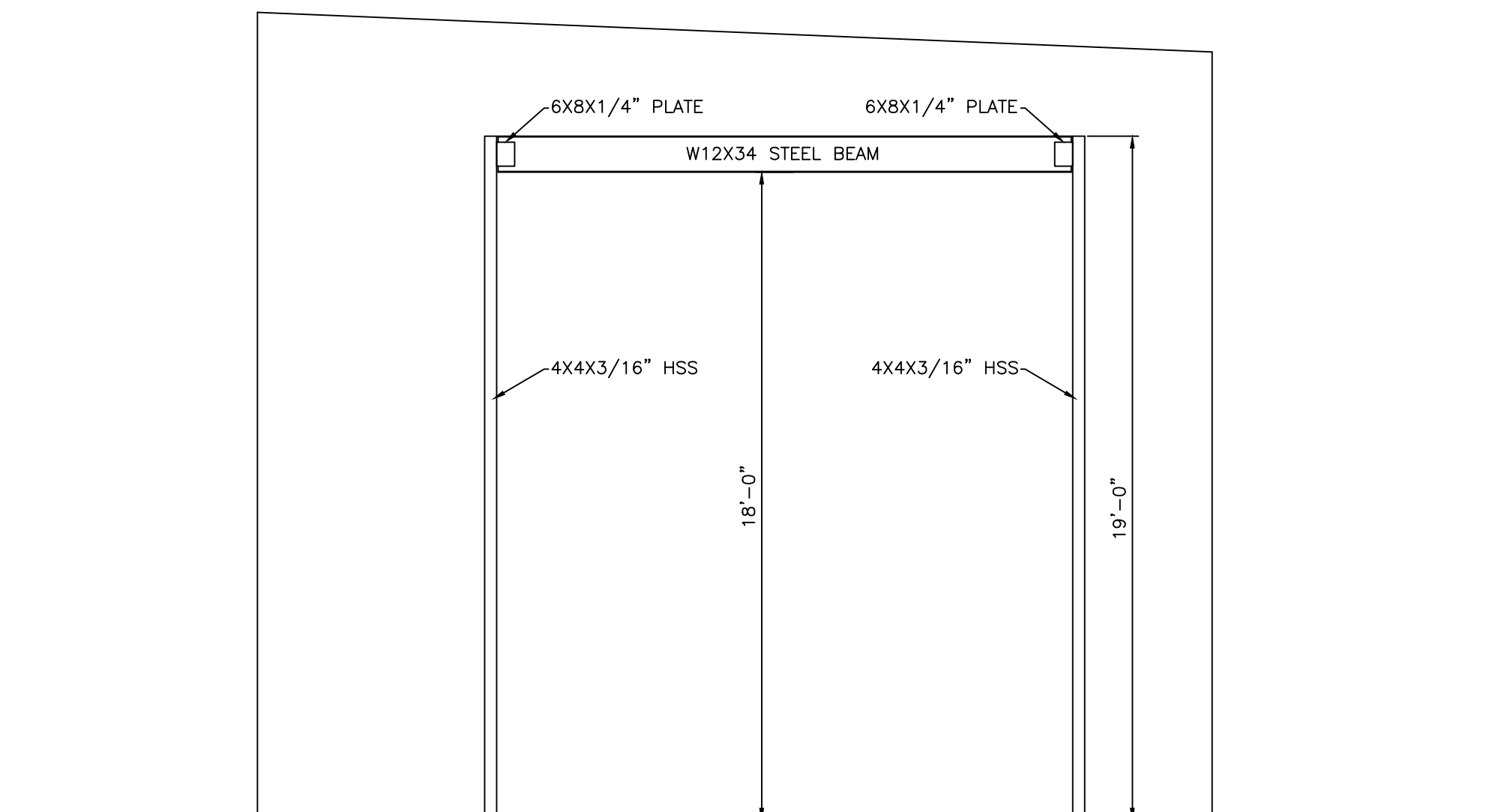
DATE: 6-30-21
DRAFTSMAN: ANGEL R TORRES
PROFESSIONAL: ANGEL R TORRES
STATE: AZ
DRAWING #: Factory Arch Sheets
PROJECT #: 51State Factory

SHEET NO. P1.0

PROFESSIONAL STAMP



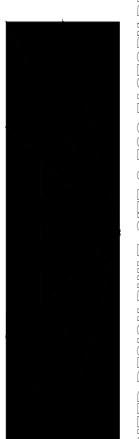

WALL-SET PLAN
 SCALE : $\frac{1}{4}'' = 1'-0''$



NEW ROLL UP HEADER TYP. DETAIL

PROFESSIONAL STAMP

REVISIONS	
NO	DESCRIPTION

51STATE

PROFESSIONAL ARCHITECTURE, ENGINEERING & INTERIOR DESIGN

DATE:
 6-30-21
 DRAFTSMAN
 ANGEL R TORRES
 PROFESSIONAL
 ANGEL R TORRES
 STATE:
 AZ
 DRAWING #:
 Factory Arch Sheets
 PROJECT #:
 51State Factory

SHEET NO.
S1.0