

COMPANY PROFILE

BLIZZARD METAL INDUSTRIES LLC

*DUCTING
FACTORY*



BLIZZARD METAL INDUSTRIES

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BLIZZARD METAL INDUSTRIES

1) INTRODUCTORY LETTER



BLIZZARD METAL INDUSTRIES

Blizzard– Introduction

We take this opportunity to introduce ourselves. “Blizzard metal industries is 100% UAE national owned company providing **GI Duct, PI DUCT ,Stainless Steel fabrication &M/S Ducting** We are well experienced in all types of above mentioned works. We have at our disposal a well-trained and highly skilled workforce capable of executing any type of Insulation and HVAC Duct works.

We kindly request you to include our name in your registered Contractors & Suppliers approved list for the below mentioned services and products. If there is any registration procedure, please let us have the forms in order to comply with your requirements of registration procedures.

Dubai DIP Plant Facilities

As a manufacturer Blizzard metal industries have designed and installed a fully equipped Fabrication unit at DIP, employing the latest high-tech equipment in the manufacture and Fabrication, computerized cutting and shaping machinery ensure that every item is correctly cut to size and shape for the vastly differing demands of our clients.



BLIZZARD METAL INDUSTRIES

2)PRODUCTS



PRODUCT

1.GI DUCT

2.PRE-INSULATED DUCT(*πPAL*)

3.MS DUCT

4. STAINLESS STEEL DUCT



BLIZZARD METAL INDUSTRIES

3)CATALOGUE

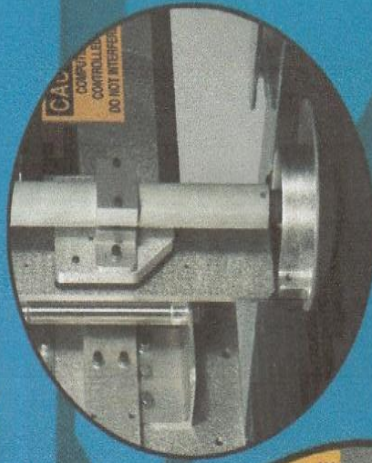


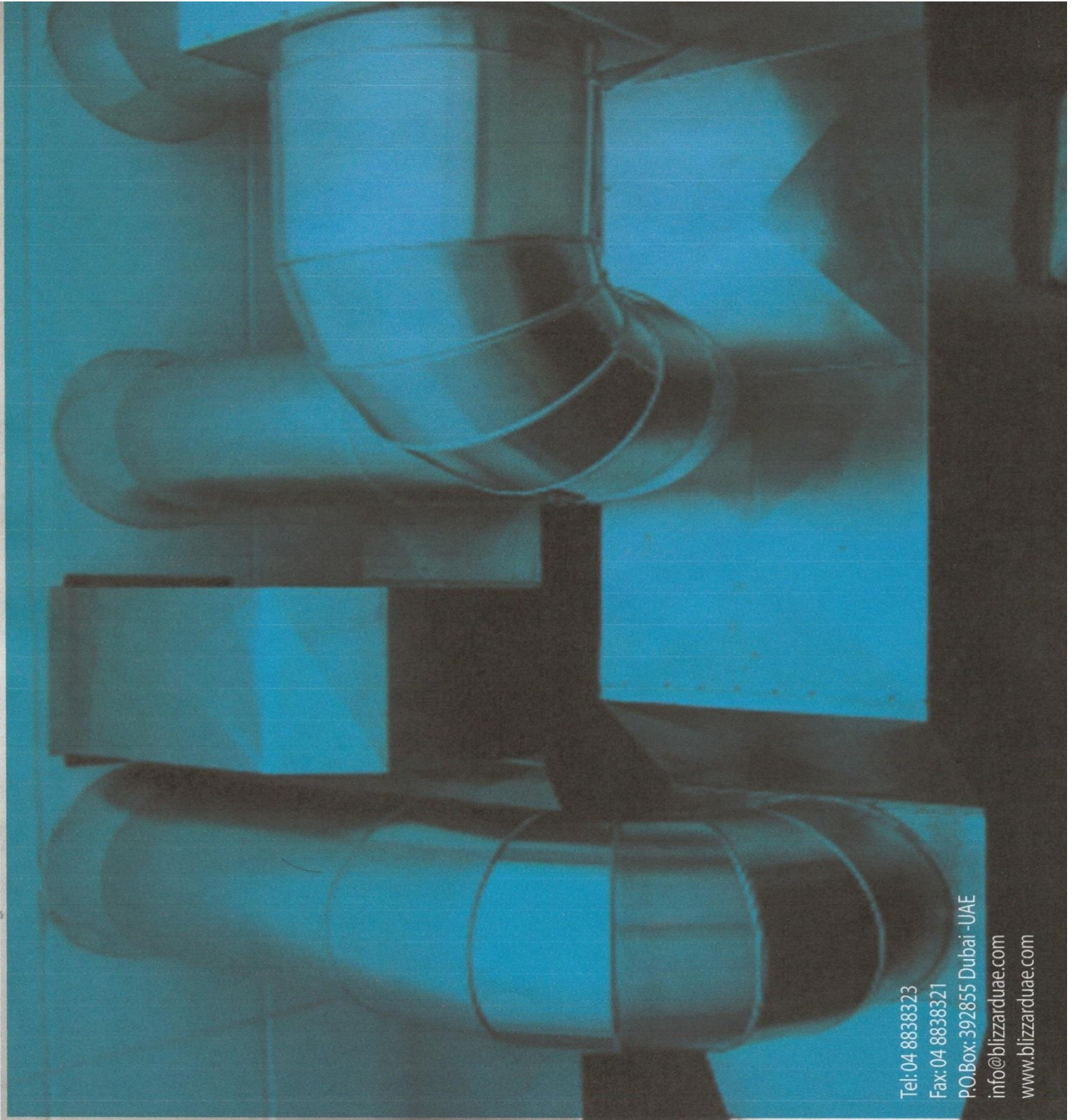
Blizzard
METAL INDUSTRIES

DUCT FACTORY

Offering several benefits to the end-user
Blizzard metal industries rectangular ducts
and fittings are factory-fabricated in a wide
range of standard shapes & sizes

BENEFITS We provide the best solution for
your ducting needs with high quality
materials. Our GI ducts and accessories have
excellent properties, We have dedicated
ourselves in the air ducting industry and have
gained the expertise to meet the qualification
of international standards such as SMACNA &
DW 144 For the reasons we upgraded our
machines to VICON Plasma & Auto coiline
machine in order to satisfy to our customers
and keep on providing fastest, highest &
reliable quality for any duct sizes and custom
made requirements.





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BLIZZARD METAL INDUSTRIES

4)MACHINERY



PLASMA MACHINE



AUTO FOLD



DUCT FORMER



LOCK FORMER WITH S & C CLEATS OPTION



ZIPPER MACHINE



CNC MACHINE FOR PRE INSULATED



BLIZZARD METAL INDUSTRIES

5) *GI DUCT SYSTEM*

Rectangular Duct

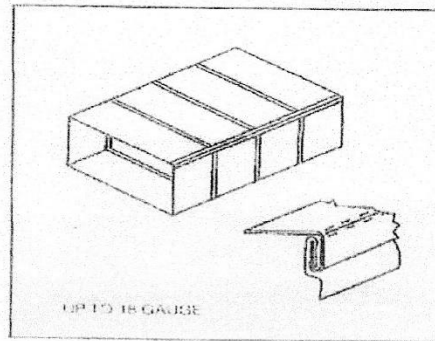
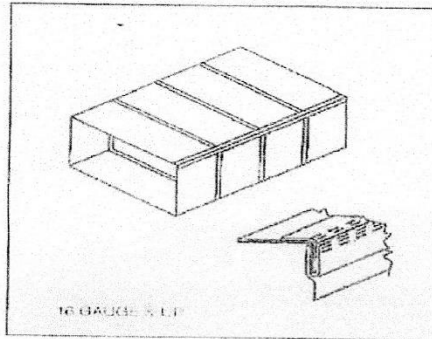
قنوات التكييف المستطيلة

Pittsburgh Lock

بيتسبيرغ قفل

Double Corner Seam

مزدوج زاوية درز

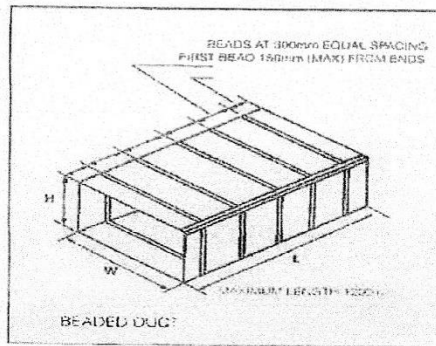
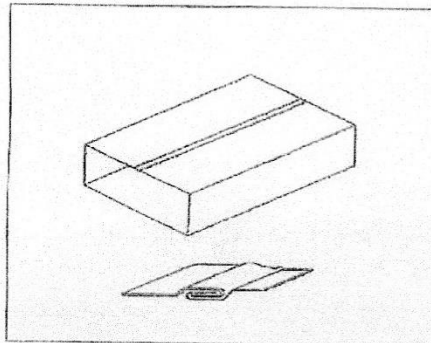


Pittsburgh Lock

بيتسبيرغ قفل

Double Corner Seam

مزدوج زاوية درز



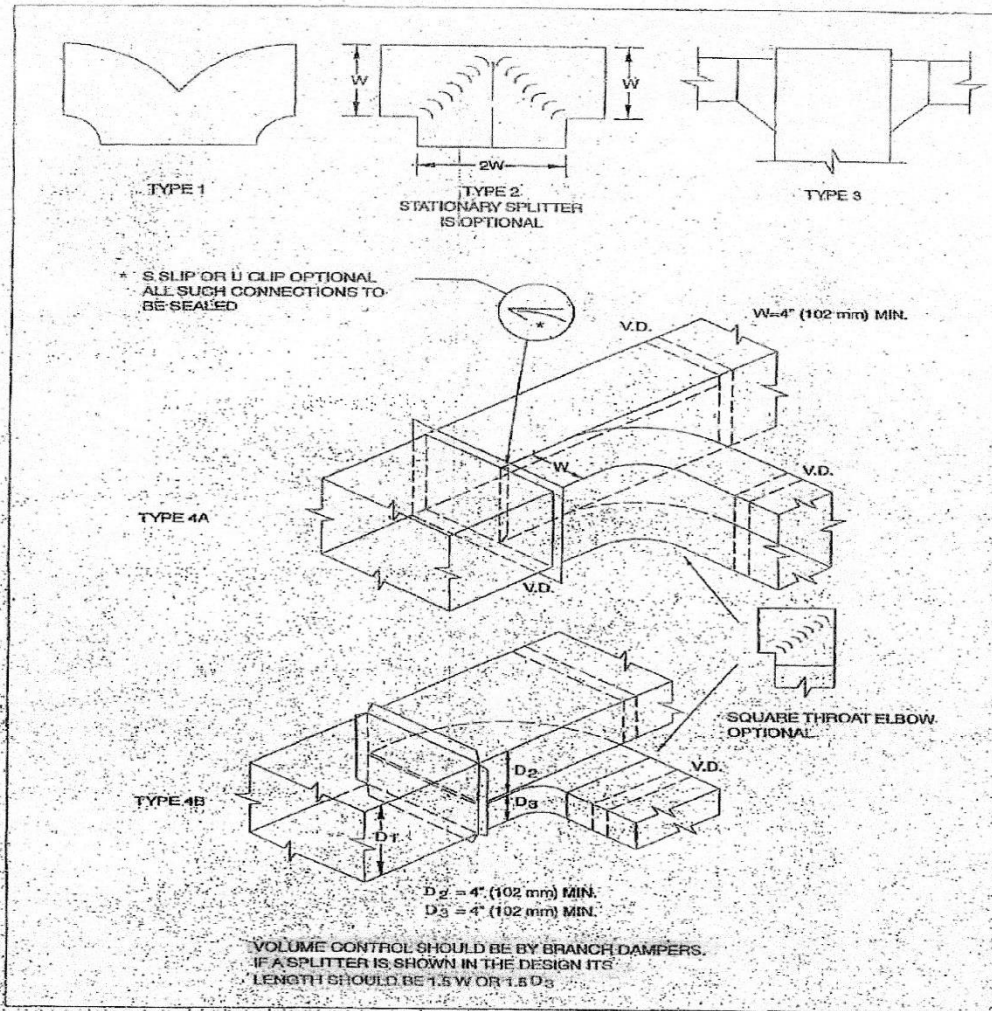


FIGURE 4-5 DIVIDED FLOW BRANCHES



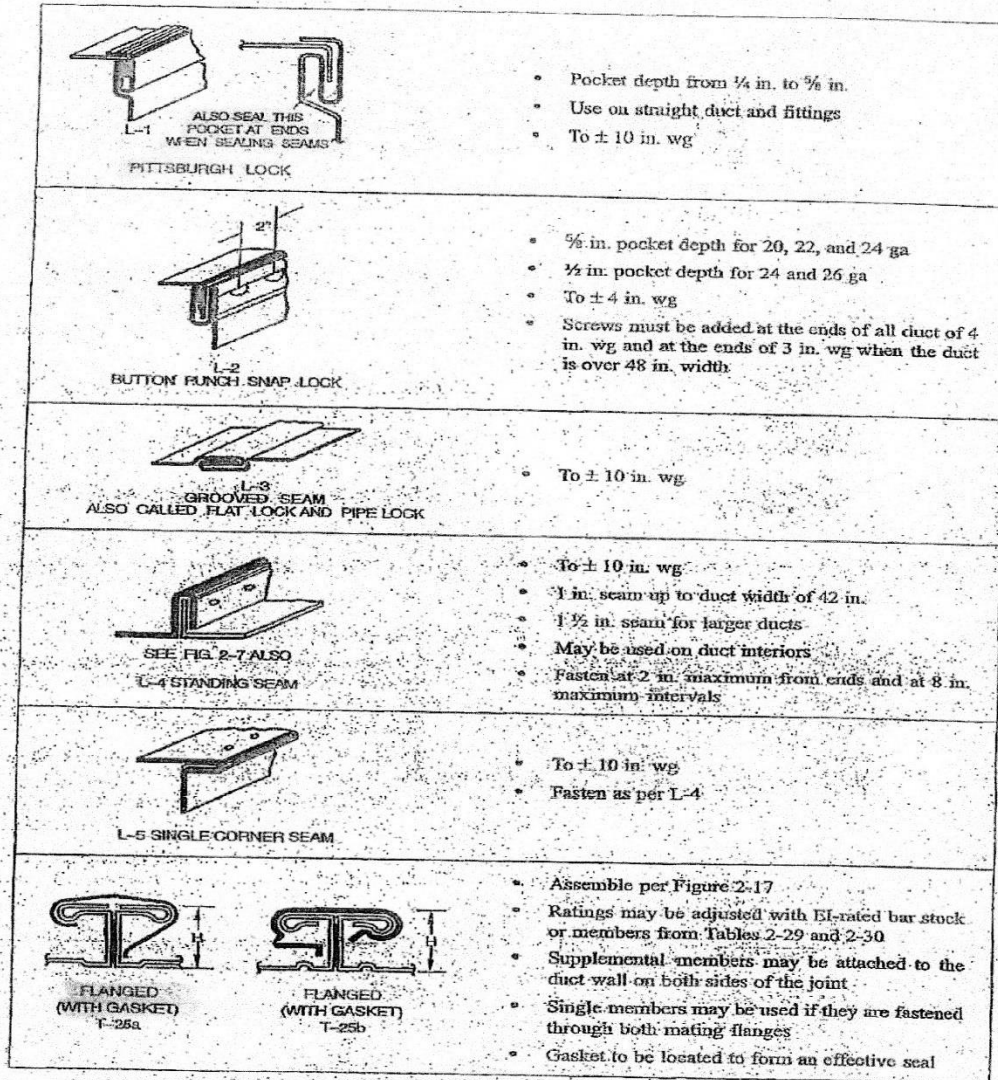


FIGURE 2-2 RECTANGULAR DUCT/LONGITUDINAL SEAMS

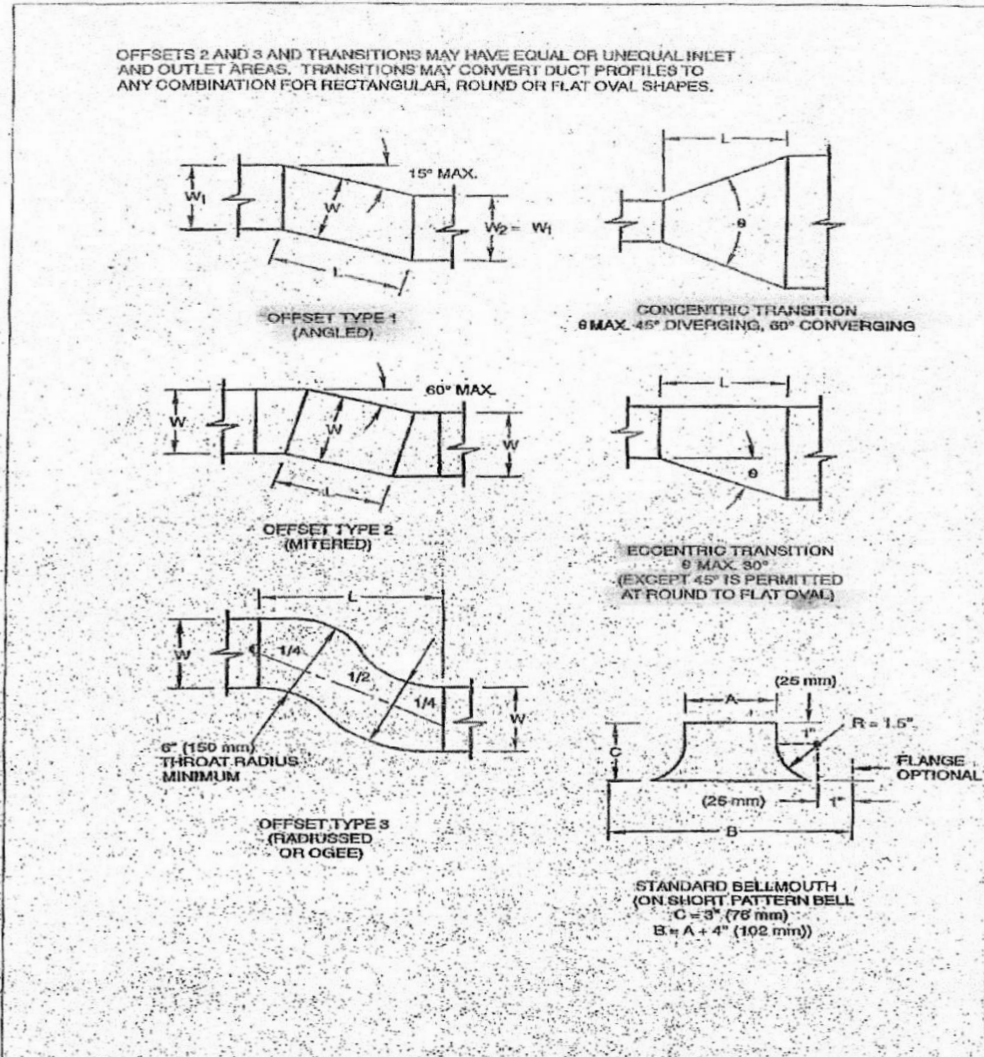


FIGURE 4-7 OFFSETS AND TRANSITIONS



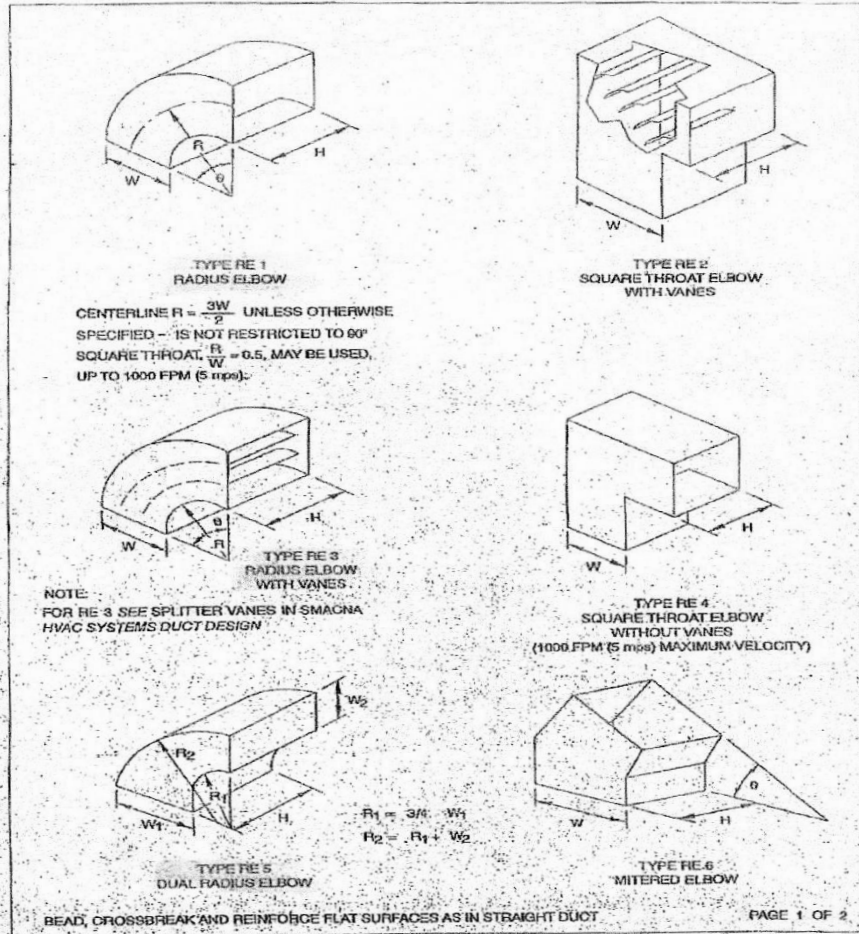


FIGURE 4-2. RECTANGULAR ELBOWS



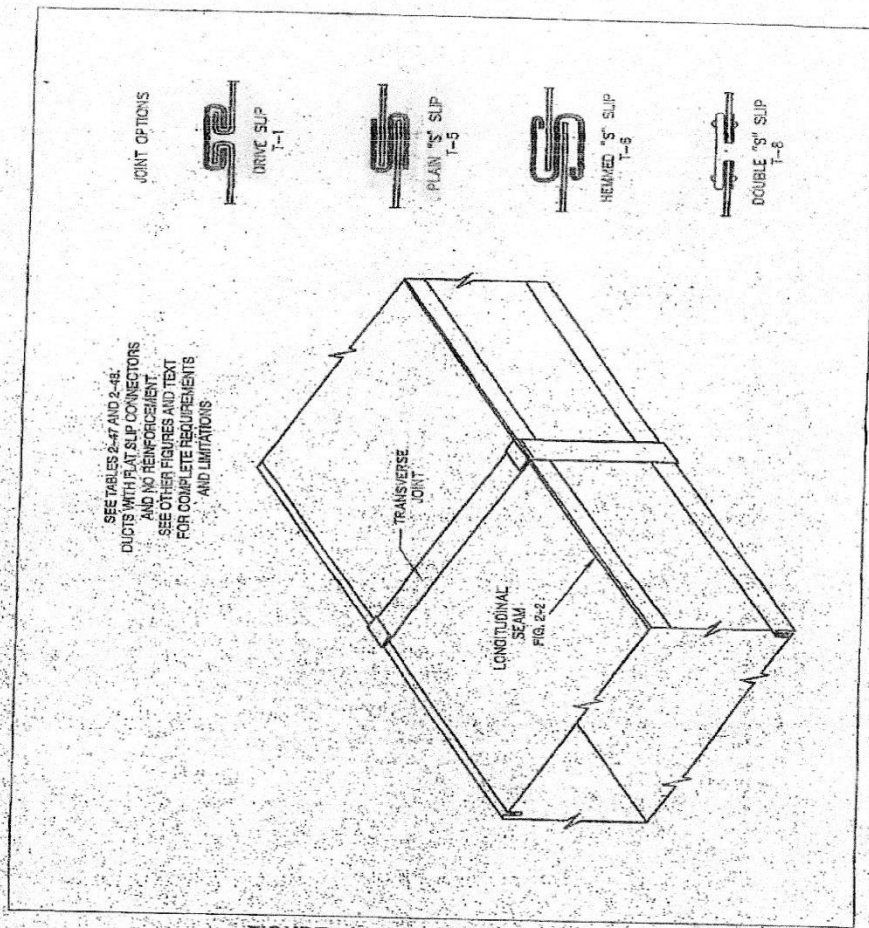


FIGURE 2-8 UNREINFORCED DUCT



DUCT CONSTRUCTION TABLE

CONSTRUCTIONAL REQUIREMENT- RECTANGULAR DUCT

SMACNA STANDARD for MEDIUM PRESSURE – 750 Pa +ve /-ve

Dimension in MM Ducts are Stiffened by means of beading at 300mm.pitch

Max. Duct Size (Longer Side) mm	Sheet thickness Mm	Longitudinal Joints	Transverse Joint	Reinforcement bracing
0 -450	0.56	Grooved/ Pittsburgh Seam	20mm Slide on flange with corner & cleats	NIL
451-750	0.70	Grooved/ Pittsburgh Seam	20mm Slide on flange with corner & cleats	20mm reinforcement @600mm centers
751-1000	0.90	Grooved/ Pittsburgh Seam	30mm Slide on flange with corner & cleats	30mm reinforcement @600mm centers
1001-1200	1.00	Grooved/ Pittsburgh Seam	40mm Slide on flange with corner & cleats	40mm reinforcement @600mm centers
1201-1500	1.20	Grooved/ Pittsburgh Seam	40mm Slide on flange with corner & cleats	40x40x3mm MS angle @600mm centers
1501-2400	1.20	Grooved/ Pittsburgh Seam	40mm Slide on flange with corner & cleats	50x50x4mm MS angle @600mm centers& 10mm Tie rods at both ends
2401-3000	1.20	Grooved/ Pittsburgh Seam	50x50x4mm MS angle	60x60x4mm MS angle @600mm centers & 10mm Tie rods at both ends

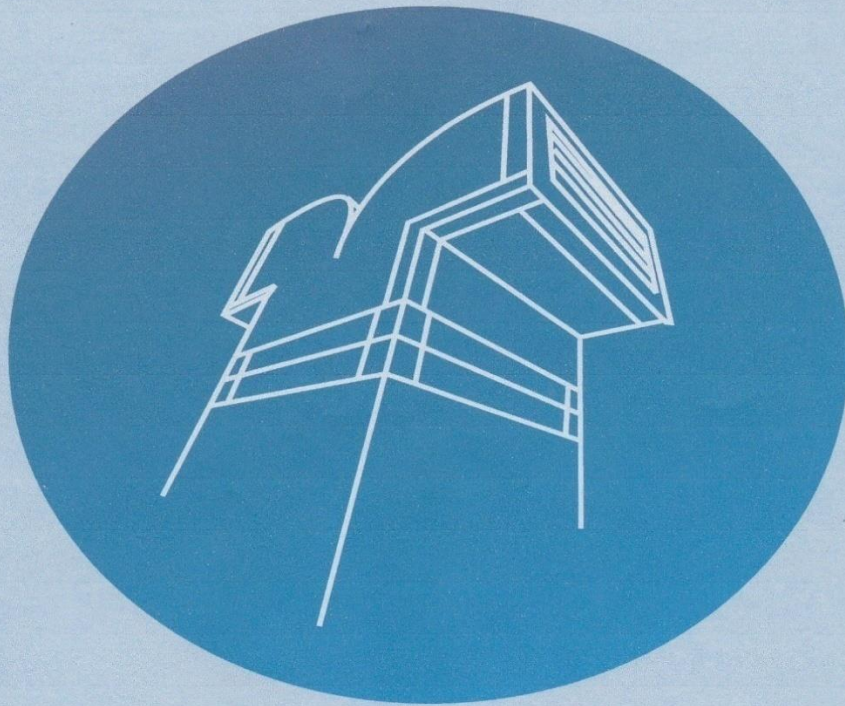
Reference:

SMACNA HVAC Duct Construction standards. Edition 2002



BLIZZARD METAL INDUSTRIES

6) *PRE INSULATED DUCT SYSTEM*

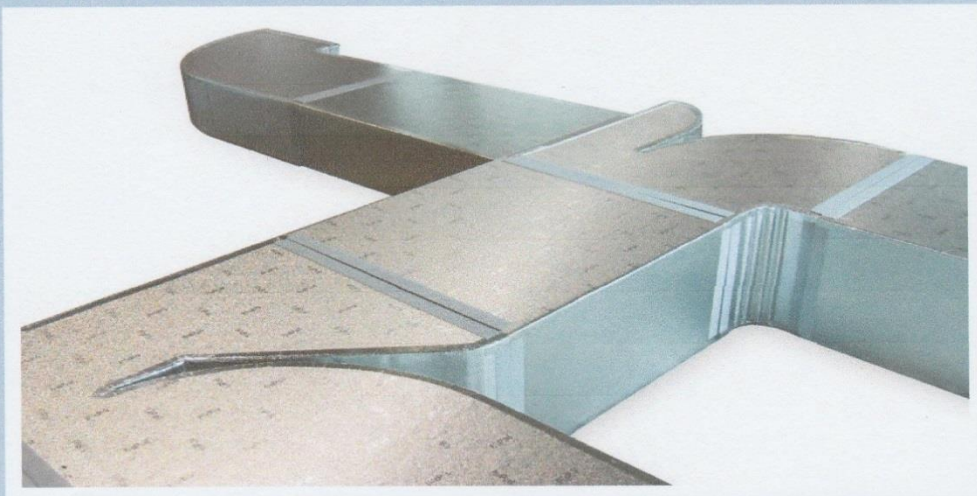


CONSTRUCTION GUIDELINES

INTRODUCTION

PAL Pre-insulated Ducting System is an innovative technology for manufacturing of revolutionary foam based pre-insulated ductwork for Heating Ventilation and Air Conditioning systems as alternative to sheet metal ductwork.

PAL Pre-insulated Ducting System provides a wide range of accessories and consumption materials which allow the assembly of any shape and dimensions of ducts, using few and simple tools. All production phases are carried out at quality conditions, from the choices of raw materials, to the production process and final product evaluation. To guarantee the perfect product use, training courses are conducted to ensure proper procedures are done accordingly to provide high quality final product to meet every needs in HVAC installations.



METHOD STATEMENT

FABRICATION OF DUCTWORK

All personnel responsible for the fabrication and construction of ductwork systems shall, prior to being engaged in the work, have successfully completed the specialized PAL Pre-insulated Ducting System training course and shall be familiar with all aspects of the fabrication techniques necessary for the manufacture of the complete system. All trainees who successfully complete the training course are awarded a PAL certificate of competency. PAL Pre-insulated Ducting System offers a complete product line providing all tools, accessories and components necessary to fabricate ductwork. Each item has been rigorously tested in the field to the highest of standards in a variety of applications. Under no circumstance are any substitute components to be used in place of approved PAL products.

PROCEDURES

The construction of a duct is accomplished by following a standardized procedure. The process is the same regardless of the shape of the duct element:

- Tracing
- Cutting
- Gluing
- Folding
- Taping
- Sealing
- Flanging and reinforcement

Although each of the above operations is described in general below, this specification is by no means intended to serve as an instruction manual to replace the training course. Note that when properly constructed, the finished duct segment will have no exposed foam – neither internally nor externally.

1. Tracing

The tracing of the duct outline onto the panel is the first step of the process. This is accomplished by utilizing the teflon "pencils" supplied in each tool box which scribe a line as opposed to marking an ink line. Note that all measurements specified on drawings of duct systems refer to a duct's internal dimension. This corresponds to the cross-sectional area of the air passage necessary to satisfy design requirements.

π Pal



It is therefore recommended that the fabricator adopt the convention of internal measurements during plotting. Accordingly, all tracing and plotting will take place on the internal side of the duct.

2. Cutting

The operation involves cutting 45° miter cuts along each edge of the duct. The V-grooves made by the 45° Double Blade Jack Planes enable the panel to be folded into shape. The V-grooves is also ideal for the subsequent gluing operation as it provides maximum surface area. The material that is discarded as a result of this operation must have been accounted for during the previous tracing. There are also several other special purpose Jack Plane available including the 22.5° and the Adjustable.



3. Gluing

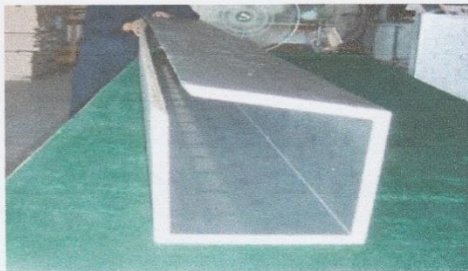
The glue is a contact adhesive in containers that must be well shaken prior to use in order to assure uniform consistency. The glue can either be applied with a pneumatic glue spreader, or sprayed on with a pneumatic glue gun. Glue is applied evenly to mitered surfaces covering all exposed phenolic material. Note that the V-grooves should first be swept clean of any remaining phenolic dust. Depending on the temperature and relative humidity, the adhesive requires approximately 10 to 20 minutes to cure during which time the solvents evaporate.



This operation should be performed in a well ventilated area and the precautions recommended on the COSH (Certificate of Safety and Handling) sheet should be observed. The curing period is complete when the glue is dry to the touch.

4. Folding

Following the curing phase, the sides are folded at right angles to each other (90°) and the duct shape is formed. Note that when two open sides of a duct are joined together, the aluminum foil edge of the miter cut on the internal surface should be used for aligning purposes. When a duct is comprised of several individual pieces, the joining process should always be initiated from the same end so that the subsequent trimming operation of any excess length is only required at the opposite end. The black hard spatulas should then be used to firmly crease along the edges of the duct to ensure maximum adhesion in the V-grooves.



3

5. Taping

Aluminum self adhesive tape is provided. The tape has been double cured for increased pliability, and contains two and one-half times as much glue as standard tapes; also, it is a special glue with high technical characteristics to ensure maximum adhesion. The taping of the duct serves four purposes:

1. It re-establishes the vapor barrier within the mitered cuts.
2. External seams are taped to improve the duct's aesthetic appearance.
3. Tape is used to repair and cover any damage to the panel, both externally and internally, and
4. It seals and isolates the phenolic material from the surroundings.



Prior to applying the tape, ensure that all surfaces are dry and free of dirt, oil, silicon, and grease. If the surface cannot be thoroughly cleaned, then a simple solution is to apply a light coat of glue on the surface where the tape is to be placed (note that the glue must be allowed to cure first, as discussed within Section 3 above). The tape should ideally be applied in temperatures above 10°C (50°F) in order to assure a good bond. The tape should not be applied to the duct's surface when the temperature is below 0°C (32°F) due to the potential entrapment of ice crystals.

Tape is only applied to seams where the external surface of the aluminum foil has been cut. On sides where the panel has been simply folded, as opposed to joined, no tape is required. The tape-marker is used to scribe a line on the panel which serves as reference during application of the tape. The soft spatula is brushed firmly along the surface of the tape during application to ensure maximum adhesion and to expel any air bubbles trapped underneath. When taping reducers or elbows, the tape must always be applied to the curved or creased side (not the straight side), and the supplemental directions within the respective sections should be observed.

6. Sealing

Following assembly of the duct segment, all internal joints must be sealed with silicon. In addition to imparting greater strength and rigidity, the primary function of the silicon is to hermetically seal the internal surface of the duct and prevent any phenolic particles from entering the air stream. It is recommended that after the silicon bead has been applied, a radiused tool (or alternatively a wet finger) is gently run along the entire length of the bead to duct wall. Proper application is imperative in order to ensure "clean air" and minimal leakage.



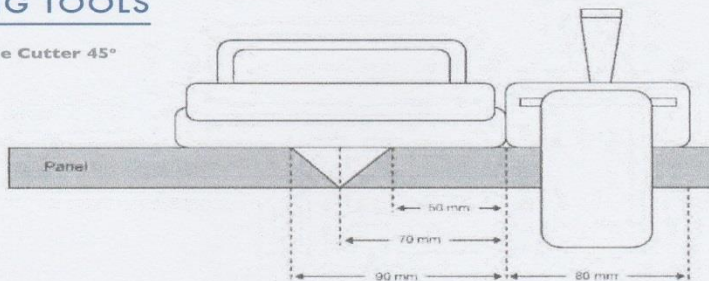
7. Aluminum Profile and Reinforcement

There are a variety of aluminum profiles available to suit various installation requirements. Depending on both the system pressure and the duct's dimensions, the installation of a reinforcing bar may be necessary.

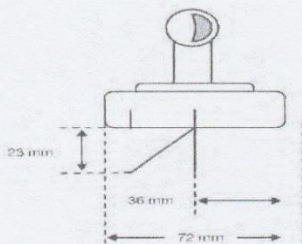


CUTTING TOOLS

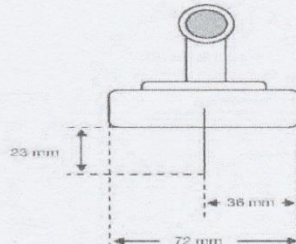
Double Blade Cutter 45°



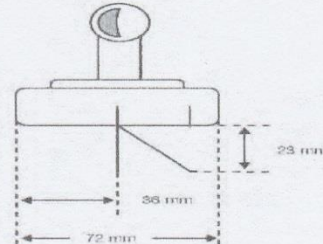
Single Blade Cutter – 45° Left



Single Blade Cutter – 90°

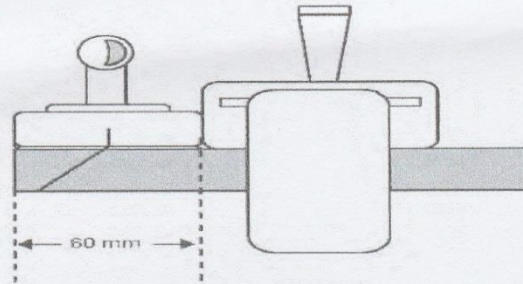


Single Blade Cutter – 45° Right

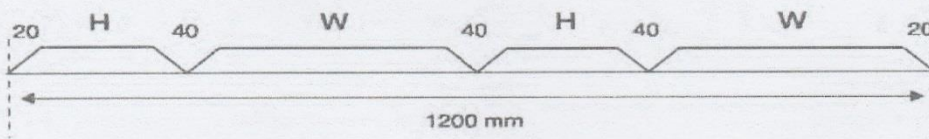


CUTTING TOOLS

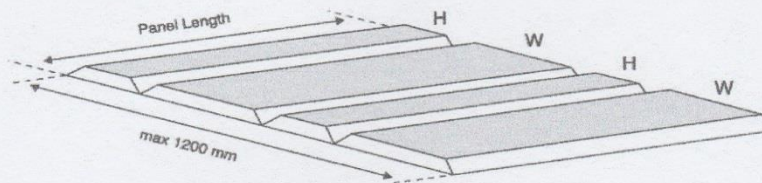
Single Blade Cutter



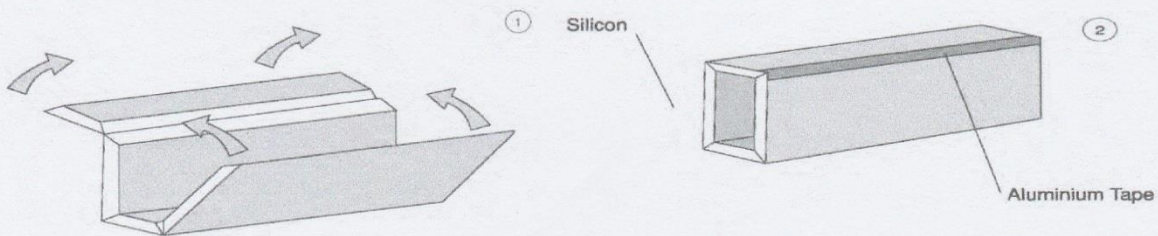
STRAIGHT DUCT METHOD: Method 1



- Cutting along the panel length
- The sum of 4 sides less than 1040mm ($2H + 2W$)

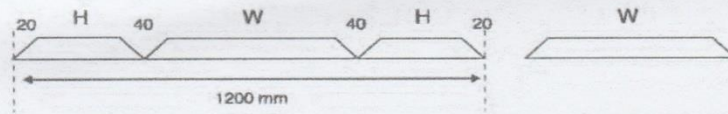


Sequence of Assembly

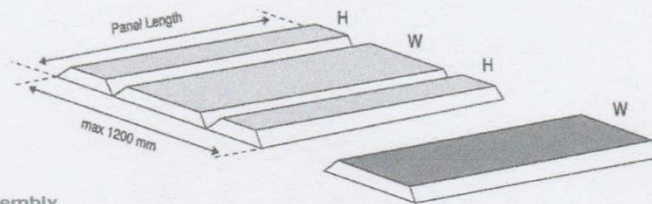


5

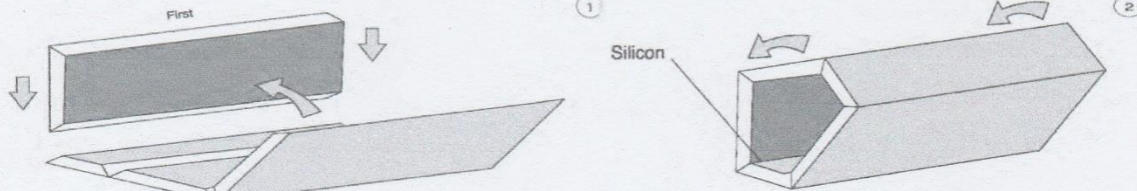
STRAIGHT DUCT METHOD: Method 2A



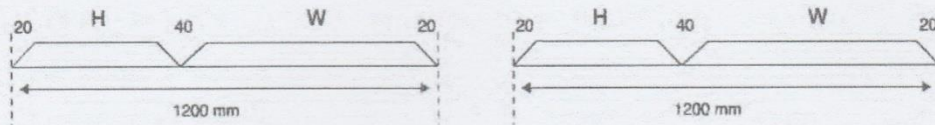
- Cutting along the panel length
- The sum of 3 sides less than 1080mm ($2H + W$ or $2W + H$)



Sequence of Assembly

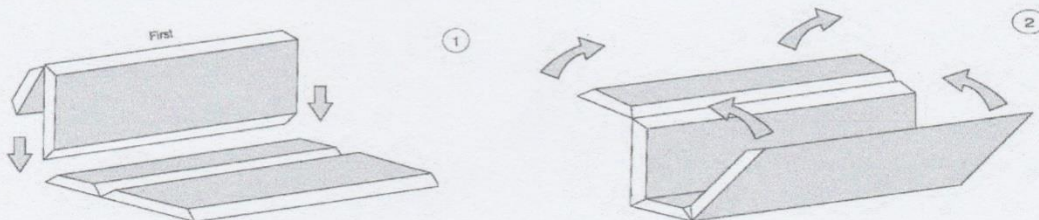


STRAIGHT DUCT METHOD: Method 2B

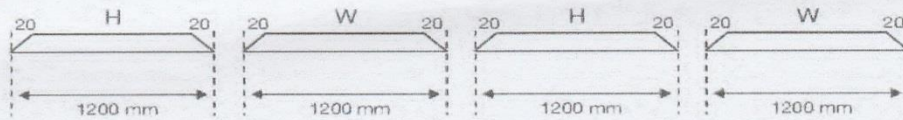


- Cutting along the panel length
- The sum of 2 sides less than 1120mm ($W + H$)

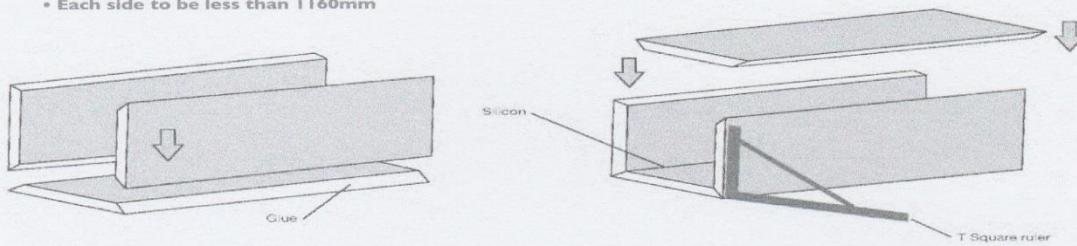
Sequence of Assembly



STRAIGHT DUCT METHOD: Method 2C



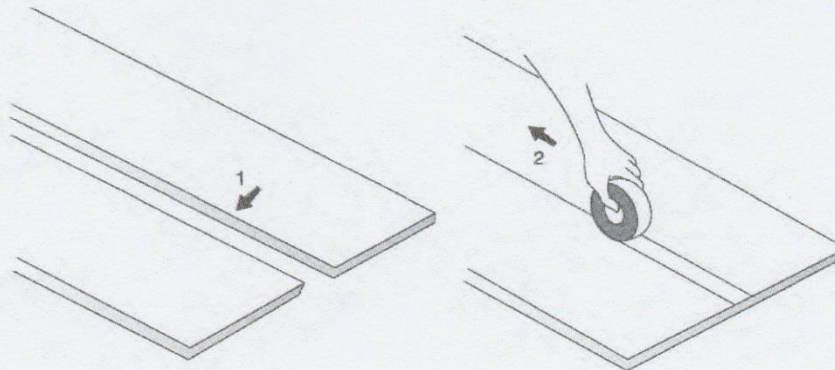
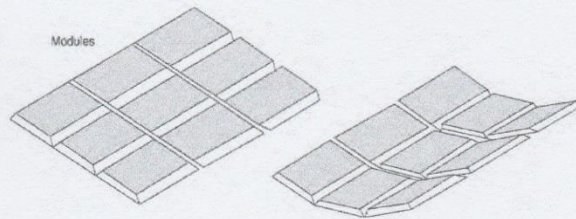
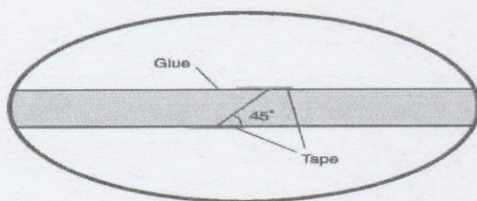
- Cutting along the panel length
- Each side to be less than 1160mm



NOTE

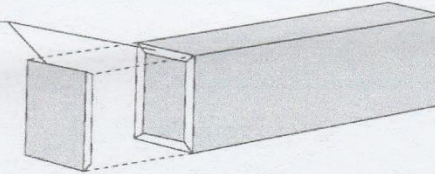
- Extra Silicon (bigger tip cut)
- When assembling the four sides, the sides should be checked (with T Square Ruler) and held in position

STRAIGHT DUCT METHOD: Method 3

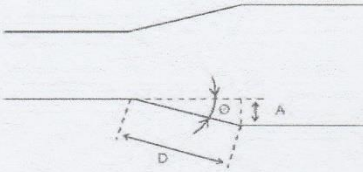


END CAPS

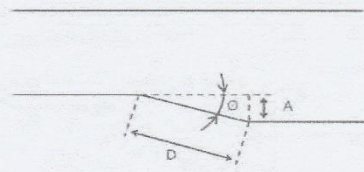
Cut 45°, Glue, Tape



TRANSITIONS



Concentric Transition
 Ø max. 20° (D = 3 x A)
 Ø suggested 15° (D = 4 x A)

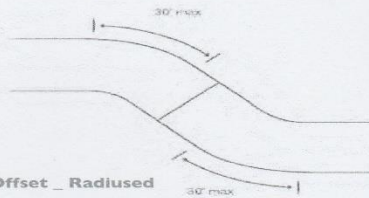


Eccentric Transition
 Ø max. 20° (D = 3 x A)
 Ø suggested 15° (D = 4 x A)

OFFSETS



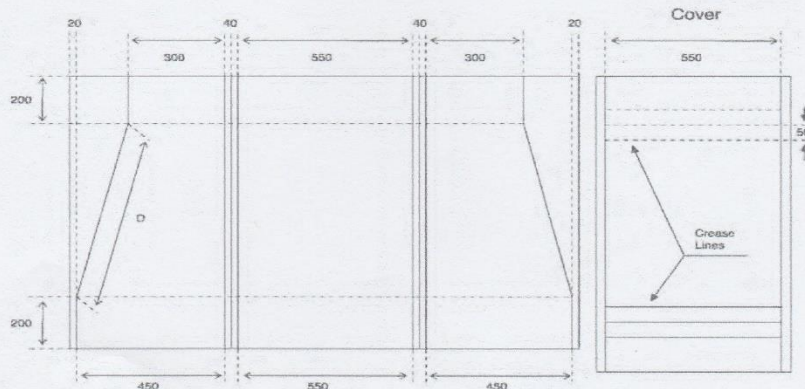
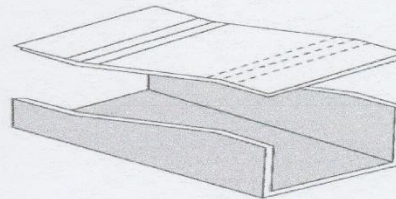
Offset - Angled
 Ø max. 30° (D = 2 x A)



Offset - Radiused

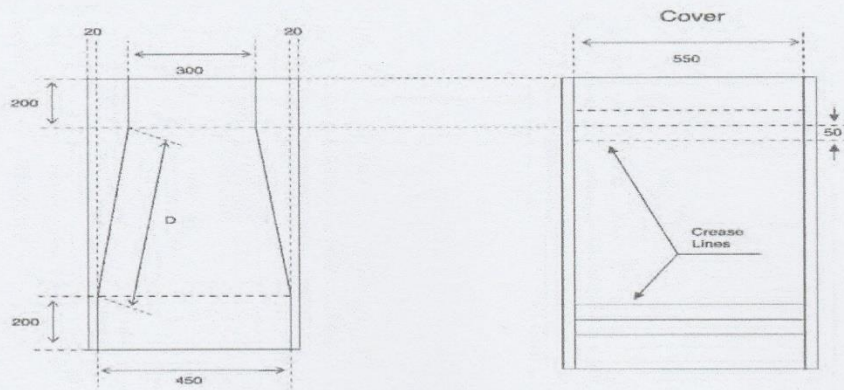
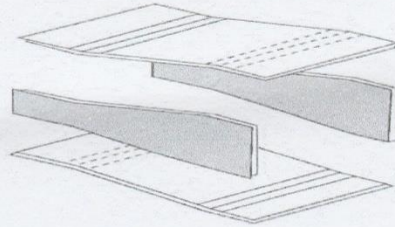
ECCENTRIC REDUCER

- Dimension in "mm"
- D suggested = 4 x (450-300)
- = 600:D minimum = (450-300) = 150

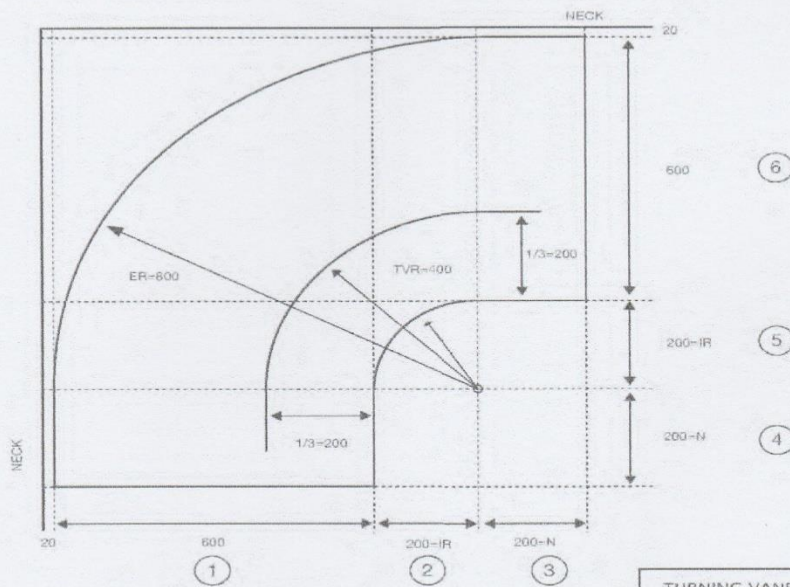


CONCENTRIC REDUCER

- Dimension in "mm"
- D suggested = $2 \times (450-300) = 300$:D minimum
- = $1.5 (450-300) = 225$



ELBOW

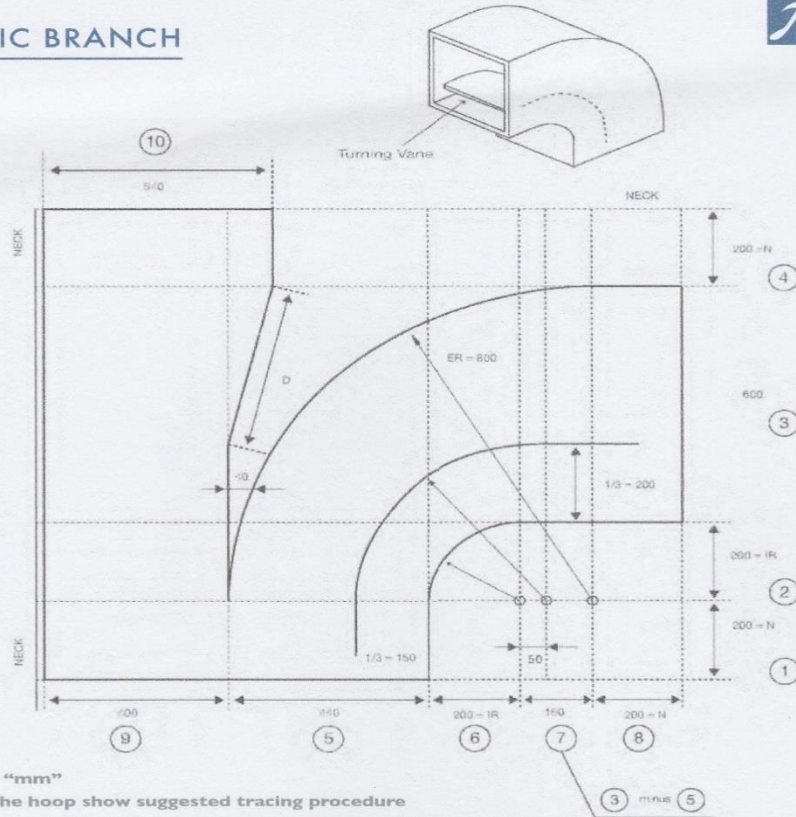


LEGEND:
 N = Neck
 ER = External Radius
 IR = Internal Radius
 TVR = Turning Vane Radius

- Dimension in "mm"
- Numbers in the hoop show suggested tracing procedure

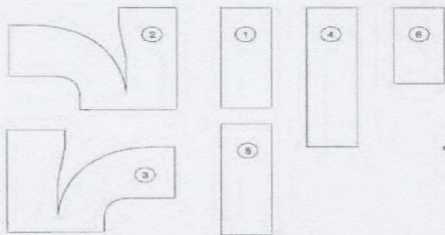
TURNING VANE	
Elbow Side (mm)	Vane
0 - 550	0
600 - 800	1
900 - 1200	3
Over 1200	3

DYNAMIC BRANCH

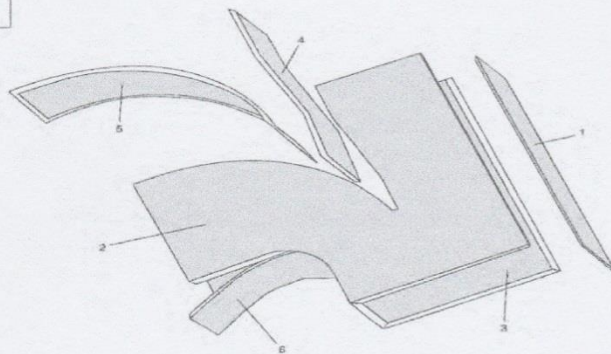


Dimension in "mm"
Numbers in the hoop show suggested tracing procedure
D suggested = 4 x (540 - 400) = 560; D minimum = 3 x (540 - 400) = 420

ASSEMBLY PROCEDURE

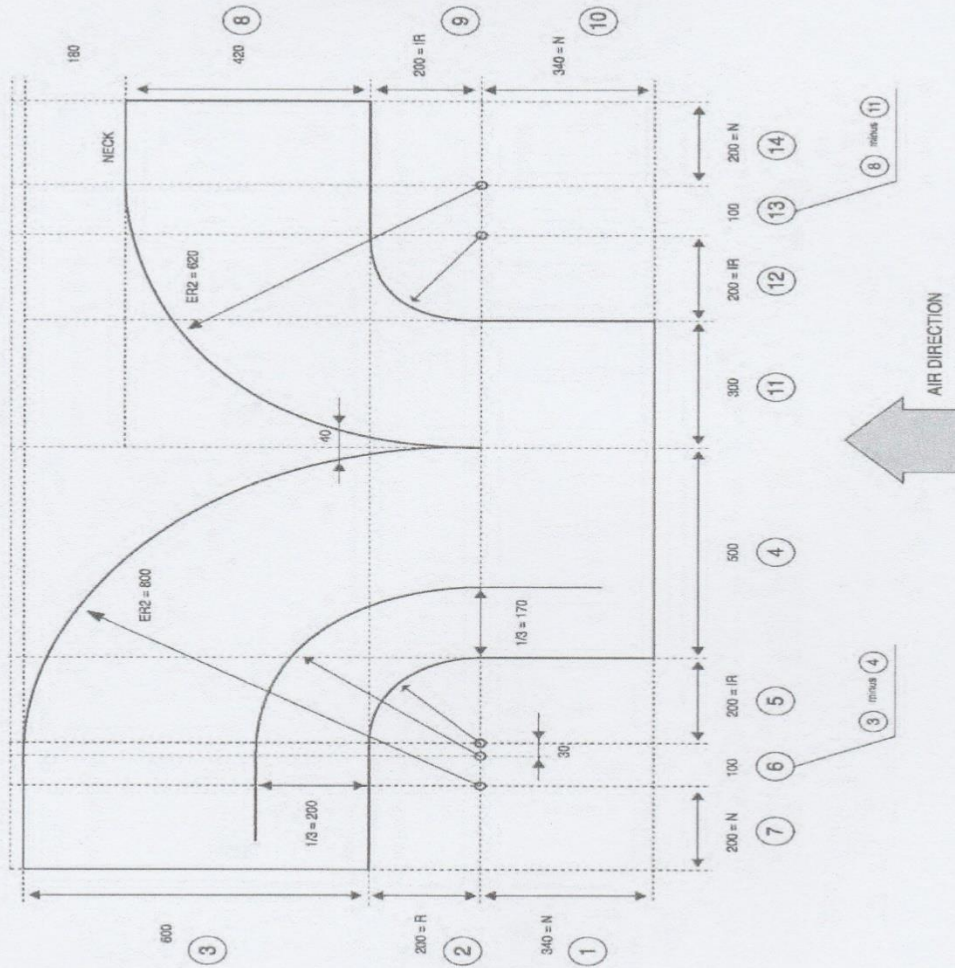


- Place 1 on the table
- Join section 2 and Section 3 to 1
- Install Section 4
- Install Section 5
- Install Section 6



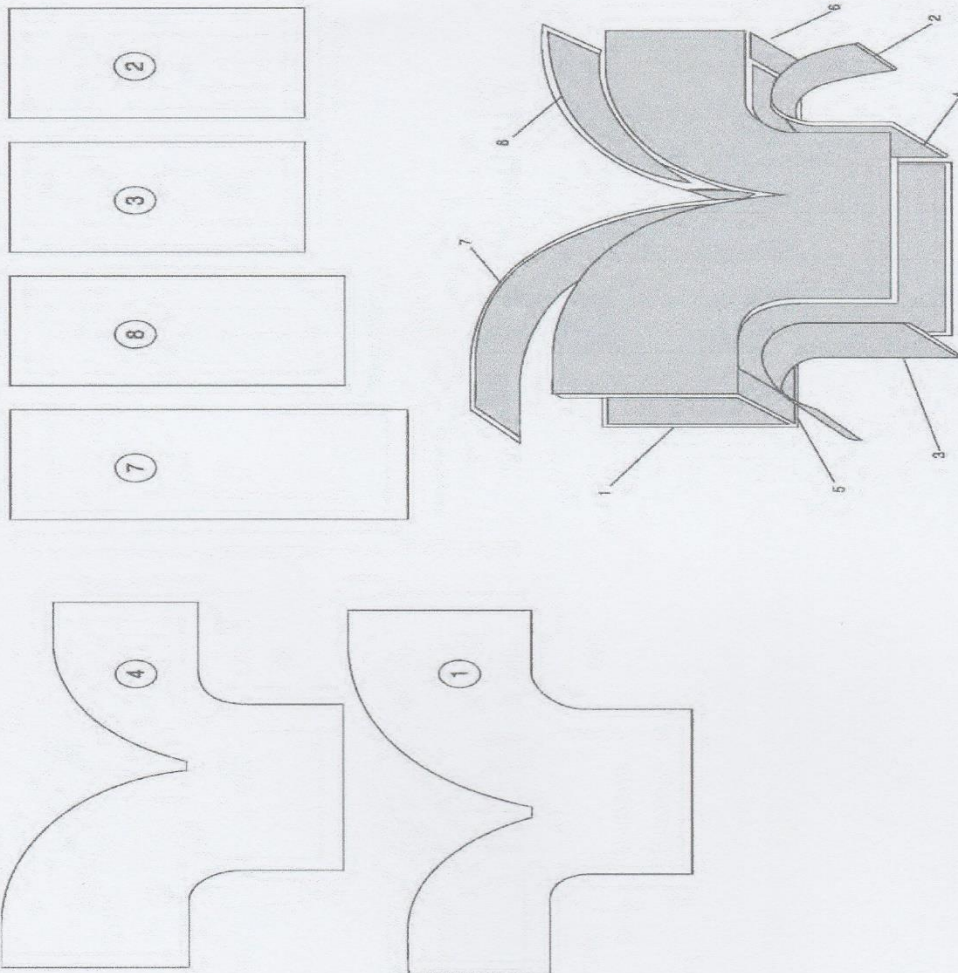
10

TEE BRANCH (Internal Side Flushed)



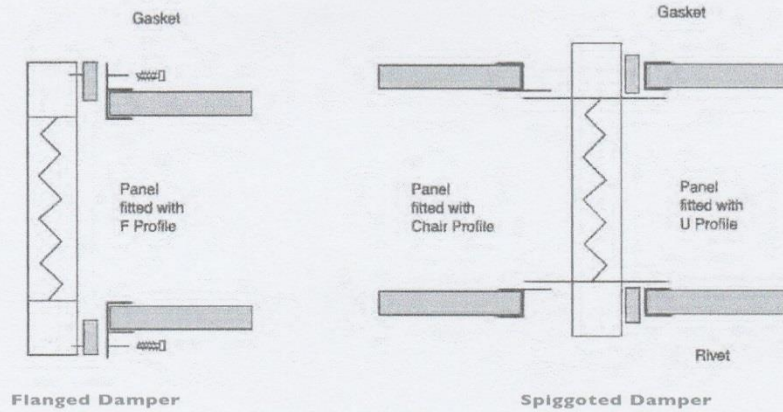
- Dimension in "mm"
- Numbers in the hoop show suggested tracing procedure

ASSEMBLY PROCEDURE

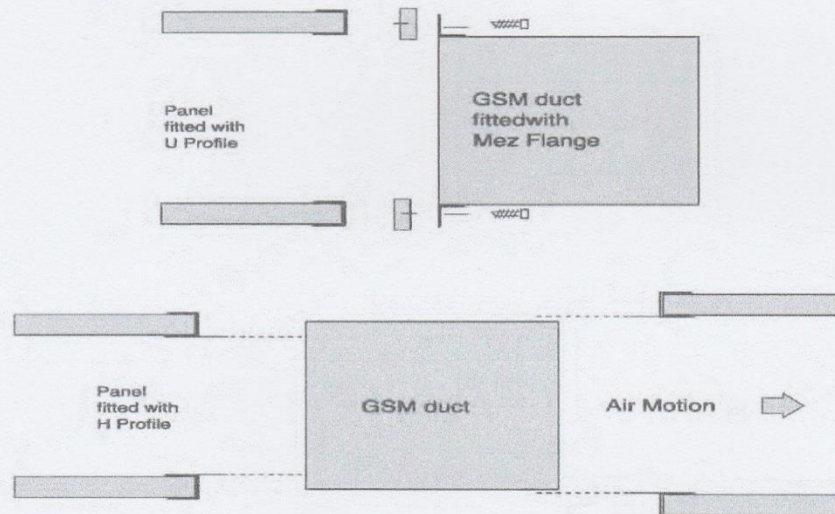


- Place 1 on the table
- Join section 2 and 3 only the Neck Section
- Add pieces (scraps) 5 and 6 with just Tape and on Glue
- Install bigger Circumference Section with cover 7
- Install Section 8
- Remove section 5 and glue section 3
- Remove section 6 and glue section 2

CONNECTION TO ACCESSORIES

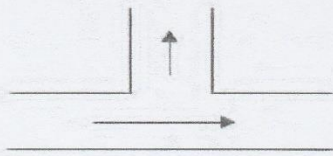


CONNECTION TO SHEET METAL

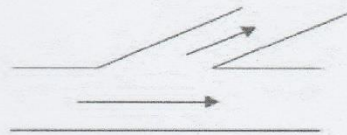


TAKE OFF

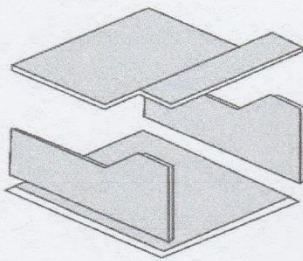
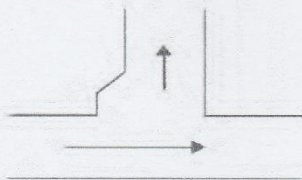
Straight Branch



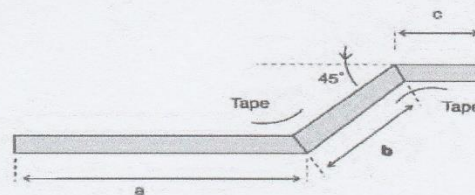
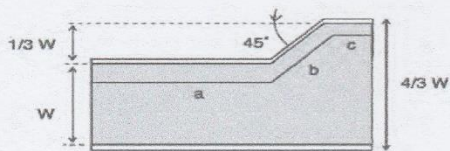
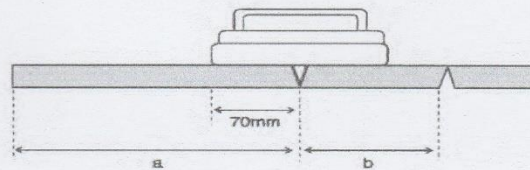
Angle Branch



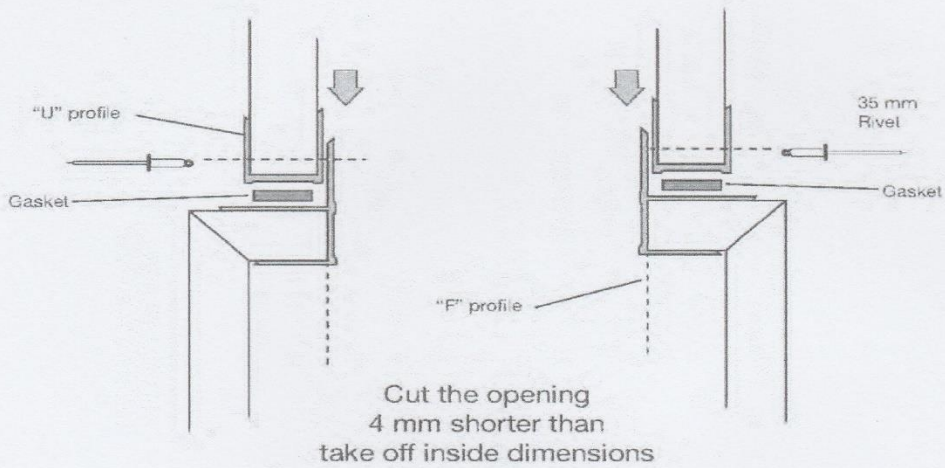
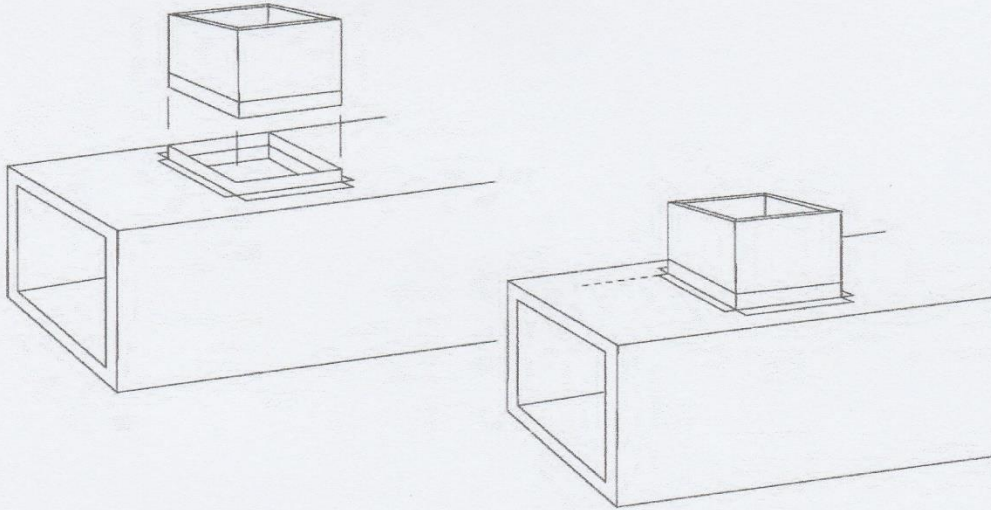
Boot Branch



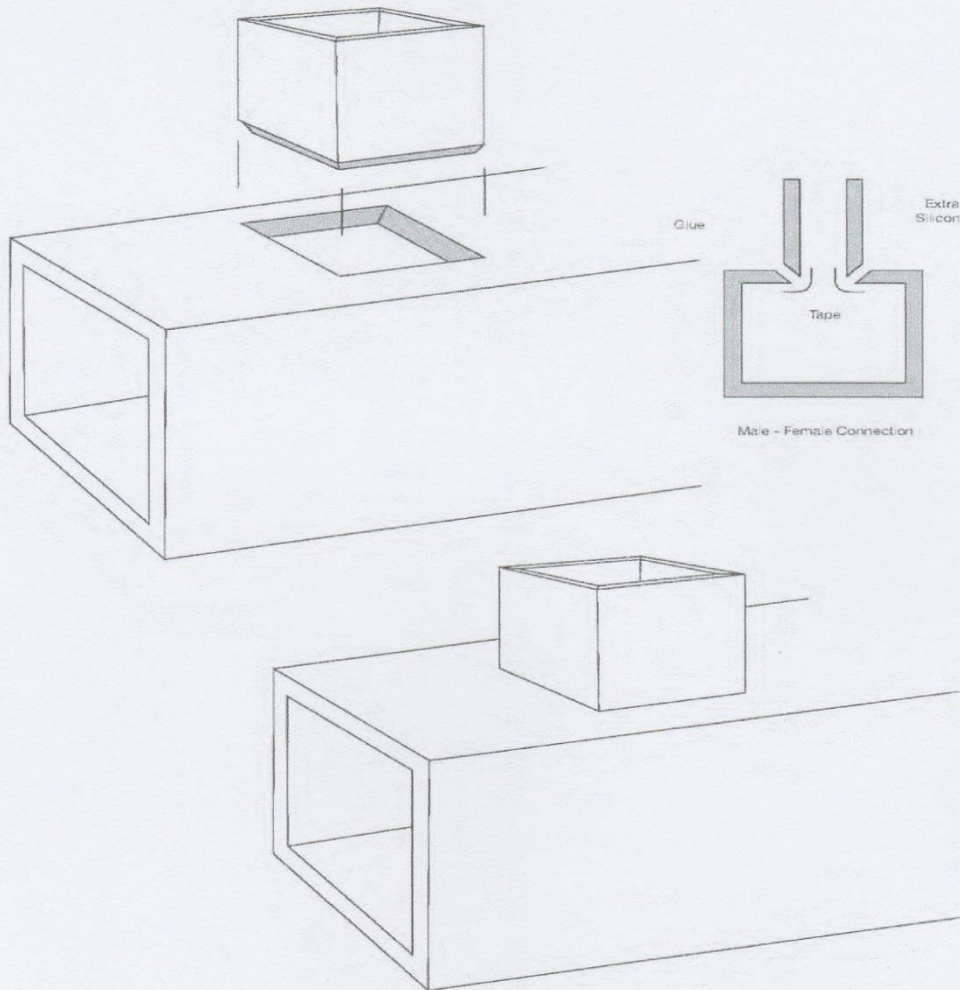
Jack Plane 22.5 degrees



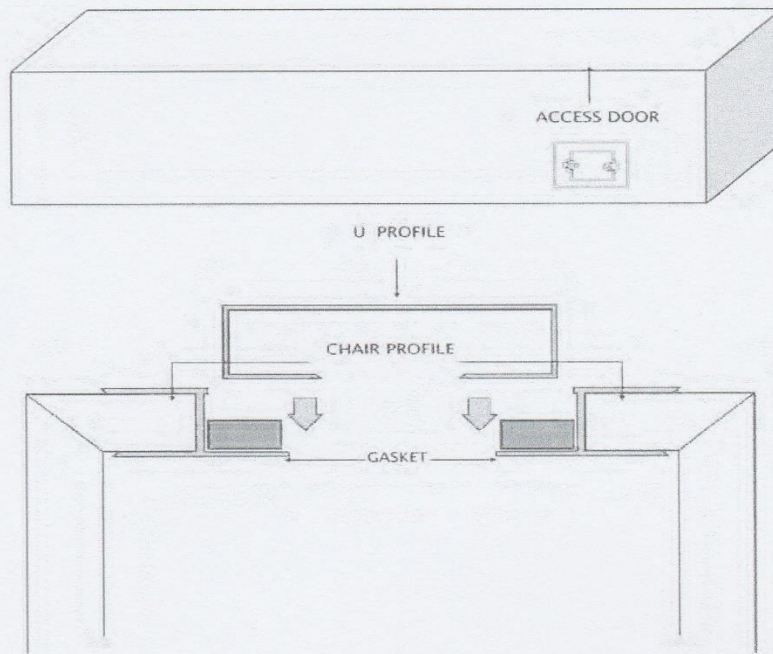
TAKE OFF (above 1000 x 1000mm)



TAKE OFF (up to 1000 x 1000mm)

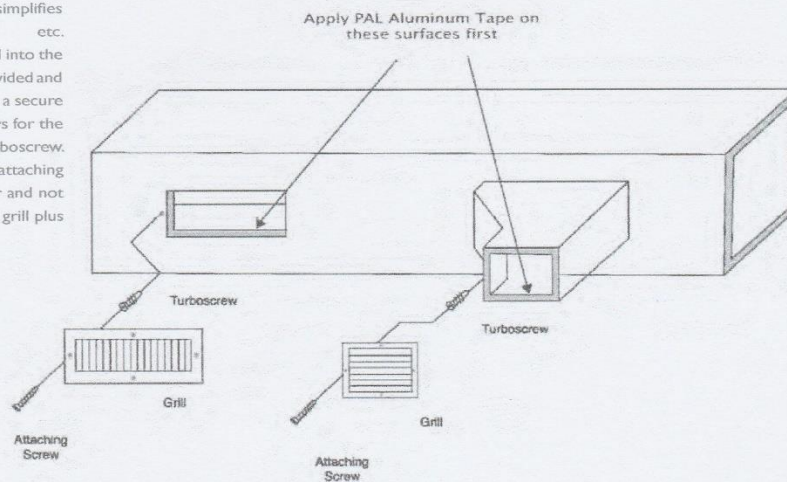


PROFILES FOR ACCESS DOORS

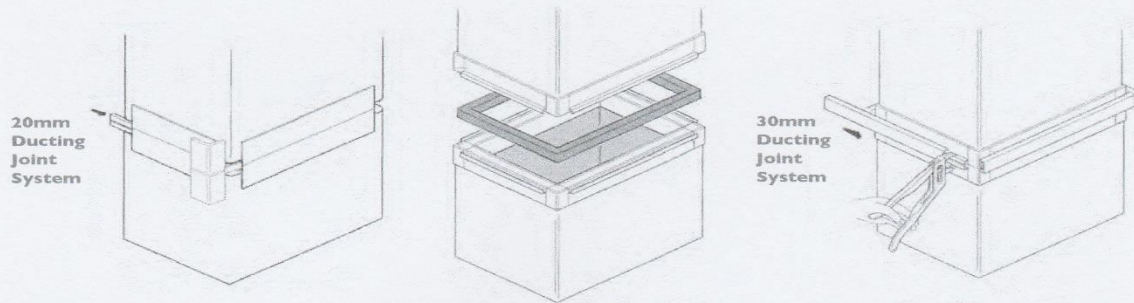


GRILL INSTALLATION (with Turboscrews)

The Turboscrew greatly simplifies the installation doors, etc. The turboscrew is easily screwed into the panel utilizing the simple tool provided and has a large thread which ensures a secure fit. The standard attaching screws for the grill are then screwed into the Turboscrew. The only constraint is the attaching screws are 4 – 5mm in diameter and not longer than the thickness of the grill plus 22mm.

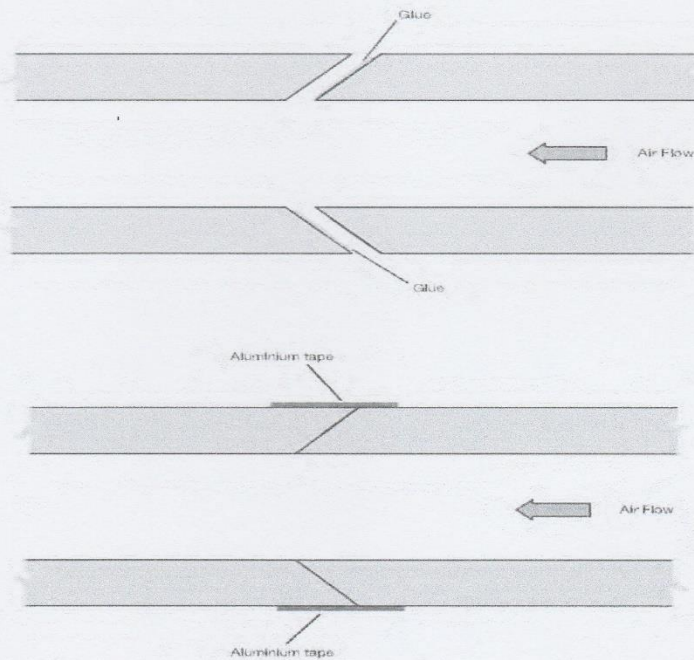


OPTION 1 - Duct Joining System



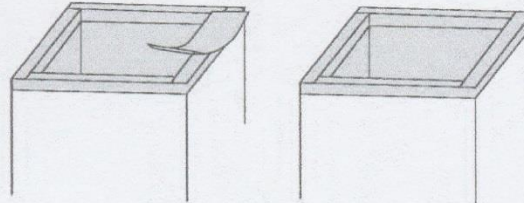
OPTION 2 - For Internal Duct (20mm thick)
Less than 500 x 500mm Section

Male - Female Joining System

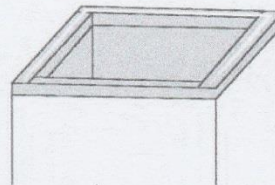


**OPTION 2 - For Internal Duct (20mm thick)
Less than 500 x 500mm Section**

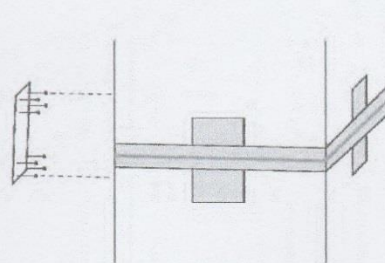
STEP 1
Application of Aluminum Tape on both ends of the duct segments



STEP 2
Silicon is placed on one side of one duct, then the two duct segments are joined together



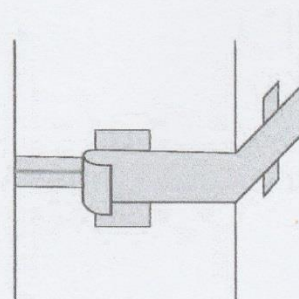
STEP 3
Tiger Connectors are placed on all four sides of the duct.
For small ducts up to 300mm, use ONE Tiger Connector on each side of the duct.



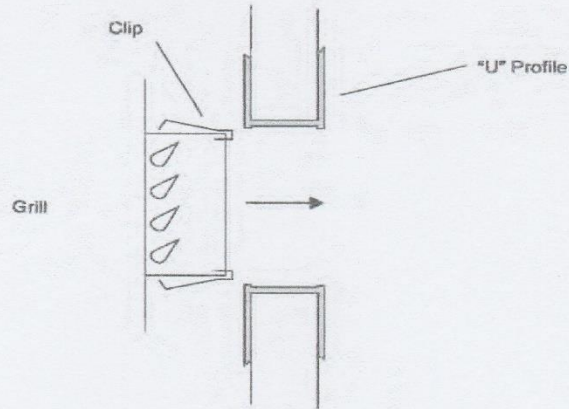
For ducts with one side 350 to 500mm, use TWO Tiger Connectors on each side.



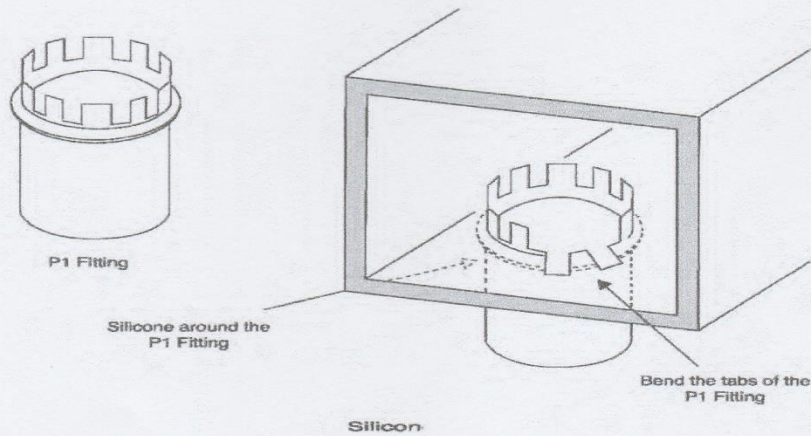
STEP 4
Aluminum Tape covers the connection of the two duct segments.



GRILL INSTALLATION with Aluminum Profiles



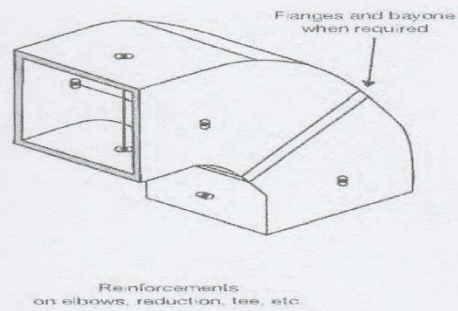
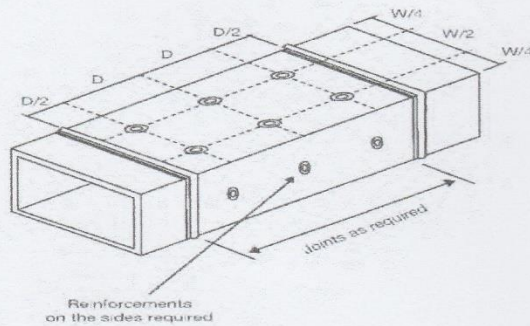
"P1" FITTINGS INSTALLATION
for Round Diffusers & Flexible Ducts



DUCT REINFORCEMENT

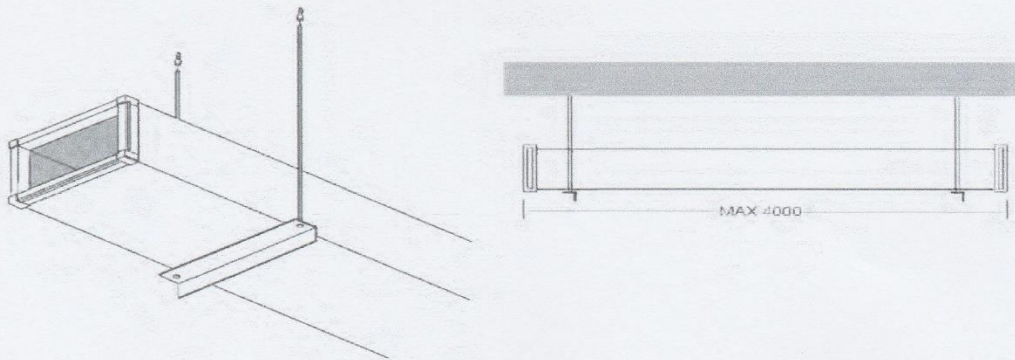
Table for the Calculation of Stiffening

DUCT SIDE mm	PRESSURE											
	PA 0-150	PA 160-300	PA 310-450	PA 460-600	PA 610-750	PA 760-950	PA 960-1000	PA 1010-1250	PA 1260-1500	PA 1510-1750	PA 1760-2000	
510-600									1	1	2	
610-700								1	1	1	2	
710-800							1	1	2	2	2	
810-900					1	1	1	2	2	2	2	
910-1000	1	1	1	1	1	1	2	2	2	2	2	
1010-1100	1	1	1	1	2	2	2	2	2	2	2	
1110-1200	1	1	1	2	2	2	2	2	2	2	2	
1210-1300	1	1	1	2	2	2	2	2	2	2	2	
1310-1400	1	1	1	2	2	2	2	2	2	2	2	
1410-1500	2	2	2	2	2	2	2	2	2	2	2	
1510-1600	2	2	2	2	2	2	2	2	2	2	2	
1610-1700	2	2	2	2	2	2	2	2	2	2	2	
1710-1800	2	2	2	2	2	2	2	2	2	2	2	
1810-1900	2	2	2	2	2	2	2	2	2	2	2	
1910-2000	2	2	2	2	2	2	2	2	2	2	2	

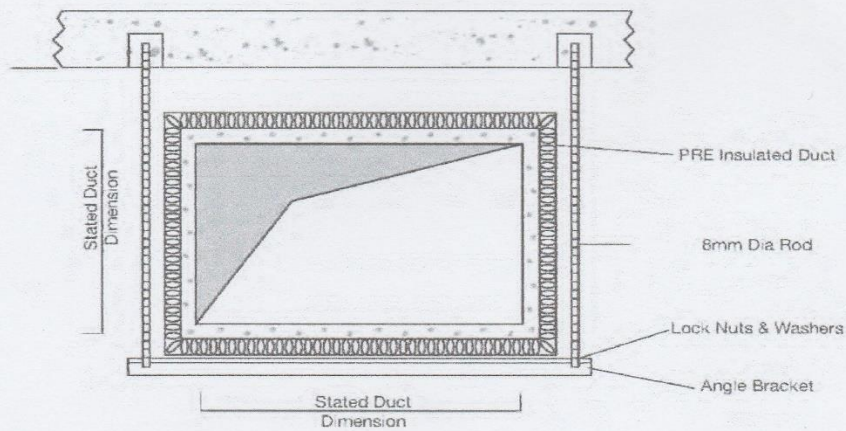


D = Recommended Step Interval (see schedule of Duct Reinforcement)
W = Width of Duct

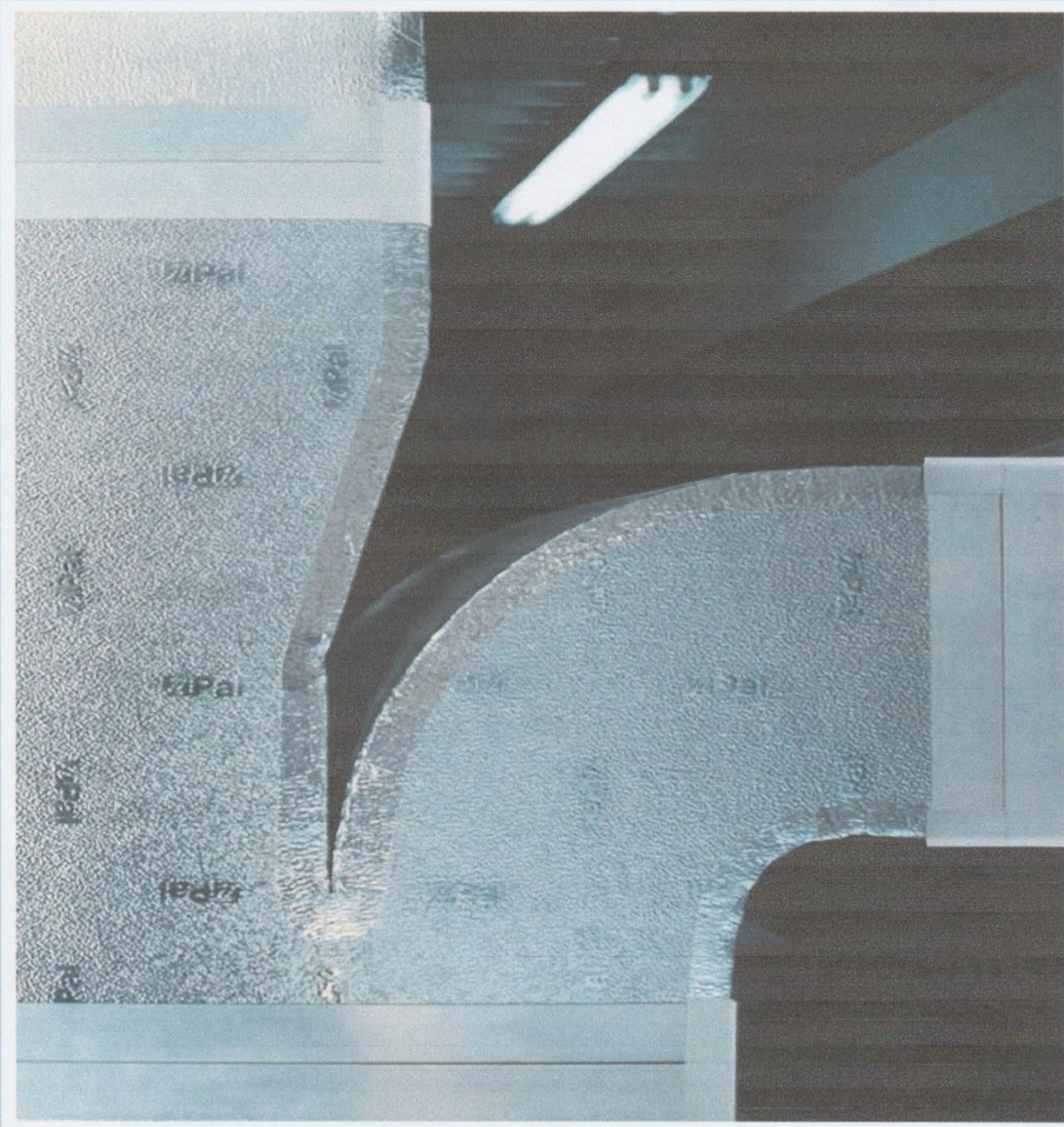
HANGER SYSTEM



DUCTWORK SUPPORT DETAIL









BLIZZARD METAL INDUSTRIES

7) *PROJECTS DONE*



BLIZZARD METAL INDUSTRIES

PROJECTS UNDER EXECUTION

SR NO	PROJECT NAME	COMPANY NAME	PROJECT TYPE	DUCTING TYPE
1	AL KHAIL AVENUE MALL	DHABI CONTRACTING	MALL	GI
2	G+10	QRANFAL TECHNICAL	RESIDENTIAL BLDNG	GI
3	G+15	VOLTFLOW	TOWER	GI
4	G+90	AE ARMA	WOW HOTEL	PI
5	GARGASH	BOWER WICK	VILLA	GI
6	G+10	LIWA ELECTROMECHANICAL	G+3 BLDNG	GI
7	RTA BUS PORT	CLIMATE CONTROL	BUS PORT	GI,PI
8	G+14	SAYAGH	HOTEL APARTMENT	PI
9	G+4	GMP	RESIDENTIAL BLDNG	GI
10	B+G+7+GYM	EMINENT CONTRACTING	RESIDENTIAL BLDNG	GI



BLIZZARD METAL INDUSTRIES

8) PREVIOUS APPROVAL

BLIZZARD METAL INDUSTRIES

PREVIOUS APPROVALS





MATERIAL SUBMITTAL

PROJECT DETAIL: PROPOSED G + 1 SCHOOL BLDG. ON PLOT NO. 3100 JUWAZIA'A, SHARJAH, U.A.E. Sub No: CMC-86-MEP-MAS-AC-10 Rev. 00

TO: NEB Priority: High Medium Low

FROM: BW MEP SERVICES Date Submitted: 08/08/2017 Response Required By: ASAP

Discipline: Arch Struct Mech Elec. Plumb Land. Other _____ Location: P T1 T2 Level: _____ Grid: _____

ENCLOSURES: Technical Data Test Reports O & M Manual (Prel.) Others (Specify) Samples Calculations O & M Manual (Final) MATERIAL SUBMITTAL Issued For Approval Compliance Statement Warranty Schedule Issue For Information / Records Method Statement Material Approval

DESCRIPTION: Material Submittal for : GI DUCT Attachments: 1 Set Hard Copy

MANUFACTURER: JINDAL SUPPLIER: M/S BLIZZARD METAL INDUSTRIES

Only One Item per Submittal is recommended

We confirm that the material hereby submitted is suitable for the conditions of use and conforms with the contract specifications and all applicable codes, standards and statutory requirements. We confirm that no variation in the contract sum is implied or claimed by this submittal sheet. Acceptance of this material submittal does not alter in any way whatsoever our contractual or common obligations and responsibilities. Where the submittal is in any way in variance with the specification, such variations must be identified and brought to the attention of the Engineer or Engineer's representative on this form. The Engineer's acceptance will be invalidated if such variations are not identified.

Main Contractor: *[Signature]* Date: 8-8-17

CONSULTANT'S COMMENTS : ISSUE / RECEIVE STAMPS

*The Approval for material submitted is subject to MEP contractor (M/s BW) obtain SH license Approval.
 * No objection for GI duct materials from M/s Jindal manufacturer of M/s Blizzard supplier according to attached our previous approval & comments of attached construction SHACNA sheet of Gounder school (Phase 2) previous project

Attachments: A - Approved B - Approved with comments (Resubmit for Record) C - Rejected R - Not Reviewed

For and on behalf of National Engineering Bureau *Wael Soud* Date: 11-8-2017

REMARKS : The Consultant's comments shall not relieve the Contractor of any of his responsibilities under the Contract.

Copied To:

Received for Contractor : *[Signature]* Date: _____
 * H.T.R is to be submitted upon to delivery at site



Mideast (L.L.C.)



KLING CONSULT



MATERIAL SUBMITTAL SHEET #

SPML/AMHR/MAR/MEP/HVAC/011-A

Rev. 00

Project Name: Al Maktoum Hospital Redevelopment Phase II

Project No. R 1004

Date: 19/04/2016

Submittal Title: GI Duct Works at Building C

Discipline:

- Civil/Structural - Architectural - MEP - Others (specify)

We are sending herewith under separate cover the documents listed below:

ITEM NO.	DOCUMENT / DWGS. SPECS BOQ REF.	DESCRIPTION	REV	COPIES	REMARKS
1.	Section 233113 - Metal Duct	GI Duct Works at Building C Note: Submitting one more supplier for GI Duct fabrication as present supplier cannot cover the duct supply as per schedule/project requirement. Attachments: 1. Material Checklist 2. Sample & Photo Supplier: M/s. Blizzard Metal Industries P.O. Box: 392855 Tel No: 04 8838323 Fax No: 04 8838321 Make: Nippon, Japan	0	4	M/s. KLING CONSULT PROJECT No. 9924 DESIGNATION: KHA INFO: Ravi ACTION: [initials] Date: 20/4/16 4:15

For Shapoorji Pallonji Mideast LLC

Signature: Akthem Abo Ghanem/ Devraj Varun

Received by:

Signature

Date: 19/04/2016

Comments :

* Subject to adhering to Project Specifications Quality Procedures.
* Approval will be withdrawn in case of any error in adhering to standards of duct manufacturing.

Status

- Approved
- Approved as Noted
- Not Approved
- Rejected / Resubmit

Resident Engineer:

Signature

Date:

Copy to: Head Office

Client

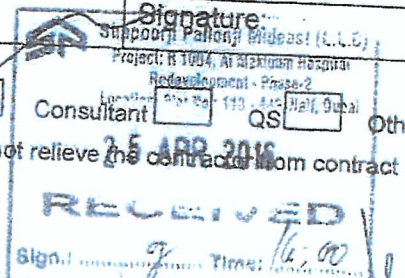
Consultant

QS

Others

Sheet No. 1 of 1

Note: Engineer's approval does not relieve the contractor from contract obligation and responsibilities.





 	LEGOLAND PACKAGE 2 DUBAI	
SAMPLE TAG		

REF:	REV.	DATE	DISCIPLINE	IV TRANSMITTAL
NIL-P1-4005-CO-2-ZZZ-T-MAT-ZZ072AE	00	12-02-15		LL-JVBO-4005-NC-CS-TRA-01423

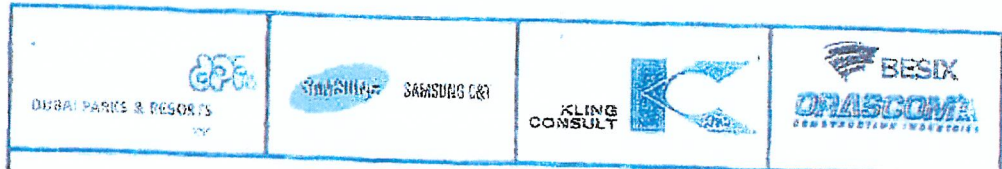
ITEM NO.	REFERENCE/DESCRIPTION	SUPPLIER/ MANUFACTURER
1	NIL-P1-4005-CO-2-ZZZ-T-MAT-ZZ072AE_REV00 Material Submittal for GI Ducting	

Consultant Comments:
No objection subject to material Submittal comments

Signature:  Date: 15/2/15
 **SASISUNG COE** Project Management Comments

Signature: _____ Date: _____

- ACTION CODE:**
- A Approved
 - B** Approved as noted, resubmission not required
 - B1 Approved as noted, resubmission required
 - C Rejected - Revise & resubmit
 - D Review not required



LEGOLAND PACKAGE 2
MATERIAL SUBMITTAL APPROVAL REQUEST

Sample

REF:	REV.	DATE	DISCIPLINE	IV TRANSMITTAL
ML-P1-4005-CO-Z-ZZZ-T-MAT-ZZ072AE	00	12-02-15	MECH	LI-JVBO-4005-KC-CS-TRA-01423

ITEM NO.	REFERENCE / DESCRIPTION	Manufacturer/Supplier
1	ML-P1-4005-CO-Z-ZZZ-T-MAT-ZZ072AE_REV00 Material Submittal for GI Ducting	Bizzard Metal

Enclosure:
 Material Submittal Sample Test Result/Certificate
 Submittal For:
 For Approval For Information only Other

Data Submitted: _____ Approval Required By: KLING CONSULT

Note: We certify that the document submitted herewith has been reviewed in detail and is in strict conformance with the contract drawing and specification except as stated otherwise.

Approved By: Project Manager
 Name: Brian Smith Signature: *[Signature]* Date: 12-02-15

Consultant Comments:
Refer the attached Comments sheet

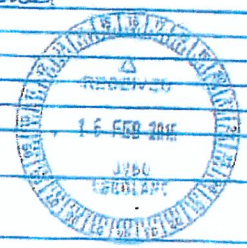
Signature: *[Signature]* Date: 15/2/15

Project Management Comments

Signature: _____ Date: _____

CONTROLLED

MASTER COPY



Any Approval, Check, certificate, Consent, Examination, Inspection, Instruction, Notice, Proposal, Request, Test, or Similar act by the Engineer (including absence of disapproval) shall not relieve the Contractor from any responsibility he has under the contract, including responsibility for errors, omissions, discrepancies and non-compliances.

ACTION CODE:

A. Approved
 B. Approved as noted, resubmission not required
 B1. Approved as noted, resubmission required
 C. Rejected -- Revise & resubmit
 D. Review not required

lgd *chd* *[Signature]* 15/15



TECHNICAL / MATERIALS SUBMITTAL FORM

All contents of this form have to be approved and all copies of the relevant portions of the specifications, drawings, manufacturer's technical data, specifications and test certificates must accompany the submission. When sections are not applicable to the items submitted the sections must be marked 'N/A'.

PROJECT NO. DATE 17-04-2015 SUBMITTAL CONTRACTOR NAME Nival LLC MEP SUBCONTRACTOR BEMCO AD

Table with 2 columns: Description of Materials to be Approved, and Status. Rows include Specification Section and Clause No., Relevant Drawings, Manufacturer's Technical Literature, and Test Results.

MANUFACTURED PRODUCTS: Name and address of Supplier in UAE: Bizzard Metal Industries- UAE. Name and address of Manufacturer: G.J. Steel (Al Ghurair Iron & Steel-UAE), Dubai (Bizzard Metal Industries-UAE).

Contractor's Project Manager: Eng. Ahmad Alshidi. Signature and Date: 17-04-2015.

REVIEWED BY DESIGN CONSULTANT. Comments: Code (A). This only for air conditioning wou. except fire rated ducts. Includes a table for Review Status and a signature block for Green Commission of Supervised Responsibility.

APPROVED BY EMPLOYER REPRESENTATIVE- ROE. Comments: Includes a table for Review Status and a signature block for Employer Representative. Note: The above form Contractor submitted prepared for the above mentioned project have been examined with the following action as indicated.

Handwritten notes and signatures at the bottom of the page.

ARENCO

ABDULLAH AHMED ALMOOSA
architectural & engineering consultants

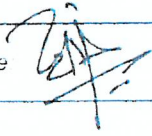

JOB #

J166

REF #

J166/MEP/PQ/08

APPROVAL OF SUBCONTRACTOR / SUPPLIER

Project Name:		B+G+7+GYM & SWIMMING POOL RESIDENTIAL BUILDING			
Plot No.:		317-1114	Location	Markhool	City
Main Contractor:		AL AHMADIAH CONTRACTING & TRADING			
MEP Contractor:		EMINENT CONTRACTING LLC			
Department:		Architectural	Structural	MEP	
Subcontractor (Proposed)		M/s. Blizzard Metal Industries for G I Duct Fabrication & Supply			
ARENCO			ALTERNATIVE		
Specified Subcontractor / Supplier			Proposed Subcontractor / Supplier		
			M/s. Blizzard Metal Industries for Duct Supply		
Manufacturer		Nippon - Japan			
Local Agent		M/s. Blizzard			
Enclosures		Pre Qualification 4 sets with soft copy			
Reason(s) for Alternative Subcontractor / Supplier		No Specified Supplier in Vendor List			
Submitted by	Mr. Richard Peethan	Signature			Date: 13/02/2019
This portion is for the use of Consultant only					
Status	Approved	Approved As Noted	Rejected	Resubmit	
Comments :					
					
Signed by	Signature			Date	
This form is to be handed over to ARENCO early enough. Sometimes, approval may take upto two weeks					



BLIZZARD METAL INDUSTRIES

9) COMPANY REGISTRATION DOCUMENTS



FIRST QUALITY CERTIFICATION

Certificate of Registration

This certificate is hereby granted to the organization,

BLIZZARD METAL INDUSTRIES L.L.C

P.O. Box 392855, Dubai Investment Park-1, United Arab Emirates

which has been assessed and found to be conforming in accordance with the requirement of the management system standard,

ISO 9001:2015

The Organization applies a Quality Management System in line with the above standard for the following scope:

Central Air- Conditioning Requisites Manufacturing

Certification Registration No: FQC/Q/0002018/0081/AE
Trade License No: 716229

First Issue Date: 05 May 2019

Re-Issue Date: NIL

1st Surveillance due before: 04 May 2020

Expiry Date: 04 May 2022

Certification Period: **3 Years**

2nd Surveillance due before: 04 May 2021



201901-06


Chief Executive Officer

FIRST QUALITY CERTIFICATION



FIRST QUALITY CERTIFICATION

Certificate of Registration

This certificate is hereby granted to the organization,

BLIZZARD METAL INDUSTRIES L.L.C

P.O. Box 392855, Dubai Investment Park-1, United Arab Emirates

which has been assessed and found to be conforming in accordance with the requirement of the management system standard,

ISO 14001:2015

The Organization applies an Environmental Management System in line with the above standard for the following scope:

Central Air- Conditioning Requisites Manufacturing

Certification Registration No: FQC/E/0002018/0082/AE
Trade License No: 716229

First Issue Date: 05 May 2019

Re-Issue Date: NIL

1st Surveillance due before: 04 May 2020

Expiry Date: 04 May 2022

Certification Period: **3 Years**

2nd Surveillance due before: 04 May 2021



201901-05


Chief Executive Officer



FIRST QUALITY CERTIFICATION

Certificate of Registration

This certificate is hereby granted to the organization,

BLIZZARD METAL INDUSTRIES L.L.C

P.O. Box 392855, Dubai Investment Park-1, United Arab Emirates

which has been assessed and found to be conforming in accordance with the requirement of the management system standard,

ISO 45001:2018

The Organization applies an Occupational Health and Safety Management System in line with the above standard for the following scope:

Central Air- Conditioning Requisites Manufacturing

Certification Registration No: FQC/OH/0002018/0083/AE
Trade License No: 716229

First Issue Date: 05 May 2019

Re-Issue Date: NIL

1st Surveillance due before: 04 May 2020

Expiry Date: 04 May 2022

Certification Period: **3 Years**

2nd Surveillance due before: 04 May 2021



201901-05


Chief Executive Officer



رخصة صناعية Industrial License

تفاصيل الرخصة / License Details

License No.	716229	رقم الرخصة
Company Name	BLIZZARD METAL INDUSTRIES L.L.C	اسم الشركة بلزرذ للصناعات المعدنية ش.ذ.م.م
Trade Name	BLIZZARD METAL INDUSTRIES L.L.C	الإسم التجاري بلزرذ للصناعات المعدنية ش.ذ.م.م
Legal Type	Limited Liability Company(LLC)	الشكل القانوني ذات مسؤولية محدودة
Expiry Date	27/08/2020	تاريخ الإتهاء
D&B D-U-N-S® No	0	الرقم العالمي
Register No.	1203851	رقم السجل التجاري
Issue Date	28/08/2014	تاريخ الإصدار
Main License No.	716229	رقم الرخصة الام
DCCI No.	239229	عضوية الغرفة

الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الإسم	رقم الشخص/ No.
	Manager / مدير	India / الهند	اشرف كولوثيرديال كنهان ASHARAF KOLOTHODIYIL KUNHAN	698664
	Manager / مدير	India / الهند	شفيق عبدالقادر عبدالقادر SHAFEEQUE ABDULKADER ABDULKADER	630315

نشاط الرخصة التجارية / License Activities

Central Air-Conditioning Requisites Manufacturing

صناعة مستلزمات أنظمة تكييف الهواء المركزية

العنوان / Address

Phone No	971-4-8838323	تليفون
Fax No	971-4-8838321	فاكس
Mobile No	971-50-4608887	هاتف متحرك

P.O. Box	392855	صندوق بريد
Parcel ID	598-653	رقم القطعة
مخزن رقم 3 ملك الشركة التجارية الدولية - برديي - مجمع دبي للاستثمار الاولي		

الملاحظات / Remarks

تم نقل الموقع بتاريخ 26/12/2017
تم إضافة شريك وتغير مدير وانسحاب شريك وزيادة راس المال بتاريخ 4/1/2018

Print Date 11/09/2019 12:35 تاريخ الطباعة Receipt No. 13305442 رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على اذن الدفع.

Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment

وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae

Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit www.dubaided.gov.ae



ملحق الشركاء Partners

تفاصيل الرخصة / License Details

D&B D-U-N-S ® No. 0 الرقم العالمي License No. 716229 رقم الرخصة

اصحاب الرخصة / License Partners

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رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على اذن الدفع.

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وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae

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شهادة شهر قيد شركة في السجل التجاري
Commercial Register

Register Details / تفاصيل القيد					
Main Lice. Nr	716229	رقم الرخصة الأم	Register No.	1203851	رقم القيد
Company Name	بلزرد للصناعات المعدنية ش.ذ.م.م.				
	BLIZZARD METAL INDUSTRIES L.L.C				
Legal Type	Limited Liability Company(LLC)			ذات مسؤولية محدودة	الشكل القانوني
Expiry Date	27/08/2020	تاريخ الإنتهاء	Reg. Date	14/12/2015	تاريخ الإصدار
D&B D-U-N-S ® No.			0		الرقم العالمي
Capital Details / تفاصيل رأس المال					
Nominated	300,000				الإسمى
Paid	300,000				المدفوع
No. of Shares	0				عدد الأسهم
Currency	UAE Dirhams			درهم اماراتي	العملة
License Address / عنوان الرخصة					
مخزن رقم 3 ملك الشركة التجارية الدولية -بردي- مجمع دبي للاستثمار الاولي					
Commerce Address / عنوان السجل التجاري					
مخزن رقم 3 ملك الشركة التجارية الدولية -بردي- مجمع دبي للاستثمار الاولي					
Register Activities / أنشطة السجل					
Central Air-Conditioning Requisites Manufacturing		صناعة مستلزمات انظمة تكييف الهواء المركزية			

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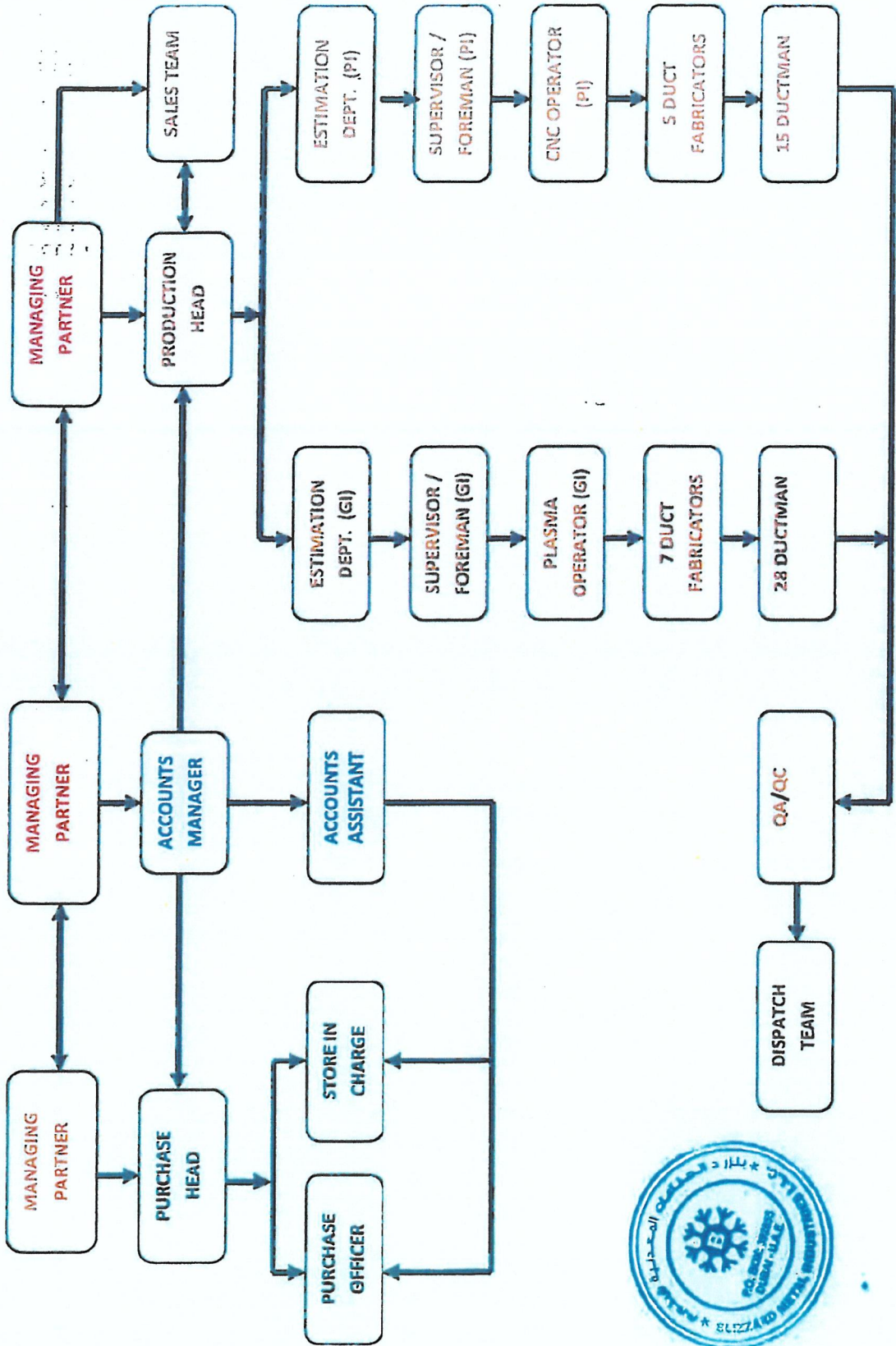
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BLIZZARD METAL INDUSTRIES

10) ORGANIZATIONAL CHART

ORGANIZATION CHART





BLIZZARD METAL INDUSTRIES

11) CONTACT US



BLIZZARD METAL INDUSTRIES

CONTACT US

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Fax : (+971 4) 8838321

E-mail : Pritamdeolekar@gmail.com

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