

SAFEGARDE™

WELDED WIRE PARTITION PRODUCT SECTION



COGAN WIRE AND METAL PRODUCTS LTD.

VOLUME I, SECTION 5, JANUARY 2004

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FOR THE MOST CURRENT RELEASE OF THE WELDED WIRE PARTITION PRODUCT SECTION, PLEASE VISIT OUR WEBSITE AT WWW.COANLTD.COM

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SAFEGARDE[™] WELDED WIRE PARTITION

STANDARDS AND SPECIFICATIONS

GENERAL SPECIFICATIONS

RELATED WORK

THE AREA WHERE SAFEGARDE™ WIRE MESH ENCLOSURE IS INSTALLED SHALL HAVE A CONCRETE SLAB TROWELED SMOOTH AND HARD.

SYSTEM DESCRIPTION

THIS DOCUMENT SPECIFIES A PRE-ENGINEERED WIRE MESH ENCLOSURE SYSTEM CONSISTING OF WIRE MESH PANELS, POSTS, DOORS AND HARDWARE.

QUALITY ASSURANCE

SYSTEM MANUFACTURER: ESTABLISHED FIRM WITH A MINIMUM OF 5 (FIVE) YEARS OF EXPERIENCE IN THE DESIGN AND FABRICATION OF WIRE MESH ENCLOSURE SYSTEMS.

INSTALLATION: THE END USERS LABOR OR COGAN INSTALLERS CAN INSTALL SAFEGARDE™ SYSTEMS

WARRANTY

THE SUPPLIER SHALL WARRANT THE SAFEGARDE™ WIRE MESH PARTITION TO BE FREE FROM MANUFACTURING DEFECTS FOR A PERIOD OF 1 (ONE) YEAR.

WARRANTY DOES NOT COVER DAMAGES CAUSED BY CONDITIONS BEYOND THE CONTROL OF THE SUPPLIER.

APPROVED MANUFACTURER

SYSTEM MANUFACTURER:

COGAN WIRE AND METAL PRODUCTS LTD.

TEL: 1-800-567-2642

FAX: 1-800-633-3004

INFO@COGANLTD.COM

WWW.COGANLTD.COM

MATERIAL

PANELS

FRAME SHALL BE MADE OF STRUCTURAL ANGLE 1-1/4"x1-1/4"x10GA STRUCTURALLY SHAPED FOR EXTRA STRENGTH AND RIGIDITY. CORNERS SHALL BE NOTCHED AND SEAM WELDED.

FABRIC SHALL BE 10GA 2"x2" WELDED WIRE MESH. 8-FT PANELS SHALL BE REINFORCED WITH TWO 1/2" ROUND BAR, DIVIDING THE PANEL IN THREE EQUAL SECTIONS.

POSTS

STANDARD POSTS SHALL BE 8 FT HIGH, 2"x2" SEAM WELDED SQUARE STEEL TUBING. STANDARD POST SPACING SHALL BE EITHER 8FT OR 10FT CENTER. BASE PLATE SHALL BE 6"x6" WITH TWO OBLONG HOLES FOR EASY ADJUSTMENT.

DOORS (SWING)

SWING DOORS SHALL BE MADE OF THE SAME MATERIAL AND METHOD AS THE PANELS, WITH A 1-1/4"x1/8" FLAT STEEL BAR WELDED ACROSS THE CENTER AND TWO 1/2" ROUND DIAGONAL STAY BARS. DOOR SHALL BE EQUIPPED WITH A SET OF PADLOCKING HASPS (CYLINDER LOCKS AVAILABLE UPON REQUEST), TWO DOOR STOPPERS AND 1-1/2 PAIRS OF STEEL PIN HINGES.

DOORS (SLIDING)

SLIDING DOORS SHALL BE MADE OF THE SAME MATERIAL AND METHOD AS THE PANEL AND ARE REINFORCED WITH 1-1/4"x1-1/4" SQUARE TUBING BOLTED TO THE FRONT AND REAR LEADING EDGES. DOORS SHALL BE EQUIPPED WITH EQUIVALENT #68 STANLEY TRACK, TWO #64 HANGERS, DOOR GUIDE, RECEIVER AND A SET OF PADLOCKING HASPS (CYLINDER LOCKS ARE AVAILABLE UPON REQUEST).

ROOFS

ROOF PANELS SHALL BE MADE OF THE SAME MATERIAL AND METHOD AS REGULAR PANEL AND ARE DESIGNED FOR SECURITY PURPOSES ONLY. ROOF PANELS ARE NOT LIVE LOAD BEARING; UNLESS SPECIFICALLY DESIGNED FOR A DEFINED CAPACITY.

FINISH

FINISH SHALL BE STANDARD COGAN GRAY, POWDER COAT FINISH.

HARDWARE

ALL NECESSARY ASSEMBLY FASTENERS SHALL BE PROVIDED EXCEPT FLOOR ANCHORS.

INSTALLATION

ERECTION OF THE SAFEGARDE™ WIRE MESH PARTITION SHALL BE MADE IN ACCORDANCE WITH THE INSTRUCTION SHOWN ON THE INSTALLATION DRAWINGS AND RELATED DOCUMENTS.

SAFEGARDE™ WELDED WIRE PARTITION

GENERAL INSTRUCTIONS

TOOLS REQUIRED FOR INSTALLATION



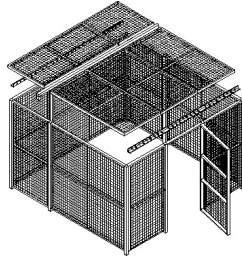
Partitions



TOOLS REQUIRED for INSTALLATION

Cogan Wire & Metal Products Ltd. has provided the following list of tools required for a typical partition installation.

If there are any questions about when or how these tools are used when installing Cogan's products, do not hesitate to contact **Les Boyd** using the toll free numbers listed below.



Tool List

Measuring Tape
Chalk Line
4 ft Level (preferably magnetic)
Hammer Drill with 3/8" drill bit
3/8" Reversible Drills
Misc. Extensions
Small Grinder with Cut Off Wheels or Reciprocating Saw
Wrenches and/or Sockets (3/4", 9/16", 1/2", 7/16")
Locking Clamp Vise Grips
3/8" Hex Head Bit
#2 Robertson Bit
Phillips Screwdriver (Multi-Locks)
AM/FM Radio

Tel# 1-800-567-2642

Fax# 1-800-633-3004

PARTITIONS

Cogan Wire and Metal Products Ltd.

FIGURE 1 TOOLS REQUIRED FOR INSTALLATION



PARTITION SPECIFICATIONS

PANEL FRAMES ARE MADE OF ANGLE 1-1/4" x 1-1/4" HEAVY DUTY STRUCTURAL 10 GA STEEL. SHAPED FOR EXTRA STRENGTH. CORNERS ARE NOTCHED AND SEAM WELDED. WIRE MESH IS 2"x2" 10GA (.134) CLEAN BRIGHT WIRE RESISTANCE WELDED AT EVERY JOINT AND WELDED TO THE FRAME AT EVERY 6". 8" PANELS ARE REINFORCED WITH TWO 3/8" ROUND BARS, DIVIDING THE PANEL IN THREE EQUAL SECTIONS.

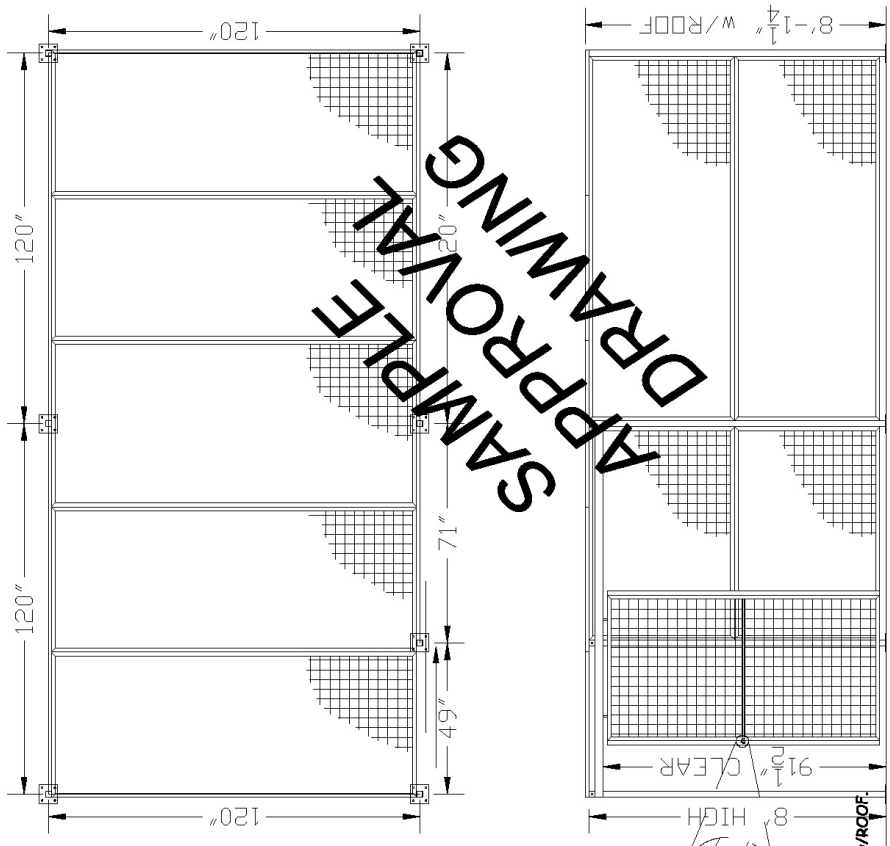
DOORS ARE CONSTRUCTED WITH THE SAME MATERIAL USED FOR PANELS.

POSTS ARE MADE OF 2"x2" SQUARE SEAM WELDED, ENGINEERED FOR PERFECT SUPPORT AND RIGIDITY.

FIELD MEASUREMENTS

ALL FIELD MEASUREMENTS MUST BE VERIFIED AND GIVEN TO COGAN. IN OPERING SIZE WITH NO REDUCTIONS. COGAN WILL REDUCE ALL OPENINGS ACCORDING TO THEIR NEED FOR DOOR AND PANEL CLEARANCE REQUIREMENTS.

DO NOT MAKE ANY MODIFICATIONS TO CORRECT ANY PROBLEM. BE IT PRODUCT OR SITE CONDITION, WITHOUT FIRST CONTACTING LES BOYD AT COGAN WIRE (1-800-567-2642). DOING SO MAY AFFECT THE WARRANTY. COGAN WILL NOT BE RESPONSIBLE FOR ANY UNAUTHORIZED WORK.



SAMPLE APPROVAL DRAWING

- VERY IMPORTANT NOTES:**
- HEIGHT OF PARTITIONS: 8'-1.25" w/ROOF.
 - ROOF PANELS ARE INCLUDED.
 - ALL POSTS W/ 6" x 6" BASE PLATES.
 - ANCHOR BOLTS ARE NOT INCLUDED.
 - DOOR ARE EQUIPPED WITH DOOR STOPS AND PADLOCK HASPS.
 - THE COMPONENTS ARE COLORED
 - W/ ONE COAT OF COGAN POWDER GRAY PAINT.
 - ALL DIMENSIONS ARE TAKEN FROM CENTER TO CENTER OF POSTS, UNLESS SPECIFIED OTHERWISE.

QUESTIONS ? COMMENTS/COMMENTAIRES ?
CALL/APPELER 1-800-567-2642

cogan SAFEGARDE™	
TITLE/TYPE: SAMPLE	
CUSTOMER/COLOR: SAMPLE	
DATE: YYYY/MM/DD	BY/PWR: XX
SENAL/REVELL: NTS	VERIF.: XX-XXXXXX
DRAWING/DESIGNER:	

FIGURE 2 SAMPLE APPROVAL DRAWING

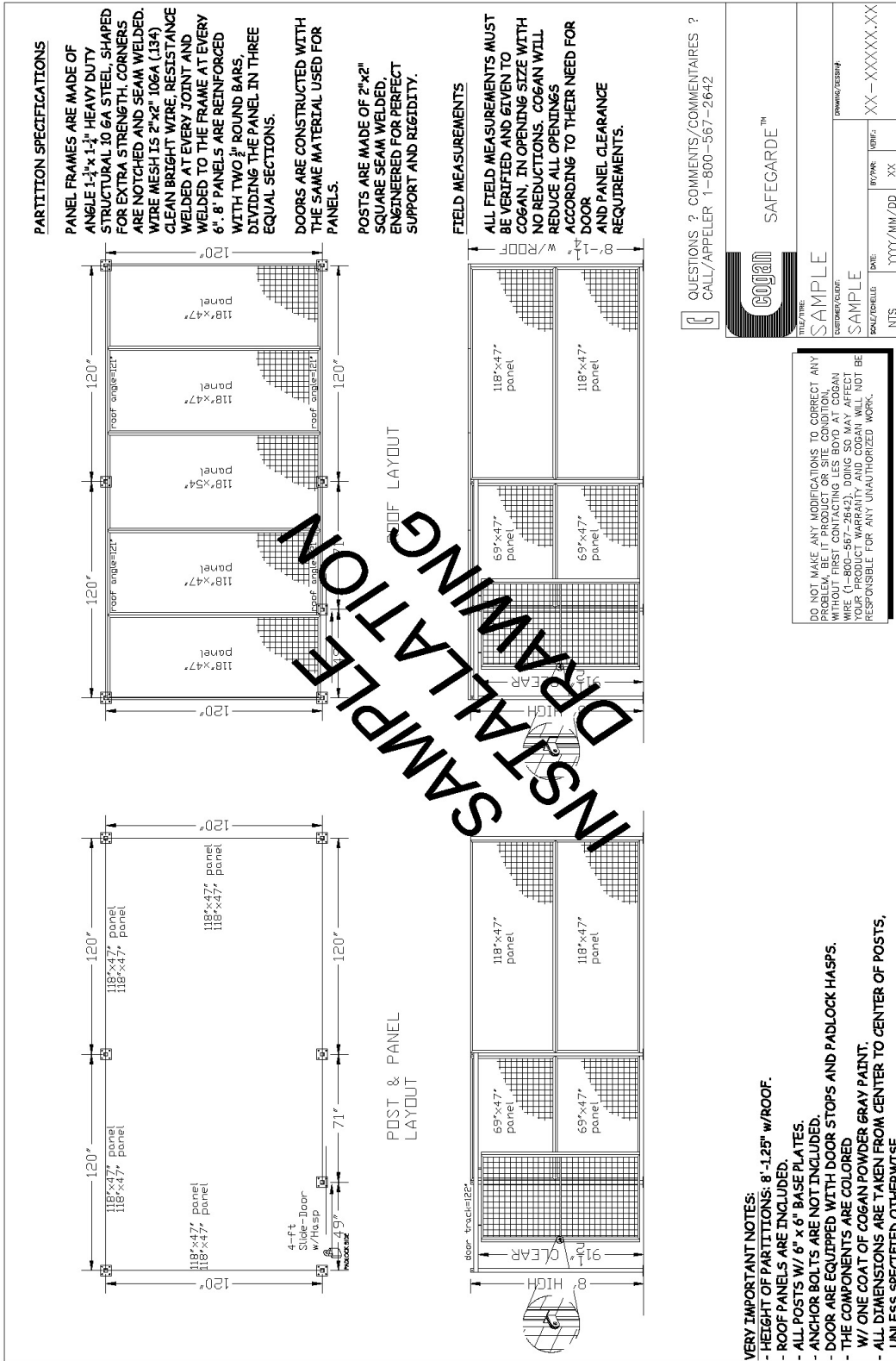


FIGURE 3 SAMPLE INSTALLATION DRAWING

GENERAL INSTRUCTIONS

THIS DOCUMENT SPECIFIES A PRE-ENGINEERED WIRE MESH ENCLOSURE SYSTEM CONSISTING OF WIRE MESH PANELS, POSTS, DOORS AND HARDWARE.

THE AREA WHERE SAFEGARDE™ WIRE MESH ENCLOSURE IS INSTALLED SHALL HAVE A SMOOTH, HARD CONCRETE SLAB.

THIS INSTALLATION MANUAL SHALL BE USED IN CONJUNCTION WITH THE PRE-APPROVED INSTALLATION DRAWINGS PROVIDED.

ANCHORS FOR THE SLABS OR WALLS ARE GENERALLY NOT PROVIDED BY COGAN WIRE AND METAL PRODUCTS.

BEFORE STARTING INSTALLATION, IT IS RECOMMENDED TO TRACE PARTITION LAYOUT WITH CHALK LINE.

TOOLS REQUIRED

- MEASURING TAPE
- CHALK LINE
- 4' LEVEL
- HAMMER DRILL WITH $\phi 3/8$ " DRILL BIT
- $3/8$ " REVERSIBLE DRILLS
- MISC. EXTENSIONS
- SMALL GRINDER WITH CUT OFF WHEELS OR RECIPROCATING SAW
- WRENCHES AND/OR SOCKETS ($\phi 7/16$ ", $\phi 1/2$ ", $\phi 9/16$ ", $\phi 3/4$ ")
- LOCKING CLAMP VISE GRIPS
- #2 ROBERTSON BIT
- $\phi 3/8$ " HEX HEAD BIT
- PHILLIPS SCREWDRIVER
- AM/FM RADIO

HARDWARE COMPONENTS

NOTE: SOME HOLES MUST BE DRILLED ON SITE.

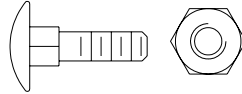


FIGURE 4 CARRIAGE BOLT $\phi 1/4"$ x $3/4"$

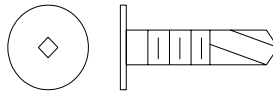


FIGURE 5 FLAT-HEAD TEK SCREW $\phi 1/4"$ x $3/4"$

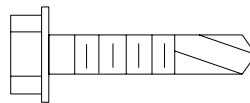


FIGURE 6 TEK SCREW $\phi 1/4"$ x $1"$

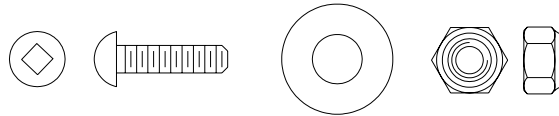


FIGURE 7 ROUND HEAD MACHINE SCREW $\phi 3/16"$ x $3/4"$ & LOCK NUT

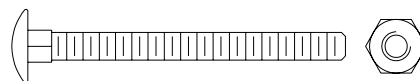


FIGURE 8 CARRIAGE BOLT $\phi 1/4"$ x $2-1/2"$

POSTS AND PANEL CONNECTIONS

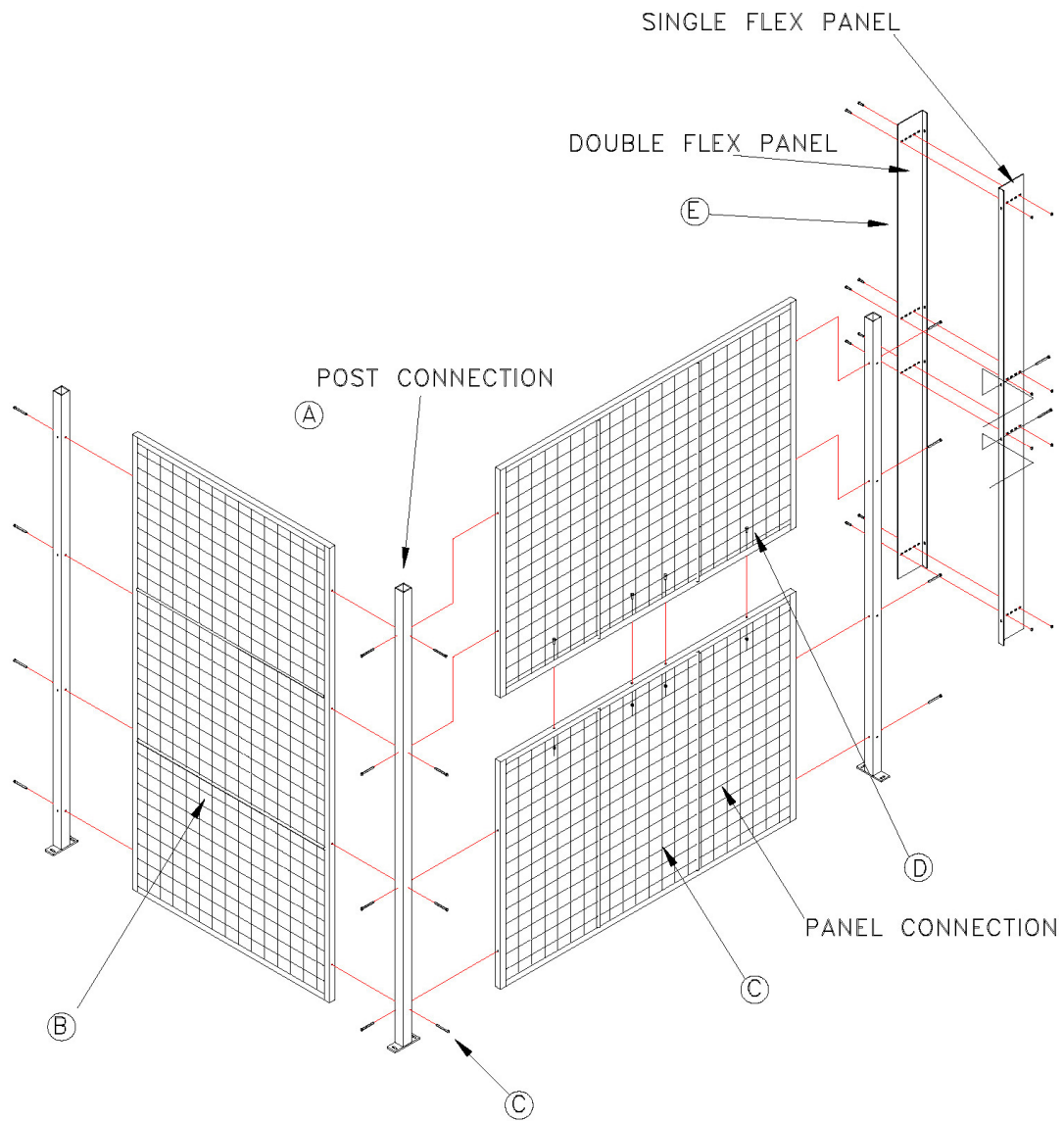
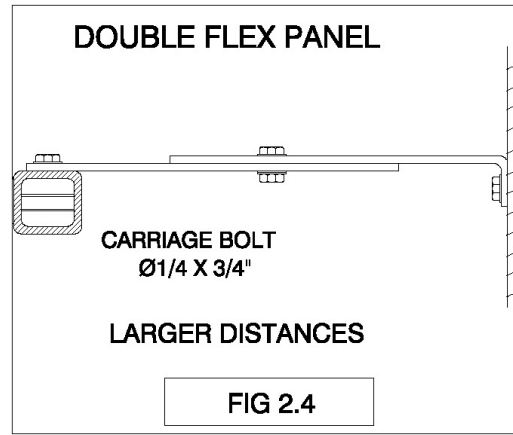
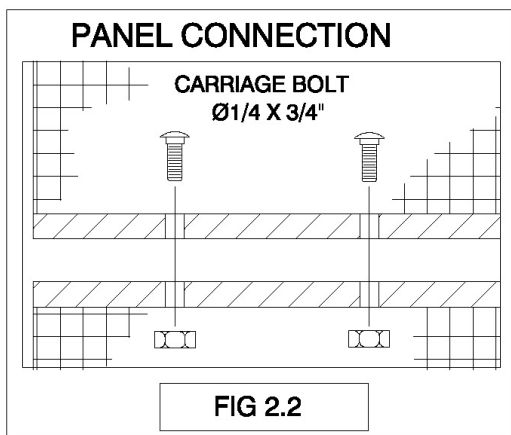
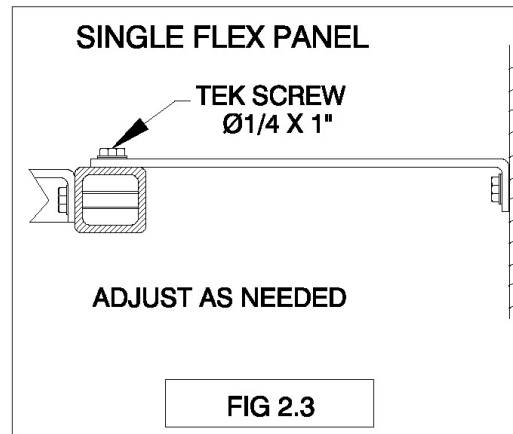
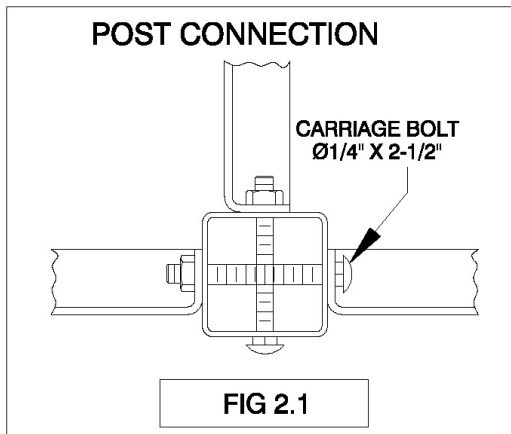


FIGURE 9 POST AND PANEL CONNECTIONS



- A. REFERRING TO INSTALLATION DRAWINGS, POSITION & ALIGN POSTS.
- B. PLACE PANELS ACCORDING TO ORIENTATION INDICATED ON INSTALLATION PLAN.
- C. USING $\phi 1/4 \times 3$ " CARRIAGE BOLTS, CONNECT PANELS TO PRE-PUNCHED POSTS (FIG 2.1)
- D. CONNECT PANELS TOGETHER USING $\phi 1/4 \times 3/4$ " CARRIAGE BOLTS (FIG 2.2).
- E. FLEX PANELS ARE SOMETIMES USED TO CLOSE SMALL GAPS TO EXISTING WALLS. USE $\phi 1/4 \times 1$ " TEK SCREWS & $\phi 1/4 \times 3/4$ " CARRIAGE BOLTS (FIG 2.3 & 2.4).

DOUBLE SWING DOOR

FOR TRANSOM PANEL, ATTACH TO POST USING $\phi 1/4" \times 2-1/2"$ CARRIAGE BOLTS.

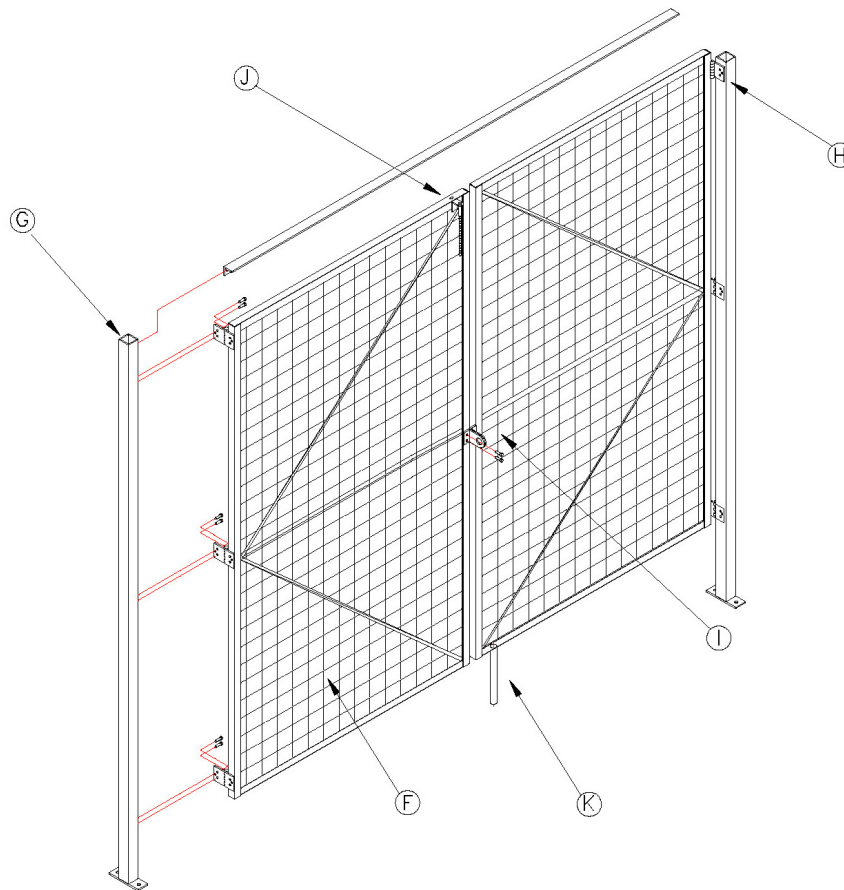
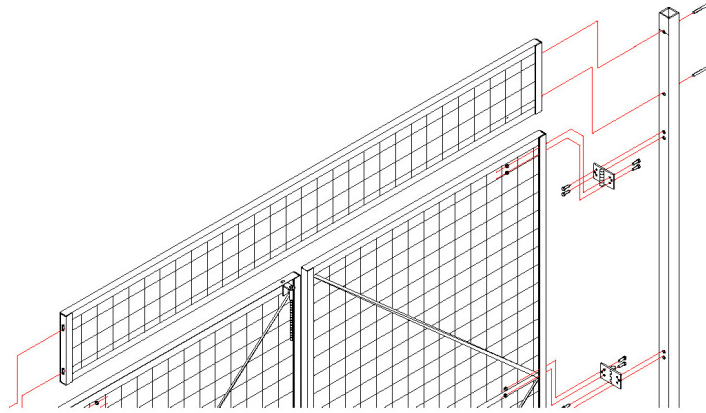


FIGURE 10 DOUBLE SWING DOOR ASSEMBLY

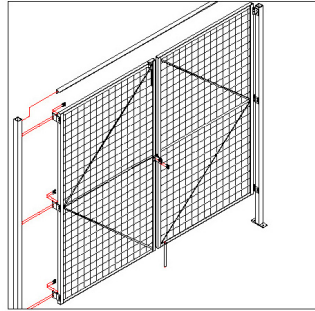


FIGURE 4.1

[F] LOCATE DOORS ON INSTALLATION PLANS.

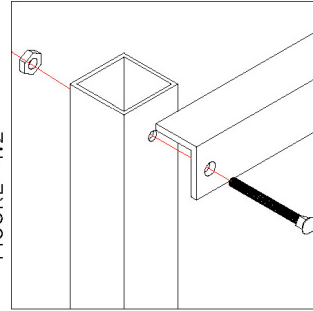


FIGURE 4.2

[G] A 2X2" ANGLE TRANSOM BAR IS FASTENED TO POSTS WITH CARRIAGE BOLTS $\phi 1/4 \times 3"$. MAKE SURE IT IS IN THE RIGHT ORIENTATION TO ALLOW DOOR TO OPEN. DRILL HOLE ON SITE.

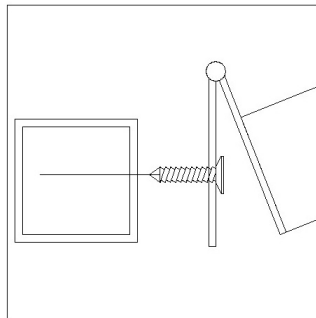


FIGURE 4.3

[H] CONNECT WELDED DOOR HINGES TO POSTS USING $\phi 1/4 \times 3/4"$ WAFERHEAD TEK SCREWS.

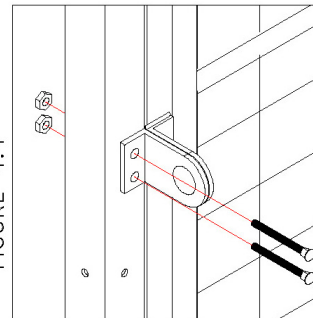


FIGURE 4.4

[I] AFTER DOOR IS INSTALLED AND ADJUSTED, ALIGN PADLOCK HASP WITH HASP WELDED TO DOOR AND ATTACH USING $\phi 1/4 \times 3"$ CARRIAGE BOLTS OR WELD ON SITE. DRILL HOLES ON SITE.

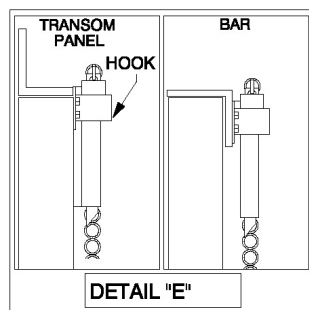


FIGURE 4.5

[J] INSTALL HOOK FOR CHAIN BOLT WITH TEK SCREWS $\phi 1/4 \times 1"$ ON DOOR.

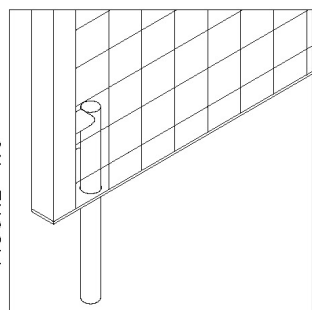


FIGURE 4.6

[K] DRILL A $\phi 5/8"$ HOLE IN CONCRETE SLAB TO RECEIVE CANE BOLT.

SINGLE SWING DOOR

WARNING: TO INSTALL TRANSOM PANEL INSTEAD OF TRANSOM ANGLE, USE $\phi 1/4 \times 3"$ CARRIAGE BOLT.

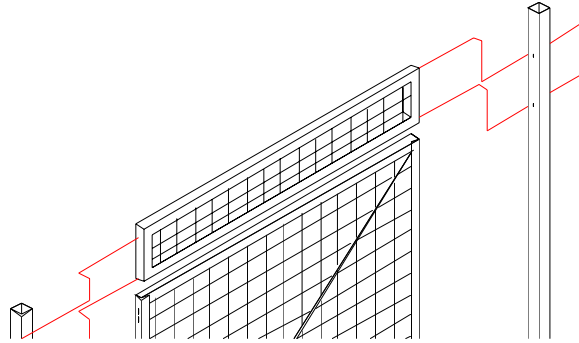


FIGURE 11 TRANSOM PANEL

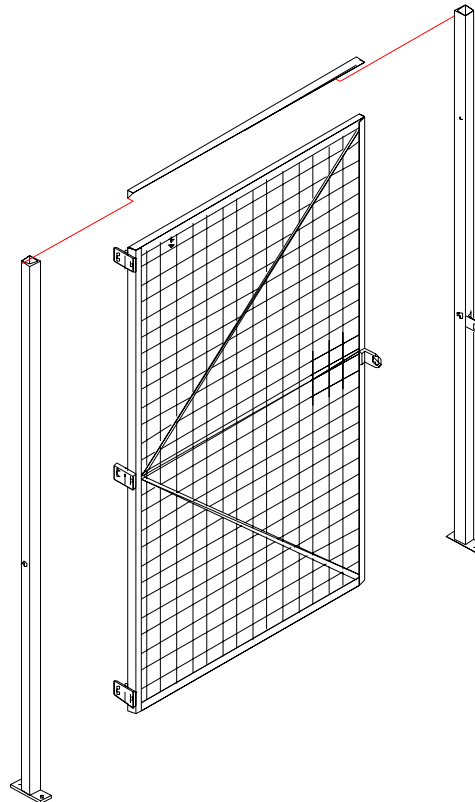


FIGURE 12 TRANSOM ANGLE

DUTCH DOOR

NOTE: FOLLOW THE SAME GENERAL PROCEDURES FOR DOUBLE SWING DOORS.

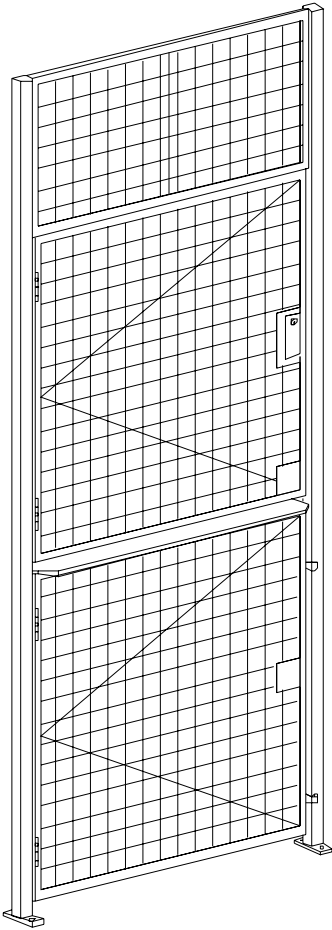
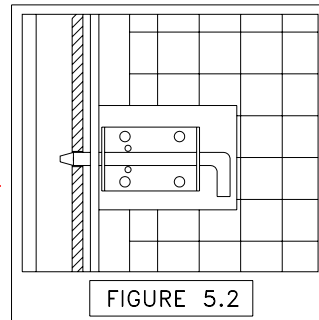
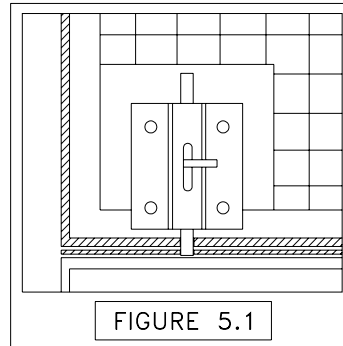


FIGURE 13 DUTCH DOOR

DRILL ONE HOLE $\phi 1/4"$ ON SHELF COUNTER TO RECEIVE BARREL BOLT.



LEAVE $3/8"$ BETWEEN LOWER & UPPER SECTIONS OF DOOR.

SINGLE SLIDING DOOR

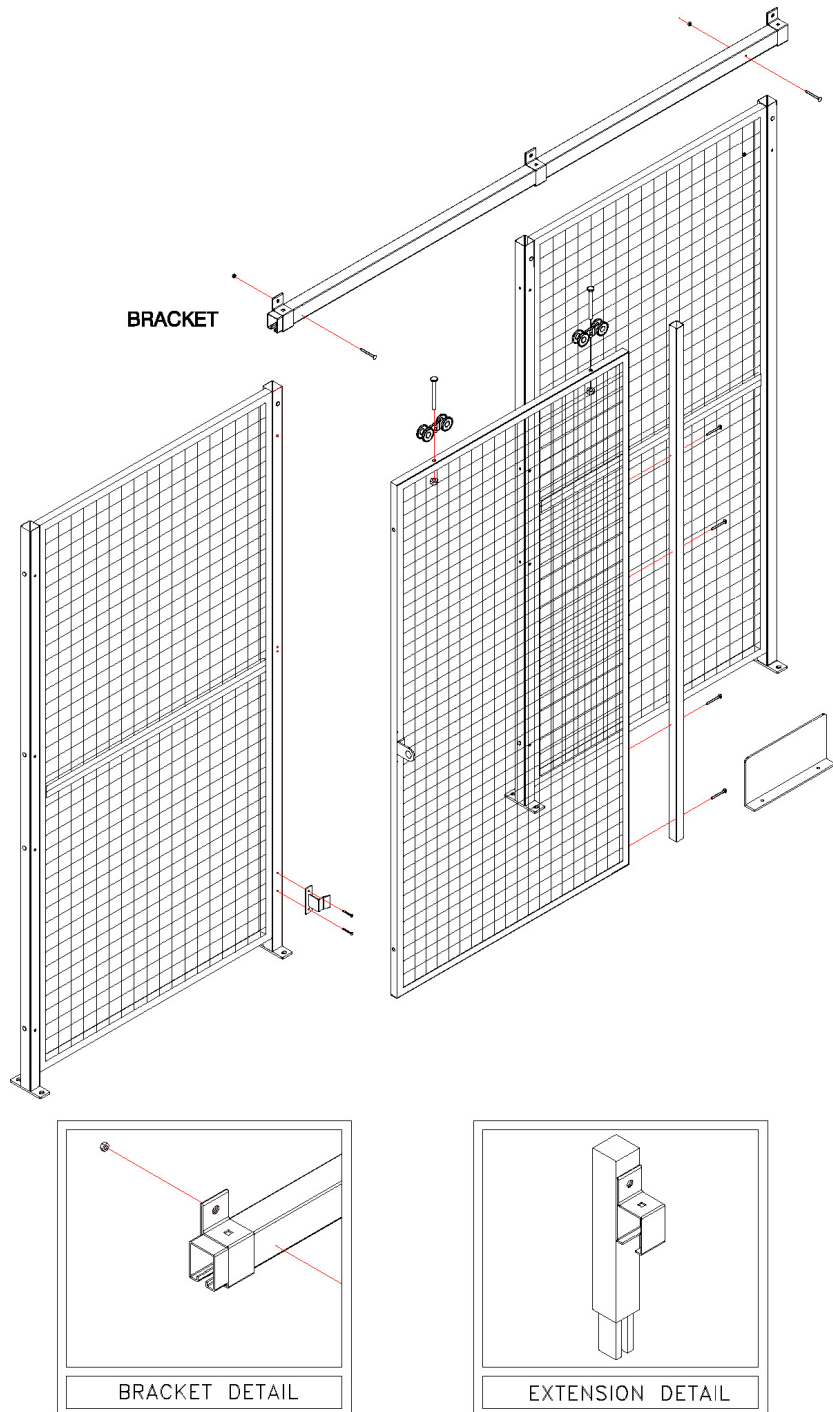


FIGURE 14 SINGLE SLIDE DOOR

TUNNEL DOOR

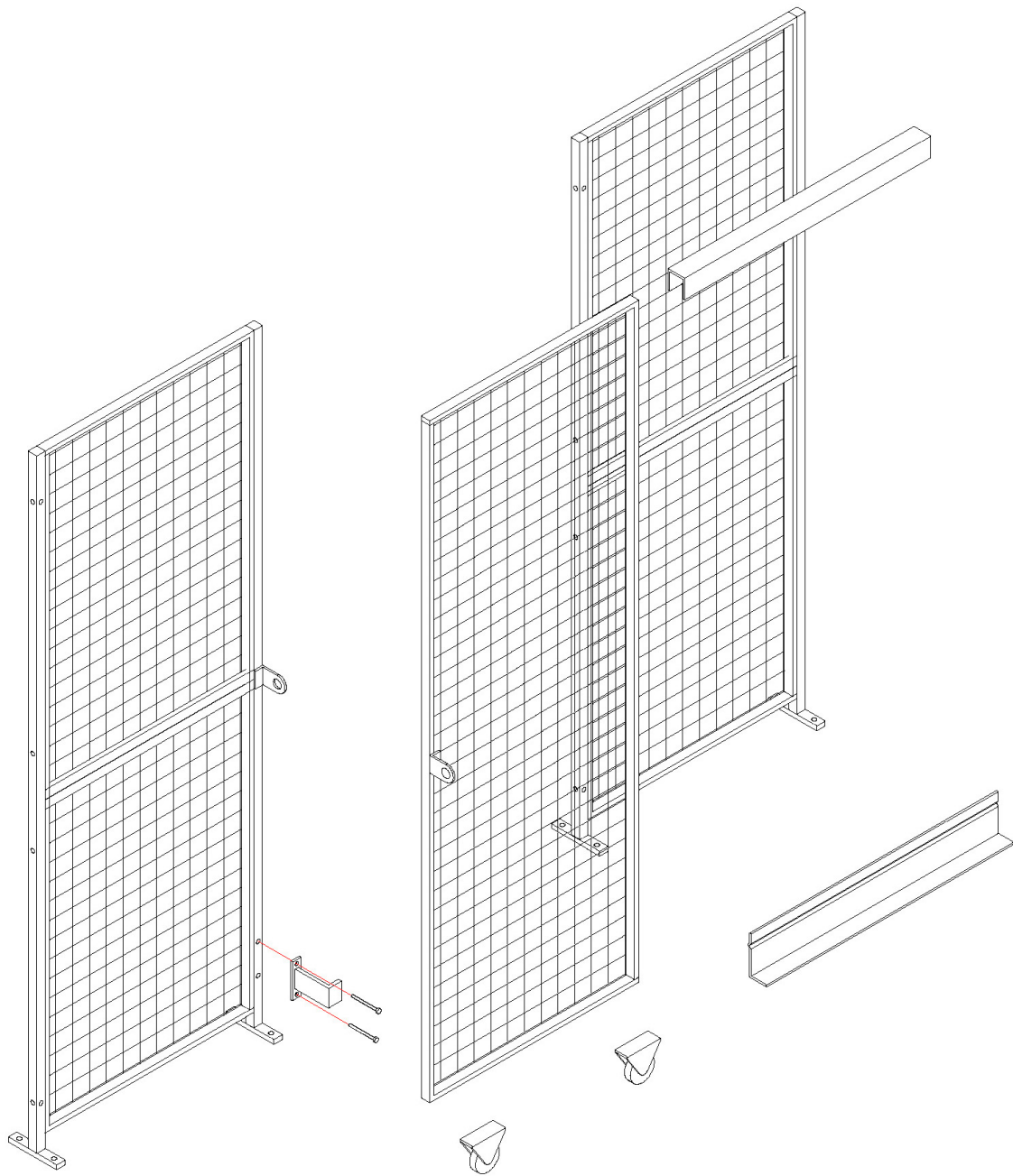


FIGURE 15 TUNNEL DOOR

LARGE SLIDING DOOR

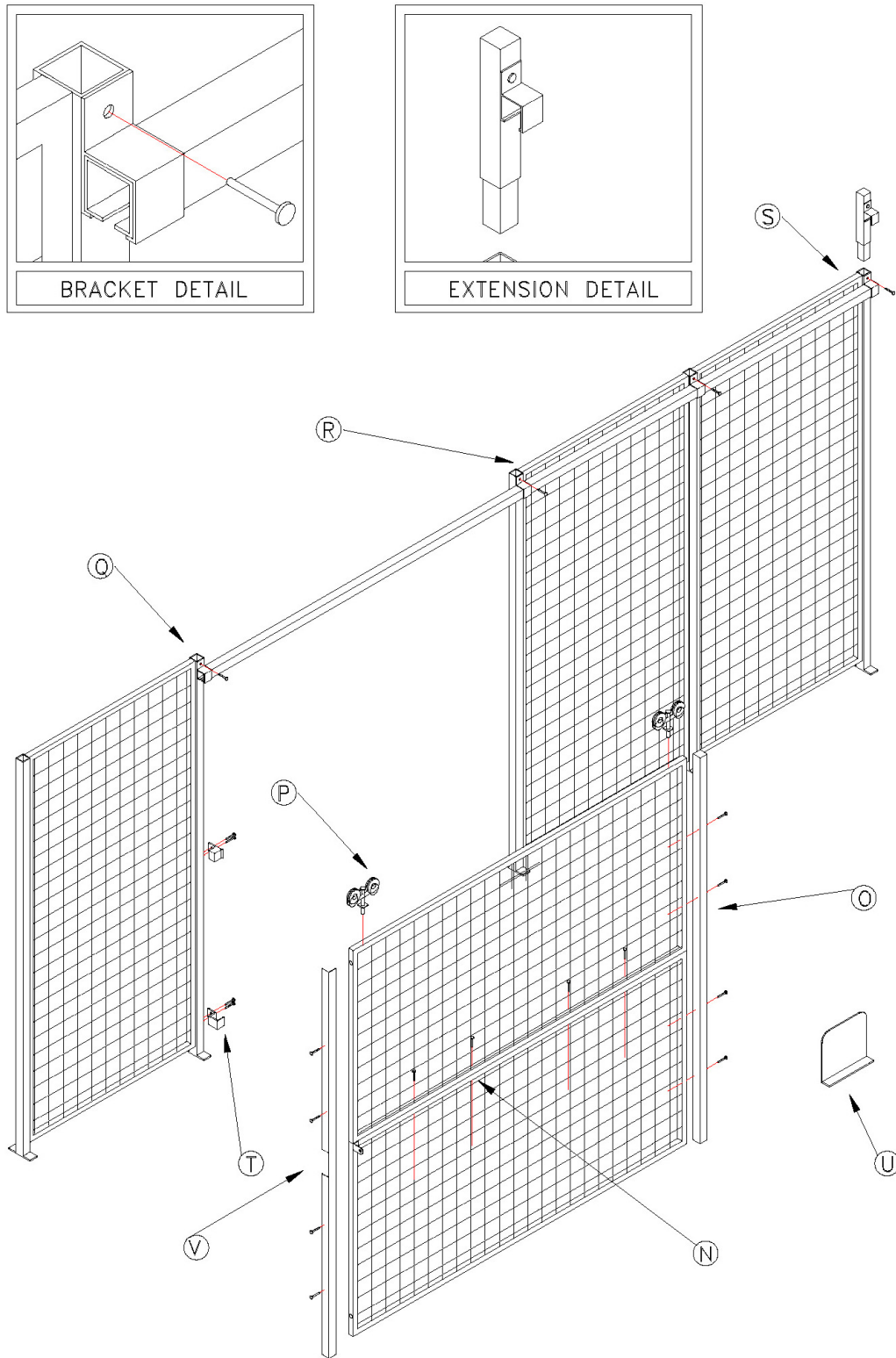


FIGURE 16 LARGE SLIDING DOOR

SLIDING DOORS



SLIDING DOOR ASSEMBLIES MAY REQUIRE THE USE OF 6" EXTENSION BRACKETS. IF THE DOOR HEIGHT IS THE SAME AS THE PARTITION WALL, INSERT THE EXTENSIONS IN THE PARTITION POSTS WHERE REQUIRED.

IF THE DOOR HEIGHT IS LOWER THAN THE PARTITION WALL, INSTALL THE BRACKET DIRECTLY ON THE POSTS.

DOOR MUST BE 2" ABOVE THE FLOOR.

[N] FOR LARGE SLIDING DOORS, ASSEMBLE DOOR PANELS TOGETHER USING $\phi 1/4" \times 3/4"$ CARRIAGE BOLTS (REFER TO INSTALLATION PLANS). REPEAT PROCESS FOR ANGLE ON LOCKING SIDE.

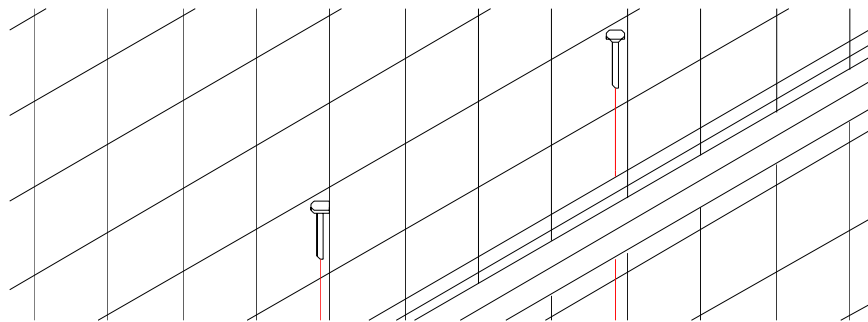


FIGURE 17 SLIDING DOOR - PANEL ASSEMBLY

[O] INSTALL THE 1-1/2"X1-1/2" FRAME TUBING ON THE NON-LOCKING SIDE OF THE ASSEMBLED PANELS USING $\phi 1/4" \times 3"$ CARRIAGE BOLTS.

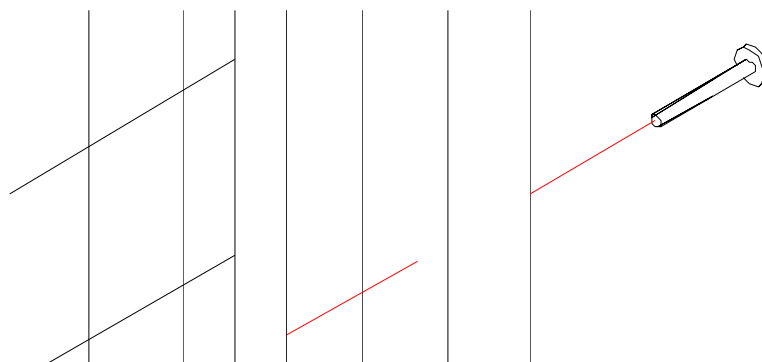


FIGURE 18 SLIDING DOORS - TUBE FRAME ASSEMBLY



[P] INSTALL TROLLEY ASSEMBLY INTO $\phi 1/2"$ PREDRILLED HOLES ON THE TOP OF PANEL. THERE SHOULD BE A 1" CLEARANCE BETWEEN THE DOOR AND THE WHEELS.

NOTE: FOR SINGLE DOORS, $\phi 1/2"$ HOLES ARE DRILLED ON BOTH THE TOP AND THE BOTTOM OF THE PANEL.

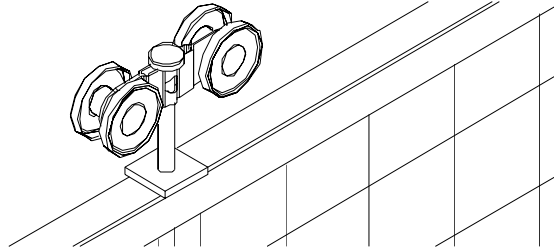


FIGURE 19 SLIDING DOOR - TROLLEY ASSEMBLY



[Q] SLIDE THE BRACKETS INTO TRACKS. THE TRACK IS PRE-CUT TO FIT EXACTLY OVER A SPAN OF 3 TO 4 POSTS.

NOTE: TO AVOID TRANSPORT DAMAGE, THE TRACK MAY COME IN SEVERAL PIECES. EACH LENGTH FITS EXACTLY BETWEEN THE CENTER OF A POST TO ANOTHER.

- A. AT THE EXTREMITIES, THE TRACK SHOULD BE FLUSH WITH THE OUTSIDE EDGE OF THE END BRACKETS & POSTS.
- B. TWO ADJOINING TRACKS, IF NECESSARY ARE CENTERED WITHIN A CENTRAL BRACKET.

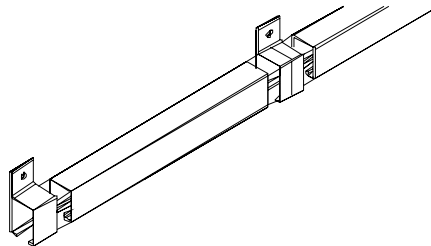


FIGURE 20 SLIDING DOOR - TRACK ASSEMBLY



[R] ATTACH BRACKET-TRACK SYSTEM TO POSTS USING $\phi 1/4" \times 3"$ CARRIAGE BOLTS. DRILL HOLE ON POST AT APPROPRIATE LOCATION AND ATTACH SYSTEM TO POSTS (OR SLIDE EXTENSION SLEEVES) WITH TRACK-BRACKET SYSTEM INTO POSTS. (SEE SINGLE SLIDING DOOR)

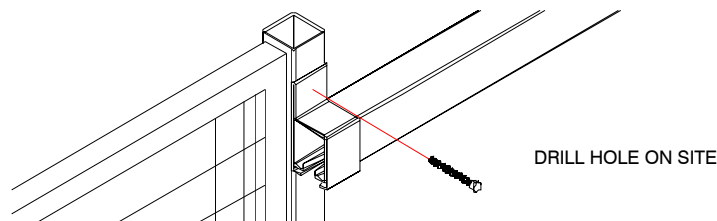


FIGURE 21 SLIDING DOOR - BRACKET-TRACK SYSTEM



[S] NOW, JUST SLIDE THE ASSEMBLED DOOR ONTO TRACK.

IMPORTANT SAFETY INSTRUCTIONS:

ONCE THE TROLLEYS ARE INSIDE THE TRACK, SLIDE THE DOOR ALONG THE GUIDE UNTIL IT CLEARS THE OPENING. NOTE WHERE THE LAST PAIR OF TROLLEYS ARE LOCATED, PUT A $\phi 1/4$ "X1" TEK SCREW JUST BESIDE THE WHEEL. THIS WILL PREVENT THE DOOR FROM SLIDING OFF THE TRACK. REPEAT THIS OPERATION ONCE THE DOOR IS CLOSED AND LEANING AGAINST THE STOPPER THAT IS INSTALLED ON THE PARTITION POST.

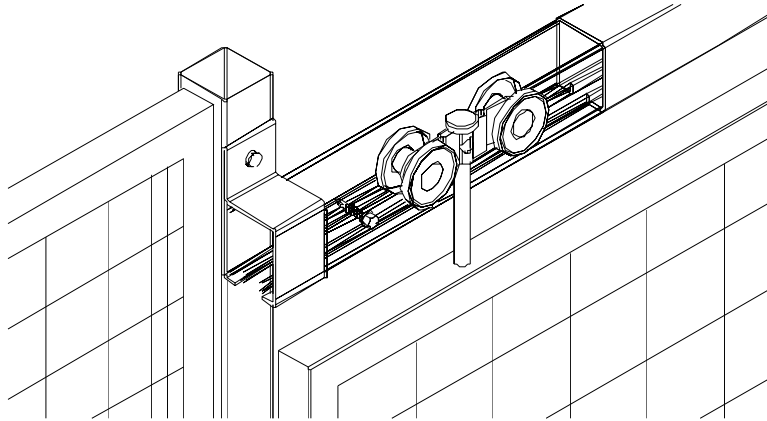


FIGURE 22 SLIDING DOOR - DOOR INTO TRACK ASSEMBLY



[T] INSTALL STOPPER ON THE SIDE OF POST WHERE THE DOOR CLOSES USING $\phi 1/4$ "X3" CARRIAGE BOLTS. THE STOPPER SHOULD BE CENTERED ON THE POST AND BE 16" FROM THE GROUND.

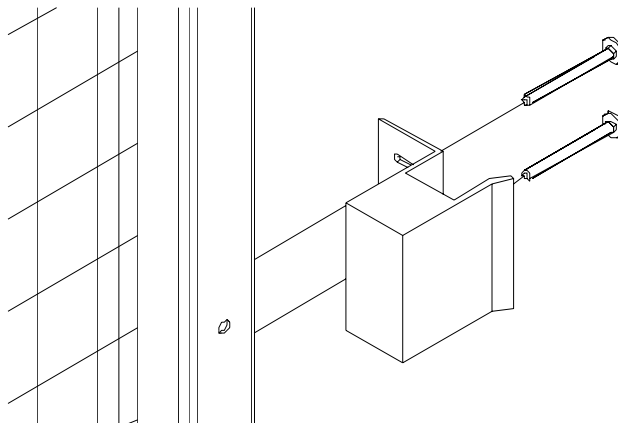


FIGURE 23 SLIDING DOOR - STOPPER ASSEMBLY



[U] INSTALL GUIDE ONTO FLOOR 2" FROM POST WHERE THE DOOR OPENS. ALIGN IT TO THE PARTITION WALL AND LEAN IT AGAINST THE PARTITION POST. THE FOOT SHOULD BE ANCHORED ON THE INSIDE OF THE BASEPLATES. USE $\phi 3/8$ " \times 2-3/4" ANCHORS.

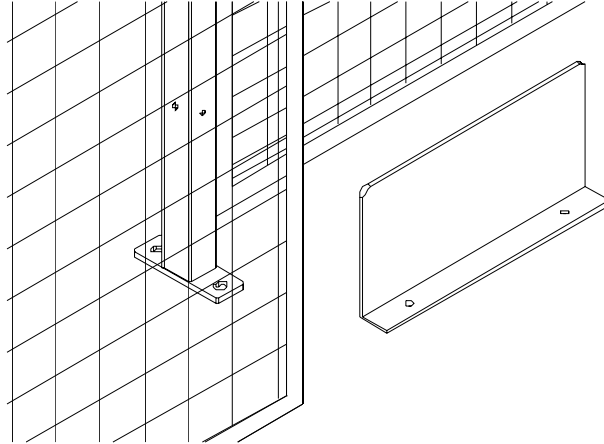


FIGURE 24 SLIDING DOOR - GUIDE



[V] INSTALL THE HASPS WITH $\phi 1/4$ " \times 3" CARRIAGE BOLTS OR WELDING HASPS INTO PLACE. THE TWO HASPS SHOULD BE DIFFERENT IN LENGTH. THE SMALL HASP IS USUALLY PLACED ON THE PARTITION PANEL AND THE LONG HASP ON THE PARTITION POST. THIS MAY VARY DEPENDING ON WHETHER THE TRACK IS ON THE FRONT OR BACK SIDE OF THE PARTITION WALL.

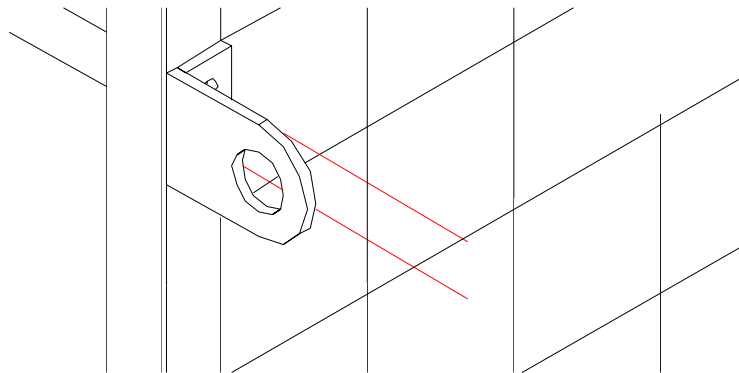


FIGURE 25 SLIDING DOOR - HASPS

ANGLED POST CONNECTION

WARNING: WHEN POSTS ARE ANGLED, HINGES ARE SUPPLIED FOR CONNECTING PANELS & POSTS.

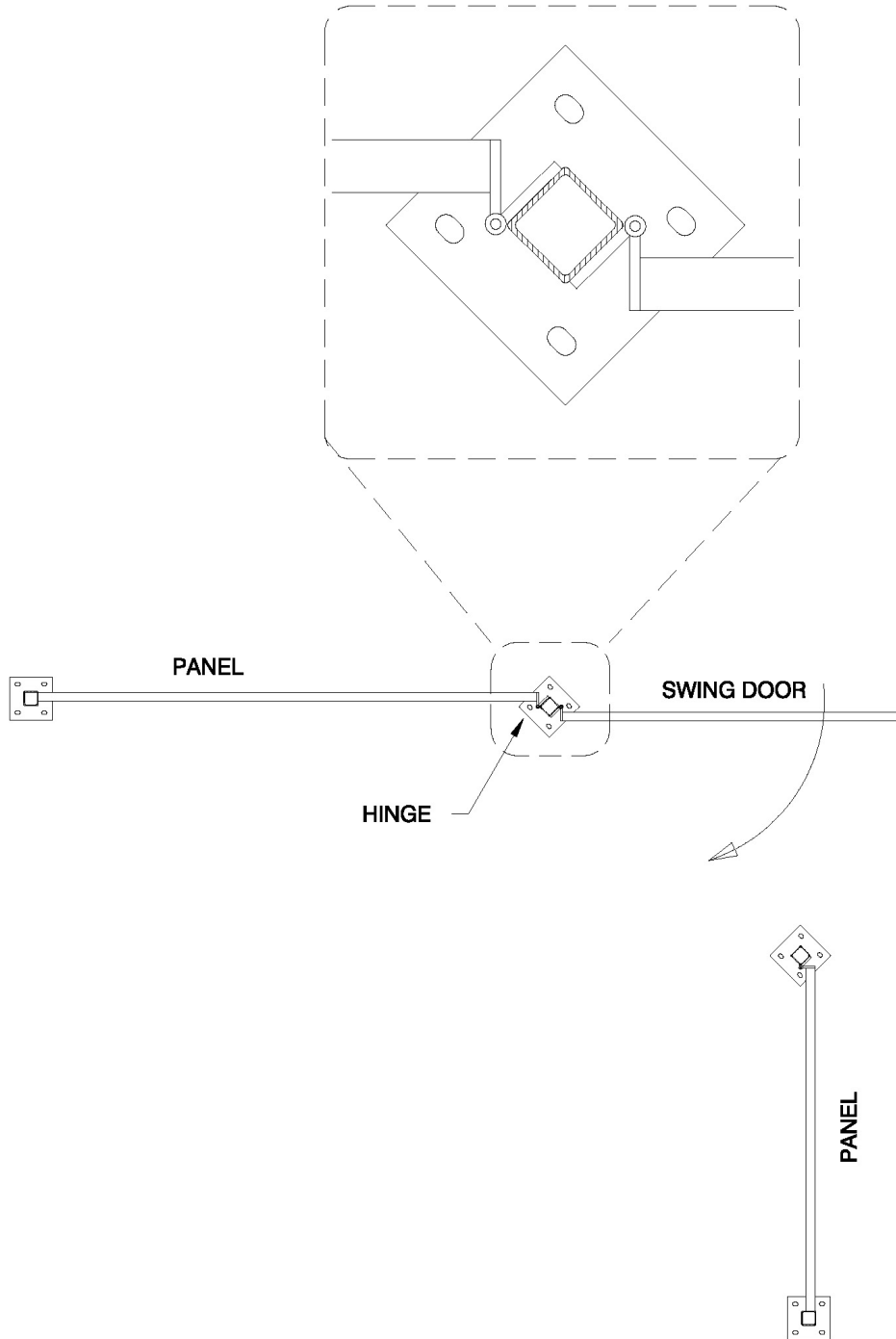


FIGURE 26 ANGLED POST CONNECTION

SLIDING DOORS

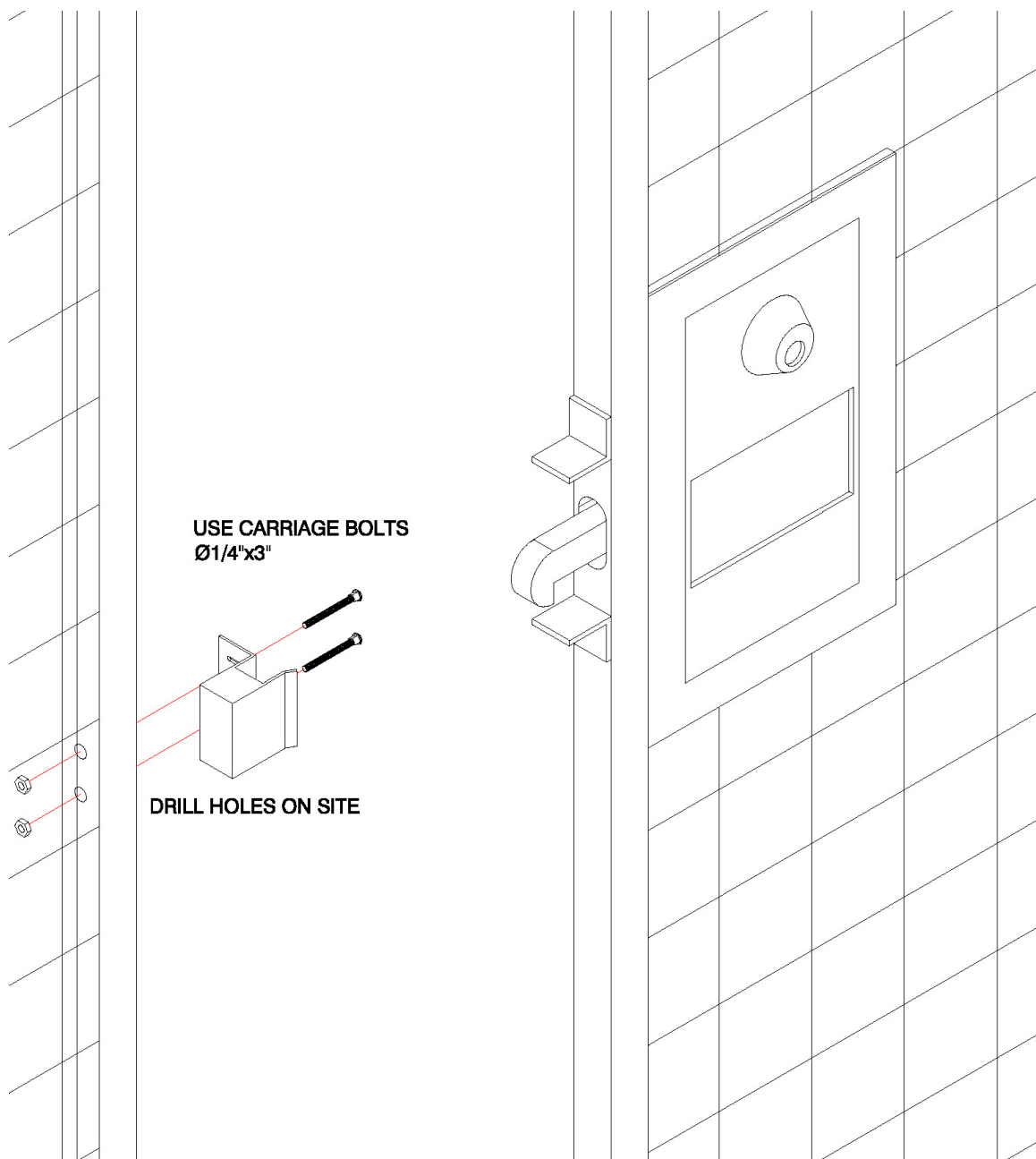


FIGURE 27 SLIDING DOOR

SWING DOORS

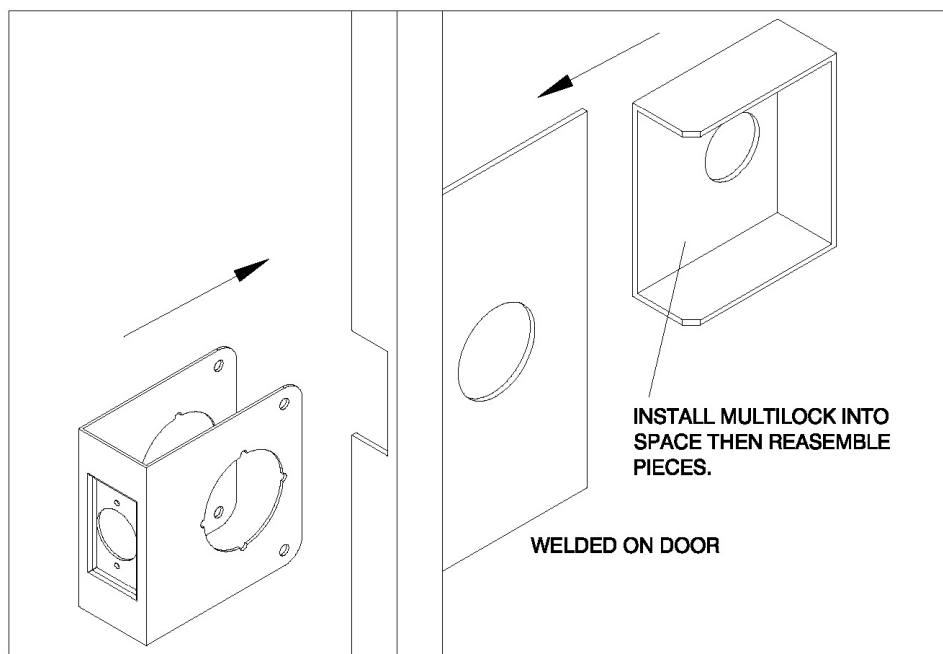
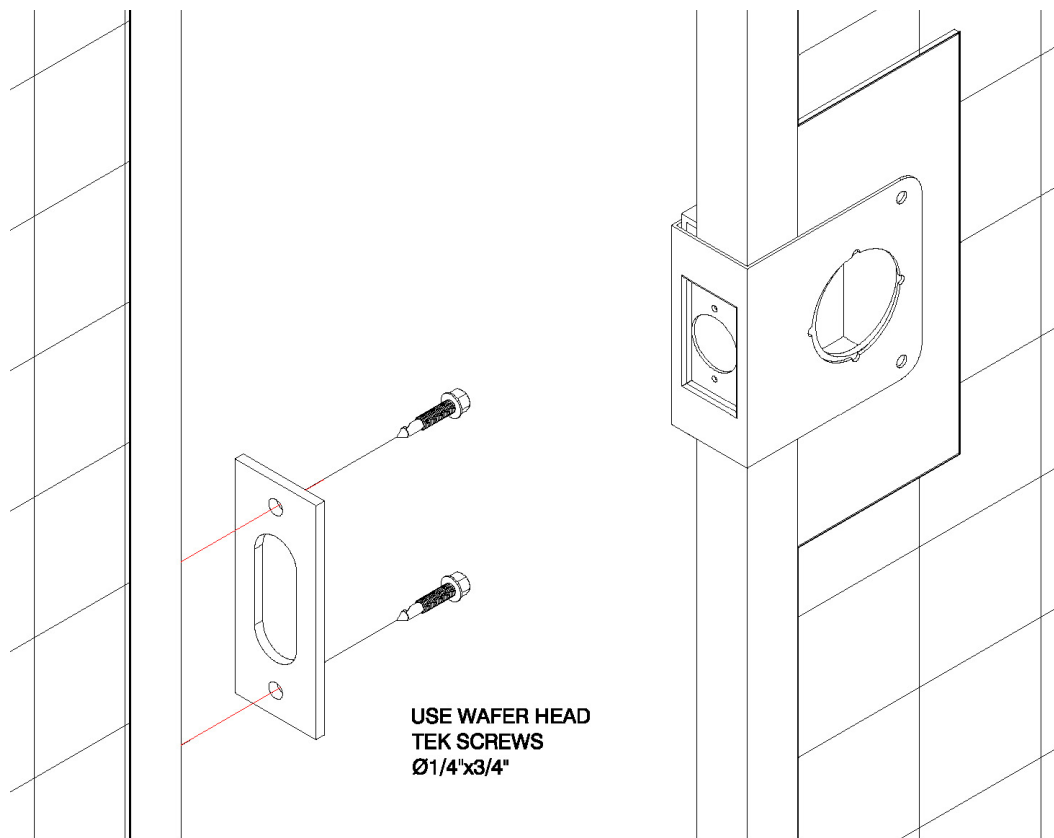


FIGURE 28 SWING DOORS

TYPICAL ROOF LAYOUT



ONCE PARTITION WALLS ARE INSTALLED, SLIDE ROOF TRUSS INTO POSTS AND TIE ANGLES ON EACH END WITH $\phi 1/4"$ X $3/4"$ CARRIAGE BOLTS. INSTALL ROOF PANELS FOLLOWING SAME PROCEDURE AS "POSTS AND PANEL PROCEDURE".

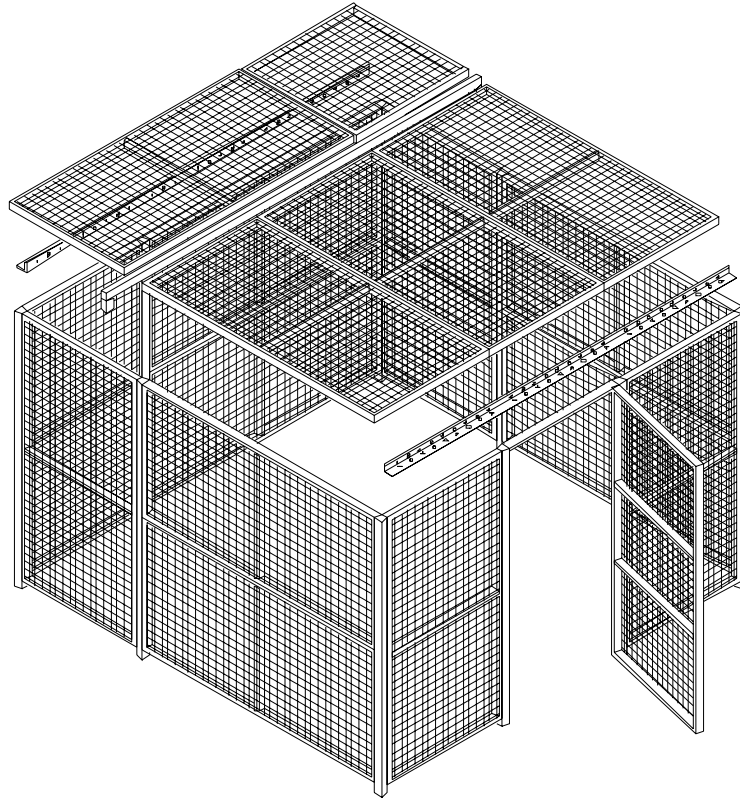


FIGURE 29 TYPICAL ROOF LAYOUT

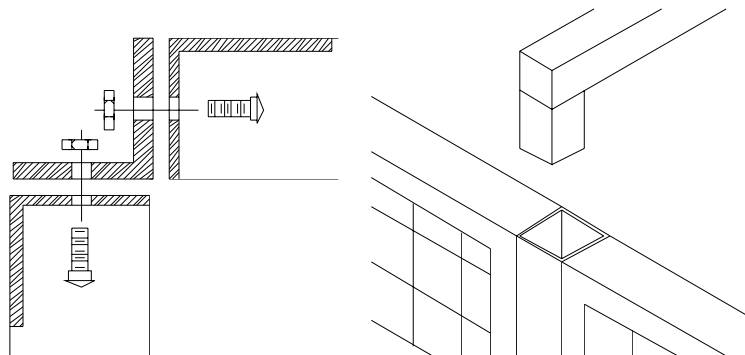


FIGURE 30 ROOF DETAILS

SERVICE WINDOW DOOR



TO INSTALL SERVICE WINDOW, CUT OUT MESH IN PANEL. THEN INSTALL FLATS AGAINST ANGLES AND USE $\phi 1/4$ "X3/4" CARRIAGE BOLTS TO ATTACH THEM TOGETHER.

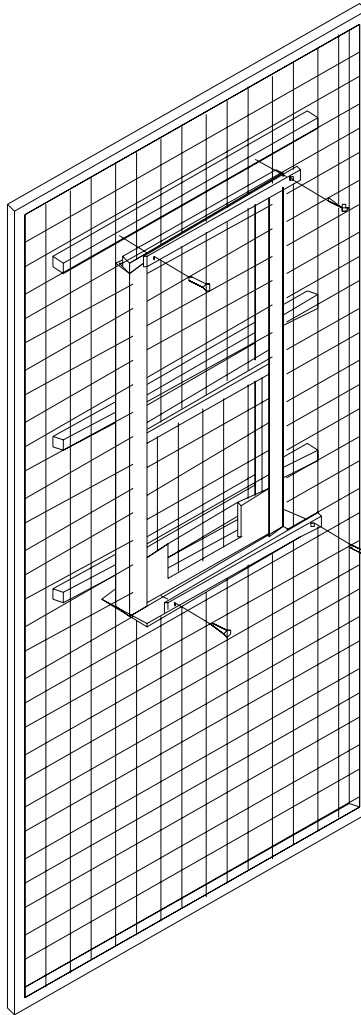
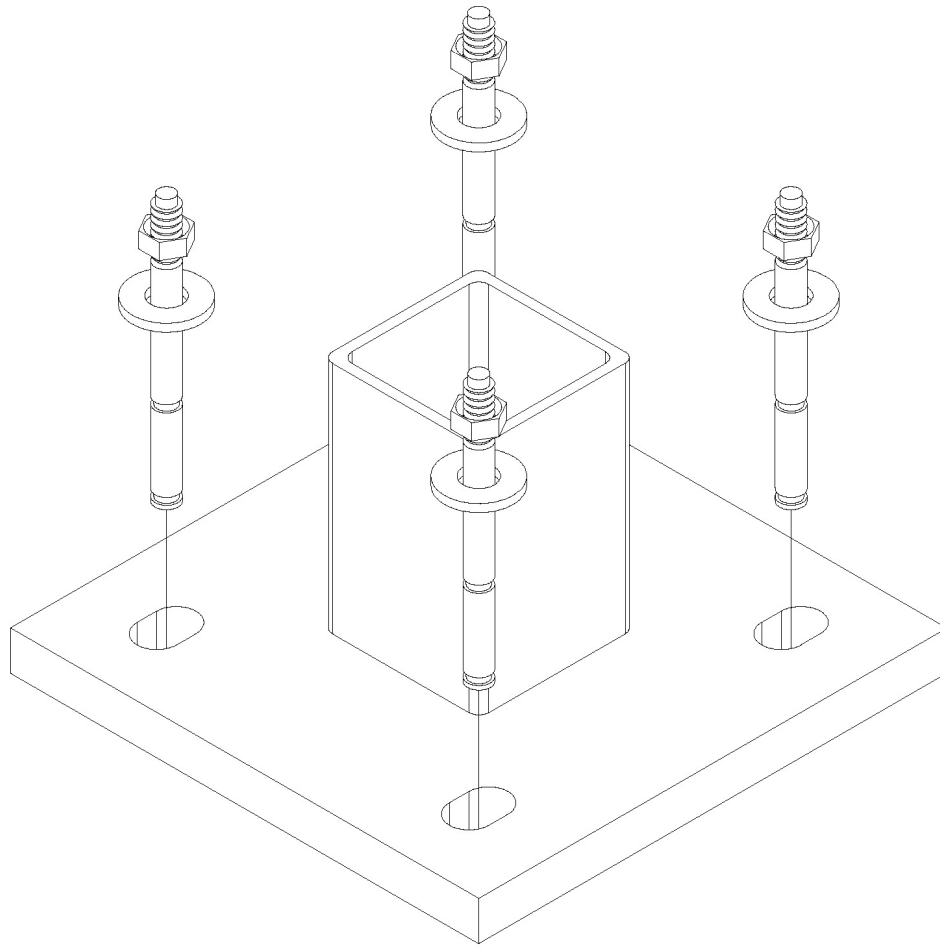


FIGURE 31 SERVICE WINDOW DOOR

ANCHORING



OPTIONS

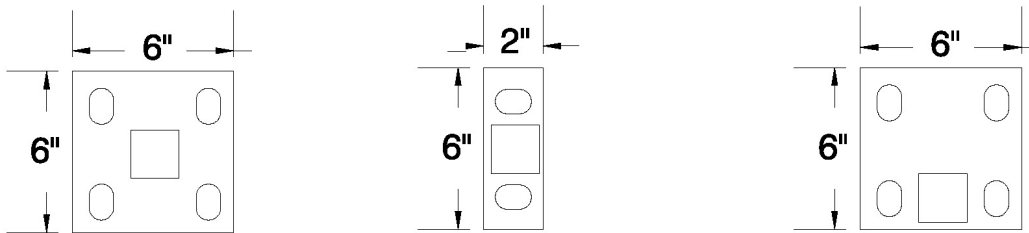
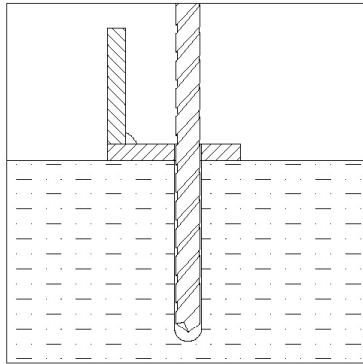
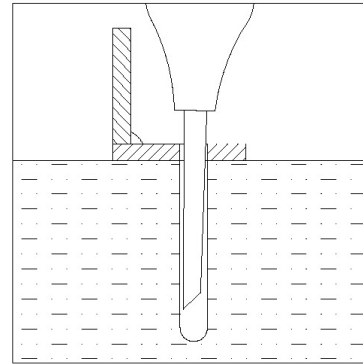


FIGURE 32 TYPICAL BASE PLATES

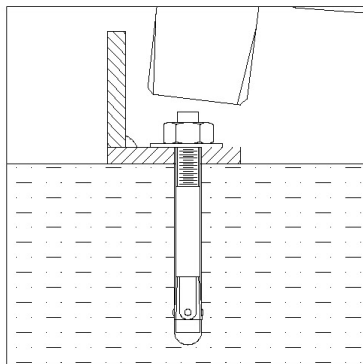
NOTE: ANCHORS USUALLY USED FOR STANDARD SIZE WIRE MESH PARTITIONS ARE $\phi 3/8"$ x2-3/4".
(ANCHORS ARE NOT SUPPLIED BY COGAN)



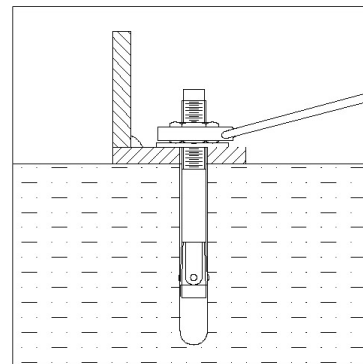
**1. SIMPLY HAMMER DRILL A HOLE THE SAME NOMINAL DIAMETER AS THE WEDGE ANCHOR WITH OR WITHOUT THE FIXTURE IN PLACE.
NOTE: HOLE MUST BE AT LEAST AS DEEP AS LENGTH OF BOLT.**



2. CLEAN HOLE WITH BLOW OUT BULB.



3. DRIVE THE ANCHOR FAR ENOUGH INTO THE HOLE SO THAT AT LEAST SIX THREADS ARE BELOW THE TOP SURFACE OF THE FIXTURE, USING A HAMMER.



4. TIGHTEN TO THE RECOMMENDED TORQUE VALUE WITH A TORQUE WRENCH. IF WRENCH IS NOT AVAILABLE 2 TO 3 TURNS FROM THE FINGER TIGHT POSITION TO ACHIEVE PROPER ANCHOR SETTING.

FIGURE 33 ANCHORING DETAILS