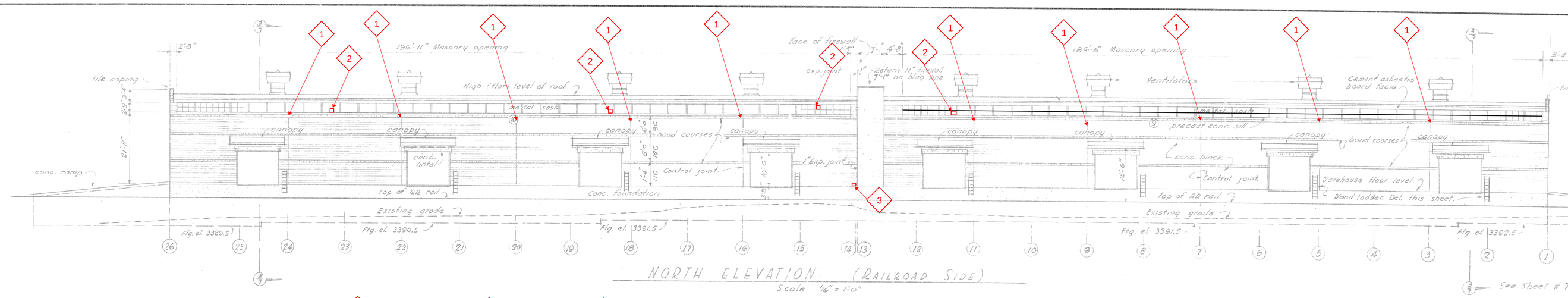
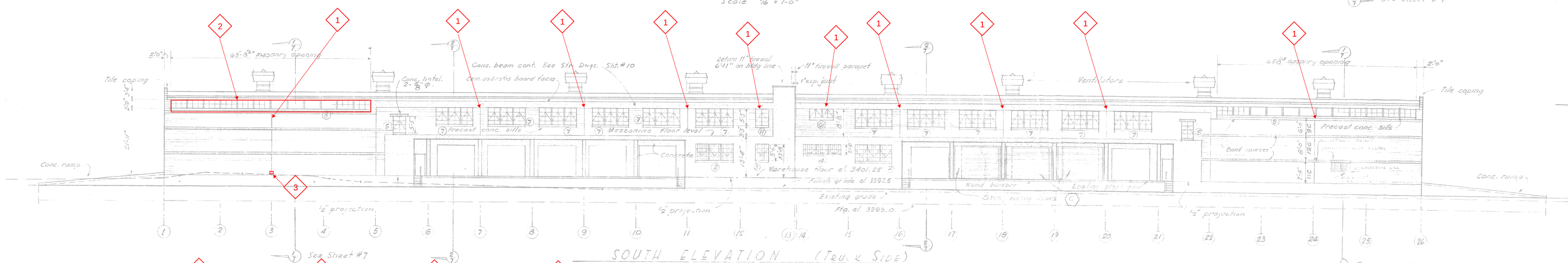
CORPS OF ENGINEERS

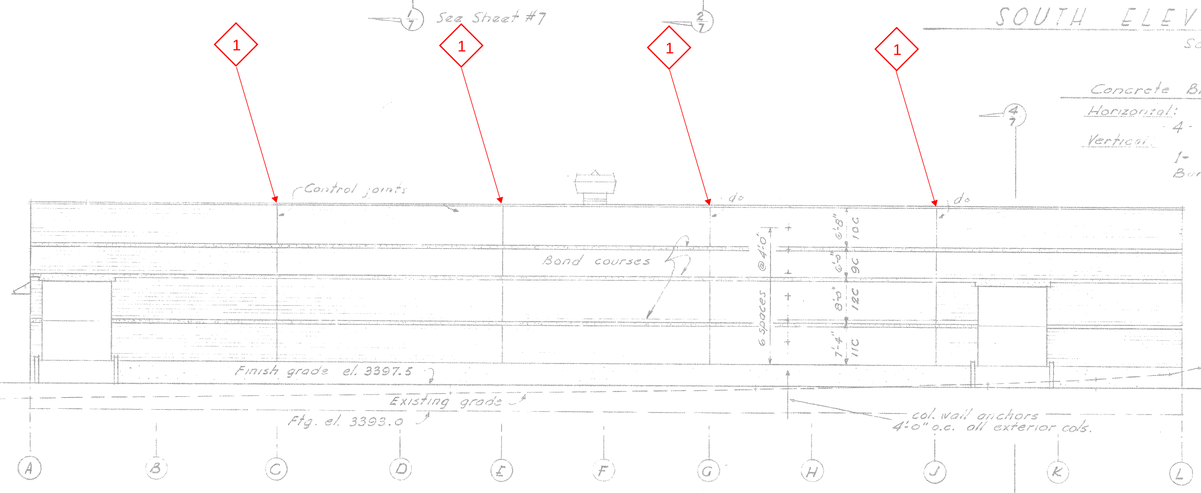
U. S. ARMY



NORTH ELEVATION (RAILROAD SIDE)
Scale 1/16" = 1'-0"



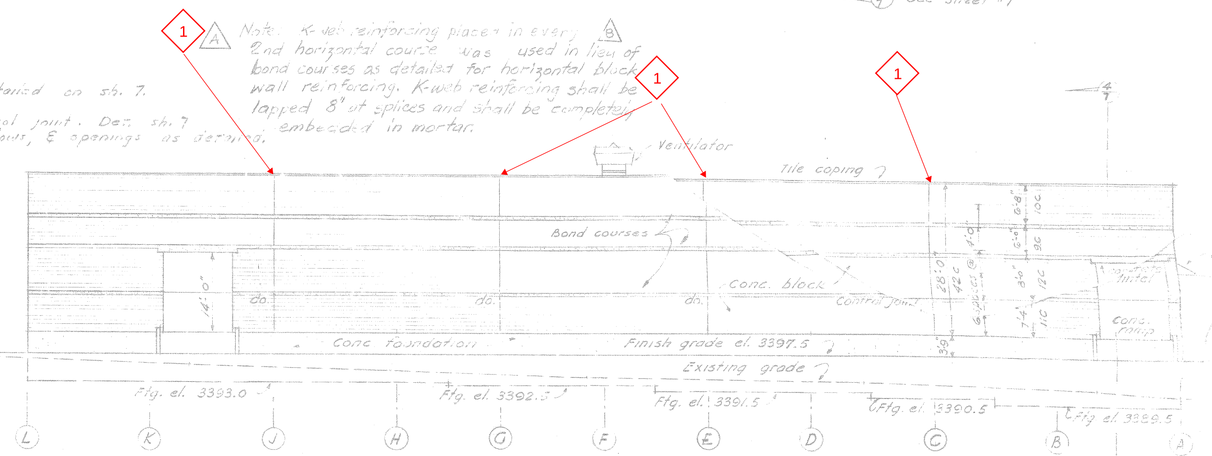
SOUTH ELEVATION (TRUCK SIDE)
Scale 1/16" = 1'-0"



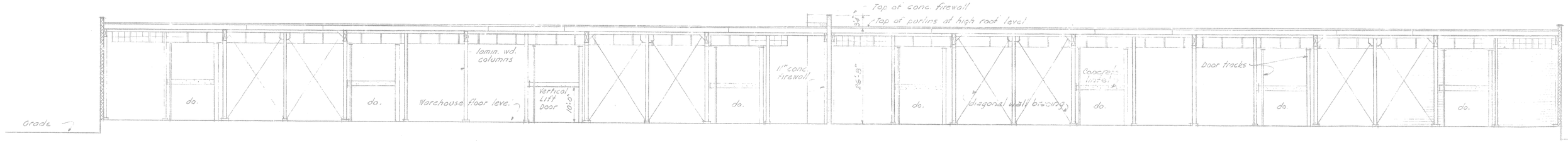
WEST END ELEVATION
Scale 1/16" = 1'-0"

Concrete Block Wall Reinforcing.
Horizontal:
4 - 5/8" Ø ea. bond course as detailed on sh. 7.
Vertical
1 - 5/8" Ø ea. side of ea. control joint. Det. sh. 7
Bars at corners, jcors, windows, & openings as detailed.

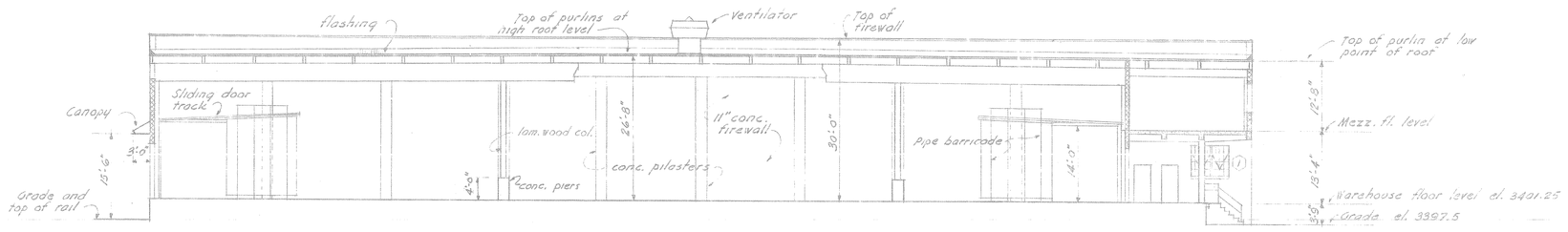
Note: K-wall reinforcing placed in every 2nd horizontal course was used in lieu of bond courses as detailed for horizontal block wall reinforcing. K-wall reinforcing shall be lapped 8" at splices and shall be completely embedded in mortar.



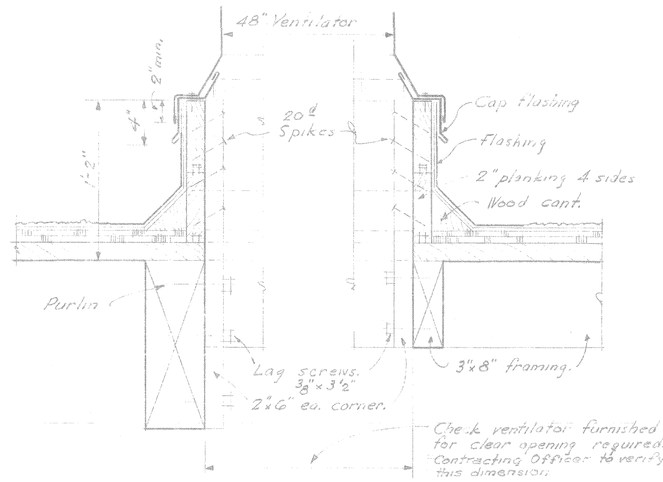
EAST END ELEVATION
Scale 1/16" = 1'-0"



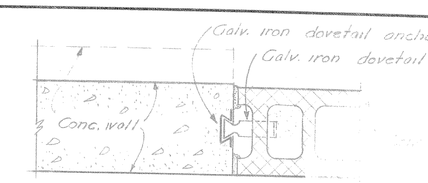
SECTION "A-A"
Scale 1/16" = 1'-0"



SECTION "B-B"
Scale 1/16" = 1'-0"

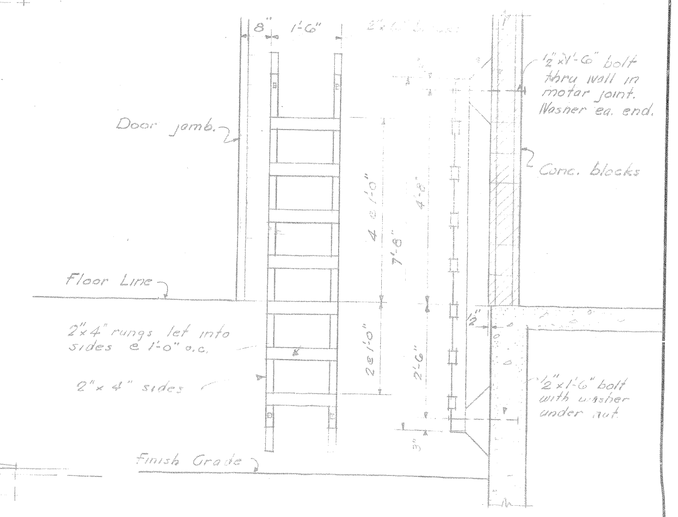


ROOF CURB FOR GRAVITY VENTILATORS
Scale 1½" = 1'-0"



ANCHORS AT JUNCTION OF CONC. & CONC. BLK. WALLS
Scale 1½" = 1'-0"

Note: Do not use this detail at 1" expansion joint at [illegible]
See Sheets 6 and 8 for condition at expansion joint.
Use this detail at junction of all interior conc. to conc. blk. walls except at [illegible]



WOOD LADDER AT RAILROAD SIDE DOORS
Scale ½" = 1'-0"

STEEL SASH SCHEDULE

MARK	NO. OF SASH	SASH SIZE	MASONRY OPENING	TYPE	GLAZING	REMARKS
1	1	6'-0⅜" x 5'-6"	5'-4" x 5'-5"	Security	S.S.B.	See Elevations for [illegible]
2	3	3'-0⅜" x 5'-6"	11'-9" x 5'-5"	Security	S.S.B.	" " " "
3	1	3'-0⅜" x 5'-6"	5'-9" x 5'-5"	Security	Obscure	" " " "
4	5	3'-0⅜" x 2'-5"	11'-5" x 2'-4"	Security	Obscure	" " " "
5	1	3'-0⅜" x 5'-6"	5'-4" x 5'-5"	Com. Projected	S.S.B.	" " " "
6	2	3'-0⅜" x 2'-5"	7'-5" x 2'-4"	Com. Projected	Obscure	" " " "
7	3	3'-0⅜" x 5'-6"	11'-9" x 5'-5"	Com. Projected	S.S.B.	" " " "
8	12	5'-0⅜" x 2'-6"	9'-8" x 2'-5"	Industrial	S.S.B.	Adjust metal to masonry
9	35	5'-0⅜" x 4'-3"	9'-8" x 4'-2"	Industrial	S.S.B.	Adjust metal to masonry
10	21	5'-0⅜" x 2'-6"	9'-8" x 2'-5"	Industrial	S.S.B.	Adjust metal to masonry
11	1	3'-0⅜" x 5'-5"	5'-4" x 5'-4"	Com. Projected	Obscure	See Elevations for style

1. CMU CONTROL JOINTS
2. WINDOW FRAMES AND PANES
3. BROKEN CMU BLOCKS

REVISION	DATE	DESCRIPTION	BY
1	14 Nov. 58	Steel railing detail - USM-S-57-58	
2	29 Nov. 53	Revised note concerning K-web "As-built"	
3	31 Dec. 52	Note added for alternate block wall reinforcing using K-wall or equal	

ORR PICKERING & ASSOCIATES
ARCHITECTS & ENGINEERS
BILLINGS, MONTANA

CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
WALLA WALLA, WASHINGTON

DRAWN BY: [illegible]
TRACED BY: [illegible]
CHECKED BY: [illegible]
SUBMITTED: Orr Pickering

GREAT FALLS AIR FORCE BASE
GREAT FALLS, MONTANA
WAREHOUSE, GENERAL PURPOSE
WITH MEZZANINE OFFICES
ELEVATIONS & SECTIONS

APPROVED: Chief Design Branch
APPROVED: E. C. Frazer, Chief Engineering Division
DATE: 15 Feb 1952

APPROVED: R. W. Anderson
LT. COLONEL, C. E., DISTRICT ENGINEER ~~Asst. Dist.~~
DATE: 15 Feb. 1952

SCALE AS SHOWN | SPEC. NO.

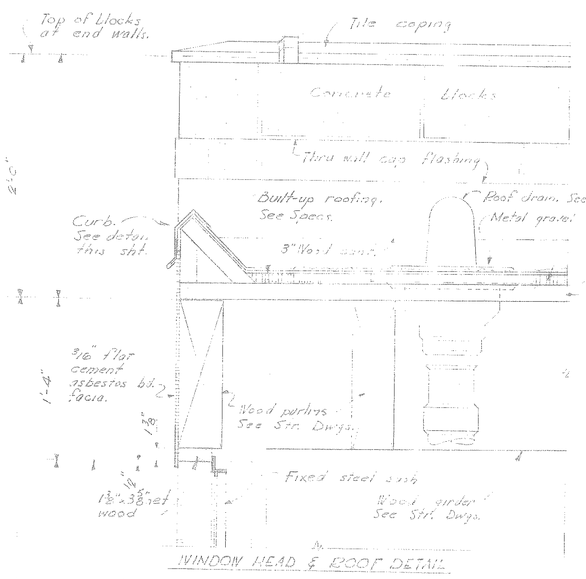
DRAWING NUMBER
SHEET 5 OF 17 ~~33-02-01~~ 4.06

75 31 21 0 5

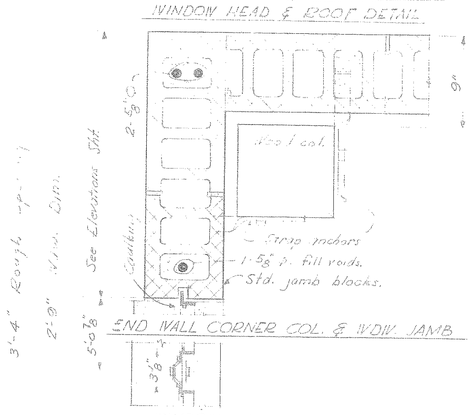
DWR 64 B 405 SH 13

CONTRACT DRAWING - AS BUILT

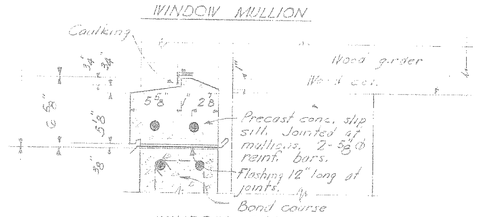
U. S. ARMY



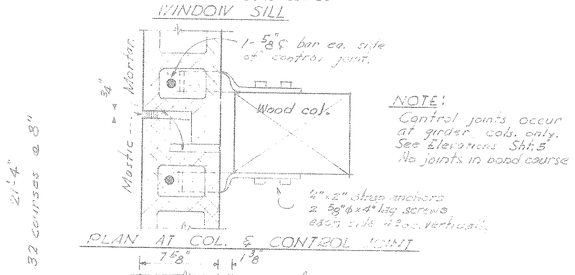
WINDOW HEAD & ROOF DETAIL



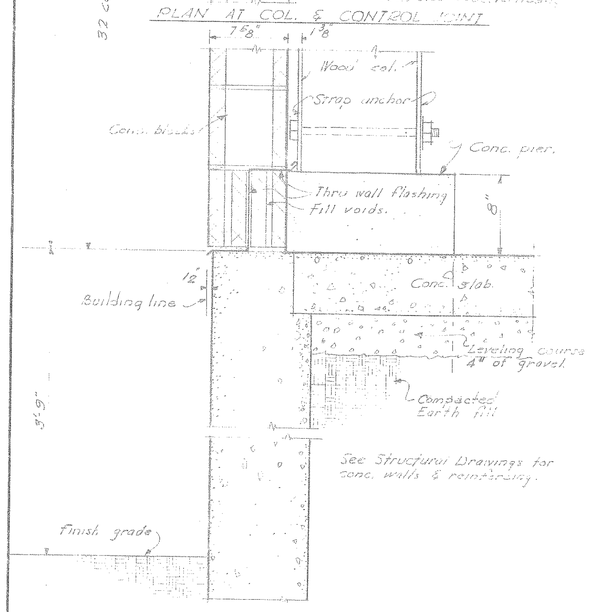
END WALL CORNER COL. & WDW. JAMB



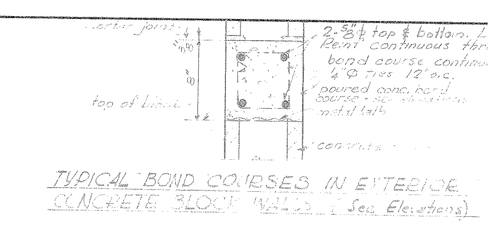
WINDOW MULLION



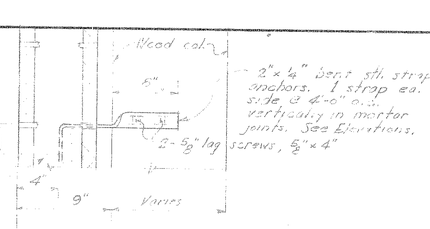
WINDOW SILL — PLAN AT COL. & CONTROL JOINT



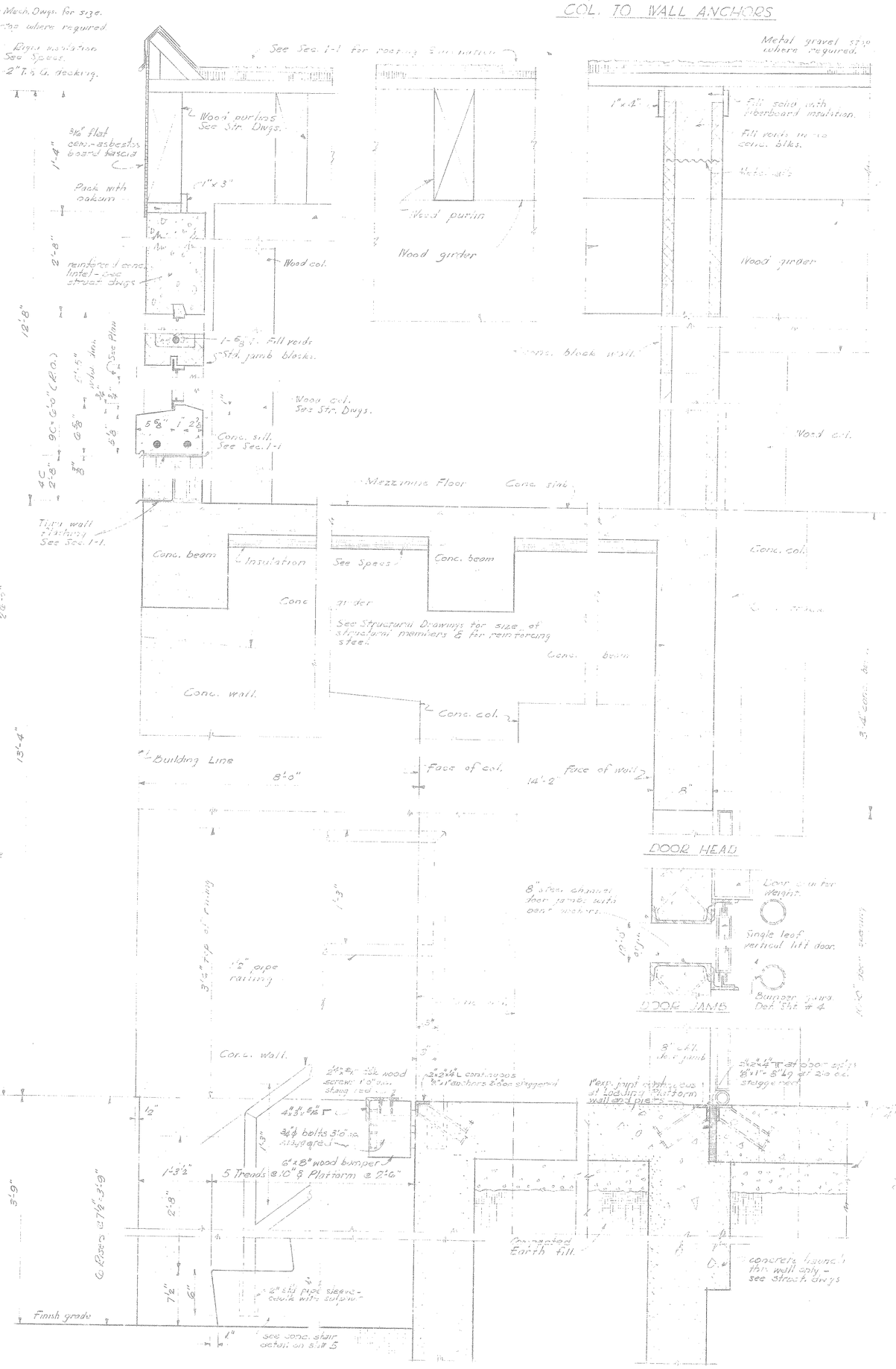
WALL SECTION 1-1
TYPICAL FOR TRUCK SIDE



TYPICAL BOND COURSES IN EXTERIOR CONCRETE BLOCK WALLS (See Elevations)

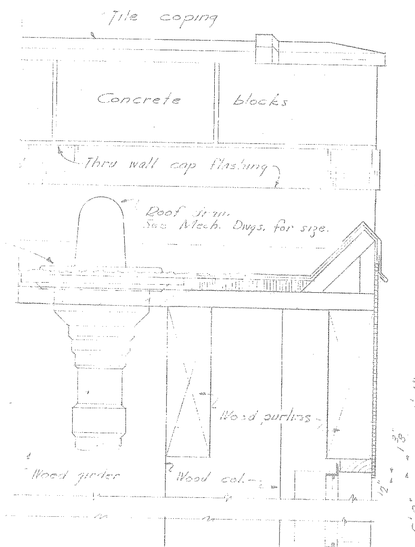


COL. TO WALL ANCHORS



TYPICAL SECTION 2-2
THRU LOADING PLATFORM & MEZZANINE

NOTE: 11" through this sheet scale 1/4"=1'-0" unless noted. For Structural Drawings see conc. footings, walls, reinforcing steel.



WINDOW SILL

CANOPY DETAIL

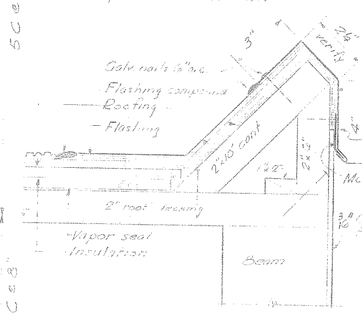
DOOR HEAD

DOOR JAMB

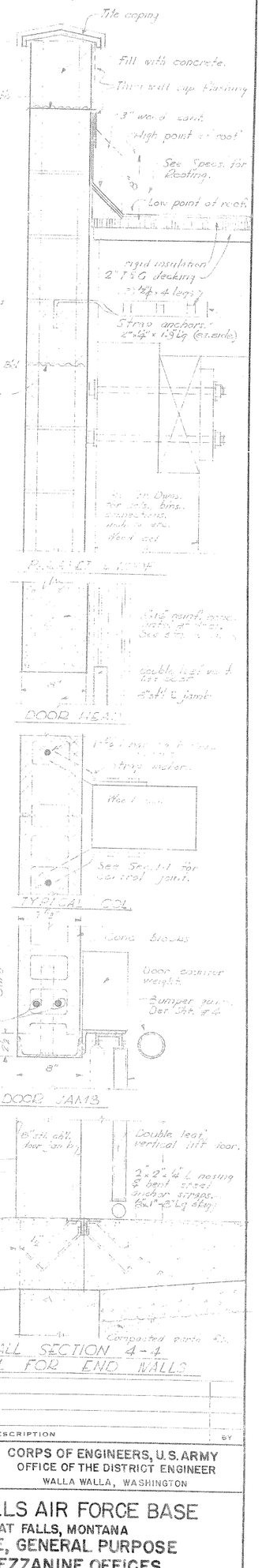
WALL SECTION 3-3
TYPICAL FOR RAILROAD SIDE

ROOF CURB

1. Vapor seal & all roofing felts to extend to top of cant.
2. Flashing to extend over top of cant to point indicated.
3. Flashing to consist of 2 layers of 15# & 1 mineral cap sheet.
4. Flashing felts to be applied in 16" lengths & set in 3 mopped beds of flashing compound 16" thick.
5. Cap sheet flashing to be applied in 2' lengths, End laps 6" & lower ply to be stabled with flashing compound.
6. Lap metal flashing 3" & solder joints & mitre.
7. See Specs. for materials.



ROOF CURB DETAIL
Scale 3" = 1'-0"



WALL SECTION 4-4
TYPICAL FOR END WALLS

REVISION	DATE	DESCRIPTION	BY

ORR PICKERING & ASSOCIATES
ARCHITECTS & ENGINEERS
BILLINGS, MONTANA

CORPS OF ENGINEERS, U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
WALLA WALLA, WASHINGTON

DRAWN BY:
TRACED BY:
CHECKED BY:
SUBMITTED:

GREAT FALLS AIR FORCE BASE
GREAT FALLS, MONTANA
WAREHOUSE, GENERAL PURPOSE WITH MEZZANINE OFFICES
WALL SECTIONS - DETAILS

APPROVED: Chief, Design Branch
APPROVED: Chief Engineering Division
DATE: 15 Feb 1952

APPROVED:
Colonel C.E. District Engineer Exec. Off.
DATE: 15 Feb 1952

SCALE AS SHOWN | SPEC. NO.

DRAWING NUMBER
SHEET 7 OF 17 — 33-02-01 / 400

CONTRACT DRAWING - AS BUILT

Sht 11