

Design Review
Ministry of Energy and Water-Dormitory and Kitchen/Dining Hall Buildings for Training Center
drawings dated March 13, 2010
WO-A-0021

Response Legend
A - Agree
D - Disagree
O - Out of scope
AE - Agree with exception

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ARCHITECTURE COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
A-1	NMA/VV	GENERAL	Add a typical Legend, abbreviation, sheet index to the set			
A-2	NMA	GENERAL	Add appropriate scales to detail titles and scale bars to the drawing sheets.			
A-3	NMA/VV	GENERAL	Add a reflected ceiling plans for coordination purposes			
A-4	VV	GENERAL	Check spelling and formatting on all pages.			
A-5	VV	A-01	Add grid bubbles to the new buildings on site plan to ease locating the buildings.			
A-6	VV	A-01	Provide unique section callout numbers to reduce confusion with other A, B, C sections.			
A-7	NMA/VV	A-02 & A-03	Add dimensions to locate windows in reference to column lines			
A-8	NMA	A-02 & A-03	Are the building entrances and exits accessible as shown or do ramps need to be added?			
A-9	NMA/VV	A-02 & A-03	Need more dimensioning and plan details. Add dimensions to locate doors- what size are the doors?			
A-10	NMA	A-02 & A-03	Provide Building Code and Construction Data on the floor plans with the following information (at a minimum): construction class, use group, height and area limitations, fire resistance ratings, design occupant load, egress requirements			
A-11	NMA/VV	A-02 & A-03	References doors and windows for details- schedules			
A-12	NMA	A-02 & A-03	Columns and bearing walls are hatched, add that to the Legend			
A-13	NMA/VV	A-02 & A-03	Label and number each room input information in Finishing Schedule.			
A-14	NMA/VV	A-02 & A-03	Is there a way to make the second floor accessible? Are elevators available? Make provisions for a future elevator.			
A-15	NMA	A-02 & A-03	Show Life Safety plans to address occupant load based on area and occupancy (show room areas)			
A-16	NMA	A-02 & A-03	Show Life Safety plans address travel distances			
A-17	NMA	A-02 & A-03	Egress width of stairs, corridors and doors to be shown to accommodate occupant load.			
A-18	NMA	A-02 & A-03	Show front exterior door with sidelights in door.			
A-19	NMA/VV	A-02 & A-03	Per IBC 708 and 1017 corridor walls can be fire partitions. Distinguish between different types of fire rated walls.			
A-20	NMA/VV	A-02 & A-03	Key in building elevations and section tags to floor plans			
A-21	NMA/VV	A-02 & A-03	Incorrect window type symbol is being used (why use V1 instead of W1?) or is one a veil?			
A-22	NMA/VV	A-02 & A-03	Complete dimensions for stairways & handrails			
A-23	NMA	A-02 & A-03	Dimension balconies and label high and low points.			
A-24	NMA	A-02 & A-03	Label rooms with names and room numbers- reference this in finish schedule			
A-25	NMA	A-02 & A-03	How is access to the roof provided for routine maintenance?			
A-26	NMA	A-02 & A-03	Reference toilet rooms to sheet A-04			
A-27	NMA/VV	A-02 & A-03	Front exit doors required to swing out			
A-28	NMA/VV	A-02 & A-03	Show railings on balconies and front stoop			

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ARCHITECTURE COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
A-29	NMA	A-02 & A-03	Provide material callout of pieces in room.			
A-30	VV	A-02 & A-03	Locate Mechanical Spaces			
A-31	VV	A-02 & A-03	Is a dryer needed in the Laundry?			
A-32	VV	A-02 & A-03	In electrical plans- show outlets for computer desks in center of rooms			
A-33	VV	A-02 & A-03	Stairwell enclosure to meet 2 hour requirements on all floors.			
A-34	NMA/VV	A-04	Identify toilet partition types- floor mounted? Is there a floor drain? Is the floor sloped for washing?			
A-35	NMA	A-04	Consider one shower and one toilet to be Handicap accessible			
A-36	NMA	A-04	Consider showing toilet room Interior Elevations			
A-37	NMA	A-04	Show toilet accessories; toilet paper holder, mirrors, towel bars, towel paper holder, etc.			
A-38	NMA/VV	A-04	What is the door made of? What size are the doors?			
A-39	NMA	A-04	Label and specify Water Heaters.			
A-40	NMA	A-04	Consider adding a privacy screen wall to toilet entrance door and to exterior windows.			
A-41	NMA	A-05	Column lines are numbered wrong.			
A-42	NMA	A-05	Detail A-1, specify the thickness of the Insulation layer (Isogam).			
A-43	NMA	A-05	Add more dimensions to Stairways, floor to floor height, window sill, railing height, balconies, etc.			
A-44	VV	A-05	Handrail and guardrail in stair to meet code requirements in height and spacing.			
A-45	VV	A-05	Provide Tempered Glass in Windows in Stairwell			
A-46	VV	A-05	Detail A-2- not accurately depicting conditions and ground location			
A-47	NMA	A-05	The drawing seems to be incomplete. Needs more details and cross references.			
A-48	NMA	A-06	See comments above for drawing A-05			
A-49	VV	A-06	Provide interior elevation in Dorm rooms			
A-50	NMA	A-07	Elevations need more work; show floor to floor height, balconies and railing heights, finish material, window types, door types, cross references to details, etc.			
A-51	NMA	A-07	Show foundation and footings in dashed line.			
A-52	NMA	A-07	Show column lines grid.			
A-53	NMA	A-07	Specify the location, height and width of the Water Tank.			
A-54	NMA	A-08	See comments above for drawing A-06			
A-55	VV	A-07/ 08	Provide material callout on elevations.			
A-56	NMA	A-08 and A-09	Specify and detail the glass work at Stairways.			
A-57	NMA	A-10	Show the center line for roof slope.			
A-58	NMA	A-10	Suggest providing a roof access for maintenance.			
A-59	NMA	A-10	Show the building profile in dash lines below roof parapets.			
A-60	NMA	A-10	Label roof drains and provide details and flashing.			
A-61	NMA	A-10	Show details of roof parapets			

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ARCHITECTURE COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
A-62	VV	A-10	What is the fascia and soffit material?			
A-63	VV	A-10	Locate Water tank from grid lines.			
A-64	VV	A-10	Why is one column showing through the roof along grid H?			
A-65	NMA	A-10	Calculate roof rain water and check the size and numbers of the roof drains.			
A-66	NMA	A-11	How is the Tank supported on the roof? What is the weight of the tank with full capacity? Has the structure below designed for the load? If yes, where is the detail?			
A-67	NMA/VV	A-12 and A-13	Septic Tank and Soakage pit design is the responsibility of a Civil Engineer. How does water get in and out? Please check the design with a Civil Engineer.			
A-68	NMA/VV	Schedule of Finishing	What is the finishing for CORRIDOR?			
A-69	NMA/VV	Schedule of Finishing	Consider special moisture paint for Bathrooms.			
A-70	NMA	Schedule of Finishing	How is the tank filled with water? Show location of supply line. How is the tank cleaned?			
A-71	VV	Finish Schedule	Provide room names and corresponding room numbers for clarity			
A-72	NMA	Schedule of Finishing	Check words spelling and formatting.			
A-73	VV	Schedule of Finishing	What is a Dado?			
A-74	NMA	Schedule of Finishing	What are the sizes, color, and finishing of the Ceramic tiles.			
A-75	NMA/VV	GENERAL	Provide enlarged plans for Stair 1 also as Stair 2 SIM with dimensioning and a section OPP HAND			
A-76	NMA	GENERAL	Consider adding stair detail to show the non-slip nosing and the specific dimensions of the treads and risers.			
A-77	NMA	GENERAL	Per IBC 1009.5.2 Outdoor stairways need to be designed so that water does not accumulate - I do not see this addressed. This needs to be detailed.			
A-78	NMA	GENERAL	Layout of stairs is not clear.			
A-79	NMA	GENERAL	Per IBC 1009.10 Stairways shall have handrails on both sides. It does not appear on these stairs.			
A-80	NMA	GENERAL	Stair railing not shown and balcony handrails to be - per IBC			
A-81	NMA	GENERAL	Window and door details are lacking			
A-82	NMA	GENERAL	Title blocks are not consistent.			
A-83	NMA	GENERAL	Are roof parapets a concern in this seismic zone?			
A-84	NMA	GENERAL	Drawing is incomplete. Lines are missing on the plan, titles and scales are missing or incorrect. Elevation and wall section tags are incorrect. Door details are referenced that are not in the set of drawings.			
A-85	NMA	GENERAL	Wall sections?			

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ARCHITECTURE COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
A-86	VV	GENERAL	Need more details of the building: window details, door details, roof details.....			
A-87	NMA	GENERAL	Roof details?			

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STRUCTURAL COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
S-1	JZ	GENERAL	Suggest adding titles or labels for drawings for clarity and easy reference			
S-2	JZ	GENERAL	Not clear on what type of wall construction is. Need connection detail between wall and concrete framing (beams, columns and footings)			
S-3	JZ	GENERAL	Not clear on what codes are used as basis of design. Suggest adding code references to the general notes			
S-4	JZ	GENERAL	If stone masonry is used as foundation wall, please check to see if it is allowed by the building code. Please check stone masonry's ability to resist seismic and wind loads.			
S-5	JZ	GENERAL	If unreinforced brick masonry is used as walls, please check to see if it is allowed by the building code. Please check unreinforced brick masonry's ability to resist seismic and wind loads.			
S-6	JZ	GENERAL	Missing slab on grade to wall joint detail			
S-7	JZ	GENERAL	Missing construction and contraction joint details and location of these joints.			
S-8	JZ	GENERAL	Suggest using uniform text sizes and uniform dimension sizes.			
S-9	JZ	GENERAL	For easy reference: suggest adding detail section cuts on the plans with reference to the drawings where the details are located			
S-10	JZ	GENERAL	Please specify "roughened surface" at construction joints of rc columns to footings. Typical similar locations.			
S-11	JZ	GENERAL NOTES	G40 reinforcing steel with yield strength of 2800 kg/cm ² is specified. G60 astm 615 reinforcing steel with yield strength of 4218 kg/cm ² is commonly used in Afghanistan. Please double check availability of g40 and g60 reinforcement.			
S-12	JZ	GENERAL NOTES	Suggest adding design loads to the general loads			
S-13	JZ	GENERAL NOTES	Clarify note 10. If aashto section is intended to be used as guidelines for soil compaction, please specify which aashto section.			
S-14	JZ	S-01	Footing f3: width of f3 is 375cm along grid b and 370cm along grid g. Please coordinate.			
S-15	JZ	S-02	Please clarify where section a-a and b-b locate			
S-16	JZ	S-03	Footing f-6: rebar on rcc wall plan conflict with rebar on footing section			
S-17	JZ	S-03	Footing f-6 section: please clarify what "h/6" is for.			
S-18	JZ	S-03	Please specify vertical wall reinforcement (wall vertical dowels) into footing and its embedment. Typical similar locations			
S-19	JZ	S-03	Please specify hook length of the wall vertical dowels into footing. If this is a standard 90 degree hook, please call out on the drawings "standard 90 degree hook typ.". Typical similar locations			

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STRUCTURAL COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
S-20	JZ	S-03	Footing f-5 section: instead of putting a short bar next to main reinforcing, please show column vertical dowels into footing spliced with column vertical rebar and specify splice length. Typical all similar locations.			
S-21	JZ	S-03	Add b. O. Ftg elevation. Typical all similar locations			
S-22	JZ	S-04	Footing f-1: rebar on section y-y conflict with rebar on reinforcement plan top layer (40ø20mm versus 38ø20mm). Please coordinate.			
S-23	JZ	S-04	Section y-y and section x-x conflict: which direction rebar is outside layer rebar for both top and bottom layer reinforcement? Typical all similar locations			
S-24	JZ	S-05	Are footing f-1 and f-2 the same?			
S-25	JZ	S-05	Footing width on footing f-2 plan is 424cm. Footing width on reinforcement plan top layer and bottom layer is 440cm. Please coordinate.			
S-26	JZ	S-06	Reinforcement plan top layer and bottom layer: 175cm+175cm = 350cm not 375cm as shown on the drawing. Please coordinate.			
S-27	JZ	S-07	Reinforcement plan bottom layer: length=1040cm and width=440cm are conflict with dimensions shown on footing f-4 plan. Please coordinate.			
S-28	JZ	S-07	Section y-y: width of the footing is 440cm, which is conflict with width shown on footing f-4 plan. Please coordinate.			
S-29	JZ	S-07	Footing f-4: reinforcement shown on section x-x is conflict with reinforcement shown on reinforcement plan bottom layer. Please coordinate.			
S-30	JZ	S-08	Schedule of columns - column c1 at rfl level: drawing shows 6 vertical rebar, but text indicates 4ø25. Please coordinate.			
S-31	JZ	S-08	Per aci 318, class b splice length is 1.3*development length. If development length is 48ø per general note 9. Then splice length shall be 62ø. Please double check.			
S-32	JZ	S-08	Typical column section: footing size and reinforcement vary based on the location of the footing. Suggest deleting footing dimension and rebar size on typical column section.			
S-33	JZ	S-08	Typical column section: different layers of soils are shown on the section. Please indicate types of these layers.			
S-34	JZ	S-09 TO S-14	Please indicate termination point of beam top and bottom reinforcement. Typical all similar locations.			
S-35	JZ	S-09 TO S-14	Please add beam stirrup configuration. Typical all similar locations.			
S-36	JZ	S-09 TO S-14	Missing beam reinforcement layout along grid line d and e			
S-37	JZ	S-14	Beam along grids 2 & 5: grid line # shall be a to b or g to h. The dimension between two grids shall be 300cm.			

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STRUCTURAL COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
S-38	JZ	S-15	Could the ground floor be designed as slab-on-grade instead of structural slab as shown?			
S-39	JZ	S-15	No balconies on the ground floor			
S-40	JZ	S-16	No balcony between grid d and e along grid 1 per a-03.			
S-41	JZ	S-18	Rotate detail 1 by 180 degree to match the cut on section b-b			
S-42	JZ	S-18, 19	Please clarify where section a-a and b-b locate			
S-43	JZ	S-18, 19, 21	Missing typical detail around wall or slab openings.			
S-44	JZ	S-18, 19,21	Missing construction joints.			
S-45	JZ	S-18, 19	Missing rebar dowels from rcc column to tank floor slab			
S-46	JZ	S-18,19,21	Please indicate termination point, splice location of rebar.			
S-47	JZ	S-018	Septic tank: please indicate wall thickness.			
S-48	JZ	S-22	Brick masonry is used as walls, please check to see if it is allowed by the building code. Please check unreinforced brick masonry's ability to resist seismic load			
S-49	JZ	S-22	Brick masonry is used as walls, please check to see if it can resist soil pressure			
S-50	JZ	S-22	No dowels between roof slab and walls of soakage pit.			
S-51	JZ	S-25	Please indicate embedment length of 2 inch galvanized pipe into the footing			
S-52	JZ	S-25	Stone masonry is used as foundation wall, please check to see if it is allowed by the building code.			
S-53	JZ	GENERAL	Drawings are incomplete. Missing roof parapet details, balcony overhang details, slab to beam details...			

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MECHANICAL COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
M-1	RWR	None	No Mechanical Design documents provided for review.			

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PLUMBING COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
P1	DCG	Cover sheet	Spell training correctly			
P2	DCG	P1	What do the symbols stand for? "S"?			
P3	DCG	P1	What does B stand for?			
P4	DCG	P1	Indicate Water service location.			
P5	DCG	P1	Properly design and show routing of all underground piping.			
P6	DCG	P1	No Sanitary and vent piping is shown			
P7	DCG	P1	Label WC1 just downsheets from WC E			
P8	DCG	P2?	Fix drawing no. To be P/02/02			
P9	DCG	P2	What does B stand for?			
P10	DCG	P2	Provide Valves on all water lines.			
P11	DCG	P2	Water service location?			
P12	DCG	P2	Provide details for Water service.			
P13	DCG	P2	Provide schematic diagram for Sanitary and vent piping.			
P14	DCG	P2	What does WT stand for?			

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ELECTRICAL COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
E-1	JAS	General	No specifications were provided for review.			
E-2	JAS	General	The drawings appear to be incomplete.			
E-3	JAS	General	No room names or numbers were provided on the drawings.			
E-4	JAS	General	On Title Sheet "premises" is misspelled.			
E-5	JAS	General	Check spelling and formatting of all text on all drawings.			
E-6	JAS	General	Provide a list of Symbols and Abbreviations.			
E-7	JAS	General	Check scaling of symbols on all drawings.			
E-8	JAS	General	There is no electrical site plan provided. Where is power to this building coming from? What size conductors, etc?			
E-9	JAS	General	No details are shown.			
E-10	JAS	General	How is electrical system grounded (earthed)?			
E-11	JAS	E-01/E-02	No lighting fixture types or schedule provided.			
E-12	JAS	E-01/E-02	What is the design illuminance level (Lux or footcandles) for the various spaces? Follow IESNA recommendations?			
E-13	JAS	E-01	No illuminated exit signs provided.			
E-14	JAS	E-01	No emergency lighting provided in the egress path as required by IBC for occupancy R-2. At a minimum it is required in Corridors, Stairs and at exterior exits.			
E-15	JAS	E-01	Corridor lighting should have 3-way switches at each end of the corridor, near the stairs.			
E-16	JAS	E-02	No illuminated exit signs provided.			
E-17	JAS	E-02	No emergency lighting provided in the egress path as required by IBC for occupancy R-2. At a minimum it is required in Corridors, Stairs and at exterior exits.			
E-18	JAS	E-02	Corridor lighting should have 3-way switches at each end of the corridor, near the stairs.			
E-19	JAS	E-02	Light switches on balconies(?) must be weatherproof.			
E-20	JAS	E-02	Light fixtures on balconies must be suitable for exterior use.			
E-21	JAS	E-03	Floor plan does not match architectural plan.			
E-22	JAS	E-03/E-04	E-03 should be 1st floor and E-04 should be typical floor for consistency.			
E-23	JAS	E-03	No Fire Alarm system has been provided as required by IBC for type R-2 occupancy over 2 stories.			
E-24	JAS	E-03	Coordinate receptacle locations with the furniture layout shown on the Architectural drawings.			
E-25	JAS	E-03	Consider adding receptacles between washbasins in toilet room.			
E-26	JAS	E-03	All receptacles in the toilet room must be RCD type.			
E-27	JAS	E-03	Label panel boards			
E-28	JAS	E-03	Don't locate panel boards in stairs.			

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E-29	JAS	E-03	What is the receptacle on the left side of the building attached to? If it is on exterior of building, it must be RCD type.			
E-30	JAS	E-04	Floor plan does not match architectural plan.			
E-31	JAS	E-04	No Fire Alarm system has been provided as required by IBC for type R-2 occupancy over 2 stories.			
E-32	JAS	E-04	Coordinate receptacle locations with the furniture layout shown on the Architectural drawings.			
E-33	JAS	E-04	Consider adding receptacles between washbasins in toilet room.			
E-34	JAS	E-04	All receptacles in the toilet room must be RCD type.			
E-35	JAS	E-04	Label panel boards			
E-36	JAS	E-04	Don't locate panel boards in stairs.			
E-37	JAS	E-04	What is the receptacle on the left side of the building attached to? If it is on exterior of building, it must be RCD type.			
E-38	JAS	E-05/E-06	What is the difference between these two drawings?			
E-39	JAS	E-07	Where is this panel board located? What does it serve? The circuiting does not match the 1st floor plan of the Dormitory.			
E-40	JAS	E-08	Where is this panel board located? Is it the service panel board for the dormitory?			
E-41	JAS	E-05/E-06 /E-07	Label various load on the panel board schedules (1-Lines) ie Lights, Receptacles, etc.			

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TECHNOLOGY COMMENTS FOR DORMITORY BUILDING FOR TRAINING CENTER (TC)						
1	JLB	Design Analysis	No Design Analysis provided to review			
2	JLB	Specifications	No Specifications provided to review			
3	JLB	Drawings	No Drawings provided to review			

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REVIEW OF BILL OF QUANTITIES FOR DORMITORY BUILDING FOR TRAINING CENTER (TC), MoEW, AFGHANISTAN						
GENERAL	TAA	G-1	Not sufficient information available to perform an accurate review of the BOQ and unit costs.			
G-1	TAA	G-2	Chain link fence not included in the BOQ			
A-1	TAA	BQ-1	None			
A-2	TAA	BQ-2	None			
A-3	TAA	BQ-3	Please reference drawing. Detail not found .			
A-4	TAA	BQ-4	Brick masonry, Wall thickness not shown on drawing to obtain accurate quantity.			
A-5	TAA	BQ-5	P.C.C: 220 cu.metre quantity seems too high.			
A-6	TAA	BQ-6	P.C.C. repeated, see item #5			
A-7	TAA	BQ-7	Unit cost too high. Shall be around \$7 USD, not \$15 USD			
A-8	TAA	BQ-8	None			
A-9	TAA	BQ-9	Quantity of stone masonry for foundation work: 270 cu meter seems too high. Please check			
A-10	TAA	BQ-10	None			
A-11	TAA	BQ-11	None			
A-12	TAA	BQ-12	None			
A-13	TAA	BQ-13	Based on information available from current local market the unit price of exterior painting shall be \$4USD/m2 not \$6			
A-14	TAA	BQ-14	None			
A-15	TAA	BQ-15	None			
A-16	TAA	BQ-16	Ceramic tiles {30x30cm} for W.C floor: 220 sq meter quantity seems too high.			
A-17	TAA	BQ-17	Skirting for wall not show in the drawing {plan & section } at the BOQ is ?			
A-18	TAA	BQ-18	None			
A-19	TAA	BQ-19	None			
A-20	TAA	BQ-20	None			
A-21	TAA	BQ-21	None			
A-22	TAA	BQ-22	Please specify type of material for railing. Price at current local market range from \$30 - \$ 60 USD per m2.			
A-23	TAA	BQ-23	Is it Cloths Shelf or Closet? 302 quantity is too high. Drawing show is 280 Nos.			
A-24	TAA	BQ-24	Metallic double story bed: Drawings counts 140 units not 148 Nos.			
A-25	TAA	BQ-25	Wooden desk: Drawing counts 35 units not 40 Nos.			
A-26	TAA	BQ-26	Side chair for desk: Drawing counts 280 units not 320.			
A-27	TAA	BQ-27	None			
A-28	TAA	BQ-28	Washing machine: Unit price of \$150 USD per washing machine seems too low . And also drawings show units. in BOQ is 4.			
A-29	TAA	BQ-29	In situ terrazzo: Why using Terrazzo in septic tank? Please specify use.			
A-30	TAA	BQ-30	None			
A-31	TAA	BQ-31	Site cleaning; construction debris shall be disposed in accordance to municipality regulation.			

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Comment #	Reviewer	Reference	Comment	Response Code	Response	Back-Check
REVIEW OF BILL OF QUANTITIES FOR DORMITORY BUILDING FOR TRAINING CENTER (TC), MoEW, AFGHANISTAN						
A-32	TAA	BQ-32	None			
ELECTRICAL SYSTEM REVIEW OF BILL OF QUANTITIES FOR DORMITORY BUILDING FOR TRAINING CENTER (TC), MoEW, AFGHANISTAN						
E-1	TAA	BQ-1	Not sufficient information available to verify quantities.			
E-2	TAA	BQ-2	Not sufficient information available to verify quantities.			
E-3	TAA	BQ-3	Not sufficient information available to verify quantities.			
E-4	TAA	BQ-4	Not sufficient information available to verify quantities.			
E-5	TAA	BQ-5	Not sufficient information available to verify quantities.			
E-6	TAA	BQ-6	Not sufficient information available to verify quantities.			
E-7	TAA	BQ7	Not sufficient information available to verify quantities.			
E-8	TAA	BQ-8	Not sufficient information available to verify quantities.			
E-9	TAA	BQ-9	Not sufficient information available to verify quantities.			
E-10	TAA	BQ-10	Not sufficient information available to verify quantities.			
E-11	TAA	BQ-11	Not sufficient information available to verify quantities.			
E-12	TAA	BQ-12	Not sufficient information available to verify quantities.			
E-13	TAA	BQ-13	Not sufficient information available to verify quantities.			
E-14	TAA	BQ-14	Not sufficient information available to verify quantities.			
E-15	TAA	BQ-15	Not sufficient information available to verify quantities.			
E-16	TAA	BQ-16	Not sufficient information available to verify quantities.			
E-17	TAA	BQ-17	Not sufficient information available to verify quantities.			
E-18	TAA	BQ-18	Not sufficient information available to verify quantities.			
E-19	TAA	BQ-19	Not sufficient information available to verify quantities.			
E-20	TAA	BQ-20	Not sufficient information available to verify quantities.			
E-21	TAA	BQ-21	Not sufficient information available to verify quantities.			
E-22	TAA	BQ-22	Not sufficient information available to verify quantities.			
E-23	TAA	BQ-23	Not sufficient information available to verify quantities.			
E-24	TAA	BQ-24	Not sufficient information available to verify quantities.			
E-25	TAA	BQ-25	Not sufficient information available to verify quantities.			
E-26	TAA	BQ-26	Not sufficient information available to verify quantities.			
E-27	TAA	BQ-27	Not sufficient information available to verify quantities.			
E-28	TAA	BQ-28	Not sufficient information available to verify quantities.			
WATER SUPPLY SYSTEM REVIEW OF BILL OF QUANTITIES FOR DORMITORY BUILDING FOR TRAINING CENTER (TC), MoEW, AFGHANISTAN						
WS-1	TAA	BQ-1	Not sufficient information available to verify quantities.			
WS-2	TAA	BQ-2	Not sufficient information available to verify quantities.			
WS-3	TAA	BQ-3	Not sufficient information available to verify quantities.			
WS-4	TAA	BQ-4	Not sufficient information available to verify quantities.			
WS-5	TAA	BQ-5	Not sufficient information available to verify quantities.			
WS-6	TAA	BQ-6	Not sufficient information available to verify quantities.			
WS-7	TAA	BQ-7	Not sufficient information available to verify quantities.			
WS-8	TAA	BQ-8	Water cooler (Model -WD-20-1 HD): 41 Quantities seem too high and the price of \$120 USD is too low.			
WS-9	TAA	BQ-9	Not sufficient information available to verify quantities.			
WS-10	TAA	BQ-10	Not sufficient information available to verify quantities.			
WS-11	TAA	BQ-11	Not sufficient information available to verify quantities.			

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REVIEW OF BILL OF QUANTITIES FOR DORMITORY BUILDING FOR TRAINING CENTER (TC), MoEW, AFGHANISTAN						
WS-12	TAA	BQ-12	Not sufficient information available to verify quantities.			
WS-13	TAA	BQ-13	Not sufficient information available to verify quantities.			
WS-14	TAA	BQ-14	Not sufficient information available to verify quantities.			
WS-15	TAA	BQ-15	Not sufficient information available to verify quantities.			

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REVIEW OF BILL OF QUANTITIES FOR THE SITE SEPTIC TANK						
G-1	TAA	G-2	Cost of Chain link fence not included in the BOQ			
A-1	TAA	BQ-1	None			
A-2	TAA	BQ-2	None			
A-3	TAA	BQ-3	None			
A-4	TAA	BQ-4	None			
A-5	TAA	BQ-5	None			
A-6	TAA	BQ-6	None			
A-7	TAA	BQ-7	P.V.C Pipe (L-60 m -6 inch): Quantity cannot be verified on drawings.			

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ARCHITECTURE COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
A-1	NMA	GENERAL	Add a Legend and abbreviation sheet to the set			
A-2	NMA	GENERAL	Add appropriate scales to detail titles and scale bars to the drawing sheets.			
A-3	VV	A-01	Provide locations of supply of utilities on site plan			
A-4	VV	A-01	Uniquely label sections for clarity			
A-5	NMA	A-01	Check driveway radiuses at turning points.			
A-6	NMA	A-02	Show graphic Scale.			
A-7	NMA	A-02	Are the building entrances and exits accessible as shown or do ramps need to be added? Check IBC for door swings. Doors must swing outward if occupants' load is more than 50. Check doors location and maximum length of travel allowed by IBC for egress.			
A-8	NMA	A-02	Need more dimensioning and plan details. Add dimensions to locate doors and windows.			
A-9	NMA	A-02	Provide Building Code and Construction Data on the floor plans with the following information (at a minimum): construction class, use group, height and area limitations, fire resistance ratings, design occupant load, egress requirements			
A-10	NMA	A-02	Provide references to doors and windows for details. Consider providing an a door between kitchen and dining hall. Consider providing an enlarged floor plan for the kitchen.			
A-11	NMA	A-02	Columns and bearing walls are hatched, add that to the Legend			
A-12	NMA	A-02	Label and number each room to Finishing Schedule.			
A-13	NMA/VV	A-02	Provide loading requirements in terms of egress travel paths, if possible provide ADA accessible spaces.			
A-14	NMA	A-02	Show Life Safety plans to address occupant load based on area and occupancy (show room areas)			
A-15	NMA	A-02	Show Life Safety plans address travel distances			
A-16	NMA	A-02	Egress width of stairs, corridors and doors shown to accommodate occupant load need to be shown			
A-17	NMA	A-02	References to doors and windows should be to detail sheet not provided.			
A-18	NMA	A-02	Provide details and interior elevation of pass-thru window between kitchen and dining hall.			
A-19	NMA	A-02	Key in building elevations to floor plans			
A-20	NMA/VV	A-02	Label windows with type and key into a window schedule			
A-21	NMA	A-02	Complete dimensions for interior spaces.			
A-22	NMA	A-02	Dimension entry landing and label high and low points.			
A-23	NMA	A-02	Label all rooms and reference to Schedule of Finishing .			
A-24	NMA	A-02	Show details of kitchen cabinets.			
A-25	NMA	A-02	Reference toilet rooms to sheet A-04			
A-26	NMA	A-02	Why did door swings are different?			
A-27	NMA	A-02	Show railings on balconies.			
A-28	NMA	A-02	It is not clear if doors have thresholds or not.			

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ARCHITECTURE COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
A-29	NMA	A-02	Is there a floor drain in the kitchen? Is the floor sloped for washing?			
A-30	VV	A-02	Check code requirements for Kitchen: hood, queuing lines for serving space.			
A-31	NMA/VV	A-02	IBC Code will require a bathrooms, check requirements.			
A-32	NMA	A-02	Consider showing kitchen and dining hall Interior Elevations and reflected ceiling plans			
A-33	NMA	A-02	Show and list kitchen appliances, types, and sizes.			
A-34	NMA	A-02	What are the doors made of? What are the sizes of the doors?			
A-35	NMA	A-02	How is hot water provided for the kitchen?			
A-36	VV	A-02	Three exits are required for occupancy load for the dining area. Might also a door be wanted between dining and kitchen?			
A-37	NMA	A-02	Consider adding vestibules for entry to dining hall, for energy saving.			
A-38	NMA	A-03 & A-04	Column lines are either missing or shown but not dimensioned.			
A-39	NMA	A-03 & A-04	Detail A-1, specify the thickness of the Insulation layer (Isogam).			
A-40	NMA	A-03 & A-04	Add more dimensions to drawings; floor to floor height, window sill, window height, ceiling heights, etc.			
A-41	VV	A-03 & A-04	Note the materials on details on all, A-3			
A-42	NMA	A-03 & A-04	The drawings seem to be incomplete. Needs more details and cross references.			
A-43	VV	A-03 & A-04	Detail A-2 doesn't reflect actual location of grade.			
A-44	VV	A-03 & A-04	Provide hood for stove and relocate the window behind the stove.			
A-45	VV	A-03 & A-04	Reference building sections to wall sections (not provided)			
A-46	NMA	A-05	Elevations needs more work; show all four (4) elevations, show floor to roof height, finished grade and parapet heights, window types, door types, cross references to details, etc.			
A-47	NMA	A-05	Show foundation and footings in dashed line.			
A-48	NMA	A-05	Show column lines grid.			
A-49	NMA	A-05	Show Water Tank location on the roof.			
A-50	NMA	A-05	Show operable windows and fixed glass windows.			
A-51	NMA	A-06	Show column lines on roof plan.			
A-52	NMA	A-06	Show all roof slope by arrows and direction.			
A-53	NMA/VV	A-06	Provide all roof penetrations in roof plan. Kitchen exhaust, vents, pipes on the roof?			
A-54	NMA	A-06	Provide details of Water Tank roof flashing.			
A-55	NMA	A-06	Label roof drains and provide details and flashing.			
A-56	NMA	A-06	Show details of roof parapets and flashing.			
A-57	NMA	A-06	Calculate roof rain water and check the size and numbers of the roof drains.			
A-58	VV	A-06	Provide complete dimension to locate changes in roof			

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ARCHITECTURE COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
A-59	NMA	A-06	Water Tank size is different on drawing A-08. How is the Tank supported on the roof? What is the weight of the tank with full capacity? Has the structure below designed for the load? If yes, where is the detail?			
A-60	NMA	A-07	Detail A-A, Construction Joint, needs more information.			
A-61	NMA	A-08	Water Tank size is different on drawing A-06. How is the Tank supported on the roof? What is the weight of the tank with full capacity? Has the structure below designed for the load? If yes, where is the detail?			
A-62	VV	A-08	What material is the building and water tank? Callout of materials.			
A-63	NMA	A-08	How is the tank filled with water? Show location of supply line. How is the tank cleaned?			
A-64	NMA	Schedule of Fin	Consider using special paint for kitchen.			
A-65	NMA	Schedule of Finishing	Check words spelling and formatting.			
A-66	VV	Schedule of Finishing	Provide room name and corresponding numbers in the finish schedule.			
A-67	VV	Schedule of Finishing	Reference interior details of tile work and other finishes for further clarity.			
A-68	NMA	Schedule of Finishing	What are the sizes, color, and finishing of the Ceramic tiles.			
A-69	NMA	GENERAL	Provide enlarged plans for kitchen.			
A-70	NMA	GENERAL	Consider adding stair detail to show the non-slip nosing and the specific dimensions of the treads and risers.			
A-71	NMA	GENERAL	Per IBC 1009.5.2 Outdoor stairways need to be designed so that water does not accumulate - I do not see this addressed. This needs to be detailed.			
A-72	NMA	GENERAL	Layout of stairs is not clear.			
A-73	NMA	GENERAL	Per IBC 1009.10 Stairways shall have handrails on both sides. It does not appear there are on these stairs.			
A-74	NMA	GENERAL	Stair railing not shown and to be - per IBC			
A-75	NMA	GENERAL	Window and door details are lacking			
A-76	NMA	GENERAL	Title blocks are not consistent.			
A-77	NMA	GENERAL	Are roof parapets a concern in this seismic zone?			
A-78	NMA	GENERAL	Drawing is incomplete. Lines are missing on the plan, titles and scales are missing or incorrect. Elevation and wall section tags are incorrect. Door details are referenced that are not in the set of drawings.			
A-79	NMA	GENERAL	Wall sections missing?			
A-80	VV	GENERAL	Provide window and door schedule.			
A-81	NMA	GENERAL	Plan details, wall details, and roof details are missing?			

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STRUCTURAL COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
S-1	JZ	GENERAL	Not clear on what type of wall construction is. Need connection detail between wall and concrete framing (beams, columns and footings)			
S-2	JZ	GENERAL	Not clear on what codes are used as basis of design. Suggest adding code references to the general notes			
S-3	JZ	GENERAL	If stone masonry is used as foundation wall, please check to see if it is allowed by the building code. Please check stone masonry's ability to resist seismic and wind loads.			
S-4	JZ	GENERAL	If unreinforced brick masonry is used as walls, please check to see if it is allowed by the building code. Please check unreinforced brick masonry's ability to resist seismic and wind loads.			
S-5	JZ	GENERAL	Missing roof slab reinforcement plan			
S-6	JZ	GENERAL	Missing slab on grade to wall joint detail			
S-7	JZ	GENERAL	Missing construction and contraction joint details and location of these joints.			
S-8	JZ	GENERAL	Suggest using uniform text sizes and uniform dimension sizes.			
S-9	JZ	GENERAL	For easy reference: suggest adding detail section cuts on the plans with reference to the drawings where the details are located			
S-10	JZ	GENERAL	Please specify "roughened surface" at construction joints of rc columns to footings. Typical similar locations.			
S-11	JZ	GENERAL NOTES	G40 reinforcing steel with yield strength of 2800 kg/cm ² is specified. G60 astm 615 reinforcing steel with yield strength of 4218 kg/cm ² is commonly used in afghanistan. Please double check availability of g40 and g60 reinforcement.			
S-12	JZ	GENERAL NOTES	Suggest adding design loads to the general loads			
S-13	JZ	GENERAL NOTES	Clarify note 10. If aashto section is intended to be used as guidelines for soil compaction, please specify which aashto section.			
S-14	JZ	S-02	Per aci 318, class b splice length is 1.3*development length. If development length is 48ø per general note 9. Then splice length shall be 62ø. Please double check. Typical similar locations			
S-15	JZ	S-02	Please specify vertical wall reinforcement (wall vertical dowels) into footing and its embedment. Typical similar locations			
S-16	JZ	S-02	Please specify hook length of the wall vertical dowels into footing. If this is a standard 90 degree hook, please call out on the drawings "standard 90 degree hook typ.". Typical similar locations			

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STRUCTURAL COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
S-17	JZ	S-02	Footing section: instead of putting a short bar next to main reinforcing, please show column vertical dowels into footing spliced with column vertical rebar and specify splice length. Typical all similar locations.			
S-18	JZ	S-02	Missing reinforcement plan and section for f-3 and f-6			
S-19	JZ	S-03	Please clarify where section a-a and b-b locate			
S-20	JZ	S-04	Could the ground floor be designed as slab-on-grade instead of structural slab as shown on s-04? Or is this a roof slab reinforcement plan?			
S-21	JZ	S-05 TO S-08	Please indicate termination point of beam top and bottom reinforcement. Typical all similar locations.			
S-22	JZ	S-05 TO S-07	Please add beam stirrup end hooks on sections. Typical all similar locations.			
S-23	JZ	S-08	Please add beam stirrup configuration. Typical all similar locations.			
S-24	JZ	S-09,02	Typical column c7 section: b.o.ftg elevation is different from b. O. Ftg elevation shown on s-02. Please coordinate			
S-25	JZ	S-09	Typical column section: different layers of soils are shown on the section. Please indicate types of these layers.			
S-26		S-10, 11	Missing rebar layout for rcc column above roof level, supporting the water tank			
S-27	JZ	S-10, 11	Rotate detail 1 by 180 degree to match the cut on section b-b			
S-28	JZ	S-10, 11	Please clarify where section a-a and b-b locate			
S-29	JZ	S-10, 11	Missing typical detail around wall or slab openings.			
S-30	JZ	S-10, 11	Missing construction joints.			
S-31	JZ	S-10, 11	Missing rebar dowels from rcc column to tank floor slab			
S-32	JZ	S-10, 11	Please indicate termination point, splice location of rebar.			
S-33	JZ	GENERAL	Drawings are incomplete. Missing roof parapet details, slab to beam details...			

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MECHANICAL COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
M-1	RWR	none	No Mechanical Design documents provided for review.			

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PLUMBING COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
P1	DCG	Cover sheet	Spell training center correctly.			
P2	DCG	General note	Fill in title block completely. Drawing number etc?			
P3	DCG	P1	No Waste and vent piping are indicated. Provide design.			
P4	DCG	P1	No Underground piping is provided. Provide design.			
P5	DCG	P1	Indicate Water service location and provide design details.			
P6	DCG	P1	What do symbols stand for? WT? B?			
P7	DCG	P1	No Water heater location and details are provided. Provide design.			

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ELECTRICAL COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
E-1	JAS	General	No specifications were provided for review.			
E-2	JAS	General	The drawings appear to be incomplete.			
E-3	JAS	General	No room names or numbers were provided on the drawings.			
E-4	JAS	General	On Title Sheet "premises" is misspelled.			
E-5	JAS	General	Check spelling and formatting of all text on all drawings.			
E-6	JAS	General	Provide a list of Symbols and Abbreviations.			
E-7	JAS	General	Check scaling of symbols on all drawings.			
E-8	JAS	General	There is no panelboard schedule for PDB-E1.			
E-9	JAS	General	No riser or one-line diagram was provided.			
E-10	JAS	General	No information is provided for conductor size for any circuit.			
E-11	JAS	General	No details are shown.			
E-12	JAS	General	How is the electrical system grounded (earthed)?			
E-13	JAS	General	There is no electrical site plan provided. Where is power to this building coming from? What size conductors, etc?			
E-14	JAS	E-01	No Fire Alarm system has been provided as is required for this type of building occupancy with more than 300 occupants. There are tables and chairs for 594 people.			
E-15	JAS	E-01	There are insufficient receptacles in the Dining Hall for a room of this size and use.			
E-16	JAS	E-01	No receptacle is shown in the Kitchen for the refrigerator that is shown on drawing A-02.			
E-17	JAS	E-01	Receptacles in the Kitchen should be RCD type.			
E-18	JAS	E-01	More receptacles should be provided in the Kitchen to accommodate other kitchen equipment.			
E-19	JAS	E-02	No Lighting Fixture Schedule was provided.			
E-20	JAS	E-02	No lighting fixture type is indicated for Dining Hall or Kitchen/Storage.			
E-21	JAS	E-02	No Emergency Lighting or Illuminated Exit Signs are provided as required by IBC.			
E-22	JAS	E-02	The switch for lighting circuit 5 should be moved closer the door. It is currently shown mounted on a window. Coordinate with architectural drawings.			
E-23	JAS	E-02	The switches for lighting circuits 3 and 4 are shown mounted on windows and need to be moved. Coordinate with architectural drawings.			
E-24	JAS	E-02	The lights in Storage and Kitchen should be controlled by separate switches.			
E-25	JAS	E-02	Move the light switch in Storage closer to the doors. Consider using 3-way switches near each door.			
E-26	JAS	E-02	No light switch is provided in the Kitchen.			

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TECHNOLOGY COMMENTS FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
1	JLB	Design Analysis	No Design Analysis provided to Review			
2	JLB	Specifications	No Specifications provided to Review			
3	JLB	Drawings	No Drawings Provided to Review			

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REVIEW OF BILL OF QUANTITIES FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
A-1	TAA	BQ-1	None			
A-2	TAA	BQ-2	None			
A-3	TAA	BQ-3	None			
A-4	TAA	BQ-4	Brick Masonry: , Quantities of brick seems too high.			
A-5	TAA	BQ-5	None			
A-6	TAA	BQ-6	P.C.C: Could not locate use of PCC on drawings			
A-7	TAA	BQ-7	None			
A-8	TAA	BQ-8	Insulation: Based on information available from current local market, the price of Isogam shall be around \$7 USD, not \$15			
A-9	TAA	BQ-9	R.C.C , the quantities of R.C.C is too high.			
A-10	TAA	BQ-10	None			
A-11	TAA	BQ-11	None			
A-12	TAA	BQ-12	Plastic Emulsion Painting: Quantity seems too high.			
A-13	TAA	BQ-13	None			
A-14	TAA	BQ-14	Plastering the interior side of walls: Quantity seems too high.			
A-15	TAA	BQ-15	Ceramic tiles (20x30 cm), kitchen walls: Quantity seems high.			
A-16	TAA	BQ-16	None			
A-17	TAA	BQ-17	None			
A-18	TAA	BQ-18	Marble stone: Unit price of marble for Dormitory building listed at \$18 per sm. Why \$30 USD for the kitchen. Please verify price differences.			
A-19	TAA	BQ-19	None			
A-20	TAA	BQ-20	None			
A-21	TAA	BQ-21	P.V.C Windows: Unit price of P.V.C for dormitory building, tem No. 21 listed at \$110 USD per sq-metrer. Why \$70 for this building. Please verify price differences .			
A-22	TAA	BQ-22	None			
A-23	TAA	BQ-23	None			
A-24	TAA	BQ-24	None			
A-25	TAA	BQ-25	None			
A-26	TAA	BQ-26	None			
A-27	TAA	BQ-27	None			
A-28	TAA	BQ-28	None			
A-29	TAA	BQ-29	Wooden Cupboard (510x70x180 cm): Not found on drawing .			
A-30	TAA	BQ-30	Freezers: Not found on drawing .			
A-31	TAA	BQ-31	Stove: Drawings show 6 units, quantities priced for 4 units.			
A-32	TAA	BQ-32	None			
A-33	TAA	BQ-33	None			
A-34	TAA	BQ-34	None			
A-35	TAA	BQ-35	None			
A-36	TAA	BQ-36	None			
A-37	TAA	BQ-37	None			

Design Review
Ministry of Energy and Water - Kitchen and Dining Hall Building for Vocational Training Center
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WO-A-0021

Response Legend
A - Agree
D - Disagree
O - Out of scope
AE - Agree with exception

Comment #	Reviewer	Reference	Comment	Response Code	Response	Back-Check
REVIEW OF BILL OF QUANTITIES FOR KITCHEN AND DINING HALL BUILDING FOR TRAINING CENTER (TC)						
A-38	TAA	BQ-38	None			
A-39	TAA	BQ39	Plumping: Please specify material type, quality and quantity. Suggest to provide cost based on quantity and quality .			
A-40	TAA	BQ-40	Site cleaning: Construction site shall be cleaned and the construction debris shall be disposed in accordance with the municipality regulations.			
ELECTRICAL COMMENTS FOR KITCHEN BOQ						
E-1	TAA	BQ-1	Not sufficient information available to review the BOQ.			
E-2	TAA	BQ-2	Not sufficient information available to review the BOQ.			
E-3	TAA	BQ-3	Not sufficient information available to review the BOQ.			
E-4	TAA	BQ-4	Not sufficient information available to review the BOQ.			
E-5	TAA	BQ-5	Not sufficient information available to review the BOQ.			
E-6	TAA	BQ-6	Not sufficient information available to review the BOQ.			
E-7	TAA	BQ-7	Not sufficient information available to review the BOQ.			
E-8	TAA	BQ-8	Not sufficient information available to review the BOQ.			
E-9	TAA	BQ-9	Not sufficient information available to review the BOQ.			
E-10	TAA	BQ-10	Not sufficient information available to review the BOQ.			
E-11	TAA	BQ-11	Not sufficient information available to review the BOQ.			
E-12	TAA	BQ-12	Not sufficient information available to review the BOQ.			
E-13	TAA	BQ-13	Not sufficient information available to review the BOQ.			
E-14	TAA	BQ-14	Not sufficient information available to review the BOQ.			
E-15	TAA	BQ-15	Not sufficient information available to review the BOQ.			
E-16	TAA	BQ-16	Not sufficient information available to review the BOQ.			
E-17	TAA	BQ-17	Not sufficient information available to review the BOQ.			
E-18	TAA	BQ-18	Not sufficient information available to review the BOQ.			
E-19	TAA	BQ-19	Not sufficient information available to review the BOQ.			
E-20	TAA	BQ-20	Not sufficient information available to review the BOQ.			
E-21	TAA	BQ-21	Not sufficient information available to review the BOQ.			

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Response Legend
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AE - Agree with exception

Comment #	Reviewer	Reference	Comment	Response Code	Response	Back-Check
REVIEW OF BILL OF QUANTITIES FOR SITE THOROUGHFARE (ROAD) TRAINING CENTER (TC), MoEW, AFGHANISTAN						
G-1	TAA	G-2	Chain link fence not included in the BOQ			
A-1	TAA	BQ-1	Not sufficient information available to verify quantities.			
A-2	TAA	BQ-2	Not sufficient information available to verify quantities.			
A-3	TAA	BQ-3	Not sufficient information available to verify quantities.			
A-4	TAA	BQ-4	Not sufficient information available to verify quantities.			
A-5	TAA	BQ-5	Not sufficient information available to verify quantities.			
A-6	TAA	BQ-6	Not sufficient information available to verify quantities.			
A-7	TAA	BQ-7	Not sufficient information available to verify quantities.			
A-8	TAA	BQ-8	Not sufficient information available to verify quantities.			
A-9	TAA	BQ-9	Not sufficient information available to verify quantities.			
A-10	TAA	BQ-10	Not sufficient information available to verify quantities.			
A-11	TAA	BQ-11	Not sufficient information available to verify quantities.			
A-12	TAA	BQ-12	Not sufficient information available to verify quantities.			