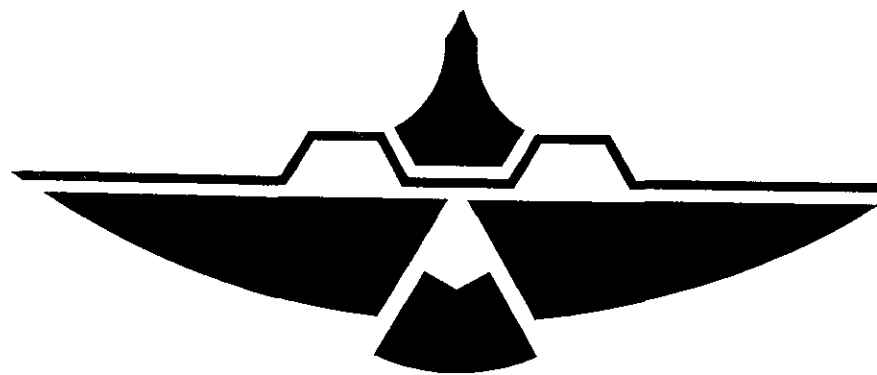
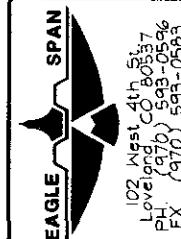




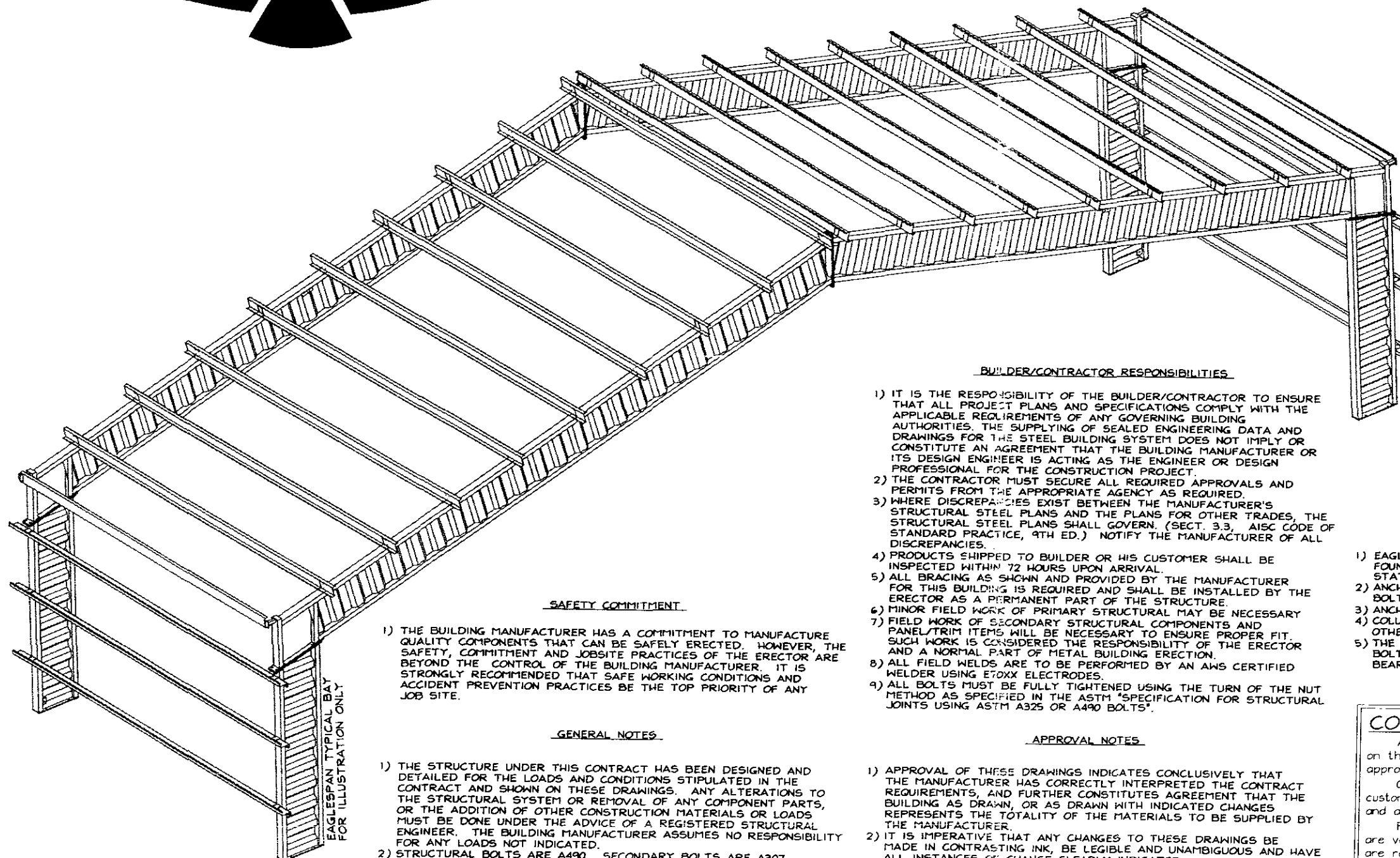
EAGLESPAN STEEL STRUCTURES, INC.

102 WEST FOURTH STREET
LOVELAND, COLORADO 80537

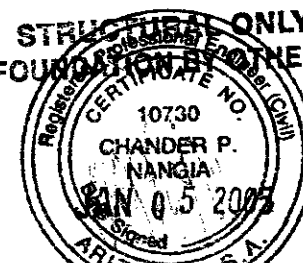
PHONE (970) 593-0596
FAX (970) 593-0583



JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXIE DRIVE
SCOTTSDALE, AZ 85262



STRUCTURAL ONLY
FOUNDATION BY OTHERS



This drawing was produced by
And/or under the direct supervision
Of Chander P. Nangia, P.E.

DESIGN LOADS

BUILDING DEAD LOAD	2 PSF	MATERIAL WEIGHT	
COLLATERAL LOAD	20 PSF		
BUILDING ROOF LIVE	0 PSF		
GROUND SNOW LOAD	0 PSF		
ROOF SNOW LOAD	0 PSF		
SNOW EXPOSURE FACTOR	1	FULLY EXPOSED ROOF	
SNOW IMPORTANCE FACTOR	1		
WIND VELOCITY	90 MPH (3 SEC GUST)		
WIND EXPOSURE CATEGORY	C		
WIND IMPORTANCE FACTOR	1.0		
SEISMIC LOAD DATA			
SEISMIC ZONE	D/1		
SEISMIC IMPORTANCE FACTOR	1.0		
MEZZANINE DEAD LOAD	N/A		
MEZZANINE LIVE LOAD	N/A		
GOVERNING DESIGN CODE	IBC 2003		

FOUNDATION NOTES

- 1) EAGLESPAN STEEL STRUCTURES, INC. IS NOT RESPONSIBLE FOR THE FOUNDATION OR THE DESIGN OF THE FOUNDATION UNLESS SPECIFICALLY STATED ON THE CONTRACT.
- 2) ANCHOR BOLTS ARE NOT PROVIDED BY EAGLESPAN. ALL ANCHOR BOLTS SHALL BE ASTM A307 UNLESS NOTED OTHERWISE.
- 3) ANCHOR BOLTS MUST BE SET FROM STAMPED ENGINEERED DRAWINGS.
- 4) COLUMN BEARING ELEVATIONS ARE CONSIDERED UNIFORM UNLESS OTHERWISE NOTED ON THESE DRAWINGS.
- 5) THE PROJECT CONTRACTOR IS RESPONSIBLE FOR ANCHOR BOLT SETTING AND MAINTAINING A SQUARE AND LEVEL CONCRETE BEARING SURFACE.

CONTRACTORS NOTE

All dimensions shown must be verified by the customer named on the contract, who has sole responsibility for verifying and approving job requirements.

Quantities, lengths, items and dimensions not changed by the customer named on the contract will be assumed to be correct and acceptable.

Fabrication will not begin until all dimensions and quantities are verified, and until signed and approved shop drawings are received by EagleSpan Steel Structures, Inc.

____ Approved
____ Approved as Noted
____ Disapproved/Correct as Noted/Resubmit

THIS NOTE APPLIES TO ALL SHEETS SHOWN ON SHEET INDEX.

Signed _____ Date _____

BUILDER/CONTRACTOR RESPONSIBILITIES

- 1) IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO ENSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE STEEL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT.
- 2) THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.
- 3) WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3, AISC CODE OF STANDARD PRACTICE, 9TH ED.) NOTIFY THE MANUFACTURER OF ALL DISCREPANCIES.
- 4) PRODUCTS SHIPPED TO BUILDER OR HIS CUSTOMER SHALL BE INSPECTED WITHIN 72 HOURS UPON ARRIVAL.
- 5) ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.
- 6) MINOR FIELD WORK OF PRIMARY STRUCTURAL MAY BE NECESSARY.
- 7) FIELD WORK OF SECONDARY STRUCTURAL COMPONENTS AND PANEL/TRIM ITEMS WILL BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED THE RESPONSIBILITY OF THE ERECTOR AND A NORMAL PART OF METAL BUILDING ERECTION.
- 8) ALL FIELD WELDS ARE TO BE PERFORMED BY AN AWS CERTIFIED WELDER USING E70XX ELECTRODES.
- 9) ALL BOLTS MUST BE FULLY TIGHTENED USING THE TURN OF THE NUT METHOD AS SPECIFIED IN THE ASTM "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

APPROVAL NOTES

- 1) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTALITY OF THE MATERIALS TO BE SUPPLIED BY THE MANUFACTURER.
- 2) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS BE MADE IN CONTRASTING INK, BE LEGIBLE AND UNAMBIGUOUS AND HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
- 3) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND IT'S CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION.

SHEET INDEX

COVER PAGE _____ C1
ANCHOR BOLT PLAN & BASE DETAILS _____ F1 & F2
BUILDING FRAMING, SHEETING, & ELEVATIONS _____ E1 - E5
DETAILS _____ DT1 & DT2

SAFETY COMMITMENT

- 1) THE BUILDING MANUFACTURER HAS A COMMITMENT TO MANUFACTURE QUALITY COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY, COMMITMENT AND JOBSITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF THE BUILDING MANUFACTURER. IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

GENERAL NOTES

- 1) THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE OF A REGISTERED STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.
- 2) STRUCTURAL BOLTS ARE A490. SECONDARY BOLTS ARE A307.
- 3) BUILDING IS NOT BRACED UNTIL ALL COMPONENTS ARE IN PLACE.
- 4) DRAWINGS MAY NOT BE TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- 5) MATERIAL PROPERTIES OF STEEL PLATES, TUBING, AND FOLDED WEBS USED IN FABRICATION OF PRIMARY RIGID FRAMES AND ALL PRIMARY STRUCTURAL FRAMING MEMBERS (OTHER THAN COLD-FORMED MEMBERS) CONFORM TO ASTM-A36, ASTM-A500 GR60 AND ASTM A1011 GR33.
- 6) MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO REQUIREMENTS OF ASTM-A653, GR55.
- 7) ALL HIGH STRENGTH BOLTS SHALL BE INSTALLED USING THE "TURN OF THE NUT" METHOD SPECIFIED IN THE NINTH EDITION OF AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER TIGHTNESS.
- 8) FRAME DESIGN IS BASED ON THE LARGER ROOF LIVE LOAD OR ROOF SNOW LOAD.
- 9) THIS BUILDING WAS DESIGNED BASED ON AN ENCLOSED STRUCTURE.

EAGLESPAN TYPICAL BAY
FOR ILLUSTRATION ONLY

RELEASE OF THESE DRAWINGS REQUIRES FURTHER COOPERATION BETWEEN OWNER, CONTRACTOR, AND ENGINEER. ANY AMBIGUITY OR DISCREPANCY DISCOVERED BY THE USER OF THIS DRAWING SHALL BE RESOLVED IMMEDIATELY TO THE ENGINEER. FAILURE TO NOTIFY THE ENGINEER OF ANY DISCREPANCY SHALL BE CONSIDERED A WAIVER OF THE ENGINEER'S RESPONSIBILITY FOR ALL RESULTING CONSEQUENCES. COPYRIGHT 2004, ALL RIGHTS RESERVED.

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE: _____

DRAWN: DEM

DATE: 12-13-04

CHECKED: SFP

DATE: 12-30-04

APPROVED: SFP

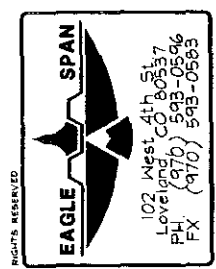
REV. 1

PROJECT NO.

24-8421

SHEET NO.

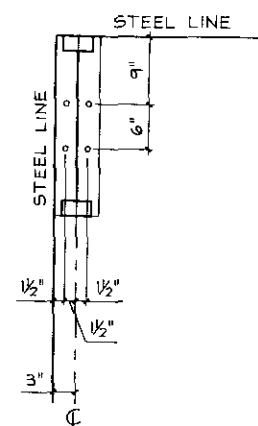
C1



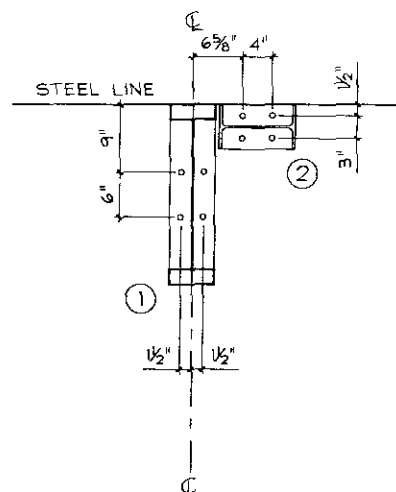
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12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

SHEET NO.
F1

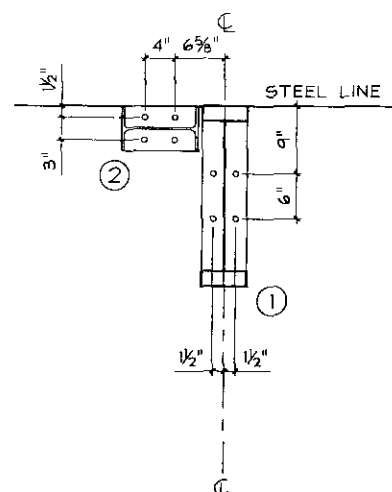
ANCHOR BOLT SETTING PLAN



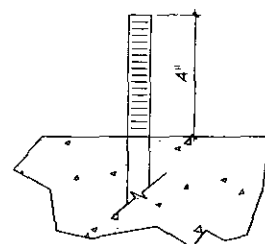
BASE TYPE A
 E 3/4"x6"x2'-0"
 (4) 3/4"φ ANCHOR BOLTS



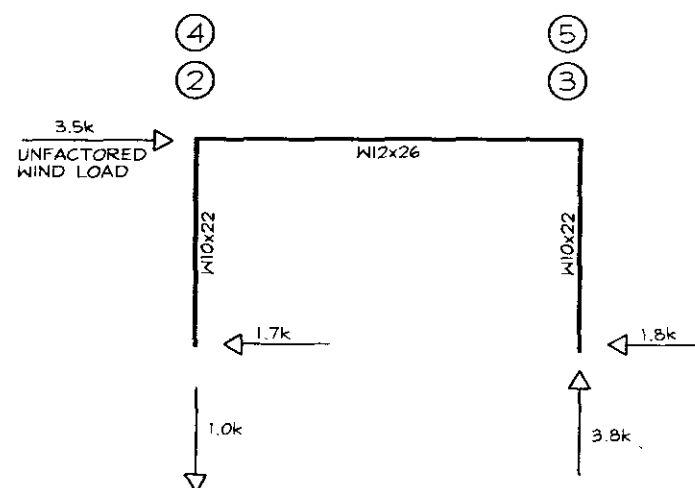
BASE TYPE B
 ① E 3/4"x6"x2'-0"
 (4) 3/4"φ ANCHOR BOLTS
 ② E 3/4"x6"x0'-10 1/4"
 (4) 3/4"φ ANCHOR BOLTS



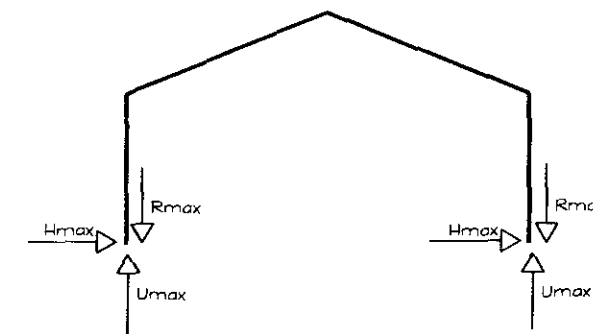
BASE TYPE C
 ① E 3/4"x6"x2'-0"
 (4) 3/4"φ ANCHOR BOLTS
 ② E 3/4"x6"x0'-10 1/4"
 (4) 3/4"φ ANCHOR BOLTS



TYPICAL ANCHOR BOLT PROJECTION
 ANCHOR BOLTS ARE NOT SUPPLIED BY EAGLESPAN

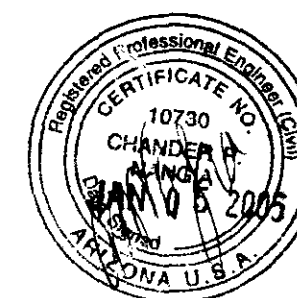


PORTAL FRAMES @ GRIDLINES A & B
 -WIND DIRECTION MAY BE OPPOSITE-
 GOVERNS OVER SEISMIC



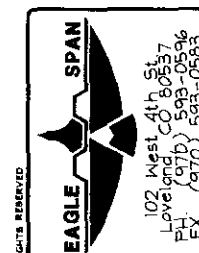
BUILDING REACTIONS ALL REACTIONS ARE IN KIPS					
GRID LINE	Rmax	Hmax	Umax	COLUMN SIZE	BASE TYPE
A1, A6, B1, B6	10.4(3.1)	6.7(2.0)	5.4	20EB424	A
A2, A4, B3, B5	18.0(5.3)	11.6(3.4)	9.3	20EB624	B
A3, A5, B2, B4	18.0(5.3)	11.6(3.4)	9.3	20EB624	C

NOTES: 1. DEAD LOAD COMPONENT IN PARENTHESES
 2. BUILDING REACTIONS SHOWN ARE BASED ON FINAL ANALYSIS.
 3. BRACING REACTIONS ARE NOT INCLUDED IN THIS TABLE, AND ARE SHOWN ELSEWHERE ON THIS SHEET



14-DR-2005
 2/15/2005

ANCHOR BOLT BASE DETAILS



JAMES HEITEL
 RIDING ARENA COVER
 8485 EAST DIXIELETA DRIVE
 SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE:

DRAWN: DEM

DATE: 12-13-04

CHECKED: SFP

DATE: 12-30-04

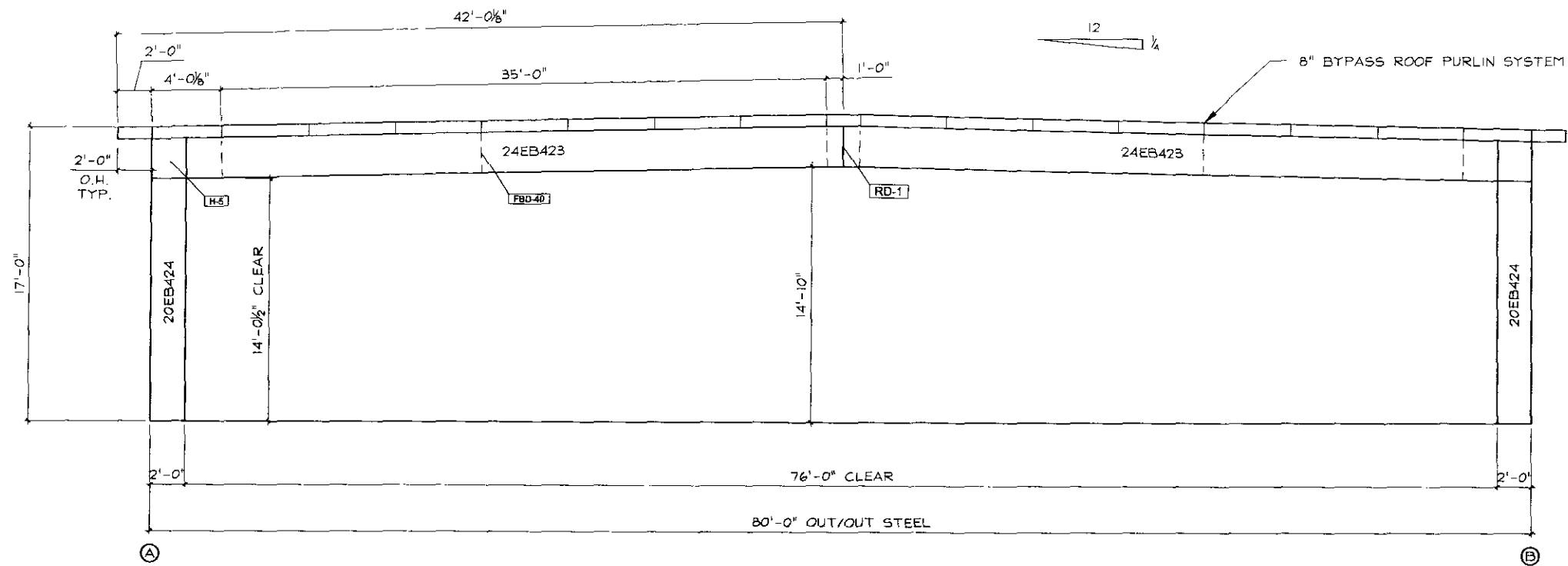
APPROVED: SFP

REV. 1

PROJECT NO. 24-8421

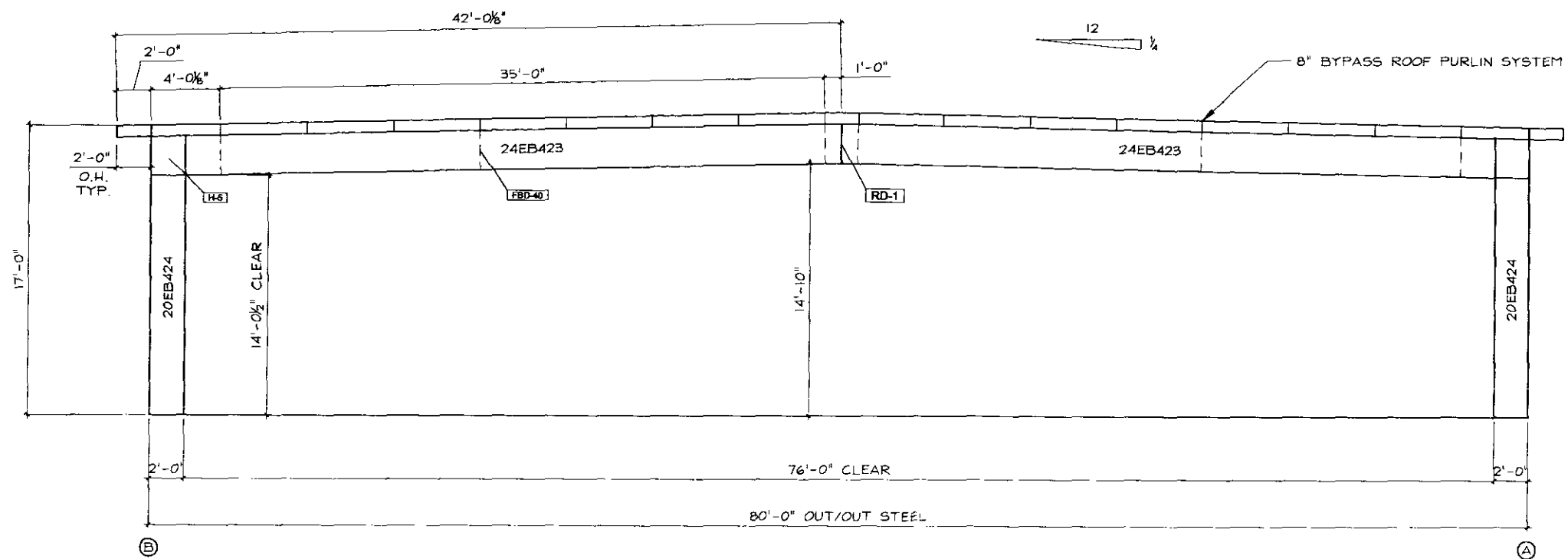
SHEET NO. F2

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NOTE:
THIS BUILDING WAS DESIGNED FOR NO
WALL GIRTS OR SHEETING.

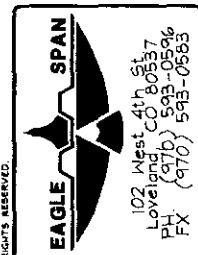
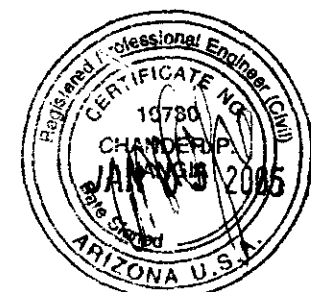
ENDWALL FRAMING @ GRID LINE 1



NOTE:
THIS BUILDING WAS DESIGNED FOR NO
WALL GIRTS OR SHEETING.

ENDWALL FRAMING @ GRID LINE 6

14-DR-2005
2/15/2005



JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXILETA DRIVE
SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE:

DRAWN:
DEM

DATE:
12-13-04

CHECKED:
SFP

DATE:
12-30-04

APPROVED:
SFP

REV.
1

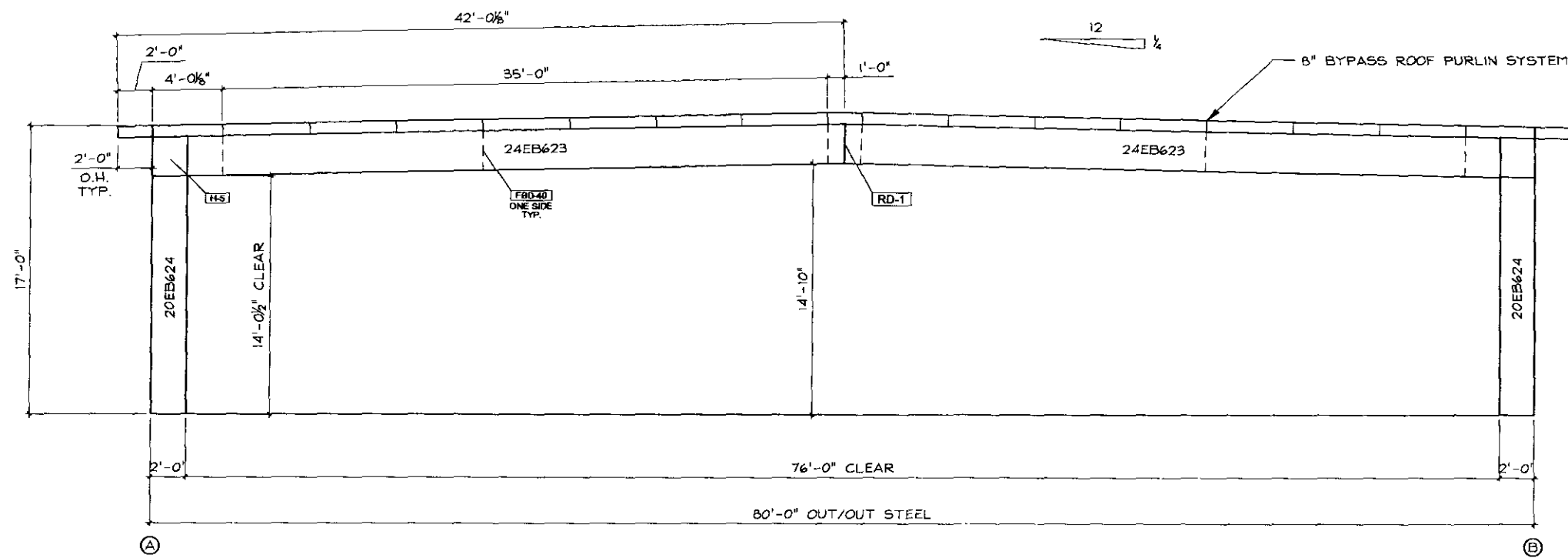
PROJECT NO.

24-8421

SHEET NO.

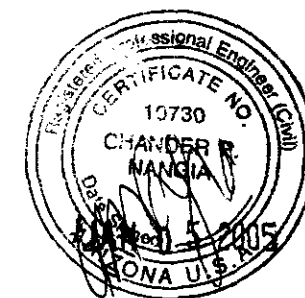
E1

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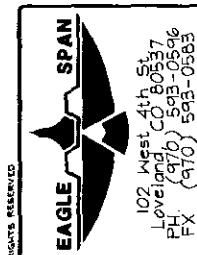


NOTE:
THIS BUILDING WAS DESIGNED FOR NO
WALL GIRTS.

FRAMING @ GRID LINES 2 THROUGH 5



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2/15/2005



JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXIE DRIVE
SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE:

DRAWN:
DEM

DATE:
12-13-04

CHECKED:
SFP

DATE:
12-30-04

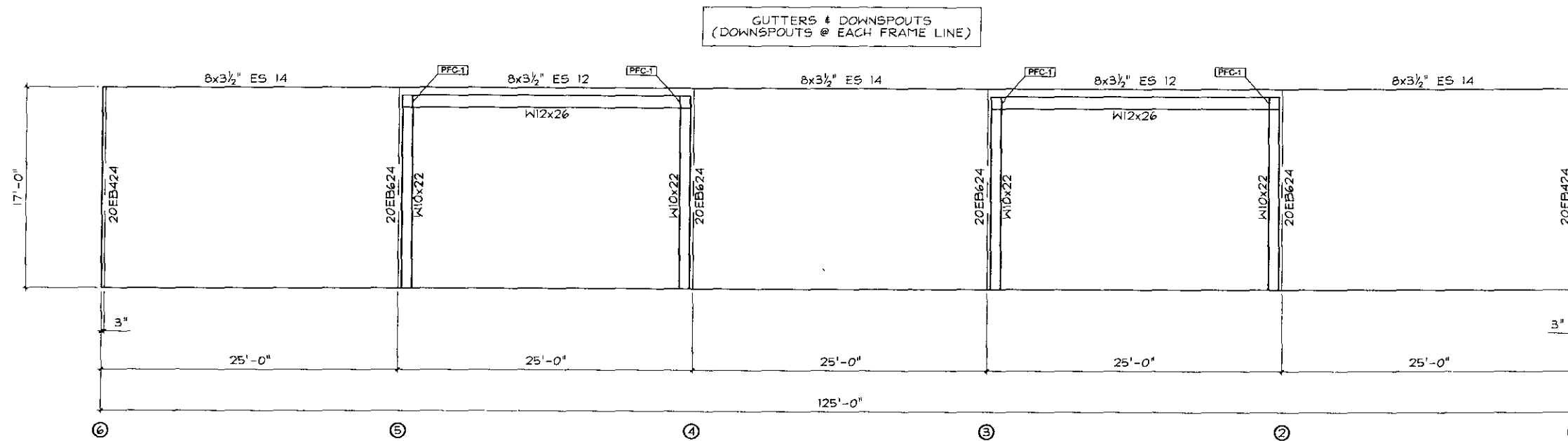
APPROVED:
SFP

REV.
1

PROJECT NO.
24-8421

SHEET NO.
E2

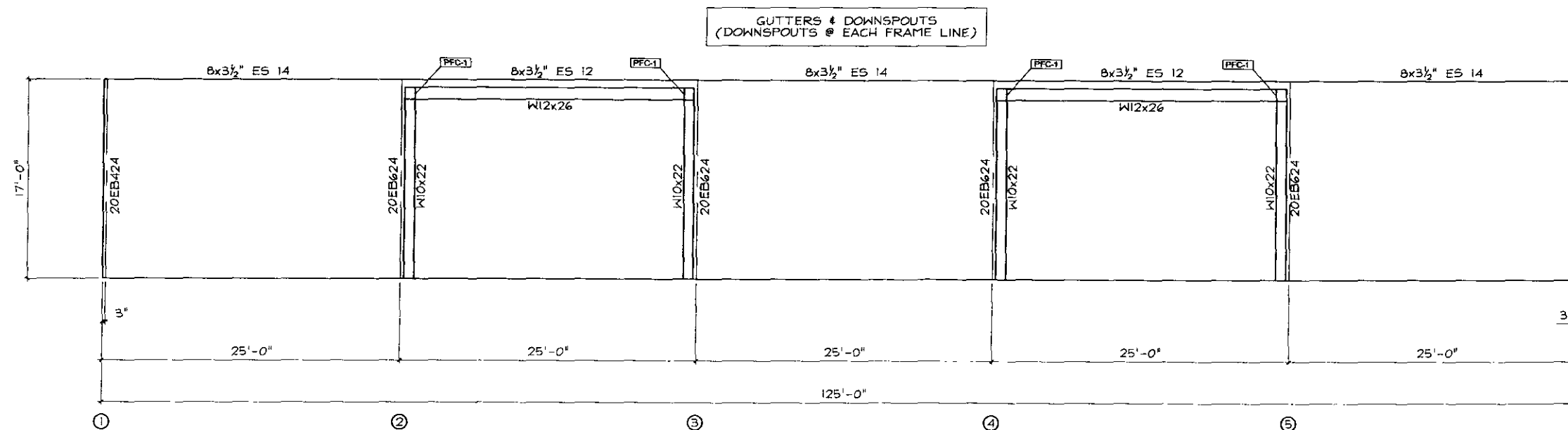
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NOTE:
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WALL GIRTS OR SHEETING.

SIDEWALL FRAMING @ GRID LINE A

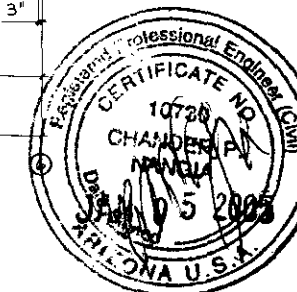
*OVERHANG NOT SHOWN FOR CLARITY



NOTE:
THIS BUILDING WAS DESIGNED FOR NO
WALL GIRTS OR SHEETING

SIDEWALL FRAMING @ GRID LINE B

*OVERHANG NOT SHOWN FOR CLARITY



14-DR-2005
2/15/2005



JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXILETA DRIVE
SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE:

DRAWN:
DEM

DATE:
12-13-04

CHECKED:
SFP

DATE:
12-30-04

APPROVED:
SFP

REV.
1

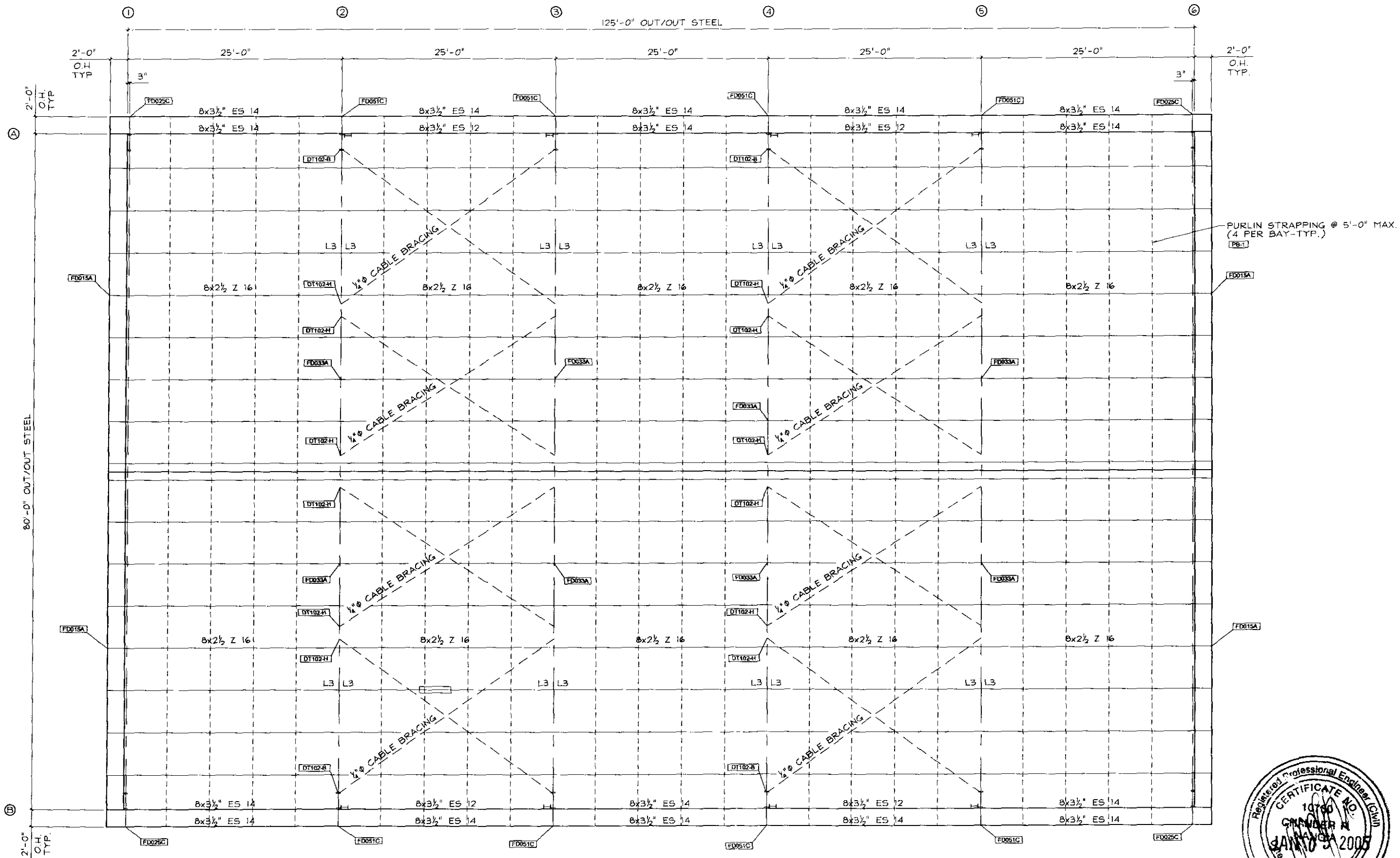
PROJECT NO.

24-8421

SHEET NO.

E3

LAP	LAP LENGTH
L3	3'-1 3/4"

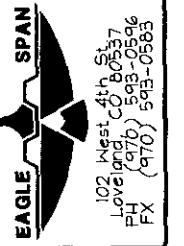


ROOF FRAMING PLAN

REFER TO SEPARATE LIGHTING PLANS
FOR LOCATIONS OF LIGHT FIXTURES



14-DR-2005
2/15/2005



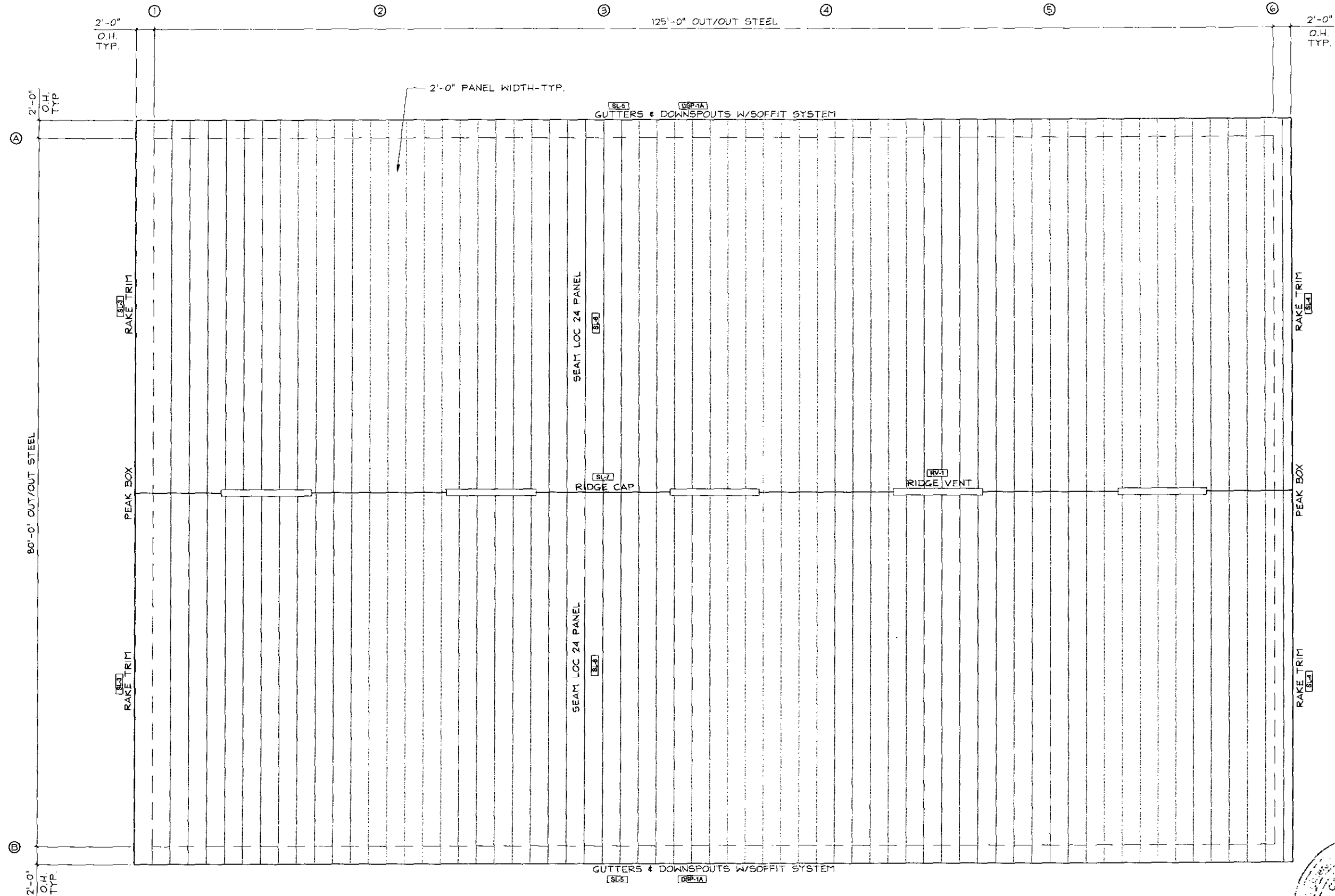
JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXIE DRIVE
SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

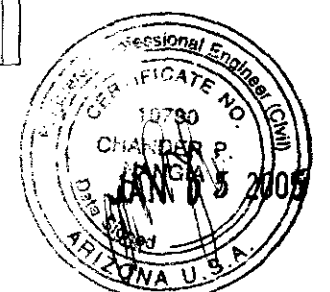
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DATE:	12-13-04
CHECKED:	SFP
DATE:	12-30-04
APPROVED:	SFP
REV.	1

PROJECT NO.	24-8421
SHEET NO.	E4

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ROOF SHEETING PLAN



14-DR-2005
2/15/2005

DATE:		REV.		REVISIONS	
DRAWN: DEM		0		OWNER APPROVAL SET	
DATE: 12-13-04		1		PORTAL FRAME CHANGE	
CHECKED: SFP					
DATE: 12-30-04					
APPROVED: SFP					
REV. 1					
PROJECT NO. 24-8421					
SHEET NO. E5					

JAMES HEITEL
 RIDING ARENA COVER
 8485 EAST DIXILETA DRIVE
 SCOTSDALE, AZ 85262

102 West 4th St.
 Loveland, CO 80537
 PH (970) 593-0596
 FX (970) 595-0588

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HAUNCH LOCATION	TYPE	TYPE I			TYPE II			TYPE III			
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(S)
FRAMES @ G.L.'s 1 & 6	III	(2) E 3/4"x6"	(8) 3/4"x2 1/2" A490	1/2" E	1/2" E	1/2" E	1/2" E	1/2" E	N/A	N/A	N/A
FRAME @ G.L. 2-5	III	(2) E 3/4"x6"	(8) 3/4"x2 1/2" A490	1/2" E	1/2" E	1/2" E	1/2" E	1/2" E	N/A	N/A	N/A

FRAME HAUNCH DETAILS H-5

RIDGE SPLICE LOCATION	(A)	(B)
FRAMES @ G.L.'s 1 & 6	(2) E 3/4"x6"	(8) 3/4"x2 1/2" A490
FRAME @ G.L. 2-5	(2) E 3/4"x6"	(8) 3/4"x2 1/2" A490

RIDGE SPLICE RD-1

TYP GIRT ORIENTATION

TYP PURLIN ORIENTATION

TYPICAL PURLIN & GIRT ORIENTATION OR-1

EAGLE BEAM ENDWALL RAFTER TO PURLIN FD015A

OVERHANGS AT ENDWALL W/BYPASS GIRTS FD025C

PURLIN W/LAP AT RAFTER FD033A

FLUSH SIDEWALL AT EAVE W/ OVERHANG FD051C

PURLIN BRACING FOR STANDING SEAM ROOF PB-1

FLANGE BRACE DETAIL (BRACE ONE SIDE) FBD-40

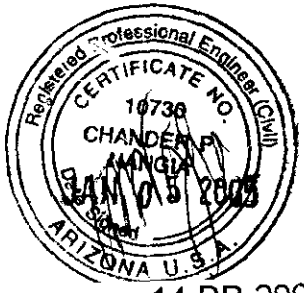
STRAND SIZE INCHES	EYEBOLT SIZE INCHES	BRACE EYE
1/4	1/2	60110
3/16	5/8	60110
3/8	3/4	60110
7/16	3/4	60112
1/2	7/8	60112

CABLE BRACING DETAIL THRU WEB DT102-B

CABLE OR ROD BRACING DETAIL w/WAFFLE WEB DT102-H

PORTAL FRAME COLUMN/HEADER CONNECTION PFC-1

NOTE: CONNECTION DETAILING FOR ALL MEMBERS SHALL BE FINALIZED DURING THE DETAILING PHASE OF PRODUCTION & WILL BE SHOWN ON THE CONSTRUCTION ISSUE SET OF THESE DRAWINGS.



JAMES HEITEL
RIDING ARENA COVER
8485 EAST DIXIE LA DRIVE
SCOTSDALE, AZ 85262

DATE	REV.	REVISIONS
12-17-04	0	OWNER APPROVAL SET
12-30-04	1	PORTAL FRAME CHANGE

DATE: _____

DRAWN: DEM

DATE: 12-13-04

CHECKED: SFP

DATE: 12-30-04

APPROVED: SFP

REV. 1

PROJECT NO. 24-8421

SHEET NO. DT1

