

STATE OF VERMONT PROPOSED STATE HIGHWAY MAINTENANCE GARAGE

LOCATED IN NEW HAVEN, VERMONT

INDEX

- 1. SITE PLAN (BUILDING & DRIVEWAY)
- 2. FLOOR PLAN (HIGHWAY MAINTENANCE GARAGE)
- 3. ELECTRICAL PLAN
- 4. MECHANICAL PLAN
- 5. STRUCTURAL PLAN
- 6. FOUNDATION PLAN
- 7. ELEVATION PLAN
- 8. SECTION PLAN
- 9. DETAIL PLAN
- 10. FINISH SCHEDULE
- 11. MATERIAL SCHEDULE
- 12. SPECIFICATIONS
- 13. NOTES

LEGEND

- NEW CONCRETE
- EXISTING CONCRETE
- EXISTING FOOTING
- EXISTING FOUNDATION
- EXISTING WALL
- EXISTING ROOF
- EXISTING FLOOR
- EXISTING CEILING
- EXISTING TRUSS
- EXISTING BEAM
- EXISTING COLUMN
- EXISTING DOOR
- EXISTING WINDOW
- EXISTING STAIR
- EXISTING ELEVATOR
- EXISTING MECHANICAL
- EXISTING ELECTRICAL
- EXISTING PIPING
- EXISTING UTILITIES
- EXISTING LANDSCAPE
- EXISTING TREES
- EXISTING SHRUBS
- EXISTING GRASS
- EXISTING DRIVEWAY
- EXISTING PAVEMENT
- EXISTING CURB
- EXISTING GUTTER
- EXISTING DRAINAGE
- EXISTING SEWER
- EXISTING WATER
- EXISTING GAS
- EXISTING TELEPHONE
- EXISTING CABLE
- EXISTING ANTENNA
- EXISTING SIGN
- EXISTING LIGHTING
- EXISTING FENCE
- EXISTING WALL
- EXISTING ROOF
- EXISTING FLOOR
- EXISTING CEILING
- EXISTING TRUSS
- EXISTING BEAM
- EXISTING COLUMN
- EXISTING DOOR
- EXISTING WINDOW
- EXISTING STAIR
- EXISTING ELEVATOR
- EXISTING MECHANICAL
- EXISTING ELECTRICAL
- EXISTING PIPING
- EXISTING UTILITIES
- EXISTING LANDSCAPE
- EXISTING TREES
- EXISTING SHRUBS
- EXISTING GRASS
- EXISTING DRIVEWAY
- EXISTING PAVEMENT
- EXISTING CURB
- EXISTING GUTTER
- EXISTING DRAINAGE
- EXISTING SEWER
- EXISTING WATER
- EXISTING GAS
- EXISTING TELEPHONE
- EXISTING CABLE
- EXISTING ANTENNA
- EXISTING SIGN
- EXISTING LIGHTING
- EXISTING FENCE

PROPOSED STATE HIGHWAY MAINTENANCE GARAGE
 LOCATION BY STATE HIGHWAY DEPT.

SITE PLAN
 SCALE 1" = 50'

PLAN OF TRANSFORMER PAD
 SCALE 3/4" = 10'

BORING DATA

AMOUNTED FOR ADDENDA		
NO.	DATE	BY
1	1/11/47	FF

ESTIMATE NO.	RECOLLECTED TEST RESULTS	TIME	STAGES
10	11/25	11/25	1/4
11	11/26	11/26	1/4
12	11/27	11/27	1/4
13	11/28	11/28	1/4
14	11/29	11/29	1/4
15	11/30	11/30	1/4
16	12/1	12/1	1/4
17	12/2	12/2	1/4
18	12/3	12/3	1/4
19	12/4	12/4	1/4
20	12/5	12/5	1/4
21	12/6	12/6	1/4
22	12/7	12/7	1/4
23	12/8	12/8	1/4
24	12/9	12/9	1/4
25	12/10	12/10	1/4
26	12/11	12/11	1/4
27	12/12	12/12	1/4
28	12/13	12/13	1/4
29	12/14	12/14	1/4
30	12/15	12/15	1/4
31	12/16	12/16	1/4
32	12/17	12/17	1/4
33	12/18	12/18	1/4
34	12/19	12/19	1/4
35	12/20	12/20	1/4
36	12/21	12/21	1/4
37	12/22	12/22	1/4
38	12/23	12/23	1/4
39	12/24	12/24	1/4
40	12/25	12/25	1/4
41	12/26	12/26	1/4
42	12/27	12/27	1/4
43	12/28	12/28	1/4
44	12/29	12/29	1/4
45	12/30	12/30	1/4
46	12/31	12/31	1/4
47	1/1/47	1/1/47	1/4
48	1/2/47	1/2/47	1/4
49	1/3/47	1/3/47	1/4
50	1/4/47	1/4/47	1/4
51	1/5/47	1/5/47	1/4
52	1/6/47	1/6/47	1/4
53	1/7/47	1/7/47	1/4
54	1/8/47	1/8/47	1/4
55	1/9/47	1/9/47	1/4
56	1/10/47	1/10/47	1/4
57	1/11/47	1/11/47	1/4
58	1/12/47	1/12/47	1/4
59	1/13/47	1/13/47	1/4
60	1/14/47	1/14/47	1/4
61	1/15/47	1/15/47	1/4
62	1/16/47	1/16/47	1/4
63	1/17/47	1/17/47	1/4
64	1/18/47	1/18/47	1/4
65	1/19/47	1/19/47	1/4
66	1/20/47	1/20/47	1/4
67	1/21/47	1/21/47	1/4
68	1/22/47	1/22/47	1/4
69	1/23/47	1/23/47	1/4
70	1/24/47	1/24/47	1/4
71	1/25/47	1/25/47	1/4
72	1/26/47	1/26/47 </td	

NOTES: TRANSFORMER PAD
 1. CONCRETE - GOOD PRACTICE
 2. PAD TO BE LEVEL
 3. ALL CHANGES ALL EXTERIOR FINISHES
 4. ALL LIFTING EYES LIFTING & SET - 9/4 & 5/4
 5. FOUNDING PAVING TO BE DONE DURING ROAD CONSTRUCTION

SCALE 1" = 50'

SCALE 3/4" = 10'

STATE OF VERMONT
 DEPARTMENT OF ADMINISTRATION
 VERMONT

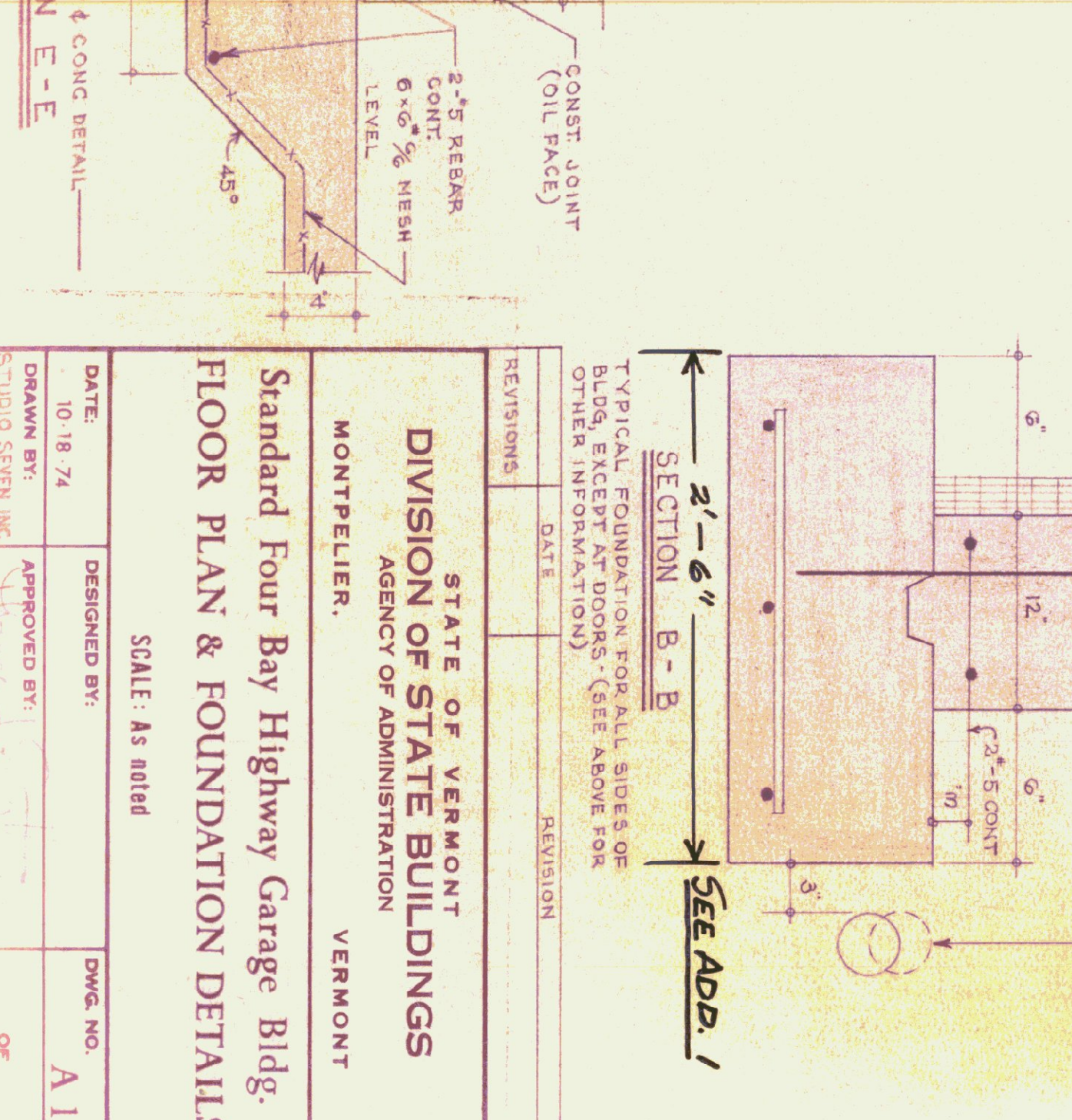
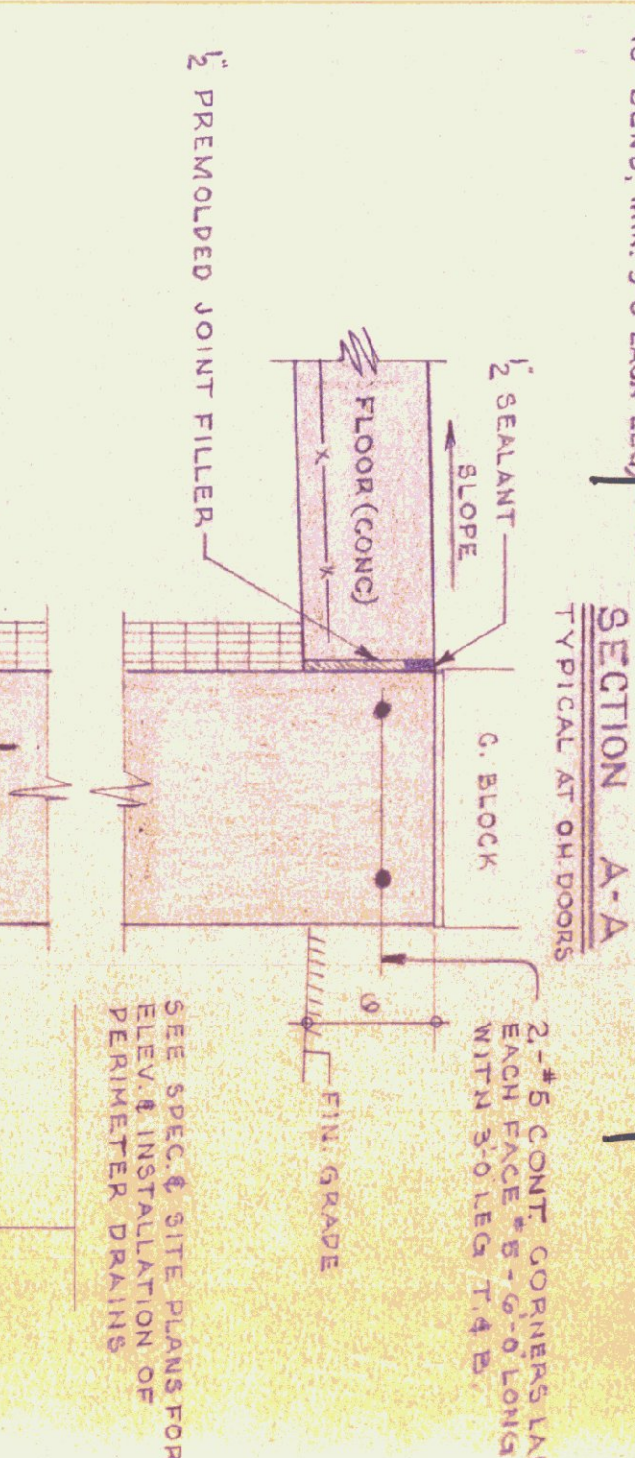
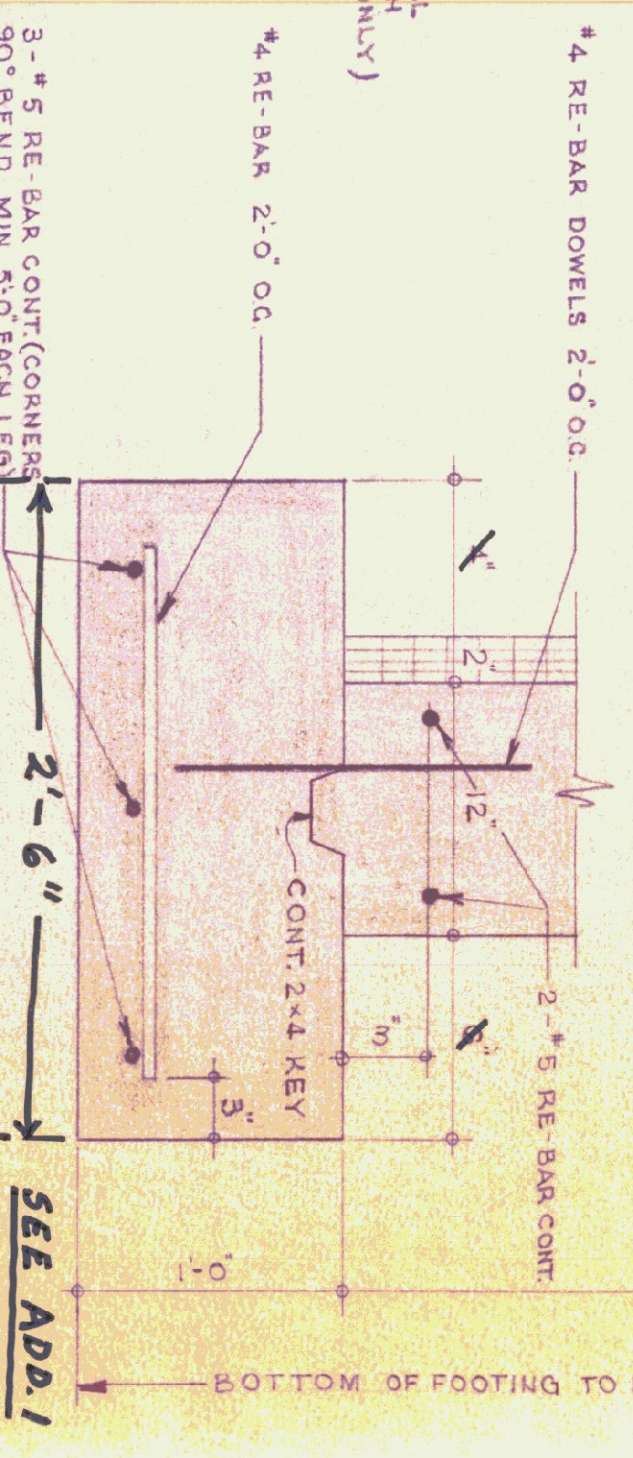
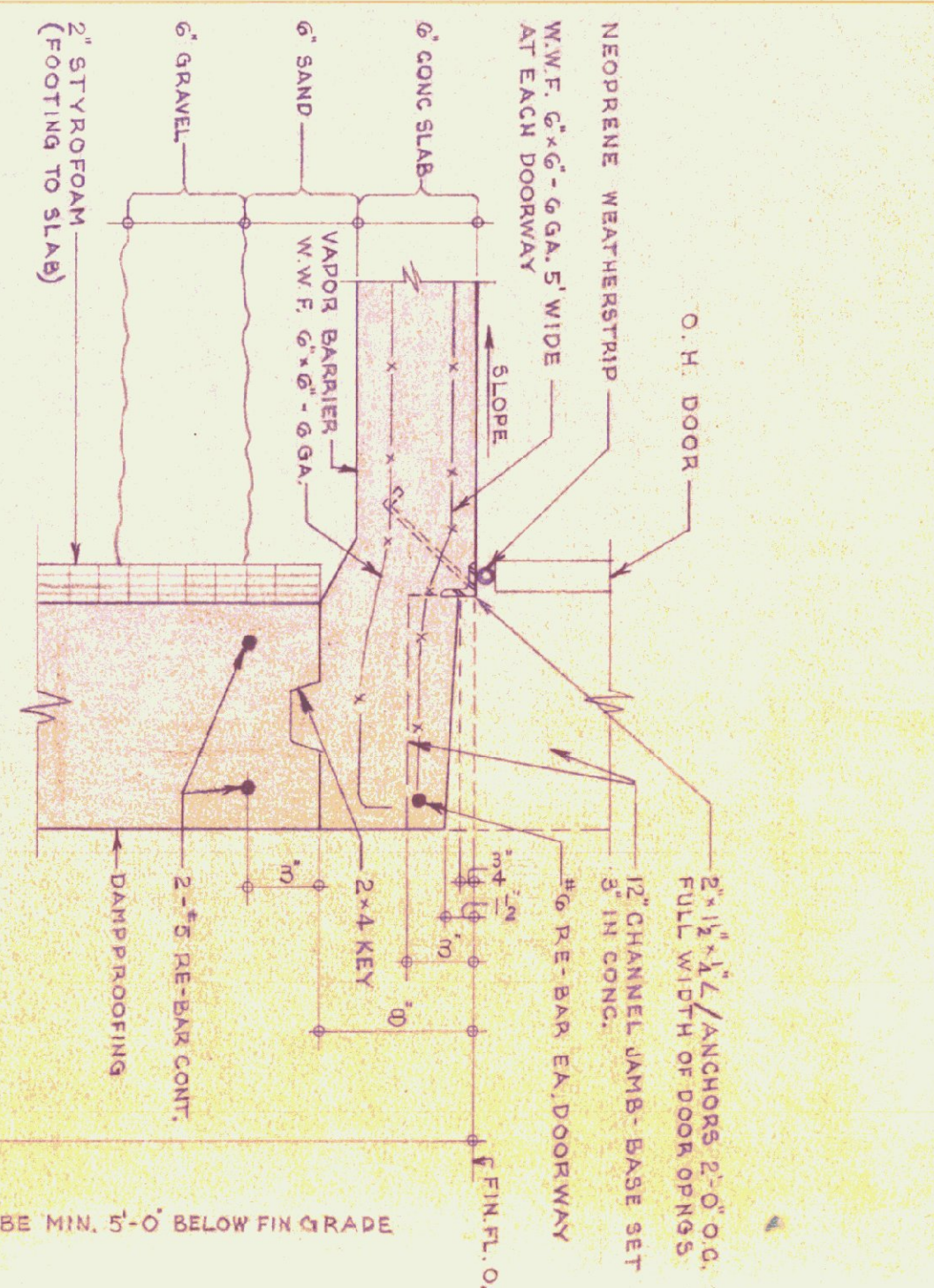
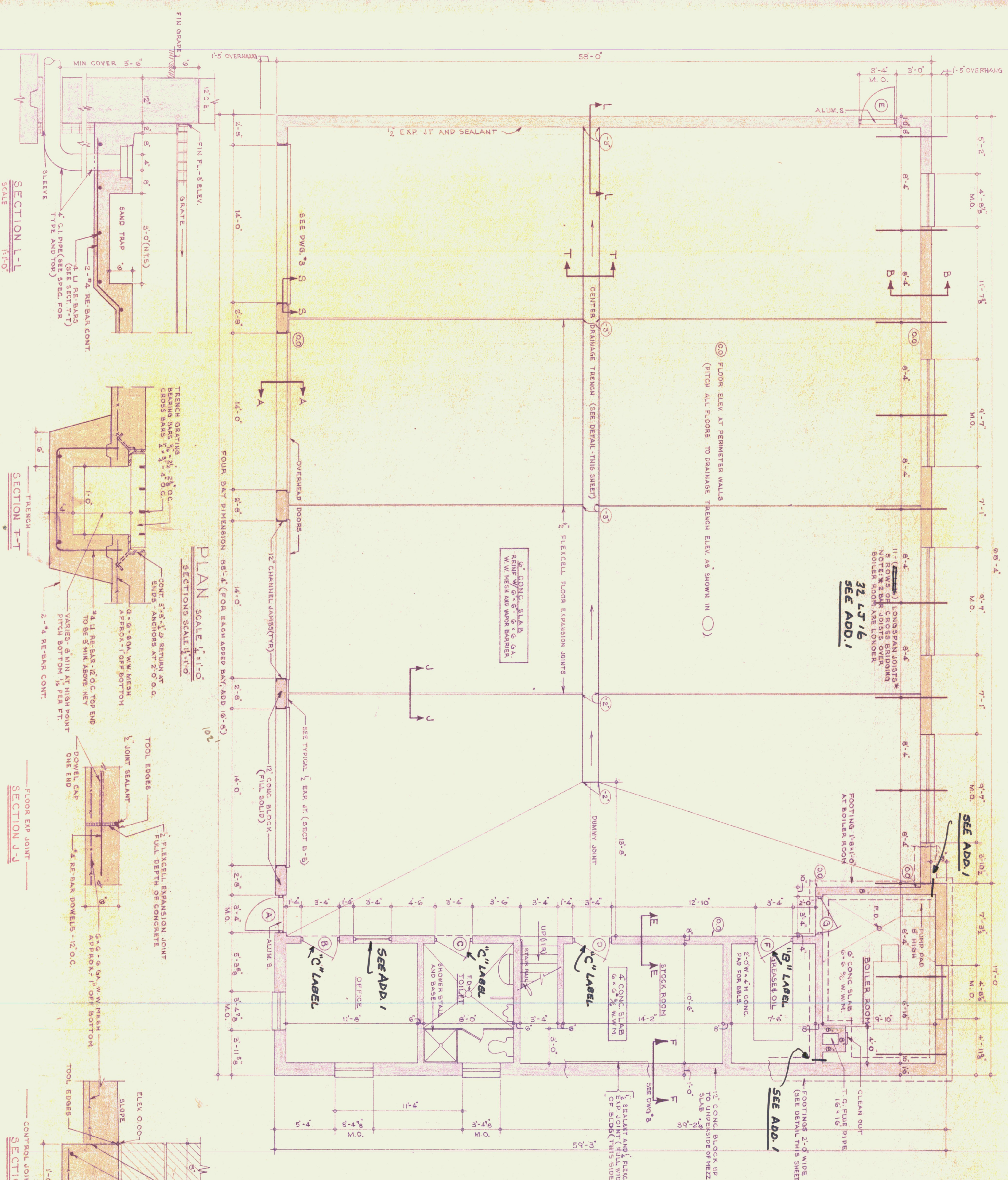
STATE OF VERMONT
 STATE BUILDINGS DIVISION
 DEPARTMENT OF ADMINISTRATION
 VERMONT

DESIGNED BY: *[Signature]*
 DRAWN BY: *[Signature]*
 DATE: 9-7-77
 APPROVED BY: *[Signature]*
 DATE: 9/13/77

DATE: 9-7-77
 DRAWN BY: *[Signature]*
 APPROVED BY: *[Signature]*
 DATE: 9/13/77

GENERAL NOTES

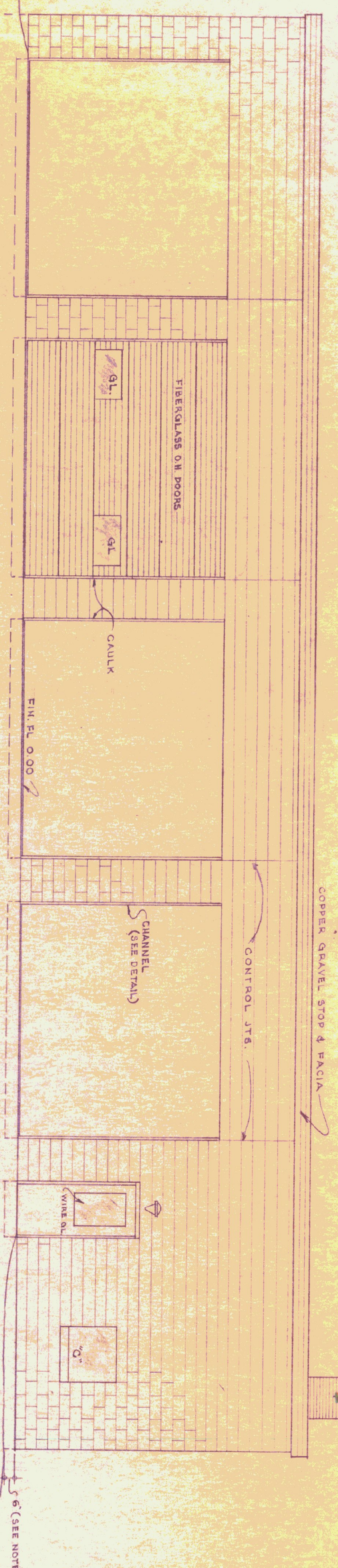
ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS/MAX. SLUMP OF 4".
 ALL CONSTRUCTION JOINTS SHALL BE SUBMITTED FOR APPROVAL BY THE ARCHITECT.
 ALL CONCRETE TO BE CURED, 3/4 TO BE COVERED WITH 915ALASKAFIT EXPANSION JOINTS TO HAVE TOoled EDGES.



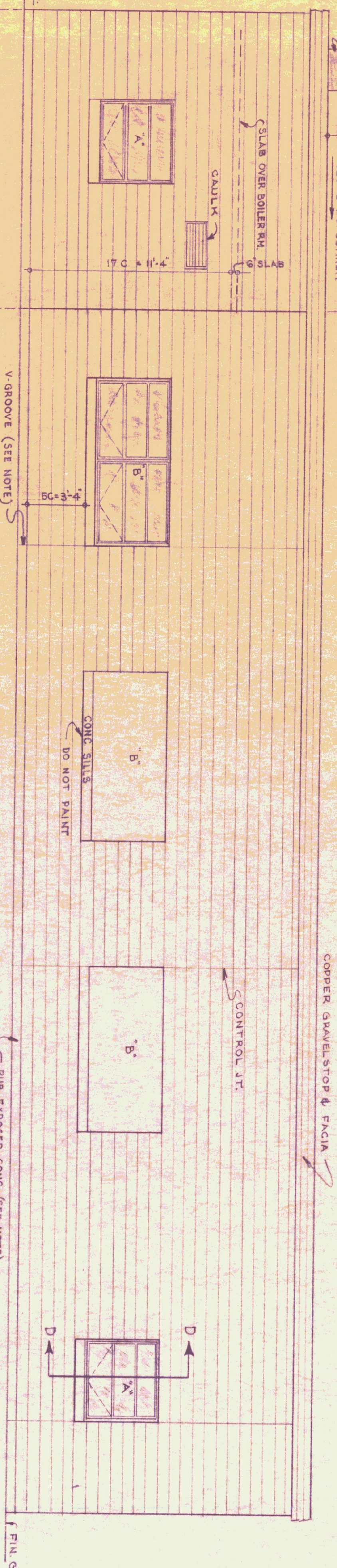
DATE:	10/18/74	DESIGNED BY:		DWG. NO.:	A1
DRAWN BY:		APPROVED BY:			
STUDIO SEVEN INC.					

STATE OF VERMONT
 DIVISION OF STATE BUILDINGS
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

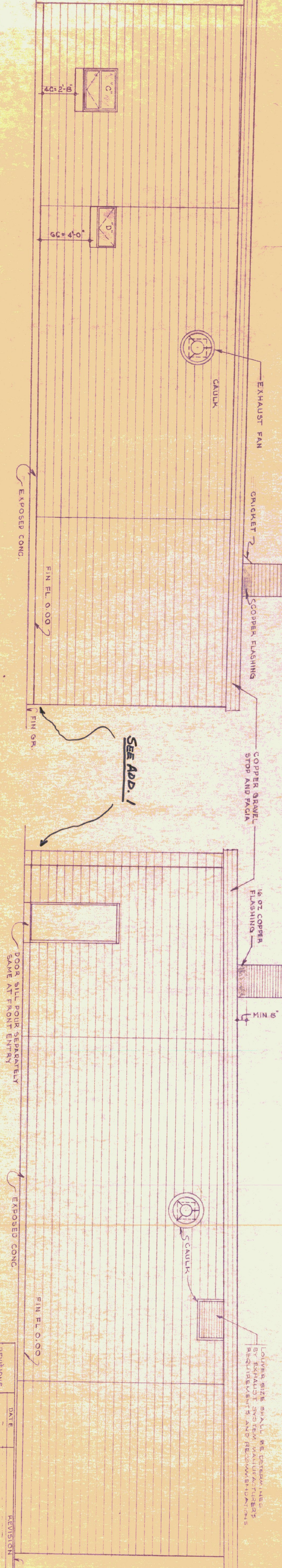
Standard Four Bay Highway Garage Bldg.
 FLOOR PLAN & FOUNDATION DETAILS
 SCALE: As noted



FRONT ELEVATION

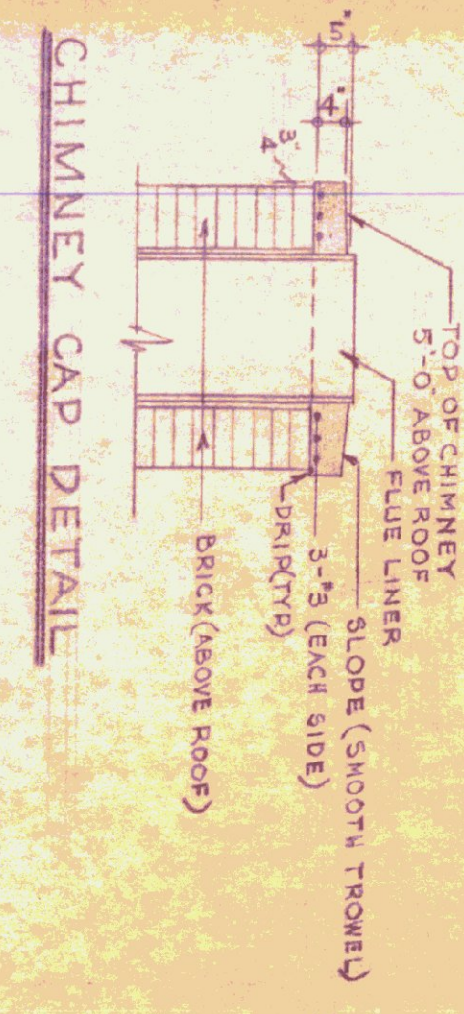


REAR ELEVATION

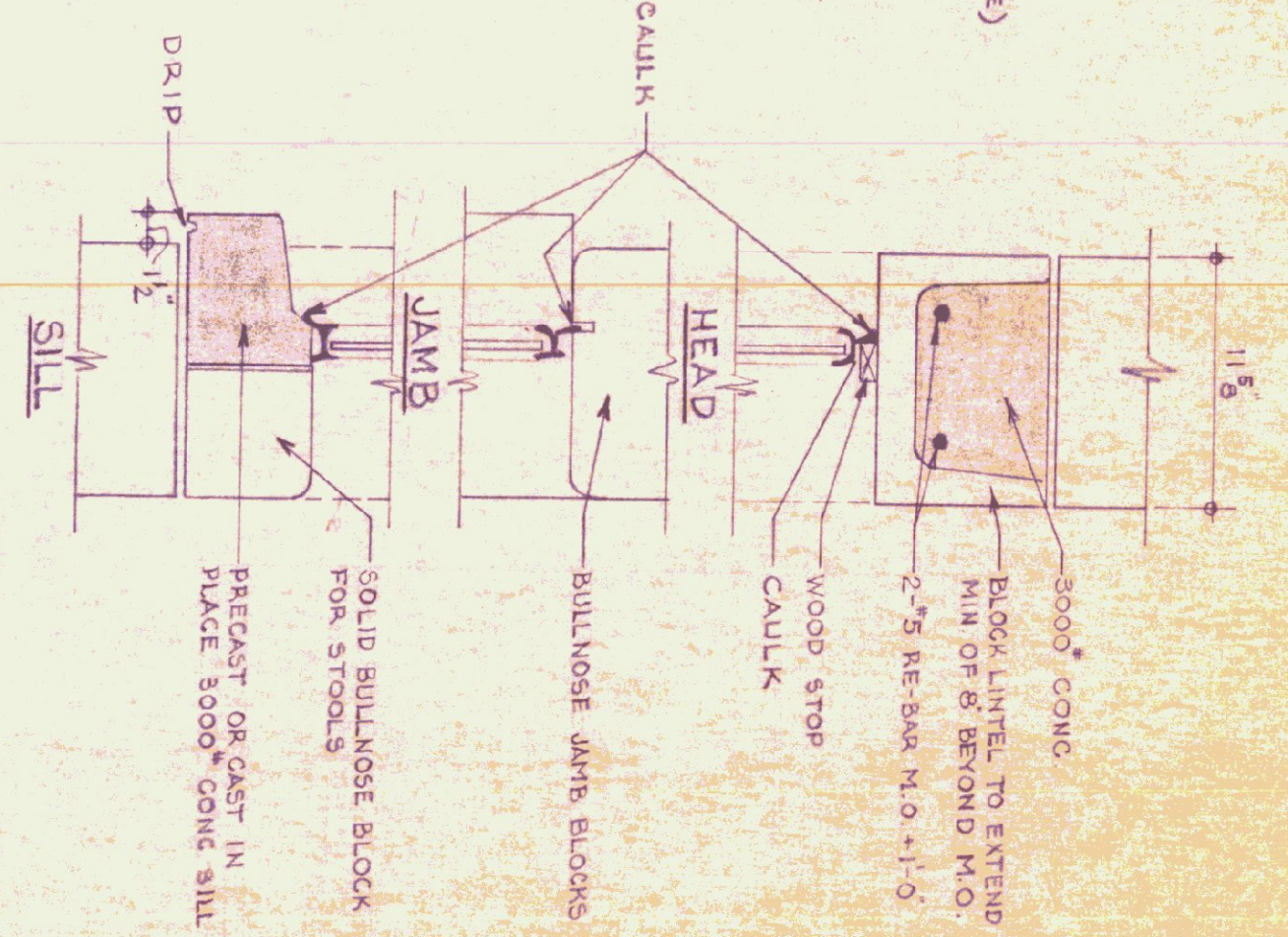


LEFT END ELEVATION

RIGHT END ELEVATION



CHIMNEY CAP DETAIL



SECTION D-D AT ALL 'A', 'C' & 'D' WINDOWS

SECTION SCALE 1/2" = 1'-0"

GENERAL NOTES

FINISH GRADE SHALL BE MIN. OF 6" BELOW FINISH FLOOR - AT BLDG ON RIGHT LEFT & REAR ELEVATIONS TO BE 5" BELOW FINISH GRADE AND GRADED IN A WORKMAN LIKE TO PROHIBIT WATER POCKETS OR BLEEDING.

ALL EXPOSED CONCRETE SHALL BE RUBBED TO 4" BELOW FINISH GRADE. BUILD CONTROL JOINTS AS PER SECTION 9-5 ON DWG #3.

CAULK ALL JOINTS BETWEEN MASONRY AND WOOD OR METAL.

LOUVER SIZE SHALL BE DETERM. BY EXHAUST SYSTEM MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS

REVISIONS	DATE	REVISION

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION

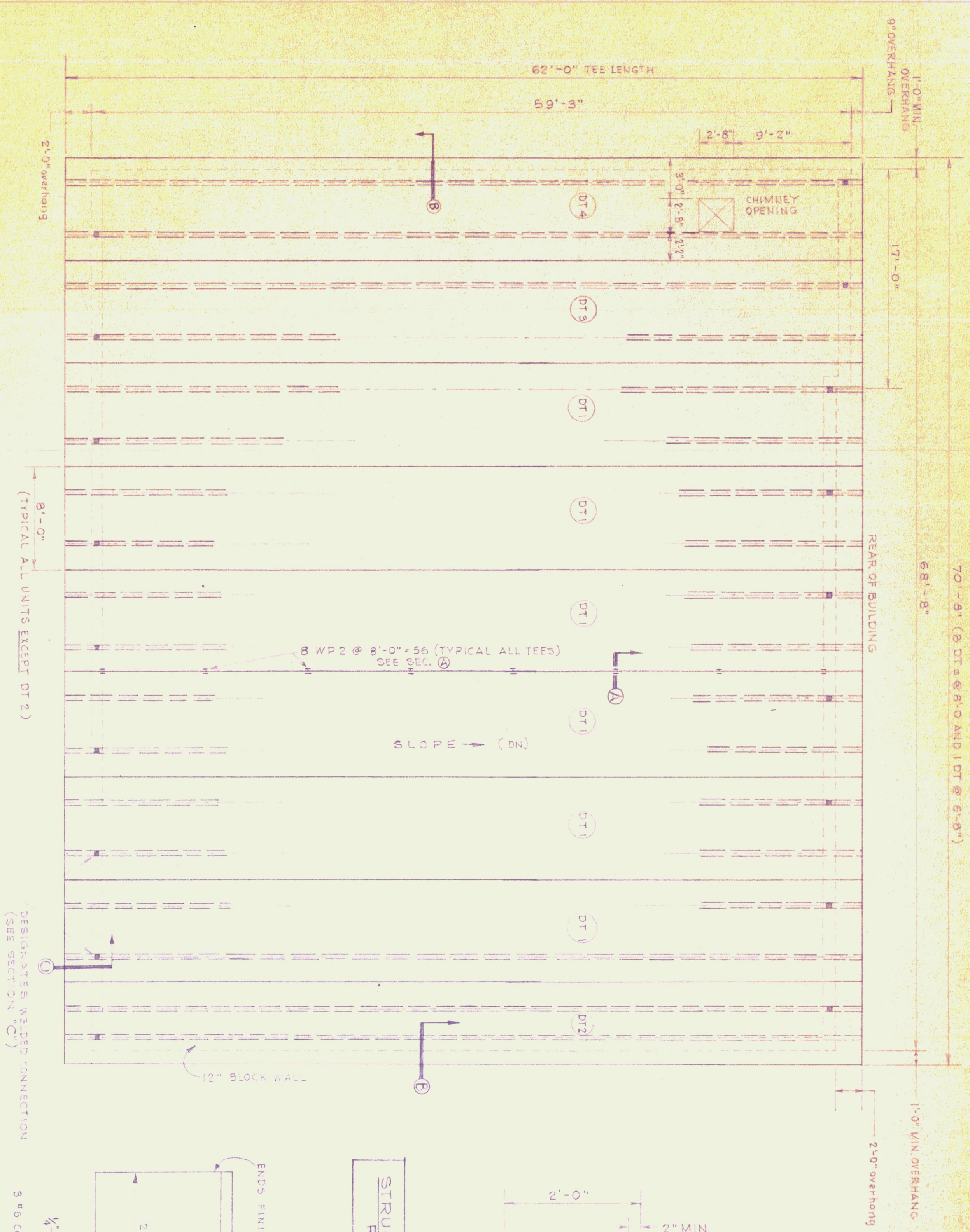
MONTPELIER, VERMONT

Standard Four Bay Highway Garage Bldg.
ELEVATIONS

SCALE: As Noted

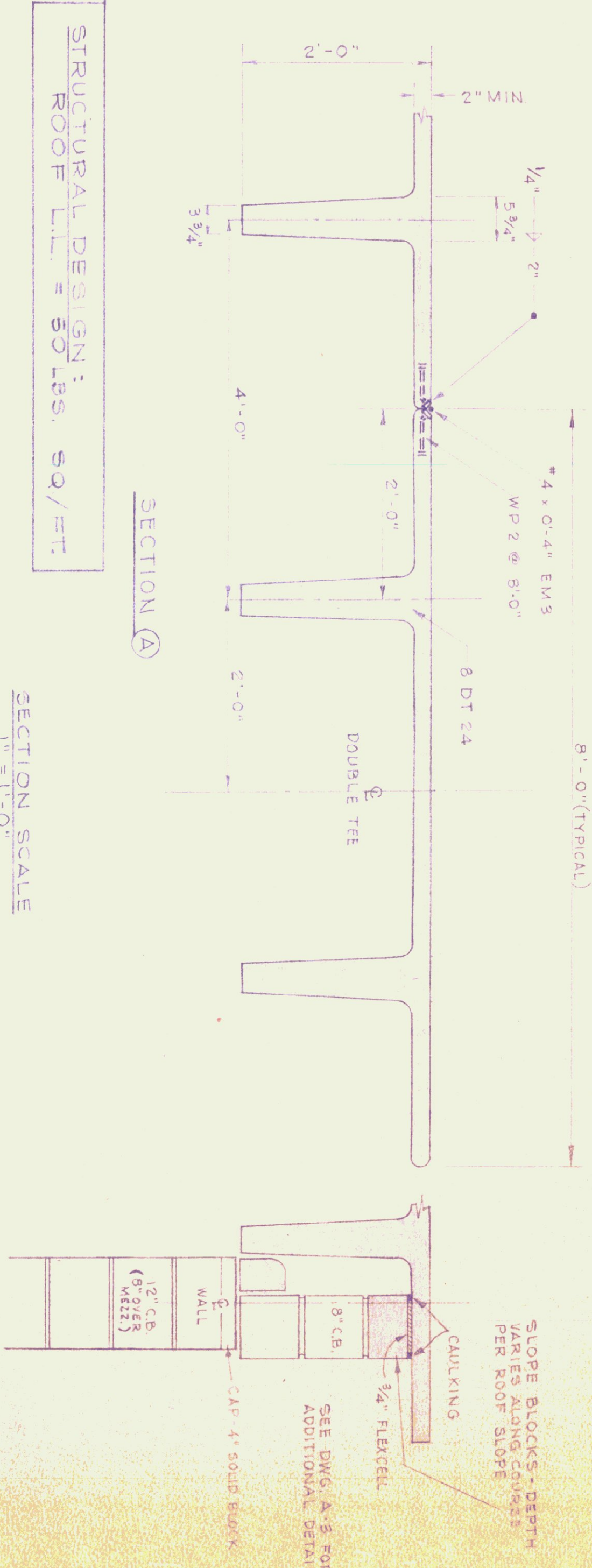
DATE: 10.18.74	DESIGNED BY:	DWG. NO. A2
DRAWN BY: STUDIO SEVEN INC.	APPROVED BY:	OF

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



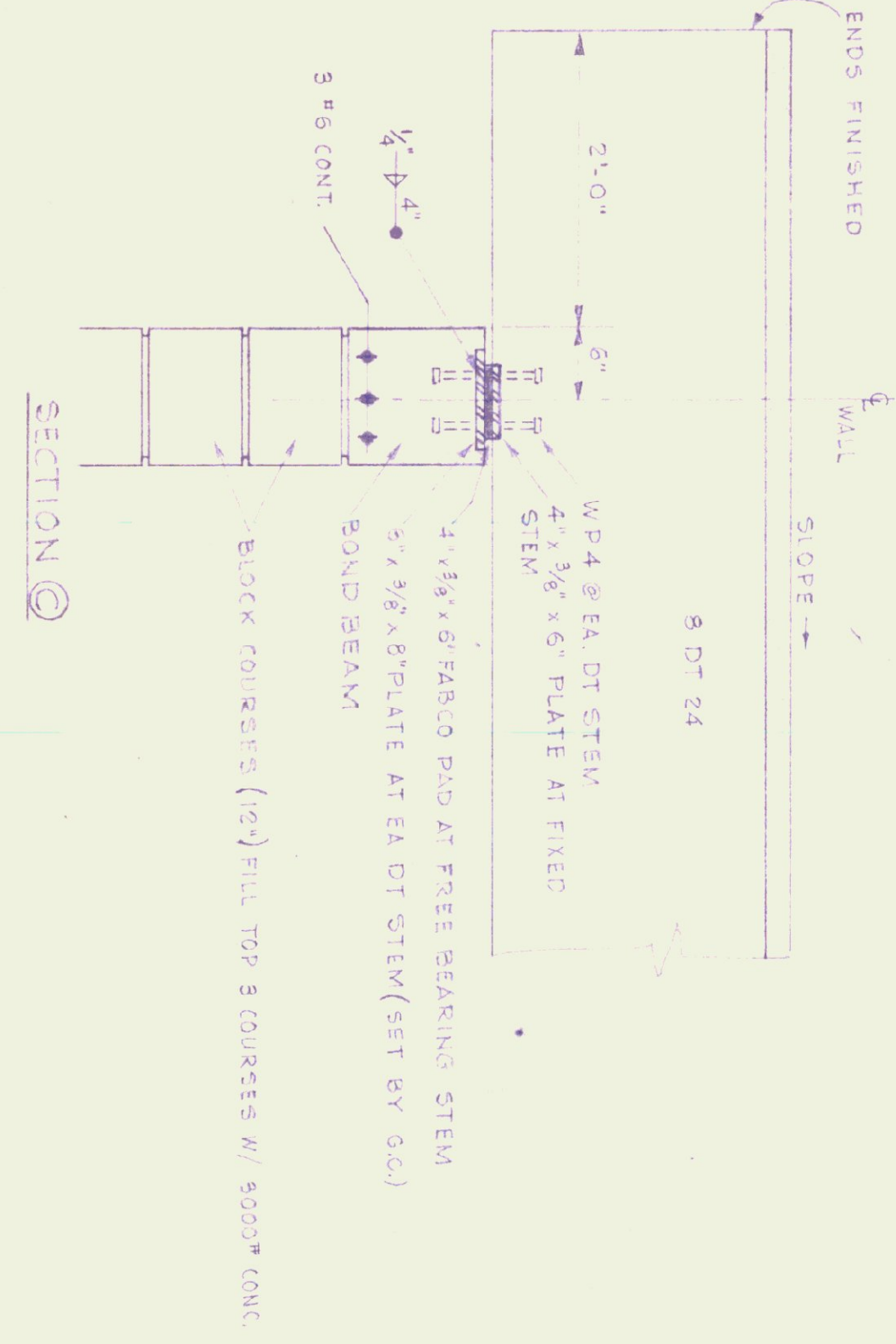
ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"

- GENERAL NOTES:
1. THE CONTRACTOR IS TO FURNISH SHOP DRAWINGS FOR APPROVAL BEFORE RELEASE FOR FABRICATION.
 2. THE CONTRACTOR SHALL FURNISH MANUFACTURERS ENGINEERS CERTIFICATE FOR COMPLIANCE WITH DESIGN LOADS.
 3. ALL EXPOSED PREFABRICATED DOUBLE TEE SLABS AND WEBS ARE NOT TO BE PAINTED, AND RUBBERED.
 4. ALL UTILITY PIPING ATTACHMENTS AND ANCHORS TO DOUBLE TEES ARE TO BE PLACED NOT LESS THAN 12" FROM BOTTOM OF WEB. THE CONTRACTOR SHALL NOT DRILL ANY HOLES THRU WEBS AT ANY TIME.
 5. ALL PRECAST DOUBLE TEES ARE TO BE WELDED IN PLACE DURING INSTALLATION.
 6. CONCRETE: 5000 P.S.I. @ 28 DAYS (MIN.)



STRUCTURAL DESIGN:
ROOF L.L. = 50 LBS. SQ./FT.

SECTION SCALE
1" = 1'-0"



NOTE: FOR BEARING WALL
DETAILS SEE DWG. A-3.

REV.	DATE	REVISION

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

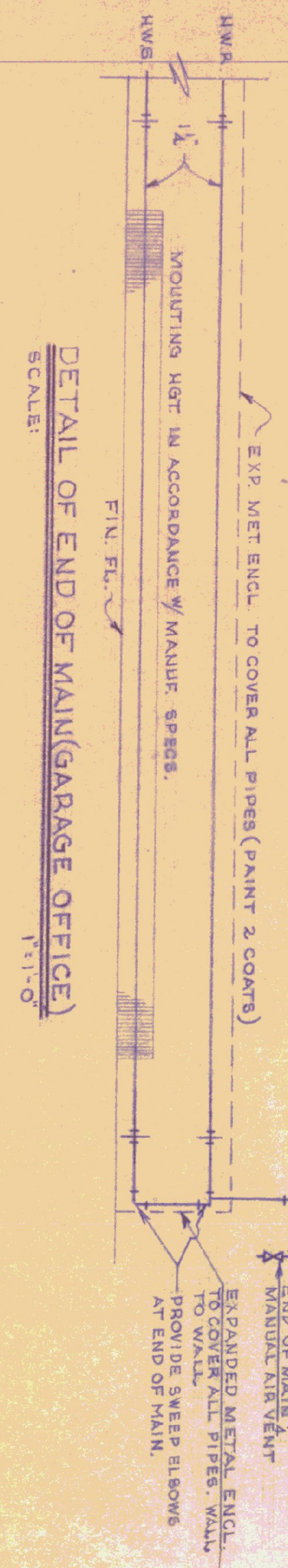
STANDARD
3 BAY HIGHWAY GARAGE BUILDING
ROOF FRAMING PLAN
& DETAILS

DATE: AUG 4, '75	DESIGNED BY: T.J.S.	DWG. NO. A-5
DRAWN BY: S.H. MILLER	APPROVED BY: <i>S.H. Miller</i>	5 OF 5

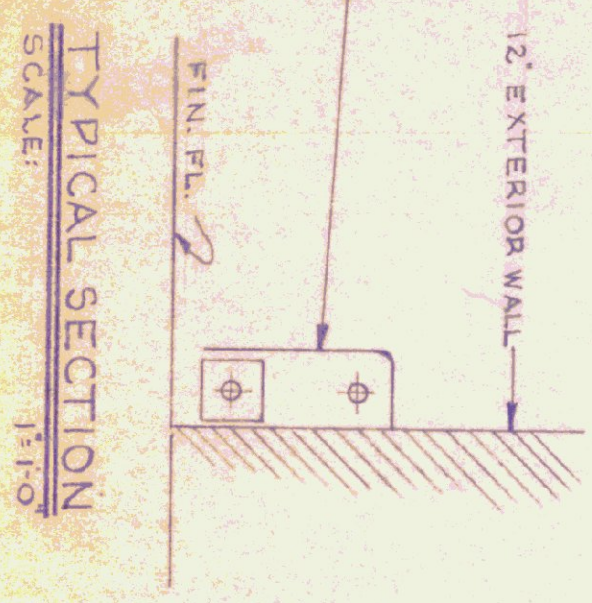
CARAGE DRAIN-TRENCH
 SEE DWG. H-2
 SEE SPEC.



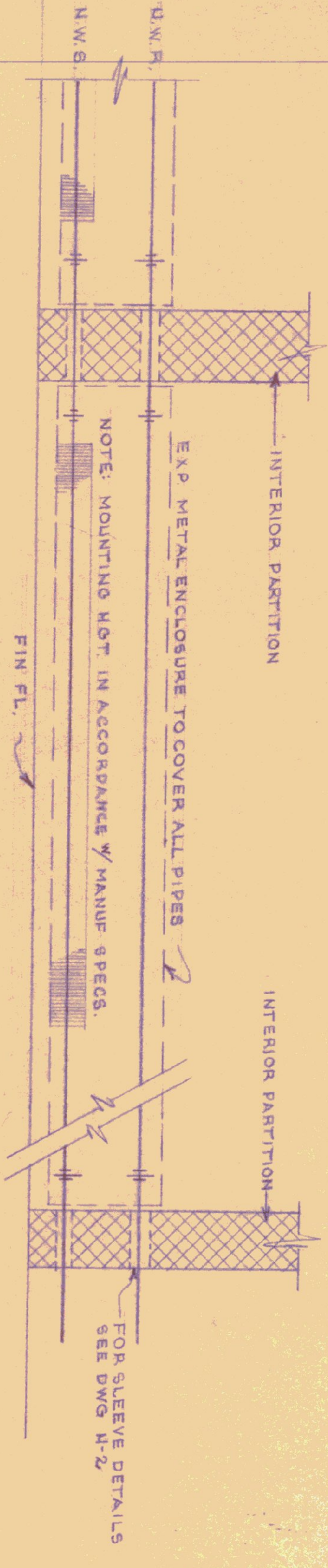
HEATING PLAN
 (5 BAY)
 SCALE: 3/8"=1'-0"



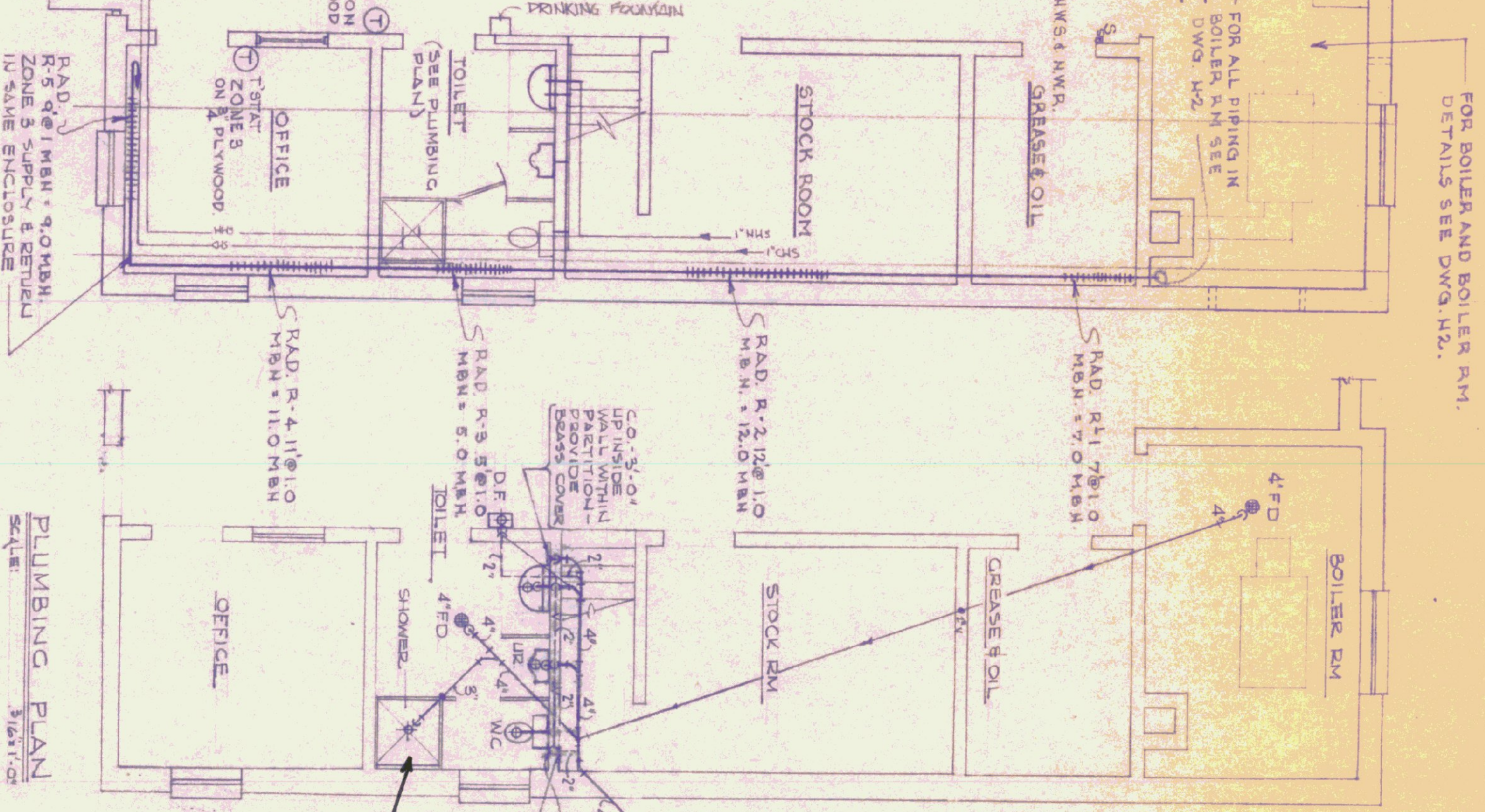
DETAIL OF END OF MAIN (GARAGE OFFICE)
 SCALE: 1 1/2"=0'



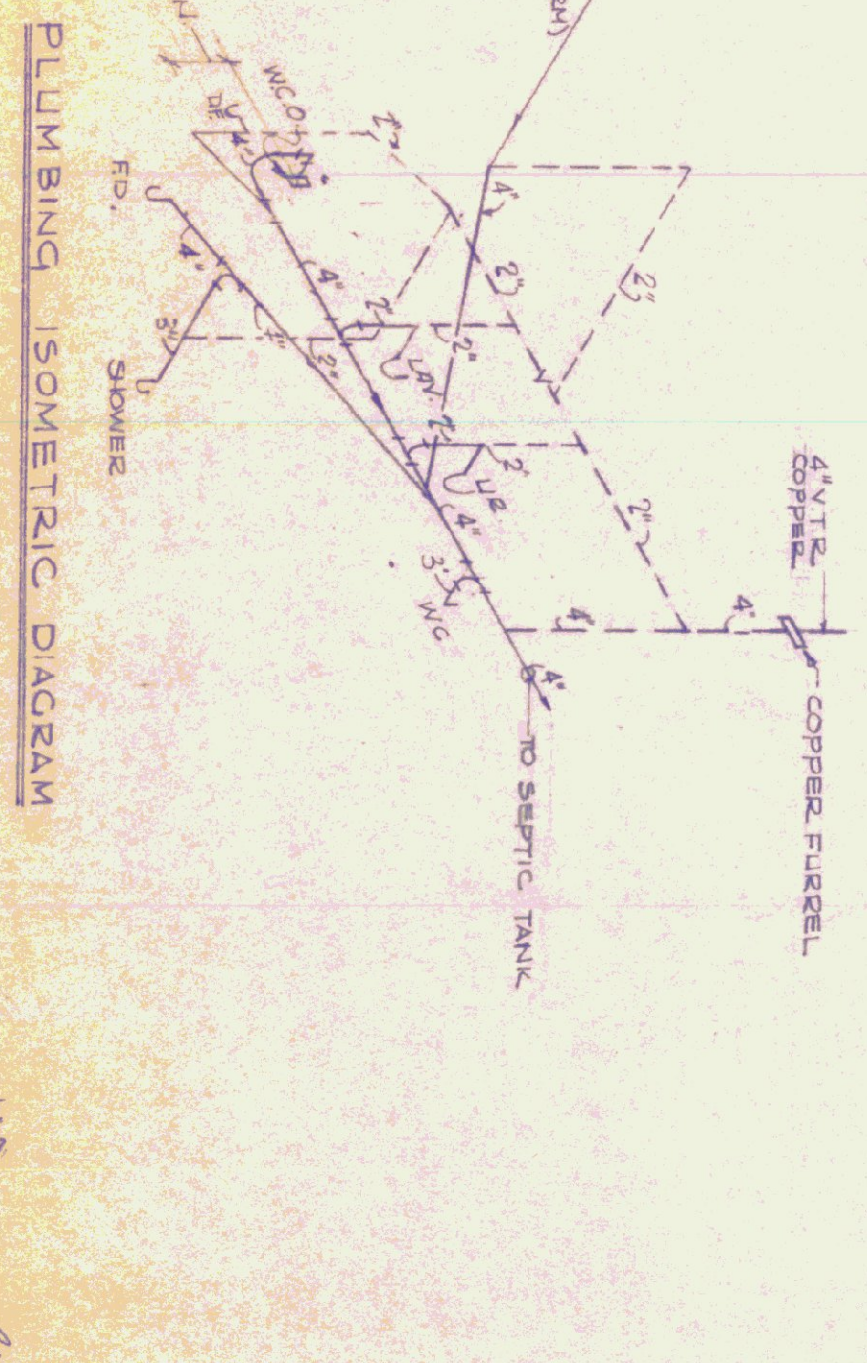
TYPICAL SECTION
 SCALE: 1 1/2"=0'



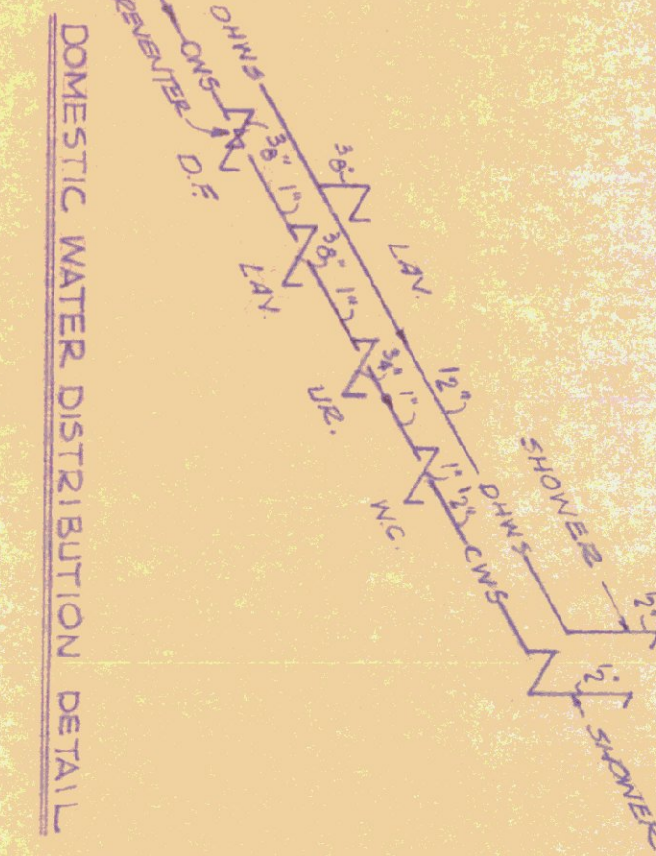
TYPICAL BASEBOARD RADIATION PIPING
 SCALE: 1 1/2"=0'



PLUMBING PLAN
 SCALE: 3/8"=1'-0"



PLUMBING ISOMETRIC DIAGRAM
 SCALE: 1 1/2"=0'



DOMESTIC WATER DISTRIBUTION DETAIL
 SCALE: 1 1/2"=0'

SEE DRAWING H-2 FOR SCHEDULE & GENERAL NOTES

- LEGEND**
- H.W.S. _____
 - H.W.R. _____
 - 5/8" BURGER SAFETY SWITCH (QTD @ 50000 STEEL)
 - 3/4" T STAYS
 - 1/2" PIPE SUPPLY TO BOTTOM & RETURN TO TOP
 - 40.
 - 4" GATE VALVE
 - 2" CHECK VALVE
 - 2" BALANCING COCK
 - 2" FLOW CONTROL VALVE
 - 1" UNION
 - 1" FUSIBLE LEVER-HYDRAULIC VALVE
 - 1" STEAMER
 - 1" DRY - ALL BRONZE
 - 1" BKK FLOW RESTRICTOR

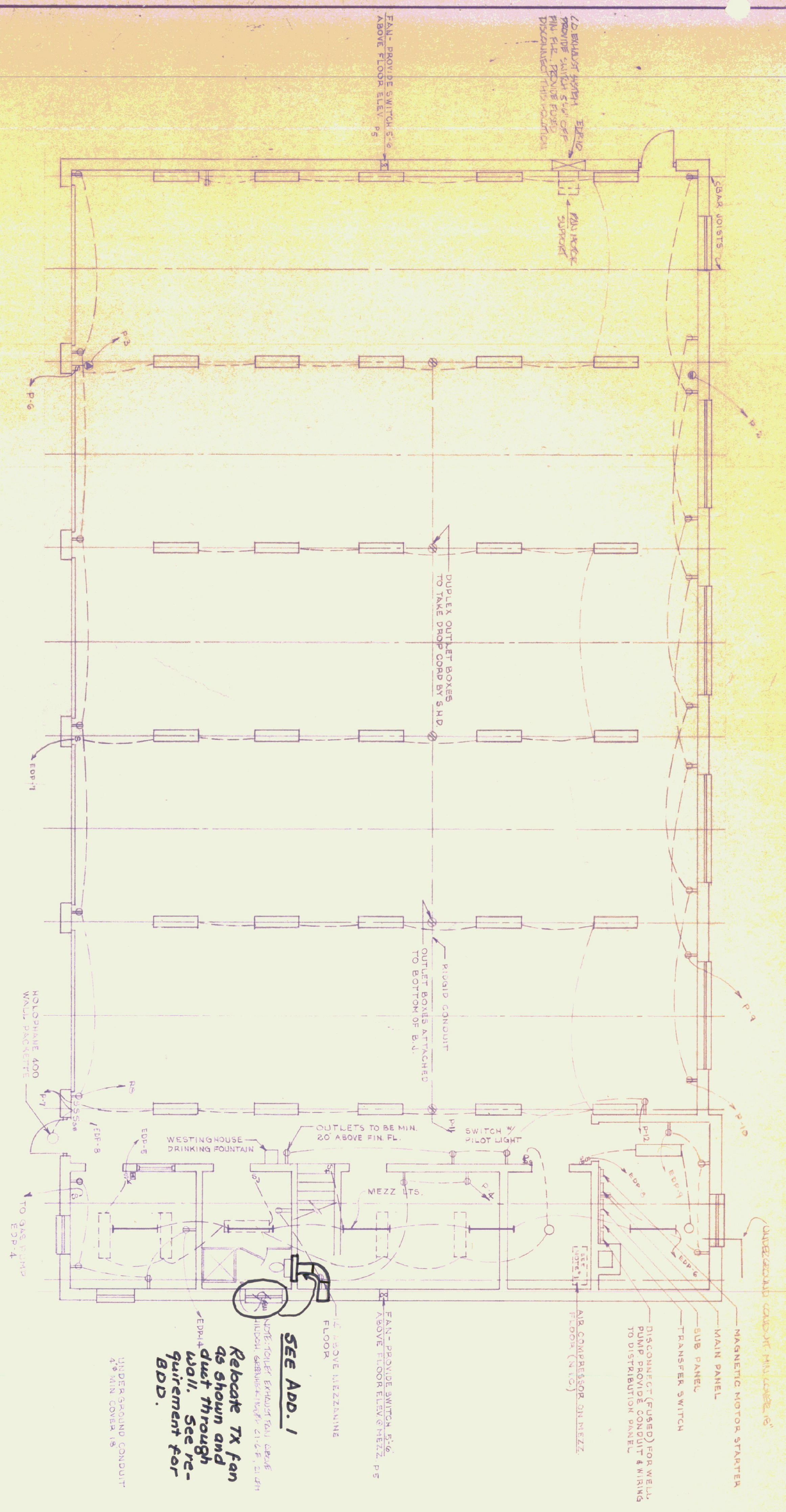
REVISIONS	DATE	REVISION

STATE OF VERMONT
 DIVISION OF STATE BUILDINGS
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

Standard Five Bay Highway Garage Bldg.
 HEATING PLAN

SCALE: As noted

DATE: 10-18-74
 DESIGNED BY: CUS MASTRO
 DRAWN BY: [Signature]
 APPROVED BY: [Signature]
 STUDIO NUMBER: 1 OF 1



ELECTRICAL PLAN
(5 BAY)
SCALE: 3/4"=1'-0"

POWER PANEL SCHEDULE

PANEL	CIRCUIT BREAKERS	AMP	POLE	EQUIPMENT SERVED	U.P.	REMARKS
P-1	100	2	2	EMERGENCY DIST. PANEL		
P-2	100	2	2	WELDING RECEPTACLE		
P-3	100	2	2	TOILET & STOR. RM. RECEPT.		
P-4	20	1	1	BLDG. EXHAUST		
P-5	20	1	1	SHOP LIGHTING		
P-6	20	1	1	40		
P-7	20	1	1	SHOP RECEPTACLES (FRY)		
P-8	20	1	1	SHOP RECEPTS (REAR)		
P-9	20	1	1	40		
P-10	20	1	1	MID BAY RECEPT @ 15 FT.		
P-11	20	1	1	SHOP RECEPTS		
P-12	20	1	1	CIRCUIT PUMP (ZONE 2)	4	
P-13	20	1	1	OFFICE RECEPTACLES		
P-14	30	2	2	SPACES		
P-17	20	1	1	SPACES		

EMERGENCY DISTRIBUTION PANEL SCHEDULE

PANEL	CIRCUIT BREAKERS	AMP	POLE	EQUIPMENT SERVED	U.P.	REMARKS
EDP-1	40	2	2	AIR COMPRESSOR		
EDP-2	20	1	1	BURNER	1/2	
EDP-3	20	2	2	WELL PUMP	1	
EDP-4	20	1	1	GAS PUMP		
EDP-5	20	1	1	OFFICE LIGHTING		
EDP-6	20	1	1	MEZZ LIGHTING		
EDP-7	20	1	1	SHOP LIGHTING (MIDDLE BAY)		
EDP-8	20	1	1	BOILER ROOM LIGHTING		
EDP-9	20	1	1	BOILER ROOM RECEPTS		
EDP-10	20	2	2	VEHICULAR EXH. FAN	2	
EDP-11	20	1	1	HUN. 1, 2, 3		
EDP-12	20	1	1	CIRCUIT PUMP ZONE 1	3	
EDP-13	20	1	1	CIRCUIT PUMP ZONE 3	2	
EDP-14	20	1	1	OFFICE RECEPTACLES		
EDP-15	20	1	1	SPACES		

SEE ADD. 1
Rebate TX fan as shown and duct through wall. See requirement for BDD.

GENERAL NOTES

- 1. SWITCHGEAR "TECU" 30-TEC-2-40S (MOUNT ON BOTTOM OF JOISTS)
- 2. WESTINGHOUSE 1-TUBE RS STRIP 5 STOK (MOUNT BETWEEN JOISTS)
- 3. SWITCHCRAFT POKUNAIRE 6-DMA-2-40 (SURFACE MOUNT TO CEILING)
- 4. THERMOSTAT - CONNECT TO CIRCUIT 12 AMP TO SUB-PANEL CIRCUIT 4 MOUNT ON PLYWOOD 5'-6" OFF FLOOR (GREEN)
- 5. 100 AMP WELDER OUTLET
- 6. ALLOW FOR TELEPHONE SLEEVE THRU EXTERIOR WALL COORDINATE WITH LOCAL TELEPHONE CO.
- 7. ALL WALL OUTLETS OF OFFICE & ROOM SPACES SHALL BE AT LEAST 56" OFF FLOOR (IN BOILER RM. REPT. OUTLETS MIN 5'-0" ABOVE FL.)
- 8. S_{AB} BURNER SAFETY SWITCH-MOUNT 6'-0" ABOVE FIRE FL.
- 9. ALL ELECTRICAL CONDUIT FOR OFFICE TOILET TOOL RM. AND GREASE RM. DELIVS. SHALL BE CONCEALED IN THE CONCRETE WALL RECEPTACLES AND CONDUIT BELOW BOTTOM OF BAR JOISTS SHALL BE CONCEALED.

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

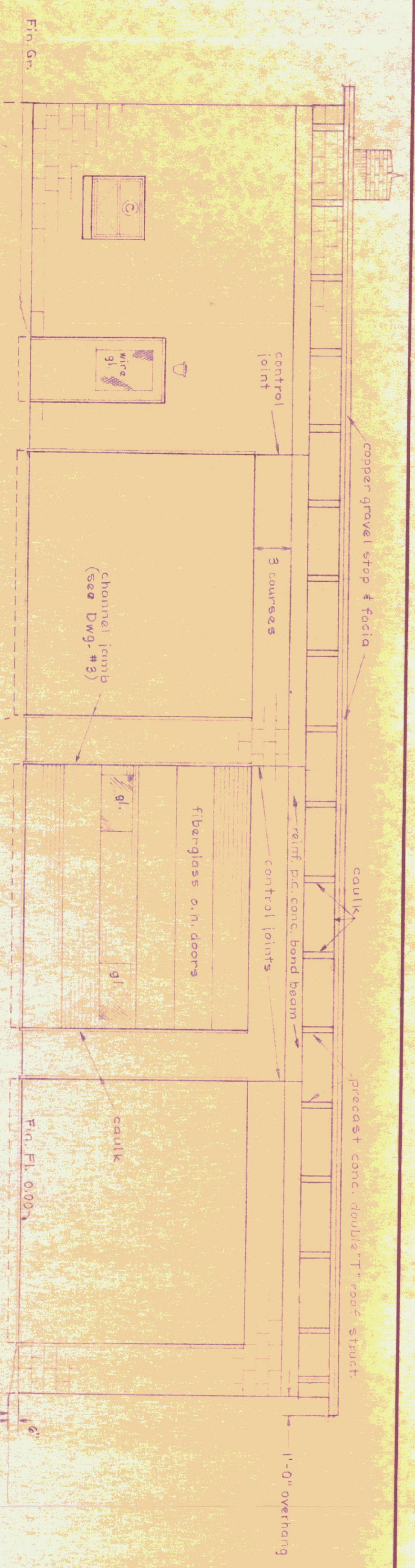
Standard Five Bay Highway Garage Bldg.
ELECTRICAL PLAN

SCALE: As noted

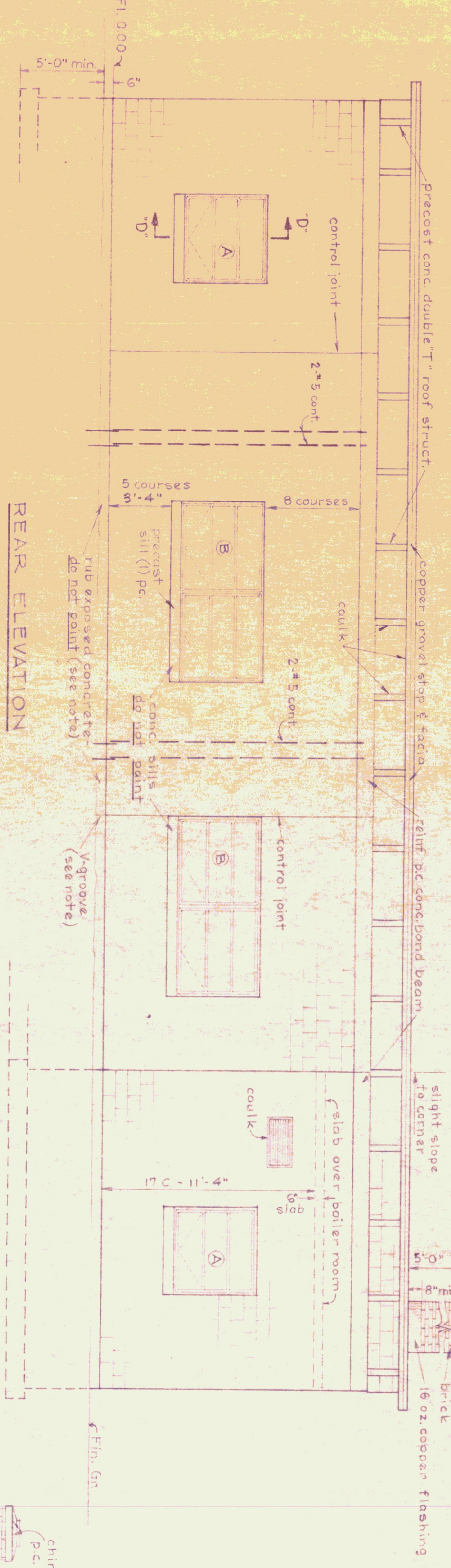
DATE: 10-18-74
DESIGNED BY: CJS MASTRO
DRAWN BY: [Signature]
APPROVED BY: [Signature]

DWG. NO. E-1

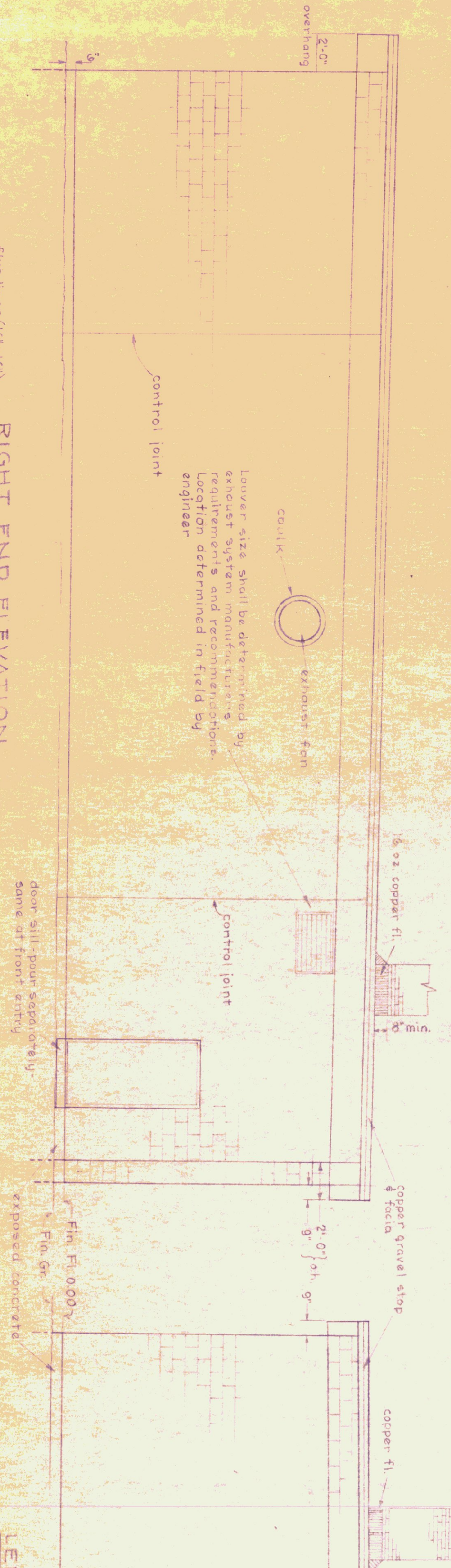
REVISIONS	DATE	REVISION
1	10-18-74	ISSUE FOR CONSTRUCTION



FRONT ELEVATION



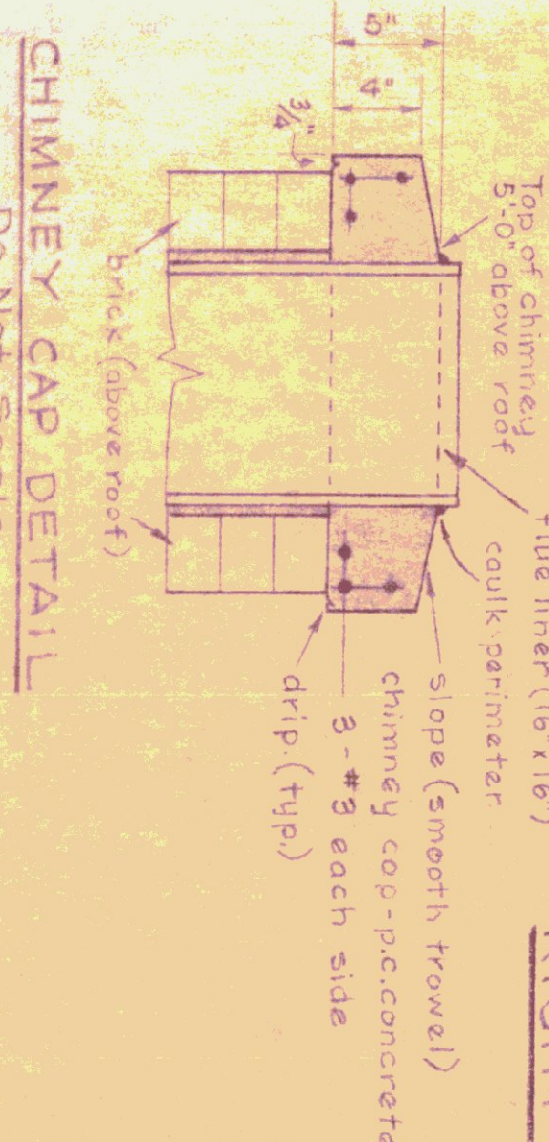
REAR ELEVATION



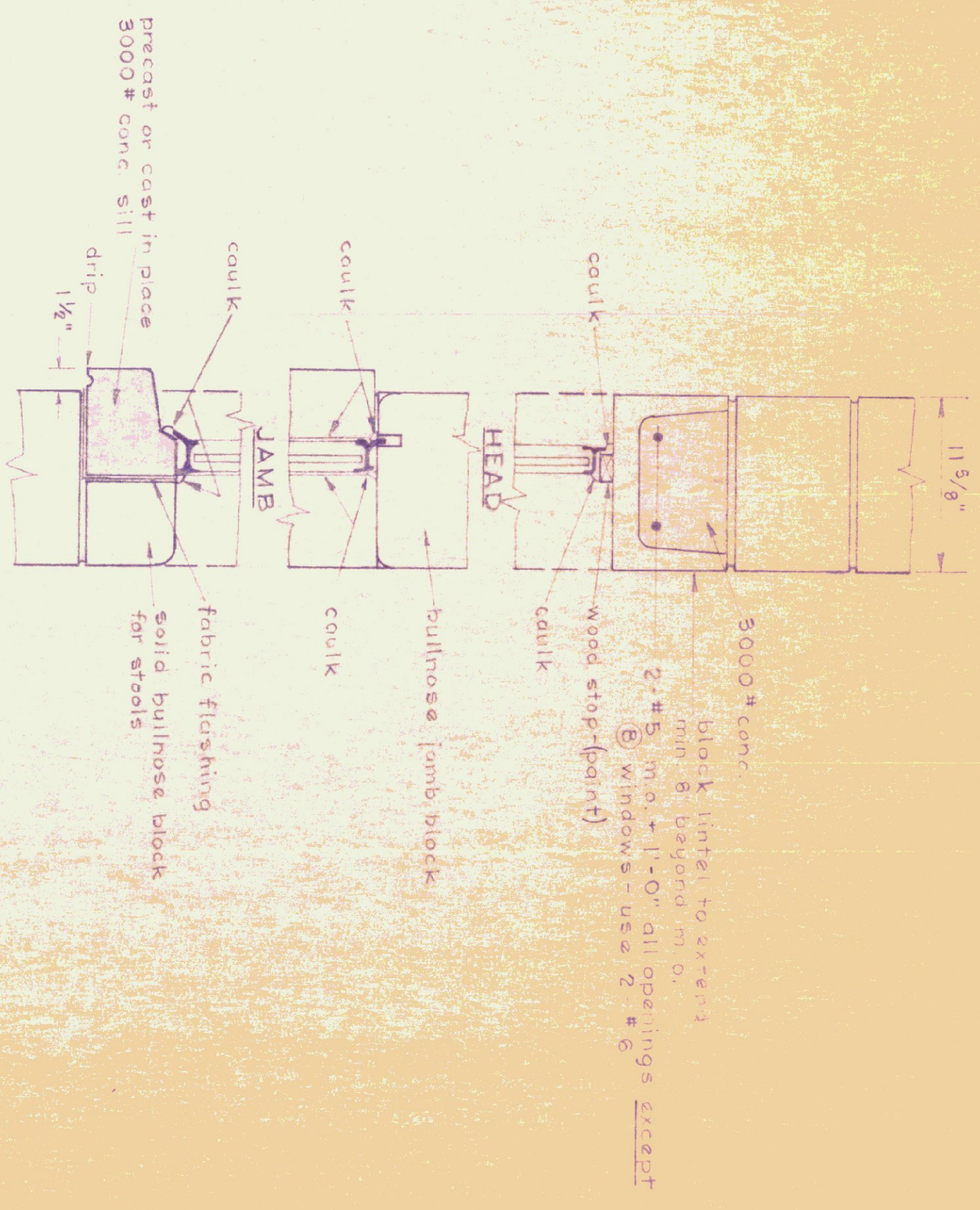
RIGHT END ELEVATION



LEFT END ELEVATION



CHIMNEY CAP DETAIL
Do Not Scale



SECTION D-D
AT ALL WINDOW SILL
SCALE: 1/2" = 1'-0"

- GENERAL NOTES:**
1. Finish grade shall be min. of 6" below finish & frost at building on right, left and rear elevations and sloped away from building and graded in a workmanlike manner to prohibit water pockets or excessive washing.
 2. All exposed concrete shall be rubbed to 4" below finish grade.
 3. Concrete under construction joints shall have a V-groove to 4" below finish grade.
 4. Build control joints as per Section J-J on Dwg. A-3.
 5. Caulk all joints between masonry and wood or metal.

INITIALS	DATE	REVISIONS

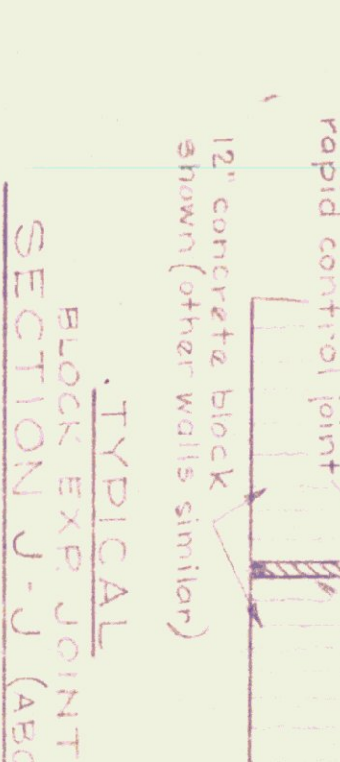
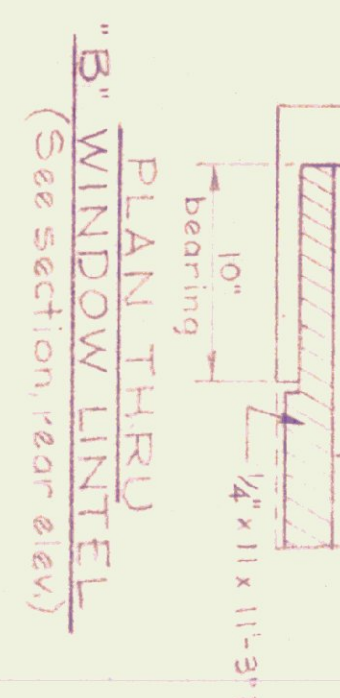
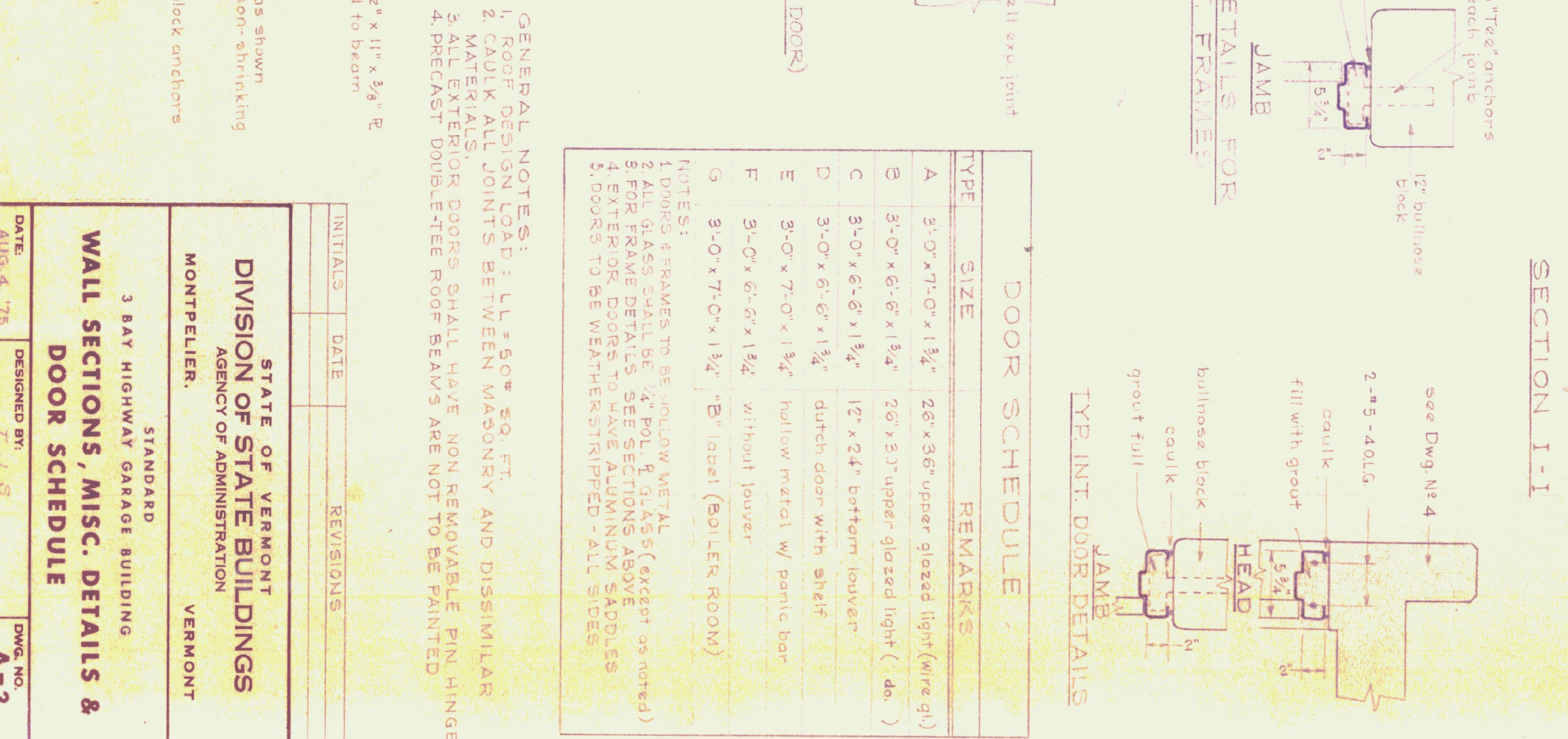
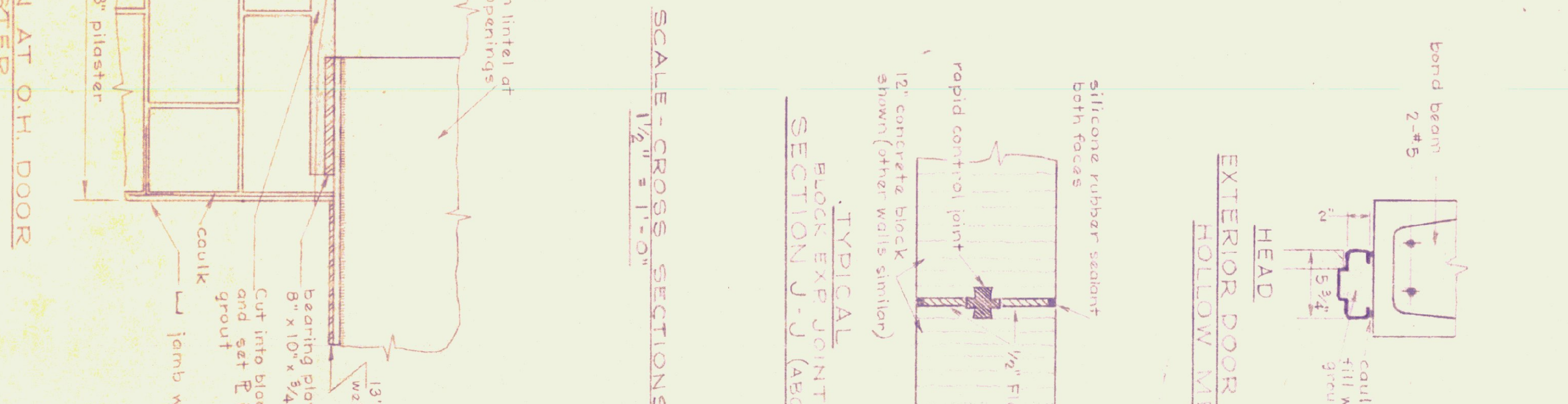
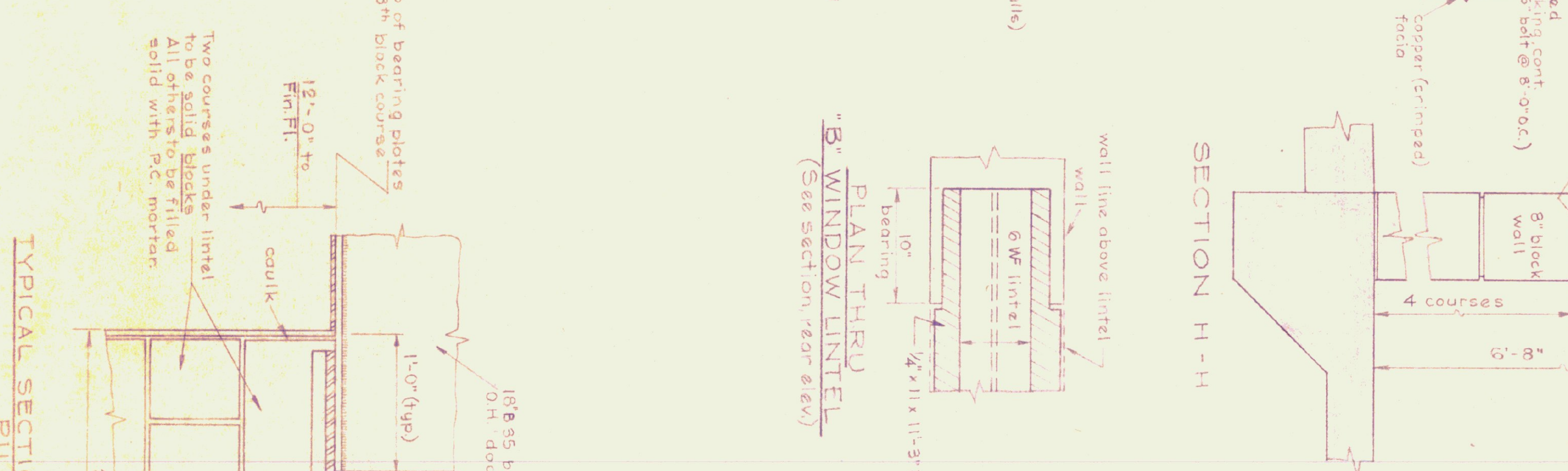
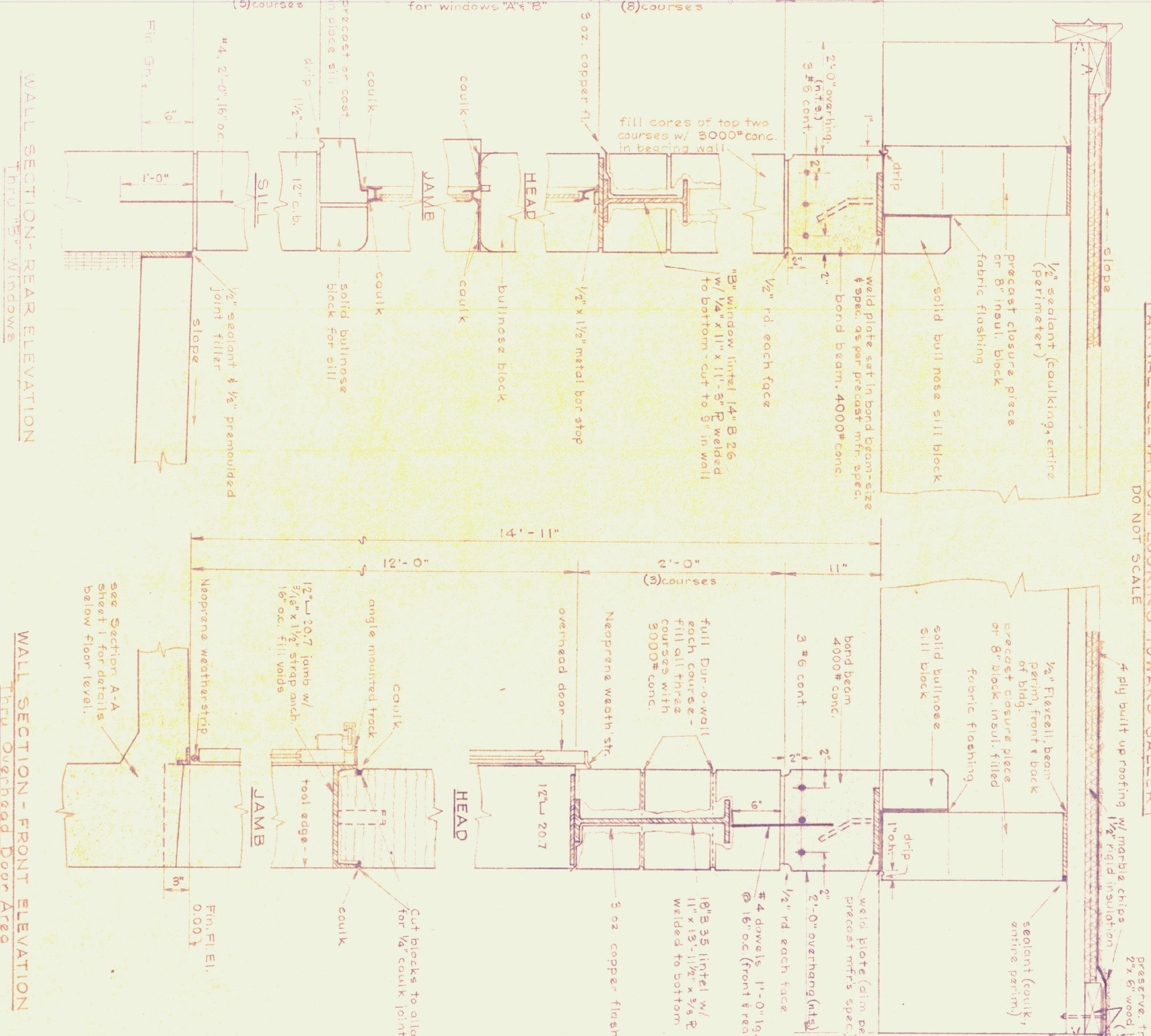
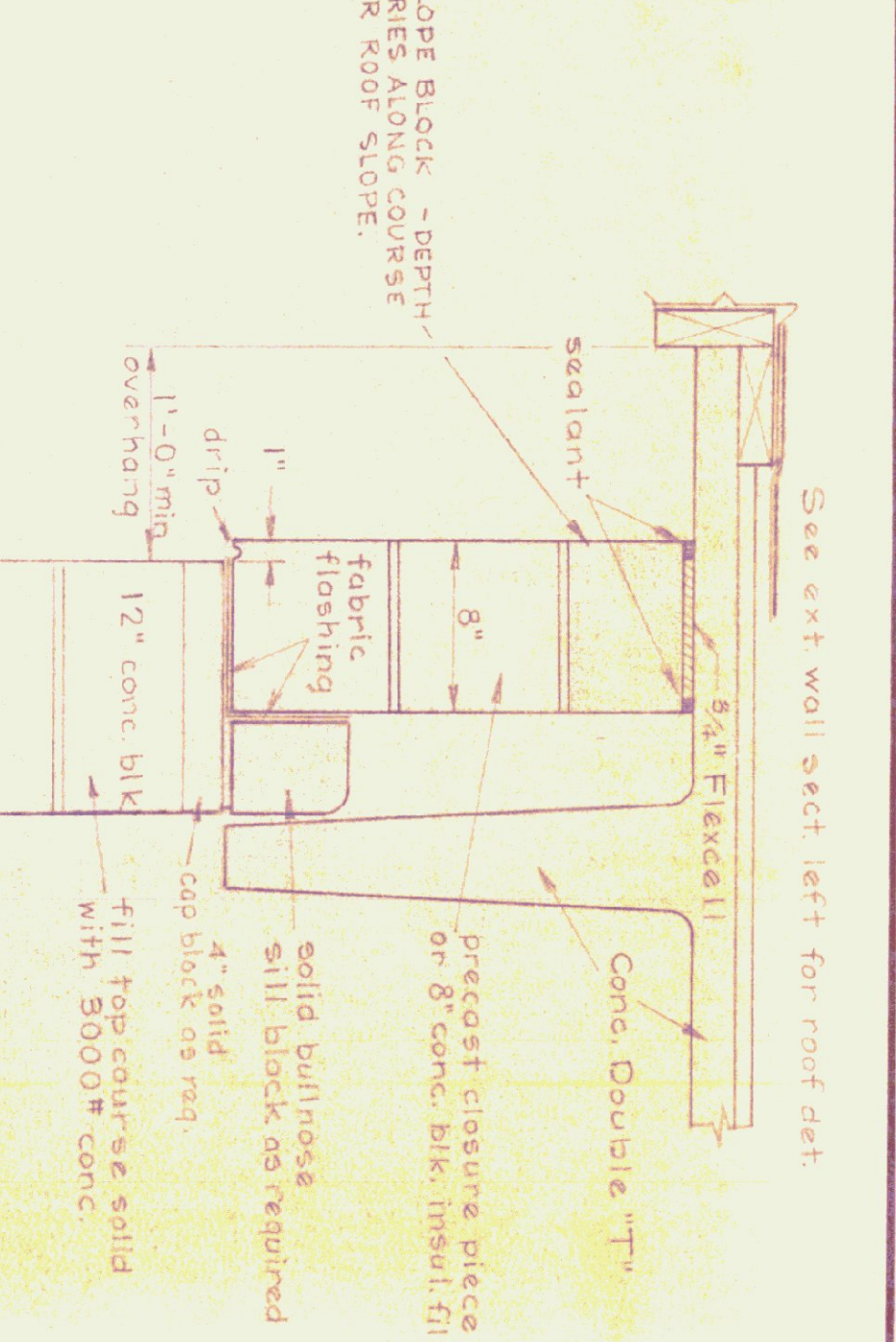
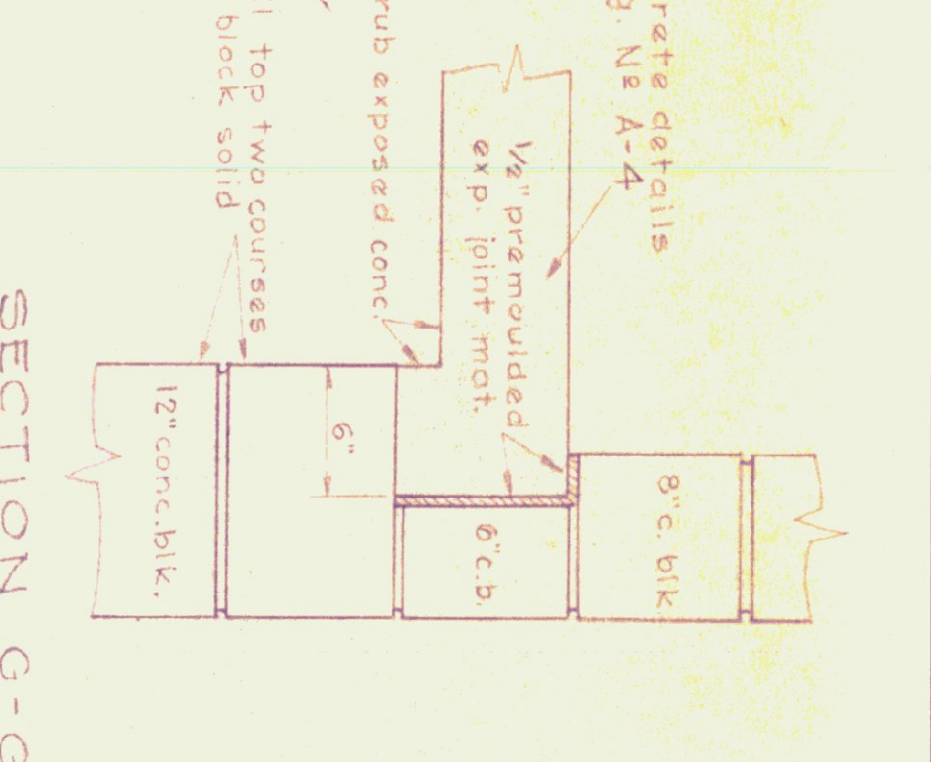
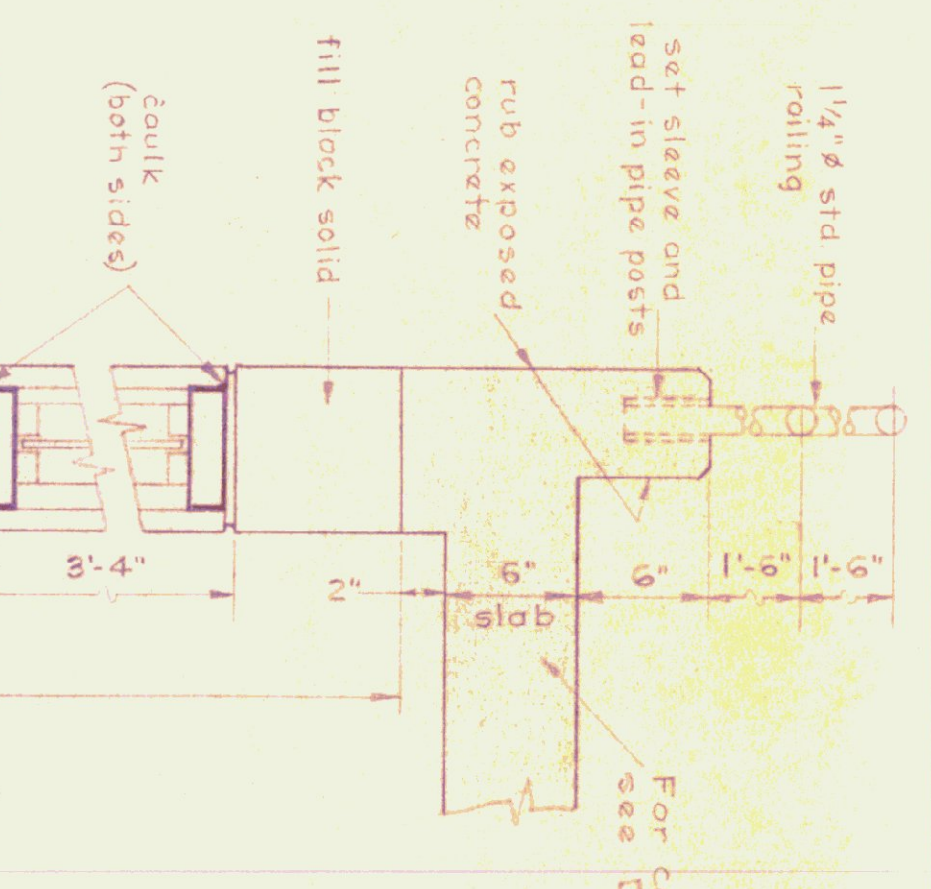
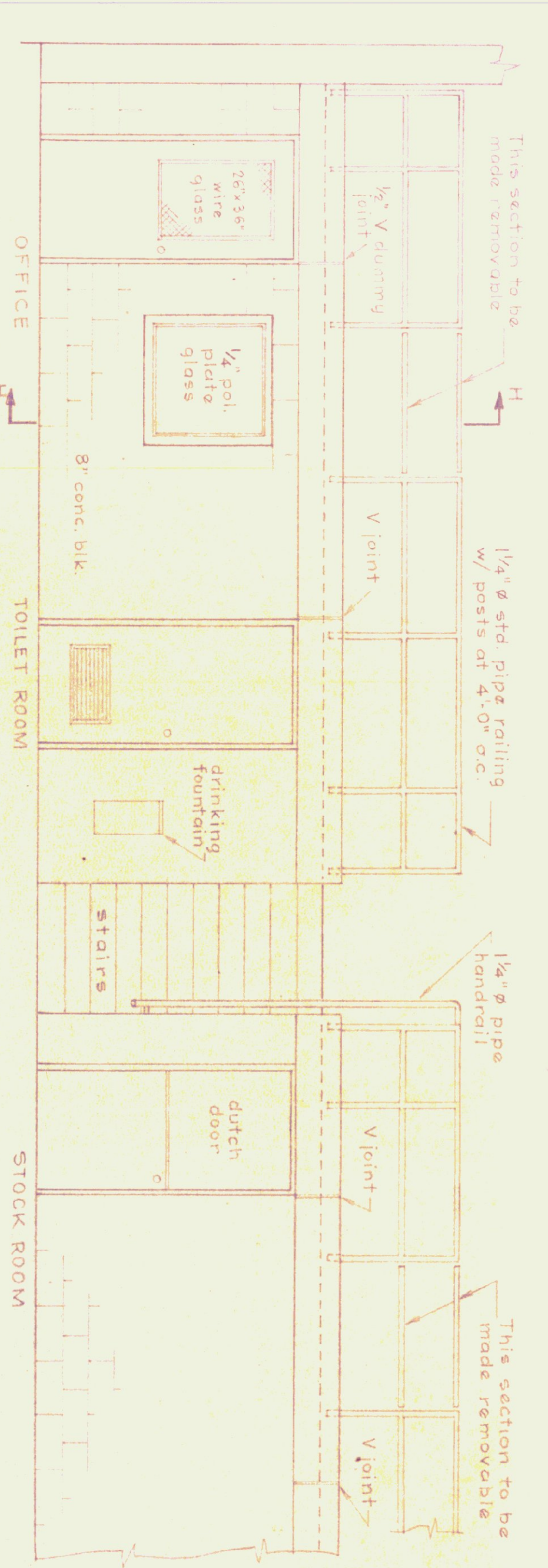
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION

MONTPELIER, VERMONT

STANDARD
3 BAY HIGHWAY GARAGE BUILDING
ELEVATIONS

DATE	DESIGNED BY:	DMG. NO.
AUG. 4, 195	J. S.	A-2

DRAWN BY:	APPROVED BY:	2 OF 5
C.H. MILLER		



SCALE - CROSS SECTIONS:
1/2" = 1'-0"

- GENERAL NOTES:
1. ROOF DESIGN LOAD: LL = 50# SQ. FT.
2. CAULK ALL JOINTS BETWEEN MASONRY AND DISSIMILAR MATERIALS.
3. ALL EXTERIOR DOORS SHALL HAVE NON REMOVABLE PIN HINGES.
4. PRECAST DOUBLE-TREE ROOF BEAMS ARE NOT TO BE PAINTED.

INITIALS	DATE	REVISIONS

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELLIER, VERMONT

STANDARD
3 BAY HIGHWAY GARAGE BUILDING
WALL SECTIONS, MISC. DETAILS &
DOOR SCHEDULE
DESIGNED BY: T.J.S.
DRAWN BY: S.H.MILLER
APPROVED BY: S.H.MILLER
DWG. NO. A-3
3 OF 5

TYPE	SIZE	REMARKS
A	3'-0" x 7'-0" x 1 1/2"	26" x 36" upper glazed light (wire gr)
B	3'-0" x 6'-6" x 1 3/4"	26" x 33" upper glazed light (do.)
C	3'-0" x 6'-6" x 1 1/4"	12" x 24" bottom louver
D	3'-0" x 6'-6" x 1 1/4"	dutch door with shaft
E	3'-0" x 7'-0" x 1 3/4"	hollow metal w/ partic bar
F	3'-0" x 6'-6" x 1 3/4"	without louver
G	3'-0" x 7'-0" x 1 1/4"	"B" label (BOILER ROOM)

NOTES:
1. DOORS & FRAMES TO BE HOLLOW METAL
2. ALL GLASS SHALL BE 1/4" POL. & GLASS EXCEPT AS NOTED)
3. FOR FRAME DETAILS SEE SECTIONS ABOVE
4. EXTERIOR DOORS TO HAVE ALUMINUM SADDLES
5. DOORS TO BE WEATHERSTRIPPED - ALL SIDES