

## Appendix 2

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### INDEX of STANDARD DRAWINGS

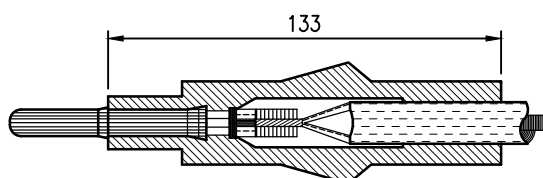
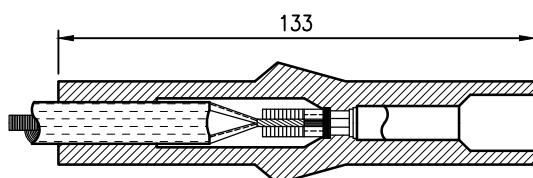
Runway 10-28, Aprons, and Road,  
Rehabilitation

Eureka Airport  
Eureka, Nunavut.

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STRAIGHT PLUG CONNECTOR

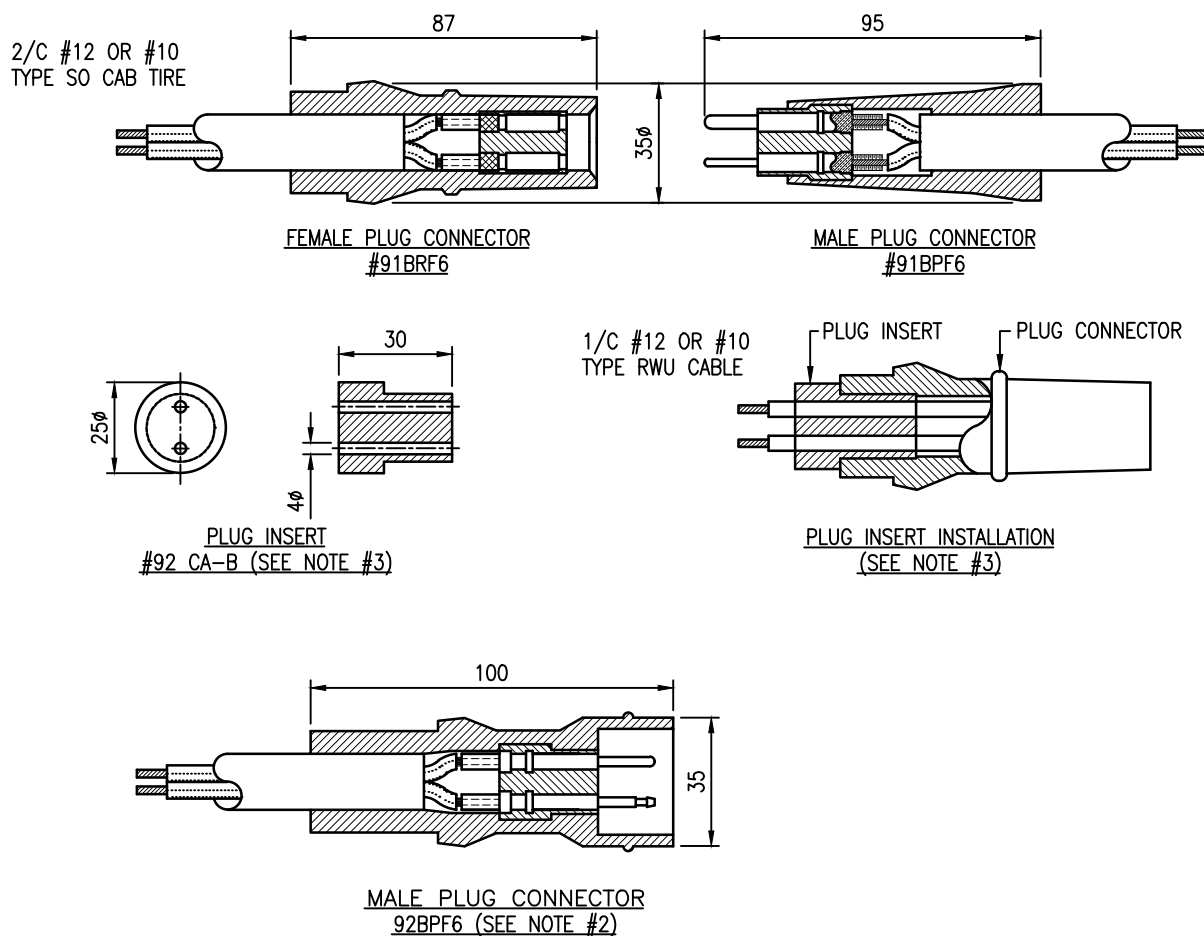
AMERACE CATALOGUE NUMBERS

CONNECTOR	APPLICATION	KIT CONTENT	FOR CABLE WITH WHITE TRACER	FOR CABLE WITH YELLOW TRACER
STRAIGHT	MOLDED LEAD EPOXY TRANSFORMER	ONE MALE ONE FEMALE	54B-E4-E4	54B-D4-D4

NOTES:

- ① WHOLE NUMBERS ARE IN MILLIMETRES, DECIMILIZED NUMBERS DENOTE METRES.

Approved by:	B. CHERNISH	drawing title  <b>AIRPORT LIGHTING PRIMARY PLUG CONNECTORS</b>					
Designed by:	B. CHERNISH						
Drawn by:	D. LADAN						
Reviewed by:							
date	AUGUST 2001	scale	N.T.S.	sheet	0000S230P010	REV.	0

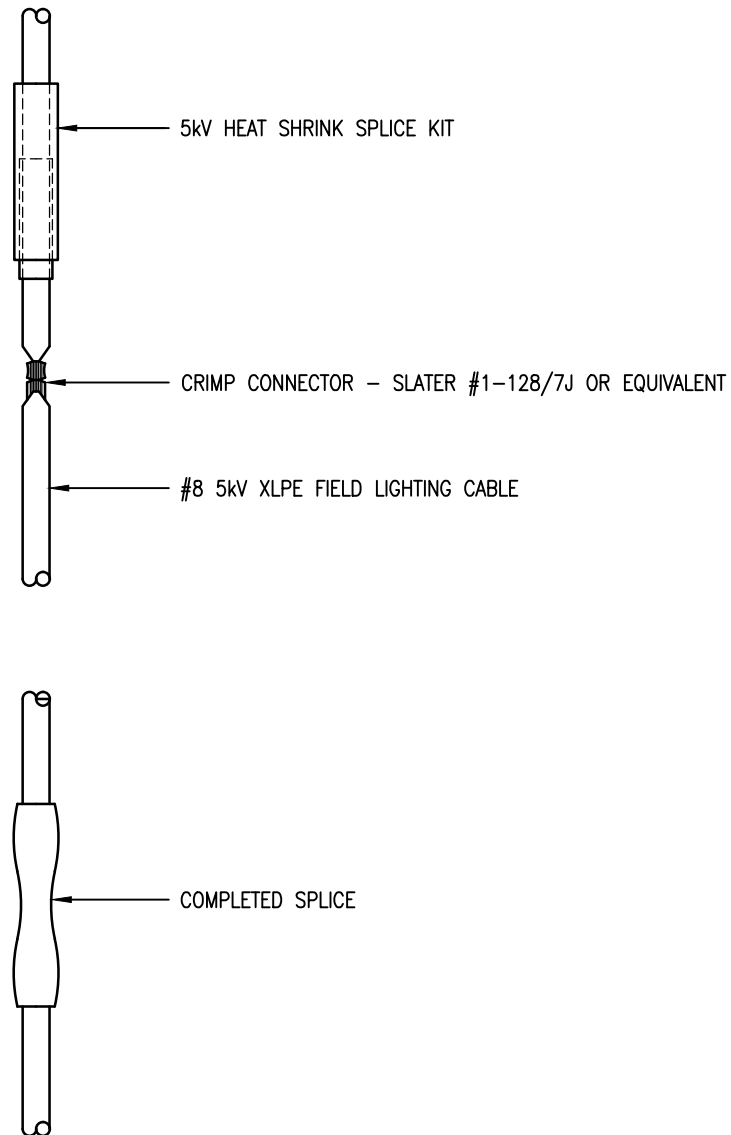


AMERACE CATALOGUE #	APPLICATION	KIT CONTENT
91BRF 6 91BPF 6	CABLE SPLICE	ONE FEMALE ONE MALE
91BRF 6	FIXTURE CONNECTION	ONE FEMALE
92BPF 6	EPOXY TRANSFORMER CONNECTION	ONE MALE
92CA-B	CONNECTOR MODIFICATION FOR SINGLE CONDUCTOR CABLES	ONE

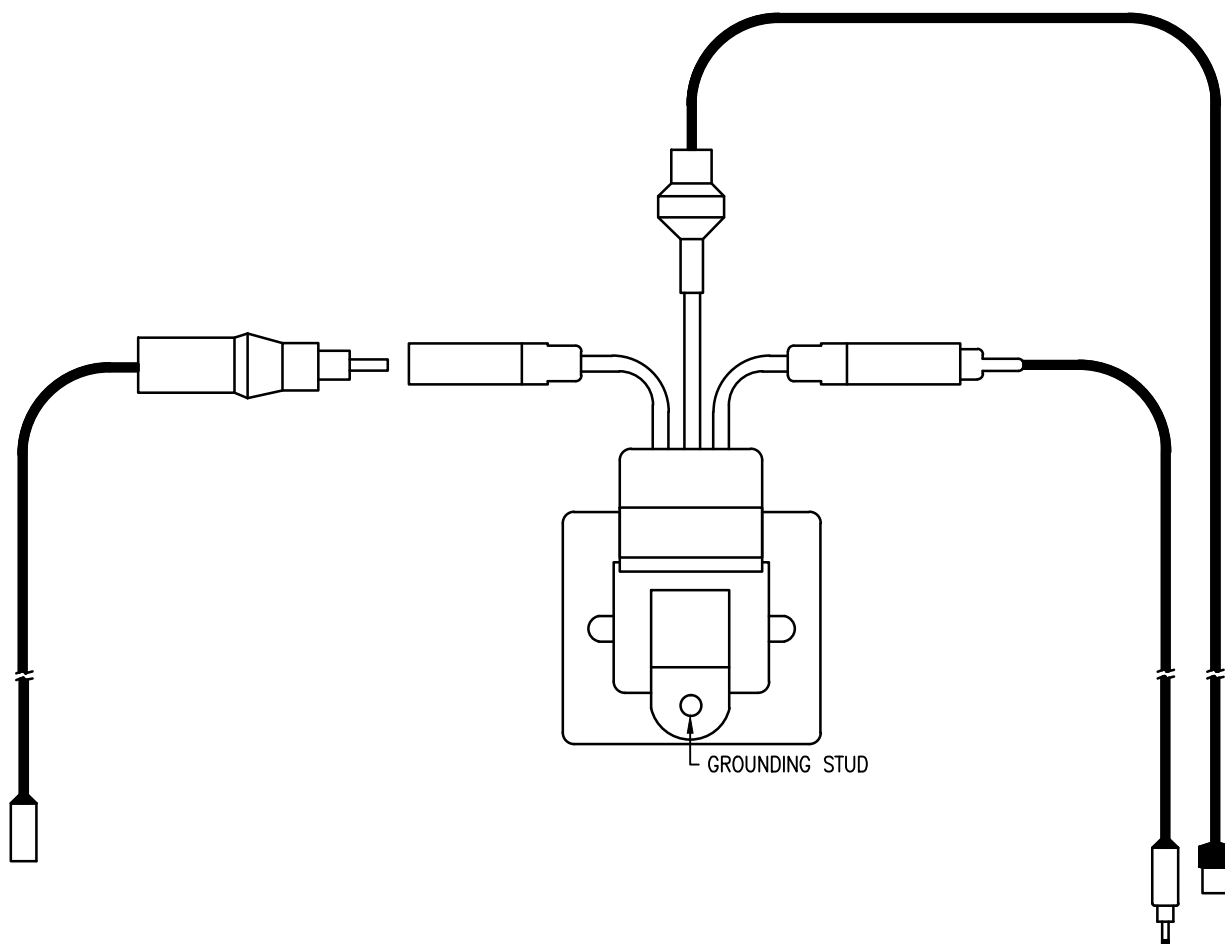
NOTES:

- ① WHOLE NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS ARE IN METERS.
- ② SECONDARY CONNECTORS ARE DESIGNED FOR 2/C #12 OR #10 STRANDED COPPER CABLE, TYPE S0.
- ③ PLUG INSERT IS DESIGNED TO CONVERT KIT CONNECTORS FROM THE USE OF 1-2/C CABLE TO 2-1/C CABLES AND IS APPLICABLE TO ALL SECONDARY CONNECTORS.

Approved by:	B. CHERNISH	drawing title  <b>SECONDARY PLUG CONNECTORS</b>		
Designed by:	B. CHERNISH			
Drawn by:	D. LADAN			
Reviewed by:				
date <b>AUGUST 2001</b>		scale <b>N.T.S.</b>	sheet <b>0000S230P011</b>	REV. <b>0</b>



Approved by:	B. CHERNISH	drawing title  <b>FIELD LIGHTING CABLE SPLICING DETAIL</b>		
Designed by:	B. CHERNISH			
Drawn by:	D. LADAN			
Reviewed by:				
date <b>AUGUST 2001</b>		scale <b>N.T.S.</b>	sheet <b>0000S230P012</b>	REV. <b>0</b>



NOTES:

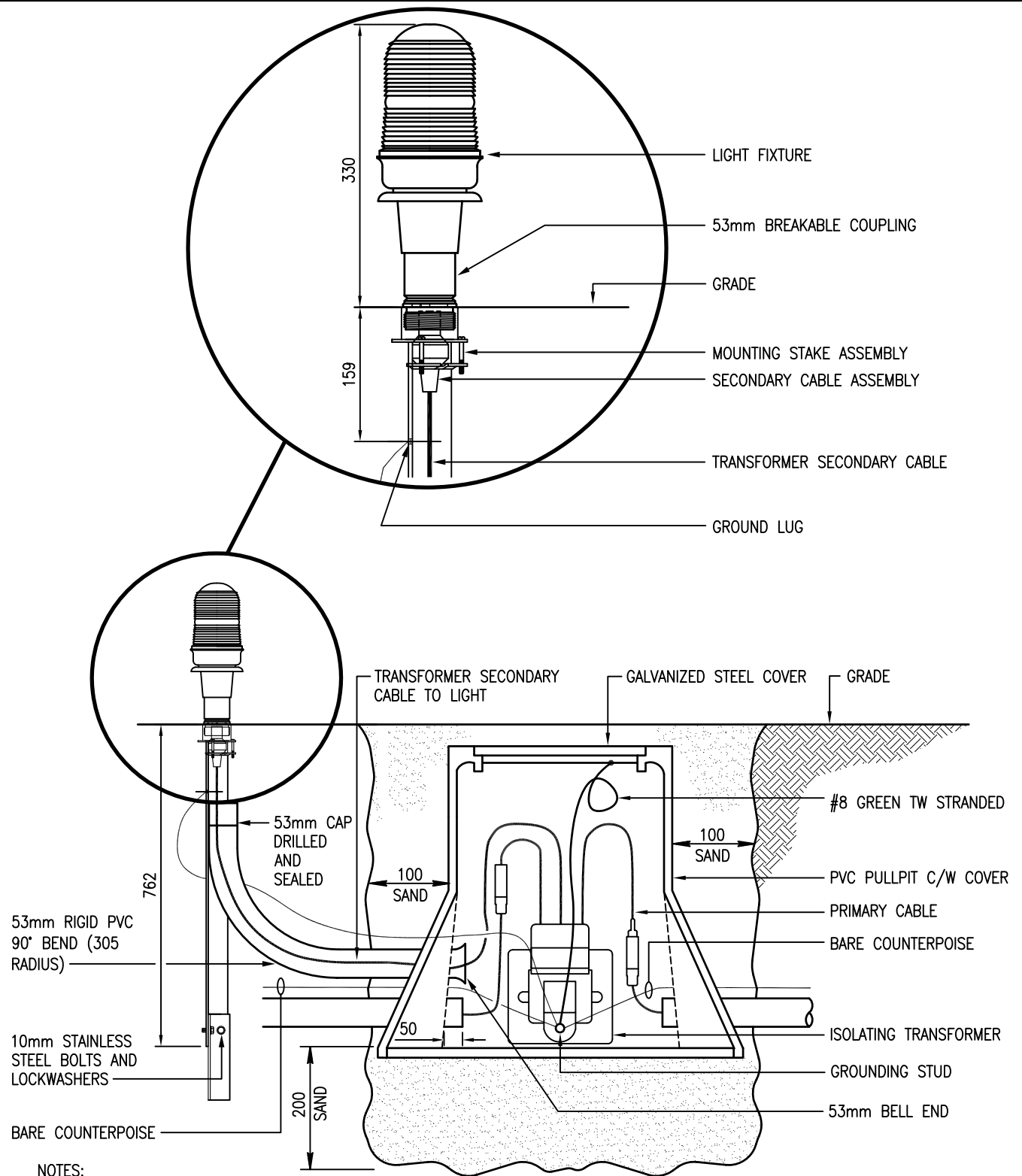
- ① ISOLATING TRANSFORMER WITH 5kV INSULATION, SUPPLIED WITH 600mm LONG PRIMARY AND 1200mm LONG SECONDARY LEADS, ALL LEADS FACTORY TERMINATED WITH CONNECTORS.

RATINGS:

30/45W – 6.6/6.6A  
100W – 6.6/6.6A  
200W – 6.6/6.6A  
300W – 6.6/6.6A  
500W – 6.6/6.6A

- ② TRANSFORMERS MUST MEET REQUIREMENTS OF C22.2 NO. 180, SERIES ISOLATING TRANSFORMERS FOR AIRPORT LIGHTING.

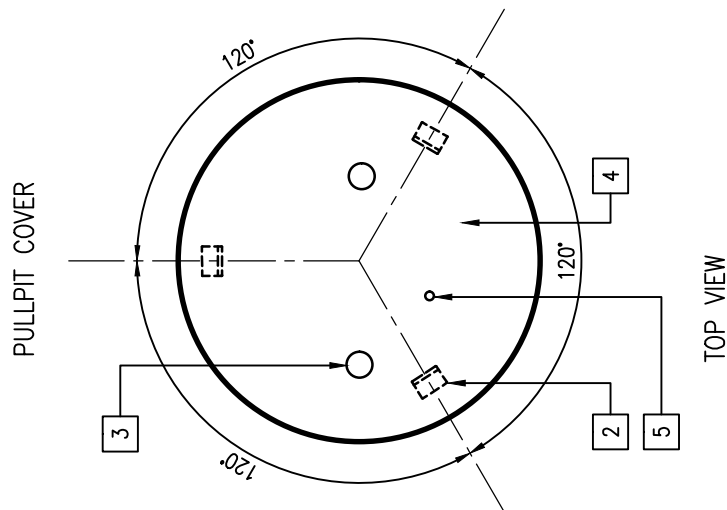
Approved by:	B. CHERNISH	drawing title <b>TYPICAL ISOLATING TRANSFORMER DETAIL</b>
Designed by:	B. CHERNISH	
Drawn by:	D. LADAN	
Reviewed by:		
date AUGUST 2001	scale N.T.S.	sheet 0000S230P020
		REV. 0



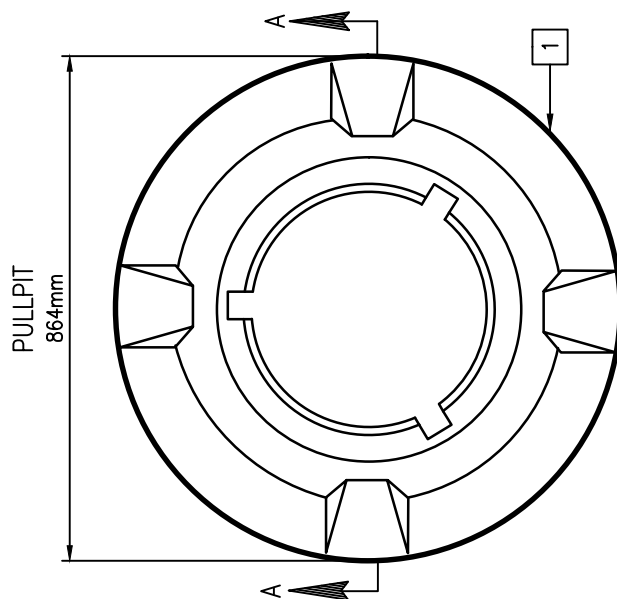
NOTES:

- 1 ALL DIMENSIONS ARE IN MILLIMETRES.
- 2 ENSURE STEEL COVER IS 75mm BELOW GRADE.

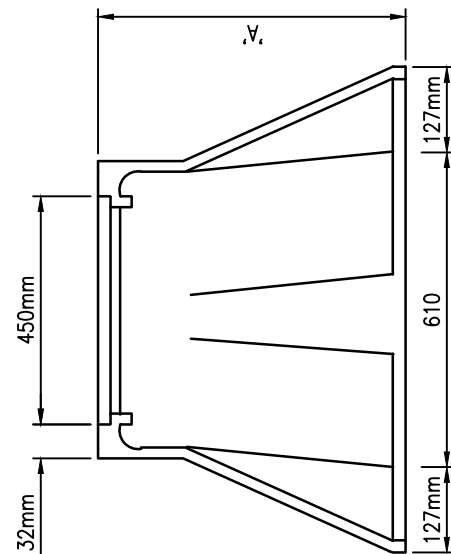
Approved by:		drawing title	<b>WILDLIFE RESISTANT ISOLATING TRANSFORMER PULLPIT AND DUCT INSTALLATION DETAIL</b>
Designed by:	M. AMES		
Drawn by:	D. LADAN		
Reviewed by:	B. CHERNISH		
date	JANUARY 2007	scale	N.T.S.
sheet	0000S230P021-3		REV. 0



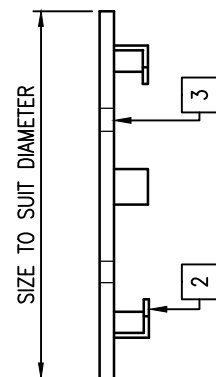
TOP VIEW



TOP VIEW



FRONT VIEW - SECTION AA



SIDE VIEW

NOTES:

① HEIGHT 'A' - 450mm OR 600mm AS INDICATED ON DRAWINGS.

5	PULLPIT - APPROVED MANUFACTURERS: CENTURY PLASTICS, POLYRAMA PLASTIC, POLYTECH PLASTICS
4	LOCKING ANGLES
3	COVER TURNING/LIFTING HOLES
2	GALVANIZED METAL COVER
1	10mm 16 TAPPED HOLE FOR GROUND LUG
ITEM	DESCRIPTION

Approved by:	B. CHERNISH
Designed by:	B. CHERNISH
Drawn by:	D. LADAN
Reviewed by:	

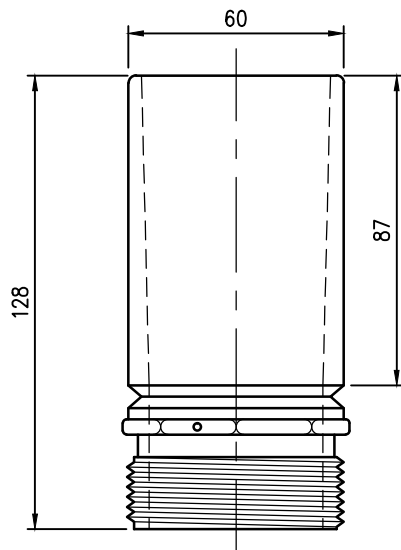
drawing title

**AIRFIELD LIGHTING TRANSFORMER  
PULLPIT DETAILS**

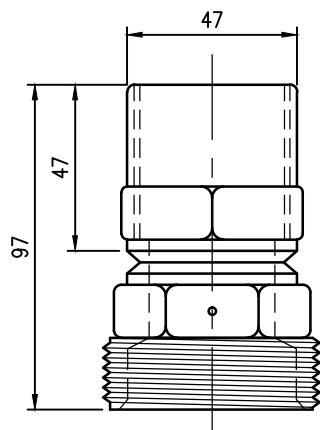
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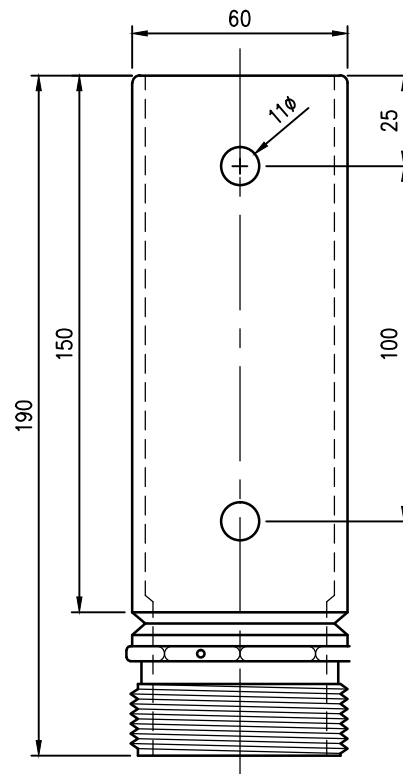
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EDGE UNIT COUPLING  
TYPE I



COLUMN COUPLING  
TYPE III



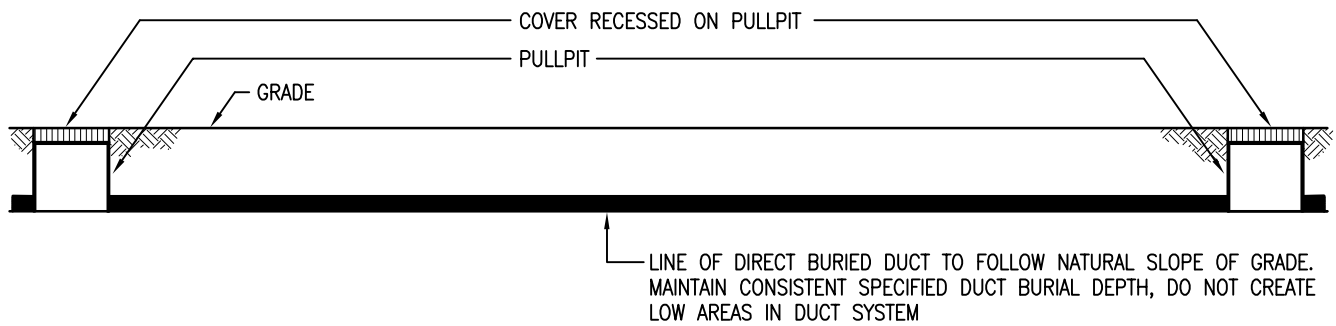
H.I. APPROACH UNIT COUPLING  
TYPE II

NOTES:

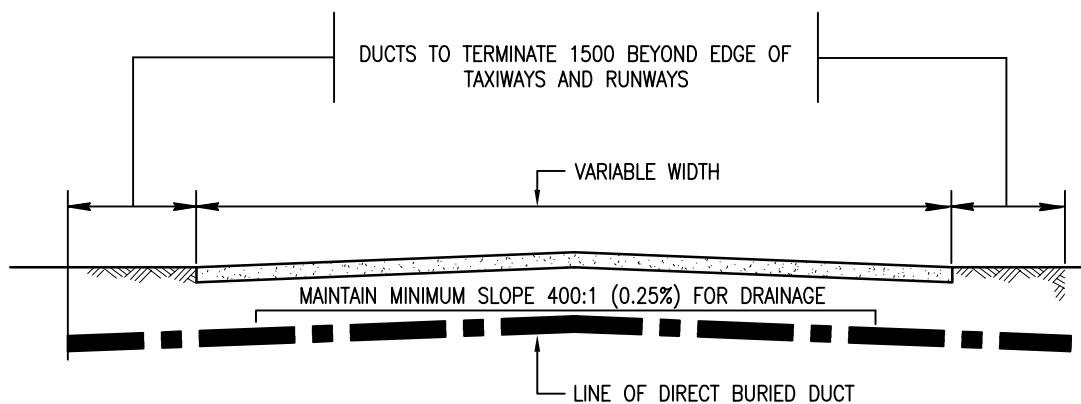
- ① ALL DIMENSIONS ARE IN MILLIMETRES.
- ② THREADS OF BREAKABLE COUPLING ARE TO BE COATED WITH ANTI-SEIZE COMPOUND BEFORE INSTALLATION. ANTI-SEIZE COMPOUND TO BE THOMAS & BETTS KOPR-SHIELD OR EQUIVALENT.

5	STANDARD 38mm PIPE THREAD
4	NUT SHAPE SHOULDER
3	BREAK-OFF GROOVE
2	DRAIN HOLE
1	STANDARD 50mm PIPE THREAD
ITEM	DESCRIPTION

Approved by:	B. CHERNISH	drawing title <b>ALUMINUM BREAKABLE COUPLINGS</b>		
Designed by:	B. CHERNISH			
Drawn by:	D. LADAN			
Reviewed by:				
date <b>APRIL 2002</b>		scale <b>N.T.S.</b>	sheet <b>0000S230P030</b>	REV. <b>0</b>



### PVC & FRE DUCT UNDER COMMON BACKFILL



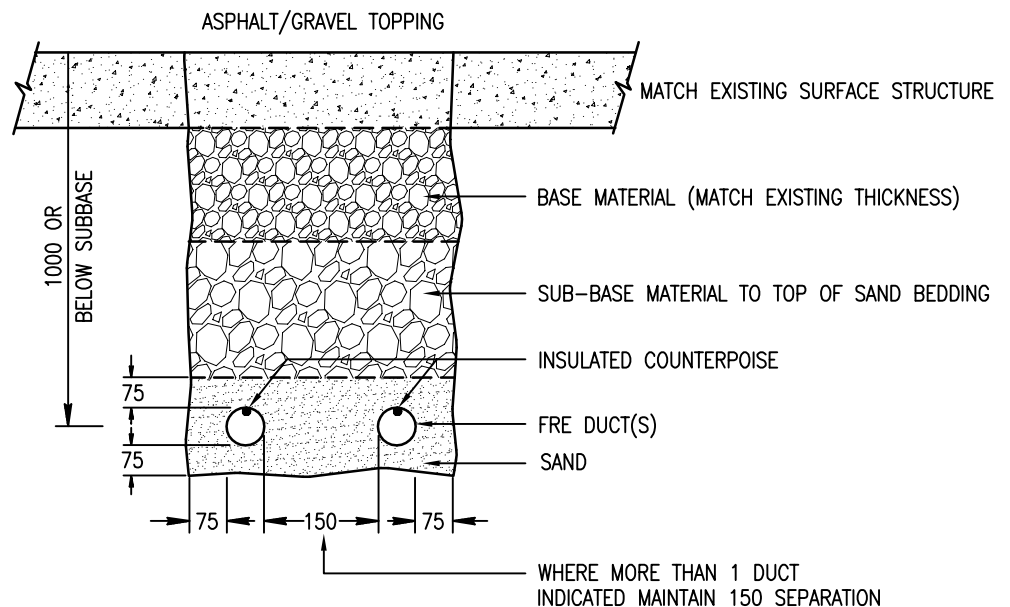
### FRE DUCT UNDER RUNWAYS/TAXIWAYS

#### NOTES:

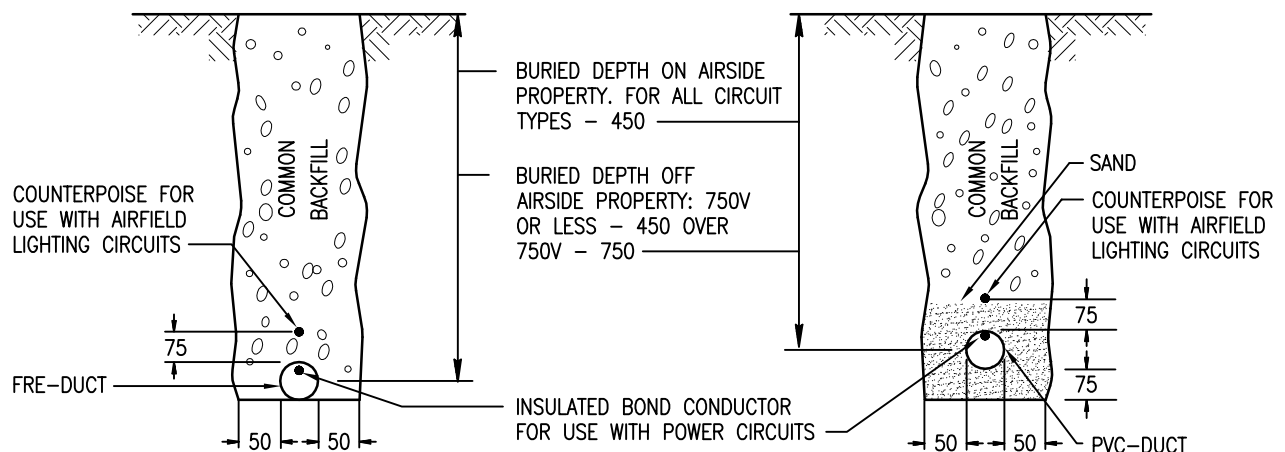
- ① WHOLES NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS INDICATE METRES.

SHEET: 1 of 2

Approved by:		B. CHERNISH	drawing title  <b>DIRECT BURRIED PVC AND FRE DUCT INSTALLATION DETAILS</b>	
Designed by:		B. CHERNISH		
Drawn by:		D. LADAN		
Reviewed by:				
date <b>AUGUST 2001</b>		scale <b>N.T.S.</b>	sheet <b>0000S230P041</b>	REV. <b>0</b>



FRE DUCT DIRECT BURIED BENEATH ASPHALT OR GRAVEL  
RUNWAYS, TAXIWAYS OR ROADWAYS



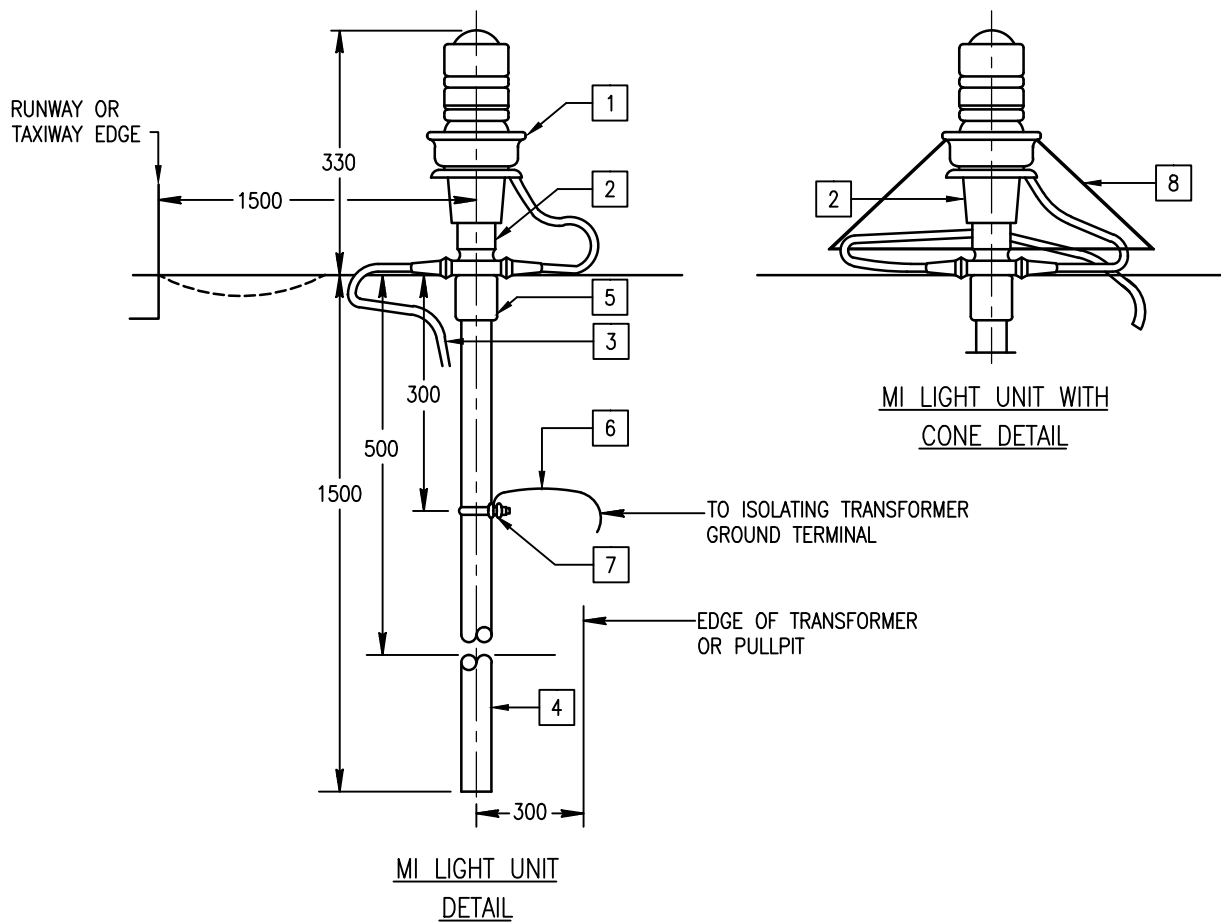
DIRECT BURIED IN COMMON BACKFILL IN NON  
VEHICULAR TRAFFIC AREAS

NOTES:

- ① WHOLE NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS ARE IN METRES.

SHEET: 2 of 2

Approved by:	B. CHERNISH	drawing title	<b>DIRECT BURIED PVC AND FRE DUCT INSTALLATION DETAILS</b>
Designed by:	B. CHERNISH		
Drawn by:	D. LADAN		
Reviewed by:			
date	AUGUST 2001	scale	N.T.S.
sheet	0000S230P041		REV. 0

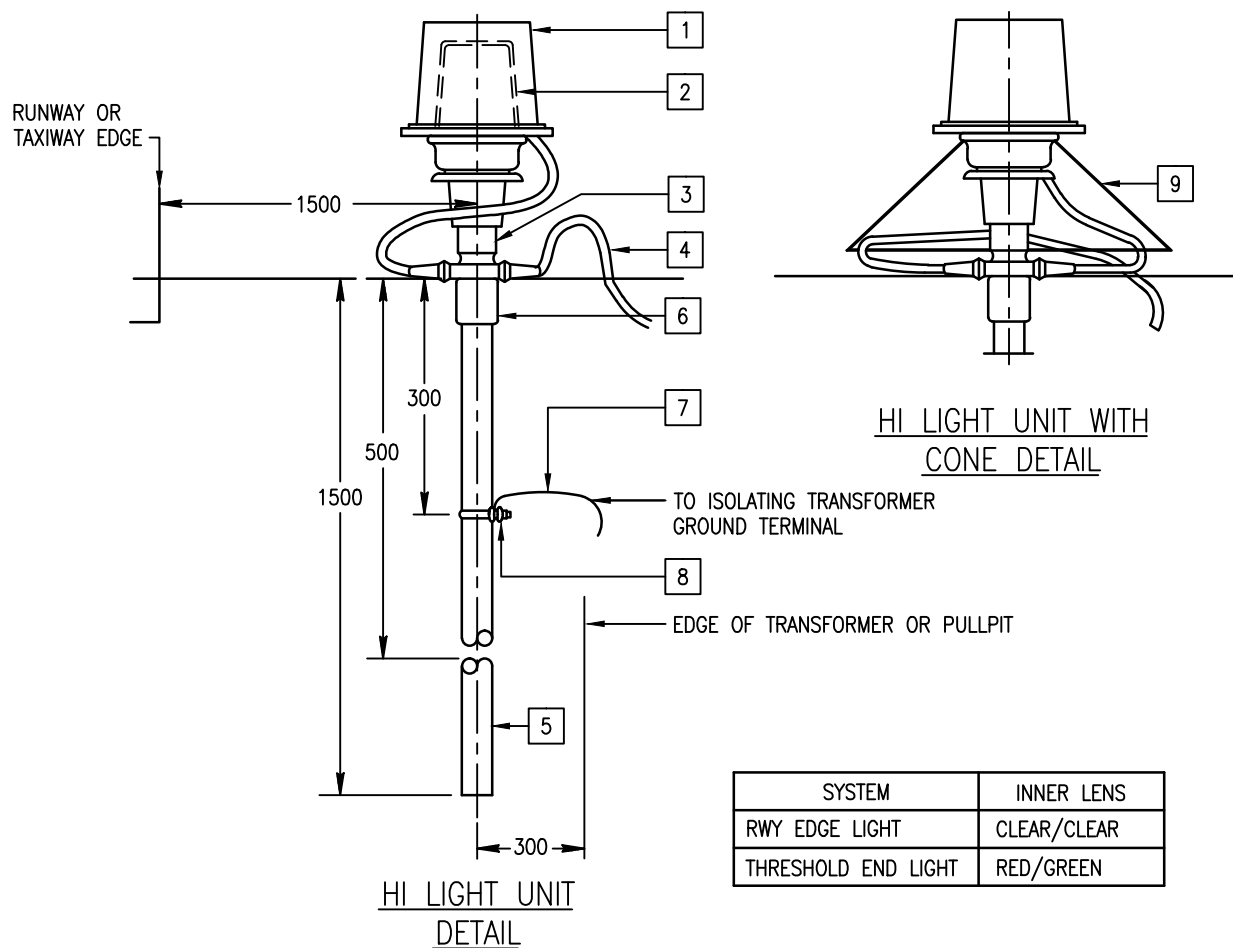


NOTES:

- ① WHOLE NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS INDICATE METRES.
- ② ITEM #4 TO BE PLUMB AND VERTICAL.

8	154 x 457 ORANGE DAY IDENTIFICATION CONE
7	GROUND CONNECTOR
6	1/C #8 SDBC GROUND COUNTERPOISE
5	50Ø RIGID GALVANIZED STEEL CONDUIT COUPLING
4	50Ø RIGID GALVANIZED STEEL CONDUIT ANCHOR
	OR 50 X 50 ANCHOR STAKE (CONDUIT SHOWN)
3	ISOLATING TRANSFORMER SECONDARY CABLE
2	BREAKABLE COUPLING
1	MI EDGE LIGHT UNIT
ITEM	DESCRIPTION

Approved by:	B. CHERNISH	drawing title  <b>MI EDGE LIGHT INSTALLATION DETAIL</b>		
Designed by:	B. CHERNISH			
Drawn by:	D. LADAN			
Reviewed by:				
date <b>AUGUST 2001</b>		scale <b>N.T.S.</b>	sheet <b>0000S231P120</b>	REV. <b>0</b>



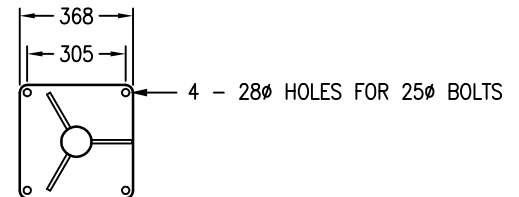
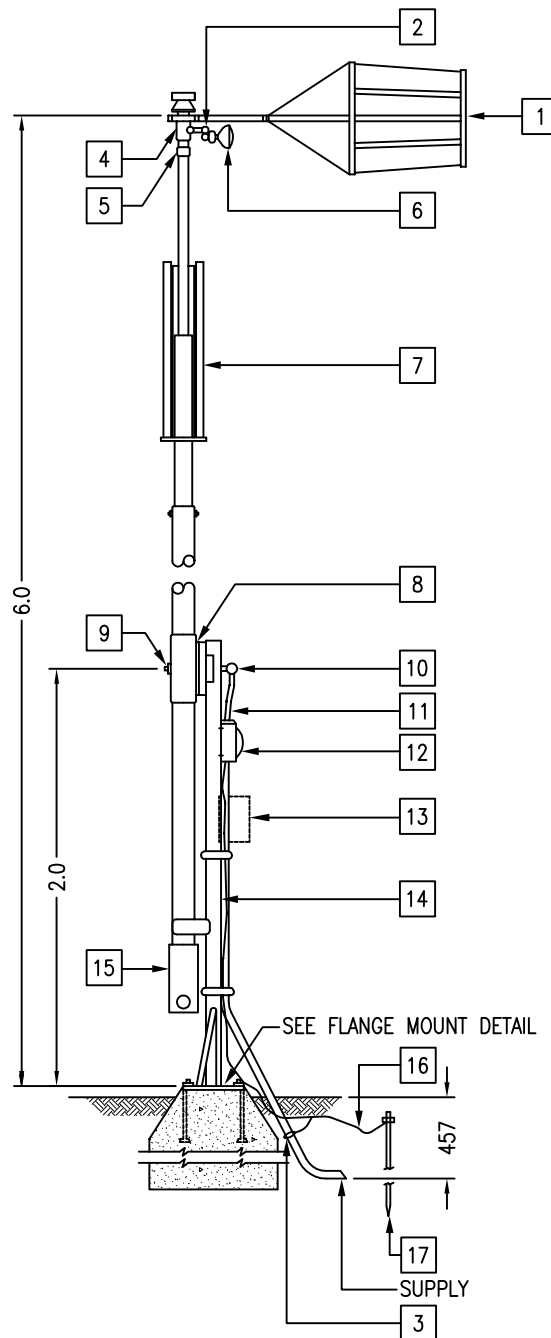
ITEM DESCRIPTION:

- 1 HI EDGE LIGHT UNIT (150W QUARTZ)
- 2 INNER LENS
- 3 BREAKABLE COUPLING
- 4 ISOLATING TRANSFORMER SECONDARY CABLE
- 5 50Ø RIGID GALVANIZED STEEL CONDUIT ANCHOR
- 6 50Ø RIGID GALVANIZED STEEL CONDUIT COUPLING
- 7 1/C#8 SDBC GROUND COUNTERPOISE
- 8 GROUND CONNECTOR: BURNDY GA3 OR EQUAL
- 9 154 x 457 ORANGE DAY IDENTIFICATION CONE

NOTES:

- 1 WHOLE NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS INDICATE METRES.
- 2 ITEM #4 TO BE PLUMB AND VERTICAL.

Approved by:	B. CHERNISH	drawing title <b>HI EDGE LIGHT INSTALLATION DETAIL</b>	
Designed by:	B. CHERNISH		
Drawn by:	D. LADAN		
Reviewed by:			
date <b>AUGUST 2001</b>	scale <b>N.T.S.</b>	sheet <b>0000S231P121</b>	REV. <b>0</b>



FOR WIND CONE FOOTING  
DETAIL REFER TO DRAWING  
0000S245P002

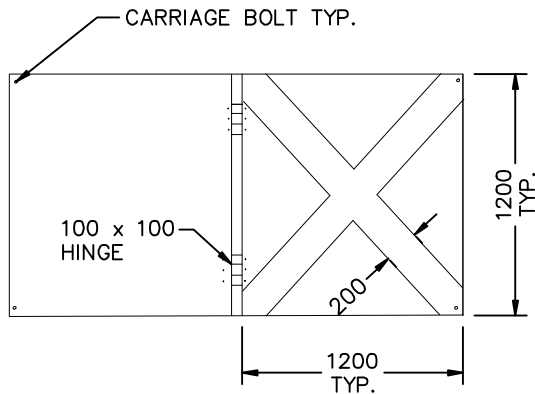
**FLANGE MOUNT DETAIL**

15	TANK WITH 2 BUNGS FOR FILLING AND EMPTYING SAND BALLAST
14	25Ø RIGID GALVANIZED CONDUIT
13	TRANSFORMER OR C.C./C.V. CONVERTER (SEE NOTE #3)
12	RAINTIGHT CEMA 3 ENCLOSURE C/W 240V 15A1P BREAKER
11	19Ø RIGID GALVANIZED CONDUIT
10	CROUSE HINDS TYPE GUAL26 FITTING
9	FRICTION DISC ADJUSTABLE NUT
8	FRICTION DISCS
7	HINGED LEG
6	PAR 38Ø - 150W PROJECTOR SPOT
5	38Ø PIPE COUPLING
4	BALL BEARING SWIVEL WITH SLIP RINGS
3	GROUND CONNECTOR
2	ADJUSTABLE PIVOT
1	ATTATCHMENT FOR 927Ø WIND CONE
ITEM	DESCRIPTION

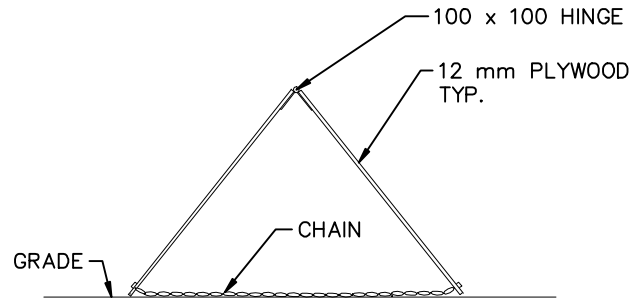
**NOTES:**

- 1 WHOLE NUMBERS ARE IN MILLIMETRES, DECIMALIZED NUMBERS INDICATE METRES.
- 2 USE #8 GROUND WIRE FOR SUPPLY FROM SERIES CIRCUIT. USE #6 GROUND WIRE FOR SUPPLY FROM PARALLEL CIRCUIT.
- 3 TRANSFORMER OR CONVERTER SHALL BE GROUNDED TO THE SUPPLY CONDUIT.

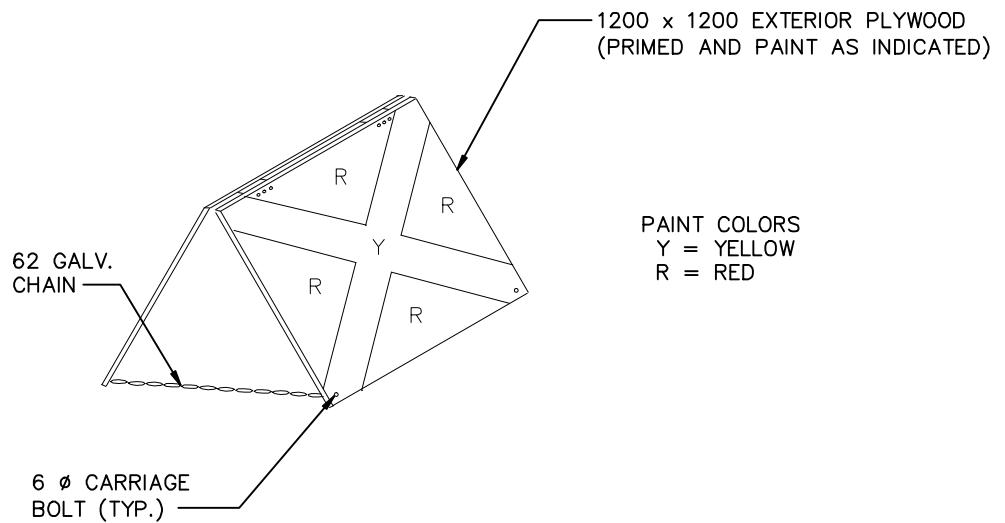
Approved by:		B. CHERNISH	drawing title  <b>ILLUMINATED WIND CONE DETAIL</b>	
Designed by:		B. CHERNISH		
Drawn by:		D. LADAN		
Reviewed by:				
date <b>JUNE 2003</b>		scale <b>N.T.S.</b>	sheet <b>0000S239P490</b>	REV. <b>0</b>



PLAN



ELEVATION



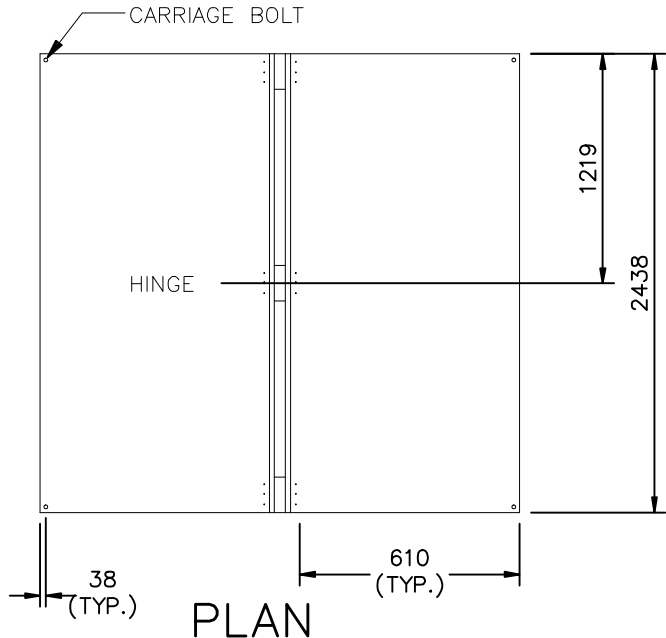
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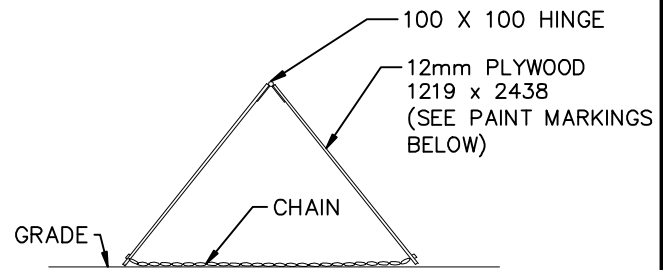
- 1-SHEET 12 SELECT SHEATHING GRADE – EXTERIOR PLYWOOD (PRIMED AND PAINTED AS INDICATED)
- 2-100x100 FULL MORTISE BROAD HINGE
- 12-FLAT HEAD SLOTTED STOVE BOLTS C/W NUTS AND WASHERS
- 62 MACHINE CHAIN TWIST LINK (TRADE SIZE 1/0)
- 4-6 DIA. CARRIAGE BOLTS x 44 LONG C/W NUTS AND WASHERS

ALL DIMENSIONS IN MILLIMETRES

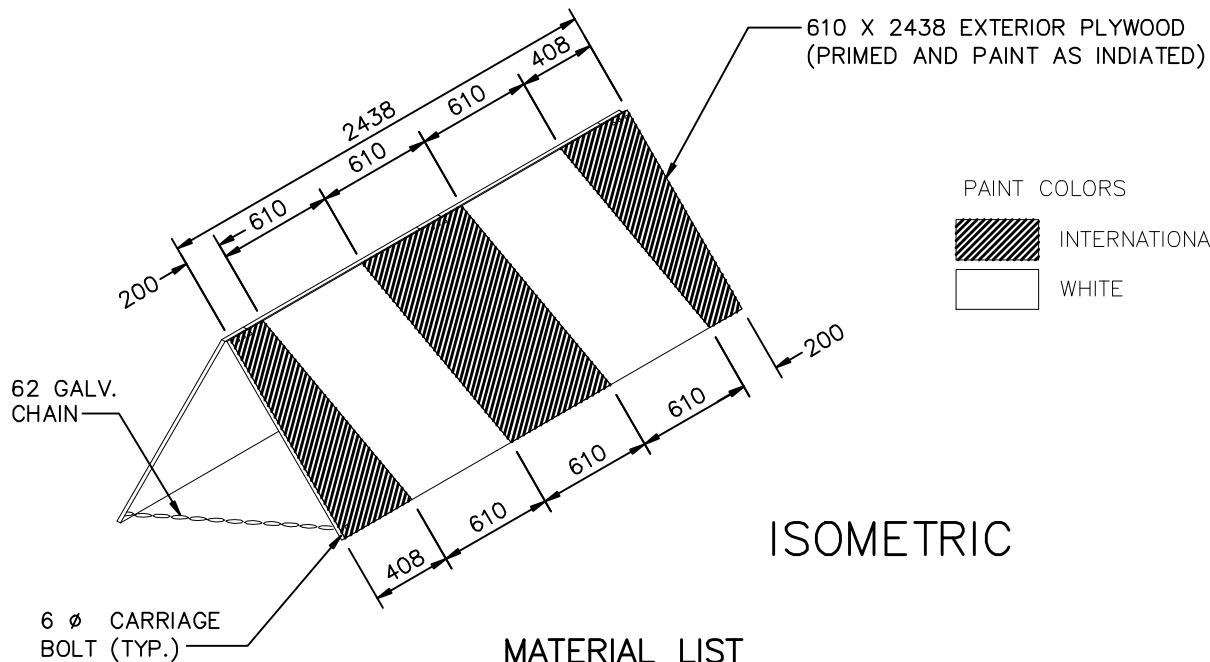
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designed by concu par		date date	project no. project no
drawn by dessine par D.CHARTIER		sheet SD-601	feuille REV.



PLAN



ELEVATION



ISOMETRIC

PAINT COLORS



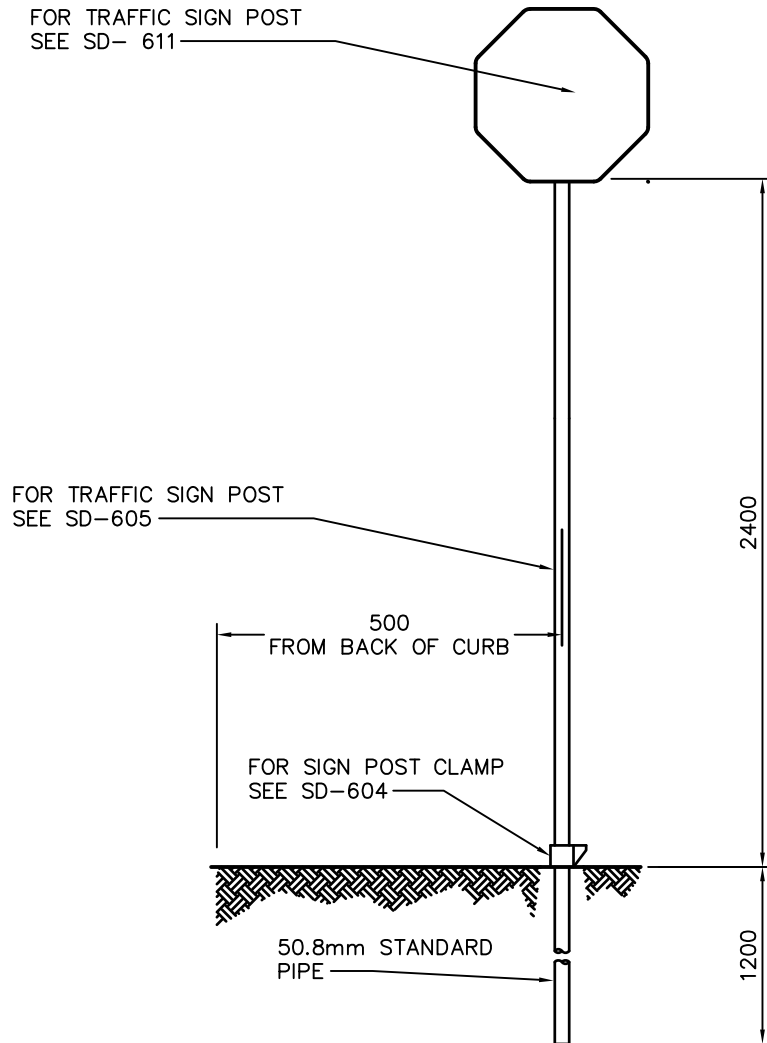
INTERNATIONAL ORANGE  
WHITE

MATERIAL LIST

1. 12 SELECT SHEATHING GRADE - EXTERIOR PLYWOOD (PRMED AND PAINTED AS INDICATED)
2. 3-100 x 100 FULL MORISE BROAD HINGE
3. 18-FLAT HEAD SLOTTED STOVE BOLTS C/W NUTS AND WASHERS
4. 62 MACHINE CHAIN TWIST LINK (TRADE SIZE 1/0)
5. 4-6 DIA. CARRIAGE BOLTS x 44 LONG C/W NUTS AND WASHERS

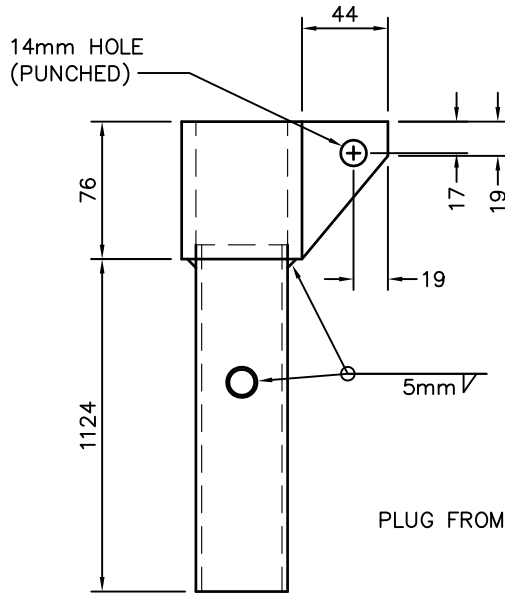
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approved by approuve par designed by concu par drawn by dessine par		scale echelle date date sheet	Cadd no. A Cadd no. project no. projet no feuille REV.
S.SINGH		N.T.S.	
D.CHARTIER			
		SD-609	

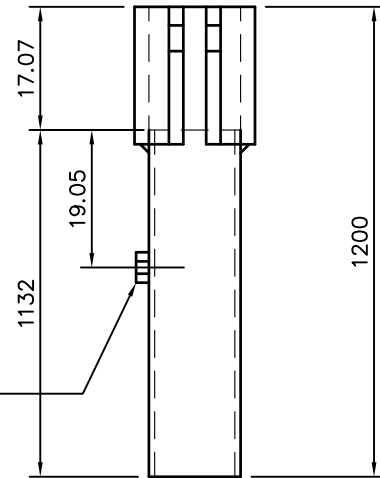


ALL DIMENSIONS IN MILLIMETERS

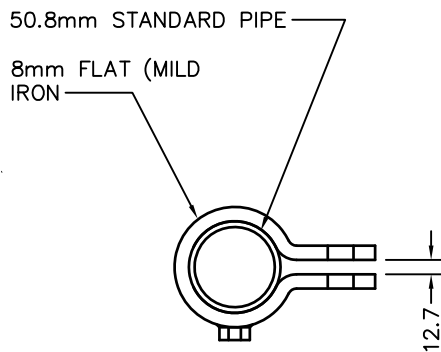
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designed by conçu par		Cadd no. Cadd no.	A
drawn by dessiné par	D.CHARTIER	project no. projet no	
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		feuille	REV.



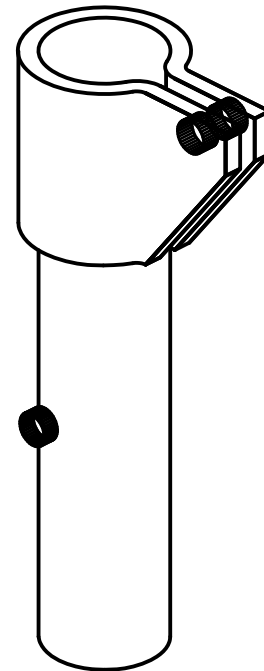
SIDE VIEW



FRONT VIEW

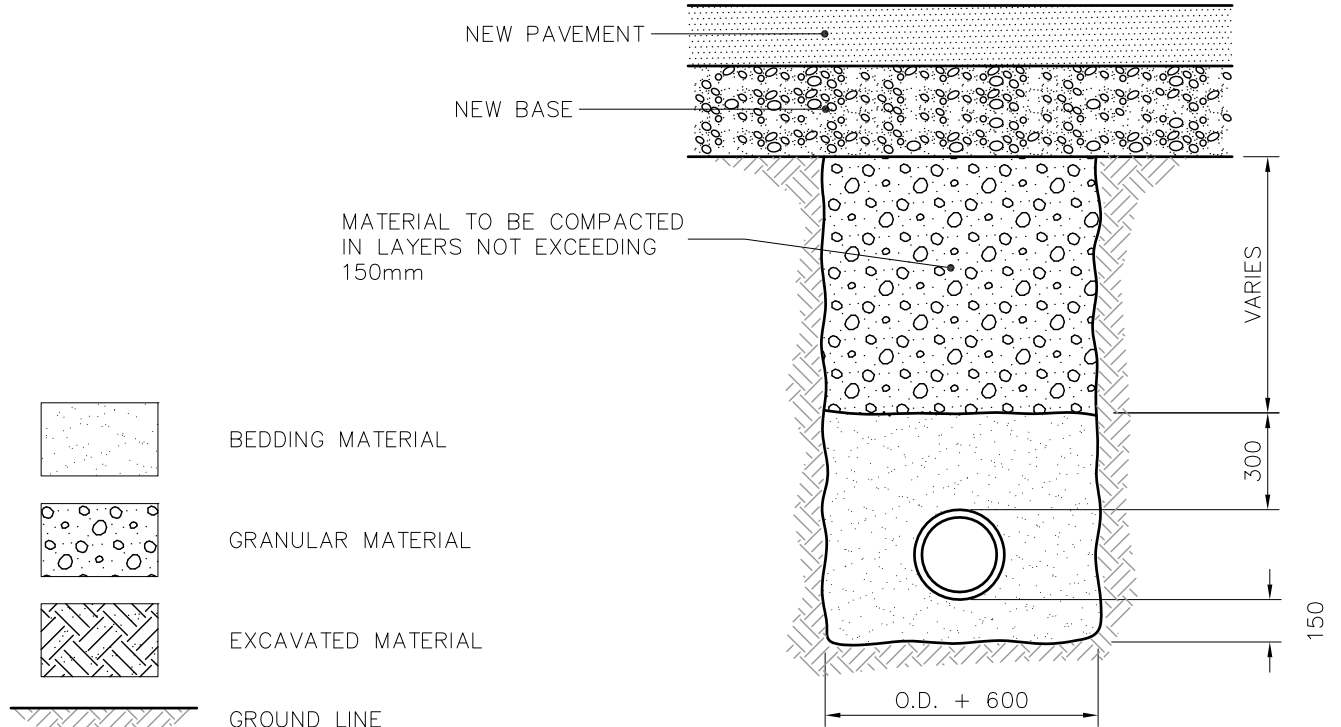


TOP VIEW



ALL DIMENSIONS IN MILLIMETERS

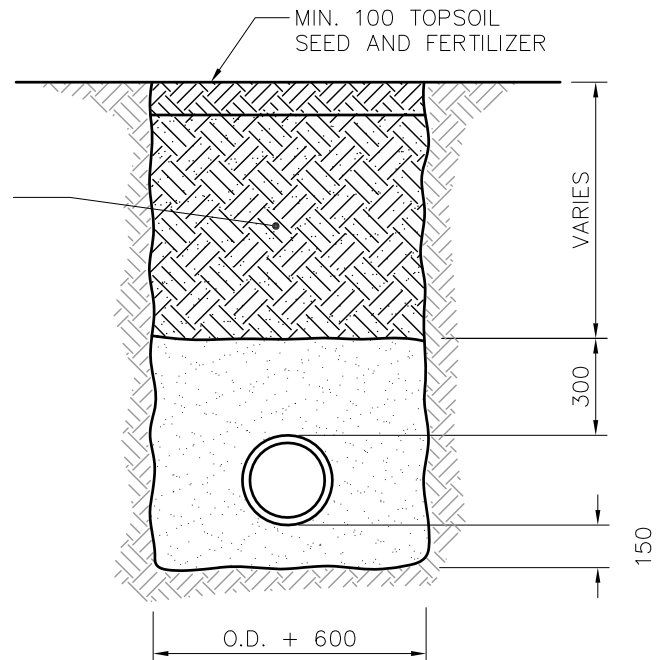
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designed by conçu par		date		project no. projet no.
drawn by dessiné par	D.CHARTIER	sheet	SD-639	feuille REV.



**STANDARD BEDDING & CLASS 1 BACKFILL**

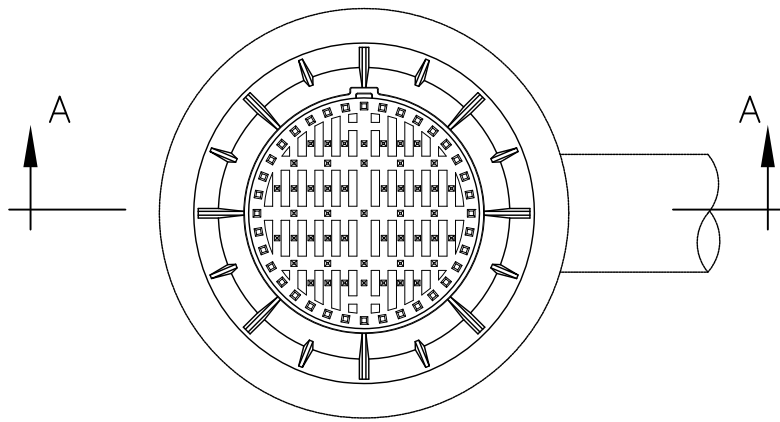
NOTE:  
SLOPING TRENCH SIDEWALL TO START  
600 ABOVE TOP OF PIPE IF REQUIRED.

DIMENSIONS IN MILLIMETRES

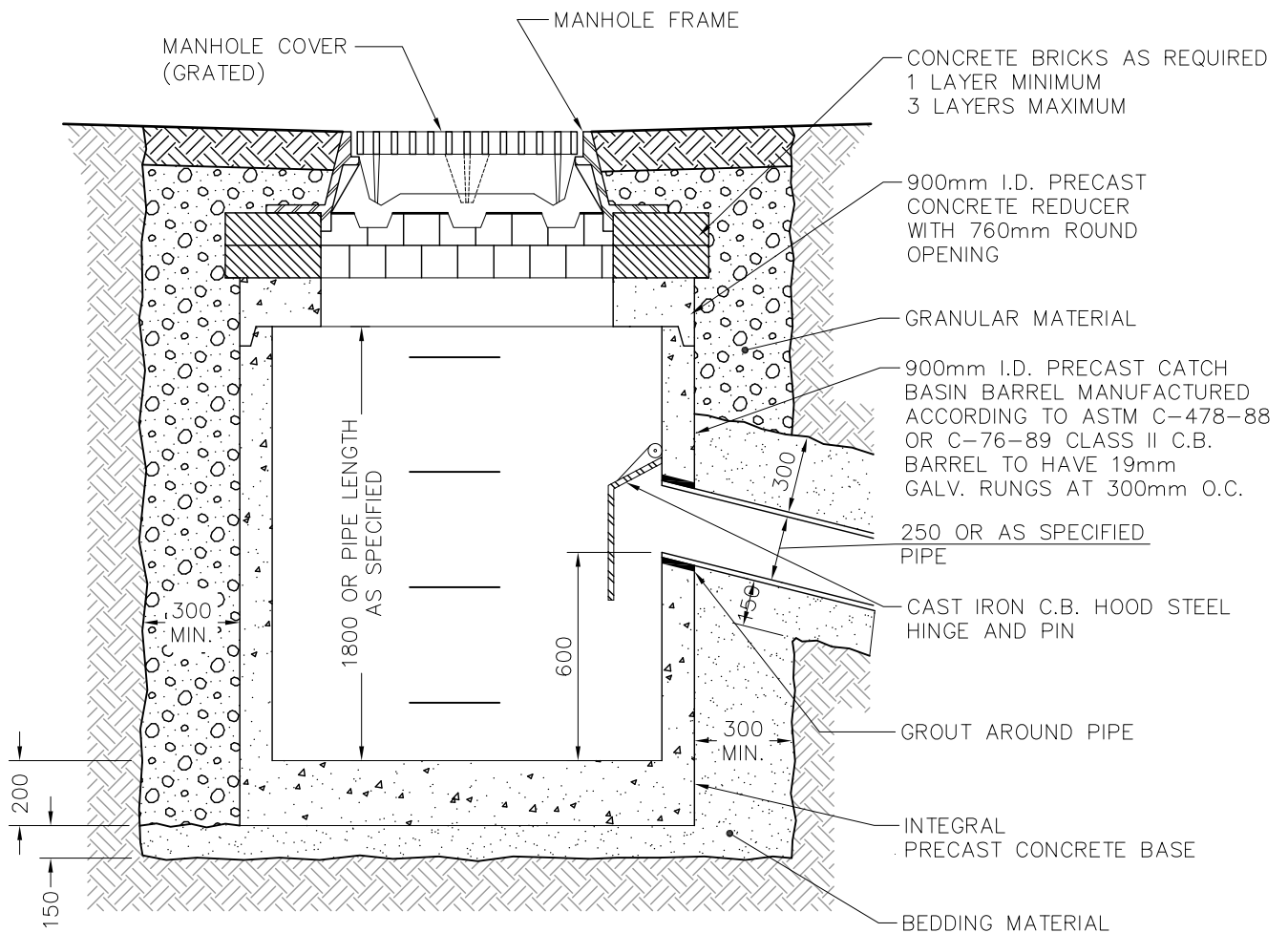


**STANDARD BEDDING & CLASS 2 BACKFILL**

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approuve par				echelle		Cadd no.	
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concu par				date		projet no	
drawn by				sheet		feuille	
dessine par				SD-2000		REV.	



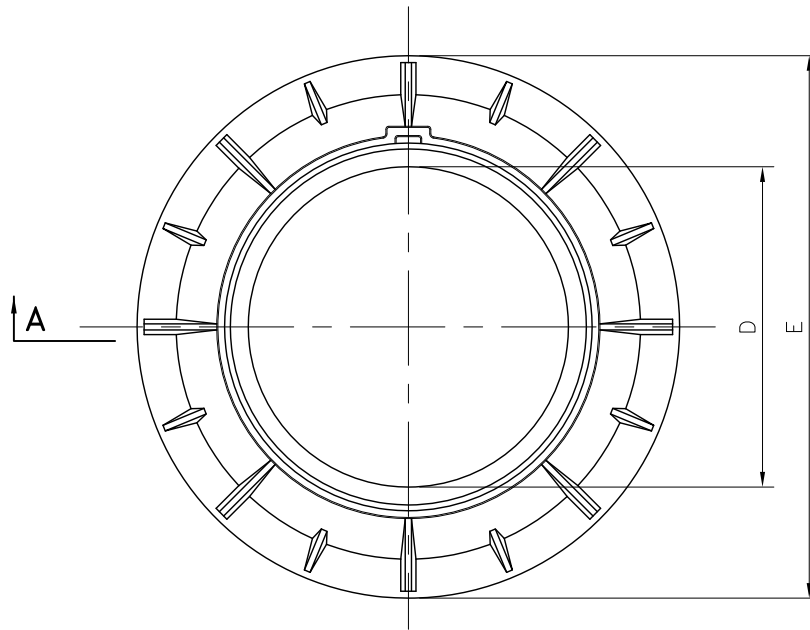
PLAN



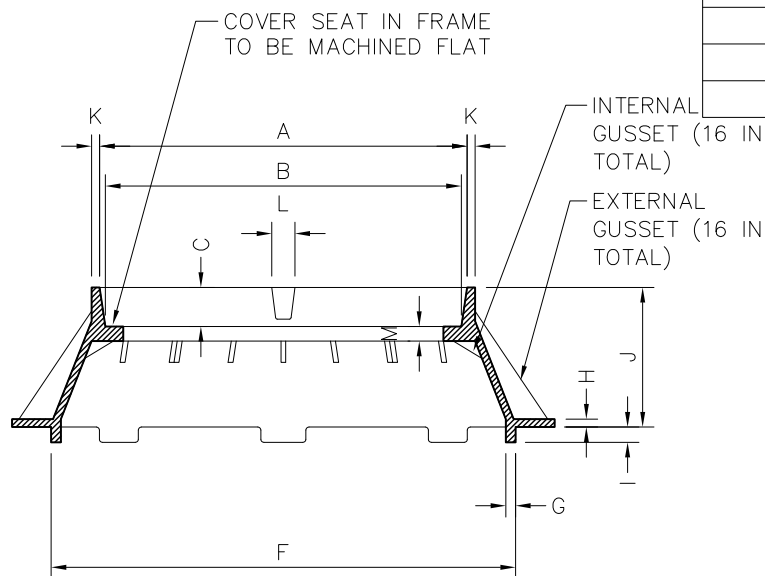
SECTION A-A

DIMENSIONS IN MILLIMETRES

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approuve par				echelle		Cadd no.	
designed by				date		project no.	
concu par				date		projet no	
drawn by		D.CHARTIER		sheet	SD-2203		feuille
dessine par						REV.	



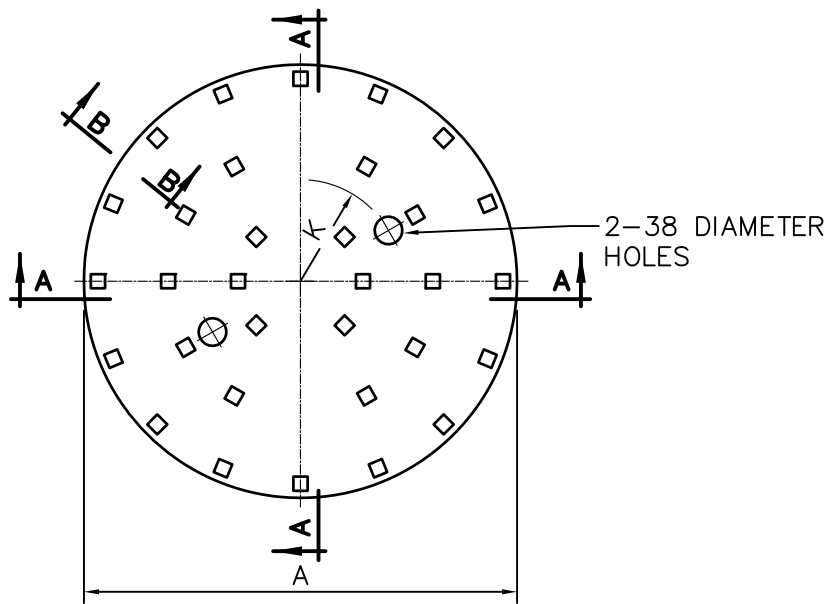
DIMENSIONS	VALUE	TOLERANCE
A	603	$\pm 2$
B	590	$\pm 5$
C	64	$\pm 1$
D	521	$\pm 2$
E	890	$\pm 10$
F	757	$\pm 5$
G	16	$\pm 4$
H	19	$\pm 6$
I	27	$\pm 3$
J	227	$\pm 4$
K	17	$\pm 4$
L	38	$\pm 6$
M	25	$\pm 3$



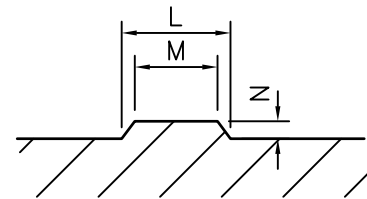
## SECTION A-A

DIMENSIONS IN MILLIMETRES

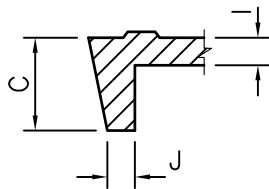
project title titre du projet		drawing title titre du dessin	
		MANHOLE FRAME	
approved by approuvé par designed by conçu par		scale échelle	Cadd no. Cadd no.
drawn by dessiné par		date date sheet	project no. projet no.
S.SINGH		N.T.S.	A
D.CHARTIER		SD-2300	feuille REV.



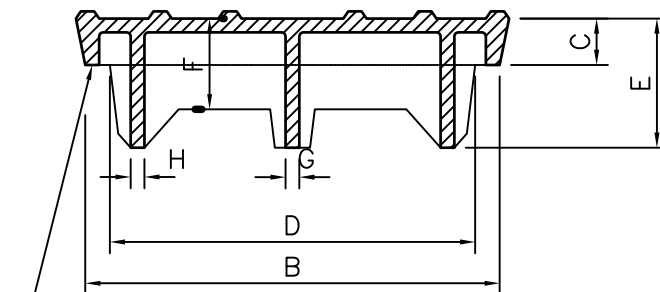
**NOTE:**  
COVERS SHALL HAVE A  
MINIMUM OF 32 CHECKERS.  
LOCATIONS OF CHECKERS  
SHOWN ARE TO BE  
CONSIDERED APPROXIMATE



## CHECKER DETAIL



## SECTION B-B



## SECTION A-A

BOTTOM OF COVER RIM  
TO BE MACHINED FLAT

DIMENSIONS		
DIMENSIONS	VALUE	TOLERANCE
A	597	±2
B	575	±6
C	64	±1
D	506	±12
E	170	±30
F	125	±6
G	12	±6
H	12	±6
I	19	±2
J	23	±6
K	140	±6
L	25	±2
M	19	±2
N	4	±2

## DIMENSIONS IN MILLIMETRES

project title titre du projet		drawing title titre du dessin	
		MANHOLE COVER (SOLID)	
approved by approuvé par	S.SINGH	scale échelle	N.T.S.
designed by conçu par		Cadd no. Cadd no.	A
drawn by dessiné par	D.CHARTIER	date	project no. projet no
		sheet	SD-2301
		feuille	REV.