

SELF DRILLING SCREWS:

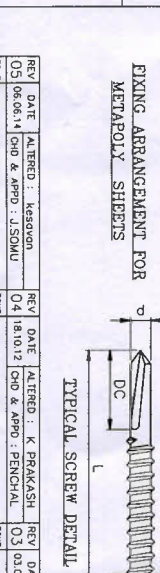
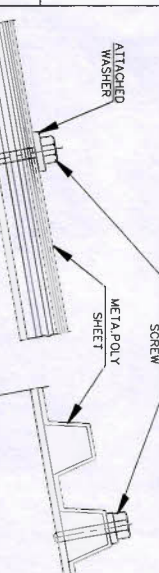
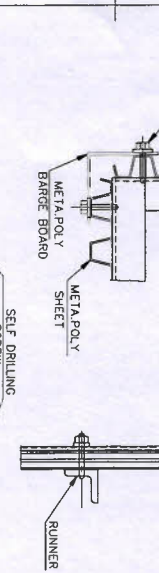
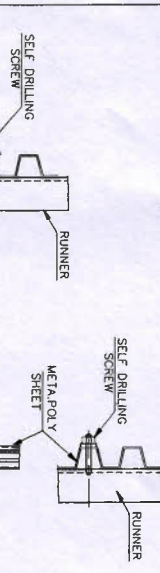
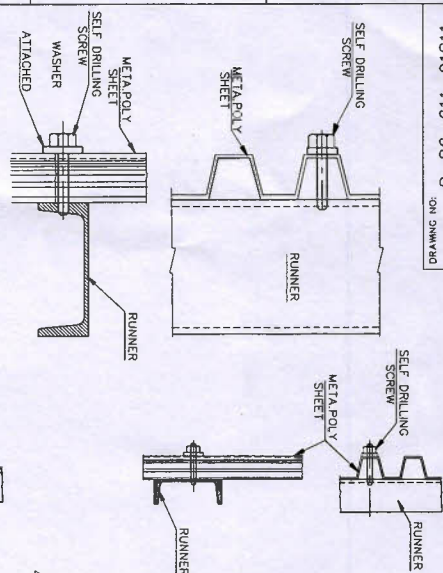
APPLICATIONS:

1. For fixing of floor grills with floor beams through clips.
2. For fixing of roof sheets thickness varying from 0.5 to 1.00mm with purlins/runners.
3. For stitching of sheets of thickness from 0.5 to 1.00mm as per the details given below.

SPECIFICATION:

Hexagonal head self drilling screws conforming to:

1. Material ASTM A48 Grade 1022 (Killed carbon steel) or Australian and International Standard AS3566 class 3 or equivalent.
2. Case hardness: 52-58 HRC Case
3. Core hardness: 32-40 HRC Core
4. Drill Test: 5mm Test plate less than 5 seconds (otherwise to be specified by the vendor)
5. Torque: 100/16 in for 72 hours. (otherwise to be specified by the vendor).
6. All screws shall be galvanized.
7. Washer: 16mm dia and above
8. Plastic caps for the hexagonal head, colour matching with the sheets.
9. Size:
 - a) For fixing of floor grills:
 - i) 5.5 dia x 32mm long, maximum thickness drilled DC 12mm. (Fully threaded or to be specified by the vendor)
 - ii) 5.5 dia x 63mm long, maximum thickness drilled DC 12mm. (Fully threaded or to be specified by the vendor)
 - iii) 5.5 dia x 19mm long (Fully threaded or to be specified by the vendor)
 - b) For stitching of sheets:
 - i) 4.8 dia x 19mm long (Fully threaded or to be specified by the vendor)
 - c) SCREW GUN: Suitable power operated with hexagon socket.
10. COST OF SCREW ONLY DEBITED TO TRIGHY BHEL & THE COST OF (MACHINE) SCREW GUN TO BE BORNE BY ERECTOR.



FIXING ARRANGEMENT FOR METAPOLY SHEETS

TYPICAL SCREW DETAIL

TYPICAL FIXING DETAIL OF FLOOR GRILL WITH CLIP

APPLICABLE FOR 500 MW AND HIGHER CAPACITY BOILERS

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

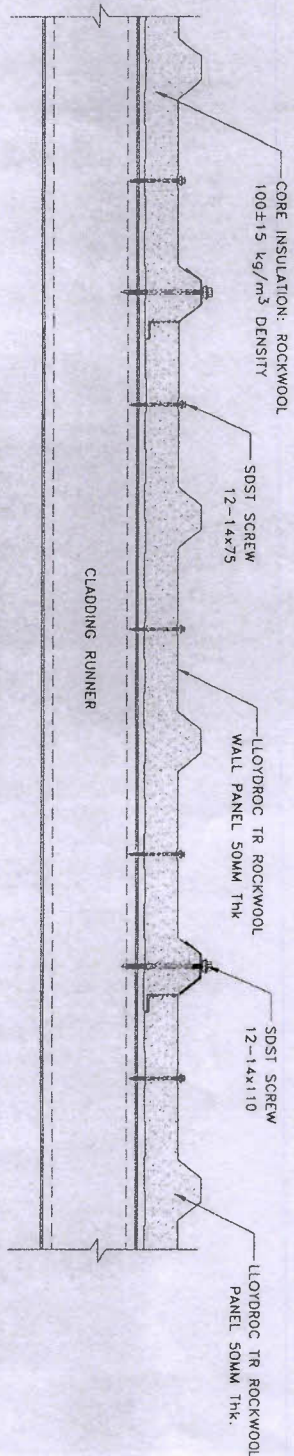
REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

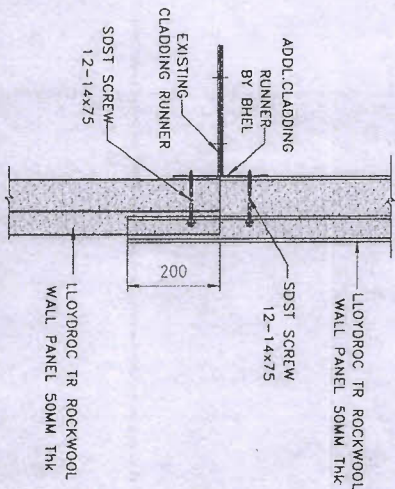
REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

REV	DATE	ALTERED BY	REASON	REV	DATE	ALTERED BY	REASON
03	06/03/14	GOB & APPO	USDMU	04	18/10/12	GOB & APPO	PENICHAL
20M				20M			
03	06/03/14	GOB & APPO	USDMU	03	03/03/11	GOB & APPO	PENICHAL
20M				20M			

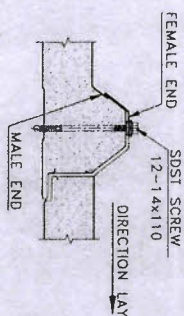
CAUTION: The information in this document is the property of the company. It is to be used directly and may be detrimental to the company.						
UNIT	ST		SCALE	N.T.S.	WEIGHT (kg)	REF TO JSSY / OLD DOC
CODE	122					
SELF DRILLING SCREW						
DRAWING NO :						
REV						



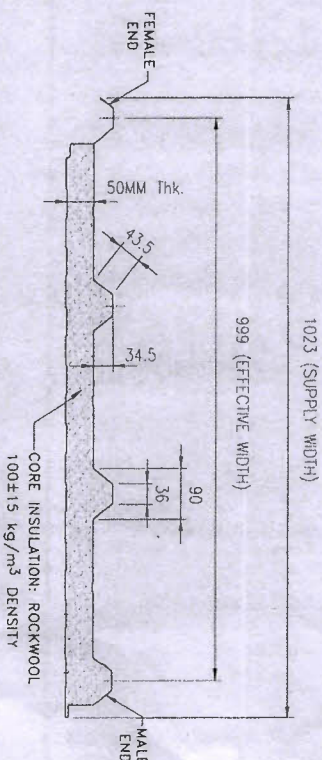
LLOYDROC TR ROCKWOOL WALL PANEL
TYPICAL FIXING DETAIL



TYPICAL END LAP DETAIL



TYPICAL SIDE LAP DETAIL



LLOYDROC TR ROCKWOOL SANDWICHED PANEL - PROFILE DETAILS

Drawing Approved.
S. Sathiyaseelan
S. SATHYASEELAN
Deputy Manager
Supp. Structures / PE (F8)
BHEL, TRICHTY - 620 014.



LLOYD INSULATIONS (INDIA) LIMITED.
S. HADDOWS LANE, OFF. HADDOWS ROAD NUNGAMBAKKAM,
CHENNAI - 600 006.
[CERTIFIED ISO 9001 : 2000 BY NOA-QSR]

ENGINEERS & CONTRACTORS
SPECIALISTS IN:
TECHNICAL-HYDRO-Acoustic INSULATION
CIVIL STRUCTURES & PEB

Title:

LLOYDROC TR ROCKWOOL WALL PANEL
TYPICAL FIXING DETAIL

Scale	1:50
Dwg. No.	LI-001
Rev No	2