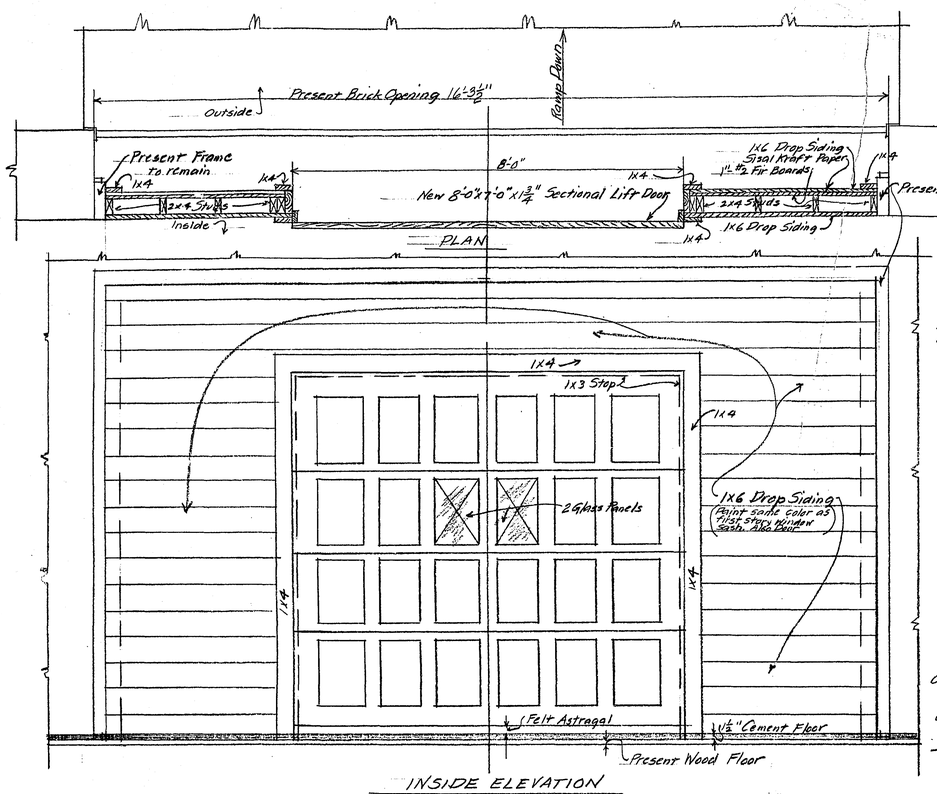
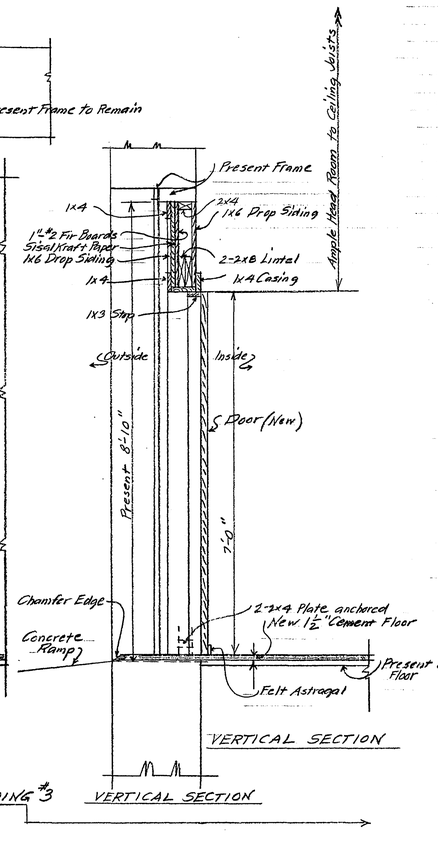


INSIDE ELEVATION

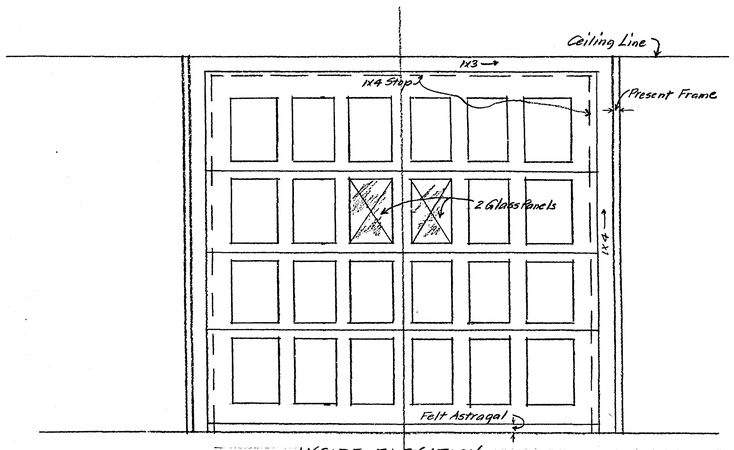
Note:- Remove and discard present sliding Doors.



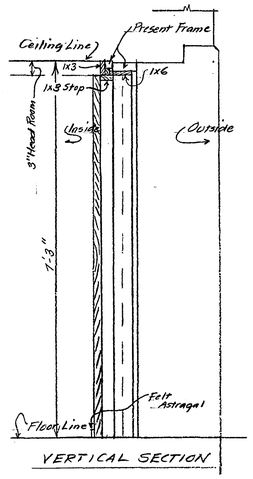
VERTICAL SECTION

VERTICAL SECTION

DETAIL OF NEW NORTH ENTRANCE DOOR TO FIRST FLOOR - BUILDING #3
SCALE ¾"=1'-0"

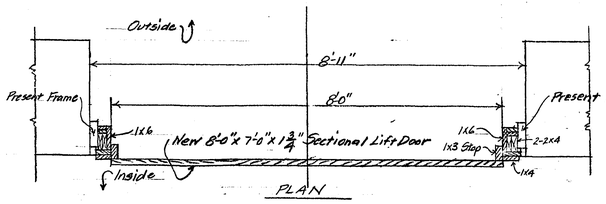


INSIDE ELEVATION



VERTICAL SECTION

NOTE:- ALL DATA ON THIS SHEET #7 APPLIES TO BUILDING #3 ONLY.



PLAN

DETAIL OF EAST ENTRANCE DOOR TO BASEMENT - BUILDING #3
SCALE ¾"=1'-0"

Specifications Covering Work to be Done on Building #3.

Note:- Contractor will make a thorough examination and be completely familiar with the building. It is a one(1) story and basement brick and stone building 80'-0" long and 40'-0" wide. See Plot Plan on Sheet #1 of Drawings. First floor is of wood and roof is of wood with an asphalt covering, pitched down slightly to the north. There is a metal gutter on the north eave of the roof, and brick parapet walls on the other three sides of the roof. Drawings do not include a plan of this building.

Repairs to Windows:-

West Side:- There are two (2) Stationary Basement Sash in bad shape. These will be completely repaired as to frames, sash, broken glass, putty etc. Scrape and paint two coats on frames and both sides of sash, color to match present color.
There are three (3) first story double hung windows in good shape. Check them over and make any necessary repairs, including hardware and paint frames and both sides of sash with one (1) coat, green to match present color.

North Side:- There are five (5) Stationary Basement sash in bad shape. Treat them same as basement sash on West Side.
There are four (4) first story double hung windows in good shape one of which is boarded up. Remove the boarded up construction on one window and treat them same as first story windows on West Side.

East Side:- There are two (2) stationary basement sash in bad shape. Treat them same as basement sash on west side.
There are three (3) first story double hung windows in good shape. Treat them same as first story windows on west side.

South Side:- There are six (6) stationary basement sash in bad shape. Treat them same as basement sash on west side.
There are five (5) first story double hung windows in good shape. Treat them same as first story windows on west side.

(Repairs to Windows)

Repairs to Doors:-

West Side:- None.

North Side:- There are two (2) single hinged basement doors in bad shape. They will be completely repaired as to frames, doors, hardware etc, replacing missing hardware as necessary. Scrape and paint frames and both sides of doors, two (2) coats, same color.
There is one large two leafed sliding door to first floor. Remove and discard doors and all present operating equipment and replace with construction detailed on this sheet. Present masonry opening is 16'-3⅛" wide and 9'-1" high. Close this opening as detailed and install one (1) 8'-0"x7'-0"x1¾" sectional lift door complete with springbalances, runners, hardware etc. Door to be Model #70 door as manufactured by the Raynor Manufacturing Co, Dixon, Illinois or equal approved by owner. Door to be of Toxic Treated Fir. Runners to be securely supported from roof rafters.
Leave present frame in place and make necessary repairs to it, then fill in opening as detailed. Provide 2-2x8 #1 Fir (Door) lintel as shown. Walls on each side and above door to be framed with 2x4 #1 Fir studs. On outside of studs apply 1" #2 Fir Sheathing, one (1) layer of SisalKraft Paper and then 1x6" #1 Fir Drop Siding. On inside of studs apply 1x6 #1 Fir Drop Siding direct to studs. Provide double 2x4 #1 Fir Plate at bottom of studs, bolted to floor and single 2x4 #1 Fir Plate at top of studs. All casings shown to be #1 Fir.
At bottom of door on inside, provide 1 metal encased felt astragal securely screwed to door, to provide perfect contact with floor.
Furnish three (3) Keys to Door.
Paint present frames, new frames, casings, both sides of new door, drop siding on both sides etc with 1 coat of undercoater followed by 1 finish coat of paint, green to match first story window sash.

East Side:- There is one (1) double hinged basement door which will be removed, discarded and replaced with new door equipment as detailed on this sheet. Leave present frame in place and fill in as detailed. Door will same as new 1st Floor north entrance door. (See above). Repair present frame. Furnish and install all hardware, extension spring balances etc., with 3 Keys. Note that there is only 3" Head Room above this door, therefore Kit will be supplied and installed for this condition. All mounting of overhead track will be of 1¼" Steel angles.
Paint same as specified above for North first story entrance door, except color will match present basement colors.

South Side:- There is one (1) single hinged basement door in bad shape. This will be completely repaired as to frame, doors hardware etc, replacing missing hardware as necessary. Scrape and paint frame and both sides of door, two (2) coats, color to match present basement colors.

(Repairs to and replacement of Doors. (See Note Below re Room in N.W. Corner of First Floor))

Cement Base:- At present there is a white cement base all around building, the top of which forms a water table. This base was originally applied to the stone basement walls. On the north side, large areas have fallen off. (also on the N.W. Corner) Check loose areas all around and remove same as necessary, then apply new cement base to match portions left in place. In applying new base, first apply 3.4# metal lath to stone, fastening same securely to stone with concrete staples then apply new cement base over metal lath. Mix of cement to be 1:3 but consult County Engineer re this before applying it. Spray with Cement Paint on entire Base.

Brick Work:- At present there are four old sheet metal fresh air intakes on the south side and four (4) on the north side. They are approximately 16" square. Remove these and brick up openings with one (1) thickness of brick (4), brick to match remainder of wall and flush therewith. These fresh air intakes are immediately above watertable. Brick to be laid up in Masonry Cement Mortar, mixed 1:3, Lone Star or equal approved.

Roofing and Sheet Metal:- At present there are four (4) large metal ventilators on roof which will be left in place. Check them over, repair all leaks therein and check and repair flashing around them. Equip each ventilator with standard bird screens. (See Note below)
Leave present roofing in place and cover it with new roofing as follows:- First apply one (1) layer of well lapped rosin paper on top of which apply two (2) layers of well lapped 15# tarred felt, these two layers to be well nailed down with large headed galvanized roofing nails. Then apply three (3) layers of well lapped 15# felt, solid mopped in. Then apply hot pitch to top surface and embed therein roofing gravel, 400# per square. Furnish 20 Year guarantee.
Install metal gravel-stop at north eave.
Remove, paint and reinstall present metal counter-flashing at juncture of roof and parapet wall.
Install two (2) pitch pockets at steel supporting angles on south parapet wall.
Remove and discard present gutter and downspout on north eave. Replace gutter with new 6"-24 Gauge G.I. Box Gutter suitable for pitch and gravel roof. Install two (2) new 4" G.I. Downspouts, one at each end of new gutter and run these into present cast iron pipes in ground, first cleaning out these pipes for satisfactory reception of roof water. Paint inside and outside of gutter and outside of new downspouts.

Cement Floor:- Remove and discard present steel floor plate under present north first floor entrance door. Over present wood first floor lay a 1½" thick cement floor as follows:- First put down 1 layer of Sisal kraft paper, lapping 6" and tacked to present wood floor. Then, over paper, lay 66-10/10 steel wire mesh securely stapled with long staples spaced 12" each way, holding mesh ⅜" above paper by means of ⅜"ϕ reinforcing steel rods, 2'-0" o.c. one way only, such rods to be directly on paper and under mesh. Then apply a 1½" thick cement mix, mix 1:3, carrying same out through north entrance door as shown, where present steel plate has been removed. Provide a smooth, troweled finish and, after setting, harden surface with Mersea or equal approved hardener. This floor will be applied over entire first floor, including room in N.W. Corner.

Note re Room in N.W. Corner of First Floor:- Partitions and the two (2) doors will be left in place. Cut off bottoms of doors to compensate for new cement floor. Check over doors and repair them as necessary, including hardware, frames etc. Paint frames and both sides of doors. Paint both sides of Partitions, two coats on present wood side boards, green to match windows.

Wood Painting:- Paint on items listed above will be Pittsburgh Sun Proof Paint or equal approved. On new work requiring two (2) coats, the first coat will be Pittsburgh Sun Proof Primer, and the second coat will be Pittsburgh Sun Proof House Paint or equal approved. No Painting will be done during periods when temperature is lower than 50° above zero.
On old items to be scraped and painted or on items merely requiring one new coat, see notes above as to colors.
On new 8'-0"x7'-0" garage doors, paint frames and doors the same color as present window frames and sash in first story. This will apply to entire new construction around north entrance door to first floor, and also to the two inside doors to the room in the N.W. Corner of first floor. Paint all present first story windows one (1) coat, inside and outside. Note re spraying cement base.

Plumbing and Heating:- None.

Electrical Work:- None.

Temporary Heat:- Contractor will furnish all heat necessary for comfort of his employees (and pouring of cement floor) by means of portable heaters.

Water and Power:- Owner will supply necessary water and electrical current free, but Contractor will make his own connections to nearest sources.

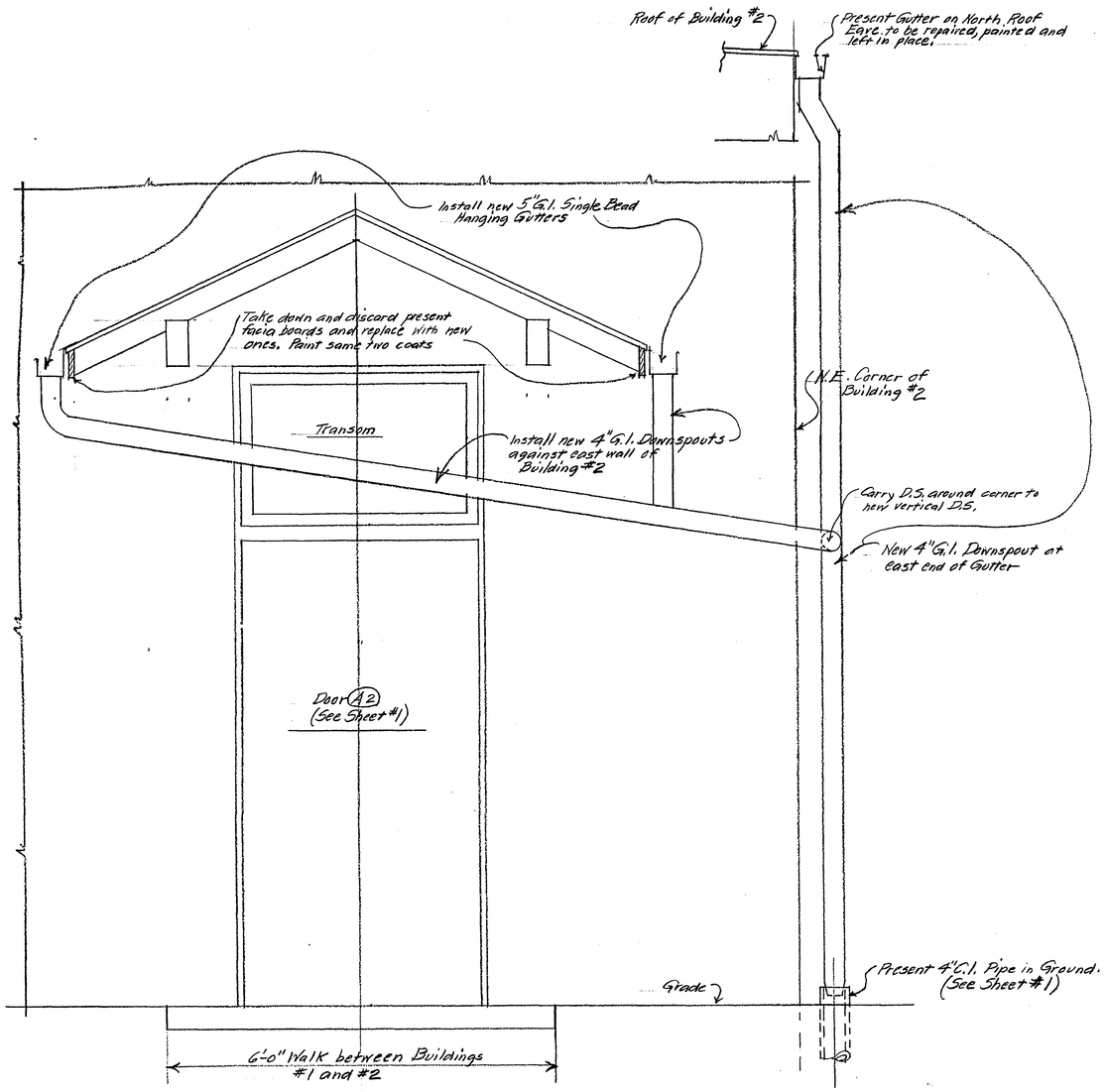
Additional Painting:- Paint First Story Posts and beams on top of posts one (1) coat green in color to match window sash. No paint on outside brick walls in Basement. Spray Paint outside stone enclosing walls with one coat of Dutch White Bondex or equal. Patch plaster ceiling and beams over posts and spray paint same with one coat of Dutch White Bondex or equal. All posts to be sanded (both wood and cast iron) and brush painted one coat green, matching present green paint.

Addition to Specifications:- Note that present pipe railing on west side of concrete ramp running up to North, First Floor entrance door and on top of adjacent area wall is badly damaged. Repair this railing completely, resetting posts, furnishing new fittings etc, Paint one (1) coat of black Ironhide paint.

Note:- There will be no work done inside of building in Basement, except painting of stone walls, posts, beams and plastered ceiling.

Note re Bird Screens:- These will be Chase Type 316, Stainless Steel, 18x18 Mesh or equal approved.

Sheet #7



SECTION OF SHED ROOF BETWEEN BUILDINGS #1 AND #2 SHOWING NEW GUTTERS, DOWNSPOUTS ETC. SECTION TAKEN LOOKING WEST. SCALE 1"=1'-0"

Specifications Covering Work to be done on Building #2

Note:- Contractor will make a thorough examination of building and be completely familiar with it. It is a one(1) story brick building with no basement, 22'-0" wide and 22'-6" long. See Plat Plan on Sheet #1 of Drawings. Floor is concrete and roof is pitch and gravel, flat and pitching down slightly to the north. There is a metal gutter on the north eave of the roof and brick parapet walls on the other three sides. See Floor Plan of this building on Sheet #1 of Drawings and note that there is a shed roof over the walk running from Door (A2) east to Building #1, this shed roof being 14'-0" long. See detail on this sheet, showing new gutters and downspouts.

Roofing and Sheet Metal:- Check over the present roof skylight as to leaks, broken glass, flashings etc and make all necessary repairs thereto, leaving skylight in place. Check, repair and paint all present flashings where roof is in contact with parapet walls. Replace one(1) vent stack flange with a new one.

Scrape off all present roofing gravel, leaving paper under same in place. Then solid mop on two layers of well lapped 15# tarred felt. Then mop on hot pitch and embed therein new roofing gravel at 400# per square. Repair present gutter on north eave and paint same inside and outside, leaving it in place. Install one(1) new 4" G.I. Downspout at east end of gutter running same down into present 4" C.I. soil pipe in ground at that location. Install new metal gravel stop at north eave.

Install, on each eave of the shed roof between Building #2 and Building #1, a 5" single bead G.I. Hanging Gutter with 4" G.I. Downspouts at west ends of new gutters. See Detail on this sheet showing these gutters and downspouts.

Repairs to Windows:-

North Side:- Repair as to frames, sash, putty, glass, etc. There are two(2) double hung sash windows on this side equipped with screen sash. Remove and discard present screen sash. Scrape and paint window frames and both sides of sash, two(2) coats. Color to be green, matching present color.

West Side:- There is one(1) double hung sash window. Treat it same as windows on North Side.

South Side:- There is one(1) double hung sash window in bad shape. Repair as to frame, sash, putty, glass etc. Replace wood sill with a new one. Discard present screen sash. Paint same as windows on north side.

(Repairs to Windows)

Repairs to Doors (See Plan on Sheet #1 of Drawings):-

Door (A2) on East Side:- Check over and repair as necessary, including hardware. Remove and discard screen sash over transom. Repair transom sash as necessary. Scrape entire frame, door etc. and paint frame and both sides of door two(2) coats. Where metal door covering is encountered, remove same and paint wood two(2) coats. Discard screen door. Color to be green, matching present color.

Door (C2) on West Side:- Treat same as Door (A2) on East Side.

Door (B2) on South Side:- Treat same as Door (A2) on East Side.

(Repairs to Doors)

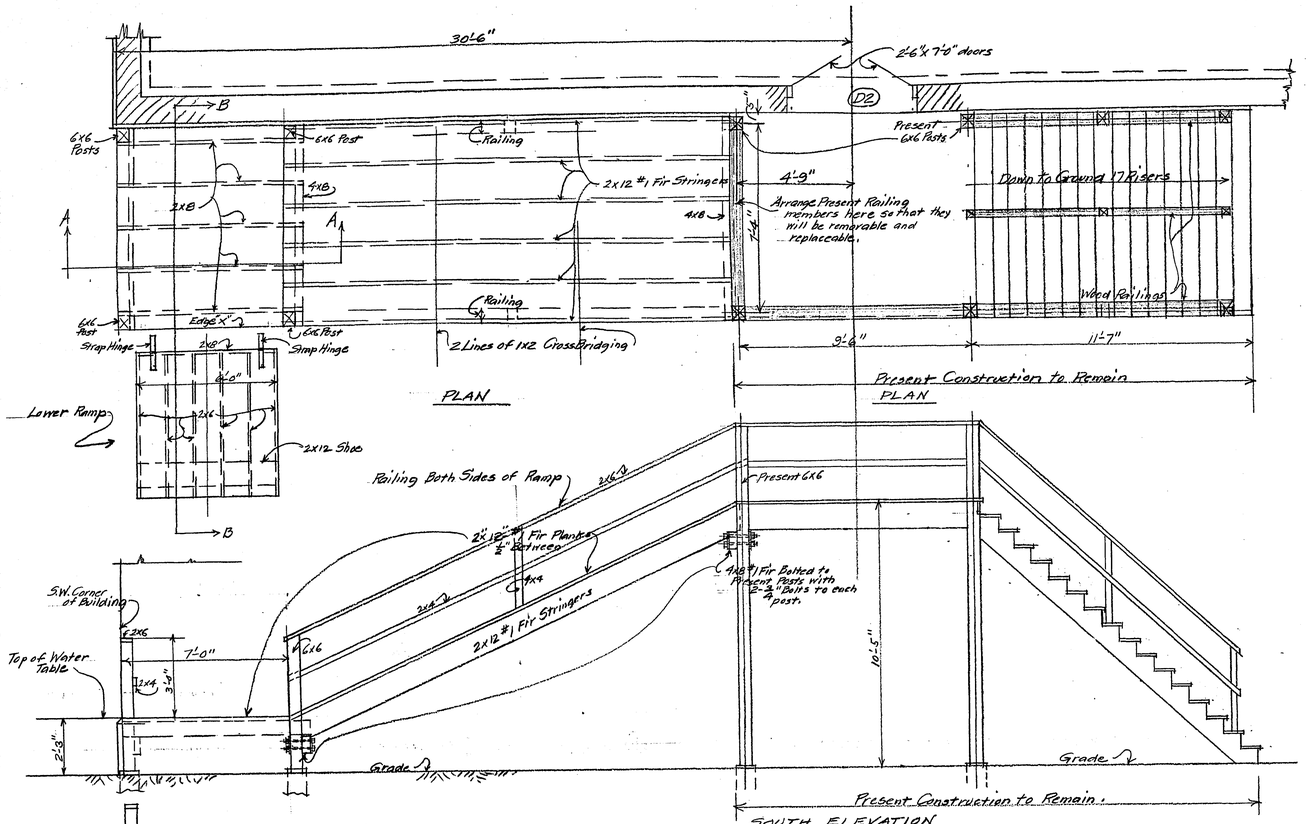
Inside Painting:- Door D2:- Check this door and make necessary repairs to it, then paint two coats of same color as original paint. Enclosing walls and Partitions:- These are glazed brick except for one closed up door opening which is plaster. Paint two(2) coats, color to be colonial buff from floor to ceiling. Ceiling and Skylight Enclosure:- These are plastered surfaces. Patch and paint two(2) coats, color to be colonial buff. Piping:- Paint all exposed piping to match walls and ceiling.

Type of Paint:- All paint for work specified above to be Pittsburgh or equal, suitable for the type of surface involved.

Plumbing and Heating:- None.

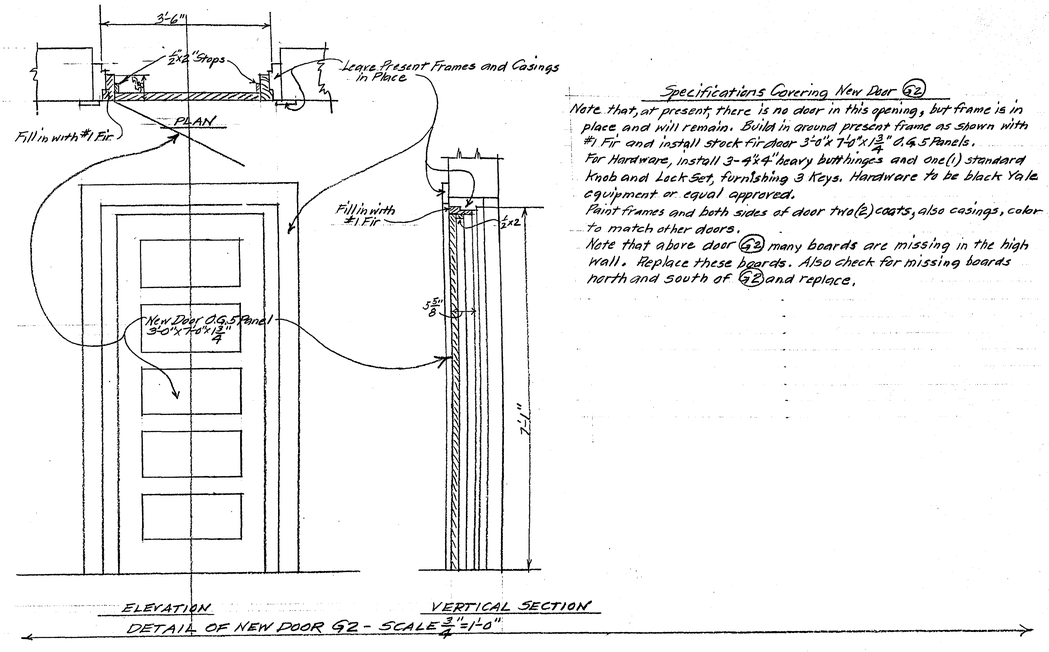
Electrical Work:- None.

NOTE:- SPECIFICATIONS AND DETAIL ON THIS SHEET APPLY TO BUILDING #2 ONLY.



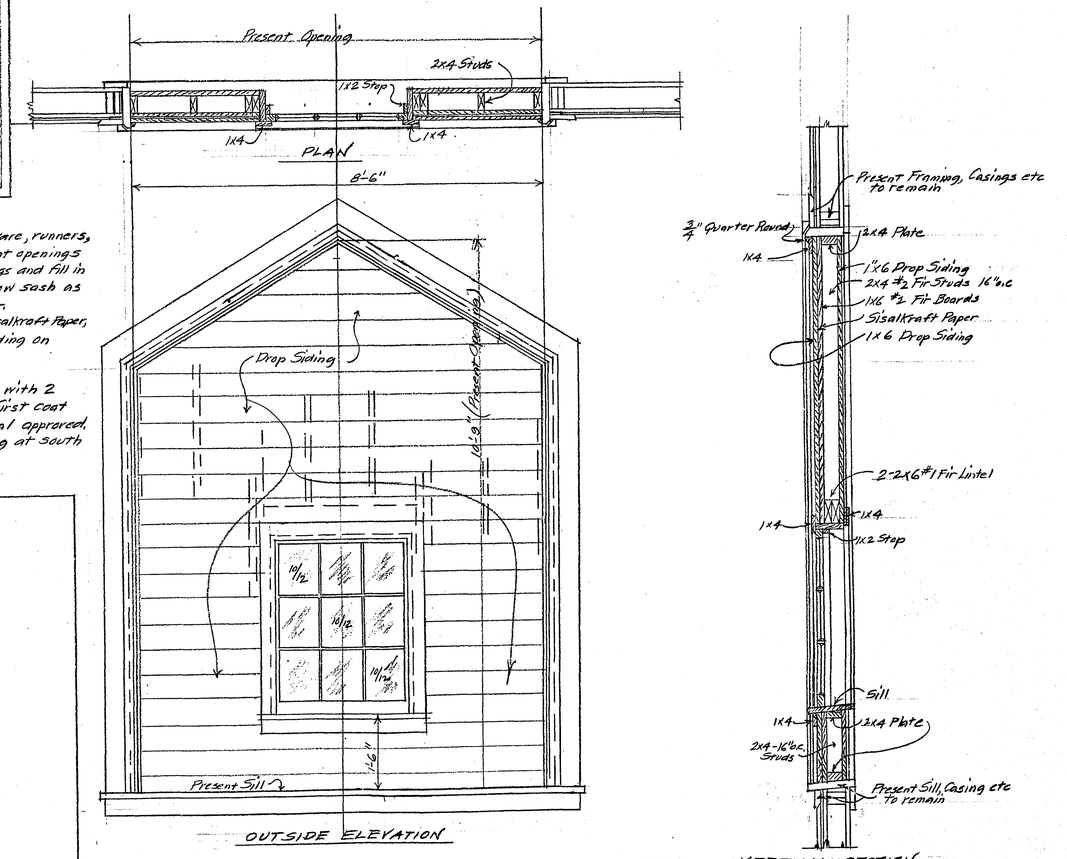
Specifications

Build New Ramp and Lower Landing Construction as shown, hooking same on Present Stairway Construction on South End only of Building #1. All lumber to be #1 Fir. Floor planks to have 1/2" spaces between them. Concrete Footings to be 1:3:5 mix. (4 thus) Dowel 4 Posts to Concrete Footings as shown. Paint entire construction 2 coats, color to be green matching present construction. Second coat on new construction to be carried over and applied to present stair and landing construction.



Specifications Covering New Door (G2)

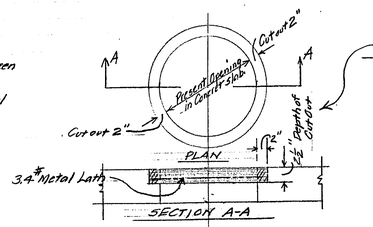
Note that, at present, there is no door in this opening, but frame is in place and will remain. Build in ground present frame as shown with #1 Fir and install stock fir door 3'-0"x 7'-0"x 1 3/4" O.G. 5 Panels. For Hardware, install 3-4 1/2" heavy butt hinges and one (1) standard knob and Lock Set, furnishing 3 Keys. Hardware to be black Yale equipment or equal approved. Paint frames and both sides of door two (2) coats, also casings, color to match other doors. Note that above door (G2) many boards are missing in the high wall. Replace these boards. Also check for missing boards north and south of (G2) and replace.



Specifications

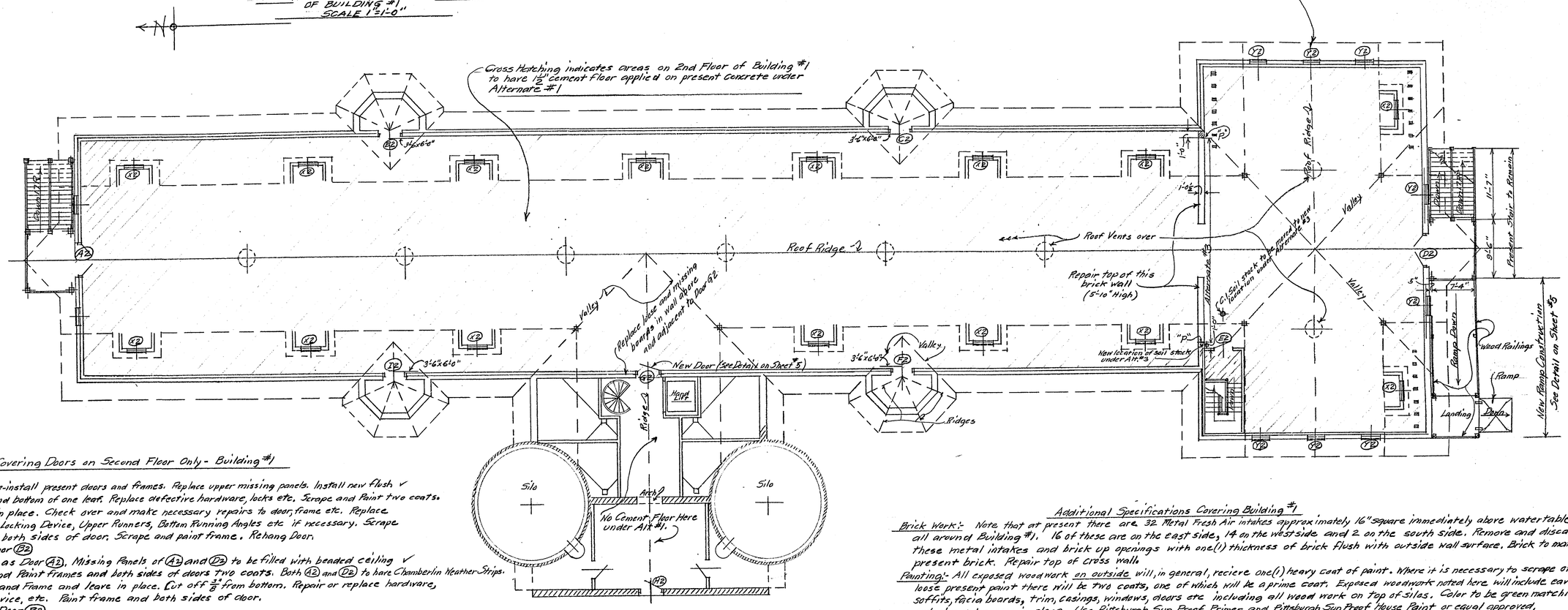
Remove and discard present doors, including all hardware, runners, fittings on projecting roof above, pipe railings etc so that openings will be clean and free. Repair present frames and casings and fill in openings as shown, installing one (1) stationary window sash as shown. Sash to be 6 light D.S.A. 10"x12" and 1 1/8" thick Fir. Fill opening as shown,- from outside 1x6 drop siding, on Sisalkraft Paper, on 1x6 #2 Fir Boards, on 2x4 #1 Fir Studs then 1x6 drop siding on inside. All present frames, casings etc to be left in place. Paint all Wood Work, including old frame and casings, with 2 coats Pittsburgh Sun Proof House Paint or equal, the first coat of which will be Pittsburgh Sun Proof Primer, or equal approved. Outside color to be green matching present drop siding at south entrance door. Inside color to be Dutch White.

Alternate #3:- Note present brick cross wall 5'-10" high, running east/west near Door (E2). Also note that the present 4" ϕ C.I. Soil Stack serving the first floor toilets comes through the second floor slab where shown just east of Door (E2), then angles over on top of cross wall and up through roof.
Contractor will submit an additional separate item in his proposal, based on the following operation:- Tear down and remove brick cross wall between points "P" (See Second Floor Plan of Building #1 on this sheet) from surface of second floor to top of wall. Patch floor will smooth cement grout. Patch vertical wall ends at Points "P". Move switch and fuse box west and install same in portion of cross wall which will be left in place adjacent to stair well.
Remove the 4" C.I. soil stack from its present location above second floor and re-direct it to its present outlet through the roof. This will involve running it along the ceiling of the toilet room below and thence over to its present roof outlet. Patch hole in second floor with concrete.



DETAIL SHOWING CLOSING OF HOLES IN 2ND FLOOR SLAB OF BUILDING #1
SCALE 1"=1'-0"

Note:- At present there are 16 circular openings in the 2nd floor concrete slab, ranging from 13" to 18" in diameter, which openings being closed with sheet metal. Remove sheet metal closures and cut out the concrete around the circles 2" wide and 2½" deep as shown. Lay 3.4# metal lath on the new supports to which apply a 2½" thickness of 1:2:4 mix concrete. All 16 openings to be treated thus.



SECOND FLOOR PLAN OF BUILDING #1 - SCALE 1/8"=1'-0"

Specifications Covering Doors on Second Floor Only - Building #1

Door (A2) - Rebuild and re-install present doors and frames. Replace upper missing panels. Install new flush belts at top and bottom of one leaf. Replace defective hardware, locks etc. Scrape and Paint two coats. ✓
Door (B2) - Leave Door in place. Check over and make necessary repairs to door, frame etc. Replace Hardware, locking Device, Upper Runners, Bottom Running Angles etc if necessary. Scrape and paint both sides of door. Scrape and paint frame. Rehang Door.
Door (C2) - Same as Door (B2)
Door (D2) - Treat same as Door (A2), Missing Panels of (A1 and D2) to be filled with beaded ceiling ✓ Scrape and Paint Frames and both sides of doors two coats. Both (A2 and D2) to have Chamberlin Weather Strips.
Door (E2) - Repair Door and Frame and leave in place. Cut off ¾" from bottom. Repair or replace hardware, locking device, etc. Paint frame and both sides of door.
Door (F2) - Same as Door (B2)
Door (G2) - At Present there is no door in this opening, but frame is in place for a 3'-6" x 7'-0" sliding door. Install a new fir O.G. 5 panel door here. See detail. ✓ Paint frame and both sides of new door. Detail is on Sheet #5.
Door (H2) - Leave Door in place as is. Paint frame and Both Sides of Door. Repair hardware as necessary.
Door (I2) - Same as Door (B2).

Note:- There is a 3'-0" wide x 11'-0" high opening covered by outside sliding doors above Door (A2) and also above Door (D2) (2 openings thus). Remove present doors and close up openings. See Detail on Sheet #5.

Specifications Covering Windows on Second Floor Only - Building #1.

Windows Marked (B2) - These are stationary sash windows with 3 lights glass 12"x18". They are to be completely repaired as to frames, sash, replacement of broken glass, putty, etc. Paint frames and both sides of sash. These are high dormer windows. Repair Dormer Structures as necessary.
Windows Marked (Y2) - These are high double hung sash windows, each sash having 6 lights glass 10"x14". They are to be completely repaired as to frames, sash, replacement of broken glass, putty etc. Paint frames and both sides of sash.

Note re Dormer Structures on Roof of Both Silos:- (Paint all woodwork on top of silos, including eave soffits, facia boards etc. Paint iron ladders on each silo, one coat black Iron hide.) Repair as necessary. Repair both doors and paint frames and both sides of doors. Repair hinges and nail doors securely closed. Replace facia boards where necessary. Carry out complete repairs and necessary replacements. Repair silo roofs and install new shingles where necessary.

Note:- On each side of Doors (A2) and (D2) there is at present a vertical cable box. Also on one side of these doors there is a vertical ladder. This equipment is on the inside and will be removed and discarded. Note that both (A2) and (B2) will have Chamberlin Weather Strips or equal approved.

Alternate #2 (Additional Painting):- In addition to painting as specified on drawings for Doors, Windows, New Construction, Outside Painting etc, contractor will submit an additional separate item to cover inside spray painting in Second Story of Building #1 as follows:- Spray paint (1 coat) the entire balloon structure from the second floor up, this to include the bottom of roof boards, roof rafters, vertical wood side walls and end brick enclosing and cross walls (5'-6" high) etc., so that nothing in this story will be left unpainted. Color from floor line up to first break in roof (13'-0") will be ivory and from that paint up to roof peak will be aluminum. Use Pittsburgh or equal approved paints of type suitable for this operation.
This spray painting will not be done in area adjacent to silos, west of Door (G2).

Note:- See Alternate #3 in upper left hand corner of this Sheet #4.

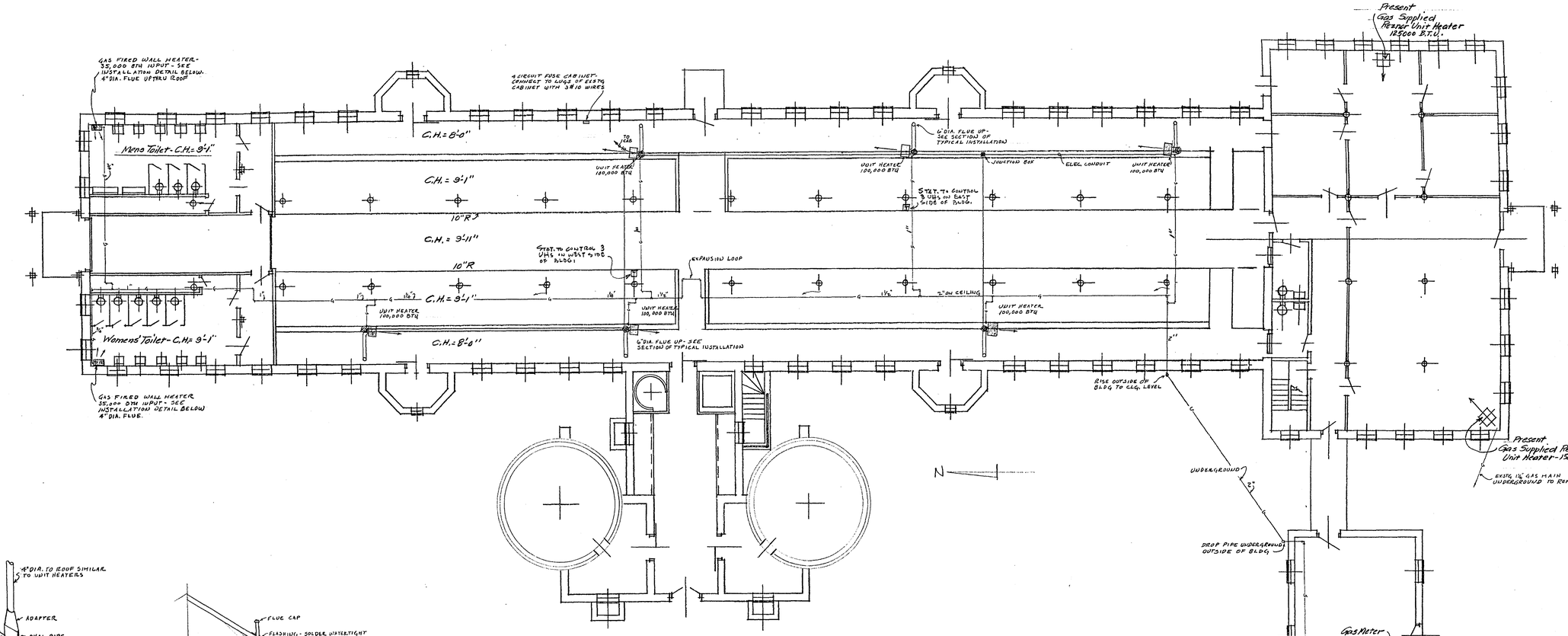
Additional Specifications Covering Building #1

Brick Work:- Note that at present there are 32 Metal Fresh Air intakes approximately 16" square immediately above watertable all around Building #1. 16 of these are on the east side, 14 on the west side and 2 on the south side. Remove and discard these metal intakes and brick up openings with one (1) thickness of brick flush with outside wall surface. Brick to match present brick. Repair top of cross wall.
Painting:- All exposed woodwork on outside will, in general, recieve one (1) heavy coat of paint. Where it is necessary to scrape off loose present paint there will be two coats, one of which will be a prime coat. Exposed woodwork noted here will include eave soffits, facia boards, trim, casings, windows, doors etc including all wood work on top of silos. Color to be green matching exterior color now in place. Use Pittsburgh Sun Proof Primer and Pittsburgh Sun Proof House Paint or equal approved.
Gutters on north and south ends, which will be repaired including downspouts, will be painted inside and outside, these to be left in place. Match color now on Gutters and Downspouts. Replace, repair and paint facia boards after side gutters have been removed.
See notes on Sheets #1 and #4 covering inside painting of doors and windows. In general colors on inside will match present colors. See note on Sheet #5 re painting of new ramp on south end. No painting to be done when temperature is lower than 50°.
A complete, finished job is required, even though some self evident items are not included here. See below under Stucco.
Stucco:- Note that present stucco on 1 North and 3 South gable ends is in bad shape. Patch and replace where necessary using 3.4# metal lath. After drying out, spray paint all stucco with standard cement paint, color to match present stucco color.
Roofing and Sheet Metal:- Remove and discard all gutters on east and west sides of building, including those adjacent to silos. Leave gutters and downspouts on ends of building in place and repair same. Replace, repair and paint facia boards.
There are 8 large metal roof ventilators on roof ridges. Repair all leaks in these ventilators, check and repair all flashings around ventilators and install standard bird screens on all of them. Paint flashings. See note below re bird screens.
See Note Below — In general the entire roof will require a complete check by contractor as to its present leaky condition and contractor will make necessary repairs to shingles including those on roofs of silos. Completely repair 4 eaves at bottoms of Stucco Gable ends, including shingles. Specifically, all present metal ridge roll will be removed and discarded, same to be replaced with new metal ridge roll of same design and extending 9" on each side over shingles. All metal valleys will be left in place but covered for full width of valley metal with 90" Mineral Surfaced Roofing Felt, after which replace shingles.
Heater vents (new) through roof to be roofed in properly.
Check over entire roof. Fasten down loose shingles and replace missing shingles. (Including Silo Roofs and 4 Hay Chute Projections)
Heating:- See Sheet #3 of Drawings and also Specifications for same. Heating on Ground Floor only.
Electrical Work:- None except that required for Unit Heaters. See Sheet #3 and separate Heating Specifications. Also See Alt. #3.
Plumbing Work:- See Alternate #3.

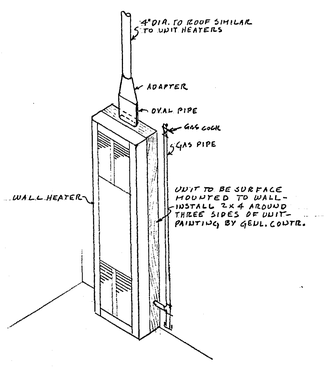
Alternate #1:- Contractor will, in his proposal, submit an additional amount to cover the laying of a 1½" thick cement floor on the present 2nd Floor concrete slab surface. The area involved is shown crosshatched on the Second Floor Plan, this sheet. First apply to present slab 66-10/10 welded wire mesh, fastening same to present slab with concrete staples 2'-0" o.c. two ways, arranging same so that mesh will be ½" above present concrete surface. Mix to be not leaner than 1:3 and applied to mesh outlined above. New surface to have a troweled finish and carried out through all door openings with a chamfered edge. Harden with Mersex Hardener or equal approved. Do not include area adjacent to Silos, west of Door G2. Note that if this Alternate is accepted, it will involve cutting off the bottoms of all doors and resetting of Door Floor Hardware in addition to work on these doors as specified and detailed elsewhere.

Note:- Bird Screens to be Chase Type 316, 18x18 Mesh, Stainless Steel or equal approved.

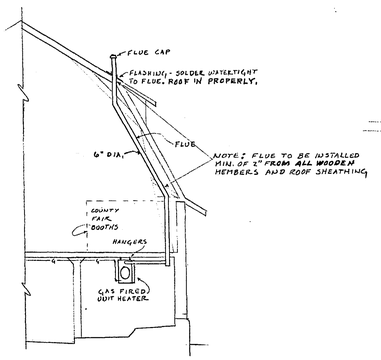
T-112



HEATING PLAN - BUILDING #1 - SCALE ⅛" = 1'-0"



TYPICAL WALL HEATER INSTALLATION DETAIL
NO SCALE



HALF SECTION SHOWING TYPICAL UNIT HEATER INSTALLATION
SCALE - ⅛" = 1'-0"

SPECIFICATIONS FOR HEATING IN FIRST STORY OF BUILDING #1

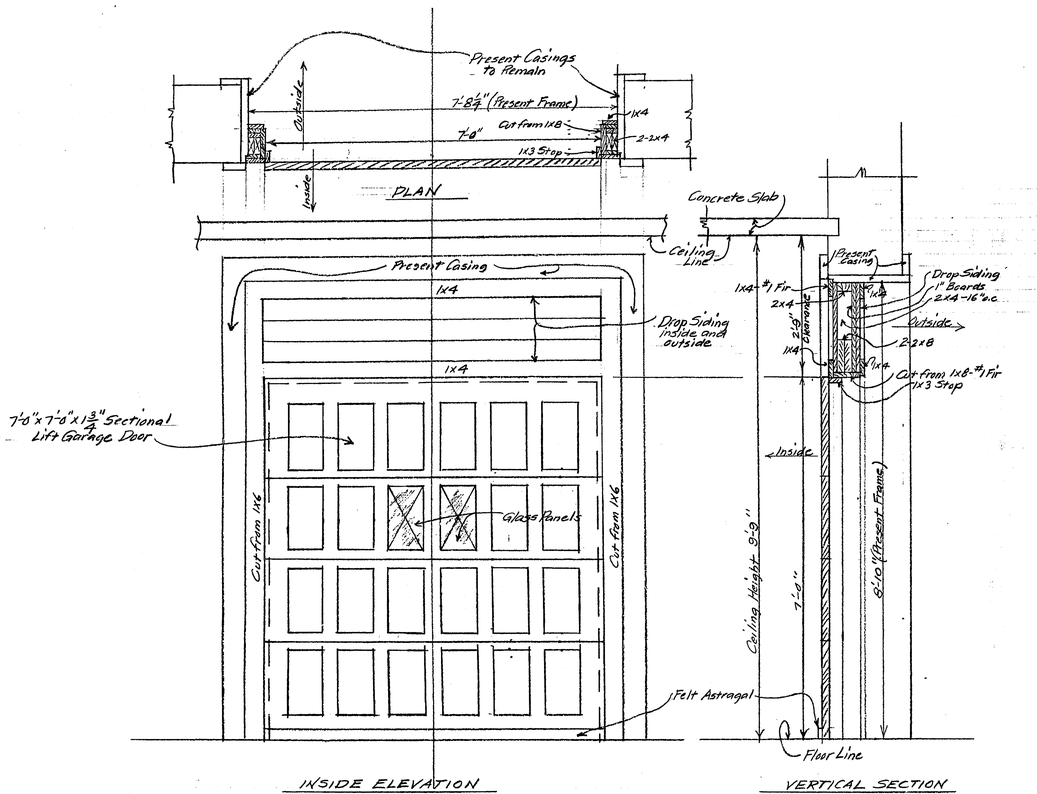
Gas Piping:- Black steel with malleable iron fittings, hung on 10'-0" centers. Install gas cocks at each Heater.

Smoke Flues:- Metalbestos double aluminum flue or approved equal

Unit Heaters:- Rezner #US 100F or approved equal, with a capacity of 100 000 B.T.U. per hour input, 1200 C.F.M., $\frac{1}{20}$ H.P., 110 V. single phase motors, complete with steel constructed combustion chamber and heat exchanger, draft diverter, gas burner, adjustable louvers, all switches, controls, valves, regulators etc. plus equipment necessary for standard operation. Furnish and install six(6) of these units where shown. Do all cutting and patching in connection with this work. Do all wiring in accordance with local codes. A low voltage thermostat shall operate an electric gas solenoid valve for each unit and the fan on each unit shall operate on a fan control switch. All wiring shall be in thin wall conduit. Provide transformers and relays.

Wall Heaters:- Furnish and install two(2) Temco #358-2N-U wall heaters, or approved equal, with a capacity of 35000 B.T.U. input per hour complete with pressure regulator, A-17 unitrol. Pilot, metal cabinet, draft hood, heat chamber, gas burner and all equipment necessary for standard operation will be furnished and installed. Install units in wooden frames as detailed on this sheet. No electrical connections are required.

Codes:- Installation of all Heaters shall comply with all local codes.



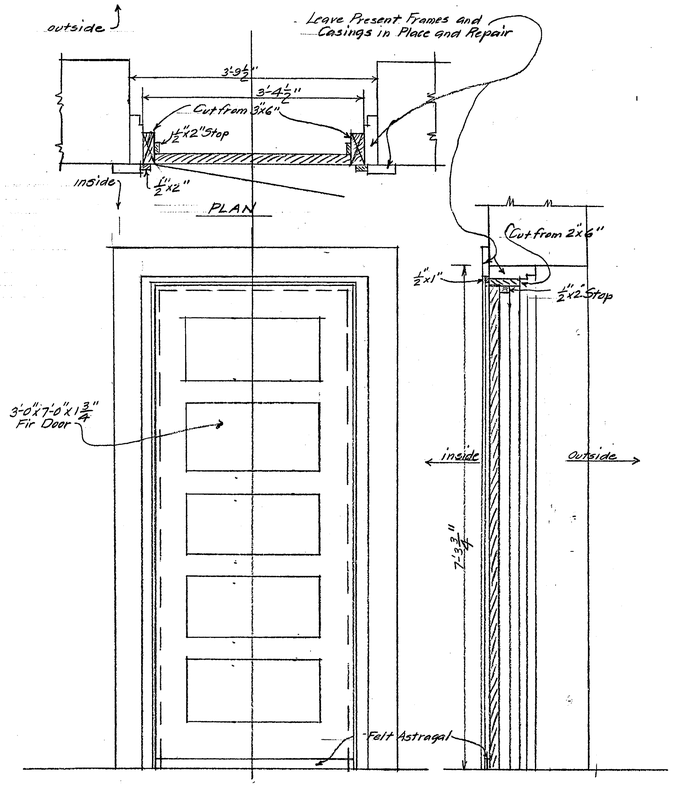
DETAIL OF NEW DOOR (A1) - SCALE 3/4"=1'-0"

Specifications Covering Door (A1)

At Present the opening is equipped with a large double hinged door. Remove and discard this equipment, leaving present frame in place. Fill in opening as detailed above and install one 7'-0"x7'-0"x1 3/4" Sectional Lift Garage Door complete with spring balances, runners, hardware etc. Door to be Model 70 toxic treated fir as manufactured by the Rayner Manufacturing Co. of Dixon, Illinois or equal approved by owner. Runners to be securely supported from concrete ceiling slab. At bottom of door on inside, provide one metal encased felt astragal securely screwed to door, for perfect contact with floor. Furnish 3 keys to Door.

Fill in opening around new door as shown. Install 2-2x8 #1 Fir Lintel on which will stand 2x4 #1 Fir Studs with 2x4 #1 Fir plate on top against present frame. On outside of studs apply 1" #2 Fir Boards, Sisalkraft Paper and 1x6 #1 Fir Drop Siding. On inside apply 1x6 #1 Fir Drop Siding direct to studs. All Casings, 1x3 Stops, etc to be #1 Fir.

Paint present frame and all exposed woodwork including door, new framing etc 2 coats, the first coat of which may be a prime coat. Use Pittsburgh Sun Proof Primer and Pittsburgh Sun Proof House Paint. Color to be green, matching color on Drop Siding on first story of South End of building.



DETAIL OF NEW DOOR (C1) - SCALE 1"=1'-0"

Specifications Covering Door (C1)

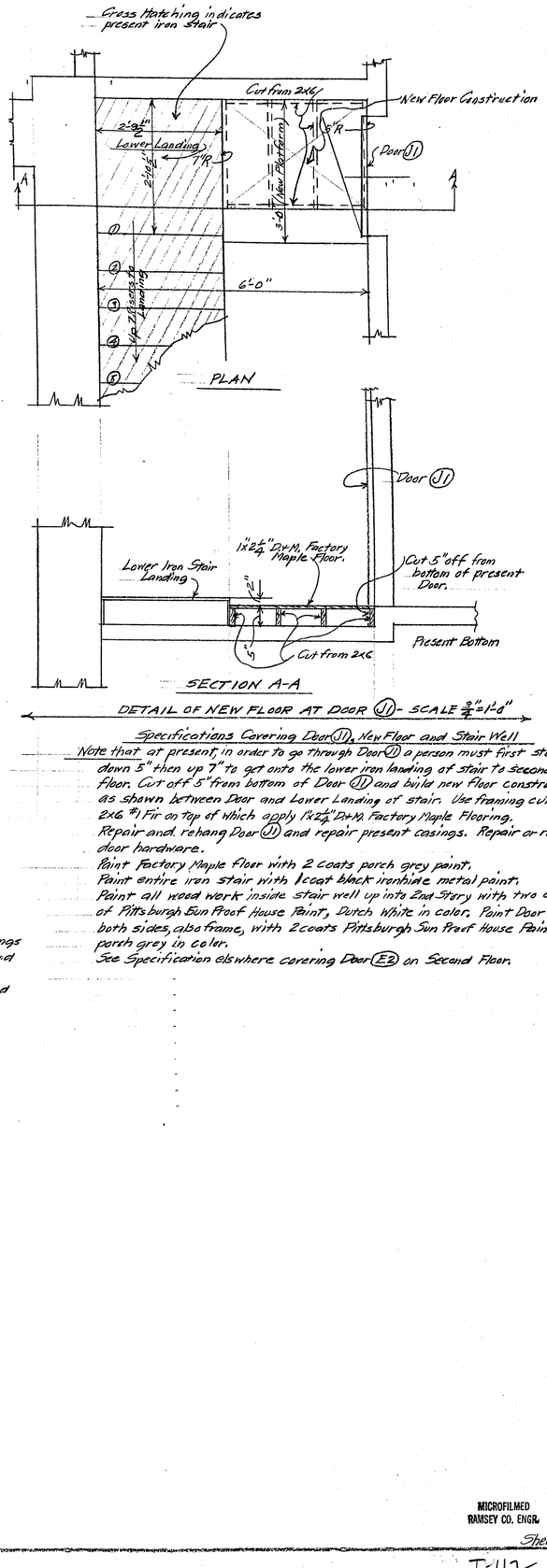
Remove and discard present sliding door including all equipment for same. Repair present frame and casings, leaving same in place. Install new frame, casings etc as shown, nailing same to present casings. Install one (1) 3'-0"x7'-0"x1 3/4" exterior type O.G. 5 Panel stock fir door as shown. Paint old frame, new frame and both sides of door, including casings same color as present door which will be removed. Use one coat of Pittsburgh Sun Proof primer and one coat of Pittsburgh Sun Proof House Paint or equal approved.

Hardware to be Yale or equal approved. Install 3-4"x4" heavy butt hinges and 1 knob and Lock set with 3 Keys. Hinges to be standard spring hinges. All hardware to be black.

Install metal encased felt astragal at bottom of door to prevent drafts, as shown.

Install Chamberlin or equal weather strips.

All new frames, casings etc to be #1 Fir.



DETAIL OF NEW FLOOR AT DOOR (J1) - SCALE 3/4"=1'-0"

Specifications Covering Door (J1), New Floor and Stair Well

Note that at present, in order to go through Door (J1) a person must first step down 5" then up 7" to get onto the lower iron landing of stair to second floor. Cut off 5" from bottom of Door (J1) and build new floor construction as shown between Door and Lower Landing of stair. Use framing cut from 2x6 #1 Fir on top of which apply 1"x2 1/4" D+M Factory Maple Flooring.

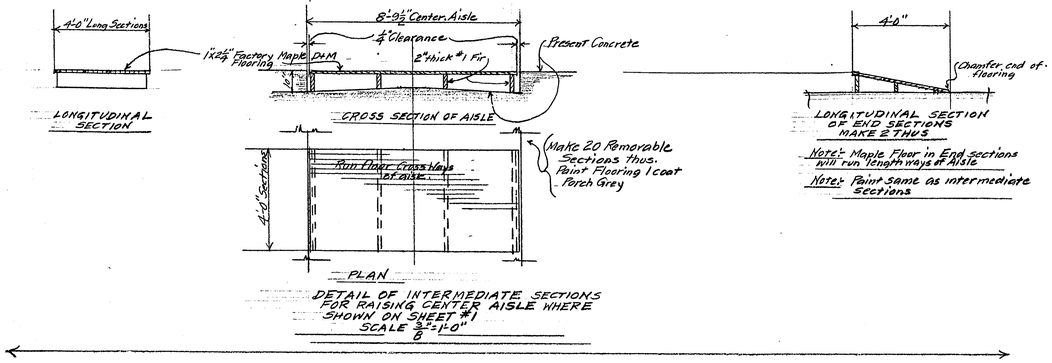
Repair and rehang Door (J1) and repair present casings. Repair or replace door hardware.

Paint Factory Maple Floor with 2 coats porch grey paint.

Paint entire iron stair with 1 coat black ironhide metal paint.

Paint all wood work inside stair well up into 2nd Story with two coats of Pittsburgh Sun Proof House Paint, Dutch White in color. Paint Door on both sides, also frame, with 2 coats Pittsburgh Sun Proof House Paint, porch grey in color.

See Specification elsewhere covering Door (E2) on Second Floor.

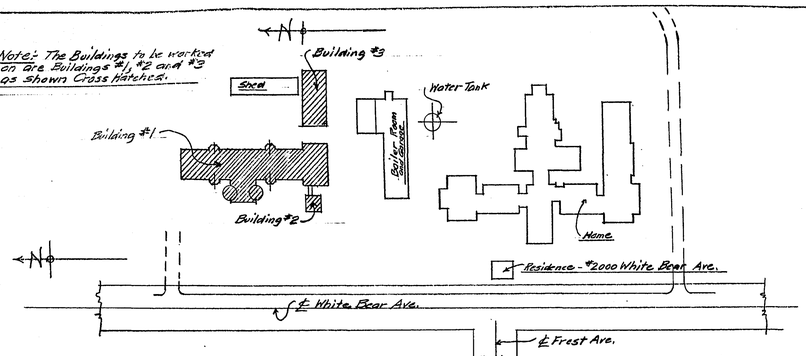


Note: Maple Floor in End sections will run length ways of Aisle

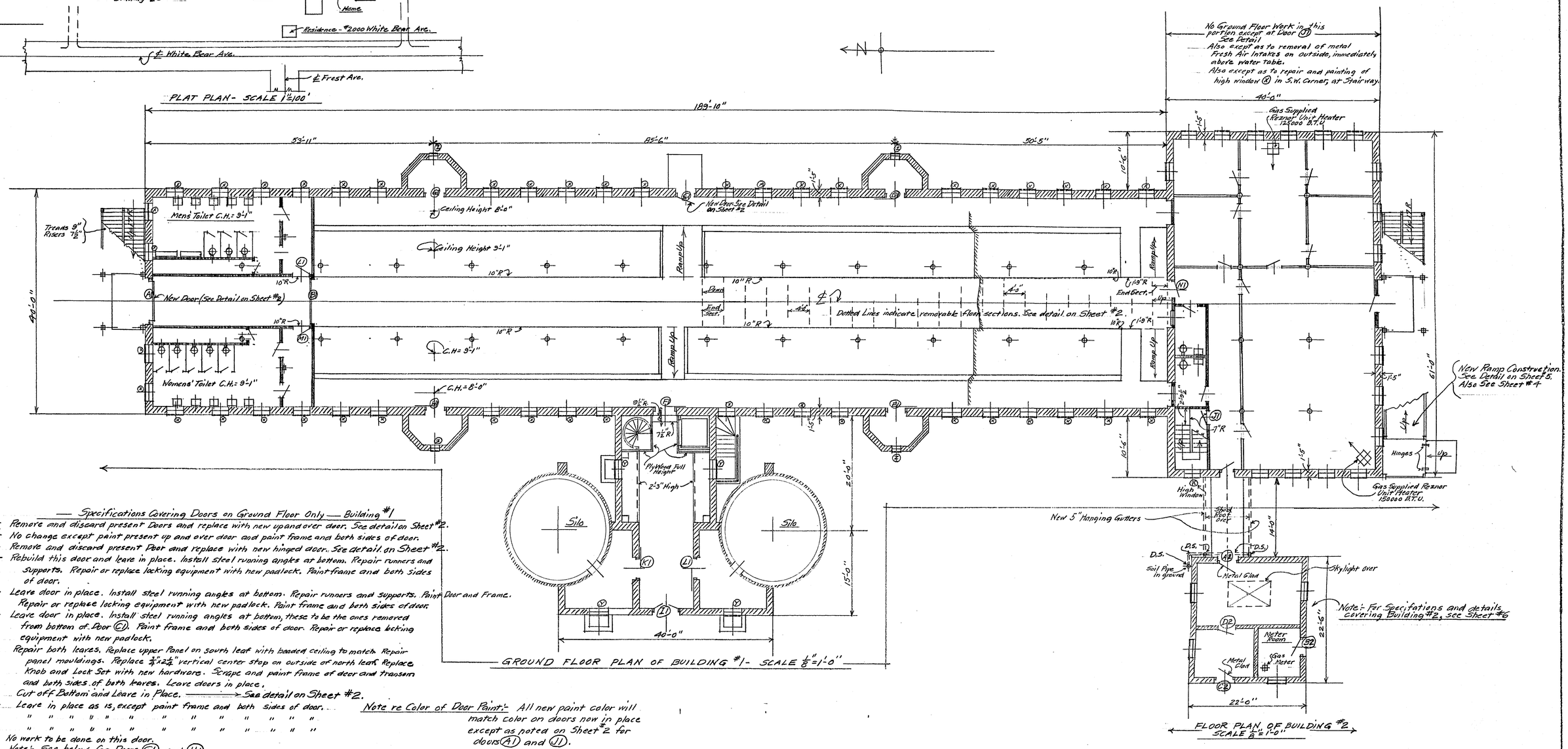
Note: Paint same as intermediate Sections

DETAIL OF INTERMEDIATE SECTIONS FOR RAISING CENTER AISLE WHERE SHOWN ON SHEET #1 SCALE 3/4"=1'-0"

Note:- The Buildings to be worked on are Buildings #1, #2 and #3 as shown Cross Hatched.



PLAT PLAN - SCALE 1½=100'



GROUND FLOOR PLAN OF BUILDING #1 - SCALE ⅛"=1'-0"

FLOOR PLAN OF BUILDING #2 SCALE ⅛"=1'-0"

Note:- There is no plan of Building #3. See Specifications and Details on Sheet #7.

Specifications Covering Doors on Ground Floor Only — Building #1

- ✓ Door (A1) - Remove and discard present Doors and replace with new up and over door. See detail on Sheet #2.
- Door (B1) - No change except paint present up and over door and paint frame and both sides of door.
- ✓ Door (C1) - Remove and discard present Door and replace with new hinged door. See detail on Sheet #2.
- Door (D1) - Rebuild this door and leave in place. Install steel running angles at bottom. Repair runners and supports. Repair or replace locking equipment with new padlock. Paint frame and both sides of door.
- Door (E1) - Leave door in place. Install steel running angles at bottom. Repair runners and supports. Paint Door and Frame. Repair or replace locking equipment with new padlock. Paint frame and both sides of door.
- Door (F1) - Leave door in place. Install steel running angles at bottom, these to be the ones removed from bottom of Door (C1). Paint frame and both sides of door. Repair or replace locking equipment with new padlock.
- Door (I1) - Repair both leaves. Replace upper Panel on south leaf with beaded ceiling to match. Repair panel mouldings. Replace ¾"x2¾" vertical center stop on outside of north leaf. Replace Knob and Lock Set with new hardware. Scrape and paint frame of door and transom and both sides of both leaves. Leave doors in place.
- ✓ Door (J1) - Cut off Bottom and Leave in Place. → See detail on Sheet #2.
- Door (K1) - Leave in place as is, except paint frame and both sides of door.
- Door (L1) - " " " " " " " " " " " " "
- Door (M1) - " " " " " " " " " " " " "
- Door (N1) - No work to be done on this door.

Note:- See below for Doors (G1) and (H1).

Note re Color of Door Paint:- All new paint color will match color on doors now in place except as noted on Sheet #2 for doors (A1) and (J1).

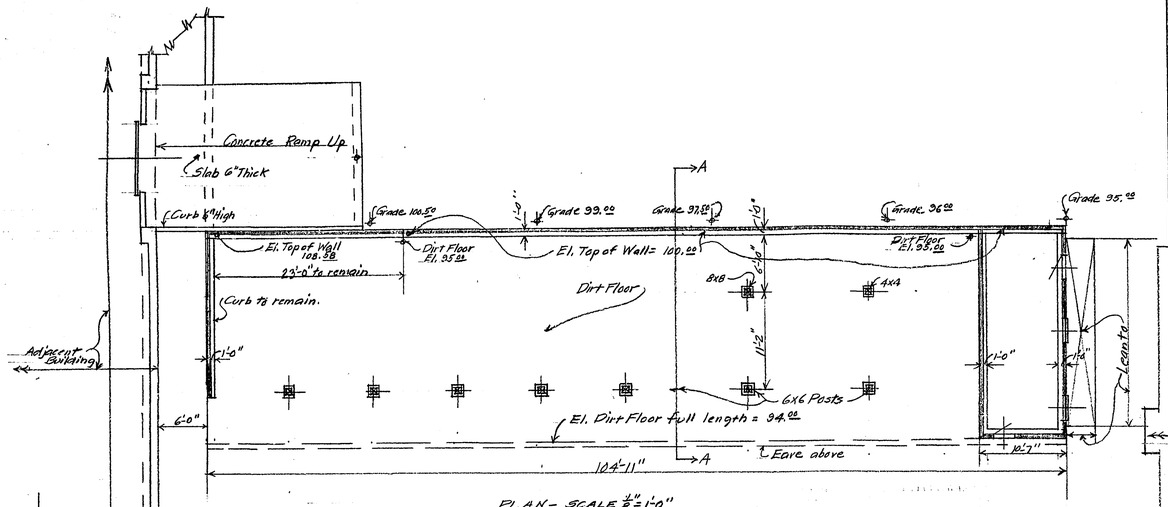
Specifications Covering Windows on Ground Story Only — Building #1

- Windows Marked (X) - These are double sashed stationary. They will be completely repaired as to glass where broken, putty, frames etc. Sash will be scraped and painted both sides; to do this it will be necessary to remove inside stops, take in the inside Sash, paint, repair and then reinstall the inside sash and stops. They are 6 light windows with 10"x12" lights.
- Windows Marked (Y) - These are double hung windows, each sash having 3-10"x18" lights (6 lights in all). Scrape, repair, putty, replace necessary glass and paint both sides, including storm sash.
- Windows Marked (Z) - These are double sashed stationary with 3 lights 10"x12". Treat them same as windows (X).
- Area Windows below Windows (Y) - These are double hung, same as (Y). Treat them same as (Y).

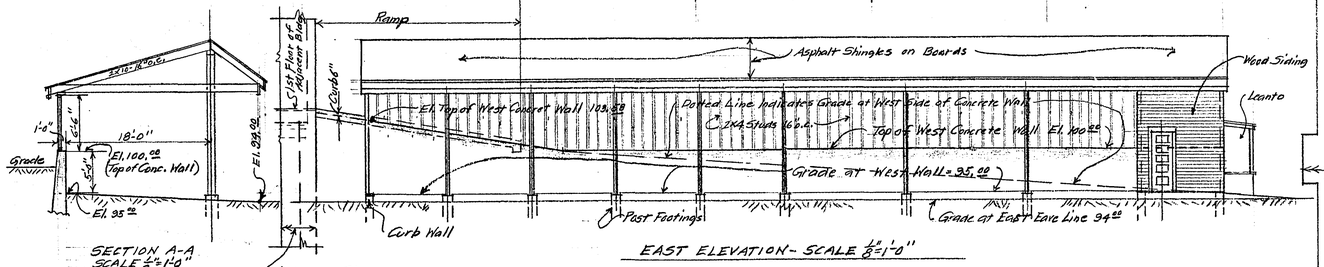
Note:- In painting of Window Sash, include frames, etc. Before replacing inside sash of stationary windows, wash inside surface of glass between sash. Paint to be Pittsburgh Sun Proof Paint or Equal. One Coat on old painted surfaces. Prime Coat and one Finish Coat on new wood work. Color to match present old paint.

Door (G1):- Treat same as Door (E1)
Door (H1):- Treat same as Door (E1)

Note:- For Specifications and details covering Building #2, see Sheet #6

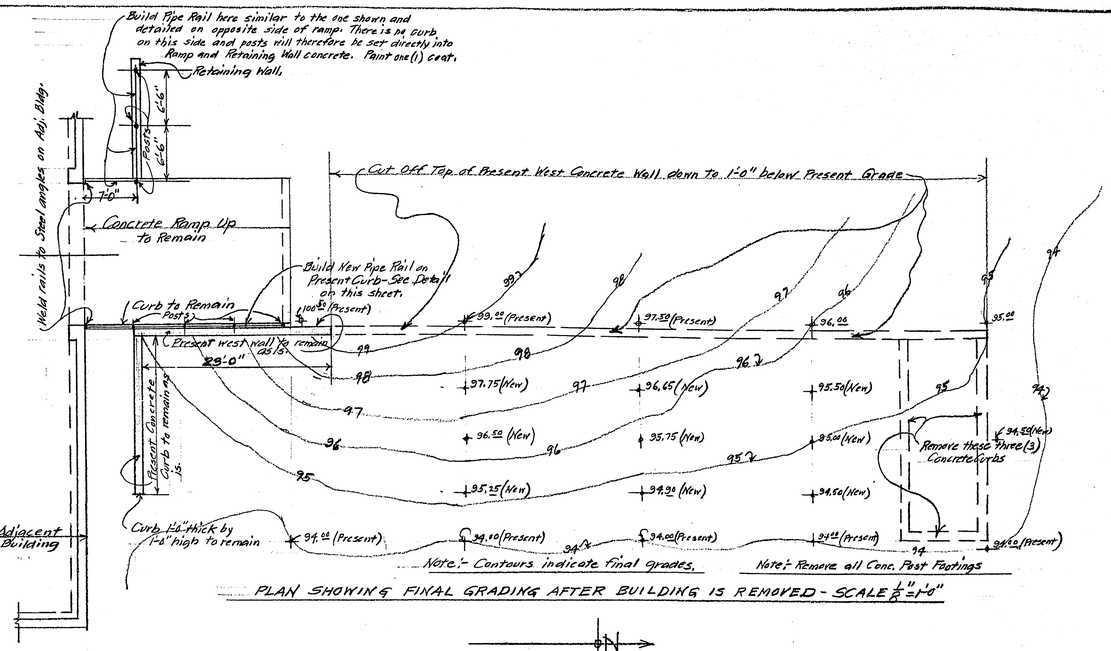


PLAN - SCALE $\frac{1}{8}$"=1'-0"

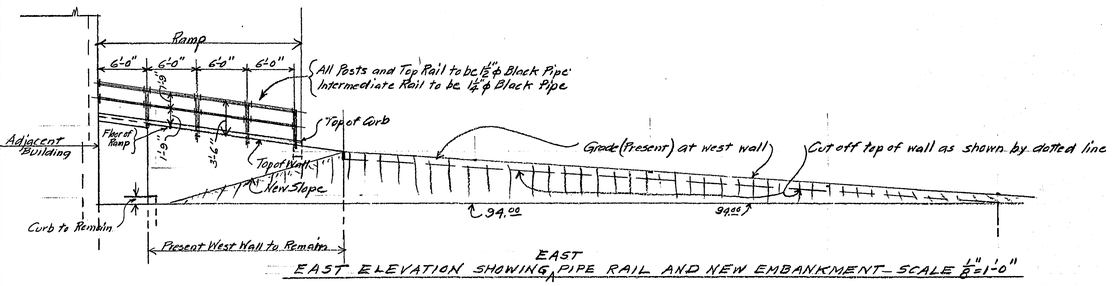


SECTION A-A
SCALE $\frac{1}{8}$"=1'-0"

EAST ELEVATION - SCALE $\frac{1}{8}$"=1'-0"



PLAN SHOWING FINAL GRADING AFTER BUILDING IS REMOVED - SCALE $\frac{1}{8}$"=1'-0"



EAST ELEVATION SHOWING PIPE RAIL AND NEW EMBANKMENT - SCALE $\frac{1}{8}$"=1'-0"

PRESENT SITUATION

PROPOSED FUTURE SITUATION

Specifications

Work to be Done:- Tear down and remove from site the entire frame structure. Cut down top of west retaining wall. Remove curbs noted, also post footings. Build new pipe railings. Fill with dirt as shown and sod new earth surfaces. Contractor will be completely familiar with the entire situation.

Building and Location:- The Building involved is the old frame machine shed, open on the east side. It is located immediately north of the old horse barn at the Ramsey County Home Property, known as #2020 White Bear Ave.

Owner and Supervisor:- The Owner is the County of Ramsey, by the Board of County Commissioners and the property is under lease to the County Fair Board. All work will be supervised by the County Engineer.

Insurance, Permits etc:- Contractor will carry all types of insurance necessary to save the Owner harmless in case of lawsuits resulting from accidents to Contractors employees or to the General Public, such accidents resulting from Contractors operations on this work. Contractor will cover all his activities with all necessary permits obtained from the Building Inspector of the Village of Maplewood.

Wrecking of Wood Construction:- Tear down and remove from site all lumber, siding, boards, roofing etc., or otherwise demolish and remove same. All salvage will become the property of the Contractor. Remove all concrete post footings and concrete curbs which will not be covered by final fill.

Cutting Down of Walls:- Cut down top of west retaining wall to 1'-0" below final grade. See details on this sheet. South 23'-0" of west retaining wall will be left in place as it is together with concrete curb under present south wall. Debris may be left and covered over by final fill.

Filling:- After top of west concrete wall is cut down (north of south 23'-0"), contractor will haul in dirt fill and grade site to levels shown by contours on plan. Top surface of fill to consist of 2" of black dirt.

Sodding:- Allow fill to settle for a reasonable length of time, then thoroughly wet down the black dirt surface and place grass sod thereon, rolling same with a heavy sod roller. Use 340 Sq. Yards of Sod.

Pipe Railing:- Build pipe railing on present concrete curb as shown, first removing present short railing now in place. Pipe to be standard weight black iron pipe of sizes shown. Drill holes in curb to a depth of 8" for 4 posts, insert posts in holes and grout in solidly. Either use standard connections or use welded connections. Weld south ends of the two railings to the present corner steel angle on the adjacent building.

Painting:- After erection of pipe railing, paint same with one(1) coat of black Pittsburgh Ironside Paint.

Date of Completion:- All work covered by this plan and specification will be completed not later than June 1, 1957.

Additional Note re Pipe Railing:- The pipe railing specified above covers the one to be erected on the east edge of the concrete ramp, over the existing curb at that point. In addition to this, another similar railing will be erected 7'-0" long on west edge of ramp, thence 13'-0" westerly on top of the retaining wall there. See plan on this sheet.

PLANS, SPECIFICATIONS AND DETAILS
COVERING
REMOVAL OF MACHINE SHED AND INCIDENTAL
WORK IN CONNECTION THEREWITH ON
PROPERTY LEASED FROM RAMSEY COUNTY
BY THE RAMSEY COUNTY FAIR BOARD
LOCATED AT #2020 WHITE BEAR AVE.
RAMSEY COUNTY, MINN.
SCALES NOTED FEB. 1957
OFFICE OF COUNTY ENGINEER.
Henry L. Bruenner
County Engineer, Del.

General Note

Instructions to Contractor:- Before submitting his proposal, contractor will make a complete examination of the buildings involved. See Plat Plan on Sheet #1 of drawings and note that the buildings are designated as Buildings #1, #2 and #3. They are located on Property occupied by the Ramsey County Home at #2000 White Bear Ave. Obtain keys from Mr. Roger Conklin, County Agricultural Agent, whose office is in Building #1. The intent of Plans and Specifications is to completely repair and rehabilitate these three buildings within the limits provided, including the heating of the first story of Building #1, and take care of them all under one contract. A complete, finished job is required and any errors or omissions in plans and specifications will not excuse contractor from doing work which should be done from a self evident stand-point. On completion and approval by County Engineer, Contractor will leave the buildings broom clean, clean up the premises and haul away all debris and discarded material.

Owner:- The owner is the County of Ramsey as represented by the Board of County Commissioners, which has the buildings under lease to the County Fair Board. The County Engineer will directly supervise the work and make all decisions regarding questions which may arise during contractors operations.

Permit:- Contractor will obtain necessary building permit from the Building Inspector of New Canada Township, who is Mr. Oscar Londin, #365 County Road "B". His telephone number is PR 4-2116.

Insurance:- Contractor will carry all types of insurance necessary to hold Ramsey County harmless in case of accidents to Contractors employees or to the public, such accidents being caused by operations of contractor on this job.

Drawings and Specifications:- There are seven (7) sheets of drawings and specific specifications are included directly on drawings as follows;

Sheets #1, #2, #3, #4 and #5 cover work to be done on Building #1. (Sheet #3 covers Heating in Building #1)
Sheet #6 covers work to be done on Building #2.
Sheet #7 covers work to be done on Building #3.
See specific details on all of these sheets together with specifications and notes on each sheet.

Painting:- In addition to specifications on drawings covering this item, note that no painting will be done when temperature is lower than 50°.

Cement Floors:- No cement Floors as covered by Alternate #1 for 2nd floor of Building #1 or the cement floor required on the 1st Floor of Building #3 will be laid if temperature is lower than 50°.

Temporary Heat:- Any temporary heat required for any purpose by contractor will be furnished by contractor at his own expense; this to include all heat required by Contractor up to the time the completed job is accepted by Owner.

Electric Current and Water:- These items as required by Contractor incident to his operations will be furnished by Owner free of charge, but Contractor will ascertain the nearest available source on the property and make all necessary connections.

Temporary Toilet:- Contractor will furnish a temporary, removable toilet for the benefit of his employees over a pit 6'-0" deep at a location on the site to be selected at the proper time by the County Engineer. On completion of the work, contractor will remove this toilet and fill up the pit.

Progress of Work:- Contractor will start work immediately after award of contract and vigorously carry it to conclusion as fast as reasonably possible. The only items which may cause delay, due to limits in temperature, are the cement floor in Building #3, the cement floor in Building #1 (Alternate #1) and the painting. However, these specific items must be completed not later than June 1, 1957.

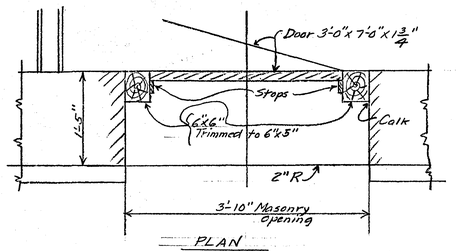
Alternates:- Note Alternates #1, #2 and #3 on Sheet #4. All of these will be additions.

PLANS, DETAILS AND SPECIFICATIONS
COVERING
PROPOSED REPAIR AND REMODELLING WORK
TO BE DONE ON
THREE BUILDINGS AT #2000 WHITE BEAR AVE.
RAMSEY COUNTY, MINN.
OFFICE OF COUNTY ENGINEER
SCALES NOTED DECEMBER 1956
Harry S. Bronson
County Engineer, Del.

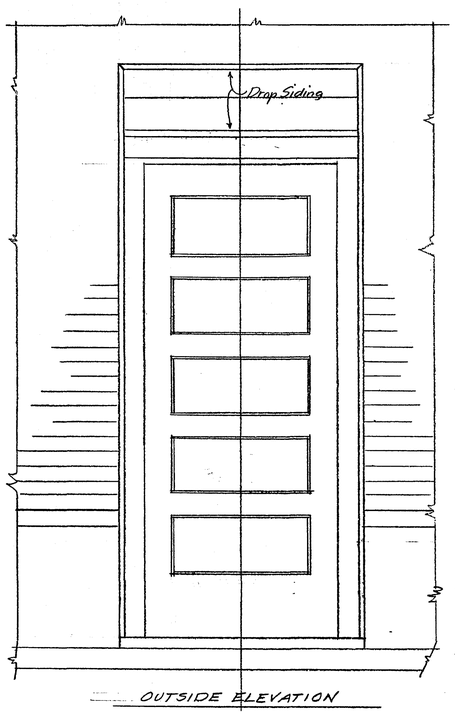
I hereby certify that this plan was prepared by me and that I am a duly Registered Prof. Engineer under the laws of the State of Minnesota
Harry S. Bronson
Date 12/9/56 Reg. No. 818

Cover Sheet

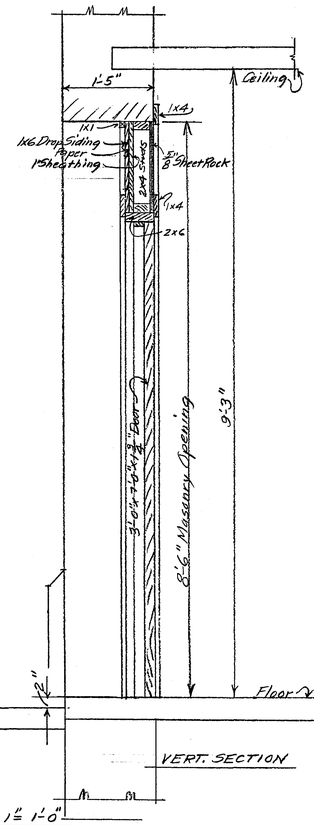
T-112



PLAN



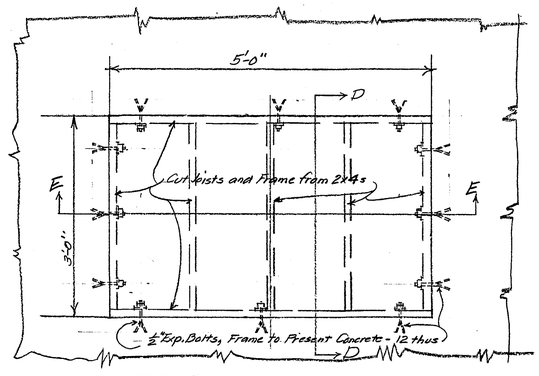
OUTSIDE ELEVATION



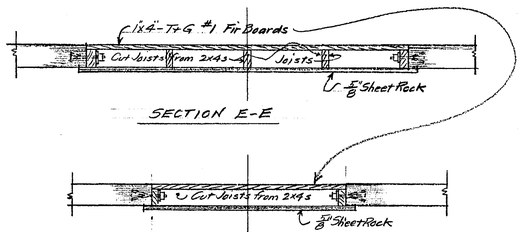
VERT. SECTION

DETAIL OF DOOR #1 — SCALE 1"= 1'-0"

Note:- Present Door, Transom, Frame, Casings etc. to be removed and discarded, leaving Masonry Opening bare. Then install new Construction as detailed above for Door #1



PLAN



SECTION E-E

SECTION D-D

DETAIL SHOWING METHOD OF CLOSING PRESENT 5'-0"X 5'-0" CEILING OPENING
SCALE 1"=1'-0"

Note:- Remove and Discard the present steel hatch doors and frame from this opening and replace with construction shown above.

Note:- In Addition to Ceiling Opening shown above and covered by Par. 6 of Specifications, there are four (4) 10" diameter circular vent openings in ceiling covered at ceiling line with wire mesh. These will be closed by plastering with Vermiculite Plaster, using present mesh as a plaster base.

ADDITIONAL SPECIFICATIONS

11- All work including General Construction, Plumbing, Heating and Electrical Work will be done under one Contract. Contractor and Sub-Contractors will thoroughly examine Building to familiarize themselves with the situation before starting work. Key to Building may be obtained from Mr. Anton Wicklander, who is the Engineer in the Main Home Building.

ALTERNATES

Alternate #1- Contractor will quote a deduction from total bid, based on the Elimination of the Asphalt Tile Floor Covering.

Alternate #2- Contractor will quote a deduction from total bid, based on the Elimination of all Painting.

Alternate #3- Contractor will quote a deduction from total bid, based on the Elimination of Electric Light Fixtures.

Note re Outside Windows:- At present there are 17 Windows in Outside Wall, each of which are equipped with 2 fixed glazed window sash with a dead air space between. All inside Sash will be removed and refitted for Hinged Sash, present inside Stops removed. On each inside window install 2-3"Loose Pin Butt Hinges No. B50BW 289 on Hinge Side and, on opposite side, 1 Casement Fastener No. B5080 5910. This will Convert present fixed inside Sash to Hinged Sash, Swinging in.

All present Outside Sash will be removed and refitted so as to become operative Storm Sash with present outside stops removed. At top of each, install 2 Sash Hangers No B5-1117 J and on inside at sides 2 Storm Sash Fasteners No. B5-60.

Screen Sash.- Furnish 17 new screen sash 1⅛" thick of same size as storm sash. At top of each, install 2 Sash Hangers No. B5-1717 J and, at sides 6" from bottom, 2-2" Door Buttons No B5-SC4K. Present Stops between Sash to remain in place. See F.O.K. Catalogue. All to be painted as specified under Painting.

SPECIFICATIONS

1- Proposed Work:- It is proposed to install offices, toilets, heating, plumbing and electrical work on the ground floor of the South End of the former Horse Barn at the Ramsey County Home, located at #2000 White Bear Ave. in Ramsey County, Minn. See Location Plan on Sheet #2 of Drawings. Contractor will thoroughly examine building.

2- Floor:- See Drawings especially Sheet #1. The clear Ceiling Height at the Outside Walls is 9'-3" between Top of Present Concrete Floor and Bottom of Concrete Flat Slab Ceiling. However, Floor pitches down to two (2) Floor Drains approximately 4". See Sheet #1 of Drawings. Floor will be made level by depositing on present slab a cement grout, 1:3 mix, starting at walls and grout will become thicker as it approaches the Floor Drains and will cover Floor Drains. This will cause clear ceiling height of 9'-3" throughout the total area. Surface of grout will be Steel Trowelled.

3- Lumber, Sheet Rock etc.:- See Sheet #1 of Drawings for High and Low Partitions, also Sheets #2 and #3 for Details.

(a) High Partitions are those surrounding Toilet Rooms, Dividing Partition between Toilet Rooms and Partition "X" which runs across Room on Line of Columns C3 and C4. High Partitions will be built as shown and Detailed with Top and Bottom Plates, Studs etc of #1 Fir. Anchor Bottom Plates to newly grouted floor with ½"ϕ anchor bolts 4'-0" on centers and Top Plates to Ceiling Slab in the same manner. Alternate method will be approved if considered equally as good by Owner. To each side of Studs apply ⅝" Sheet Rock with Butt Joints, fastened to Studs with 1¼" large headed, galvanized nails, 7" O.C. Cover all Joints both sides with #4"x 2 #1 Fir Strips. Sheet Rock to be ⅝"ϕ Firecode 60.

(b) Low Partitions, Plywood etc:- See Sheet #1. These will be built as detailed on Sheet #2. Anchor ends to Columns and Walls with ½"ϕ Expansion Bolts, through Vertical 2x4s shown, 3 to each 2x4. Erect 4x4" verticals at each side of all Doors, bottom to be toenailed to 2x4" floor plate and top to be anchored to ceiling slab with steel angles and expansion bolts. These 4x4" will for the Door Frames. Floor Plates to be anchored to floor concrete with ½"ϕ Anchor Bolts 4'0" O.C. Plywood Panels to be Interior Type, Douglas Fir, Ply Panel Grade A-D, ⅝" thick with 48"x 72" Panels, 72" sides vertical. Use butt joints and cover both sides with 4"x 2 #1 Fir Strips running vertically.

4- Millwork:- See Door Schedule on Sheet #1 of Plans. All Frames, Casings, Base & Shoe etc to be W.P. Pine. See details covering all Doors and the Windows in Detail © and Detail (A). Furnish Storm and Screen Doors for Door #1 and South Door #3. See Note re Outside Windows elsewhere on this Sheet.

5- Caulking:- All Outside Plank Frames in Doors #1 and #3 will be caulked to Masonry with Horn Co's. Caulking Compound.

6- Ceiling Opening:- See Detail on Sheet #3 of Drawings covering method of Closing this Opening. All framing to be #1 Fir.

7- Painting:- After Erection all Lumber, Wood Work, Ply Wood, Sheet Rock etc will be sized and painted one (1) coat of Pittsburgh Wallhide Flat Wall Paint. Doors, Frames and other Wood Work exposed to outside will be sized and recieve one (1) coat of Pittsburgh Sun Proof Paint. Paint Ceiling with one (1) coat of Pittsburgh Wallhide Flat Wall Paint, after Patching same. All colors will be selected by Owner. Paint inside and Outside of Window Sash and Present Frames. See Note re Outside Windows elsewhere on This Sheet.

8- Glass and Glazing:- This includes only the two (2) Toilet Room windows. See Detail on Sheet #2. Use Plastic Putty and D.S.A. obscure Glass.

9- Floor Covering:- To Top of Cement Floor, Apply Johns-Manville Asphalt Tile Floor Covering. Use 9"x 9" Tiles, 3/32" thick, cemented down as per Manufacturers Instructions. Tile to be Type No. A3 (See 1950 Sweet's Index) Furnish and install 4" Asphalt Cove Base on outside wall edges.

10- Hardware:- Hardware to be Corbin, Richards-Wilcox, Yale or equal. See F.O.K. Catalogue.

Doors #1 and #3 (3 thus) - No. B5-0B 6325 Yale Cylinder Front Door Knob Set with Dead Lock on Rear, Keyed alike. Dull Brass Finish, for 1¾" Doors. 3 Pairs 4"x 4" Loose Pin Butts. See Note re Outside Windows elsewhere on this Sheet.

Doors #2 (2 office Doors) No. B5-H.B. 7656 Office Door Lock Set operated by Key from Outside and Knob from Inside. (1⅜" Doors.) 3 Pairs 3½"x 3½" Loose Pin Butts. Dull Brass Finish. Locks keyed alike.

Doors #2 (2 Toilet Room Doors) No. B5-0B W 3525 x NN Bath Room Door Locks. Locked on Inside by Turn Knob. Keyed alike. 2 Pairs 3½"x 3½" Loose Pin Butts. Dull Brass Finish. (1⅜" Doors)

Doors #4 (6 Doors, See Detail) No B5-640 Night Latch. 2 Pairs 2½" Loose Pin Cabinet Hinges. Dull Brass Finish. All Keyed alike.

Toilet Room Windows, Hinged at Bottom to Swing Out. (2 Windows) 2 Pair 3X3 Butts. 1 Casement Fastener. 1 Casement Operator. 1 Friction Stay.

Note:- For Storm and Screen Doors, furnish standard hinges and Latches.

PLUMBING

1- This consists of the Installation of two (2) Toilet Rooms as shown on Sheet #1 of Plans. In 8" Partion install one (1) 4"ϕ C.I. Soil Stack running up to ceiling, thence west and up through Roof. Bottom of Stack to run under Floor and connect to present sewer pipe running north from present two (2) Floor Drains which will be discontinued. Run Water supply piping from nearest source on walls or ceilings to fixtures. Closet Combinations to be Eljer Vit. China Wash Down Closets No. W.W. 5160. Lavatories to be No. V.W.-3340 Eljer Vit. China Lavatories. Install in Mens' Toilet where shown on Sheet #1 of Drawings one (1) 30 Gal. Automatic Electric Water Heater, Edison Hot Point No. E.W.-WBE 32-4, F.O.K. Catalogue, for Heating Water on Hot Water Side of Lavatories. Provide ¾" Plumbing Connections. All to comply with Provisions of New Canada Township Building Code.

HEATING

1.- This consists of the Installation of two (2) Reznor or equal Unit Heaters (Gas Supplied) where shown on Sheet #1 of Plans, with Capacities noted. Heaters to be Automatic and vented through walls to outside as shown. Equip Heaters with thermostats, located where shown on Sheet #1. Unit Heaters to be equipped with circulating Fans. Vent Pipes to be 7" diam. Transite equipped on Outside ends with Back Draft Controls. Heaters to be securely hung on Ceiling Slabs. Heater #1 to be KW-US 125 F. and Heater #2 to be KW-US 150 F. (See F.O.K. Catalogue) All to comply with Provisions of New Canada Township Building Code. Each Toilet Room will be Heated with one (1) Knapp-Monarch Electric Heater (1650 W-115 Volts A.C.) Electric Heaters to be Automatic Thermostat controlled (See F.O.K Catalogue No. E8-16-511) Two Heaters required thus.

ELECTRICAL WORK

1- Wiring in place at present is installed in rigid metal conduit fastened to walls and ceilings, running from box on south wall. This present installation will be re-arranged so as to serve new locations for light fixtures, base plugs, etc. Current will be metered at present meter location (separate from meter on current to Home Building). Use rigid conduit and wire sizes meeting all requirements of the New Canada Township Building Code for new Lighting Layout shown on Sheet #1 of Plans. See Sheet #1 for Location of Lights, Switches, Double Base Plugs etc. and provide connections to Gas Space Heater Fans, Electric Hot Water Heater and Two (2) Electric Room Heaters.

Fixtures in Agricultural Agent's Office, Home Agent's Office, Outer Office, Club Agent's Office and Storage or Office will be located and switched as shown and will be Virden VF-8481/4 with 4-T12-48" Tubes. All these above Fixtures will be suspended on V.K. 301 Double Stem Sets. (12 Fixtures thus)

Fixtures in Corridor and the two Toilet Rooms will be located and switched as shown and will be Virden V-609 with one 100 Watt Frosted bulb. All Switches will be No. ES-1314-1 single pole brown. Toggle Plates will be No. ES-1401-1 brown. Switch Boxes will be No. ES-R5, 2x3" for Rigid Conduit. Double Base Plugs will be duplex No. ES-9620 brown plastic. Plates will be No. ES-1403-1 brown plastic. See Page 396 S of F.O.K. Catalogue. (or Equal)

General Note re Metering of Gas and Electric Current:- Heating and Electrical Sub-Contractors will examine present metering facilities in Meter House which is located immediately west of the location where work is to be done. Metering of gas and electricity will be arranged so that these facilities will not effect the present metering of same to the main Home Building, but will be entirely separate therefrom.

See Plumbing Specs. for Electric Water Heater and provide proper Electrical Circuit and connections. ✓
See Heating Specs. for Electric Heaters in Toilets and provide Electrical Circuit and Connections.
See Heating Specs. for Unit Heaters and provide Electrical Connections for Heater Fans.

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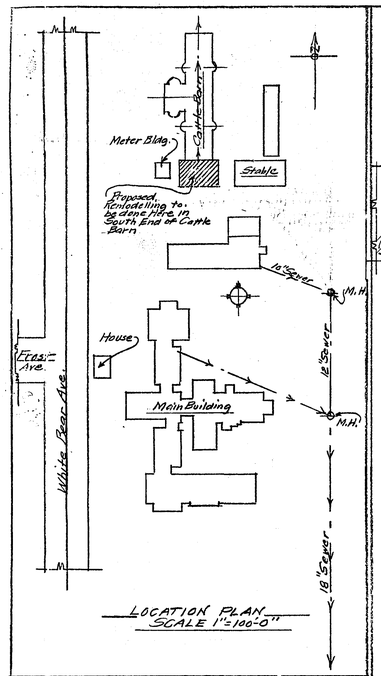
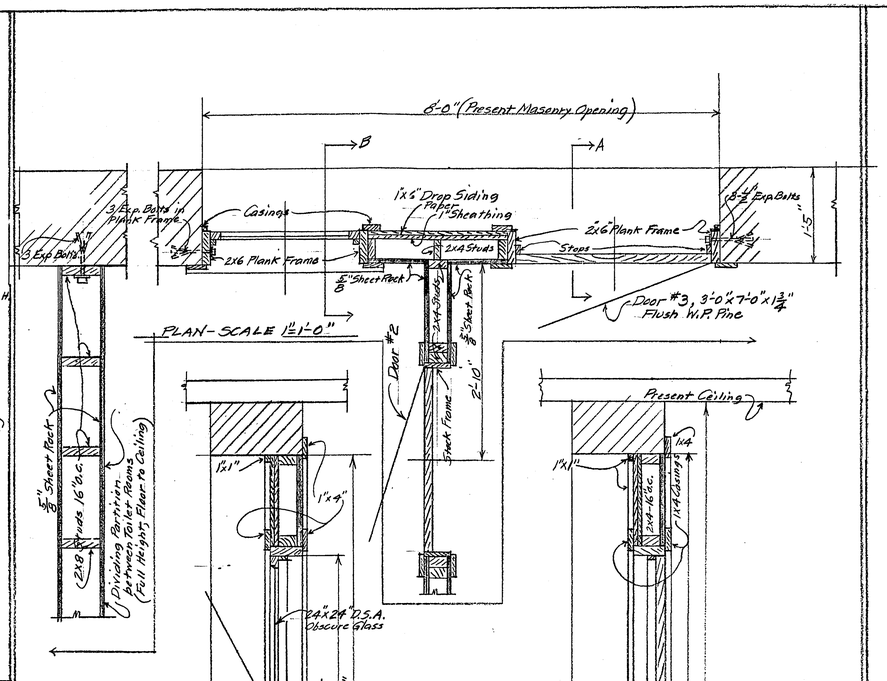


LOCATION PLAN
SCALE 1"=100'-0"

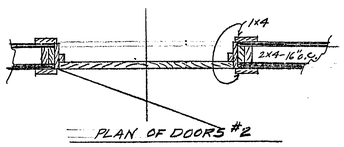


SECTION B-B THROUGH WINDOW - SCALE 1"=1'-0"

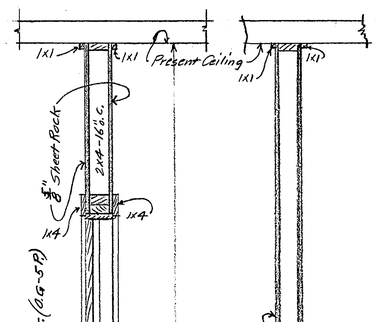
SECTION A-A THROUGH DOOR #3 - SCALE 1"=1'-0"

Note:- Remove and discard present Door and Frame, leaving present Masonry Opening bare. Then install construction shown. New Door, Window, Plank Frames, Trim and Casings to be W.P. Pine.

DETAIL Ⓐ (SEE SHEET #1) SCALES NOTED



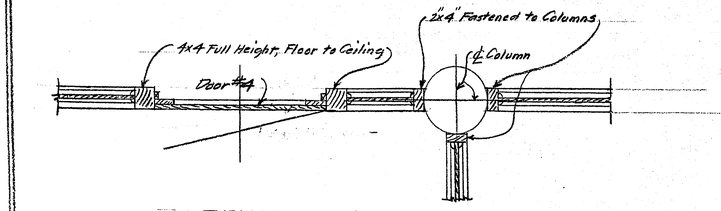
PLAN OF DOORS #2



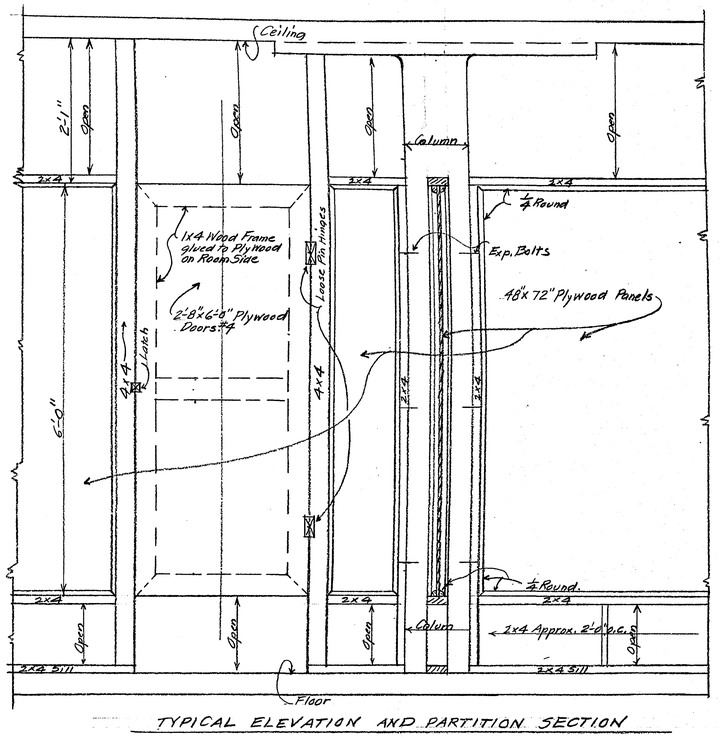
VERTICAL SECTION THROUGH DOORS #2

VERTICAL SECTION THROUGH OUTSIDE TOILET ROOM PARTITIONS
Note:- Dividing Partition to be same except Studs will be 2x8-16" o.c.

DETAIL OF TOILET ROOM PARTITIONS AND DOORS - SCALE 1"=1'-0"



TYPICAL PLAN



TYPICAL ELEVATION AND PARTITION SECTION

Note re Plywood:- Plywood for office doors #4 and Low Partitions will be Interior Type Douglas Fir Plywood, Ply Panel Grade A-D, ¼" thick (5 Ply). Panels will be 48" wide and 72" high. Use butt vertical joints, covered both sides with 1"x2" wood strips.

DETAILS OF LOW PARTITIONS - SCALE 1"=1'-0"

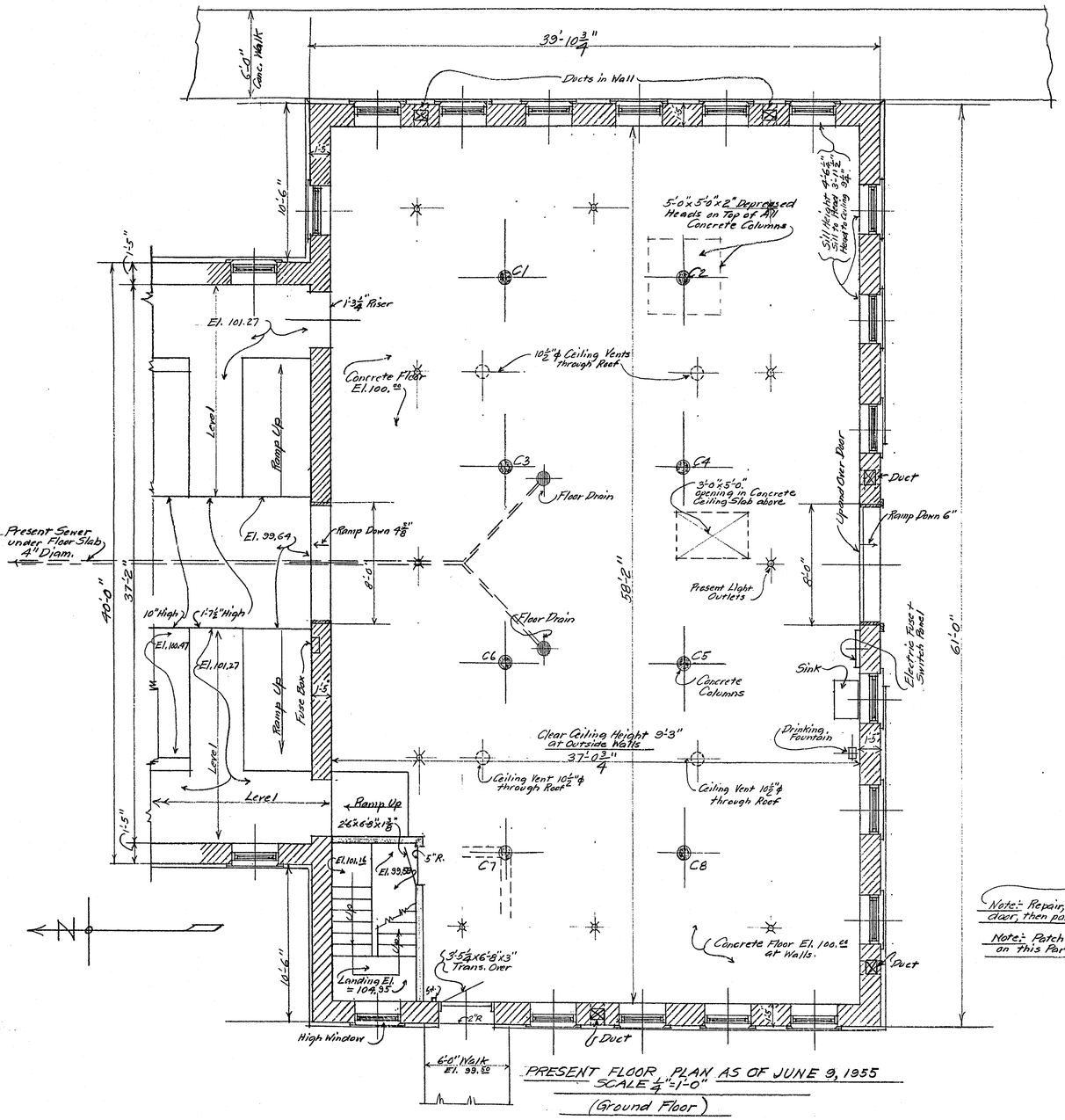
PLAN

VERTICAL SECTION C-C.

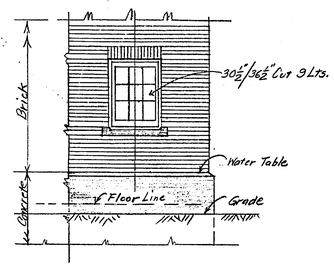
DETAIL Ⓓ (SEE SHEET #1) - SCALE 1"=1'-0"

Note Re Detail Ⓓ (See Sheet #1) - Masonry Opening is same size as that covered by Detail Ⓐ. Remove and discard present Door and Frame, leaving Masonry Opening Bare. Then install construction similar to Detail Ⓐ, except that Door will be in Center of Opening and there will be no Window.

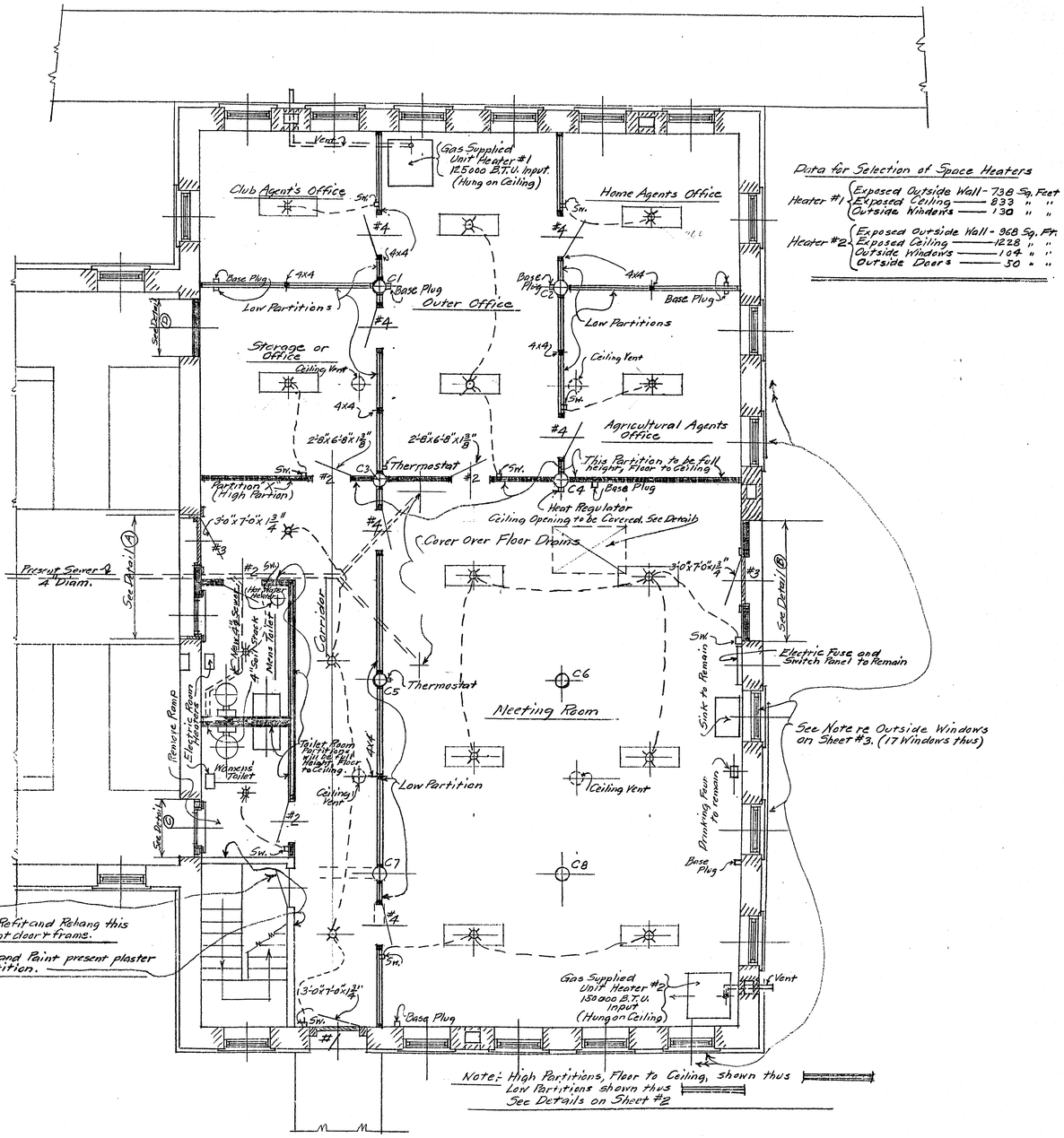
Note re Partition "X" (See Sheet #1) - Partition "X" will run across entire room on line of 2 Columns. It will have same construction Toilet Room Partitions detailed above, including Doors #2. Fasten 2x4 studs to Columns and Masonry Walls. Intermediate Studs to be 2x4-16" o.c.



PRESENT FLOOR PLAN AS OF JUNE 9, 1955
SCALE 1/4"=1'-0"
(Ground Floor)



OUTSIDE ELEVATION OF TYPICAL WINDOW - SCALE 1/4"=1'-0"



Data for Selection of Space Heaters

Heater #1	Exposed Outside Wall - 738 Sq. Feet	
	Exposed Ceiling	833 " "
	Outside Windows	130 " "
Heater #2	Exposed Outside Wall - 368 Sq. Ft.	
	Exposed Ceiling	1228 " "
	Outside Windows	104 " "
	Outside Doors	30 " "

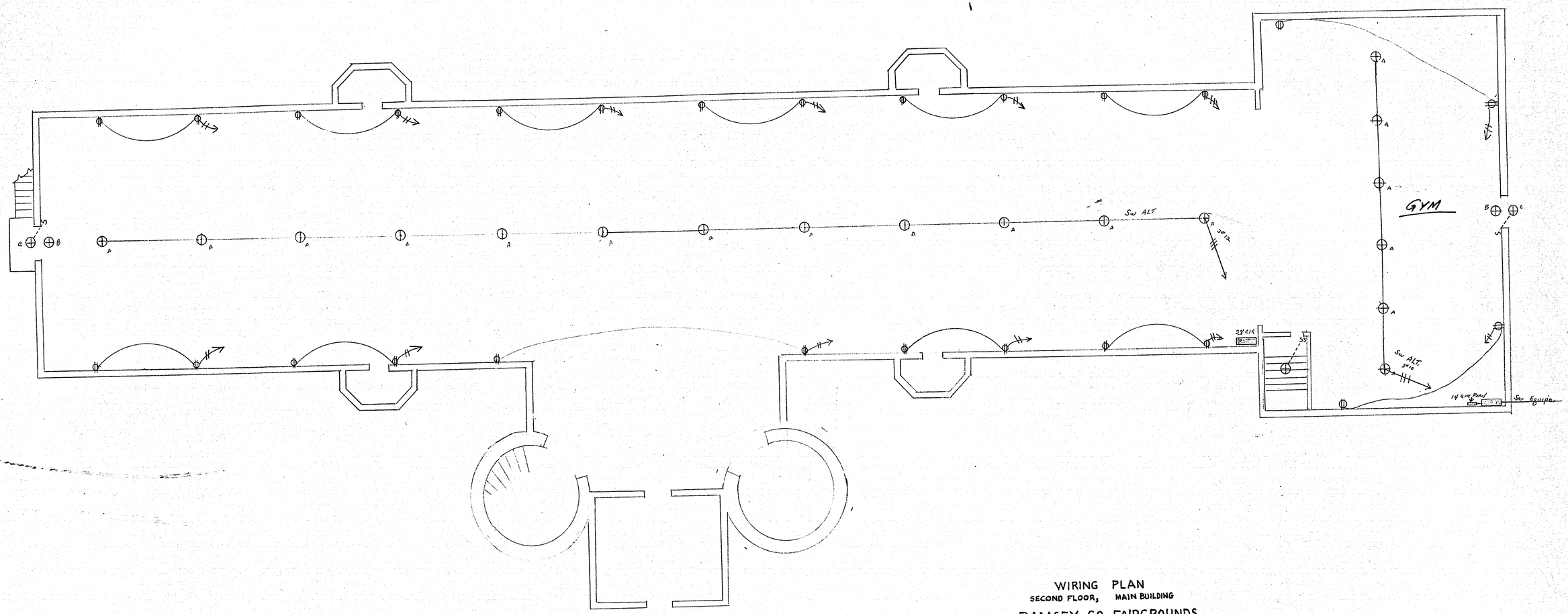
FLOOR PLAN SHOWING PROPOSED REMODELLING
SCALE 1/4"=1'-0"

Note:- High Partitions, Floor to Ceiling, shown thus
Low Partitions shown thus
See Details on Sheet #2

DOOR SCHEDULE

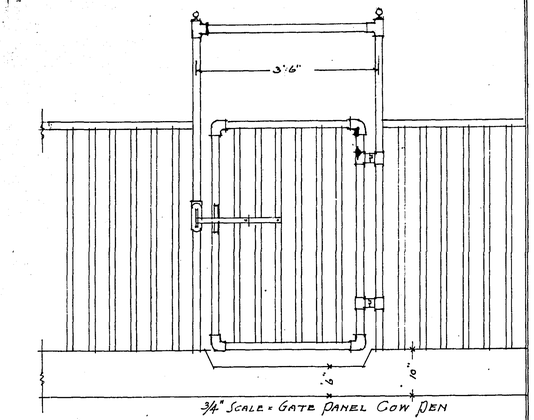
Door No.	No. Required	Size	Type	Material for Door Frame + Casings	Notes
1	1	3'-0"x7'-0" 1 3/8"	C.G. 5 P.	W.P. Pine (See Detail)	Remove old door, frame + casings
2	4	2'-8"x6'-8" 1 3/8"	C.G. 5 P.	do	
3	2	3'-0"x7'-0" 1 3/8"	C.G. 5 P.	do	Remove old door, frame + casings
4	6	2'-8"x6'-0" 1 3/8"	Flush	1/8 Plywood (See Detail)	

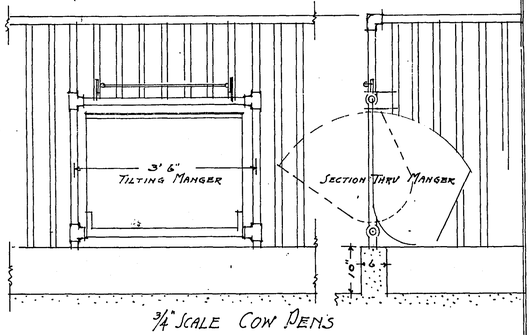
PROPOSED REMODELLING OF SOUTH END OF PRESENT CATTLE BARN AT
RAMSEY COUNTY HOME.
RAMSEY COUNTY, MINN
NOVEMBER 1955 SCALES NOTED
H.S. BRONSON, COUNTY ENGINEER, DEL.

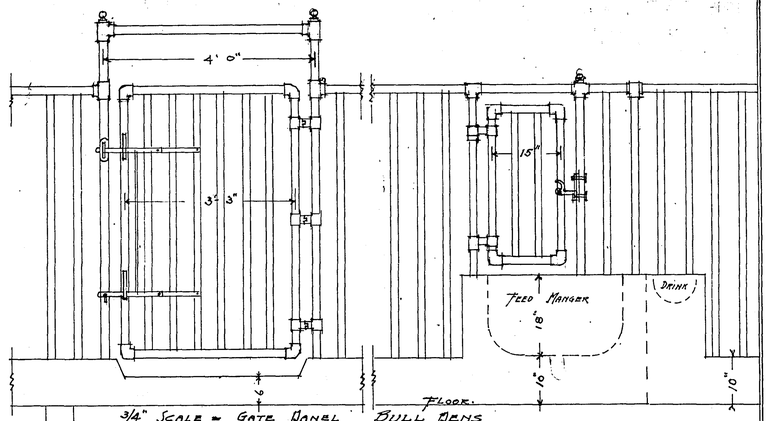


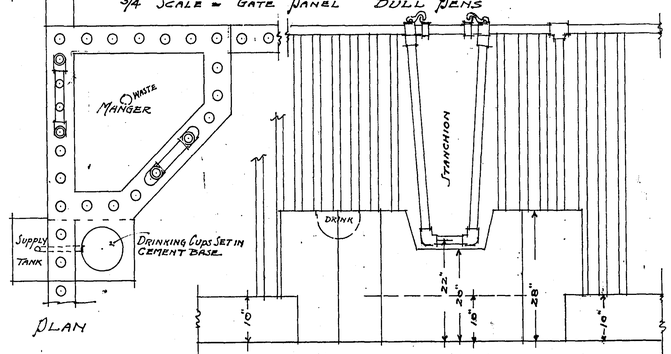
WIRING PLAN
SECOND FLOOR, MAIN BUILDING
RAMSEY CO. FAIRGROUNDS
SCALE 1/8"=1'-0" JUNE 1956

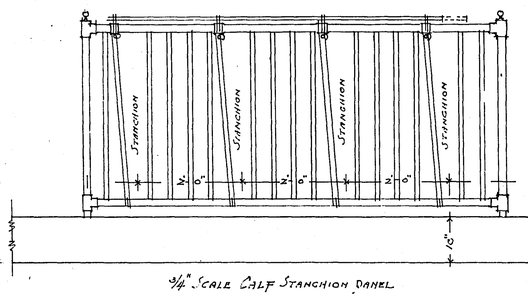
T-112

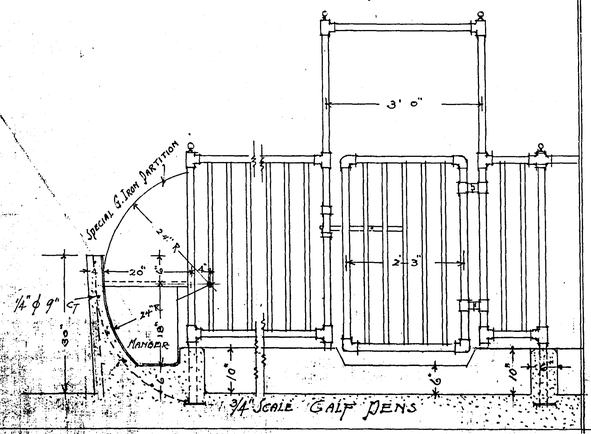


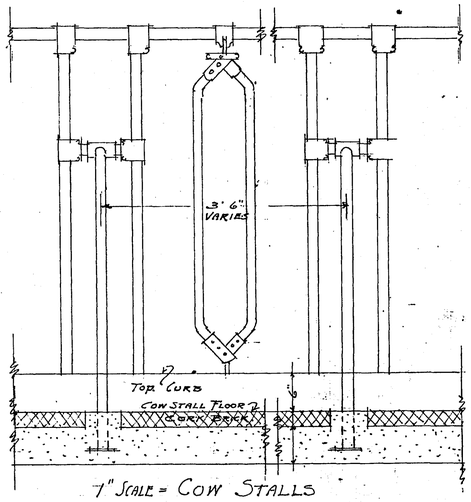


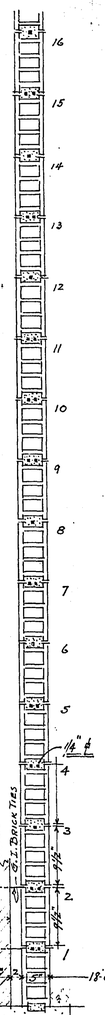


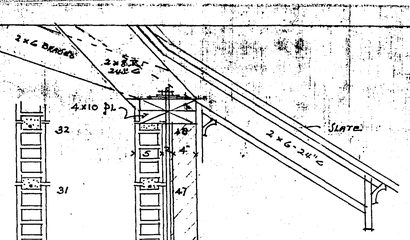


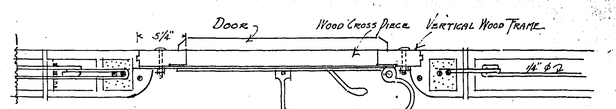


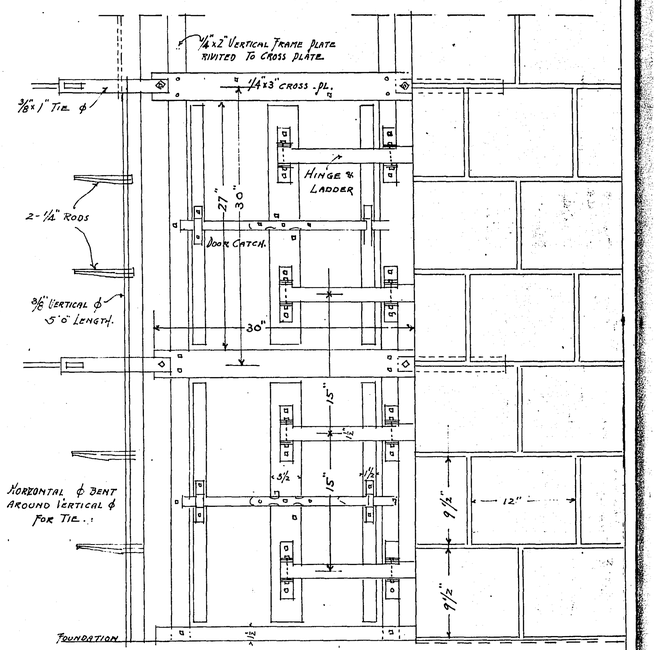


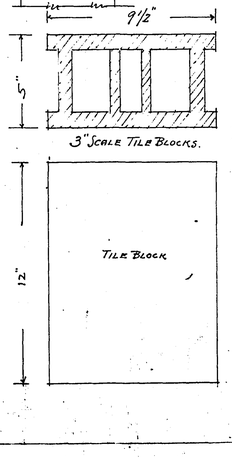




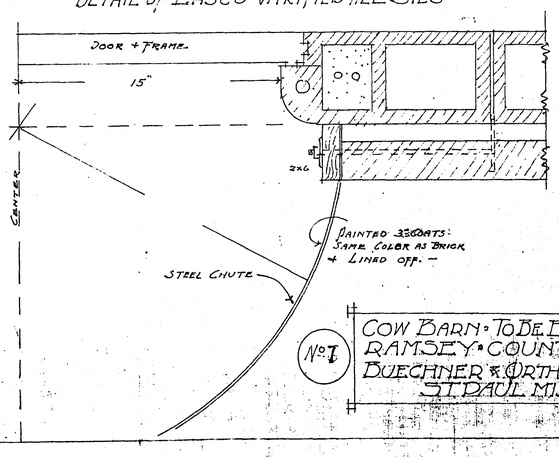








Detail of Lasco Vitrified Tile Silo



No. 1

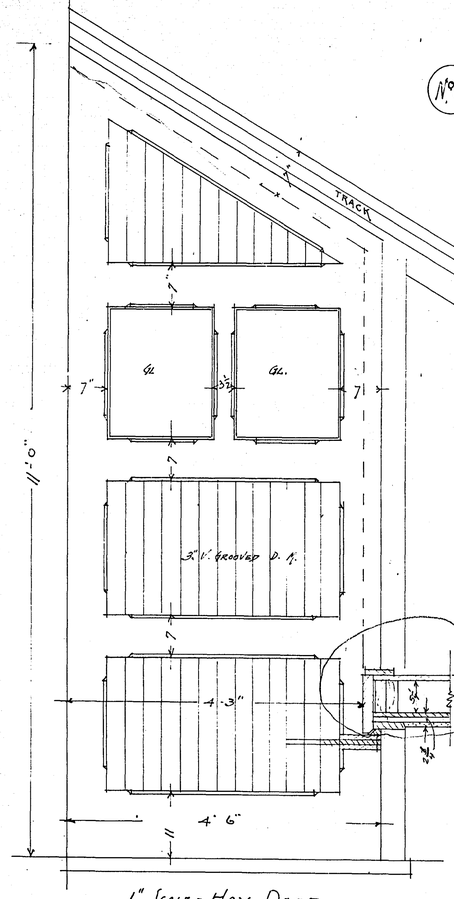
COW BARN. TO BE ERECTED AT RAMSEY COUNTY HOME.
BUECHNER & ORTH. ARCHTS.
ST. PAUL MINN.

1-9-19

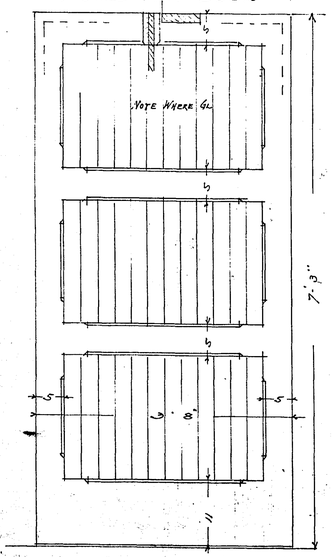
No 6 — Cow Barn To Be Erected at Ramsey County Home

Buechner & Orth Archts
St Paul Minn.

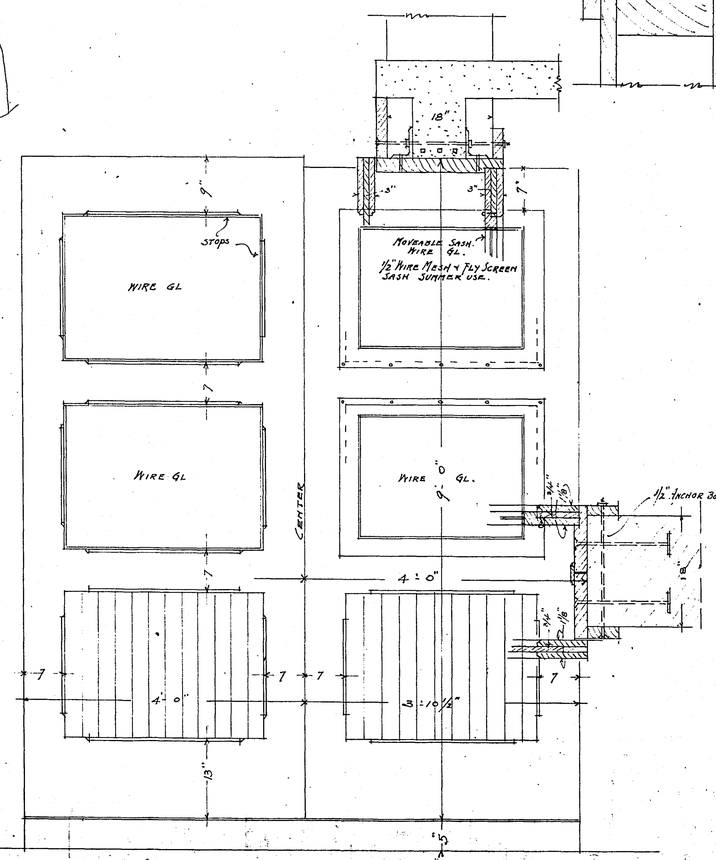
1-9-19



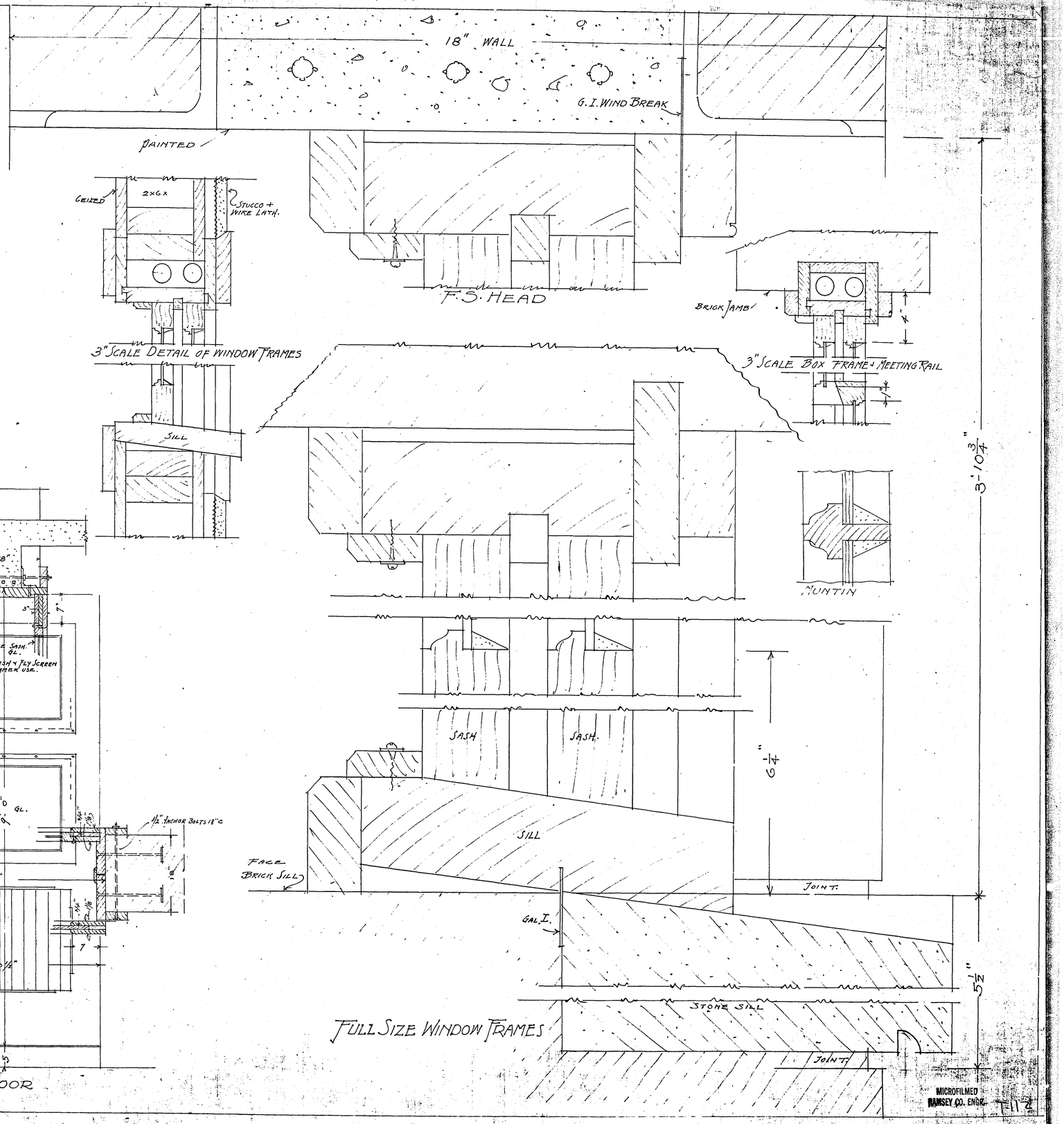
1" Scale = Hay Door



3'-8" x 7'-0" Doors



1" Scale Litter Alley Door



HAY LOFT FLOOR PLAN
Scale 1/8 IN = 1 FT.

1" SCALE DETAIL OF FOUL AIR EXHAUST IN VENTILATING CONTRACT

No. 5. COW BARN · TO BE ERECTED AT RAMSEY · COUNTY · HOME · BUECHNER & ORTH · ARCHTS · ST PAUL. MINN ·

1-9-19

T. 112

GROUND FLOOR PLAN
SCALE 1/8 IN = 1 FT.

1st SCALE DETAIL OF STALLS & FEED MANGER

GENERAL REINFORCEMENT OF HAY LOFT FLOOR SLAB
1/4" SCALE = 1 FT.

MILK HOUSE
SEE OTHER SHEET

COW BARN TO BE ERECTED AT RAMSEY COUNTY HOME
BUECHNER & ORTH ARCHTS
ST. PAUL MINN.

No 4

Rain Water Cesspool 4'0"x4'0"x15'0" Deep 2" Plank Curb

8" Tile

6" T. Pipe

To S.W.S. at other end.

To Root Cellar

20"x8" Footing.

189'-10" Tunnel

Connect To Dig House

2-3 W.S. At other End

24" Dia C.I. Manhole

24" Dia C.I. Tr. Cover. Glass 2-3 W.S.

Connection To Boiler Rm.

To S.W.S. At other End

54'-1"

42'-9"

42'-9"

50'-3"

40'-4"

Drop Wall To Tunnel Level - 28"x12" Ft.

6" Tile

6" Tile Rain Pipe.

6" T. Rain Pipe.

6" Tile Pipe. Rain Leader

28"x12" Ft.

Iron Ladder

4'6" Dia Pump

10'0" Deep.

Iron Ladder

24" Dia Manhole C.I. Fr + Cover

6'-0"

Location Given Late

3½' Catch Basin. 250

40'-4"

Ranger Drain

Gutter Drains

8" 24 ft. C.I. S.P.

6" 24 ft. C.I. Soil Pipe

Gutter Drains

Ranger Drains

Up To Curb

3'6"x3'6"x12" Footing.

8" 24 ft. C.I. Soil Pipe

5" Slab

Tunnel

Drop Footing

28"x12" Footing

29"x12" Ft.

6" Tile Rain Leader Pipe

6" T. Rain Pipe.

6" Tile Pipe. Rain Leaders

Lift 5'x5' 30" Pit.

Pipe Tunnel

Litter Alley Fl.

Grade

1½" Gas. P. Rail

Floor

Grade

10" Tl. & Slab.

9" Slab

3-1½"

5" Slab 3/8" @ 5" C.C. Tunnel

6'-7"

7'-4"

6'-2"

Door

Cong. Steps

5'-11"

7'-11"

Brick 12"

5'-0"

Elv. Pit.

1/4" Scale Section - A-A.

1½" Gas. P. Rail

1" Finish Fl.

7" Slab

3 Keys 10"x8"

Brick

7'-2"

8'-2"

Bas. Fl.

28"

1/4" Scale Section - B-B.

10'-9"

18'-10"

9" Slab

3/8" @ 3" C.C.

S Lt.

Drop Footing

17 Ft.

40'-0"

7" Slab

1/2" @ 3" C.C.

Lt.

7" Slab

3/8" @ 6" C.C.

12'-6"

9'-6"

12'-6"

7'-8"

7'-8"

40'-4"

Basement & Foundation Plan

Scale 1/8" Inch = 1 Ft.

8" Tile

Rain Water Cesspool

Rain Water Cesspool 4'x4'x15'-0" Deep Plank Curb

10" Col.

Litter Alley Floor

J = 3/8" @ Each Way

3'-6"

12"

2'-0"

1/4 in Scale Colm Footing.

Milk House.

1/4 Inch Scale Section C.C.

No 3

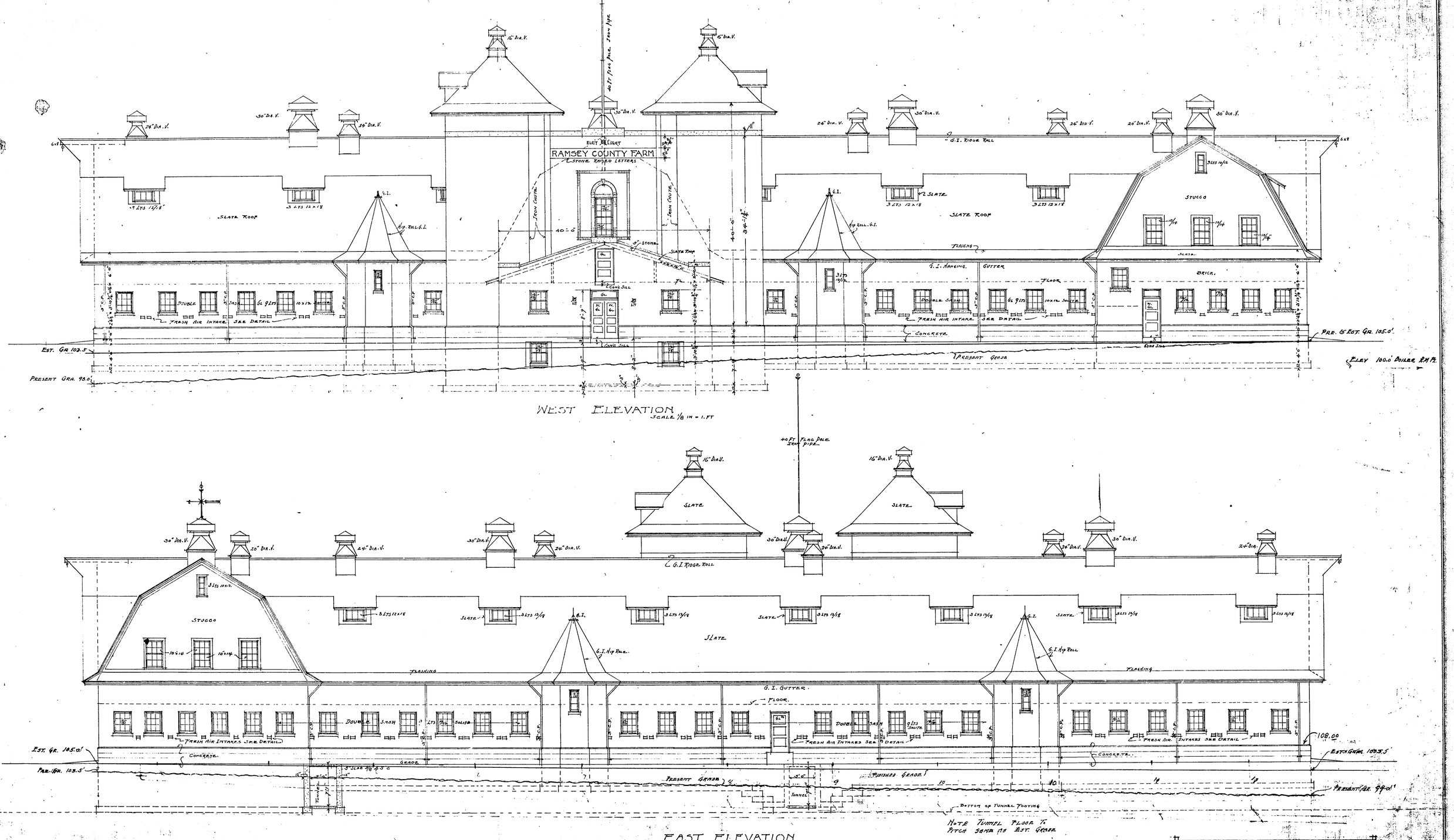
Cow Barn To Be Built At Ramsey County Home.

Buechner & Orth. Archts.

St Paul Minn.

1-9-19

Ventilators As Marked on Elevations
Foul Air Exhaust Duct Connected with Ventilator at Roof in Ventilating Contract.
Slate
Slate
Felt
Sheathing
Ceiled
G.I. Gutter
Center Line
Carrier
Top of Closets
Stanchion
Datum Line
See other Detail
Cork Brick
Sand & Gravel Fill
Grade
Grade Line
6" Concrete Curb Between Each Stall Flush with Floor
1/2 INCH SCALE DETAIL SECTION
SECTION THRU FEED ROOM
Tunnel
Grade
Aluminum Paint (1 Coat)
Ivory Paint (1 Coat)
1/2 SCALE SECTION
1 1/2 INCH SCALE SECTION AT GABLES A-A
Double Sash
Stone
Iron Frame - Copper Fly Screen
F.A. Intake
Damper
Floor
1/2 INCH SCALE - SHOWING FRESH AIR INTAKE
GAL. IRON DUCTS IN VENTILATING CONTRACT.
Slate
Stucco
Door 3x4
Concrete
SOUTH ELEVATION
Scale 1/8 inch = 1 Ft.
G.I. Ridge Roll
Stucco
Slate
Stone
Tunnel
Concrete Bm.
NORTH ELEVATION
Scale 1/8 inch = 1 Ft.
COW BARN TO BE ERECTED AT
RAMSEY COUNTY HOME
BUECHNER & ORTH ARCHTS
ST PAUL MINN
MICROFILMED RAMSEY CO. ENGR.
T-112



COW BARN TO BE ERECTED AT RAMSEY COUNTY HOME
BUECHNER & ORTH ARCHTS
ST. PAUL MINN.

No. 1

1-30-19

T-112