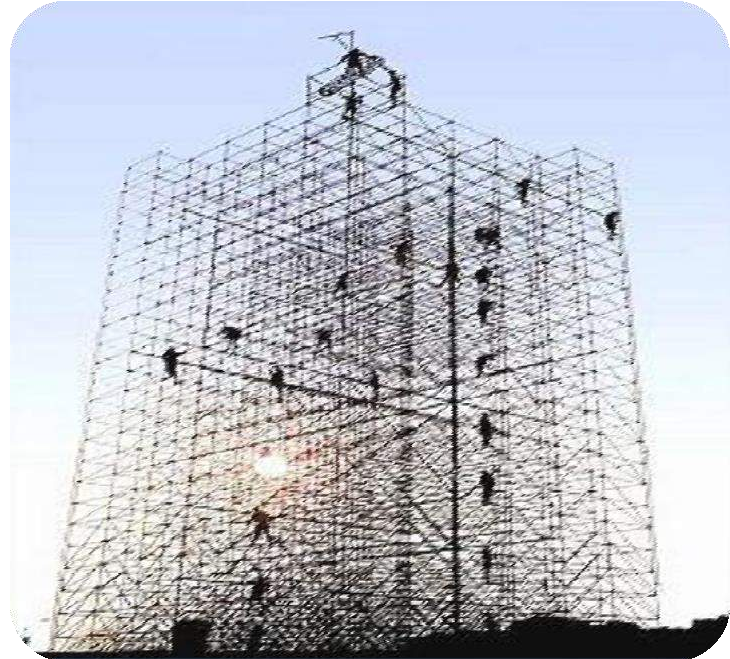
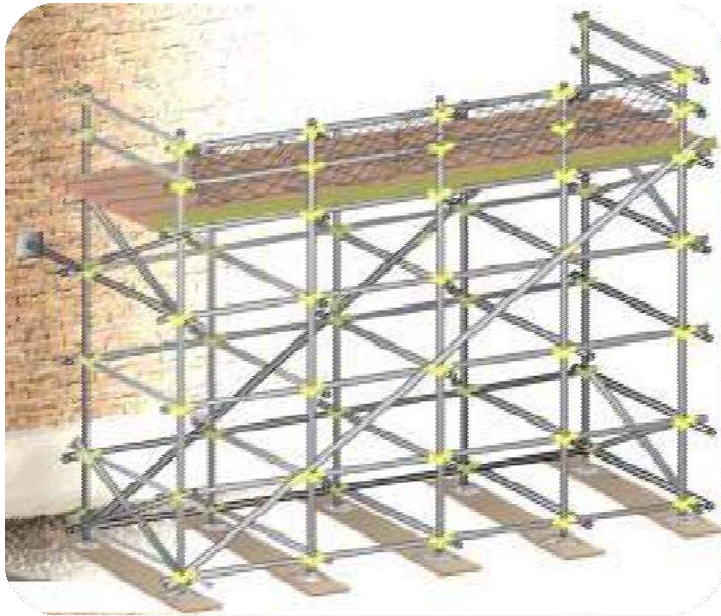
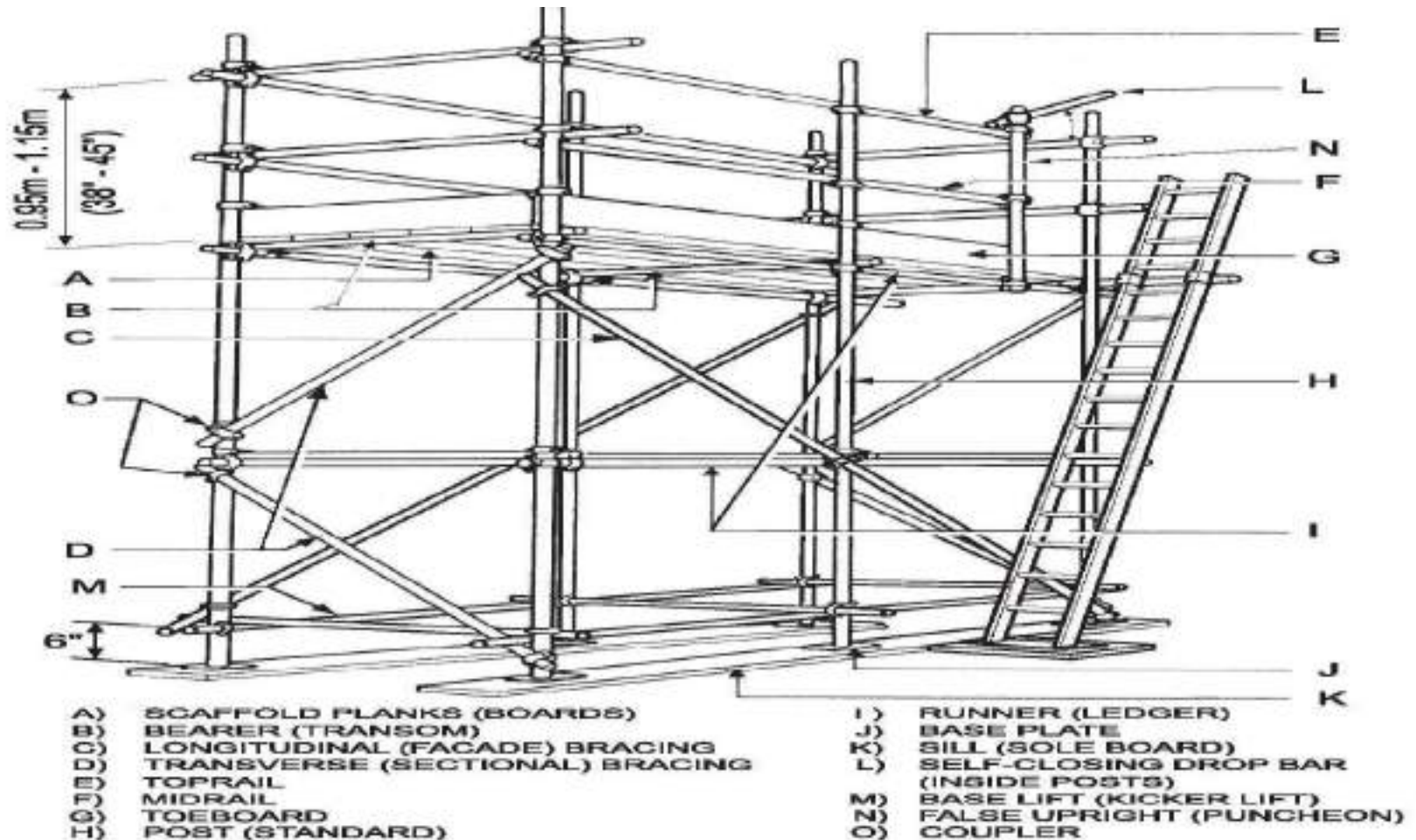


DASAR PERHITUNGAN SCAFFOLDING

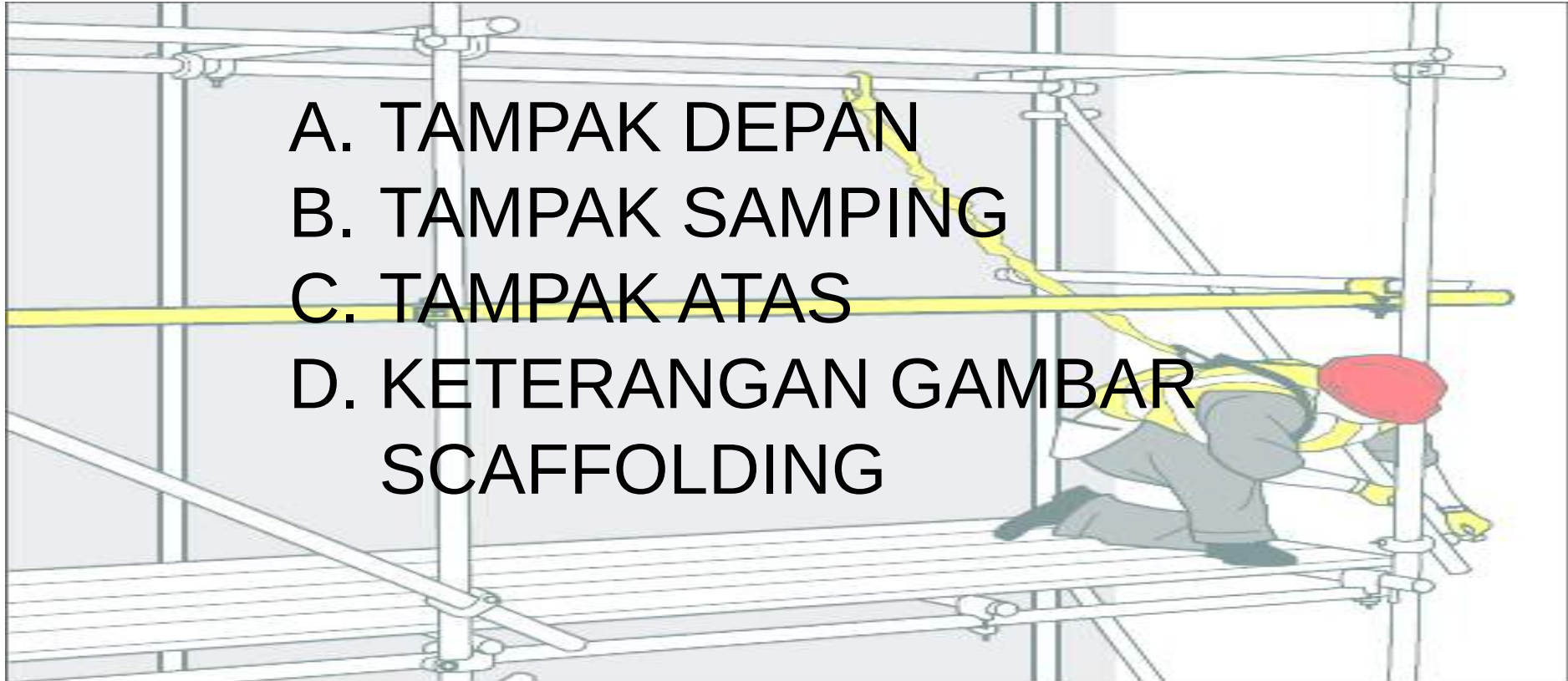


Latihan : urutkan Proses Pembongkaran



PEMBAGIAN GAMBAR

- A. TAMPAK DEPAN
 - B. TAMPAK SAMPING
 - C. TAMPAK ATAS
 - D. KETERANGAN GAMBAR
- SCAFFOLDING



A Tampak depan

B Tampak samping

C Tampak atas

D Keterangan

KOLOM A adalah berisi gambar scaffolding **TAMPAK DEPAN**.

Memperlihatkan Standar dan ukuran antar standar, Ledger dan Breaces

KOLOM B adalah berisi gambar scaffolding **TAMPAK SAMPING**.

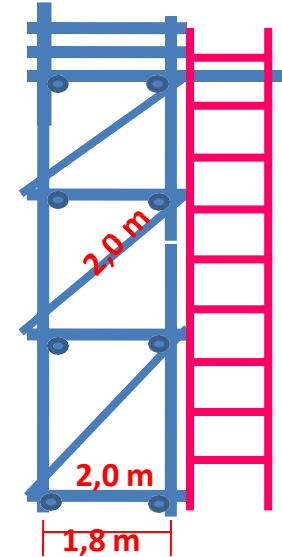
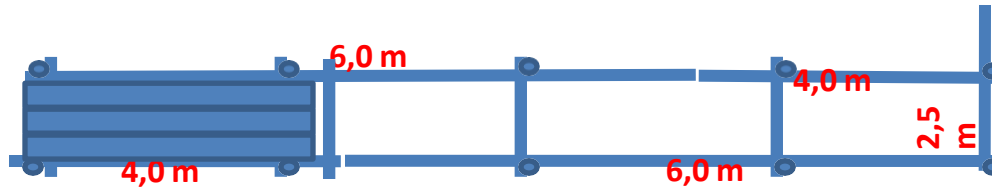
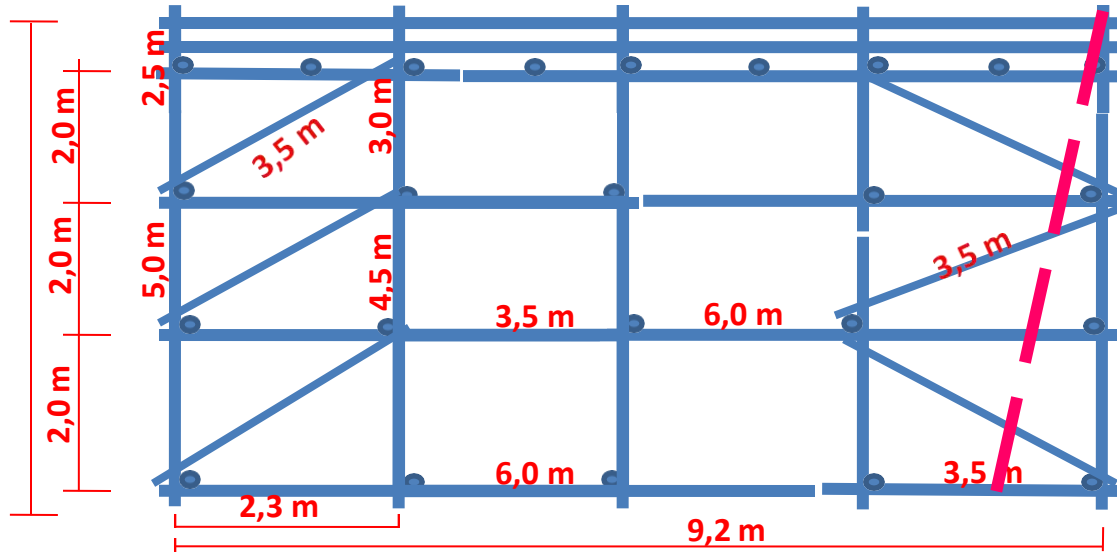
Memperlihatkan standar, transom dan ukuran jarak transom dan putlog

KOLOM C adalah berisi gambar scaffolding **TAMPAK ATAS**.

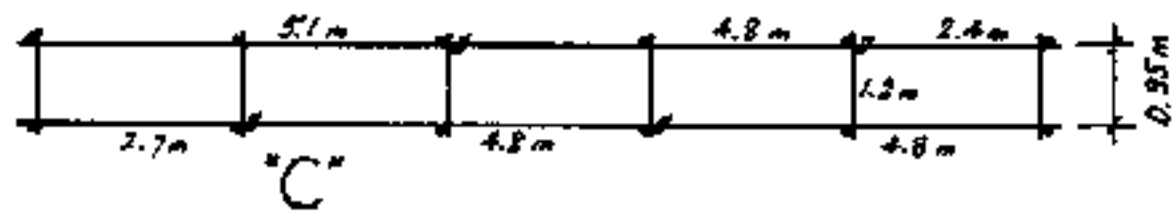
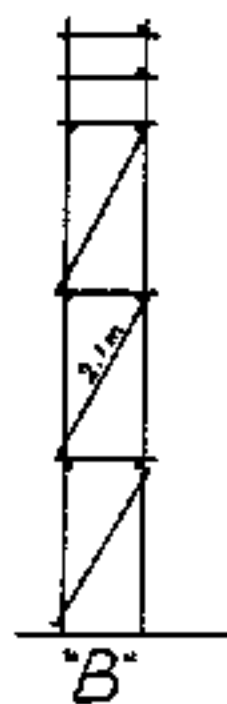
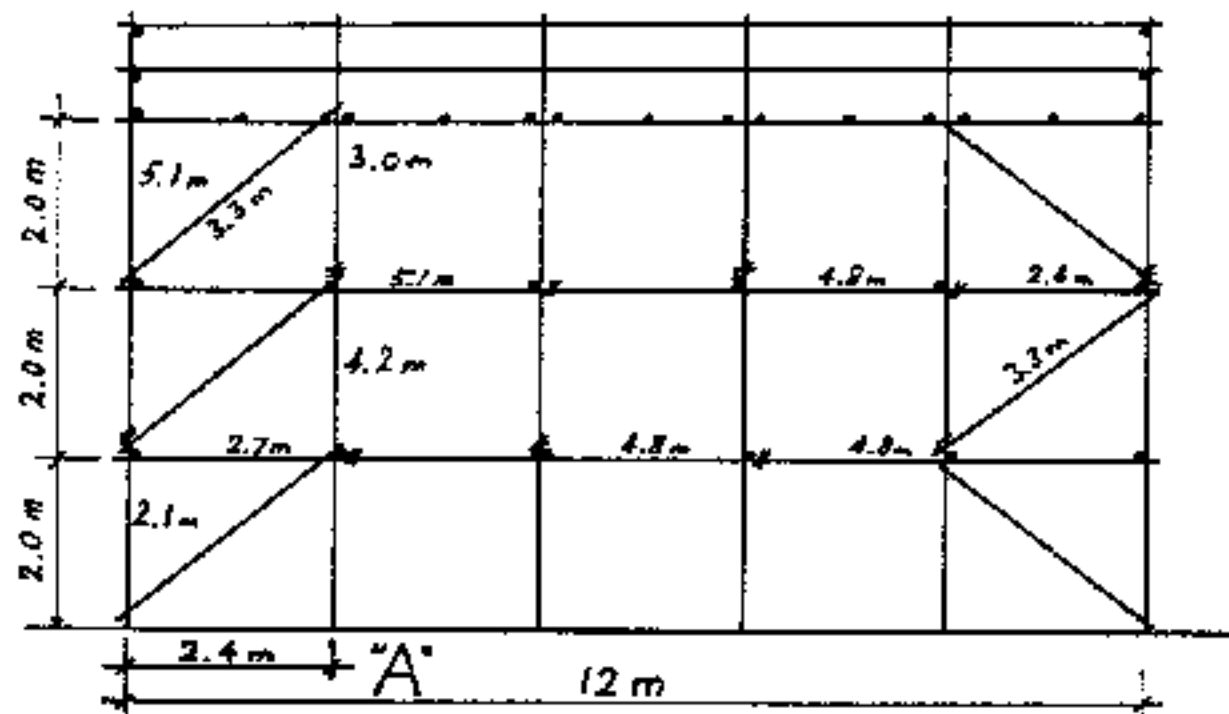
Memperlihatkan Ledger dan sambungan Ledger, dan ukuran transom

KOLOM D adalah berisi **KETERANGAN GAMBAR**, yaitu: Jenis Scaffolding, Beban Kerja Scaffolding, Lokasi Pembangunan, Nama Proyek, Dll.

contoh



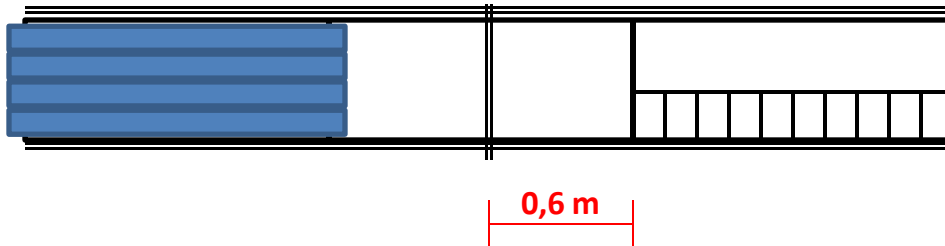
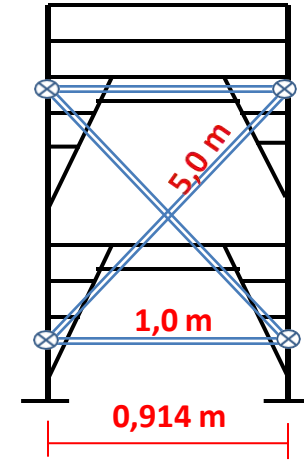
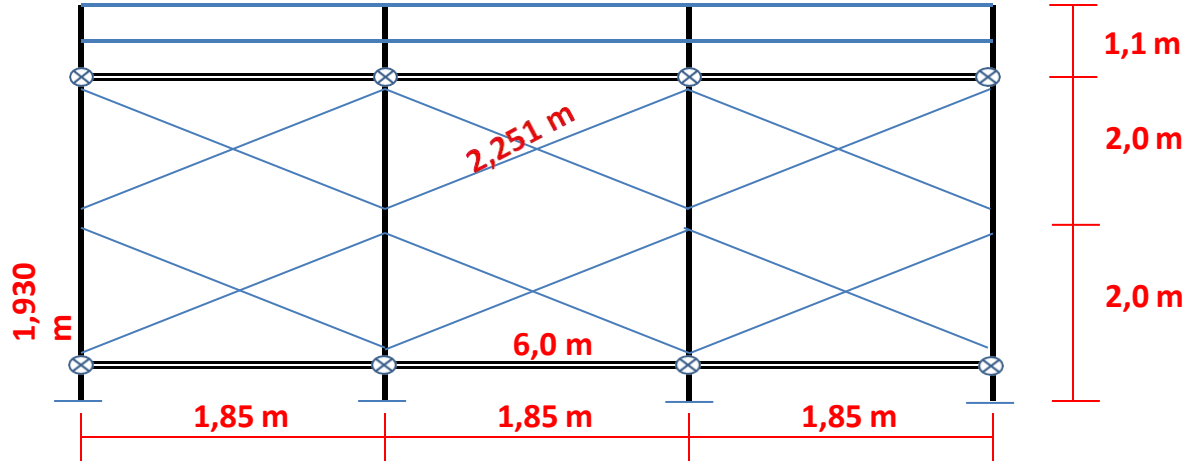
PT. UDAY
SCAFFOLDING
TUBE&COUPLER
Medium Duty (3 Lift 4Bay)
Workshop
Pengantian Filter Blower



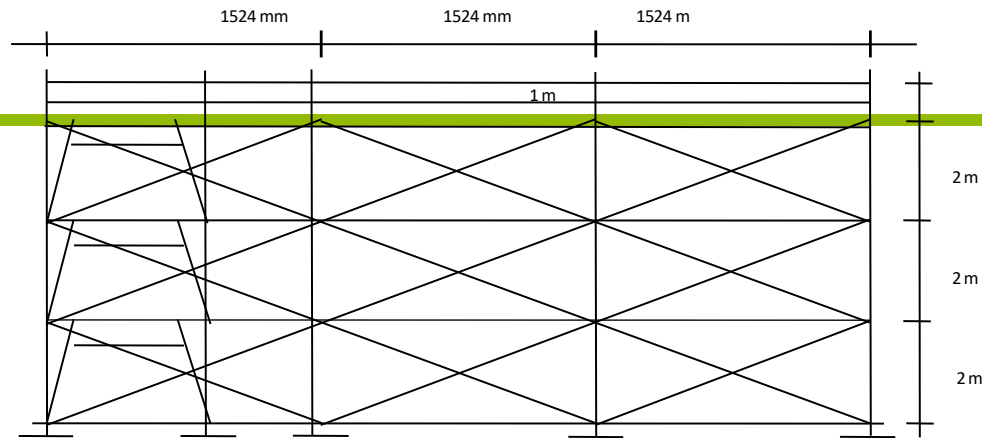
"D"

Contoh :

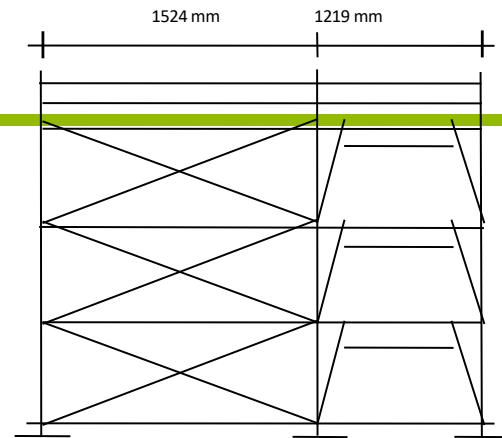
Tampak Depan



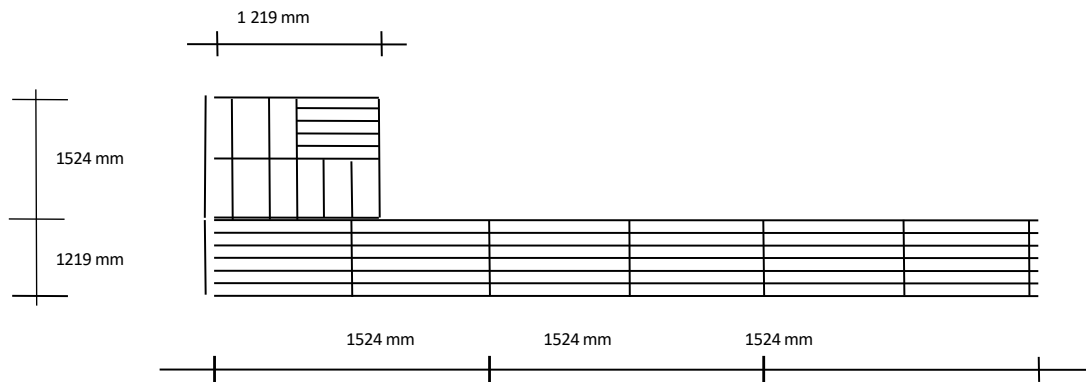
Indepentent Frame Scaffolding
3 Bay 2 Level
Pengecatan Dinding Office



Depan



Samping



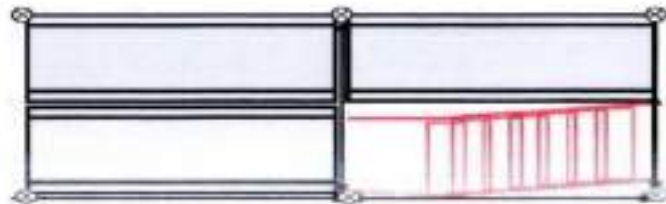
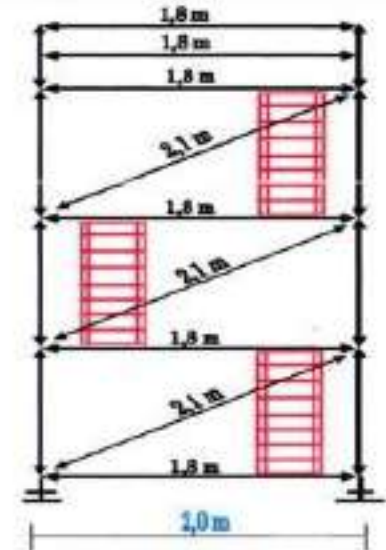
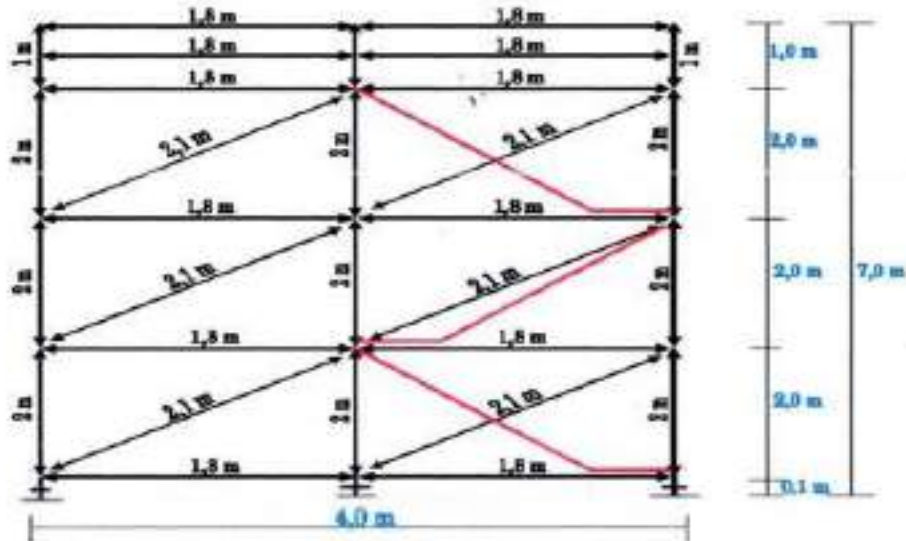
Atas

**Scaffolding Frame
Heavy Duty**

4 (empat) bay

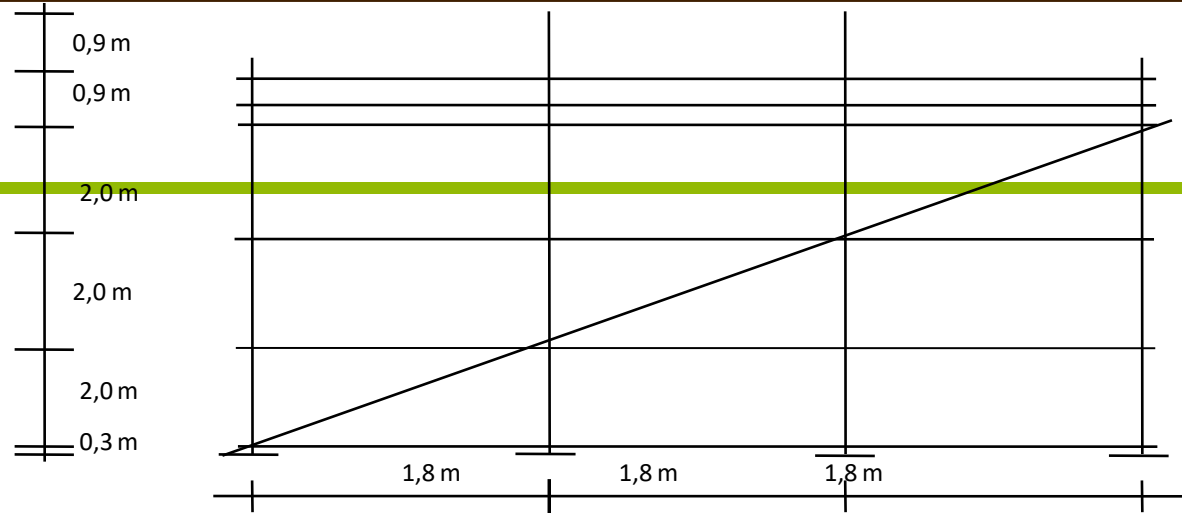
3 (tiga) lift

Contoh Gambar Modular

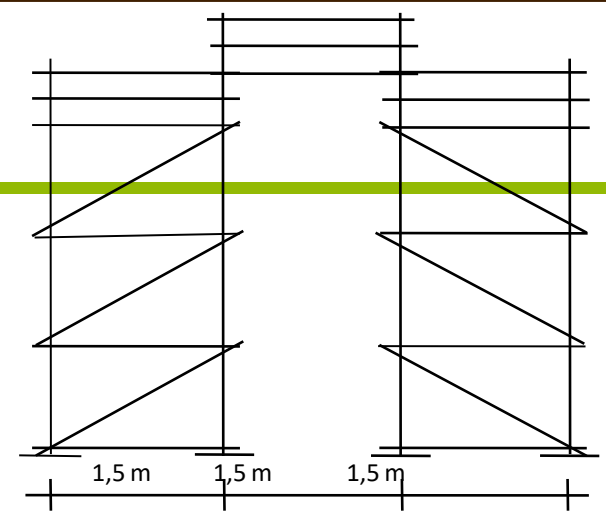


Modular Scaffolding
2 Bay 3 Lift

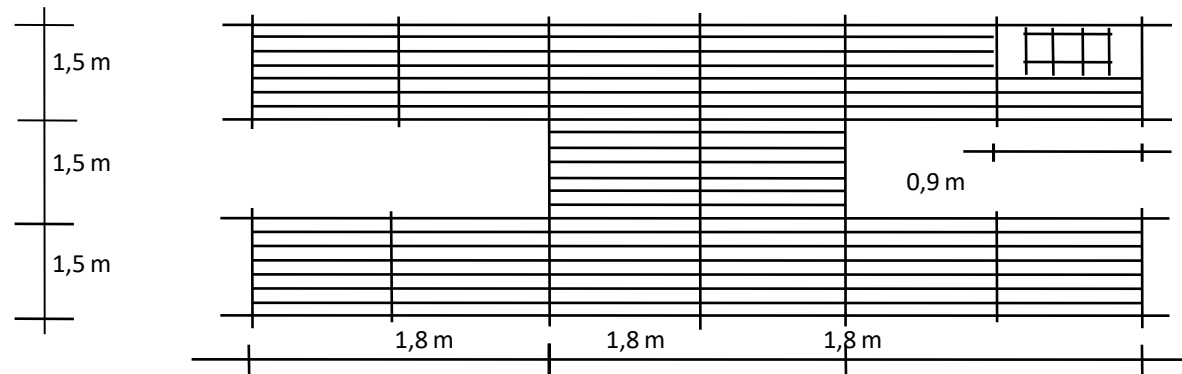
PT. Nestle Indonesia
Lampung



Depan



Samping



Atas

Scaffolding Independent

Heavy Duty

6 (enam) bay

3 (tiga) lift

PELATIHAN SUPERVISOR SCAFFOLDING KEMNAKER RI

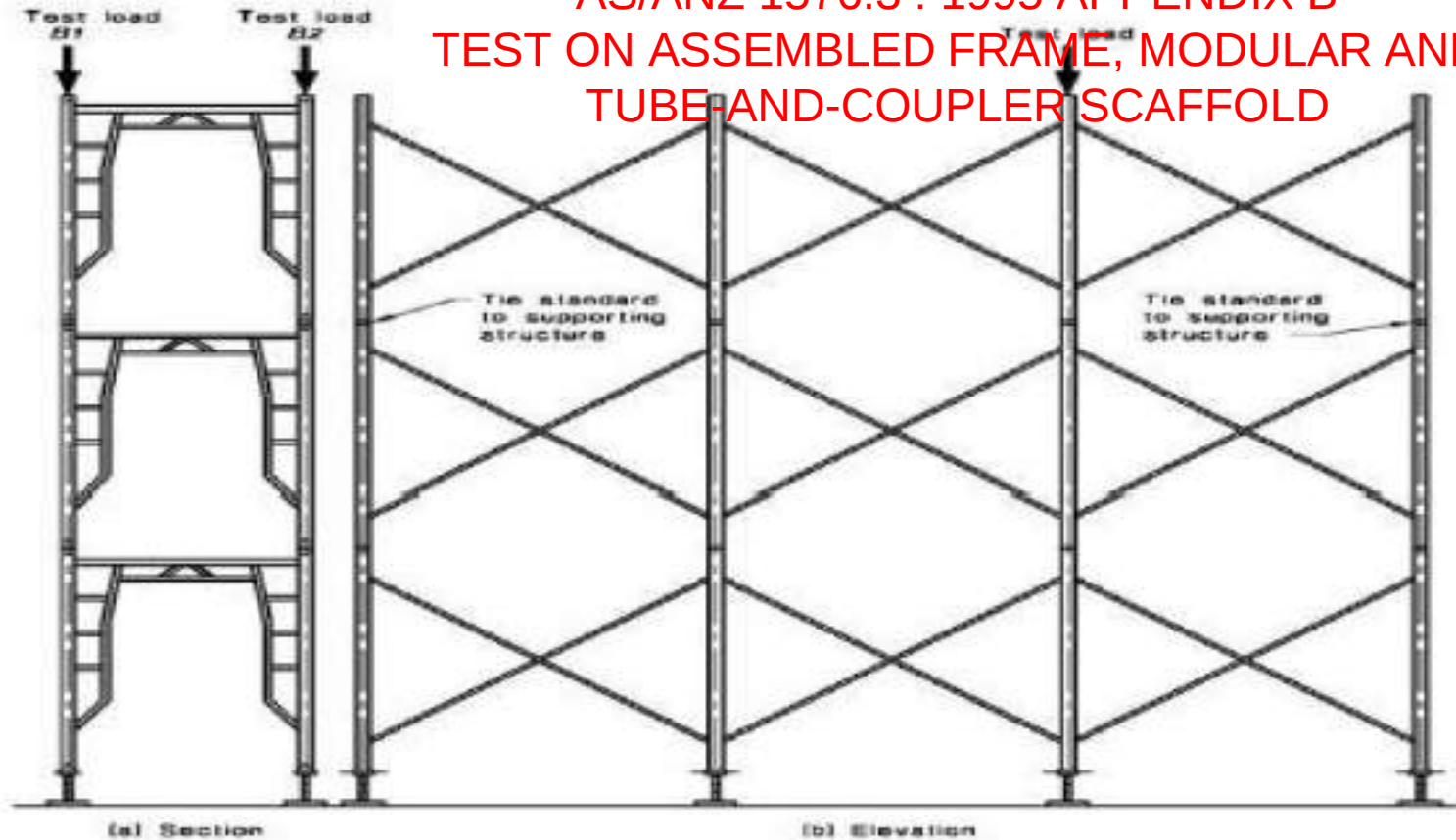
4																		Tonnage :	641.011
5	Nama :	Spv Scaffolding Kemnaker																Date :	
6	Module No :																	Crew ID :	
7	Foreman / Spv :																	Scaffold Req. Number :	
8																			
9	No	SCAFFOLD TUBE	QTY	Weight/Kg	Total	No	MODULAR SCAFFOLD	QTY	Weight/Kg	Total	No	FITTINGS	QTY	Weight/Kg	Total				
10	1	0.3		1.35	0	48	Topper Standart		1.55	0	103	Screw Jacks		6.1	0				
11	2	0.6		2.7	0	49	Standart 0.5m		5.02	0	104	Toe Board Clip		0.75	0				
12	3	0.8		3.76	0	50	Standart 1.0m		6.45	0	105	Screw Jacks - Swivel		5.8	0				
13	4	1.0		4.05	0	51	Standart 1.5m		9.49	0	106	Toe Board Clip and Bay		1	0				
14	5	1.2		5.4	0	52	Standart 2.0m		12.15	0	107	Double - Coupler		1.1	0				
15	6	1.5		6.75	0	53	Standart 2.5m		14.82	0	108	Swivel - Coupler		1.3	0				
16	7	1.8		8.1	0	54	Standart 3.0m		17.49	0	109	Putlog - Half/ Single		0.7	0				
17	8	2.0		9.45	0	55	Standart 2.0m Trim		9.45	0	110	Putlog - Hook		0.7	0				
18	9	2.5		10.8	0	56	Standart Acces Gate		8.81	0	111	External Joiner		1.3	0				
19	10	2.7		12.15	0	57	Ledger 0.7m		3	0	112	Internal Joiner		1.2	0				
20	11	3.0		13.5	0	58	Ledger 1.2m		5	0	113	Gravlock Beam Clamp		1.6	0				
21	12	3.3		14.85	0	59	Ledger 1.5m		6.4	0	114	Swivel Beam Clamp		1.6	0				
22	13	3.6		16.2	0	60	Ledger 1.8m		6.89	0	115	Reducing Double		1.25	0				
23	14	4.0		17.55	0	61	Ledger 2.4m		9.3	0	116	Reducing Swivel		1.25	0				
24	15	4.2		18.9	0	62	Ladder Acces Gate		10.6	0	117	U-Head jack		8.7	0				
25	16	4.5		20.25	0	63	Swing arm gate L/H		2	0	118	Well Tie Bracket		2	0				
26	17	4.8		21.6	0	64	Swing arm gate R/H		2	0	119	Limpet Clamp/ Board Dura Deck		0.5	0				
27	18	5.0		22.95	0	65	Ledger/Transom 1.8m		25.5	0	120	Slab Post		5.4	0				

PEMBAGIAN MENURUT AS / NZS 1576.1

1. BEBAN BERAT – HEVY DUTY = 675 Kg
2. BEBAN SEDANG – MEDIUM DUTY = 450 Kg
3. BEBAN RINGAN – LIGHT DUTY = 225 Kg

SPECIFICATION	LIGTH DUTY	MEDIUM DUTY	HEAVY DUTY
TRANSOM	2.4 Meter	1,8 Meter	1.275 Meter
LEDGER	3.0 Meter	2,8 Meter	1.8 Meter
LIVE LOAD	225 Kg/ Bay	450 Kg/Bay	675 Kg/Bay

AS/ANZ 1576.3 : 1995 APPENDIX B
TEST ON ASSEMBLED FRAME, MODULAR AND
TUBE-AND-COUPLER SCAFFOLD



NOTE:

Test load B1 = $(2G + W) + 2(0.7Q)$

Test load B2 = $(2G + W) + 2(0.3Q)$

G = DEAD LOAD (Beban material)

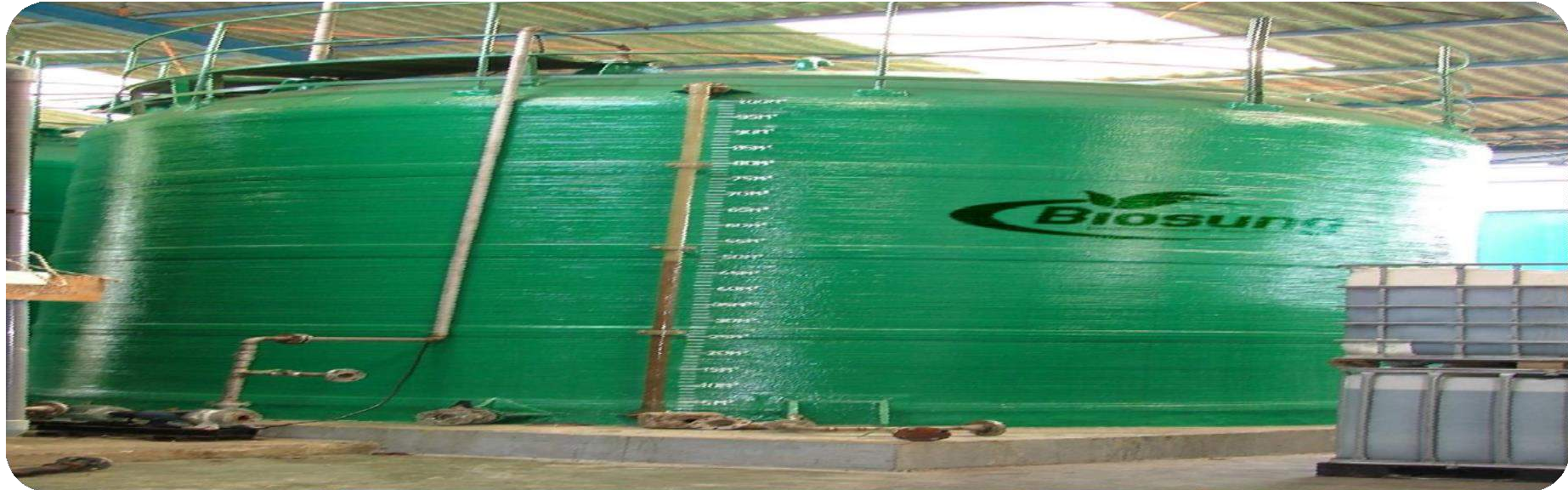
W = JUMLAH LIFT

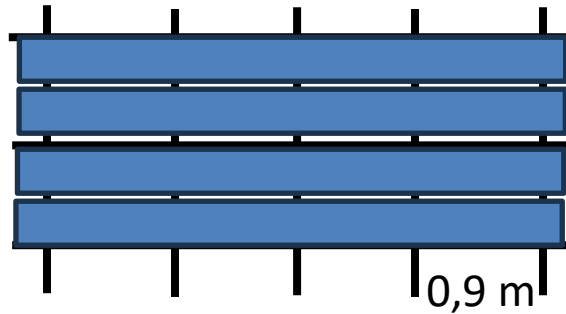
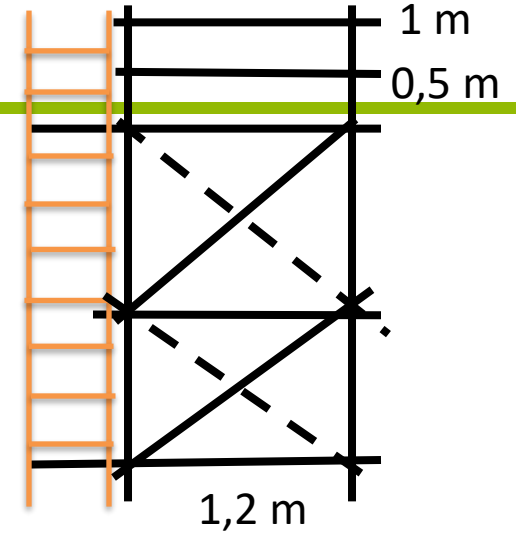
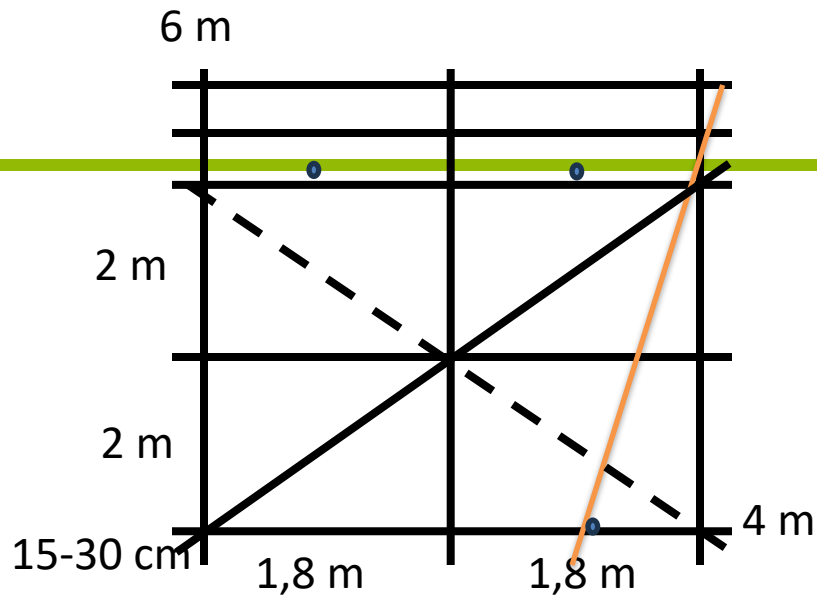
Q = LIVE LOAD (Heavy, medium, light)

FIGURE B1 TEST LOADING OF TYPICAL FRAME SCAFFOLD

Latihan Soal

PT. Excel akan melakukan pekerjaan perbaikan tangki **bagian depan** dengan akses dan pelantar kerja menggunakan scaffolding. Banyaknya pekerja yang akan melakukan pekerjaan berjumlah 9 orang, Jika panjang tangki $P = 3,6$ Meter dan tinggi $T = 4$ Meter . buatlah gambar perencanaan pemasangan





PT EXCEL
Perancah Pipa
Heavy Duty 675 kg (2 Lift, 2 Bay)
Workshop
Perbaikan Tangki