

ASSEMBLY DETAIL

**ASSEMBLY INSTRUCTIONS:**

**STEP 1**

AFTER THE FOUNDATION IS IN PLACE, ATTACH COLUMN BASE PLATES TO ANCHOR BOLTS AND LOOSELY FASTEN. MAKE SURE THAT THE PROPER CENTER DISTANCE IS SET BOTH AT THE TOP AND BOTTOM OF THE W-BEAM COLUMN. LEVELING NUTS ARE USED TO PLUM EACH COLUMN. ONCE THE COLUMN IS SET PROPERLY, TIGHTEN THE ANCHOR AND LEVELING NUTS SECURELY.

**STEP 2**

INSERT THE C6x8.2 BASE CHANNEL ON TOP OF THE WELDED IN ANGLE SUPPORTS.

**STEP 3**

PLACE PANELS INTO THE W-BEAM SUPPORT COLUMNS. THIS SHOULD BE DONE EITHER BY SLIDING THE PANELS DOWN THE W-BEAMS FROM THE TOP OR BY RAISING ONE SIDE OF EACH PANEL TO MANEUVER THEM INTO THE W-BEAM COLUMN. THE END OF THE LSE PANELS SHOULD FIT INTO THE FLANGE OF THE W-BEAM WITH THE PANEL FLANGES OVERLAPPING THE COLUMN FLANGES. EACH PANEL SHOULD OVERLAP THE ONE BELOW AND LOCK DOWN ONTO THE BOTTOM PANEL. INSERT THE CORRECT AMOUNT OF PANELS TO REACH THE DESIRED STACK HEIGHT BELOW THE INTERMEDIATE CHANNEL.

**STEP 4**


BOLT THE 2 1/2" x 2 1/2" x 3/16" ANGLE BRACKETS TO THE ENDS OF THE C7x9.8 INTERMEDIATE CHANNEL. PLACE THE BRACKETS & CHANNEL BETWEEN THE POSTS AND BOLT (OR WELD) THE ANGLE BRACKETS TO THE POSTS IN THE LOCATION PROVIDED ON THE DRAWINGS. CONTINUE STACKING PANELS TO THE DESIRED STACK HEIGHT.

**STEP 5**

AFTER THE PANELS ARE POSITIONED IN PLACE IN THE W-BEAM SUPPORT COLUMNS, PLACE THE TOP CAP OR CHANNEL OVER THE TOP OF THE PANEL. THERE ARE SLOTTED HOLES IN THE TOP CAP PIECES TO ALLOW THEM TO ALIGN WITH THE STUDS WELDED AT THE TOP OF EACH W-BEAM COLUMN. THE TOP CAP SHOULD REST ON TOP OF THE PANELS AND COLUMN. PLACE A FENDER WASHER AND "PS" PUSHNUT FASTENER ON THE 3/8" DIA. ROUND BAR. DRIVE THE PUSHNUT FASTENER DOWN THE ROUND BAR TO WITHIN 1/8" OF THE FENDER WASHER. DO NOT DRIVE THE PUSHNUT FASTENER DOWN TIGHT. ALLOW CLEARANCE BETWEEN THE PUSHNUT AND TOP CAP FOR EXPANSION AND CONTRACTION.

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DRAWN	KG	DATE	1/22/08
APPRV		DATE	

REV	DESCRIPTION	BY	DATE
	LSE NOISE BARRIER SYSTEM		
	WALL WITH INTERMEDIATE CHANNEL		
	ASSEMBLY & INSTRUCTIONS		
SIZE	PROJECT	DWG NO	REV
B		ASSEMBLY-2.dwg	.
SCALE	N.T.S.	SHEET	1