GENERAL NOTES:
1. IF THIS SHEET IS NOT 24"X36", USE GRAPHICAL SCALE ACCORDINGLY.
2. THIS SHEET IS FOR USE WITH EQUIPMENT LESS THAN 100 LBS.
CFS STUDS
3. EACH SELF-DRILLING SCREW MUST PENETRATE EXISTING STUD WITH A MINIMUM THREAD PREAMPLING PAST THE BACK EDGE OF THE SUPPORTING STEEL.
WOOD STUD
4. EACH WOOD SCREW MUST PENETRATE AT LEAST 1 1/2" INTO STUD.
CONCRETE WALL
5. POST-INSTALLED ANCHORS SHALL NOT DAMAGE EXISTING CONCRETE REBAR.
MASONRY
6. PRE-INSTALLED MASONRY SHALL BE A 7/16"dia. HOLE FOR THRU-BOLT.
7. THRU-BOLTS AND SCREW ANCHORS SHALL NOT DAMAGE EXISTING MASONRY REINFORCEMENT.

NOTES FOR EOR:
(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)
ALL WALL TYPES
1. MIN. REQUIRED HEX BOLT SIZE IS 1/4". LARGER DIAMETERS ARE PERMISSIBLE TO ACCOUNT FOR LARGER MOUNTING HOLE DIAMETER.
2. EMBEDMENT DEPTHS, FASTENER DIAMETERS, AND NUMBER OF FASTENERS ARE MINIMUMS AND MAY BE INCREASED.
WOOD STUD
1. MIN. REQUIRED SCREW PENETRATION INTO STUD IS 1 1/2".
CONCRETE WALL
1. MIN. REQUIRED EMBEDMENT DEPTH IS 2".
2. MIN. REQUIRED SPACING BETWEEN ANCHOR IS 8".
3. MIN. REQUIRED NAIL THICKNESS IS 4".
MASONRY WALL
1. THRU-BOLTING REQUIRED UNLESS MASONRY IS PROVEN TO BE UNCRACKED UNDER SERVICE LOADS.
A. THRU-BOLT WASHER:
1. BOLT PLACEMENT MAY EXTEND UP TO 1/2" BEYOND ENCLOSURE PRE-DRILLED MOUNTING HOLE.
2. MIN. REQUIRED SCREW PENETRATION INTO STUD IS 1.33".
3. MIN. REQUIRED HEX BOLT SIZE IS 1/4". LARGER DIAMETERS ARE PERMISSIBLE TO ACCOUNT FOR LARGER MOUNTING HOLE DIAMETER.
4. MIN. REQUIRED EMBEDMENT DEPTH IS 2".
5. POST-INSTALLED ANCHORS SHALL NOT DAMAGE EXISTING CONCRETE REBAR.
6. POST-INSTALLED ANCHORS SHALL NOT DAMAGE EXISTING MASONRY REINFORCEMENT.
7. THRU-BOLTS AND SCREW ANCHORS SHALL NOT DAMAGE EXISTING MASONRY REINFORCEMENT.

ENGINEERING STANDARDS
ST-R0003-3
CHAPTER 5

STUD WALL-MOUNTED EQUIPMENT DETAILS
SMALL

DRAWING DEVELOPED FOR ML-1/ML-2 PROJECTS FOR ML-3/ML-4 PROJECTS.
ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE.

DRAWING DEVELOPED FOR ML-1/ML-2 PROJECTS. FOR ML-3/ML-4 PROJECTS, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE.

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