



DIFFUSER CONSTRUCTION DETAILS

DIFFUSER ASSEMBLIES

TOTAL NUMBER OF ASSEMBLIES : 3
 EACH ASSEMBLY IS 5m X 5m
 EACH DIFFUSER IS ALSO MOUNTED 5m APART FROM EACH OTHER
 THERE ARE 3 IDENTICAL DIFFUSERS , EACH WEIGHING 1405 Kg EACH
 TOTAL WEIGHT OF DIFFUSERS 3 X 1405 Kg = 4215 Kg

DIFFUSER PIPE OUTLET

EACH DIFFUSER HAS 2 OUTLET STAINLESS STEEL PIPES 5m IN LENGTH EACH AND 5m APART.
 PIPES ARE 200mm ID / 3mm THICK / GRADE 316 STAINLESS
 PORTS : 4 OPEN ENDS IN EACH OF THE 3 ASSEMBLIES
 PORTS DISTANCE APART; 5m, IN BOTH DIRECTIONS
 TOTAL AMOUNT OF PORTS: 12

DIFFUSER INLET PIPES

INLET PIPES ARE 200mm ID/ 3mm THICK GRADE 316 STAINLESS
 2 INLET PIPES ONTO EACH DIFFUSER
 TOTAL NUMBER OF INLET PIPES 6
 INLET PIPE FLANGES DN200 PN16

DIFFUSER SUPPORTING FRAMEWORK

STAINLESS STEEL BOX SECTION FRAME
 SIZE OF BOX SECTION: 100mm x 100mm x 5mm THICK
 GRADE 316 STAINLESS

DIFFUSER SUPPORTS TO JETTY

DIFFUSERS FRAMEWORK ARE SUSPENDED FROM THE JETTY BY STAINLESS STEEL CABLES OR CHAINS FIXED TO EYELETS ON EACH CORNER OF THE FRAMEWORK
 EACH DIFFUSER HAS 4 WIRE CABLES OR CHAIN
 TOTAL NUMBER OF VERTICAL SUSPENDING WIRE CABLES OR CHAINS 12

Lovie Construction Ltd

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Contract/Drawing No		SEA WATER	
Rev:	Amendment:	Date:	Initials:

Contract Title:
PROPOSED FISH PROTEIN RECOVERY PLANT
 AT CASTLE STREET , PETERHEAD
 FOR LUNAR FREEZING LTD

Drawing Title:		SEA WATER INTAKE AND DISCHARGE	
Scale:		1 : 500, 1:200, 1: 100	
Date:	6/7/21	Drawn by:	S. LOVIE
THIS DRAWING TO BE READ IN CONJUNCTION WITH			
Drawing No.			
Engineers Design No.			