

No.	Revisions	Date

VERSION 3.0

AL ARANDA

COVER SHEET

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD
G001	
Scale	

4/3/2020 9:29:36 AM



PROJECT CODE ANALYSIS

OCCUPANCY CLASSIFICATION (IBC 2015 - SECTION 311)

NEW BUILDING S-2 - STORAGE

CONSTRUCTION TYPE (IBC 2015 - TABLE 601)

NEW BUILDING II-B

ALLOWABLE AREA (IBC 2015 - TABLE 506)

ALLOWABLE S.F.:	TYPE	ALLOWABLE	TOTAL
	S-2		
	TOTAL		

OCCUPANCY LOAD (IBC 2015 - TABLE 1004.1.2)

ADDITION / ALTERATION	SF	FACTOR	OCCUPANCY
ACCESSORY STORAGE / MECHANICAL BUSINESS AREAS			
BREAKROOM, CORRIDOR, RESTROOM			
WAREHOUSE			
TOTAL			

MECHANICAL SUB-CONTRACTOR

LICENSE NUMBER: _____

COMPANY NAME: _____

PHONE NUMBER: _____

ELECTRICAL SUB-CONTRACTOR

LICENSE NUMBER: _____

COMPANY NAME: _____

PHONE NUMBER: _____

PLUMBING SUB-CONTRACTOR

LICENSE NUMBER: _____

COMPANY NAME: _____

PHONE NUMBER: _____

INDEX OF DRAWINGS

CIVIL

G002 TEXAS ACCESSIBILITY STANDARDS

STRUCTURAL

S101 FOUNDATION PLAN
 S102 FOUNDATION DETAILS PLAN
 S201 STRUCTURAL PLAN
 S202 FRAME LINES

ARCHITECTURAL

A101 FLOOR PLAN
 A102 DIMENSIONS PLAN
 A103 DIMENSIONS PLAN
 A201 ELEVATION PLAN

MEP

RCP101 REFLECTIVE CEILING PLAN
 M101 MECHANICAL PLAN
 E101 ELECTRICAL PLANS
 E102 ELECTRICAL PLANS
 P101 PLUMBING PLANS

GENERAL FOUNDATION NOTES

- ALL CONCRETE TO BE 3000 PSI UNLESS OTHERWISE NOTED, WITH A 4" TO 6" SLUMP.
- FLAT WORK CONCRETE TO CONTAIN 2 LB. FIBER MESH PER YARD OF CONCRETE. (DOES NOT INCLUDE FOOTINGS OR PIERS)
- NO FLY ASH TO BE ALLOWED IN THE CONCRETE PER CUSTOMER DIRECTIVE.
- ALL REBAR TO HAVE A MINIMUM COVER OF 2 INCHES UNLESS OTHERWISE NOTED.
- ALL CONCRETE TO BE PLACED ON COMPACTED FILL OR SUBGRADE.
- ALL REBAR TO BE PLACED AS SHOWN ON DRAWINGS AND WIRE TIED. NO WELDING PERMITTED.
- CURE SLAB WITH SPRAY CURING COMPOUND.
- 1" DEEP X 3/16" WIDE SAW-CUT CONTROL JOINTS AT A MAXIMUM OF 20'X20' SPACING.

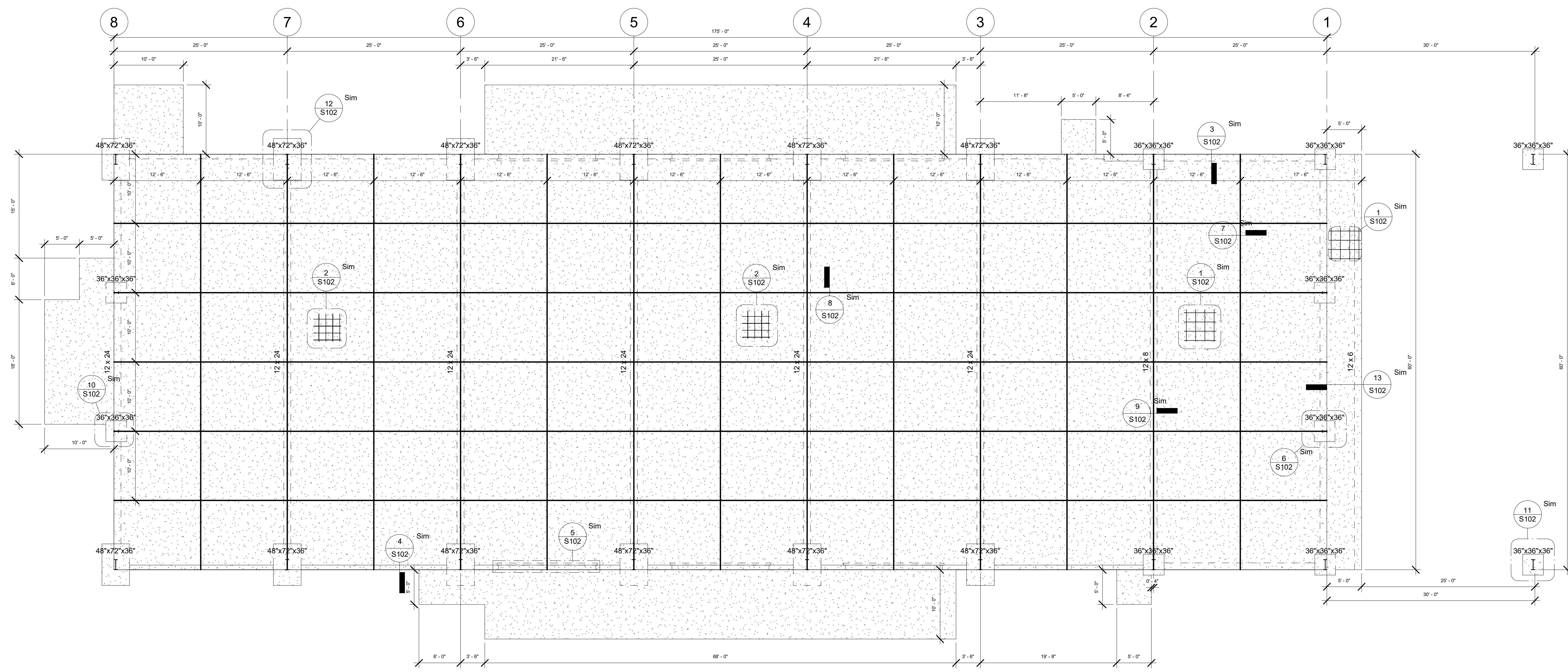
No.	Revisions	Date

VERSION 3.0

AL ARANDA

FOUNDATION PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD
S101	
Scale	1/8" = 1'-0"
4/3/2020 9:29:44 AM	



① FOUNDATION

1/8" = 1'-0"

VERSION 3.0

AL ARANDA

FOUNDATION DETAILS PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

S102

As indicated

This figure contains 13 detailed technical drawings of concrete structures, labeled 1 through 13. The drawings include:

- 1 FLOOR DETAIL -- 4" SLAB**: Shows a 4" thick slab with a 3/4" (1'-0") thick top layer. Rebar is #3s @ 16" O.C.E.W. and #4s @ 12" O.C.E.W.
- 2 FLOOR DETAIL -- 6" SLAB**: Shows a 6" thick slab with a 3/4" (1'-0") thick top layer. Rebar is #3s @ 16" O.C.E.W. and #4s @ 12" O.C.E.W.
- 3 FOOTING 12" x 24" -- 4" SLAB**: Shows a 12" x 24" footprint with a 4" thick slab. Rebar is #3 DOWEL @ 32", #3 REBAR @ 16", and (2) #4 T&B CONT. W/ #3 STIRRUPS @ 32" O.C.
- 4 FOOTING 12" x 24" -- 6" SLAB**: Shows a 12" x 24" footprint with a 6" thick slab. Rebar is #4 DOWEL @ 24", #4 REBAR @ 12", and (2) #4 T&B CONT. W/ #3 STIRRUPS @ 24" O.C.
- 5 OVERHEAD DOOR NOTCH**: Shows a rectangular notch in a slab for an overhead door, with dimensions 1 1/2" = 1'-0".
- 6 PIER 36" x 36" x 36" -- 4" SLAB**: Shows a 36" x 36" x 36" pier with a 4" thick slab. Rebar is #3 DOWEL @ 32" and #4 @ 6" O.C.E.W.
- 7 SAW CUT -- 4" SLAB**: Shows a 4" thick slab with a 1/8" x 1" saw cut (to be filled) and #3 REBAR @ 16" rebar.
- 8 SAW CUT -- 6" SLAB**: Shows a 6" thick slab with a 1/8" x 1" saw cut (to be filled) and #4 REBAR @ 12" rebar.
- 9 FOOTING -- 4" - 6" SLAB**: Shows a 4" - 6" thick slab with #3 REBAR @ 16" and #4 REBAR @ 12" rebar.
- 10 PIER 36" x 36" x 36" -- 6" SLAB**: Shows a 36" x 36" x 36" pier with a 6" thick slab. Rebar is #4 DOWEL @ 24", #4 REBAR @ 12", and #4 @ 6" O.C.E.W.
- 11 PIER 36" x 36" x 36" -- PIER ONLY**: Shows a 36" x 36" x 36" pier only, with a 3/4" (1'-0") thick top layer. Rebar is #4 @ 6" O.C.E.W. and (2) #4 T&B CONT. W/ #3 STIRRUPS @ 32" O.C.
- 12 PIER 48" x 72" x 36" -- CRANE 6" SLAB**: Shows a 48" x 72" x 36" pier with a 6" thick slab. Rebar is #4 DOWEL @ 24", #4 REBAR @ 12", #4 @ 6" O.C.E.W., and (2) #4 T&B CONT. W/ #3 STIRRUPS @ 24" O.C.
- 13 FOOTING -- 4" SIDEWALK**: Shows a 4" thick sidewalk with a 3/4" (1'-0") thick top layer. Rebar is #3 DOWEL @ 32", #3 REBAR @ 16", and (2) #4 T&B CONT. W/ #3 STIRRUPS @ 32" O.C. A note specifies "REBAR TO BE PLACED ACCORDING TO CONCRETE SUPERVISOR'S NOTES".

GENERAL STRUCTURAL NOTES

- 1. STRUCTURAL STEEL**
 - STRUCTURAL STEEL FOR ALL MEMBERS SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED.
 - ALL BOLTED CONNECTIONS SHALL BE STANDARD AMERICAN INSTITUTE OF STEEL CONSTRUCTION BOLTED CONNECTIONS, USING ASTM A325 BOLTS.
 - ALL WELDED CONNECTIONS SHALL CONFORM TO AMERICAN WELDING SOCIETY UNLESS OTHERWISE NOTED.
 - ALL STRUCTURAL MEMBERS TO BE ONE PIECE WITHOUT ANY SPLICES.
 - BURNING HOLES IN STRUCTURAL MEMBERS NOT PERMITTED WITHOUT PRIOR APPROVAL OF PROJECT ENGINEER.
 - ALL STEEL FABRICATION TO BE DONE IN STRICT COMPLIANCE WITH ASTM AND AISC STANDARDS.
- 2. STRUCTURAL STANDARDS**
 - A. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE); MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-93, AS AMENDED.
 - B. AMERICAN CONCRETE INSTITUTE (ACI); BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-89, AS AMENDED.
 - C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC); MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, NINTH EDITION, 2011, AS AMENDED.
 - D. CONCRETE REINFORCEMENT STEEL INSTITUTE (CRSI); BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-98, NINTH EDITION, 2002. AS AMENDED.

DESIGN LOADS

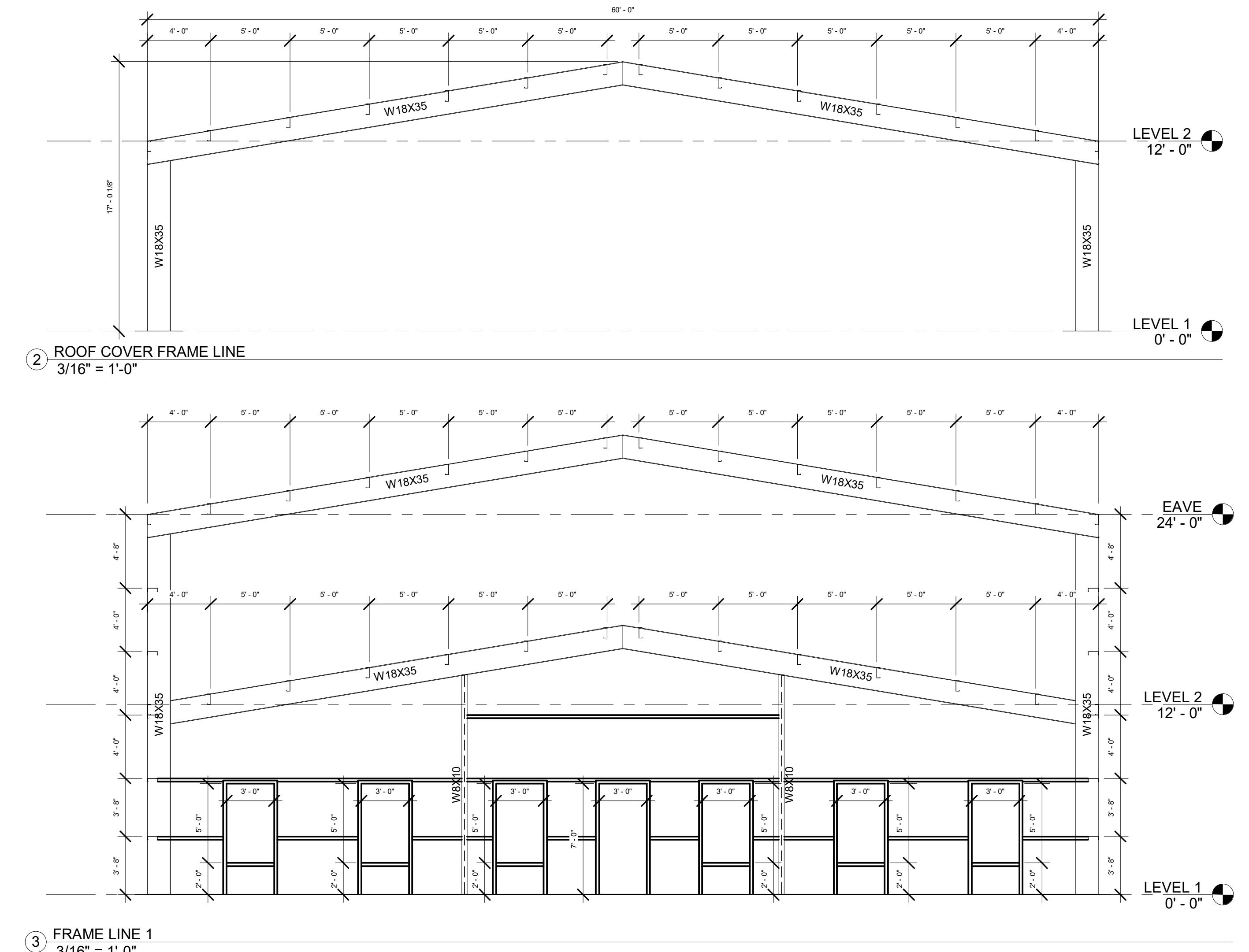
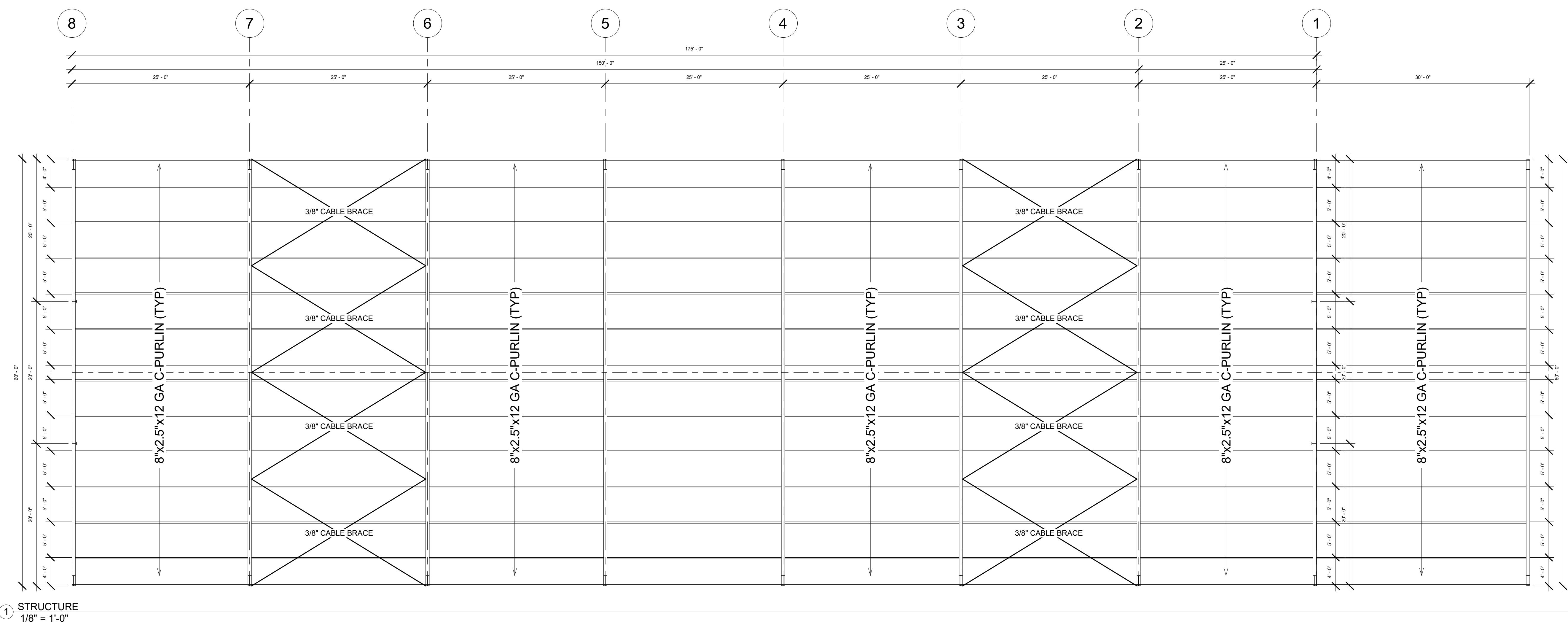
ROOF DEAD LOAD: 3 PSF
COLLATERAL LOAD: 3.00 PSF
ROOF LIVE LOAD: 20.00 PSF (reducible)
ROOF SNOW LOAD: 10.00 PSF
BASIC WIND SPEED: 90 MPH
SEISMIC ZONE: D

IMPORTANCE FACTORS:
WIND LOAD: 1.00
SNOW LOAD: 1.00
SEISMIC LOAD: 1.00

THE DESIGN LOADS AND COMBINATIONS ARE APPLIED IN ACCORDANCE
WITH THE FOLLOWING BUILDING CODE: IBC 2009

NOTES:

1. ROOF IS DESIGNED ON THE LARGER ROOF LIVE LOAD OR SNOW LOAD
2. THIS PROJECT IS DESIGNED AS PARTIAL ACCESSORIES (DOORS, WINDOWS, ETC.) BY OTHERS MUST BE DESIGNED AS "COMPONENT AND CLADDING" IN ACCORDANCE TO SPECIFIED WINDOW PROVISIONS OF THE REFERENCED BUILDING CODE



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O.	Revisions	Date

VERSION 3.0

AL ARANDA

STRUCTURAL PLAN

Object number	
Date	1/6/2023
Borrowed by	Mr. [Redacted]
Checked by	JL [Redacted]
S201	
Barcode	As indicated

No.	Revisions	Date

VERSION 3.0

AL ARANDA

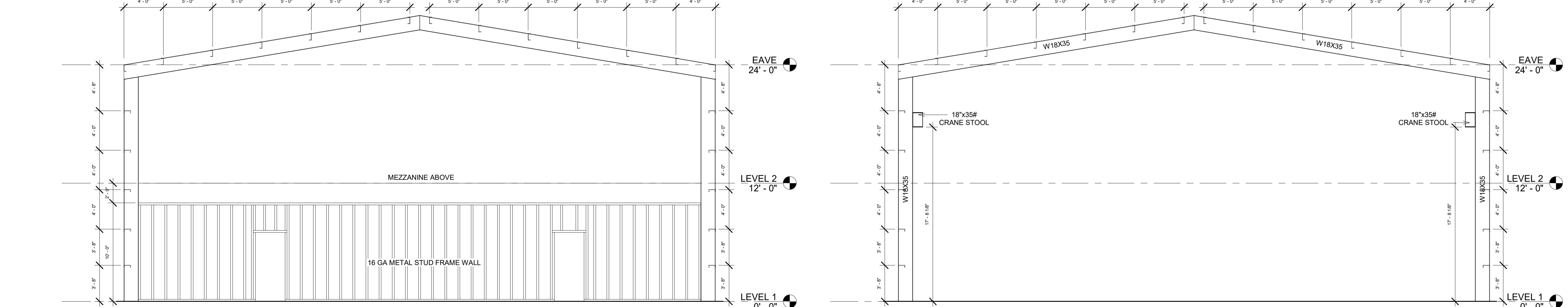
FRAME LINES

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

S202

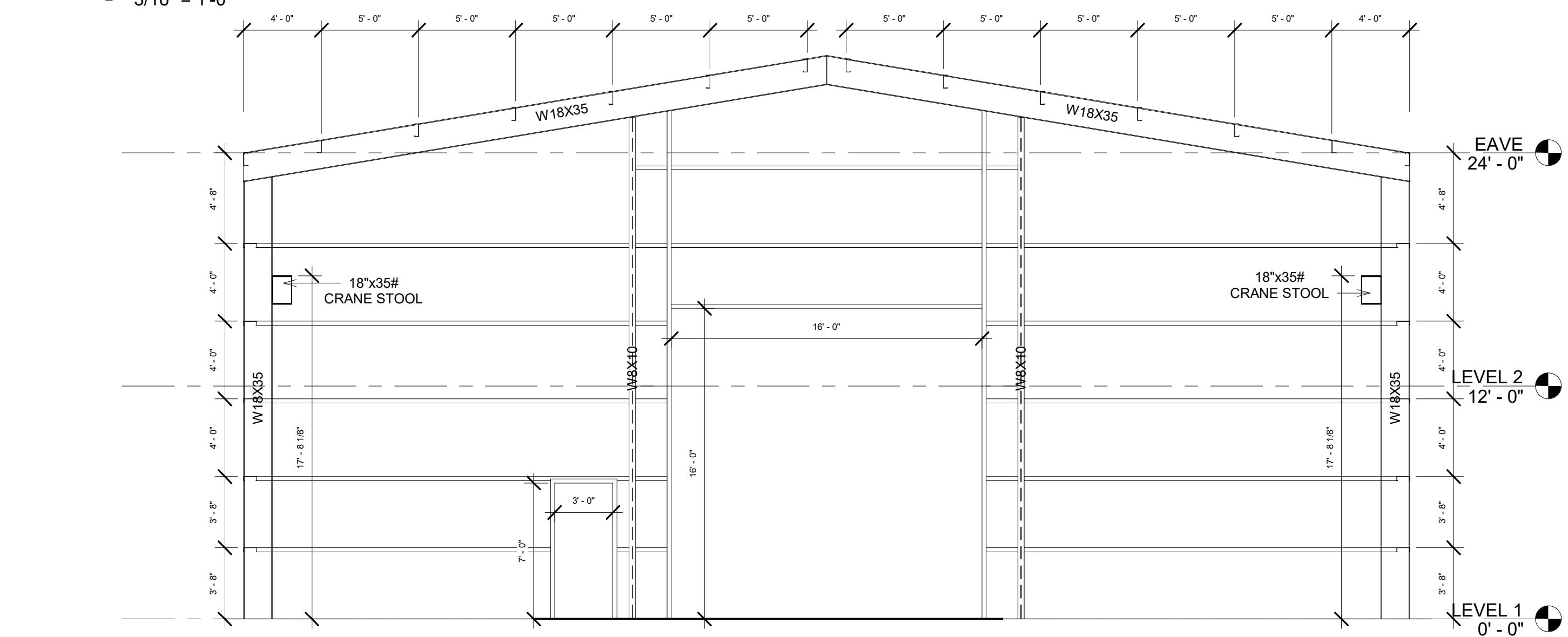
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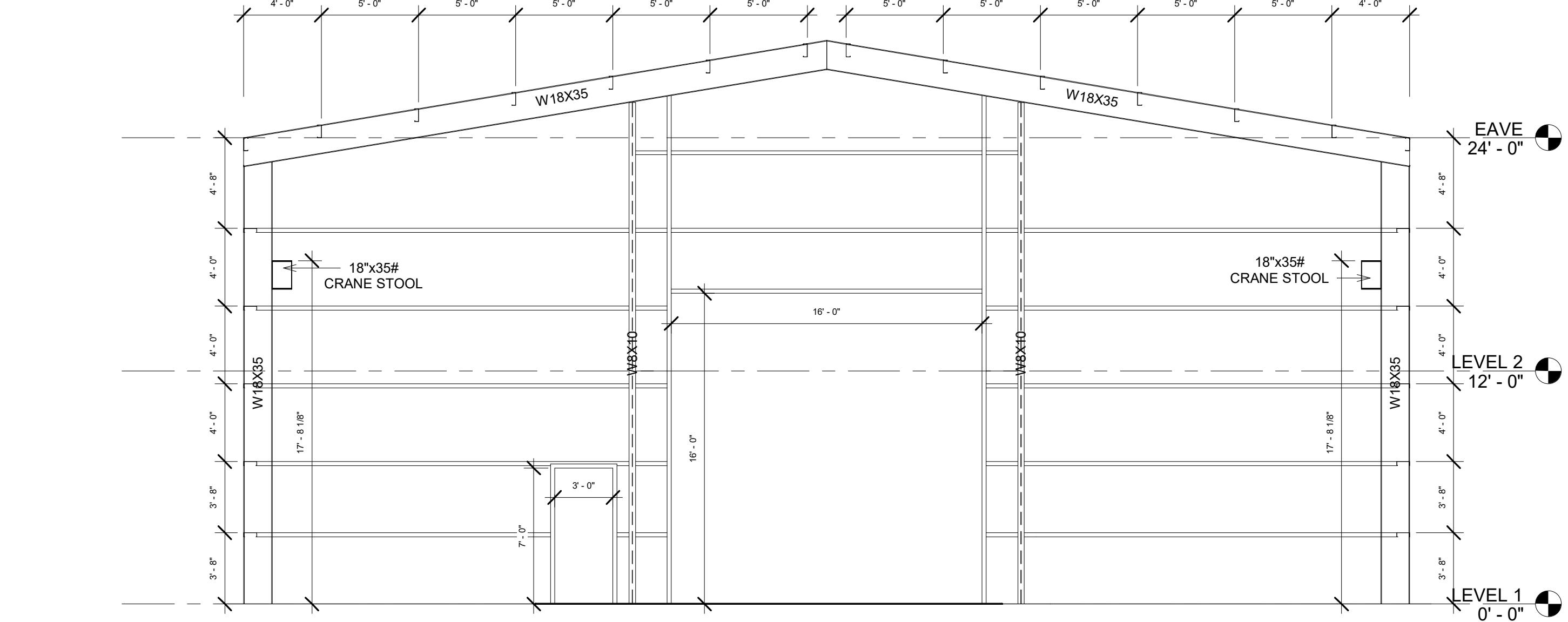
① FRAME LINE 2

3/16" = 1'-0"



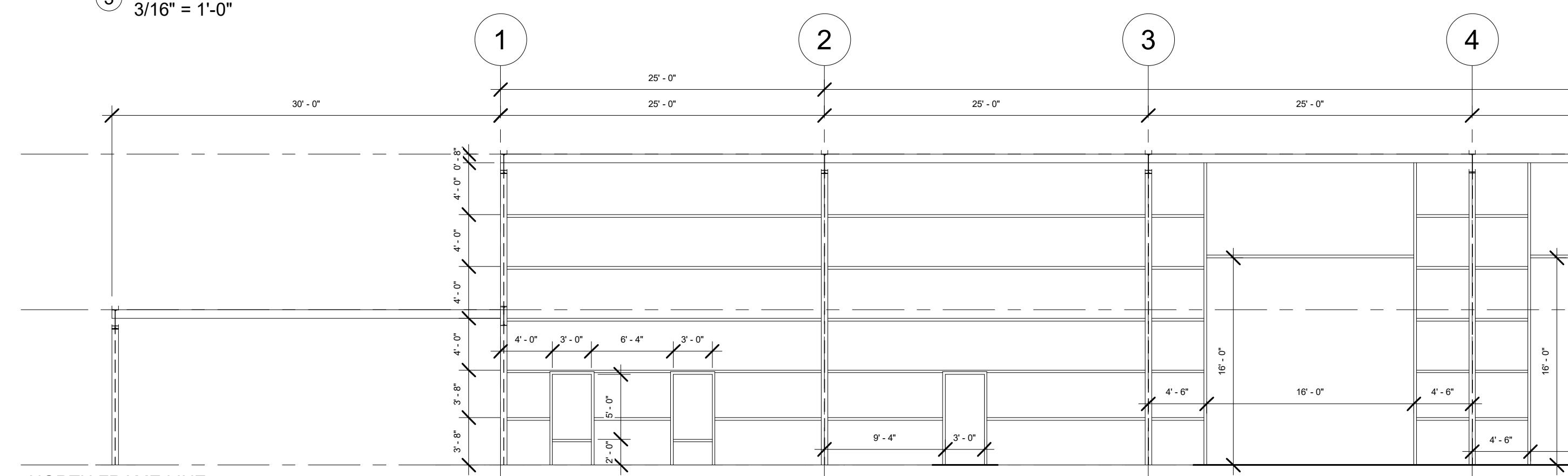
② FRAME LINE 3-7

3/16" = 1'-0"



③ FRAME LINE 8

3/16" = 1'-0"



④ NORTH FRAME LINE

1/8" = 1'-0"

⑤ SOUTH FRAME LINE

1/8" = 1'-0"

No.	Revisions	Date

VERSION 3.0

AL ARANDA

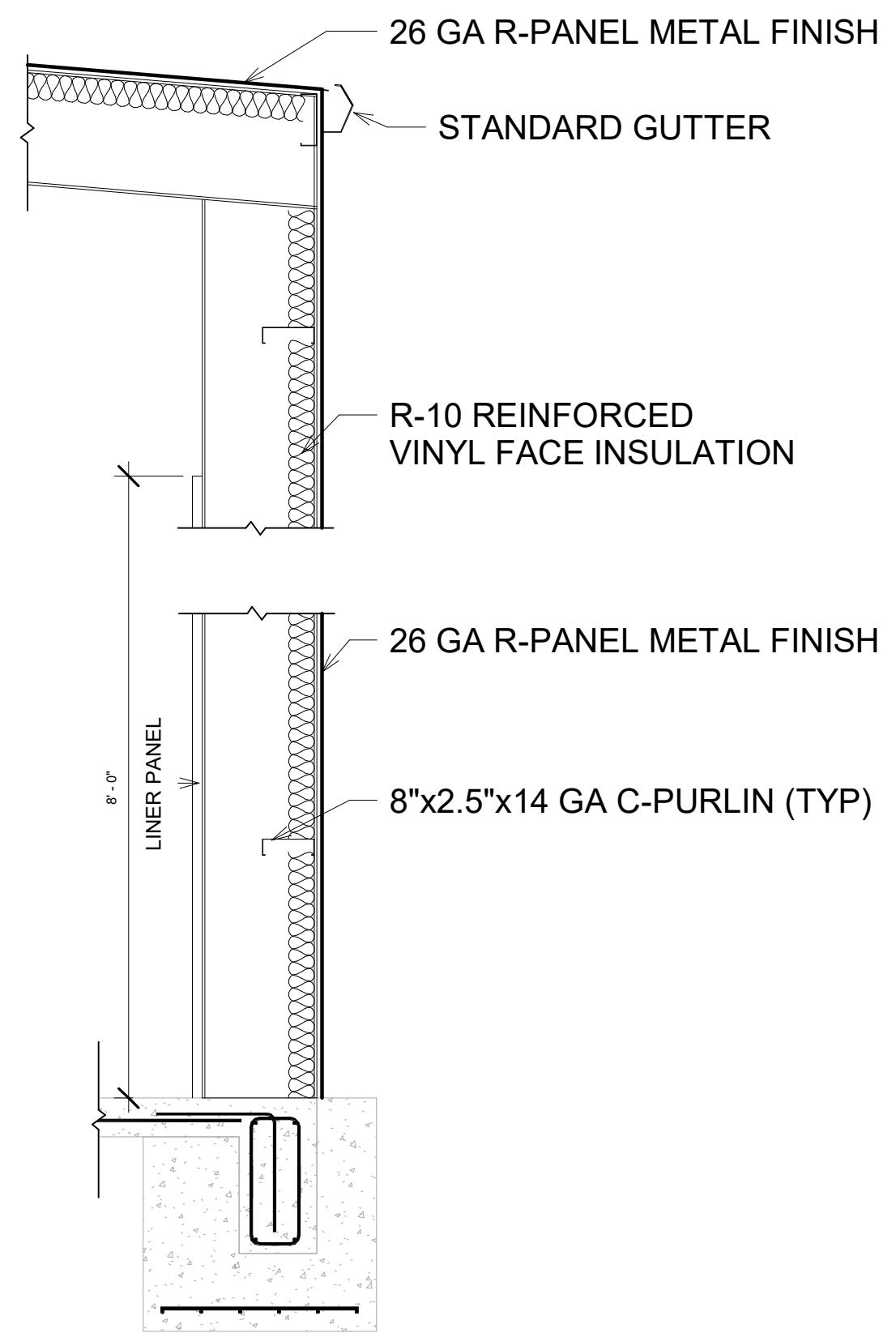
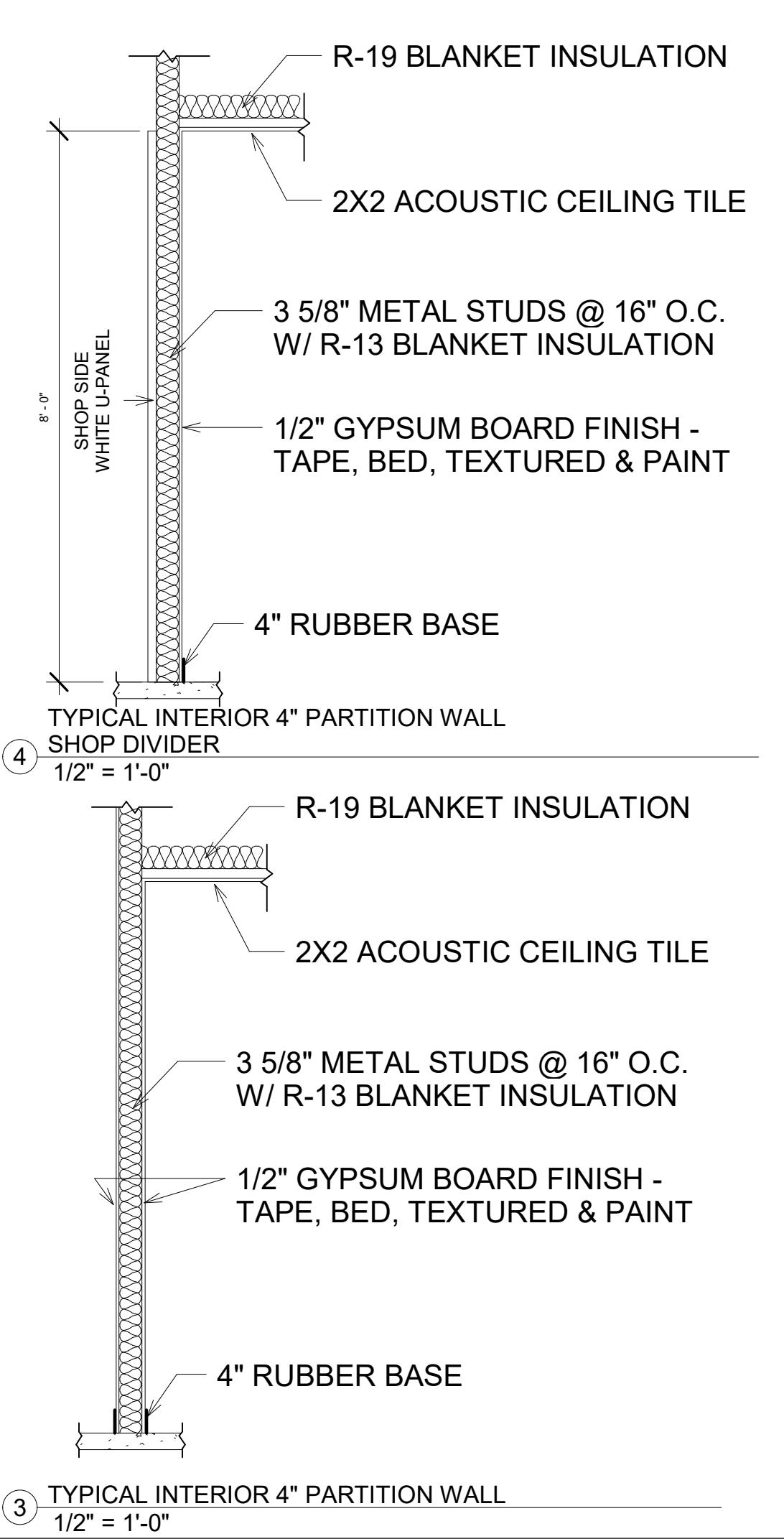
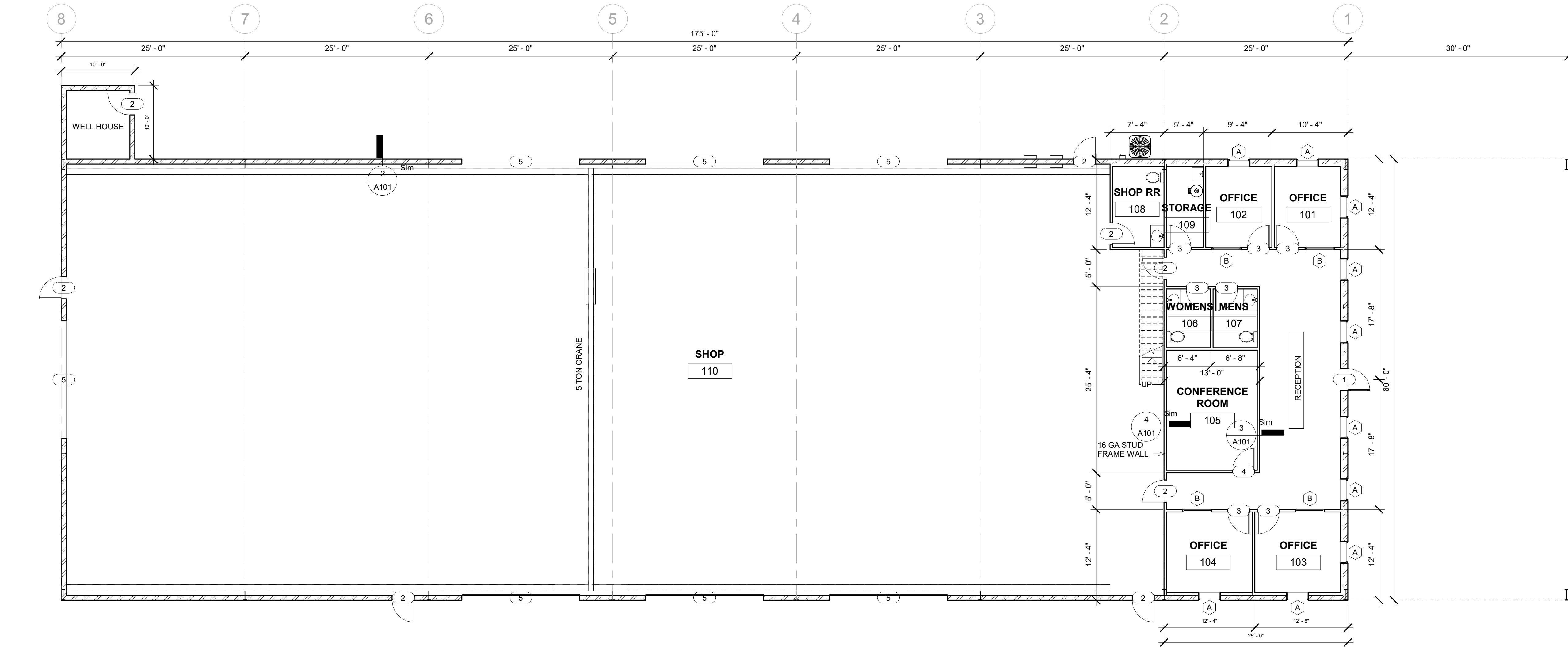
FLOOR PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

A101

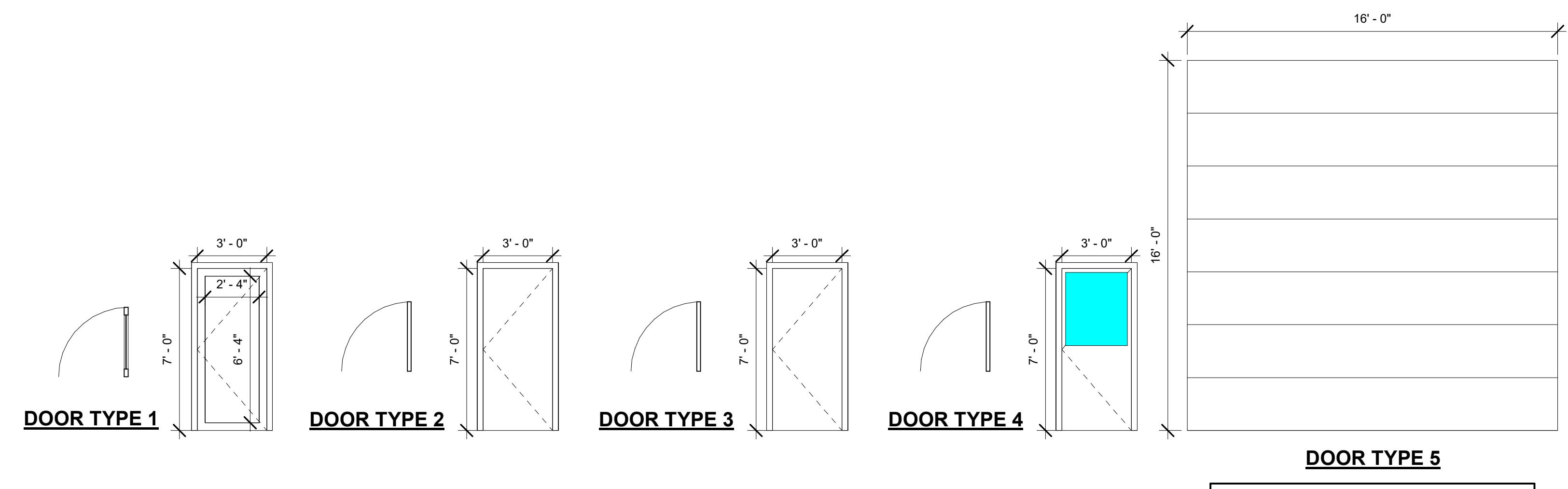
Scale As indicated

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WINDOW SCHEDULE					
MARK	QUANTITY	SIZE		SILL HEIGHT	CONSTRUCTION TYPE
A	10	3'- 0"	5'- 0"	2'- 0"	TEMPERED LOW-E BRONZE GLASS & ALUMINUM
B	4	4'- 0"	4'- 0"	3'- 0"	TEMPERED LOW-E BRONZE GLASS & ALUMINUM

DOOR SCHEDULE					
MARK	QUANTITY	SIZE		CONSTRUCTION TYPE	FINISH FRAME MATERIAL
1	1	3'- 0"	7'- 0"	TEMPERED LOW-E BRONZE GLASS	
2	8	3'- 0"	7'- 0"	INSULATED METAL	
3	7	3'- 0"	7'- 0"	SOLID WOOD CORE	
4	1	3'- 0"	7'- 0"	SOLID WOOD CORE	HALF GLASS
5	7	16'- 0"	16'- 0"	NON-INSULATED STEEL BACK SECTIONAL	MANUAL OPERATED



DOOR LEGEND
1/4" = 1'-0"

VERSION 3.0

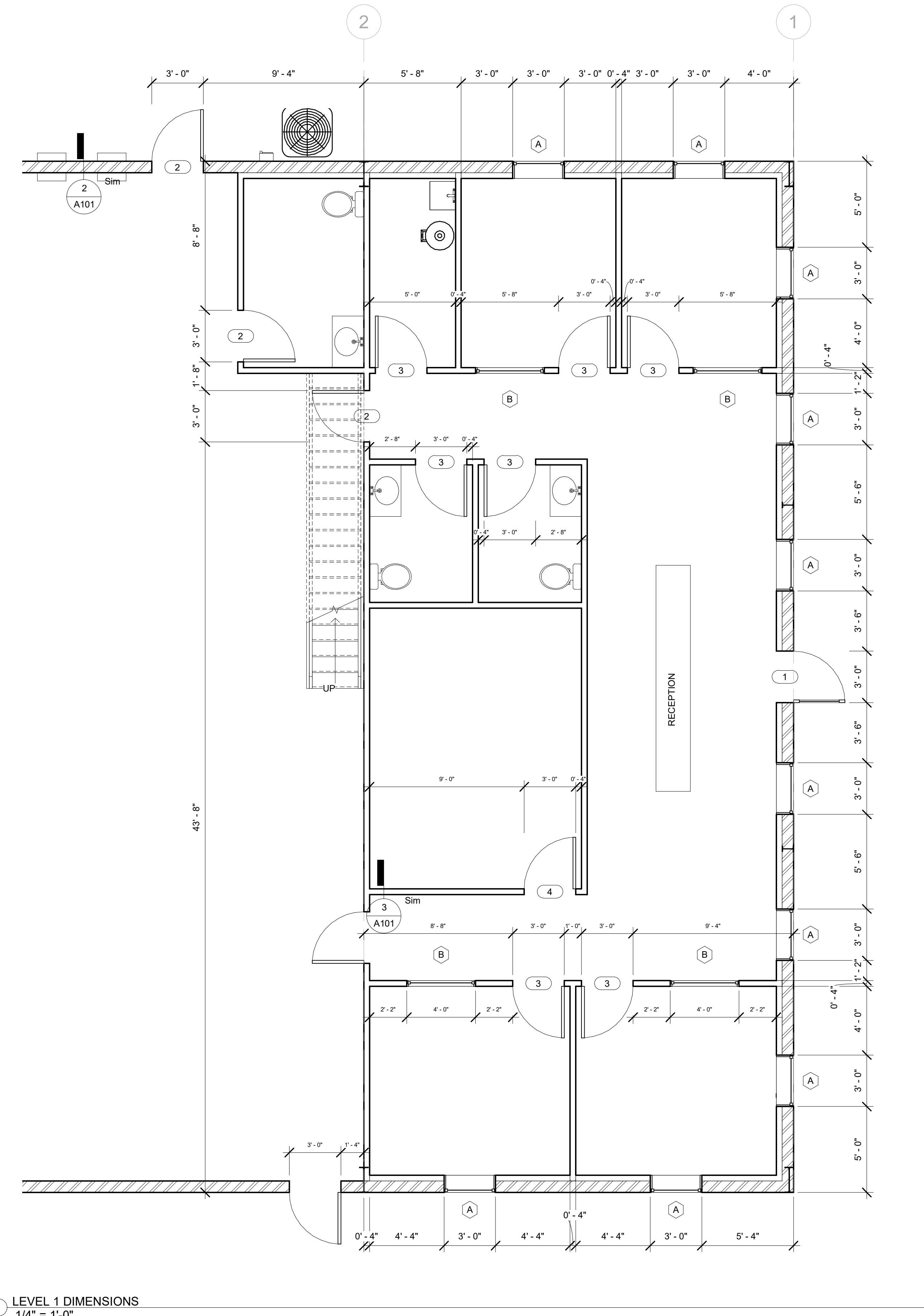
AL ARANDA

DIMENSIONS PLAN

ect number _____
1/6/20
wn by _____ MF
cked by _____ JD

A102

1/4" = 1'-0"



1 LEVEL 1 DIMENSION
1/4" = 1'-0"

No.	Revisions	Date

VERSION 3.0

AL ARANDA

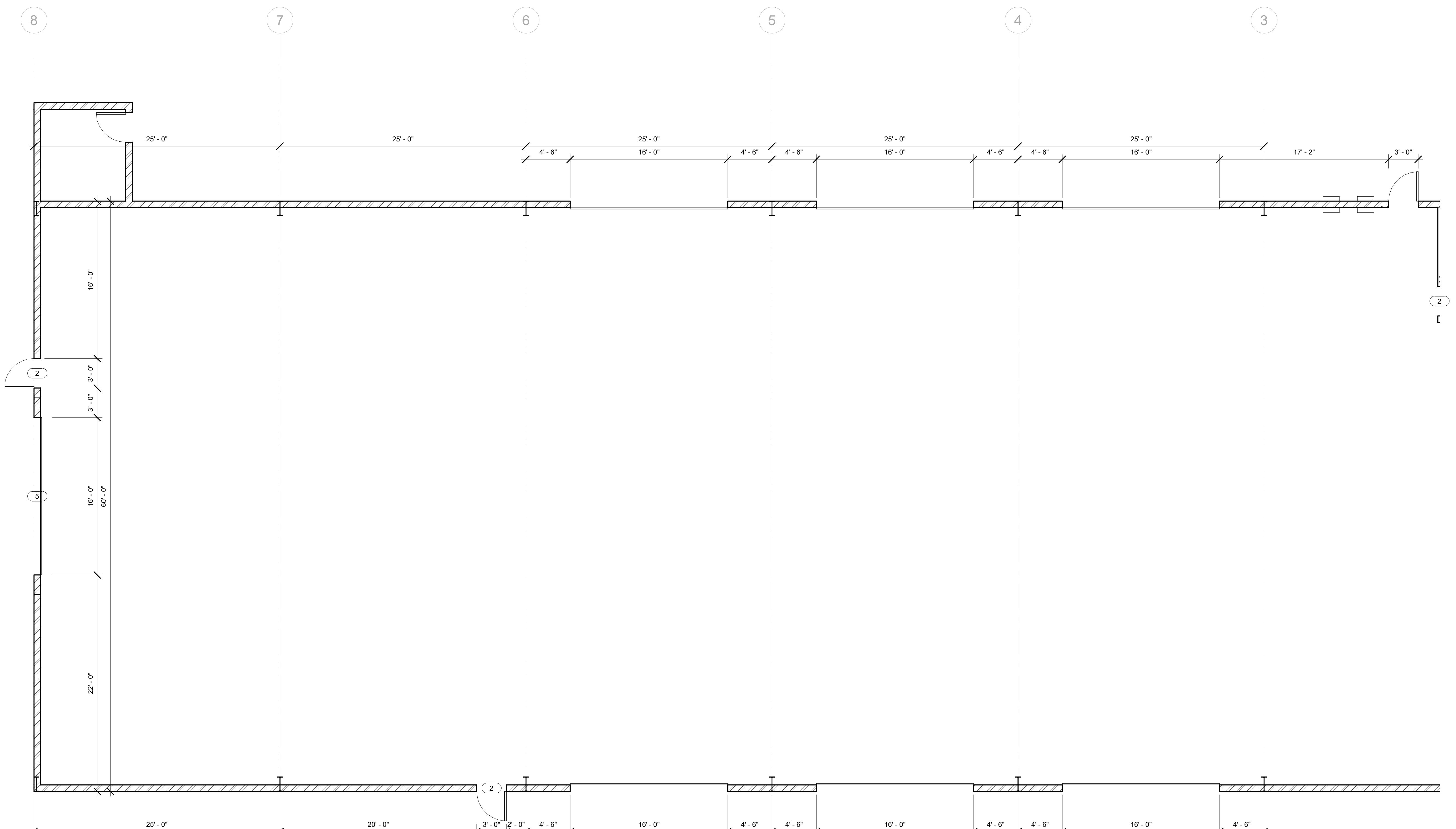
DIMENSIONS PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

A103

3/16" = 1'-0"

4/3/2020 9:29:33 AM



① LEVEL 1 DIMENSIONS CONTINUED
3/16" = 1'-0"

No.	Revisions	Date

VERSION 3.0

AL ARANDA

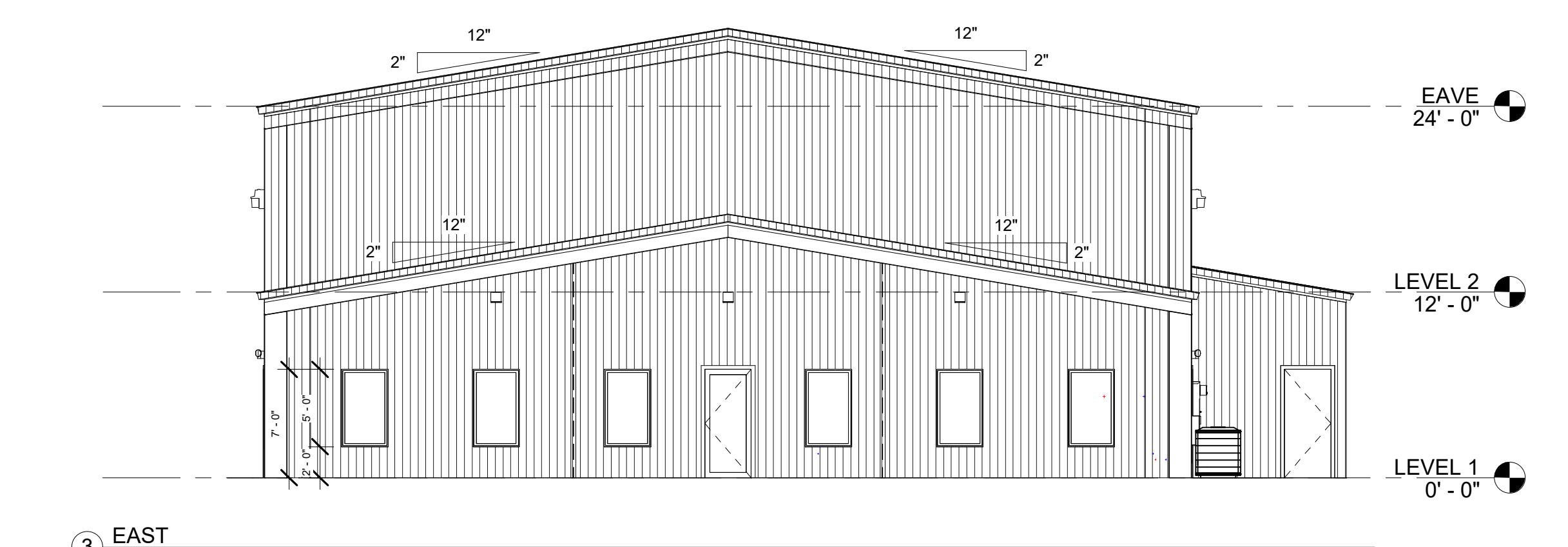
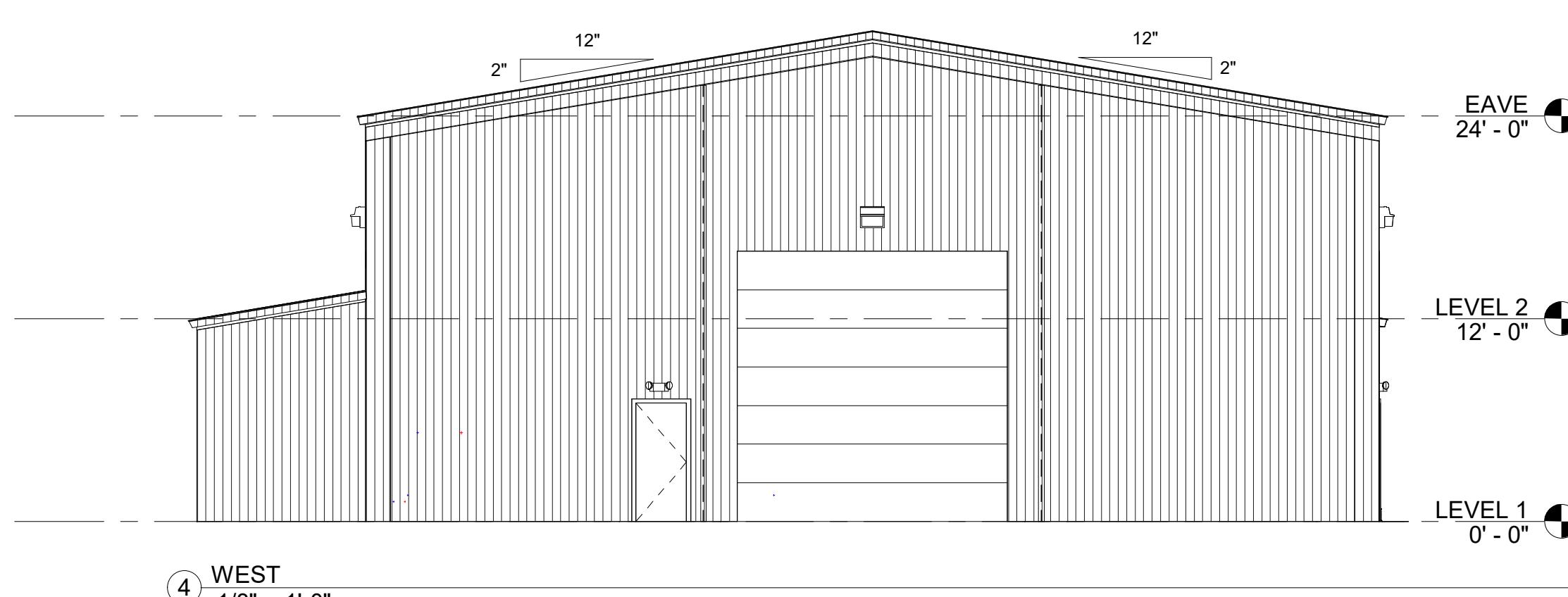
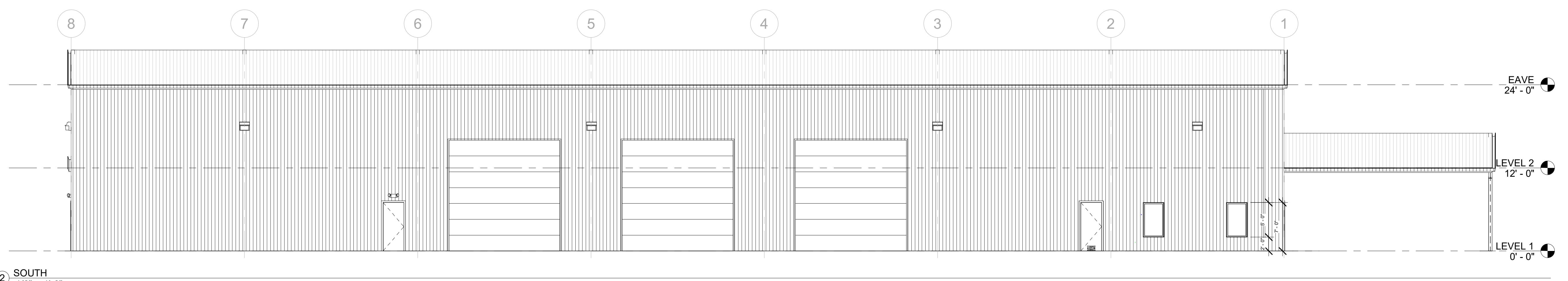
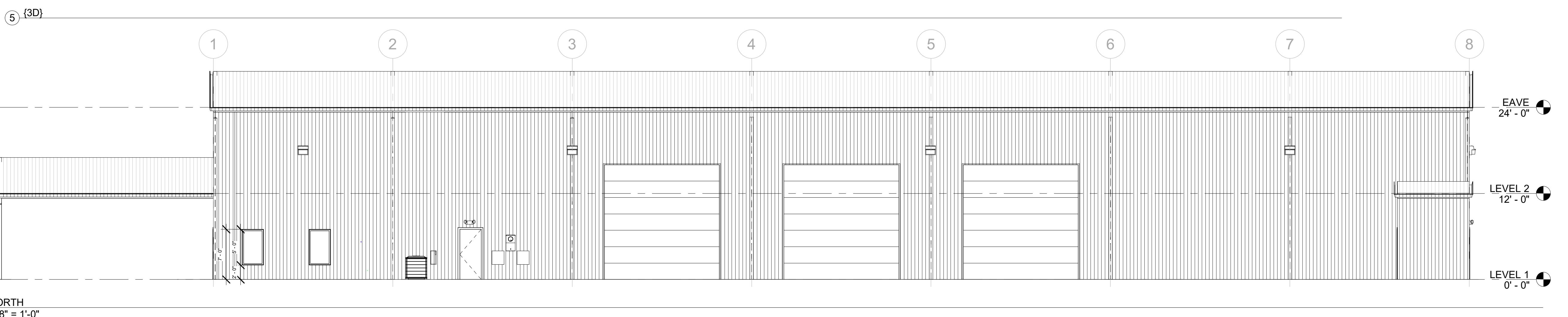
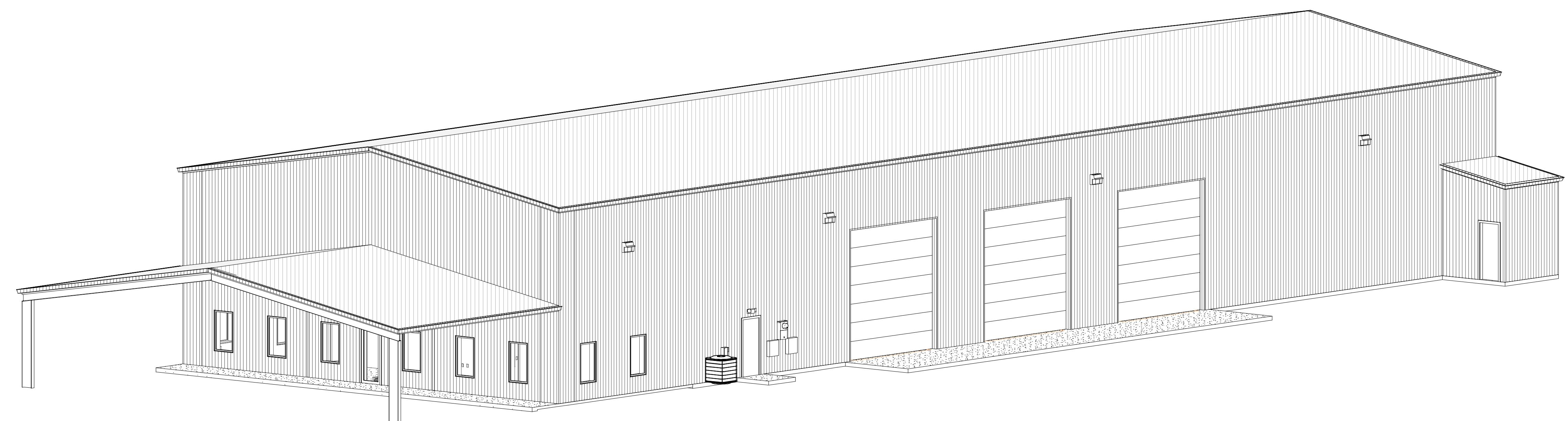
ELEVATION PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

A201

1/8" = 1'-0"

4/3/2020 9:29:34 AM



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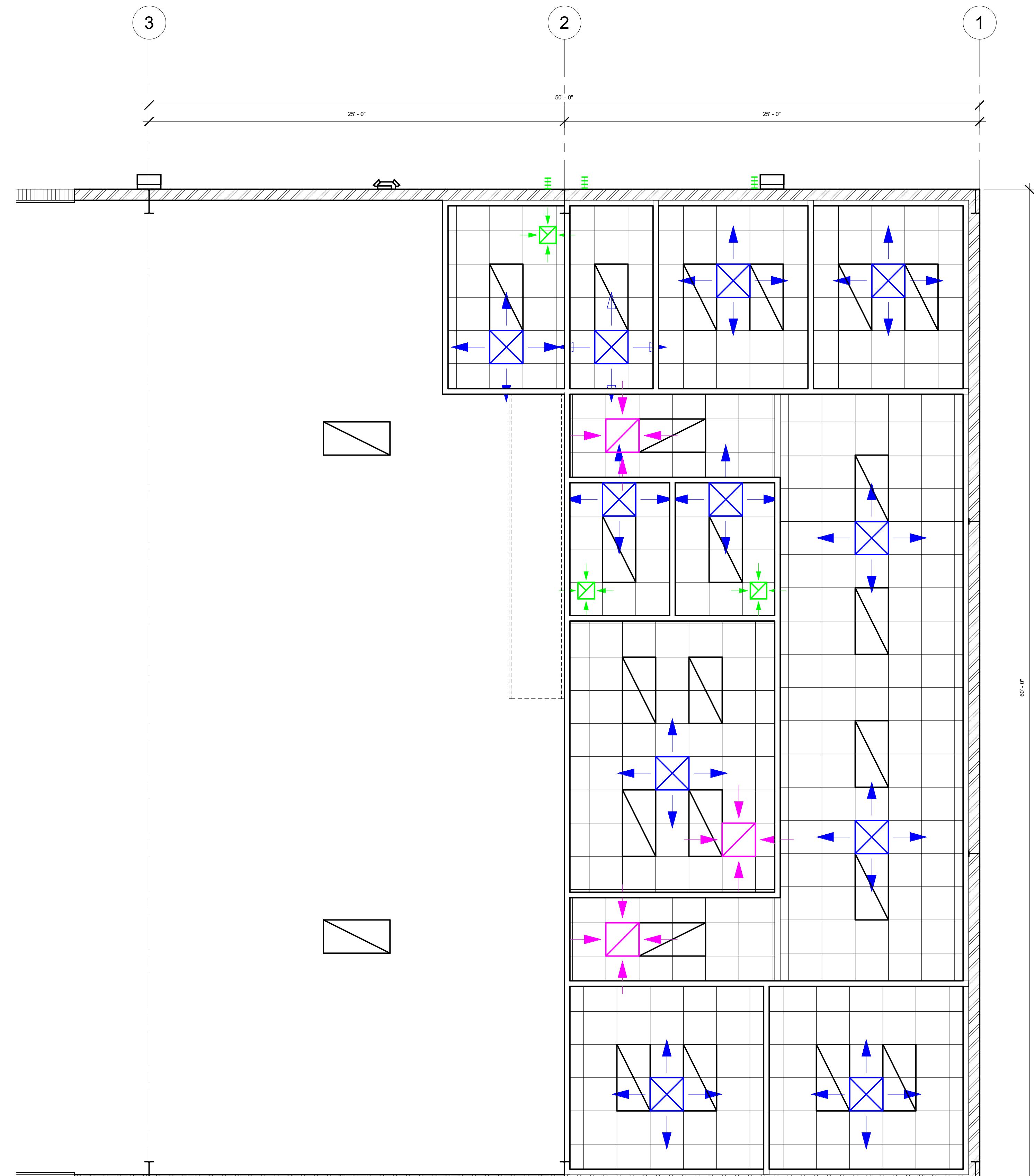
AL ARANDA

REFLECTIVE CEILING PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD
RCP101	

Scale $1/4" = 1'-0"$

4/3/2020 9:29:43 AM



① LEVEL 1
 $1/4" = 1'-0"$

No.	Revisions	Date

VERSION 3.0

AL ARANDA

MECHANICAL PLAN

Project number -
Date 1/6/20
Drawn by MF
Checked by JD

M101

1/4" = 1'-0"

4/3/2020 9:29:41 AM

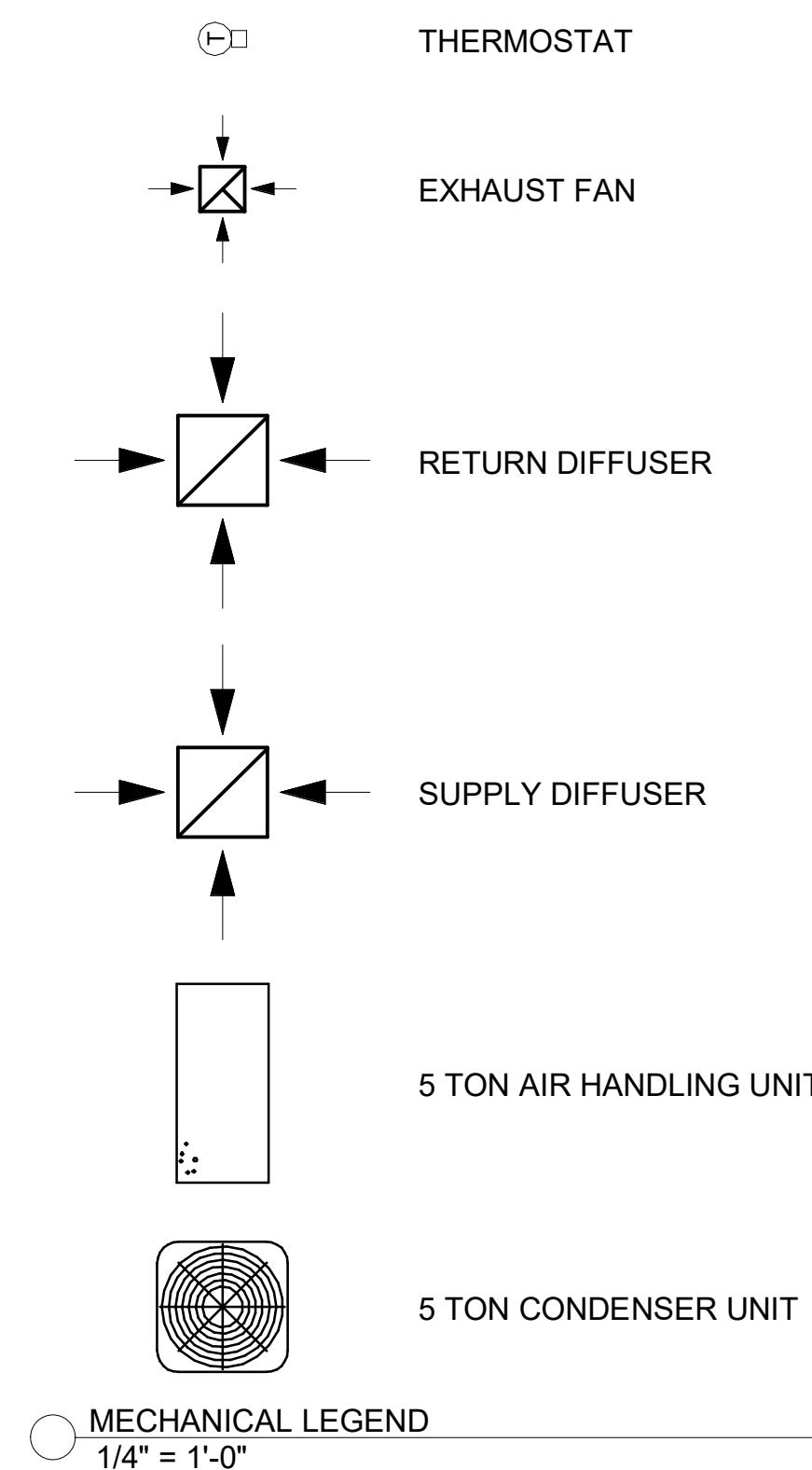


GENERAL MECHANICAL NOTES

- COORDINATE EXACT LOCATION OF CEILING DIFFUSERS AND GRILLES WITH ELECTRICAL/REFLECTED CEILING PLAN.
- COORDINATE EXACT ROUTING OF DUCTWORK ABOVE CEILING WITH STRUCTURAL FRAMING MEMBERS. VERIFY SIZES AND LOCATION OF SAID FRAMING MEMBERS.
- DUCT SYSTEM SHALL BE PROPERLY SEALED, HUNG, SUPPORTED, STIFFENED, ETC...
- BALANCE HVAC SYSTEM WITHIN THE SPACE REQUIRED FOR PROPER SERVICE.
- MAIN DUCT SHALL BE METAL AND INSULATION TO SPECIFICATIONS.
- BRANCH DUCT SHALL BE ROUND METAL WITH EXTERNAL 1 1/2" VINYL BACKED INSULATION.
- PROVIDE 20GA. AUXILIARY DRAIN PAN BELOW ALL HVAC UNITS. EXTEND DRAIN TO EXTERIOR.
- PROVIDE BALANCING DAMPERS IN ALL BRANCHING DUCT.
- PROVIDE TURNING VANES AT ALL TURNS IN TRUNK LINES.
- DUCT DIMENSIONS (IF SHOWN) ARE CLEAR INSIDE DIMENSIONS.
- ALL VENT PIPING SHALL BE ROUTED TO BACKSIDE OF ROOF. NO VENT PIPING PENETRATIONS SHALL BE ALLOWED ON THE FRONT ROOF SLOPE OF THE FACILITY.
- PROVIDE FILTER GRILLES AT ALL RETURN AIR GRILLES.

NOTE:

THE HEATING / AIR CONDITIONING WORK ON THESE PLANS IS DEPICTED ONLY.
THE HVAC CONTRACTOR SHALL PROVIDE EXACT DESIGN AND SIZING OF ALL
HVAC WORK AND EQUIPMENT TO BE INSTALLED. THE HVAC CONTRACTOR
SHALL BE REGISTERED TO MEET ALL REQUIREMENTS IN THE STATE.



No.	Revisions	Date

VERSION 3.0

AL ARANDA

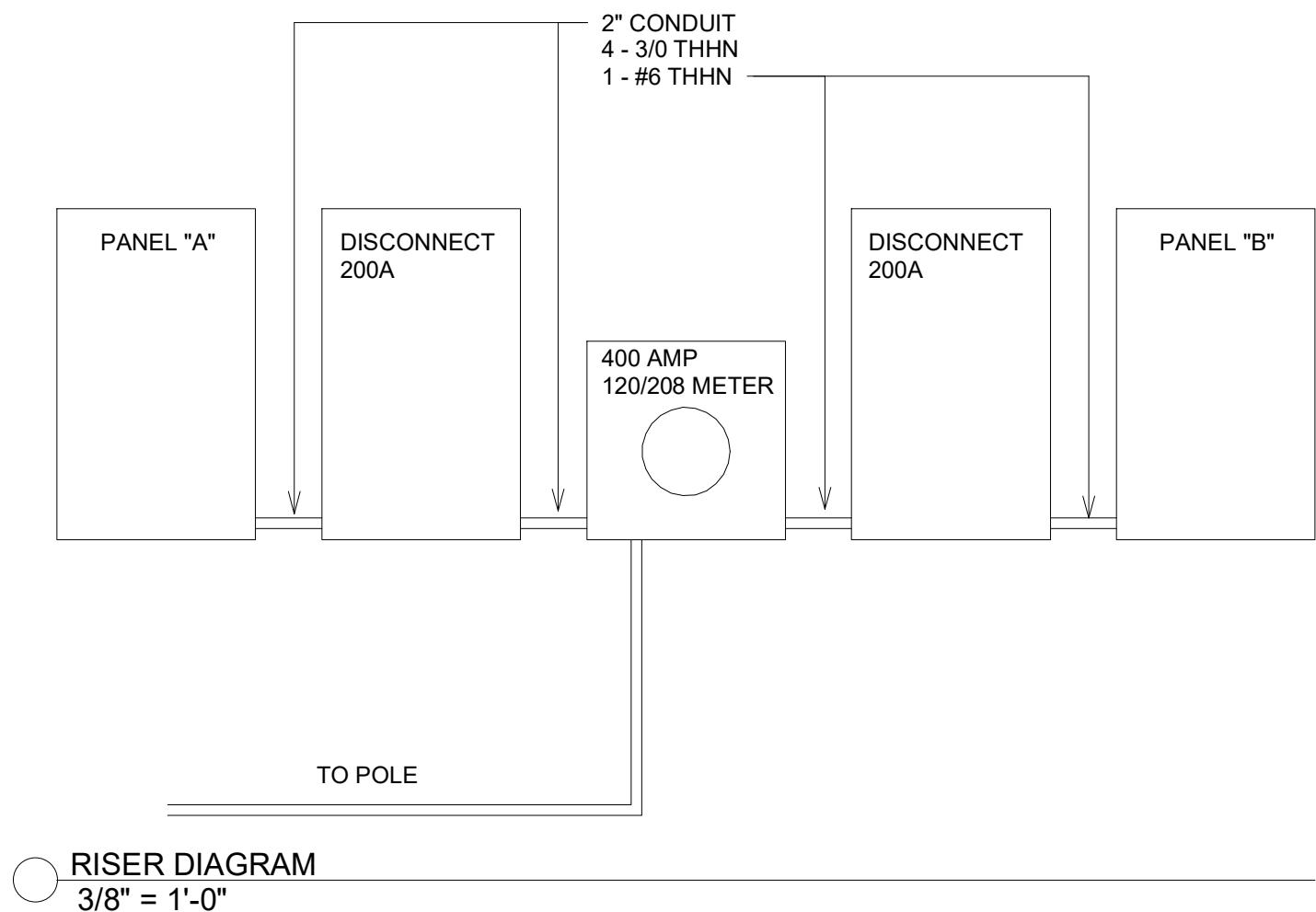
ELECTRICAL PLAN

Project number	-
Date	1/6/20
Drawn by	MF
Checked by	JD

E101

Scale As indicated

4/3/2020 9:29:35 AM

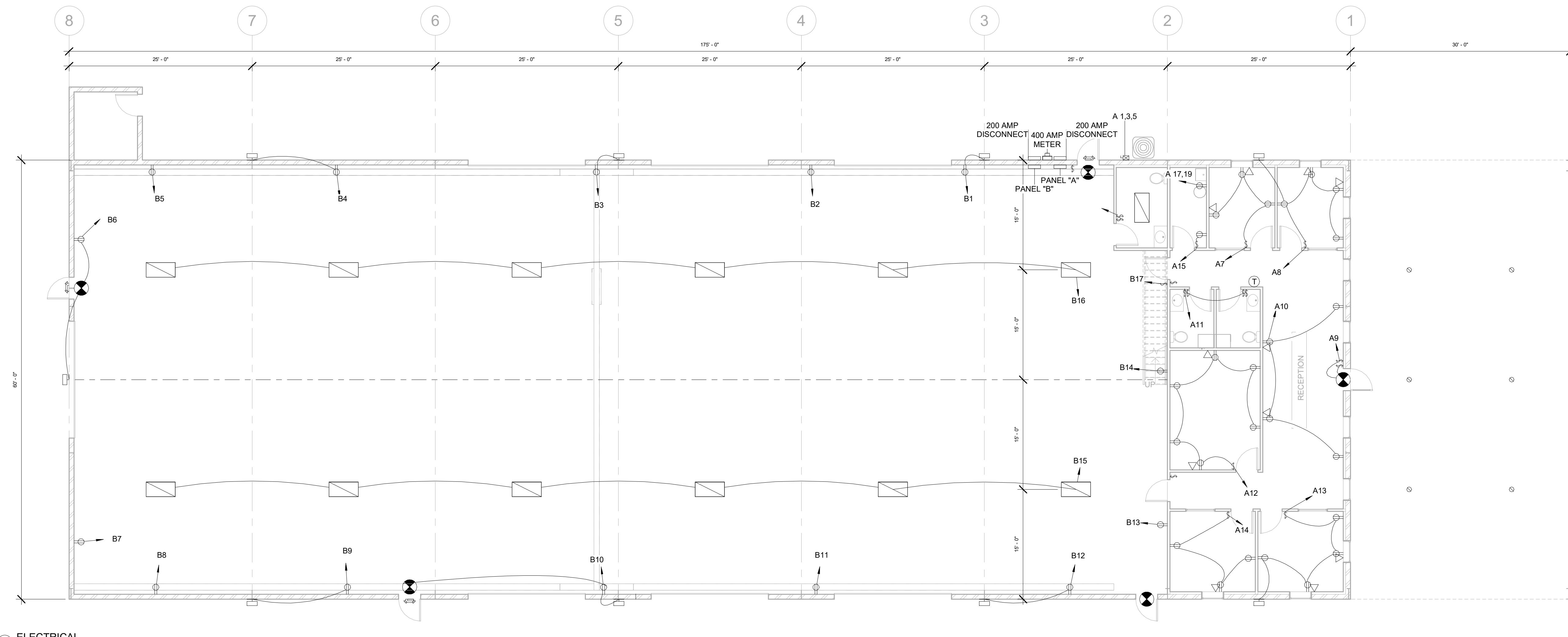


GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL TO BE INSTALLED IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL GOVERNING CODES.
- ALL CONDUCTORS TO BE COPPER.
- VERIFY ELECTRICAL SERVICE POINTS AND LOCATIONS PRIOR TO CONSTRUCTION.
- COORDINATE LOCATION OF CEILING SUPPLY GRILLES WITH LIGHT FIXTURE LOCATIONS.
- ALL ELECTRICAL EQUIPMENT MUST BE UL APPROVED.
- ALL DATA & TELEPHONE CIRCUITING SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE 3/4" CONDUIT STUB-UP. VERIFY REQUIREMENTS WITH TENANT.
- VERIFY EXACT LOCATION OF ALL ELECTRICAL DEVICES WITH THE OWNER.
- ALL CONDUIT AND WIRE SHALL BE ARRANGED TO LIMIT VOLTAGE DROP TO 3% ON ANY CIRCUIT.
- DISCONNECT SWITCHES SHALL BE GENERAL DUTY TYPE "D" OR "DU".
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OR THE REARRANGEMENT OF THE ELECTRICAL SERVICES WITH ELECTRIC COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LABOR AND MATERIALS ASSOCIATED WITH THE INSTALLATION OF ANY AND ALL ENCLOSURES, RACEWAYS, GROUND RODS, OR ANY SERVICE CONDUCTOR. ALL SUCH WORK SHALL BE INCLUDED IN THE BID PRICE.
- ALL WIRING UNDERGROUND WILL BE RUN IN NEMA TC2 PVC CONDUIT. WIRING INSIDE THE BUILDING WILL BE RUN IN STEEL CONDUIT OR MC CABLE AS PER CODE REQUIREMENTS.
- ALL POWER CONDUCTORS SHALL BE COPPER.
- UNLESS OTHERWISE NOTED OR LARGER SIZE REQUIRED BY CODE, CONTRACTOR SHALL INSTALL A #12 AWG GROUNDING CONDUCTOR IN EACH RACEWAY. THIS CONDUCTOR SHALL BE BONDED TO ANY BOX OR ENCLOSURE THROUGH WHICH IT PASSES OR TERMINATES UNLESS SPECIFICALLY NOTED OTHERWISE. THIS CONDUCTOR SHALL EITHER HAVE GREEN JACKET OR BE CODED AT ALL ACCESSIBLE POINTS WITH GREEN TAPE.
- ALL TERMINAL DEVICES SHALL BE SPECIFICALLY RATED FOR THE TYPE OF CONDUCTORS USED IN THAT TERMINAL. EG., AC/CLU RATED TERMINALS FOR COPPER CONDUCTORS, STRANDED WIRE COMPATIBLE TERMINALS FOR USE WITH STRANDED CONDUCTORS, SOLID WIRE COMPATIBLE TERMINALS FOR USE WITH SOLID CONDUCTORS. IN ADDITION, ALL TERMINALS OF ALL DEVICES SHALL BE RATED FOR OPERATOR AT 75 DEGREES CELSIUS.
- THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SITE TO IDENTIFY AND MAKE ALLOWANCES IN THE BID FOR ANY OBSTRUCTION OR SUBGRADE PIPING, ETC...
- ALL RACEWAY AND EQUIPMENT INSTALLED OUTSIDE THE BUILDING SHALL BE WEATHERPROOF.
- WHERE CONFLICT OCCURS IN THE PLANS OR SPECIFICATIONS WITH ANY LOCAL CODES, THE MORE STRINGENT REQUIREMENTS WILL APPLY.
- ALL ELECTRICAL PANELS TO BE RECESSED TYPE.

NOTE:

THE ELECTRICAL WORK ON THESE PLANS IS DEPICTED ONLY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXACT DESIGN AND SIZING OF WIRING, SWITCHES AND EQUIPMENT TO BE INSTALLED. THE ELECTRICIAN SHALL BE REGISTERED TO MEET ALL REQUIREMENTS IN THE STATE.



VERSION 3.0

AL ARANDA

ELECTRICAL PLAN

Project number -
Date 1/6/20
Drawn by MF
Checked by JD

E102

Scale
4/3/2020 9:29:36 AM

Branch Panel: PANEL "A"

Location: SHOP 110
Supply From: Mains Type:
Mounting: Surface
Enclosure: Wires: 4

Volts: 120/208 Wye
Phases: 3
A.I.C. Rating: 200 A
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	AC UNIT	50 A	3	4800...	5760...		3	50 A	HEATER UNIT	2	
3	--	--	--	4800...	5760...		--	--	--	4	
5	--	--	--	4800...	5760...		--	--	--	6	
7	OFFICE 102	20 A	1	720 VA	950 VA		1	20 A	OFFICE 101	8	
9	MAIN LIGHTS	20 A	1		960 VA	720 VA	1	20 A	RECEPTION AREA PLUGS	10	
11	RESTROOMS	20 A	1			720 VA	1080...	1	20 A	CONGERENCE ROOM	12
13	OFFICE 103	20 A	1	720 VA	720 VA		1	20 A	OFFICE 104	14	
15	STORAGE ROOM	20 A	1		540 VA					16	
17	WATER HEATER	20 A	1	2400...		2400...				18	
19	WATER HEATER	20 A	1	2400...						20	
21										22	
23										24	
25										26	
27										28	
29										30	
31										32	
33										34	
35										36	
37										38	
39										40	
41										42	
Total Load: 16070 VA				12780 VA	14760 VA						
Total Amps: 136 A				107 A	126 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	43610 VA	100.00%	43610 VA	
				Total Conn. Load: 43610 VA
				Total Est. Demand: 43610 VA
				Total Conn.: 121 A
				Total Est. Demand: 121 A

Notes:

Branch Panel: PANEL "B"

Location: SHOP 110
Supply From: Mains Type:
Mounting: Surface
Enclosure: Wires: 4

Volts: 120/208 Wye
Phases: 3
A.I.C. Rating: 200 A
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	SHOP PLUG AND WALL PACK	20 A	1	360 VA	180 VA		1	20 A	SHOP PLUG	2	
3	SHOP PLUG AND WALL PACK	20 A	1		360 VA	360 VA	1	20 A	SHOP PLUG AND WALL PACK	4	
5	SHOP PLUG	20 A	1			180 VA	540 VA	1	20 A	SHOP PLUG WALL PACK EXIT LIGHT	6
7	SHOP PLUG	20 A	1	180 VA	180 VA		1	20 A	SHOP PLUG	8	
9	SHOP PLUG AND WALL PACK	20 A	1		360 VA	540 VA	1	20 A	SHOP PLUG WALL PACK EXIT LIGHT	10	
11	SHOP PLUG	20 A	1			180 VA	360 VA	1	20 A	SHOP PLUG AND WALL PACK	12
13	SHOP PLUG	20 A	1	180 VA	180 VA		1	20 A	SHOP PLUG	14	
15	SHOP PLUG	20 A	1		1296...	1296...	1	20 A	SHOP LIGHTS	16	
17										18	
19										20	
21										22	
23										24	
25										26	
27										28	
29										30	
31										32	
33										34	
35										36	
37										38	
39										40	
41										42	
Total Load: 1260 VA				4212 VA	1260 VA						
Total Amps: 11 A				35 A	11 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	6732 VA	100.00%	6732 VA	
				Total Conn. Load: 6732 VA
				Total Est. Demand: 6732 VA
				Total Conn.: 19 A
				Total Est. Demand: 19 A

Notes:

