

Wing Wall 1
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 2
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 3
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 4
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 5
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 6
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 7
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 8
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 9
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 10
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 11
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 12
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 13
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Wing Wall 14
 Plan View: 14'-0" x 14'-0" (width 14'-0", depth 14'-0")
 Front View: 14'-0" x 14'-0" (height 14'-0", depth 14'-0")
 Side View: 14'-0" x 14'-0" (width 14'-0", height 14'-0")
 Reinforcement: 4#4 top, 4#4 bottom, 4#4 vertical, 4#4 horizontal.

Chamfer Detail
 Shows a 12" chamfer on the top edge of the wall. Includes reinforcement details for the chamfered edge.

Typical Rebar Schedule

Mark	Bar	No.	Spacing	Length	Type	B	C	Notes
A1	#4	12"	Vertical	Straight				1. Design is in accordance with ASTM A631 and A631D
A2	#4	12"	Vertical	Straight				2. Design is in accordance with ASTM A631 and A631D
A3	#4	12"	Vertical	Straight				3. Design is in accordance with ASTM A631 and A631D
A4	#4	12"	Vertical	Straight				4. Design is in accordance with ASTM A631 and A631D
A5	#4	12"	Vertical	Straight				5. Design is in accordance with ASTM A631 and A631D
A6	#4	12"	Vertical	Straight				6. Design is in accordance with ASTM A631 and A631D
A7	#4	12"	Vertical	Straight				7. Design is in accordance with ASTM A631 and A631D
A8	#4	12"	Vertical	Straight				8. Design is in accordance with ASTM A631 and A631D
A9	#4	12"	Vertical	Straight				9. Design is in accordance with ASTM A631 and A631D
A10	#4	12"	Vertical	Straight				10. Design is in accordance with ASTM A631 and A631D

Legend

- ① Leading Device (See Detail A)
- ② Oxidized ASTM-7 Lifting Device (See Detail B)
- ③ 3" Ø Clear Tube PVC Sleeve (See Detail C)
- ④ Mechanical Bolt Pocket (See Detail Sheet 1)

CONTRACTOR'S VISIT

Detail A - Leveling Device
 Shows a leveling device with a 12" Ø threaded rod, a 12" Ø clear tube PVC sleeve, and a mechanical bolt pocket. Includes dimensions for the device and sleeve.

Detail B - Lifting Device
 Shows an oxidized ASTM-7 lifting device with a 12" Ø clear tube PVC sleeve. Includes dimensions for the device and sleeve.

Detail C - Grout Tube
 Shows a 3" Ø clear tube PVC sleeve with a 12" Ø clear tube PVC sleeve. Includes dimensions for the sleeve.

Approval Stamp:
 RESUBMIT APPROVED AS NOTED
 BY RSC DATE 10/25/2011