CONSTRUCTION/ASSEMBLY NOTES: SHIP LAP JOINT: PANEL SURFACES: SOLID STEEL FACE IS 16 GA. (MIN.). 14 GA. SOLID IS USED IF PANELS INTERLOCK AS PANELS ARE OVER 12 FEET IN LENGTH. PERFORATED STEEL FACE IS 22 GA. (MIN.) WITH $\frac{3}{32}$ " Holes on $\frac{3}{16}$ " staggered centers. Panel construction is available in THEY ARE INSTALLED "PAINT READY" A-60 GALVANNEAL OR G-90 GALVANIZED STEEL. VERTICALLY 15" OVERLAP INTO WIDE-FLANGED PANEL FILL: HIGH DENSITY, SEMI-RIGID, NON-HYGROSCOPIC FIBERGLASS. THE MAXIMUM BEAM COLUMNS. UNSUPPORTED HEIGHT OF FILL SHALL NOT EXCEEDS 231/2". FINISH: THERMOSETTING TGIC POLYESTER POWDER COATING IN COLOR SELECTED BY 3. 1" REVEAL ARCHITECT/CUSTOMER FROM STANDARD COLOR CHART SUPPLIED BY NOISE BARRIERS, LLC. COLOR TO BE: QUIETLINE TYPE 'SL-R' ACOUSTIC BARRIER PANELS SHALL BE LOWERED CONSECUTIVELY BETWEEN VERTICAL WIDE FLANGED BEAMS. WALL PANEL 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. 1.5 PCF FIBERGLASS W6 STRUCTURAL SQUARE FOOT, BOTH NEGATIVE AND POSITIVE. ACOUSTIC FILL MATERIAL STEEL COLUMN STRUCTURAL STEEL COLUMNS (IF SCHEDULED) CAN BE PROVIDED IN EITHER HOT-DIPPED GALVANIZED, PRIME PAINTED (STD. GREY), OR FINISH PAINTED IN COLOR TO MATCH 22 GA. (MIN.) PERFORATED 7. FINISHED PANEL WEIGHT = 5.5 lbs/sq.ft. 16 GA. (MIN.) SOLID STEEL ABSORPTIVE SURFACE STEEL SURFACE BARRIER PANEL ACOUSTIC PERFORMANCE (FACING NOISE SOURCE) 23, SOUND TRANSMISSION LOSS, dB 1¾" x 2" x 2½" 125 250 500 1K 2K STC FREQUENCIES (Hz) NEOPRENE BEARING STEEL BASE PL. -QUIETLINE 'SL-R' PANEL (STEEL) 18 26 35 45 49 52 .37 BLOCK @ BOTH ENDS *All data in accordance with ASTM E90-99 and E413-87 OF BOTTOM PANEL CONCRETE PIER/SLAB SOUND ABSORPTION COEFFICIENTS ANCHOR BOLT OR STRUCT. FRAMING OCTAVE BAND CENTER 125 250 500 1K 2K 4K NRC (AS REQ'D) (BY OTHERS) FREQUENCIES (Hz) 0.92 1.15 1.22 1.13 1.08 1.04 0.95 (1.15) QUIETLINE 'SL-R' PANEL (STEEL) All data in accordance with ASTM C423—90a and E795—00 BARRIER WALL WIDE-FLANGED ISOMETRIC VIEW STRUCTURAL STEEL COLUMN (SELECTED TO MEET WIND LOAD REQUIREMENTS) WALL SECTION DETAIL CONT. STRUCTURAL STEEL ANGLES WELDED W6 STRUCTURAL QUIETLINE TYPE 'SL' QUIETLINE TYPE 'SL' TO WEB OF COLUMNS STEEL COLUMN ACOUSTIC BARRIER ACOUSTIC BARRIER WALL PANEL WALL PANEL PANEL SECTION A-A - OPTION #1 SECTION A-A - OPTION #2 WIDE FLANGED BEAM DETAIL FOR STANDARD WIDE FLANGED BEAM DETAIL FOR HIGH WIND APPLICATIONS LOADS, TALL WALLS, AND POST SPACING **APPLICATIONS**

QUITELINE 'SL-R' STEEL

BARRIER PANEL

PROJECT: NOISE BARRIERS STANDARD DETAILS

SUBMITTED BY: DATE:

APPROVED BY: DATE:

PROPRIETARY

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