

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

**RECEIVED**  
CLERK'S OFFICE

NOV 09 2006

STATE OF ILLINOIS  
Pollution Control Board

Oink Inc.  
(Property Identification Number  
09-26-200-002)

)  
)  
)  
) PCB 07- 33  
) (Tax Certification)

NOTICE

Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board  
James R. Thompson Center  
100 West Randolph Street, Suite. 11-500  
Chicago, Illinois 60601

Phillip J. Vock  
Oink Inc.  
13893 Round Grove Rd.  
Morrison, Illinois 61270

Steve Santarelli  
Illinois Department of Revenue  
101 West Jefferson  
Post Office Box 19033  
Springfield, Illinois 62794

**PLEASE TAKE NOTICE** that I have today filed with the Office of the Clerk of the Pollution Control Board an **APPEARANCE AND THE RECOMMENDATION** of the Illinois Environmental Protection Agency, a copy of which is herewith served upon you.

ENVIRONMENTAL PROTECTION AGENCY  
OF THE STATE OF ILLINOIS

By: Vera Herst  
Vera Herst  
Assistant Counsel  
Division of Legal Counsel

DATED: November 6, 2006

Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
(217) 782-5544

**THIS FILING IS SUBMITTED ON RECYCLED PAPER**

STATE OF ILLINOIS  
COUNTY OF SANGAMON

)  
)  
)  
)  
)

**PROOF OF SERVICE**

I, the undersigned, on oath state that I have served the attached **APPEARANCE AND THE RECOMMENDATION**, upon the person to whom it is directed, by placing a copy in an envelope addressed to:

Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board  
James R. Thompson Center  
100 West Randolph Street, Suite. 11-500  
Chicago, Illinois 60601

Phillip J. Vock  
Oink Inc.  
13893 Round Grove Rd.  
Morrison, Illinois 61270

Steve Santarelli  
Illinois Department of Revenue  
101 West Jefferson  
Post Office Box 19033  
Springfield, Illinois 62794

and mailing it from Springfield, Illinois, on November 6, 2007, with sufficient postage affixed for first class mail.



SUBSCRIBED AND SWORN TO BEFORE ME

This 6<sup>th</sup> day of November, 2006

  
\_\_\_\_\_  
Notary Public



**THIS FILING IS SUBMITTED ON RECYCLED PAPER**

**RECEIVED**  
CLERK'S OFFICE

NOV 09 2006

STATE OF ILLINOIS  
Pollution Control Board

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

**Oink Inc.**  
(Property Identification Number  
09-26-200-002

)  
)  
)  
) PCB 07- **33**  
) (Tax Certification)  
)

**A P P E A R A N C E**

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent,  
Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: Vera Herst  
Vera Herst  
Assistant Counsel  
Division of Legal Counsel

DATED: February 8, 2005  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
(217)782-5544

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Oink Inc.-Morrison )  
(Property Identification Number ) PCB 07- 33  
09-26-200-002) (Tax Certification)  
)

**RECEIVED**  
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STATE OF ILLINOIS  
Pollution Control Board

**RECOMMENDATION**

The Illinois Environmental Protection Agency ("Illinois EPA") hereby files its Recommendation pursuant to Section 125.204 of the regulations of the Illinois Pollution Control Board, 35 Ill. Adm. Code 125.204.

1. On December 26, 2003, the Illinois EPA received a request from Oink Inc. (log number TC-27-04, Exhibit A) for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204.

2. The applicant's address is: Oink Inc.  
13893 Round Grove Rd  
Morrison, Illinois 61270

3. The proposed water pollution control facilities in this request are located at NE ¼ Section 26, T21N, R5E of the 4th P.M. in Whiteside County, at the above street address and consist of the following:

Livestock waste management facilities consisting of one concrete manure pit (304 ft. x 101.83 ft. x 8 ft. deep), with eight concrete pump out pits (each 6 ft. x 5 ft. by 8 ft. deep) with one 303 ft. x 8 ft. deep concrete wall inside the pit, and the slotted concrete portion of the floor over the manure pit located in one swine finishing building.

These livestock waste management facilities are used to collect, transport, and/or store livestock wastes prior to cropland application, and are further described in Exhibit A.

4. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2004), defines “pollution control facilities” as:

“any system, method, construction, device or appliance appurtenant thereto or any portion of any building or equipment, that is designed, constructed, installed or operated for the primary purpose of: (a) eliminating, preventing, or reducing air or water pollution ...or (b) treating, pretreating, modifying or disposing of any potential solid, liquid or gaseous pollutant which if released without treatment, pretreatment modification or disposal might be harmful, detrimental or offensive to human, plant or animal life, or to property.”
5. Pollution control facilities are entitled to preferential tax treatment, 35 ILCS 200/11-5.
6. Based on the information in the application and the purpose of the facilities, it is the Illinois EPA’s engineering judgment that the described facilities may be considered “pollution control facilities,” pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and are eligible for tax certification from the Board.

WHEREFORE, the Illinois EPA recommends that the Board issue the

requested tax certification.

ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY

By:   
Vera Herst  
Assistant Counsel  
Division of Legal Counsel

Dated: November 6, 2006

Illinois Environmental Protection Agency  
1021 North Grand Ave. E.  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
217/782-5544



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397  
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR    DOUGLAS P. SCOTT, DIRECTOR

## Memorandum

To: Connie Tonsor, Division of Legal Counsel  
From: Bruce J. Yurdin, Manager, Watershed Management Section  
Date: OCT - 4 2006  
Re: Oink Inc. - Morrison  
Recommendation of Tax Certification  
Log # TC-27-03  
Property Identification # 09-26-200-002

The Bureau of Water received a request on December 26, 2003 from Oink Inc. for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 IL Adm. Code 125.204. We offer the following recommendation.

The water pollution control facilities in this request include the following:

Oink Inc.  
13893 Round Grove Rd.  
Morrison, IL 61270

NE ¼ Section 26, T21N, R5E of the 4th P.M. in Whiteside County

Livestock waste management facilities consisting of one concrete manure pit (304 ft. x 101.83 ft. x 8 ft. deep) with eight concrete pump out pits (6 ft. x 5 ft. x 8.67 ft. deep) with one 303 ft. x 8 ft. deep concrete wall inside the pit, and the slotted concrete portion of the floor over the manure pit located in one swine finishing building.

These livestock waste management facilities are used to collect, transport and/or store livestock wastes prior to cropland application.

These facilities are further described in the enclosed applications and supporting documents.

Based on the information included in this submittal, it is our engineering judgment that the above proposed facilities may be considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. The Bureau of Water therefore recommends that the Board issue the requested tax certification for these facilities.

If you have any questions regarding the above, please contact Thaddeus Fought at 217/782-3362.

BJY:TJF:TC-27-03.doc

cc: Tax Cert File

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES - 9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000  
ELGIN - 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA - 5415 N. University St., Peoria, IL 61614 - (309) 693-5463  
BUREAU OF LAND - PEORIA - 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-5800  
SPRINGFIELD - 4500 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE - 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120  
MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200

**POLLUTION CONTROL FACILITY**  
 AIR  WATER

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**  
 P. O. Box 19276, Springfield, IL 62794-9276

This Agency is authorized to request this information under Illinois Revised Statutes, 1979, Chapter, 120, Section 502a-5. Disclosure of this information is voluntary. However, failure to comply could prevent your application from being processed or could result in denial of your application for certification.

FOR AGENCY USE

	File No.	Date Received	Certification No.		Date <i>12-12-03</i>
<b>APPLICANT</b>	Sec. A Company Name <i>Oiak Inc.</i>				
	Person Authorized to Receive Certification <i>Phillip J. Vock</i>		Person to Contact for Additional Details <i>Phillip J. Vock</i>		
	Street Address <i>13893</i>		Street Address <i>Round Grove Rd</i>		
	Municipality, State & Zip Code <i>Morrison</i>		Municipality, State & Zip Code <i>IL 61270</i>		
	Telephone Number <i>815-772-2897</i>		Telephone Number		
	Location of Facility Quarter Section Township Range <i>North East 1/4 Sec 26 MT Pleasant 5</i>		Municipality		Township <i>MT Pleasant</i>
	Street Address		County <i>Whiteside</i>	Book Number <i>T. 21N R5E</i>	
Property Identification Number <i>09-26-200-002</i>		Parcel Number			
<b>MANUFACTURING OPERATIONS</b>	Sec. B Nature of Operations Conducted at the Above Location				
	<i>Pork finishing facilities livestock production</i>				
	Water Pollution Control Construction Permit No.		Date Issued		
	NPDES PERMIT No.		Date Issued	Expiration Date	
	Air Pollution Control Construction Permit No.		Date Issued		
Air Pollution Control Operating Permit No.		Date Issued			
<b>MANUFACTURING PROCESS</b>	Sec. C Describe Unit Process				
	Materials Used in Process				
<b>POLLUTION CONTROL FACILITY DESCRIPTION</b>	Sec. D Describe Pollution Abatement Control Facility				
<i>See attachments</i>					

**RECEIVED**  
 DEC 25 2003  
 ILLINOIS ENVIRONMENTAL  
 PROTECTION AGENCY  
 BOW/WPC/PERMIT SECTION





# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397  
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

217/782-0610

September 13, 2004

Mr. Phillip Vock  
13893 Round Grove Rd.  
Morrison, IL 61270

Re: Illinois Property Tax: Oink Inc. -- Morrison  
Livestock Waste Pollution Control Facilities  
Log No. TC-27-03

Dear Mr. Vock:

The application for Illinois Property Tax Certification received December 26, 2003 for the above listed facilities has been reviewed and the following is offered for your consideration and appropriate action.

1. The application states that the facility installation was "not started". Tax certifications can only be granted for facilities in use. Please state when the facility was built or when it will be built.

Please review the subject applications accordingly for the items specified above and submit to the Illinois Environmental Protection Agency so that we may complete the review of the subject application. Please include the above log number on all correspondence.

If you have any questions or comments concerning the above items, please contact me at the above address and telephone number.

Very truly yours,

Thaddeus Faught  
Facility Evaluation Unit  
Watershed Management Section  
Bureau of Water

TJF:TC-27-03a.doc

cc: T.C. File

Project Name: Onk Inc.  
Reviewer: DF  
Log No.: TC-27-03

Location: Morrison  
Date: 8/9/04  
Type:  Agchem  
 Livestock

Applicant: Phillip J. Vock  
13893 Roundgrove Rd.  
Morrison, IL 61270

Contact: Phillip Vock  
Phone: 815-772-2897

Facility: Same as applicant (Onk Inc.)

Property ID: 09-26-200-002

Legal Description: NE 1/4 section 26, T21N, R3E 4th 1/2

County: White side

Date Control Devices Installed: not complete

Provided Fair Cash Value: 266,361

Signature: signed by phillip vock

Title: president

Wastes:  Livestock waste is applied to cropland.  
 Agrichemical rinsate and spillage is recycled through the facility and/or land applied.  
 Other: \_\_\_\_\_

Physical Description of Pollution Control Devices:

ONE 300 FT x 10 FT ion x 8 FT deep concrete manure pit w/ slatted floors  
8 6 FT x 5 FT x 8 FT deep particle separator pits

Other: see 9/7/04 notes in file.

December 15, 2003

Illinois Environmental Protection Agency  
1021 North Grand Avenue  
P.O. Box 19276  
Springfield, Illinois 62794 - 9276

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DEC 26 2003  
ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY  
BOW/WPC/PERMIT SECTION

Dear Thomas McSwiggin,

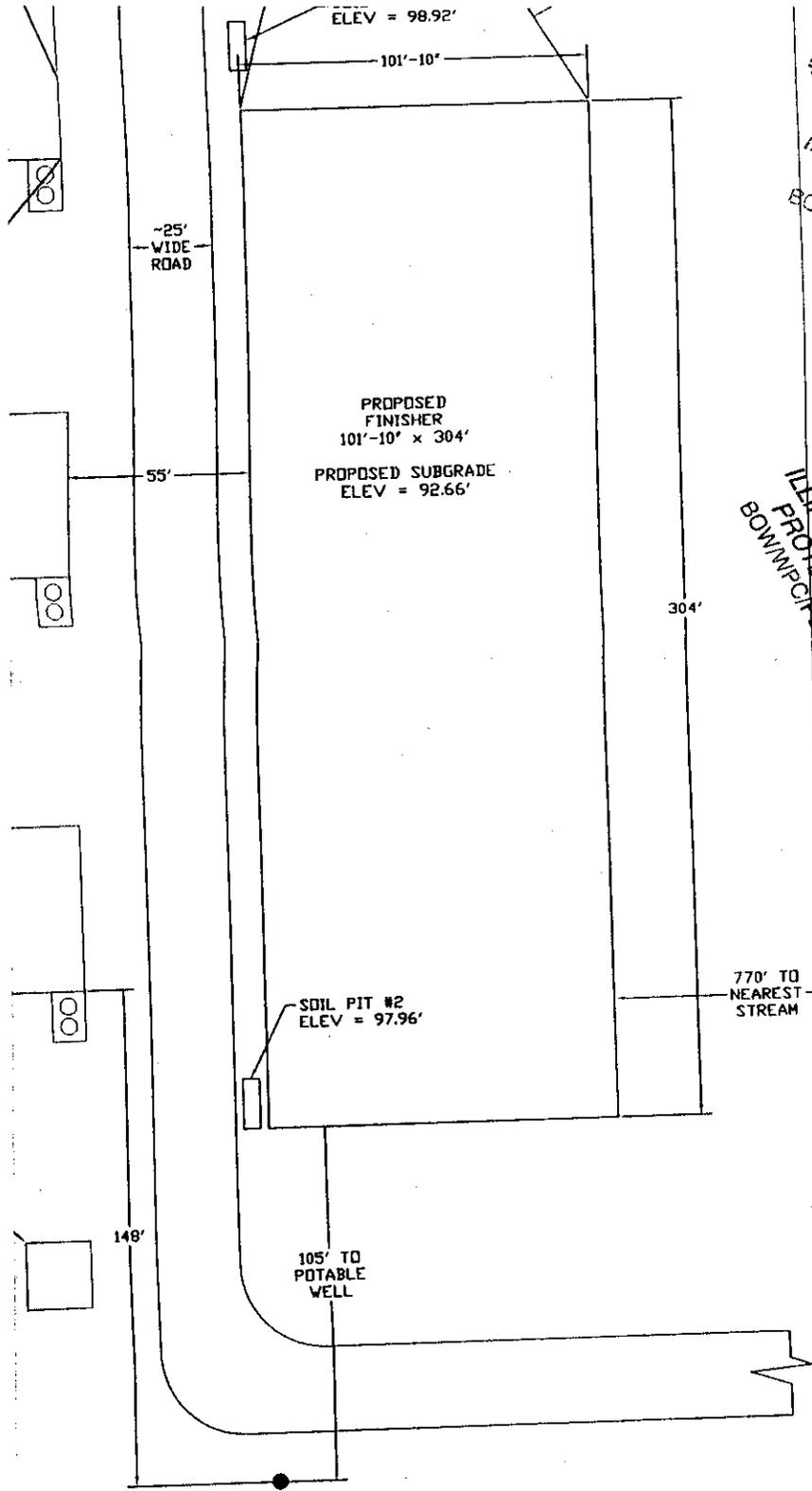
This is an application for Illinois Property Tax Certification Program for a pollution control facility.

The swine finishing building is 304 feet long by 101 feet 10 in. wide. Totally slatted floor with an 8-foot pit under slatted flooring designed to collect and hold 100% of animal waste including manure and urine. . Enclosed are nine drawings marked 1-15 through 13-15 showing details of pit design.

- 1) Pit Floor - 101 ft. 10 in. by 303 ft. by 5 in. thick consisting of 481 yds. of concrete and bar reinforcement
- 2) Pit Side Walls - 303 ft. by 8 in. by 8 ft. containing 202 yds. of concrete and bar reinforcement (sheet 6 of 15)
- 3) Pit End Walls - 101 ft. 10 in. by 8 in. by 8 ft. containing 70 yds. of concrete and bar reinforcement (sheet 5 of 15)
- 4) Stem Wall/ Pit Divider - 303 ft. by 10 in. by 8 ft. containing 101 yds. of concrete and bar reinforcement (sheet 3 of 15)
- 5) Columns (192) poured in place to support Gang Slats - 12 in. by 12 in. by 7 ft. 2 in. Containing 65 yds. Concrete and bar reinforcement (sheet 4 of 15)
- 6) Precast Beams (208) set on top of columns to support Gang Slats - 12 ft. by 8 in. by 10 in. (sheet 13 of 15)
- 7) Precast Gang Slats( 760) set on top of columns and beams - 10 ft. by 4ft. by 4 in. (sheet 12 of 15)
- 8) Manure Pump Outs (8) for manure removal as part of storage pit - 6 ft. by 5 ft. by 8 ft by 8 in. containing 30 yds of concrete and bar reinforcement (sheet 8 of 15)
- 9) Top View of Building - (sheet 1 Of 15)

This farm has a Nutrient Management Plan designed and reviewed each year with Mower Soil Testing Services in Toulon, Illinois. The nutrient is to be applied at an agronomic rate, based on crop uptake, availability of nutrients and proven yield goals. All land applications are soil tested every 3 years to monitor for fertility levels. The nutrients are applied each fall and injected into the soil using appropriate tillage practices set by NRCS.

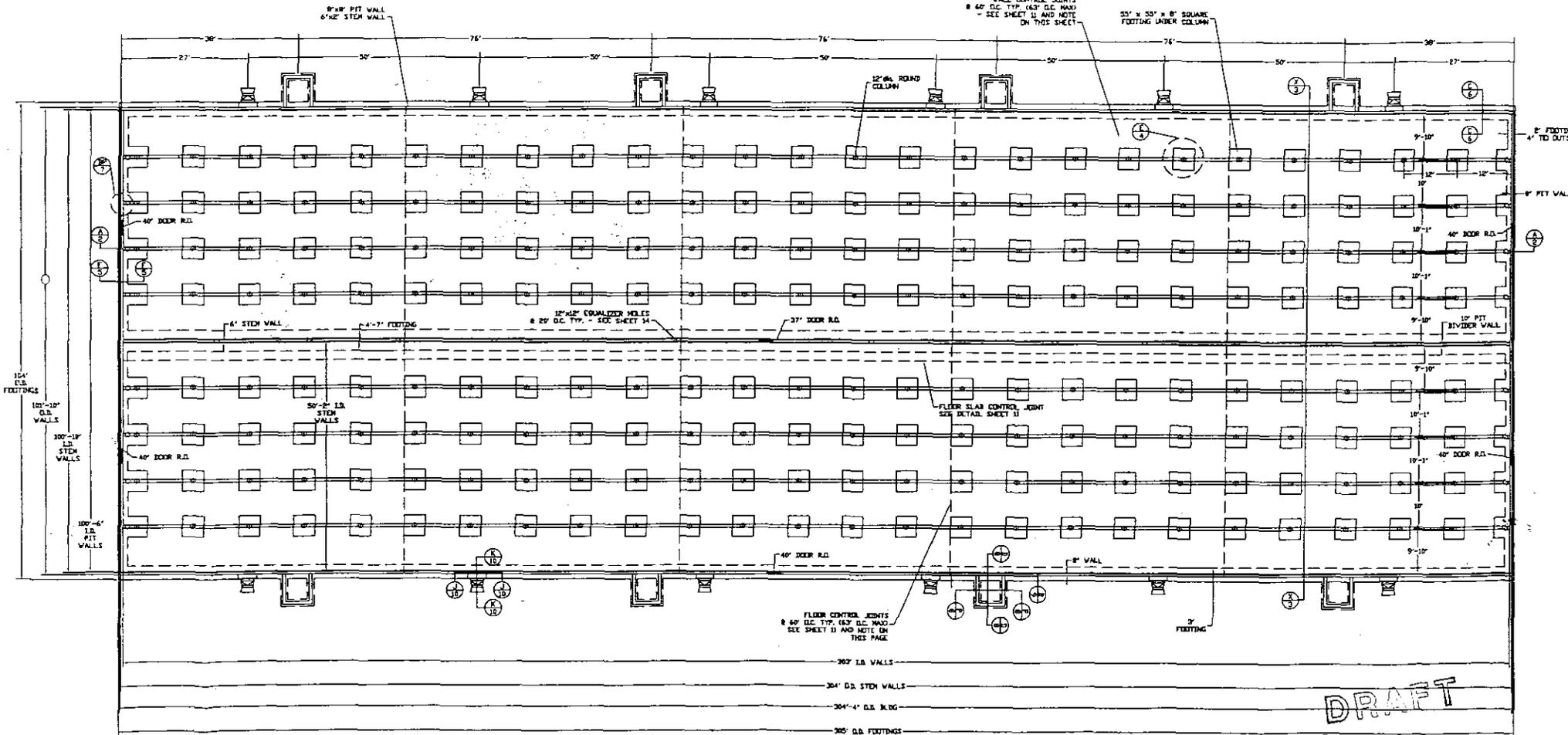
Phil Vock  
Oink Inc.  
13893 Round Grove Road  
Morrison, Illinois 61270



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**DESIGN CRITERIA**  
 1) ALLOWABLE SOIL BEARING = 1400 psf (FROM TESTS)  
 2) LOADS:  
 - LIVE  
 - PIGS = 57.5 psf  
 - SNOW = 25 psf  
 - DEAD  
 - FLOORING = 36.5 psf  
 3) Fy STEEL = 60,000 psi  
 4) F'c = 4000 psi # 28 BAYS FOR WALLS  
 F'c = 3000 psi # 28 BAYS FOR FLOOR SLABS AND FOOTINGS  
 5) FLOOR LOAD = 60 psf  
 6) SOIL = 107 pcf (CONSISTENT)  
 7) EXP SOIL = 75 psf/ft  
 8) S = 145 kips/in FOR FLEXURE STRESS

CONCRETE PLAN

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 BOW/WPC/PERMIT SECTION

**CONTROL JOINT NOTE:**  
 ALL WALL CONTROL JOINTS AND FLOOR CONTROL JOINTS SHALL BE ALIGNED.  
 THERE ARE TO BE NO JOINTS WITHIN 2' OF THE PIT FAN OPENINGS.

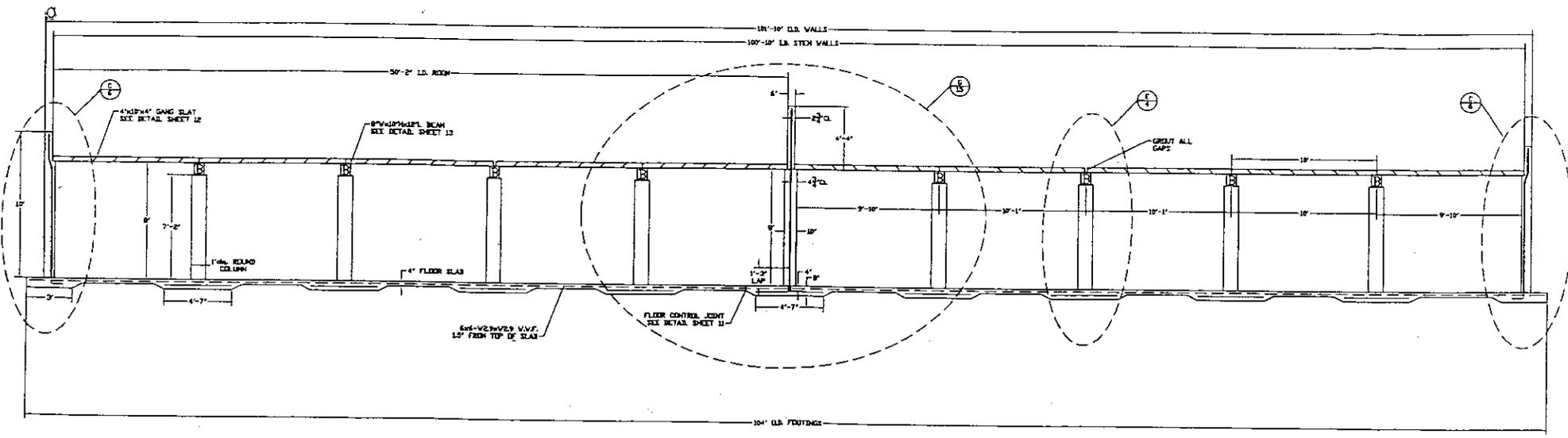
**DRAFT**

**FELDMANN & ASSOCIATES**  
 Professional Engineering and Architectural Firm  
 1710 ILLINOIS, STE. C, SPRING BAY, IL 61  
 PHONE: 309-832-1825 FAX: 309-832-1808

CONCRETE PLAN		FINISHER	
CLIENT	OINK, INC.	DESIGNER	TERRY
DRAWN BY	CONCPLN	PROJECT MANAGER	TERRY
SCALE	AS SHOWN	DATE	0/0
DATE	NOV 10/03	BY	16

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. Design Limitations: The drawings presented are for general information and shall not be used for construction without the approval of the designer. The drawings are not to be used for any other purpose without the written permission of the designer. Do not scale drawings.

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CROSS-SECTION X-X  
WIDTH OF FINISHER

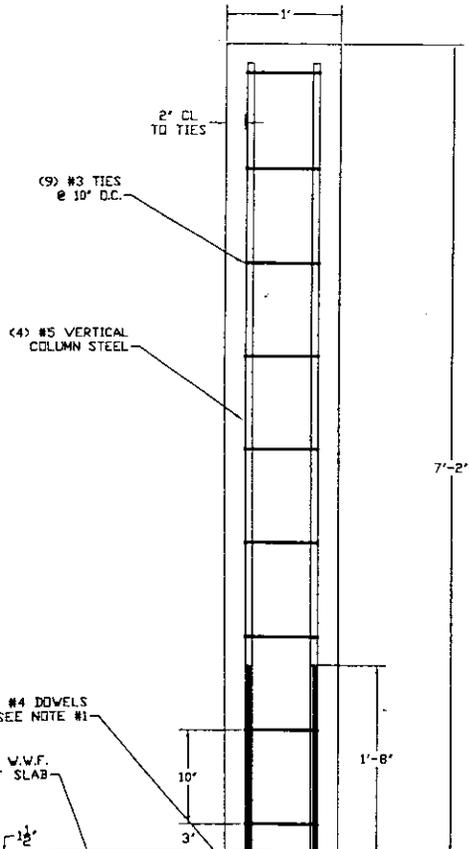
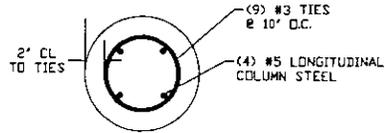
DRAFT

**FELDMANN & ASSOCIATE**  
110 ILLINOIS, STE. C SPRING BAY, L.I. 11971  
PHONE: 309-822-0828 FAX: 309-822-8822

SECTION X-X			
CLIENT	OINK, INC.	BUILDING	FINISHER
DRAWN BY	TS	PROJECT MANAGER	CHECKED BY
	SECT X-X	TERRY	TERRY
SCALE	DATE	UNITS	BY
NTS	NOV 10/03	SHOWN	D/O
			30x18

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.  
Design Limitations: The systems represented are for specific management and site conditions. All deviations from these plans shall result in additional liability, property damage, and personal injury including loss of life when Feldmann & Associates and its designers are not held liable.  
== DO NOT SCALE DRAWING ==

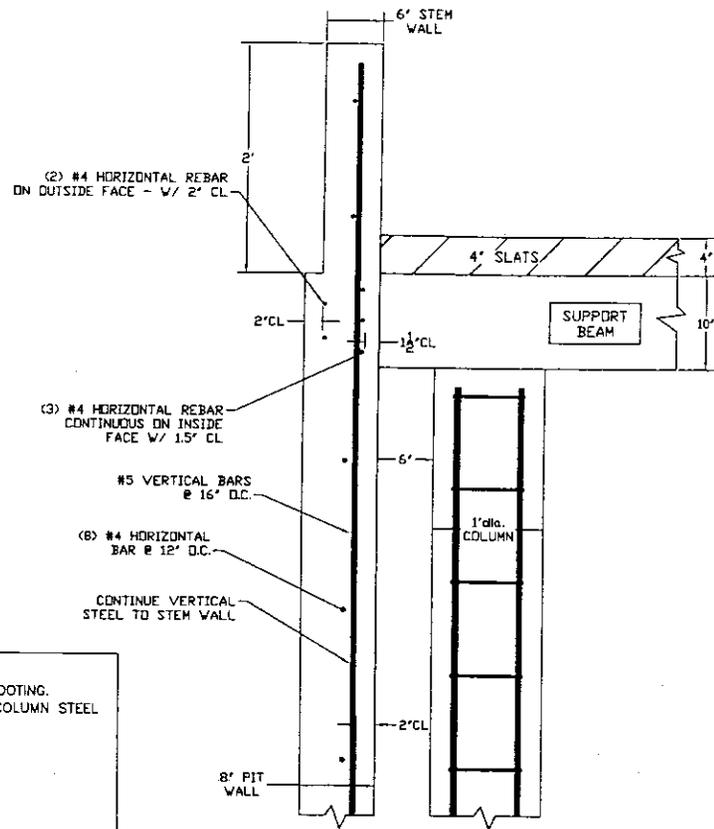
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- NOTES:
- 1) EPOXY GROUT 4" OF DOWEL STEEL INTO FOOTING. - EXTEND 20" INTO COLUMN AND TIE TO COLUMN STEEL
  - 2) ALL STEEL IS GRADE 60 REINFORCING BAR.
  - 3) BAR COVER IS MIN.:  
 2" FOR COLUMNS  
 3" FOR FOOTINGS
  - 4) CONCRETE IS MIN.:  
 4000 PSI FOR WALLS AND COLUMNS  
 3500 PSI FOR FOOTINGS AND SLABS
  - 5) COLUMN HEIGHT IS 7'-2".

DETAIL E - CONCRETE COLUMN SIDE & END VIEWS

FOOTING REBAR (4) #4 BARS @ 13.75' O.C. - BOTH WAYS

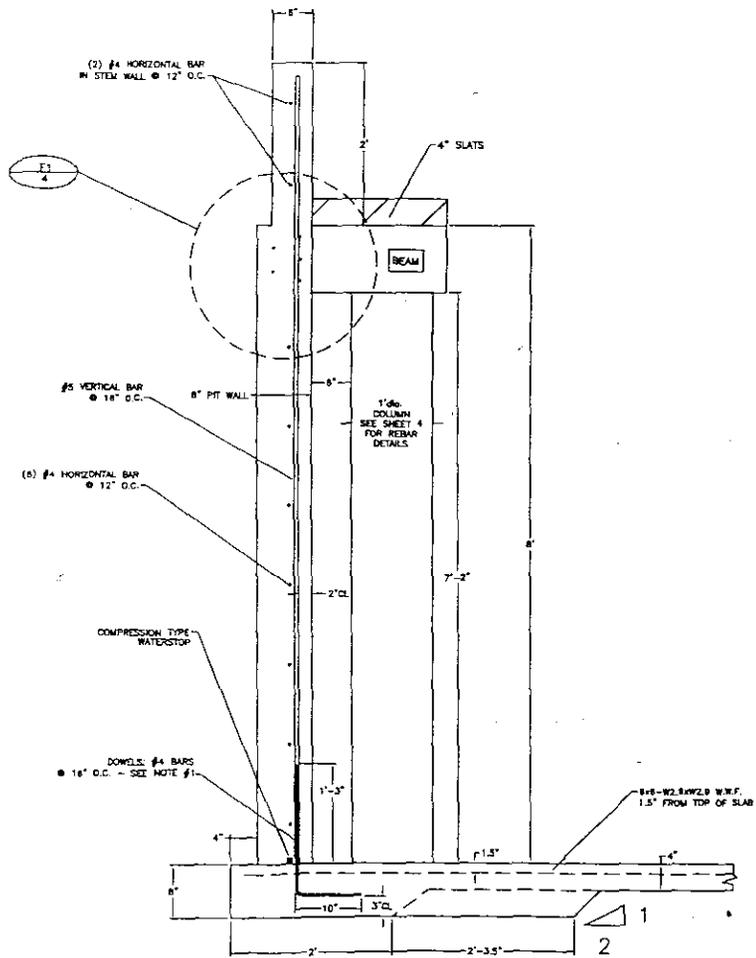


DETAIL F1 - CONCRETE ENDWALL BEAM SIDE VIEW

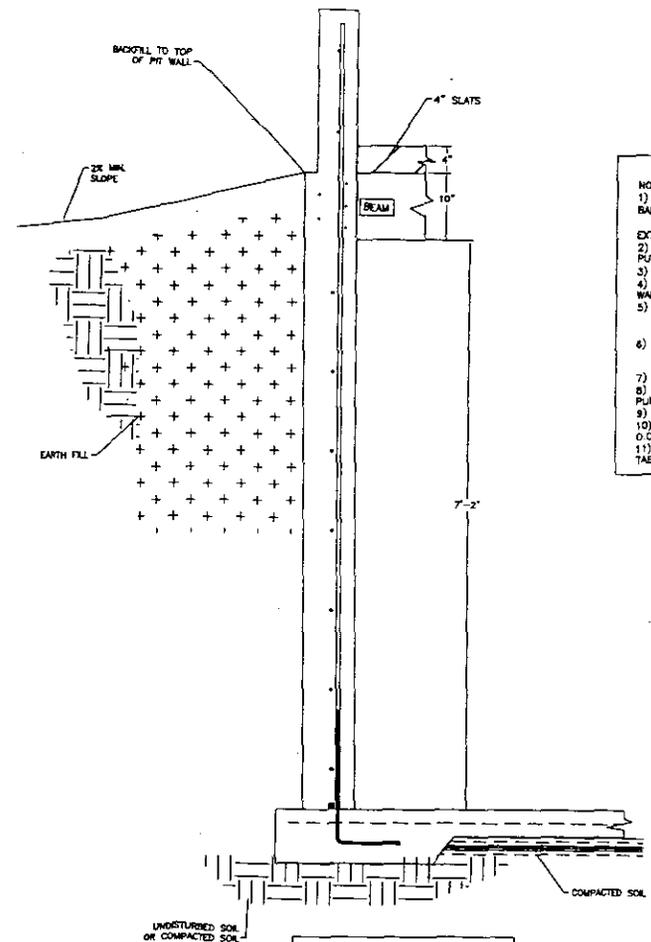
DRAFT

<b>FELDMANN &amp; ASSOCIATES</b> Professional Engineering and Architectural Services 110 BLUNDIS ST. E. SPRING BAY, N. 81111 PHONE: 302-822-0678 FAX: 302-822-8829			
WCB COLUMN DTL E & ENDWALL DTL F1			
CLIENT	DINK, INC.	BUILDING	FINISHER
DESIGN BY	PHO COLUMB	PROJECT MANAGER	OWNER BY
DATE	NOV 10/03	SHOWN	9/0 1 8/015
SCALE	NTS	DATE	BY
THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. - DO NOT SCALE DRAWING - Design Limitations: The systems presented are for general information and are not intended to be used for any specific project. The contractor shall verify all dimensions and report any discrepancies to the designer immediately.			

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DETAIL F-F - CONCRETE ENDWALL REINFORCING DETAIL



DETAIL F-F - CONCRETE ENDWALL BACKFILL DETAIL

- NOTES:
- 1) DOWELS: LAP AND THE 15" OF DOWEL TO VERTICAL WALL STEEL AND USE #4 BARS AT 16" O.C.  
- EXTEND DOWEL STEEL 5" VERTICALLY INTO FOOTING, THEN BEND 90° AND EXTEND 10" (6.5" PAST THE RADIUS OF THE BOND).
  - 2) TANK MUST BE BACKFILLED TO WITHIN 2" OF TOP OF PIT WALLS PRIOR TO PUTTING LIQUID IN TANK. SET BEAMS AND SLATS BEFORE BACKFILLING.
  - 3) ALL STEEL IS GRADE 60 REINFORCING BAR.
  - 4) BEND HORIZONTAL REBAR A MIN. OF 20" EACH DIRECTION AROUND CORNERS OF WALLS - SEE SHEET 11.
  - 5) MIN. BAR COVER IS :  
1.5" FOR WALLS  
3.0" FOR FOOTINGS
  - 6) CONCRETE IS MIN. :  
4000 PSI FOR WALLS, COLUMNS  
3500 PSI FOR FOOTINGS AND SLABS
  - 7) REFER TO WRITTEN SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
  - 8) DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS, EXCEPT AT PUMPPOLES.
  - 9) SPLICE ALL BARS PER SHEET 11.
  - 10) AT PUMPPOINT AREA (VEHICLE TRAFFIC) - USE #5 HORIZONTAL BARS AT 10.66" O.C.
  - 11) TANK AND BASE SLAB ARE NOT DESIGNED TO RESIST UPLIFT FORCES. WATER TABLE MUST REMAIN BELOW THE BOTTOM OF BASE SLAB.

DRAFT

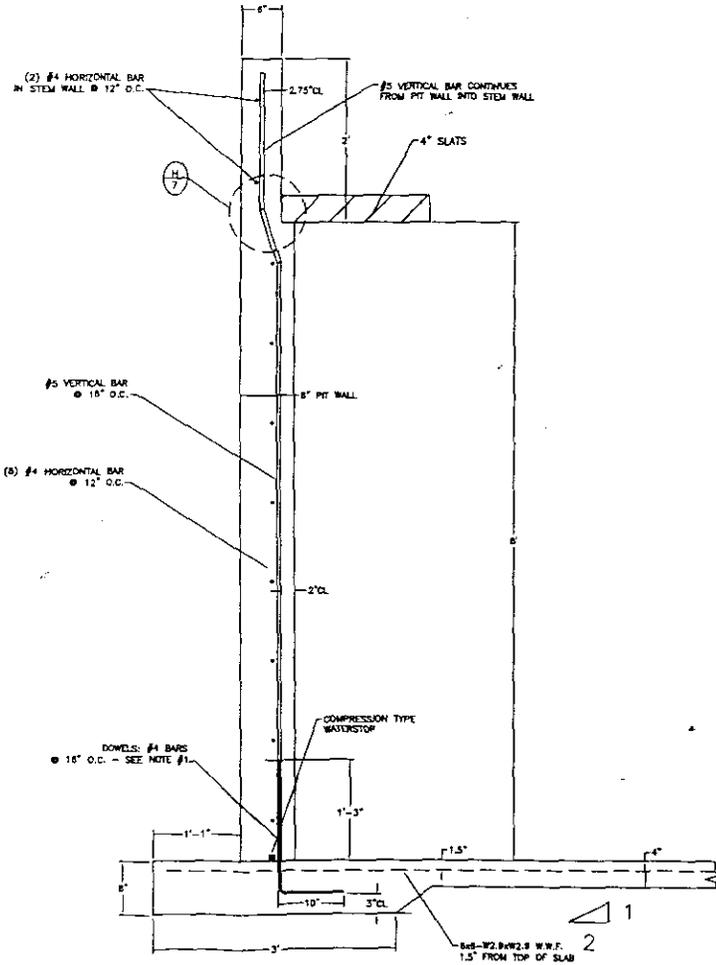
**FELDMANN & ASSOCIATES**  
 Mechanical, Plumbing and Environmental Consulting  
 110 BLANCKS, STE. C SPRING BAY, L. 11811  
 PHONE: 309-822-8828 FAX: 309-822-0829

ENDWALL DETAIL F-F

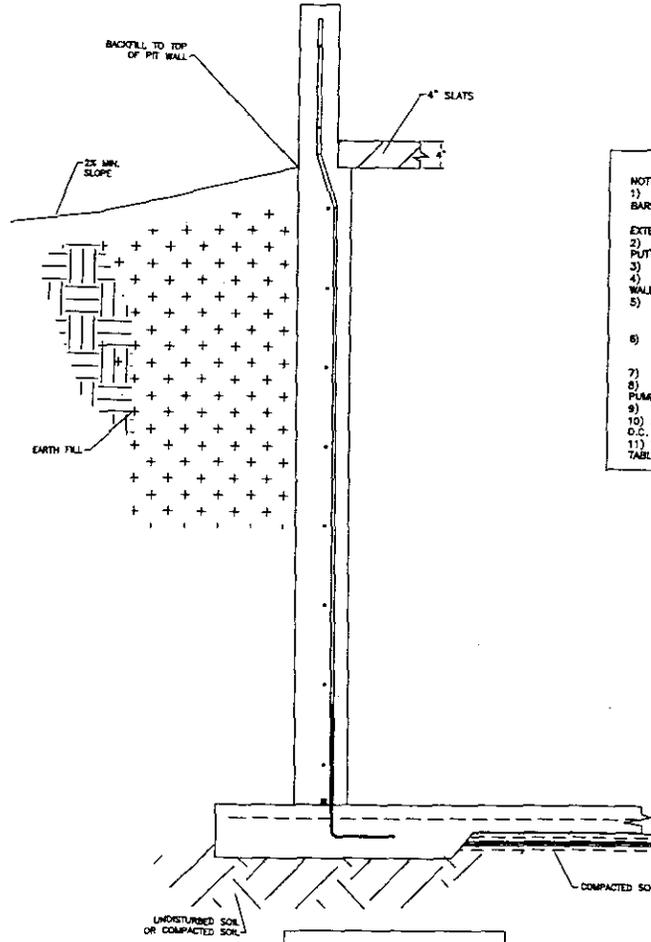
CLIENT	QINK, INC.	BUILDING	FINISHER
DESIGN BY	DM	PROJECT MANAGER	CHECKED BY
SCALE	DTL F	TEAM	TERRY I
DATE	NOV 05/03	SHOWN	D/O
NO. OF SHEETS	1/1	SHEET	1/1

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.

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DETAIL C-C - CONCRETE SIDEWALL REINFORCING DETAIL



DETAIL C-C - CONCRETE SIDEWALL BACKFILL DETAIL

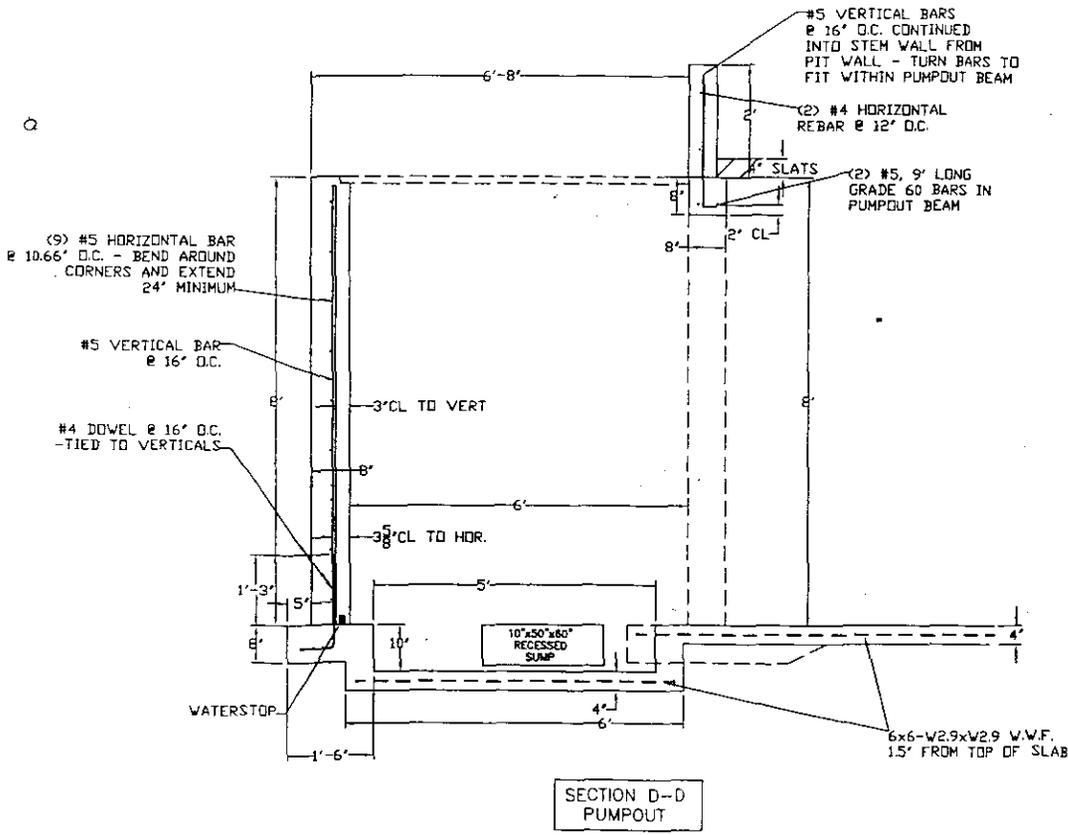
- NOTES:
- 1) DOWELS: LAP AND TIE 15" OF DOWEL TO VERTICAL WALL STEEL AND USE #4 BARS AT 16" O.C.  
- EXTEND DOWEL STEEL 5" VERTICALLY INTO FOOTING, THEN BEND 90° AND EXTEND 10" (8.5" PAST THE RADIUS OF THE BEND).
  - 2) TANK MUST BE BACKFILLED TO WITHIN 2" OF TOP OF PIT WALLS PRIOR TO POURING CONCRETE IN TANK. SET BEAMS AND SLATS BEFORE BACKFILLING.
  - 3) ALL STEEL IS GRADE 60 REINFORCING BAR.
  - 4) BEND HORIZONTAL REBAR A MIN. OF 20° EACH DIRECTION AROUND CORNERS OF WALLS - SEE SHEET 11.
  - 5) MIN. BAR COVER IS:  
1.5" FOR WALLS  
3.0" FOR FOOTINGS
  - 6) CONCRETE IS MIN.:  
4000 PSI FOR WALLS, COLUMNS  
3500 PSI FOR FOOTINGS AND SLABS
  - 7) REFER TO WRITTEN SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
  - 8) DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS, EXCEPT AT PUMPPOINTS.
  - 9) SPLICE ALL BARS PER SHEET 11.
  - 10) AT PUMP-OUT AREA (VEHICLE TRAFFIC) - USE #5 HORIZONTAL BARS AT 10.86" O.C.
  - 11) TANK AND BASE SLAB ARE NOT DESIGNED TO RESIST UPLIFT FORCES. WATER TABLE MUST REMAIN BELOW THE BOTTOM OF BASE SLAB.

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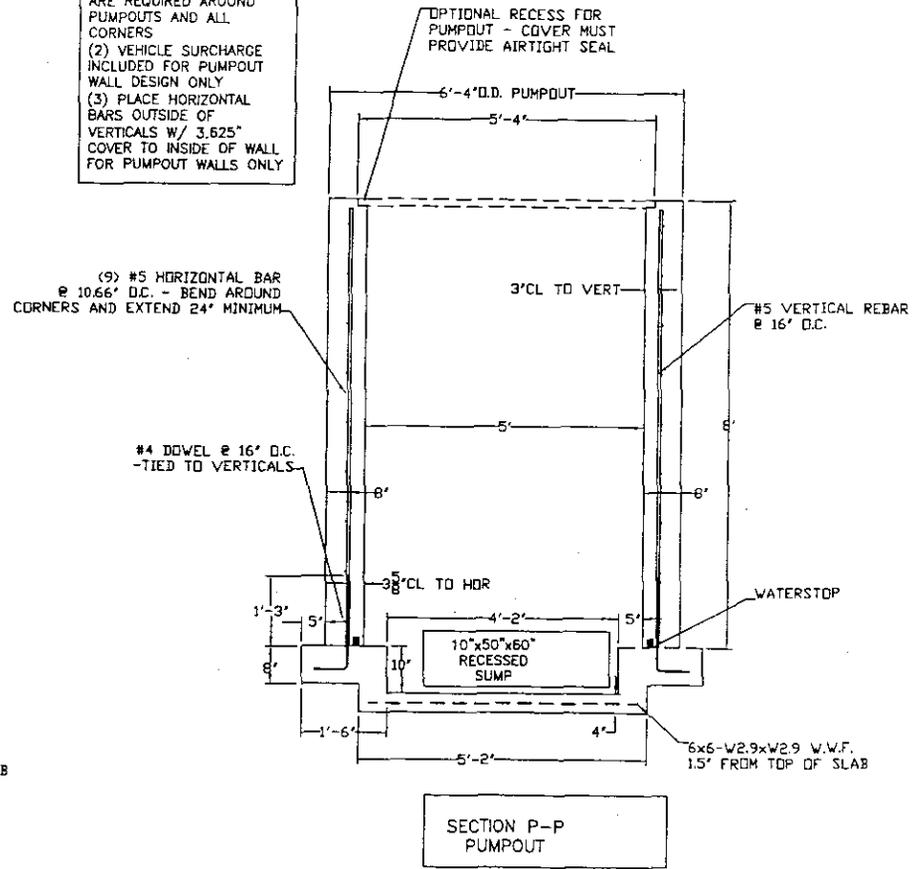
THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. DO NOT SCALE DRAWING.

		PROJECT MANAGER CHECKED BY TERRY TERRY	
		FINISHER TERRY TERRY	
DATE	NOV 10/03	SCALE	AS SHOWN
NO.	0/0	SHEET	06/15

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NOTE:  
 (1) CONTINUOUS POURS ARE REQUIRED AROUND PUMPOUTS AND ALL CORNERS  
 (2) VEHICLE SURCHARGE INCLUDED FOR PUMPOUT WALL DESIGN ONLY  
 (3) PLACE HORIZONTAL BARS OUTSIDE OF VERTICALS W/ 3.625" COVER TO INSIDE OF WALL FOR PUMPOUT WALLS ONLY

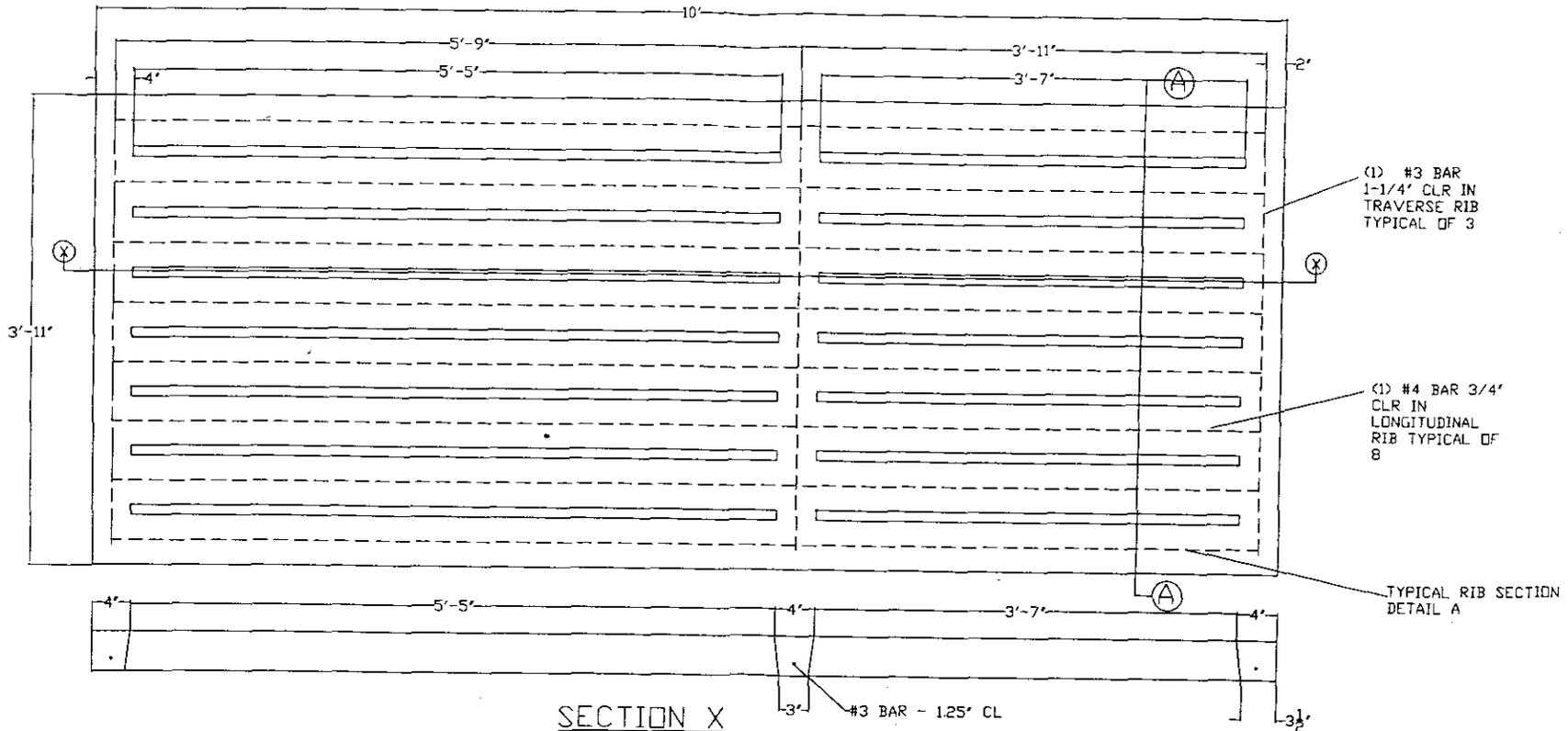


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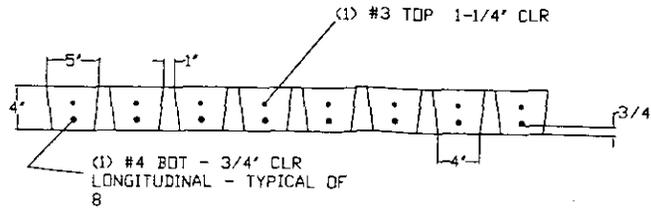
<b>FELDMANN &amp; ASSOCIATES</b> Professional Engineering and Architectural Services 110 BLUNDS, STE. C SPRING BAY, L 01611 PHONE: 508-827-8828 FAX: 508-827-8829			
VP PIT PUMPOUT - DTLS D-D & P-P			
CLIENT	CONK, INC.	BUILDING	FINISHER
DRAWN BY	DTL D&P	PROJECT MANAGER	CHECKED BY
SCALE	NTS	DATE	REV
	NOV 10/03	SHOWN	0/0
		DATE	8/15

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES

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$F_c = 7000 \text{ PSI (28 DAYS)}$   
 $F_y = 60,000 \text{ PSI}$   
 LOADS:  
 DEAD = 36.5 psf OR 18.5 plf  
 LIVE = 125 plf (FINISHER)  
 $W = W/2 = \frac{125}{2} = 62.5 \text{ plf CONTROLS}$   
 (SEE ASAE EP.37B.3)  
 MFG: CUSTOM PRECAST



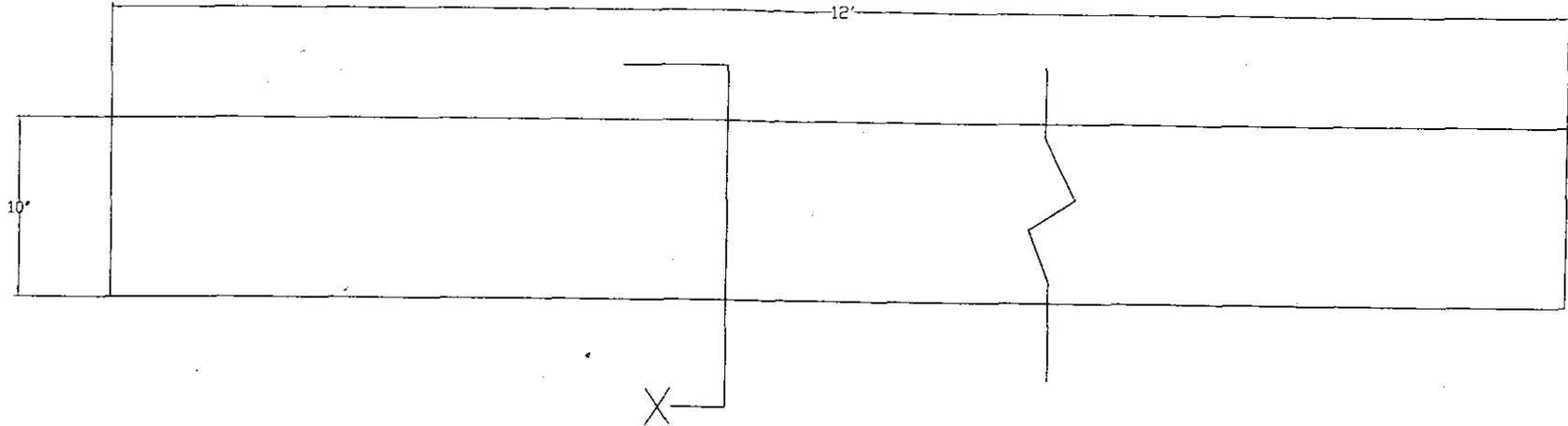
SECTION A

DRAFT

<b>FELDMANN &amp; ASSOCIATES</b> <small>Structural Engineering and Professional Drafting</small>			
<small>1410 ILLINOIS, STE. C SPRING HAVEN, IL 61811 PHONE: 308-821-8828 FAX: 308-821-8828</small>			
PROJECT: CUSTOM PRECAST SLAT			
CLIENT:	ONK, INC.	DESIGNED BY:	FINISHER
DRAWN BY:	OPC	PROJECT MANAGER/OWNER BY:	REV
DATE:	NOV 10/03	UNITS:	1/8"
SCALE:	AS SHOWN	SHEET:	12 OF 15

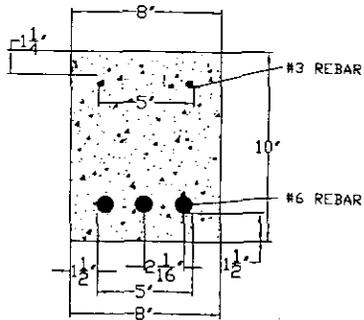
THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.  
 Design Limitations: The systems presented are for specific manufacturing and site conditions. Any deviation from these shall result in structural failure, property damage, and personal injury including loss of life.

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**NOTES:**

1. BOTTOM LAYER = 3-#6 BARS
2. TOP LAYER = 2-#3 BARS
3. STIRRUPS = NONE REQUIRED  $\phi V_c > V_u$  FOR FINISHER PIGS AND BEAM  $\leq 10'$  DEEP.
4. ALL GRADE 60;  $F_y = 60,000$  PSI
5. CONCRETE IS  $f'_c = 7000$  PSI @ 28 DAYS
6. MFG. = CUSTOM PRECAST



SECTION X

DRAFT

**FELDMANN & ASSOCIATES**  
 Structural Engineering and Architectural Consulting  
 410 KILBOUR, STE. C SPRING BAY, IL 61811  
 PHONE 309-822-8526 FAX 309-822-0820

CUSTOM PRECAST 12' FINISHER BEAM

CLIENT	OINK, INC.	DESIGNER	FINISHER
Drawn by	DEC FNSHR BM	PROJECT MANAGER	CHECKED BY
SCALE	DATE	DATE	DATE
NTS	NOV 10/03	SHOWN	0/0
			13 of 15

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.

Design Limitations: The features presented are for specific requirements and site conditions. Any deviation from these plans could result in structural failure, injury, damage, and loss. Plans are prepared in accordance with the applicable building codes and standards.