

TOWN OF SIMSBURY

**DEPARTMENT OF PUBLIC WORKS
933 HOPMEADOW STREET
SIMSBURY, CT 06070**

INVITATION TO BID

FOR

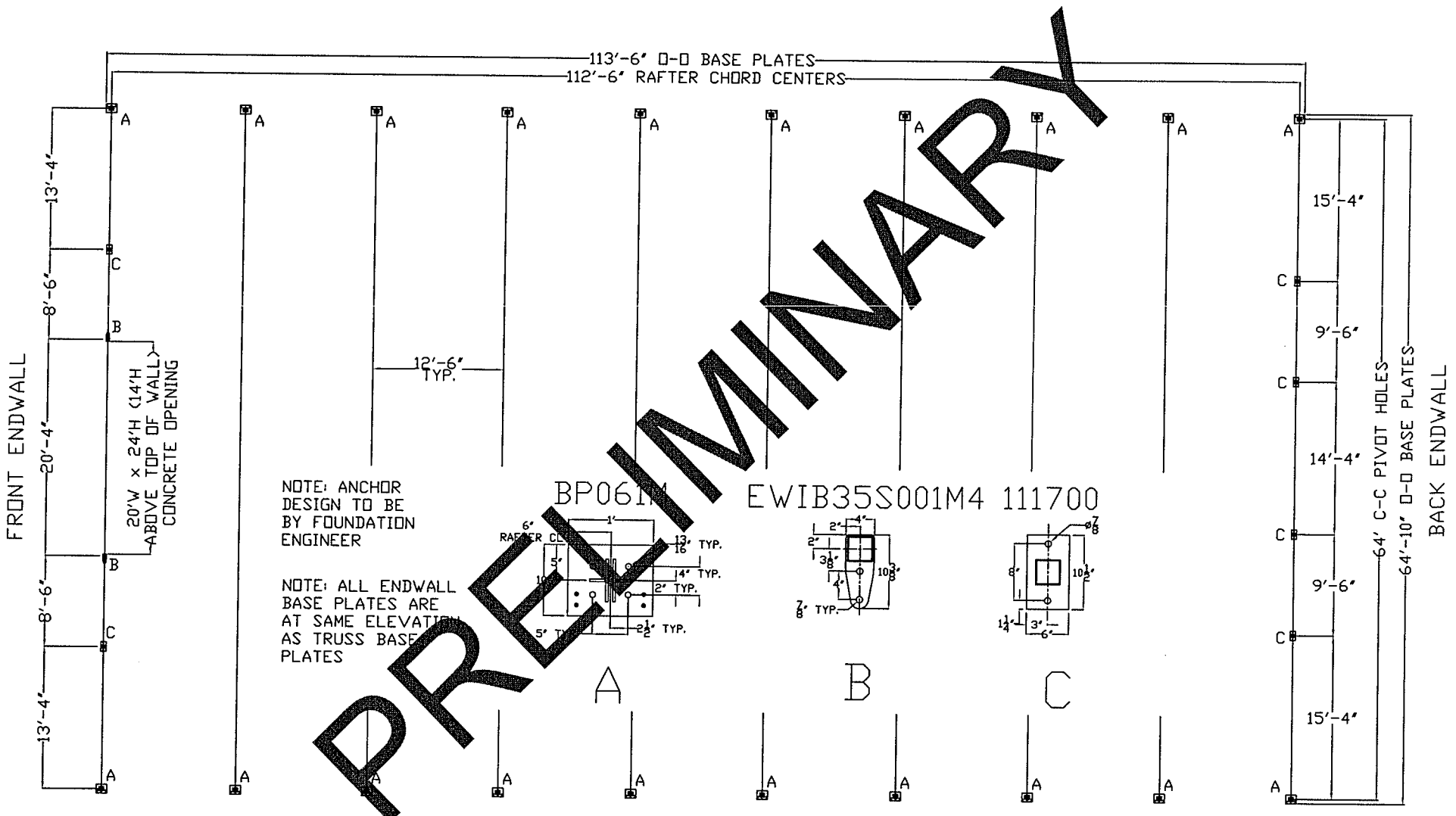
**SALT SHED FLOATING FOUNDATION
DESIGN AND CONSTRUCTION**

ADDENDUM 2

- Bid due date has been changed to July 8, 2015 at 10:00 a.m.
- Additional information on Base Plate Layout and Reactions for Town of Simsbury Clearspan Building is provided on the following pages.

All bids are due July 8, 2015 10:00 a.m. in the Finance Department, of Town Hall, 933 Hopmeadow Street, Simsbury, CT 06070.

Issued June 23, 2015
End



NOTE: ANCHOR DESIGN TO BE BY FOUNDATION ENGINEER

NOTE: ALL ENDWALL BASE PLATES ARE AT SAME ELEVATION AS TRUSS BASE PLATES

BP061M

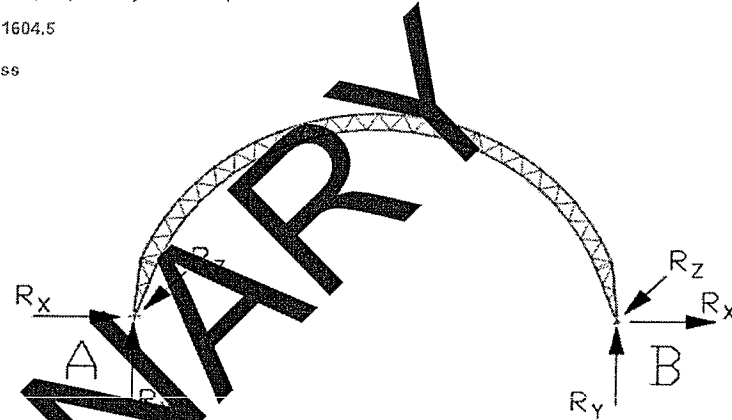
EWIB35S001M4 111700

PRELIMINARY

Building Width	65	ft
Building Length	112.5	ft
Rafter Spacing	12.5	ft

Ground Snow Load	35	psf	(Fully Exposed Roof)
Wind Load	100	mph	Exp C (Partially Enclosed)
Occupancy Category	1	IBC Table 1604.5	
Collateral Load	300	lbs per truss	

*See notes below		UNFACTORED BASE REACTIONS TO CONSIDER AT TYPICAL BASES			
Load Case		Side A		Side B	
		Rx (kip)	Ry (kip)	Rx (kip)	Ry (kip)
Dead Load, Self Weight	DL	0.31	0.85	-0.31	0.85
Dead Load, Collateral	EL	0.08	0.16	-0.08	0.16
Snow Load, Balanced	S	3.53	5.79	-3.53	5.79
Snow Load, Unbalanced	Su	2.26	2.25	-2.26	5.88
Wind Load	Wx	-5.41	-8.59	1.02	-8.77
Wind Load	Wx2	-4.40	-0.03	0.02	-0.21
Wind Load	Wz	-0.70	-10.18	2.09	-10.01
Wind Load	Wz2	0.25	-1.66	1.10	-1.50
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00



CONTROLLING ASD COMBINATIONS TO CONSIDER AT TYPICAL BASES			
Max Gravity (kip)	6.89	DL + EL + Su	
Max Uplift (kip)	-9.67	0.6DL + Wz	
Max Inward Lateral (kip)	-5.23	0.6DL + Wx	
Max Outward Lateral (kip)	3.92	DL + EL + S	

*See notes below		ADDITIONAL UNFACTORED BASE REACTIONS TO CONSIDER AT BASES WITH CABLE ATTACHED					
Load Case		Side A			Side B		
		Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)
Wind Load	Wz	-5.20	-8.79	0.24	1.66	-9.59	0.24
Dead Load, Cable (Wz)	DL	0.02	0.04		-0.02	0.06	
Wind Load	Wz2	2.27	0.04		-1.85	3.80	0.08
Dead Load, Cable (Wz2)	DL	0.02	0.04		-0.02	0.04	

ADDITIONAL CONTROLLING ASD COMBINATIONS TO CONSIDER AT BASES WITH CABLE ATTACHED			
Max Gravity (kip)	6.93	DL + EL + Su	
Max Uplift (kip)	-9.04	0.6DL + Wz	
Max Inward Lateral (kip)	-5.21	0.6DL + Wx	
Max Outward Lateral (kip)	3.93	DL + EL + S	

Notes:

- The above Reaction Data should be combined as required by the Load Combinations from IBC or other applicable code.
- The Reaction Data is for a building that represents a low hazard to human life in the event of a failure. Examples of such are agricultural buildings, unoccupied private buildings, unoccupied storage buildings, or temporary buildings. A building is considered "unoccupied" when employees are typically in the building only to move materials in and out (no permanent workstations) and it is not open to the public.

FRONT ENDWALL REACTIONS @ 'B' BASES:

UNFACTORED ENDWALL COLUMN REACTIONS ('B' BASES)	
MAXIMUM GRAVITY	910 lbs
MAXIMUM NET UPLIFT	180 lbs
MAXIMUM HORIZONTAL [MWFRS]	1520 lbs
MAXIMUM HORIZONTAL [C&C]	2000 lbs

FRONT ENDWALL REACTIONS @ 'C' BASES:

UNFACTORED ENDWALL COLUMN REACTIONS ('C' BASES)	
MAXIMUM GRAVITY	360 lbs
MAXIMUM NET UPLIFT	330 lbs
MAXIMUM HORIZONTAL [MWFRS]	2300 lbs
MAXIMUM HORIZONTAL [C&C]	2840 lbs

BACK ENDWALL REACTIONS:

UNFACTORED ENDWALL COLUMN REACTIONS	
MAXIMUM GRAVITY	670 lbs
MAXIMUM NET UPLIFT	390 lbs
MAXIMUM HORIZONTAL [MWFRS]	2930 lbs
MAXIMUM HORIZONTAL [C&C]	4060 lbs