

CITY OF NAPOLEON GENERAL PERMIT APPLICATION

THIS APPLICATION IS FOR RESIDENTIAL CONSTRUCTION INCLUDING BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, DEMILITIONS, REMODELING.

DATE: 1-4-05 JOB LOCATION: 1253 INDEPENDENCE Dr.

OWNER: UNIVERSAL COOPERATIVES PHONE: 419.599.0010 651.239.1006

OWNER ADDRESS: 1300 CORPORATE CENTER CURVE CITY: EGGEN ZIP: 55121

CONTRACTOR: WORTMAN BROS. INC PHONE: _____

CONTRACTOR LICENSED WITH THE CITY OF NAPOLEON?: YES: _____ NO: _____

DESCRIPTION OF WORK TO BE PERFORMED: TANK FARM BUILDING

ESTIMATED COST OF WORK TO BE PERFORMED: \$50,000

PLEASE MARK THE TYPE OF WORK YOU WILL BE PERFORMING

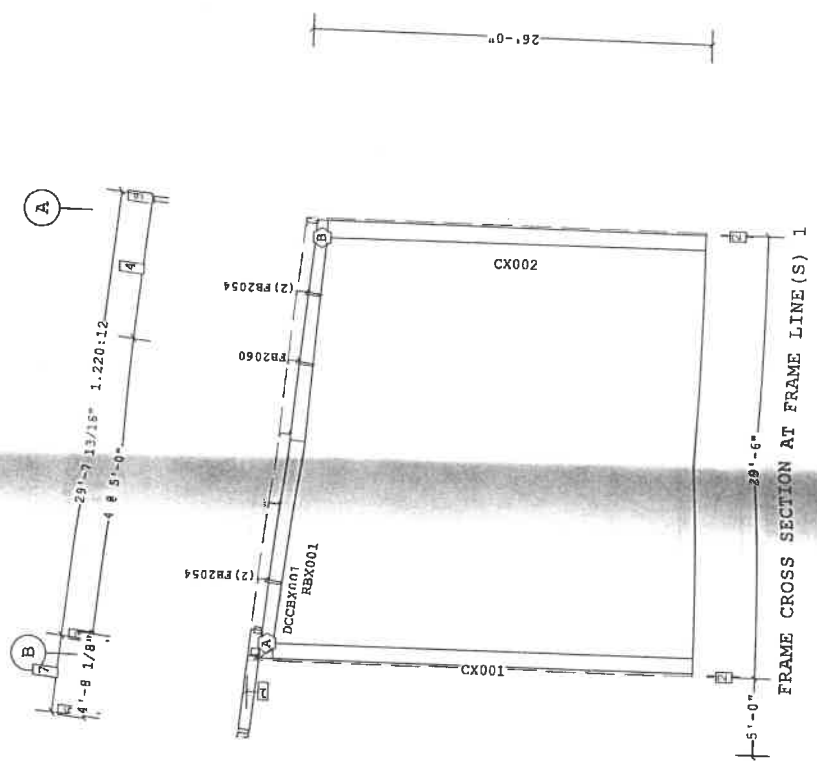
- | | |
|---|--|
| <input type="checkbox"/> A/C ADD ON | <input type="checkbox"/> REMODELING |
| <input type="checkbox"/> BOILER REPLACEMENT | <input type="checkbox"/> ROOFING |
| <input type="checkbox"/> CURBING | <input type="checkbox"/> SEWER REPAIRS |
| <input type="checkbox"/> DECKS * | <input type="checkbox"/> SIDEWALK* |
| <input type="checkbox"/> DRIVEWAY* | <input type="checkbox"/> SIDING |
| <input type="checkbox"/> ELECTRICAL SERVICE UPGRADE | <input type="checkbox"/> SIGN |
| _____ # of new circuits | <input type="checkbox"/> STORAGE SHED* |
| <input type="checkbox"/> ELECTRICAL SERVICE NEW | <input type="checkbox"/> STREET BOND |
| _____ # of circuits | <input type="checkbox"/> SWIMMING POOL* |
| <input type="checkbox"/> FENCE* | <input type="checkbox"/> TEMP ELECTRIC |
| <input type="checkbox"/> ADDITIONS* | <input type="checkbox"/> WATER TAP |
| <input type="checkbox"/> FURNACE REPLACEMENT | <input type="checkbox"/> WINDOWS |
| <input type="checkbox"/> FURNACE NEW | _____ # of windows |
| <input type="checkbox"/> LAWN METER | <input checked="" type="checkbox"/> ZONING |
| <input type="checkbox"/> PLUMBING | <u>\$ 25⁰⁰ Fee</u> |
| <input type="checkbox"/> OTHERS: _____ | |

*PLEASE MAKE A PICTURE ON REVERSE SIDE SHOWING MEASUREMENTS FROM EXISTING STRUCTURES AND PROPERTY LINES. INDICATING THE TYPE OF WORK YOU WISH TO PERFORM.

Frame Clearances
 Horiz. Clearance between members 1 (CX001) and 4 (CX002): 27'-0 3/4"
 Vert. Clearance at member 1 (CX001): 27'-4"
 Vert. Clearance at member 4 (CX002): 24'-8"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

○ A325 Bolt Connection & Plate Schedule
 Id Qty Bolt Dia. Length Thick. Rows Out In
 A 6 3/4" 2 1/4" 5/8" 1 2
 B 4 3/4" 2" 1/2" 1 1

Part	Mem. Width	Thick.	Webthk.	Depth1	Depth2	Approx. Lgth
DCCX001	1001 3"	.0590	28.0590	8 1/2"	8 1/2"	6'-4 5/8"
CX001	1 8"	.2500	.1345	1'-0"	1'-0"	28'-3 1/4"
RBX001	2 5"	.1875	.1345	10"	1'-0"	27'-3 5/16"
CX002	3 5"	.1345	.1644	1'-0"	9"	25'-4 7/8"
	4 7"	.1875	.1345	1'-0"	1'-2"	



FRAME CROSS SECTION AT FRAME LINE(S) 1

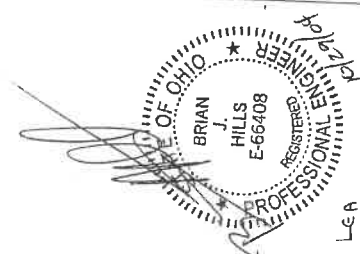
- 5'-0 5/16" 1.220:12
- 4 3/16"
- 3 5/16"
- 2 8 4'-6 1/4"
- 1 5/8"
- 23'-0"

Dimension Key
 1/2" X 1 1/2" A325 SNUG TIGHTENED BOLTS FOR PURLIN TO GIRT TO FRAME AND GIRT TO CLIP CONNECTIONS
 UNLESS NOTED OTHERWISE
 ALL ENFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

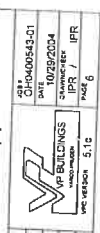
THE VP ENGINEER'S SEAL APPLIED TO THIS DRAWING IS VALID FOR THE PROJECT AND THE DATE SPECIFIED BY THE SEAL. IT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION OR THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL IS NOT TO BE USED FOR ANY OTHER PROJECT OR FOR ANY OTHER PURPOSE.

VP Ref. Design
 3000 Parkway Club Circle Memphis TN 38125
 REV DATE BY DESCRIPTION

NOT FOR CONSTRUCTION
 FRAME CROSS SECTION AT FRAME LINE(S) 1
 10/26/2004 NTS 6:50:44
 10/26/2004 NTS 6:50:44

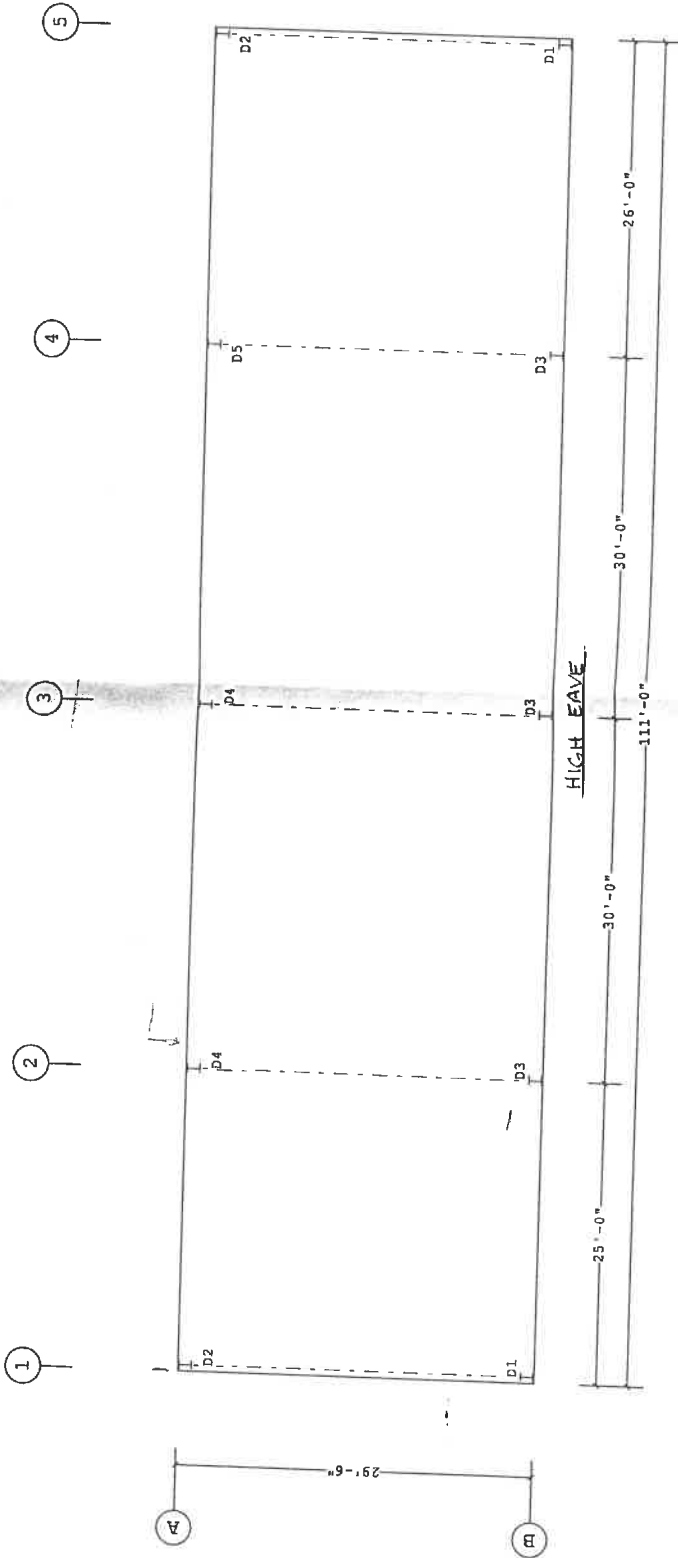


LEA 10/26/04

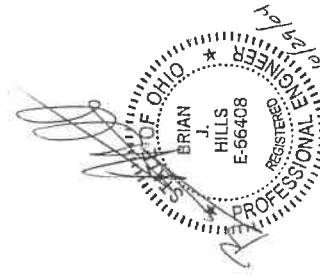


VP BUILDINGS
 Universal Co-op
 10/26/2004
 10/26/2004
 10/26/2004

FILENAME: OH04000543-010E1.VPG



ANCHOR BOLT PLAN



<p>CONCRETE, GROUT, ANCHOR BOLTS, AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY OTHERS.</p> <p>ANCHOR BOLT DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (F_y = 36 KSI). ANCHOR BOLT SIZES AND TENSILE STRENGTHS WERE DETERMINED BY AISC SPECIFICATIONS AND METHODS OF TENSILE TESTING. LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT. FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR BOLTS MUST BE LOCATED IN PLACE AND BE DOWN ON THE RAILING OR STEEL WILL NOT BE.</p>		<p>THIS VP ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF THIS ENGINEER. IT DOES NOT APPLY TO THE PERFORMANCE OR COMPLIANCE OF ANY OTHER WORK OR COMPONENT FURNISHED BY OTHERS. PERFORMANCE OF THIS WORK IS SPECIFIED BY VP.</p>		<p>FINISHED FLOOR ELEVATION = 100'-0" UNLESS NOTED OTHERWISE.</p> <p>THESE DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.</p>	
<p>FOR CONSTRUCTION</p>		<p>VP BUILDINGS, INC. 3200 Players Club Circle Memphis TN 38125</p>		<p>ANCHOR BOLT PLAN</p>	
<p>DATE: 10/29/04</p>		<p>BY: [Signature]</p>		<p>OWNER: Worthington Bros. Inc.</p>	
<p>PROJECT: Universal Co-op</p>		<p>LOCATION: Napoleon, Ohio</p>		<p>DATE: 10/29/2004</p>	
<p>10/29/2004</p>		<p>NTS</p>		<p>8:46:50</p>	
<p>FILENAME: OH0400543-010E1.vpd</p>		<p>VP BUILDINGS</p>		<p>VP BUILDINGS</p>	



DRAWING INDEX	
DRAWING TITLE	PAGES
Cover Sheet	1
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Secondary Structural	11-15
Covering	16-20
Special Drawings	
Standard Erection Details	

DRAWING RELEASE HISTORY

TYPE	DATE	DESCRIPTION
ANCHOR BOLT PERMITS	10/29/04	FOR CONSTRUCTION
	10/29/04	NOT FOR CONSULTATION

GENERAL NOTES

ASTM DESIGNATION
 A329, A572, A1011 SS
 A572
 A36, A572, A529, A992
 A563, A192

MATERIALS
 3 PLATE WELDED SECTIONS
 BOLT FORMED LIGHT GAGE SHAPES
 A1011 SS
 HOT ROLLED MILL SHAPES
 HOLLOW STRUCTURAL SECTION (HSS)
 CLADDING

A325 BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPROPRIATE REGULATIONS. THE FOLLOWING INFORMATION IS IN COMPLIANCE WITH THE LATEST SPECIFICATIONS, HOWEVER THE ERECTOR IS RESPONSIBLE TO VERIFY LOCAL AUTHORITY REQUIREMENTS. ALL CONNECTIONS MADE WITH A325 BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION AS PERMITTED BY THE SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS (AS APPLICABLE), UNLESS INDICATED AS "PRE-TENSIONED" ELSEWHERE IN THESE DRAWINGS, OR AS INDICATED BELOW.

PRE-TENSION BOLTS ON PRIMARY FRAMING, BOLTED BRACING, AND STRUT CONNECTIONS IF LOCATED IN SEISMIC PERFORMANCE / DESIGN CATEGORY D, E OR F (ZONE 3 OR 4). SEE CODES AND LOADS NOTES BELOW FOR SEISMIC DESIGN CATEGORY.

PRE-TENSION BOLTS ON PRIMARY FRAMING, BOLTED BRACING, STRUTS AND CRANE RUNWAY CONNECTIONS IF BUILDING SUPPORTS A CRANE WITH A CAPACITY GREATER THAN 5 TONS.

CONNECTIONS THAT SUPPORT RUNNING MACHINERY AND OTHER SOURCES OF IMPACT OR STRESS REVERSAL MUST BE PRE-TENSIONED.

ALL SLIP CRITICAL CONNECTIONS AS INDICATED IN THESE DRAWINGS WITH "SC DESIGNATION" MUST BE PRE-TENSIONED. SC TYPE CONNECTIONS MUST BE FREE OF PAINT, OIL OR OTHER MATERIALS THAT REDUCE THE FRICTION AT CONTACT SURFACES.

ALL A490 BOLTS MUST BE PRE-TENSIONED WITH WASHERS UNDER TURNED ELEMENT.

SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS ARE ALWAYS "SNUG TIGHTENED", EVEN IF ABOVE CONDITIONS EXIST UNLESS SPECIFICALLY NOTED OTHERWISE ON DETAILS.

WASHERS ARE NOT REQUIRED FOR "SNUG-TIGHT" CONNECTIONS. PRE-TENSIONED CONNECTIONS TIGHTENED USING THE TURN-OF-NUT METHOD DO NOT REQUIRE WASHERS.

CODES AND LOADS

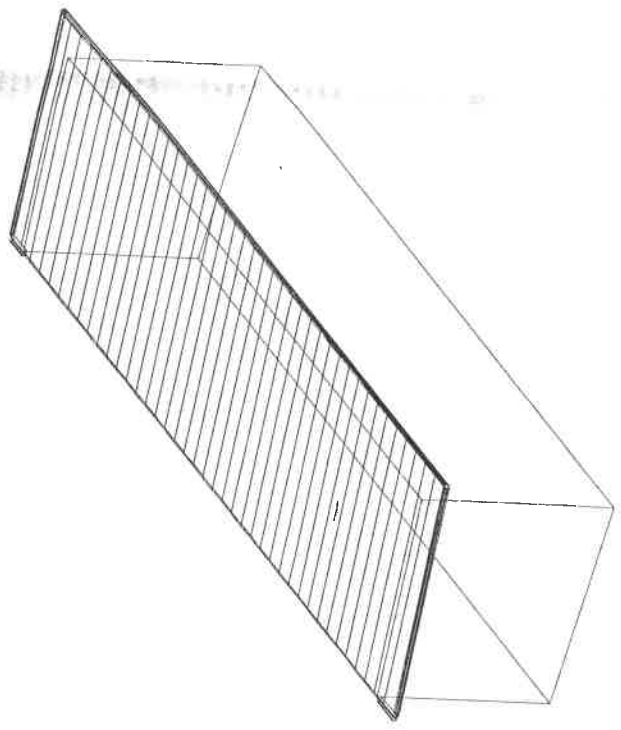
WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC. MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS.

Building Code: 2002 Ohio Building Code
 Based on Building Code: 2000 International Building Code
 Storage: Building Use: Standard Occupancy Structures
 LIVE LOADS AND RAINFALL
 Rainfall: 3.56 in per hour
 Snow: 20.00 psf
 Wind: 90 mph
 Seismic: 0.1120

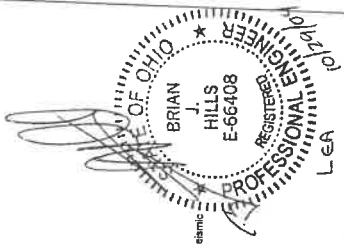
WIND LOAD
 Wind Speed: 90.00 mph, Wind Exposure: B
 Basic Wind Pressure: 12.35 psf
 Wind Importance Factor: 1.000, Ft. Topographic Factor: 1.0000
 Wind Enclosure: Open
 Note: If this building is design as ENCLOSED, all windows, doors, skylights and other covered openings must be designed for the specified above wind loads

EARTHQUAKE DESIGN DATA
 Lateral Force Resisting System using Equivalent Force Procedure, System NOT detailed for Seismic Map
 Seismic Hazard / Use Group: Group 1
 Seismic Performance / Design Category: B (See Bolt Tightening Note Above)
 Seismic Importance: 1.000 psf
 Soil Profile Type: S1 (see Note 1)
 Design Spectral Response - Sds: 0.2347, Sd1: 0.1120

Ordinary Steel Moment Frames
 Frame Redundancy Factor: 1.0000
 Frame Factor: 4.0000, Frame Seismic Factor (C_s): 0.0587, Design Base Shear = 0.0587 W
 Ordinary Steel Moment Frames
 Bracing R-Factor: 5.0000, Brace Seismic Factor (C_b): 0.0489, Design Base Shear = 0.0489 W



VP Buildings, Inc. 3200 Players Club Circle Memphis TN 38123



10/29/04

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VP BUILDINGS, INC.
 AISC CAT. 3. MB CERTIFIED

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THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.



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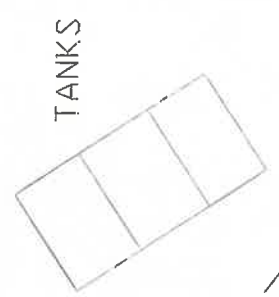
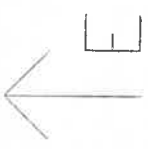
COVER SHEET
 PROJECT: Workman Bros. Inc.
 LOCATION: Napoleon, Ohio
 PROJECT: Universal Co-op
 DRAWN BY: JPR / JPR
 CHECKED BY: JPR / JPR
 DATE: 10/29/2004
 JOB NO: OH-000540-01

VP BUILDINGS
 AISC CAT. 3. MB CERTIFIED

10/29/2004 6:46:47
 10/29/04
 OH-000540-01-0E1.vpc

To be done 2-5-93

CO RD 12



BANK
POLE OK

UNIVERSAL
COOPERATIVES
INC.
1253 INDUSTRIAL
DR.

POLE
OK

REPLACE A
40'/45' POLE

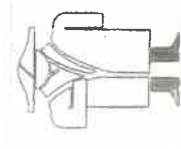
R & R



INDUSTRIAL DR.

DRIVE

Done 2-5-93
JP, BH, TD



Napoleon Power & Light			
ITEM	1775 Industrial Drive	Napoleon, Ohio	
DATE	1/25/93	W.O.#	J01186
		J.O.#	J01186
		DRAWN BY UNIVERSAL COOP"	
		MTD	

DUPS# - 125SEF28