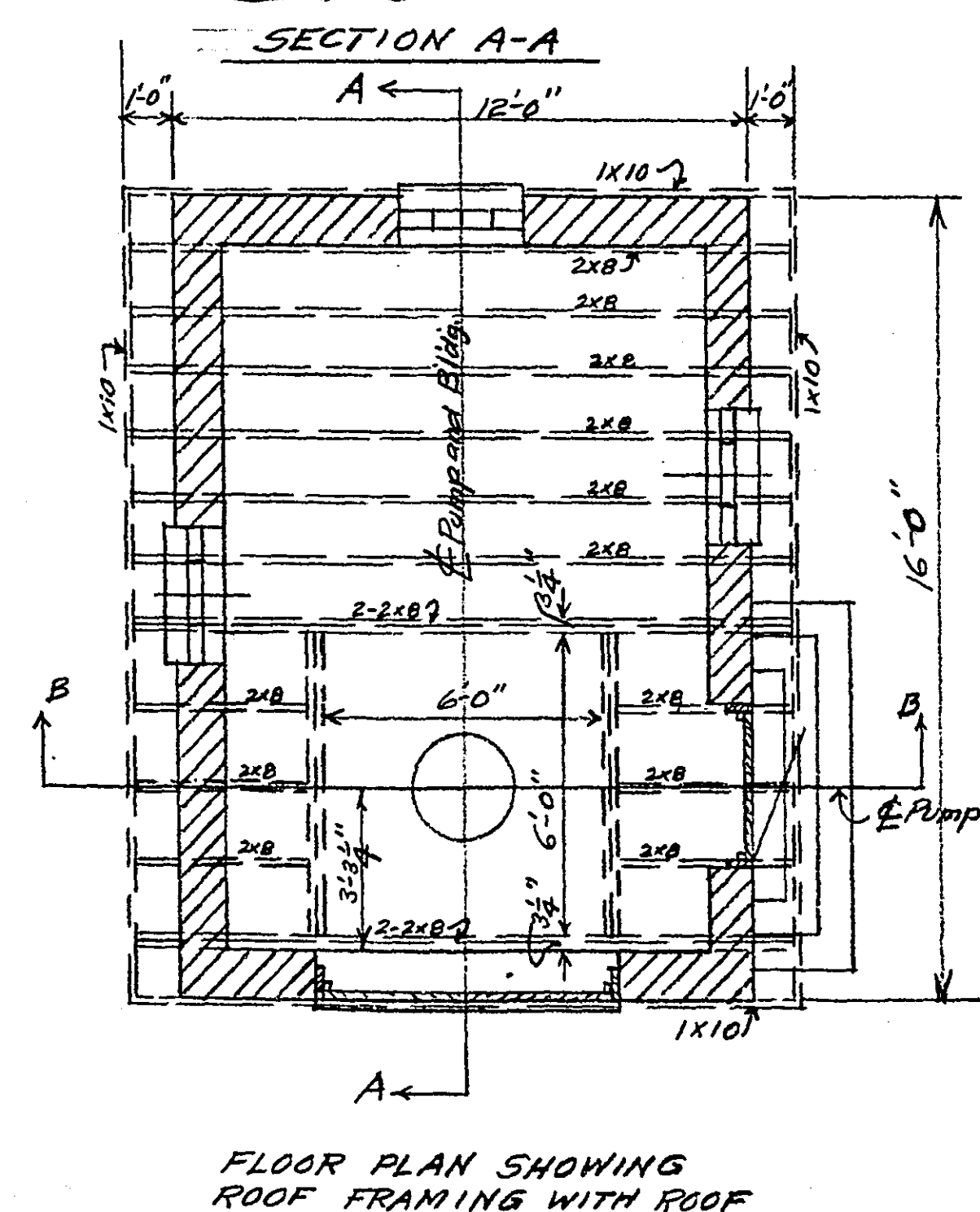
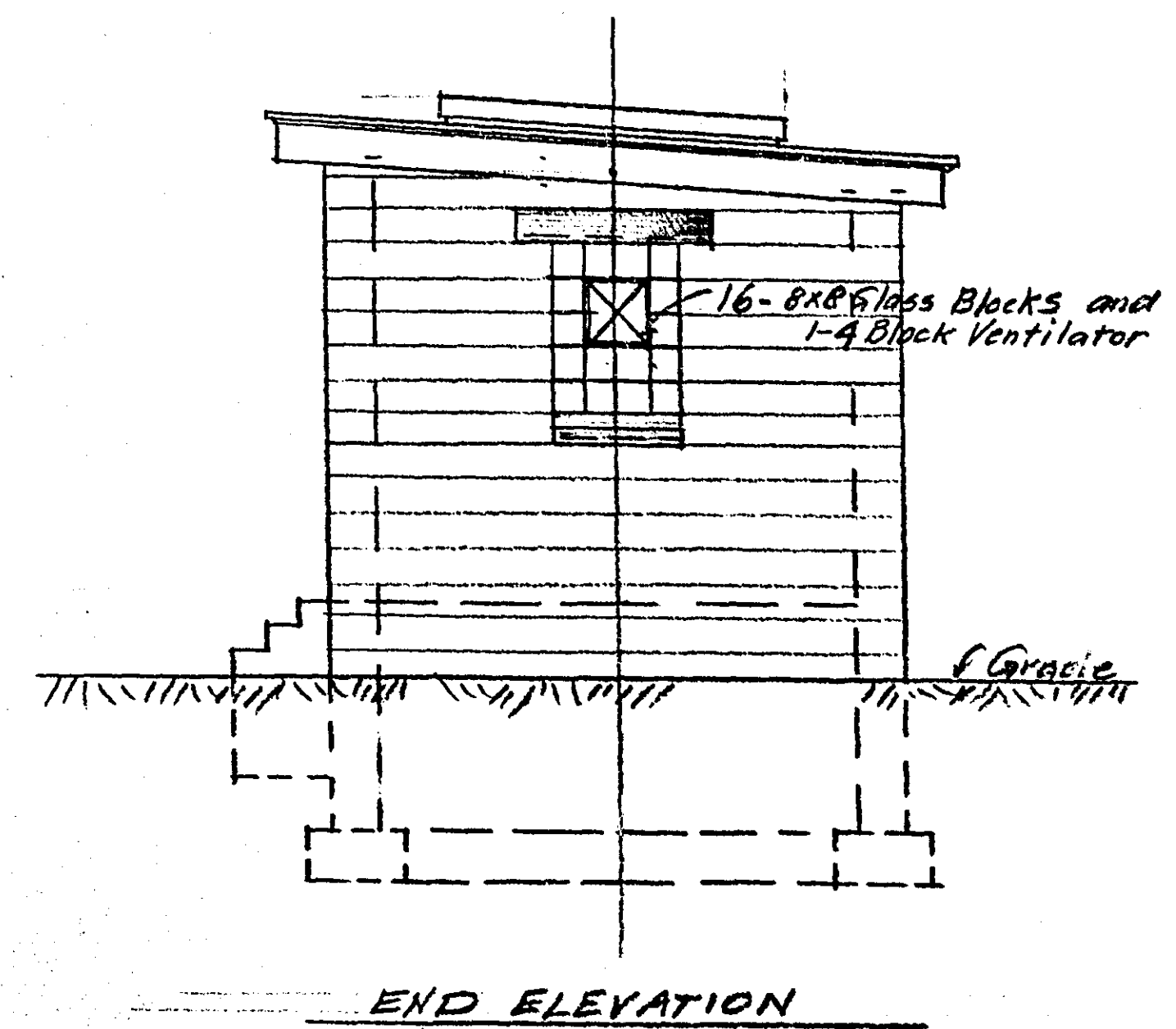
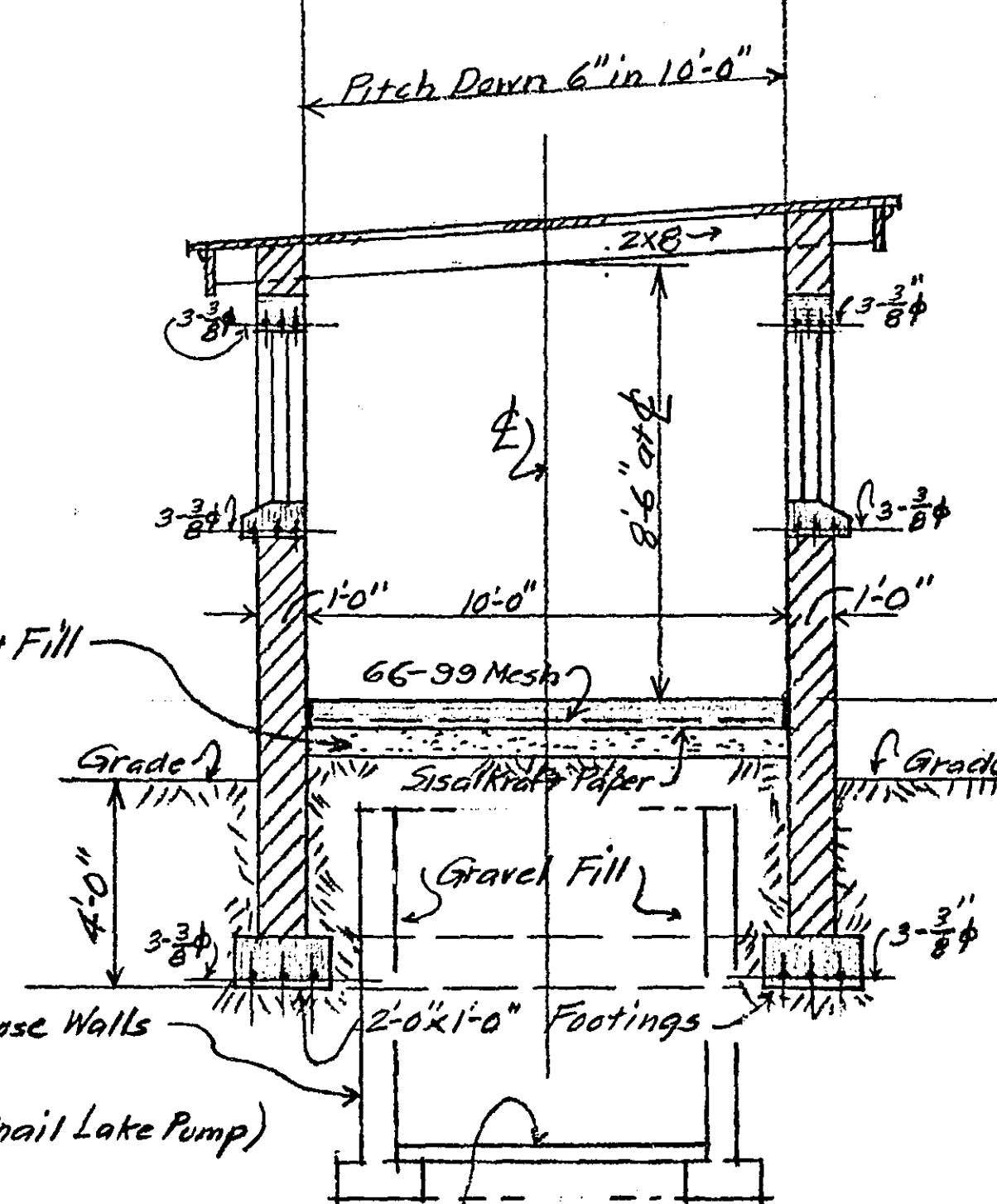
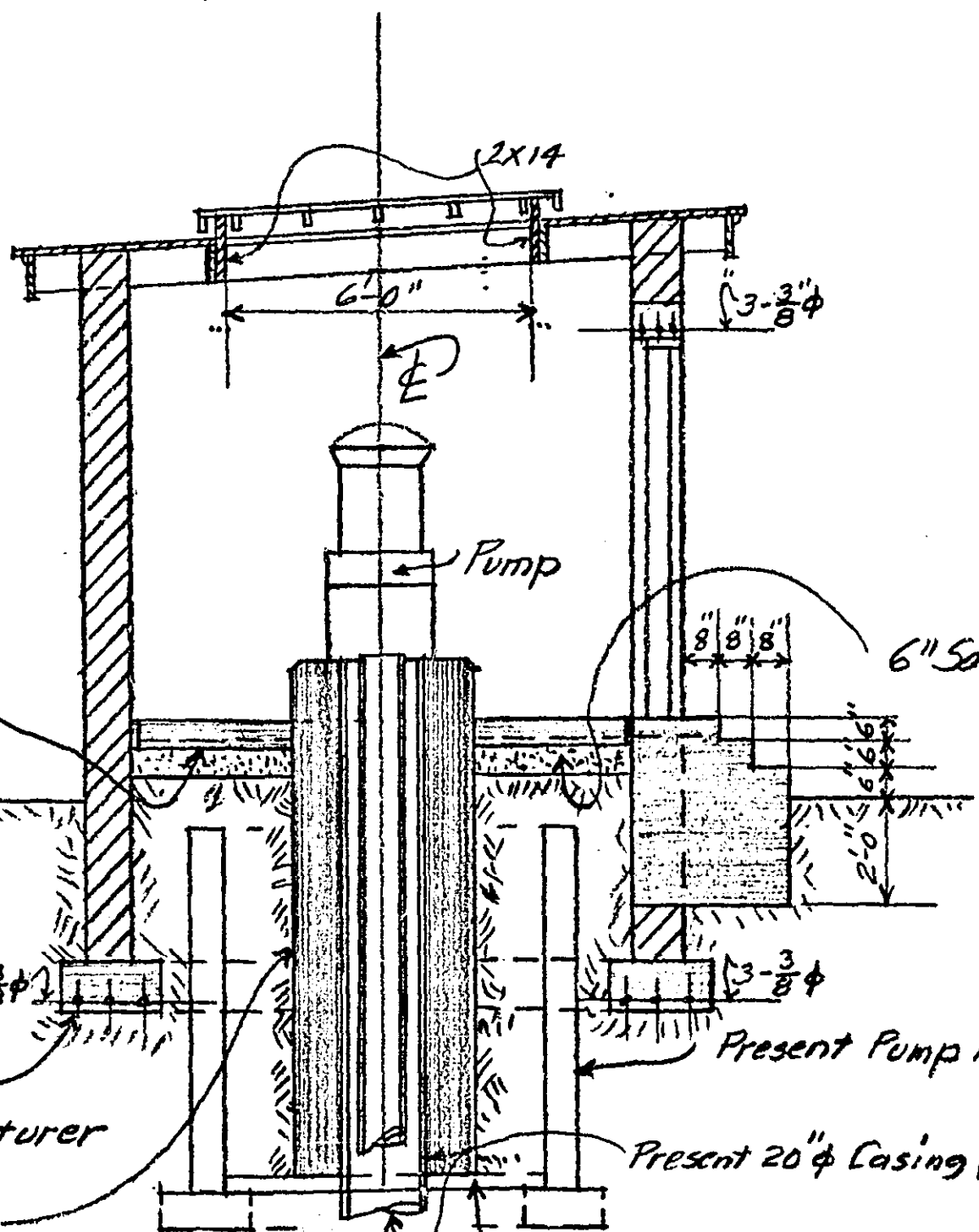
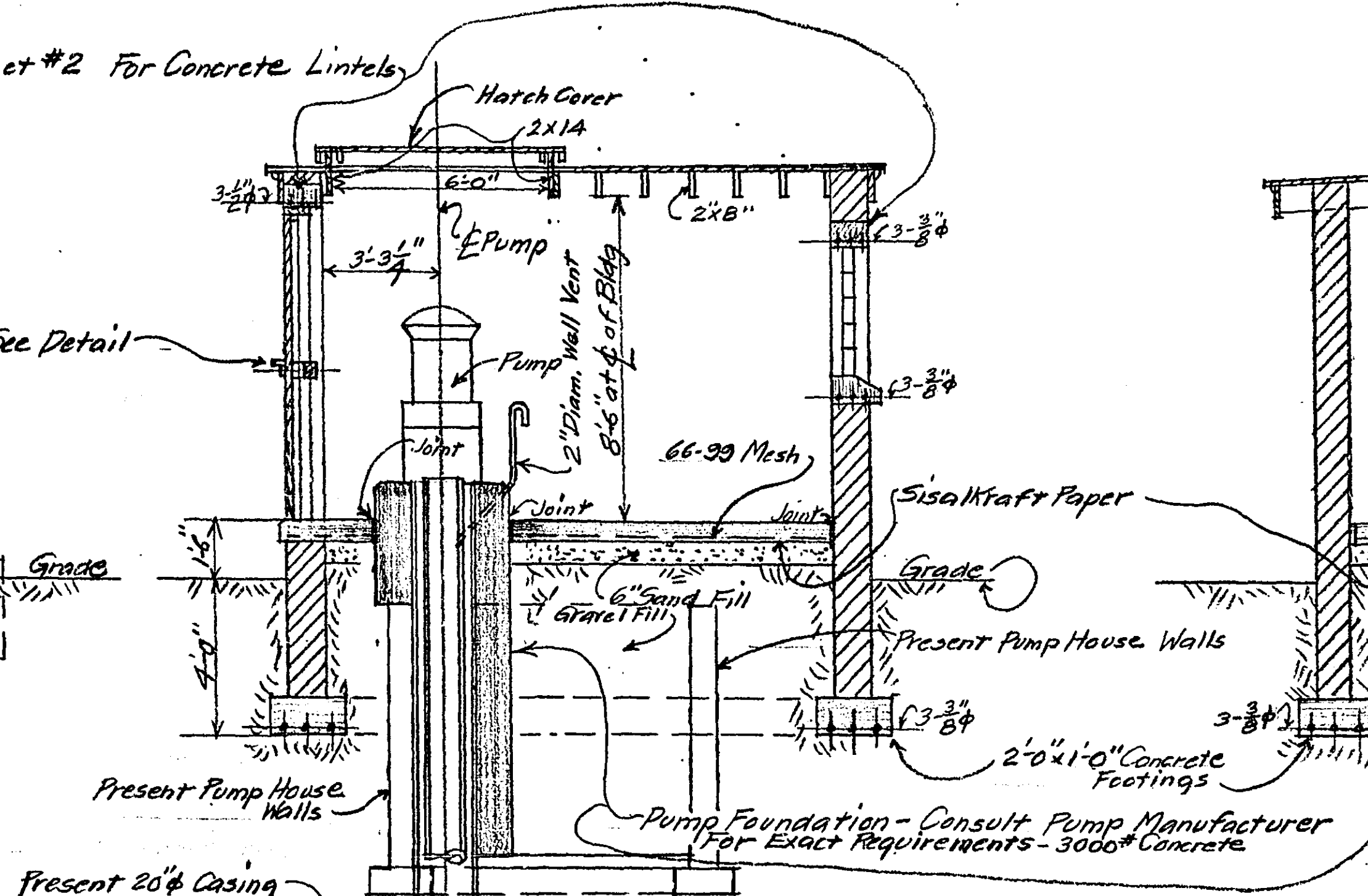
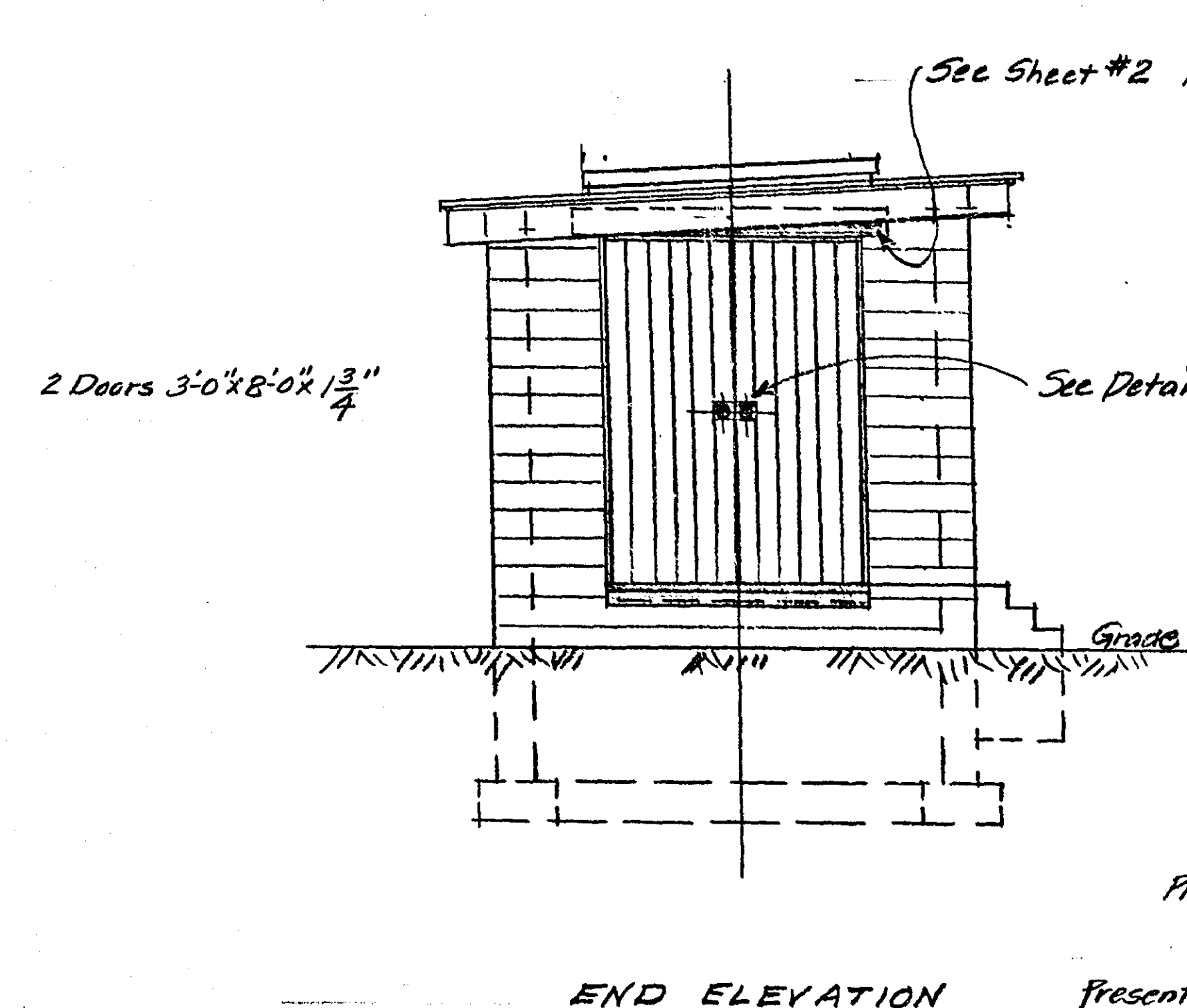
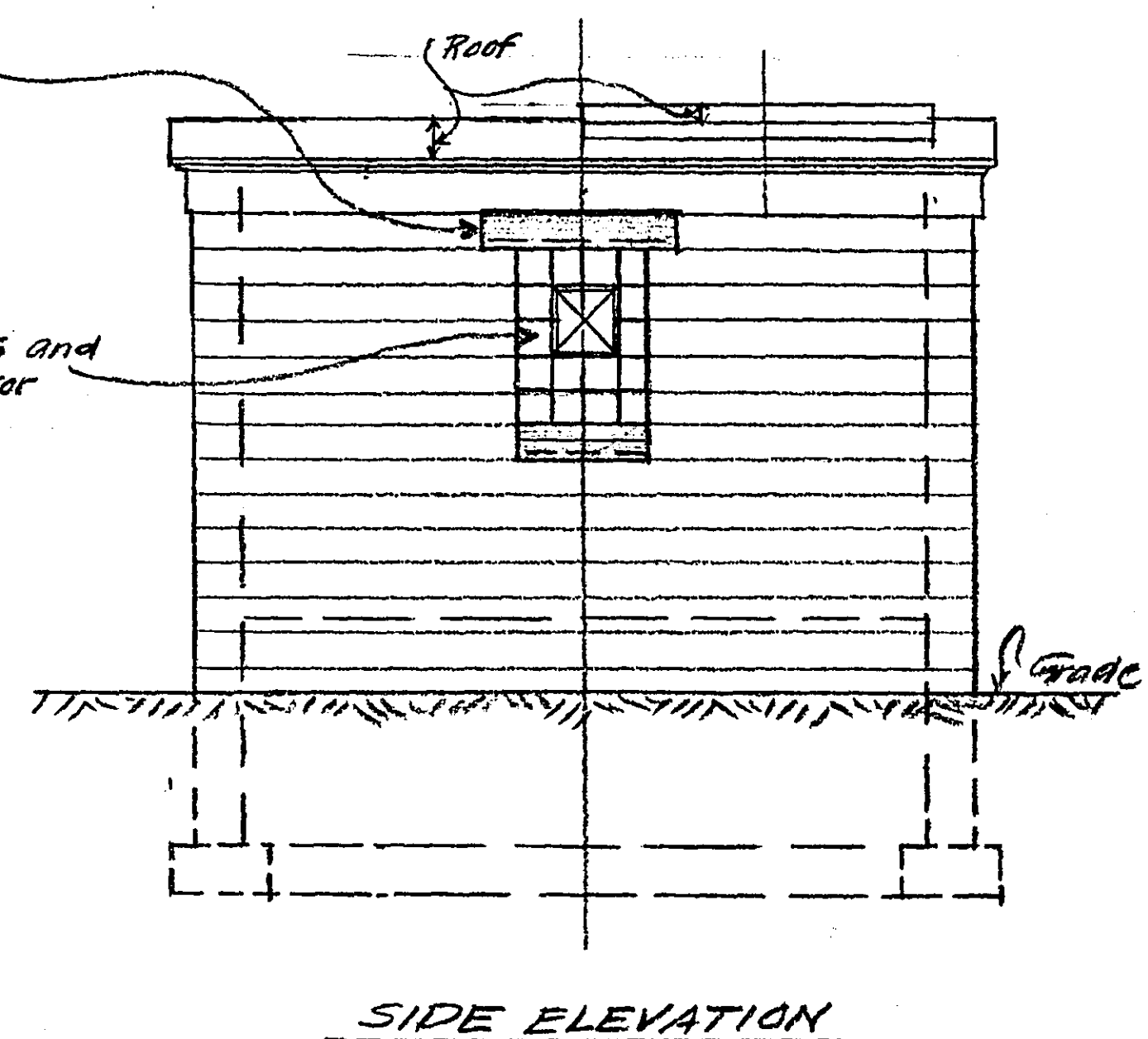
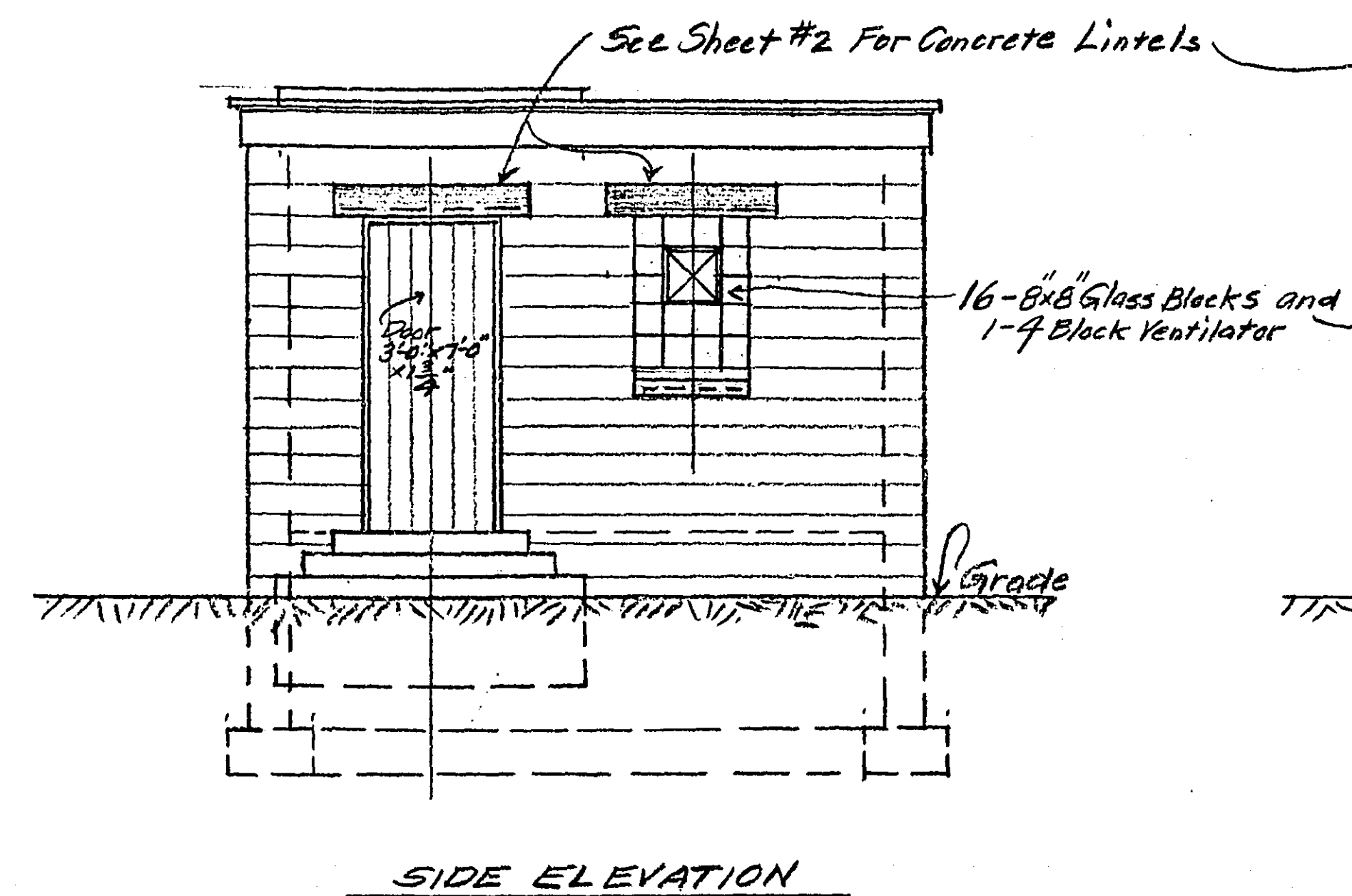
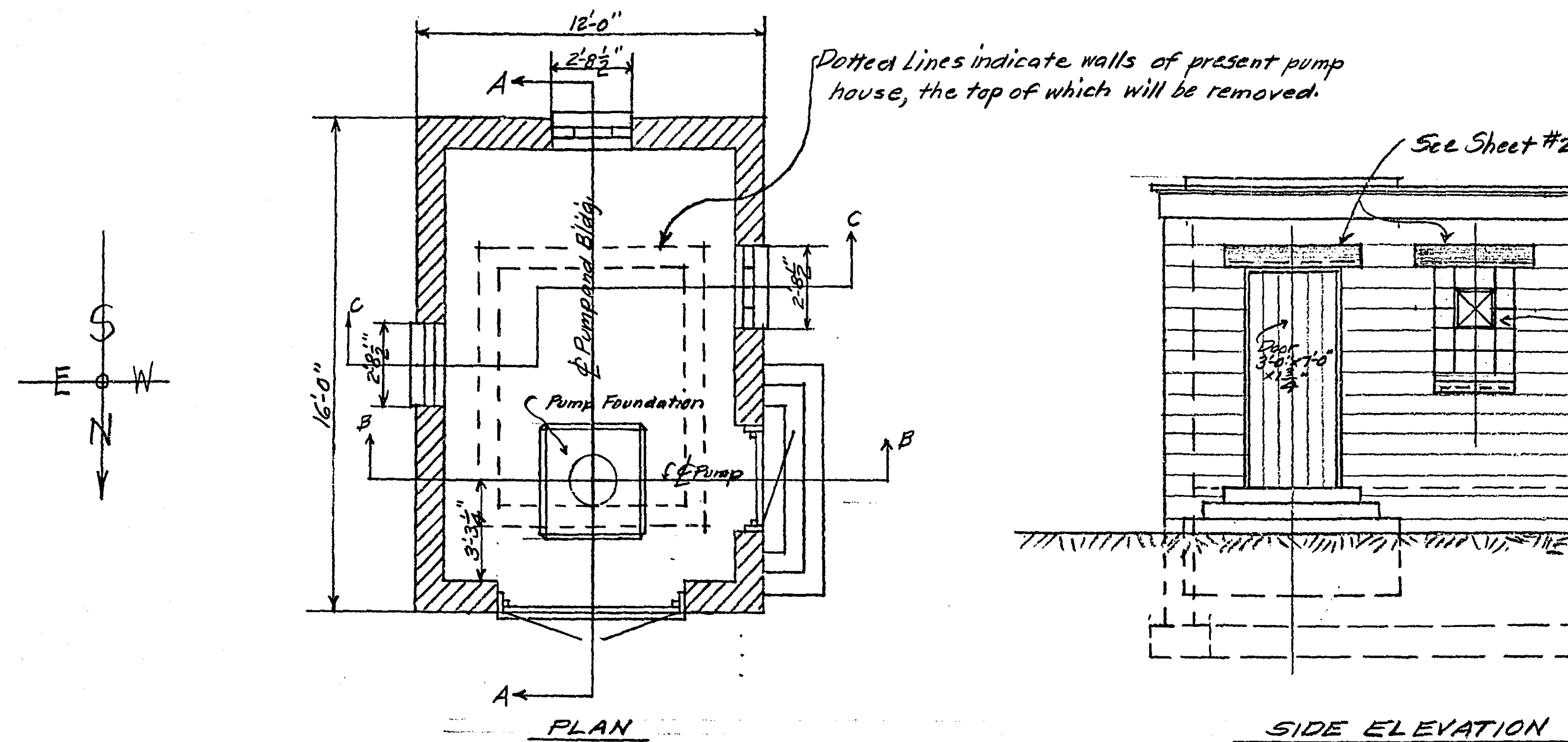


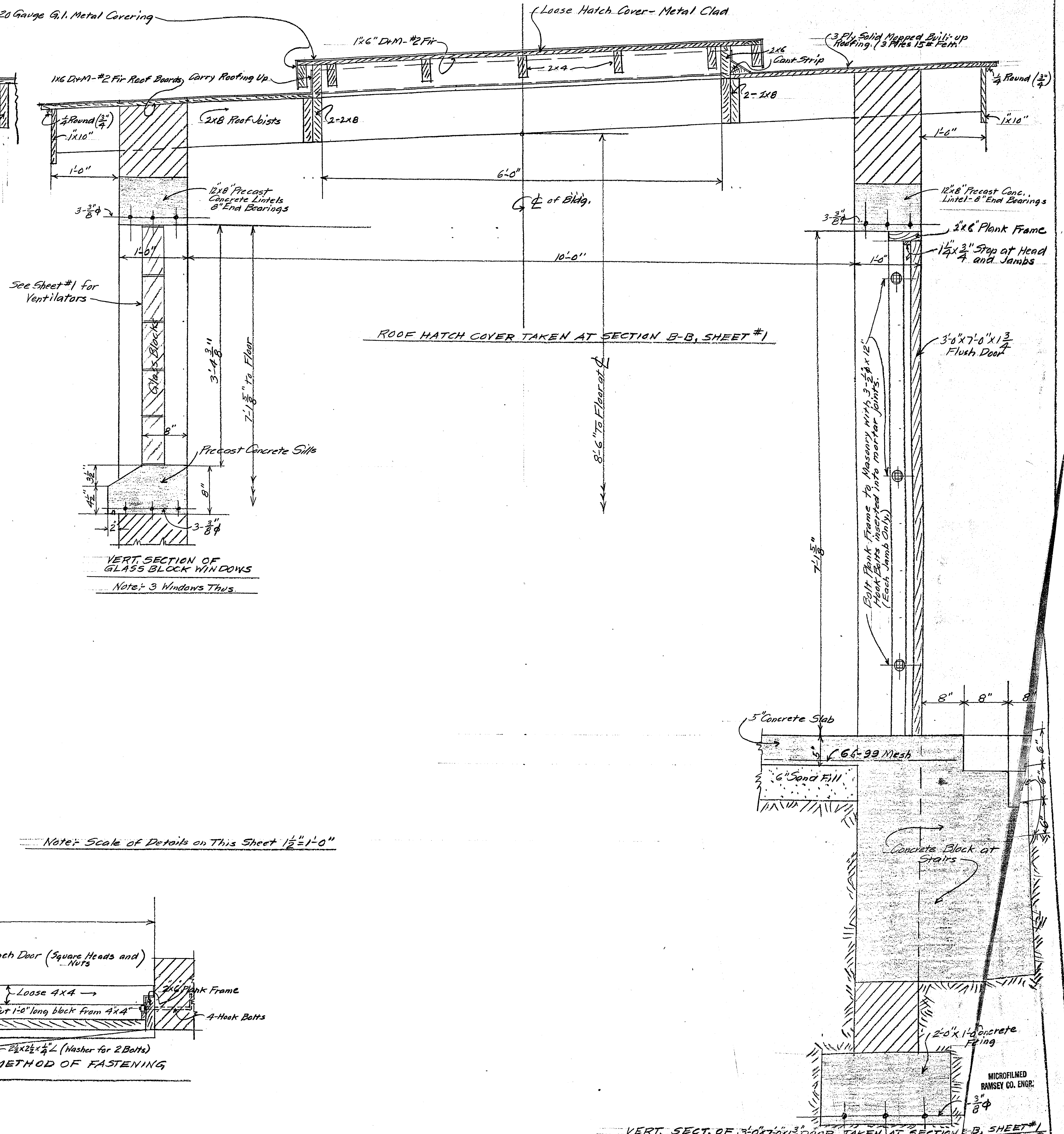
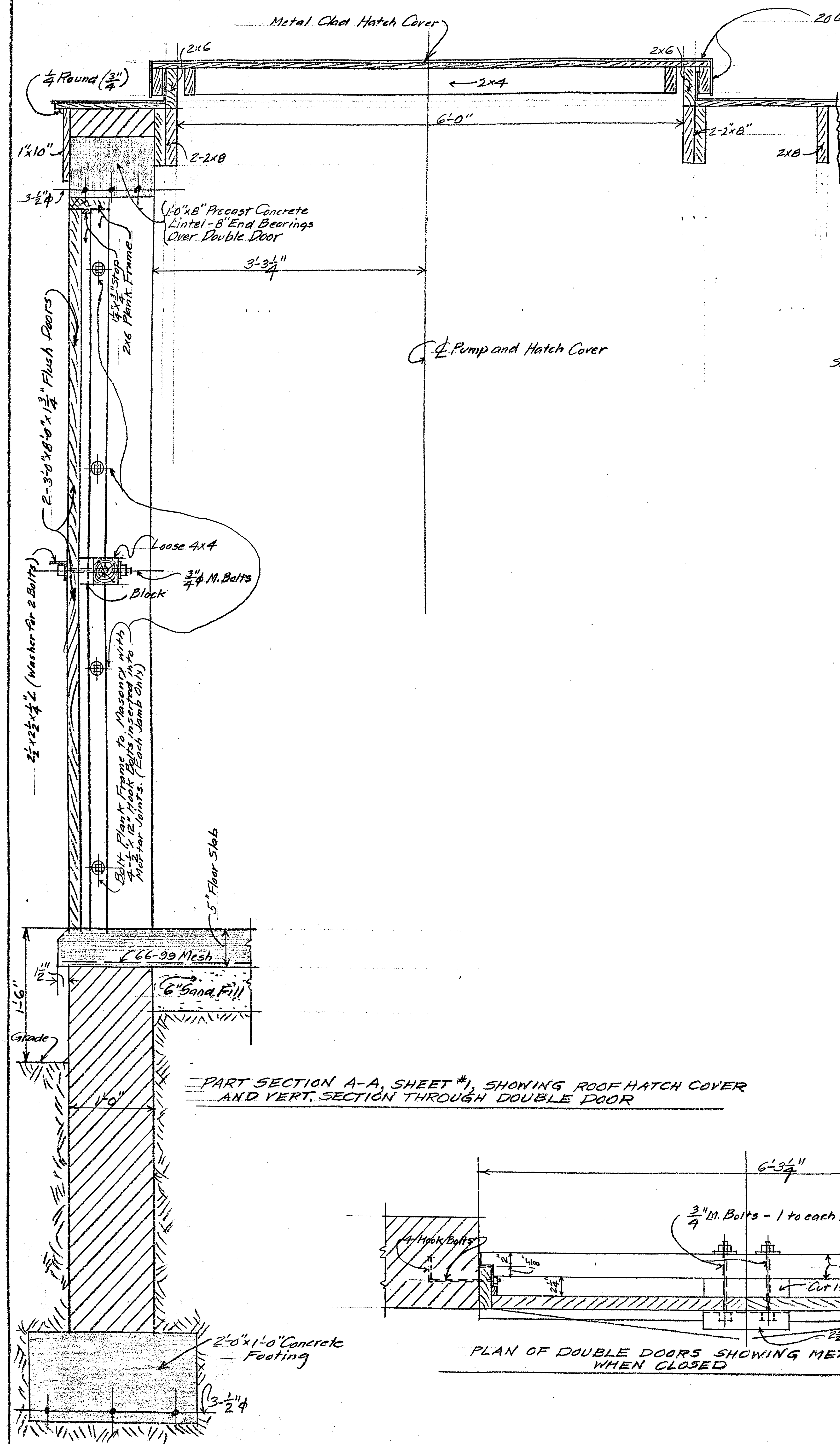


- ### SPECIFICATIONS
- Drawings:** These consist of Sheets #1 and #2. Sheet #1 shows general construction and Sheet #2 shows details.
 - Excavation and Backfill:** Excavate to depths shown for installation of Footings and Foundation Walls. After Footings and Foundation Walls have set and are well dried out backfill and tamp against future settlement around building and under Floor Slab.
 - Concrete:** All Concrete for Footings, Floor Slab, Sills and Lintels to be ready mixed in transit 3000# concrete. Build to dimensions shown. Floor Slab to be 5" thick deposited on a well tamped 6" sand fill. Before pouring slab, lay 1 layer of Sisalkraft paper on top of sand, leaving paper in place. Top surface of Floor Slab to be level and have a troweled finish. Provide troweled finish for stair treads and risers. Use ready mixed 3000# Concrete for Stair Construction also.
 - Reinforcement:** Floor Slab to be reinforced with 66-99 wire mesh. See plans for bar reinforcement of Footings, Sills and Lintels. Use new billet stock for reinforcing rods.
 - Concrete Blocks:** These will be modular units 12"x8"x16" meeting all requirements of the Building Code of the City of St. Paul, Minn. Vertical and horizontal joints to be 2" joints, flush on inside and tooled on outside. Reinforce alternate horizontal joints with Duro-Wal Joint reinforcement. Blocks to be laid with full bed mortar joints, mortar to be Masonry Cement Mortar, mixed 1:3. (One Star or Equal). Provide Lamb and Corner Units as necessary.
 - Lumber:** Roof Boards to be 1x6 D.M. 12' Fir Boards. All Dimension Lumber, including door frames, raft joists, hatch cover framing etc to be #1 Fir of sizes shown.
 - Millwork:** Provide doors as shown. Doors to be of flush plank type with vertical joints. Door frames to be well caulked. Note detail on Sheet #2 showing method of fastening double door when closed. 4x4 loose bar to be #1 Fir.
 - Glass:** Windows to be of Glass Block units 7 1/2"x7 3/4", "Argus" as supplied by Pittsburgh-Corning Glass Co. Lay up units in standard mortar required for such construction. Use Clear Glass. See #19 below for Ventilators.
 - Hardware:** Provide 3-6x6 heavy Tee hinges for each door, together with cylinder lock and 3 keys for single door. Hardware to be Corbin, R.W. or equal. Contractor to furnish samples for approval. See Detail for method of Locking Double Door.
 - Painting:** All exposed wood work including doors, door frames, projecting raft joists, bottom of projecting raft boards, 4x4 loose bar at double doors, 1x10 fascia board and ground etc to be primed and receive 1 coat of Pittsburgh Sun Proof Paint, Perch Grey in Color. Doors will be painted both sides. No painting will be required on roof construction inside of building.
 - Roofing and Sheet Metal:** Apply to top of Roof Boards a 3 Ply Solid Mapped Built Up Roof using 3 plies of well lapped 15# Felt nailed as necessary with large headed roofing nails. Carry up roofing on Roof Hatch Cover frame as shown. Upper edges of Felt to be nailed to boards with 1" Simplex flooring nails, 6" centers. To top and sides of Hatch Cover apply 20 Gauge G.I. Sheet Metal as shown. Flash all around Hatch Cover Frame with G.I. Flashing.
 - Pump Foundation:** To be included in this Contract. Consult County Engineer for requirements.
 - County Engineer:** All Work will be under the Supervision of the County Engineer, whose decision will be final in case of problems which may arise.
 - Cleaning Down:** At completion of job, clean down masonry walls with Muriatic Acid. Leave Building broom clean and remove all debris from site, including excess dirt from excavation.
 - Building Permit:** Contractor will obtain Building Permit from proper authority.
 - Insurance:** Contractor will carry all types of insurance necessary to save Ramsey County (The Owner) harmless against law suits or claims resulting from accidents to the public, Contractors employees or Employees of Ramsey County incident to Contractors operations.
 - General:** Note that Drawings are Standard for All County Locations and show a level grade. In case the grade is not level, consult the County Engineer who will set the grade for Top of Floor and also set Corner Stakes.
 - General:** It is the intent of Plans and Specifications to produce a complete, finished job and any errors or omissions therein will not excuse contractor from doing work which should be done from a self evident standpoint.
 - Ventilators:** Glass Block openings will be equipped with Ventilators 2 Blocks wide and 2 Blocks high. Ventilators will be W.M.C. Aluminum Projected Units as manufactured by the Wausau Metals Corp. of Schfield, Wis. (Or Equal). They will be hinged at bottom to swing in. No screens or storm sash. Ventilator sash will be complete with hardware. Ventilator sash will be glazed with D.S.A. clear glass set in plastic putty.
 - Present Pump House:** Contractor will remove top of present pump house down to a level 6" below grade. All present construction below this level may remain in place. Perforate present floor slab with at least 20-4" holes evenly distributed throughout floor. Fill between walls of present Pump House with gravel compacted in layers from present perforated floor to bottom of new 6" sand fill. Before pouring new floor slab install one layer of Sisalkraft paper on top of 6" sand fill and pour new floor slab concrete thereon.

PLANS SHOWING PROPOSED CONSTRUCTION
OF
DEEP WELL PUMP HOUSE;
FOR
SNAIL LAKE - RAMSEY COUNTY, MINN.
FEB. 1958
H.S. BRONSON, COUNTY ENGINEER
(2000)

Note: These plans Sheets #1 and #2 cover Pump House at Spring Lake. They will also apply to Proposed Pump House for Island Lake. They will also apply to Pump House at Snail Lake.

Note: This Plan to be used for Pump House at New Golf Course.



PART SECTION A-A, SHEET #1, SHOWING ROOF HATCH COVER AND VERT. SECTION THROUGH DOUBLE DOOR

PLAN OF DOUBLE DOORS SHOWING METHOD OF FASTENING WHEN CLOSED

VERT. SECT. OF 3'-0" x 7'-0" DOOR TAKEN AT SECTION B-B, SHEET #2

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RAMSEY CO. ENGR.