



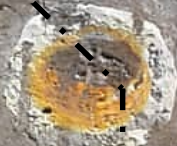
## HC Precast System Mock-up Panel

**“ Water Penetration Test between Wet Joint  
& Precast Wall Panel ( LDW 70 ) ”**

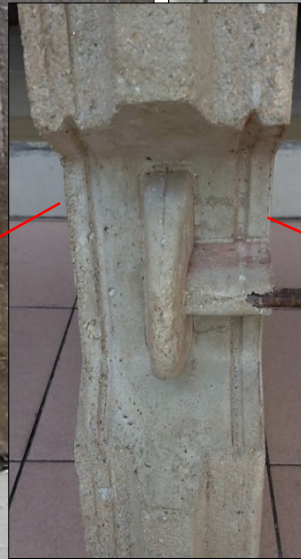
Test by Reputable Company from Japan

- 15th & 16th November 2019

**(After 24 hours)**



Modular share keys

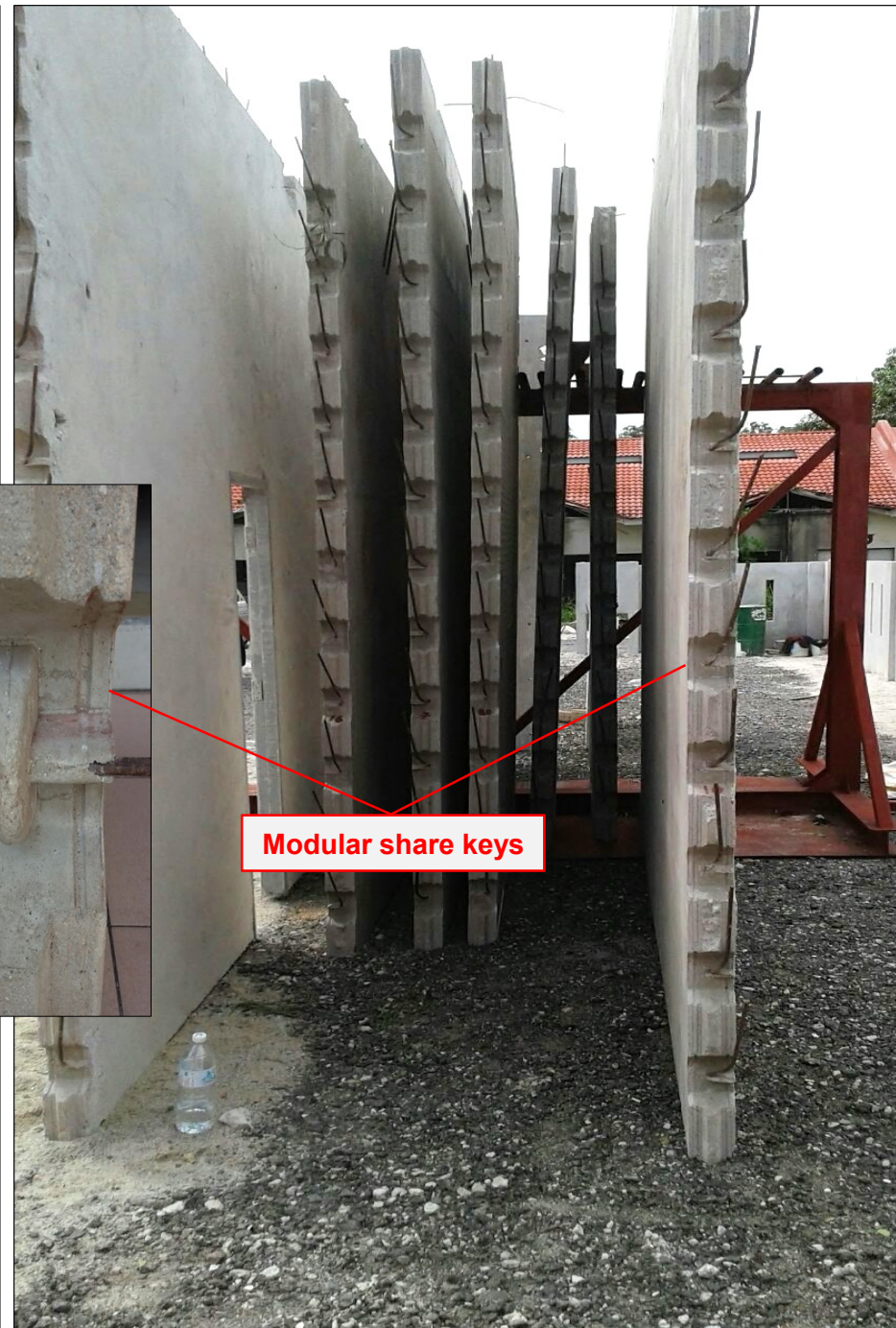


Modular share keys

**“ One Stop Solution Specialist in supply and install  
Superstructure (frame & wall) ”**

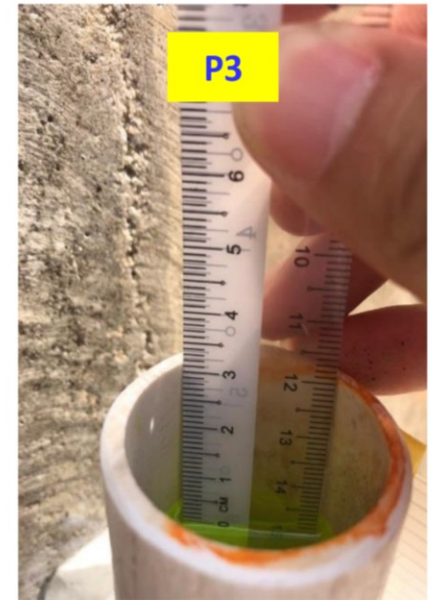
- Loadbearing Monolithic wall System
- Wet joints with Modular shear keys
- Box System







### 3. Water Penetration Test Result after 24hours (Day 2: 16 Nov 2019 Time: 3pm)



Test Sample	Day One	Day Two (After 24 hours)
Sample P1	25mm	26mm (Loss 1mm)
Sample P2	25mm	28mm(Loss 3mm)
Sample P3	25mm	31mm(Loss 6mm)
Benchmark (BM)	25mm	26mm (Loss 1mm)



# WATER PENETRATION TEST

## DATE: 15-16 NOVEMBER 2019





### 3. Water Penetration Test Sample Location





## 1. Water Penetration Test Samples (Preparation)

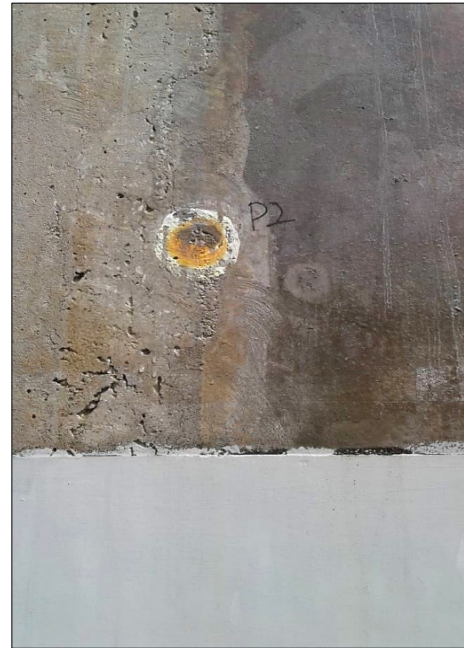


## 2. Water Penetration Test Set-up (Day 1: 15 Nov 2019 Time: 3pm)



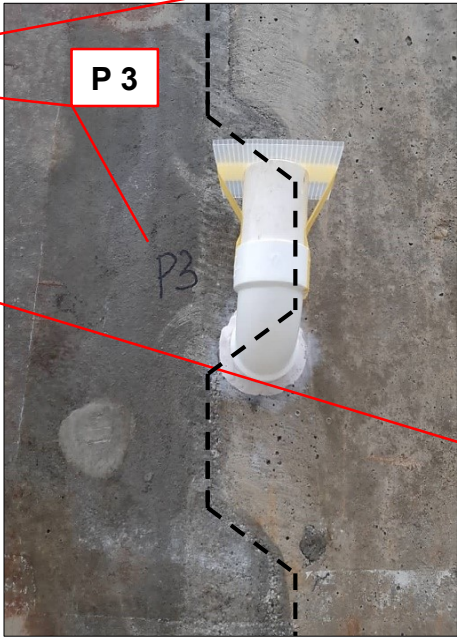
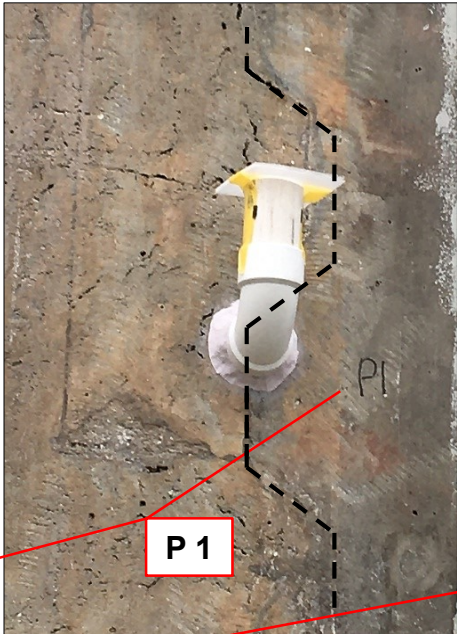


**16<sup>th</sup> November 2019 (After 24 hours) : Cleaning up after reading taken**





HC Precast System Mock-up Panel : **Water Penetration Test between Wet Joint & Precast Wall Panel ( LDW 70 )**  
Test by Reputable Company from Japan - 15th & 16th November 2019







**Training unit 12 years without any covering & waterproofing**



**16<sup>th</sup> November 2019 (After 24 hours) : - Arrival of Guest from Reputable Company from Japan**









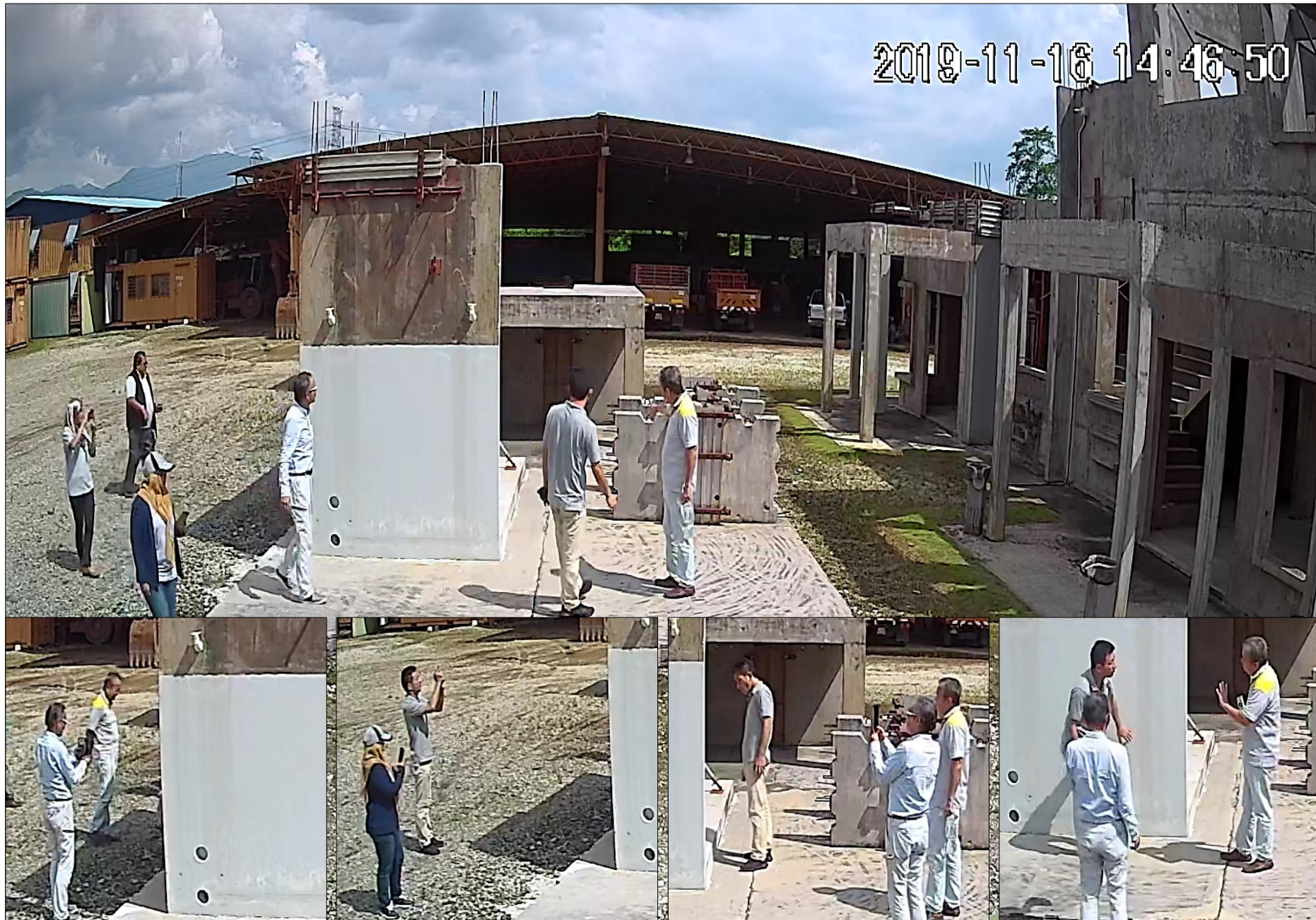




**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection of Any Leaking Before Taking Water Level Reading**

















**16<sup>th</sup> November 2019 (After 24 hours) : - Briefing on HCPS's Modular Shear Keys to avoid leaking & cracks**





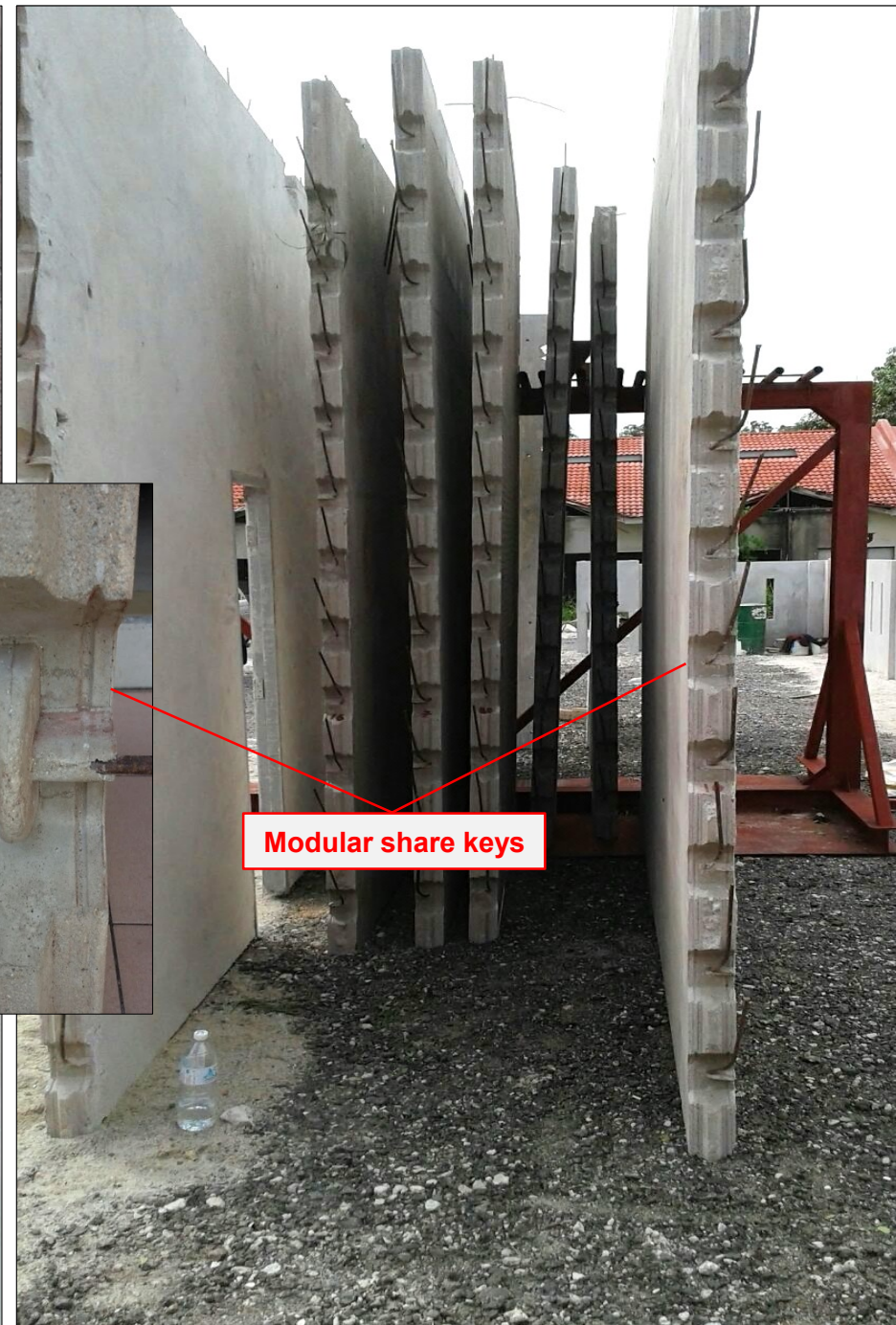
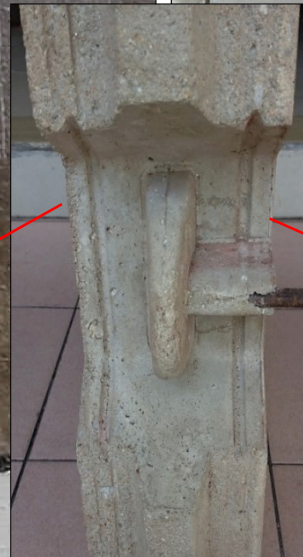
**16<sup>th</sup> November 2019 (After 24 hours) : - Briefing on HCPS's Modular Shear Keys to avoid leaking & cracks**





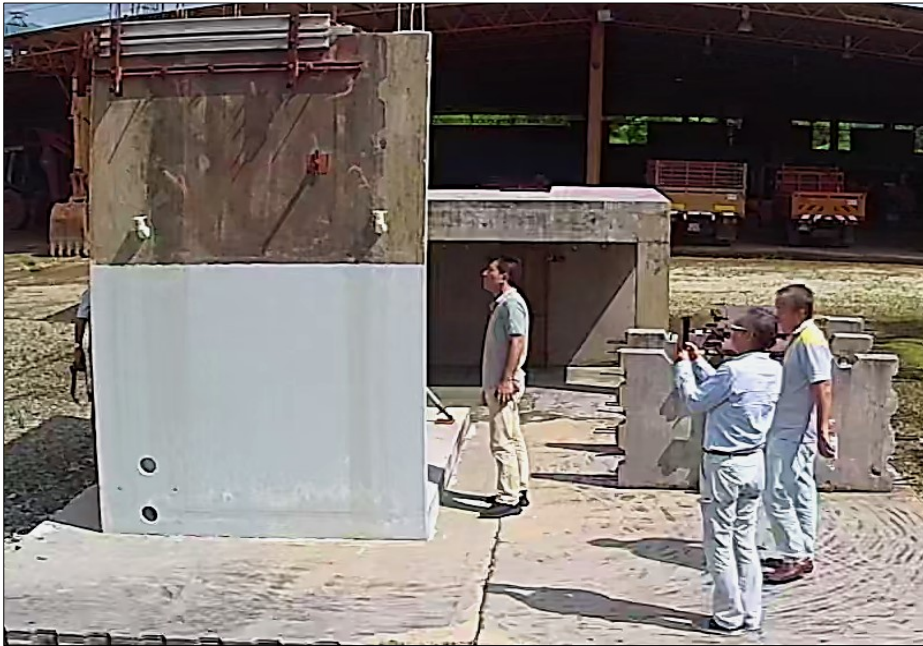








**16<sup>th</sup> November 2019 (After 24 hours) : - Briefing on HCPS's Modular Shear Keys to avoid leaking & cracks**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**





2019-11-16 14:57:13

Training unit 12 years without  
any covering & waterproofing





**16<sup>th</sup> November 2019 (After 24 hours) : - Arrival of Guest from Reputable Company from Japan**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection of Any Leaking Before Taking Water Level Reading**



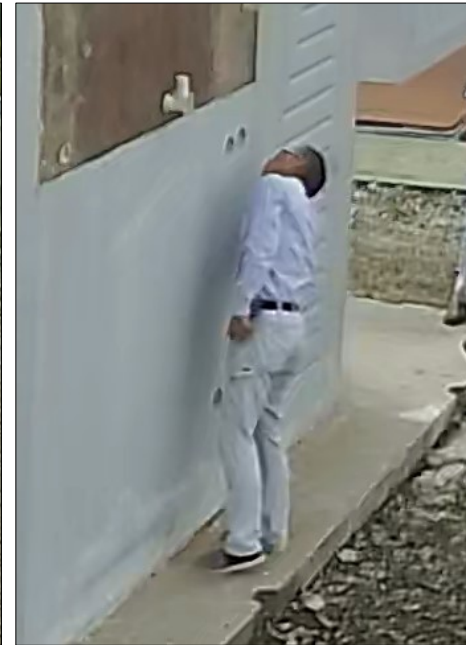


2019-11-16 14:54:04

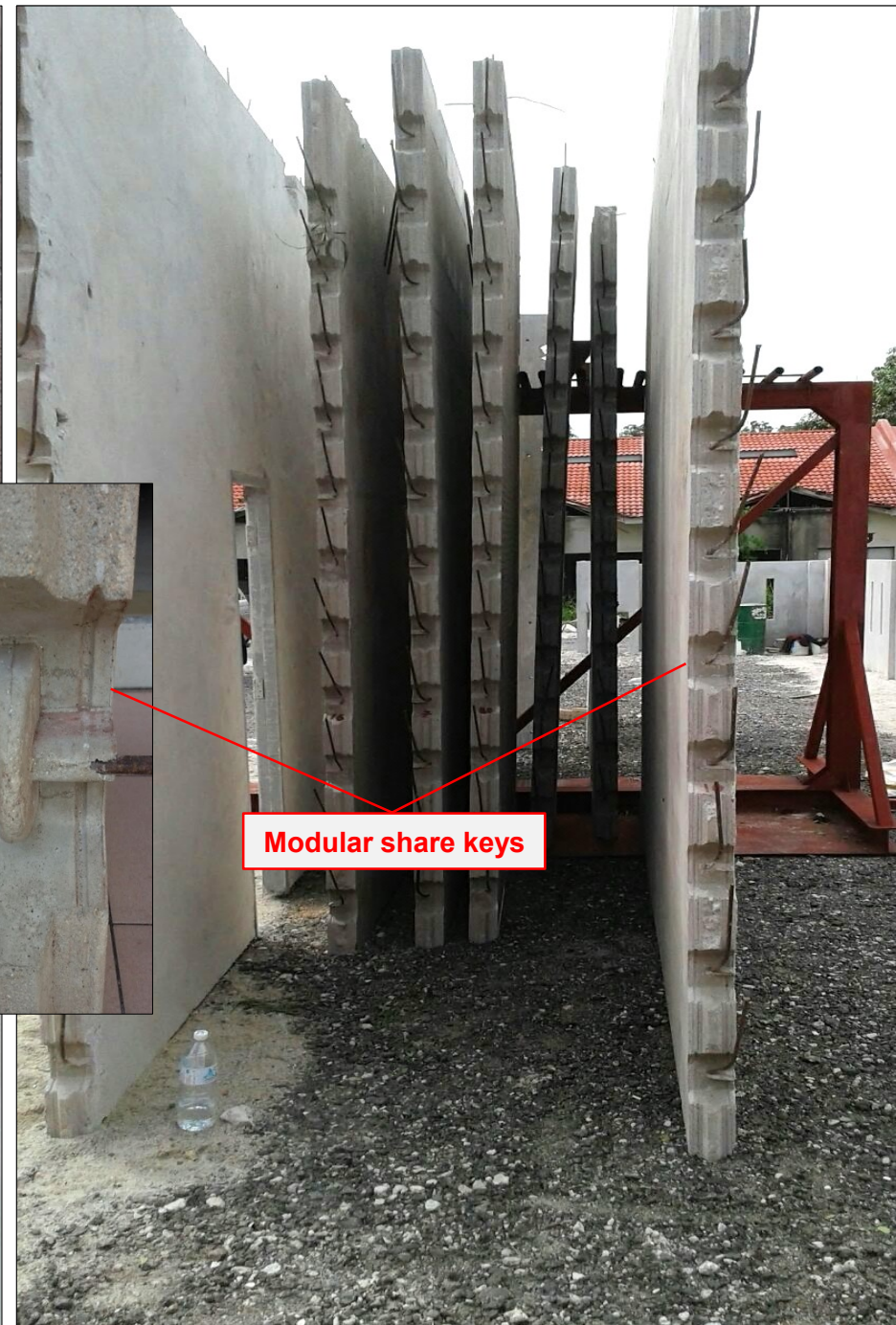
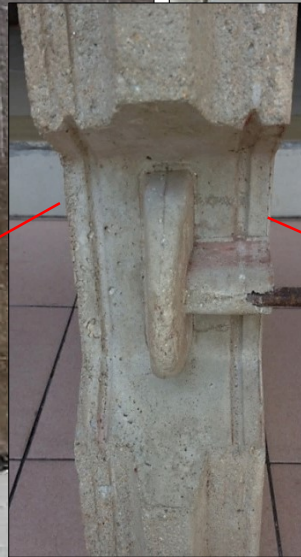




**16<sup>th</sup> November 2019 (After 24 hours) : - Briefing on HCPS's Modular Shear Keys to avoid leaking & cracks**

















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2019-11-16 14:54:06









**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**



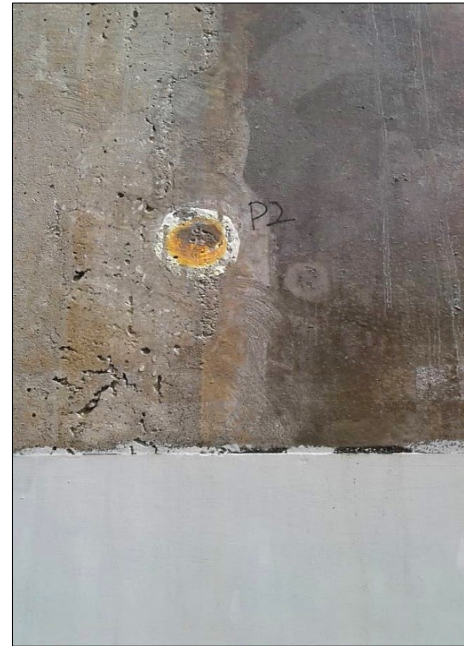


**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**



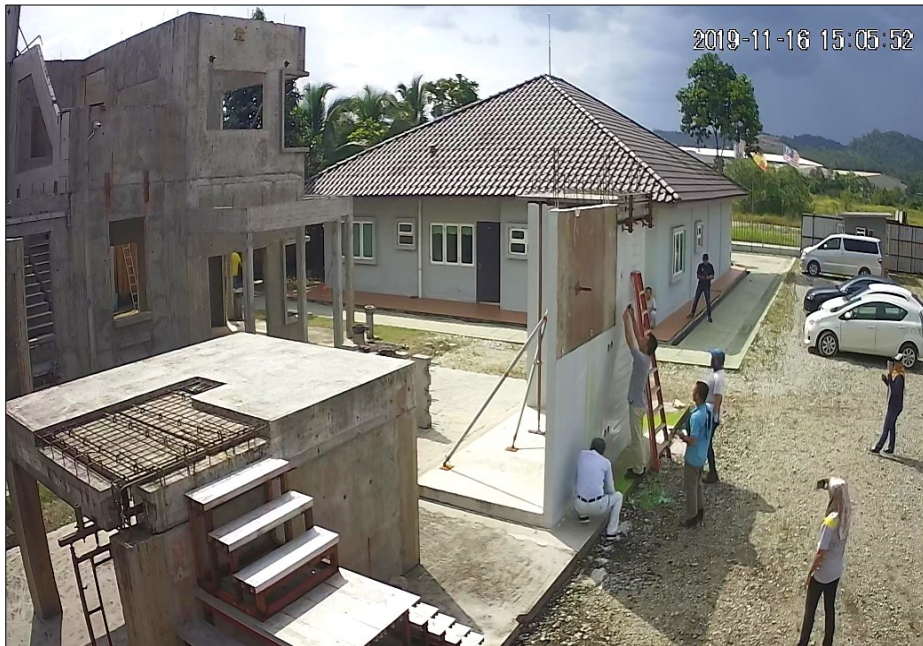


**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Water level reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





**16<sup>th</sup> November 2019 (After 24 hours) : - Cleaning up after reading taken**





2019-11-16 15:13:17













**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection on HCPS's Modular Shear Keys to avoid leaking & cracks**













**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection After Dismantle of Water Penetration Tools**



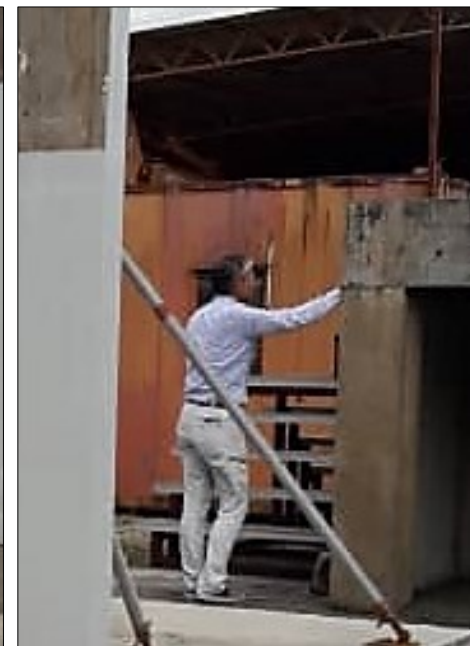


**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection After Dismantle of Water Penetration Tools**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection After Dismantle of Water Penetration Tools**









**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection After Dismantle of Water Penetration Tools**





**16<sup>th</sup> November 2019 (After 24 hours) : - Inspection After Dismantle of Water Penetration Tools**





2019-11-16 15:19:33





**16<sup>th</sup> November 2019 (After 24 hours) : - Guest Leaving upon Completion of Water Penetration Test**





**16<sup>th</sup> November 2019 (After 24 hours) : - Guest Leaving upon Completion of Water Penetration Test**







THANK YOU

