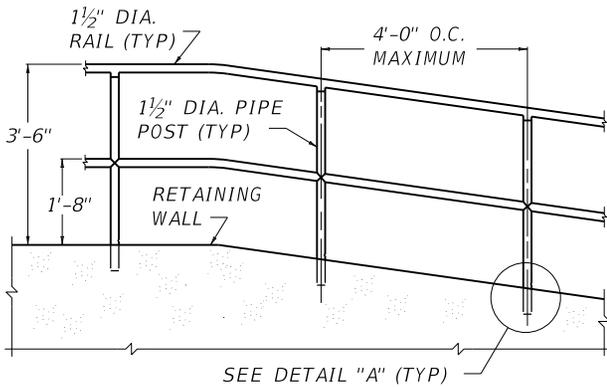
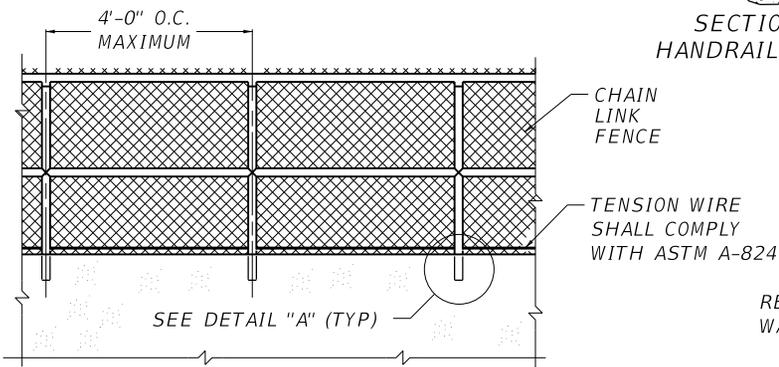


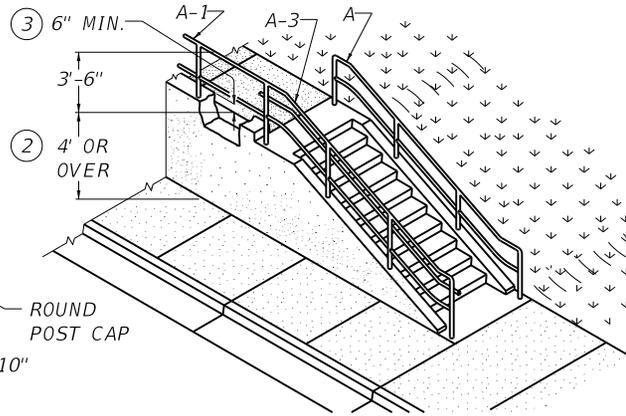
ELEVATION OF HANDRAIL TYPE A-4



ELEVATION OF HANDRAIL TYPE A-1



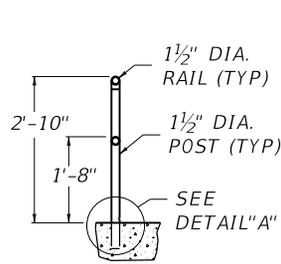
ELEVATION OF HANDRAIL TYPE A-2



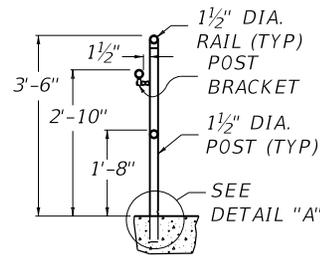
ISOMETRIC OF HANDRAIL TYPE A, A-1 AND A-2

HANDRAIL TYPE DESCRIPTION TABLE

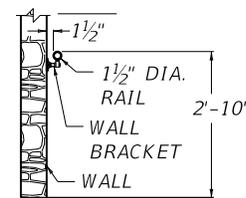
★ TYPE	HEIGHT REQ'D.	FENCE REQ'D.	MAX. POST SPACING	NO. OF RAILS
A	2'-10"	NO	4'-0"	2
A-1	3'-6"	NO	4'-0"	2
A-2	3'-6"	YES	4'-0"	2
A-3	3'-6"	NO	4'-0"	3
A-4	3'-6"	YES	4'-0"	3



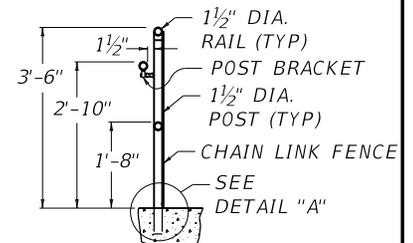
SECTION OF HANDRAIL TYPE A



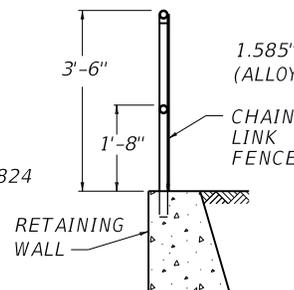
SECTION OF HANDRAIL TYPE A-3



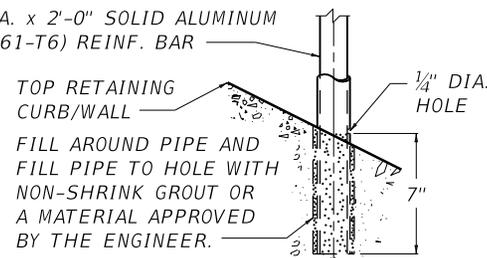
SECT. FOR WALL MOUNTED HANDRAIL



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 *[Signature]* 12-01-15
 ORIGINAL DATE OF DESIGN DATE
 APPROVED *[Signature]* 12-01-15
 STATE HIGHWAY ENGINEER DATE