ELLlOT FIELD STATION

BLAST LAB:
Moveable Reaction Wall

Contact UCSD prior to release of construction documents for location and details of load hooks

SPECIFICATIONS:
28-day concrete strength:
5500 psi self compacting
Mild steel: Gr.60
PT steel: Gr.150
PT operation shall follow all applicable manufacturer specifications & recommendations
Specified post-tensioning forces are the jack forces attained immediately after anchorage
Contact engineer prior to post-tensioning for jacking sequence
Lap splices allowed at base of wall
Minimum lap lengths:
4’ lap
Minimum clear cover: 2’

CONTENTS
BS-L20: East Elevation of Moveable Rxn Wall
BS-L21: Top Cap
BS-L22: Typical Block

Blast Lab Project
DWG No.: BL-T3
Date: 2004/02/04
East Elevation of Moveable Rxn Wall

15'-6" x 8' x 2'
Movable Rxn Wall Top Cap

4 15'-6" x 8' x 4'
Movable Rxn Wall Blocks

Total 56 horizontal tie-down holes @ 2"x2" grid

1'-9"
typ

Isolators

Foundation (E)

4' thick Isolated Slab

1" typ

32 vertical tie-down holes @ 2"x2" grid

20 PT bars with 200 kips each (supplied by UCSD)

Top View

Blast Lab Project
DWG No.: BL-S20
Date: 2004/02/04
Plan View

- 32 vertical tie-down holes in 2'x2' grid
- 3 layers #5 hoops
- 3 #5 headed bars at each layer
- 7 #5 headed bars at each layer
- #5, 2' pitch, 8' spiral

Section View

- Vertical tie-down holes with #5 spirals
- 3 layers #8 headed bars, each direction
- 3 layers #5 hoops
- #5 headed bar @ 8' o.c.

Moveable Rxn Wall Top Cap

Blast Lab Project
DWG No.: BL-S21
Date: 2004/02/04
**Moveable Rxn Wall Typical Blocks**

*4 totals*

**Plan View**

- 6 layers #5 hoops
- #5 headed bar @ 8" o.c.
- 4 additional #5 ties @ 48" o.c.
- 4 additional #5 ties @ top and bottom layers
- Horizontal tie-down holes
- 32 vertical tie-down holes @ 2"x2" grid

**Section View**

- #5 headed bar @ 8" o.c.
- Vertical tie-down holes
- 14 horizontal tie-down holes in 2"x2" grid
- 5 layers #5 hoops
- #5 horizontal ties, 4 layers
- 2 typ 4'
- 1' typ

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Blast Lab Project

DWG No.: BL-S22

Date: 2004/02/04