GENERAL:

B/R FIBERGLASS IS A MULTIPLE–PLY BALLISTIC FIBERGLASS LAMINATE IMPREGNATED WITH A THERMOSTAT POLYESTER RESIN BINDER. THE MULTIPLE–PLY CONFIGURATION PROVIDES A DELAMINATION EFFECT WHEN BALLISTICALLY ATTACKED. BULLETS ARE THEREFORE EMBEDDED WITHIN ITS PLY RATHER THAN BE RICOCHETED LIKE STEEL OR ALUMINUM ARMOR.

B/R FIBERGLASS IS A FRACTION OF THE WEIGHT OF STEEL ARMOR FOR IDENTICAL PERFORMANCE LEVELS. IT CAN BE CUT, DRILLED, AND WORKED USING CONVENTIONAL CARPENTRY TOOLS. NO REINFORCING OF TRADITIONAL STUD WALL CONSTRUCTION IS NEEDED. ATTACHMENT TO NEW WALLS IS AS EASY AS BONDED APPLICATION TO EXISTING WALLS OR UNDER COUNTERFEIT RETROFITS.

B/R FIBERGLASS IS COMPATIBLE WITH CONTACT OR CONSTRUCTION ADHESIVES WHICH MAKE IT IDEAL TO INCORPORATE WITHIN WOOD DOOR AND MILLWORK PANELS.

CUTTING AND DRILLING:

B/R FIBERGLASS CAN BE CUT OR DRILLED USING A CONVENTIONAL CIRCULAR SAW, SABER SAW, AND/OR DRILL MOTOR.

CUTTING IS TO BE DONE WITH A GRIT EDGE BLADE, PREFERABLY WITH A DIAMOND EDGE. IF A DIAMOND GRIT EDGE IS NOT AVAILABLE, ONE CAN SUBSTITUTE A MASONRY BLADE. ALWAYS USE A FRESH BLADE WHEN CUTTING B/R FIBERGLASS.

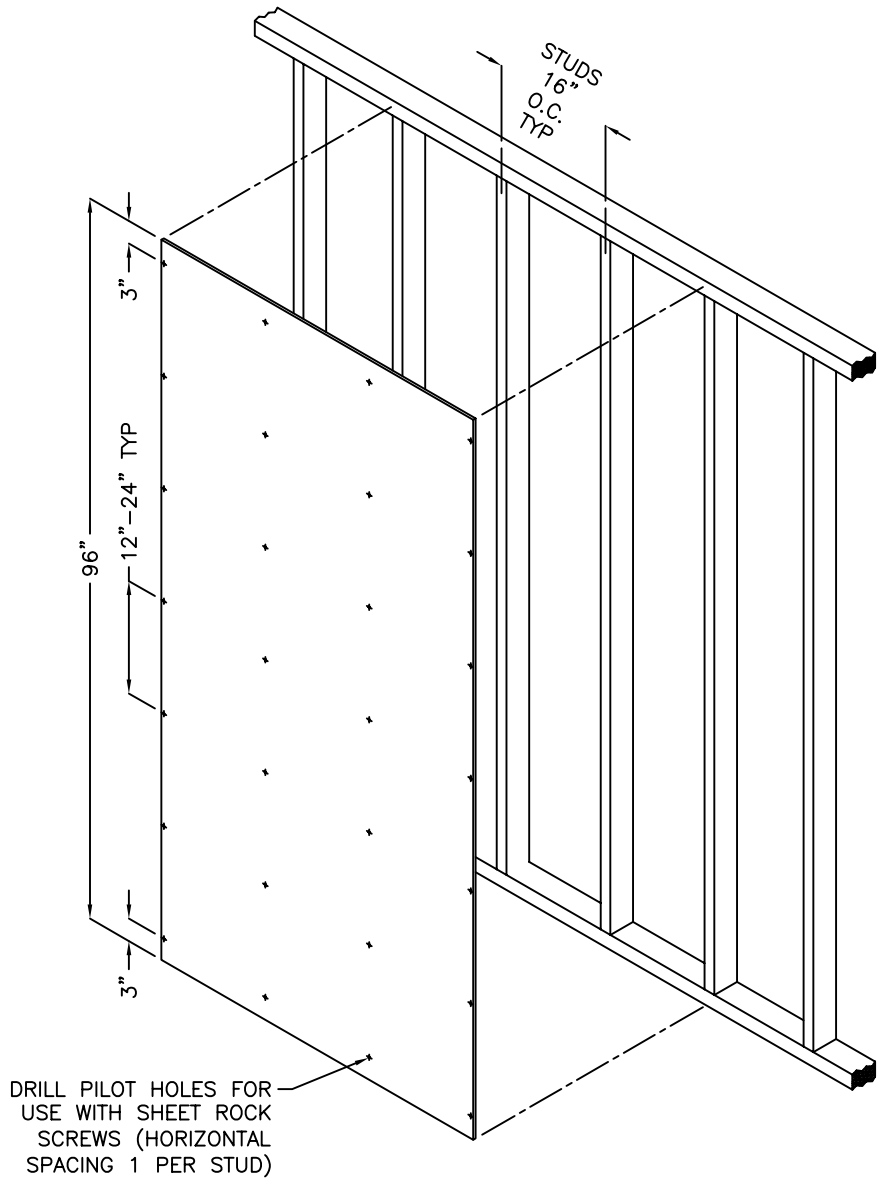
DRILLING CAN BE ACCOMPLISHED USING A HIGH SPEED TWIST DRILL BIT. INFORMATION REGARDING LOCAL AVAILABILITY OF BLADES CAN BE RECEIVED FROM REMGRIT.

INSTALLATION:

OVERLY RECOMMENDS THAT PILOT HOLES BE DRILLED IN B/R FIBERGLASS TO ACCOMMODATE HANGING MATERIAL ON STUD WALLS. THE USE OF SHEETROCK SCREWS AT 12" TO 24" ON CENTER IS DESIRABLE. TO ENSURE COMPLETE PROTECTION AT SEAMS, WE RECOMMEND INCORPORATING 4" OVERLAP STRIPS OF B/R FIBERGLASS (SEE *OFP–002*). THESE OVERLAY STRIPS CAN BE SET FIRST AS BATTENS WITH FULL SIZE SHEETS OF B/R FIBERGLASS MOUNTED UPON THE BATTENS TO CREATE A SMOOTH EXTERIOR. SHEETROCK OR OTHER WALL COVERINGS CAN BE BONDED OVER THE B/R FIBERGLASS WITH CONSTRUCTION ADHESIVE.

AN ALTERNATE WAY TO INCORPORATE BATTENS IS TO HANG THE B/R FIBERGLASS FIRST AND OVERLAP THE SEAMS WITH THE 4" BATTEN STRIP. SHEETROCK CAN THEN BE INSTALLED ON EITHER SIDE OF THE BATTEN AND THE REMAINING VOID CAN BE SPACKLED AND FINISHED ALONG WITH THE SHEETROCK SURFACE (SEE *OFP–003*).

FOR MILLWORK APPLICATIONS, TREAT B/R FIBERGLASS LIKE PLYWOOD. SINCE THE MATERIAL IS VERY STABLE AND SUBJECT TO LITTLE OR NO EXPANSION OR CONTRACTION, IT CAN BE LAMINATED INTO SANDWICH PANELS. USE STANDARD CONSTRUCTION ADHESIVE OR CONTACT CEMENT FOR TYPICAL JUDGES BENCH APPLICATION (SEE *OFP–004*).



Installation Instructions for Model OFP Flush Bullet-Resistive Fiberglass Panel

OVERLY DOOR COMPANY
574 West Otterman Street
Greensburg, PA 15601
Phone: 800-979-7300
Fax: 724-830-2871
Email: overly@overly.com

DO NOT SCALE DRAWING	
DRAWN BY/DATE:	JMC 10/25/2005
CONTROL NUMBER:	DET-173
FILENAME:	ins-ofb.dwg