

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

| | | | |
|------------|------------------------------------------------------------------------------------|--------------|--------|
| Date: | July 8, 2010 | Project No.: | 557-14 |
| Attention: | Mr. Cuyler Feagles (cmf@portlandmaine.gov) | | |
| Re: | Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine | | |

We are sending you attached concrete cylinder test results.

| Cylinder No. (s) | Age (Days) |
|------------------|------------|
| 66074 | 7 |
| 66078 | 7 |

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.com
 Lacey Fogg: Lacey.Fogg@amec.com
 Mike Fusco: mfusco@tcco.com
 Shaun Winner: swinner@tcco.com
 Phil Coleman: pcoleman@tcco.com
 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.com

Signed: Bertha Dawn

R. W. GILLESPIE & ASSOCIATES, INC.

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mld Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing Wall: Y3.8/XM

Date Cylinders Cast: 01-Jul-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 09 2010

| | | | | | |
|---------------|--------|----------------------------|------------------|------------|------|
| 4x8 Cylinders | 4 | Cast by | Erik E. Cohenour | Time | |
| Load No. | 1 | Slump (in) ASTM C 143 | 5.5 | Batched @ | 1:05 |
| Ticket No. | 167076 | Air (°F) | 68 | Arrived @ | 1:25 |
| Truck No. | 107 | Concrete (°F) ASTM C 1064 | 78 | Total Time | 30 |
| Cubic Yds. | 10 | Air Content (%) ASTM C 231 | 6.0 | | |

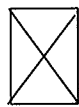
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Jul-10
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in ²) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66074 | 08-Jul-10 | 4.015 | 12.66 | 7 | 49,280 | 3890 | 6 |
| 66075 | 29-Jul-10 | | | 28 | | | |
| 66076 | 29-Jul-10 | | | 28 | | | |
| 66077 | HOLD | | | HOLD | | | |

*Concrete compressive strength by ASTM C 39

Types of Breaks



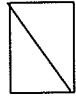
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

| Load | Ticket Number | Truck Number | Cubic Yds | Slump (inches) | Air Temp (°F) | Conc Temp (°F) | (%) Air Content | Time (min.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 2 | 167081 | 98 | 10 | -- | -- | -- | -- | 30 |
| 3 | 167082 | 99 | 10 | -- | -- | -- | -- | 50 |
| 4 | 167084 | 101 | 10 | -- | -- | -- | -- | 41 |
| 5 | 167087 | 98 | 10 | -- | -- | -- | -- | 36 |
| | | | | | | | | |
| | | | | | | | | |

Remarks: Curing Temperatures: Max = 85°, Min = 55°
 9 Total Loads

Checked by: Matthew T. Grady
 Matthew T. Grady, Manager of MTS

R. W. GILLESPIE & ASSOCIATES, INC.

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Project No: 557-14
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Method of Placement: Pump
Admixtures: Mld Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing: 1ZD - ZC

Date Cylinders Cast: 01-Jul-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 09 2010

| | | | | |
|---------------|--------|----------------------------|------------------|----------------|
| 4x8 Cylinders | 4 | Cast by | Erik E. Cohenour | Time |
| Load No. | 6 | Slump (in) ASTM C 143 | 6.5 | Batched @ 2:50 |
| Ticket No. | 167089 | Air (°F) | 68 | Arrived @ 3:10 |
| Truck No. | 99 | Concrete (°F) ASTM C 1064 | 79 | Total Time 34 |
| Cubic Yds. | 10 | Air Content (%) ASTM C 231 | 7.0 | |

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Jul-10
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in ²) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66078 | 08-Jul-10 | 4.015 | 12.66 | 7 | 47,640 | 3760 | 3 |
| 66079 | 29-Jul-10 | | | 28 | | | |
| 66080 | 29-Jul-10 | | | 28 | | | |
| 66081 | HOLD | | | HOLD | | | |

*Concrete compressive strength by ASTM C 39

Types of Breaks



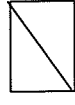
Cone
1



Cone & Split
2



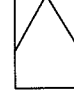
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

| Load | Ticket Number | Truck Number | Cubic Yds | Slump (inches) | Air Temp (°F) | Conc Temp (°F) | (%) Air Content | Time (min.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 7 | 167090 | 117 | 10 | -- | -- | -- | -- | 31 |
| 8 | 167092 | 101 | 10 | -- | -- | -- | -- | 35 |
| 9 | 167094 | 98 | 10 | -- | -- | -- | -- | 40 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Remarks: Curing Temperatures: Max = 85°, Min = 55°
 9 Total Loads

Checked by: Matthew T. Grady
 Matthew T. Grady, Manager of MTS

7/1/10 EEC 557-14 PORTLAND JETPORT

Portland International
Jetport
1801 Westbrook Street
Portland, Maine 04102

Gensler

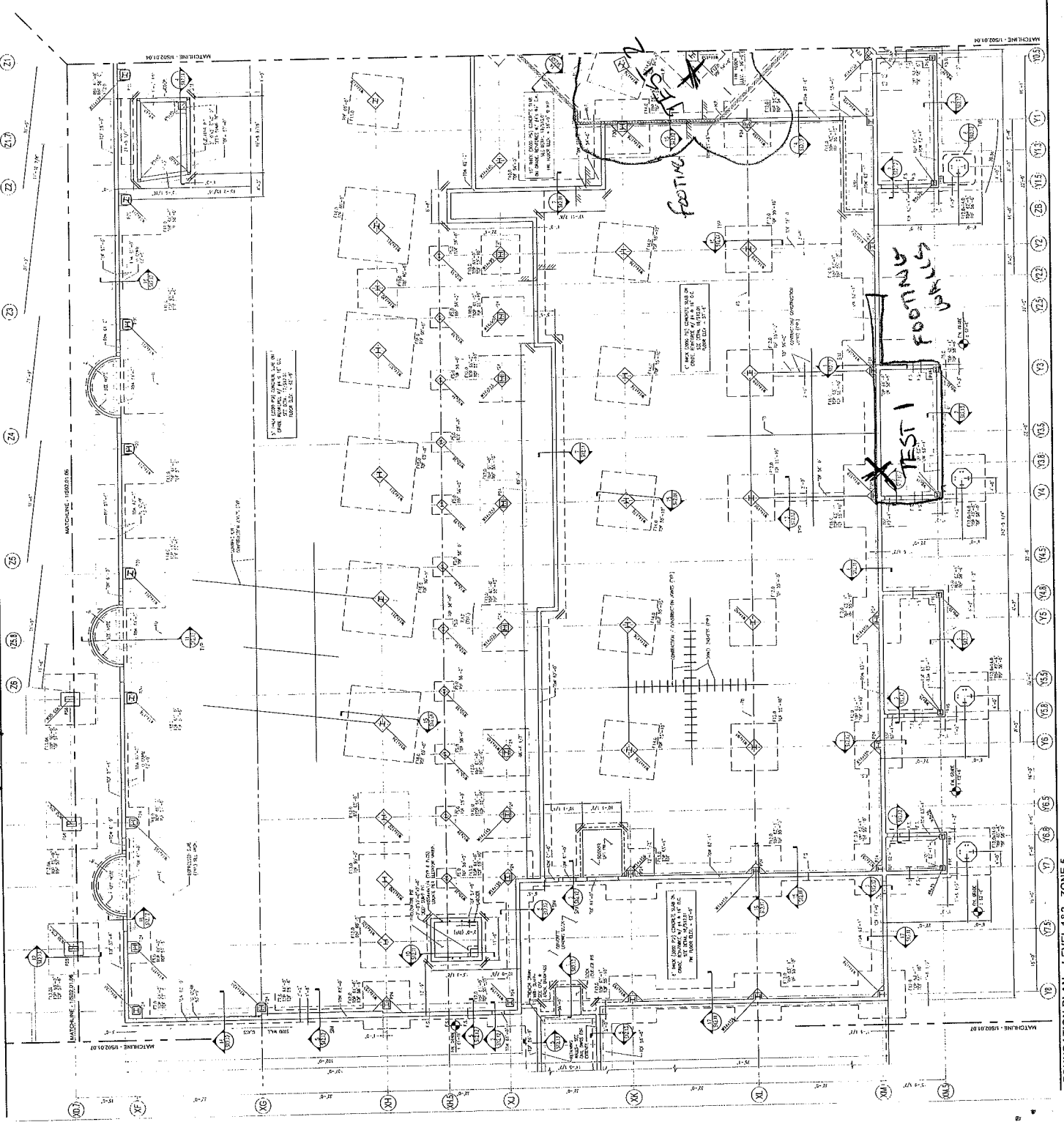
nest ASSOCIATES INC.
PROGRAMS ARCHITECT INTERIOR CONSTRUCTION MANAGER

SHEET NOTES

1. CHECK CONTRACT FOR SETTING OF BENCH MARKS.
2. CONSULT SURVEYOR FOR BENCH MARKS AND ELEVATIONS.
3. VERIFY ALL DIMENSIONS AND LOCATIONS OF BENCH MARKS.
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GENERAL NOTES

1. ALL FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL FOUNDATION CODE (IFC).
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KEY PLAN

7 6 5 4 3 2 1

S02.01.05

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

7/1/10 EEC 557-14 PORTLAND JETPORT

Portland International Jetport
 1001 Westbrook Street
 Portland, Maine 04102

Gensler

mezt ASSOCIATES, INC.
 engineers architects interior architects landscape architects
 2105 S. Park Ave. #100
 San Jose, CA 95128
 Phone: 408.253.2200

SHEET NOTES

1. PROVIDE FINISH TO BE SHOWN ON SHEET TITLE.
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GENERAL NOTES

1. ALL DIMENSIONS SHALL BE SHOWN IN FEET AND INCHES.
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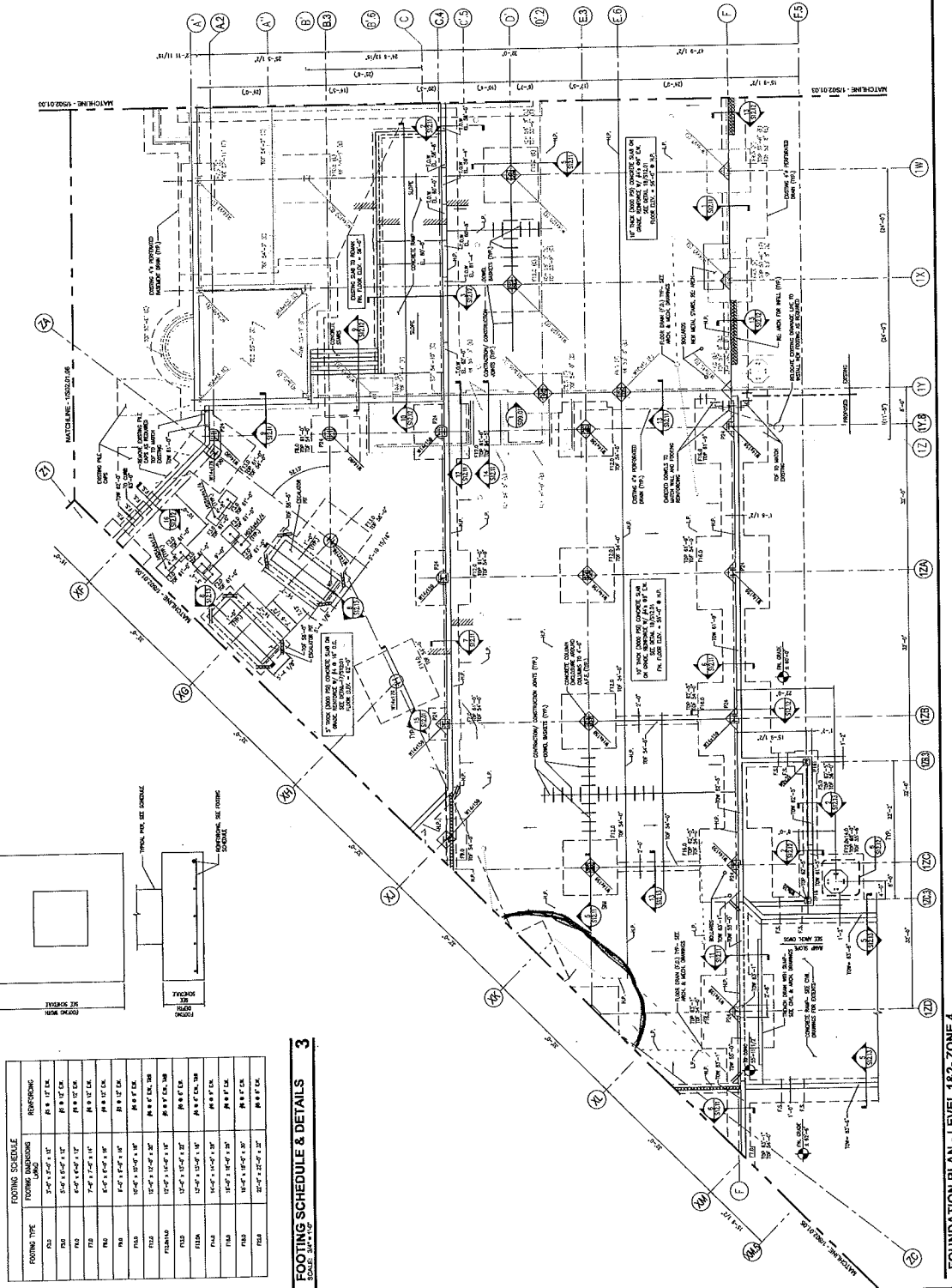
KEY PLAN

7 6 3 2 1

FOUNDATION PLAN - LEVEL 182-ZONE 4
 SCALE: 1/8"=1'-0"

PIER SCHEDULE & DETAILS
 SCALE: 3/8"=1'-0"

| PIER TYPE | PIER DIMENSIONS | VERTICAL REINFORCING | YES |
|-----------|-----------------|----------------------|------------------|
| P1A | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1B | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1C | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1D | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1E | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1F | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1G | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1H | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1I | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1J | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1K | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1L | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1M | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1N | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1O | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1P | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1Q | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1R | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1S | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1T | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1U | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1V | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1W | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1X | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1Y | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |
| P1Z | 18" x 18" | Ø1 #3 @ 12" O.C. | Ø1 #3 @ 12" O.C. |



FOOTING SCHEDULE & DETAILS
 SCALE: 3/8"=1'-0"

| FOOTING TYPE | FOOTING DIMENSIONS | REINFORCING |
|--------------|--------------------|------------------|
| F1A | 18" x 18" | Ø1 #3 @ 12" O.C. |
| F1B | 18" x 18" | Ø1 #3 @ 12" O.C. |
| F1C | 18" x 18" | Ø1 #3 @ 12" O.C. |
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FOUNDATION PLAN - LEVEL 182-ZONE 4
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