

APPROVED

APPROVED

Sanitary + Storm  
as built

PROPOSED MINI-STORAGE BUILDINGS FOR

# MARVIN BUCHHOLZ

NAPOLEON, OHIO

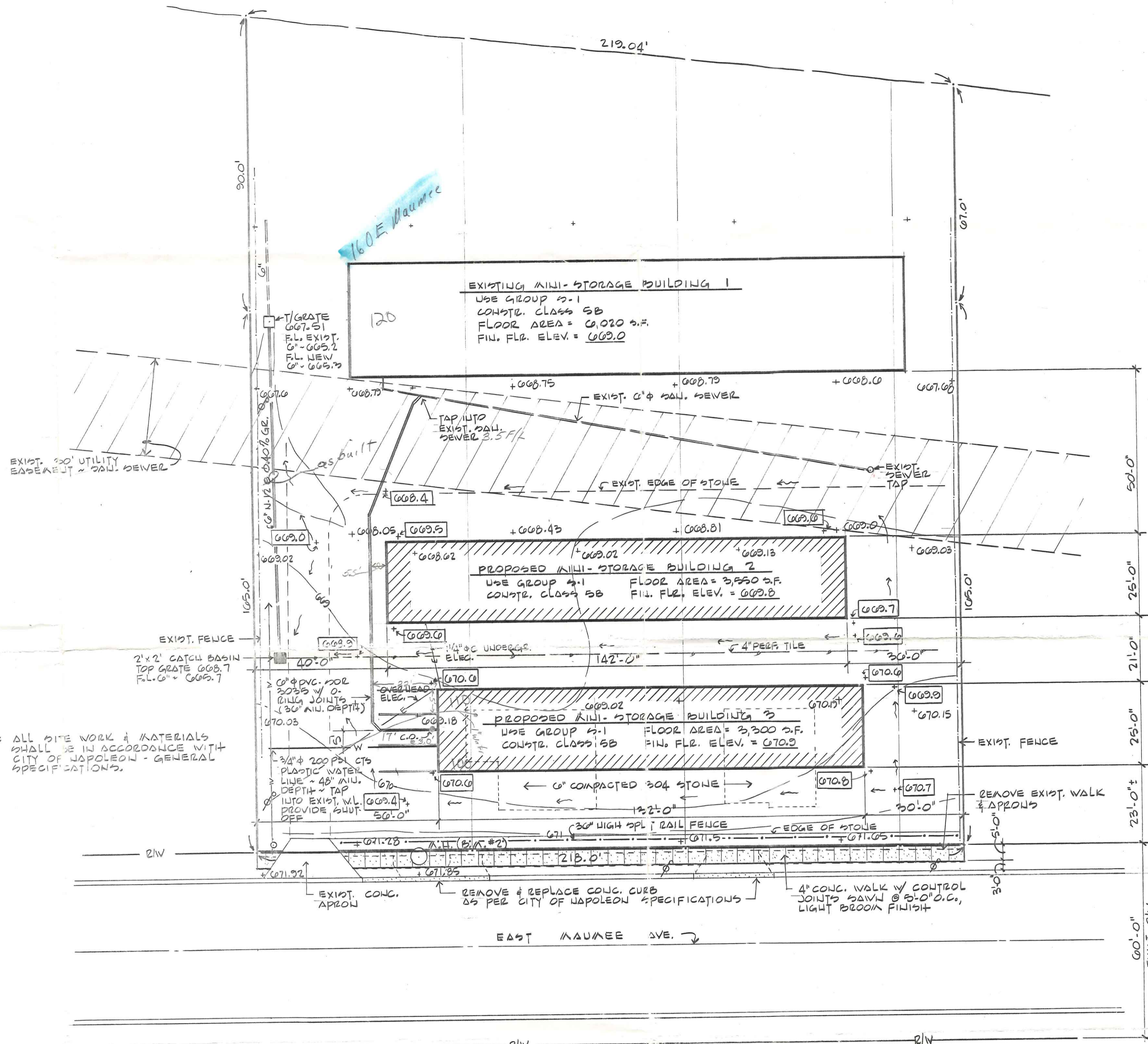
## LIST OF DRAWINGS

- A-1 SITE PLAN
- A-2 BUILDING 2 FLOOR PLAN, BUILDING ELEVATIONS, DOOR SCHEDULE, ROOM FINISH SCHEDULE AND HANDICAP DETAILS
- A-3 BUILDING 3 FLOOR PLAN, BUILDING ELEVATIONS, DOOR SCHEDULE, ROOM FINISH SCHEDULE AND WINDOW SCHEDULE
- S-1 BUILDING 2 ROOF FRAMING PLAN, FOUNDATION PLAN AND DETAILS AND BUILDING SECTION AA
- S-2 BUILDING 3 ROOF FRAMING PLAN, FOUNDATION PLAN AND DETAILS AND BUILDING SECTION BB
- ME-1 BUILDINGS 2 AND 3 PLUMBING, HEATING AND ELECTRICAL PLANS AND DETAILS

PLANS PREPARED BY  
 RICHARD F. BERTZ P.E. P.S.  
 NAPOLEON, OHIO

## STRUCTURAL NOTES

1. SUBSURFACE INVESTIGATIONS WERE CONDUCTED ON THIS SITE BY PROFESSIONAL SERVICES INDUSTRIES. MISCELLANEOUS FILL MATERIAL WAS FOUND TO DEPTHS OF 18 TO 23 FEET. BECAUSE OF THE VARIABILITY OF THE FILL, SETTLEMENT MAGNITUDES CANNOT BE MADE CAUSING SOME DISTRESS BUT LITTLE OR NO STRUCTURAL DAMAGE. THE FOUNDATION WAS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 520 PPF.
2. THE PRE-ENGINEERED WOOD TRUSSES ARE DESIGNED BY STARK TRUSS CO. TRUSSES ARE DESIGNED FOR A 25 PPF LIVE PLUS 4 PPF DEAD LOAD ON THE TOP CHORD AND 10 PPF DEAD LOAD ON THE BOTTOM CHORD. SEE ATTACHED TRUSS DRAWINGS BEALED BY STAN KOEHLINGER P.E.
3. ALL FRAMING LUMBER SHALL BE CONSTRUCTION GRADE HEA-FIR.
4. WOOD HEADERS, ROOF PURLINS AND CEILING FRAMING SHALL BE NO. 2 S. PINE.
5. CONCRETE FOOTINGS AND WALLS SHALL BE 3/2 BAG MIX, 3,000 PSI COMPRESSIVE STRENGTH.
6. CONCRETE SLABS SHALL BE 0 BAG MIX, 4,000 PSI COMPRESSIVE STRENGTH, AIR ENTRAIN CONCRETE 0% ± 2%.
7. ALL CONCRETE REINFORCING TO BE GRADE 60 STEEL.



NOTE: ALL SITE WORK & MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF NAPOLEON - GENERAL SPECIFICATIONS.

SITE PLAN  
 SCALE: 1"=20'

- ### BENCH MARK DESCRIPTION
- B.M.#1 - U.S.G.S. BENCH MARK LOCATED AT THE NORTHWEST CORNER OF THE PERRY STREET BRIDGE ~ ON TOP OF AN ABUTMENT, A DISC SET IN CONCRETE. ELEV. 070.06
  - B.M.#2 - TOP NORTH SIDE OF R/W OF EXIST. MANHOLE. LOCATED APPROX. 43' EAST OF THE WEST PROPERTY LINE AND 3' NORTH OF ROAD CURB. ELEV. 071.30

- ### LEGEND
- +000 EXIST. GROUND ELEVATION
  - 000.3 PROPOSED GRADE ELEVATION
  - SURFACE DRAIN

APPROVED



DRAWN: JEFF  
 DATE: 3-12-95  
 REVISED:  
**A-1**  
 SHEET NO.



PROPOSED MINI-STORAGE BUILDING FOR

# MARVIN BUCHHOLZ

NAPOLEON, OHIO

## LIST OF DRAWINGS

- A-1 SITE PLAN
- A-2 FLOOR PLAN, BUILDING ELEVATIONS, ROOM FINISH SCHEDULE AND DOOR SCHEDULE
- A-3 FOUNDATION PLAN, ROOF FRAMING PLAN AND DETAILS
- ME-1 PLUMBING PLAN AND ELECTRICAL PLAN

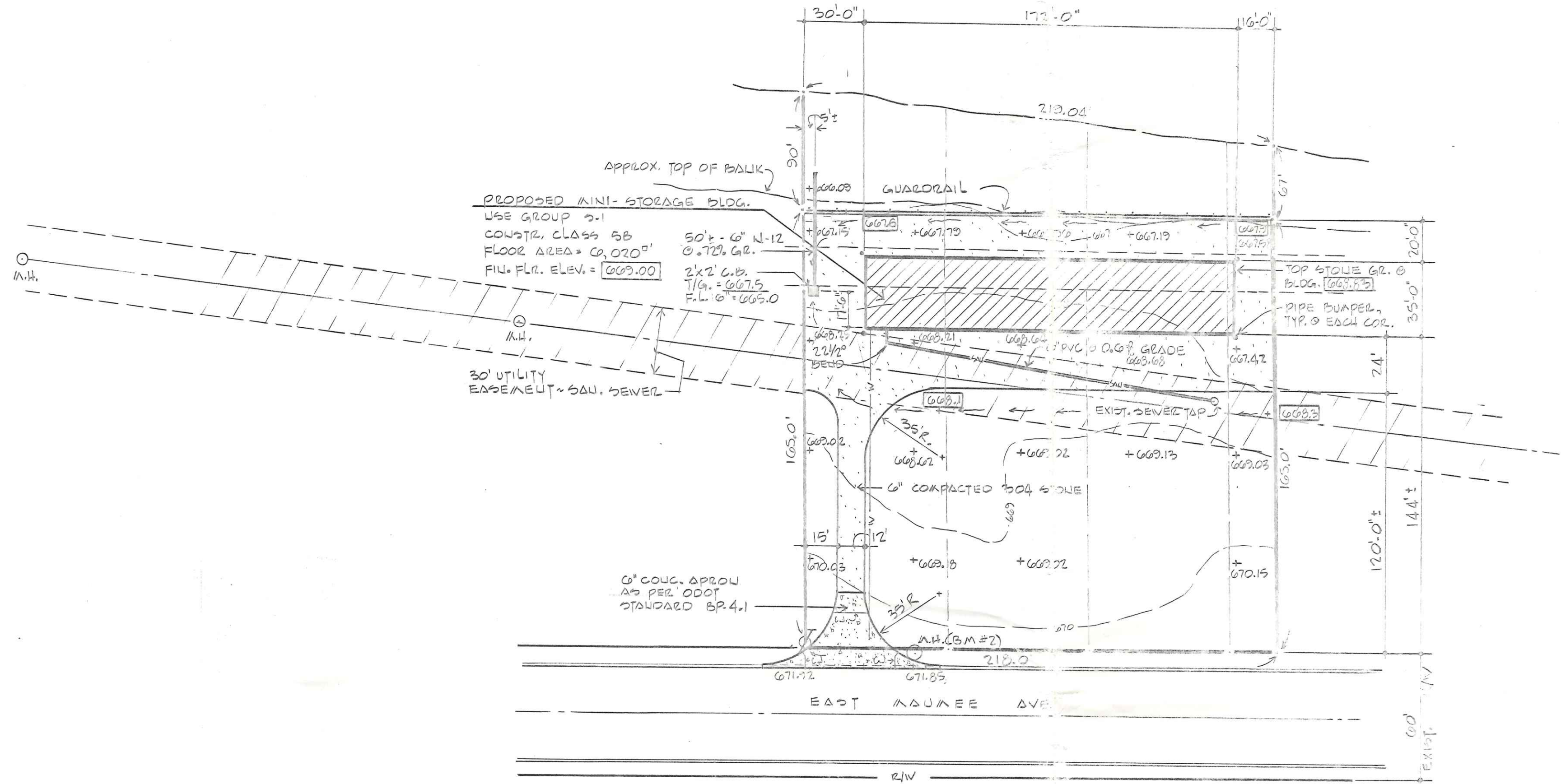
PLANS PREPARED BY

RICHARD F. BERTZ P.E., P.S.

NAPOLEON, OHIO

## STRUCTURAL NOTES

1. SUBSURFACE INVESTIGATION WAS CONDUCTED ON THIS SITE BY PROFESSIONAL SERVICES INDUSTRIES. MISCELLANEOUS FILL MATERIAL WAS FOUND TO DEPTHS OF 18 TO 23 FEET. BECAUSE OF THE VARIABILITY OF THE FILL, SETTLEMENT MAGNITUDES CANNOT BE MADE CAUSING SOME DISTRESS BUT LITTLE OR NO STRUCTURAL DANGER. THE FOUNDATION WAS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 702 P.S.F.
2. THE PRE-ENGINEERED WOOD TRUSSES ARE DESIGNED BY STARK TRUSS CO. TRUSSES ARE DESIGNED FOR A 25 PSF LIVE PLUS 4 PSF DEAD LOAD ON THE TOP CHORD AND 10 PSF DEAD LOAD ON THE BOTTOM CHORD. ATTACHED ARE SEALED TRUSS DRAWINGS BY STAN KOEHLINGER P.E.
3. ALL FRAMING LUMBER SHALL BE CONSTRUCTION GRADE HEK-FIR.
4. WOOD HEADERS AND ROOF PURLINS SHALL BE NO. 2 S. PINE.
5. CONCRETE FOOTINGS AND WALLS SHALL BE 5% BAG MIX, 3,000 P.S.I. COMPRESSIVE STRENGTH.
6. CONCRETE SLABS SHALL BE 6 BAG MIX, AIR ENTRAINED 6% ± 2%, 4,000 P.S.I. COMPRESSIVE STRENGTH.
7. ALL CONCRETE REINFORCING TO BE GRADE 60 STEEL.



## BENCH MARK DESCRIPTION

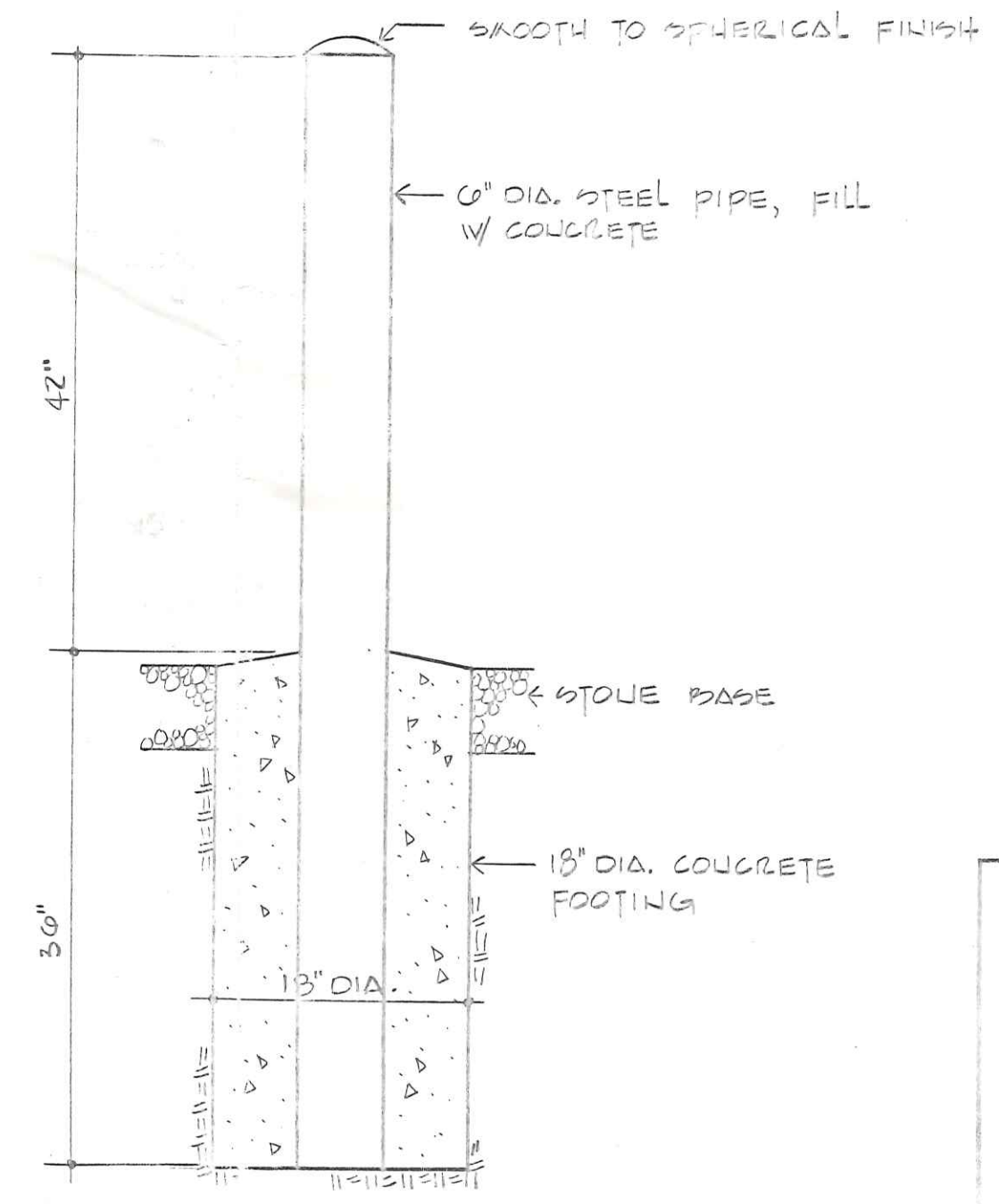
- B.M. #1 ~ U.S.G.S. BENCH MARK LOCATED AT THE NORTHWEST CORNER OF THE PERRY STREET BRIDGE, ON TOP OF AN ABUTMENT, A DISC SET IN CONCRETE. ELEVATION = 670.00
- B.M. #2 ~ TOP NORTH RIM OF EXISTING MANHOLE. LOCATED APPROX. 40' EAST OF THE WEST PROPERTY LINE AND 5' NORTH OF THE ROAD CURB. ELEVATION = 671.30

## LEGEND

- +669 EXIST. GROUND ELEVATION
- [669.3] PROPOSED GRADE ELEVATION

## SITE PLAN

SCALE: 1" = 40'

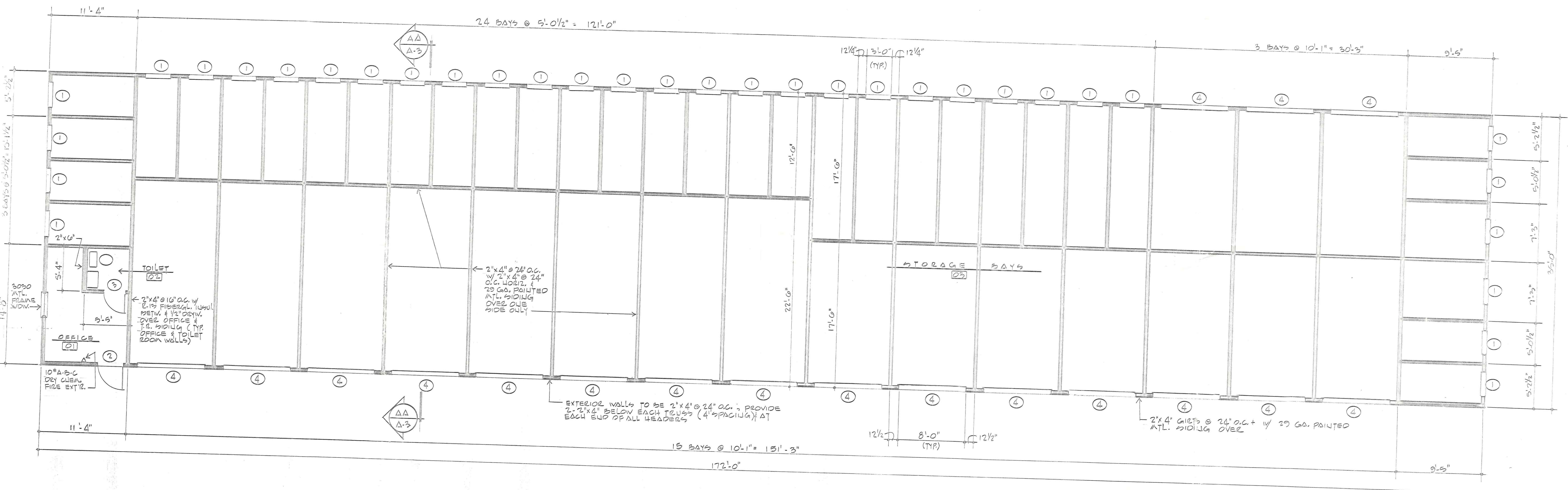


PIPE BUMPER DETAIL SCALE: 1" = 10'

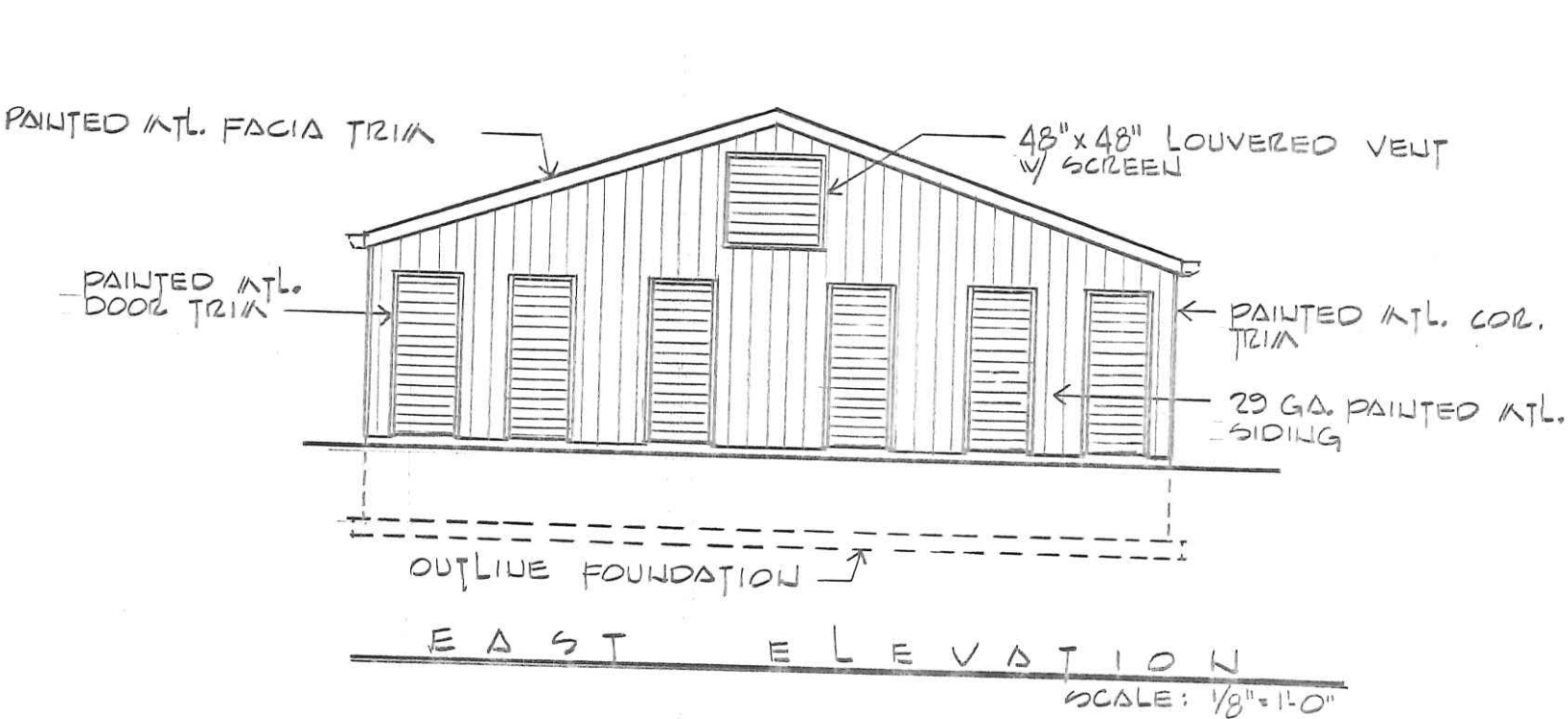
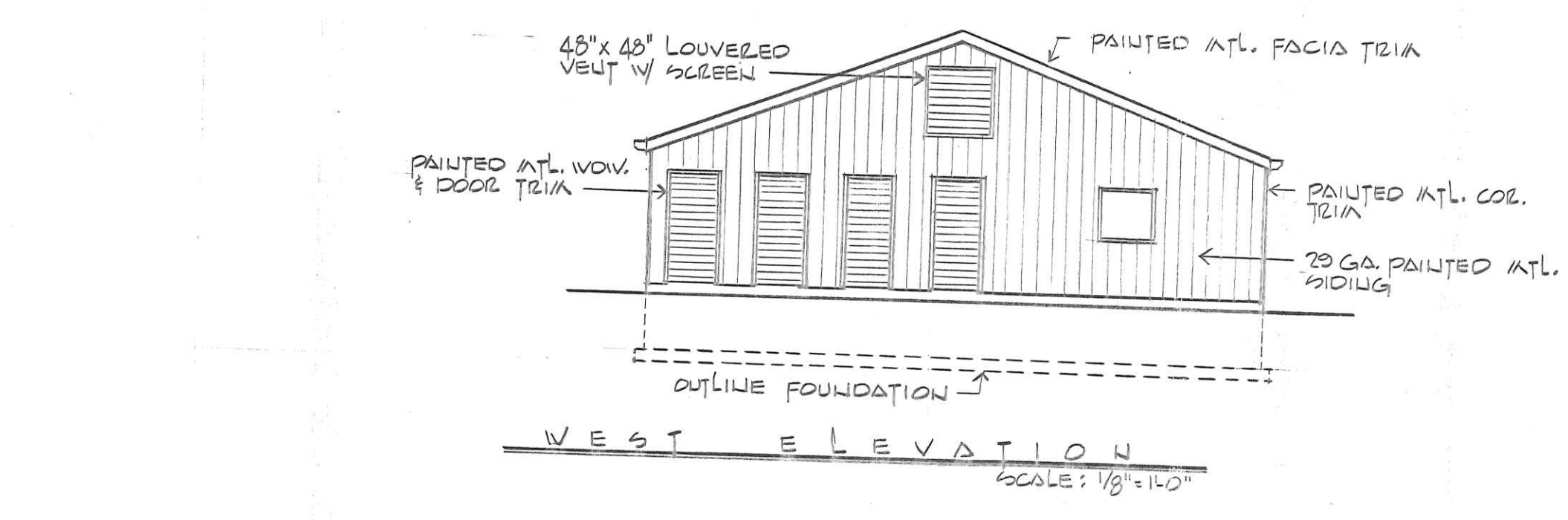
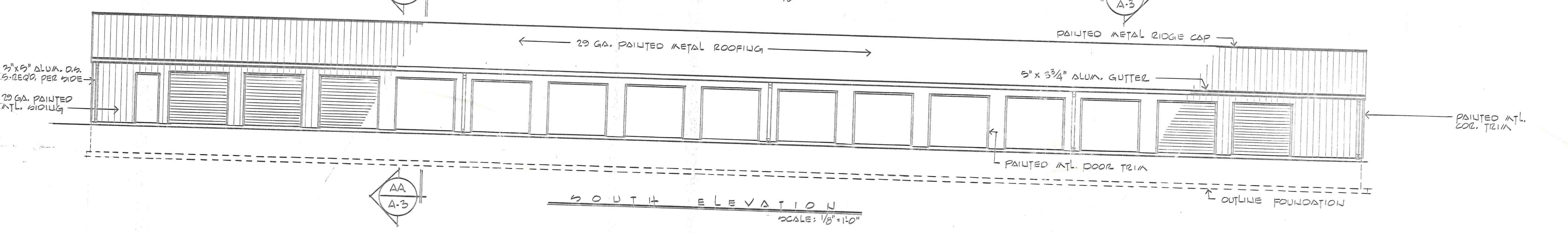
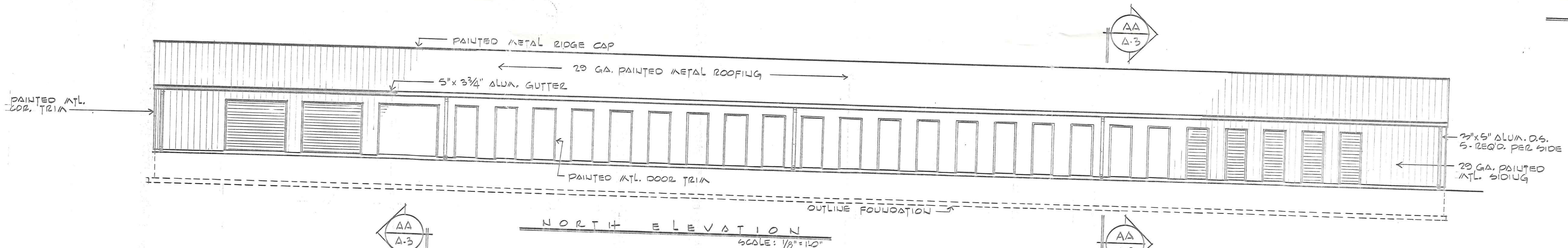
RICHARD F. BERTZ  
REGISTERED PROFESSIONAL ENGINEER

DESIGN	JEFF
DATE	8-9-93
REVISED	
A-1	
SHEET	NO.





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



OPEN NO.	DOOR		FRAME		U.L. LABEL	HARDWARE				REMARKS
	SIZE	TYPE	SIZE	TYPE		CLASS	CLOSER	LOCK	THRU	
1	30'0"	A	-	-	-	-	NO	LOCK	NO	
2	30'0"	1450L H.M.	24'0"	H.M.	-	B	NO	LOCK	YES	
3	28'0"	H.M.	30'0"	H.M.	-	B	NO	PRIV.	NO.	
4	30'0"	A	-	-	-	-	NO	LOCK	NO	

A-0.022 GALV. STEEL PAINTED ROLL-UP DOOR - DOOR SYSTEMS DS-200 OR EQUAL (VARY DOOR CO.)

ROOM	NO.	FLOOR	BASE	WALLS	CEILING	CL.FIL.	REMARKS
OFFICE	01						
TOILET	02						
STORAGE BAYS	03						

\* ATL. SIDING ON ONE SIDE OF WALL ONLY



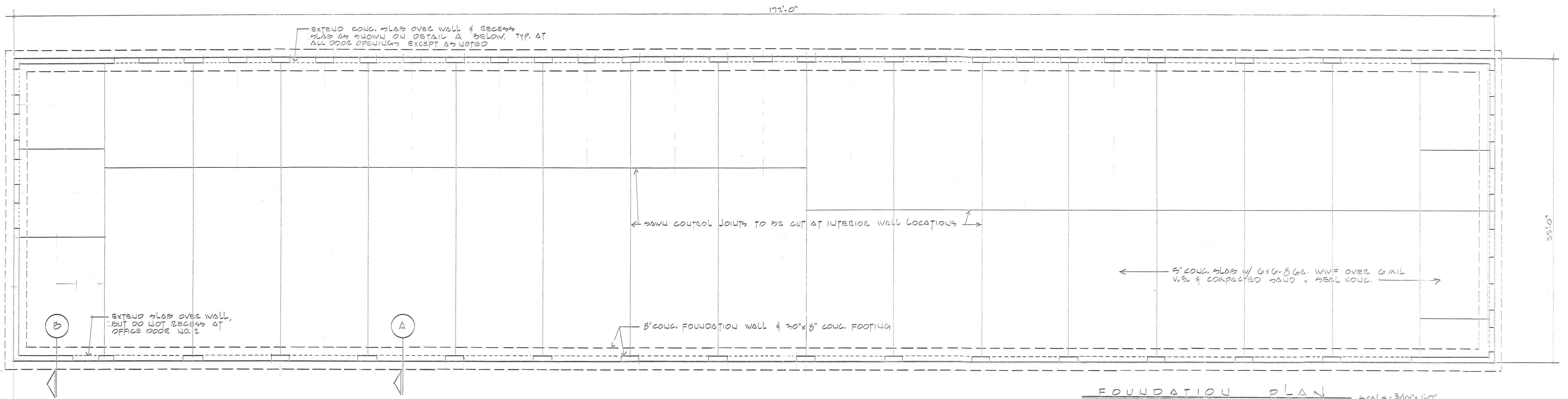
PROPOSED MINI-STORAGE BUILDING  
MARVIN SUCHHOLTZ  
NAPOLEON, OHIO

PLANS PREPARED BY  
RICHARD F. BERTZ P.E., P.S.  
NAPOLEON, OHIO

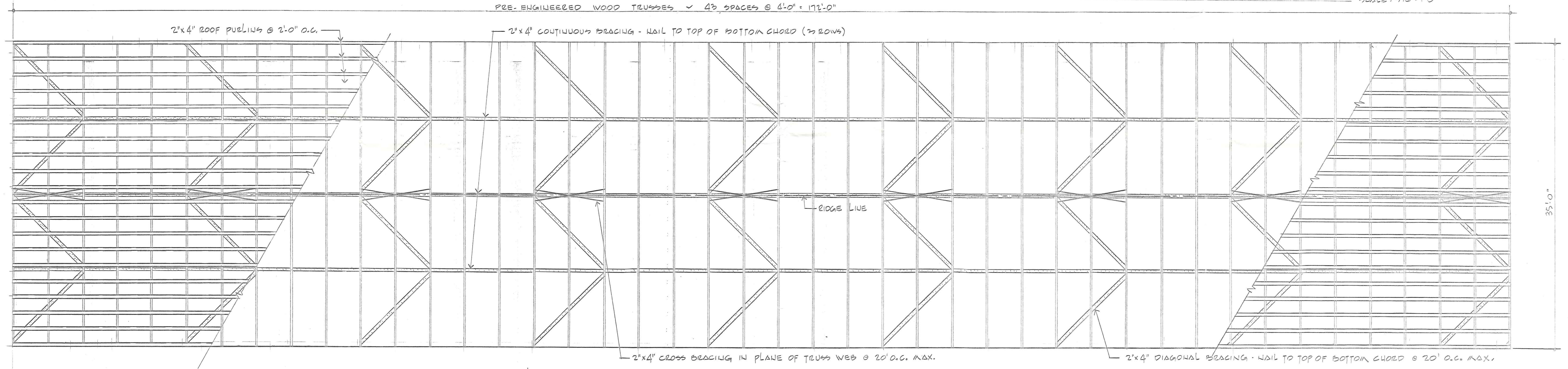
DRAWN: JEFF DATE: 8.2.93 REVISION: SHEET

**A.2**

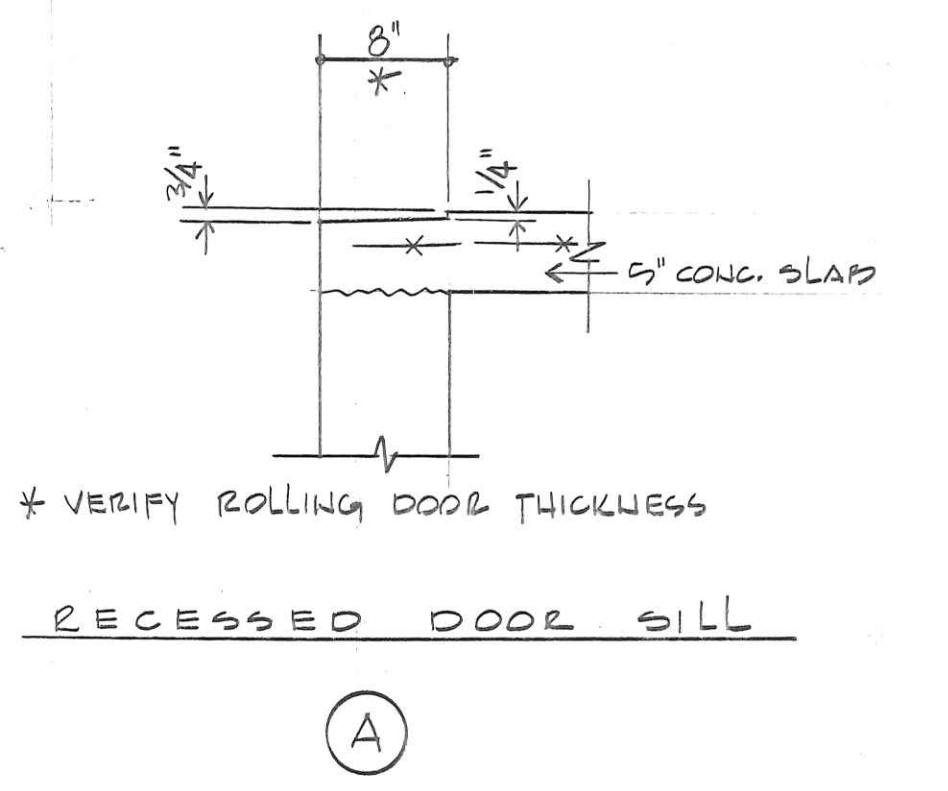




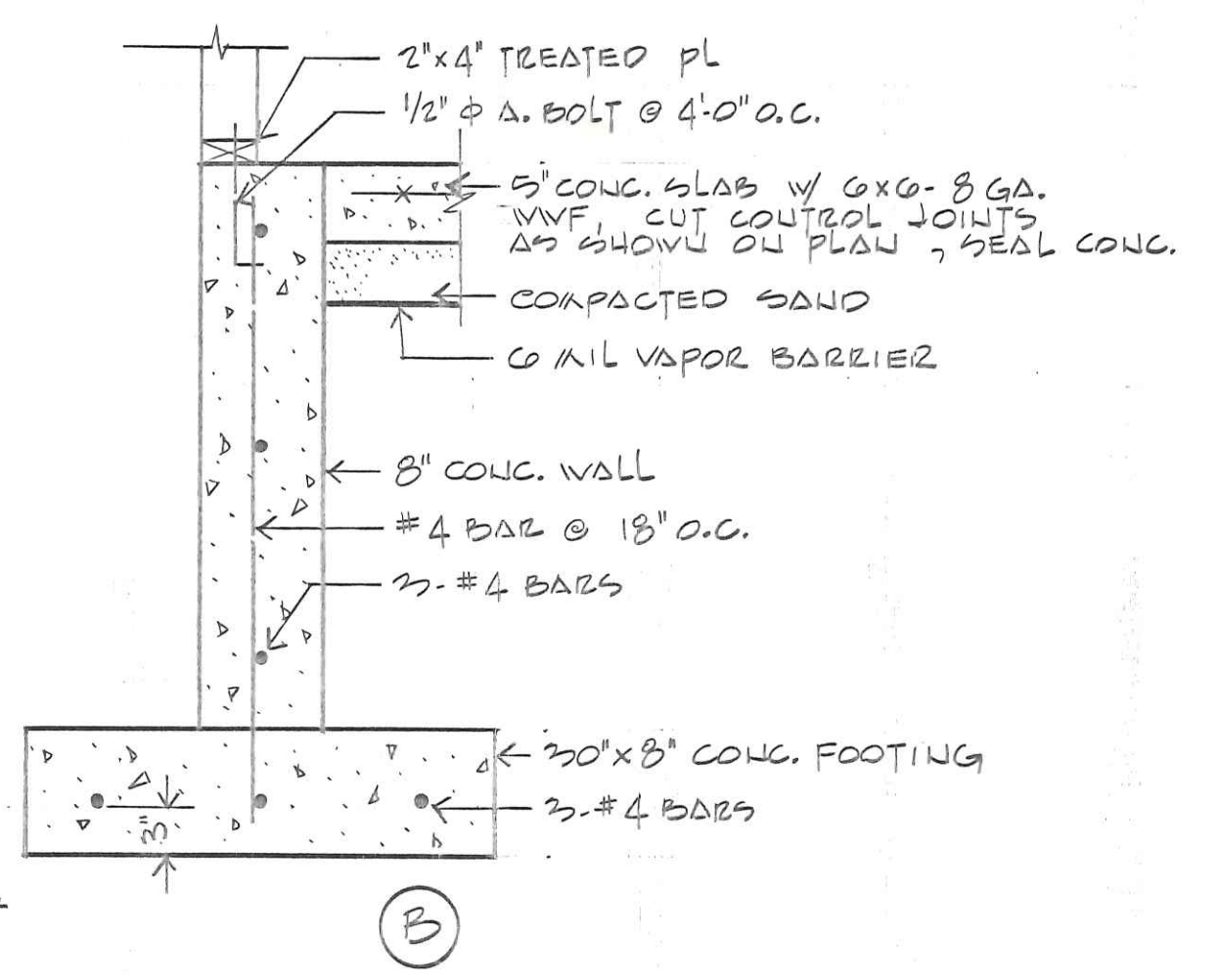
FOUNDATION PLAN SCALE: 3/16" = 1'-0"



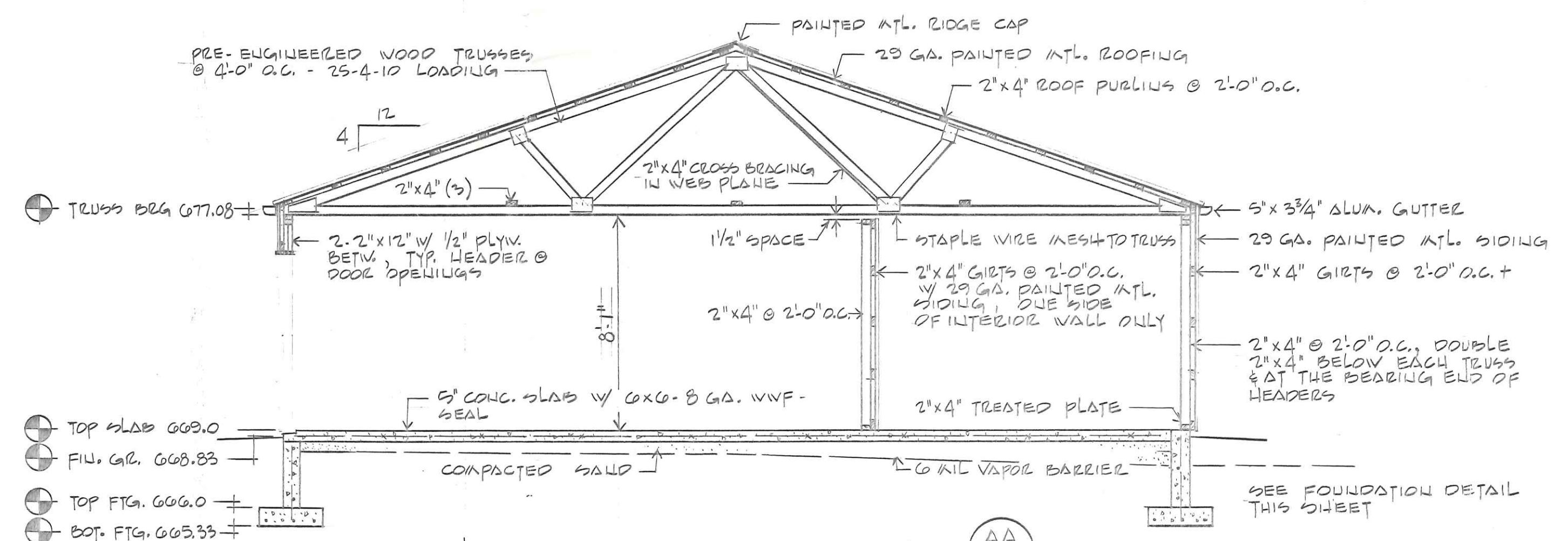
ROOF FRAMING PLAN SCALE: 3/16" = 1'-0"



RECESSED DOOR SILL



FOUNDATION DETAILS SCALE: 1" = 1'-0"

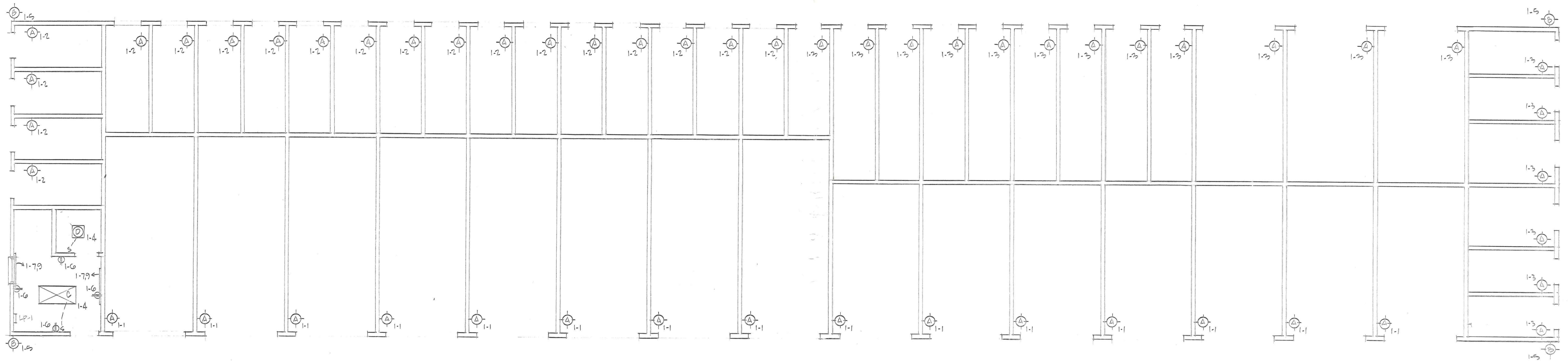


BUILDING SECTION SCALE: 1/4" = 1'-0"

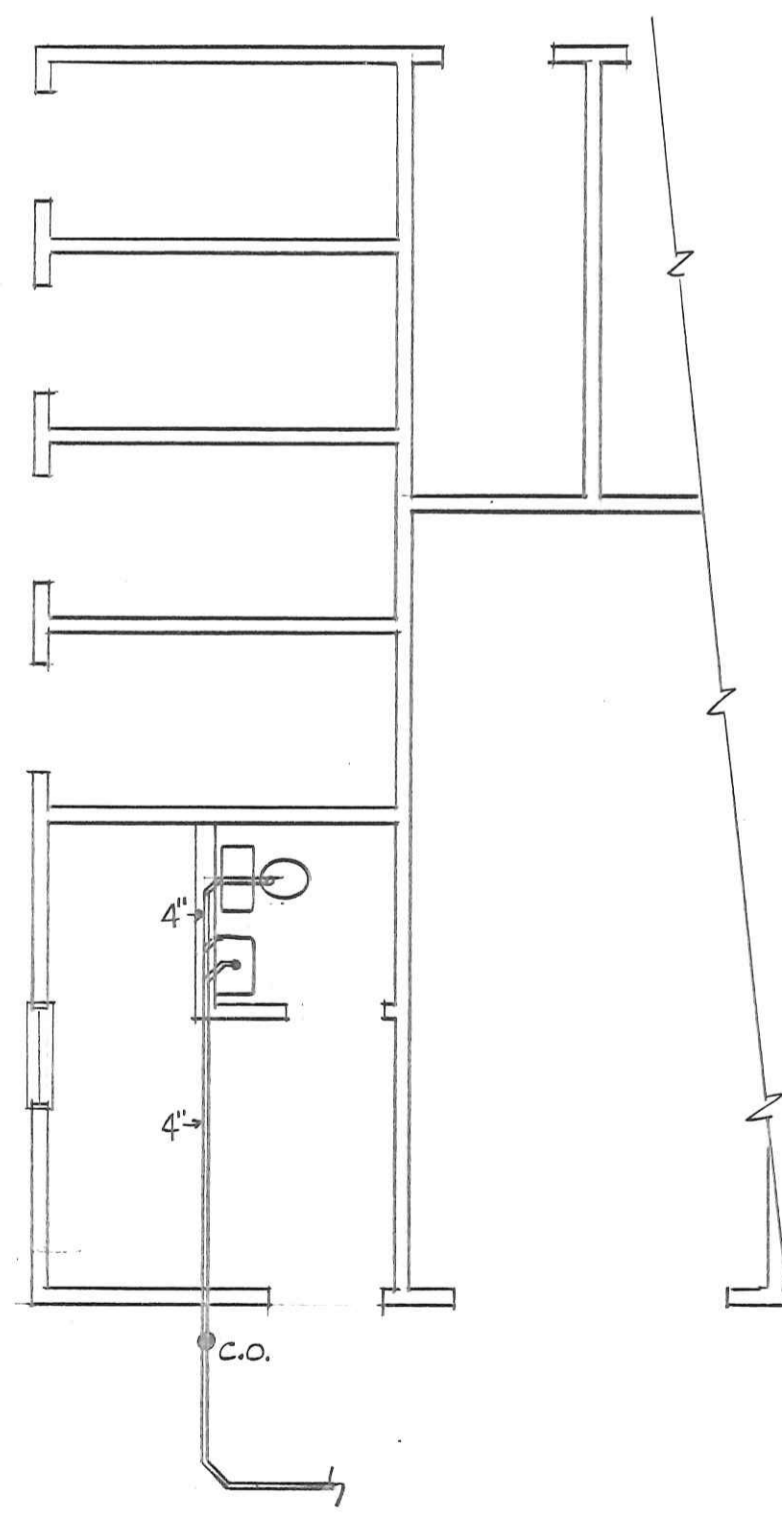
NOTE: SEE STRUCTURAL NOTES ON SHEET A-1

	PROPOSED MINI-STORAGE BUILDING MARVIN BUCHHOLZ NAPOLEON, OHIO		
	PLANS PREPARED BY RICHARD F. BERTZ P.E., P.S. NAPOLEON, OHIO		
DRAWN: JEFF	DATE: 8.9.93	REVISED:	SHEET NO. <b>A-3</b>

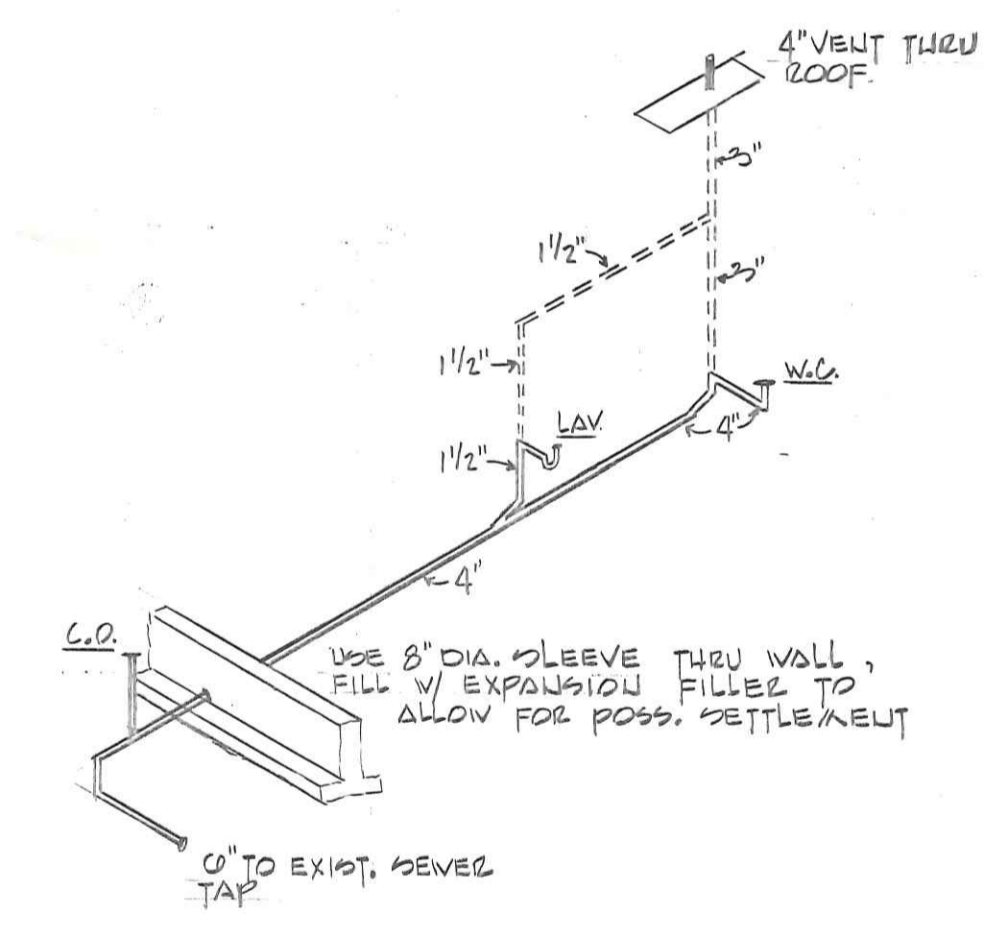




ELECTRICAL PLAN  
SCALE: 3/16" = 1'-0"



PLUMBING PLAN  
(PARTIAL PLAN) SCALE: 3/16" = 1'-0"



SANITARY ISOMETRIC  
N.T.S.

- PLUMBING NOTES
1. INTERIOR WATER SUPPLY PIPING SHALL BE PLASTIC W/ GLUED JOINTS.
  2. PROVIDE SHUT-OFF VALVES ON HOT AND COLD WATER LINES AT EACH FIXTURE.
  3. INTERIOR SANITARY DRAINS AND VENTS SHALL BE PVC WITH GLUED JOINTS, MAINTAIN ADEQUATE SLOPE. EXTERIOR JOINTS TO BE O-RING.
  4. PLUMBING WORK SHALL CONFORM TO THE OHIO PLUMBING CODE AND IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES.

LP - 1  
100 AMP, 1 PHASE, 3 WIRE, 120/240V

CIR.	ITEM	BRK. LOAD	WIRE	WIRE	LOAD BRK.	ITEM	CIR.
1	STORAGE LIGHTS	20A 13.5A	#12-1/2" C	#12-1/2" C	13.5A 20A	STORAGE LIGHTS	2
3	STORAGE LIGHTS	20A 13.5A	#12-1/2" C	#12-1/2" C	2.2A 20A	OFFICE LIGHTS	4
5	OUTSIDE LIGHTS	20A 5A	#12-1/2" C	#12-1/2" C	6A 20A	OFFICE RECEPTACLES	6
7	OFFICE ELEC. HTS.	20A 8.3A	#12-1/2" C				8
9							10
11							12
13							14
15							16
17							18
19							20

RISER DIAGRAM

- ELECTRICAL NOTES
1. ALL ELECTRICAL WIRING, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE OHIO BASIC BUILDING CODE AND TO THE NATIONAL ELECTRICAL CODE, NFPA STANDARD NO. 70.
  2. LIGHTING AND POWER CIRCUITS SHALL BE OF THE SIZE NOTED ON THE RISER DIAGRAM, USE THRU CU. WIRE.
  3. 1-6 ← INDICATES CIRCUIT NUMBER  
← INDICATES PANEL NUMBER
  4. THE METAL SIDING AND ROOFING SHALL BE GROUNDED AT A MAXIMUM DISTANCE OF 100'.

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION
⊙	WALL MTD. PORCELAIN LAMPHOLDER W/ PULL CHAIN, 100 WATT INCAND. BULB
⊙	WALL MTD. HIGH PRESSURE SODIUM LIGHT W/ PHOTO CELL, 150 WATT
⊗	CLG. MTD. FLUORESCENT LIGHT FIXTURE, 4-FPCW LAMPS
⊙	LIGHT/FAN COMBINATION, 50 CFM MIN, 100 WATT INCAND. BULB
⊕	SINGLE POLE SWITCH
⊕	DUPLEX RECEPTACLE
—	48" L ELECTRIC BASE BOARD HEATER, 1000 WATT, 240 VOLT

STATE OF OHIO

RICHARD F. BERTZ

48009

REGISTERED PROFESSIONAL ENGINEER

PROPOSED MINI-STORAGE BUILDING

MARVIN BUCHHOLZ

NAPOLEON, OHIO

ME-1

SHEET NO.