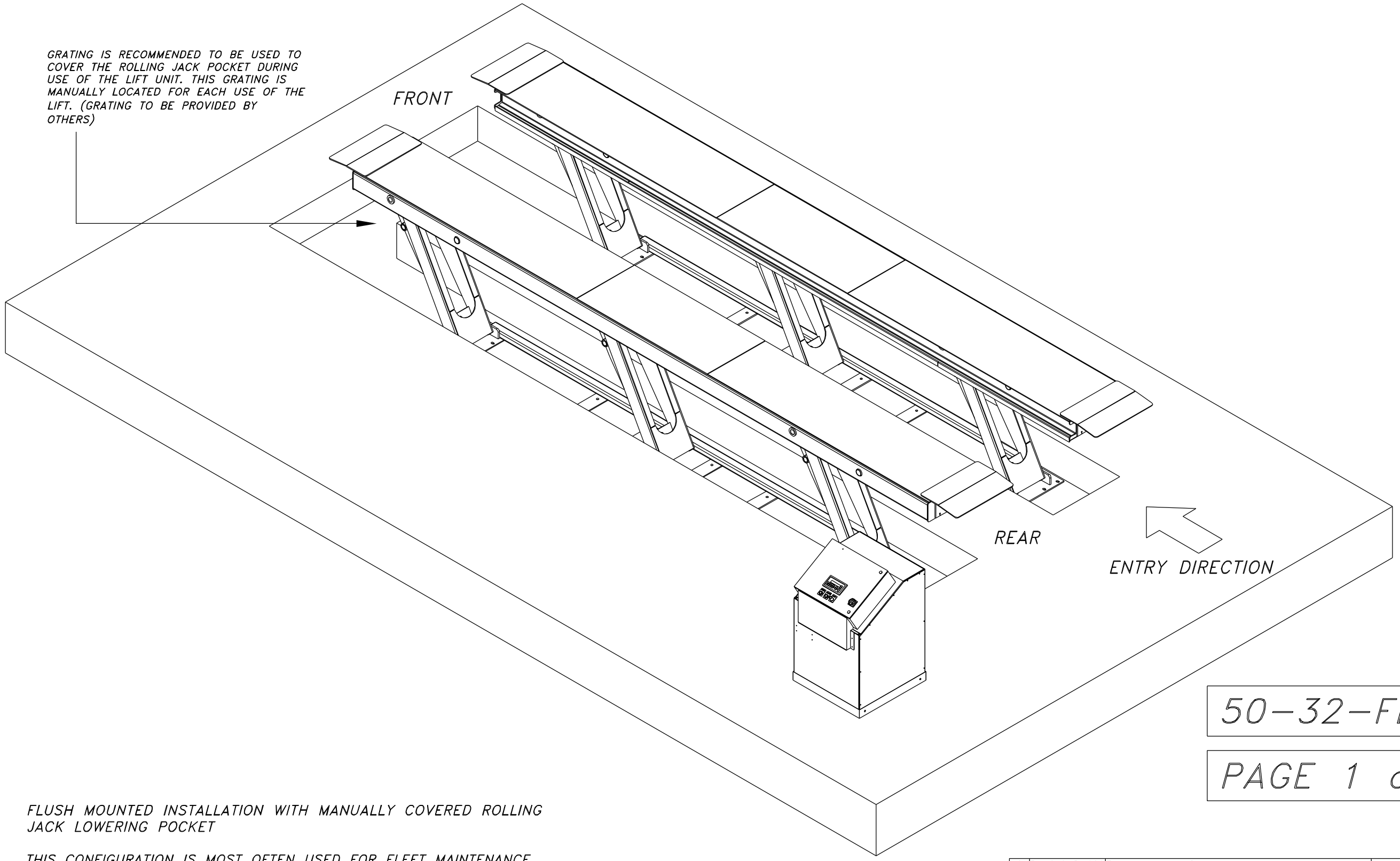
GRATING IS RECOMMENDED TO BE USED TO COVER THE ROLLING JACK POCKET DURING USE OF THE LIFT UNIT. THIS GRATING IS MANUALLY LOCATED FOR EACH USE OF THE LIFT. (GRATING TO BE PROVIDED BY OTHERS)



50-32-FLUSH

PAGE 1 of 2

FLUSH MOUNTED INSTALLATION WITH MANUALLY COVERED ROLLING JACK LOWERING POCKET

THIS CONFIGURATION IS MOST OFTEN USED FOR FLEET MAINTENANCE APPLICATIONS THAT INVOLVE A MODERATE RATIO OF TIRE, WHEEL OR BRAKE SERVICES.

THE FRONT OF THE LIFT UNIT IS PLACED TO THE FRONT OF THE LIFT TRENCH. FOR THIS INSTALLATION, THE LIFT UNIT WILL TRANSLATE TO THE REAR AS IT ARTICULATES UPWARD. ALLOW APPROXIMATELY 60 INCHES AT THE REAR OF THE LIFT FOR THIS MOTION.

ITEM	NAME	DESCRIPTION	QTY	MATERIAL	VENDOR	NOTE	MASS	PRICE
6	P-1010-D-006	Flush Installation General Notes	1					
5	P-010-D-005	Service Leg Conduit Details	1					
4	P-010-D-004	Anchor Details & Shimming	1					
3	P-010-D-003	Control Console & Stub-Up Details	1					
2	P-1610-D-002	50-32-Flush Lift Data Table	1					
1	P-1610-D-001	50-32-Flush, Pit Drawings & Sections	1					

Parts List

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-A-001

P-1610-

NEXT ASSEMBLY

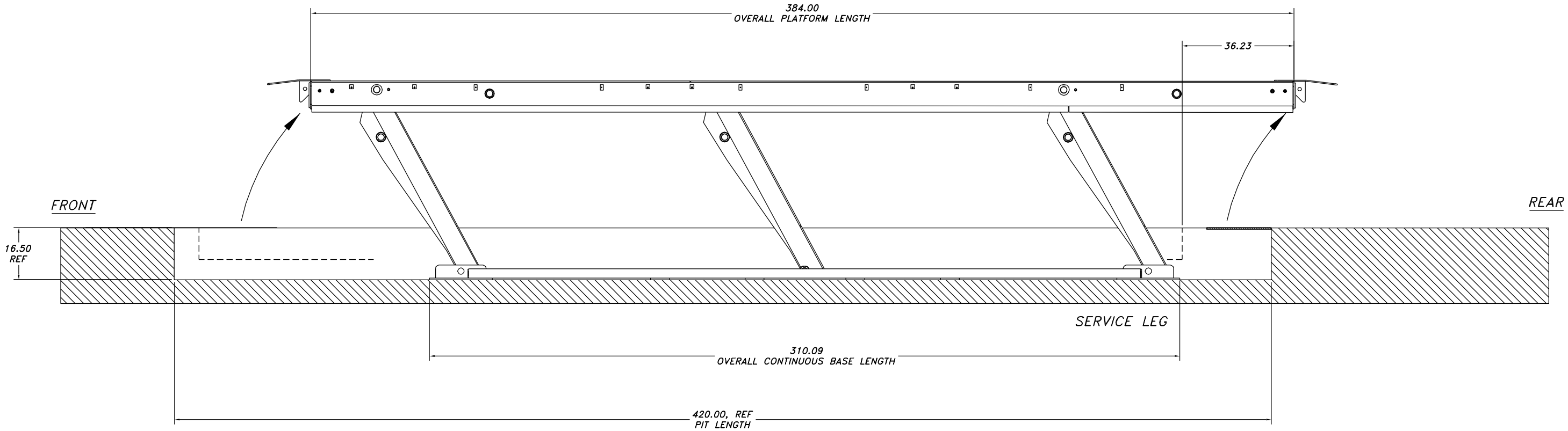
SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT LB.

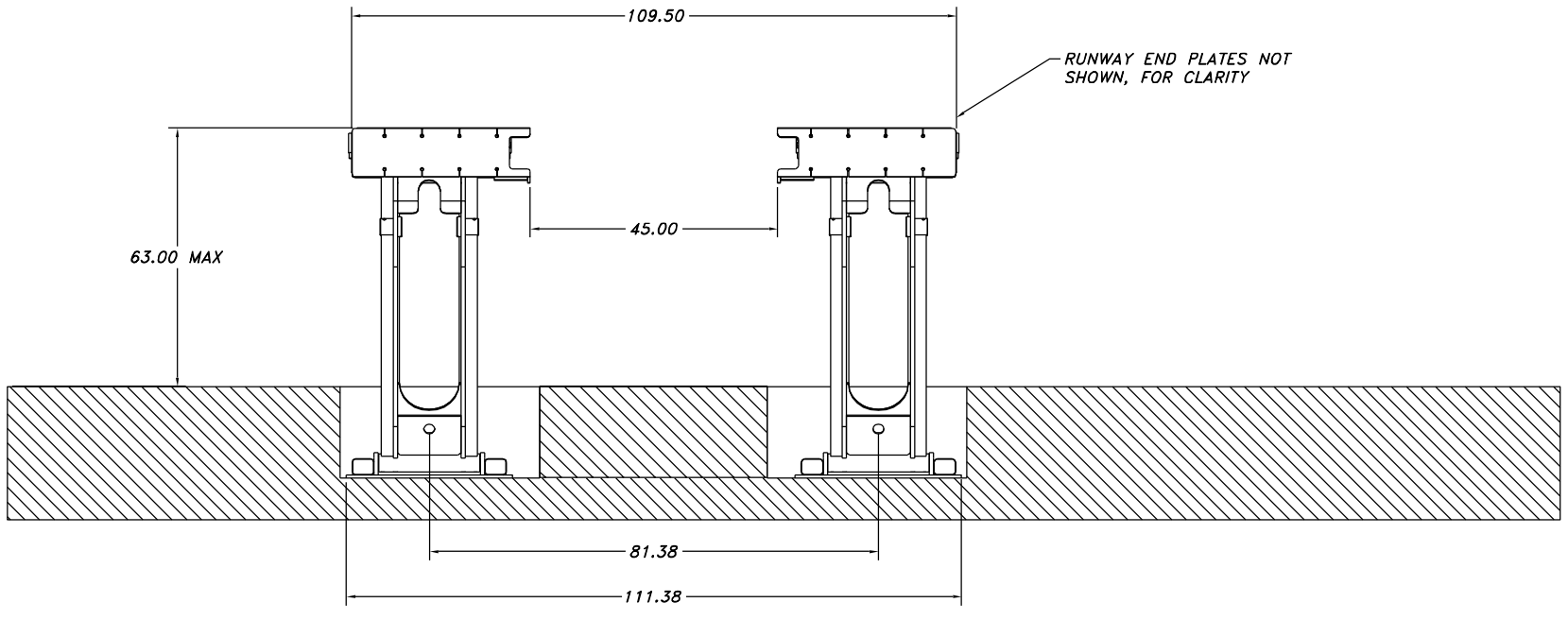
MOHAWK RESOURCES LTD.

TITLE INSTALLATION REQUIREMENTS DRAWING, 50-32-FLUSH

FROM | DRAWING NUMBER P-1610-A-001 △

D-SIZE





50-32-FLUSH

PAGE 2 of 2

FRONT ELEVATION VIEW

D-SIZE

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

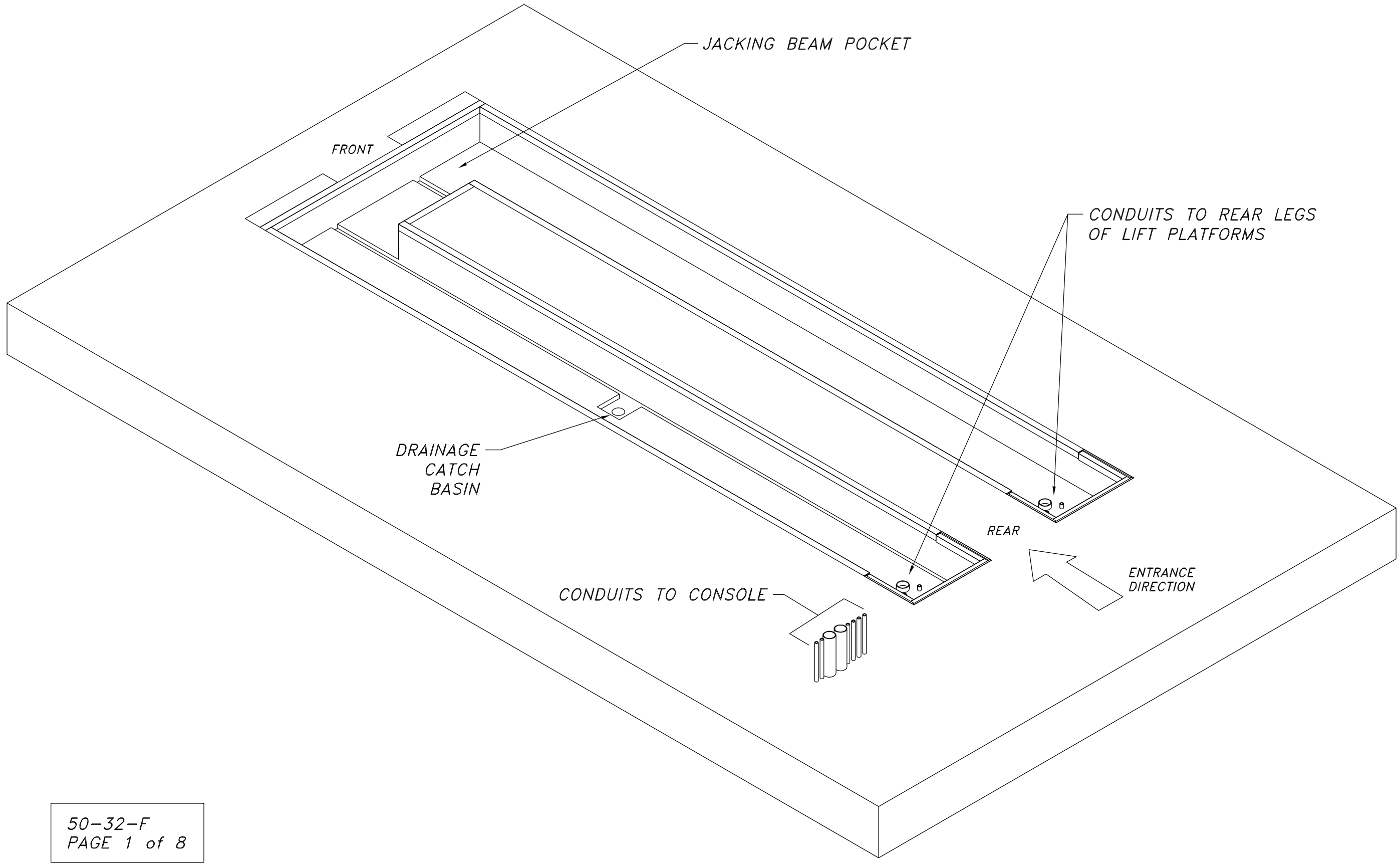
TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-A-001

P1610-

NEXT ASSEMBLY

SCALE NONE	DRAWN rwv7089	MOHAWK RESOURCES LTD.	
CHECKED	APPROVED	TITLE INSTALLATION REQUIREMENTS DRAWING, 50-32-FLUSH	
DATE 6/11/03	WEIGHT L.B.	FROM	DRAWING NUMBER P-1610-A-001



50-32-F
PAGE 1 of 8

D-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD.. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
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3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-001

P-1610-A-001

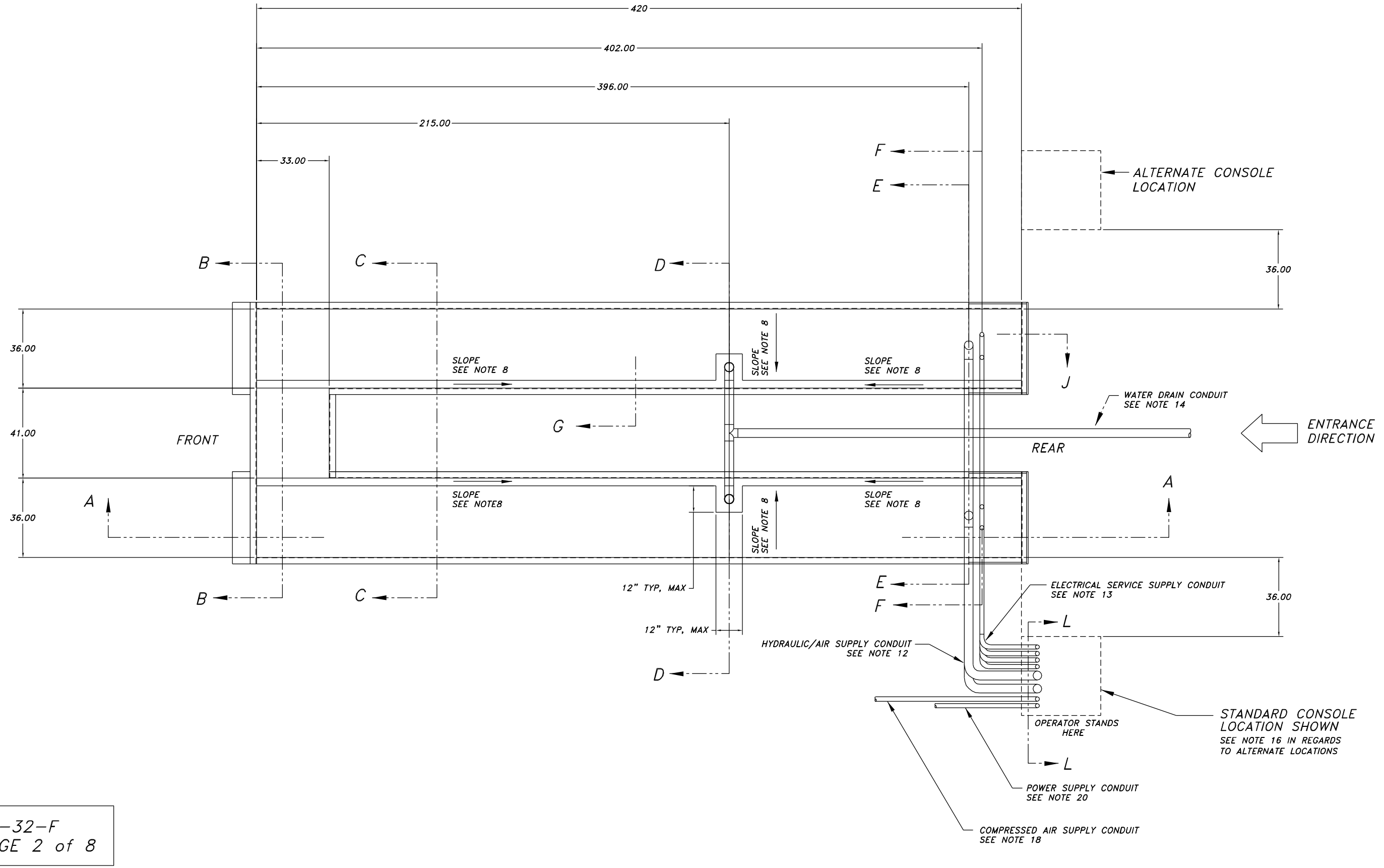
NEXT ASSEMBLY

SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT LB.

MOHAWK RESOURCES LTD.

TITLE PIT DRAWINGS & SECTIONS FOR 50-32-F (FLUSH)

FROM | DRAWING NUMBER P-1610-D-001 △



50-32-F
PAGE 2 of 8

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-001

P-1610-A-001

NEXT ASSEMBLY

SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT LB.

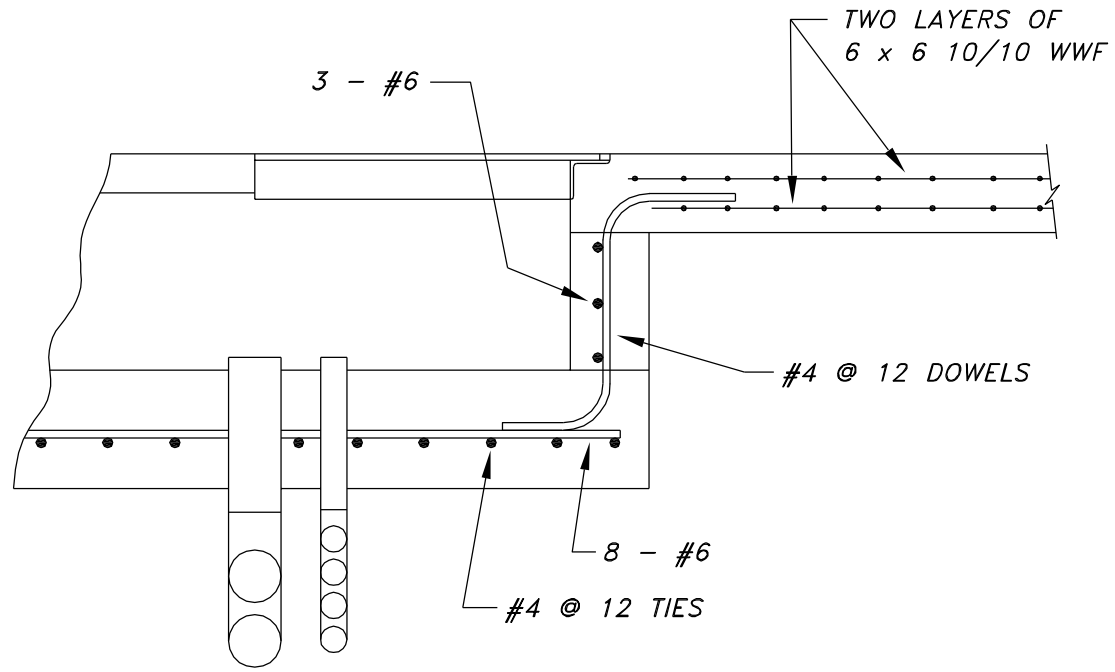
MOHAWK RESOURCES LTD.

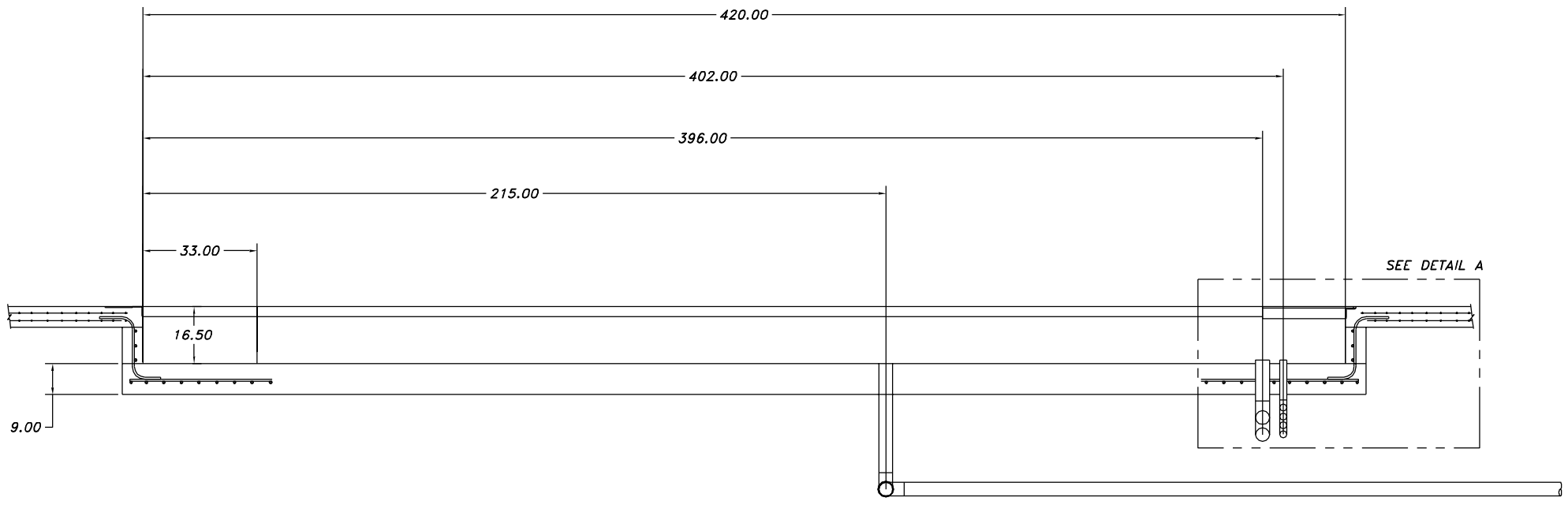
TITLE PIT DRAWINGS & SECTIONS FOR 50-32-F (FLUSH)

FROM | DRAWING NUMBER P-1610-D-001

D-SIZE

DETAIL A





SECTION A–A

50–32–F
PAGE 3 of 8

D–SIZE

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
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TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P–1610–D–001

P–1610–A–001

NEXT ASSEMBLY

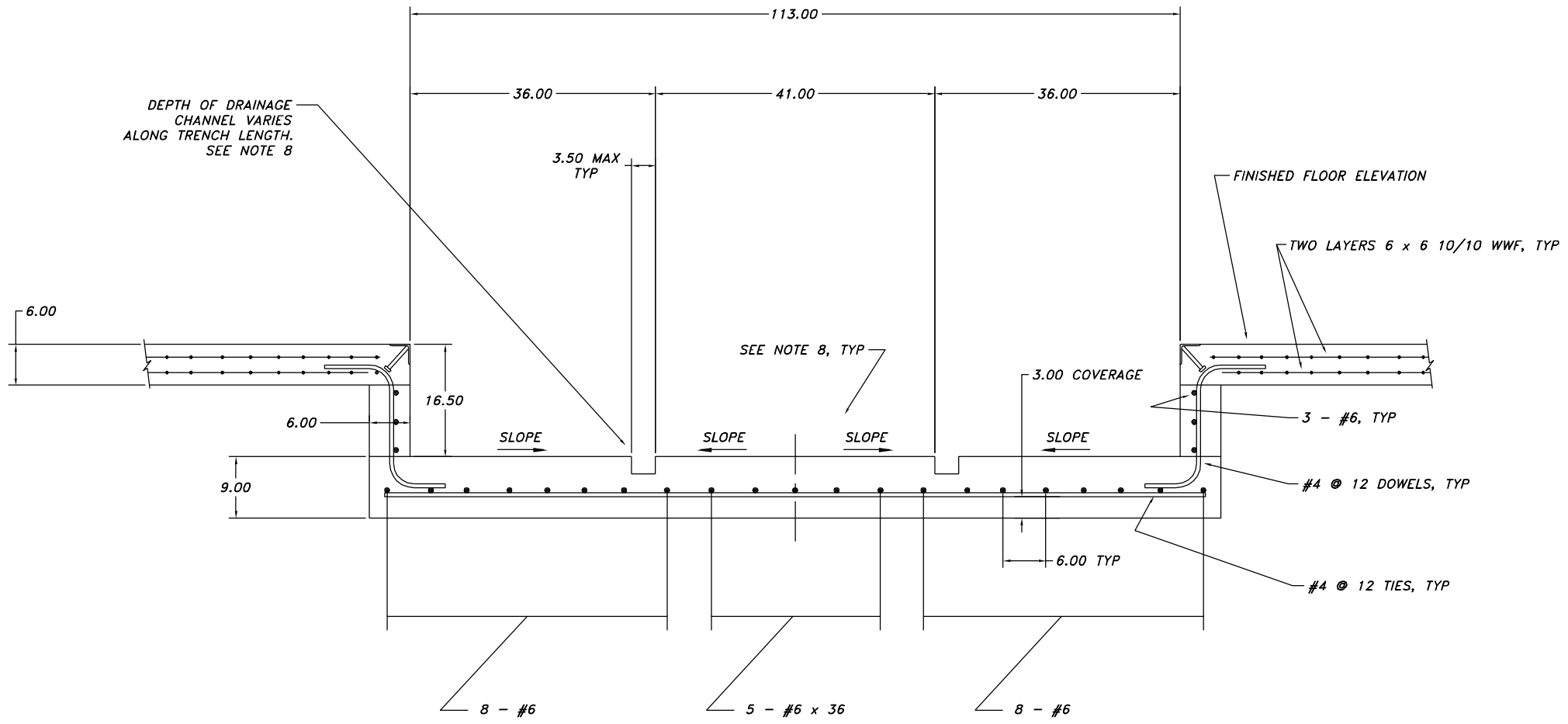
SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT LB.

MOHAWK RESOURCES LTD.

TITLE PIT DRAWINGS & SECTIONS FOR 50–32–F (FLUSH)

FROM

DRAWING NUMBER P–1610–D–001



SECTION B-B

50-32-F
PAGE 4 of 8

D-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD.. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

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TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-001

P-1610-A-001

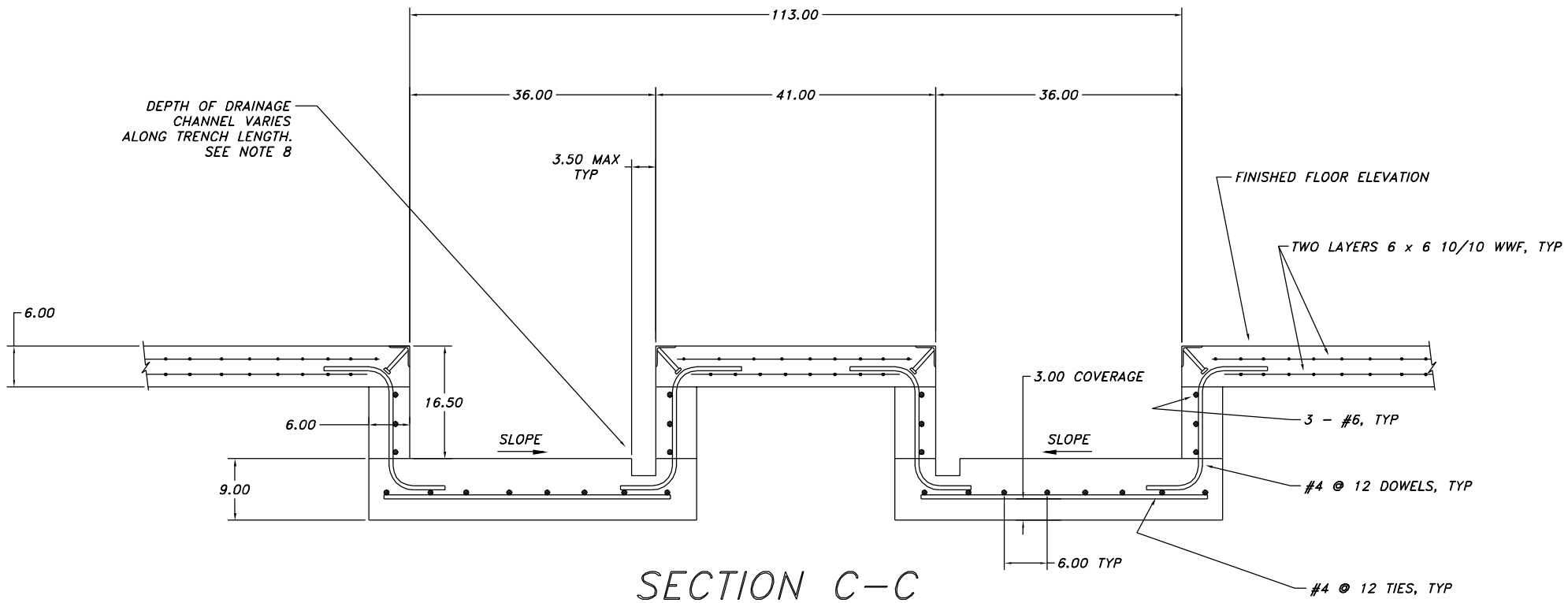
NEXT ASSEMBLY

SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11-03 | WEIGHT LB.

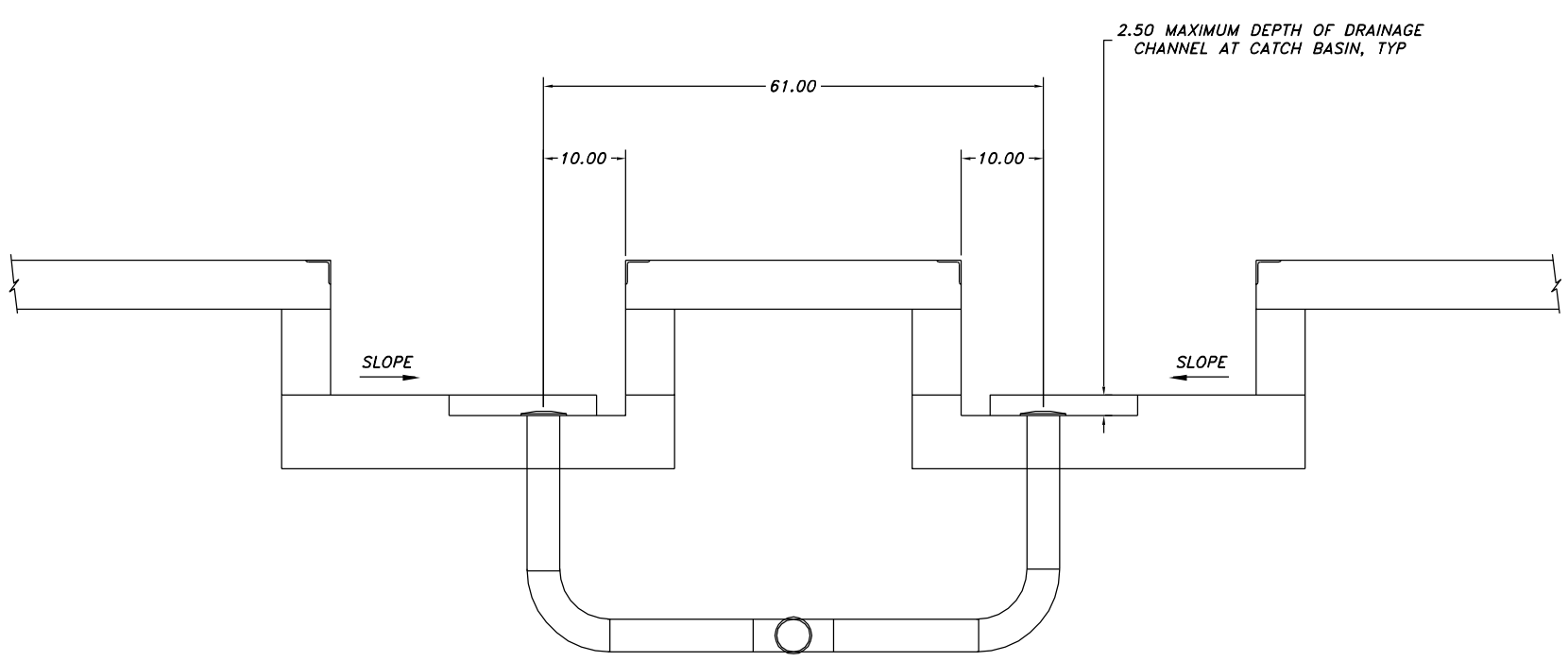
MOHAWK RESOURCES LTD.

TITLE PIT DRAWINGS & SECTIONS FOR 50-32-F (FLUSH)

FROM | DRAWING NUMBER P-1610-D-001 | △



SECTION C-C



SECTION D-D

50-32-F
PAGE 5 of 8

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
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TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-001

P-1610-A-001

NEXT ASSEMBLY

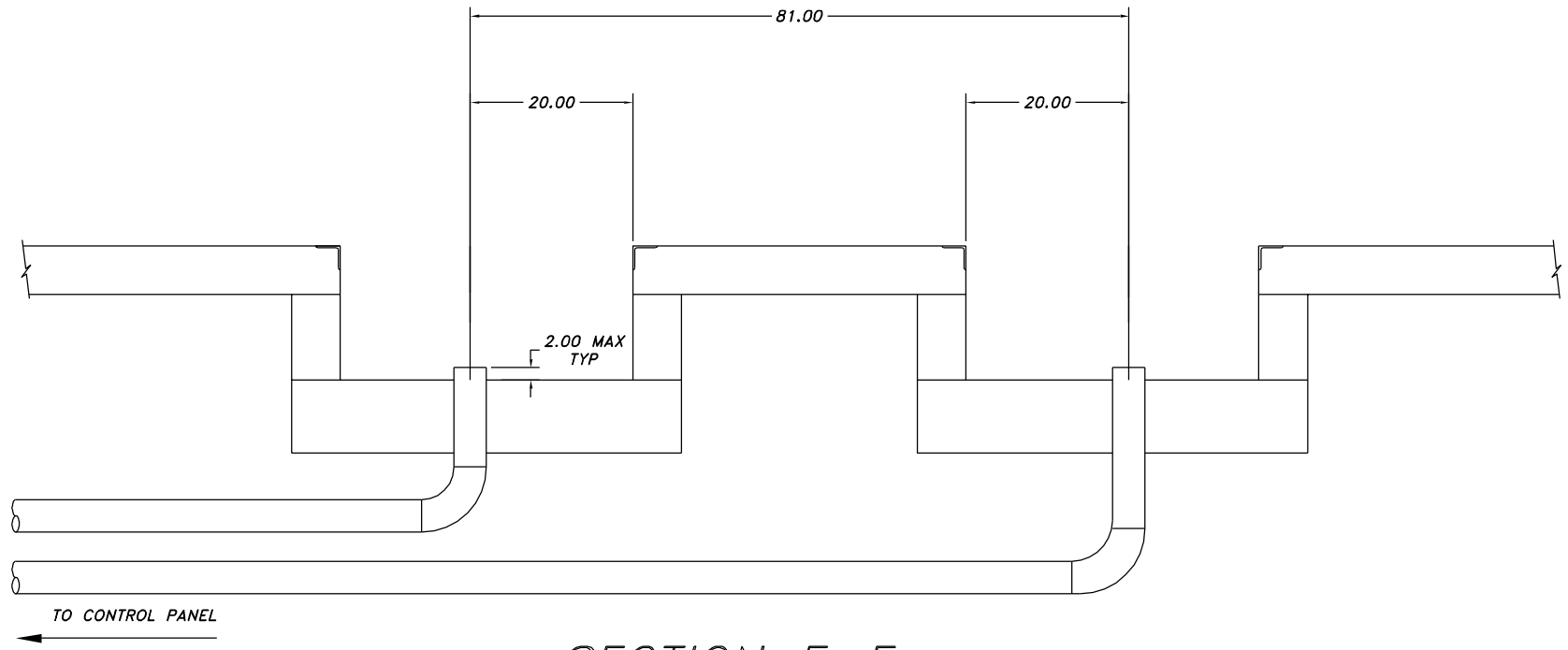
SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT L.B.

MOHAWK RESOURCES LTD.

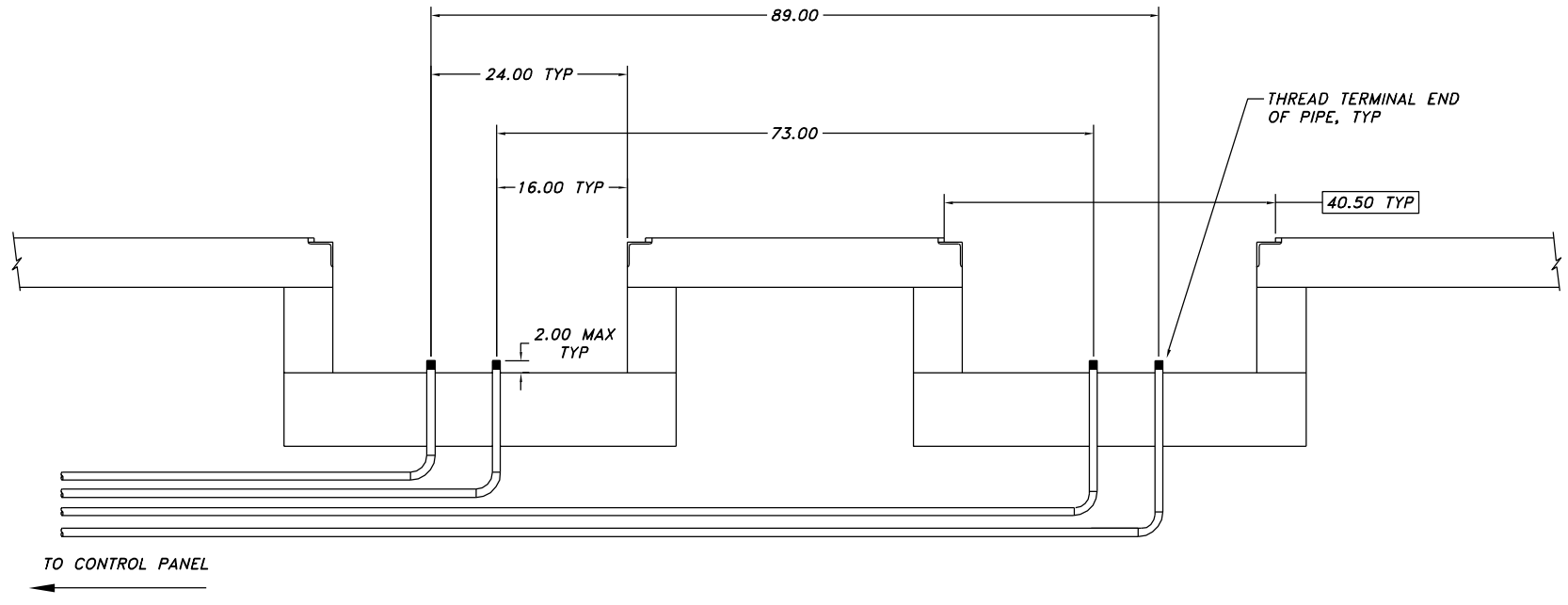
TITLE PIT DRAWINGS & SECTIONS FOR 50-32-F (FLUSH)

FROM | DRAWING NUMBER P-1610-D-001 | △

D-SIZE



SECTION E–E



SECTION F–F

50–32–F
PAGE 6 of 8

D–SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-001

P-1610-A-001

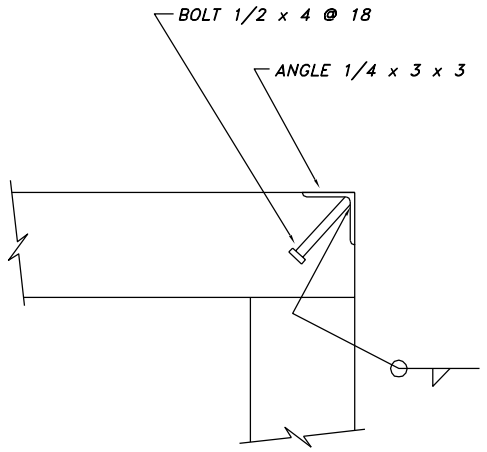
NEXT ASSEMBLY

SCALE NONE | DRAWN dak | CHECKED | APPROVED | DATE 6/11/03 | WEIGHT L.B.

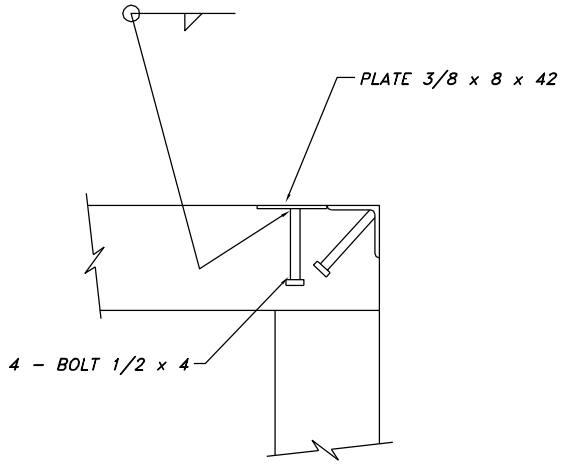
MOHAWK RESOURCES LTD.

TITLE PIT DRAWINGS & SECTIONS FOR 50–32–F (FLUSH)

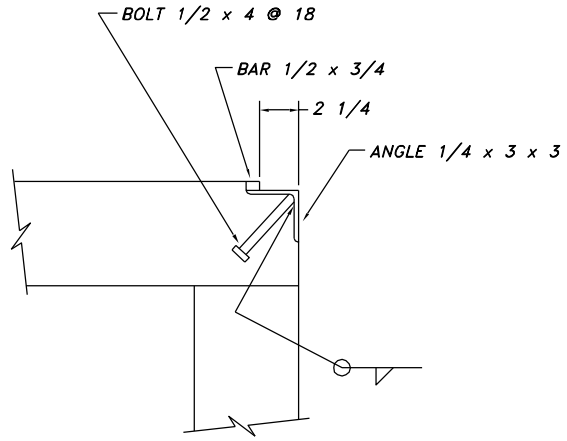
FROM | DRAWING NUMBER P-1610-D-001 | △



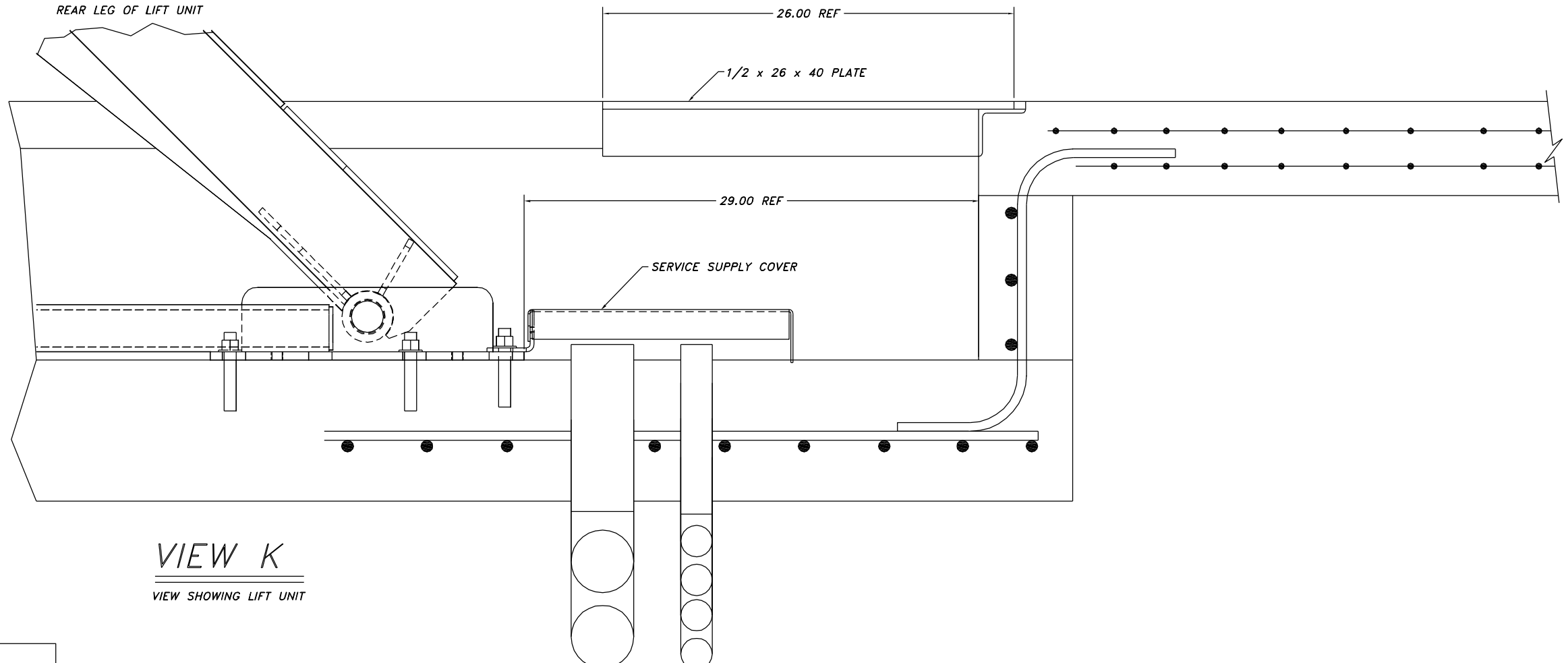
SECTION G



SECTION H



SECTION J



VIEW K

VIEW SHOWING LIFT UNIT

50–32–F
PAGE 7 of 8

D–SIZE

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

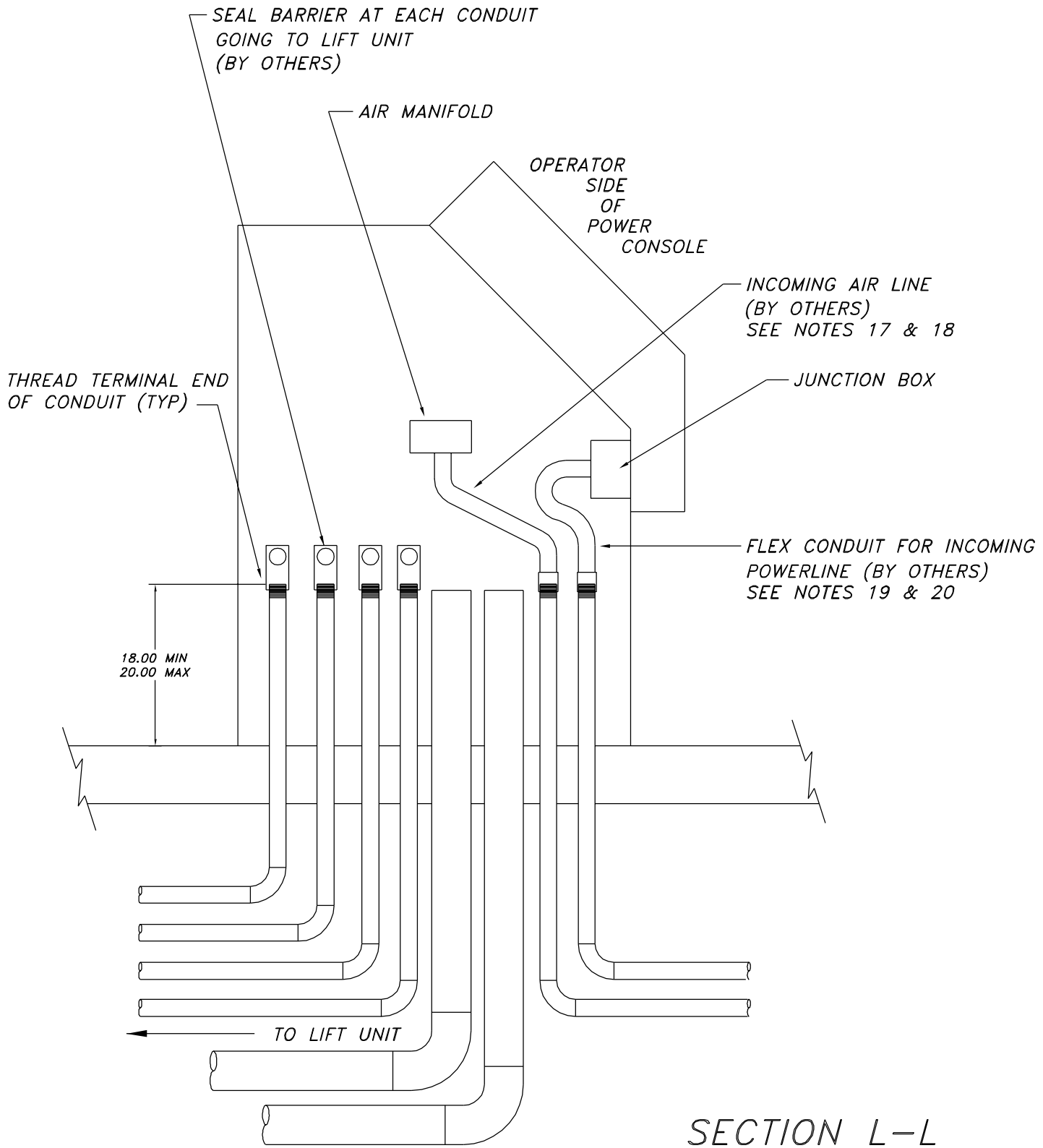
TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P–1610–D–001

P–1610–A–001

NEXT ASSEMBLY

SCALE	DRAWN	MOHAWK RESOURCES LTD.	
NONE	dak		
CHECKED	APPROVED	TITLE PIT DRAWINGS & SECTIONS FOR 50–32–F (FLUSH)	
DATE 6/11/03	WEIGHT LB.	FROM	DRAWING NUMBER P–1610–D–001



SECTION L–L

50–32–F
PAGE 8 of 8

D–SIZE

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70TI CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1.°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P–1610–D–001

P–1610–A–01

NEXT ASSEMBLY

SCALE	DRAWN	MOHAWK RESOURCES LTD.
NONE	dak	
CHECKED	APPROVED	TITLE: PIT DRAWINGS & SECTIONS FOR 50–32–F (FLUSH)
DATE 6/11/03	WEIGHT L.B.	FROM / DRAWING NUMBER P–1610–D–001 △

LIFT DATA TABLE	
MOHAWK RESOURCES, LTD PARALELLOGRAM LIFT MODEL 50–32–FLUSH	
LIFT UNIT DATA	––
MAXIMUM LOAD CAPACITY (LBS)	50,000
ANCHORAGE	––
ANCHOR BOLT DIAMETER (IN.)	3/4"
TOTAL NUMBER OF ANCHOR BOLTS	56
BOLT PATTERN	SEE ANCHOR DETAILS
ANCHOR BOLT SETTING TORQUE	N/A– SEE ANCHOR DETAILS
MINIMUM EMBEDMENT LENGTH (IN.)	3.00
MINIMUM CONCRETE THICKNESS (IN.)	SEE PIT DRAWINGS
HYDRAULIC	––
RESERVOIR CAPACITY (GAL)	30 TOTAL
OIL TYPE	DEXRON III (ATF)
ELECTRICAL	––
MOTOR HORSEPOWER	20
208/230 V 3 PH	60 AMPERE
or 460 V 3 PH	30 AMPERE
CONTROL CIRCUIT TRANSFORMER 1000 VA	7.69 AMP
24 VDC POWER SUPPLY	4.8 AMP
LIGHT FIXTURES (OPTIONAL LIGHTING KIT) QTY	6
SHOP AIR	––
AIR PRESSURE (PSI)	85 to 100
AIR VOLUME– LIFT (CFM)(LOCKS)	5
AIR VOLUME– OPTIONAL ROLLING JACK (CFM)	25 EACH
AIR VOLUME– OPTIONAL SHOP AIR KIT (CFM)	20
AIR VOLUME– TOTAL REQ'D CAPACITY (CFM)	30 MINIMUM
AIR VOLUME– TOTAL REQ'D CAPACITY (CFM)	50 SUGGESTED

REQUIRED MATERIAL LIST

MATERIALS SHOWN ON THIS LIST SHALL BE USED WITHOUT SUBSTITION UNLESS SPECIFICALLY APPROVED IN WRITING BY MOHAWK RESOURCES, LTD.

ITEM	QTY	DESCRIPTION	MATERIAL
12	1	LOCKOUT/TAGOUT DISCONNECT BOX	PER LOCAL ELECTRICAL CODES
11*	AR	LEVELING SHIMS	1/16", 1/8", 1/4" THICK
10*	56	3/4" x 5" ANCHOR BOLT ASSEMBLY	WEJ–IT – WEDGE ANCHORS
9	4	1" SEAL BARRIER	CROUSE – HINDS EYS3
8	4	1–3/4" REDUCER BUSHING	CROUSE – HINDS RE32
7	4	1" SCH 40–90 DEG ELBOW	CROUSE – HINDS EL3
6*	1	JUNCTION BOX (IN CONSOLE)	STEEL
5	AR	SEALTITE FLEXIBLE CONDUIT	METAL CORE
4	AR	1" RIGID CONDUIT	STEEL
3	1	FILTER/LUBRICATOR/REGULATOR, DRYER SHUTOFF	
2	AR	4" SCH 40 STREET ELBOW	STEEL or PVC
1	AR	4" SCH 40 PIPE	STEEL or PVC
		* ITEMS SUPPLIED BY MOHAWK WITH THE LIFT UNIT	

NOTES:
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3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1610-D-002

P-1610-A-001

NEXT ASSEMBLY

SCALE

DRAWN rwv7089

CHECKED

APPROVED

DATE 6/11/03

WEIGHT LB.

MOHAWK RESOURCES LTD.

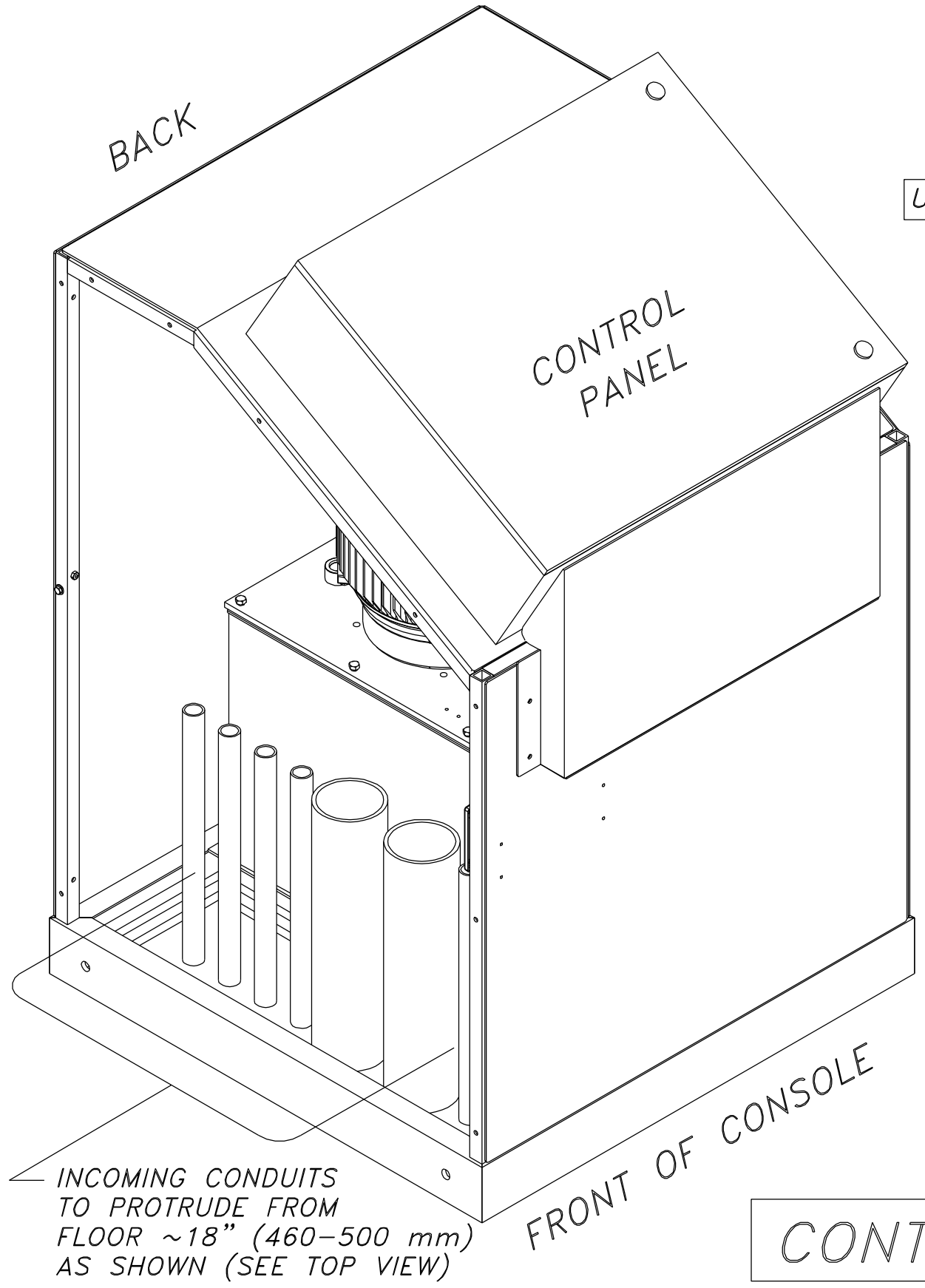
TITLE 50–32–F (Flush) LIFT DATA TABLE

FROM

DRAWING NUMBER P-1610-D-002

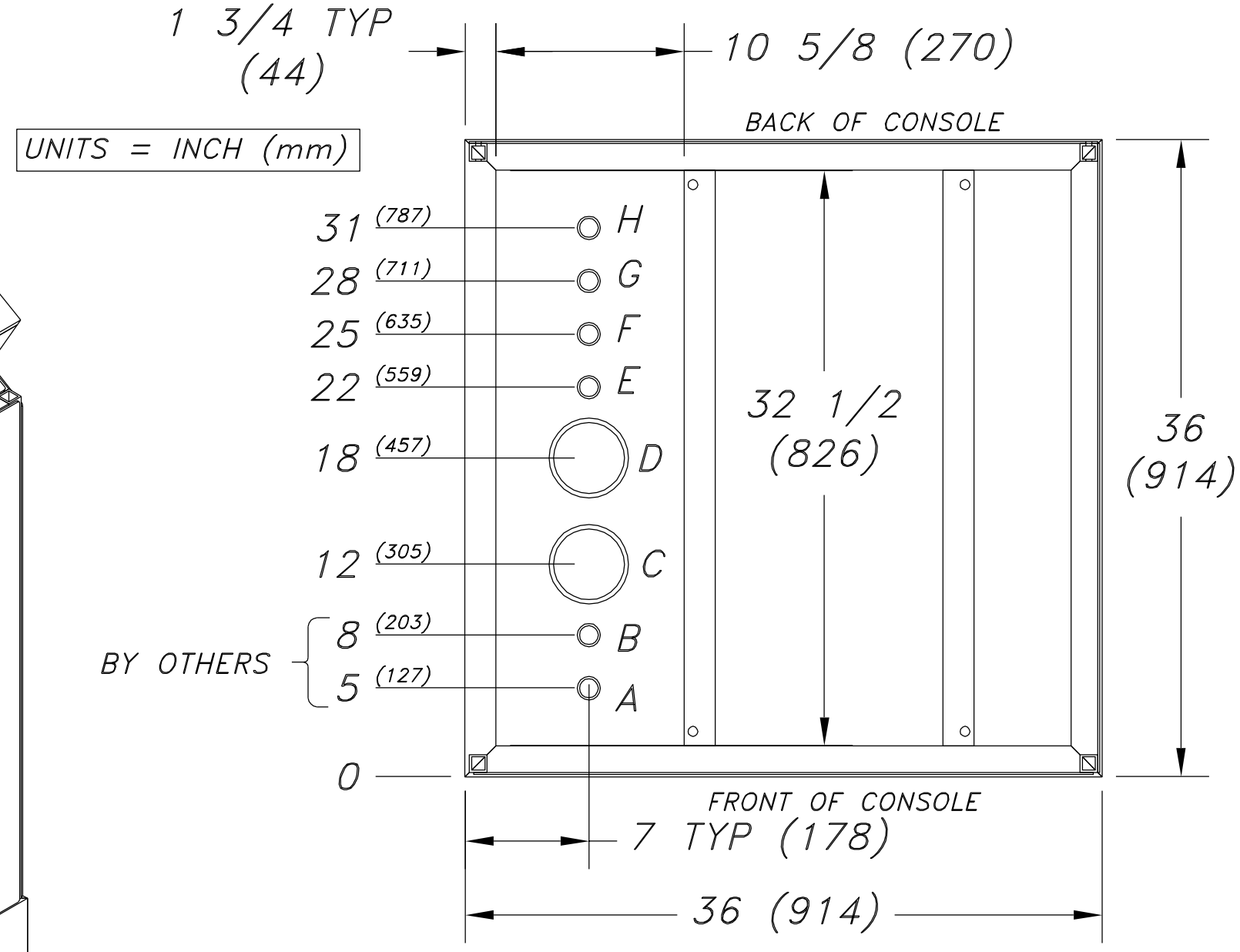
D-SIZE

#	DESCRIPTION	DATE	APPROVED
A	Metric units added	06/22/2004	rwv7089



TOP VIEW OF CONSOLE FRAME

UNITS = INCH (mm)



CONDUIT SIZES & APPLICATION:

A:	1" (MIN) SCHED 40 STEEL PIPE – INCOMING POWER	CUSTOMER PREFERENCE OPTIONAL
B:	1" (MIN) SCHED 40 STEEL PIPE – INCOMING AIRLINE	
C,D:	4" SCHED 40 PVC PIPE – HYDRAULIC & AIR TO LIFT	
E,F,G,H:	1" (MIN) SCHED 40 STEEL PIPE – ELECTRICAL TO LIFT	

* NOTE: USE SMOOTH ELECTRICAL 90'S IN CONDUITS, NOT PLUMBING 90'S !!

CONTROL CONSOLE & STUB-UP DETAILS

NOTES:
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TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-010-D-003

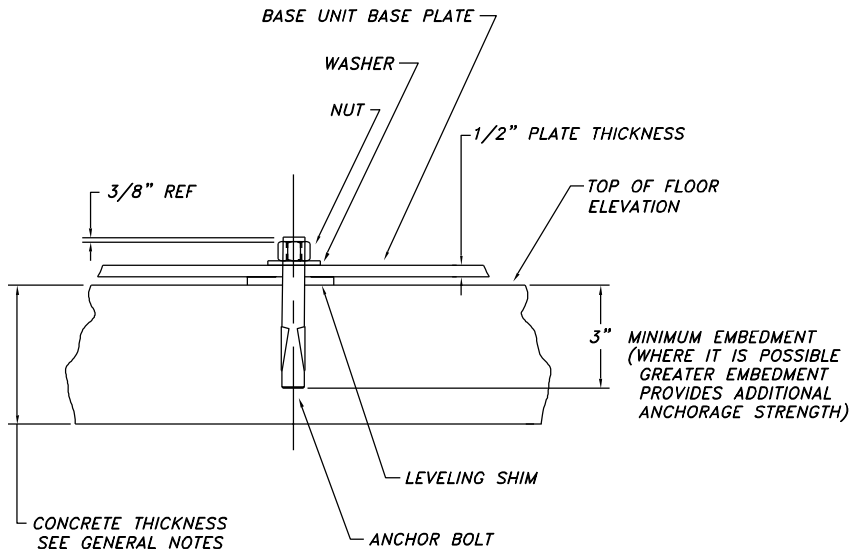
P-010-A-001

NEXT ASSEMBLY

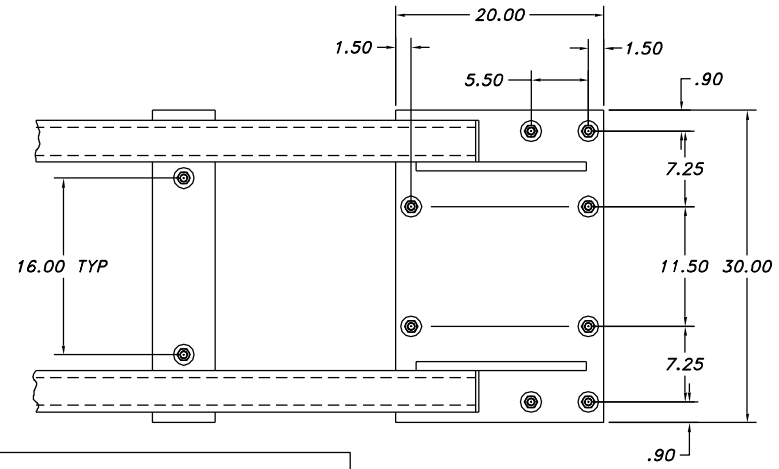
SCALE	DRAWN	MOHAWK RESOURCES LTD.	
	dak		
CHECKED	APPROVED	TITLE CONTROL CONSOLE & STUB-UP DETAILS	
DATE 4/03	WEIGHT L.B.	FROM	DRAWING NUMBER P-010-D-003 A

D-SIZE

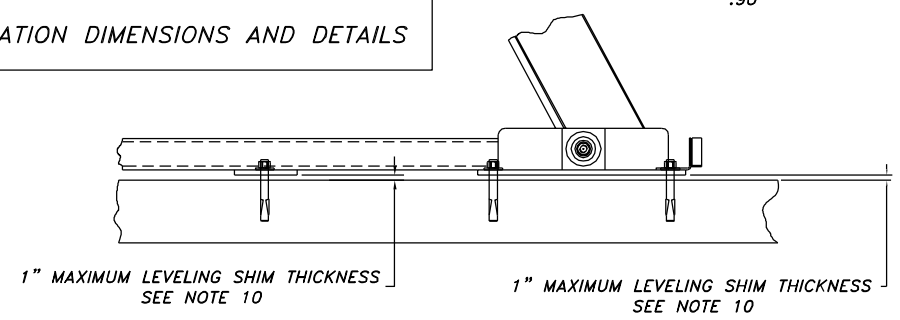
ANCHOR DETAILS & SHIMMING

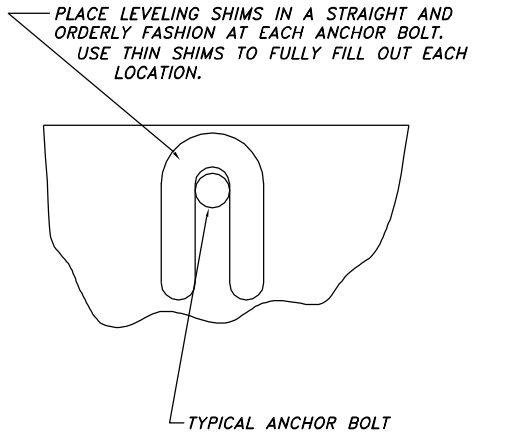


ANCHOR BOLT DETAIL



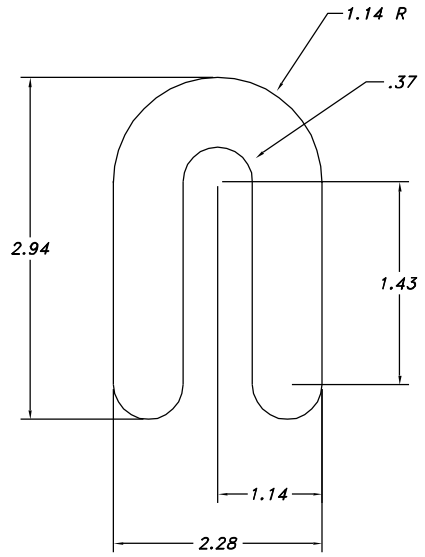
ANCHOR BOLT LOCATION DIMENSIONS AND DETAILS





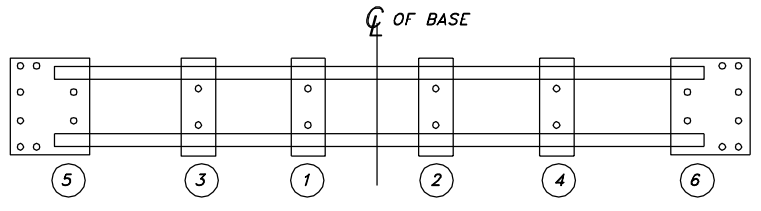
THE MAXIMUM THICKNESS OF ANY STACK OF SHIMS IS 1"
SEE NOTES 9 & 10

PLACEMENT OF LEVELING SHIM DETAIL



LEVELING SHIMS ARE AVAILABLE IN A RANGE OF THICKNESSES FROM 1/16", 1/8", & 1/4"

LEVELING SHIM DETAIL



REPRESENTATIVE TIGHTENING SEQUENCE FOR ANCHOR BOLTS

TIGHTENING FROM CENTER OF BASE OUTWARD

APPROVED ANCHOR BOLTS PROVIDED BY MOHAWK LIFT

ANCHOR BOLTS ARE MANUFACTURED BY

WEJ-IT FASTENING SYSTEMS
2415 EAST 13TH PLACE
TULSA, OKLAHOMA 74104

PHONE 918-744-7444
OR 800-343-1264

WEB SITE WWW.WEJIT.COM

ANCHORS SPECIFIED ARE: "THE ORIGINAL WEJ-IT" EXPANSION ANCHORS, 3/4 DIA

CATALOG NUMBER	LENGTH
3460	6"
3482	8 1/2"
3410	10"

NO OTHER ANCHOR BOLT SUBSTITUTIONS ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM MOHAWK RESOURCES, LTD. UNDER CERTAIN CIRCUMSTANCES EPOXY GROUTED THREADED ROD ANCHORAGE MAY BE USED BUT ANY USE OF SUCH REQUIRES WRITTEN APPROVAL OF MOHAWK RESOURCES, LTD. ANY OTHER UNAPPROVED ANCHOR BOLT PRODUCT MAY NOT HAVE THE DOCUMENTED STRENGTH TO MEET THE CERTIFICATION REQUIREMENTS OF THE AUTOMOTIVE LIFT INSTITUTE AND MAY AFFECT THE CERTIFICATION OF THE INSTALLATION.

INSTALLATION INSTRUCTIONS

1. DRILL THE HOLE PERPENDICULAR TO THE WORK SURFACE. *TO ASSURE FULL HOLDING POWER, DO NOT REAM THE HOLE OR ALLOW THE DRILL TO WOBBLE.

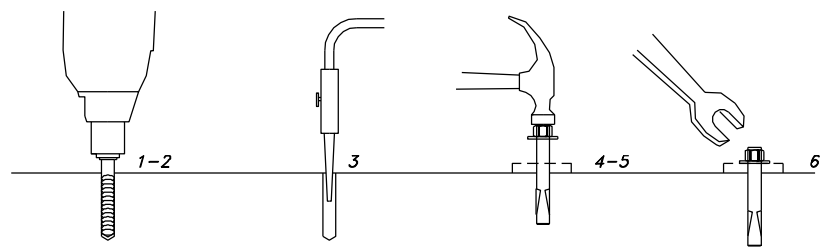
2. DRILL THE HOLE DEEPER THAN THE INTENDED EMBEDMENT OF THE ANCHOR, BUT NOT CLOSER THAN TWO ANCHOR DIAMETERS TO THE BOTTOM (OPPOSITE) SURFACE OF THE CONCRETE.

3. CLEAN THE HOLE USING COMPRESSED AIR AND A NYLON BRUSH. A CLEAN HOLE IS NECESSITY FOR PROPER PERFORMANCE.

4. TURN THE NUT ONTO THE ANCHOR UNTIL CONTACT IS MADE WITH THE TOP OF THE SPEARS AND THE BOTTOM OF THE WASHER. INSERT ANCHOR INTO HOLE.

5. TAP ANCHOR INTO HOLE WITH A 2 1/2 LBS HAMMER UNTIL WASHER RESTS SOLIDLY AGAINST FIXTURE.

6. TIGHTEN THE NUT TO 175 FT-LBS MAXIMUM TORQUE AND NOT LESS THAN 3 FULL TURNS, BUT NOT MORE THAN 5 TURNS PAST THE HAND TIGHT POSITION. (USE OF AN IMPACT WRENCH FOR INSTALLATION OF ANCHORS IS NOT RECOMMENEDED)



*ALWAYS WEAR SAFETY GLASSES. FOLLOW THE DRILL MANUFACTURER'S SAFETY INSTRUCTIONS. USE ONLY SOLID CARBIDE-TIPPED DRILL BITS MEETING ANSI B212.15 DIAMETER STANDARDS.

NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

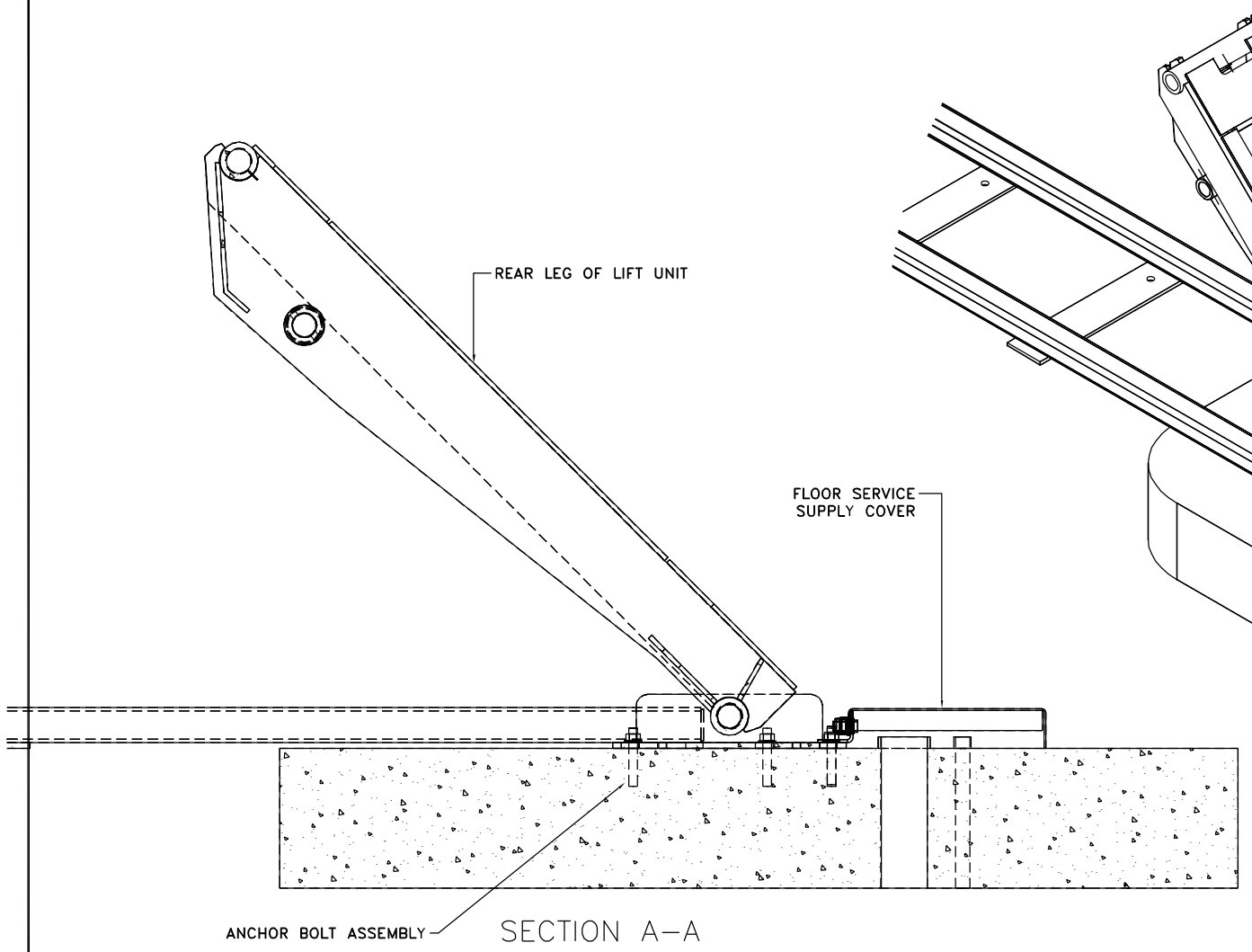
FILE NAME P-010-D-004

P-010-A-001

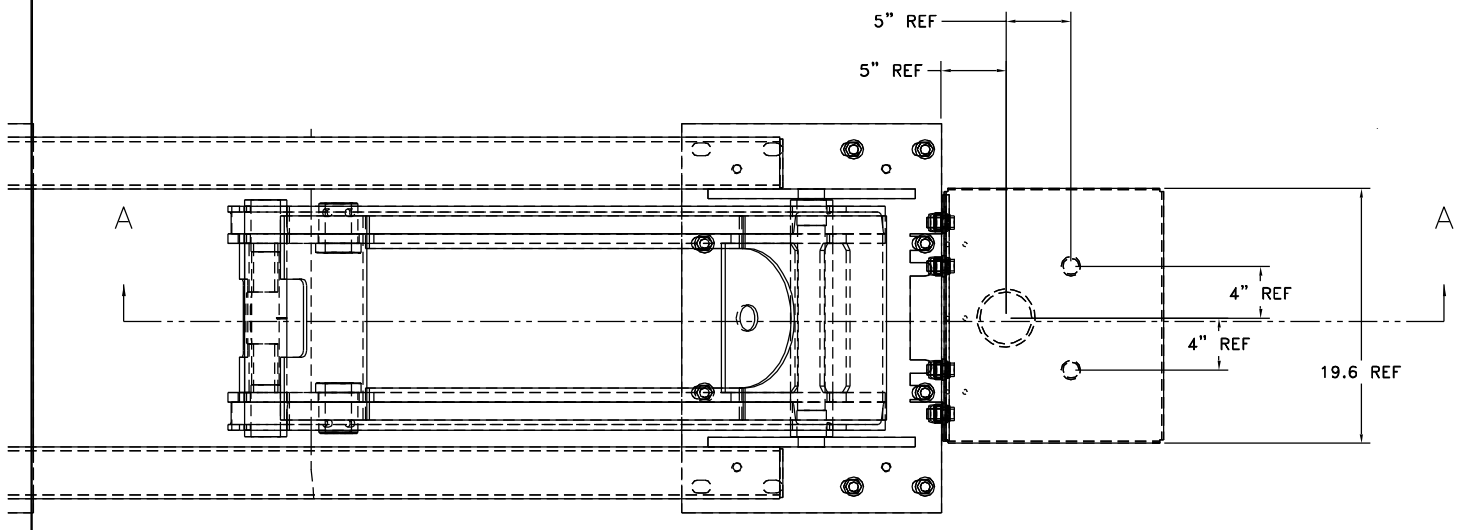
NEXT ASSEMBLY

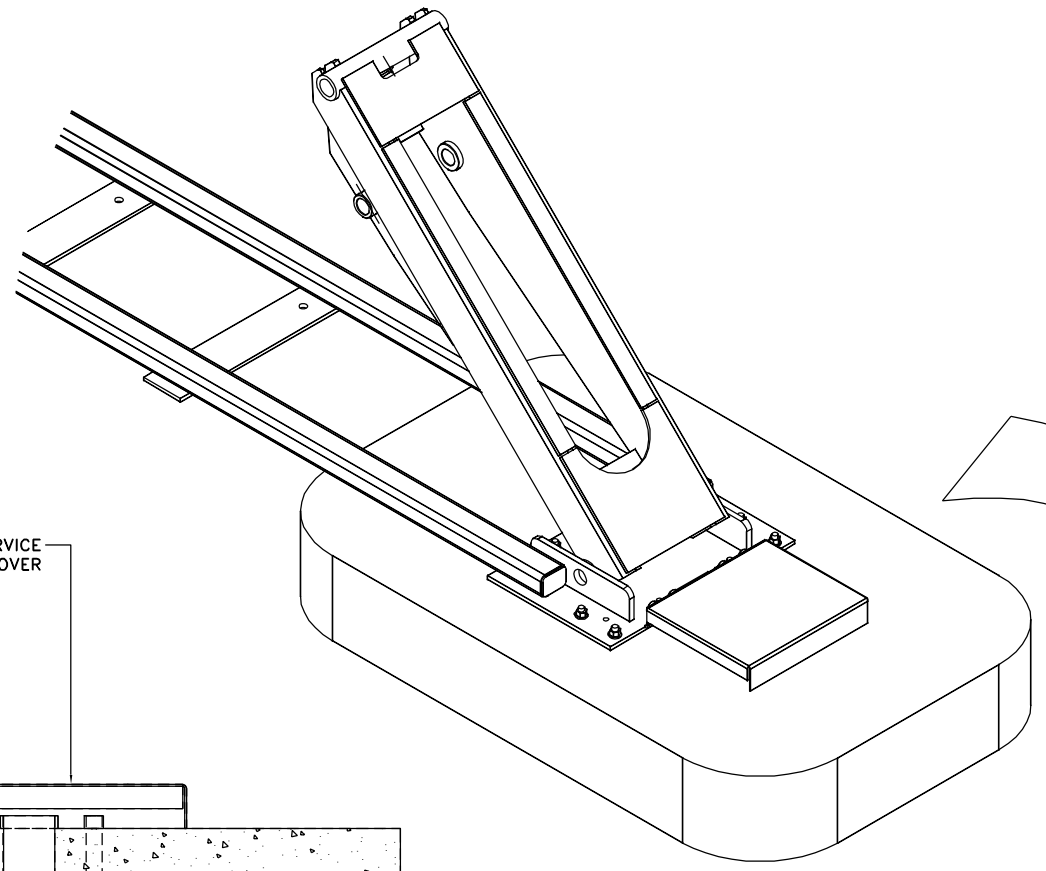
SCALE	DRAWN	MOHAWK RESOURCES LTD.
	dak	
CHECKED	APPROVED	TITLE: ANCHOR DETAILS & SHIMMING
DATE 4/03	WEIGHT L.B.	FROM / DRAWING NUMBER P-010-D-004

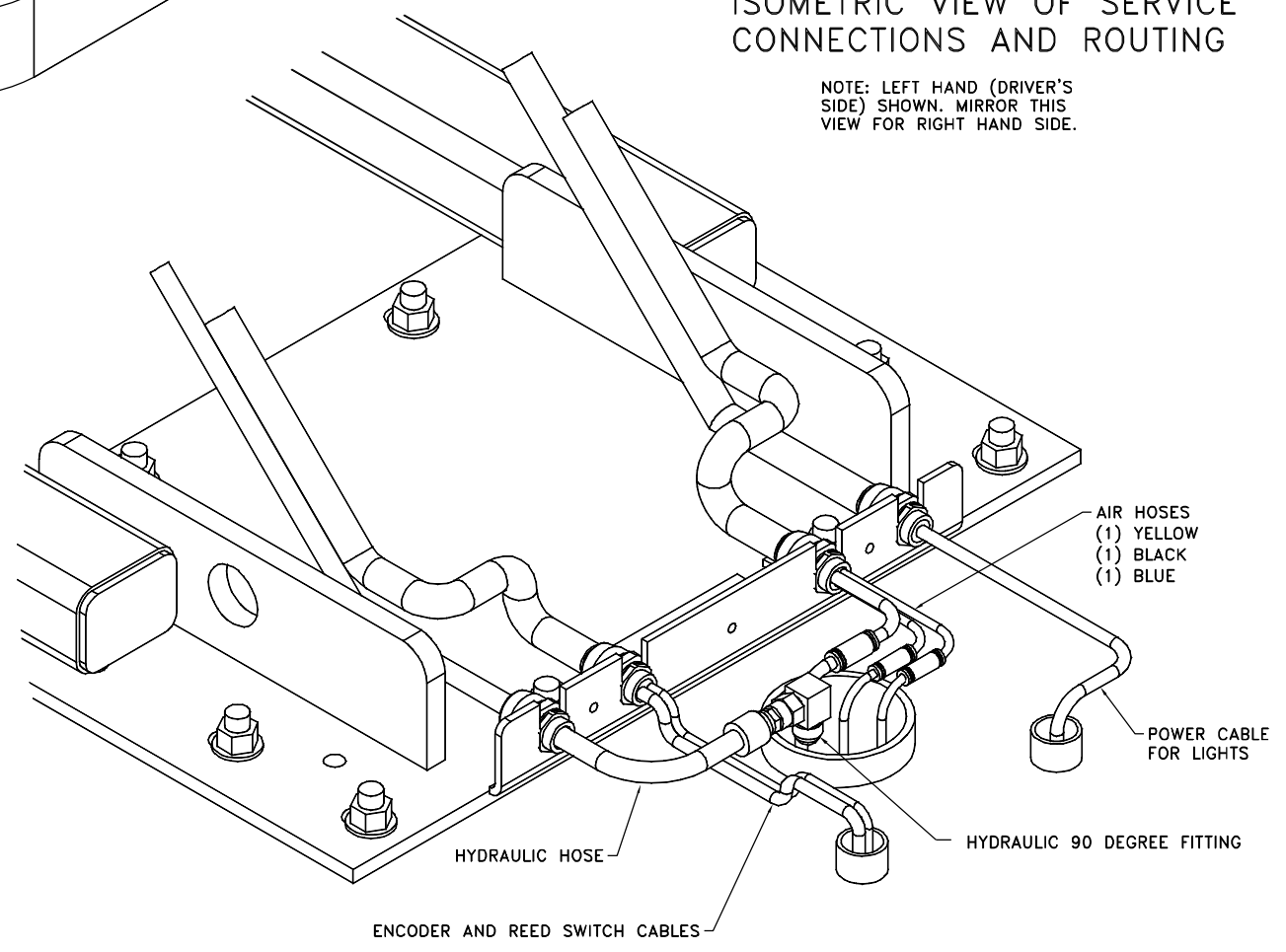
D-SIZE



SECTION A–A







ISOMETRIC VIEW OF SERVICE CONNECTIONS AND ROUTING

NOTE: LEFT HAND (DRIVER'S SIDE) SHOWN. MIRROR THIS VIEW FOR RIGHT HAND SIDE.

NOTES:
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3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1 °
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-010-D-005

P-010-A-001

NEXT ASSEMBLY

SCALE 1/8 | DRAWN rwv7089 | CHECKED | APPROVED | DATE 4/15/03 | WEIGHT n/a LB. | FROM n/a

MOHAWK RESOURCES LTD.

TITLE *Parallelogram Installation Service Leg Conduit Details*

DRAWING NUMBER P-010-D-005

D-SIZE

GENERAL NOTES

NOTE 1
CONCRETE USED FOR THE BASE AND THE SIDE WALLS OF EACH TRENCH AND ANY OTHER NEW CONCRETE WHICH IS USED FOR THIS INSTALLATION MAY HAVE A MINIMUM STRENGTH OF F'c=2,500 psi, A STRENGTH OF F'c=4,000 psi IS RECOMMENDED WHERE POSSIBLE.

NOTE 2
CONCRETE USED FOR THE BASE AND SIDEWALLS OF THE TRENCH AREAS SHALL REACH ITS FULL 28 DAY F'c STRENGTH BEFORE THE LIFT AND THE ANCHOR BOLTS ARE INSTALLED.

NOTE 3
CONCRETE REINFORCEMENT SIZES AND REINFORCEMENT SPECIFICATION FOR THE BASE OF EACH TRENCH SHALL BE DETERMINED BY AN ENGINEER OR ARCHITECT (AT THE EXPENSE OF THE PURCHASER) AND SHOULD BE DETERMINED CONSIDERING THE LOCAL SOIL CONDITIONS AND THE APPLIED LOADING. AS A MINIMUM, GRADE 60 REINFORCEMENT OF THE SIZE AND SPACING SHOWN ON THE DRAWINGS SHALL BE USED.

NOTE 4
CONCRETE REINFORCEMENT SPECIFICATIONS FOR THE FLOOR AREA AROUND THE TRENCHES SHALL BE DETERMINED BY AN ENGINEER OR ARCHITECT (AT THE EXPENSE OF THE PURCHASER) AND SHOULD BE DETERMINED CONSIDERING THE LOCAL SOIL CONDITIONS AND THE APPLIED LOADING. AS A MINIMUM, TWO LAYERS OF GRADE 60, 6X6-10/10 WELDED WIRE FABRIC SHOULD BE USED IN THE VICINITY OF THE LIFT UNIT AND BETWEEN THE TRENCHES.

NOTE 5
THE REINFORCING STEEL USED IN THE BASE OF THE TRENCHES SHALL BE INSTALLED SO AS TO NOT INTERFERE WITH THE ANCHOR BOLTS USED TO ATTACH THE LIFT UNIT.

NOTE 6
WEJ-IT FASTENING SYSTEMS, AT WEDGE ANCHORS ARE PROVIDED WITH THE LIFT FOR ANCHORING THE LIFT UNIT TO THE FLOOR SYSTEM. THE NUMBER AND THE SIZE OF ANCHOR BOLTS SPECIFIED IN THE DRAWING MUST BE USED TO ATTACH THE LIFT UNIT. ANCHOR BOLTS OF FULL LENGTH MUST BE USED IN ALL LOCATIONS PROVIDED ON THE BASE OF THE LIFT UNIT.

NOTE 7
CARE MUST BE TAKEN TO ENSURE THAT THE SIDE WALLS OF THE TRENCH ARE PARALLEL AND STRAIGHT. APPROXIMATELY 1 1/2 OF CLEARANCE IS PROVIDED ALONG THE SIDES OF THE RUNWAYS.

NOTE 8
SLOPE THE BOTTOM OF THE TRENCH 1/16 INCH PER FOOT TOWARD THE DRAINAGE CHANNEL. SLOPE THE DRAINAGE CHANNEL 1/16 INCH PER FOOT TOWARD THE CATCH BASIN.

NOTE 9
CARE MUST BE TAKEN TO ENSURE THAT THE BASE OF THE TRENCH AREAS ARE AT THE PROPER ELEVATION. A MAXIMUM OF ONE INCH ADJUSTMENT (SHIMMING) IS PERMITTED FOR INSTALLATION LEVELING.

NOTE 10
WHERE MORE THAN 3/4 INCH OF SHIM LEVELING IS REQUIRED, FULL SUPPORT PLATE CONTACT SHIMS ARE AVAILABLE AT ADDITIONAL COST. THE FULL CONTACT SHIM PLATES SHALL THEN BE ACCURATELY LEVELED USING INDIVIDUAL ANCHOR BOLT SHIMS. INDIVIDUAL ANCHOR BOLT SHIMS ARE AVAILABLE IN A RANGE OF THICKNESSES FROM 1/16 INCH TO 1/4 INCH.

NOTE 11
NO EMBEDDED PLUMBING, TUBES, CONDUITS OR OTHER ITEMS, EXCEPT THE LIFT UNIT SERVICE LEG CONDUITS SHALL BE CLOSER THAN 16 INCHES FROM ANY ANCHOR BOLT. ALSO, THE SERVICE LEG CONDUITS SHALL BE INSTALLED ACCURATELY IN THE LOCATIONS SHOWN IN THE PLAN AND DETAIL VIEWS TO MINIMIZE THE EFFECT ON THE ANCHORAGE.

NOTE 12
PROVIDE TWO, 4 INCH SCH 40 PVC PIPE AS A HYDRAULIC-PNEUMATIC SERVICE SUPPLY CONDUIT RUNNING FROM THE POWER UNIT TO EACH SERVICE LEG.

NOTE 13
PROVIDE 4, 1 INCH SCH 40 STEEL CONDUITS AS ELECTRICAL SERVICE SUPPLY RUNNING FROM THE POWER UNIT TO THE SERVICE LEGS. THESE CONDUITS SHALL BE INSTALLED AS SHOWN ON THE SECTION VIEWS AND MUST BE INSTALLED ACCORDING TO APPLICABLE ELECTRICAL CODES.

NOTE 14
ONE 4 INCH SCH 40 PVC DRAIN PIPE SHOULD BE PROVIDED TO CARRY DRAINAGE FROM THE CATCH BASINS TO AN OIL-WATER SEPARATOR. THIS PIPE SHOULD SLOPE A MINIMUM OF 1/16 INCH PER FOOT TOWARD THE DESTINATION.

NOTE 15
PROVIDE TEMPORARY CAPS FOR ALL CONDUITS AND EMBEDDED PIPES. IT IS RECOMMENDED TO LEAVE PULL ROPES IN CONDUITS FOR EASE OF LIFT INSTALLATION.

NOTE 16
THE CONTROL CONSOLE MUST BE LOCATED IN THE VICINITY OF THE LIFT. IT SHOULD BE PLACED FAR ENOUGH AWAY FROM THE LIFT TO ALLOW FOR ACTIVITIES AROUND THE LIFT. THE ENCLOSED DRAWINGS SHOW THE CONSOLE IN A STANDARD POSITION. THE CONTROL CONSOLE MAY BE LOCATED ON EITHER SIDE AND ANYWHERE ALONG THE LENGTH OF THE LIFT, BUT ANY DEVIATIONS FROM THE ENCLOSED DRAWINGS MAY REQUIRE LONGER CABLES, HOSES, CONDUIT, ETC. AT ADDITIONAL EXPENSE TO THE PURCHASER.

NOTE 17
THE LIFT UNIT REQUIRES CLEAN DRY COMPRESSED AIR AT THE PRESSURE AND VOLUME SHOWN ON THE LIFT UNIT DATA TABLE. A FILTER/LUBRICATOR/REGULATOR IS SUPPLIED WITH THE LIFT UNIT FOR THE LOCKING SYSTEM ONLY. A FILTER/LUBRICATOR/REGULATOR, AIR DRYER AND SHUTOFF VALVE MUST BE PROVIDED FOR THE LIFT UNIT TO OPERATE THE OPTIONAL ACCESSORIES. THE REQUIRED VOLUME OF AIR SHOWN IN THE LIFT UNIT DATA TABLE RECOGNIZES THAT NOT MORE THAN ONE AUXILIARY AIR CONSUMER WILL BE USED SIMULTANEOUSLY.

NOTE 18
PROVIDE ONE, 1 INCH SCH 40 RIGID STEEL CONDUIT AS A COMPRESSED AIR SUPPLY. THIS CONDUIT IS SHOWN UNDERGROUND, ALTERNATIVELY IT MAY BE BROUGHT TO THE CONTROL PANEL OVERHEAD DEPENDING ON CUSTOMER PREFERENCE. IF BROUGHT OVERHEAD, PROVIDE FLEX CONDUIT CONNECTING THE TERMINAL END OF THE CONDUIT TO THE CONTROL CONSOLE.

NOTE 19
THE LIFT UNIT REQUIRES A HIGH VOLTAGE POWER SOURCE. A LOCKOUT/TAGOUT ELECTRICAL DISCONNECT BOX MUST BE PROVIDED FOR THE POWER SOURCE. THE LOCKOUT/TAGOUT DISCONNECT BOX MUST BE INSTALLED ACCORDING TO APPLICABLE ELECTRICAL CODES. THIS ELECTRICAL DISCONNECT IS TO BE PROVIDED BY OTHERS.

NOTE 20
PROVIDE ONE, 1 INCH SCH 40 RIGID STEEL CONDUIT AS ELECTRICAL SERVICE SUPPLY RUNNING FROM THE BUILDING POWER SOURCE TO THE CONTROL CONSOLE. THIS CONDUIT IS SHOWN UNDERGROUND, ALTERNATIVELY IT MAY BE BROUGHT TO THE CONTROL PANEL OVERHEAD DEPENDING ON CUSTOMER PREFERENCE. PROVIDE A LOCKOUT/TAGOUT ELECTRICAL DISCONNECT BOX WITHIN SIGHT AND AS CLOSE TO THE CONTROL CONSOLE AS IS PRACTICAL. THIS ELECTRICAL SUPPLY CONDUIT AND DISCONNECT BOX MUST BE INSTALLED ACCORDING TO LOCAL ELECTRICAL CODE REQUIREMENTS.

NOTE 21
ALL FLOOR REQUIREMENTS ARE BASED ON A CONCRETE SLAB THAT IS ON GRADE (SUPPORTED BY SOIL). ANY OTHER TYPE OF INSTALLATION INVOLVING A SLAB NOT ON GRADE (I.E.-SLAB SUPPORTED BY PYLONS, SECOND STORY SLAB, ETC.) MUST BE REVIEWED & ANALYZED FOR SUITABILITY BY THE BUILDING ARCHITECT, AT THE EXPENSE OF OTHERS.

FLUSH LIFTS ONLY

D-SIZE

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TOLERANCES:
ANGULAR ± 1.°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME P-1010-D-006

P-1010-A-001

NEXT ASSEMBLY

SCALE

DRAWN rwv7089

CHECKED

APPROVED

DATE 5/03

WEIGHT LB.

MOHAWK RESOURCES LTD.

TITLE FLUSH INSTALLATION GENERAL NOTES

FROM

DRAWING NUMBER P-1010-D-006