



Republic of the Philippines  
**KALINGA STATE UNIVERSITY**  
 Bulanao, Tabuk City, Kalinga

PROJECT: Completion of KSU Mushroom Building  
 LOCATION: KSU Bulanao Campus, Tabuk City, Kalinga

ITEMS NO.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
803 (1) a	STRUCTURE EXCAVATION (Common Soil)	27.00	cu. m.	Covers excavation from grid 1 @ (E' & F), grid 2 @ (E & E'), and grid 3 @ (D)
804	EMBANKMENT	1.41	cu. m.	Covers item at 803 (1) a
900 (1) c1	STRUCTURAL CONCRETE	24.60	cu. m.	Covers grid 1-3 @ (A'-F) Specified in the plan *Materials/Specifications are as follows: portland cement sand gravel PVC Conduit pipe (3m x 19mm D)
903 (2)	FORMWORKS AND FALSEWORKS	24.60	sq.m.	Covers grid 1-3 @ (A'-F) Specified in the plan *Materials/Specifications are as follows: 1/4" thk. plywood form lumbers common wire nails (assorted)
902	REINFORCING STEEL	1603.96	kgs.	Covers RSB of footings and columns covers grid 1 @ (E, E', & F), grid 2 @ (E & E') and grid 3 @ (D & E) *Materials/Specifications are as follows: RSB 20mm (Grade 40) RSB 16mm (Grade 40) RSB 10mm (Grade 33) no. 16 GI Tie wire
1047 (1)	STRUCTURAL STEEL	1.00	Ls	Covers grid 1-3 @ (D&E), grid 1-2 @ (E' & F) Specified in the plan *Materials/Specifications are as follows: Angle Bar 50 x 50 x 6mm Thk. X 6m Angle Bar 62.5 x 62.5 x 6mm Thk. X 6m Angle Bar 32.5 x 32.5 x 6mm Thk. X 6m C-Purlins 50 x 100mm x 6m x 1.0mm thk. HD Turnbuckle x 16mm dia Sag Rod Plain Round Bar 12mm dia. X 6m (grade 40) Welding Rod Base plate 6mm x 150mm x 150mm Base plate 6mm x 150mm x 300mm Epoxy Primer gray Paint Paint Brush x 100mm Paint Thinner
1014 (1) b2	PREPAINTED METAL SHEETS	85.20	sq.m.	Covers grid 1-3 @ (D-F)

Prepared by:

KSU INFRA DEPARTMENT

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 Chairman for Planning

Recommending Approval:

Engr. RHONJHON R. GARMING  
 Director for Planning and Strategy

Approved:

EDUARDO T. BAGTANG, CPA, DBM  
 SUC President III



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				Specified in the plan
				*Materials/Specifications are as follows:
				Twin Rib-Type Roofing GA24 (1.2 x 6.20m x .05 thk.)- <i>Green Color</i>
				Twin Rib-Type Outside Wall GA24 (1.2 x 6.20m x .05 thk.)
				Twin Rib-Type Inside Wall GA24 (1.2 x 6.20m x .05 thk.)
				Teckscrew x 55
				Metal Studs 50mm x 30mm x 5mm x .5mm
				black screw
				Fed Seal/Vulcaseal 1 lit
1013 (2) a1	FABRICATED METAL ROOFING ACCESSORY (ridge roll)	8.00	Ln.m.	Covers grid 2 @ (C-E), grid 1 @ (E-E') & (E'-F)
				Specified in the plan
				*Materials/Specifications are as follows:
				PrepaintedRidge-Roll GA24 (0.701mm x 2.44m)
				note: use ridge rolls from Tech. Voc. Bldg
				red oxide primer
				Paint Brush x 75
				Paint Brush x 50
				Teckscrew x 55
1013 (2) a2	FABRICATED METAL ROOFING ACCESSORY (Flashings)	12.00	Ln.m.	Covers grid A @ (2-3), grid E @ (1-3) & (1-2), grid E' (1-2) & (1-1'), & grid F @ (1-1')
				Specified in the plan
				*Materials/Specifications are as follows:
				Prepainted End Flashing GA24 ( 0.701mm x 2.44m)-Bridal Gown(ROS-559)
				Teckscrew x 55
1046(2)	MASONRY WORKS (CHB walls)	118.22	sq.m.	Covers grid 1-3 @ (A-F), perimeter
				Specified in the plan
				*Materials/Specifications are as follows:
				4" thk. CHB
				sand
				cement
				pcs.-10mm dia RSB grade 40
				no. 16 GI tie wire
1002(8)	PLUMBING FIXTURES	1.00	Ls	Covers grid 1 @ (E'-F), perimeter
				*Materials/Specifications are as follows:
				Water closet complete set
				Floor drain 100x100mm,HD
				Faucet
				Angle valve
				Gate valve 20mmΦ
				Teplon tape

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SPL-b	WATER SYSTEM	1.00	Ls	Covers pipeline from the water source to the building *Materials/Specifications are as follows: Water Meter 1" Check Valve 1"Ø Gate Valve 1"Ø Gate Valve 1/2"Ø Gi Pipe 1" Ø x 6sch.40 Gi Pipe 3/4" dia x 6.0 sch.40 Gi Pipe 1/2" Ø x 6sch.40 Gi Coupling 1"Ø Gi Coupling 3/4"Ø Gi Coupling 1/2"Ø Gi Elbow 90° 1"Ø Gi Elbow 90° 1/2"Ø Gi Tee Reducer 1" x 3/4" Gi Tee Reducer 1" x 1/2" Gi Tee 3/4" Gi Tee 1" Gi Tee 1/2" Gi Elbow 45° 1"Ø Gi Union Patente 20 Ø Gi Union Patente 12Ø Teplon Tape
1100(30)	CONDUIT, BOXES, & FITTINGS	1.00	In. m	Covers grid 1-3 @ (A-F) Specified in the plan *Materials/Specifications are as follows: For lighting PVC conduit, 15mm inside diameter PVC adapter with lacknut, 15mm PVC Elbow, 15mm Utility Box (50 x 100 Moldflex) Junction Box (Octagonal) For Power PVC conduit, 20mm PVC adapter with lacknut, 20mm PVC elbow, 20mm Utility Box (50 x 100 Moldflex) For Airconditioning unit PVC conduit, 25mm PVC adapter with lacknut,25mm PVC elbow, 25mm Utility Box (2 x 4" Moldflex) For Service Entrance PVC conduit, 40mm dia PVC elbow, 40mm dia PVC locknut and adapter, 40mm dia

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1101 (42)	Wires & Wiring devices	1.00	Is	Covers grid 1-3 @ (A-F) Specified in the plan *Materials/Specifications are as follows: Lighting 1. 2.0 mm <sup>2</sup> THHN Stranded Wire (ISO Certified) Power 1. 3.5mm <sup>2</sup> THHN Stranded Wire (ISO Certified) Appliance 1. 5.5 mm <sup>2</sup> THHN Stranded Wire (ISO Certified) Main Protection 1. 14mm sq THHN wire 2. 8.0mm sq THHN wire Grounding 1. 8.0mm sq copper conductor 2. Copper-Clad Ground Rod, 19mm dia., 3 m length 3. Solderless connector 8.0mm sq Lighting 1. Single Pole Switch (Wide Series) 2. Two Gang Switch (Wide-Series) 3. Three gang Switch (Wide-Series) 4. Emergency light and exit light one gang outlet set Power 1. Convenience outlet, 16A, Duplex, 3prong, 250V 2. Weatherproof Convenience outlet, 16A, Duplex, 3prong, 250V 3. Electrical Tape B/S Appliances 1. Aircon outlet set 2. Electrical Tape B/S
1102	POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS	1.00	Is	Covers grid 1-3 @ (A-F) Specified in the plan *Materials/Specifications are as follows: Panel Board LP Main: 60A center tapped, P+G, 22KAIC w/ 10-Branches: 2-15A,4-20A,4-30A, all 2P+G & 10KAIC in NEMA-1 Enclosure, Wall Mounted (flushed) powder coated
1100	Lightings	1.00	Is	Covers grid 1-3 @ (A-F) Specified in the plan *Materials/Specifications are as follows: 18w led bulb, daylight wall lamp, semi-cylindrical type, weatherproof encasement Low bay LED light, 21W cool white with metallic pendant hanger Porcelain bulb receptacle, 220V 11W daylight bulb, UL listed

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1007	DOORS AND WINDOWS	27.32	sq. m.	Covers grid 1-3 @ (A-F) Specified in the plan *Materials/Specifications are as follows: WINDOWS w1: (1.8 x1.3m) analog window s-1000 sliding w/ fix glass both side w2: (1.6x 1.5m) Steel Window w3: (1.1 x 2.4m) Steel Window with 1/4" thick clear glass w4: (0.3 x 0.6m) Steel Window with 1/4" thick clear glass w5: (1.2 x 1.3m) Steel Window with 1/4" thick clear glass w6: (0,9 x 0.6m) Steel Window with 1/4" thick clear glass glass 1/4" thick clear glass silicon sealant silicon gun common nails 4" (assorted) red oxide primer anti rust note: use salvage materials from tech. voc. & student center bldg. for w2, w3, w4,w5, &w6. DOORS D2- (1 x 2.15m)verify manufacturer's design and specs show sample to architect prior to installation w/ door jamb D3- ( 0.9x 2.15m) verify manufacturer's design and specs show sample to architect prior to installation w/ door jamb Hinges 4" x 4"
B.5	PROJECT BILLBOARD	1.00	pc.	*Materials/Specifications are as follows: . good lumber . tarpauline (4'x8') . CWN (assorted)

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