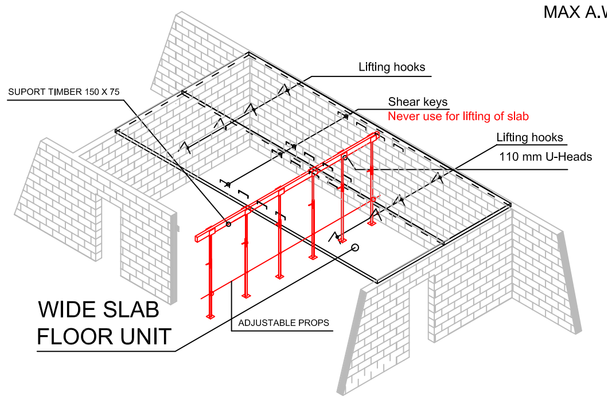
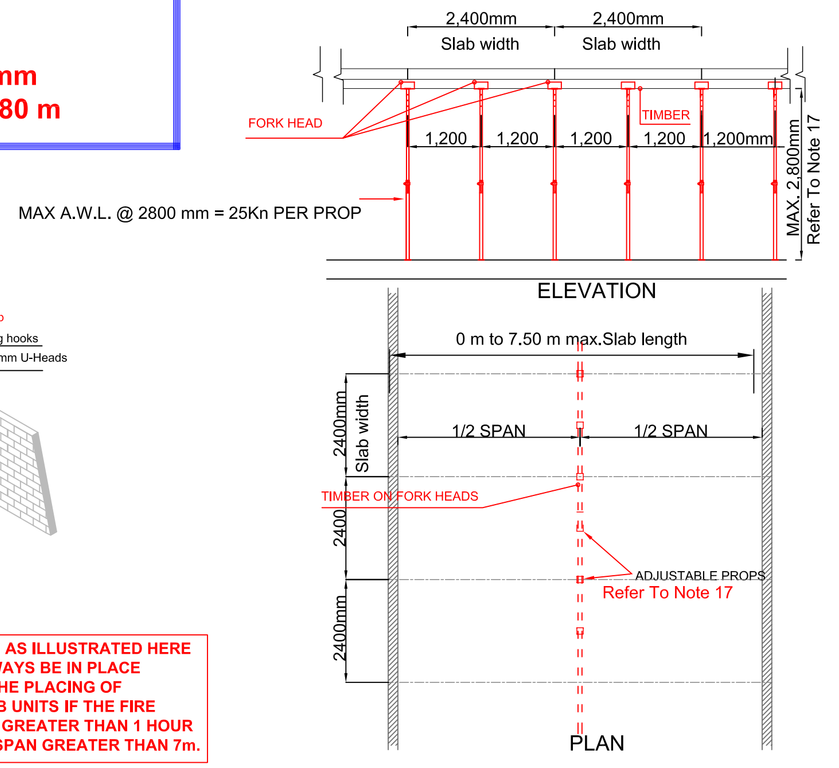
PROPPING INSTRUCTIONS

A

1 NO. PROP LINE
SLAB LENGTHS **UP TO 7.50 m**
FLOOR DEPTH **FROM 155 mm TO 175 mm**
FLOOR TO CEILING HEIGHTS **UP TO 2.80 m**





CLIENT TO ENSURE ADJUSTABLE PROPS ARE CONCENTRICALLY LOADED & LATERALLY RESTRAINED

PROPPING AS ILLUSTRATED HERE MUST ALWAYS BE IN PLACE BEFORE THE PLACING OF WIDE SLAB UNITS IF THE FIRE RATING IS GREATER THAN 1 HOUR AND THE SPAN GREATER THAN 7m.

B

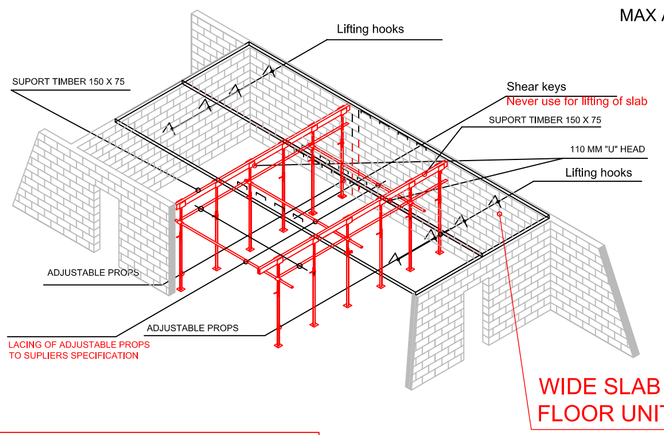
1 NO.PROP LINE
SLAB LENGTHS **UP TO 7.50 m**
FLOOR DEPTH **FROM 175 mm - 250 mm**
FLOOR TO CEILING HEIGHTS **UP TO 2.80 m**

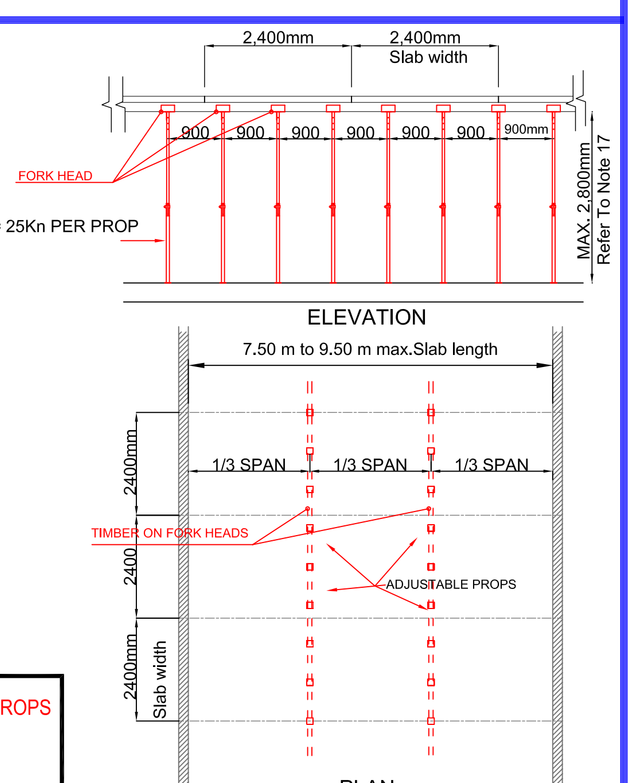
CLIENT TO ENSURE ADJUSTABLE PROPS ARE CONCENTRICALLY LOADED & LATERALLY RESTRAINED

PROPPING AS ILLUSTRATED HERE MUST ALWAYS BE IN PLACE BEFORE THE PLACING OF WIDE SLAB UNITS IF THE FIRE RATING IS GREATER THAN 1 HOUR AND THE SPAN GREATER THAN 7m.

C

2 NO. PROP LINES
SLAB LENGTHS **FROM 7.50 m UP TO 9.50 m**
FLOOR DEPTH **FROM 225 mm - 400 mm VOID**
FLOOR TO CEILING HEIGHTS **UP TO 2.80 m**



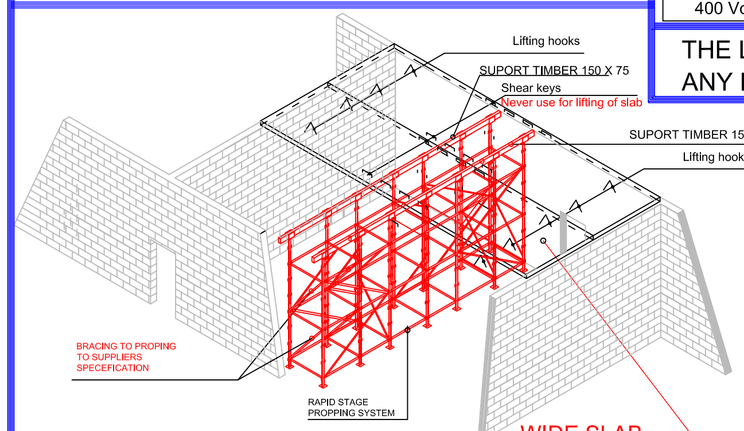


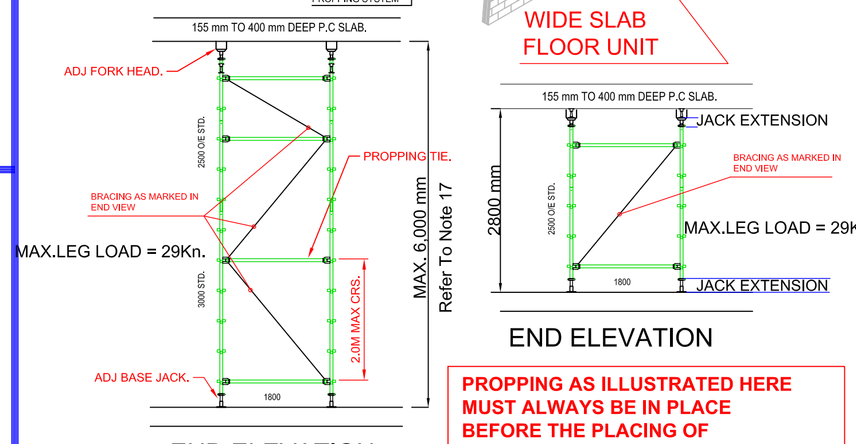
PROPPING AS ILLUSTRATED HERE MUST ALWAYS BE IN PLACE BEFORE THE PLACING OF WIDE SLAB UNITS

CLIENT TO ENSURE ADJUSTABLE PROPS ARE CONCENTRICALLY LOADED & LATERALLY RESTRAINED

D

1 NO.PROP LINE
WITH STAGING SUPPORTS
SLAB LENGTHS **UP TO 9.50 m**
FLOOR DEPTH **FROM 155 mm - 325 mm VOIDED**
FLOOR TO CEILING HEIGHTS
FROM 2.80 m UP TO 6.00 m

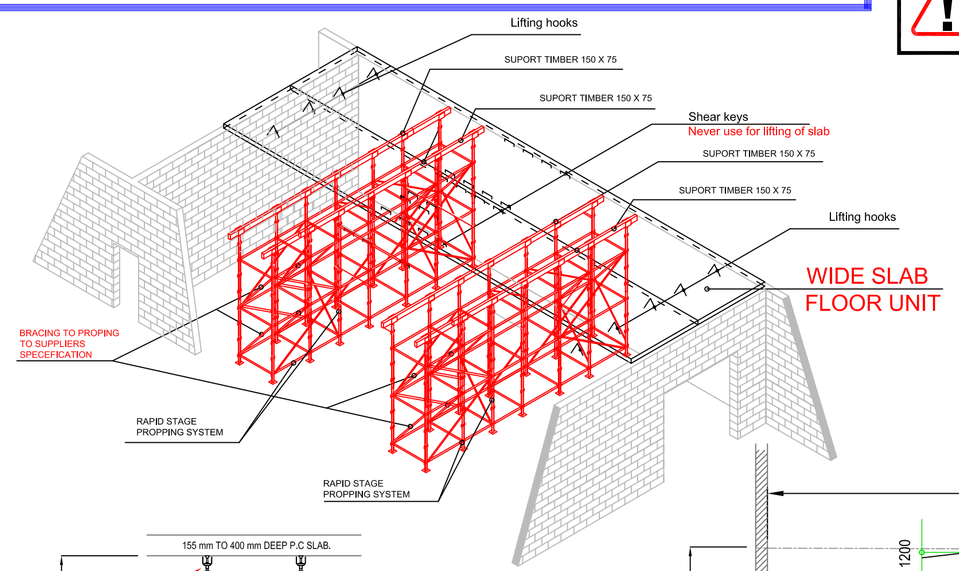


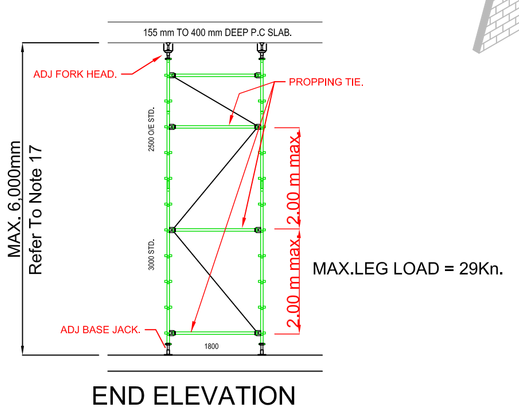


PROPPING AS ILLUSTRATED HERE MUST ALWAYS BE IN PLACE BEFORE THE PLACING OF WIDE SLAB UNITS (SLAB LENGTHS 7.5m - 9.0m)

E

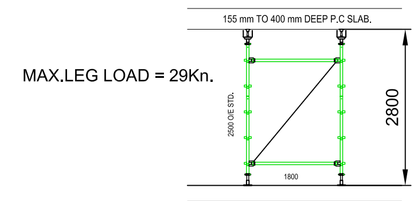
2 NO.PROP LINE
WITH STAGING SUPPORTS
SLAB LENGTHS **FROM 9.50 m UP TO 12.50 m**
FLOOR DEPTH **FROM 200 mm - 400 mm VOIDED**
FLOOR TO CEILING HEIGHTS **FROM 2.80 m UP TO 6.00 m**

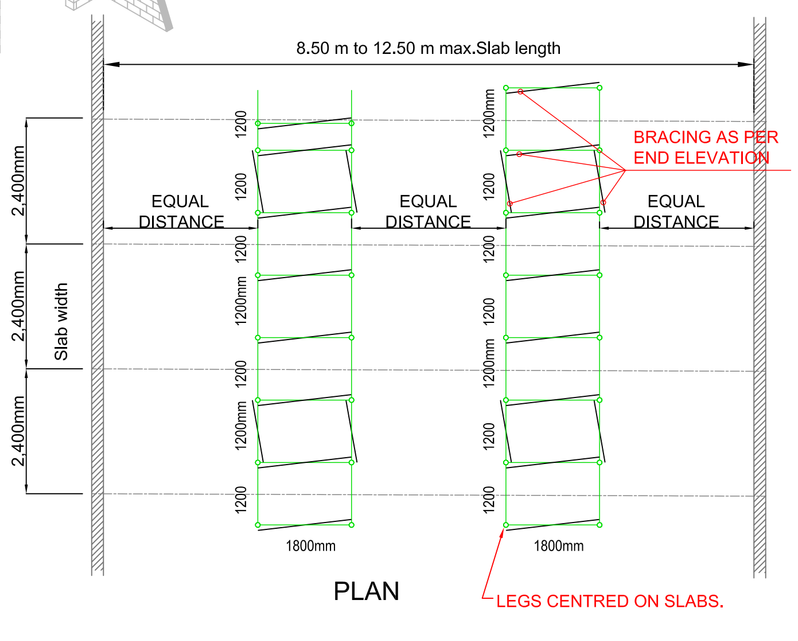




PROPPING AS ILLUSTRATED HERE MUST ALWAYS BE IN PLACE BEFORE THE PLACING OF WIDE SLAB UNITS

MAX HEAVYDUTY HEAD-JACK EXTENSION AT 29KN IS 350MM
MAX HEAVYDUTY BASE-JACK EXTENSION AT 29KN IS 400MM
OTHERWISE USE JACK BRACING





LOAD - SPAN TABLE

No.of Prop Lines	**1 No.** Prop Line Prop at 1/2 Span			**2 No.** Prop Lines Prop at 1/3 Span				
Span of Slab [m]	**0 - 5.5**	**5.5 - 6.5**	**6.5 - 7.5**	**7.5 - 8.5**	**8.5 - 9.5**	**9.5 - 10.5**	**10.5 - 11.5**	**11.5 - 12.5**
Floor Depth [mm]	**Unfactored Prop Line [KN/m run]**							
155	11.2	*	*	*	*	*	*	*
175	11.7	13.8	*	*	*	*	*	*
200	13.4	15.8	18.3	*	*	*	*	*
225	15	17.8	20.5	19.6	21.9	*	*	*
250	16.5	19.7	22.7	21.3	23.8	*	*	*
275 Voided	*	*	*	20.4	22.8	25.2	*	*
300 Voided	*	*	*	21.3	23.8	26.3	28.8	*
325 Voided	*	*	*	22.1	24.7	27.3	29.9	*
350 Voided	*	*	*	*	*	28.4	31.1	*
375 Voided	*	*	*	*	*	29.4	32.2	35
400 Voided	*	*	*	*	*	30.5	33.4	36.25

THE LOADS CONTAINED IN THIS TABLE DO NOT INCLUDE FOR ANY LOAD THAT MAY BE ASSOCIATED WITH BACK- PROPPING

NOTES

1. THIS DRAWING WAS PRODUCED WITH R.M.D. KWIKFORM AND IS BASED ON THE USE OF THEIR ADJUSTABLE PROP SYSTEM AND THEIR RAPID STAGE PROP SYSTEM.
   SHOULD YOU DECIDE TO USE AN ALTERNATIVE PROPPING SYSTEM, PLEASE ENSURE THAT IT IS ADEQUATELY DESIGNED TO CARRY THE LINE LOADS AS INDICATED ON OUR LOAD / SPAN TABLE.
2. FLOOR UNITS SHOULD NOT BE SUBJECTED TO ANY LOADING UNTIL PROPS ARE IN PLACE
3. THIS DRAWING MUST NOT BE SCALED, ONLY FIGURED DIMENSIONS ARE TO BE WORKED TO
4. BEARING:- UNITS TO BE LAID ON A TRUE AND LEVEL BEARING, GENERALLY THE MINIMUM BEARING TO BE:
   75 mm ON CONCRETE OR STEEL
   90 mm ON BLOCK WORK
5. PROPPING AS ILLUSTRATED IN EXAMPLE "C" AND "E" EXAMPLE "C" AND "E" PLACING OF WIDE SLAB
6. NO ADDITION TO, OR VARIATION OF, THESE PROPOSALS WHICH COULD AFFECT THE USE OR PERFORMANCE OF RMD - KWIKFORM EQUIPMENT SHALL BE MADE WITHOUT REFERENCE TO THE TECHNICAL OFFICE OF RMD - KWIKFORM.
7. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT THE RMD KWIKFORM EQUIPMENT AND OTHER LOAD BEARING ITEMS ARE ADEQUATELY SUPPORTED AND BRACED DURING ALL STAGES OF USE ON SITE.
8. RESPONSIBILITY FOR AND CERTIFICATION OF THE CORRECT ERECTION OF THIS EQUIPMENT SHALL BE THAT OF THE ERECTOR OF THE PROPPING EQUIPMENT.
9. THE AREA THAT YOU ARE PROPPING OFF MUST BE CAPABLE OF SUPPORTING WITHOUT DEFLECTING THE LOADS AS PER OUR LOAD-SPAN TABLES TOGETHER WITH THE SELF WEIGHT OF THE PROPPING SYSTEM. THIS MAY REQUIRE BACK PROPPING OF THE FLOORS BELOW.
   WHERE BASE JACKS ARE TO BE SUPPORTED BY THE GROUND, IT IS ESSENTIAL TO ENSURETHAT THE GROUND HAS ADEQUATE BEARINGCAPACITY AND THAT SUITABLE ARRANGEMENTSARE PROVIDED SAFELY TO SPREAD THE LOAD.
10. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT WORKING PLATFORMS OR MEANS OF ACCESS NECESSARY FOR SAFE ACCESS ARE PROVIDED WHETHER SHOWN ON THIS DRAWING OR NOT.
11. THE ARRANGEMENT OF RMD KWIKFORM EQUIPMENT SHOWN ON THIS DRAWING APPLIES ONLY TO THIS SPECIFIC APPLICATION.
12. A GENERIC METHOD STATEMENT FOR THE SYSTEM SHOWN CAN BE OBTAINED FORM YOUR REGIONAL RMD KWIKFORM OFFICE.
13. ADJUSTABLE PROPS MUST NOT BE ERECTED MORE THAN 1.5° OUT OF PLUMB
14. ALL PROPPING SYSTEMS MUST BE USED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
15. REMOVAL OF PROPS TO BE IN ACCORDANCE WITH TABLE 6.2 OF BS 8110 PART 1 1997.
    EXTRACT ONLY
    SURFACE TEMP +16°C MINIMUM PERIOD OF 10 DAYS
    SURFACE TEMP 0 TO +16°C MINIMUM PERIOD OF
    $\frac{250}{T C + 10}$ days
16. BACK PROPPING:
    (A) AFTER THE STRUCTURAL SCREED HAS REACHED SUFFICIENT STRENGHT IN ACCORDANCE WITH BS 8110 PART 1 1997, THE PROPPING SYSYEM MAY BE LOOSENED OFF TO ALLOW THE FLOOR TO STRUCTURALLY SETTLE. THE PROPPING SYSTEM SHOULD THEN BE TIGHTENED UP AGAIN TO ACCOMMODATE BACK PROPPING LOADS, IF REQUIRED.
    (B) IF THE SECOND FLOOR IS TO BE PROPPED OFF THE FIRST FLOOR, PRIOR TO THE FIRST FLOOR STRUCTURAL SCREED REACHING SUFFICIENT STRENGHT IN ACCORANCE WITH BS 8110 PART 1 1997, THEN THE PROPPING SYSTEM FOR THE FIRST FLOOR **MUST** BE DESIGNED AND ERECTED TO ACCOMMODATE THIS BACK-PROPPING LOAD IN ADDITION TO THE PROPLINE LOAD INDICATED ON OUR DRAWINGS AND LOAD-SPAN TABLE. THE SAME IS TRUE FOR SUBSEQUENT FLOORS.
    (C) THE INFORMATION CONTAINED IN (A) AND (B) ABOVE ARE GUIDELINES. **ALL** BACK PROPPING SHOULD BE CARRIED OUT UNDER THE STRICT DIRECTION OF THE PROJECT SUPERVISOR DESIGN STAGE AND SPECIALIST FALSE-WORK SUB-CONTRACTOR/SUPPLIER.
17. PROPS MUST BE SET AT A LEVEL SUCH THAT THE SLAB PRE-CAMBER AT MID-SPAN IS :
    BEARING LEVEL + (SPAN (m) x 1mm)
18. **IF IN DOUBT, ASK ! !**

Application Notes : PROPPING SYSTEM A,B & C.

1. The RMD structure has been designed only to support vertical loads shown. The customer must verify the correctness of these loads.
2. The customer is to ensure that foundations can adequately resist loads shown.
3. Unless stated otherwise the RMD structure is designed as fixed at the head, ie, the supported structure can withstand any applied horizontal loading
4. RMD cannot accept responsibility for the assessment of the state or condition of the fabric shown supported as this involves matters beyond RMD knowledge.

Product Notes : KWIKSTAGE SHORING, SYSTEM D & E.

1. Unless otherwise stated, ensure standards are plumb, shoring ties are horizontal and wedges are fully engaged. Position Trigger Bracing with the progress of work.
2. Maximum lift heights shall not exceed dimensions shown. Unless indicated to the contrary ensure shoring ties in both directions meet at a common set of V pressings.
3. Maximum tilt angle for Sloping Base Boots (19372), Sloping Base Units (19373) and Sloping Head Units (19383) is 30°. On bases it is the customer's responsibility to provide suitable restraint against sliding.
4. Ensure that jack bracing is properly connected to standards and that jacks are plumb. Tighten coupler in accordance with standard practice.
5. Ensure the pivot axis of tilt units lie perpendicular to the greatest slope.
6. For further information see Kwikstage Erection Guide, data sheets or contact RMD Kwikform Technical Office.

R·M·D KWIKFORM ENGINEERING

RMD KWIKFORM - IRELAND
PHONE: 01 830 2500
FAX: 01 830 2741

FLOOD FLOORING LTD.
TEL. 049 8541477
FAX. 049 8541311
OLDCASTLE , CO. MEATH.

DR.NO. L 775 / 01 REV B NOVEMBER 2002

REVISION DETAILS

NOVEMBER 2003	NOTE 15 REVISED
JUNE 2004	NOTE 16 +17 ADDED