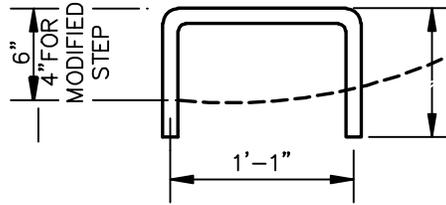
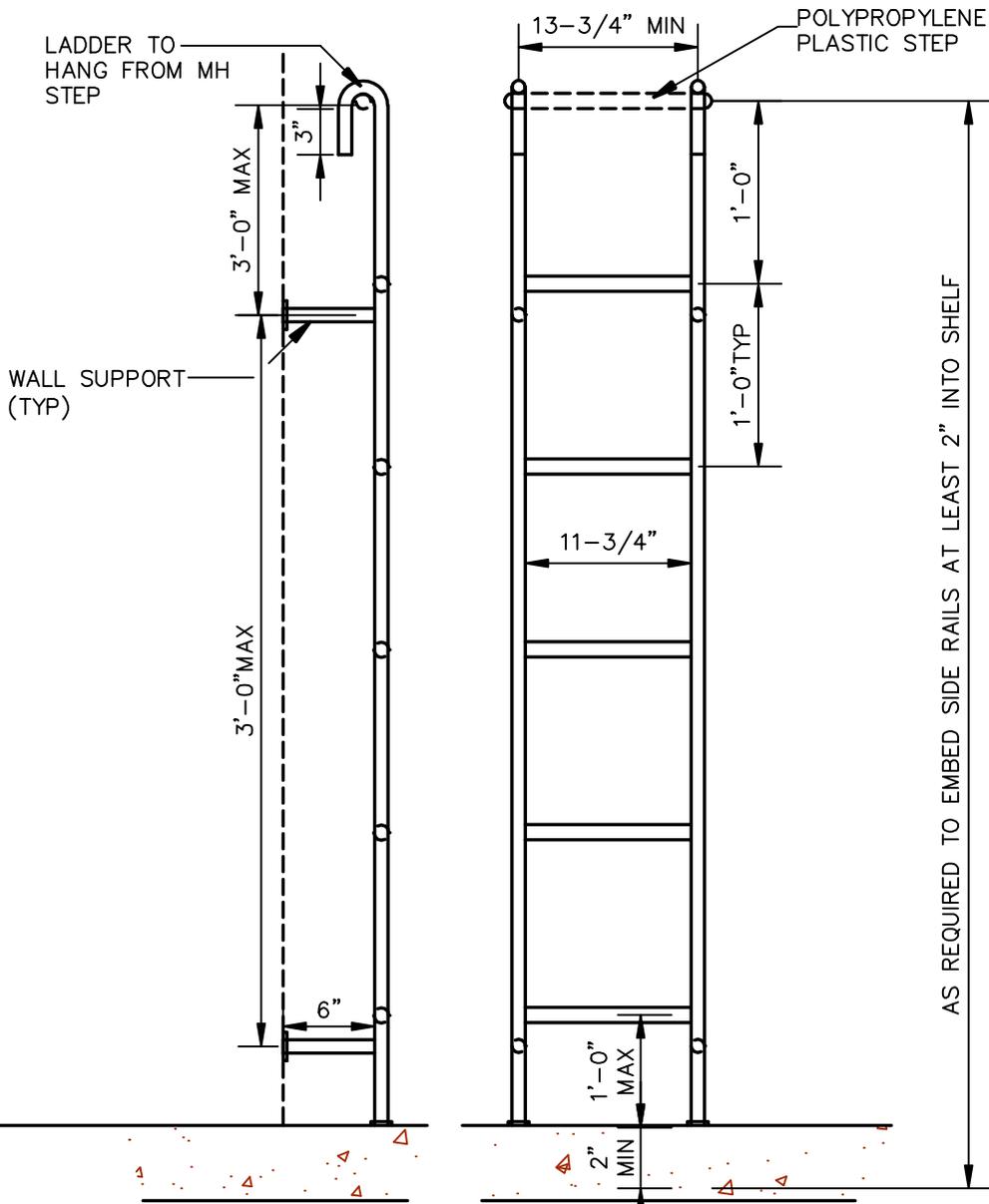


HANDHOLD



STEP

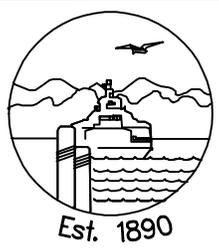
9-3/8" FOR BLOCK OR BRICK MH SECTION  
 9-1/2" FOR PRECAST MH SECTION  
 7" FOR MODIFIED STEP FOR PRECAST MH SECTION



PREFABRICATED LADDER

**NOTES:**

1. LADDER SHALL BE INSTALLED IN ALL CATCH BASINS AND MANHOLES WHEN DEPTH OF STRUCTURE FROM TOP OF FRAME TO LOWEST FLOWLINE EXCEEDS FOUR(4) FEET.
2. DIMENSIONS FOR THE MH LADDER AND STEP ARE MINIMUM REQUIREMENTS ONLY.
3. STEPS AND HANDHOLDS SHALL BE INSTALLED AT 1'-0" ON CENTER SPACING. WHEN THE DISTANCE FROM THE HIGHEST STEP OR HANDHOLD AT THE TOP OF THE MH FRAME EXCEEDS 1'-0" AND ANOTHER STEP OR HANDHOLD CANNOT BE INSTALLED BECAUSE OF THE LOCATION OF THE MH FRAME, A HANDHOLD SHALL BE INSTALLED BETWEEN THE TOP 2 LAYERS OF BRICK.
4. IF BOTH STEPS AND LADDER ARE REQUIRED IN ANY STRUCTURE, THEY SHALL BE FROM THE SAME MANUFACTURER.
5. STEPS AND LADDER SHALL BE POLYPROPYLENE AND CONFORM TO ASTM D4101 WITH 1/2" ASTM A615 GRADE 60 STEEL REINFORCING BAR. LANE P-13938, M.A.PS2-PF, OR EQUAL.
6. FASTEN LADDER TO FLOOR AND WALL SUPPORTS WITH 1-1/2" x 3-3/4" ANCHORS. ANCHORS TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.



CITY OF EDMONDS		STANDARD DETAIL		
REVISIONS		STEP AND LADDER DETAIL		
APPROVED BY	DATE			
R. ENGLISH	10/04/11			
		DATE	SCALE	DWG NO.
		10/04/11	NTS	<b>E 8.16</b>