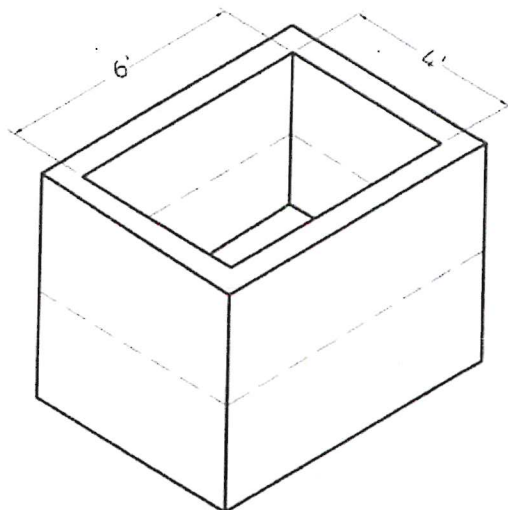
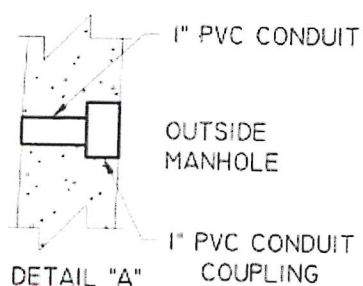


1. MANHO001 - MANHOLE, 6' X 4' X 6' RECTANGULAR PRECAST CONCRETE, REINFORCED FOR HS-20 BRIDGE LOAD



ALTERNATE OPENING

NOTES #1
DETAILS OF REQUIRED
OPENINGS WILL BE PROVIDED
WITH PURCHASE ORDER.

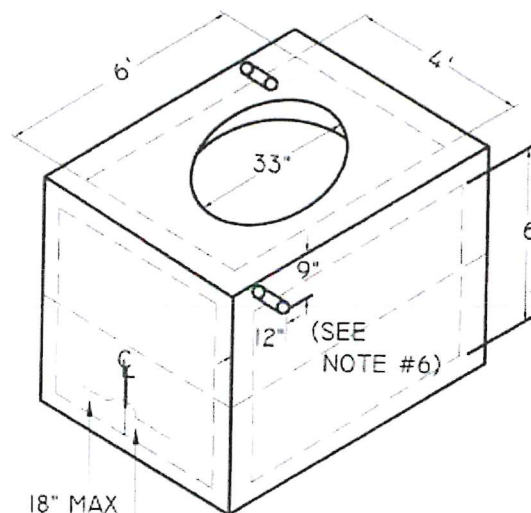
NOTE #2
TWO PIECE CONSTRUCTION
REQUIRED WITH BOTTOM.

NOTE #3
DRAWING SHOWS INTERIOR
DIMENSIONS.

NOTE #4
REINFORCED FOR HS-20
BRIDGE LOAD.

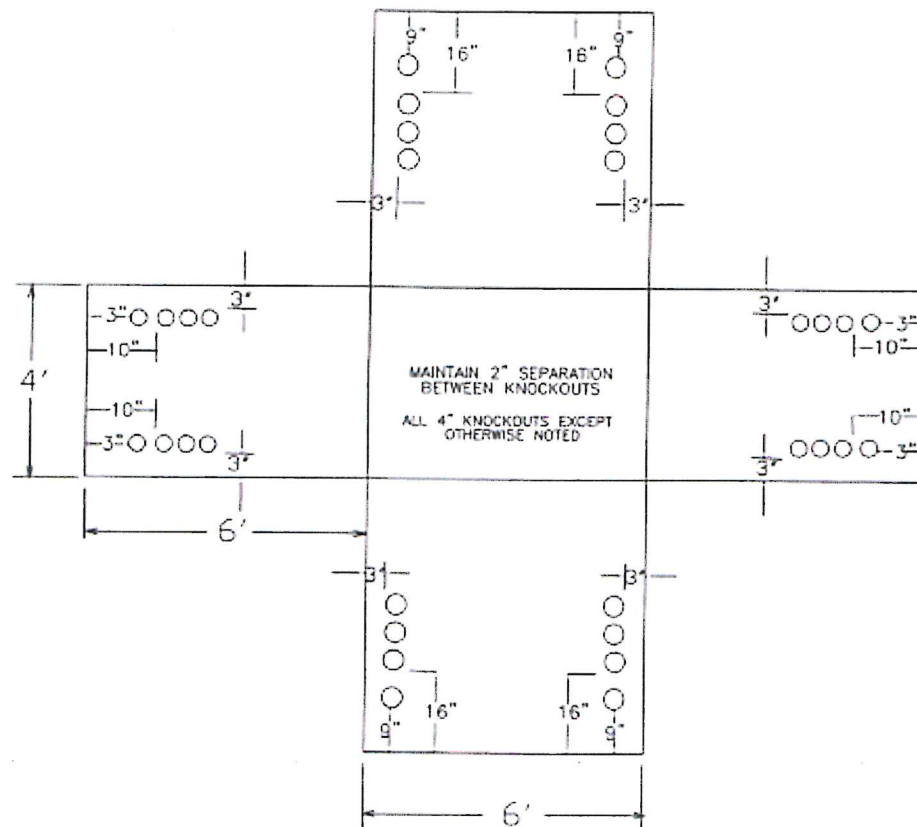
NOTE #5
12" DIA., 4" DEEP SUMP-PUMP
HOLE CENTER UNDER ENTRANCE
OPENING.

NOTE #6
SLEEVE HOLES IN DIAGONAL CORNERS
AS SHOWN IN DETAIL "A".



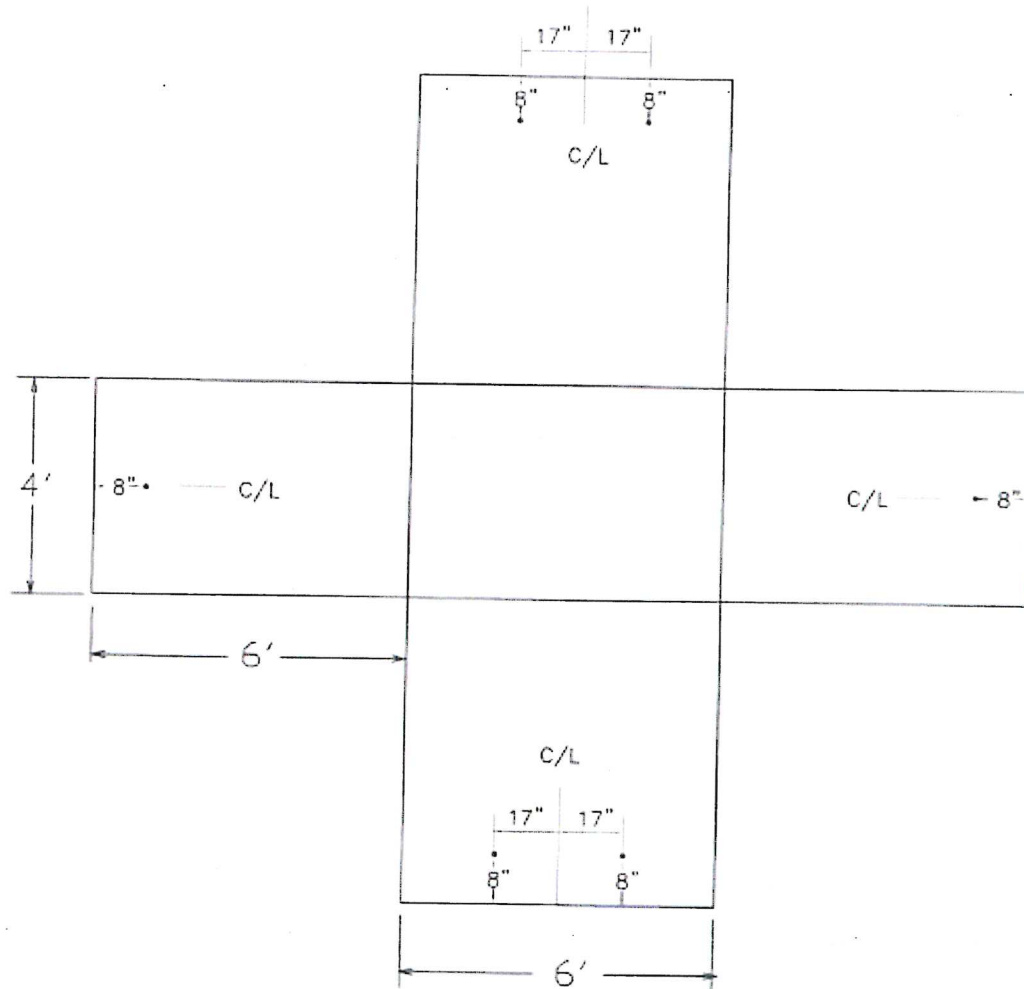
STANDARD OPENING

DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE					ITEM ID	MANHO001
REVISED BY:	JEA				DMD NO.	DMD-20
SGL					SHEET NO.	1 OF 3
DATE:	REVIEWED BY:	DATE:	APPROVED BY:	DATE:		
REV. 1/8/92						



JEA STANDARD MANHOLE
CONDUIT STUBOUT
4'x6'x6'HR
(6x9 use the same template)

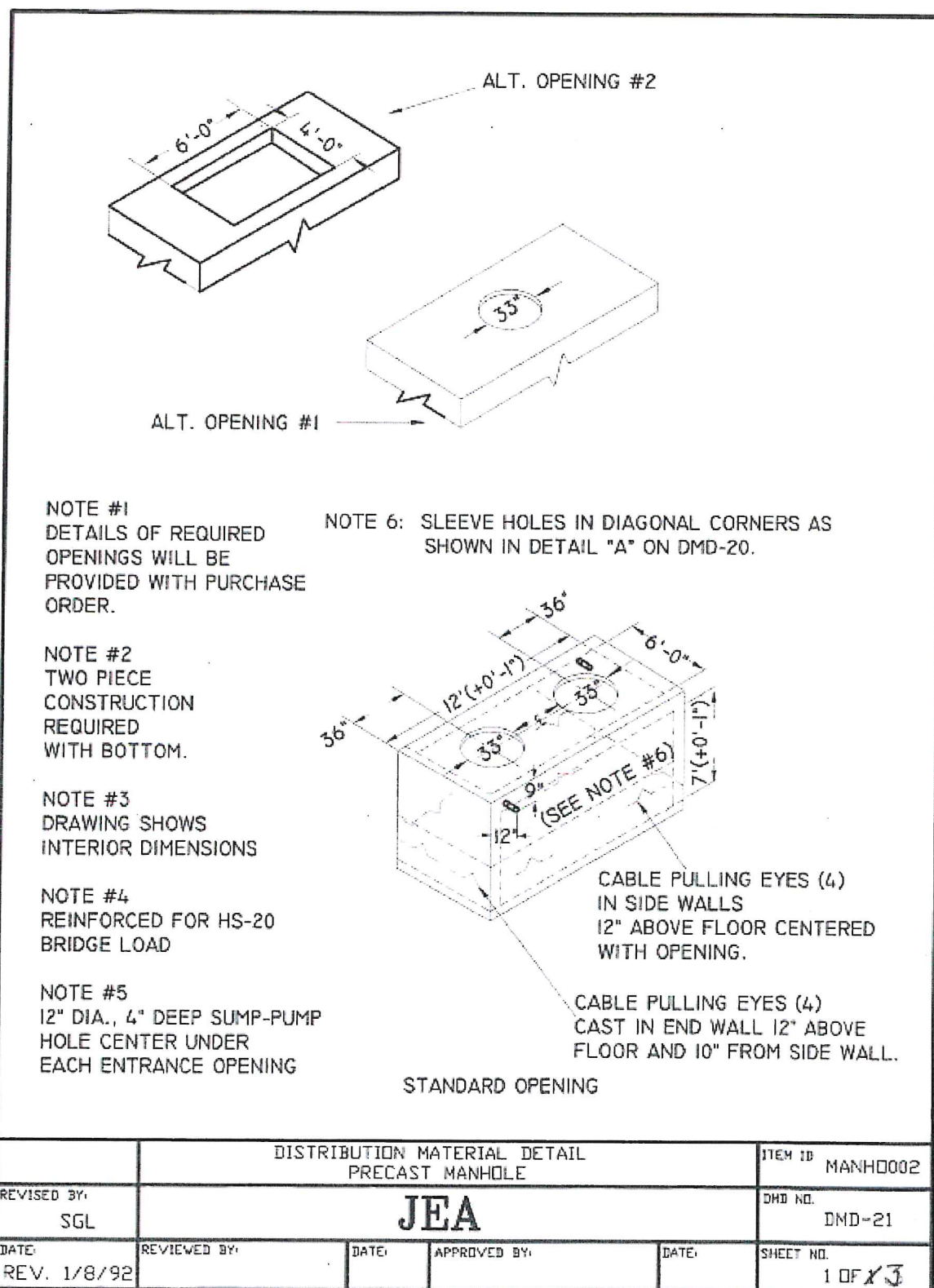
DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE				ITEM ID	MANH001
REVISED BY: SGL	JEA				EMD NO. DMD-20
DATE: 7/5/05					SHEET NO. 2 OF 3
REVIEWED BY:	DATE:	APPROVED BY:	DATE:		

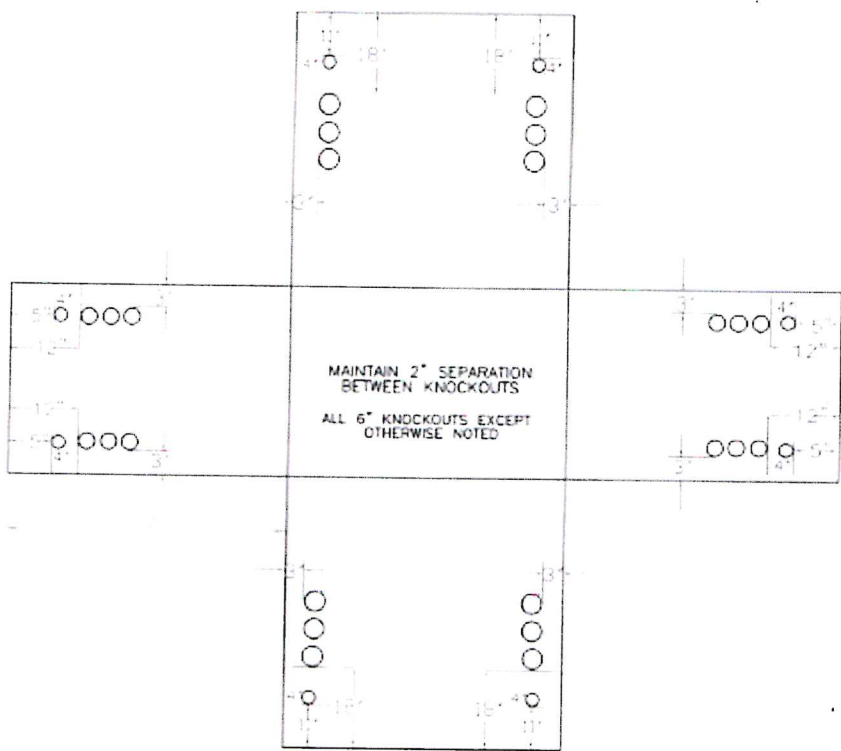


JEA STANDARD MANHOLE
BOLT ANCHOR LAYOUT
4'x6'x6'HR
(6x9 use the same template)

DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE		ITEM ID	MANH0001
REVISED BY: SGL	JEA		DMD NO. DMD-20
DATE: 7/5/05			SHEET NO. 3 OF 3
REVIEWED BY:	DATE:	APPROVED BY:	DATE:

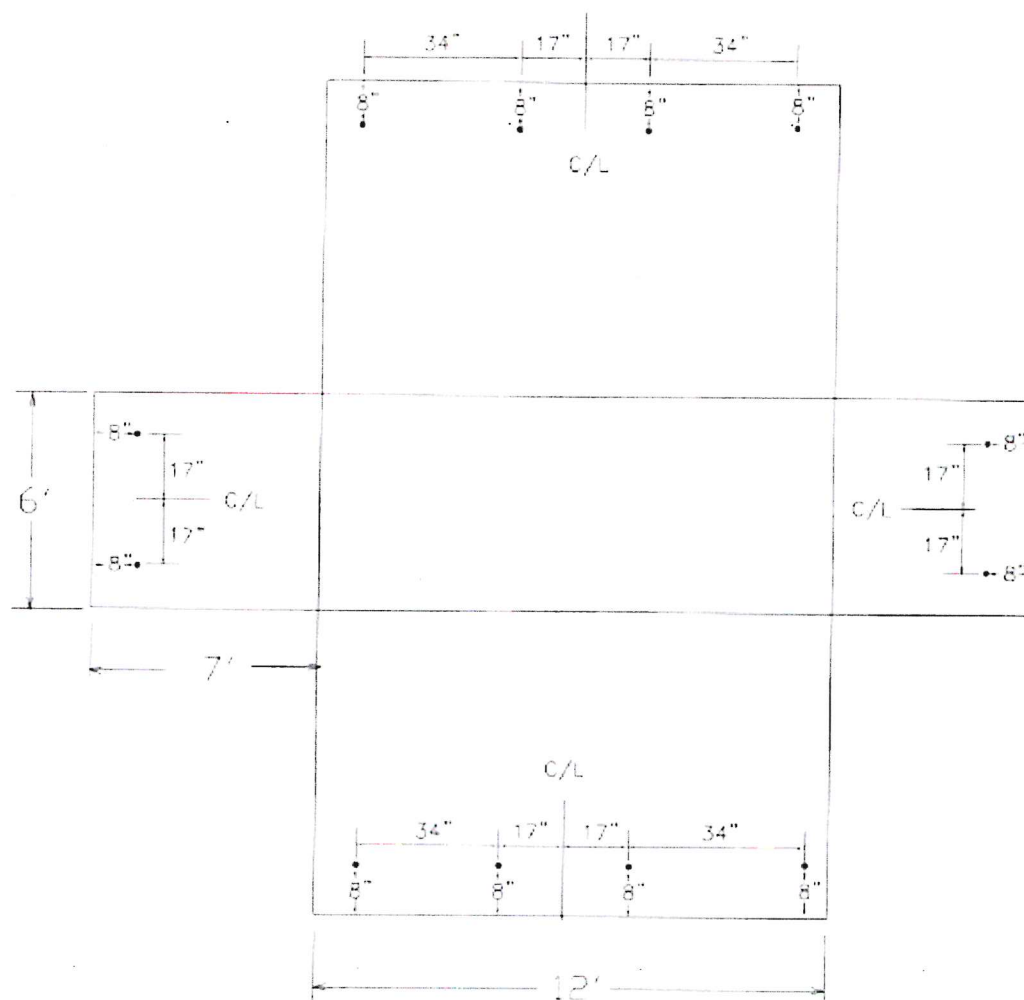
2. MANHO002 - MANHOLE, 12' X 6' X 7' RECTANGULAR PRECAST CONCRETE, REINFORCED FOR HS-20 BRIDGE LOAD





JEA STANDARD MANHOLE
CUTOUT TEMPLATE
6'x12'x7'HR

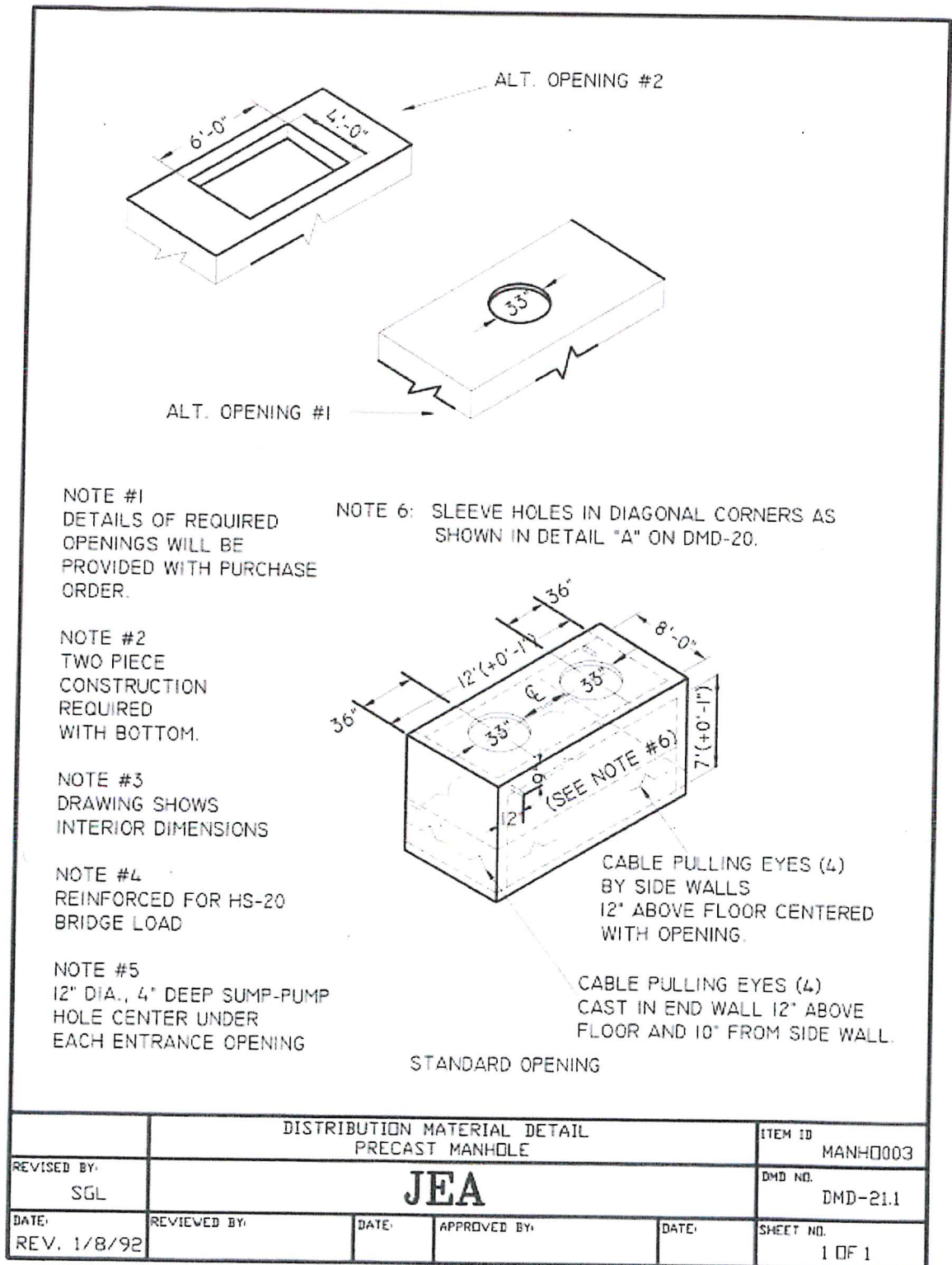
DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE					ITEM ID MANHD002
REVISED BY: SGL	JEA				DMD NO. DMD-21
DATE: 7/5/05	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 2 OF 3



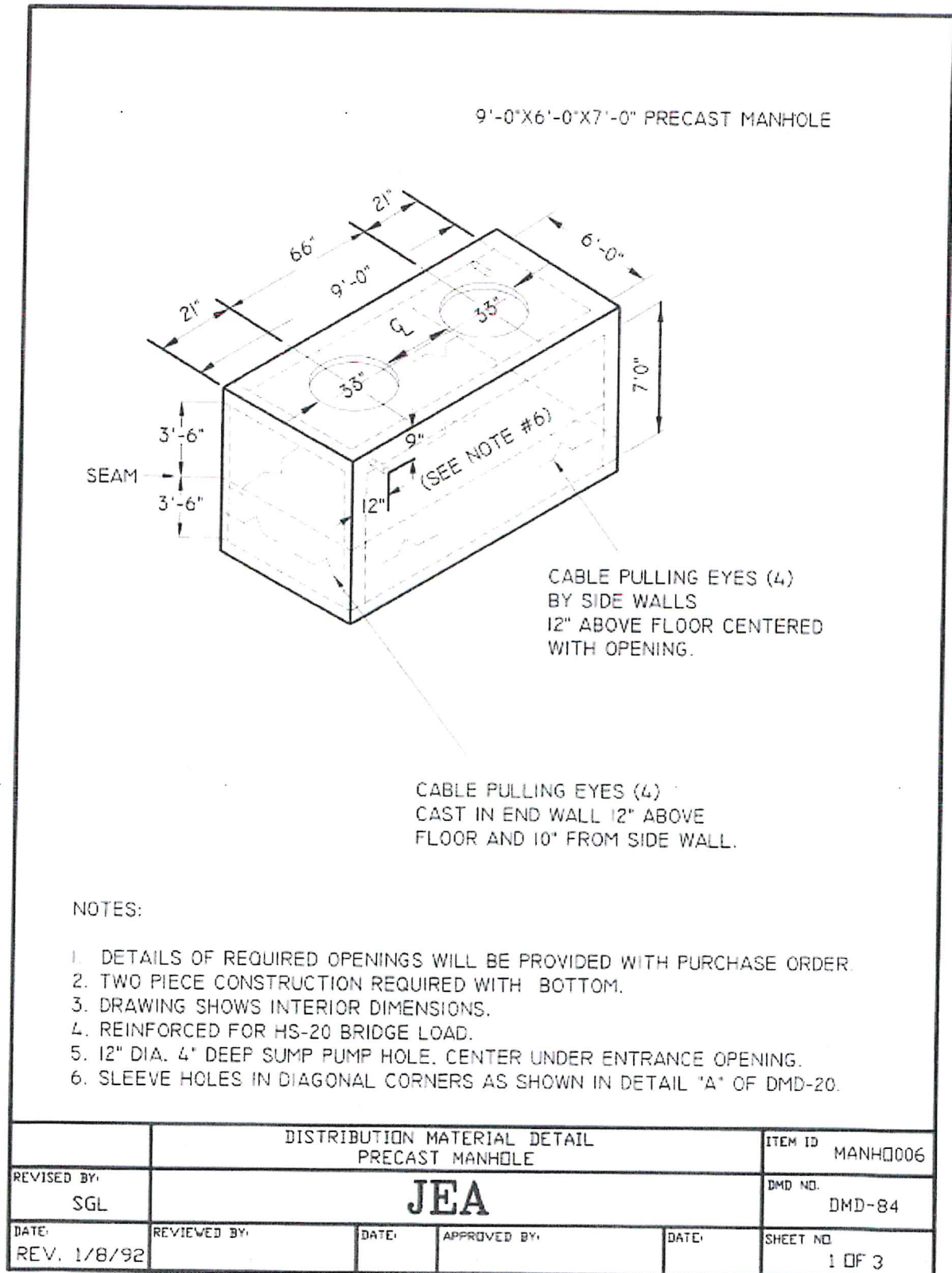
JEA STANDARD MANHOLE
BOLT ANCHOR LAYOUT
6'x12'x6'HR

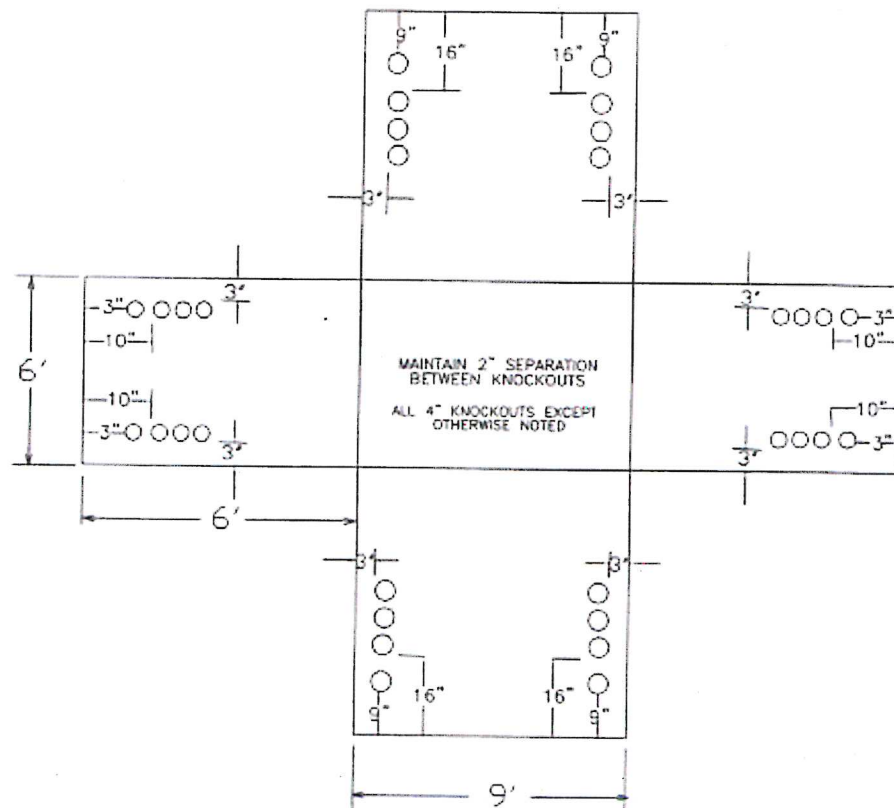
DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE				ITEM ID	MANH0002
REVISED BY: SGL	JEA			DMD NO.	DMD-21
DATE: 7/5/05	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 3 OF 3

3. **MANHO003** - MANHOLE, 12' X 8' X 7' RECTANGULAR PRECAST CONCRETE, REINFORCED FOR HS-20 BRIDGE LOAD



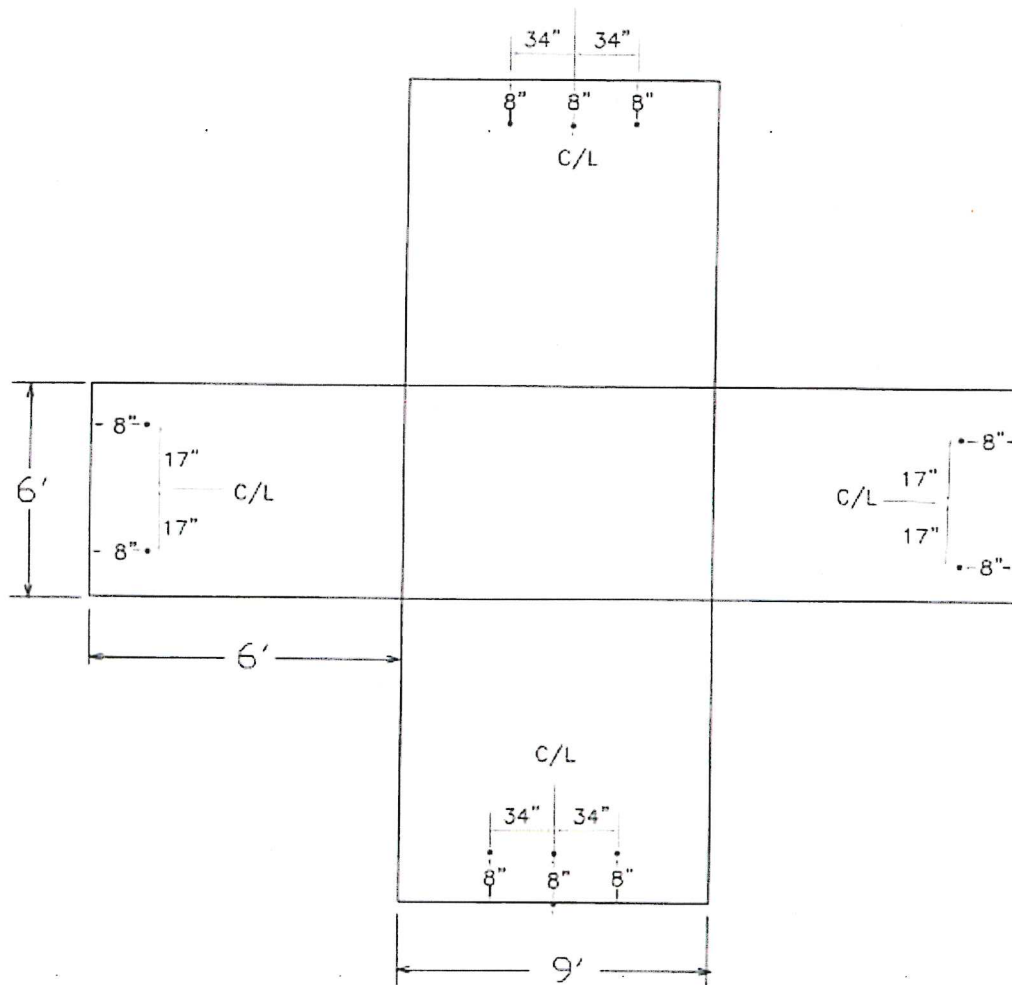
4. MANHO006 – MANHOLE, 9' X 6' X 7', PRECAST CONCRETE H-20 BRIDGE LOAD
9*12





JEA STANDARD MANHOLE
CONDUIT STUBOUT
6'x9'x6'HR

	DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE				ITEM ID MANHD006
REVISED BY: SGL	JEA				DMD NO. DMD-84
DATE: 7/5/05	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 2 OF 3

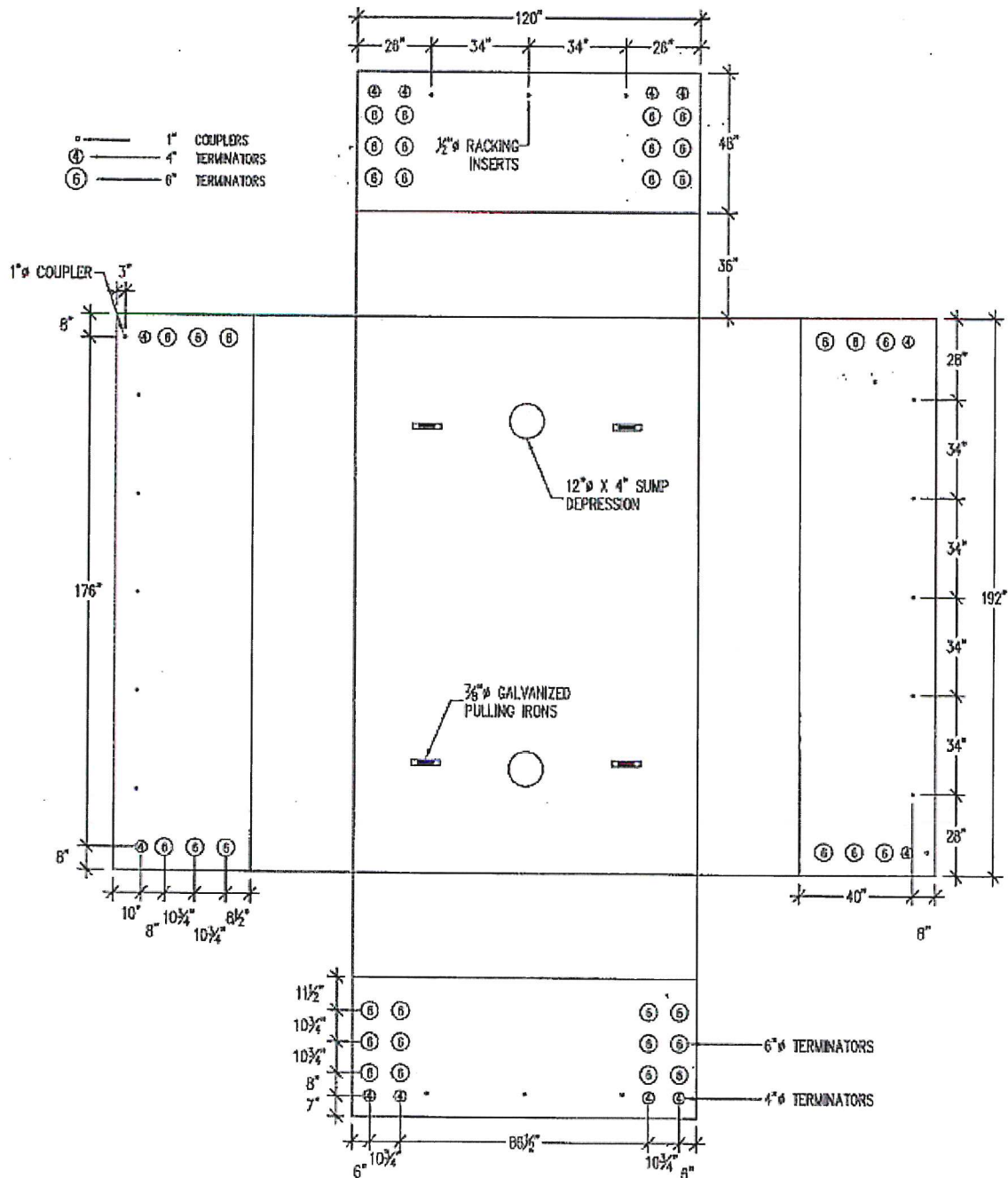


JEA STANDARD MANHOLE
BOLT ANCHOR LAYOUT
6'x9'x6'HR

DISTRIBUTION MATERIAL DETAIL PRECAST MANHOLE				ITEM ID	MANH0006
REVISED BY: SGL	JEA			DMD NO.	DMD-84
DATE: 7/5/05	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 3 OF 3

5. MANHO009 - MANHOLE, 10' X 16' X 7' VAULT PRECAST CONCRETE REINFORCED FOR HS-20 BRIDGE LOAD

10' X 16' X 7' I.D. JEA MANHOLE

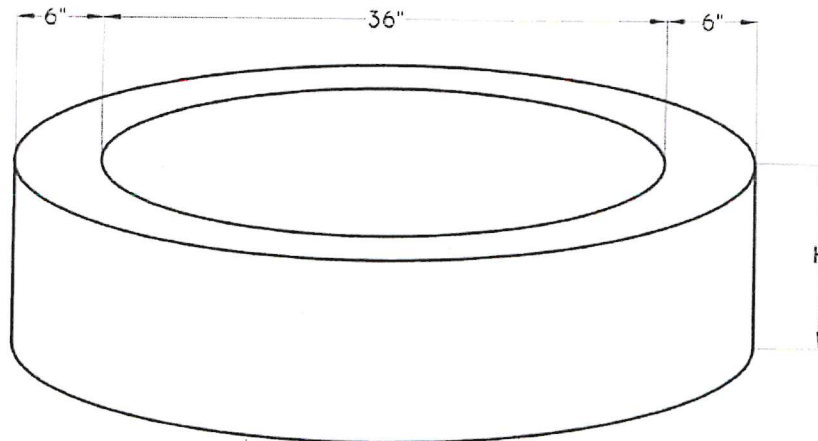


DRAWING DETAILS

GRADE EXTENSION RINGS AND COVERS

JEA ITEM ID	DESCRIPTION
MANER001	RING, EXTENSION, GRADE, MANHOLE, 6" HEIGHT, 36" ID X 48" OD
MANER002	RING, EXTENSION, GRADE, MANHOLE, 9" HEIGHT, 36" ID X 48" OD
MANER003	RING, EXTENSION, GRADE, MANHOLE, 15" HEIGHT, 36" ID X 48" OD
COVMA001	COVER, MANHOLE, 34-3/4", STANDARD MUST BE PALLETIZED/BANDED @ NO MORE THAN 5 EACH PER PALLET, SHIP ON OPEN FLAT-BED TRUCK SUITABLE FOR FORKLIFT UNLOADING
FRAMC001	FRAME, MANHOLE, DMD-27, 34-3/4" MUST BE PALLETIZED AND BANDED @ NO MORE THAN 5-UNITS PER PALLET.

1. **MANER001** - RING, EXTENSION, GRADE, MANHOLE, 6" HEIGHT, 36" ID X 48" OD
2. **MANER002** - RING, EXTENSION, GRADE, MANHOLE, 9" HEIGHT, 36" ID X 48" OD
3. **MANER003** - RING, EXTENSION, GRADE, MANHOLE, 15" HEIGHT, 36" ID X 48" OD



CONCRETE TO BE CLASS "A" (3000 P.S.I.) TYPE.

MAN-ER-001

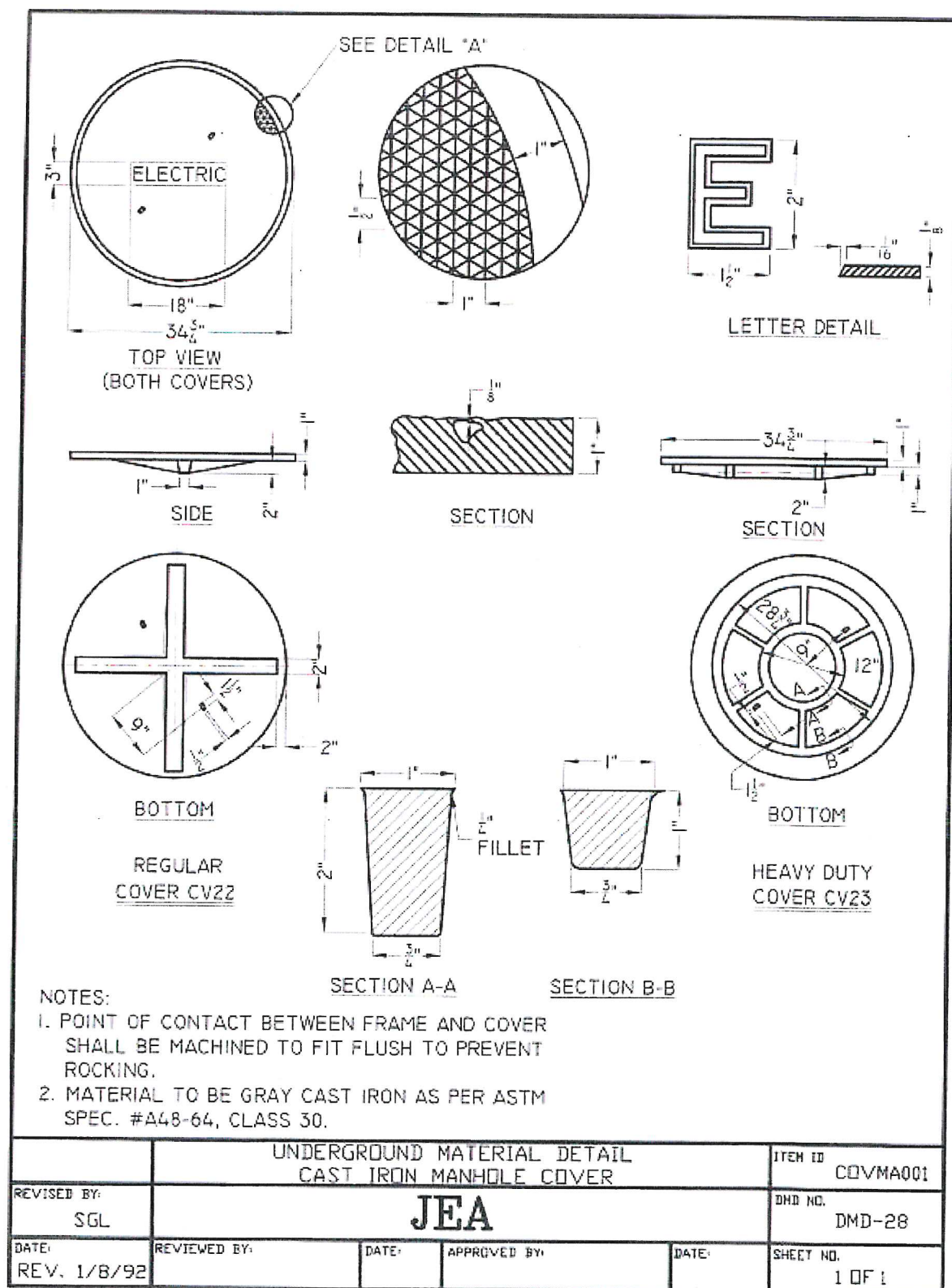
MAN-ER-002

MAN-ER-003

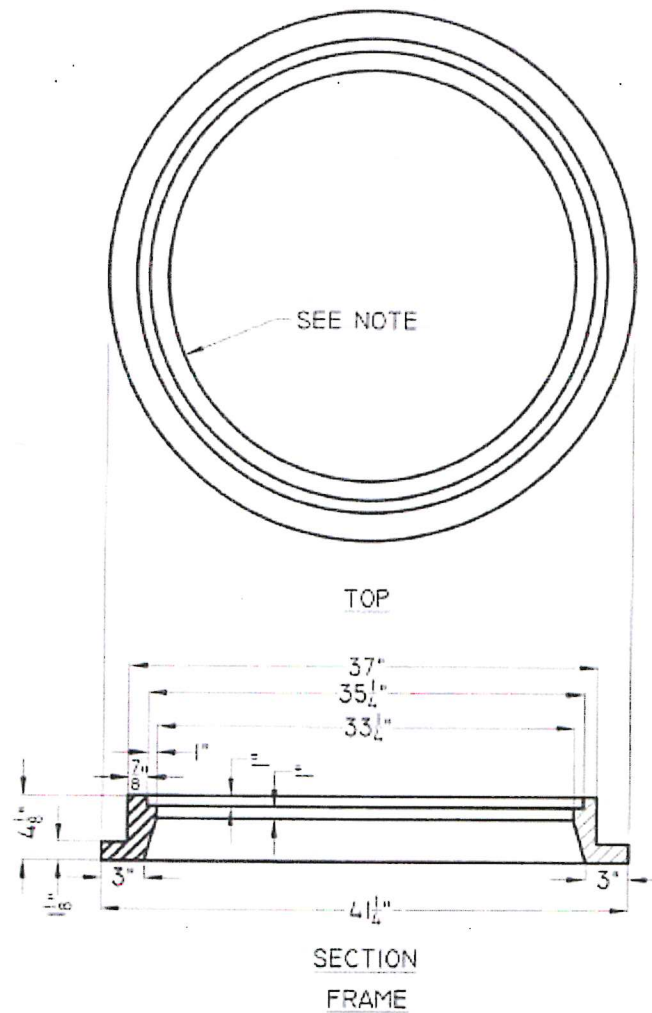
J.E.A. ITEM I.D.			
HEIGHT (H)	6"	9"	15"

DISTRIBUTION MATERIAL DETAIL GRADE EXTENSION RINGS		ITEM ID MANER001 - 003
REVISED BY: SGL	JEA	
DATE: REV. 1/8/92	REVIEWED BY:	DMD NO. DMD-25
DATE:	APPROVED BY:	SHEET NO. 1 OF 1

4. COVMA001 - COVER, MANHOLE, 34³/₄ "



5. FRAMC001 - FRAME, MANHOLE, DMD-27, 34 1/4"



FOR USE WITH MANHOLE COVERS
CV22 AND CV23

NOTES:

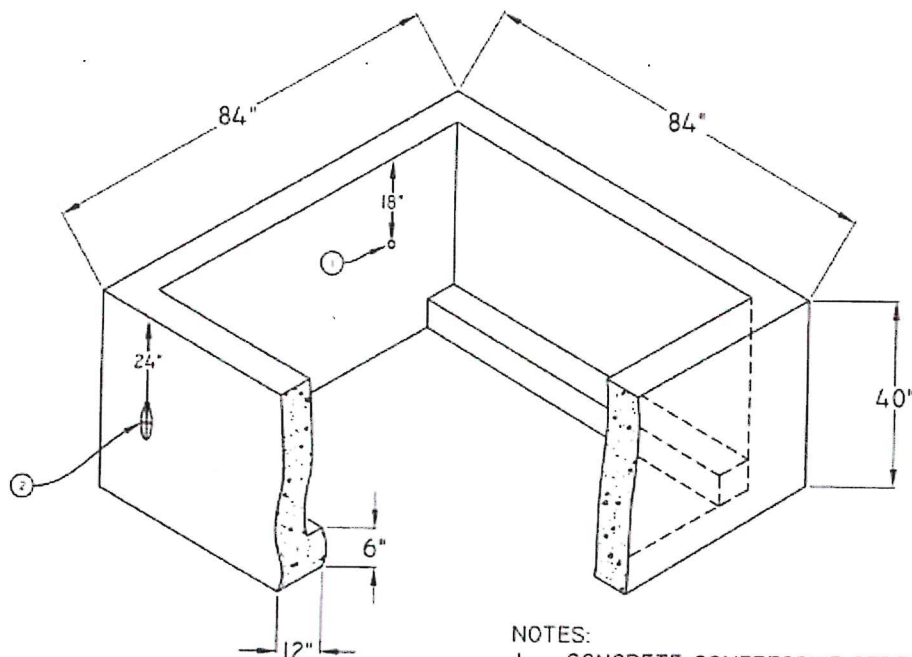
1. POINT OF CONTACT OF FRAME
WITH COVER SHALL BE MACHINED
TO FIT FLUSH TO PREVENT ROCKING
2. MATERIAL TO BE CAST IRON AS PER ASTM
SPEC. #A48-64, CLASS 30

UNDERGROUND MATERIAL DETAIL CAST IRON MANHOLE FRAME		ITEM ID FRAMC001
REVISED BY: SGL	JEA	
DATE: REV. 1/8/92	REVIEWED BY:	DMD NO. DMD-27
DATE:	APPROVED BY:	SHEET NO. 1 OF 1

DRAWING DETAILS**EQUIPMENT PITS**

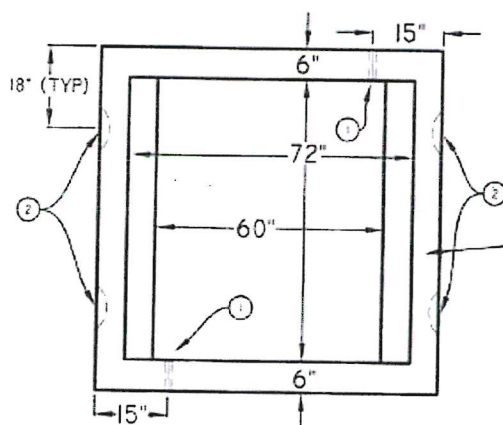
JEA ITEM ID	DESCRIPTION
PITME001	PIT, MOUNTING 3-PHASE SWITCHING EQUIPMENT (INSIDE 72" X 72" & OUTSIDE 84" X 84") SEE SPECIFICATIONS & DMD-76 (WEIGHT 8600 LBS. EACH)
PITME003	PIT, MOUNTING 3 PHASE FUSING EQUIPMENT (INSIDE 46" X 35" & OUTSIDE 58" X 47"), SEE SPECIFICATION AND DMD-77, (WEIGHT 5304 LBS. EACH). REQUIRES A CURRENT NPCA CERTIFICATION FOR THE LAST 5 YEARS.
PITME004	PIT, MOUNTING, EQUIPMENT, SPECIAL APPLICATION, PMH-5 SWITCHGEAR, 68" X 48" DMD-86, (WEIGHT 5330 LBS. EACH)
PITME005	PIT, EQUIPMENT MOUNTING FOR PRIMARY METERING ENCLOSURE PER DMD-75A (WEIGHT 7800 LBS. EACH)

1. PITME001 PIT, MOUNTING 3-PHASE SWITCHING EQUIPMENT (INSIDE 72" X 72" & OUTSIDE 84" X 84")



NOTES:

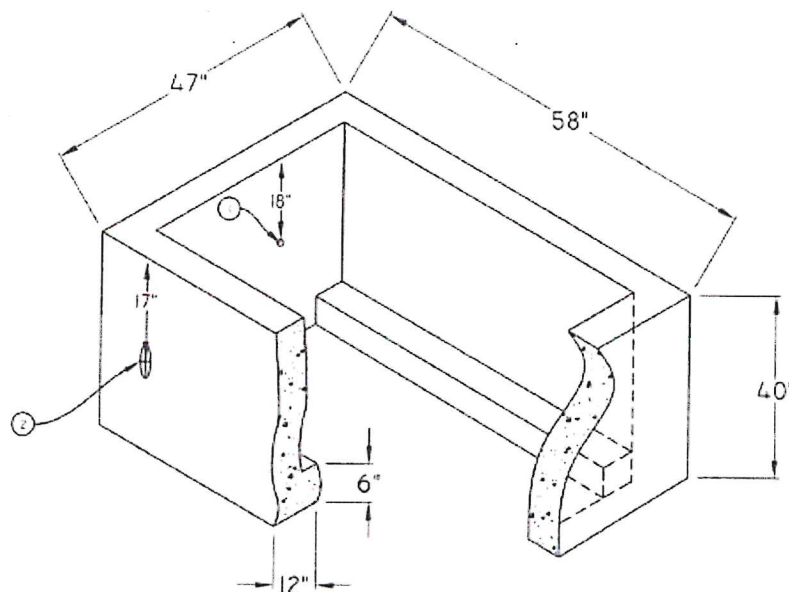
1. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS - 5000 PSI MIN.
3. REBAR SHALL BE ASTM GRADE 60
4. $\frac{3}{4}$ " DIA. PVC SLEEVE W/ FEMALE ADAPTER & PLUG ON OUTSIDE. (2) LOCATIONS ①
5. 2-TON RECESSED UTILITY LIFT (4) LOCATIONS ②
- 6.



TOP SURFACE MUST
BE FLAT FOR
EQUIPMENT
MOUNTING.

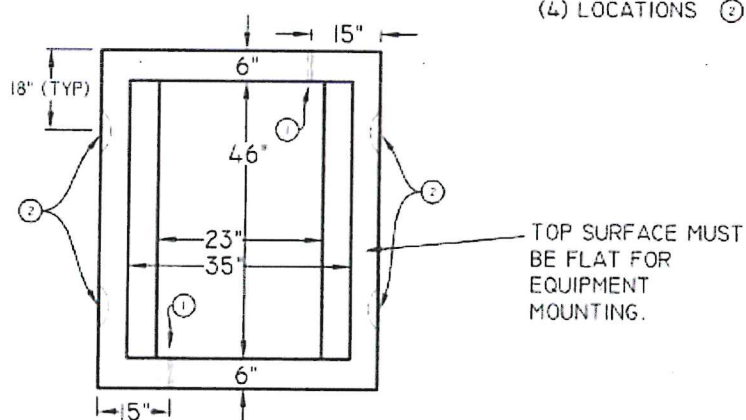
DISTRIBUTION MATERIAL DETAIL THREE PHASE SWITCHGEAR MOUNTING PIT 72"x72"x34" (ID)					ITEM ID PITME001
REVISED BY: MLR	JEA				DMD NO. DMD-76
DATE: REV. 10/6/15					SHEET NO. 1 OF 1
REVIEWED BY:	DATE:	APPROVED BY:	DATE:		

2. PITME003 – PIT, MOUNTING 3 PHASE FUSING EQUIPMENT 46" X 35",



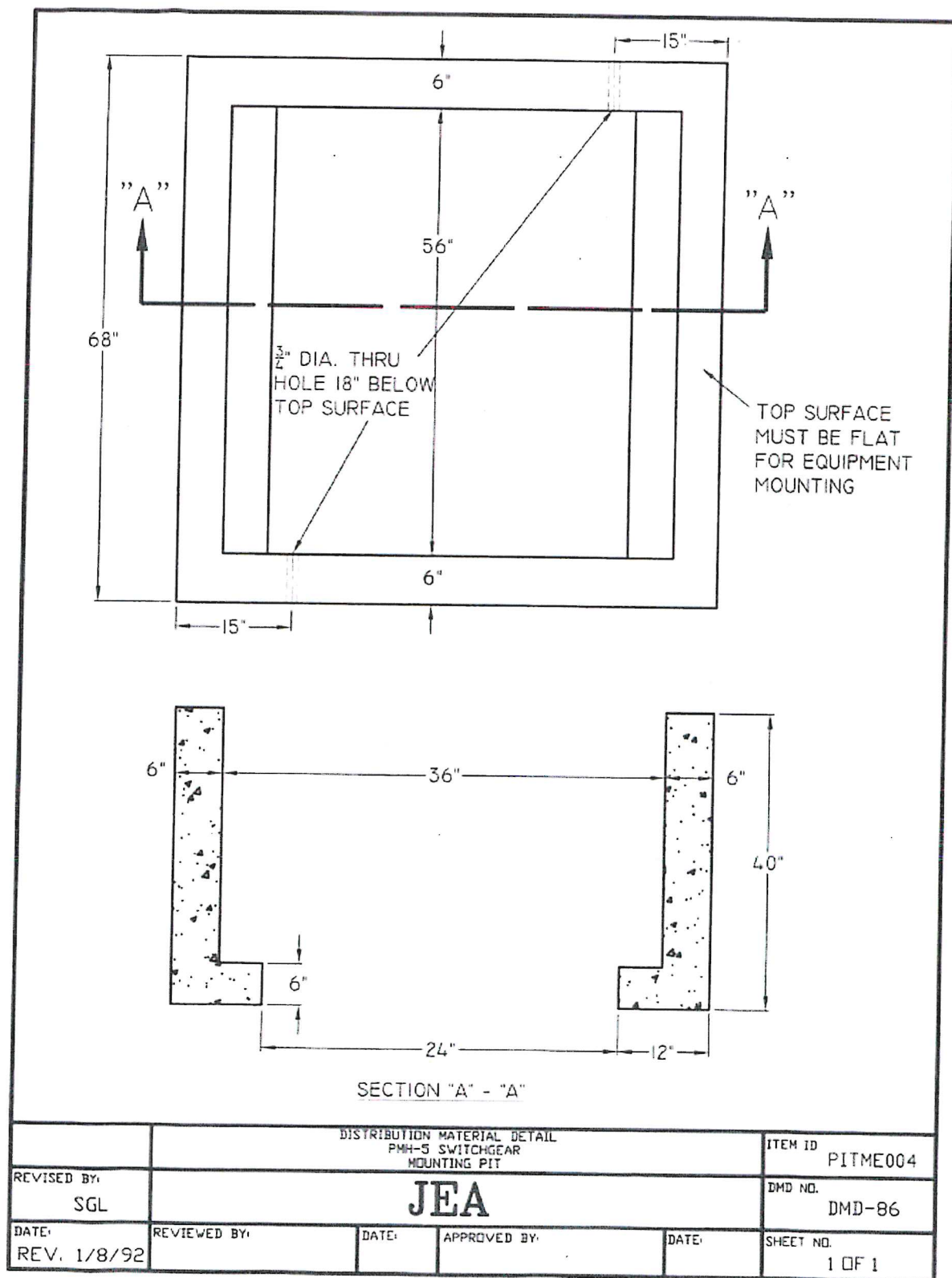
NOTES:

1. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS - 5000 PSI MIN.
3. REBAR SHALL BE ASTM GRADE 60
4. $\frac{5}{8}$ " DIA. PVC SLEEVE W/ FEMALE ADAPTER & PLUG ON OUTSIDE. (2) LOCATIONS (1)
5. 2-TON RECESSED UTILITY LIFT (4) LOCATIONS (2)

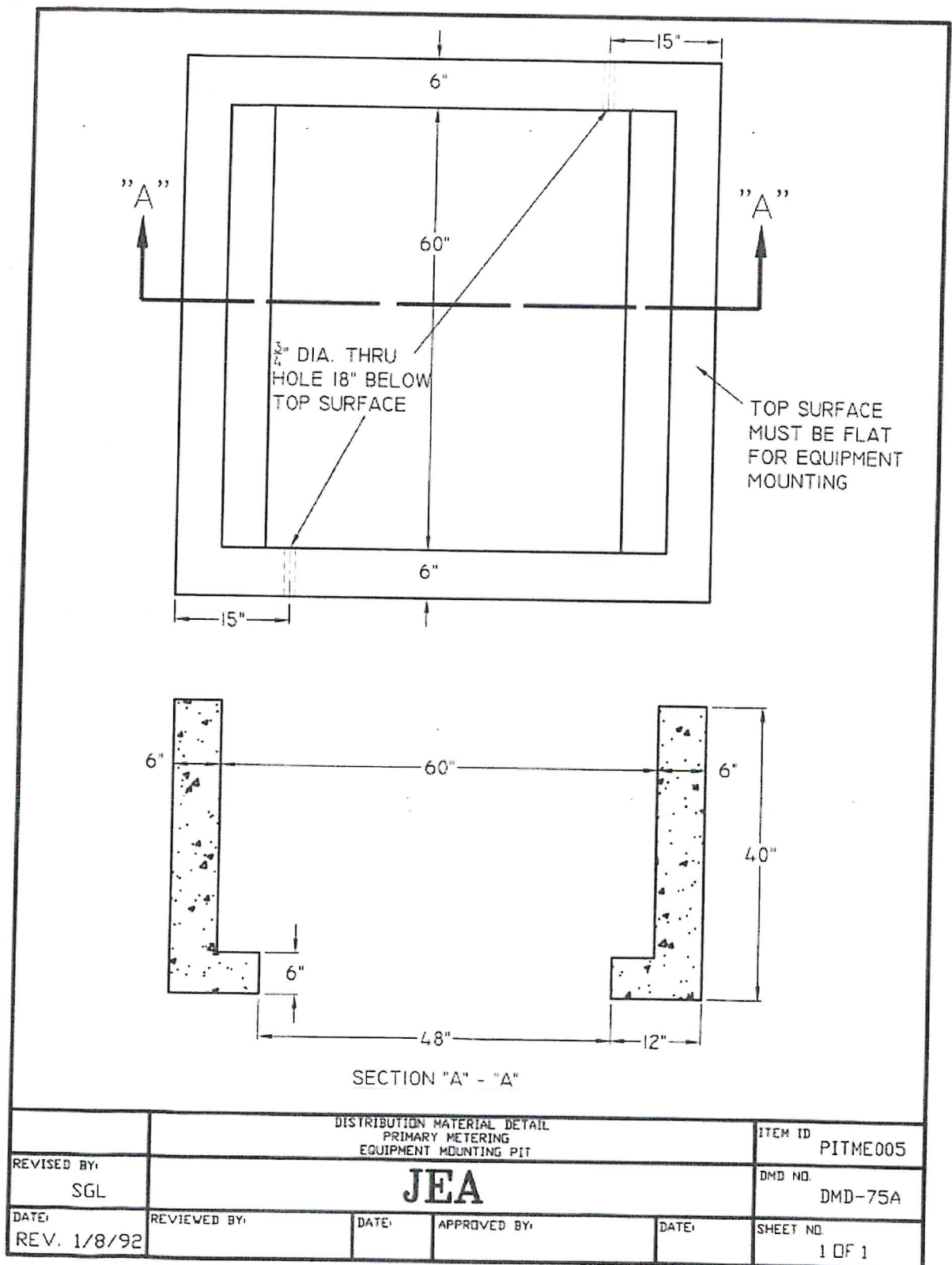


	DISTRIBUTION MATERIAL DETAIL THREE PHASE FUSING EQUIPMENT MOUNTING PIT				ITEM ID PITME003
REVISED BY: MLR	JEA				DWG NO. DMD-77
DATE: REV. 3/8/16	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 1 OF 1

3. PITME004 – PIT, MOUNTING, EQUIPMENT, SPECIAL APPLICATION, PMH-5 SWITCHGEAR, 68" X 48"



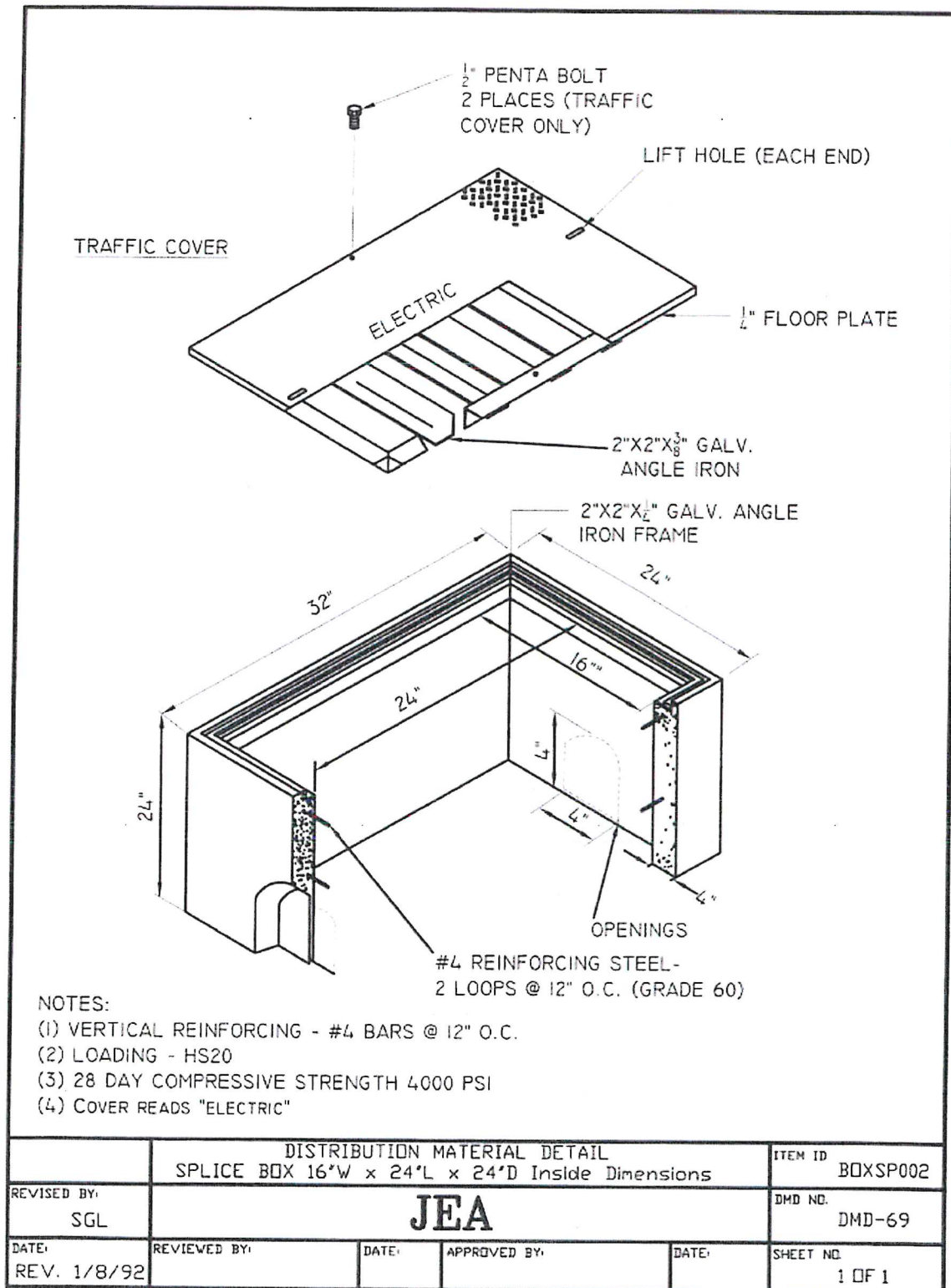
4. PITME005 - PIT, EQUIPMENT MOUNTING FOR PRIMARY METERING ENCLOSURE



DRAWING DETAILS**SPLICE BOX**

JEA ITEM ID	DESCRIPTION
BOXSP002	BOX, SPLICE, HEAVY DUTY CONCRETE (HS-20 LOAD) (OUTSIDE DIMENSIONS 24"W X 32L X 24"D), (INSIDE DIMENSIONS 16"W X 24"L X 24"D) (COVER READS ELECTRIC) SEE DMD-69

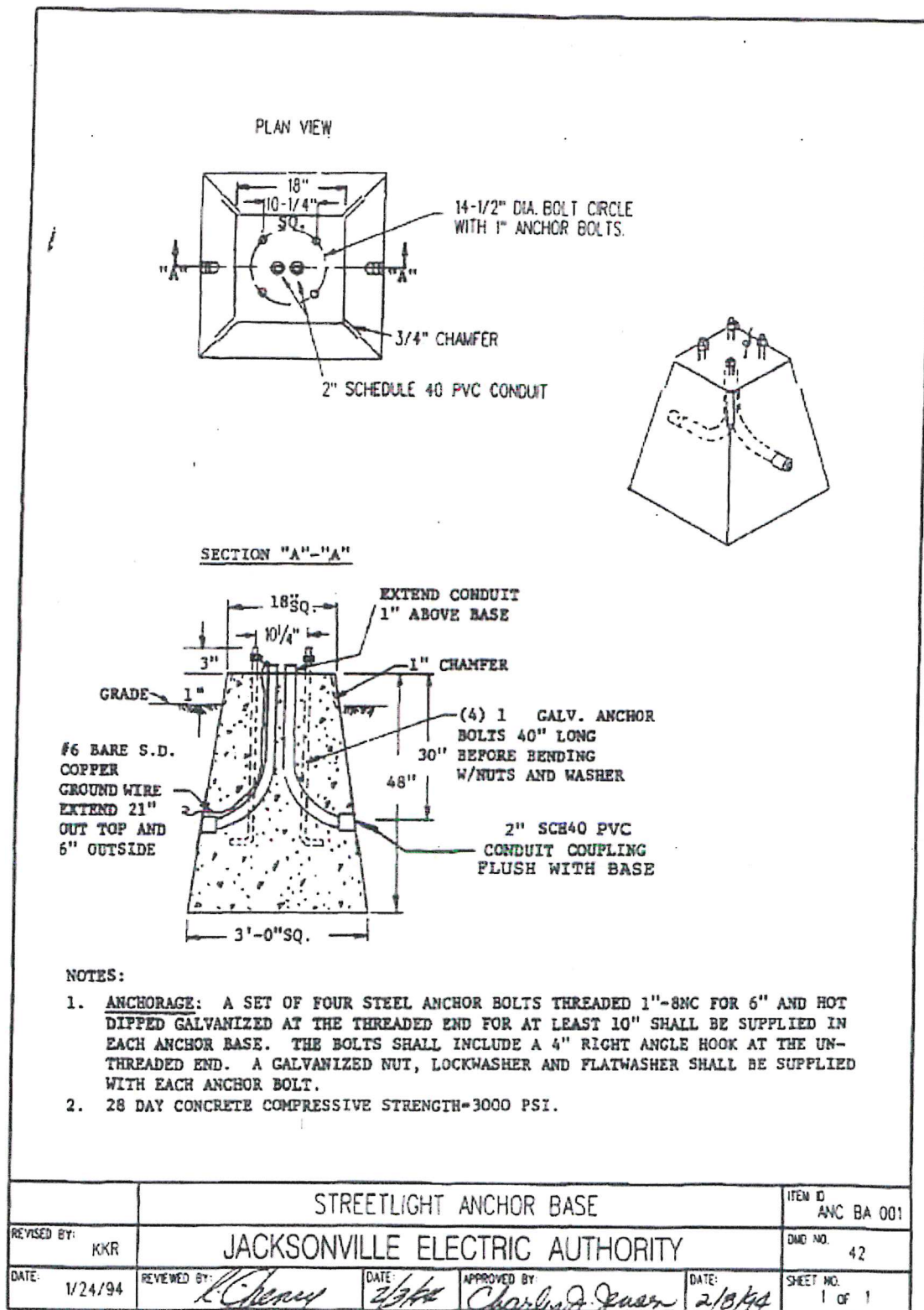
1. **BOXSP002** BOX, SPLICE, HEAVY DUTY CONCRETE (HS-20 LOAD) (OUTSIDE DIMENSIONS 24"W X 32L X 24"D), (INSIDE DIMENSIONS 16"W X 24"L X 24"D) (COVER READS ELECTRIC) SEE DMD-69



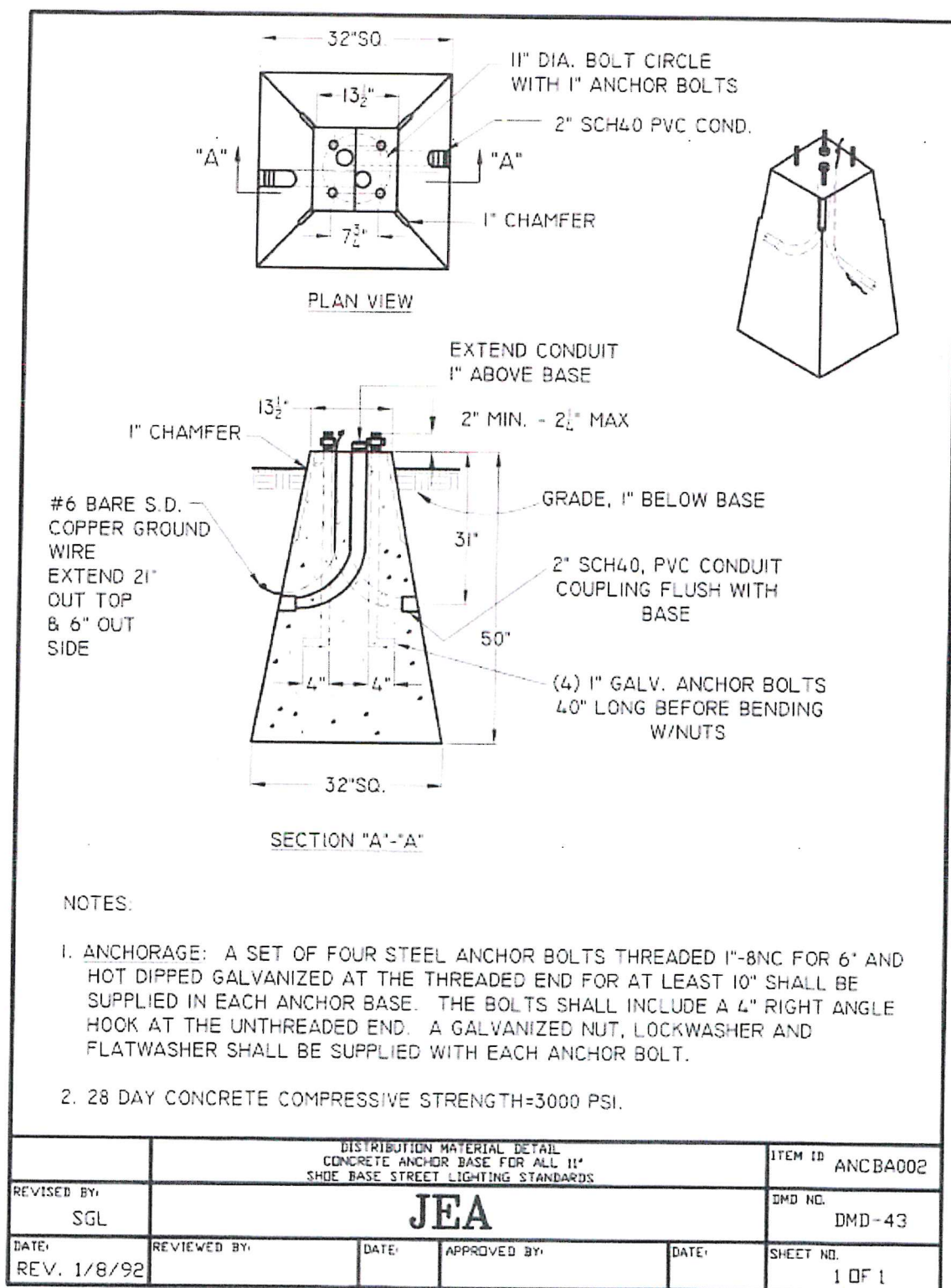
DRAWING DETAILS**ANCHOR BASES**

JEA ITEM ID	DESCRIPTION
ANCBAA001	ANCHOR BASE, CONCRETE, 18" SQ TOP X 36" SQ BOTTOM X 48" HEIGHT W 14 1/2" BOLT CIRCLE.
ANCBAA002	ANCHOR BASE, CONCRETE, 13 1/2" SQ TOP X 32" SQ BOTTOM X 50" HEIGHT W 11" BOLT CIRCLE.
ANCBAA004	ANCHOR BASE, CONCRETE, 24" SQ TOP X 48" SQ BOTTOM X 48" HEIGHT W 14.5" BOLT CIRCLE.
ANCBAA007	ANCHOR BASE, CONCRETE, 20" DIA X 48" HEIGHT W 11" BOLT CIRCLE.

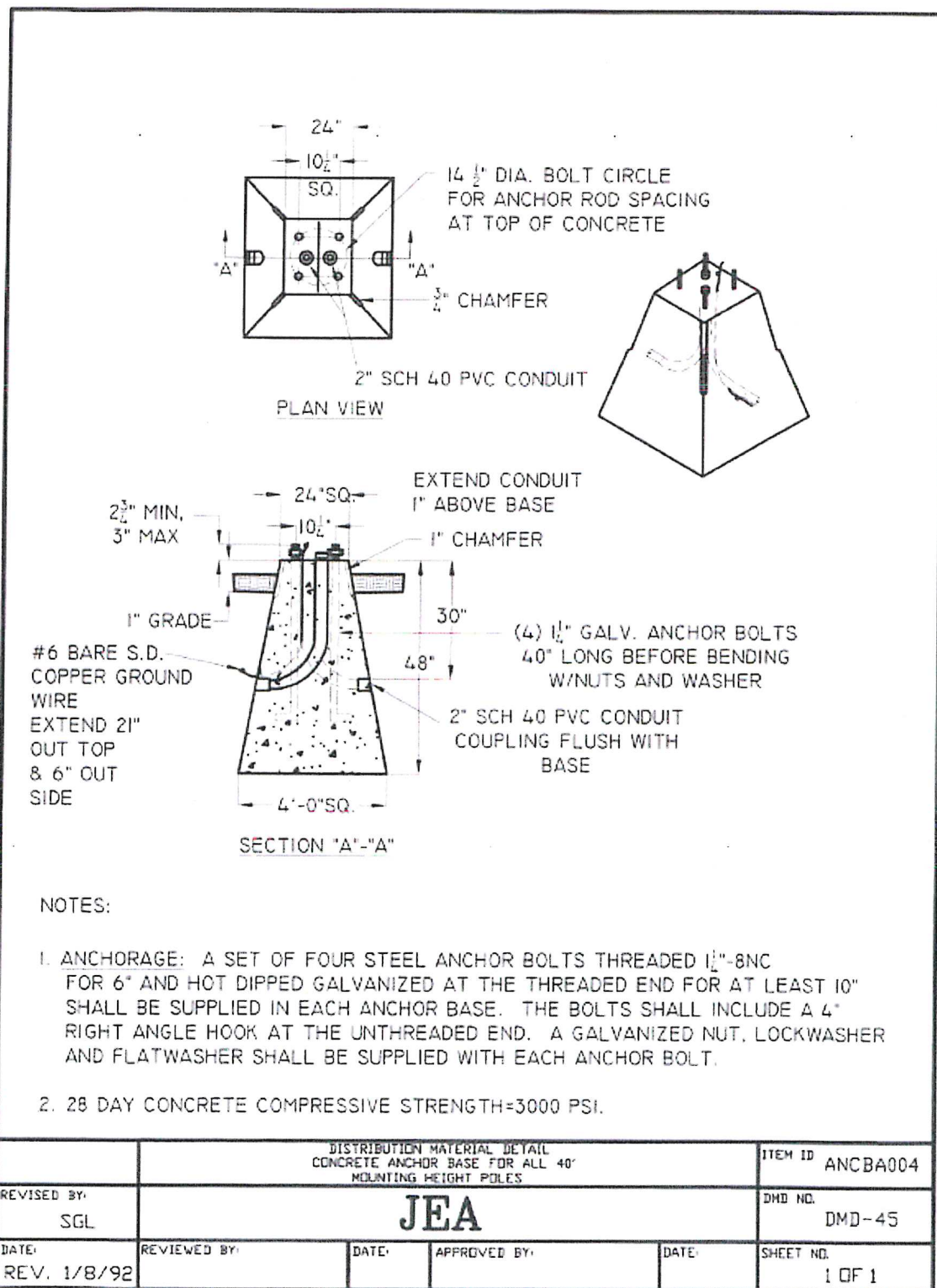
1. **ANCBA001** - ANCHOR BASE, CONCRETE, 18" SQ TOP X 36" SQ BOTTOM X 48" HEIGHT W 14 1/2" BOLT CIRCLE

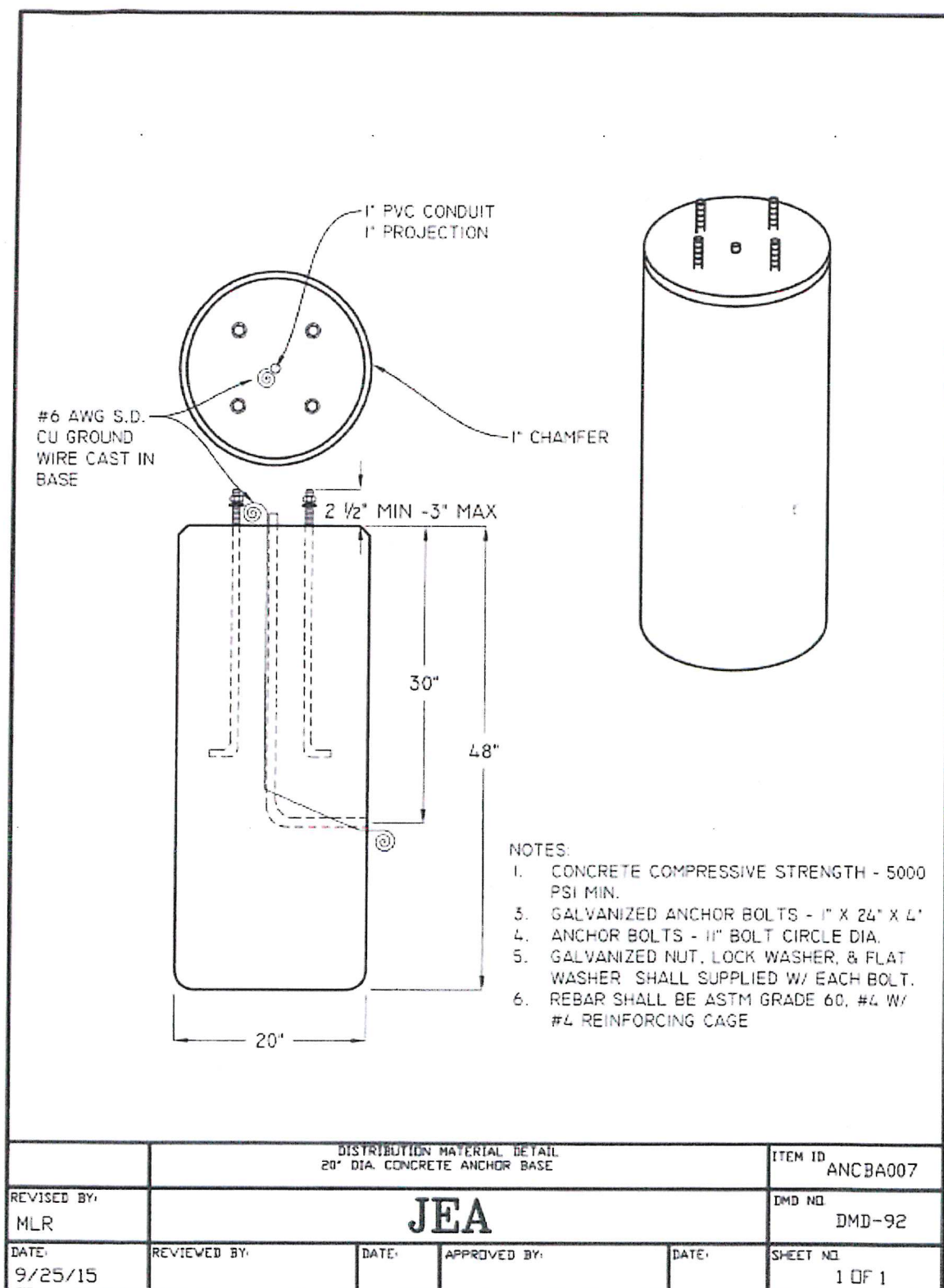


2. **ANCB002** - ANCHOR BASE, CONCRETE, 13 1/2" SQ TOP X 32" SQ BOTTOM X 50" HEIGHT W 11" BOLT CIRCLE



3. ANCBA004 - ANCHOR BASE, CONCRETE, 24" SQ TOP X 48" SQ BOTTOM X 48" HEIGHT W 14.5" BOLT CIRCLE

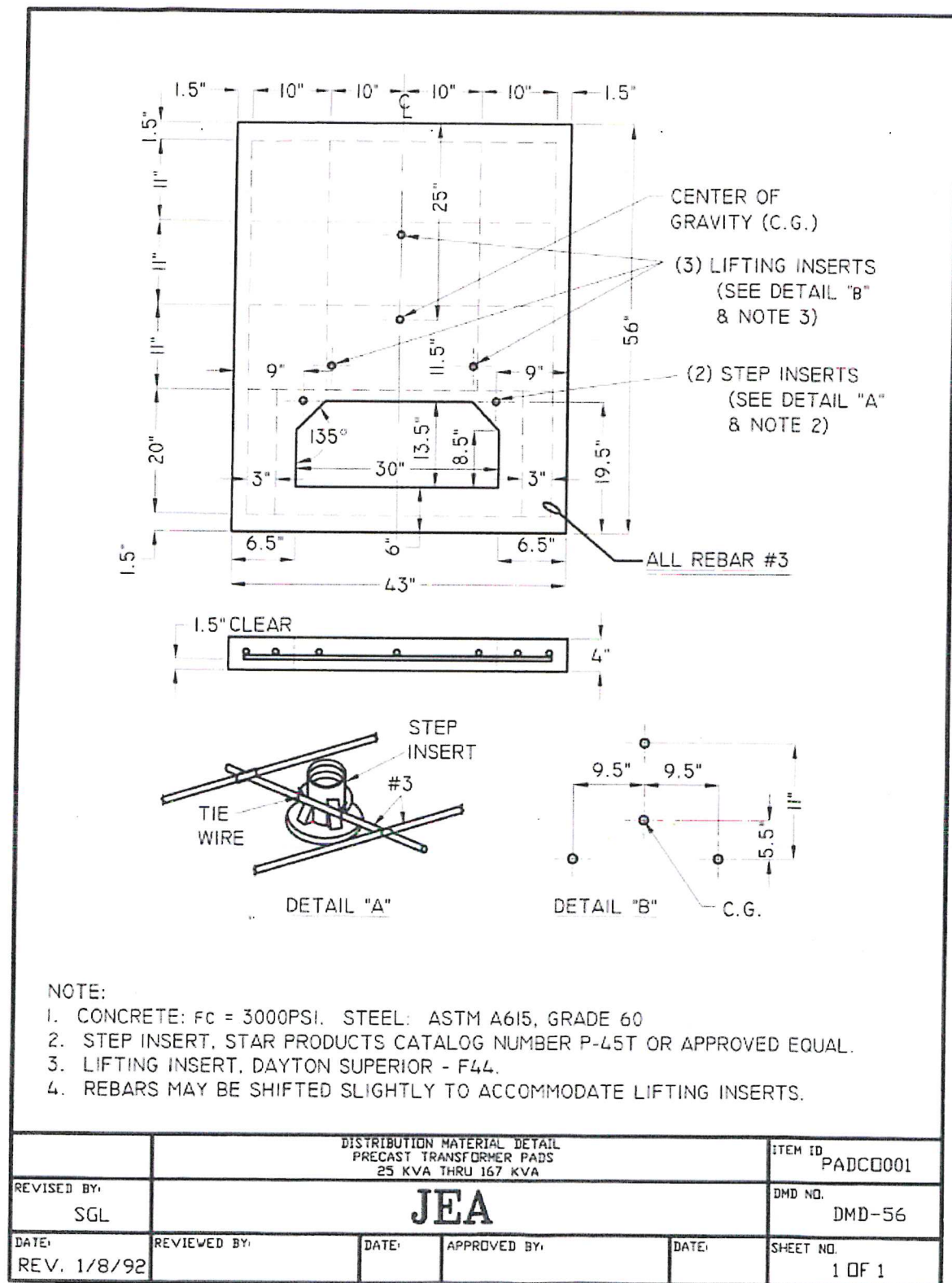


4. **ANCBA007** ANCHOR BASE, CONCRETE, 20" DIA X 48" HEIGHT W 11" BOLT CIRCLE

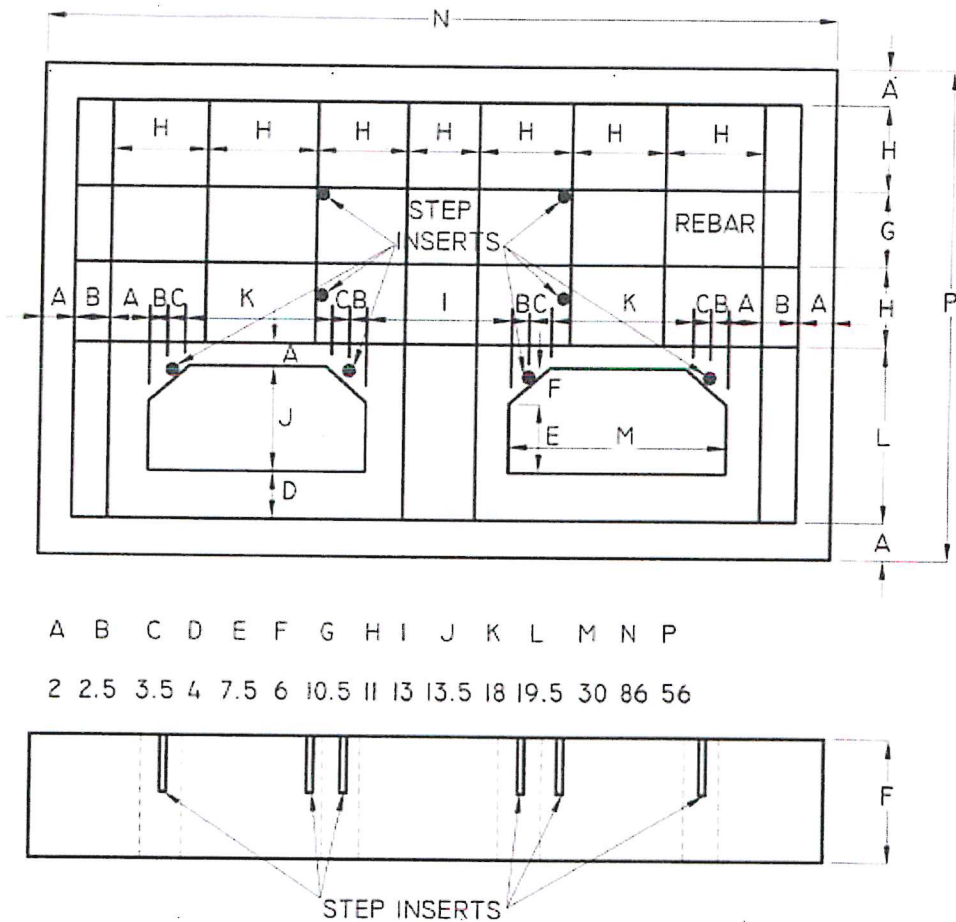
DRAWING DETAILS**CONCRETE PADS**

JEA ITEM ID	DESCRIPTION
PADCO001	PAD, TRANSFORMER, CONCRETE, 56"L X 43"W X 4"H, SPLAY OPENING-30" X 13", FOR PAD- MOUNT DISTRIBUTION EQUIPMENT, JEA PLATE NO. DMD-56, (WEIGHT 746 LBS. EACH)
PADCO003	PAD, TRANSF. OPEN DELTA, CONCRETE, 86"L X 54"W X 6"H, SPLAY OPENING-26" X 11", (WEIGHT 2300 LBS. EACH) JEA PLATE NO. DMD-73
PADCO006	PAD, CONCRETE, PRECAST, 72" X 72" X 10", SPLAY OPENING 48"X16" TOP & BOTTOM, 3 PHASE TRANSFORMER, COMPACT SIZE, (WEIGHT 3821 LBA. EACH) ORDER AD REQUESTED, DMD-87
PADCO007	PAD, CONCRETE 3 PHASE, 72" X 96" X 10", SPLAY OPENING 54"X16" BOTTOM & MAX OF 56"X18" TOP (WEIGHT 5315 LBS. EACH)
PADCO008	PAD, CONCRETE, 3 PHASE, 96" X 96" X 10", SPLAY OPENING 54"X16" BOTTOM & MAX. 56"X18" TOP (WEIGHT 7307 LBS. EACH)

1. PADCO001 - PAD, TRANSFORMER, CONCRETE, 56"L X 43"W X 4"H, SPLAY OPENING-30" X 13".



2. PADCO003 PAD, TRANSF. OPEN DELTA, CONCRETE, 86"L X 54"W X 6"H, SPLAY OPENING-26" X 11".



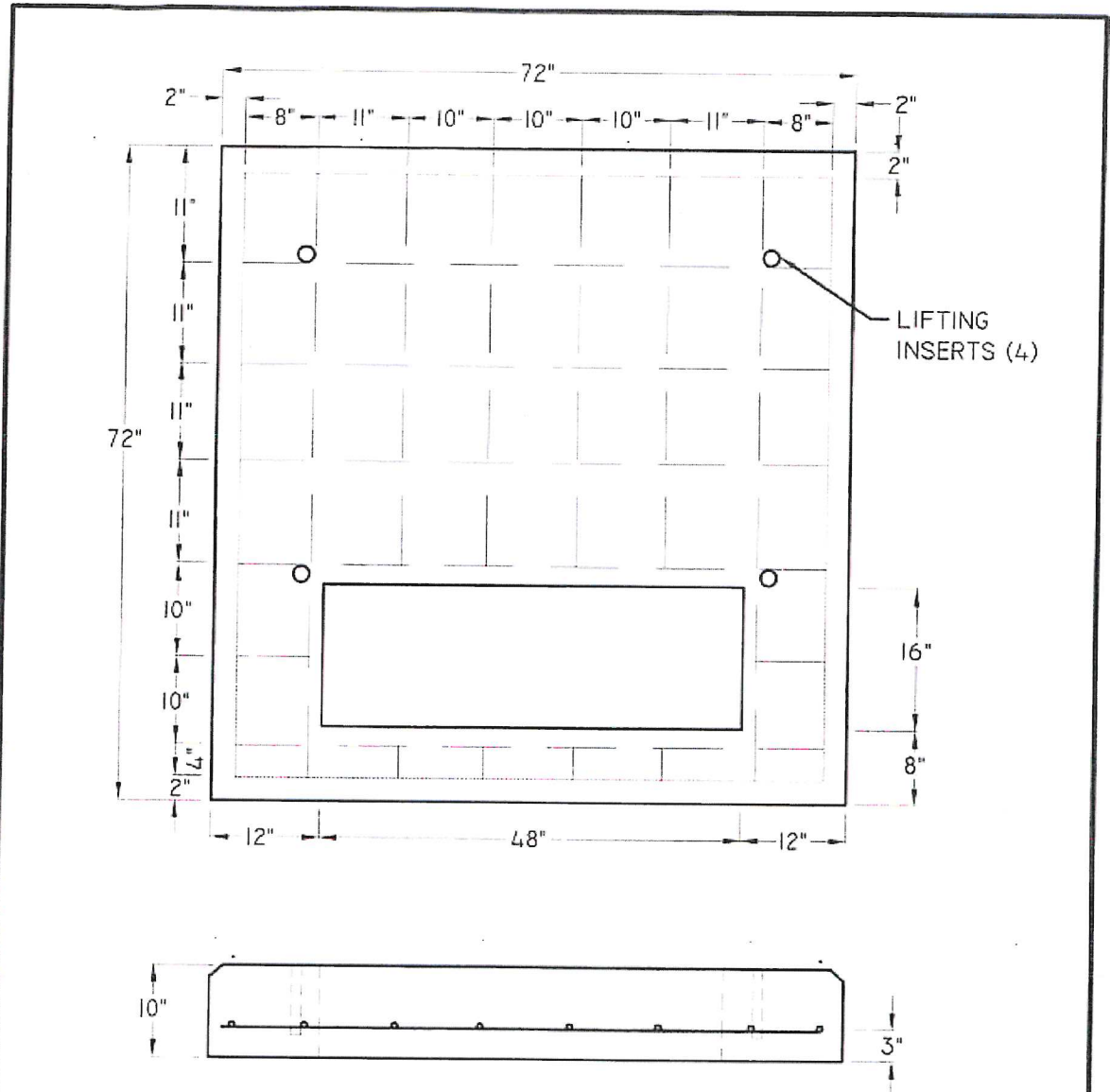
A B C D E F G H I J K L M N P
2 2.5 3.5 4 7.5 6 10.5 11 13 13.5 18 19.5 30 86 56

NOTES:

1. CONCRETE TO BE CLASS "A" (3,000 P.S.I.) TYPE, OR APPROVED EQUAL.
2. STEP INSERT, STAR PRODUCTS CATALOG NUMBER P-45T OR APPROVED EQUAL.
3. USE #5 REINFORCING ROD.
4. TIE REINFORCING RODS AT ALL JOINTS.

DISTRIBUTION MATERIAL DETAIL SPECIAL OPEN DELTA PAD 240/120 VOLT 3ø4 WIRE DELTA					ITEM ID PADCO003
REVISED BY: SGL	JEA				DMD NO. DMD-73
DATE: REV. 1/8/92	REVIEWED BY:	DATE:	APPROVED BY:	DATE:	SHEET NO. 1 OF 1

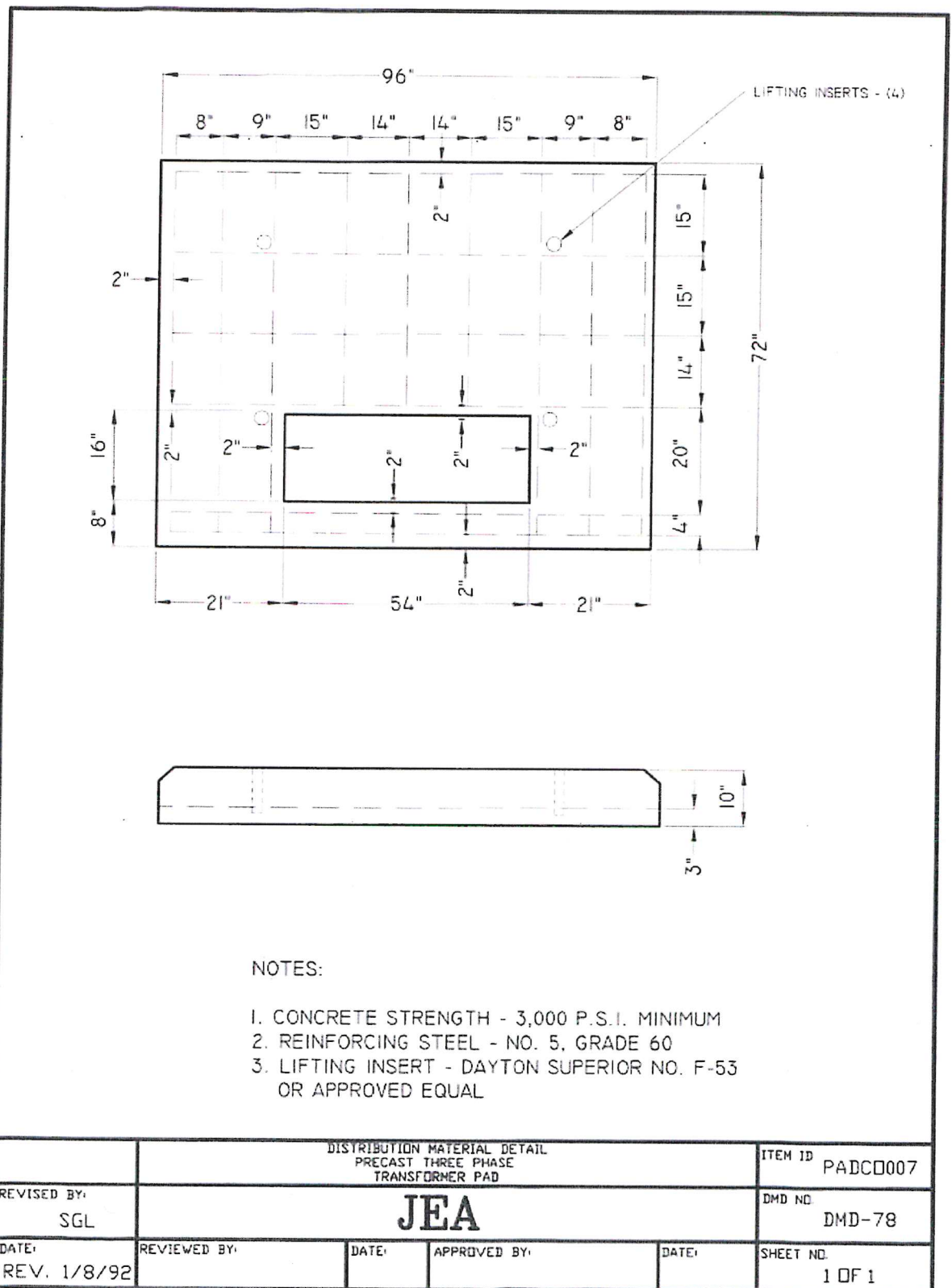
3. PADCO006 PAD, CONCRETE, PRECAST, 72" X 72" X 10", SPLAY OPENING 48"X16" TOP & BOTTOM, 3 PHASE TRANSFORMER, COMPACT SIZE



NOTES:

1. CONCRETE: STRENGTH - 3000 PSI MINIMUM
2. REINFORCING STEEL: NO. 5 GRADE 60
3. LIFTING INSERTS: DAYTON SUPERIOR NO. F-53 OR APPROVED EQUAL

DISTRIBUTION MATERIAL DETAIL THREE PHASE TRANSFORMER PAD PRECAST					ITEM ID PADCO006
REVISED BY: SGL	JEA				DMD NO. DMD-87
DATE: REV. 1/8/92					SHEET NO. 1 OF 1
REVIEWED BY:	DATE:	APPROVED BY:	DATE:		



5. PADCO008 PAD, CONCRETE, 3 PHASE, 96" X 96" X 10", SPLAY OPENING 54"X16" BOTTOM & MAX. 56"X18" TOP

