

KATALOG VE TEKNİK DOKÜMANLAR 2025

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 **İLTAY**  **MAKİNE**



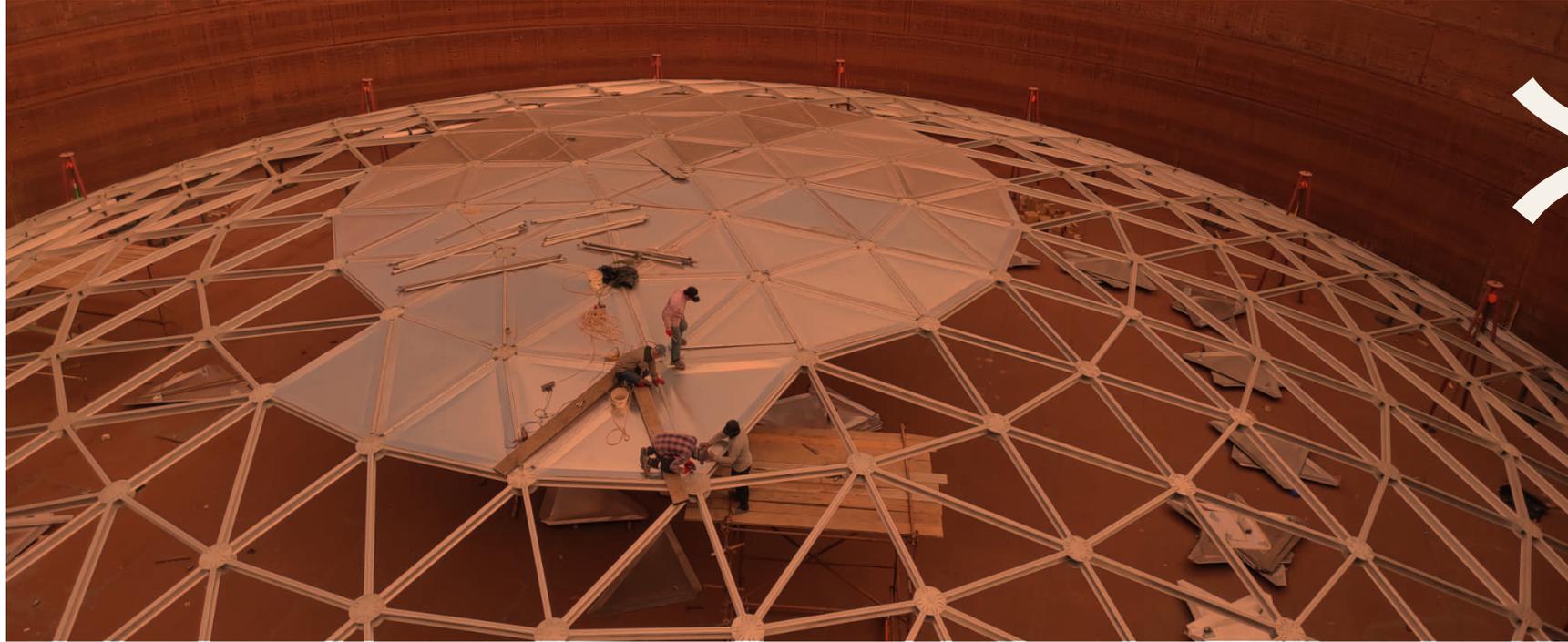
Hakkımızda

Firmamız, 18 Eylül 2018 tarihinden bu yana faaliyet göstermekte olup, talaşlı imalat ve petrol tank sektöründe iç yüzer tavan parçaları üretimiyle uzmanlaşmıştır.

Gelişen dünya hizmet pazarında, yurt içi ve yurt dışında petrol tankları ve talaşlı imalat dünyasında kaliteli ve güvenli bir şekilde dünya markası olmayı hedeflemekteyiz.

Müşteri memnuniyetini temel değerlerimizin odak noktası olarak kabul ediyoruz. Teknolojik yenilikler ve endüstri standartlarına uygun süreçleri takip ederek, ürünlerimizin kalitesini sürekli olarak artırmak için çaba gösteriyoruz. Müşterilerimize sadece yüksek kaliteli ürünler sunmakla kalmayıp, aynı zamanda mühendislik çözümleri ve hızlı teslimatlarla da destek oluyoruz.

Ekibimiz, uzmanlık ve deneyimi bir araya getiren yetenekli bireylerden oluşmaktadır. Her bir çalışmamızın, müşterilerimize sağladığımız çözümlerde katma değer yaratma konusundaki önemli rolünün farkındayız ve bu nedenle sürekli eğitim ve gelişime odaklanıyoruz. İşbirliğine dayalı bir çalışma ortamı oluşturarak, herkesin fikirlerine değer veriyor ve yaratıcılığın önünü açıyoruz.



Vizyon ve Misyon

Vizyonumuz, petrol tank sektöründe dünya genelinde tanınan bir marka haline gelmek ve kalitede öncü olmaktır. Müşterilerimiz tarafından tercih edilen, güven duyulan ve itibar edilen bir şirket olmak için sürekli gelişmeye ve yeniliklere açık olacağız.

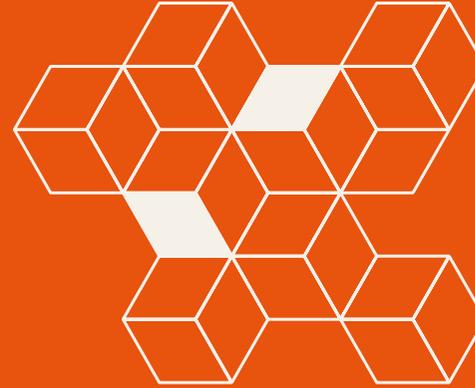
Misyonumuz, müşterilerimizin ihtiyaçlarına yönelik özelleştirilmiş çözümler sunarken en yüksek kalite standartlarını karşılamak ve aşmak için çalışmaktır. Sürdürülebilirlik ilkesine bağlı kalarak, çevreye duyarlı

üretim yöntemleri benimseyerek, sektörümüzde örnek bir model olmak ve topluma katkı sağlamak da misyonumuzun bir parçasıdır.

Değerlerimiz, dürüstlük, şeffaflık ve etik değerlere bağlılık üzerine inşa edilmiştir. Toplum ve çevre bilinciyle hareket ederken, çalışanlarımızın, müşterilerimizin ve tedarikçilerimizin mutluluğunu ön planda tutarak uzun vadeli ilişkiler kurmaya özen gösteriyoruz.

Müşteri memnuniyetini sağlamak, kaliteli ürünler sunmak ve sektörümüzde lider bir konuma gelmek için kararlılıkla ilerliyoruz. Hedeflerimize ulaşmak için, teknolojik gelişmeleri yakından takip edecek, sürekli iyileştirmeler yapacak ve müşterilerimize değer katan yenilikçi çözümler sunmaya devam edeceğiz.

 Tecrübe ve imalatın buluştuğu nokta



“

Kalitede
Ustalık,
İnovasyonda
Liderlik ”





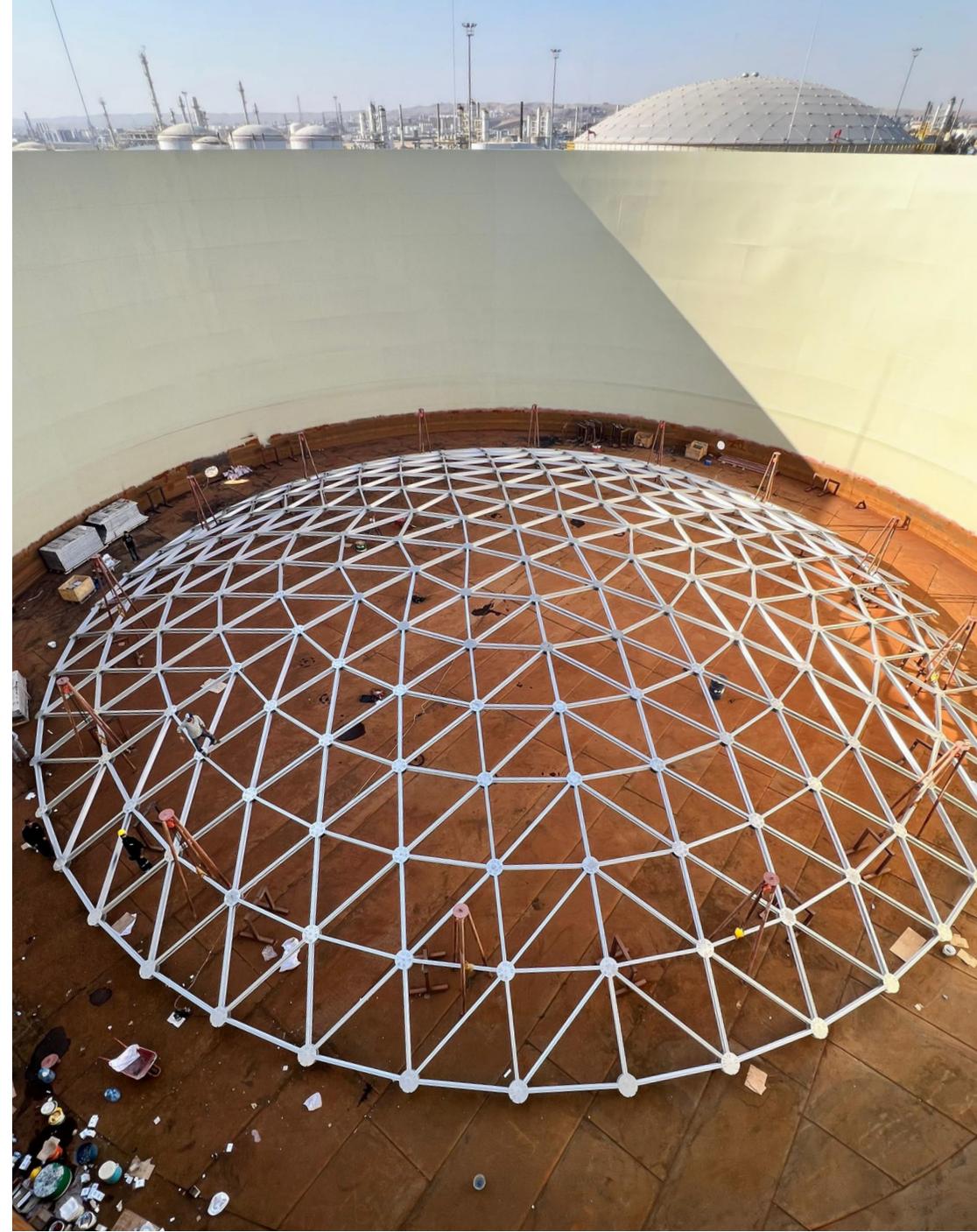
Endüstriyel Çözümlerde Güç ve Dayanıklılık

İLTAY MAKİNE, petrol tankı sektöründe iç yüzer tavan parçalarının üretimi konusunda uzmanlaşmıştır. Bu alandaki bilgi birikimimiz ve mühendislik deneyimimiz sayesinde, yüksek kalite standartlarında, uzun ömürlü ve güvenli çözümler sunmaktayız. İç yüzer tavan parçaları, özellikle petrol ve türevlerinin depolandığı tanklarda buhar kaybını azaltmak, çevresel etkileri minimuma indirmek ve operasyonel verimliliği artırmak amacıyla kullanılmaktadır.

Modern üretim teknolojilerimiz, titiz kalite kontrol süreçlerimiz ve sektörün ihtiyaçlarına yönelik geliştirdiğimiz özel çözümler ile müşterilerimize güvenilir ve sürdürülebilir ürünler sunuyoruz.

Neden İltay Makine

Geodesic kubbe çatılarında Alüminyum ve paslanmaz çelik gibi yüksek kaliteli, korozyona dayanıklı malzemeler kullanarak dayanıklılık ve uzun vadeli performans sağlar. Çatının tasarımı, birbirine bağlı üçgen elemanlarla olağanüstü güç ve denge sunan kendi kendini destekleyen bir yapı oluşturur. İLTAY MAKİNE, çeşitli depolama tanklarının özel ihtiyaçlarını ve özelliklerini karşılamak için geniş özelleştirme seçenekleri sunar.





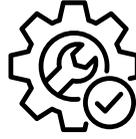
Teknik Özellikler

Ürünlerimiz, yüksek mukavemetli alüminyum alaşımlarından üretilmekte olup korozyona karşı üstün dayanım göstermektedir. Modüler tasarım sayesinde farklı çap ve kapasitelere uyarlanabilir, montajı hızlı ve güvenlidir. İç yüzer tavan parçaları, uluslararası API ve ISO standartlarına uygun olarak imal edilmekte, sızdırmazlık ve uzun ömürlü kullanım garantisi sunmaktadır.



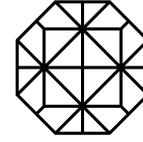
01. Üstün Mukavemet

Tasarladığımız ve birbirine bağlı üçgen elemanlardan oluşan kendi kendini destekleyen çerçeve, üstün mukavemet sağlar. Bu yenilikçi yapı, yüksek yük taşıma kapasitesi ile öne çıkar ve olağanüstü rüzgar ve kar yükü direnci sunar.



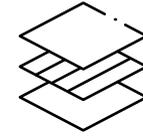
02. Hızlı ve Kolay Kurulum

Önceden üretilmiş elemanlar sayesinde, çatıları inşaat süresini kısaltır ve işçilik maliyetlerini düşürür. Geleneksel tank çatılarının aksine, bu yenilikçi kubbe çatılar önemli ölçüde yapısal desteğe ihtiyaç duymadan kolay ve hızlı kurulum imkanı sunar.



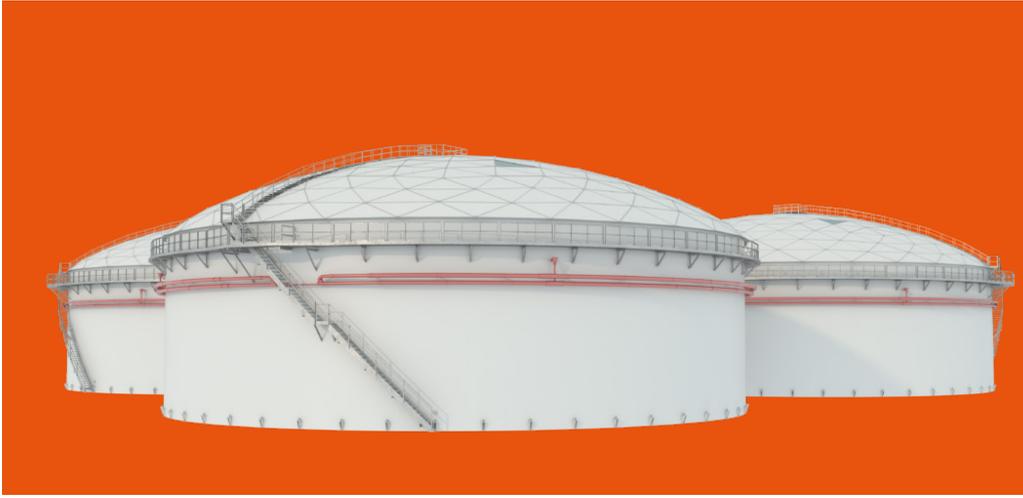
03. Esnek ve Modern Görünüm

Alüminyumun şık ve modern görünümü sayesinde yapıya estetik bir değer katmaktadır. Bu estetik, sadece görsel bir çekicilik sunmakla kalmaz, aynı zamanda mimari projelere çağdaş bir dokunuş ekler.



04. Hafif ve Dayanıklı

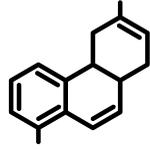
Alüminyumun hafif yapısı, taşıma ve montajı kolaylaştırır. Çevresel faktörlere karşı üstün koruma sağlayan yüksek kaliteli malzemelerden üretilmiştir. Aynı zamanda yüksek mukavemeti sayesinde ağır yüklere dayanıklı bir yapı sağlar.



05.

Uygun Malzeme Seçimi

Alüminyum Geodesic Kubbe için doğru parçaları seçmek, müşteriler için zorlayıcı olabilir. Örneğin, profil bağlantısının sağlamlığını artırmak için her zaman kilit cıvatalarının kullanılmasını öneriyoruz. Doğru contanın kullanılması, alüminyum jeodezik kubbe çatının ömrünü de etkileyebilir.



06.

Kimyasal Uyumluluk

Alüminyumun çoğu kimyasal maddeye karşı reaktif olmayan doğası sayesinde, depolanan ürünlerin kontamine olmasını engeller. Bu özellik, depolama süreçlerinin güvenli ve emniyetli bir şekilde yönetilmesini garanti eder.



Örnek Projeler

Bugüne kadar petrol, kimya, enerji ve su depolama sektörlerinde birçok başarılı projeye imza attık. Farklı kapasite ve özelliklerdeki depolama tankları, alüminyum kubbe çatılar ve iç yüzer tavan sistemleri, yurtiçinde ve yurtdışında güvenle kullanılmaktadır. Tamamlanan projelerimiz, mühendislik gücümüzün ve kalite anlayışımızın en güçlü referansı niteliğindedir.



Referanslar

Sektörün önde gelen firmalarıyla gerçekleştirdiğimiz iş birlikleri, güvenilirliğimizin ve kalite anlayışımızın en önemli göstergesidir. Bugüne kadar birçok ulusal ve uluslararası markaya hizmet vermekten gurur duyuyoruz. Aşağıda yer alan logolar, iş ortaklarımızla kurduğumuz güçlü ve kalıcı ilişkilerin bir yansımasıdır.



Sertifikalar

Ürün ve hizmetlerimiz, uluslararası kalite ve güvenlik standartlarına uygun olarak üretilmektedir. Sahip olduğumuz sertifikalar, mühendislik gücümüzü, üretim kalitemizi ve müşteri memnuniyetine verdiğimiz önemi belgelendirmektedir.

CERTIFICATE

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J BLOK NO: 7/10 K. KAPI NO: Z03
SEYHAN ADANA

Kuruluşunun "BİNA PROJELERİNE YÖNELİK MÜHENDİSLİK VE DANIŞMANLIK FAALİYETLERİ" Kapsamı için

For scope "ENGINEERING AND CONSULTANCY ACTIVITIES FOR BUILDING PROJECTS"

İŞ SAĞLIĞI VE GÜVENLİĞİ YÖNETİM SİSTEMİ
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM

Kuruluşuna ve uyguladığı belgelendirmeye ve BEL tarafından gerçekleştirilen denetim bu yönetim sisteminin sağladığı standartlara tamamen karşılıklı olarak uygundur.

It certifies that it is established and implemented, and the audit performed by BEL confirms that this management system meets the requirements of the following standard.

ISO 45001:2018

Sertifika Numarası / Certificate Number : A1582362
Sertifika Kodu / Certificate Code : DPA YAPI
Sertifika Yayımlanma Tarihi / Certificate Issue Date : 13.06.2025
Sertifika Geçerlilik Tarihi / Certificate Validity Date : 13.06.2026
Sertifika Periyodu / Certificate Period : 1 Yıl / 1 Year

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KURUMSAL RİSK YÖNETİM SİSTEMİ
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ISO 31000:2018

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SOSYAL SORUMLULUK YÖNETİM SİSTEMİ
SOCIAL RESPONSIBILITY MANAGEMENT SYSTEM

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ISO 26000:2021

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Sertifika Yayımlanma Tarihi / Certificate Issue Date : 13.06.2025
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For scope "ENGINEERING AND CONSULTANCY ACTIVITIES FOR BUILDING PROJECTS"

KALİTE YÖNETİM SİSTEMİ
QUALITY MANAGEMENT SYSTEM

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ISO 9001:2015

Sertifika Numarası / Certificate Number : A1582329
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"CUSTOMER SATISFACTION AND COMPLAINTS MANAGEMENT SYSTEM"

(ISO 10002:2018)

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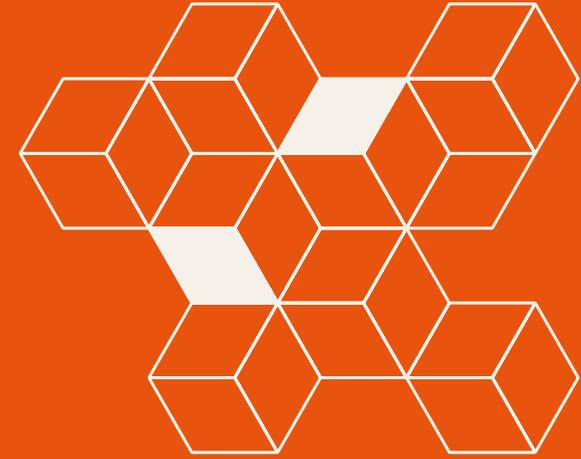
It certifies that it is established and implemented, and the audit performed by BEL confirms that this management system meets the requirements of the following standard.

Sertifika Numarası / Certificate Number : A1582303
Sertifika Kodu / Certificate Code : DPA YAPI
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Sertifika Geçerlilik Tarihi / Certificate Validity Date : 13.06.2026
Sertifika Periyodu / Certificate Period : 1 Yıl / 1 Year

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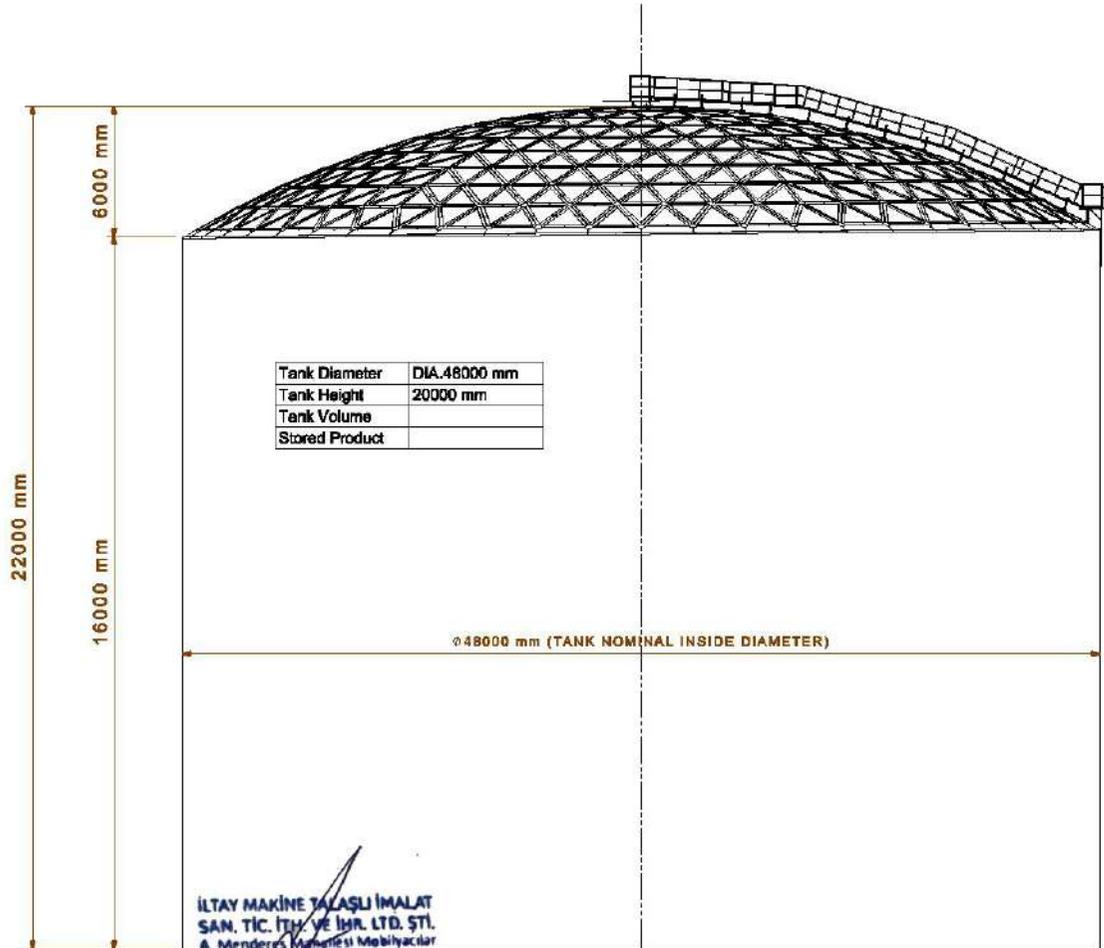
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Teknik Dokümanlar



İLTAY  **MAKİNE**

DOME
ALUMINUM GEODESIC DOME ROOF
Ø48000 mm Dia x 16000 mm Height
STORAGE TANKS



İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
A. Menderes Mahallesi Mobilyacılar
Sokak No/ 281A Merkez/OSMANIYE
Osmaniye v.D.: 4730 981 909

OWNER :	
CONSTRUCTOR :	
PROJECT NO :	
DRAWING NO :	
JOB NO :	
DATE :	
TANK NO :	
TANK DIAMETER	Ø 48000 mm
TANK HEIGHT	16000 mm
PRODUCT	PETROLEUM PRODUCTS
INTERNAL FLOATING ROOF	YES

İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS		
DRAWN BY	DATE	DRAWING TITLE Ø48,00 MT COVER PAGE		
CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER İM.100.01.STD.01	REV 0
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX	PAGE 1/43

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Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 302

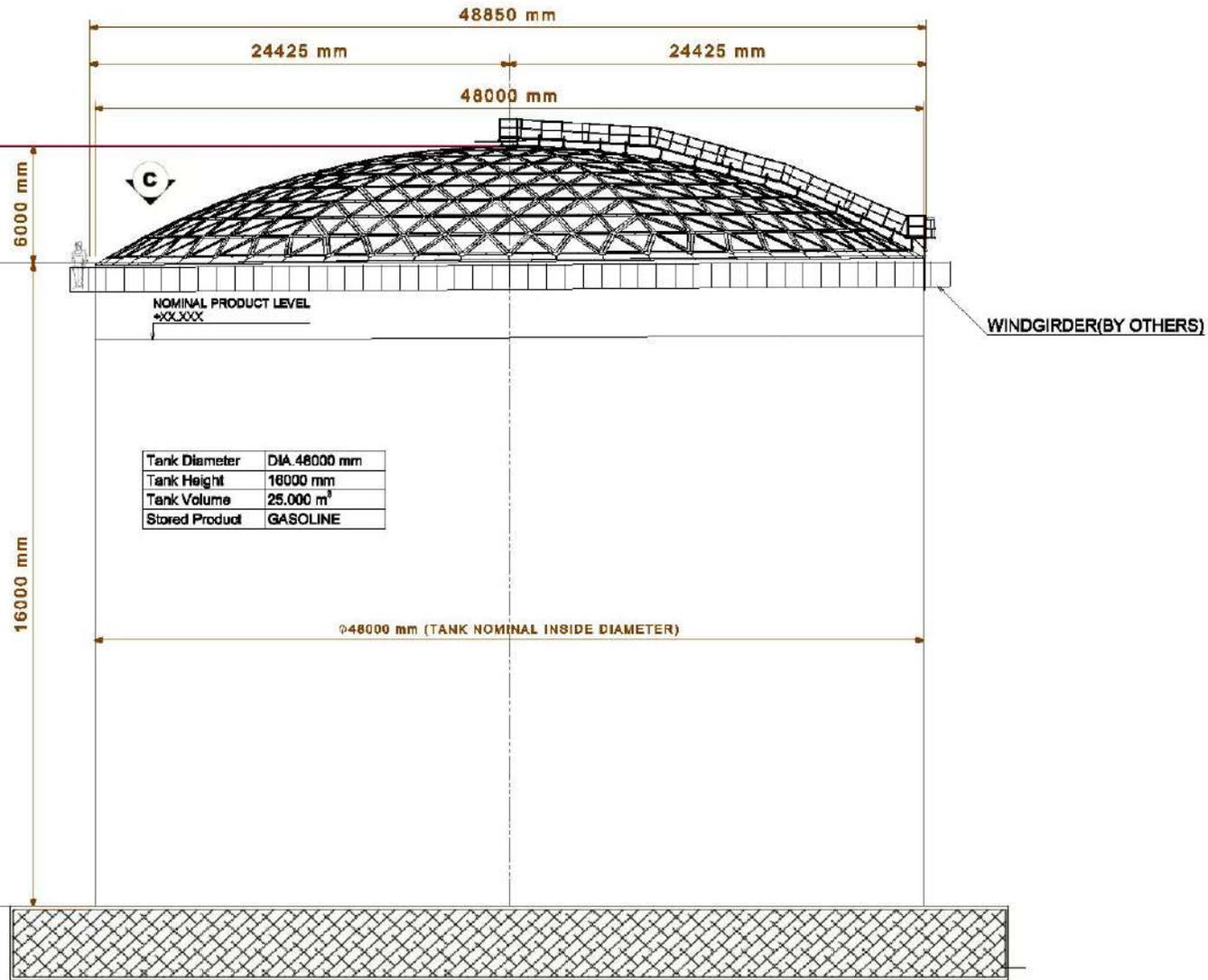
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PAGE	DRAWING NO	DRAWING DESCRIPTION	REV.
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2	İM.100.01.STD.02	DRAWING INDEX	0
3	İM.100.01.STD.03	DOME ROOF SPECIFICATION	0
4	İM.100.01.STD.04	GENERAL ARRANGEMENT VIEW	0
5	İM.100.01.STD.05	GENERAL ARRANGEMENT PLAN	0
6	İM.100.01.STD.06	SECTIONNAL DRAWING WALKWAY	0
7	İM.100.01.STD.07	BEAM ASSEMBLY LAYOUT PLAN	0
8	İM.100.01.STD.08	NODE PLATE ASSEMBLY LAYOUT PLAN	0
9	İM.100.01.STD.09	PANEL ASSEMBLY LAYOUT PLAN	0
10	İM.100.01.STD.10	FULL STRUCTURE ASSEMBLY LAYOUT PLAN	0
11	İM.100.01.STD.11	ONE SEGMENT OF STRUCTURAL PLAN	0
12	İM.100.01.STD.12	ANCHOR PLATES AND SHOES SUPPORTS ARRANGEMENT PLAN	0
13	İM.100.01.STD.13	ALUMINIUM GEODESIC DOME ROOF OUTWARD STRUCTURE ASSEMBLY	0
14	İM.100.01.STD.14	LIFTING PLAN & ARRANGEMENT DRAWING	0
15	İM.100.01.STD.15	LIFTING LOAD ORIENTATION PLAN	0
16	İM.100.01.STD.16	ALUMINIUM GEODESIC DOME ROOF DOME LIFTING ARRANGEMENT	0
17	İM.100.01.STD.17	HATCH LID HOLD - DOWN INSTALLATION ENCLOSED SEAL BATTEN	0
18	İM.100.01.STD.18	BATTEN SKIN PANEL & NODE PLATE CONNECTION DETAIL	0
19	İM.100.01.STD.19	TYPICAL DOME STRUT DETAILS	0
20	İM.100.01.STD.20	TYPICAL BEAM AND BATTEN SECTION AND ISOMETRIC	0
21	İM.100.01.STD.21	HUB CONNECTION POSITION AND TYPICAL VIEW	0
22	İM.100.01.STD.22	TYPICAL BEAM PROFILE AND BATTEN CONNECTION SEC.DETAIL	0
23	İM.100.01.STD.23	BATTEN SKIN PANEL INSTALLATION	0
24	İM.100.01.STD.24	HUB CONNECTION DETAILS SECTION	0
25	İM.100.01.STD.25	HUB CONNECTION DETAIL ASSEMBLY EXPLODED	0
26	İM.100.01.STD.26	TYPICAL BEAM PROFILE CROSS-SECTION	0
27	İM.100.01.STD.27	TYPICAL NODE PLATE CONNECTION BATTEN DESIGN	0
28	İM.100.01.STD.28	BATTEN BEAM & BATTEN RIBBED TYPICAL BEAM DETAILS	0
29	İM.100.01.STD.29	HUB CONNECTION SECTION AND GASKET DETAIL AND COVER DETAIL	0
30	İM.100.01.STD.30	CENTER / FREE VENT DETAIL	0
31	İM.100.01.STD.31	TYPICAL GAUGE PIPE PASS THROUGH PIPE DEKITE BOOT	0
32	İM.100.01.STD.32	CENTER SAFETY LINE SUPPORT DETAIL	0
33	İM.100.01.STD.33	TRIANGULAR SKYLIGHT DETAIL-1	0
34	İM.100.01.STD.34	24 " CENTER / FREE VANT ASSEMBLY	0
35	İM.100.01.STD.35	24 " MANHOLE DETAIL	0
36	İM.100.01.STD.36	TRIANGULAR SKYLIGHT DETAIL-2	0
37	İM.100.01.STD.37	SHOE SUPPORT DETAILS 1 OF 4	0
38	İM.100.01.STD.38	SHOE SUPPORT DETAILS 2 OF 4	0
39	İM.100.01.STD.39	SHOE SUPPORT DETAILS 3 OF 4	0
40	İM.100.01.STD.40	HUB CONNECTION DETAIL	0
41	İM.100.01.STD.41	WALKWAY_DETAILS_1_OF_5	0
42	İM.100.01.STD.42	WALKWAY_DETAILS_2_OF_5	0
43	İM.100.01.STD.43	PLATFORM_DETAILS_1_OF_6	0

		Project Description STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE 048,00 MT DRAWING INDEX	
CHECKED BY XXX		DATE XXX		DRAWING NUMBER İM.100.01.STD.02	
DESIGNED BY XXX		DATE XXX		REV 0	
SCALE 1:1		WEIGHT (kg) XXX		PAGE 2/43	

TOP OF DOME + 22 mt

TOP OF TANK +16.00 mt

TOP OF BOTTOM ±0,000



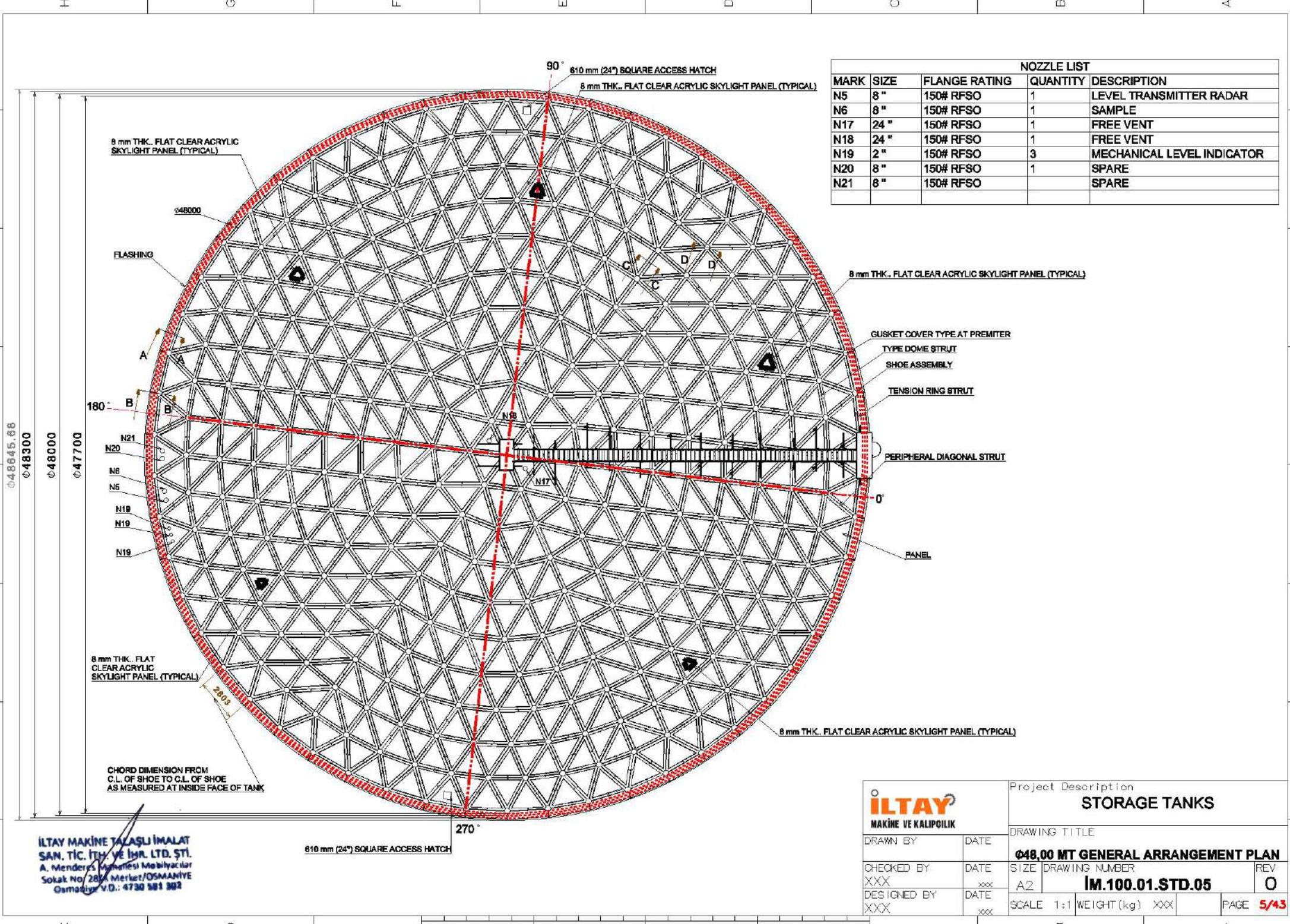
Tank Diameter	DIA. 48000 mm
Tank Height	16000 mm
Tank Volume	25.000 m ³
Stored Product	GASOLINE

WINDGIRDER(BY OTHERS)

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
A. Menderes Mahallesi Mobilyacılar
Sokak No:28/A Merkez/OSMANIYE
Gsmatay V.D.: 4730 581 302

İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE	
				Ø48,00 MT GENERAL ARRANGMENT VIEW	
CHECKED BY XXX		DATE xxx		SIZE A2	
DESIGNED BY XXX		DATE xxx		DRAWING NUMBER İM.100.01.STD.04	
		SCALE 1:1		WEIGHT (kg) XXX	
				PAGE 4/43	

NOZZLE LIST				
MARK	SIZE	FLANGE RATING	QUANTITY	DESCRIPTION
N5	8"	150# RFSO	1	LEVEL TRANSMITTER RADAR
N6	8"	150# RFSO	1	SAMPLE
N17	24"	150# RFSO	1	FREE VENT
N18	24"	150# RFSO	1	FREE VENT
N19	2"	150# RFSO	3	MECHANICAL LEVEL INDICATOR
N20	8"	150# RFSO	1	SPARE
N21	8"	150# RFSO		SPARE



48645.88
 48300
 48000
 47700

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 Osmaniye Y.D.: 4730 581 382

 İLTAY MAKİNE VE KALIPÇILIK	
DRAWN BY	DATE
CHECKED BY	DATE
DESIGNED BY	DATE

Project Description			
STORAGE TANKS			
DRAWING TITLE			
48,00 MT GENERAL ARRANGEMENT PLAN			
SIZE	DRAWING NUMBER	REV	
A2	İM.100.01.STD.05	0	
SCALE	1:1	WEIGHT (kg)	XXX
PAGE	5/43		

İLTAY MAKİNE TALAŞLI İMALAT
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 Osmaniye Y.D.: 4730 581 382

810 mm (24") SQUARE ACCESS HATCH

8 mm THK. FLAT CLEAR ACRYLIC SKYLIGHT PANEL (TYPICAL)

90°
810 mm (24") SQUARE ACCESS HATCH
8 mm THK. FLAT CLEAR ACRYLIC SKYLIGHT PANEL (TYPICAL)

8 mm THK. FLAT CLEAR ACRYLIC SKYLIGHT PANEL (TYPICAL)

- GUSKET COVER TYPE AT PERIMETER
- TYPE DOME STRUT
- SHOE ASSEMBLY
- TENSION RING STRUT
- PERIPHERAL DIAGONAL STRUT

8 mm THK. FLAT CLEAR ACRYLIC SKYLIGHT PANEL (TYPICAL)

8 mm THK. FLAT CLEAR ACRYLIC SKYLIGHT PANEL (TYPICAL)

CHORD DIMENSION FROM C.L. OF SHOE TO C.L. OF SHOE AS MEASURED AT INSIDE FACE OF TANK

270°

2203

180°

A

N21

N20

N6

N6

N19

N19

N19

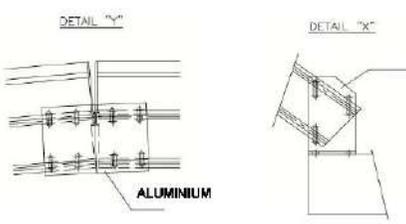
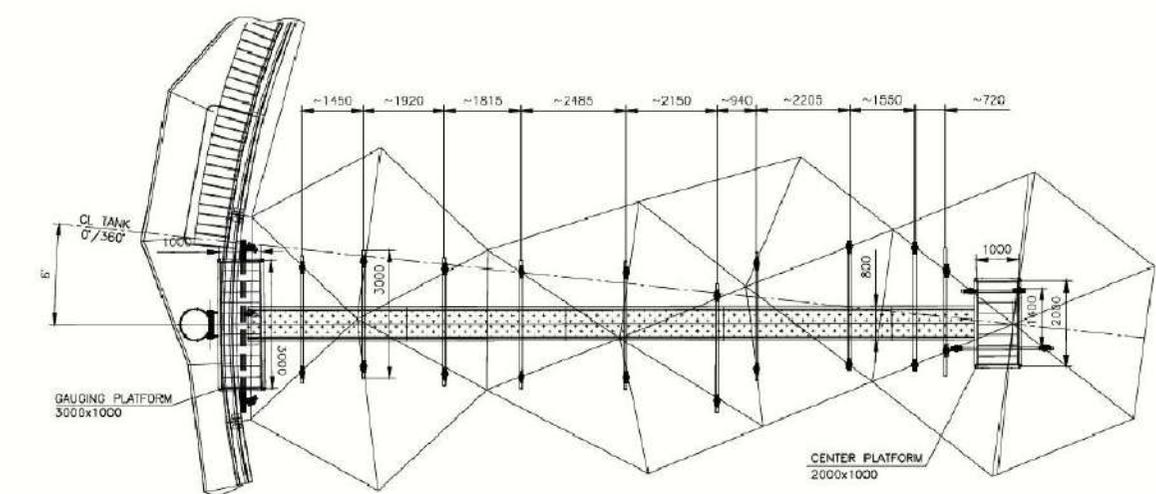
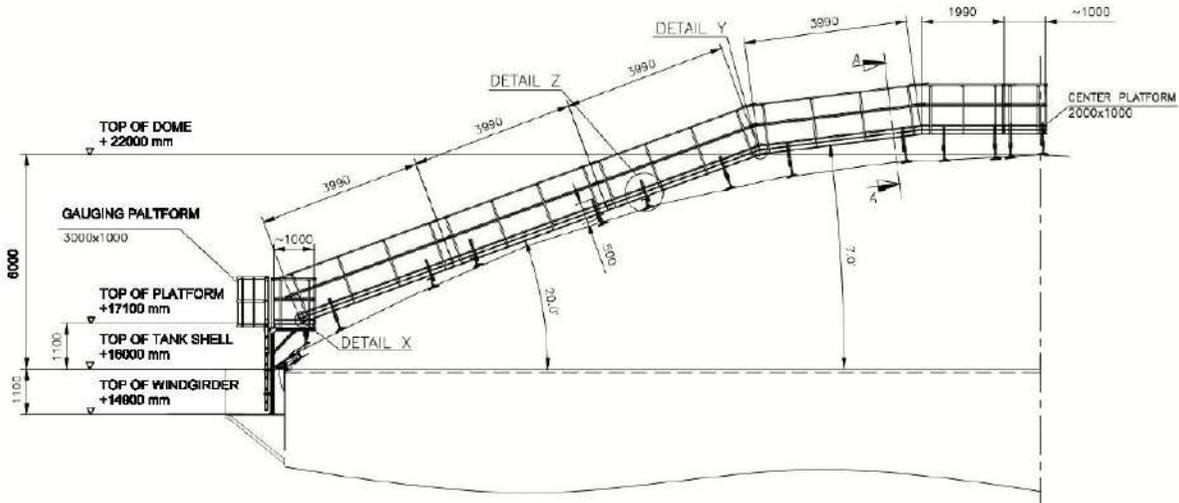
N18

N17

C

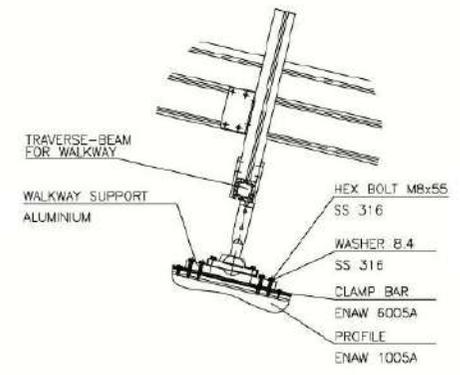
D

PANEL

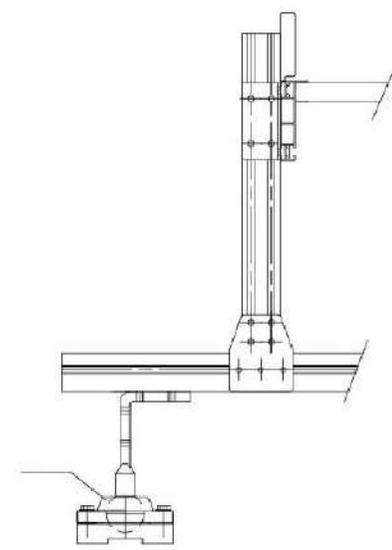


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 A. Menderes Mahallesi Mobilyacılar Sokak No: 28/A Merkez/OSMANİYE Gaziantep V.D.: 4730 581 382

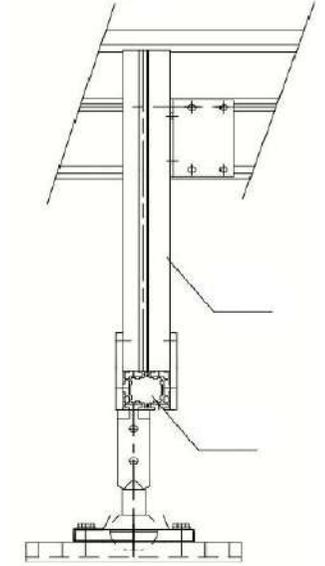
WALKWAY-DOME CONNECTION WDC



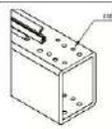
SECTION A-A



DETAIL "Z"



ILTAY MAKİNE VE KALIPÇILIK		Project Description	
DRAWN BY		DATE	
CHECKED BY		DATE	
DESIGNED BY		DATE	
STORAGE TANKS DRAWING TITLE		48,00 MT SECTIONNAL_DRAWING_WALKWAY DRAWING NUMBER	
XXX XXX		XXX XXX	
A2 SCALE 1:1		IM.100.01.STD.06 WEIGHT (kg) XXX	
REV 0		PAGE 6/43	



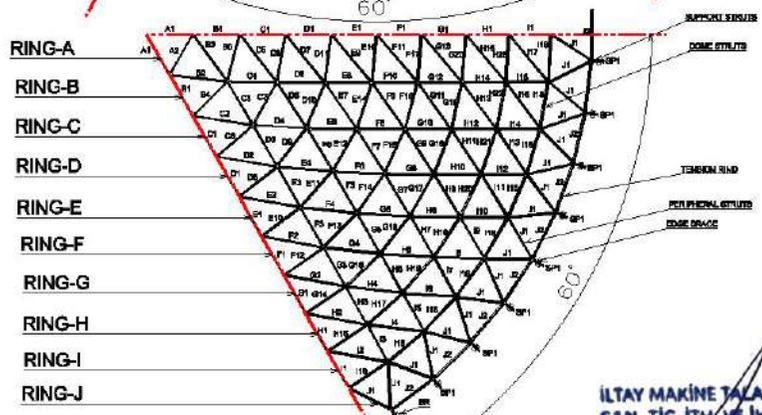
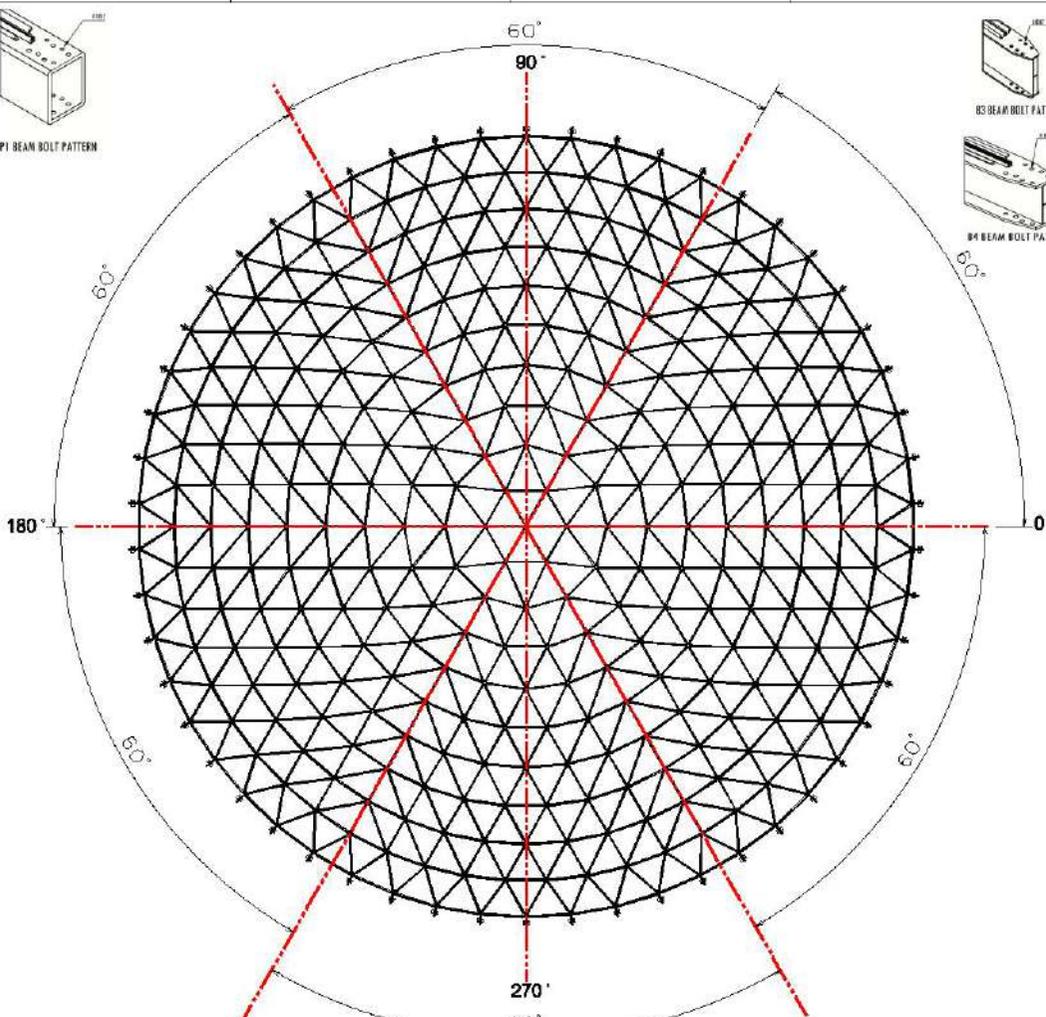
SPI BEAM BOLT PATTERN



B3 BEAM BOLT PATTERN

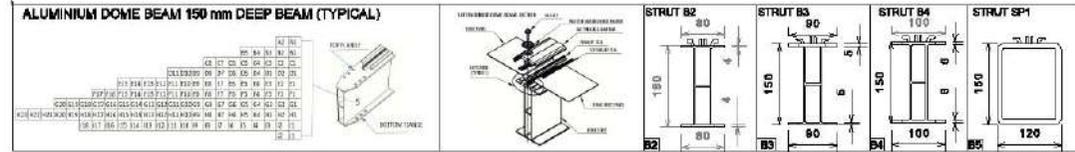


B4 BEAM BOLT PATTERN



ILTAY MAKİNE TALAŞLI İMALAT SAN. TİC. LİM. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar Sokak No: 28/A Merkez/OSMANİYE
 Osmaniye, Y.D.: 4730 581 382

BEAM DETAILS																	
MARK	SECTION	QTY	MARK	SECTION	QTY	MARK	SECTION	QTY	MARK	SECTION	QTY	MARK	SECTION	QTY	MARK	SECTION	QTY
A1	B2	6	D5	B2	6	E13	B2	6	F17	B2	6	G19	B2	6	H19	B2	6
A2	B2	6	D6	B2	6	E14	B2	6	G1	B2	6	G20	B2	6	H20	B2	6
B1	B2	6	D7	B2	6	E15	B2	6	G2	B2	6	H1	B2	6	H21	B2	6
B2	B2	6	D8	B2	6	F1	B2	6	G3	B2	6	H2	B2	6	H22	B2	6
B3	B2	6	D9	B2	6	F2	B2	6	G4	B2	6	H3	B2	6	H23	B2	6
B4	B2	6	D10	B2	6	F3	B2	6	G5	B2	6	H4	B2	6	J1	B2	108
B5	B2	6	D11	B2	6	F4	B2	6	G6	B2	6	H5	B2	6	J2	B2	54
C1	B2	6	E1	B2	6	F5	B2	6	G7	B2	6	H6	B2	6	SP1	B5	54
C2	B2	6	E2	B2	6	F6	B2	6	G8	B2	6	H7	B2	6	BR	L120	108
C3	B2	6	E3	B2	6	F7	B2	6	G9	B2	6	H8	B2	6			
C4	B2	6	E4	B2	6	F8	B2	6	G10	B2	6	H9	B2	6			
C5	B2	6	E5	B2	6	F9	B2	6	G11	B2	6	H10	B2	6			
C6	B2	6	E6	B2	6	F10	B2	6	G12	B2	6	H11	B2	6			
C7	B2	6	E7	B2	6	F11	B2	6	G13	B2	6	H12	B2	6			
C8	B2	6	E8	B2	6	F12	B2	6	G14	B2	6	H13	B2	6			
D1	B2	6	E9	B2	6	F13	B2	6	G15	B2	6	H14	B2	6			
D2	B2	6	E10	B2	6	F14	B2	6	G16	B2	6	H15	B2	6			
D3	B2	6	E11	B2	6	F15	B2	6	G17	B2	6	H16	B2	6			
D4	B2	6	E12	B2	6	F16	B2	6	G18	B2	6	H17	B2	6			
TOTAL		114	TOTAL		114	TOTAL		114	TOTAL		114	TOTAL		114	TOTAL		114



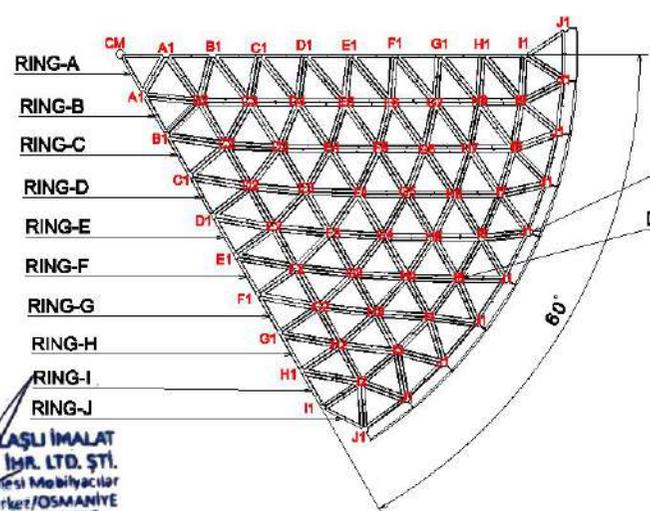
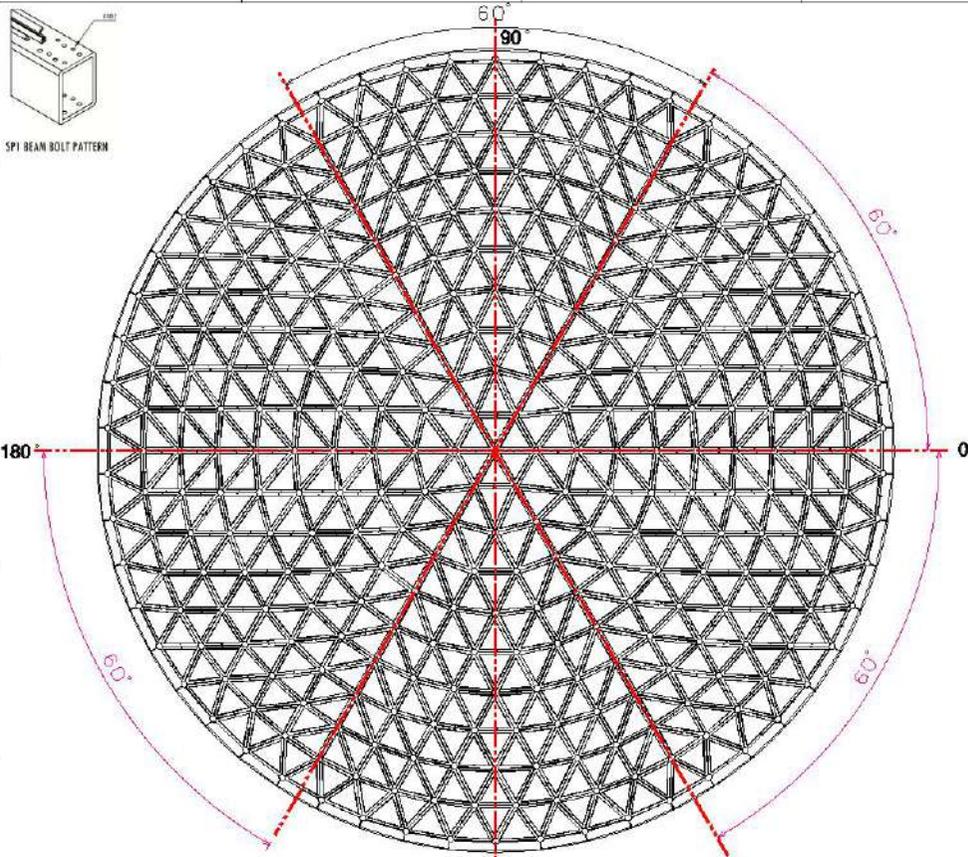
BOLTING DETAIL				
NO	ITEM	SIZE	QTY	MATERIAL
1	BOLT	M10x35	3600	SS 304 / SS 316
2	NUT	M10	3600	SS 304 / SS 316
3	WASHER	M10	3600	SS 304 / SS 316

ILTAY
MAKİNE VE KALIPÇILIK

Project Description
STORAGE TANKS

DRAWING TITLE
Ø48,00 MT BEAM ASSEMBLY LAYOUT PLAN

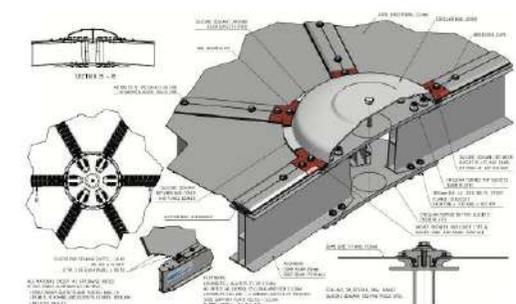
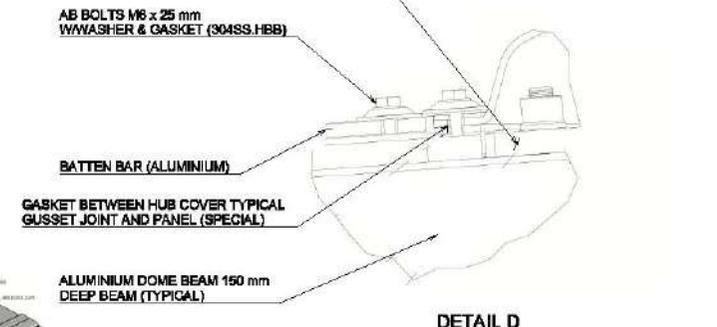
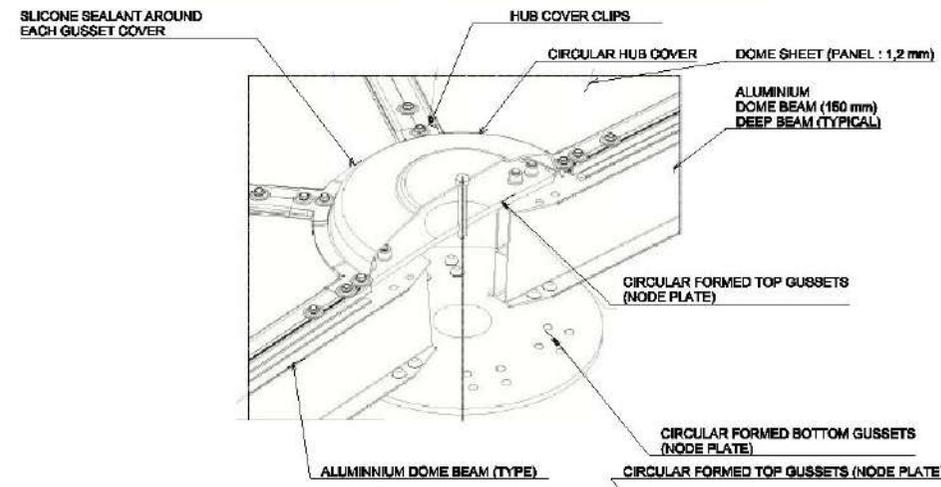
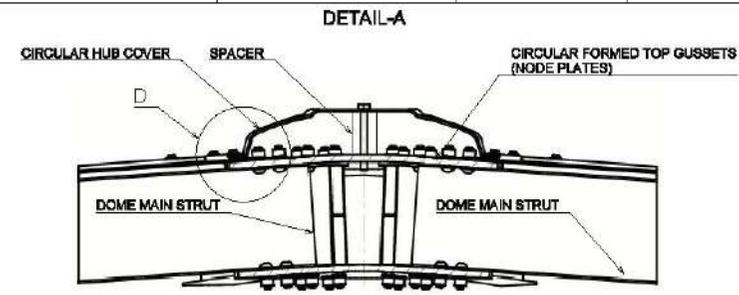
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CHECKED BY XXX	DATE xxx	A2	IM.100.01.STD.07
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX
			REV 0
			PAGE 7/43



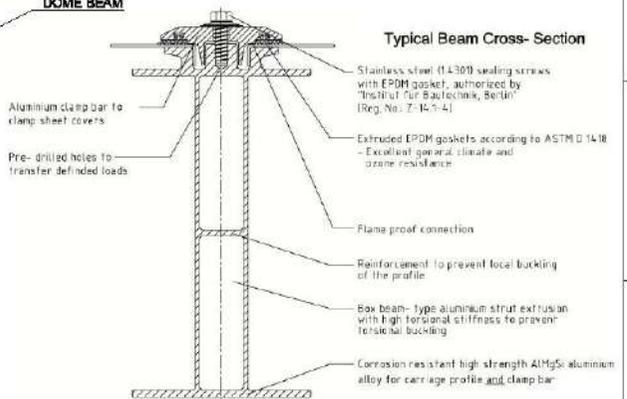
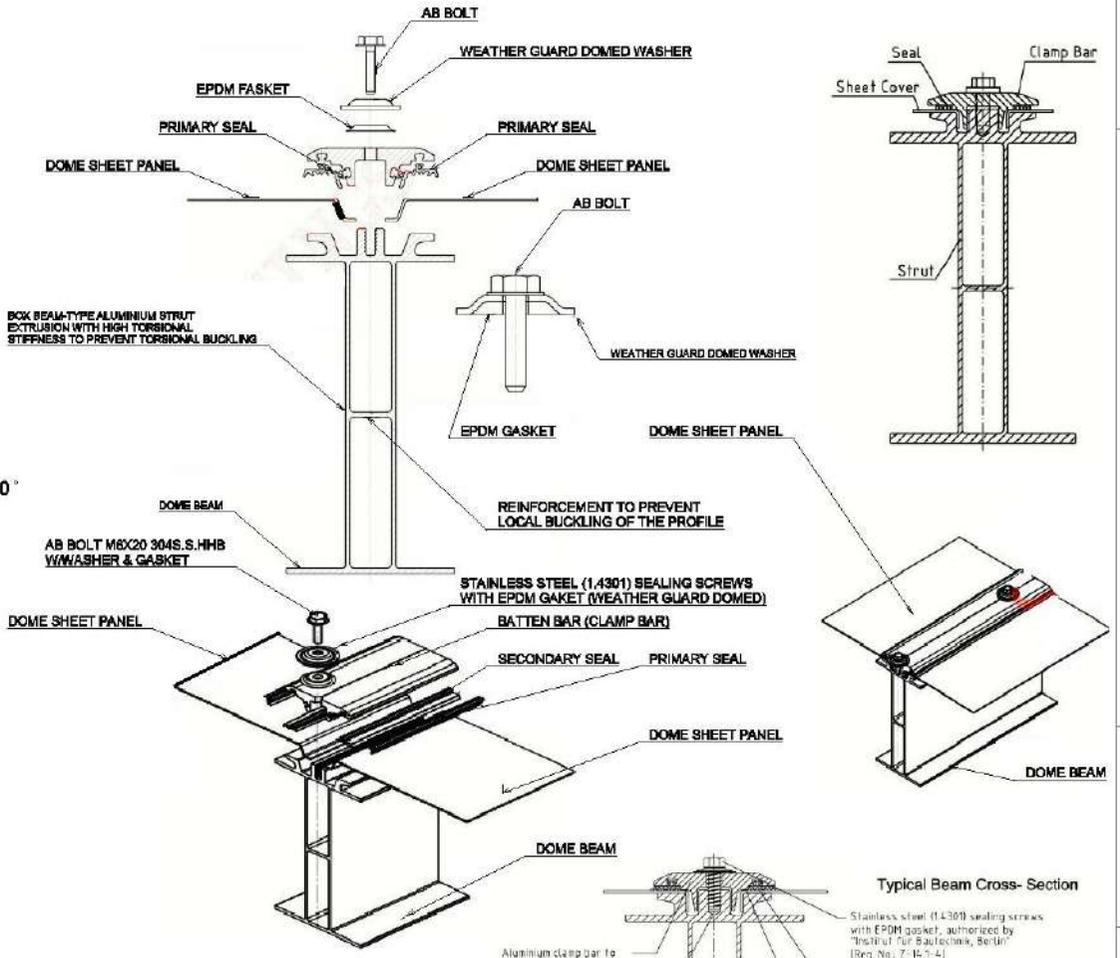
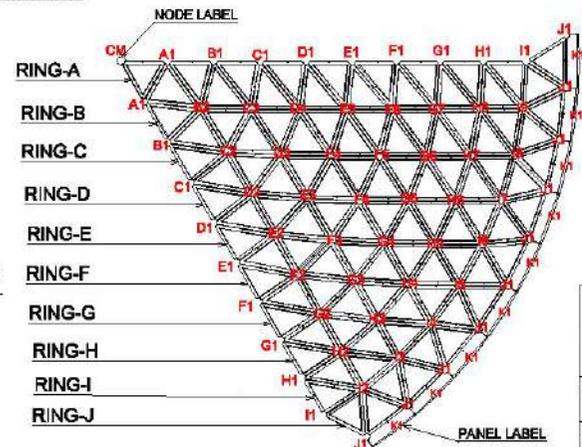
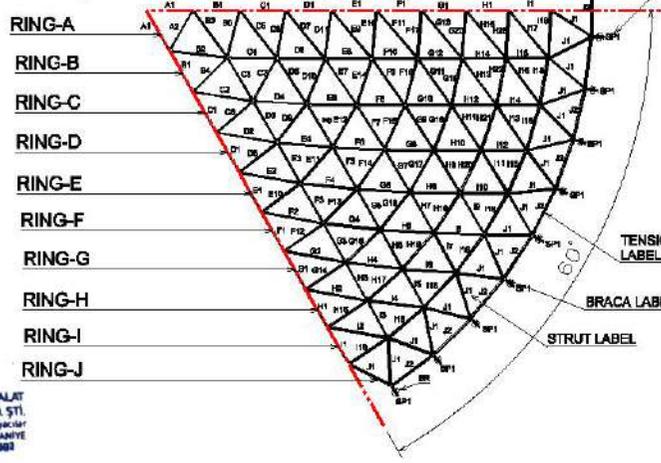
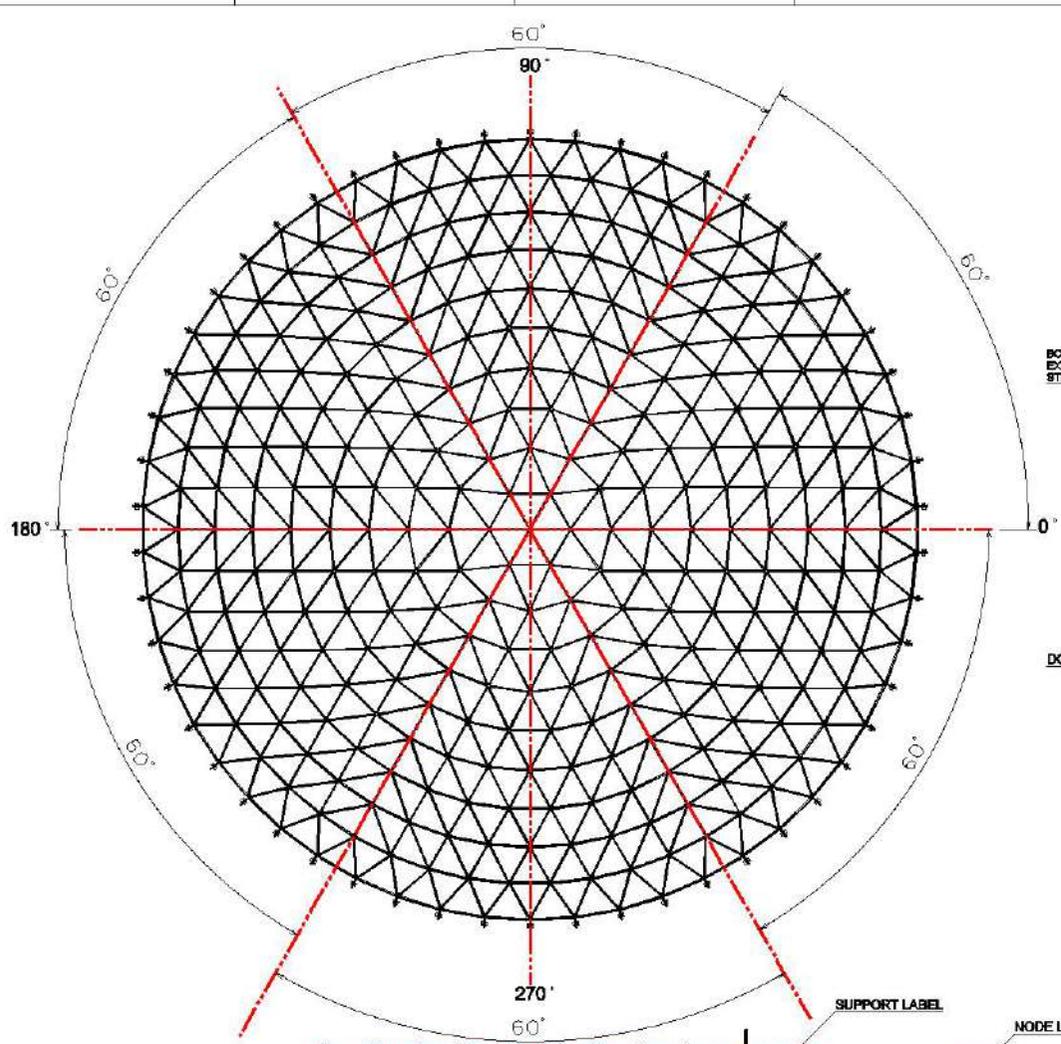
İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LİM. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No/28A Merkez/OSMANIYE
 Osmaniye V.D.: 4730 981 302



BOLTING DETAIL				
NO	ITEM	SIZE	QTY	MATERIAL
1	BOLT	M10x35	3600	SS 304 / SS 316
2	NUT	M10	3600	SS 304 / SS 316
3	WASHER	M10	3600	SS 304 / SS 316

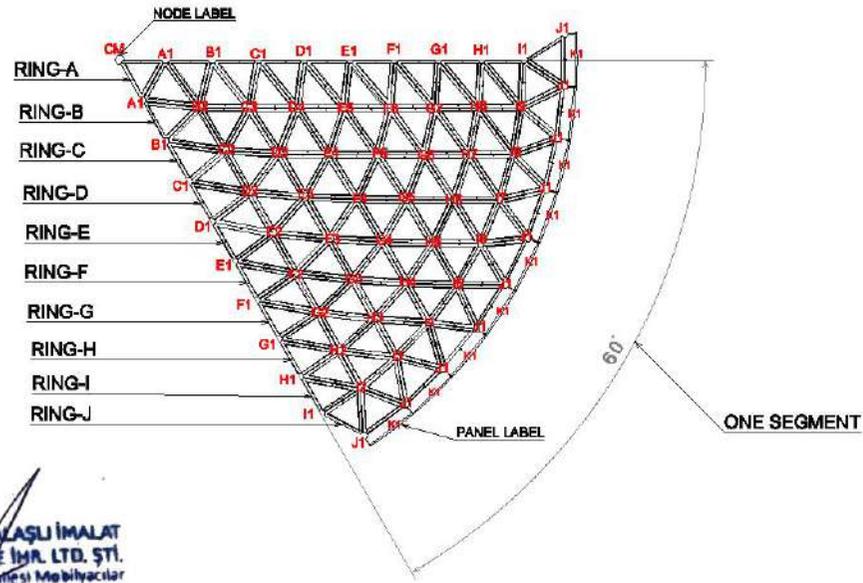
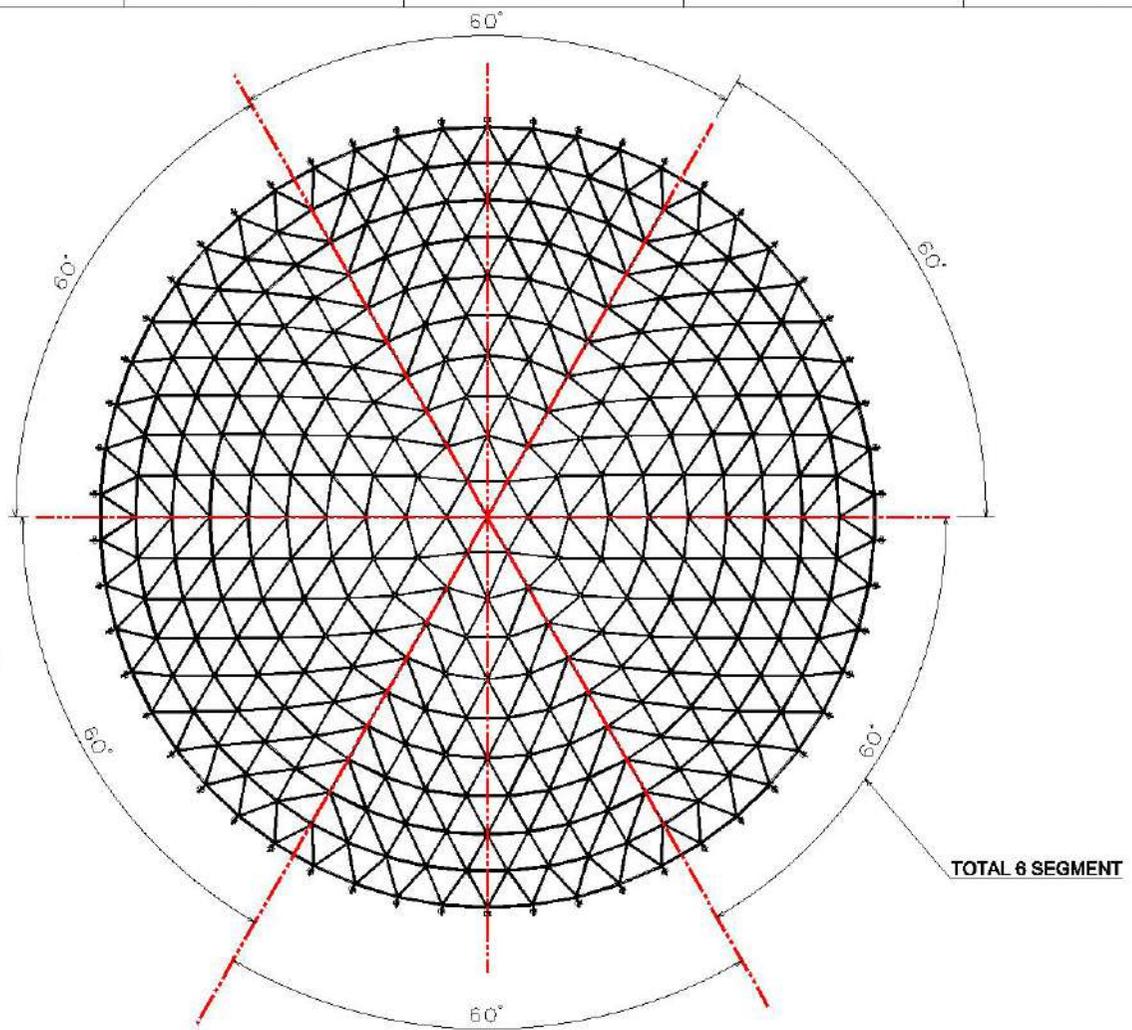
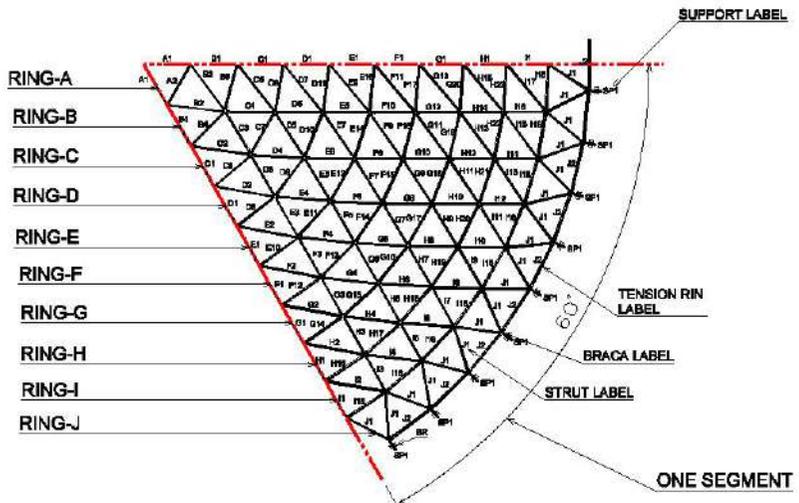


		Project Description	
		STORAGE TANKS	
DRAWING TITLE		048.00 MT NODE PLATE ASSEMBLY LAYOUT PLAN	
DRAWN BY	DATE	SIZE	DRAWING NUMBER
XXX	xxx	A2	IM.100.01.STD.08
CHECKED BY	DATE	SCALE	WEIGHT (kg)
XXX	xxx	1:1	xxx
DESIGNED BY	DATE	PAGE	
XXX	xxx	8/43	



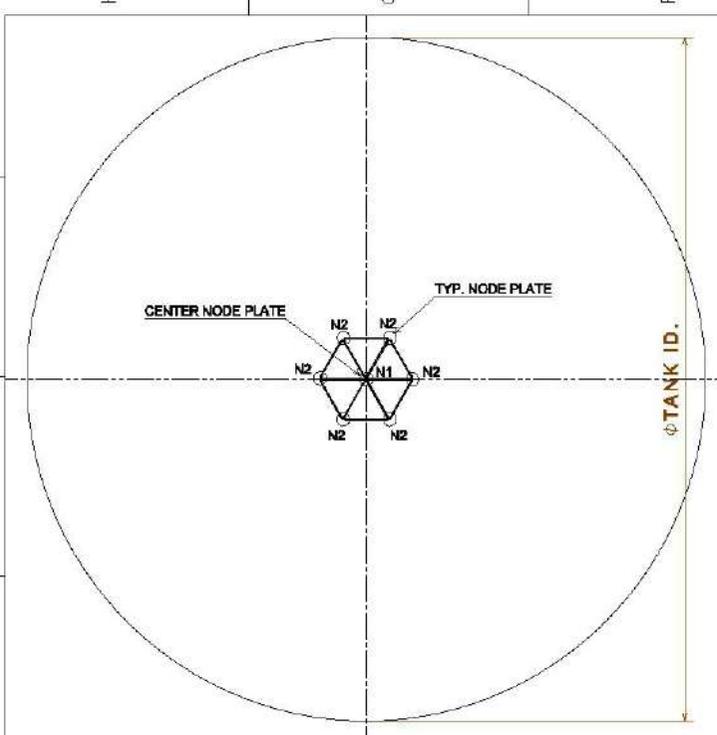
ILTAY MAKİNE YATIRIM İMALAT
 SAN. TİC. LİM. VE İŞH. LTD. ŞTİ.
 A. Menderes Bulvarı No: 100/100
 Sokak No: 20/6 Kat: 2/3
 Çankaya/Beşiktaş/İSTANBUL
 ÖZEL YATIRIM MENKUL DEĞERLER A.Ş.
 Ortaklık No: 2730 181 303

 ILTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS	
DRAWN BY	DATE	DRAWING TITLE	
		Ø48,00 MT FULL STRUCTURE ASSEMBLY LAYOUT PLAN	
CHECKED BY	DATE	SIZE	DRAWING NUMBER
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DESIGNED BY	DATE	SCALE	WEIGHT (kg)
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		REV	PAGE
		0	10/43

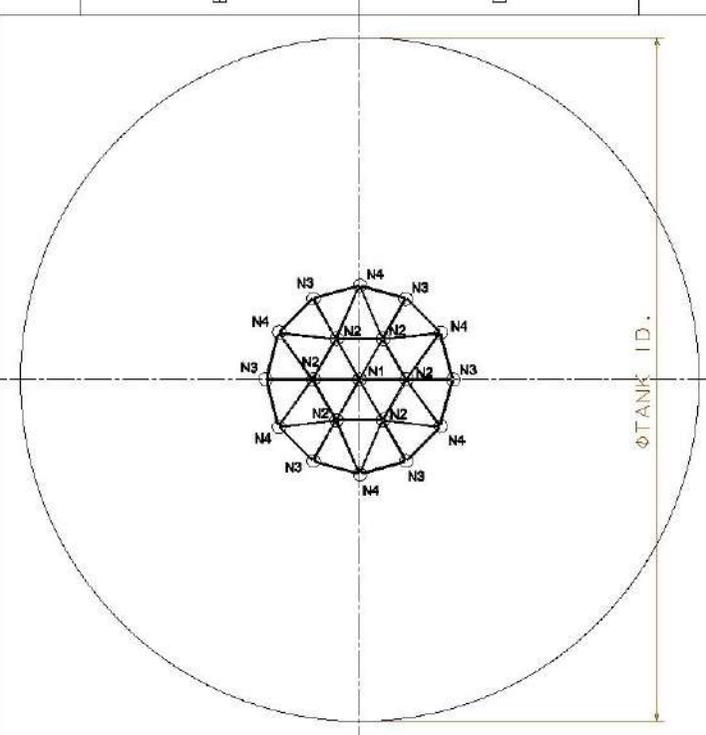


İLTAY MAKİNE TALAŞLI İMALAT
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 Sokak No: 28/A Merkez/OSMANİYE
 Osmaniye/V.D.: 4730 581 302

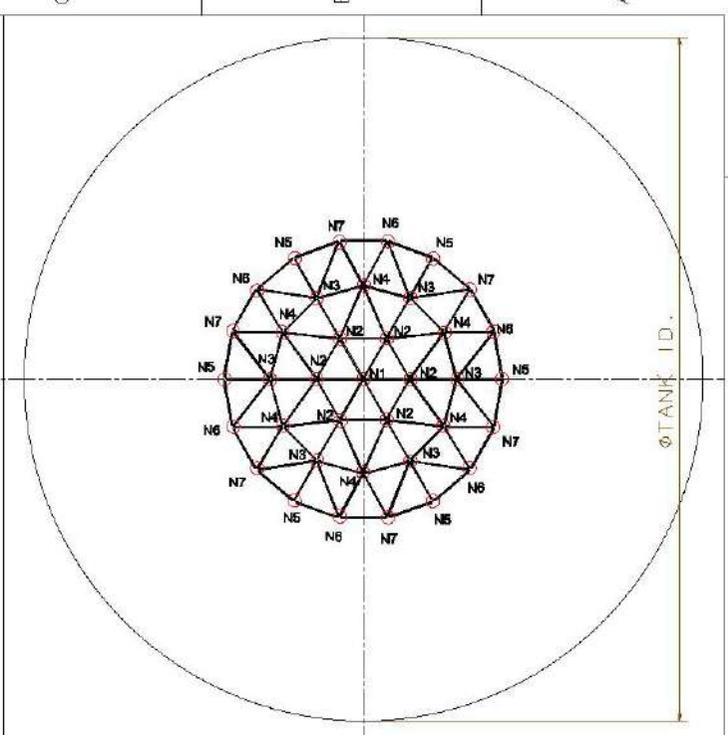
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		STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE			
		Ø48,00 MT ONE SEGMENT OF STRUCTURAL PLAN			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV	
XXX	xxx	A2	İM.100.01.STD.11	0	
DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE	
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STRUCTURE ASSEMBLY-1



STRUCTURE ASSEMBLY-2



STRUCTURE ASSEMBLY-3

STRUCTURE ASSEMBLY:

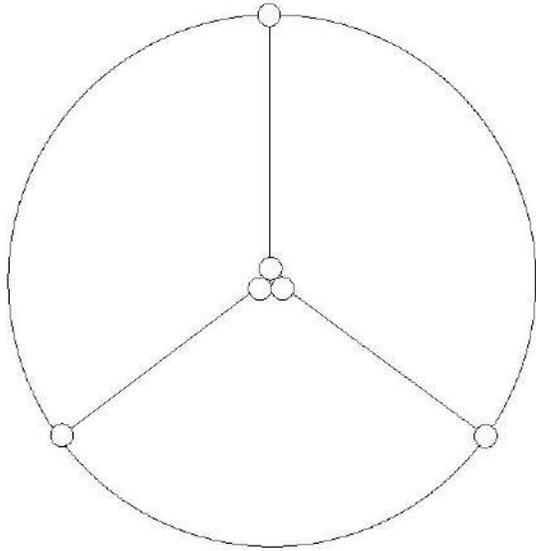
1. The structure is assembled with beginning with the 'A' ring beams-The innermost ring beams (main runners) are first loosely assembled to the center node plates which are suspended from a single tripod.
2. All node plates must be installed with their dish bulged outwards and with the upper node plate on top and the lower node plate on the bottom.
3. They are clearly marked and the upper node plate holes are NEARER to the edge of the disk than the lower node plate holes. The place mark number is always toward you and legible as you face the center of the dome. a 3/8" dia. index hole will always be toward the center of the from the 3/4" dia. hole centered in the node plate. FAILURE TO OBSERVE THESE GUIDE LING WILL MAKE THE STRUCTURE IMPOSSIBLE TO ASSEMBLE.
4. The diagonal and radial beams are next assembled along with the next outward ring.
5. When connected each ring should be leveled to the its average elevation by pushing upwards and outwards from the center of the structur.
6. Adjusting the temporary supports to nearly correct level as you go makes final leveling much easier.
7. After an outer ring is connected all around and leveled to the average elevation the inner ring's bolts can be tightened.
8. This can be concurrent with continued erection of diagonal and radial beams.
10. Failure to tighten as you go can cause a settlement inward due to tolerance in the bolt holes, which can accumulate to inches of diameter in some designs.

PROCEDURES:

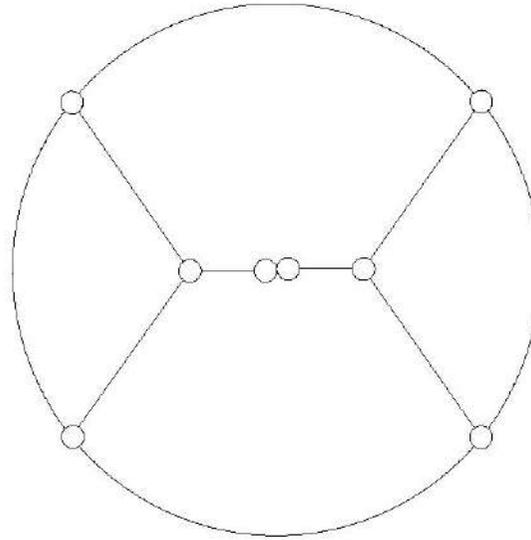
1. KEEP THE BASE RING ROUND AND LEVEL.
2. KEEP EACH INNER RING LEVEL.
3. TIGHTEN EACH TRAILING RING AS THE LEADING RING IS CONNECTED, LEVELED, AND TRUED.

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANIYE
 Osmaniye/V.D.: 4730 581 382

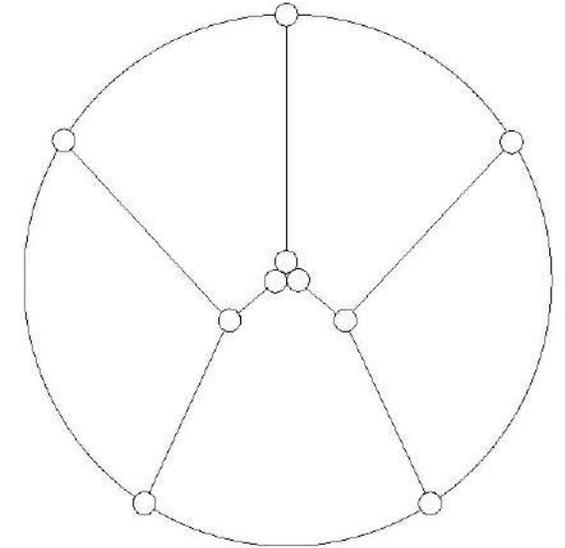
		Project Description			
		STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE			
		048,00 MT ALUMINIUM GEODESIC DOME ROOF OUTWARD STRUCTURE ASSEMBLY			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV	
XXX	xxx	A2	İM.100.01.STD.13	0	
DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE	
XXX	xxx	1:1	XXX	13/43	



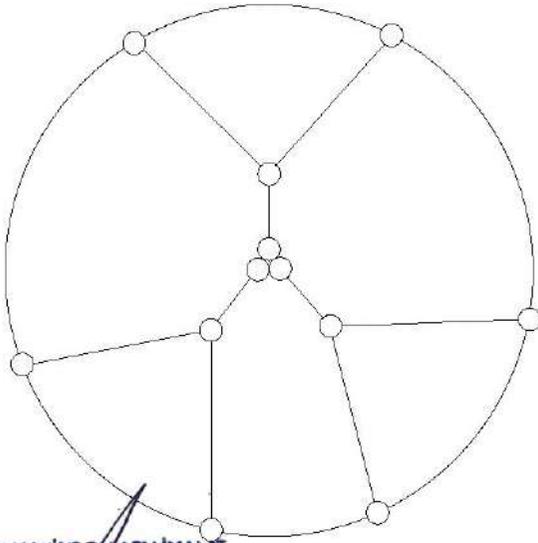
3 POINT



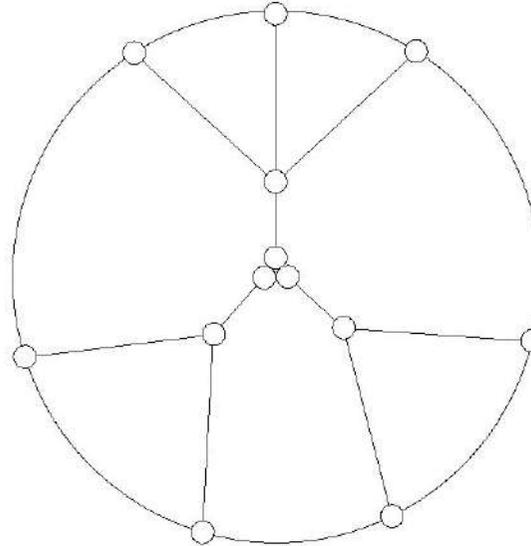
4 POINT



5 POINT



6 POINT

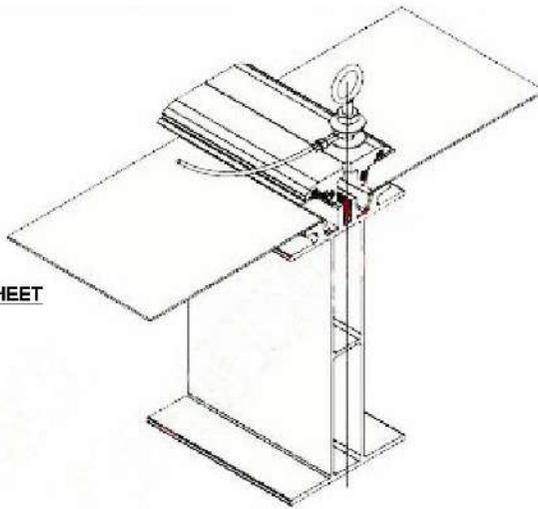
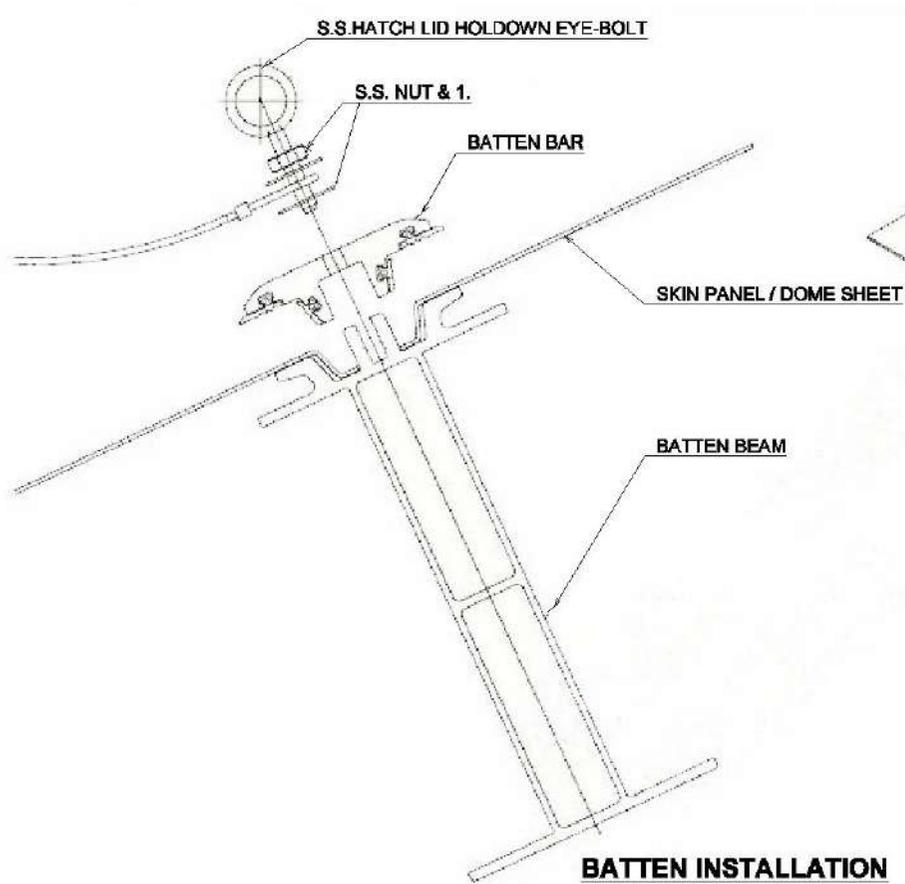


7 POINT

NOTES:
 LIFTING BRIDLES MUST BE 'BALANCED' TO INSURE UNIFORM DISTRIBUTION OF LOADS INTO THE DOME. THE FOLLOWING SUGGESTED ARRANGEMENTS ARE INTENDED AS A GUIDE TO THE RIGGER BUT SHOULD NEVER SUPERCEED LOCAL SAFETY REQUIREMENTS.
 THE 'SHORT' CHOKERS SHOULD BE ABOUT 10% OF THE TOTAL LENGTH. SOME ADJUSTMENT IS NECESSARY ON THE 'ODD' CHOKERS ON THE 5 POINT AND THE 7 POINT CONFIGURATIONS.
 * NO MORE THAN THREE (3) CHOKERS ON THE CRANE HOOK FOR UNIFORM LOADING

ILTAY MAKİNE TASARU İMALAT
 SAN. TIC. İTH. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No/281A Merkez/OSMANIYE
 Osmaniye Y.D.: 4730 581 302

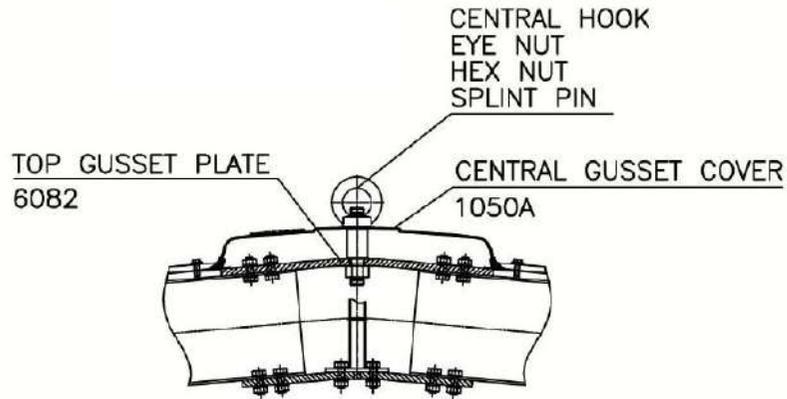
ILTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS		
DRAWN BY: XXX		DRAWING TITLE ø48,00 MT ALUMINIUM GEODESIC DOME ROOF DOME LIFTING ARRANGEMENT		
CHECKED BY: XXX		DATE: xxx	SIZE: A2	DRAWING NUMBER: İM.100.01.STD.16
DESIGNED BY: XXX		DATE: xxx	SCALE: 1:1	WEIGHT (kg): XXX
				REV: 0
				PAGE: 16/43



BATTEN INSTALLATION
FOR ENCLOSED-SEAL BATTEN

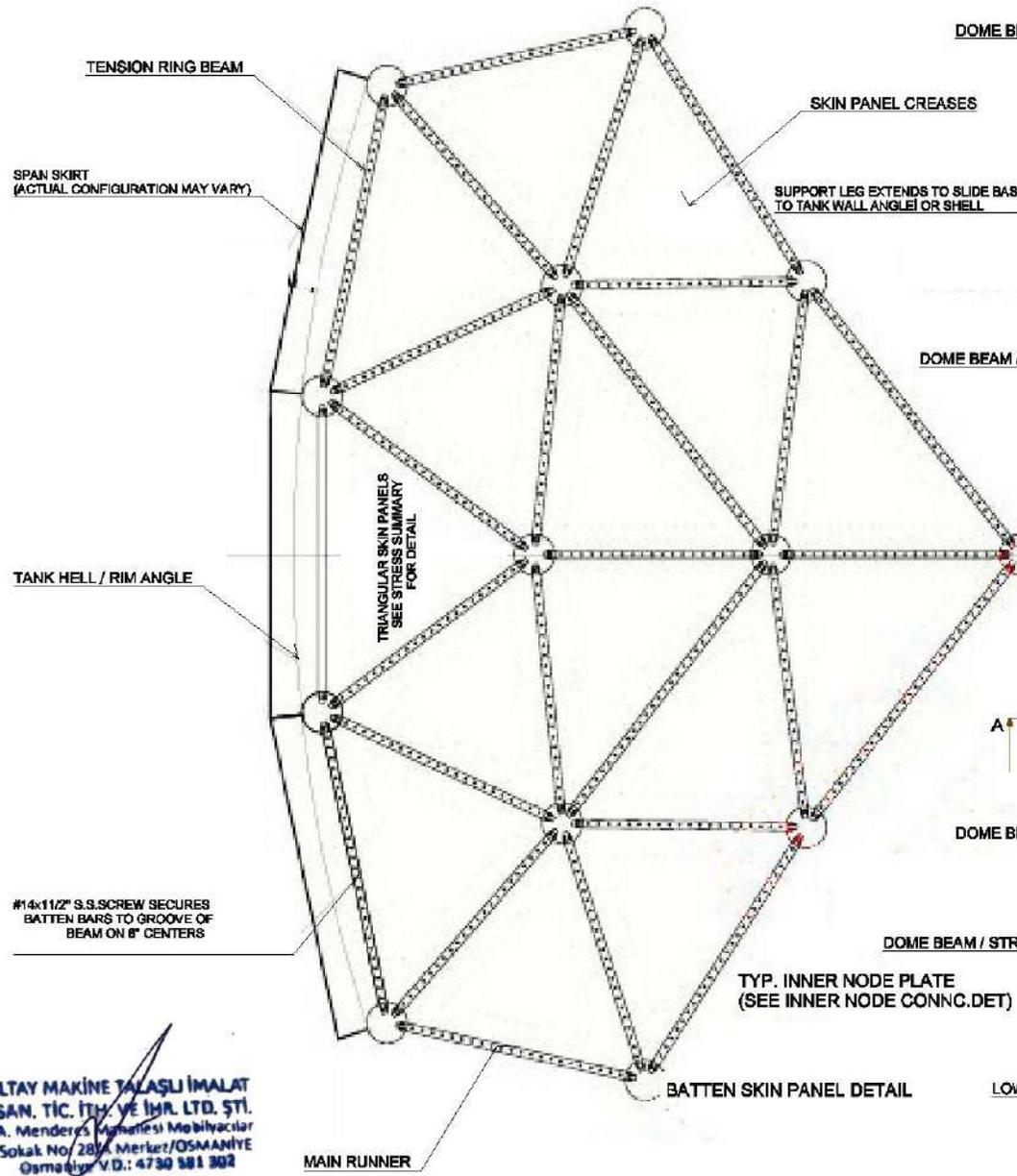
INSTALLATION PROCEDURE:

- 1 OPEN HATCH LID AND DETERMINE PROPER LOCATION FOR "HATCH LID HOLDOWN."
 - 2 DRILL ONE 1/4" HOLE DOWN THROUGH THE BATTEN BAR OR SKIN PANEL. SKIP TO STEP 4 FOR LAPPED DOMES.
 - 3 APPLY A FEW DROPS OF MOTOR OIL ON THE THREAD OF A 1/4"Ø BOLT (#14 FASTENER) AND IMPACT BOLT INTO BEAM GROOVE. THE BOLT WILL FORM THREADS IN THE GROVE OF THE ALUMINIUM BEAM.
 - 4 REMOVE THE 1/4"Ø BOLT AND APPLY A GENEROUS AMOUNT OF SILICONE AROUND THE 1/4"Ø BOLT HOLE. THIS WILL INSURE THAT THE WATHER -TIGHT INTERGRITY OF THE DOME IS MAINTAINED WHEN INSTALLING THE "HATCH LID HOLDOWN."
 - 5 SCREW THE S.S. EYEBOLT IN THE PRE-THREAD GROOVE UNTIL THE EYEBOLT BOTTOMS THE OUT AND LOCKS DOWN TIGHT W/ S.S. NUT AND WASHER.
- HATCH LID HOLD-DOWN INSTALLATION ENCLOSED SEAL BATTEN



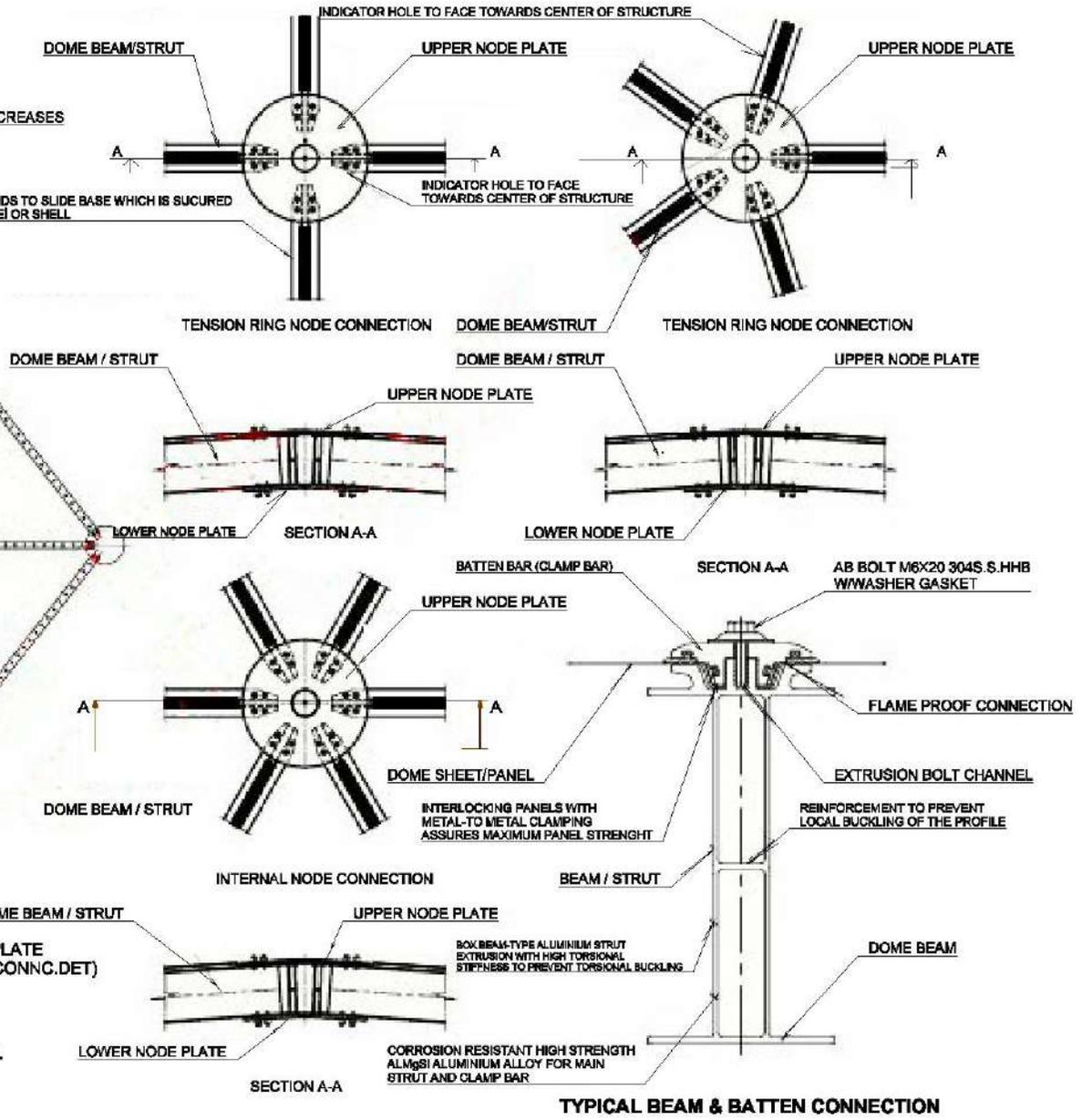
İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
A. Menderes Memarlesi Mobilyacılar
Sokak No:28/A Merkez/OSMANIYE
Gsm. No: 0532 4730 381 382

İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE 48,00 MT HATCH LID HOLD - DOWN INSTALLATION ENCLOSED SEAL BATTEN			
CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER IM.100.01.STD.17		REV 0
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg)	XXX	PAGE 17/43



İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LİM. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANIYE
 Gaziantep V.D.: 4730 581 302

NODE PLATE GENERAL NOTES:
 1 - UPPER AND LOWER NODE PLATES WILL VARY IN THICKNESS AN DIAMETER AS REQUIRED SIZE AND LOADING CONDITIONS.
 2. DEPENDING ON SPECIFACON , ALL BOLTED CONNECTIONS WILL CONSIST OF ALUMINIUM, STAINLESS STEEL OR CADMIUM PLATED BOLTS AND NUTS. COMPUTER STRESS ANALYSIS DETERMINES NUMBER OF BOLTS PER NODE PLATE CONNECTION,



 İLTA Y MAKİNE VE KALIPÇILIK		Project Description		
		STORAGE TANKS		
DRAWN BY	DATE	DRAWING TITLE		
XXX	xxx	ø48,00 MT BATTEN SKIN PANEL & NODE PLATE CONNECTION DETAIL		
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
XXX	xxx	A2	İM.100.01.STD.18	0
DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE
XXX	xxx	1:1	XXX	18/43

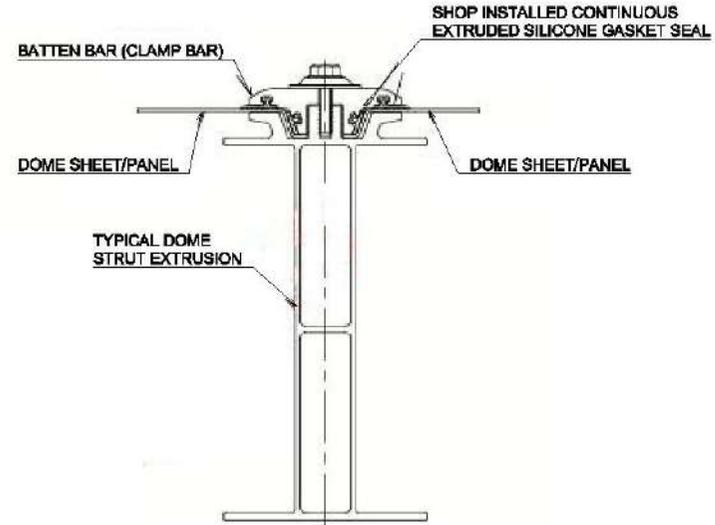
CIRCULAR GUSSET COVER

SILICONE SEALANT AROUND EACH GUSSET COVER

CIRCULAR FORMED TOP AND BOTTOM GUSSETS

Ø9,5mm DIA. AL LOCK BOLTS, STRUT
FFLANGE TO GASKET
EACH END 4 TOP AND 4 BOTTOM

TYPICAL DOME STRUT



TYPICAL DOME STRUT

SILICONE SEALANT AROUND EACH GUSSET COVER

DOME SHEET (PANET 1,2mm)

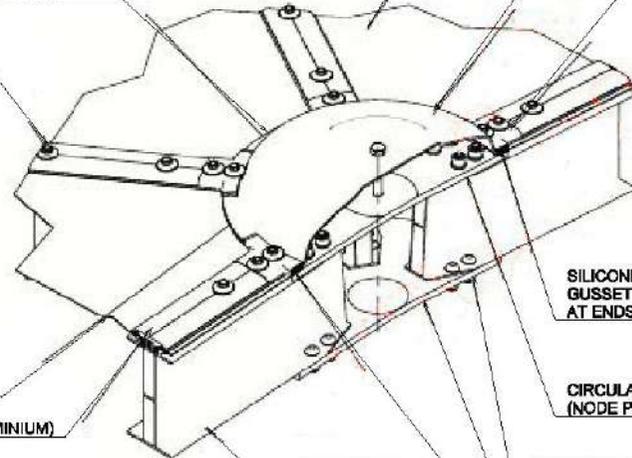
CIRCULAR HUB COVER

HUB COVER CLIPS

AB BOLTS 1/4"(M6) DIA x 25mm LONG
W/WASHER & GASKET (304S.S.HHB)

NOTES:

- ALL MATERIAL EXCEPT AS OTHERWISE NOTED IS MILL FINISH ALUMINIUM AS FOLLOWS.
STRUTS GUSSETS AND PLATES 6061-T6
PANELS FLASHING AND GUSSET COVERS 3003-H16
BATTENS 6061-T6 OR 6063-T6
- MATERIAL SIZE;
STRUT AS NOTED
TYPICAL TOP GUSSET 10mm x 412mmØ
TYPICAL BOTTOM GUSSET 10mm x 352mmØ
SHOE TOP GUSSET 10mm x 412mmØ
SHOE BOTTOM GUSSET 10mm x 352mmØ
PANEL AND FLASHING 1,2mm THICK
- FASTENERS
LOCKBOLTS ALUMINIUM (7075-T73) OR S.S. (300 SERIES) AS NOTED (AL, LOCKBOLTS CLEAR ANODIZED 204)
LOCKBOLT COLLARS - ALUMINIUM (6061 HEAT TREATED) BATTEN SCREWS - 6,35mm (#14) DIA, SS. (302)
- SEALANT
PECORA /3M/BOSTIK (OR OTHER) SILICONE SEALANT MEETING FEDERAL SPEC TT-S-001543A JT-S-00230C.
- ALL DIMENSIONS SHOWN ARE NOMINAL AND IN MILIMETERS, UNLESS NOTED OTHERWISE.



SILICONE SEALANT BETWEEN GUSSET PLATE AND PANEL AT ENDS OF BATTEN BAR

CIRCULAR FORMED TOP GUSSETS (NODE PLATE)

SILICONE SEALANT BETWEEN HUB COVER AND PANEL CORNER

BATTEN BAR (ALUMINIUM)

ALUMINIUM DOME BEAM 150 DEEP BEAM (TYPICAL)

Ø9,5mm DIA. AL LOCK BOLTS, STRUT
FLANGE TO GUSSET
EACH END 4 TOP AND 4 BOTTOM

CIRCULAR FORMED BOTTOM GUSSETS (NODE PLATE)

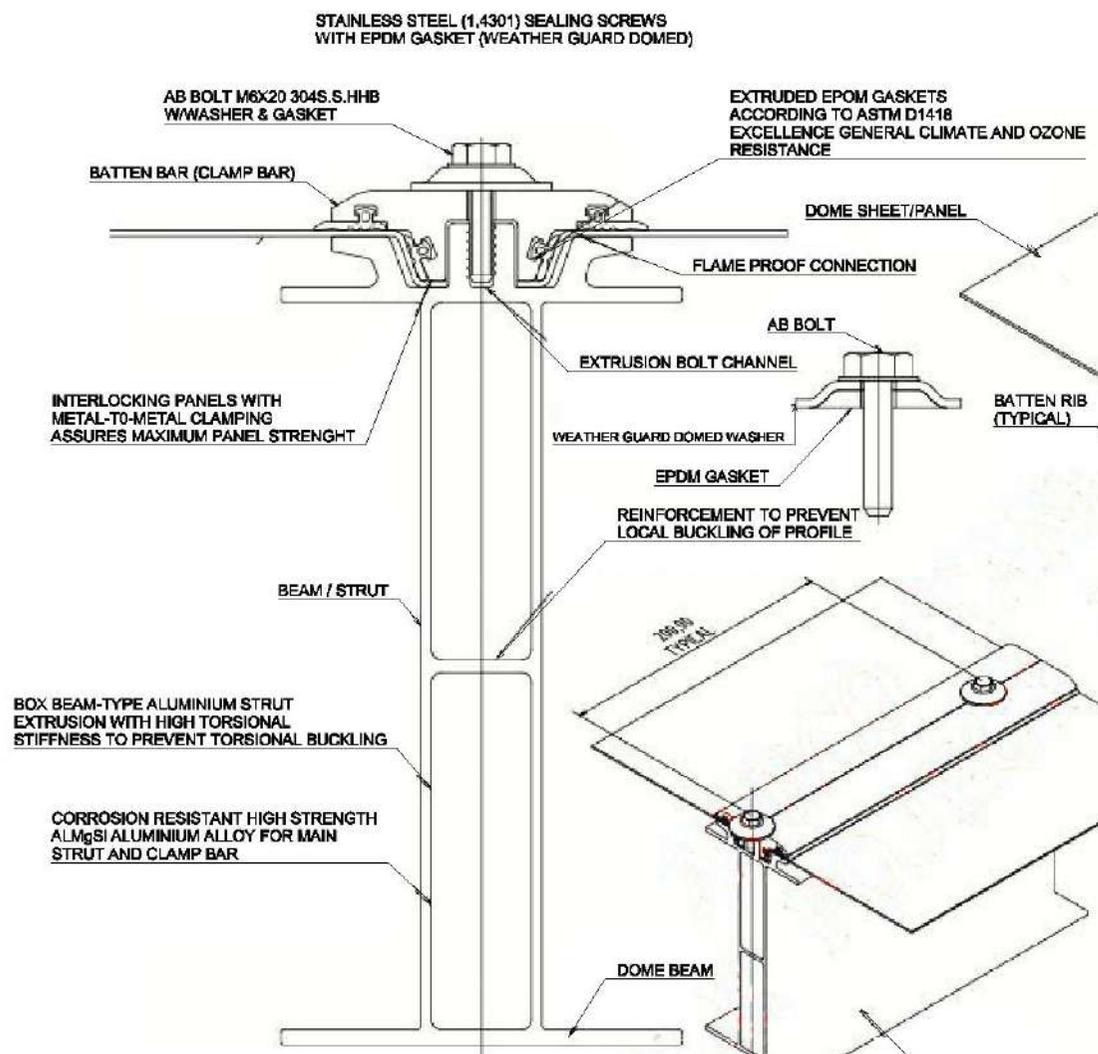
GASKET BETWEEN HUB COVER TYPICAL GUSSET JOINT AND PANEL (SPECIAL)

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANIYE
 Osmaniye V.D.: 4730 581 302

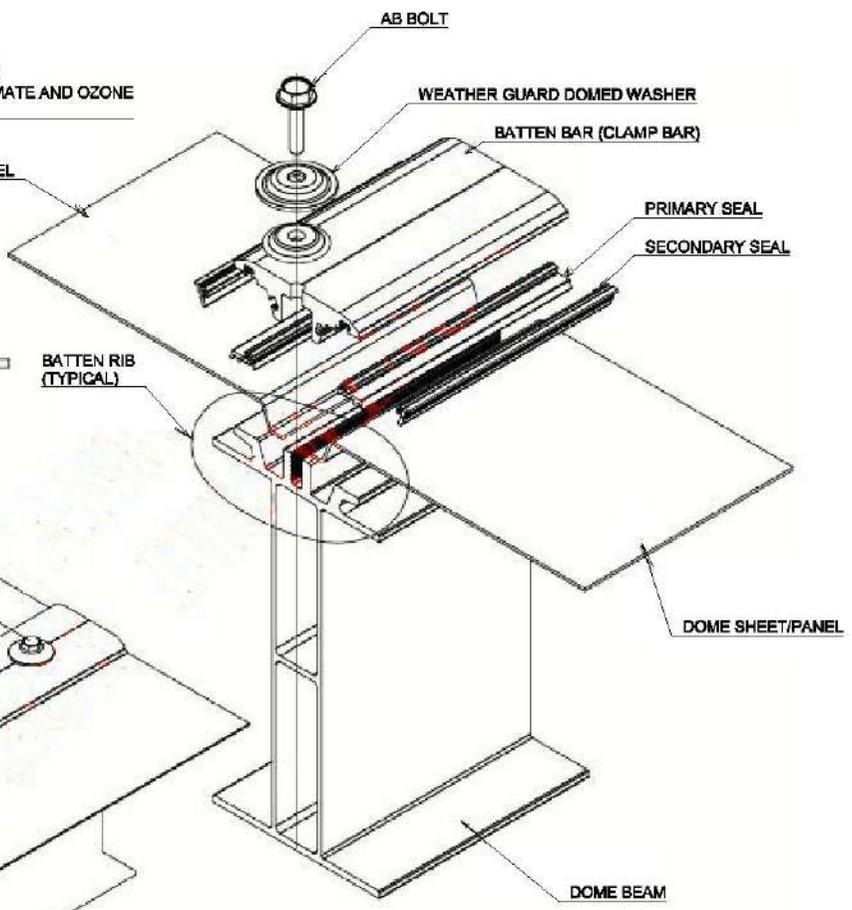
İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS		
DRAWN BY	DATE	DRAWING TITLE		
		Ø48,00 MT TYPICAL DOME STRUT DETAILS		
CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER İM.100.01.STD.19	REV 0
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX	PAGE 19/43

İLTAY MAKİNE VE KALIPÇILIK
 SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No/281A Merkez/OSMANIYE
 Osmangazi V.D.: 4730 581 302

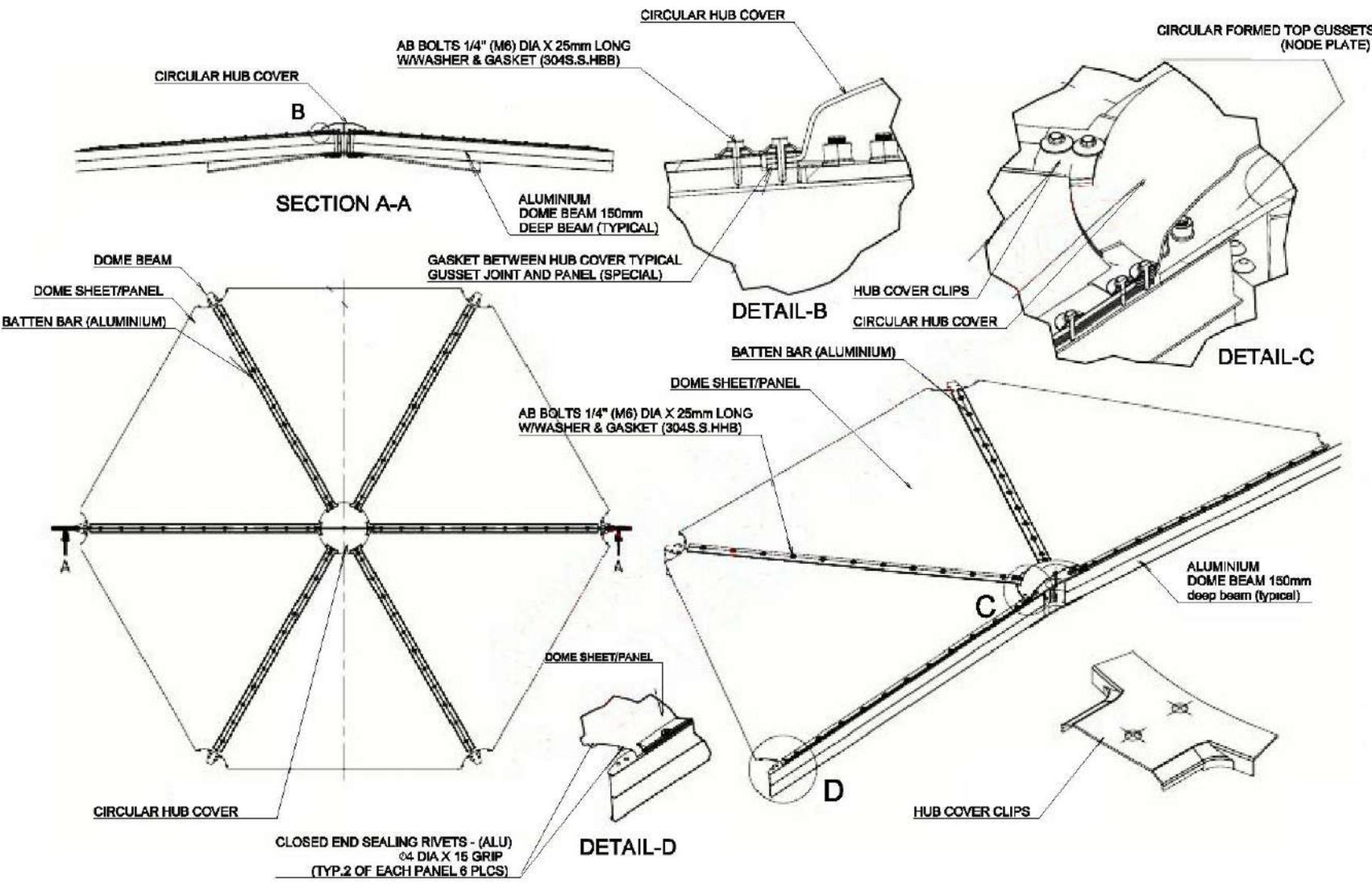
TYPICAL BEAM & BATTEN CONNECTION



BATTEN RIBBED DOME BEAMS SECTION

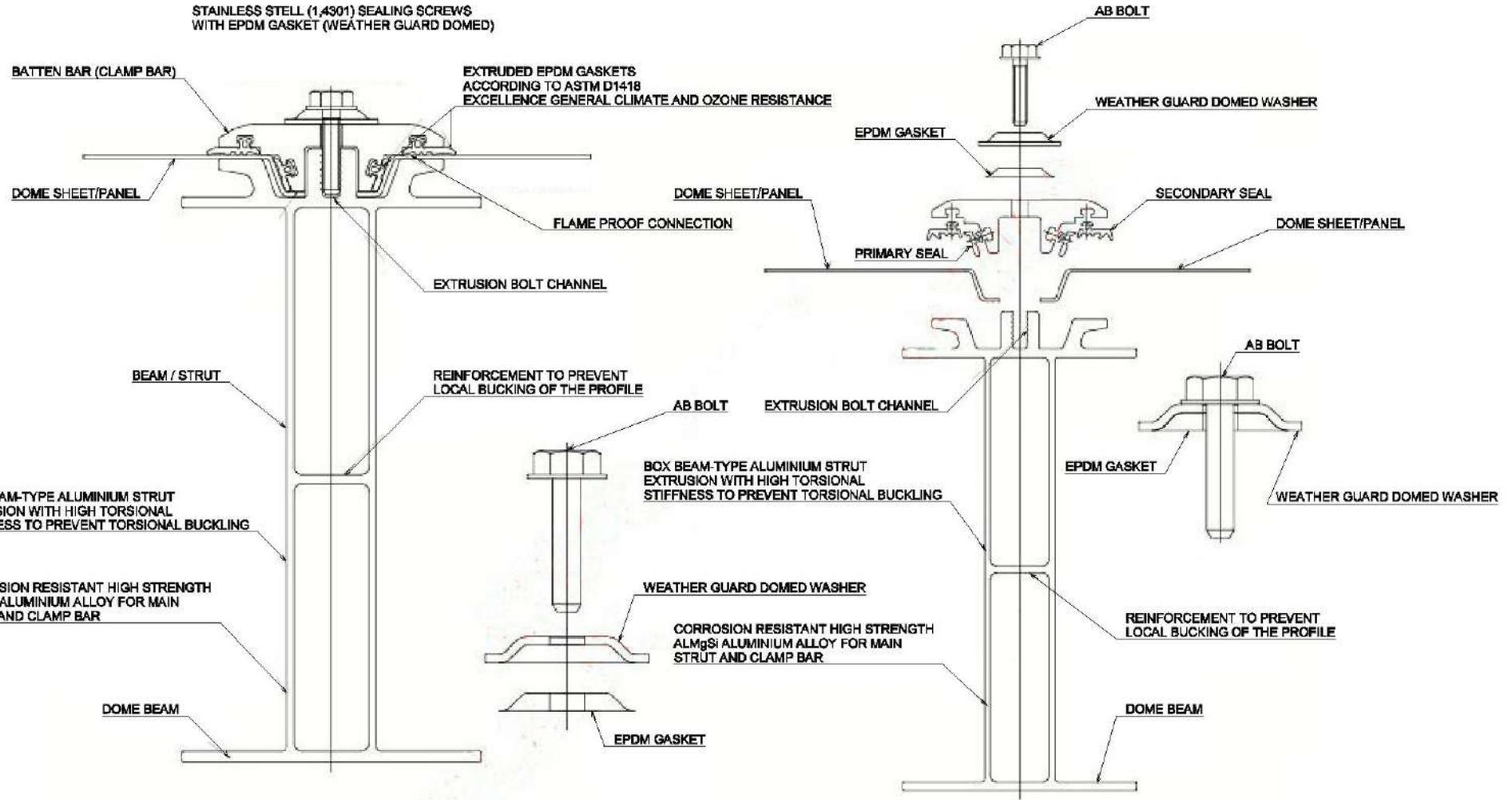


 ILTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS		
DRAWN BY XXX	DATE XXX	DRAWING TITLE ø48,00 MT TYPICAL BEAM AND BATTEN SECTION AND ISOMETRIC		
CHECKED BY XXX	DATE XXX	SIZE A2	DRAWING NUMBER IM.100.01.STD.20	REV 0
DESIGNED BY XXX	DATE XXX	SCALE 1:1	WEIGHT (kg) XXX	PAGE 20/43



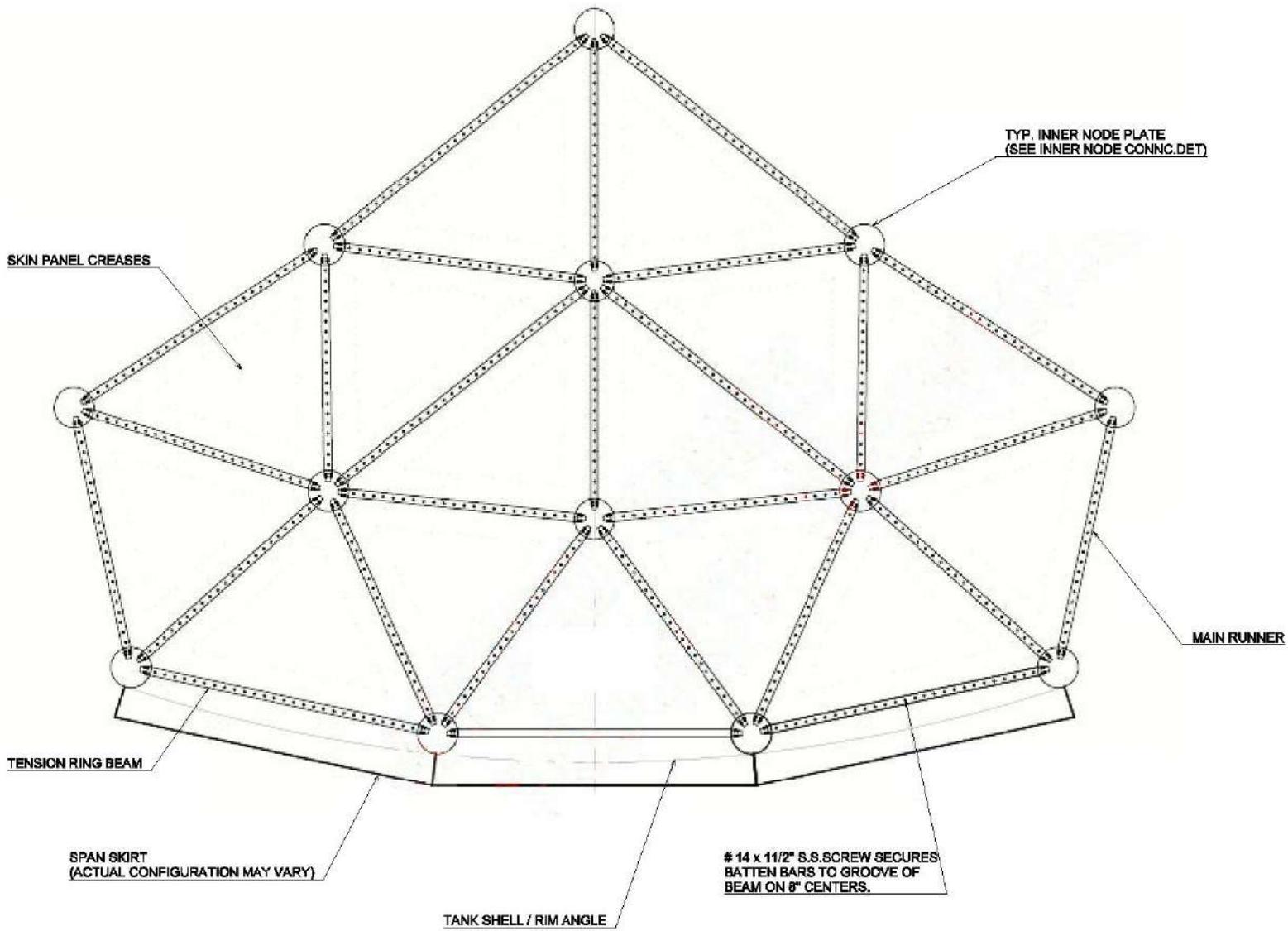
İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANIYE
 Gaziantep V.D.: 4730 581 302

 İLTA YAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS		
DRAWN BY XXX	DATE XXX	DRAWING TITLE ø48,00 MT HUB CONNECTION POSITION AND TYPICAL VIEW		
CHECKED BY XXX	DATE XXX	SIZE A2	DRAWING NUMBER İM.100.01.STD.21	REV 0
DESIGNED BY XXX	DATE XXX	SCALE 1:1	WEIGHT (kg) XXX	PAGE 21/43



İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANİYE
 Osmaniye V.D.: 4730 581 302

 İLTA Y MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY XXX	DATE xxx	DRAWING TITLE ø48,00 MT TYPICAL BEAM PROFILE AND BATTEN CONNECTION SEC.DETAIL			
CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER İM.100.01.STD.22	REV 0	PAGE 22/43
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX		



BATTEN SKIN PANEL DETAIL

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LİM. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No: 28/A Merkez/OSMANIYE
 Gaziantep V.D.: 4730 581 382

NODE PLATE GENERAL NOTES;
 UPPER AND LOWER NODE PLATES WILL VARY IN THICKNESS AND DIAMETER AS REQUIRED BY SIZE AND LOADING CONDITIONS.
 DEPENDING ON SPECIFICATIONS, ALL BOLTED CONNECTIONS WILL CONSIST OF ALUMINIUM, STAINLESS STEEL OR CADMIUM
 PLATED BOLTS AND NUTS. COMPUTER STRESS ANALYSIS DETERMINES NUMBER OF BOLTS PER NODE PLATE CONNECTION.

 İLTA Y MAKİNE VE KALIPÇILIK		Project Description			
		STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE	
				ø48,00 MT BATTEN SKIN PANEL INSTALLATION	
CHECKED BY		DATE		SIZE	DRAWING NUMBER
XXX		XXX		A2	İM.100.01.STD.23
DESIGNED BY		DATE		SCALE	WEIGHT (kg)
XXX		XXX		1:1	XXX
					REV
					0
					PAGE
					23/43

CIRCULAR HUB COVER

DOME SHEET (1,2 mm)

CIRCULAR HUB COVER

SILICONE SEALANT AROUND
EAC GUSKET COVER

HUB COVER CLIPS

ALUMINIUM
DOME BEAM 150mm
DEEP BEAM (TYPICAL)

SECTION A-A

ALUMINIUM
DOME BEAM 150mm
DEEP BEAM (TYPICAL)

AB BOLTS 1/4" (M6) DIA X 25mm LONG
S/WASHER & GASKET (304S.S. HBB)

SILICONE SEALANT BETWEEN
GUSSET PLATE AND PANEL
AT ENDS OF BATTEN BAR

CIRCULAR FORMED TOP GUSSETS
(NODE PLATE)

Ø9,5mm DIA. AL. LOCK BOLTS, STRUT
FLANGE TO GUSSET
EACH END 4 TOP AND 4 BOTTOM

SILICONE SEALANT
BETWEEN HUB COVER
AND PANEL CORNER

CIRCULAR FORMED BOTTOM GUSSETS
(NODE PLATES)

GASKET BETWEEN HUB COVER TYPICAL
GUSKET JOINT AND PANEL (SPECIAL)

BATTEN BAR (ALUMINIUM)

DOME SHEET/PANEL (1,2mm)

ALUMINIUM
DOME BEAM 150mm
DEEP BEAM (TYPICAL)

CLOED END SEALING RIVETS - (ALU)
Ø4 DIA x 15 GRIP
(TYP. 2 OF EACH PANEL 8 PLC)

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
A. Menderes Mahallesi Mobilyacılar
Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 302

ALL MATERIAL EXCEPT AS OTHERWISE NOTED
OS MILL FINISH ALUMINIUM AS FOLLOWS;

- * STRUT/BEAM, GUSSETS AND PLATES : 6061 - T6
- * PANELS, FLASHING AND GUSSETS COVERS : 3003 - H16
- * BATTENS : 6061 - T6

FASTENERY;

- LOCKBOLTS - ALU.7075 OR S.S.304
AS NOTED (AL LOCKBOLTS CLEAN ANOTIZED S.S.204)
- LOCKBOLS COLLARS - ALUMINIUM (6061 HEAT TREATED)
- SHOE SUPPORT PLATE BOLTS - S.S.304
- BATTEN SCREW - 1/4" DIA. S.S)

 İLTA Y MAKİNE VE KALIPÇILIK		Project Description			
		STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE	
				Ø48,00 MT HUB CONNECTION DETAILS SECTION	
CHECKED BY		DATE		SIZE	
XXX		xxx		A2	
DESIGNED BY		DATE		DRAWING NUMBER	
XXX		xxx		İM.100.01.STD.24	
SCALE		WEIGHT (kg)		REV	
1:1		xxx		0	
				PAGE	
				24/43	

GASKET BETWEEN HUB COVER TYPICAL GUSSET JOINT AND PANEL (SPECIAL)

AB BOLTS 1/4" (M6) DIA x 25mm LONG W/WASHER & GASKETS (304S.S. HHB)

HUB COVER CLIPS CIRCULAR HUB COVER

DOME SHEET (PANEL 1,2mm)

DOME SHEET (1,2mm)

BATTEN BAR (ALUMINIUM)

CIRCULAR FORMED TOP GUSSETS (NODE PLATE)

ALUMINIUM DOME BEAM 150mm DEEP BEAM (TYPICAL)

ALUMINIUM DOME BEAM 150mm DEEP BEAM (TYPICAL)

DEYAIL- A

CIRCULAR FORMED TOP GUSSETS (NODE PLATE)

CIRCULAR FORMED TOP GUSSETS (NODE PLATE)

CIRCULAR HUB COVER

ALUMINIUM DOME BEAM 150mm DEEP BEAM (TYPICAL)

CIRCULAR FORMED BOTTOM GUSSETS (NODE PLATE)

AB BOLTS 1/4" (M6) DIA x 25 mm LONG W/WASHER & GASKET (304S.S. HHB)

CIRCULAR FORMED BOTTOM GUSSETS (NODE PLATE)

CLOSED END SEALING RIVETS - (ALU) 24 DIA x GRIP (TYP. 2 OF EACH PANEL 6 PLCS)

ALUMINIUM DOME BEAM 150mm DEEP BEAM (TYPICAL)

İLTAY MAKİNE TALAŞLI İMALAT SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
A. Menderes Mahallesi Mobilyacılar Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 981 302

ALL MATERIAL EXCEPT AS OTHERWISE NOTED OS MILL FINISH ALUMINIUM AS FOLLOWS;
* STRUT/BEAM, GUSSETS AND PLATES : 6061 - T6
* PANELS, FLASHING AND GUSSETS COVERS : 3003 - H16
* BATTENS : 6061 - T6

FASTENERY:
LOCKBOLTS - ALU.7075 OR S.S.304
AS NOTED (ALL LOCKBOLTS CLEAN ANOTIZED S.S.204
LOCKBOLS COLLARS - ALUMINIUM (6061 HEAT TREATED)
SHOE SUPPORT PLATE BOLTS - S.S.304
BATTEN SCREW - 1/4" DIA. S.S)

		Project Description			
		STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE	
XXX		XXX		ø48,00 MT HUB CONNECTION DETAIL ASSEMBLY EXPLODED	
CHECKED BY		DATE		DRAWING NUMBER	
XXX		XXX		IM.100.01.STD.25	
DESIGNED BY		DATE		REV	
XXX		XXX		O	
SCALE 1:1		WEIGHT (kg) XXX		PAGE 25/43	

STAINLESS (1,4301) SEALING SCREWS
WITH EPDM GASKET (WEATHER GUARD DOMED)

AB BOLT M6X20 304S.S. HBB
W/WASHER & GASKET

EXTRUDED EPDM GASKETS
ACCORDING TO ASTM D1418
EXCELENC GENERAL
CLIMATE AND OZONE RESISTANCE

DOME SHEET/PANEL

AB BOLT M6X20 304S.S. HBB
W/WASHER & GASKET

BATTEN BAR (CLAMP BAR)

SECONDARY SEAL

PRIMARY SEAL

WEATHER GUARD DOMED WASHER

AB BOLT

EPDM GASKET

BATTEN BAR (CLAMP BAR)

DOME BEAM

SECONDARY SEAL

PRIMARY SEAL

DOME SHEET/PANEL

EXTRUSION
BOLT CHANNEL

DOME BEAM

BATTEN BAR (CLAMP BAR)

DOME SHEET/PANEL

FLAME PROOF CONNECTION

INTERLOCKING PANELS WITH
METAL-TO METAL CLAMPING
ASSURES MAXIMUM PANEL STRENGHT

REINFORCEMENT TO PREVENT
LOCAL BUCKLING OF THE PROFILE

BOX BEAM-TYPE ALUMINIUM STRUT
EXRUSION WITH HIGH TORSIONAL
STIFFNESS PREVENT TORSIONAL BUCKLING

CORROSION RESITANT HIGH SYRENGTH
ALMgSi ALUMINIUM ALLOY FOR MAIN
STRUT AND CLAMP BAR

DOME BEAM

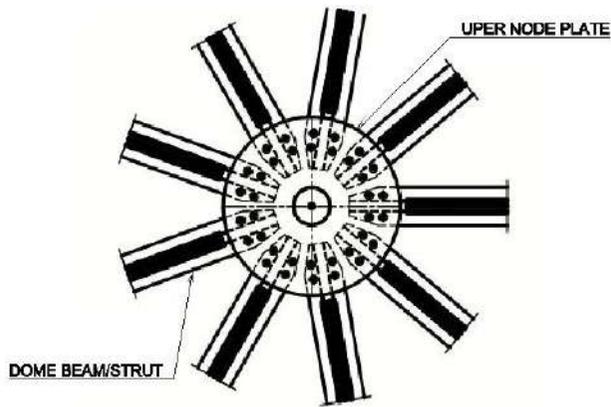
EXRUSION BOLT CHANNEL

DOME BEAM

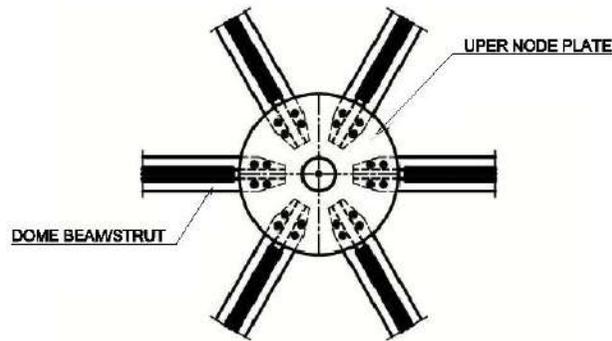
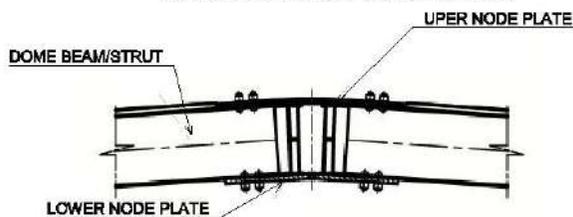
BATTEN RIBBED DOME BEAM
(TYPICAL)

İLTAY MAKİNE TALAŞLI İMALAT
SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
A. Menderes Mahallesi Mobilyacılar
Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 302

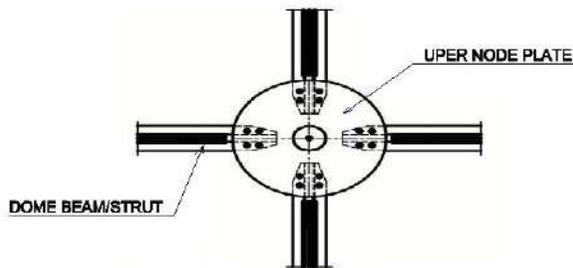
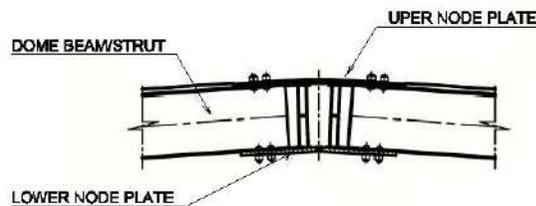
İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE			
		ø48,00 MT TYPICAL BEAM PROFILE CROSS-SECTION			
CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER İM.100.01.STD.26	REV 0	
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX	PAGE 26/43	



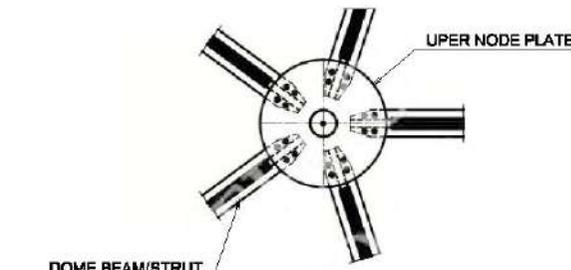
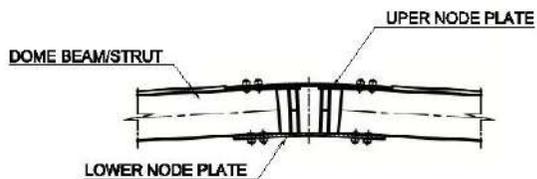
CENTER NODE CONNECTION



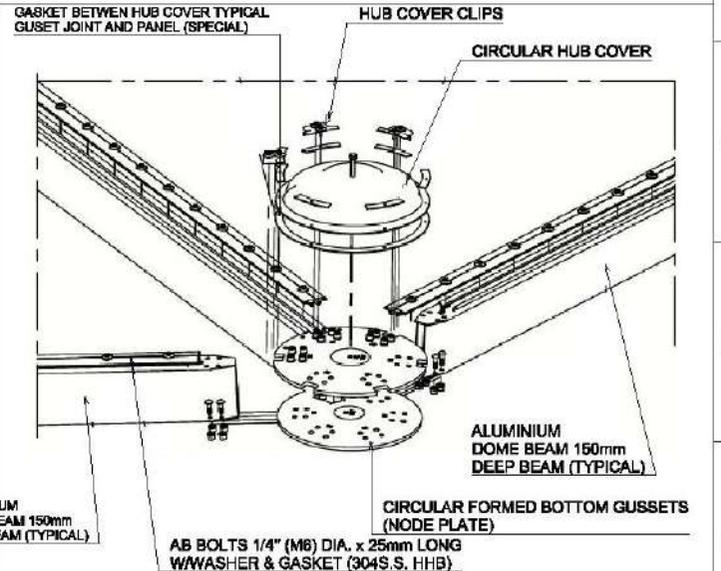
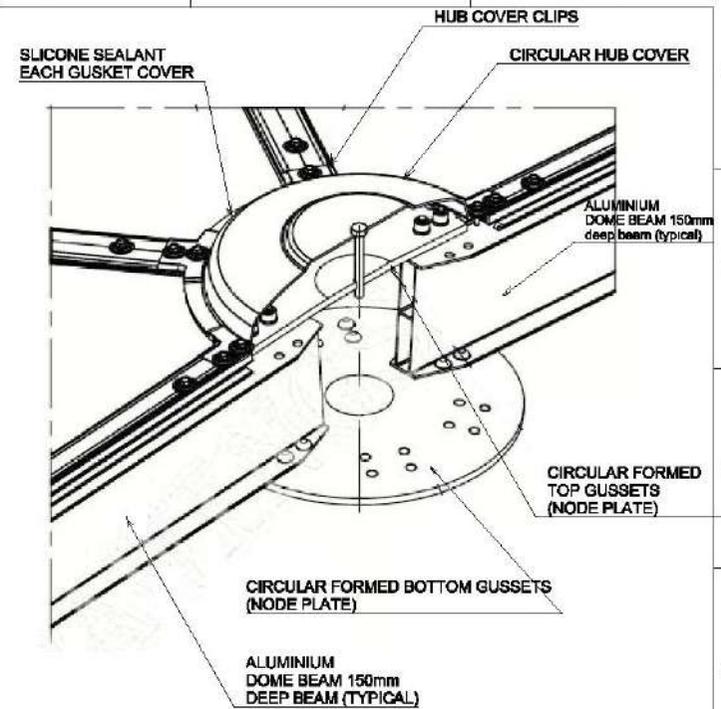
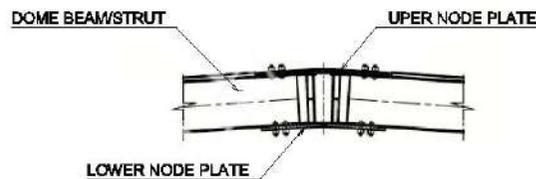
INTERNAL NODE CONNECTION



TENSION RING NODE CONNECTION



TENSION RING NODE CONNECTION



NODE PLATE GENERAL:

1. UPPER AND LOWER NODE PLATES WILL VARY IN THICKNESS AND DIAMETER AS REQUIRED BY SIZE AND LOADING CONDITIONS.
2. DEPENDING ON SPECIFICATION, ALL BOLTED CONNECTION WILL CONSIST OF ALUMINIUM, STAINLESS STEEL OR CAMIUM PLATED BOLTS AND NUTS. COMPUTER STRESS ANALYSIS DETERMINES NUMBER OF BOLTS PER NODE PLATE CONNECTION.

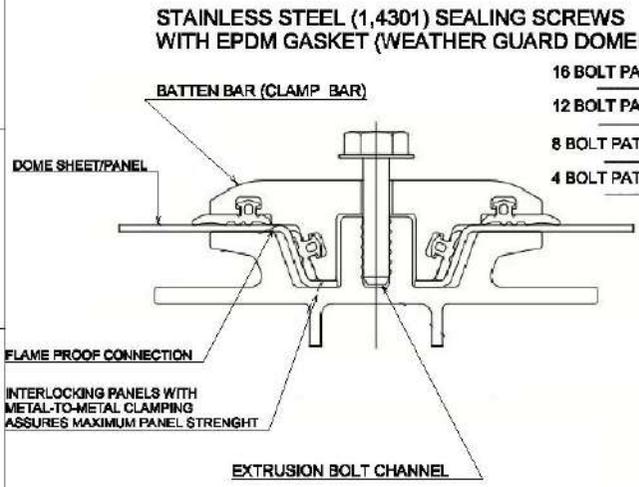
İLTAY MAKİNE VE KALIPÇILIK
 SAN. TİC. LTD. VE İHR. LTD. ŞTİ.
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 Sokak No/28A Merkez/OSMANIYE
 Ormanlıy. V.D.: 4730 981 302

İLTAY
 MAKİNE VE KALIPÇILIK

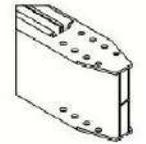
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 CHECKED BY: XXX
 DESIGNED BY: XXX

DATE: xxx
 DATE: xxx

Project Description		STORAGE TANKS	
DRAWING TITLE		ø48,00 MT TYPICAL NODE PLATE CONNECTION BATTEN DESIGN	
SIZE	DRAWING NUMBER	REV	
A2	İM.100.01.STD.27	0	
SCALE	1:1	WEIGHT (kg)	XXX
			PAGE 27/43

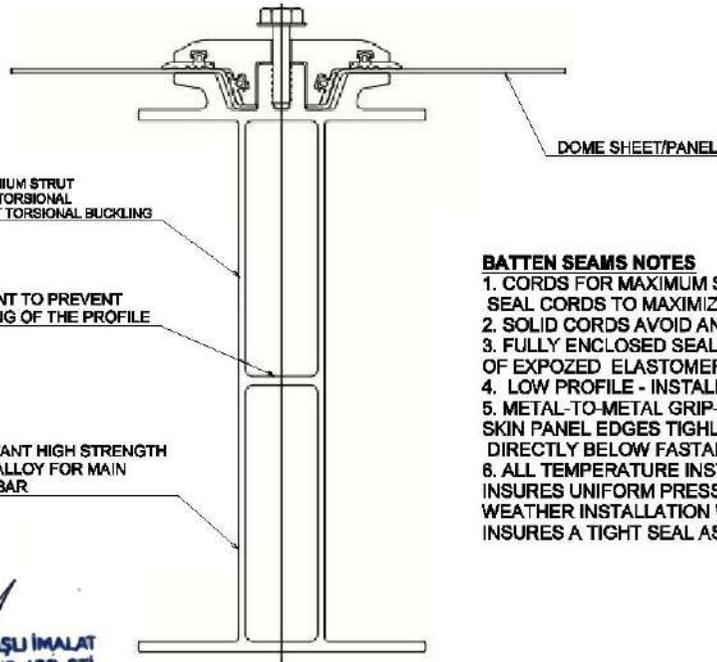


- 16 BOLT PATTERN
- 12 BOLT PATTERN
- 8 BOLT PATTERN
- 4 BOLT PATTERN



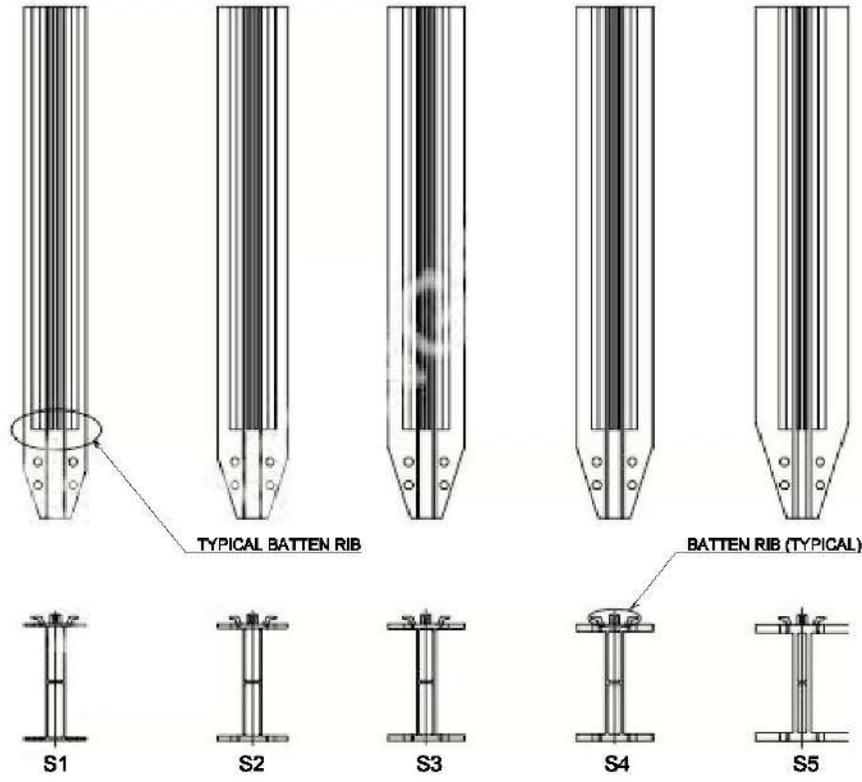
TYPICAL INTERNAL / TENSION BEAM

BATTEN SEAM DETAIL



BATTEN SEAMS NOTES

1. CORDS FOR MAXIMUM SEALING EFFICIENCY SILICONE SEAL CORDS TO MAXIMIZE LIFE UNDER ALL SERVICE CONDITIONS.
2. SOLID CORDS AVOID ANY ABSORPTION OF WATER OR CHEMICALS.
3. FULLY ENCLOSED SEAL CORDS, TO AVOID ENVIRONMENTAL HAZARDS OF EXPOSED ELASTOMERS. (CONTINUOUS, FULL LENGTH OF BATTEN BAR)
4. LOW PROFILE - INSTALLED BATTEN ONLY 3/8" ABOVE SKIN PANEL.
5. METAL-TO-METAL GRIP-SERRATED CENTER RIBS OF BATTEN CLAMP SKIN PANEL EDGES TIGHTLY AGAINST SERRATED BEAM FLANGE. RIBS ARE DIRECTLY BELOW FASTENER PROVIDING MAXIMUM PRESSURE.
6. ALL TEMPERATURE INSTALLATION - SPRING ACTION OF THE BATTEN "WINGS" INSURES UNIFORM PRESSURE AGAINST THE SEAL CORDS DURING COLD WEATHER INSTALLATION WHEN THE CORDS ARE "FIRM". THE SAME SPRING ACTION INSURES A TIGHT SEAL AS THE TEMPERATURE RISES AND THE SEAL CORDS SOFTEN.



BATTEN RIBBED BEAMS GENERAL NOTES

1. TENSION AND INTERNAL BEAM SIZES, WEIGHT THICKNESS AND AREA WILL VARY ACCORDING TO THE INDIVIDUAL STRESS REQUIREMENTS.
2. FLANGE BOLT HOLE PATTERNS ARE DETERMINED BY SIZE AND LOADING CONDITIONS, REFERENCE STRESS SUMMARY SHEET FOR DETAILS.
3. TENSION BEAM WEB HOLES ARE REQUIRED ONLY WHEN A TENSION TIE STRAP IS CALLED FOR IN THE STRESS SUMMARY SHEET. THE NUMBER OF TENSION TIE HOLES AND PATTERN WILL VARY WITH LOADING CONDITIONS.

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		Project Description			
		STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE	
				Ø48,00 MT BATTEN BEAM & BATTEN RIBBED TYPICAL BEAM DETAILS	
CHECKED BY		DATE		DRAWING NUMBER	
XXX		xxx		İM.100.01.STD.28	
DESIGNED BY		DATE		REV	
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SCALE		WEIGHT (kg)		PAGE	
1:1		XXX		28/43	

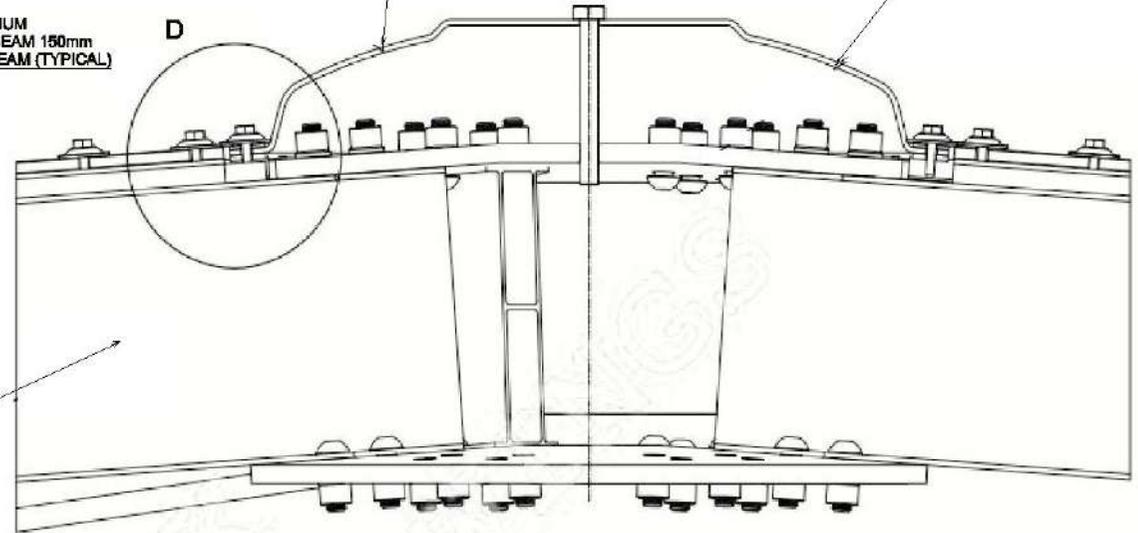
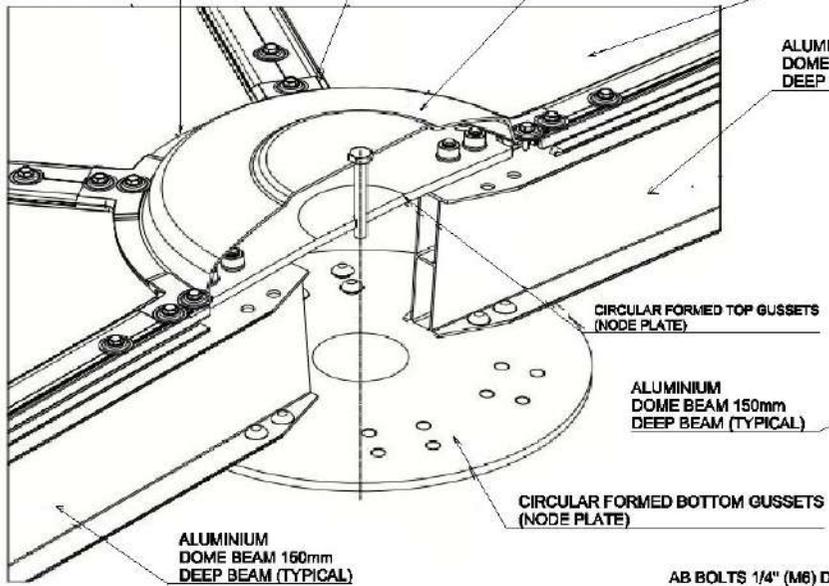
SILICONE SEALANT AROUND EACH GUSSET COVER

HUB COVER CLIPS

CIRCULAR HUB COVER

DOME SHEET (PANEL 1,2mm) CIRCULAR HUB COVER

CIRCULAR FORMED TOP GUSSETS (NODE PLATE)



AB BOLTS 1/4" (M6) DIA x 25mm LONG
W/WASHER & GASKET (304S.S. HHB)

AB BOLTS 1/4" (M6) DIA x 25mm LONG
W/WASHER & GASKET (304S.S. HHB)

BATTEN BAR (ALUMINIUM)

GASKET BETWEEN HUB COVER TYPICAL
GUSSET JOIN AND PANEL (SPECIAL)

ALUMINIUM DOME BEAM 150mm
DEEP BEAM (TYPICAL)

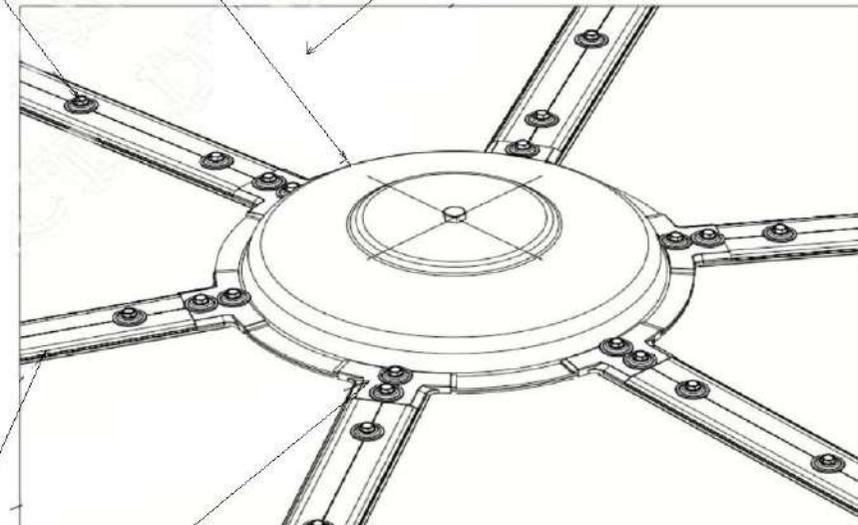
CIRCULAR FORMED TOP GUSSETS (NODE PLATE)

DETAIL - D

BATTEN BAR (ALUMINIUM)

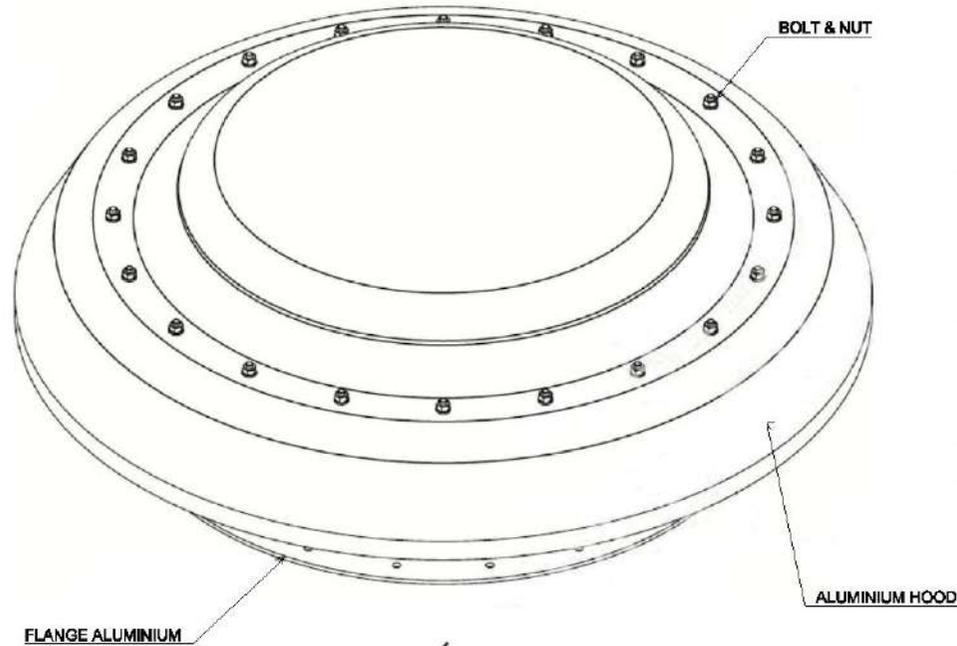
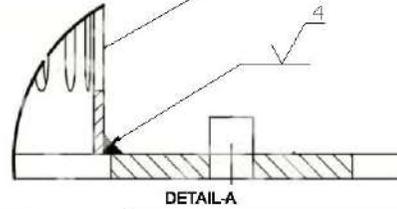
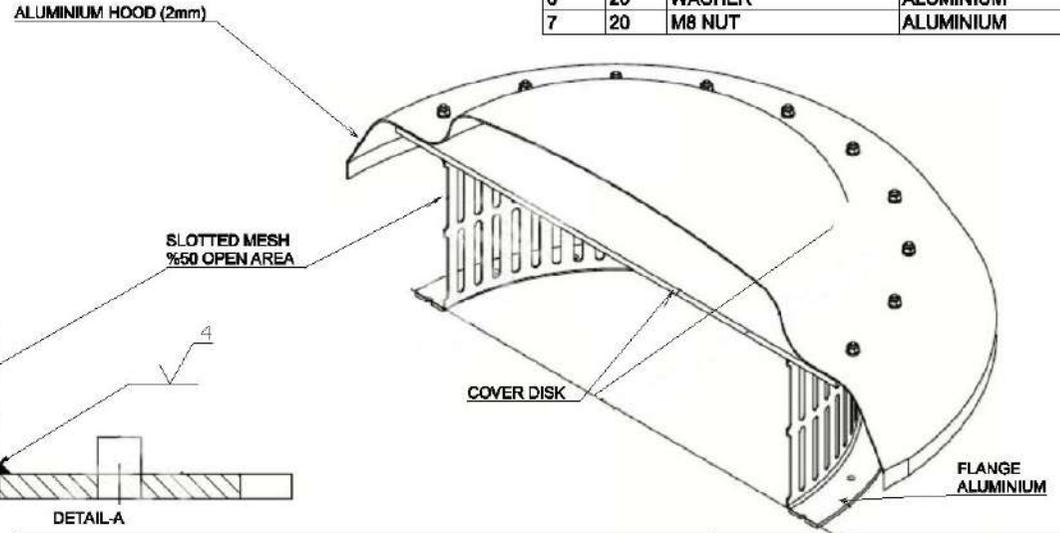
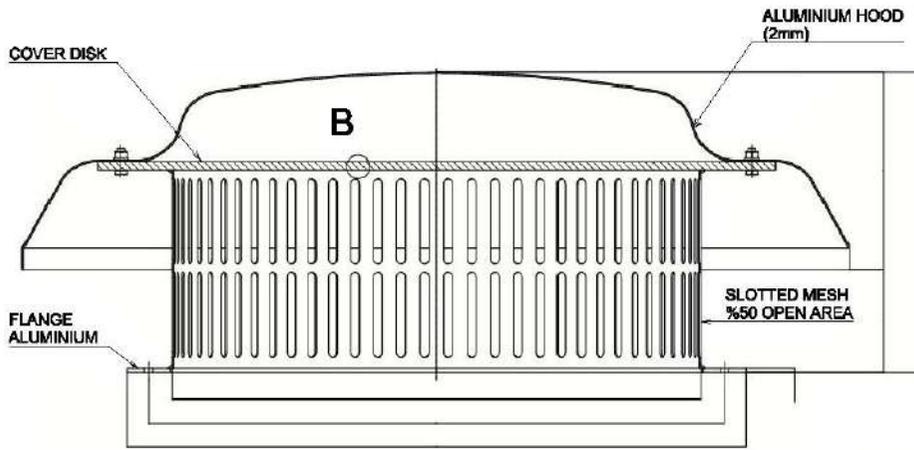
CIRCULAR HUB COVER

DOME SHEET (PANEL 1,2mm)



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 Sokak No: 28/A Merkez/OSMANIYE
 Osmaniye V.D.: 4730 581 302

 İLTAY MAKİNE VE KALIPÇILIK		Project Description			
		STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE			
XXX	xxx	ø48,00 MT HUB CONNECTION SECTION AND GASKET DETAIL AND COVER DETAIL			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV	
XXX	xxx	A2	İM.100.01.STD.29	0	
DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE	
XXX	xxx	1:1	xxx	29/43	



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HOOD	ALUMINIUM
2	1	BLIND FLANGE	ALUMINIUM
3	1	PIPE	ALUMINIUM
4	1	FLANGE	ALUMINIUM
5	20	M8x20	ALUMINIUM
6	20	WASHER	ALUMINIUM
7	20	M8 NUT	ALUMINIUM

Relief Performance Capacities (m ³ /h)										
Model Size	Throat Area m ²	Total Pressure Drop in mbar								
		0,1	0,149	0,199	0,249	0,311	0,465	0,622	0,746	0,871
16	0,134	1393	1741	2022	2277	2574	3135	3670	4052	4434
18	0,17	1691	2107	2447	2769	3118	3814	4443	4944	5418
20	0,209	2073	2582	3033	3390	3797	4638	5379	5969	6556
24	0,301	3024	3763	4383	4961	5530	6779	7900	8733	9599
30	0,467	4180	4910	5539	6142	6821	8359	9625	10571	11516
36	0,677	5060	6490	7671	8622	9833	11878	13630	15299	16664
42	0,907	7136	9175	10738	11944	13286	16497	19454	21832	24143
48	1,191	10024	12743	14951	16735	18774	23361	28569	28798	30922

Intake Performance Capacities (m ³ /h)										
Model Size	Throat Area m ²	Total Pressure Drop in mbar								
		0,1	0,149	0,199	0,249	0,311	0,465	0,622	0,746	0,871
16	0,134	1276	1572	1799	2005	2210	2757	3143	3451	3714
18	0,17	1551	1910	2185	2436	2684	3350	3819	4193	4513
20	0,209	1888	2324	2659	2965	3267	4076	4647	5102	5491
24	0,301	2447	3092	3602	4108	4625	5658	6517	7195	7781
30	0,467	3007	4010	4383	5556	6252	7595	8716	9385	9888
36	0,677	4361	5811	7012	8052	9056	11001	12624	13602	14333
42	0,907	5839	7781	9390	10784	12127	14732	16905	18217	19195
48	1,191	7873	10223	12338	14168	15933	19357	22211	23934	25220

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 Osmaniye V.D.: 4730 581 302

İLTAY
 MAKİNE VE KALIPÇILIK

DRAWN BY: _____ DATE: _____

CHECKED BY: XXX DATE: XXX

DESIGNED BY: XXX DATE: XXX

Project Description
STORAGE TANKS

DRAWING TITLE
ø48,00 MT CENTER / FREE VENT DETAIL

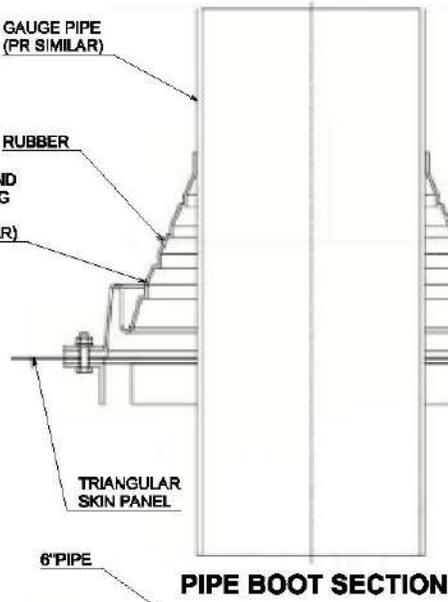
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SCALE: 1:1 WEIGHT (kg): XXX PAGE: **30/43**

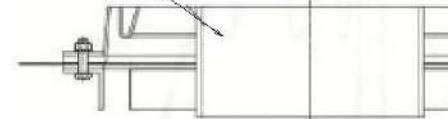
GAUGE PIPE
(PR SIMILAR)

RUBBER

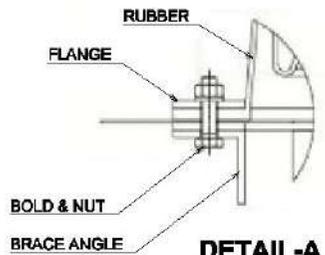
DEKITE BRAND
PIPE FLASHING
(TRIM TO FIT
PIPE DIAMETER)



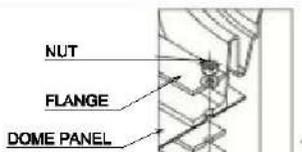
PIPE BOOT SECTION



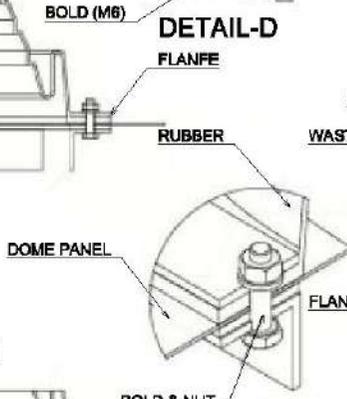
DETAIL-B



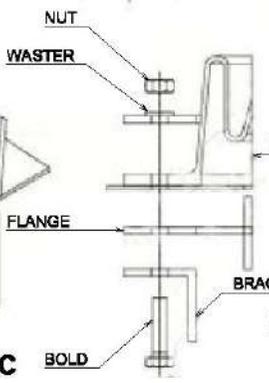
DETAIL-A



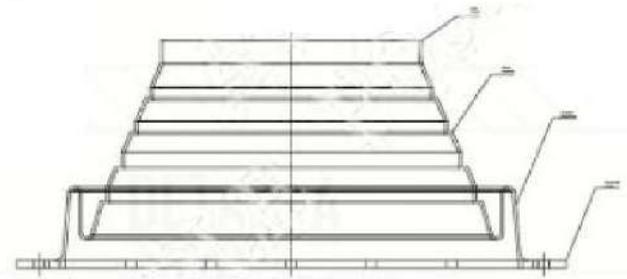
DETAIL-D



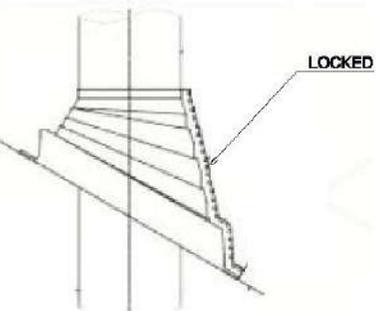
DETAIL-C



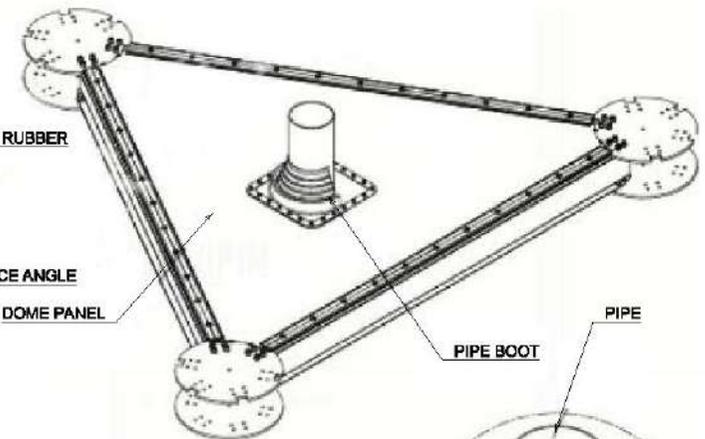
DETAIL-E



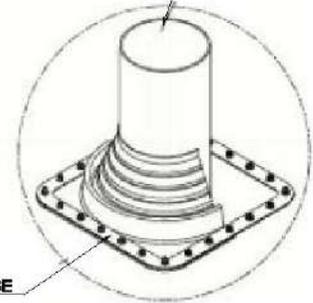
RUBBER SECTION VIEW



LOCKED



PIPE BOOT



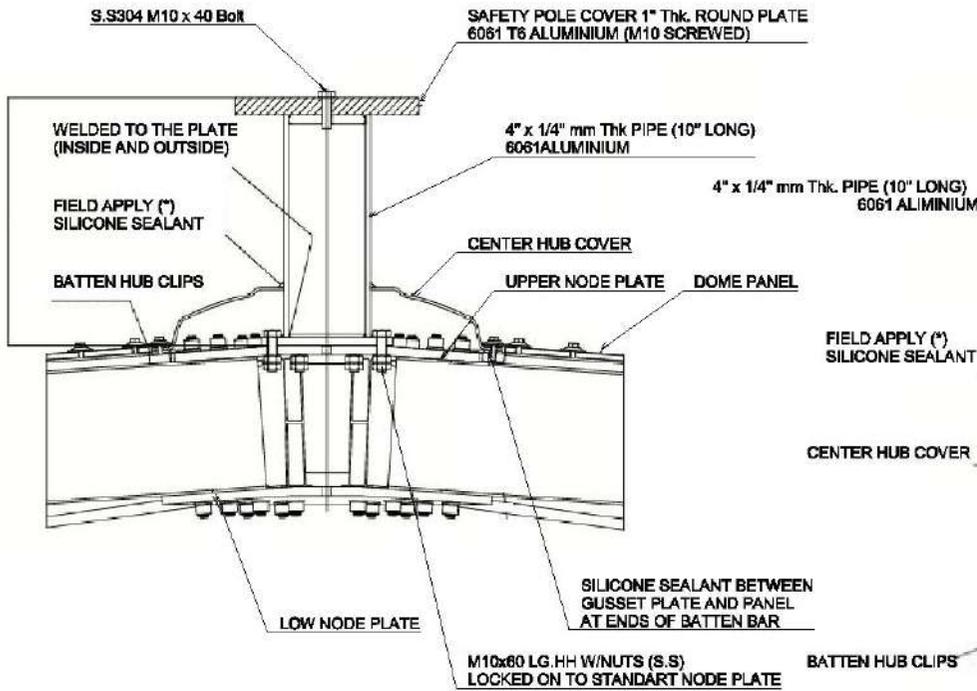
DETAIL-F

Code	Description	Pipe Size Metric	Pipe Size Imperial	Base mm	Inch	Material
DD101	Pipe Boot #1	5-65	1/4" - 2 1/2"	137x137	39"	EPDM
DD102	Pipe Boot #2	45-80	1 3/4" - 3 1/4"	177x177	64"	EPDM
DD103	Pipe Boot #3	5-127	1/4" - 5"	218x218	69 1/2"	EPDM
DD104	Pipe Boot #4	73-80	3" - 6 1/4"	284x284	85 3/4"	EPDM
DD105	Pipe Boot #5	108-190	4 1/4" - 7 1/2"	365x365	111 3/4"	EPDM
DD106	Pipe Boot #6	125-230	5" - 9"	365x365	143 1/2"	EPDM
DD107	Pipe Boot #7	150-280	6" - 11"	453x453	178 1/2"	EPDM
DD108	Pipe Boot #8	175-330	7" 13"	453x453	178 1/2"	EPDM
DD109	Pipe Boot #9	254-483	10" - 19"	686x686	269 3/4"	EPDM

EPDM WILL WITHSTAND CONSTANT TEMPERATURES AT THE ROOFLINE -50°C (122°F) TO 115°C (239°F) & UP TO 150°C (302°F) INTERMITTENTLY

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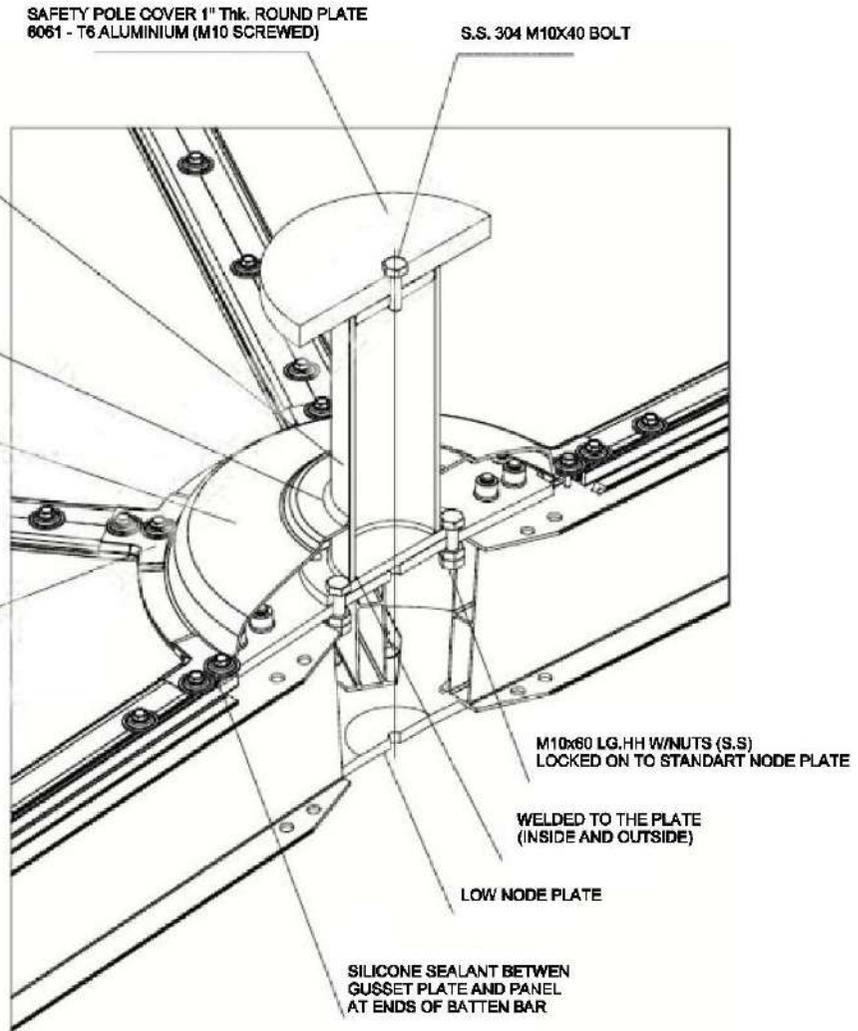
İLTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY		DATE		DRAWING TITLE ø48,00 MT TYPICAL GAUGE PIPE PASS THROUGH PIPE DEKITE BOOT	
CHECKED BY XXX		DATE xxx		DRAWING NUMBER İM.100.01.STD.31	
DESIGNED BY XXX		DATE xxx		REV 0	
SCALE 1:1		WEIGHT (kg) XXX		PAGE 31/43	



4" DIA CENTER PIN DETAIL

- 1.) NODE PLATE SUPPLIED WITH 10 HOLES
- 2.) PAINTERS PIN IS DESIGNED TO SUPPORT A 5000 LB LOAD SUSPENDED OVER THE EDGE OF THE DOME
- 3.) SHIP PLATE ASSEMBLED WITH STUD, NUTS, & WASHERS SHIP INSTALLED INSURE. THE CORRECT LENGTH OF THREAD ENGAGEMENT (NO CAULK) AND TO INSURE THAT COVER PLATE IS IN PLACE DURING DOME ERECTION. * SILICONE SEALANT FIELD APPLIED TO THE HUB COVER FLANGE, THE PIPE AND AROUND THE HOLE IN THE HUB COVER.

NOTE:
 EYEBOLT FOR DOME ACCESS MAINTENANCE ONLY BY QUALIFIED PERSONNEL. EYEBOLT RATED FOR OSHA FALL PROTECTION - MUST BE INSPECTED OR REPLACED AFTER FALL OR OTHER SHOCK LOADING. REMOVE ANY TEMPORARY SAFETY LINE IMMEDIATELY AFTER USE.



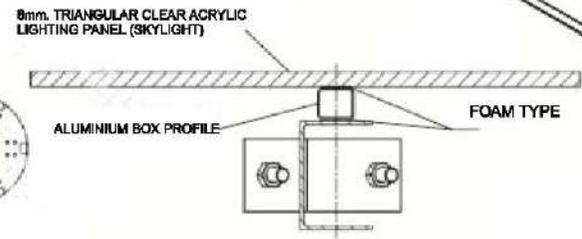
ILTAY MAKİNE TALAŞLI İMALAT
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 Ormanlıye V.D.: 4730 381 302

ILTAY MAKİNE VE KALIPÇILIK		Project Description STORAGE TANKS			
DRAWN BY	DATE	DRAWING TITLE			
		ø48,00 MT CENTER SAFETY LINE SUPPORT DETAIL			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV	
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DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE	
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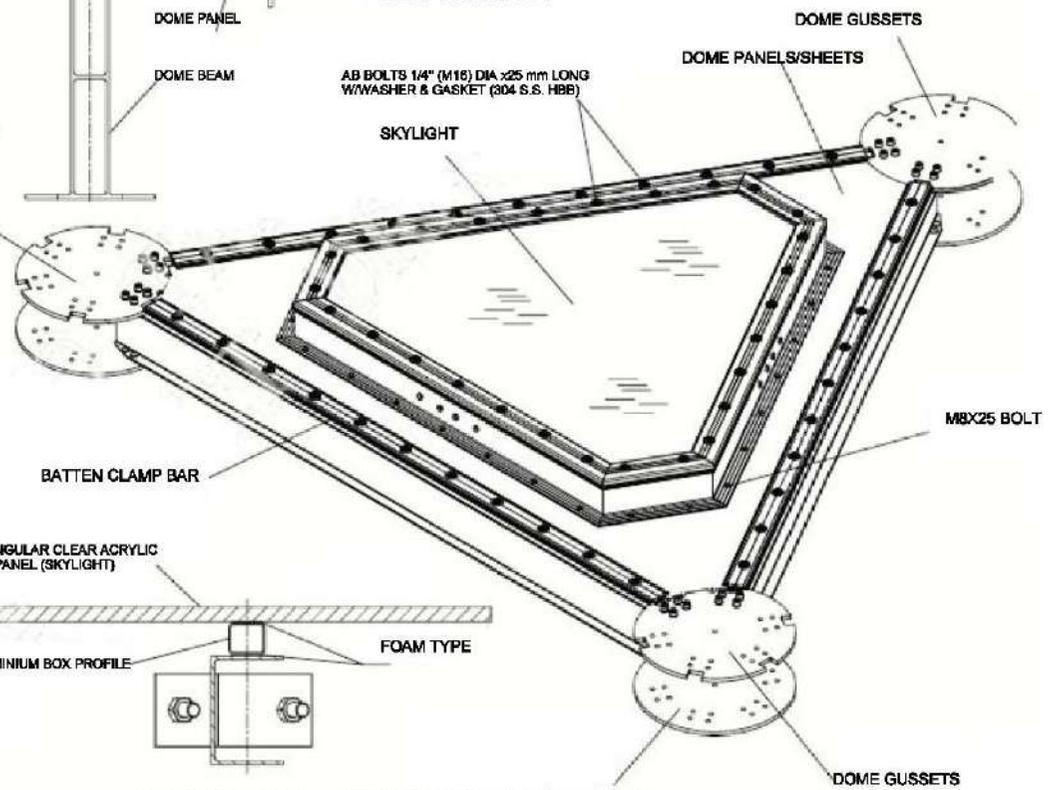
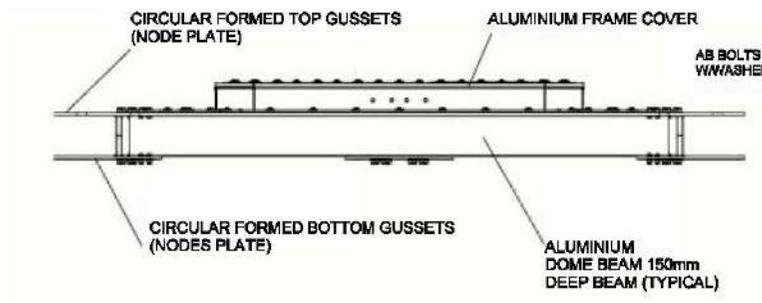
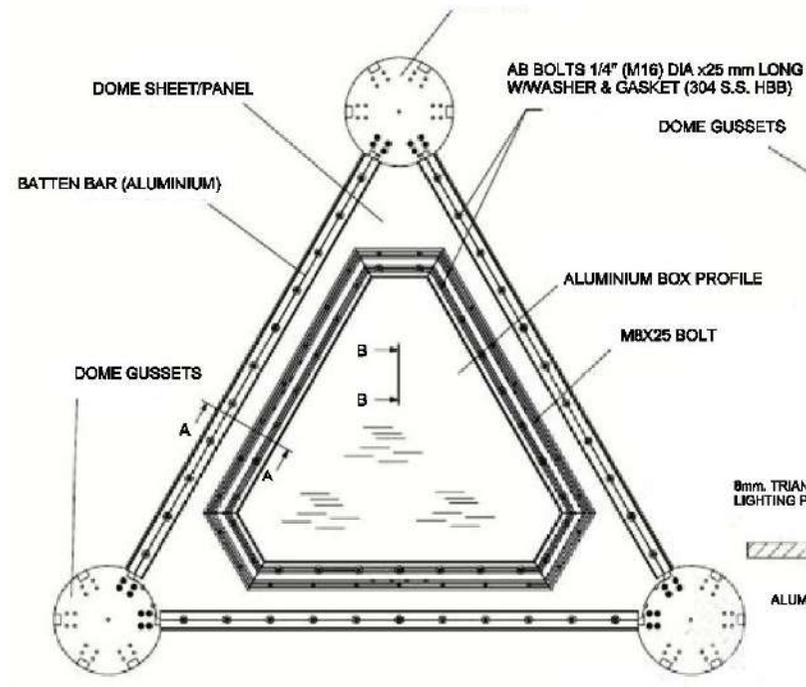
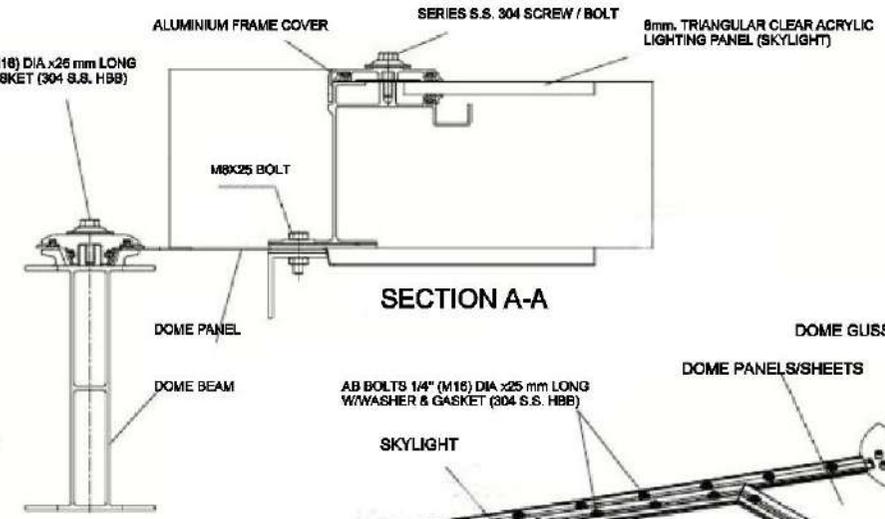
İLTAY MAKİNE TALESLİ İMALAT
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 A. Menderes Mahallesi Mobilyacılar
 Sokak No/288 Merkez/OSMANIYE
 Osmantiy. V.D.: 4730 981 302

		Project Description		
		STORAGE TANKS		
DRAWN BY		DRAWING TITLE		
		ø48,00 MT TRIANGULAR SKYLIGHT DETAIL-1		
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
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DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE
XXX	xxx	1:1	XXX	33/43

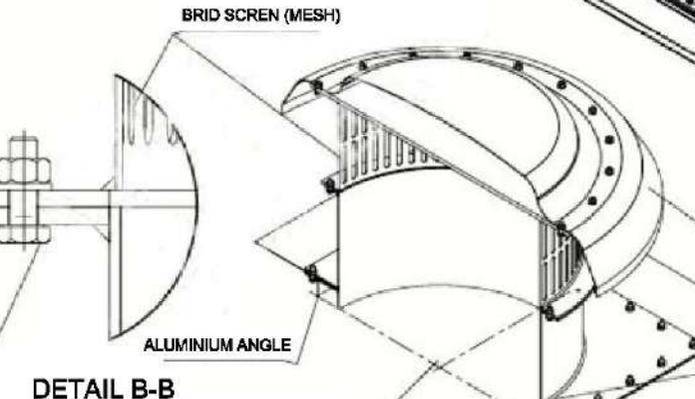
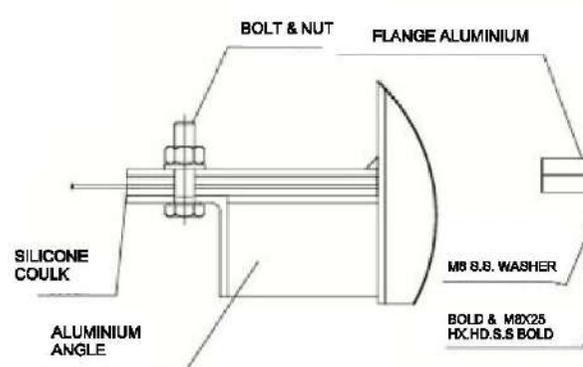
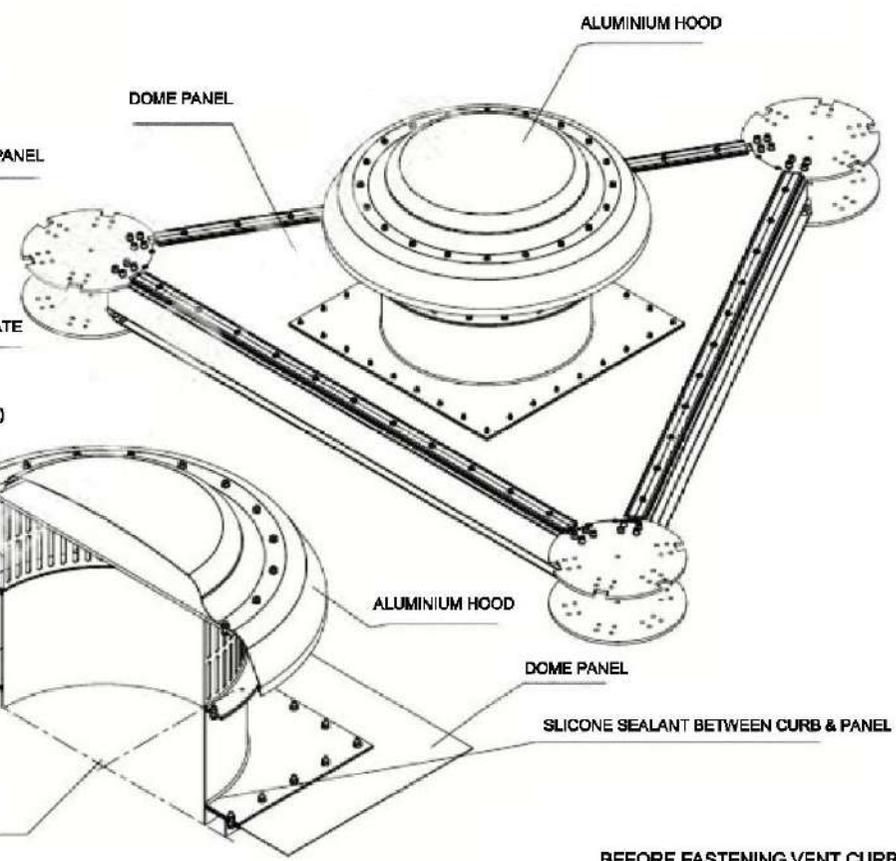
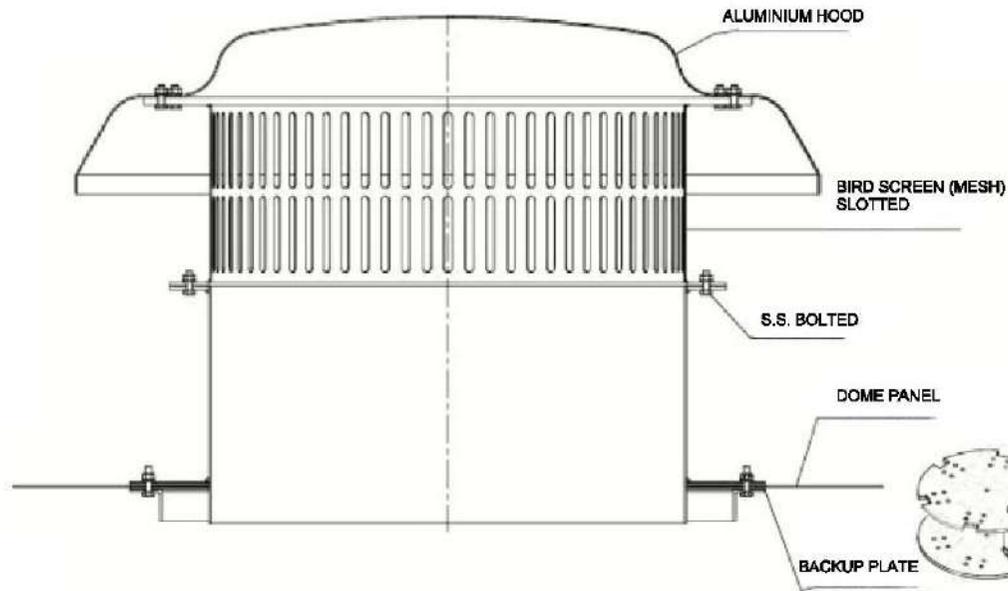
SECTION B-B



SECTION A-A



PART LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HOOD	
2	1	BLIND FLANGE,	
3	1	PIPE	
4	1	FLANGE	
5	20	M8X20	
6	20	WASHER	
7	20	M8 NUT	



DETAIL A-A

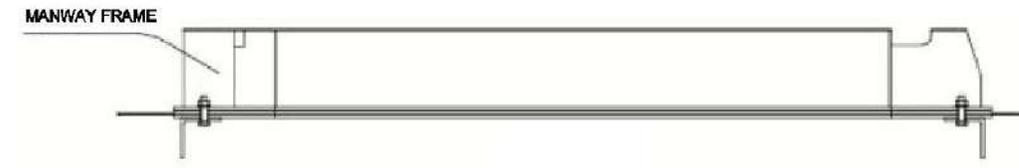
DETAIL B-B

BEFORE FASTENING VENT CURB TO PANEL
RUN A CONTINUOUS BEED OF SILICONE SEALANT
AROUND OUTSIDE PRIMETER OF HOLE PATTERN
BETWEEN CURP AND PANEL

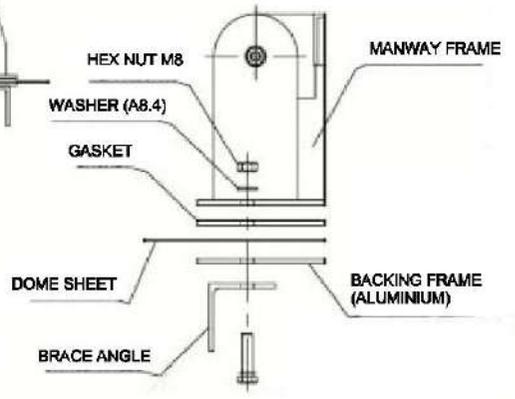
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A. Menderes Mahallesi Mobilyacılar
Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 302

		Project Description	
		STORAGE TANKS	
DRAWN BY		DRAWING TITLE	
		e48,00 MT 24" CENTER / FREE VANT ASSEMBLY	
CHECKED BY	DATE	SIZE	DRAWING NUMBER
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DESIGNED BY	DATE	SCALE	WEIGHT (kg)
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			PAGE 34/43

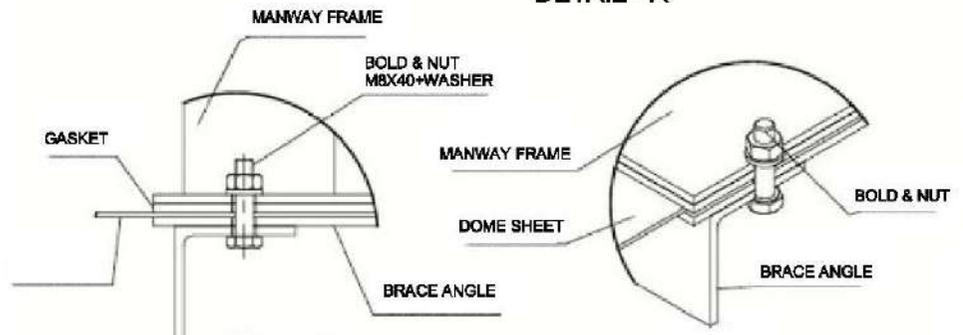
PART LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	HOOD	
2	1	BLIND FLANGE,	
3	1	PIPE	
4	1	FLANGE	
5	20	M8X20	
6	20	WASHER	
7	20	M8 NUT	



DETAIL - A

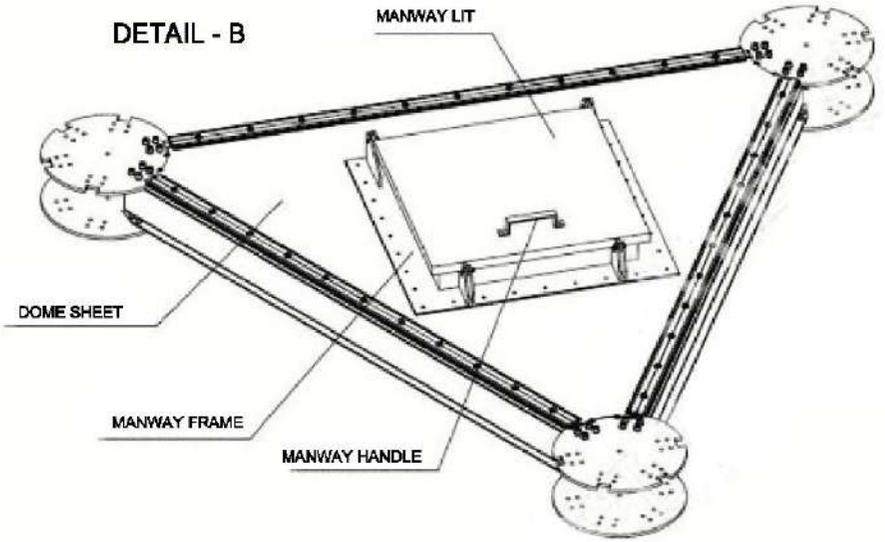
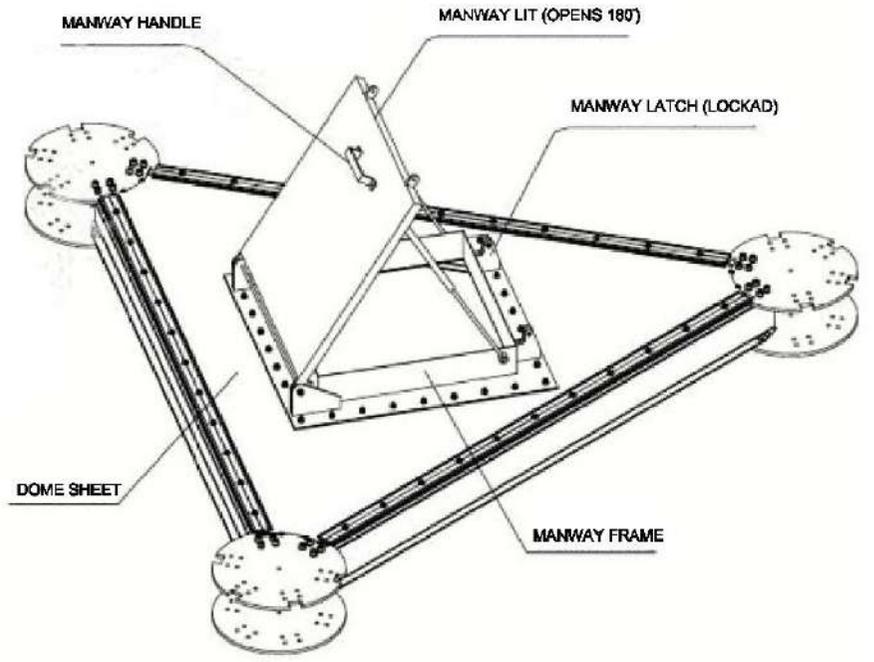


DETAIL - C



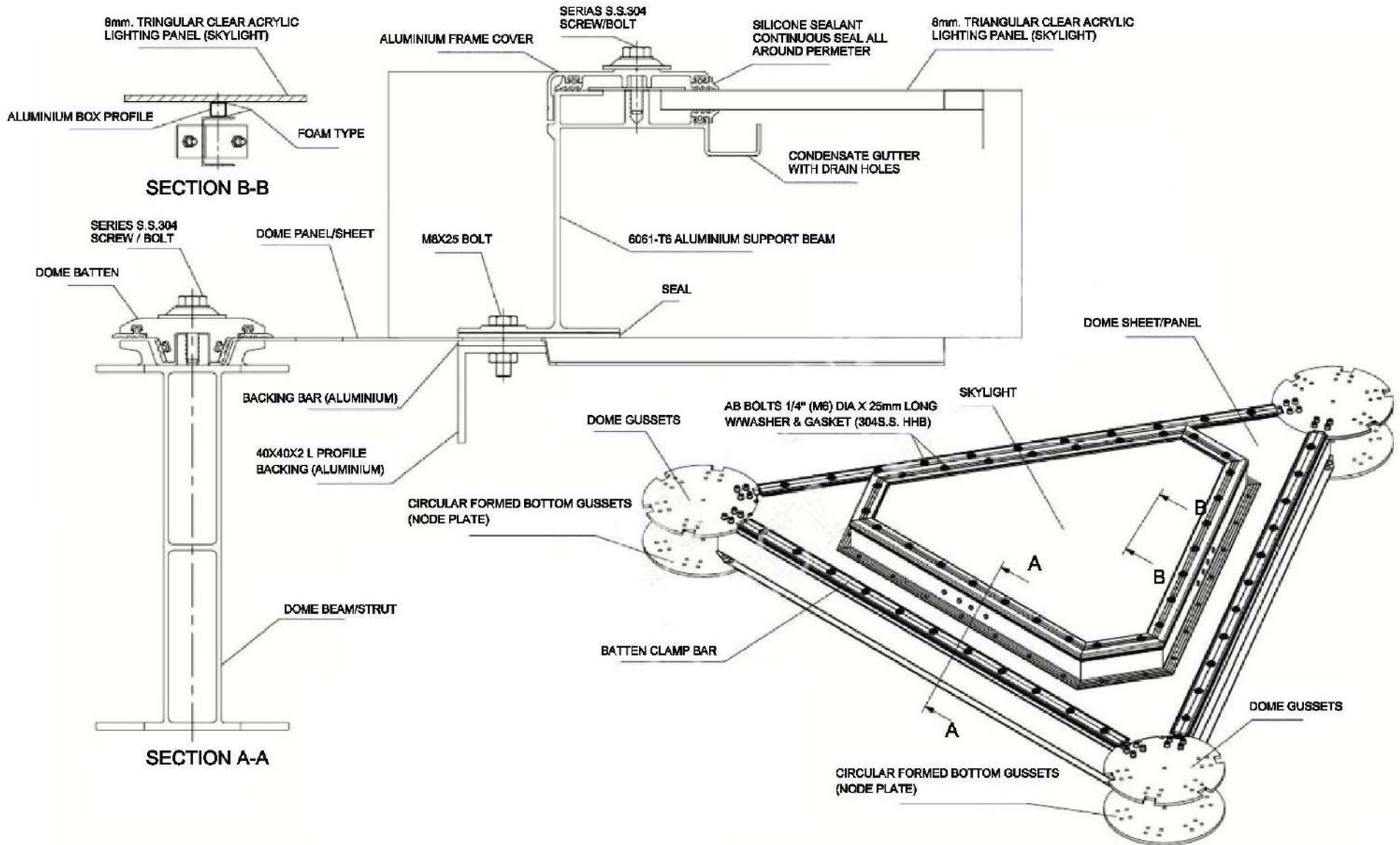
DETAIL - D

DETAIL - B



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A. Menderes Mahallesi Mobilyacılar
Sokak No/281A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 302

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			35/43

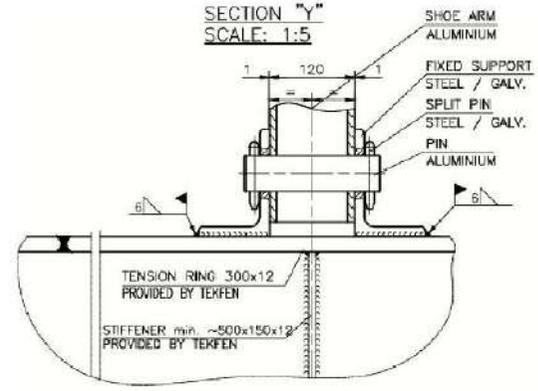
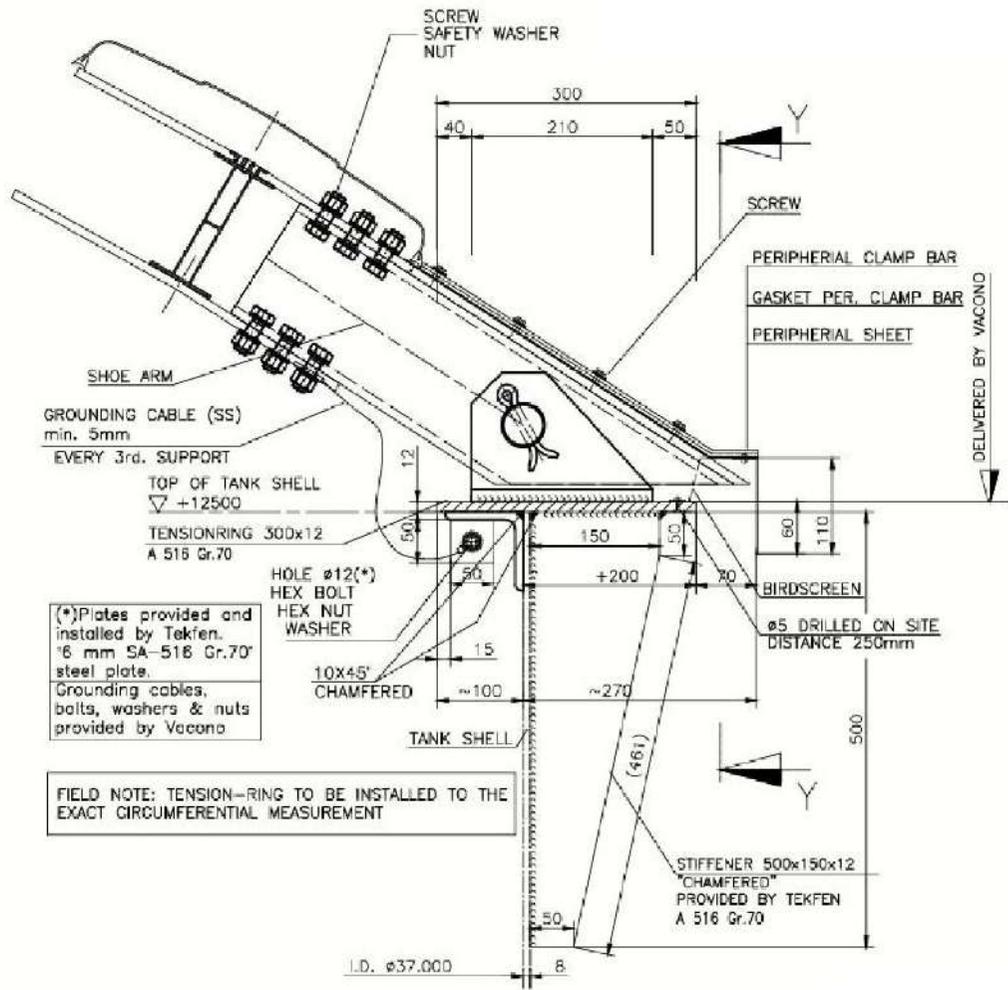


SKYLIGHT SPECIFICATION

1. SKYLIGHT PANEL 8mm Thk. CLEAR ACRYLIC
2. FRAME & SUPPORT - MILL FINISH ALUMINIUM
3. SKYLIGHT AREA - APPROXIMATEL 2m² EACH
4. TOTAL SKYLIGHT AREA - MIN 1m²/100m² PROJECT AREA

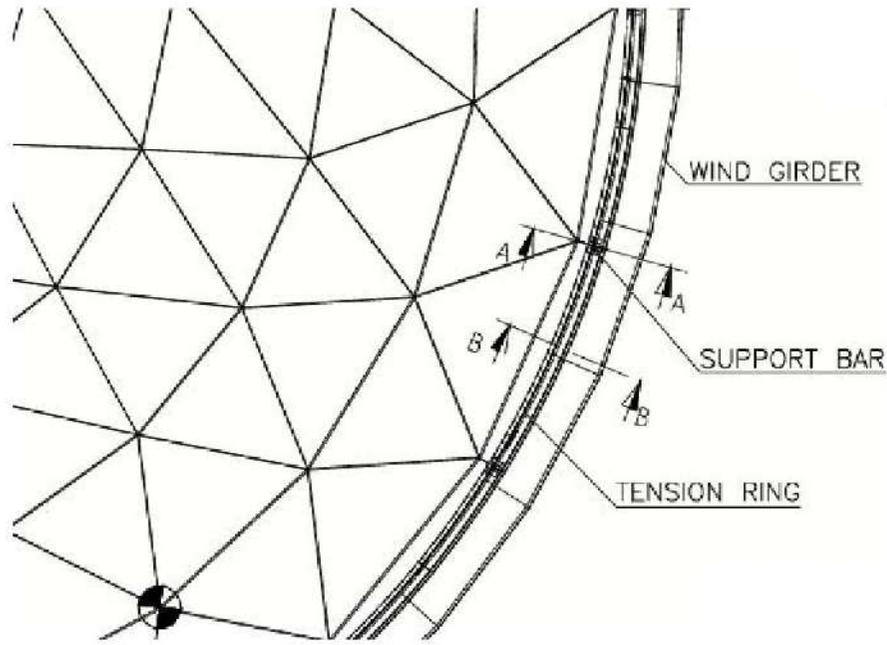
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 SAN. TİC. İTH. VE İHR. LTD. ŞTİ.
 A. Menderes Mahallesi Mobilyacılar
 Sokak No/28A Merkez/OSMANIYE
 Osmanköy V.D.: 4730 981 302

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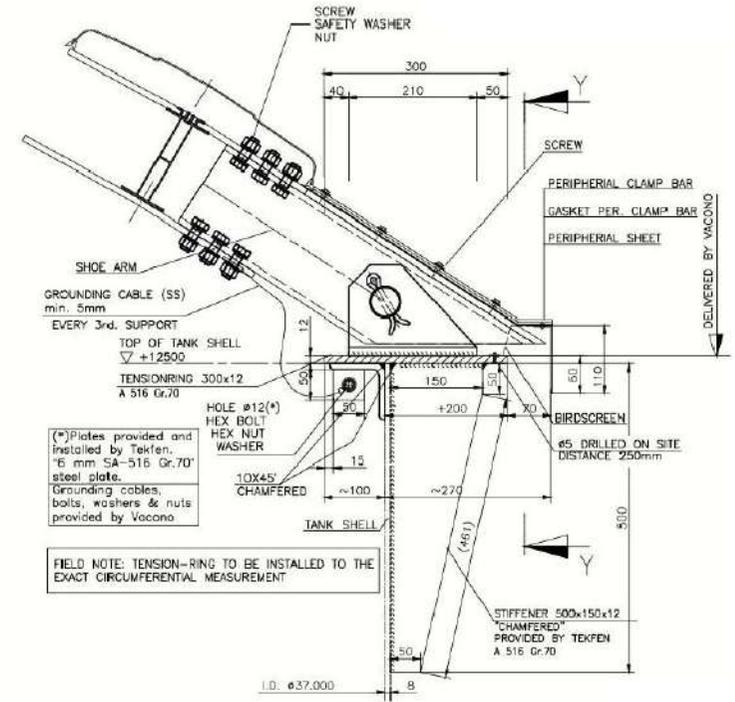


İLTAY MAKİNE TALAŞLI İMALAT
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 Sokak No/28A Merkez/OSMANIYE
 Osmangazi Y.D.: 4730 981 302

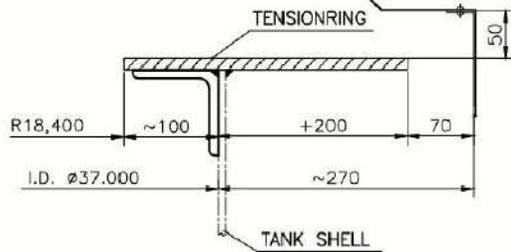
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			PAGE
			37/43



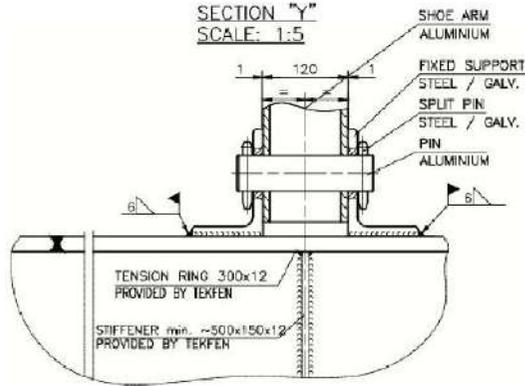
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SCALE: 1:5



SECTION B-B
SCALE: 1:5



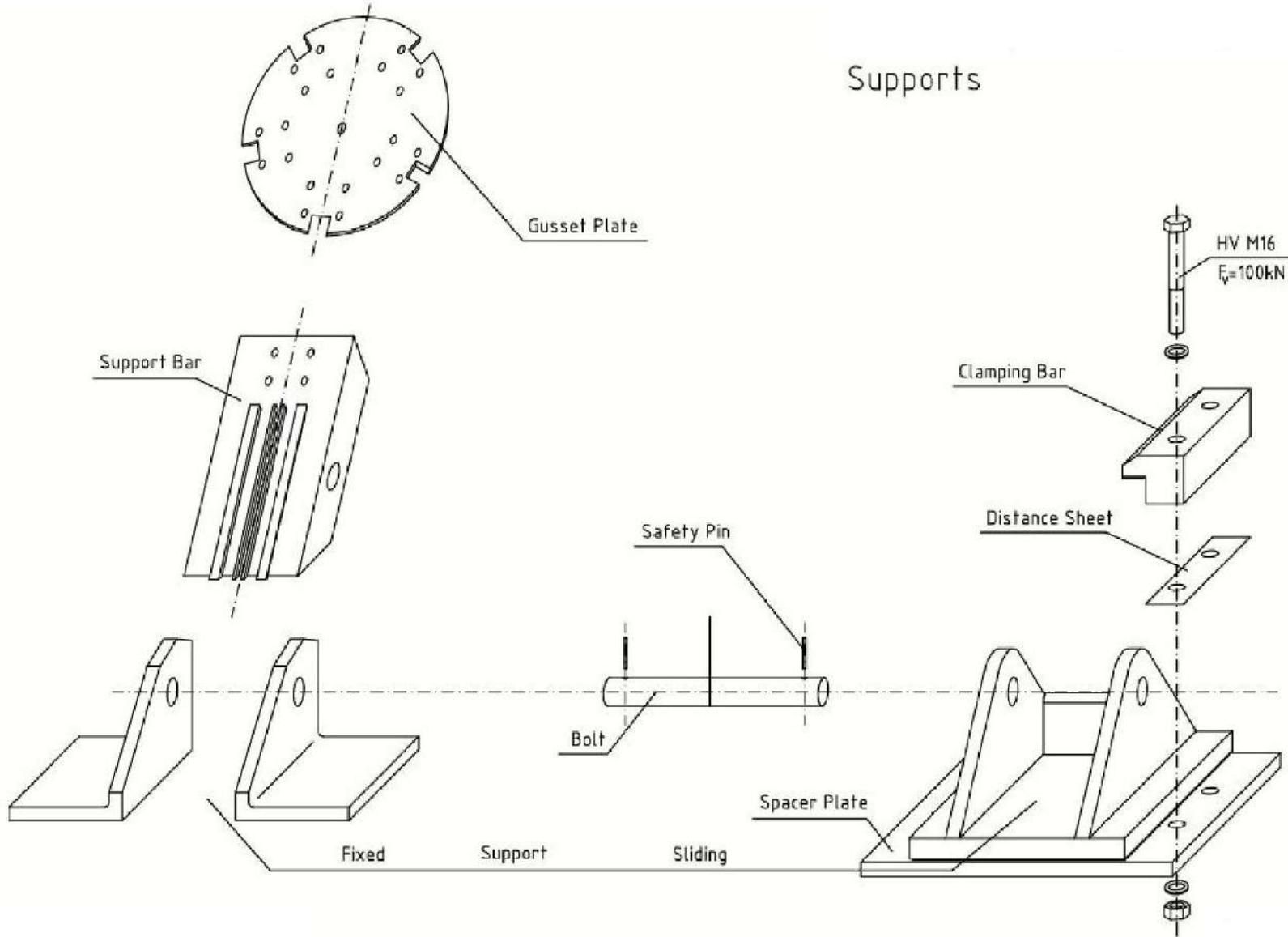
SECTION "Y"
SCALE: 1:5



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Sokak No: 28/A Merkez/OSMANIYE
Osmaniye V.D.: 4730 581 382

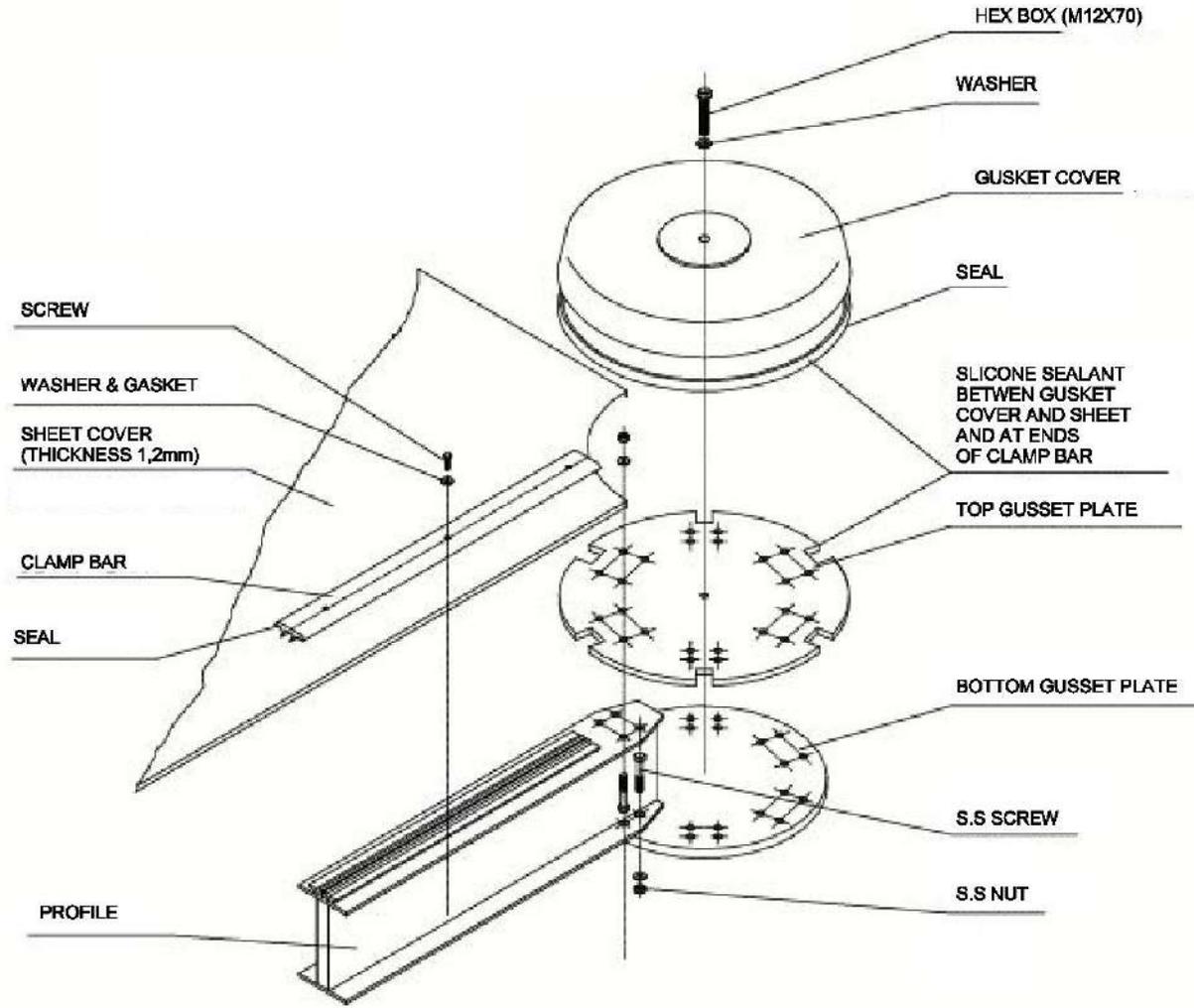
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CHECKED BY XXX	DATE xxx	SIZE A2	DRAWING NUMBER İM.100.01.STD.38	REV 0
DESIGNED BY XXX	DATE xxx	SCALE 1:1	WEIGHT (kg) XXX	PAGE 38/43

Supports



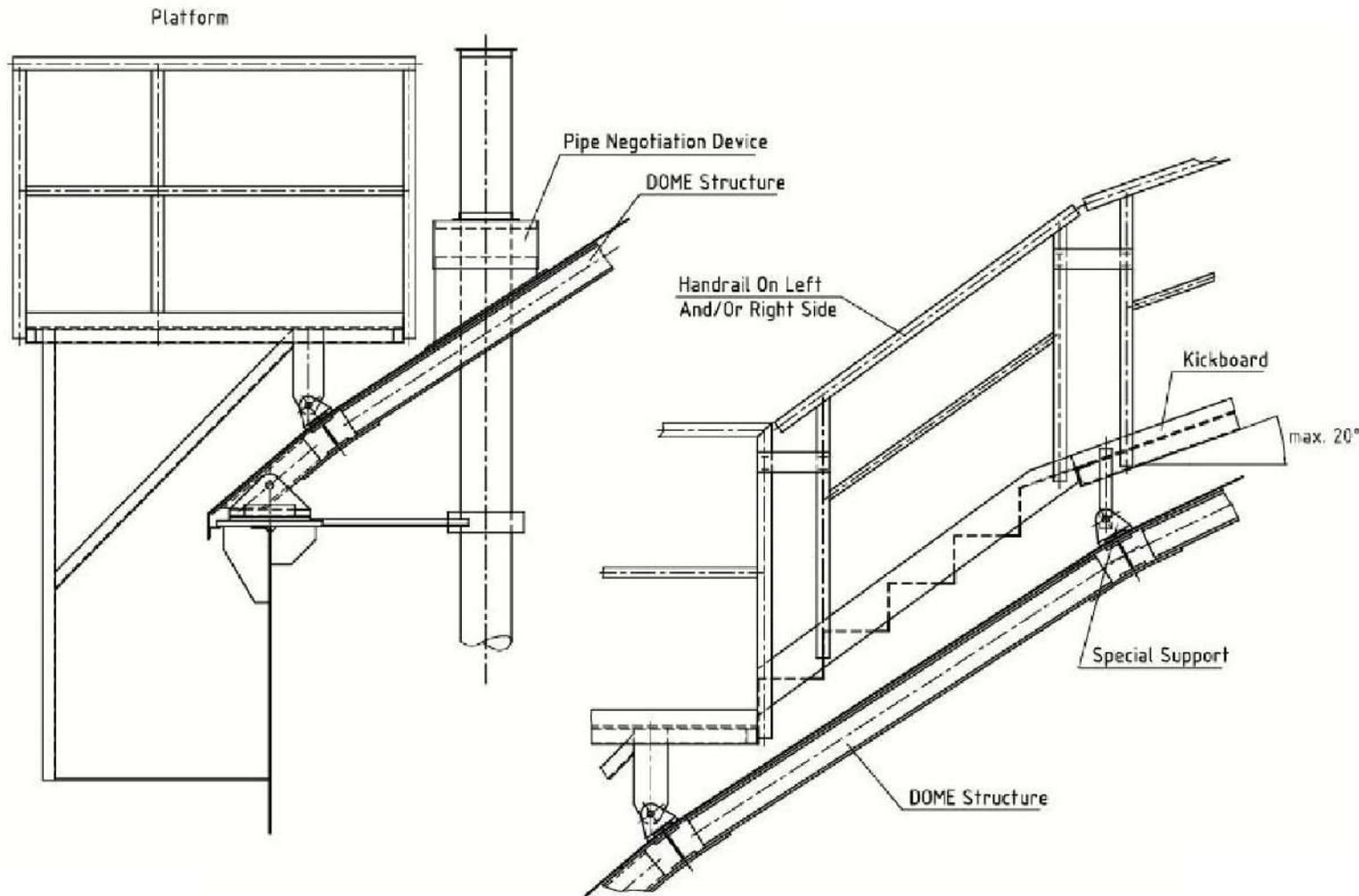
İLTAY MAKİNE TALAŞLI İMALAT
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 Osmaniye V.D.: 4730 581 302

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XXX	xxx	1:1			39/43



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 Sokak No/281A Merkez/OSMANİYE
 Osmaniye V.D.: 4730 581 302

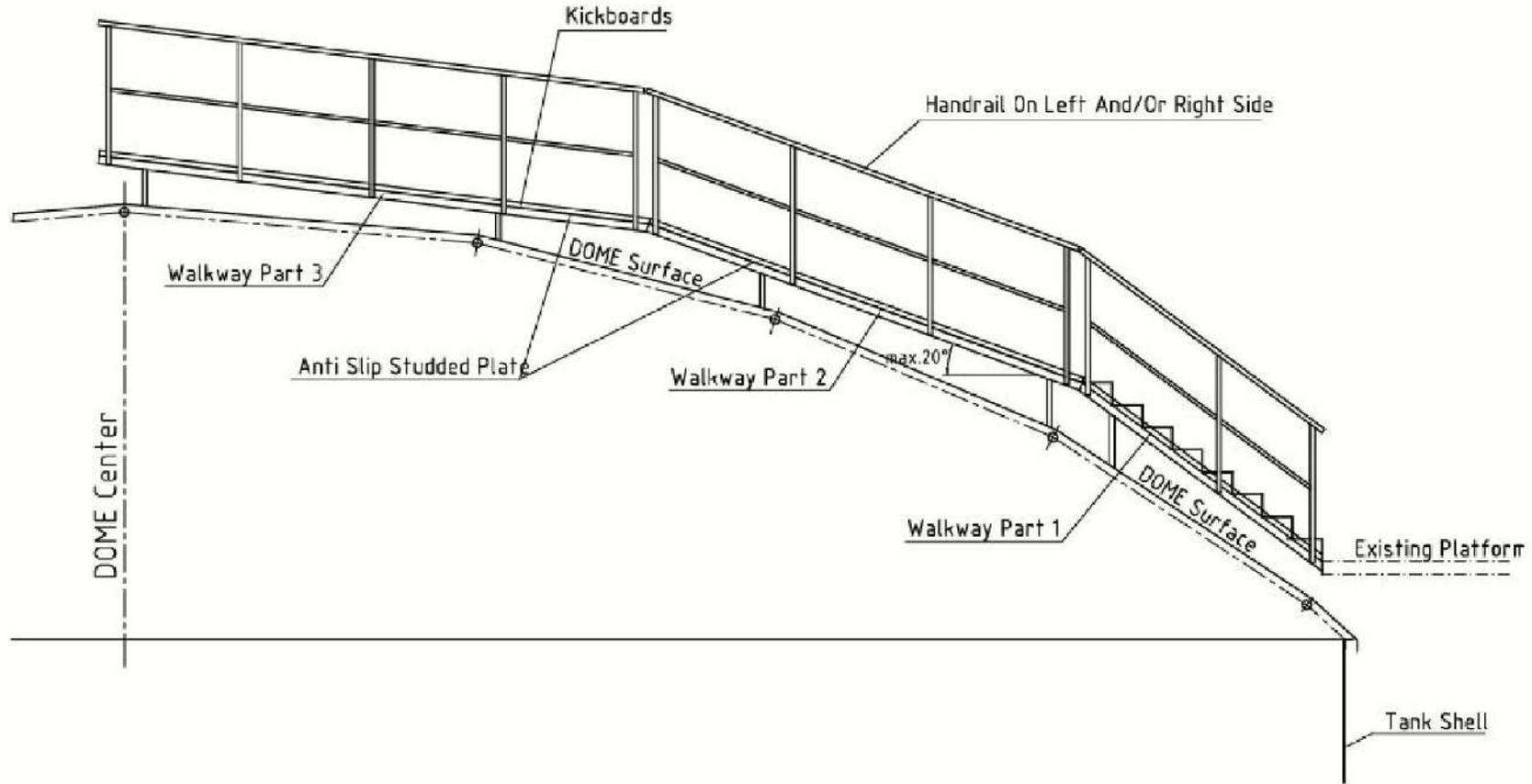
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DESIGNED BY	DATE	SCALE	WEIGHT (kg)	PAGE
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 Sokak No: 28/A Merkez/OSMANIYE
 Gaziantep V.D.: 4730 581 382

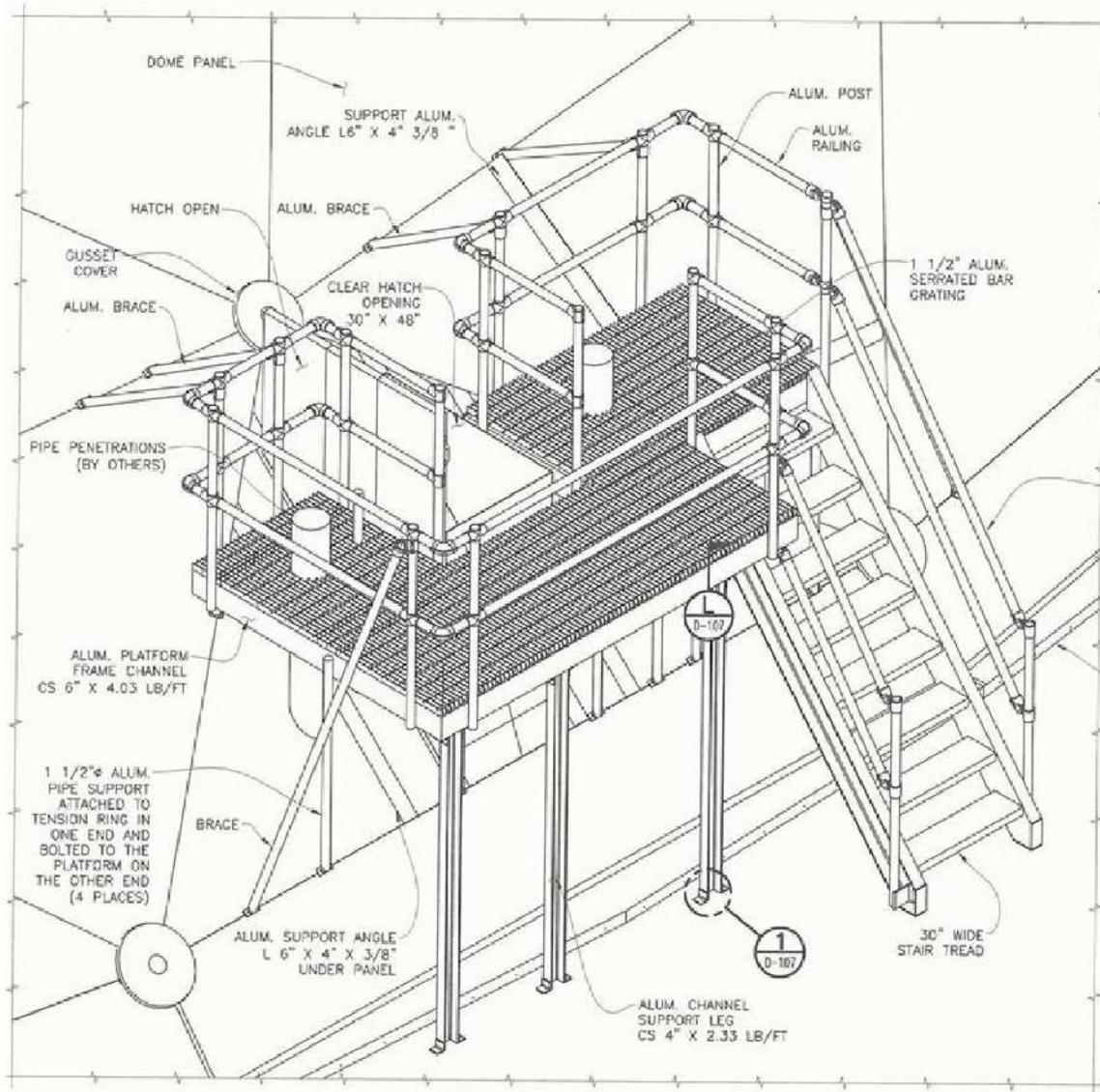
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Walkway



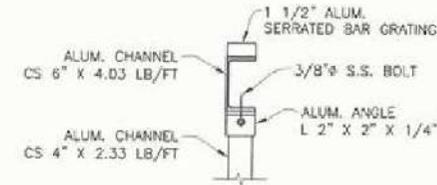
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Sokak No/288A Merkez/OSMANIYE
Osmaniye Y.D.: 4730 981 302

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DESIGNED BY XXX		DATE xxx		DRAWING NUMBER İM.100.01.STD.42	
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				PAGE 42/43	



PLATFORM ISOMETRIC VIEW

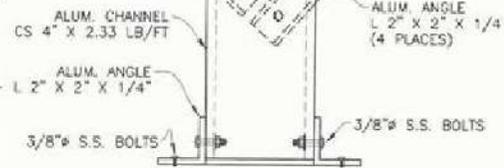
N.T.S.



SECTION L
N.T.S.

ALUM. RAILING

FLASHING



DETAIL 1
N.T.S.

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Osmaniye V.D.: 4730 381 382

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					43/43



 **ILTAY** MAKİNE

+90 541 451 93 73
Adnan Menderes Mah. Mobilyacılar Sok.
No:28/A OSMANİYE
info@iltaymakine.com.tr
www.iltaymakine.com.tr