CONSTRUCTION/ASSEMBLY NOTES: PANEL SURFACES: SOLID STEEL FACE IS 16 GA. (MIN.). PERFORATED STEEL FACE IS QUIETLINE 22 GA. (MIN.) WITH $\frac{3}{32}$ " HOLES ON $\frac{3}{16}$ " STAGGERED CENTERS. PANEL CONSTRUCTION V-STACK JOINT: IS AVAILABLE IN "PAINT READY" A-60 GALVANNEAL OR G-90 GALVANIZED STEEL. TYPE 'V-STACK' PANELS INTERLOCK AS ACOUSTIC BARRIER PANEL FILL: HIGH DENSITY, SEMI-RIGID, NON-HYGROSCOPIC FIBERGLASS. THE MAXIMUM THEY ARE INSTALLED WALL PANEL UNSUPPORTED HEIGHT OF FILL SHALL NOT EXCEEDS 231/2". VERTICALLY FINISH: THERMOSETTING TGIC POLYESTER POWDER COATING IN COLOR SELECTED BY INTO WIDE-FLANGED 3. ARCHITECT/CUSTOMER FROM STANDARD COLOR CHART SUPPLIED BY NOISE BARRIERS, BEAM COLUMNS. LLC. COLOR TO BE: PANELS SHALL BE LOWERED CONSECUTIVELY BETWEEN VERTICAL WIDE FLANGED BEAMS. BARRIER WALL SHALL BE DESIGNED TO WITHSTAND WINDLOAD IN ACCORDANCE WITH THE SPECIFIED LOCAL CODE REQUIREMENTS OF THE PROJECT. REFER TO INSTALLATION DETAILS 'OPTION 1' & 'OPTION 2' FOR ALTERNATES. THE BARRIER PANEL ARE DESIGNED TO WITHSTAND WIND LOADS OF 40 POUNDS PER 5. WIDE-FLANGED SQUARE FOOT, BOTH NEGATIVE AND POSITIVE. 1.5 PCF FIBERGLASS STRUCTURAL ACOUSTIC FILL MATERIAL STRUCTURAL STEEL COLUMNS (IF SCHEDULED) CAN BE PROVIDED IN EITHER HOT-DIPPED STEEL COLUMN GALVANIZED, PRIME PAINTED (STD. GREY), OR FINISH PAINTED IN COLOR TO MATCH PANELS. FINISHED PANEL WEIGHT = 5.5 lbs/sq.ff. 22 GA. (MIN.) PERFORATED 58% 16 GA. (MIN.) SOLID STEEL ABSORPTIVE SURFACE BARRIER PANEL ACOUSTIC PERFORMANCE STEEL SURFACE (FACING NOISE SOURCE) 2 SOUND TRANSMISSION LOSS, dB 9 OCTAVE BAND CENTER FREQUENCIES (Hz) 250 500 QUIETLINE 'V-STACK' PANEL (STEEL) 23 31 40 49 56 42 STEEL BASE PL. -*All data in accordance with ASTM E90—99 and E413—87 SOUND ABSORPTION COEFFICIENTS CONCRETE PIER/SLAB ANCHOR BOLT OCTAVE BAND CENTER FREQUENCIES (Hz) OR STRUCT. FRAMING (AS REQ'D) (BY OTHERS) 0.98 0.95 (1.15) QUIETLINE 'V-STACK' PANEL (STEEL) 0.68 1.12 1.08 *All data in accordance with ASTM C423-90a and E795-00 BARRIER WALL ISOMETRIC VIEW WIDE-FLANGED STRUCTURAL STEEL COLUMN (SELECTED TO MEET WIND LOAD REQUIREMENTS) WALL SECTION DETAIL CONT. STRUCTURAL QUIETLINE QUIETLINE WIDE-FLANGED STEEL ANGLES WELDED TYPE 'V-STACK TYPE 'V-STACK' STRUCTURAL TO WEB OF COLUMNS ACOUSTIC BARRIER ACOUSTIC BARRIER STEEL COLUMN WALL PANEL WALL PANEL SECTION A-A - OPTION #1 SECTION A-A - OPTION #2 WIDE FLANGED BEAM DETAIL FOR STANDARD WIDE FLANGED BEAM DETAIL FOR HIGH WIND

QUITELINE 'V-STACK'
STEEL
BARRIER PANEL

PROJECT: NOISE BARRIERS STANDARD DETAILS

SUBMITTED BY: DATE:

APPROVED BY: DATE:

SHEET:

LOADS, TALL WALLS, AND POST SPACING

APPLICATIONS

PROPRIETARY

APPLICATIONS

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