



- GENERAL NOTES:**
- IF THIS SHEET IS NOT 24"x36," USE GRAPHICAL SCALE ACCORDINGLY.
 - THIS SHEET IS FOR USE WITH EQUIPMENT FROM 100 LBS TO 250 LBS.
- STEEL STUDS**
- EACH SELF-DRILLING SCREW MUST PENETRATE EXISTING STUD WITH A MIN. OF THREE THREADS PROTRUDING PAST THE BACK SIDE OF THE SUPPORTING STEEL.
- WOOD STUDS**
- EACH WOOD SCREW MUST PENETRATE EXISTING STUD.
- CONCRETE WALL**
- SPACING BETWEEN ANCHORS IN WALL MAY EXTEND UP TO 6" BEYOND PRE-DRILLED MOUNTING HOLE.
 - POST-INSTALLED ANCHORS SHALL NOT CONFLICT WITH OR DAMAGE EXISTING CONCRETE REBAR.
- MASONRY**
- SPACING BETWEEN ANCHORS IN WALL MAY EXTEND UP TO 6" BEYOND PRE-DRILLED MOUNTING HOLE.
 - PRE-DRILL MASONRY WITH A 7/16" DIA. HOLE FOR THRU-BOLT.
 - THRU-BOLTS AND SCREW ANCHORS SHALL NOT CONFLICT WITH OR DAMAGE EXISTING MASONRY REINFORCEMENT.

- NOTES FOR DESIGNER:**
(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)
- ALL WALL TYPES**
- MIN. REQUIRED HEX BOLT SIZE IS ϕ 1/4". LARGER DIAMETERS ARE PERMISSIBLE TO ACCOUNT FOR LARGER MOUNTING HOLE DIAMETER.
 - EMBEDMENT DEPTHS, FASTENER DIAMETERS, AND NUMBER OF FASTENERS ARE MINIMUMS AND MAY BE INCREASED.
- STEEL STUD**
- MIN. REQUIRED SCREW EMBEDMENT IS 2".
 - ADD 1/2" PER LAYER OF GYPSUM BOARD TO REQUIRED EMBEDMENT DEPTH FOR MINIMUM LENGTH OF SCREW.
- WOOD STUD**
- MIN. REQUIRED SCREW EMBEDMENT IS 2".
 - ADD 1/2" PER LAYER OF GYPSUM BOARD TO REQUIRED EMBEDMENT DEPTH FOR MINIMUM LENGTH OF SCREW.
- CONCRETE WALL**
- MIN. REQUIRED EMBEDMENT DEPTH IS 2".
 - MIN. REQUIRED SPACING BETWEEN ANCHOR IS 2.5".
 - MIN. REQUIRED WALL THICKNESS IS 4".
- MASONRY WALL**
- MIN. REQUIRED EMBEDMENT FOR SCREW ANCHORS IS 1 5/8".
 - MIN. REQUIRED SPACING BETWEEN SCREW ANCHORS IS 4". SCREW ANCHORS CAN BE STAGGERED TO SATISFY THIS REQUIREMENT.
 - AN ALTERNATIVE TO SCREW ANCHORS FOR LARGE EQUIPMENT IS THROUGH BOLTING AS SHOWN ON DRAWING ST-F1033-4
 - MIN. REQUIRED THRU-BOLT SPACING IS 2.5".

NO	DATE	CLASS REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
ENGINEERING STANDARDS PROGRAM									
ENGINEERING STANDARDS MANUAL									
WALL-MOUNTED EQUIPMENT DETAILS LARGE								DRAWN	K. SOUZA
								DESIGN	K. SOUZA
								CHECKED	A. MOSIMANN
								DATE	06-04-14
BLDG XXXX					TA-XX				
SUBMITTED					APPROVED FOR RELEASE				
DISCIPLINE POC: JONI L. WEAMER					STANDARDS MANAGER: TOBIN ORUCH				
S-5002									
4 OF 4									
CLASSIFICATION: UNCLASSIFIED					REVIEWER: ED SEAWALT			DATE: 06-02-14	
PROJECT ID					DRAWING NO			REV	
CHAPTER 5					ST-F1033-4			0	