

**NOTES:**

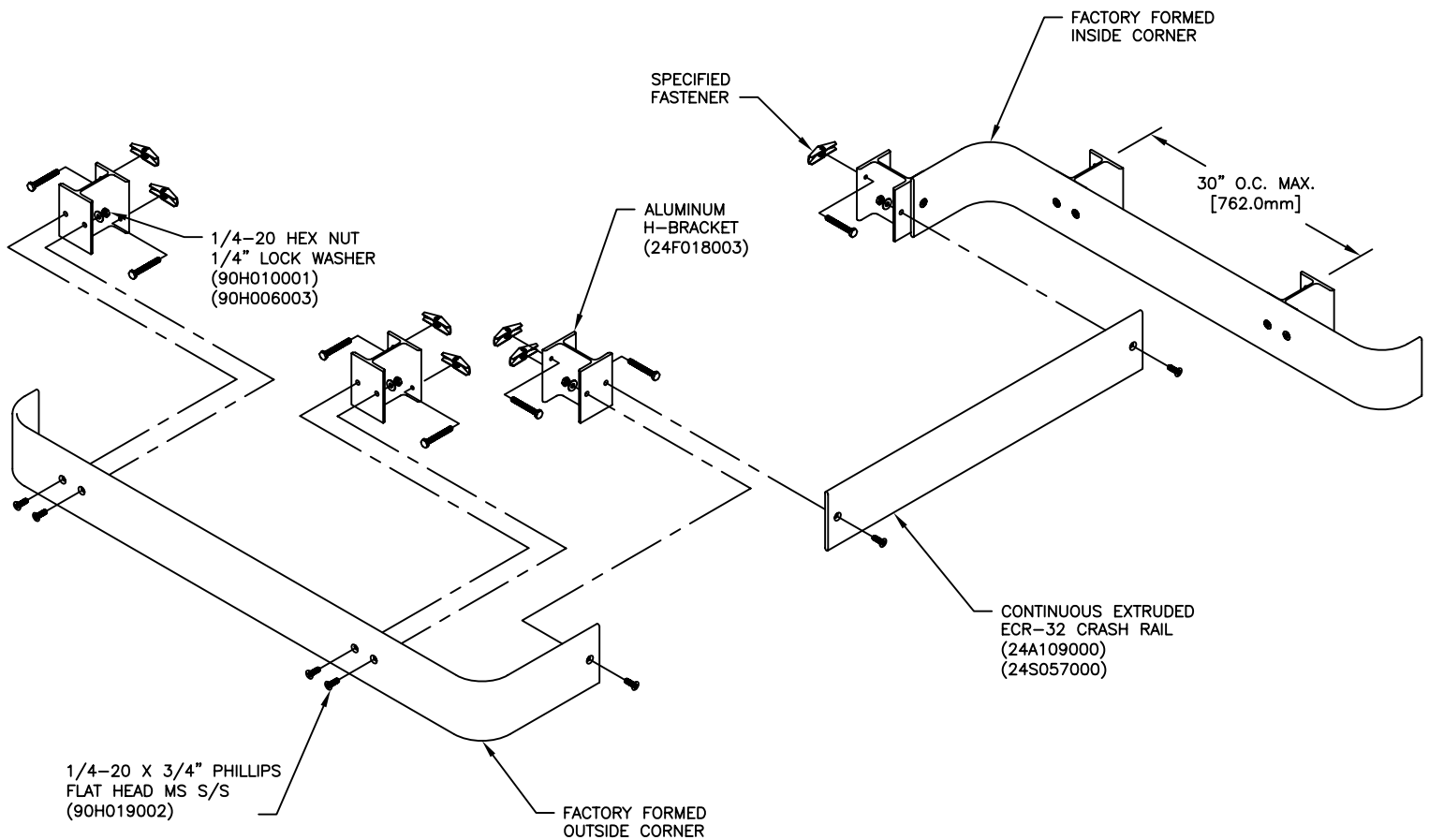
1. DIMENSIONS ARE TYPICAL.
2. FOR DRYWALL/PLASTER WALL CONSTRUCTION, IT IS RECOMMENDED FOR FASTENERS TO BE ENGAGED INTO METAL/WOOD STUDS TO MAINTAIN MAXIMUM PULLOUT STRENGTH.

WALL CONDITION	SPECIFIED FASTENER	DRILL DIAMETERS		PART NUMBER
		WALL	RETAINER	
STEEL STUD/GYPSUM WALL	1/4-20 X 2" HEX HD BOLT STEEL/PLATED	3/4"	N/A	90H042002
	1/4-20 X 2" TOGGLER			90H019004
	1/4" FLAT WASHER STEEL/PLATED			90H007003
CONCRETE/CONC. BLOCK	1/4-20 X 1 1/2" S/S HEX HD BOLT,	1/2"	N/A	90H096002
	1/4" FLAT WASHER STEEL/PLATED			90H007003
	1/4-20 X 1 1/4" 4-WAY LEAD SHIELD			90H016004
WOOD STUD/GYPSUM WALL	1/4" X 3" HEX HEAD LAG SCREW	3/16"	N/A	90H087002
	1/4" FLAT WASHER STEEL/PLATED			90H007003

# INSTALLATION INSTRUCTIONS

24PP

## ECR-32S CRASH RAIL



1. DISTRIBUTE MATERIAL. MATCH THE NUMBER ON THE BACK OF THE RAIL TO THE MARK NUMBER ON THE DRAWING. SOME LARGE RUNS REQUIRE MORE THAN ONE PIECE OF CRASH RAIL. THESE ARE NOTED WITH A MARK NUMBER AND A LETTER, I.E. 2001A 2001B.
2. ESTABLISH CRASH RAIL HEIGHT ABOVE THE FINISHED FLOOR. MEASURE FROM THE FLOOR TO REQUIRED RAIL HEIGHT AND DEDUCT 1/4" [6.35mm] TO LOCATE TOP EDGE OF BRACKET. SNAP A CHALK LINE AT THIS HEIGHT.
3. ATTACH BRACKETS TO RAIL WITH SPECIFIED FASTENERS.
4. USE RAIL WITH ATTACHED BRACKETS AS A TEMPLATE TO MARK BRACKET LOCATIONS ON THE WALL.
5. ONCE BRACKET LOCATIONS ARE ESTABLISHED ON THE WALL, REMOVE BRACKETS FROM THE RAIL.
6. LOOSELY ATTACH BRACKETS TO WALL WITH SPECIFIED FASTENERS.
7. ATTACH RAIL TO BRACKETS.
8. TIGHTEN ALL FASTENERS AND REMOVE PROTECTIVE COATING FROM RAIL TO COMPLETE INSTALLATION.

10/4/05

CONSTRUCTION SPECIALTIES INC  
DECOGARD PRODUCTS

MUNICIPALITY, PENNSYLVANIA 17756  
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