

1717 SW PARK

City of Portland  
Bureau of  
Development Services  
Date *[Signature]*  
Approved by *[Signature]*  
Planning and Zoning Review



Basement

SPECIAL INSPECTIONS ARE REQUIRED ON THIS PERMIT FOR THE FOLLOWING AREAS OF CONSTRUCTION:

STRUCTURAL STEEL       ADHESIVE ANCHORS

REINFORCED CONCRETE     

STRUCTURAL OBSERVATION BY THE ENGINEER IS TO OCCUR AT THE FOLLOWING STAGES OF CONSTRUCTION:

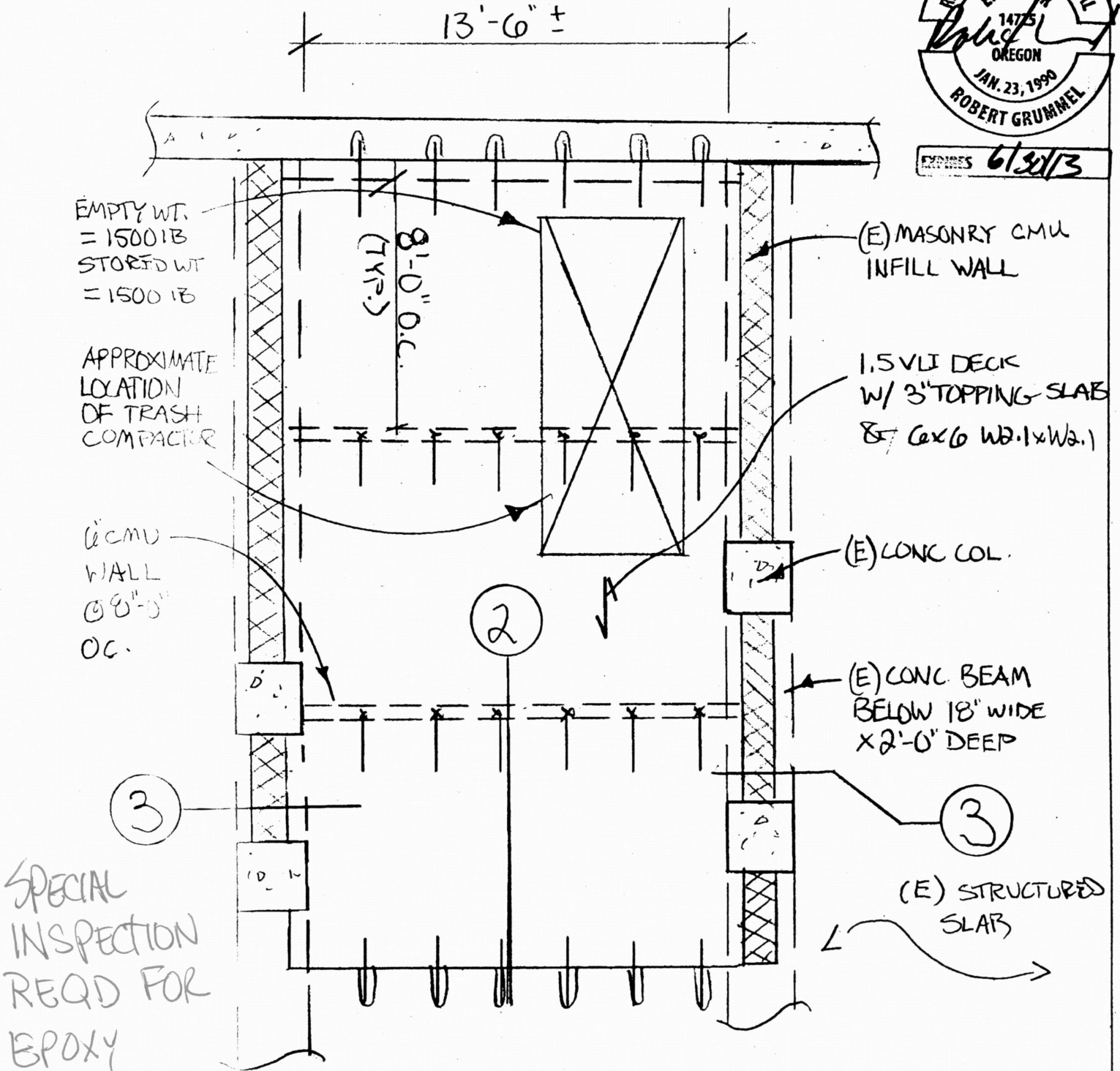
City of Portland  
BUREAU OF DEVELOPMENT SERVICES  
PERMIT FOR CODE COMPLIANCE  
AUG 08 2012  
Permit Number

Project: Vue Apartment Compactor  
 1717 SW Park Avenue  
 Portland, OR 97201  
 Client: Sage General Contracting

Date: 3/07/12  
 Page 1  
 By SSW  
 Job # 212037



EXPIRES 6/30/13



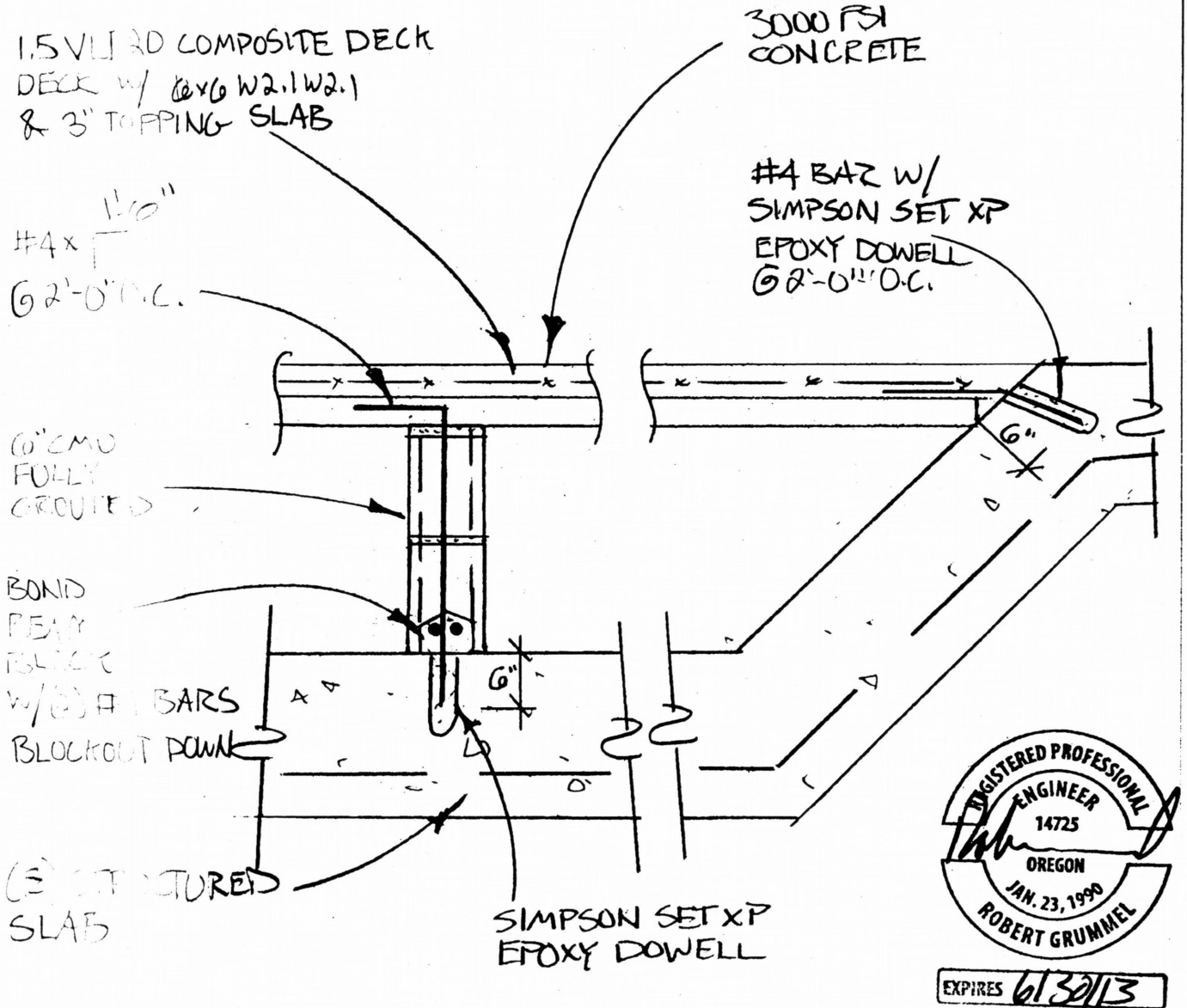
SPECIAL INSPECTION  
 REQD FOR  
 EPOXY  
 ANCHORS

1 COMPACTOR ROOM PLAN  
 1/4" = 1'-0"

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 1717 SE Park Avenue  
 Portland, OR 97201  
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Date: 3/27/12  
 Page 2  
 By: JSSW  
 Job # 212037

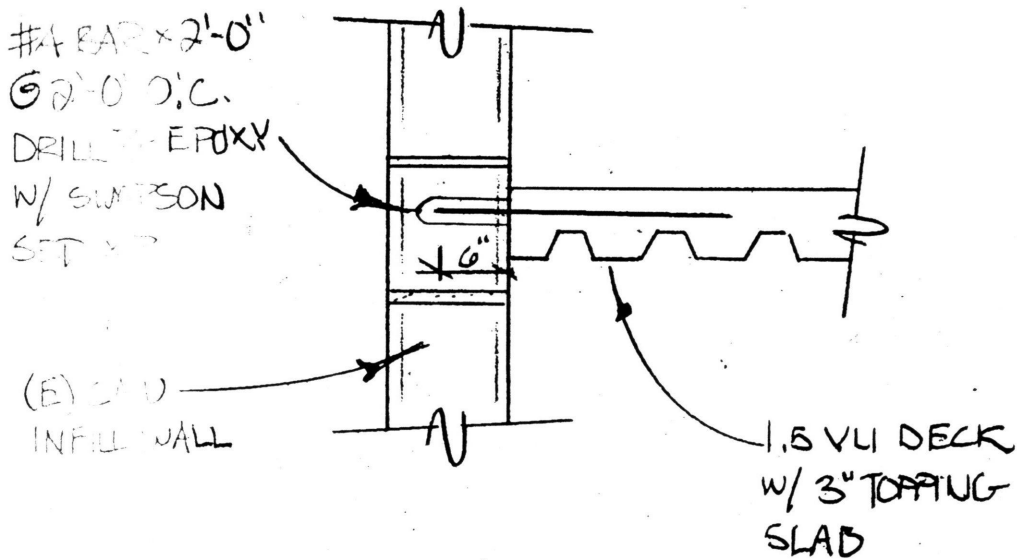


② CMU COMPOSITE BEAM DETAIL  
 1" = 1'-0"

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171 Park Avenue  
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3 DECK TO CMU WALL  
1' = 1'-0"

REGISTERED PROFESSIONAL  
ENGINEER  
4725  
OREGON  
JAN. 23, 1990  
ROBERT GRUMMEL  
EXPIRES 6/30/13



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STRUCTURAL CALCULATIONS  
FOR  
COMPACTOR ROOM AT  
VUE APARTMENT GARAGE

DESIGN LOADS

COMPACTOR - SELF WT = 1500 LB

STORAGE = 1500 LB

VEHICLE LL - 50 PSF

NOTES

NEW PAN DECK TO REPLACE CURRENT WOOD  
OVERFRAMING. AREA ORIGINALLY RAMPED TO  
ACCOMMODATE MECHANICS LIFT. PAN DECKING  
WILL SPAN COMPOSITE CMU PONY WALLS WHICH  
WILL SPAN TO EXISTING BEAMS.



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EXISTING CONCRETE BEAMS

- ORIGINALLY DESIGNED FOR 50 PSF LL  
FOR VEHICLES / GARAGE

- COMPACTOR EMPTY WT. = 1500 LB  
STORED WT. = 1500 LB

3000 LB

+ EXTRA CONTAINED

6000 LB

ROOM FOOTPRINT = 13.5' x 20'

22 PSF

USE 50 PSF

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CHECK CONCRETE BEAMS

LL = 50 PSF

PAV DECK =  $\frac{4.5}{12} \times 150 = 56 \text{ PSF}$

(E) DECK BELOW =  $\frac{12}{12} \times 150 = 150 \text{ PSF}$

} TRUS = 7 ft

(E) DECK BESIDE =  $\frac{8}{12} \times 150 = 100 \text{ PSF}$

} TRUS = 8 ft

BEAM WT =  $2 \times 2 \times 150 = 600 \text{ PLF}$

$W_{DL} = 8(100) + 7(150 + 56) + 600 = 2642 \text{ PLF}$

$W_{LL} = 15(50) = 750 \text{ PLF}$

$L = 16' - 0''$   
 MAX

CHECK SHEAR

$W_u = 1.2(2642) + 1.6(750) = 4280 \text{ PLF}$

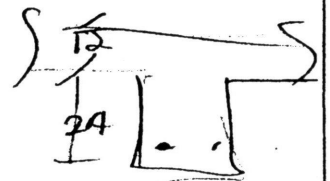
$V_u = 34.0 \text{ KIPS}$

$\phi V_c = (0.75) 2 \sqrt{3000} (24 \times 24) = 47.3 \text{ KIPS} > 37.0$

CHECK MOMENT

$M_u = \frac{W_u L^2}{12} = 90.6 = 1088 \text{ K-M}$

$A_{SREQ'D} \approx \frac{M_u}{(1.9)(60)(33)} = 0.16 \text{ in}^2$   
 MIN. STEEL



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CMU BEAM - COMPOSITE

$TRIB = 8'-0''$        $L = 13.5 ft$

$D_{L, SELF} = \left(\frac{C_c}{12}\right) (150) \times 1.5 = 113 PLF$

$D_{L, DECK} = \frac{3 \frac{1}{2}}{12} (150) = 44 PSF$

$LL = 50 PSF$

$W_u = 1.2(44 \times 8 + 113) + 1.6(50 \times 8)$   
 $= 1198 PLF$

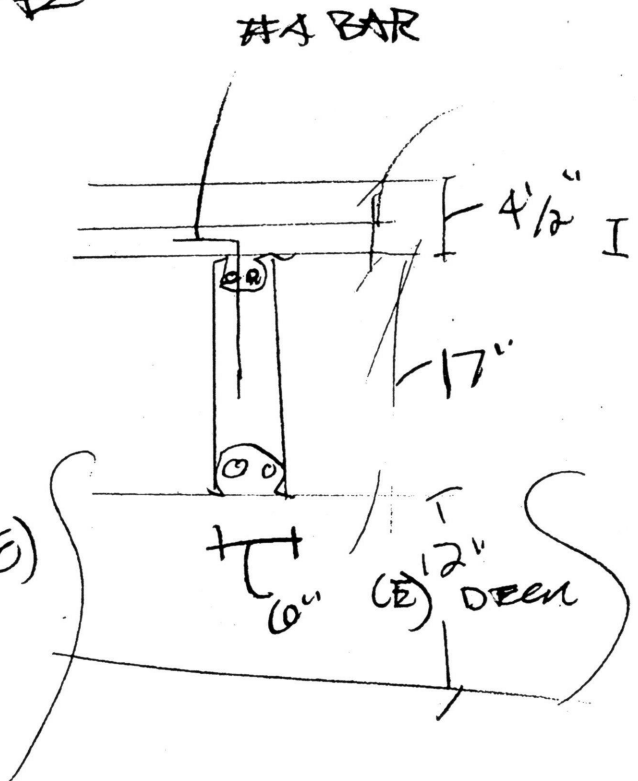
$M_u = \frac{W L^2}{8} = 27,201 LB \cdot ft$   
 $= 327 K \cdot ft \cdot m$

$\lambda_{s, req'd} = \frac{M_u}{(0.9)(60)(d - \frac{a}{2})} = 0.30$

USE (2) #5 BARS

$Q_n = \frac{(0.6)(0.20)(60)}{20} = 3.6 K/lin$

$N = \frac{(0.30)(60)}{3.6} = 5$



PAGES

# STANDARD FEATURES

## Mini Series Compactor

- 3 HP TEFC 3 Phase 208-230-460V
- 1 HP TEFC 1 Phase 110/220V
- Single side or turnbuckle latch
- Key Switch, Start & Stop Buttons
- Electrical interlock for operator safety
- UL Listed Power Panel
- Meets ANSI Z245.2 standards

### SPECIFICATIONS:

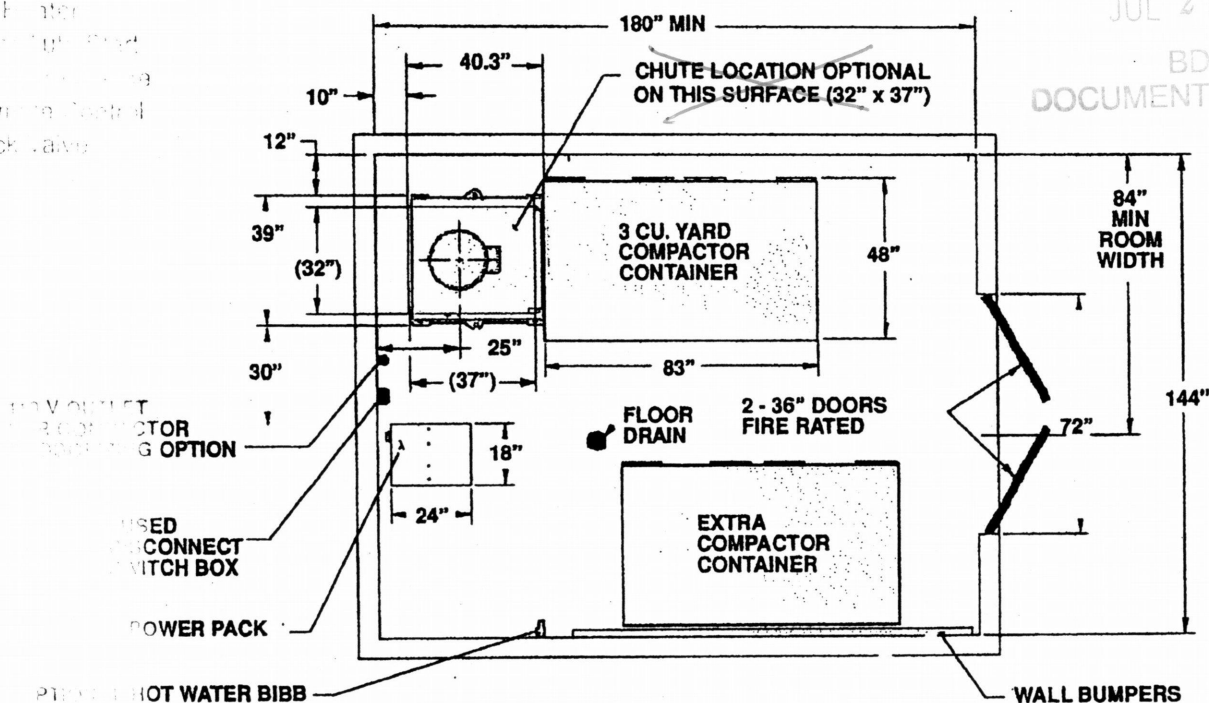
Manufacturers Rating .....	33 cy
WASTEC Rating .....	24 cy
Hydraulic Pump .....	5 GPM 2-stage (3HP) 3 GPM 2-stage (1HP)
Packing Cylinders .....	2-Diagonal, 2.5" x 20", 1.375" Rod
Packing Pressure .....	15,450# norm / 17,540# max
Ram Face Pressure .....	31.3 norm / 35.4 max PSI
System Pressure .....	1,850 norm / 2,100 max PSI
RAM Penetration .....	6"
Clear Top Opening .....	22.5" x 28"
Loading Height .....	42"
Cycle Time .....	18 sec. (3HP) 29 sec. (1HP)
Hydraulic Tank .....	13 Gallons
Hydraulic Fluid .....	Northland Talamar Extreme ISO 30
Approximate Shipping Weight .....	1,550lbs

## OPTIONS

- Photo-Eye, Lights & Siren
- 80% or 100% Light
- Multi cycle Timer
- Oil Filter
- Rear Light Panel
- Hydraulic Hose
- Remote Control
- Lock Valve

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K-PAC KPO3 COMPACTOR



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K-PAC Equipment Division  
Scranton Manufacturing  
101 State St.  
Scranton, IA 51462  
Phone 800-831-1858  
Fax (712) 652-3399  
www.newwaytrucks.com  
e-mail: pallen@newwaytrucks.com



— "The Trend Setters" —

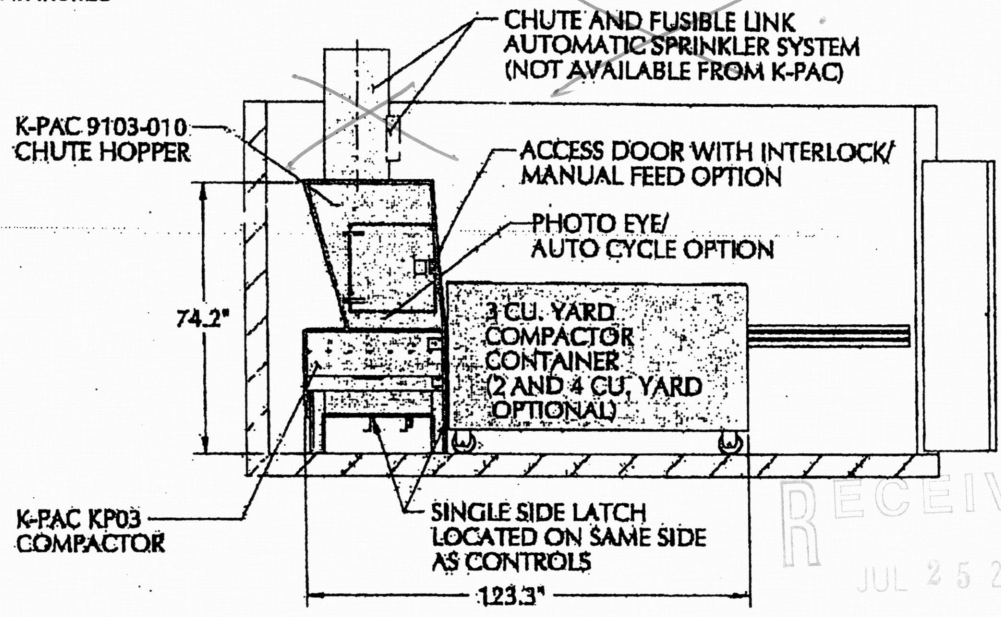




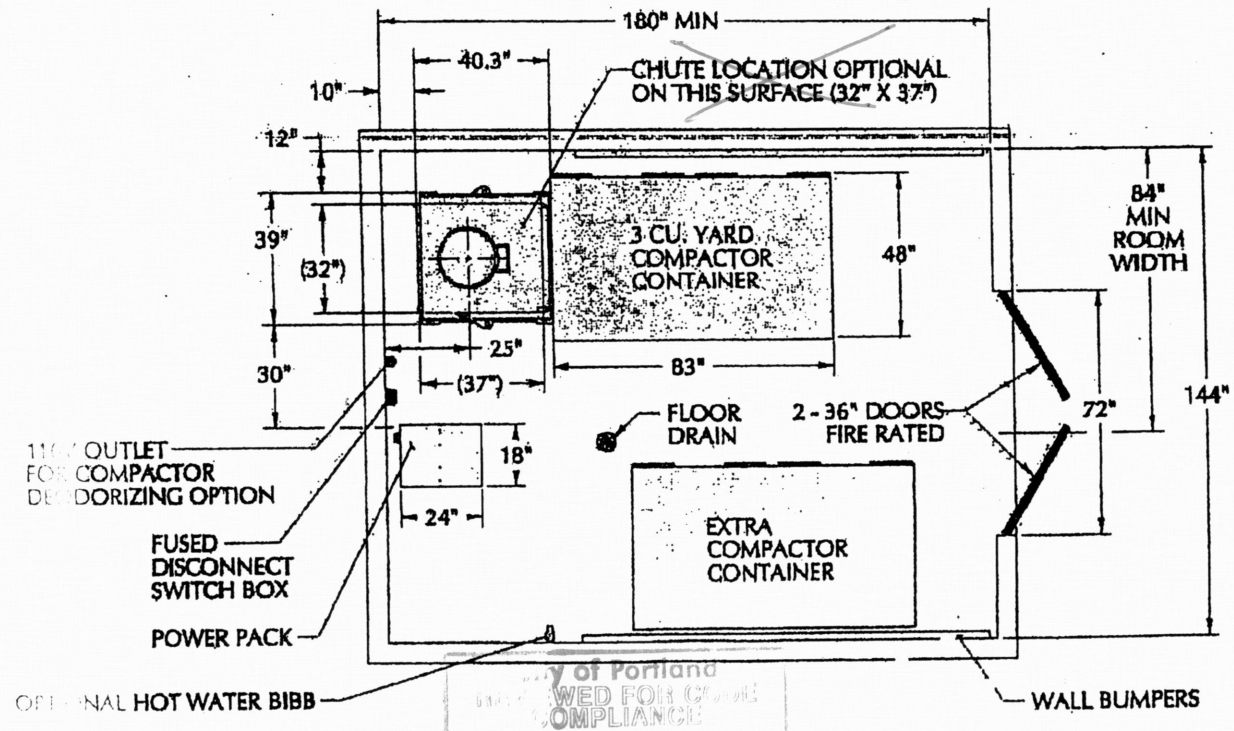


2025 Avenue of the Stars - Los Angeles

ALL MEASUREMENTS IN INCHES



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CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES

Special Inspections • 1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds

Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions – Parts D and E of this Checksheet must be fully completed by the Owner (or Architect or Engineer acting as the owner's agent) in order to obtain your permit. When complete, return this form to BDS Permitting Services. You may return it in person at 1900 SW 4th Ave, by fax to (503) 823-4172, or by email to specialinspectionsforms@portlandoregon.gov

Application # 12-127266-000-00-CO Date: June 22, 2012
Project Name: 1717 PARK AVE
Site Address: 1717 SW PARK AVE
Architect of Record (Firm)
Engineer of Record (Firm) Grummel Phone # 503-244-7014

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

- Steel Construction, Concrete Construction, Anchors - Adhesive, Wood Construction, Curtainwall, Prestressed Concrete, Anchors - Cast-in-place, Masonry, Structural Silicone Glazing, Shotcrete, Anchors - Expansion/Screw, Cold Formed Steel Framing, Special Cases

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

- Seismic Force Resist. System, Storage Racks, Access Floors, Suspended Ceilings, Mechanical Components, Electrical Components, Cladding, Veneer, Nonbearing Walls, Seismic Isolation System, Special Cases

C. STRUCTURAL OBSERVATION

- Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)

Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

- ACS (503) 443-3799, FEI Testing (541) 757-4698, Northwest Geotech (503) 682-1880, Carlson Testing (503) 684-3460, Kleinfelder, Inc. (503) 644-9447, PSI (503) 289-1778, Clair Company (541) 758-1302, Materials Testing/Insp (208) 376-4748, Other, Columbia West Eng (360) 823-2900, Mayes Testing, Inc. (503) 281-7515

E. To be completed by the applicant.

By completing Part E the project owner (or the Architect or Engineer acting as the Owner's Agent) hereby agrees to employ the special inspector or inspection agency and/or engineer of record for the above noted special inspections and/or structural observations. (Contractors are NOT authorized to agree for the Owner.)

The project owner shall provide a copy of this checksheet to the special inspection agency and engineer of record.

Print Name SAGE GENERAL CONTRACTING Date 6/28/12
Firm SHAWN ALDRIDGE Phone 503-540-8572

Plans Examiner: Lisa Buellesbach

DURAN CRAN

8572

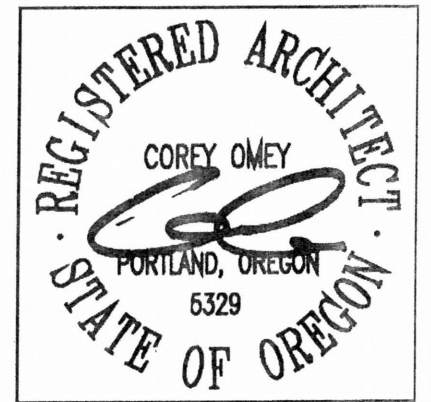
APPLICANT - COMPLETE PARTS D & E



# VUE APARTMENTS

## TRASH COMPACTOR ROOM

JULY 24, 2012



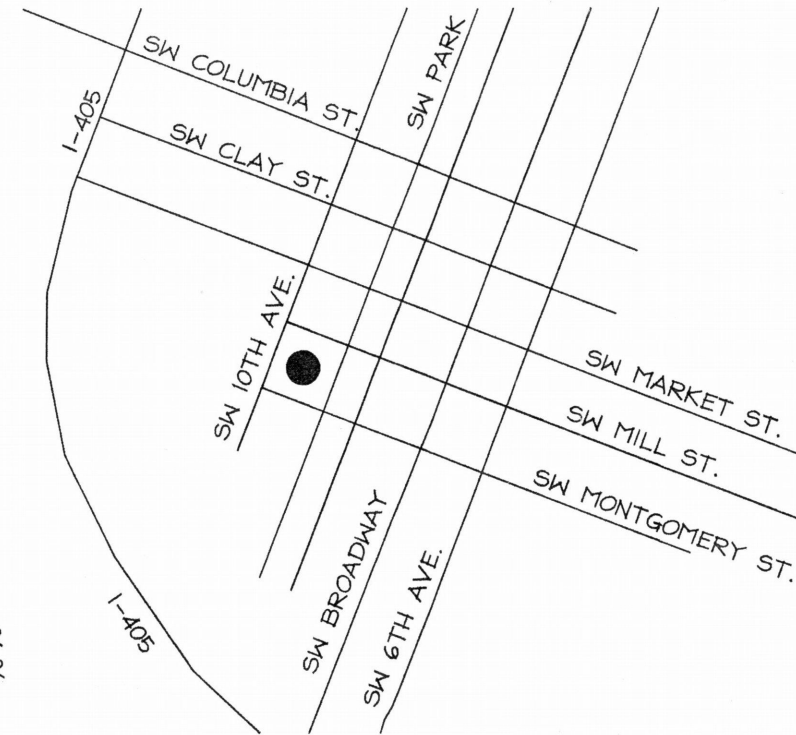
ERNEST R. MUNCH  
ARCHITECT • URBAN PLANNER, LLC

111 SW OAK ST. SUITE 300  
PORTLAND, OREGON 97204  
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THE VUE APARTMENTS

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VICINITY MAP

NOT TO SCALE

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### DEFERRED SUBMITTALS:

THE FOLLOWING WILL BE DESIGN BUILD BY RESPECTIVE DESIGN / BUILD CONTRACTORS. CONTRACTOR SHALL ISSUE FOR SEPARATE PERMIT AFTER REVIEW AND APPROVAL OF DESIGN CONCEPT BY ARCHITECT AND OWNER: DESIGN BUILD CONTRACTOR IS RESPONSIBLE FOR DESIGN, DRAWINGS, AND CALCULATIONS AS REQUIRED FOR PERMIT.

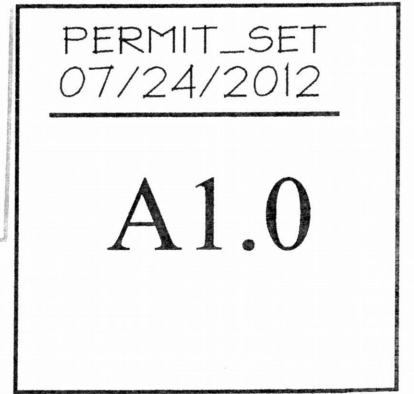
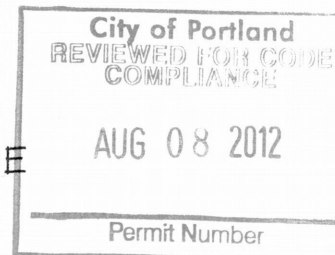
1. MECHANICAL
2. ELECTRICAL

### SHEET INDEX

- A1.0 COVER PAGE
- A2.0 BASEMENT/ PARKING GARAGE PLAN
- A2.1 PLAZA PLAN
- A2.2 TRASH COMPACTOR ROOM PLAN DETAIL

### CODE SUMMARY

- 2010 OREGON STRUCTURAL CODE
- 2010 ENERGY EFFICIENCY SPECIALTY CODE
- 2010 OREGON FIRE CODE
- 2008 ELECTRICAL SPECIALTY CODE
- 2007 MECHANICAL SPECIALTY CODE
- 2008 OREGON PLUMBING SPECIALTY CODE



### LANDLORD / OWNER

IONE COMMUNITIES, LLC.  
4747 MORENA BLVD, #100  
SAN DIEGO, CALIFORNIA, 92117

### CONTRACTOR

SAGE GENERAL CONTRACTING  
DURAN CRAIN  
8190 SW DURAM  
TIGARD, OR 97229  
(503) 430-8572 phone

### ARCHITECT

ERNEST R. MUNCH ARCHITECT, LLC  
COREY OMEY  
111 SW OAK ST, SUITE 300  
PORTLAND, OR 97204  
(503) 224-1282 phone  
(503) 224-7931 fax  
email: Corey.Omey@ERMunch.com

### ENGINEER

BOB GRUMMEL  
GRUMMEL ENGINEERING, LLC  
7421 SE POWELL BLVD.  
PORTLAND, OR 97206  
phone: (503) 244-7014  
email: jesse@grummelengineering.com

### DESCRIPTION OF WORK

ADD TRASH COMPACTOR ROOM IN BASEMENT PARKING GARAGE

-MECHANICAL & ELECTRICAL WILL BE BIDDER DESIGNED, BY SEPARATE PERMIT

### PROJECT DATA

SIZE: 32,500 SF, 13 STORIES OF APARTMENT OVER LOBBY LEVEL OVER 2 LEVELS OF PARKING

OCCUPANCY: S-2 (BASEMENT LEVELS)

CONSTRUCTION TYPE: I-A, SPRINKLERED (BASEMENT LEVELS, OTHER LEVELS UNCONFIRMED)

OCCUPANCY LOAD: 32,867 SF/200 =165 OCCUPANTS, 2 EXITS REQUIRED, (2) EXITS EXISTING

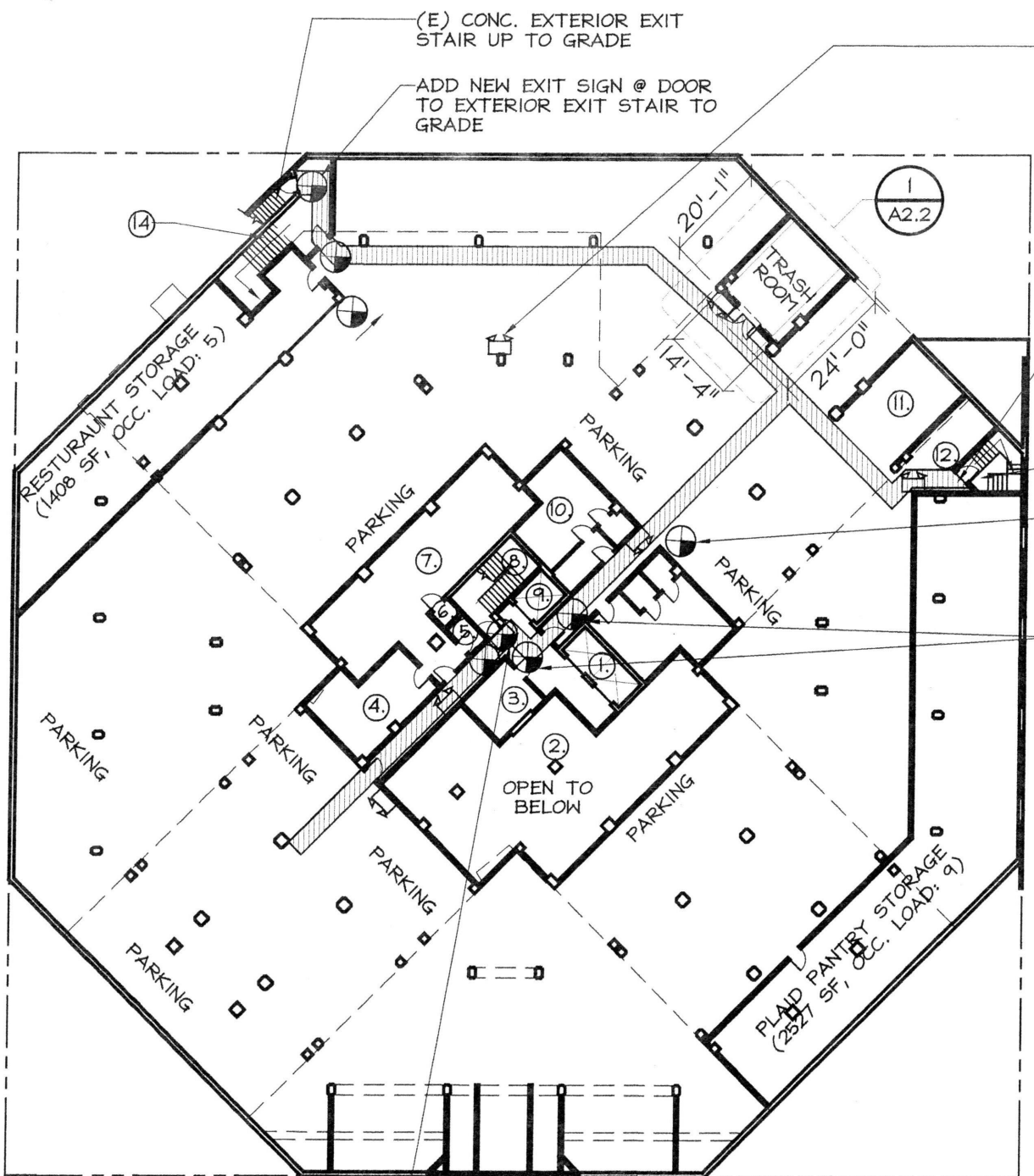




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(N) EMERGENCY EGRESS LIGHTING TYP. OF AT LEAST (6) THIS LEVEL. MEANS OF EGRESS ILLUMINATION MINIMUM OF ONE FOOTCANDLE AT FLOOR LEVEL ALONG THE PATH OF EGRESS. BACKUP POWER PROVIDED FOR A MINIMUM OF 90 MINUTES. EGRESS LIGHTING TO BE BIDDER DESIGNED TO MEET ABOVE REQUIREMENT

NOTE: ALL EXISTING BEARING WALLS AND STRUCTURE ARE CONCRETE OR CMU, ASSUMED TO BE 3-HR RATED CONSTRUCTION. CONCRETE FLOORS AND CEILINGS ASSUMED TO BE 2-HR MIN.

PLAN NOTES - (#)

1. ELEVATORS
2. BOILER RM BELOW
3. PRIVATE STORAGE (131 SF/300= OCC. LOAD: 1)
4. MAINTENANCE SHOP & OFFICE (288 SF/100= OCC. LOAD: 3)
5. MAINTENANCE SUPPLIES (29 SF/300= OCC. LOAD: 1)
6. ELECTRICAL PANELS (16 SF/300= OCC. LOAD: 1)
7. LAUNDRY ROOM (831 SF/200= OCC. LOAD: 5)
8. (E) EXIT STAIR UP FROM BELOW AND CONTINUING UP THROUGH BUILDING (OCC. LOAD SERVED BY EXIT STAIR= 83 OCC.)
9. FREIGHT ELEVATOR
10. CLEANING CLOSET (247 SF/300= OCC. LOAD: 2)
11. (E) PLAID TRASH (307 SF/300= OCC. LOAD: 2)
12. (E) PLAID RECYCLING (184 SF/300= OCC. LOAD: 1)
13. (E) STAIR DOWN TO SUB-BASEMENT LOWER PARKING LEVEL
14. (E) STAIR DOWN TO SUB-BASEMENT LOWER PARKING LEVEL W/ DOOR TO EXTERIOR EXIT STAIR UP TO PLAZA LEVEL (OCC. LOAD SERVED BY EXIT STAIR= 83 OCC.)

RESTAURANT STORAGE (1408 SF/300= OCC. LOAD: 5)  
TRASH ROOM (310 SF/300= OCC. LOAD: 2)  
PARKING (22,106 SF/200= OCC. LOAD: 111)  
PLAID PANTRY STORAGE (2,527 SF/300= OCC. LOAD: 9)

TOTAL BASEMENT LEVEL AREA: 32,867 SF  
OCCUPANCY: PARKING GARAGE, OCCUPANCY LOAD: 165 OCC.

PLAN KEY

- ILLUMINATED EXIT SIGN. ADD WHERE NOTED
- (N) EMERGENCY EXIT LIGHT TO BE INSTALLED ADD WHERE SHOWN. (E) ONLY WHERE NOTED. BIDDER DESIGN PER NOTE THIS PAGE.
- MIN. 42" WIDE EGRESS PATH

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1 BASEMENT LEVEL EGRESS FLOOR PLAN  
A2.0 1/32" = 1'-0"

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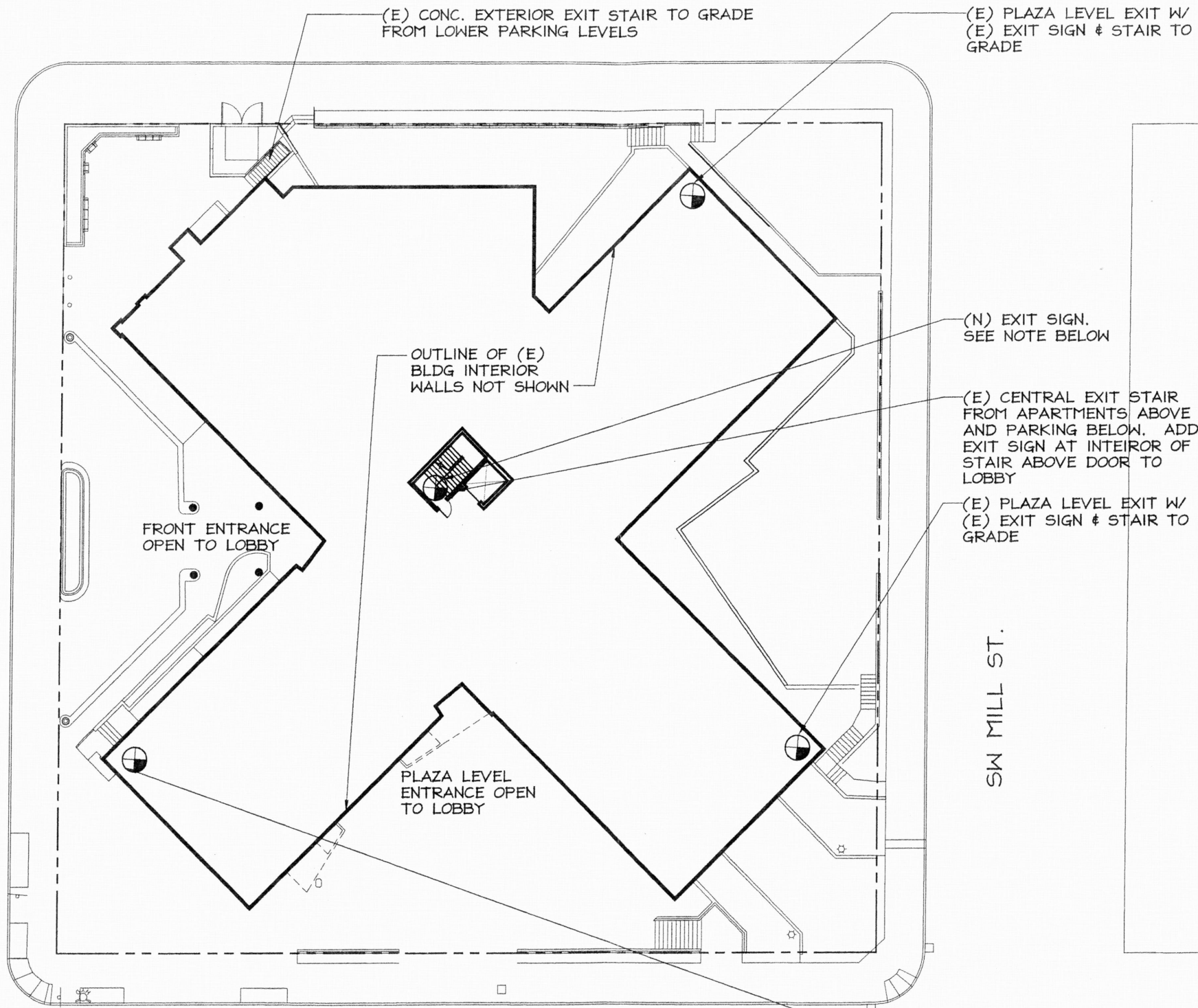
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 A2.1

SW MONTGOMERY ST.

SW 10TH AVE

SW MILL ST.

SW PARK AVE



NOTE: ADDITIONAL EXIT STAIRS FROM APARTMENTS ABOVE MAY EXIST, BUT ARE NOT SHOWN ON PLANS. PLAN SHOWN FOR CLARITY OF EXITING FROM BELOW

1  
 A2.1

PLAZA LEVEL PLAN

1/32" = 1'-0"



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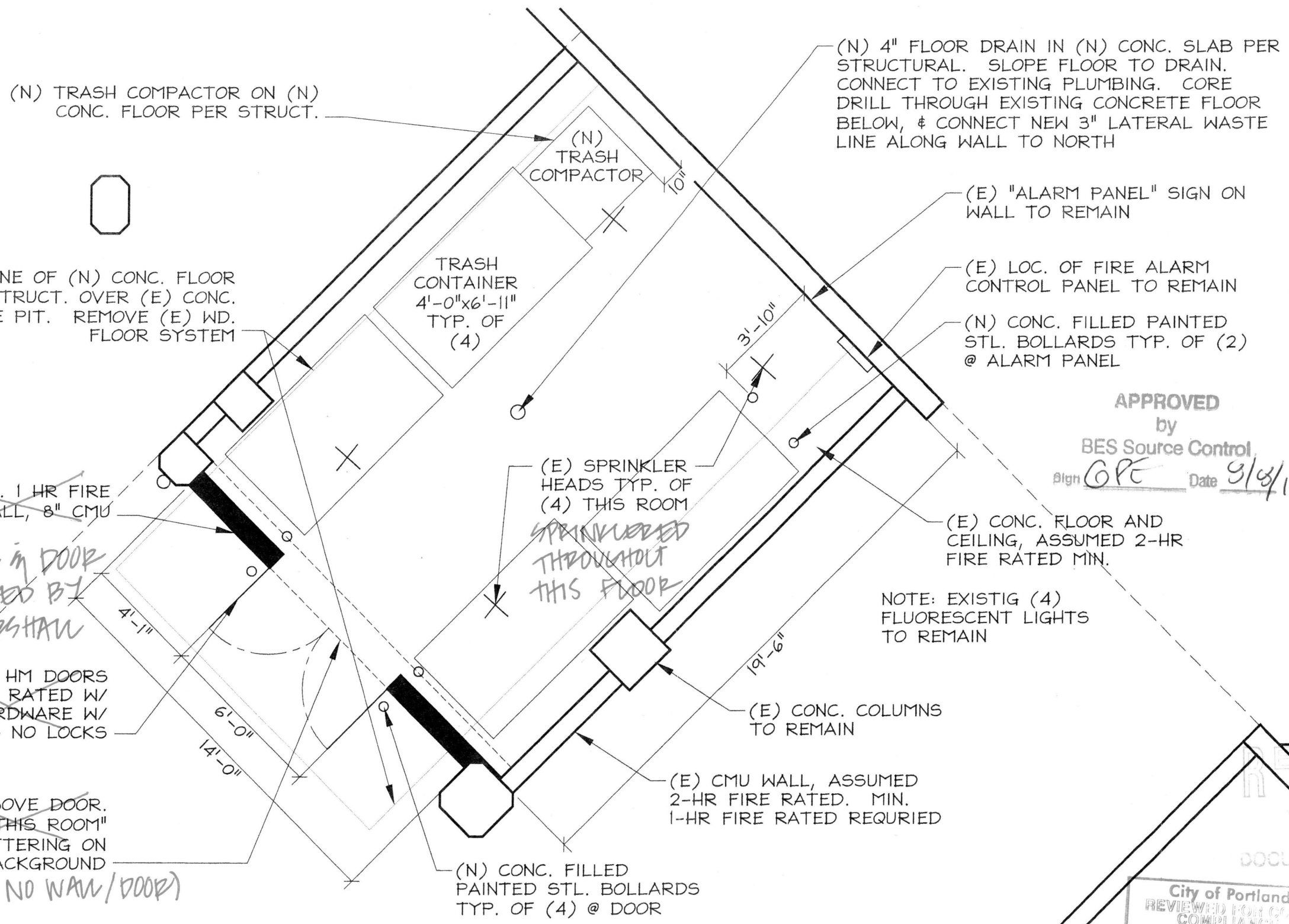
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**A2.2**



**1 TRASH COMPACTOR ROOM PLAN**  
 A2.2 AREA: 310 SF OCCUPANCY LOAD: 2 OCC. 1/4" = 1'-0"

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APPROVED  
 by  
 BES Source Control  
 Sign *OPC* Date *9/8/12*

*NO WALL IN DOOR APPROVED BY FIRE MARSHAL*  
*(N) SIGN ABOVE DOOR. "ALARM PANEL IN THIS ROOM" IN 3" HIGH RED LETTERING ON WHITE BACKGROUND (NO SIGN IF NO WALL/DOOR)*

*SPRINKLERED THROUGHOUT THIS FLOOR*

NOTE: EXISTIG (4) FLUORESCENT LIGHTS TO REMAIN