

Construction Management of the Jordan School Expansion Project (JSEP) and the Schools for a Knowledge Economy Project (SKEP)

8	Mohannad Abu Irshaid	Deputy Chief of Manager	Dijlah
9	Tharwah Malkawi	Site Engineer	Dijlah

B. QUALITY, SCHEDULE AND H&S FINDINGS CHECKLIST

(For any "No" answer in this section, the Observer shall provide a narrative explanation in Section C. of this Report including corrective action requested) **NA-Not Applicable, DC-Didn't Check**

	<u>Construction Contractor</u>	<u>Supervisory Engineer</u>
A. <u>SITE DOCUMENTATION</u>		
1. Drawings and Specifications on site? (Y/N)	Y	Y
2. CC Safety Plan on site? (Y/N)	Y	Y
3. CC QC Plan on site? (Y/N)	Y	Y
4. Shop Drawings up to date? (Y/N)	Y	Y
5. Request for Information/Inspection up to date? (Y/N)	Y	Y
6. Sampling and Testing Tracking Log? (Y/N)	Y	Y
7. Hard copy files neat and up to date? (Y/N)	Y	Y
8. Inspector's Daily Journal up to date? (Y/N)	Y	Y
9. Non-Conformance Report up to date? (Y/N)	Y	Y
B. <u>SCHEDULE</u>		
10. SE has up to date CC Schedule on site? (Y/N)		Y
11. CC has up to date CC Schedule on site? (Y/N)	Y	
C. <u>EXIT OBSERVATIONS</u>		
12. What time does CC start work each morning on average?	7 ½ AM	
13. What time does CC stop work each day on average?	4 ½ PM	
14. What is the average # of hours worked each day?	8 Hrs	

C. DESCRIPTION OF FINDINGS

(State if fact or opinion. Use attachments, maps, sketches if necessary)

A. SITE DOCUMENTATION

- All site documentations are available and up to date

B. HEALTH & SAFETY

- Site security : There is a gate for the construction site
- There is a site visitors book at entrance and hygiene station

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C. GENERAL QUALITY OBSERVATIONS

- The proposed building's foundations is completed
- Boundary wall North-West side is done
- Boundary Wall North-East side is 90% completed
- Preparation works for the slab on grade
- 90% of ground beams is completed

D. SCHEDULE

- % of work completed : 17% of work is completed
- Avg # of workers : 35 workers/day
- The constructions work is on schedule

E. STATUS OF UTILITY CONNECTIONS / OTHER OUSTANDING ISSUE

1. Water Supply: Not Connected
2. Wastewater: Not Connected
3. Electricity: Not Connected
4. Other Issue: As per Jerash Municipality plans, there will be a street with 10 meters width will adjacent to the Boundary Wall. As per design drawings the southern side of the boundary wall will be located at 5 meters inside the street planned by the Municipality (It is a discrepancy between the Designs and Municipality plans). This will delay the construction of external works and boundary wall

ATTACHMENTS – as marked below

1. **QUALITY CHECKLIST**
2. MEETINGS / INSPECTION MINUTES
3. HEALTH & SAFETY ATTACHMENT

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E. PHOTOS



FIGURE #01:
Project ID Sign on site.

Photo credit: Osama Obeid
Feb 9, 2021

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*FIGURE #02&03:
The School consists of
five floors with total
surface area of 5400
sq.m, in addition to other
site works of total surface
4520 sq.m.
The proposed building's
foundations is completed.*

*Photo credit: Osama
Obeid
Feb 9, 2021*

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FIGURE #04:
North-West side of the boundary wall is completed.

Photo credit: Osama Obeid
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FIGURE #05:
North-East side of the boundary wall is 90% completed.

Photo credit: Osama Obeid
Feb 9, 2021

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FIGURE #06 &07:

Cartonal sheet s and bitumen coats applied to foundations.

Preparation works (Backfilling) for the slab on grade. Ground beams is ongoing.

*Photo credit: Osama Obeid
Feb 9, 2021*

Trigon Quality Field Trip Report Attachment

Notes:

Date: Feb 9,2021
 School Name: Hay Al Iskan Basic Mixed School
 Location: Jerash
 Program / Phase / Package: SKEP, Phase III, Pk 2
 Prepared by: Mohammad Sami Ali-Ahmad

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
A. Excavation				
B. Backfilling				
C. SubStructural, Concrete, Foundations				
1	Steel Bar			
2	Footings			
3	Ground beams			
4	Tie beams			
5	Column neck			
6	Column			
7	waterproofing(Insulation)			
8	Slab on grade			
D. SuperStructural, Concrete, Masonry works				
1	Columns			
2	Beams			
3	Slabs			
4	Roof			
5	Hollow Concrete Block (internal)			
6	Hollow Concrete Block (external)			
7	C-Channel			
8	Clading Natural Stones			
9	Electrical conuits/ sleeves			
10	Mechanical pipes/sleeves			
E. Civil Works				
1	Access /Gates			
2	Steel Doors			
3	Wooden Doors			
4	Aluminum Windows			
5	Plastering (Internal)			
6	Plastering (External)			
7	Wall Paint			
8	Ceiling Paint			
9	Wall tiles			
10	Floor tiles (Internal)			
11	External Floor tiles (Interlock /Stone)			
12	Cabinetry			
13	Lab Furniture			
14	Ceiling and roof system			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
15	Facades, Roof parapet			
16	PVC			
17	Carpet			
18	Expansion joint			
19	Roof insulation (waterproofing membrane)			
F. Electrical Works				
1	Wiring - conduits			
2	Electrical sockets			
3	Lighting fixtures			
4	Electrical Distribution Board			
5	Fire Alarm System			
6	Public Address			
7	Air Conditioning Units			
8	CCTV			
9	Manhole			
10	Electrical Earthing			
11	Wall Fan			
12	Elevator			
13	Electrical Room			
G. Mechanical Works				
1	Rest Rooms, Toilets, WC			
2	Wall tiles			
3	Floor tiles			
4	Water Mixer			
5	Water Cooler			
6	Boiler,HVAC,Pumps			
7	Drainage			
8	Manholes, Clean-outs			
9	Fire Extinguisher			
10	Ventilation, AC Duct			
11	Emergency shower			
12	Septic Tank			
H. External Works				
1	Boundary walls	Y	Plastering is in progress	Curing must be done according to specs
2	C-Channel Finishings			
3	Fence			
4	Epoxy paint			
5	Landscaping			
6	External Paint			
7	Football/ Basketball Playground			
8	Sand playground for KG			
9	Plants area			
10	Car Park/Asphalt			

Disclaimer: Trigon field trip reports include information and findings based upon those parts of the construction sites we visit. Our visits and our contract scope of work do not include Trigon to carry out first tier Quality Control/Assurance, i.e., reviewing submittals, drawings and specifications, reviewing contract compliance, or in any way carrying out close supervision of the works. Therefore our field-trip reports include cursory quality, health & safety and schedule information and its entry on our reports is intended to provide the reader only with a sense of our general observations of that part of the job site we have visited