

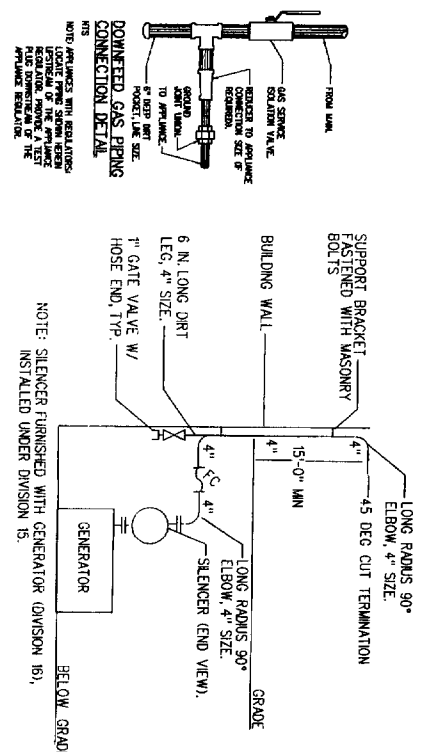
ELECTRICAL PLAN
SCALE: 1/8"=1'-0"

Gas Piping

- A. The Contractor shall furnish & install all gas piping from the meter room to regulator then to each appliance, regulator by contractor.
- B. All piping shall be Schedule 40 ASTM A-53, Steel with ASTM A-197/ANSI B83.3 Class 500 malleable iron, threaded fittings. Provide full size scale pocket and solution valve before connections.
- C. Gas valves shall be Ozzark Fig. 425 eccentric valves, cast iron body, bronze plug with petroleum 175 psi steel. Provide each valve with manual lever handle.
- D. All piping shall be supported in accordance with applicable standards, and codes.
- E. Point of piping with yellow of base metal paint and label every 10 ft.

GENERATOR/EXHAUST SYSTEM PIPING

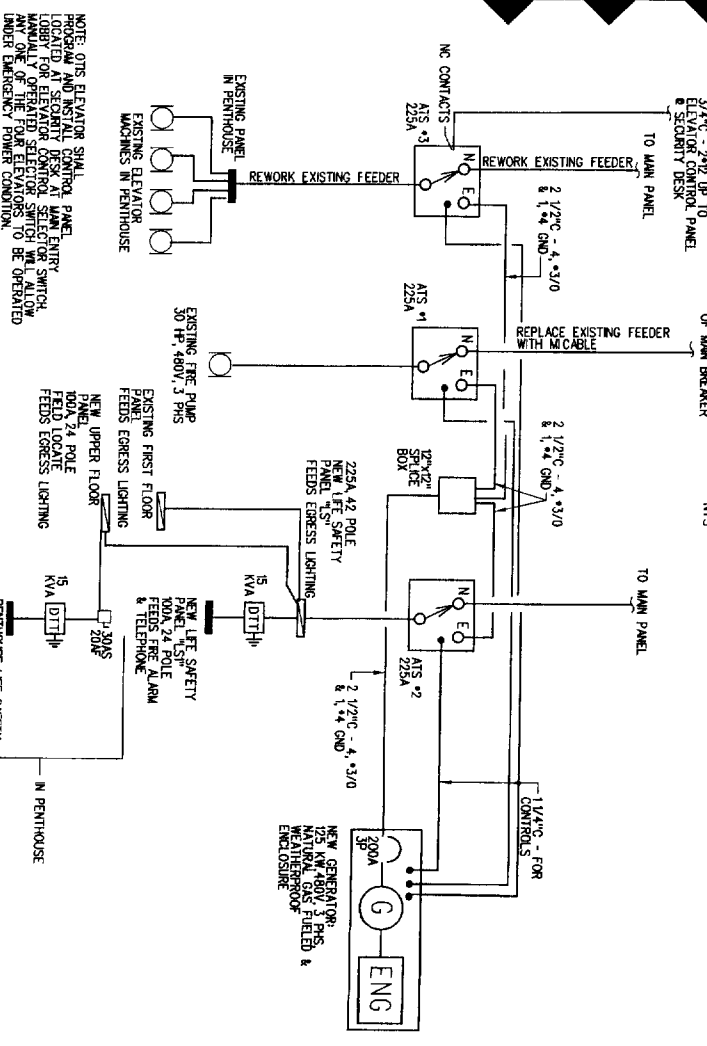
- A. Generator exhaust system piping shall be welded schedule 40 carbon steel. Paint black with oil based exterior paint suitable for application to metal.
- B. Generator to be supplied with exhaust silencer.
- C. Extend exhaust pipe up the side of the building 15' A/G. Turn ninety degrees away from building and cut at 45 deg angle.



EXHAUST PIPING SCHEMATIC
N.T.S.



NOTE: SILENCER FINISHED WITH GENERATOR DIVISION 161, INSTALLED UNDER DIVISION 15.



ONE LINE DIAGRAM
SCALE: NONE

NOTE: OTIS ELEVATOR SIGNAL PROGRAM AND INSTALL CONTROL PANEL LOCATED IN SECURITY DESK AT MAIN ENTRY. MANUALLY OPERATED SELECTOR SWITCH WILL ALLOW ANY ONE OF THE FOUR ELEVATORS TO BE OPERATED UNDER EMERGENCY POWER CONDITION.


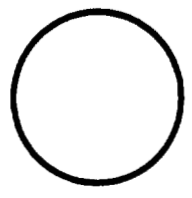
DRAWING TITLE:		REVISIONS		APPROD
ELECTRICAL PLAN		NO.	DATE	
DRAWING NO. E1		CHECKED BY: CWA		1 MONUMENT SQUARE GENERATOR PORTLAND, ME
		PROJECT NO.		
		SCALE: AS NOTED		

BENNETT ENGINEERING
CONSULTING ENGINEERS
Bennett Room, P.O. Box 207, Portland, Maine 04103
Tel: (207) 865-2472
Fax: (207) 865-2473
E-mail: cbe@bennett-engineering.com

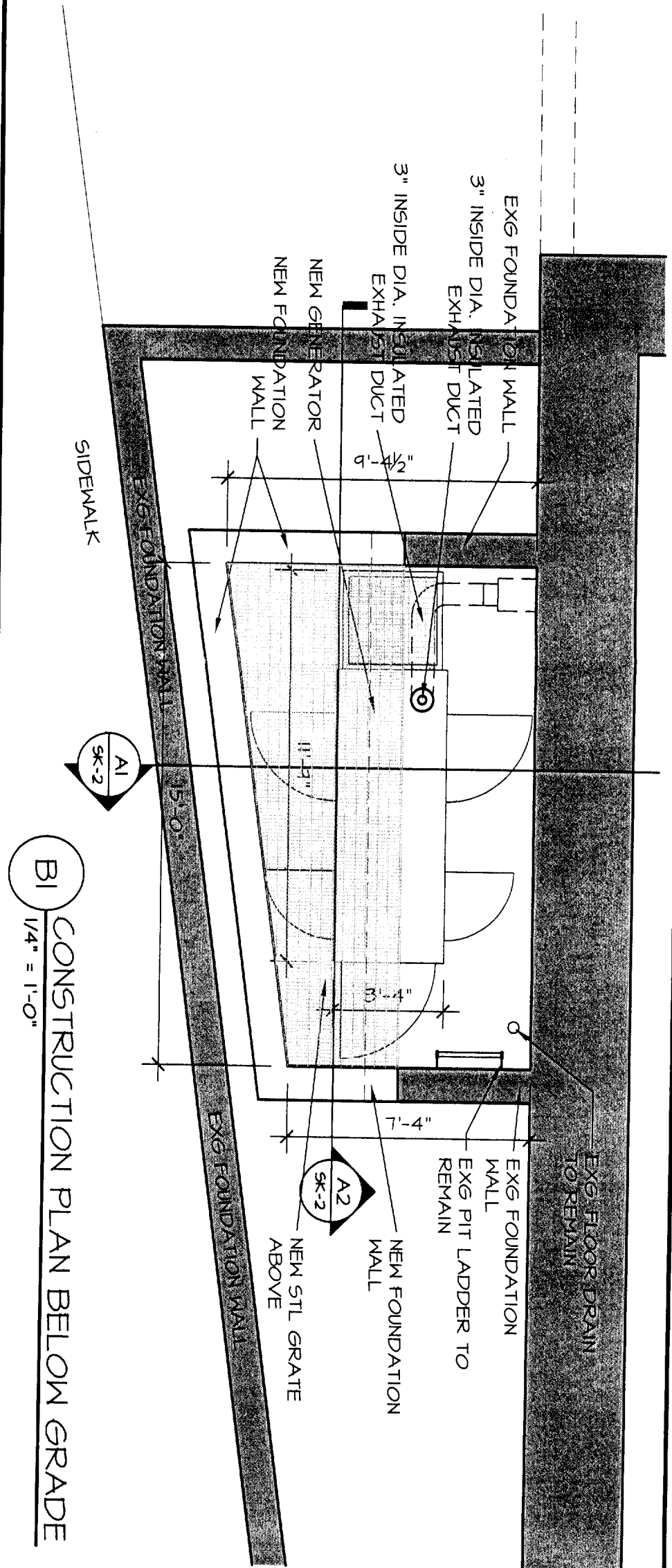
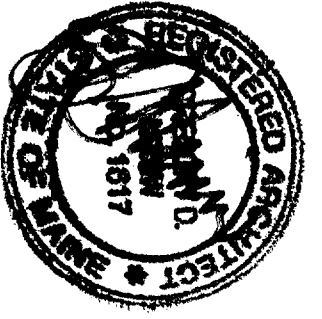


FINARD AND COMPANY NEW GENERATOR ONE MONUMENT SQUARE PORTLAND, MAINE

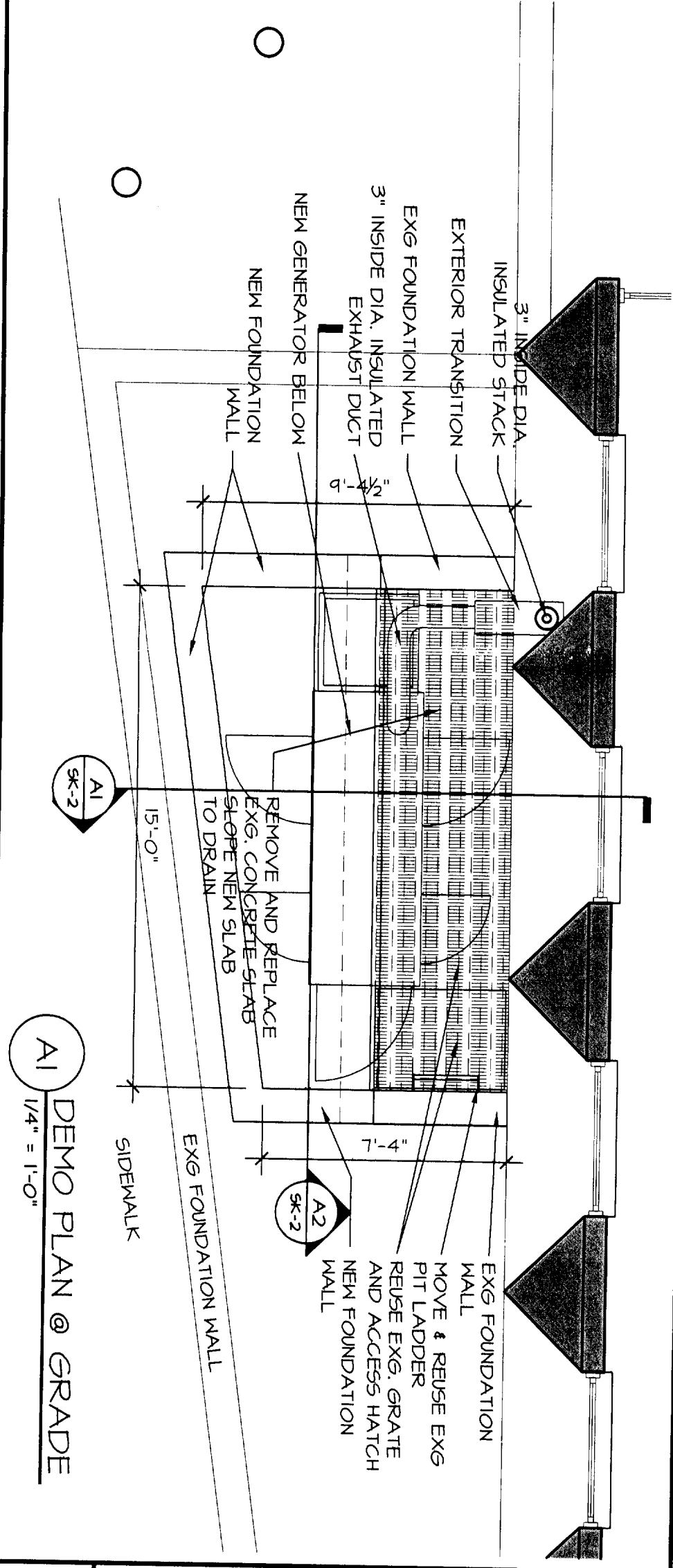


 <p>Cubellis Associates Inc. Boston, Chicago Philadelphia Portland, ME 428 Fore Street, 3rd Fl. Portland, ME 04101 Tel: 207-874-2777 • Fax: 207-874-2775</p>	TITLE SHEET		PROJECT 1 MONUMENT SQ GENERATOR PIT FINARD & CO., PORTLAND, ME		 <p>PROJECT NORTH</p>	NO	DATE	REVISIONS
	DATE 08/29/05	DRAWN BY JMH	CHECKED BY GDN	SCALE AS NOTED		1		7/23/05
					2		08/29/05	

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 05177PT



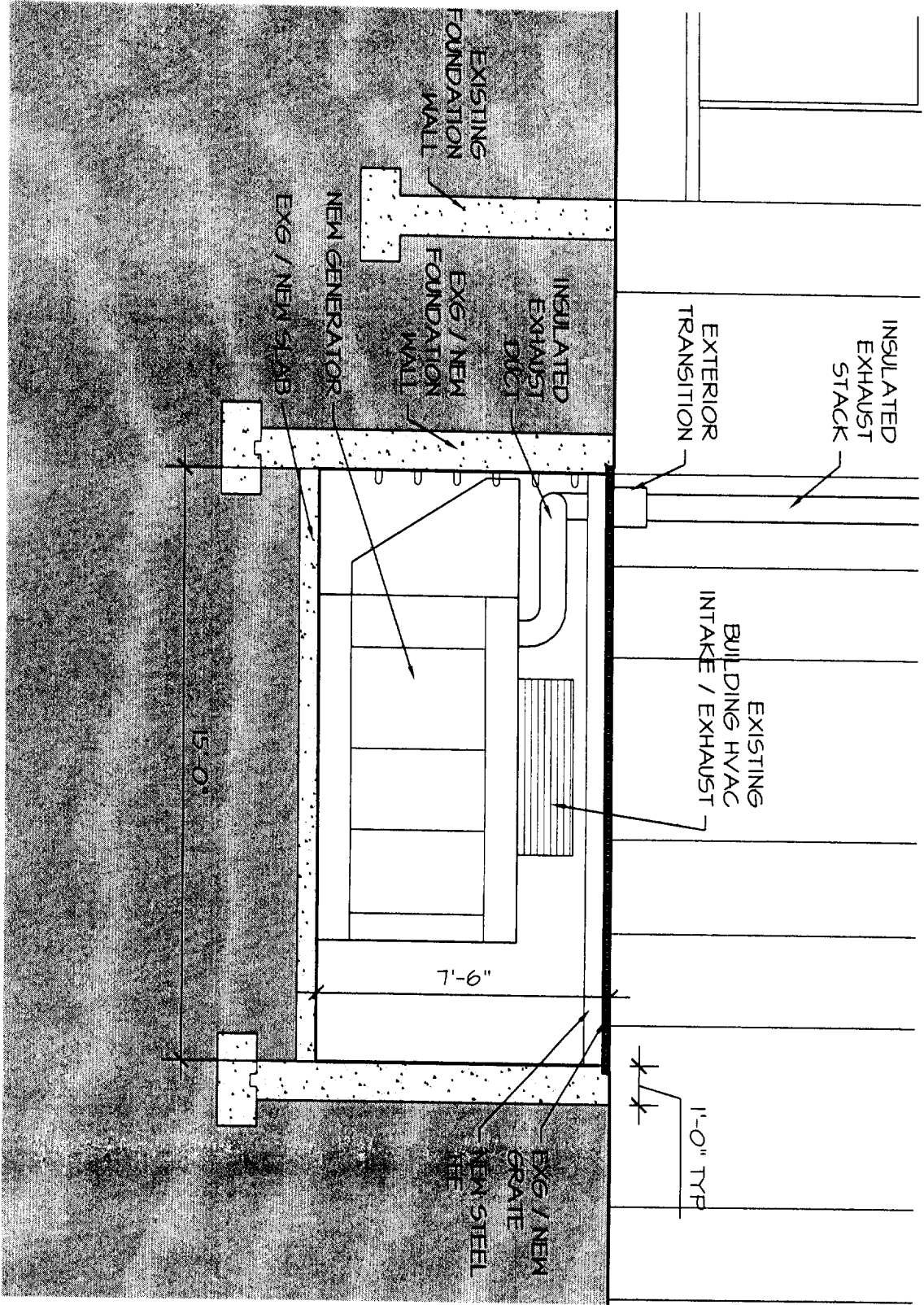
BI
1/4" = 1'-0"



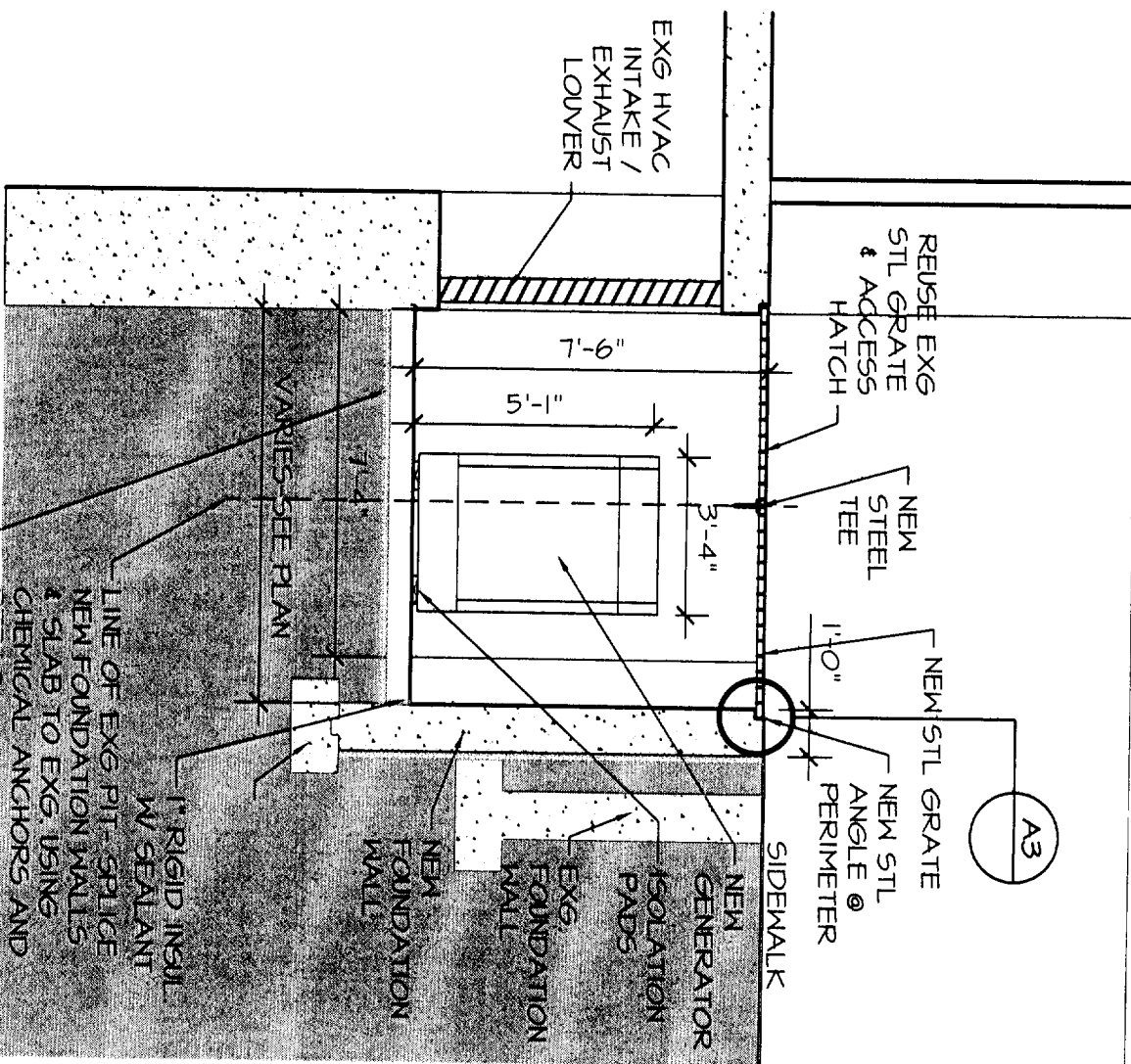
A1
1/4" = 1'-0"

<p>Cubellis Associates Inc. Boston, Chicago Philadelphia Portland, ME 428 Fore Street, 3rd Fl. Portland, ME 04101 Tel: 207-874-2777 • Fax: 207-874-2775</p>	<p>TITLE PLANS</p>		<p>PROJECT 1 MONUMENT SQ GENERATOR PIT FINARD & CO., PORTLAND, ME</p>		<p>PROJECT NORTH</p>	<table border="1"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>7/23/05</td> </tr> <tr> <td>2</td> <td></td> <td>08/29/05</td> </tr> </tbody> </table>	NO	DATE	REVISIONS	1		7/23/05	2		08/29/05
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1		7/23/05													
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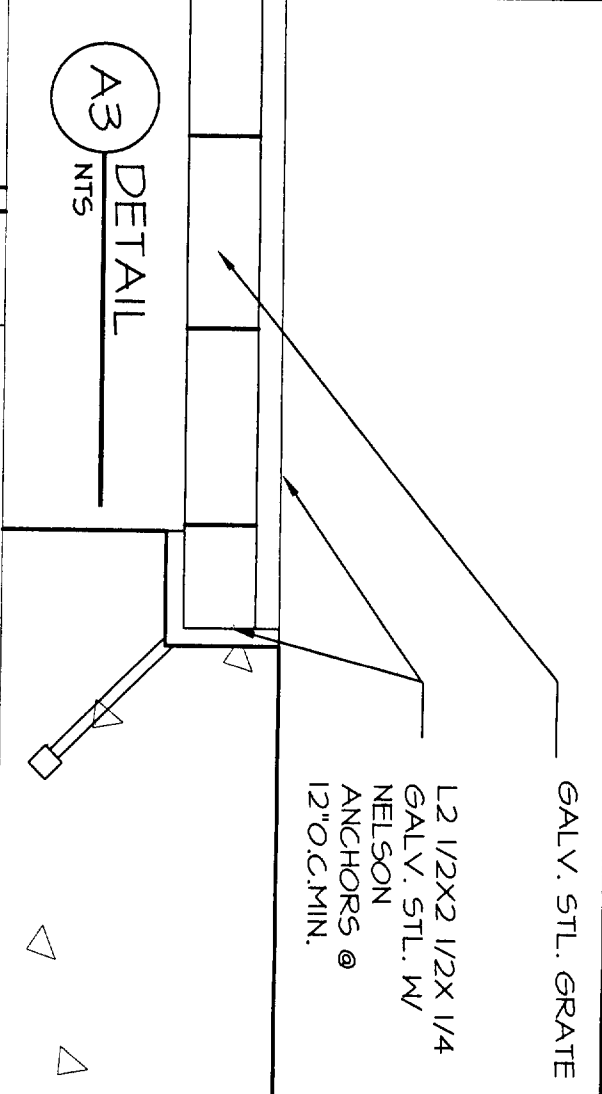
A-1
05177PT



A2
LONG SECTION
1/4" = 1'-0"



A1
CROSS SECTION
1/4" = 1'-0"



A3
DETAIL
NTS

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Boston, Chicago 428 Fore Street, 3rd Fl. Portland, ME 04101
Philadelphia Portland, ME Tel: 207-874-2777 • Fax: 207-874-2775

DATE 09/29/05
DRAWN BY JMH
CHECKED BY GDN

TITLE SECTIONS
SCALE AS NOTED

PROJECT
**1 MONUMENT SQ
GENERATOR PIT**
FINARD & CO., PORTLAND, ME

PROJECT NORTH

NO	DATE	REVISIONS
1	07/23/05	
2	08/29/05	

A-2
0577PT

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

FOUNDATION NOTES:

1. FOUNDATION DESIGNED BASED ON AN ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE OF 2500 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, WET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.
2. DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-6" BELOW FINISHED GRADE.
3. NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS OR SLABS UNLESS NOTED OTHERWISE.
4. EXCAVATING AND BACK FILLING AT NEW AND EXISTING FOUNDATION WALLS SHALL BE DONE SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE DIFFERENT BACK FILL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS ARE PLACED AND PROPERLY SET, TO PROVIDE FULL SUPPORT.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY NEEDLING, SHORING, OR BRACING OF EXISTING STRUCTURES.

1 MONUMENT SQUARE GENERATOR PIT PORTLAND, MAINE

STRUCTURAL DESIGN CRITERIA:

1. BUILDING CODE: IBC 2003 BUILDING CODE

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL CONFORM TO ACI-318-93.
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI AT FOUNDATION WALLS AND FOOTINGS, 4000 PSI AT ELEVATED FLOOR SLABS, MAXIMUM SIZE AGGREGATE SHALL BE 3/4".
3. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-315 LATEST EDITION, AND PLACED IN ACCORDANCE WITH ACI-318.
6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND BE PROVIDED IN FLAT SHEETS.
7. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318-93. SPLICES OF WWF SHALL BE 6" MINIMUM.
8. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.
9. HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.
10. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
 CONCRETE CAST AGAINST EARTH = 3"
 CONCRETE EXPOSED TO EARTH OR WEATHER = 1 1/2"
 CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 3/4"
11. SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.

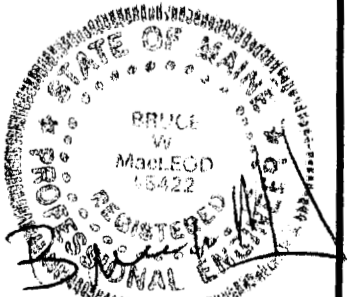
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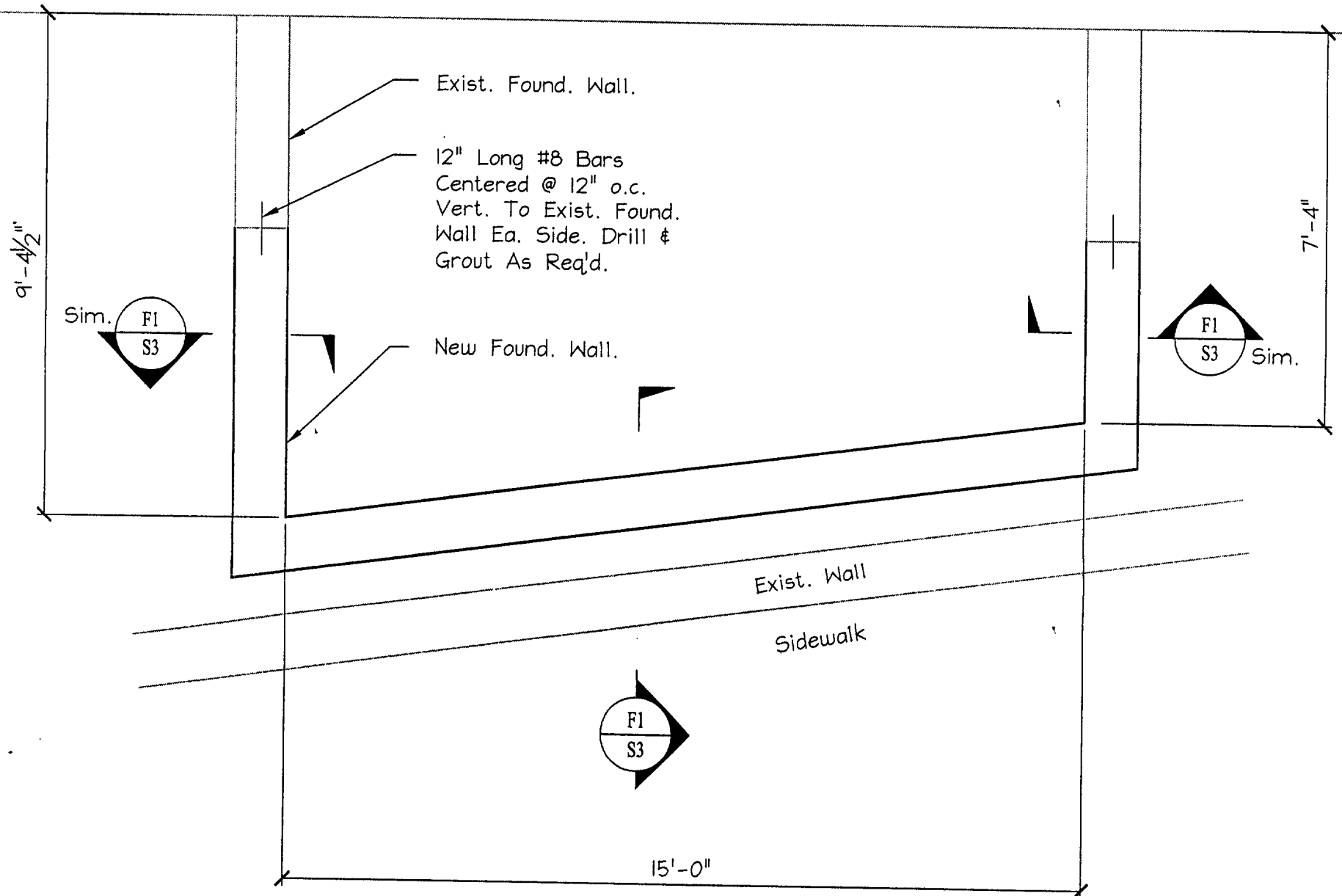


98 Bridge Street
Westbrook, ME 04092
Tel: (207) 856-0044
Fax: (207) 856-1616
Toll Free: (877) 88-STEEL

1 MONUMENT SQUARE GENERATOR PIT

PORTLAND		MAINE
SHEET TITLE: GENERAL NOTE SHEET		
THIS DRAWING IS ISSUED: <input checked="" type="checkbox"/> Submitted For Construction		DATE: 08/25/05
DRN BY: NJB	DATE: 08/25/04	PROJ. NO: 2005-311
CHKD BY: BWM	SCALE: AS NOTED	DWG: S1 OF 4

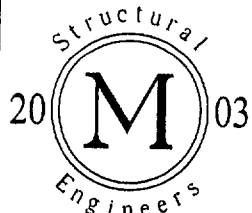




GENERATOR PIT PLAN

SCALE: 3/8" = 1'-0"

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1 MONUMENT SQUARE GENERATOR PIT

PORTLAND

MAINE

SHEET TITLE:

GENERATOR PIT PLAN

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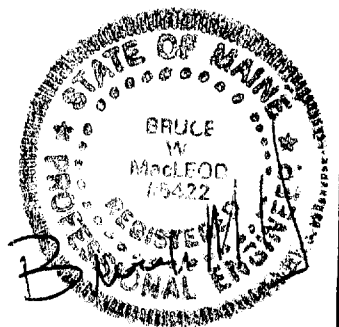
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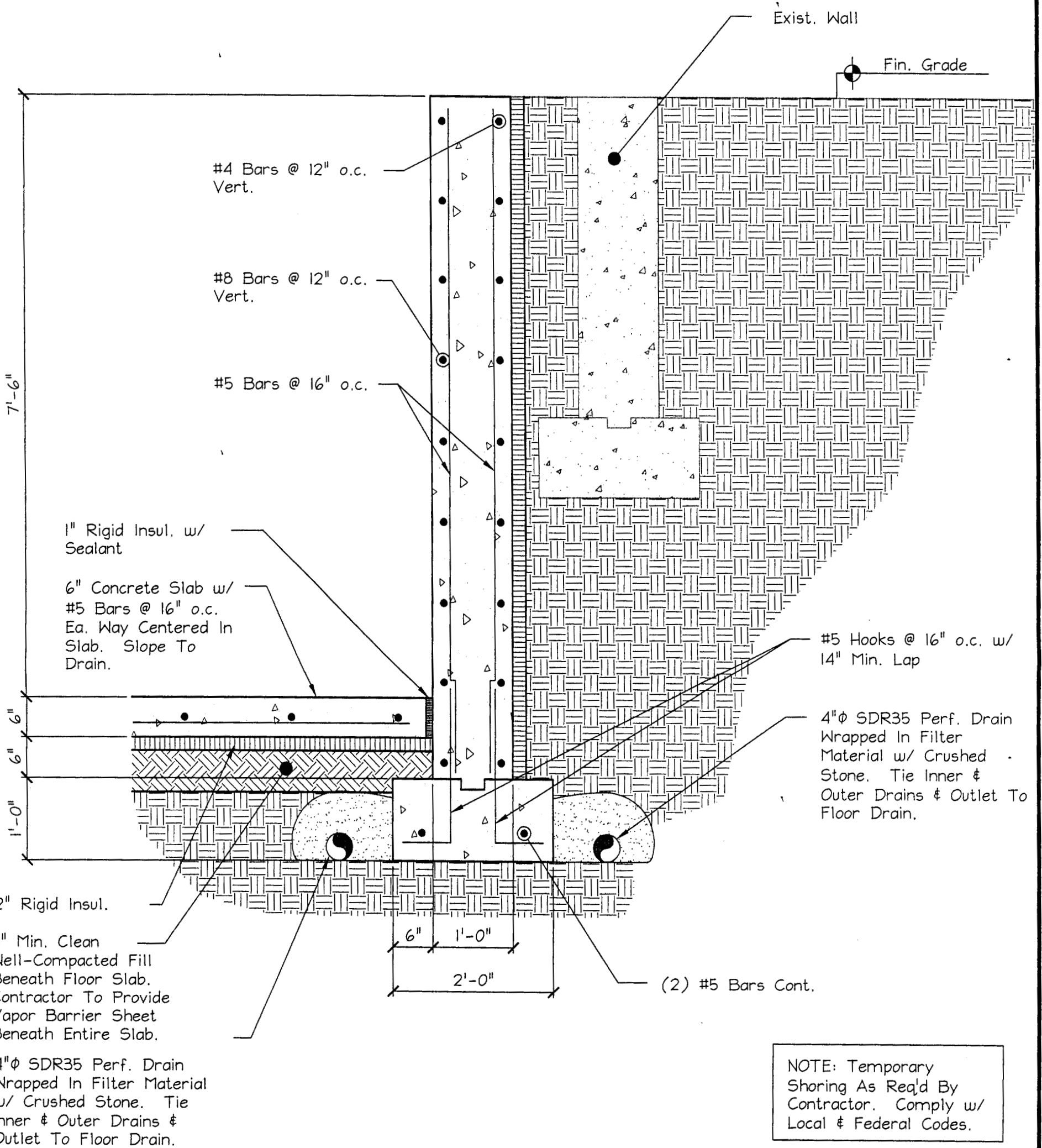
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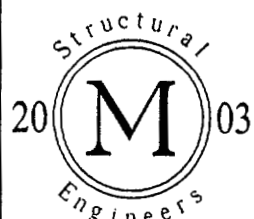
DWG: S2 OF 4





SECTION (F1) **SECTION @ GENERATOR PIT**
 SCALE: 3/4" = 1'-0" (S2)

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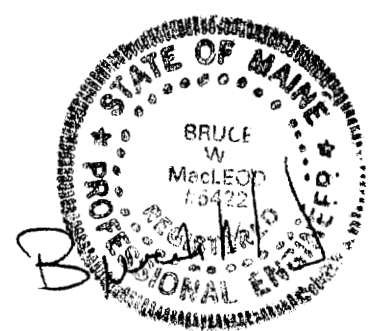
**1 MONUMENT SQUARE
 GENERATOR PIT**

PORTLAND MAINE

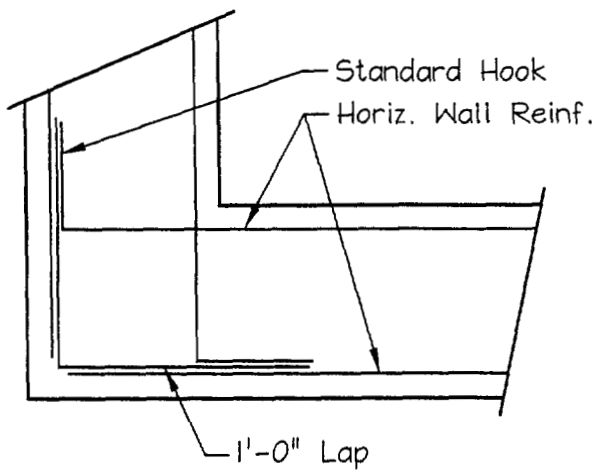
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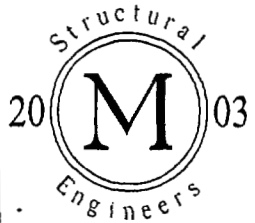


Plan - Typ. Reinf. @ Corners

DETAIL - TYPICAL WALL REINFORCING

SCALE: 1" = 1'-0"

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1 MONUMENT SQUARE GENERATOR PIT

PORTLAND

MAINE

SHEET TITLE:

GENERATOR PIT DETAILS

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SCALE:

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DWG:

S4 OF 4

