Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUREAU OF INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 061671

PERMIT ISSUED

DEC 23

CITY OF PORTLAND

This is to certify that BROWN J B & SONS /ES Ellos Company

has permission to install an emergency generator on roof of building

AT 901 WASHINGTON AVE 171 A005001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Jay Kelley 11/21/06

Health Dept.

Appeal Board

Other

Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
06-1671		171 A005001

Location of Construction:	Owner Name:	Owner Address:	Phone:
901 WASHINGTON AVE	BROWN J B & SONS	PO BOX 207	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	ES Boulos Company	45 Bradley Drive Westbrook	2074643706
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Alterations - Commercial	B-2

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Commercial	Commercial - install an emergency generator on roof of building	$500.00	$48,000.00	4

FIRE DEPT: ☑ Approved ☐ Denied

Signature: Jay Kelley 11/21/06

INSPECTION: Use Group: B Type: 2B 12/23/06

Signature:

Proposed Project Description:
install an emergency generator on roof of building

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taker By:	Date Applied For:
ldobson	11/16/2006

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date:	Date:	Date:

Noise restrictions in the B-2 Zone Apply

ok with Conditions 11/16/06

ISSUED

CITY OF PORTLAND

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

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06-1671	12/27/2006	171 A005001

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Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
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Commercial	Commercial - install an emergency generator on roof of building	$500.00	$48,000.00	4

FIRE DEPT: ☐ Approved ☐ Denied — Signature:

INSPECTION: Use Group: Type: — Signature:

Proposed Project Description:
install an emergency generator on roof of building

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Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
ldobson	11/16/2006

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DEC 2 3
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Date:	Date:	Date:

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SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 901 Washington Ave.		
Total Square Footage of Proposed Structure	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# 170 Block# F Lot# 1	Owner: Maine Medical Center	Telephone:
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: E. S. Boulos Co. 45 Bradley Dr. Westbrook, ME 04092 207-464-3706	Cost Of Work: $ 6,000 Fee: $ 500 C of O Fee: $

Current Specific use: Medical office space

If vacant, what was the previous use? _____

Proposed Specific use: Same

Project description: Install emergency generator on roof of building

Contractor's name, address & telephone: E S Boulos Co. 45 Bradley Dr. Westbrook, ME 04092 207-464-3706

Who should we contact when the permit is ready: Greg Perron

Mailing address: Same as above. Phone: 207-464-3706

DEPT OF BUILDING INSPECTION CITY OF PORTLAND, ME NOV 16 2006 RECEIVED

Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant:	**Date:** 11/16/06

This is not a permit; you may not commence ANY work until the permit is issued.

CITY OF PORTLAND
BUILDING CODE CERTFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: _____

RE: Certificate of Design

DATE: 11.15.06

These plans and / or specifications covering construction work on:

ROOFTOP GENERATOR - STRUCTURAL SUPPORTS FOR ROOF

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the ***2003 International Building Code*** and local amendments.

STATE OF MAINE
CAROLYN
(SEAL)
BIRD
9956
REGISTERED
PROFESSIONAL ENGINEER

As per Maine State Law:

$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

Signature: _____

Title: VICE PRESIDENT

Firm: CASCO BAY ENGINEERING

Address: 424 FORE ST.
PORTLAND, ME 04101

FROM DESIGNER: See Drawings

DATE: _____

Job Name: _____

Address of Construction: _____

2003 *International Building Code*

Construction project was designed according to the building code criteria listed below:

Building Code and Year _____ Use Group Classification(s) _____

Type of Construction _____

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC_____

Is the Structure mixed use?_____ if yes, separated or non separated (see Section 302.3)_____

Supervisory alarm system?_____ Geotechnical/Soils report required?(See Section 1802.2)_____

STRUCTURAL DESWN CALCULATIONS

_____ Submitted for all structural members *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(7603.11, 1607)*

Floor Area Use	Loads Shown

Wind loads *(1603.1.4, 1609)*

_____ Design option utilized (1609.1. *1*, 1609.6)

_____ Basic wind speed *(1809.3)*

_____ Building category and wind importance factor, I_w (Table *1604.5*, 1609.5)

_____ Wind exposure category *(1609.4)*

_____ Internal pressure coefficient *(ASCE 7)*

_____ Component and cladding pressures *(1609.1.1; 1609.6.2.2)*

_____ Main force wind pressures (7603.1. *1*, *1609.6.2.1)*

Earthquake design data *(1603.1.5,* 1614 - *1623)*

_____ Design option utilized *(1614.1)*

_____ Seismic use group ("Category") *(Table* 1604.5; *1616.2)*

_____ Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*

_____ Site class *(1615.1.5)*

_____ Live load reduction *(1603.1.1, 1607.9, 1607.10)*

_____ Roof *live* loads *(1603.1.2,* 1607.11)

Roof snow loads *(7603.7.3,1608)*

_____ Ground snow load, P_g (1608.2)

_____ If P_g > 10 psf, flat-roof snow load, P_f *(1608.3)*

_____ If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.3.1)*

_____ If P_g > 10 psf, snow load importance factor, I_s *(Table 1604.5)*

_____ Roof thermal factor, C_t *(Table 1608.3.2)*

_____ Sloped roof snowload, P_s *(1608.4)*

_____ Seismic design category *(1616.3)*

_____ Basic seismic-force-resisting system *(Table 1617.6.2)*

_____ Response modification coefficient, R_I and deflection amplification factor, C_d *(Table 1617.6.2)*

_____ Analysis procedure *(1616.6,* 16175)

_____ Design base shear (1617.4, *1617.5.1)*

Flood loads *(1603.1.6, 1612)*

_____ Floodhazard area (1612.3)

_____ Elevation of structure

Other loads

_____ Concentrated loads (1607.4)

_____ Partition loads (1607.5)

_____ Impact loads *(1607.8)*

_____ Misc. loads (*Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)*

Milton CAT
Power Systems Division

Southworth-Milton, Inc.
16 Pleasant Hill Road
Scarborough, ME 04074
Tel: (207) 885.8044
Fax: (603) 746.4630

November 13, 2006

ATTN: Greg Perron
ES Boulos Co.
45 Bradley Drive
Westbrook, ME 04092

Subject: 901 Washington Ave. / Poison Control Center

Dear Greg:

The Caterpillar Olympian series model G30F3 Natural Gas fueled package generator set that we provided for the above referenced project has an untreated sound level of 88 dB(A) @ 3 feet in free field conditions.

The effects of distance on sound can be dramatic. For example, at 25' away, there will be a decease of at least 5 dB(A). At 50' away, there will be a decrease of at least 8 dB(A). At 100' 100' away, there will be a decrease of at least 14 dB(A).

For your reference, I've attached the generator set performance data sheet with advertised sound level indicated.

Please feel free to contact me with any questions.

Sincerely,

Mike Gilbert
Power Systems Sales Representative
207-885-8044

STANDBY 30/30 kW
PRIME 27/27 kW
60 Hz

OLYMPIAN™

Exclusively from your Caterpillar® dealer

G30F3 (3-Phase)

Materials and specifications are subject to change without notice.

Generator Set Technical Data — 1800 rpm/60 Hz		LP Gas		Natural Gas	
		Standby	Prime	Standby	Prime
Power Rating	kW (kVA)	30.0 (37.5)	27.0 (33.8)	30.0 (37.5)	27.0 (33.8)
Lubricating System					
Type: Full Pressure					
Oil Filter: Spin-On, Full Flow					
Oil Type Required: API CF-4					
Total Oil Capacity	U.S. gal (L)	1.5 (5.7)	1.5 (5.7)	1.5 (5.7)	1.5 (5.7)
Oil Pan	U.S. gal (L)	1.2 (4.7)	1.2 (4.7)	1.2 (4.7)	1.2 (4.7)
Fuel System					
Generator Set Fuel Consumption					
100% Load	Cfh (m^3/hr)	164 (4.7)	147 (4.2)	454 (12.9)	410 (11.6)
75% Load	Cfh (m^3/hr)	124 (3.5)	112 (3.2)	345 (9.8)	306 (8.7)
50% Load	Cfh (m^3/hr)	85 (2.4)	74 (2.1)	236 (6.7)	204 (5.8)
Engine Electrical System					
Ignition System: Electronic, Distributorless					
Voltage/Ground: 12/Negative					
Battery Charging Generator Ampere Rating	Amps	95	95	95	95
Cooling System					
Water Pump Type: Centrifugal					
Radiator System Capacity Incl. Engine	U.S. gal (L)	5.3 (20)	5.3 (20)	5.3 (20)	5.3 (20)
Maximum Coolant Static Head	Ft H_2O (m H_2O)	32.4 (9.8)	32.4 (9.8)	32.4 (9.8)	32.4 (9.8)
Coolant Flow Rate	U.S. gal/hr (L/min)	1236 (79.5)	1236 (79.5)	1236 (79.5)	1236 (79.5)
Minimum Water Temperature to Engine	°F (°C)	169 (76)	169 (76)	169 (76)	169 (76)
Temperature Rise Across Engine (Air)	°F (°C)	9 (5)	9 (5)	9 (5)	9 (5)
Heat Rejected to Coolant at Rated Power	Btu/min (kW)	1182 (20.8)	1069 (18.8)	1182 (20.8)	1069(18.8)
Total Heat Radiated to Room at Rated Power	Btu/min (kW)	932 (16.4)	847 (14.9)	932 (16.4)	847 (14.9)
Radiator Fan Load	Hp (kW)	1.88 (1.4)	1.88 (1.4)	1.88 (1.4)	1.88 (1.4)
Air Requirements					
Combustion Air Flow	Cfm (m^3/min)	53 (1.5)	50 (1.4)	53 (1.5)	50 (1.4)
Maximum Air Cleaner Restriction	In H_2O (kPa)	10.1 (2.5)	10.1 (2.5)	10.1 (2.5)	10.1 (2.5)
Radiator Cooling Air (zero restriction)	Cfm (m^3/min)	6356 (180)	6356 (180)	6356 (180)	6356 (180)
Generator Cooling Air	Cfm (m^3/min)	381 (10.8)	381 (10.8)	381 (10.8)	381 (10.8)
Allowable Air Flow Restriction (After radiator)	In H_2O (kPa)	0.5 (0.125)	0.5 (0.125)	0.5 (0.125)	0.5 (0.125)
Cooling Airflow (@ rated speed)					
Rate with restriction	Cfm (m^3/min)	4238 (120)	4238 (120)	4238 (120)	4238 (120)
Exhaust System					
Maximum Allowable Backpressure	In Hg (kPa)	4.5 (15.3)	4.5 (15.3)	4.5 (15.3)	4.5 (15.3)
Exhaust Flow at Rated kW	Cfm (m^3/min)	141 (4)	131 (3.7)	141 (4)	131 (3.7)
Exhaust Temperature at Rated kW —					
Dry Exhaust	°F (°C)	1080 (584)	1054 (570)	1080 (584)	1054 (570)
Generator Set Noise Rating*					
(Without Attenuation) at 3 ft (1 m)	dB(A)	88	88	88	88

Generator Technical Data		277/480V	120/240V	120/208V
Motor Starting Capability: (kVA)				
(30% Voltage Dip)	Self Excited	72	54	54
	AREP Excited	85	64	64
Full Load Efficiencies (LPG):	Standby	90.1	89.0	89.0
	Prime	90.4	89.5	89.5
Reactances (per unit):	X_d	2.21	2.94	2.94
	X'_d	0.12	0.16	0.16
Reactances shown are applicable to the LPG standby rating	X''_d	0.058	0.078	0.078
	X_q	1.10	1.47	1.47
	X''_q	0.083	0.110	0.110
	X_2	0.071	0.094	0.094
	X_0	0.006	0.007	0.006
Time Constants:		t'_d 25 ms	t''_d 2.5 ms	t'_{do} 469 ms / t_a 4 ms

* dB(A) levels are for guidance only

ALL STRUCTURAL STEEL WORK SHALL CONFORM TO:

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, NINTH EDITION
AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

STRUCTURAL STEEL MEMBERS SHALL BE IN CONFORMANCE WITH THE FOLLOWING:

ALL STEEL, UNO	ASTM A572, GRADE 50
ANGLES, PLATES	ASTM A36, Fy=36 KSI
STRUCTURAL TUBING	ASTM A500, GRADE B, Fy=46 KSI
STEEL PIPE	ASTM A53, TYPE E OR S, GRADE B, Fy=35 KSI

SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCING FABRICATION.
SHOP DRAWINGS SUBMITTALS SHALL INCLUDE:

CERTIFIED MILL TEST REPORTS OF STRUCTURAL STEEL (INCLUDING NAMES AND LOCATIONS OF MILLS AND SHOPS).
CERTIFIED MILL TEST REPORTS OF BOLTS, NUTS AND WASHERS (INCLUDING NAMES AND LOCATIONS OF MILLS AND SHOPS).
STRUCTURAL STEEL FABRICATION AND ERECTION DRAWINGS WHICH INCLUDE BOLTED CONNECTIONS (SHOP AND FIELD) AND WELDED CONNECTIONS (SHOP AND FIELD) DEPICTING AWS WELDING SYMBOLS.
METAL DECK SHOP DRAWINGS DEPICTING SHEAR STUD LAYOUT ON BEAMS AND GIRDERS.

OWNER SHALL RETAIN A QUALIFIED TESTING AGENCY TO PERFORM AND VERIFY THE FOLLOWING:

VISUAL INSPECTION OF ALL WELDS.
ULTRASONIC TESTING, IN ACCORDANCE WITH ASTM E-164, ON 100% OF ALL FIELD FULL PENETRATION WELDS.
PROVIDE RANDOM VERIFICATION VIA ULTRASONIC TESTING OF SHOP FULL PENETRATION WELDS.
FIELD BOLTED CONNECTIONS, INCLUDING VERIFICATION OF BOLT GRADES.
SHEAR STUD QUANTITY, PROPER INSTALLATION, SIZE, AND SPACING. SHEAR STUDS SHALL CONFORM TO AWS D1.1.

BOLTED CONNECTIONS

FIELD CONNECTIONS SHALL UTILIZE MINIMUM 3/4-INCH DIAMETER A325 HIGH STRENGTH BOLTS, UNO.
BOLTED CONNECTION SHALL BE SLIP CRITICAL (SC) AT ALL MOMENT FRAMES, BRACED FRAMES, AND AT ADDITIONAL LOCATIONS INDICATED IN THE DRAWINGS. SLIP CRITICAL CONNECTIONS SHALL UTILIZE LOAD INDICATOR WASHERS OR TENSION CONTROL BOLTS. BOLT HOLES SHALL BE STANDARD SIZE, UNO.

HIGH STRENGTH BOLTS SHALL BE INSTALLED AND TIGHTENED PER AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS.

ANCHOR BOLTS SHALL CONFORM TO ASTM A307, GRADE A, STANDARD HEX HEAD FURNISHED WITH HEAVY HEX NUTS AND LOCK WASHERS.

CONTRACTOR SHALL DESIGN CONNECTIONS NOT ALREADY DETAILED ON STRUCTURAL DRAWINGS. DESIGN SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER AND SUBMITTED PRIOR TO COMMENCING FABRICATION.

WELDED CONNECTIONS

WELDING SHALL CONFORM TO AWS D1.1. USE LOW-HYDROGEN SMAW ELECTRODES WITH MINIMUM TENSILE STRENGTH OF 70 KSI.

STRUCTURAL STEEL SHALL RECEIVE THE FOLLOWING PROTECTIVE COATINGS:

DO NOT PAINT SURFACES TO RECEIVE METAL DECK AND/ OR SHEAR CONNECTORS FASTENED BY WELDING, CONTACT SURFACES OF HIGH STRENGTH BOLTED CONNECTIONS, FINISHED BEARING SURFACES, AND SURFACES TO BE WELDED IN THE FIELD. IF REQUIRED, PROTECT THESE SURFACES BY RUST-INHIBITING COATING THAT CAN BE REMOVED EASILY PRIOR TO ERECTION

UNEXPOSED STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP3 AND PAINTED WITH PRIMER PAINT,TNEMEC 10-99, OR EQUIVALENT, UNO.

EXPOSED STRUCTURAL STEEL TO RECEIVE ZINC-RICH EPOXY PAINT SHALL BE FIRST CLEANED IN ACCORDANCE WITH SSPC-SP6 ,COMMERCIAL BLAST CLEANING. USE TNEMEC ZIN-RICH EPOXY PAINT, OR EQUIVALENT. APPLY FINISH COAT PER ARCHITECT.

EXPOSED STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A123.

SHEAR CONNECTOR STUDS

SHEAR CONNECTOR STUDS SHALL BE NELSON, OR EQUIVALENT, 3/4-INCH DIAMETER, UNO. WELD STUDS PER STUD MANUFACTURER'S RECOMMENDATIONS THROUGH METAL DECKING. STUD LENGTH SHALL BE 1-INCH BELOW TOP OF CONCRETE SLAB ON DECK.

SHEAR STUDS, WHERE REQUIRED, ARE INDICATED ON THE DRAWINGS AS [XX], WHERE XX IS THE NUMBER OF STUDS EQUALLY SPACED BETWEEN SUPPORTS ON A BEAM OR GIRDER.

STEEL NOTES

THE FOLLOWING BUILDING CODES AND STANDARDS SHAL

IBC	2003 EDITION OF THE IBC INTERNATIO
ASCE 7	AMERICAN SOCIETY OF CIVIL ENGINEER STRUCTURES
ACI 301	AMERICAN CONCRETE INSTITUTE SPECI
AISC	AMERICAN INSTITUTE OF STEEL CONSTI
ACI 318	AMERICAN CONCRETE INSTITUTE BUILDI
ASTM	AMERICAN SOCIETY OF TESTING AND M
NDS	NATIONAL DESIGN SPECIFICATIONS FOR ASSOCIATION, 2001.

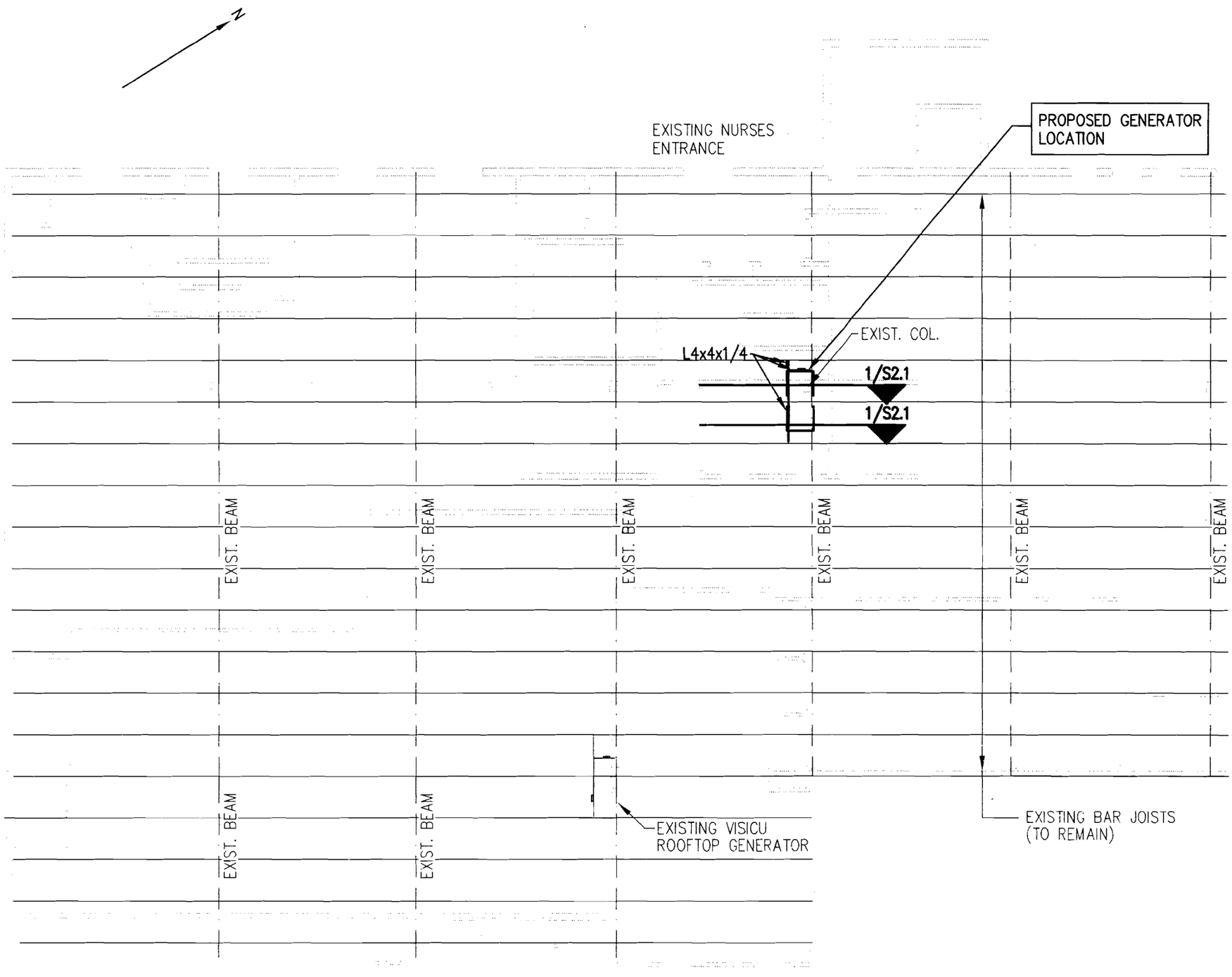
REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS N
ELECTRICAL, AND ARCHITECTURAL PLANS FOR SIZES A
DUCTS, PIPING, CURBS, AND EQUIPMENT PADS. IN THE
DRAWINGS, SPECIFICATIONS, OR NOTES ON THE DRAWIN
TO CONSTRUCTION.

EXISTING DIMENSIONS AND CONDITIONS ARE FOR REFER
ALL EXISTING CONSTRUCTION AND DIMENSIONS IN THE
ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGI

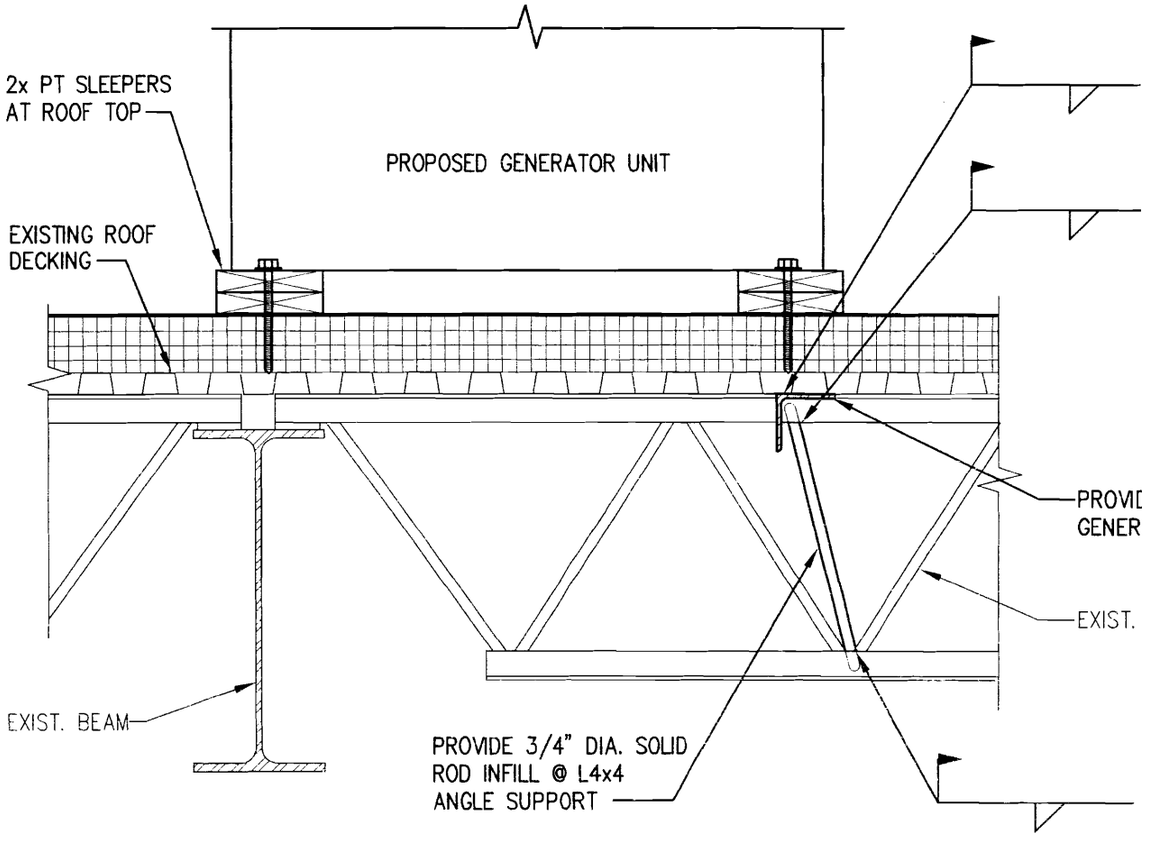
THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DEV
CONTRACT DOCUMENTS OR APPROVED SHOP DRAWINGS
OR OTHER CAUSES.

THE STRUCTURE IS SELF-SUPPORTING AND STABLE AF
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTI
CONSTRUCTION AND ERECTION TO PROVIDE AND ENSUR
ITS COMPONENTS DURING CONSTRUCTION AND ERECTIO
STRUCTURAL ENGINEER TO DESIGN TEMPORARY BRACIN
BRACING/SHORING IS NEEDED.

GENERAL NOTES



PARTIAL ROOF FRAMING PLAN


2x PT SLEEPERS
AT ROOF TOP
PROPOSED GENERATOR UNIT
EXISTING ROOF
DECKING
PROVI
GENER
EXIST.
EXIST. BEAM
PROVIDE 3/4" DIA. SOLID
ROD INFILL @ L4x4
ANGLE SUPPORT

SECTION