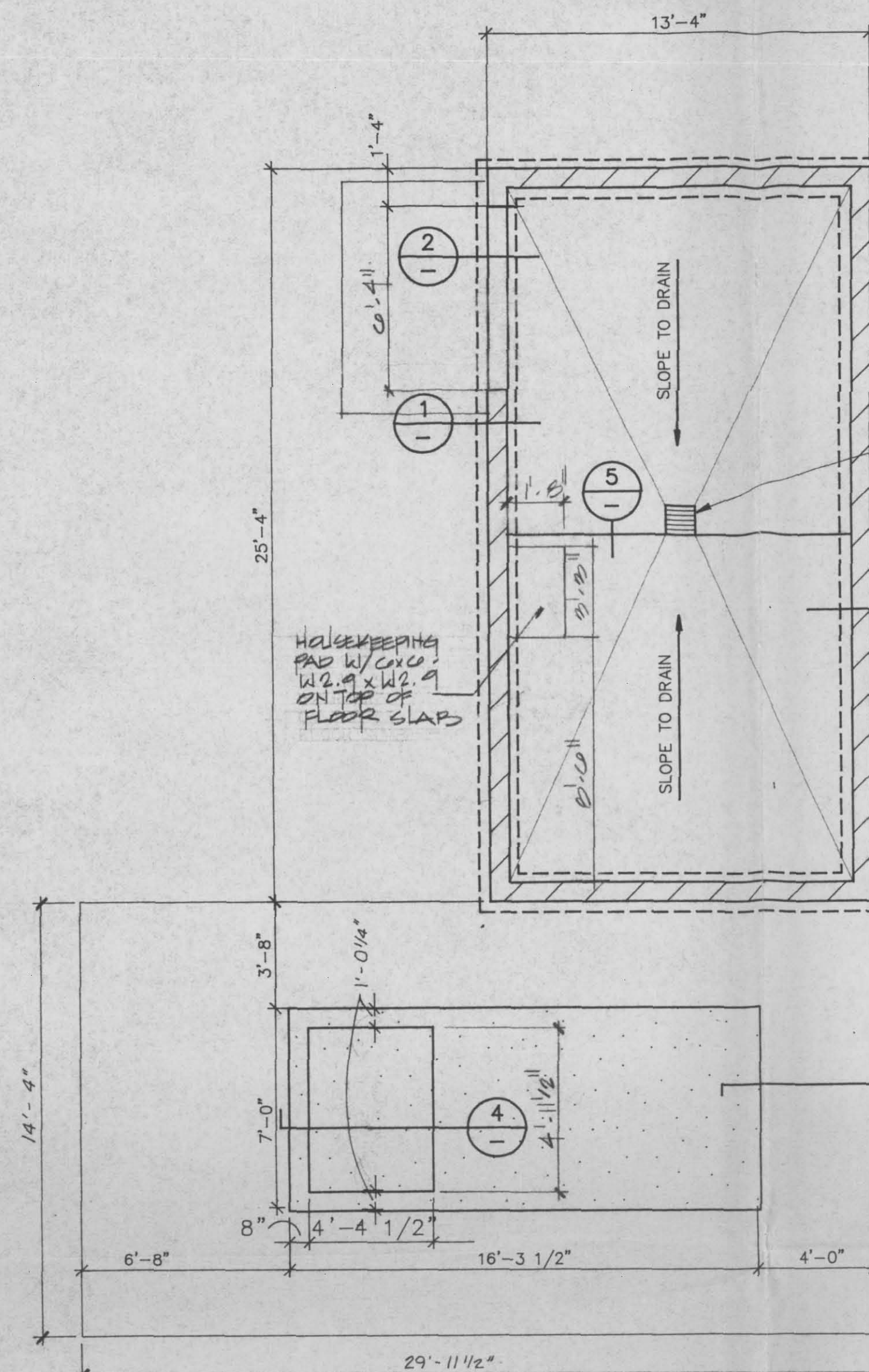
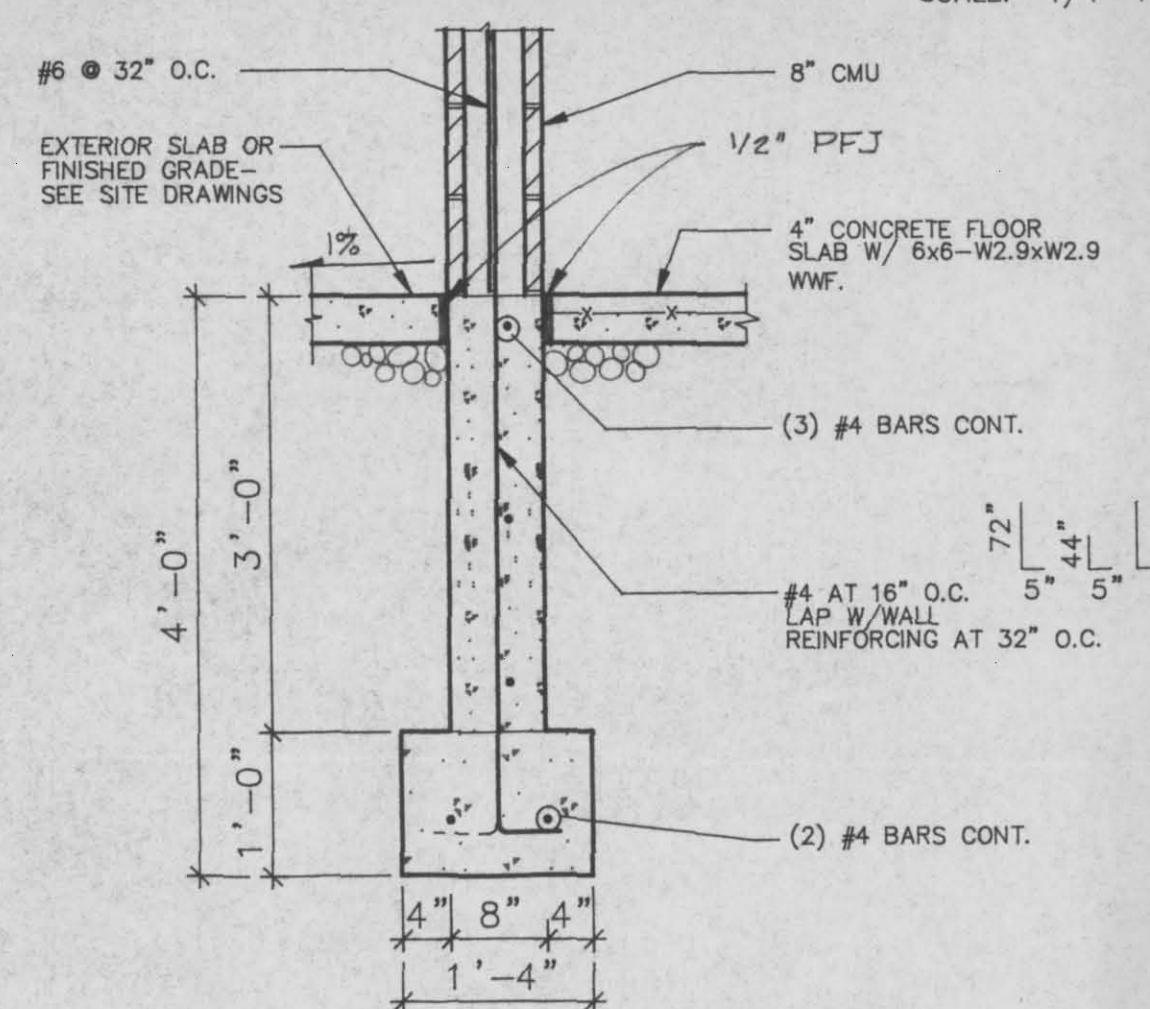


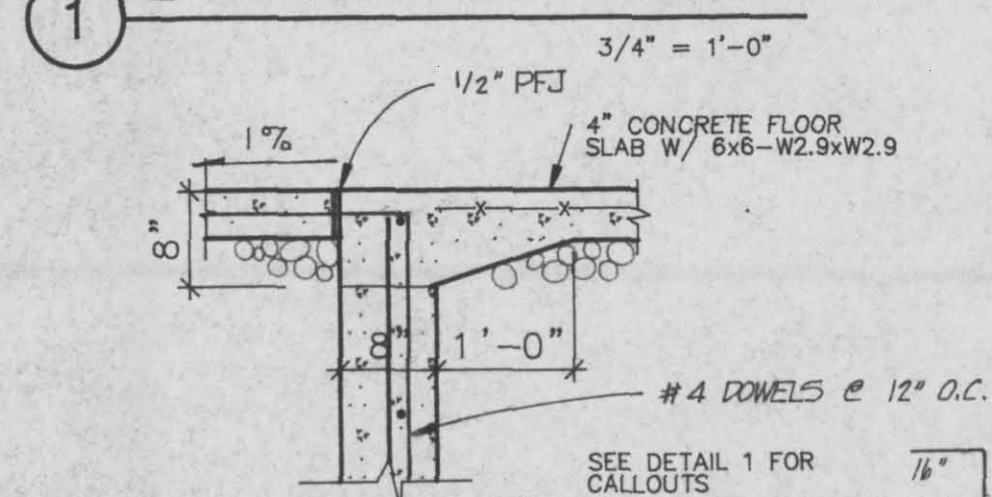


FOUNDATION PLAN

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

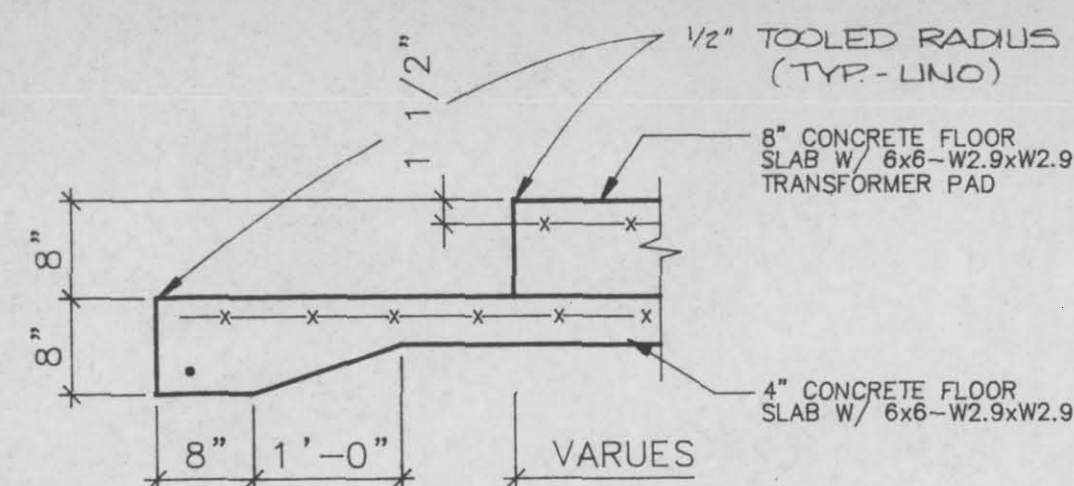


1 EXTERIOR CMU FOUNDATION



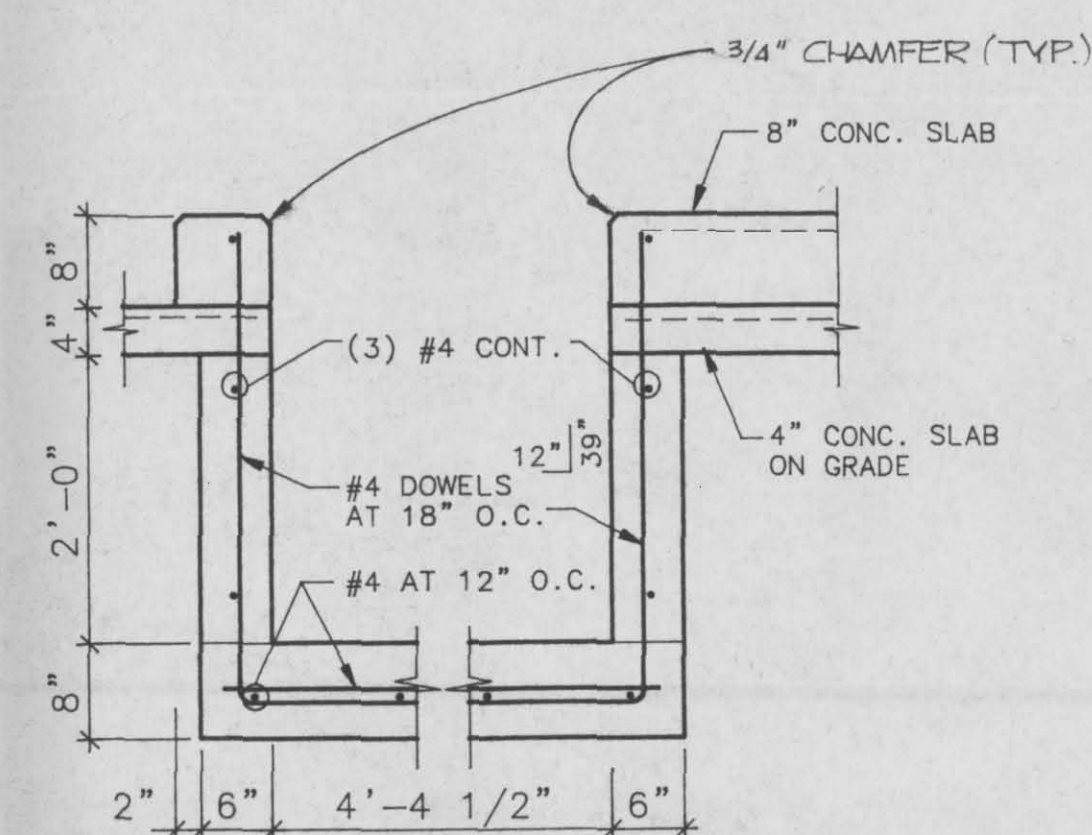
2 BLOCK DOWN AT DOOR

3/4" = 1'-0"



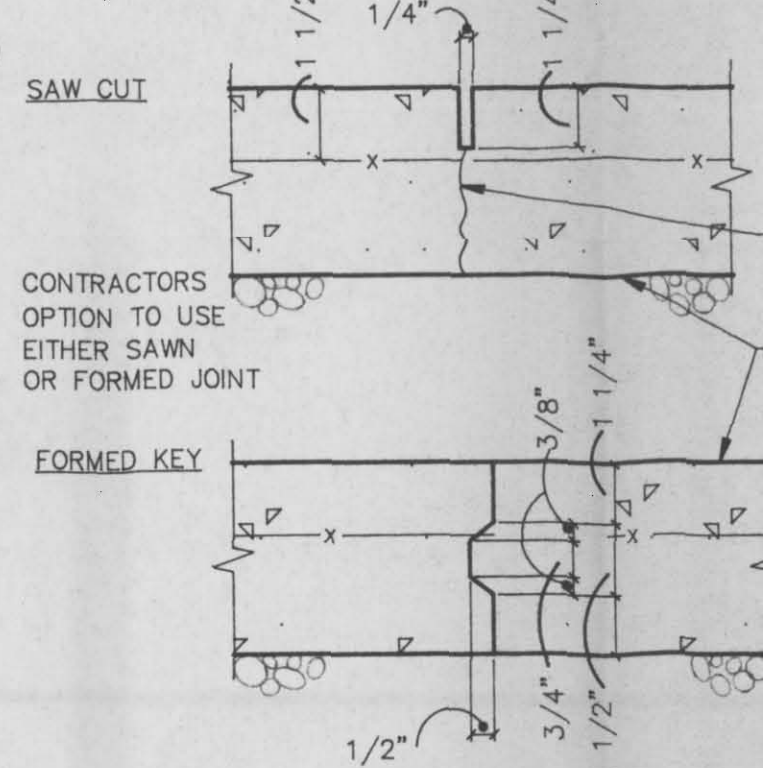
3 TRANSFORMER SLAB DETAIL

3/4" = 1'-0"



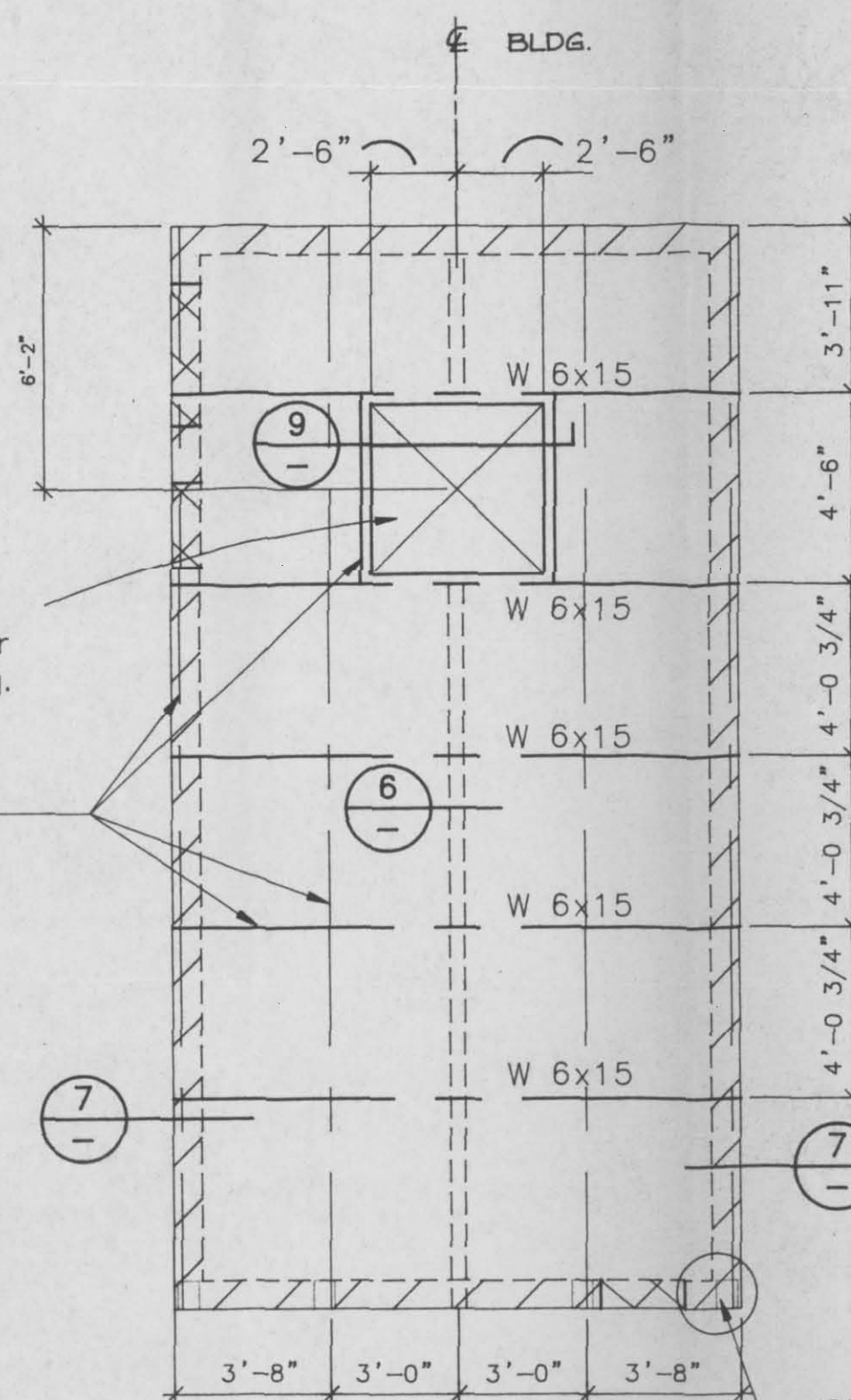
4 TRANSFER SWITCH VAULT

3/4" = 1'-0"



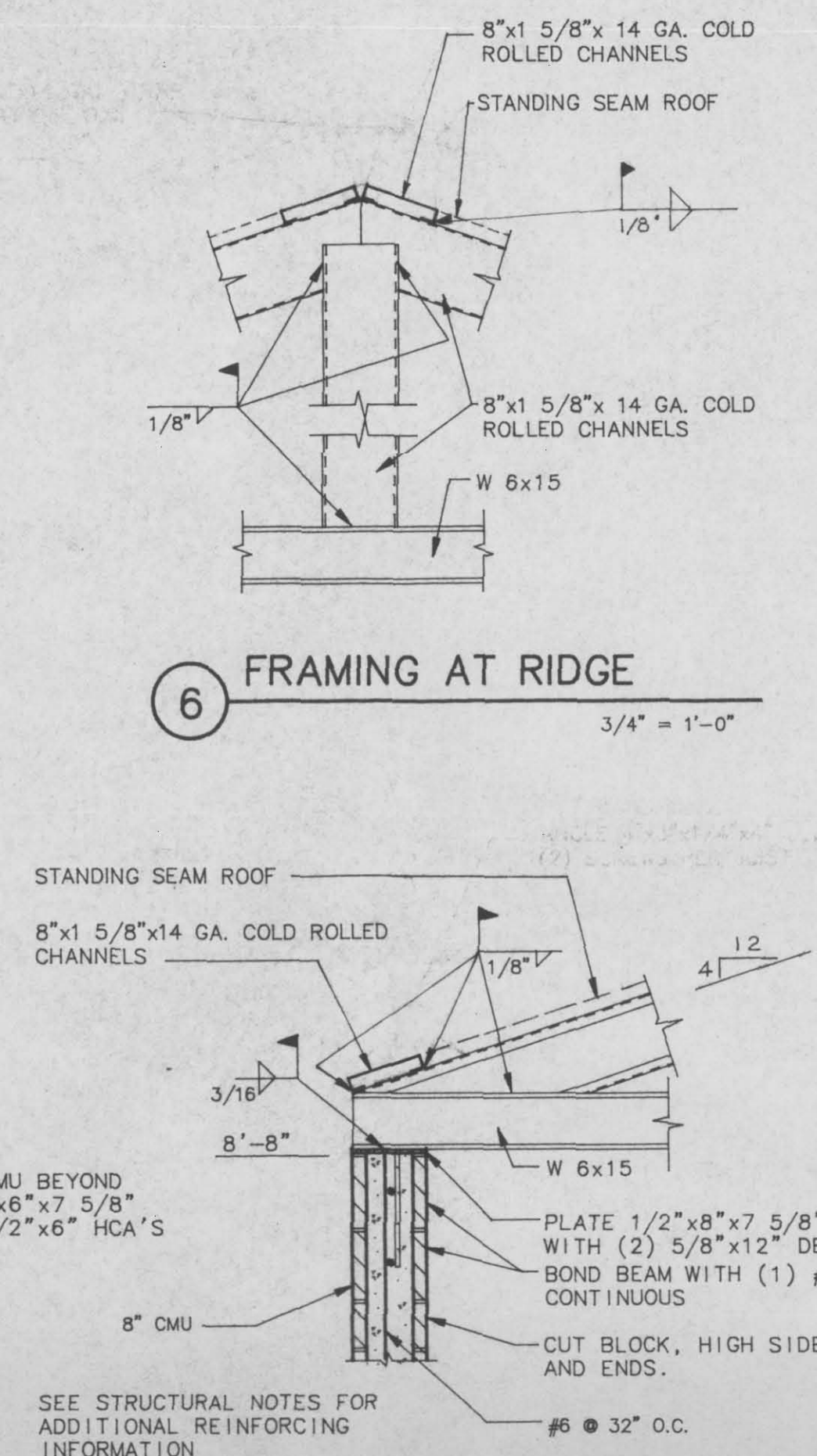
5 CONTROL JOINT

3" = 1'-0"



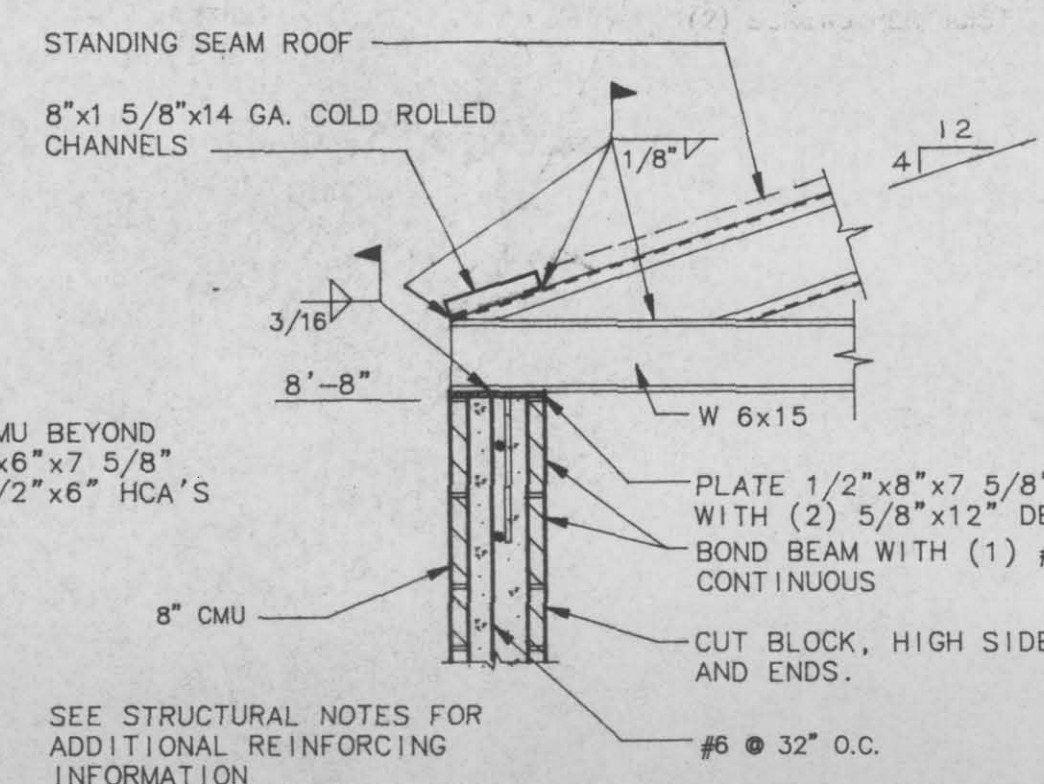
ROOF FRAMING PLAN

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



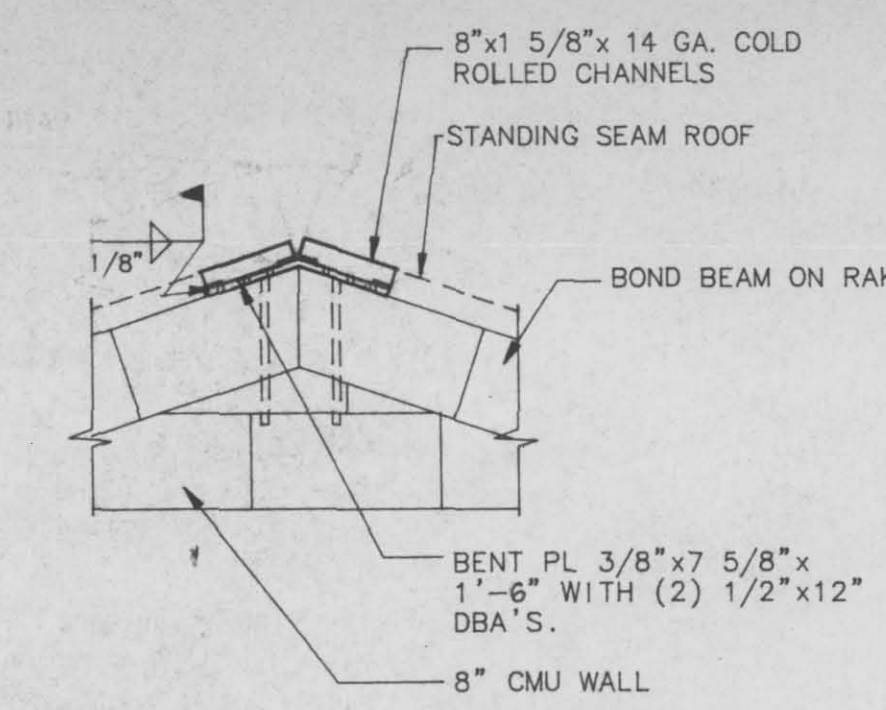
6 FRAMING AT RIDGE

3/4" = 1'-0"



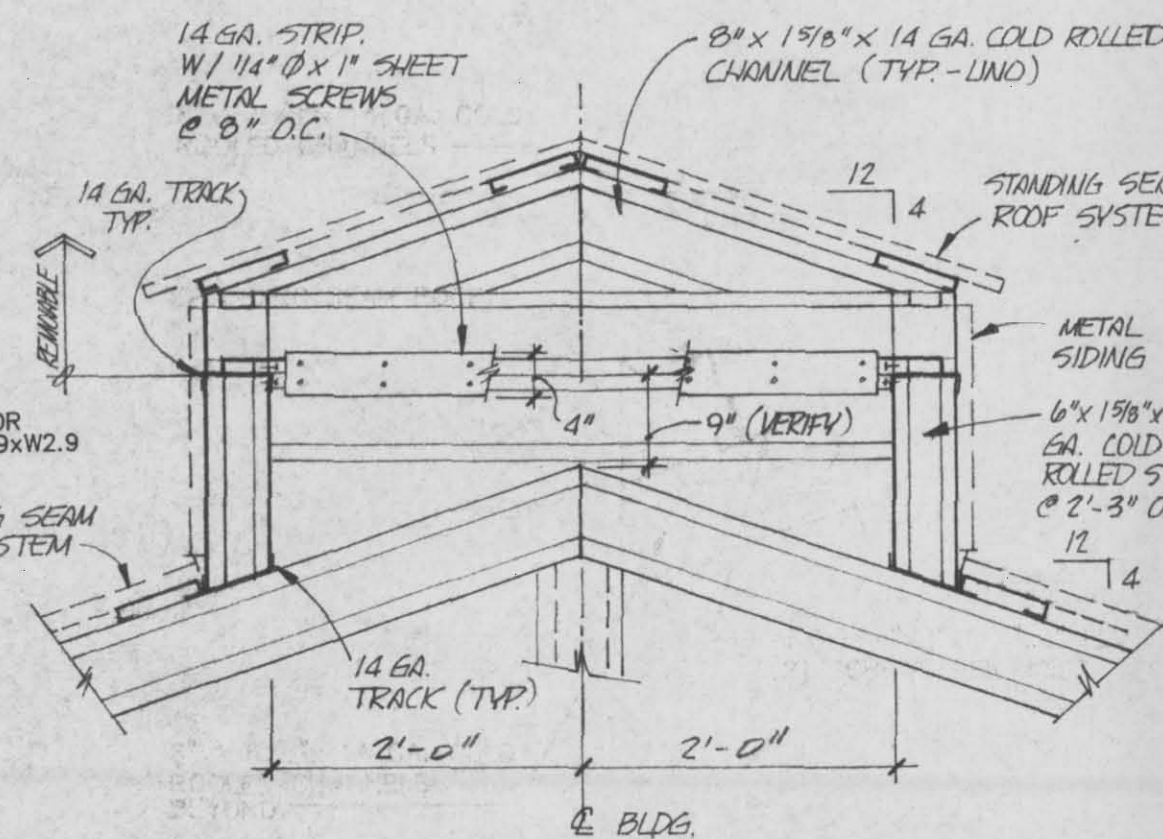
7 FRAMING AT EDGE OF WALL

3/4" = 1'-0"



8 JOIST CONN. AT RIDGE

3/4" = 1'-0"



9 FRAMING AT HATCH

3/4" = 1'-0"

STRUCTURAL NOTES

DESIGN CRITERIA:

1. Use 1988 Uniform Building Code.
2. Design Loads:
A. Roof: D.L. = 5#/SF., L.L. = 25#/SF.
3. Seismic Zone 2b.
4. Wind load = 70 MPH, exposure C.

FOUNDATIONS:

1. Maximum foundation soil bearing pressure used = 1500#/SF.
2. Backfill shall be compacted to 95% of maximum dry density.

MATERIALS:

CONCRETE:

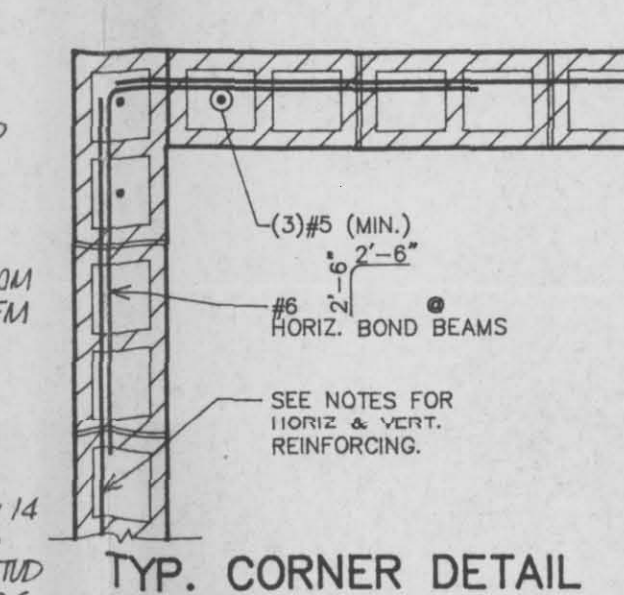
1. Mix design shall be established in accordance to Chapter 4 of ACI 318.
2. Minimum cement content = 500 #/YD.
3. Entrained air = 5% (+1/2%) for all concrete exposed to freezing (fdn. walls, ext. slabs, etc.).
4. Maximum slump = 4".
5. 28 day strength f'_c = 3500 PSI.
6. Concrete reinforcement ASTM 615, grade 60.
7. Minimum rebar lap = 40 bar diameters.
8. Welded wire fabric ASTM A185.
9. Min. welded wire fabric lap = 1 grid plus 2".
10. Minimum concrete cover over reinforcement:
Concrete cast against earth: 1 1/2"
Concrete exposed to earth or weather: 1 1/2"
Concrete not exposed to earth or weather: 3/4"
Beams and columns: 1 1/2"
11. Provide special inspection to meet requirements of UBC section 306(a) 1-4. General contractor shall provide a minimum of 48 hours notice to the special inspector prior to pouring concrete.

MASONRY:

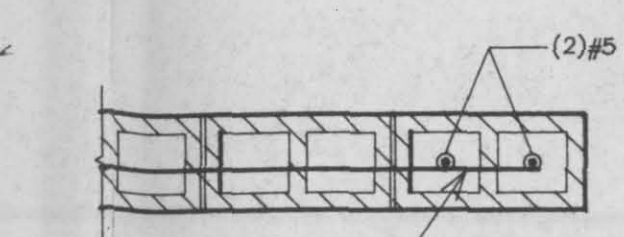
1. Concrete masonry units ASTM C90, grade N, type 1, light weight.
2. Special inspection is not required.
3. Partially grouted f'_m = 1500 PSI.
4. Grout f'_c = 2000 PSI.
5. Mortar type S.
6. Masonry reinforcement ASTM A615, grade 60.
7. Minimum rebar lap = 40 bar diameters.
8. Use running bond except as noted.
9. There shall be a minimum of (1) #4 on all sides of and adjacent to, every opening which is less than 48" in both directions. Where the opening is 48" in either direction, a minimum of (1) #5 bar shall be used; and such bars shall extend not less than 24" beyond the corner of the opening.
10. Joint reinforcement:
Side Rod Wire Size = .1483" diameter.
Cross Rod Wire Size = .1483" diameter.
11. Minimum joint reinforcement lap = 12 inches.
12. All cells containing reinforcement shall be filled solidly with grout. Grout shall be a workable mixture suitable for pumping without segregation and shall be thoroughly mixed. Grout shall be consolidated by puddling or mechanical vibration during placing and reconsolidated after excess moisture has been absorbed, but before workability is lost. The grouting of a wall shall be completed in one day with no interruptions greater than one hour.
13. All reinforcing and embedments shall be placed prior to grouting. Vertical reinforcing bars shall be held in position at the top and bottom and at intervals not farther apart than 200 bar diameters.
14. All concrete masonry walls shall be reinforced as follows unless otherwise noted on the plans:
Vertical Bars: (1) #6 at 32" o.c.
Joint reinforcing at 16" o.c. maximum.
Provide two bond beams with (1) #6 bar in each at top of walls.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. All steel work shall conform with AISC spec's.
2. Plates and shapes ASTM A36.
3. Cold rolled shapes shall conform to AISI spec's.
4. Use E70 electrodes for all welds.
5. Bolts ASTM A307 for connections to concrete.
6. Reinforce openings in standing seam roof in accordance with manufacturer's instructions.
7. Provide special inspection to meet the requirements of UBC section 306(a) 5 & 6. General contractor shall provide a minimum of 48 hour notice to special inspector prior to any field welding operations or installation of high strength bolts.



TYP. CORNER DETAIL



TYP. JAMB OR END DETAIL



STAPLEY ENGINEERING
8720 OVERLAND RD.
BOISE, IDAHO 83709
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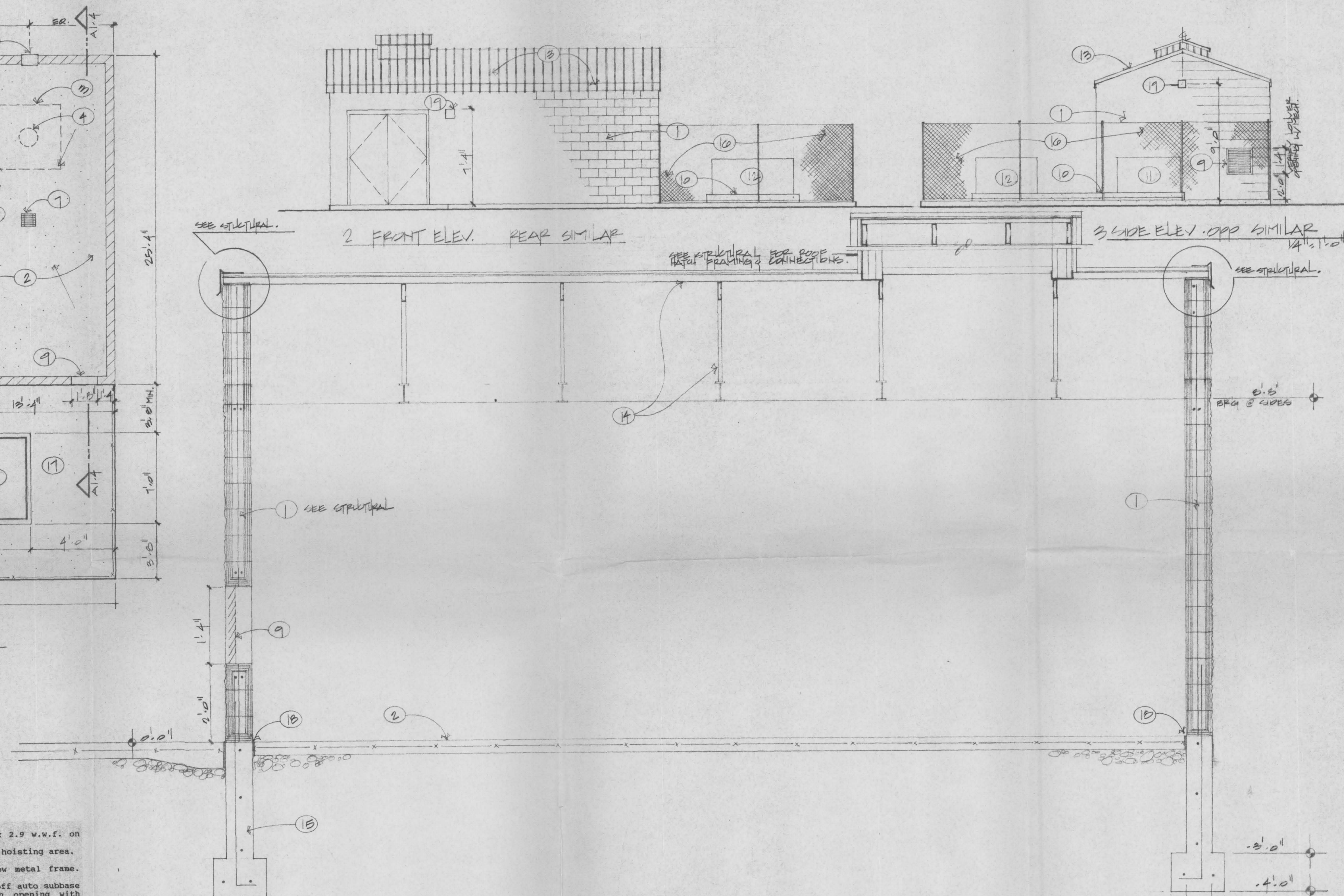
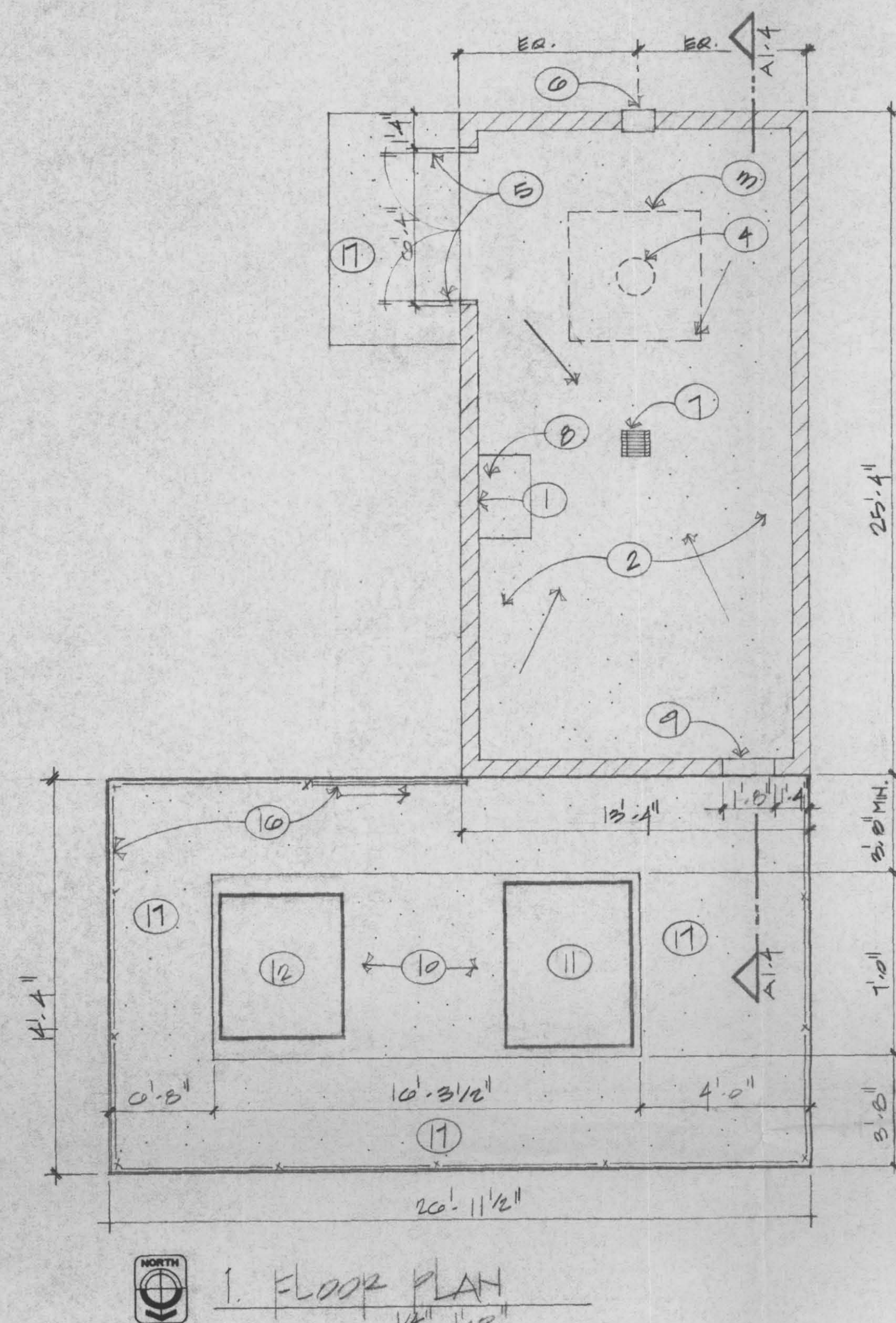
no	revisions	date

billy ray strite
architect p.a. a.i.a.
twenty six sixty grover court
boise, idaho 83705 208-336-8370

MICRON WELLHOUSE
for McALVAIN CONSTRUCTION

drawn	JBB
date	Oct., 1990
checked	DBS
job no.	9999
sheet	S-1

PRELIMINARY
NOT FOR CONSTRUCTION



- ## KEY NOTES
1. 8" x 8" x 16" split-faced CMU. Sealed.
 2. 4" concrete floor slab with 6 x 6 x 2.9 x 2.9 w.w.f. on comp. base.
 3. 4'-0" x 4'-0" roof hatch over well and floor hoisting area.
 4. Well casing.
 5. 6'-0" x 7'-0" hollow metal door and hollow metal frame. Provide weather stripping and threshold.
 6. 9" x 9" exhaust fan and thermostat with on-off auto subbase top at 7'-4" a.f.f. Field verify rough opening with Mechanical.
 7. 24" x 24" floor sink to drainage field.
 8. 4" high housekeeping pad.
 9. 16" x 20" OSA louver at +2'-0" a.f.f. with electric damper and filter. Field verify rough opening with Mechanical.
 10. 8" high concrete housekeeping pad.
 11. transformer 3'-0" x 4'-2" x 3'-8"H - 3524 lbs.
 12. 12kv transfer switch 5'-7"W x 4'-10-1/2"D x 3'-8"H - 1550 lbs. Provide 6'-0" clearance at front and back of unit.
 13. Pre-colored standing seam roof and fascia.
 14. Steel roof framing. See Structural.
 15. 8" conc. foundation wall on 1'-4" conc. footing with #4 bars cont. horizontally and #4's at 16" o.c. vert. See Structural.
 16. 6'-0" high chain link fence with barbed wire at top and a 6'-0" wide sliding fence gate.
 17. Slope concrete 1:1 for drainage.
 18. 1/2" expansion joint.
 19. Light - See Mechanical.

4. WALL / BUILDING SECTION

PRELIMINARY
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MICRON

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Boise, Idaho 83706
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brs
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MICRON WELLHOUSE
for McALVAIN CONSTRUCTION

drawn	CAL
date	SEPT. '90
checked	
job no.	9099
sheet	A-1