GPX FIRE RATED WINDOW WALL SYSTEM

CHART ABOVE APPLIES TO SINGLE FIXED WINDOW OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER TEXAS APPR'D WINDOWS USING AN APPROVED MULLION IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

MULTIPLE LITES WITH SAFTIFIRST MULLIONS SEE CHART ON SHEET 2 FOR LIMITATIONS.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

NOTE: MAX. GLASS AREA OF ANY LITE TO NOT EXCEED TESTED GLASS AREA OF 31.2 SQ. FT.
METAL STRUCTURES NOT BY ‘SAFTIFIRST’ MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

**TYPICAL ANCHORS:**

1/4" DIA. ULTRACON® BY ‘DENAL’ (f’u=164 KSI, f’y=148 KSI)

DIRECTLY INTO CONCRETE OR BLOCKS.

1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-1/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

1/4" DIA. TEYES OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES (HEAD/SILL/JAMBS)

(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 1/8" THK. MIN. (f’y = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1" MIN.

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.
ALL WELDS PER AWS. ELECTRODE = ER70 MIN.