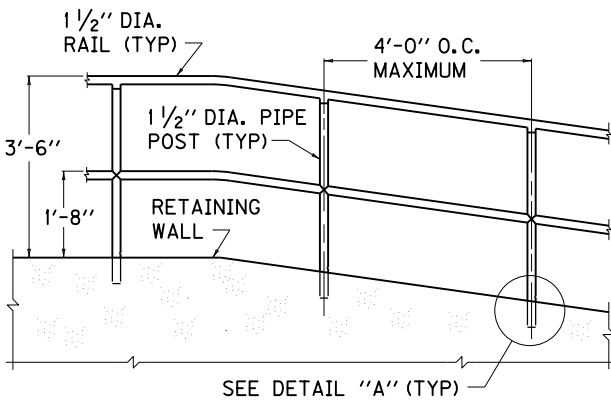
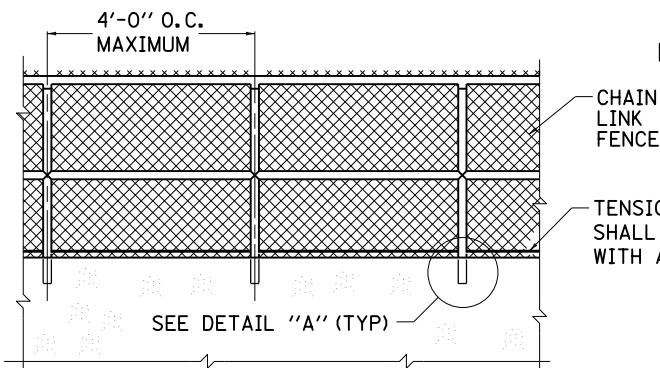


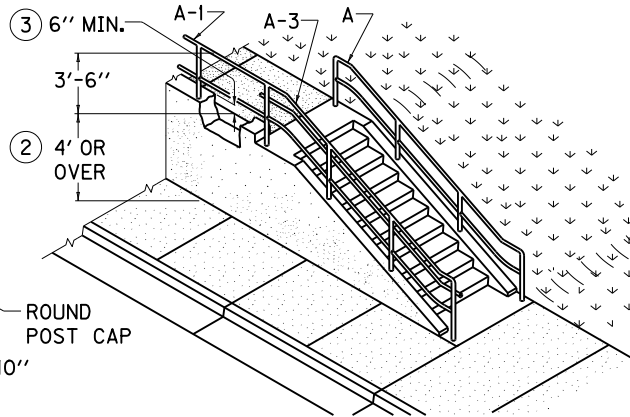
ELEVATION OF HANDRAIL TYPE A-4



ELEVATION OF HANDRAIL TYPE A-1

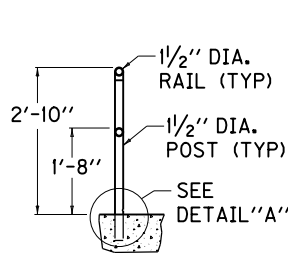


ELEVATION OF HANDRAIL TYPE A-2

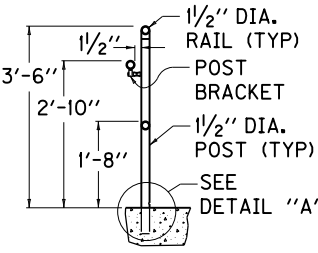


ISOMETRIC OF HANDRAIL TYPE A, A-1 AND A-2
HANDRAIL TYPE DESCRIPTION TABLE

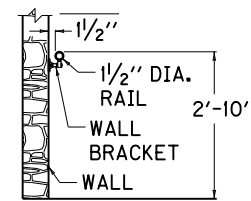
| ★ TYPE | HEIGHT REQ'D. | FENCE REQ'D. | MAX. POST SPACING | NO. OF RAILS |
|--------|---------------|--------------|-------------------|--------------|
| A | 2'-10" | NO | 4'-0" | 2 |
| A-1 | 3'-6" | NO | 4'-0" | 2 |
| A-2 | 3'-6" | YES | 4'-0" | 2 |
| A-3 | 3'-6" | NO | 4'-0" | 3 |
| A-4 | 3'-6" | YES | 4'-0" | 3 |



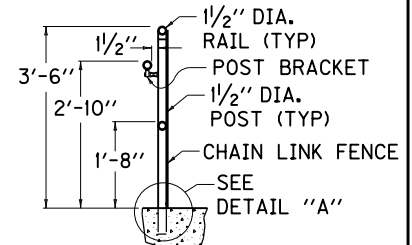
SECTION OF HANDRAIL TYPE A



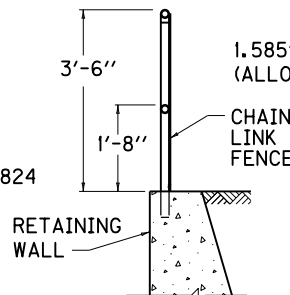
SECTION OF HANDRAIL TYPE A-3



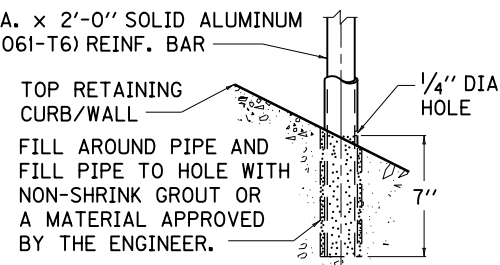
SECT. FOR WALL MOUNTED HANDRAIL



SECT. OF HANDRAIL TYPE A-4



SECTION OF HANDRAIL TYPE A-2



DETAIL "A"

- ~ NOTES ~
- BID ITEM AND UNIT TO BID
HANDRAIL TYPE ★ LF
- HANDRAIL SHALL BE REQUIRED WITH THREE OR MORE STEPS. HANDRAIL IS OPTIONAL WITH LESS THAN THREE STEPS.
 - HANDRAIL USED AS A TOP HANDRAIL ON STEPS AND HANDRAIL USED ON A RETAINING WALL SHALL BE REQUIRED WHEN THE ADJACENT FLOOR, GROUND LEVEL, ROAD, WALK, ETC. IS 4' OR MORE BELOW THE TOP OF THE RETAINING WALL.
 - THE TOP OF THE RETAINING WALL OR CURB SHALL BE A MIN. OF 6" ABOVE THE ADJOINING SIDEWALK.
 - A DISTANCE OF 1'-0" MIN. SHALL BE PARALLEL TO THE STEP RUNNER.
 - HANDRAIL WITH INTERNAL CONNECTIONS: HANDRAIL SHALL BE CONSTRUCTED OF 1 1/2" SCHEDULE 40 ALUMINUM PIPE IN ACCORDANCE WITH ASTM B221 ALLOY 6063-T52 FOR RAIL AND ASTM B210 ALLOY 6063-T832 FOR POSTS. ~OR~ HANDRAIL WITH WELDED CONNECTIONS: HANDRAIL SHALL BE CONSTRUCTED OF 1 1/2" SCHEDULE 40 ALUMINUM PIPE IN ACCORDANCE WITH ASTM B221 OR B210 ALLOY 6061-T6.
 - ANCHOR POST IN FORMED HOLES (SEE DETAIL "A"). FOR INSTALLATION PROCEDURES OF THE CHAIN LINK FENCE AS APPLICABLE SEE CUR. STD. DWG. RFC-001.
 - ALL INTERNAL CONNECTIONS SHALL BE MADE WITH AN EPOXY ADHESIVE (RECOMMENDED BY THE MANUFACTURE), STAINLESS STEEL MACHINE SCREWS WITH LOCK WASHERS, AND THREADED TUBULAR RIVETS IN ORDER TO PROVIDE A SMOOTH INSTALLATION. EXPANSION JOINTS SHALL BE PROVIDED APPROX. 20'-0" O.C.
 - SIDEWALK SLABS SHALL BE THICKENED TO 8"x8"x8" AT POST LOCATIONS.

USE WITH CUR. STD. DWG.
RFC-001

KENTUCKY
DEPARTMENT OF HIGHWAYS

HANDRAIL TYPE
A, A-1, A-2, A-3, A-4

STANDARD DRAWING NO. RGX-030-07

SUBMITTED: *William P. Galt* DATE: 12-01-15
DESIGNED BY: *William P. Galt* DATE: 12-01-15
APPROVED: *William P. Galt* DATE: 12-01-15
STATE HIGHWAY ENGINEER