



Republic of the Philippines
City of Puerto Princesa
OFFICE OF THE CITY BUILDING OFFICIAL



CIVIL STRUCTURAL REQUIREMENTS



ENGR. PERSIUS A. DAGANTA
Engineer II
Civil/Structural Section



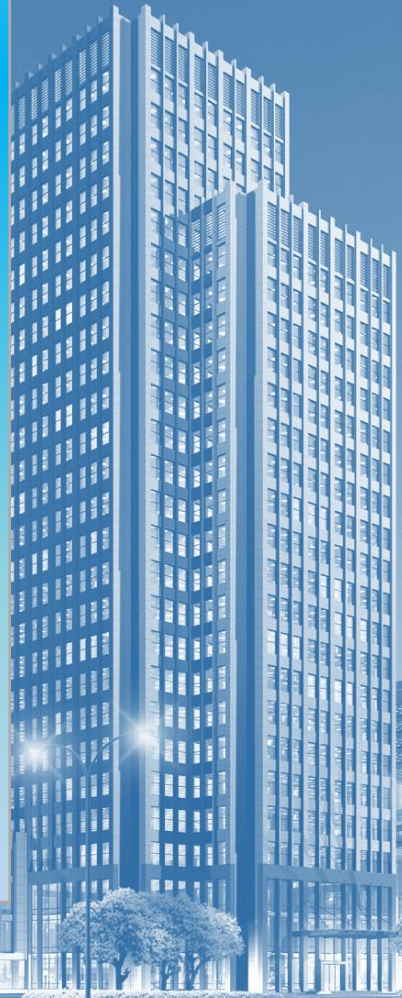


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National Building Code of the Philippines (NBCP) SECTION 302- APPLICATION FOR PERMITS #5 Civil Structural Documents



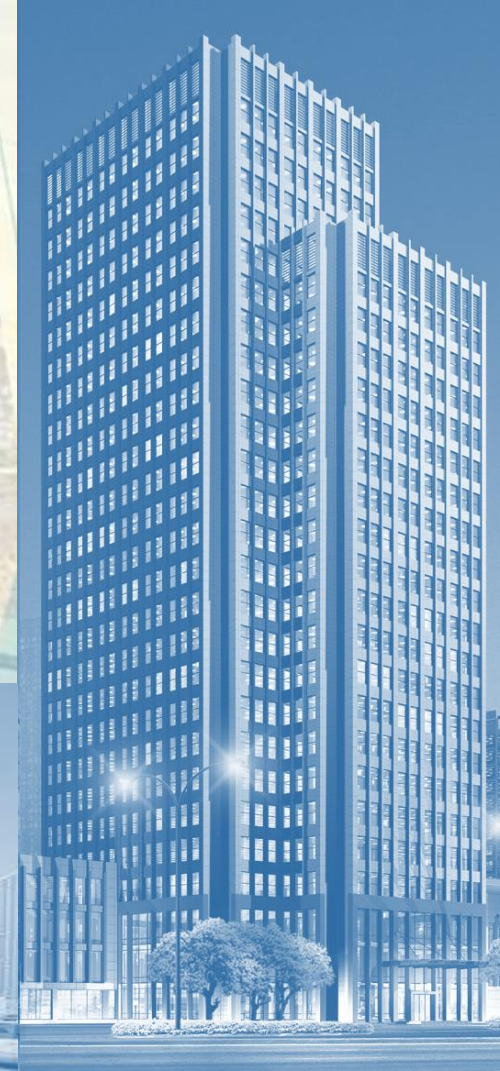


STRUCTURAL

Overview



- PART 1 –TECHNICAL DOCUMENTS PRODUCED BY THE CIVIL ENGINEER
 - In this section includes the following requirements:
 1. Site development plan
 2. Structural plans
 3. Structural analysis and design
 4. Boring and load test
 5. Seismic analysis
 6. Project/construction specifications
 7. Bill of materials
 8. Cost estimates
 - The applicant shall not start an online application without this documents produced by the Civil Engineer because the necessary data needed online comes from this documents.





Overview



STRUCTURAL CIVIL

- PART 2 – CIVIL/STRUCTURAL PERMIT FORM AND OTHER PERMITS APPLIED ONLINE
 - In this section includes the following requirements:
 1. Civil/structural permit
 2. Demolition permit
 3. Sign permit
 4. Excavation and Ground Preparation permit
 5. Scaffolding permit





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PART 1 TECHNICAL DOCUMENTS PRODUCED BY THE CIVIL ENGINEER





STRUCTURAL

Site Development Plan (NBCP Section 302-5a)



- Site development plan showing technical description, boundaries, orientation and position of proposed non-architectural horizontal structure such as:
 - sewerage treatment plan (STP), silos, elevated tanks, towers, fences, etc. building/structure in relation to the lot, existing or proposed access road and driveways and existing public utilities/services.
- Existing buildings within and adjoining the lot shall be hatched and distances between the proposed and existing buildings shall be indicated.





STRUCTURAL

Structural Plans (NBCP Section 302-5b)



- Foundation Plans and details at scale of not less than 1:100
- Floor/Roof Framing Plans and Details at scale of not less than 1:100.
- Details and Schedules of structural and civil works elements including dose for deep wells, water reservoir, pipe lines and sewer system.





STRUCTURAL CIVIL

Structural Plans (NBCP Section 302-5b)



- The following shall be indicated in the civil/structural plans to be submitted:
 1. General Construction Notes
 2. Foundation plan
 3. Second floor framing plan or succeeding floor framing (if with second floor and up)
 4. Roof Framing plan or roof deck plan
 5. Footing and column details
 6. Beams and roof beam details
 7. Slab details (if with second floor and up)
 8. Truss/Rafter details
 9. Details of stairs



CONSTRUCTION GENERAL NOTES

A. GENERAL NOTES

- CONSTRUCTION NOTES AND TYPICAL DETAIL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY ONLY AS INSTRUCTED BY THE STRUCTURAL ENGINEER.
- SHOP DRAWINGS WITH DIRECTION AND PLACING DIAGRAM OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PIPE STRESS, PIPE CAST WORKS, ETC. SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S APPROVAL.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ANY WORK IS BEGUN. CHECK MECHANICAL & ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES ETC. TO BE EMBEDDED IN CONCRETE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
- IN THE INTERPRETATION OF THESE DRAWINGS, INDICATED DIMENSIONS SHALL GOVERN AND DISTANCES OR SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
- ALL CONCRETE WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACI SPECIFICATIONS, IN SO FAR AS THEY DO NOT CONFLICT WITH LOCAL BUILDING CODE AND THESE NOTES.
- USE STRUCTURAL EPOXY FOR ALL CONSTRUCTION JOINTS AT WATER TANK, TOILET SLABS AND ROOF DECK SLAB.

B. CONCRETE AND REINFORCEMENT

- ALL CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT THE END OF 28 DAYS WITH CORRESPONDING MAXIMUM SIZE OF AGGREGATES AND SLUMPS AS FOLLOWS:

LOCATION	STRENGTH	MAX. SIZE	AGGREGATE	MAX. SLUMP
SLAB ON GRADE	20.7 MPa 3000 PSI	25 mm	1 INCH	100 mm
FOUNDATION	20.7 MPa 3000 PSI	25 mm	1 INCH	100 mm
BEAMS, SLABS, COLUMNS	20.7 MPa 3000 PSI	19 mm	3/4 INCH	100 mm
ALL OTHERS	20.7 MPa 3000 PSI	19 mm	3/4 INCH	100 mm
WATER TREATING STRUCTURES	27.5 MPa 4000 PSI	19 mm	3/4 INCH	100 mm
- CONCRETE SHALL BE IN ITS FINAL POSITION WITHOUT FLEMING. PLACING SHALL BE DONE PREFERABLY WITH BUCKETS, EXCAVATORS OR WHEELBARROWS. NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUCKETS, WHEELBARROWS OR EXCAVATORS IN WHICH CASE THEY WILL NOT EXCEED 4000 mm IN AGGREGATE LENGTH.
- NO DISPOSING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF PERMITS UNLESS AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER AND ONLY FOR UNUSUAL CONDITIONS WHERE VARIATION IS ESSENTIALLY NECESSARY TO ACCOMPLISH.
- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, FOR BEAMS, USE MINIMUM GRADE 60, $f_y = 275$ MPa OR AS NOTED. ALL REINFORCING BARS SHALL BE FREE FROM MILL SCALE OR ANY SURFACE WHICH TEND TO WEAKEN BOND STRENGTH.
- IN GENERAL, THE LATEST EDITION OF ACI-318 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

SUSPENDED SLAB	20mm
SLAB ON GRADE	40mm
WALLS	25mm
BEAM STRIPS AND COLUMN TIES	25mm
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORM	50mm
WHERE CONCRETE DEPOSITED DIRECTLY AGAINST EARTH	75mm

- SPICES SHALL BE SECURELY WROD TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE (TABLE OF LAP SPICES AND ANCHORAGE LENGTHS) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPICES SHALL NOT BE MORE THAN 50% OF THE BARS AT ANY ONE POINT.
- STIRRUP SPACING SHALL BE 1/4 OR 100mm (WHICH EVER IS LESSER) THROUGHOUT THE LENGTH OF SPICE. PROVIDE DOWELS FOR STRUT OF COLUMN BEARING OF BEAMS AND WALLS DOWN TO BE EQUAL IN NUMBER AND SIZE FOR STRUT OR COLUMN REINFORCEMENT. ALL DOWELS SHALL HAVE A MIN. EMBEDMENT OF 30 BAR DIAMETER.
- DEVELOPMENT LENGTH AND LAP SPICE LENGTH SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. DEVELOPMENT LENGTH (de)

- 180 Degree Bend plus 40% extension
- 90 Degree Bend plus 120% extension
- 45 Degree Bend plus 200% extension
- Straight plus 300% extension

- NOTE: 1. DEVELOPMENT LENGTH/LAP SPICE LENGTH SHALL NOT BE LESS THAN 300mm.
2. BASIC DEVELOPMENT LENGTH FOR TENSION BAR SHALL BE MULTIPLIED BY 1.30 FOR TOP BARS.

2. LAP SPICE LENGTH

	TENSION BARS	COMPRESSION BARS
TOP BARS	0.15fyde	0.10fyde
BOTTOM BARS	0.12fyde	0.08fyde

3. de = BAR DIAMETER.
4. fy = YIELD STRENGTH OF STEEL.

- ALL ANCHOR BOLTS, DOWEL AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
- CONTRACTOR SHALL NOTE AND PROVIDE MISCELLANEOUS CURB, STAIRS, STODGS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.
- ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF 7 CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF THE WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

C. STRIPPING OF FORMS AND SHORES

	FOUNDATION	SUSPENDED SLAB	WALLS & COLUMNS	BEAMS
	24 HOURS	14 DAYS	2 DAYS	14 DAYS

- CONCRETE AND REINFORCING BAR TESTS FREQUENCY AS STATED IN THE LATEST ACI CODE SHOULD BE DONE AT A RELEVANT TESTING INTERVAL AND MUST BE WITNESSED BY THE ON SITE PROJECT MANAGER AND A GOVERNMENT REPRESENTATIVE. ALL RESULTS MUST BE FORWARDED TO THE STRUCTURAL ENGINEER FOR EVALUATION AND APPROVAL.

C. STEEL

- ALL STEEL STRUCTURES SHALL CONFORM TO ASTM A615, FOR STEEL, USE A-58, $f_y = 248$ MPa. ALL STEEL SHALL BE FREE FROM MILL SCALE OR ANY DEFECT WHICH TEND TO WEAKEN THE STRENGTH.
- IN GENERAL, THE LATEST EDITION OF AISC STEEL MANUAL OF STANDARD PRACTICE FOR DETAILING STEEL STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
- ALL STEEL STRUCTURES WITH WELDING CONNECTION SHALL USED E - 70 XX ELECTRODE, $f_y = 70,000$ PSI.

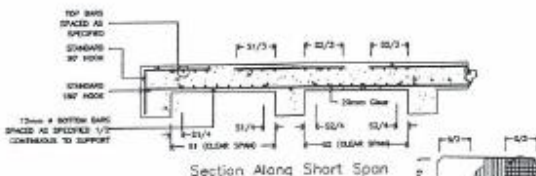
D. MASONRY CONCRETE BLOCKS

- ALL CONCRETE BLOCKS SHALL BE NORMAL WEIGHT, NON-LOAD BEARING TYPE.
- PROVIDE 1-16mm # VERTICAL BARS AT CORNER, INTERSECTIONS, END OF WALLS IN EACH SIDE OF OPENING.
- UNTEL BEAMS SHALL AT LEAST (0.20 M) ON EACH SIDE OF MASONRY WALL OPENING.
- WALL REINFORCEMENT SHALL BE AS FOLLOWS:

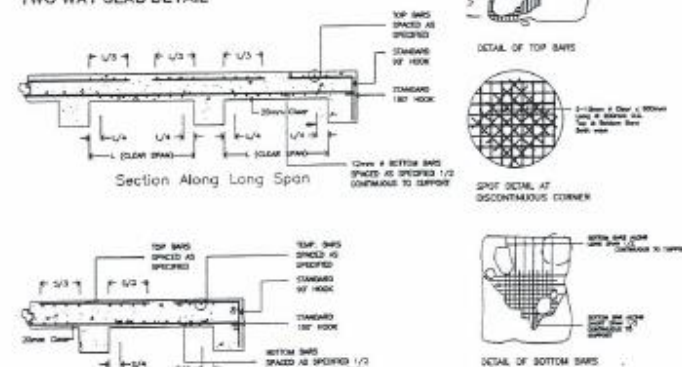
WALL THICKNESS	VERTICAL REINF.	HORIZONTAL REINF.
8" (200mm) EXTERIOR	10mm # @ 0.60 Meter	10mm # @ 0.60 Meter
6" (150mm) EXTERIOR	10mm # @ 0.60 Meter	10mm # @ 0.60 Meter
4" (100mm)	10mm # @ 0.60 Meter	10mm # @ 0.60 Meter
- REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 1.3 M WHERE SPICED. DOWELS FROM CONCRETE FOOTING OR SLAB SHALL EXTEND INTO THE BLOCK WALL 30 BAR DIA. DOWELS TO MATCH VERTICAL REINFORCING IN WALLS.
- FOR EXTERIOR WALLS, ALL CELLS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT. FOR INTERIOR WALLS ONLY CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE FILLED WITH CONCRETE GROUT.
- OTHER ALTERNATIVES SHALL BE SUBMITTED FOR THE STRUCTURAL ENGINEER'S APPROVAL.

E. NOTES ON CONCRETE SLAB CONSTRUCTION

- ALL SLAB REINFORCEMENTS SHALL BE AT LEAST 20mm CLEAR MINIMUM FROM BOTTOM AND TOP OF SLAB.
- FOR TWO-WAY SLAB SYSTEM, BARS ALONG THE SHORT SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN BARS NEAR THE SUPPORTS.
- TEMPERATURE BARS FOR SLABS SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.002 SL.
- LENGTH OF BAR CUT-OFF SHALL BE AS SPECIFIED IN FIGURE BELOW.



TWO WAY SLAB DETAIL



TYPICAL ONE WAY SLAB DETAIL

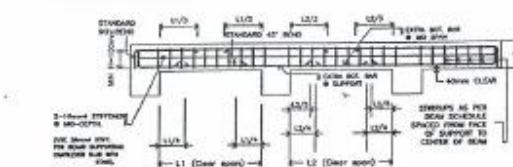
- UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, GAMER ALL R.C. SLABS ALONG SHORTER SPAN 3mm PER 3000mm.

F. WOOD

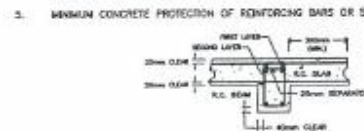
- ALL WOODEN MEMBERS SHALL BE AS SPECIFIED.
- LUMBER SHALL BE WELL-SEASONED, STRAIGHT AND FREE FROM LARGE, LOOSE OR UNSOUND KNOTS, SAPS, SHAKES AND OTHER IMPERFECTIONS IMPAIRING ITS STRENGTH, DURABILITY OR APPEARANCE.
- LUMBER SHALL BE PRESSURE-TREATED WITH COPPER ARSENIC SALT SOLUTION OR APPROVED EQUAL.

G. NOTES ON REINFORCED CONCRETE BEAMS AND GIRDERS

- UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, GAMER ALL R.C. BEAM AT LEAST 6mm FOR EVERY 4500mm AT CLEAR SPAN EXCEPT CANTILEVERS FOR WHICH THE CHAIRS SHALL BE NOTED IN PLANS AS ORDERED BY THE STRUCTURAL ENGINEER BUT IN NO CASE LESS THAN 10mm FOR EVERY 3000mm OF FREE SPAN.



- FOR BEAMS NOT SUBJECT TO TORSION AND FOR DEPTH LESS THAN 600mm, THERE IS NO NEED FOR STIFFENER BARS. FOR EVERY 400mm OR LESS INCREASE IN DEPTH, PROVIDE 1-16mm BAR EACH SIDE.
- IF BEAM REINFORCING BARS END IN WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL SHALL NOT BE LESS THAN 5 BAR DIAMETERS. THE REINFORCING BARS SHALL TERMINATE ON A STANDARD 90° HOOK, MINIMUM EMBEDMENT SHALL BE SPECIFIED IN D-D.
- IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25mm SEPARATORS BETWEEN LAYERS OF BARS AT 900mm O.C. IN NO CASE SHALL THERE BE LESS THAN TWO SEPARATORS BETWEEN LAYERS OF BARS.
- MINIMUM CONCRETE PROTECTION OF REINFORCING BARS OR SHAPES SHALL BE AS SHOWN BELOW.



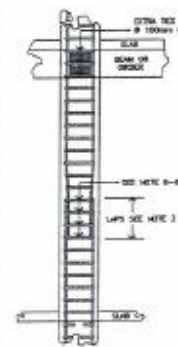
- WHEN A BEAM CROSSES A GIRDER, BEAM BARS SHALL BE ON TOP OF GIRDER BARS.
- GENERALLY, NO SPICE SHALL BE PERMITTED ON BEAMS AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR. SPICES SHALL BE FORTY (40) BAR DIAMETER FOR DEFORMED BARS. WELDED SPICES SHALL DEVELOP IN TENSION AT LEAST 120 PERCENT OF THE SPECIFIED YIELD STRENGTH OF THE BAR, NOT MORE THAN 50 PERCENT OF THE BARS AT ANY SECTION SHALL BE SPICED THEREIN.
- NO CONSTRUCTION JOINT SHALL PERMITTED ON BEAMS AND SLABS AT POINTS WHERE CRITICAL SHEAR STRESSES OCCUR.

H. NOTES ON PIPES PASSING THRU BEAMS AND SHEAR WALLS

- ALL PIPES CROSSING BEAMS SHOULD HAVE SLEEVES OF SCHEDULE 40 SL PIPE. ALL PIPES SHOULD BE PLACED WITHIN THE WHOLE THROSE OF BEAMS. BOTTOM OF PIPE SLEEVES SHOULD BE LOCATED TWO-THIRDS OF BEAM DEPTH FROM THE TOP OF THE FLOOR SLAB. NO TWO PIPE SLEEVES SHOULD BE WITHIN 500mm (CLEAR SPACING) FROM EACH OTHER. MAXIMUM SIZE OF PIPE SLEEVES SHOULD BE LIMITED TO ONE-FOURTH (1/4) OF THE BEAM DEPTH.
- PIPE SLEEVES SHALL ONLY BE ALLOWED TO PASS THRU BEAMS ON THE SIDES BUT NOT HORIZONTALLY NOR ALONG THE LENGTH OF THE BEAM.
- ON SHEAR WALLS, DO NOT PUT/PLACE PIPE SLEEVES WITHIN A DISTANCE OF 1000mm FROM THE BOUNDARY ELEMENTS.

I. NOTES ON COLUMNS

- CONFINEMENT TIES SHALL BE PROVIDED ON ALL COLUMNS AT BEAM/COLUMN INTERSECTION AS SHOWN IN FIGURE AT RIGHT UNLESS OTHERWISE SHOWN IN STRUCTURAL PLANS.
- COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE OF MINIMUM THICKNESS OF 40mm.
- SPICES SHOULD BE MADE WITHIN THE CENTER HALF OF THE COLUMN LENGTH AND BE EQUAL TO 40 BAR DIAMETER.
- SPICES TO BE CONFIRMED BY A MINIMUM OF 3 LINKS. TOP MOST LINK TO BE AT TOP OF LOWER SPICE BAR.
- NO MORE THAN HALF OF BARS MAY BE SPICED AT ANY ONE SECTION. SPICES MUST BE AT LEAST 0.60 METER APART FROM EACH OTHER.
- NO BAR SHALL BE FARTHER THAN 150mm CLEAR ON EACH SIDE ALONG THE TIE FROM SUCH A LATERALLY SUPPORTED BAR.
- SPICE FOR LONGITUDINAL BARS WITH COUPLING CAN BE CONSIDERED SUBJECT TO THE FINAL APPROVAL OF THE STRUCTURAL ENGINEER.



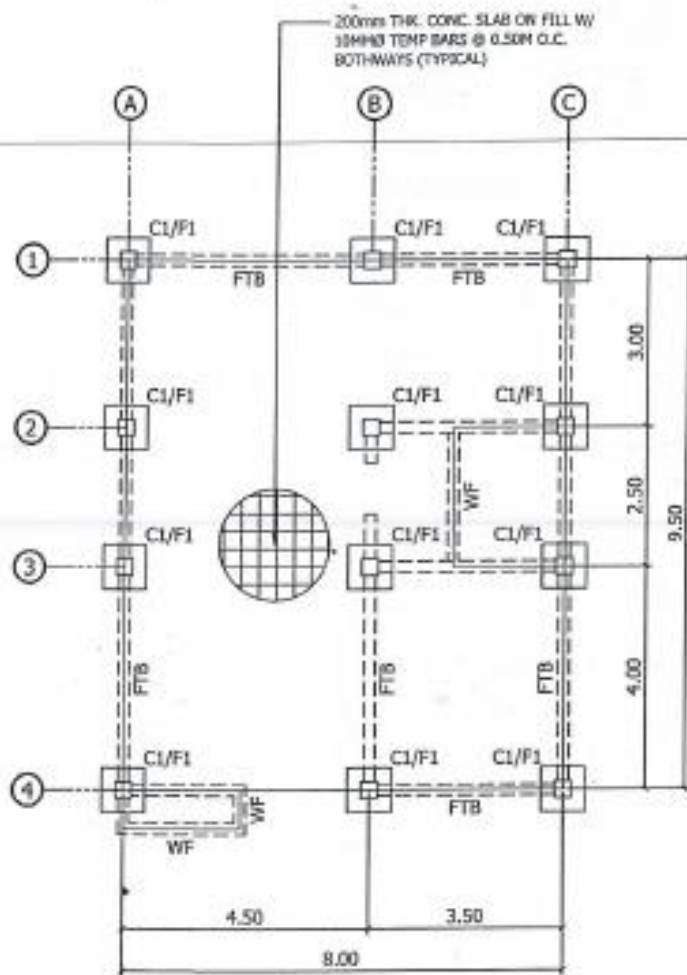
J. FOUNDATION

- FOUNDATION IS DESIGNED WITH NET BEARING CAPACITY OF 1,200 PSF (13.4 KPa) AT MIN. DEPTH OF 1200mm.

INTERIOR COLUMN



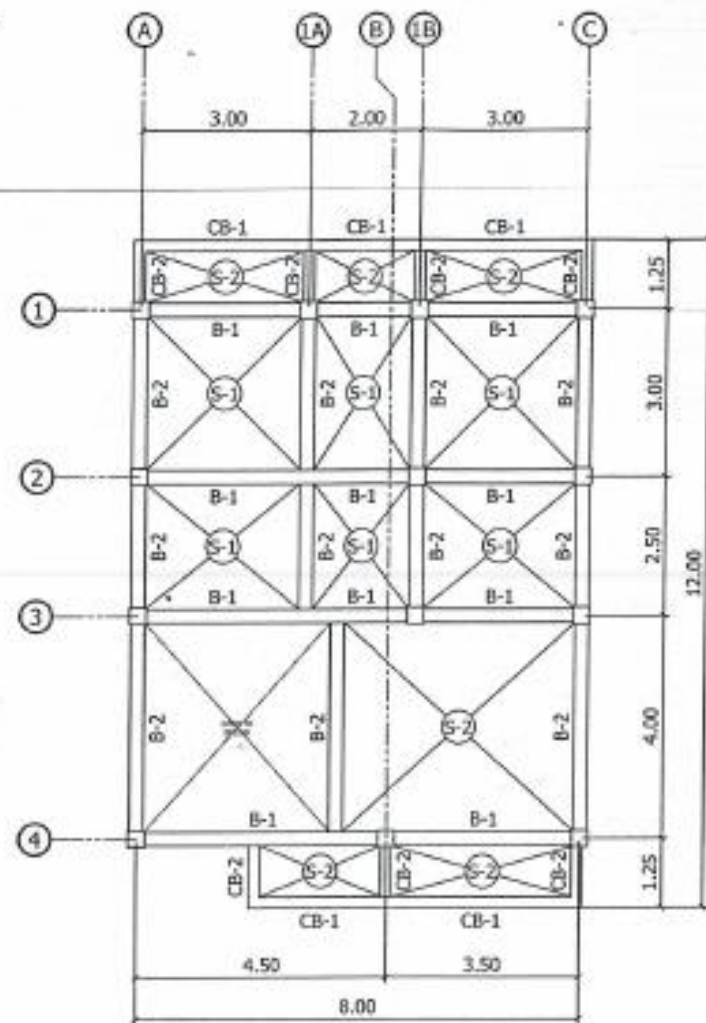
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01 FOUNDATION PLAN

ST-01 SCALE

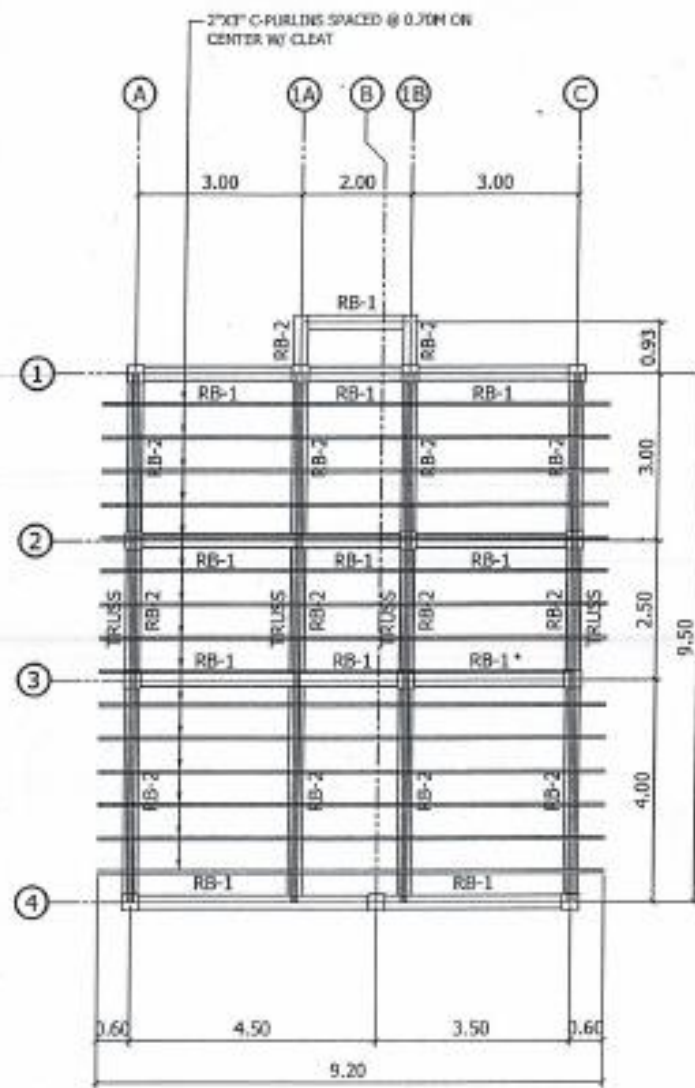
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02 SECOND FLOOR FRAMING PLAN

ST-01 SCALE

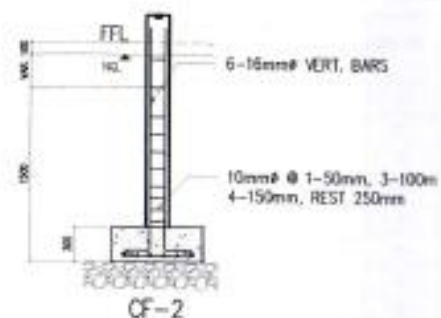
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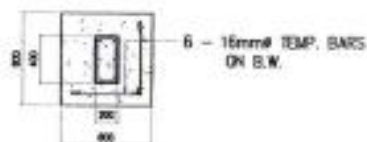
03 ROOF FRAMING PLAN

ST-01 SCALE

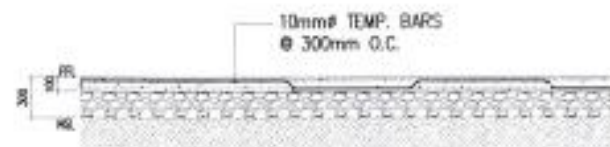
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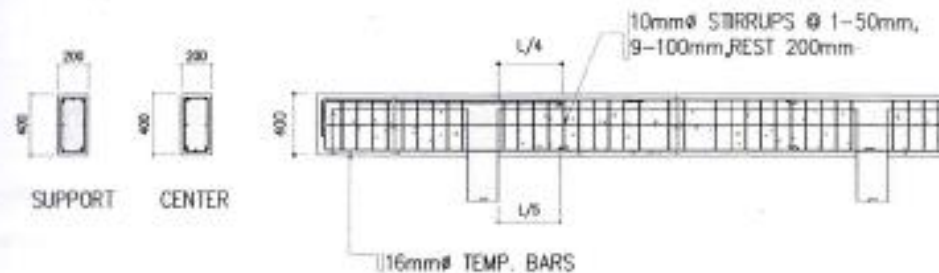
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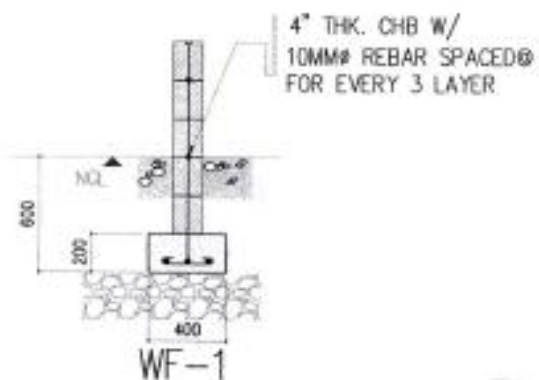
SCALE 1:50 METERS



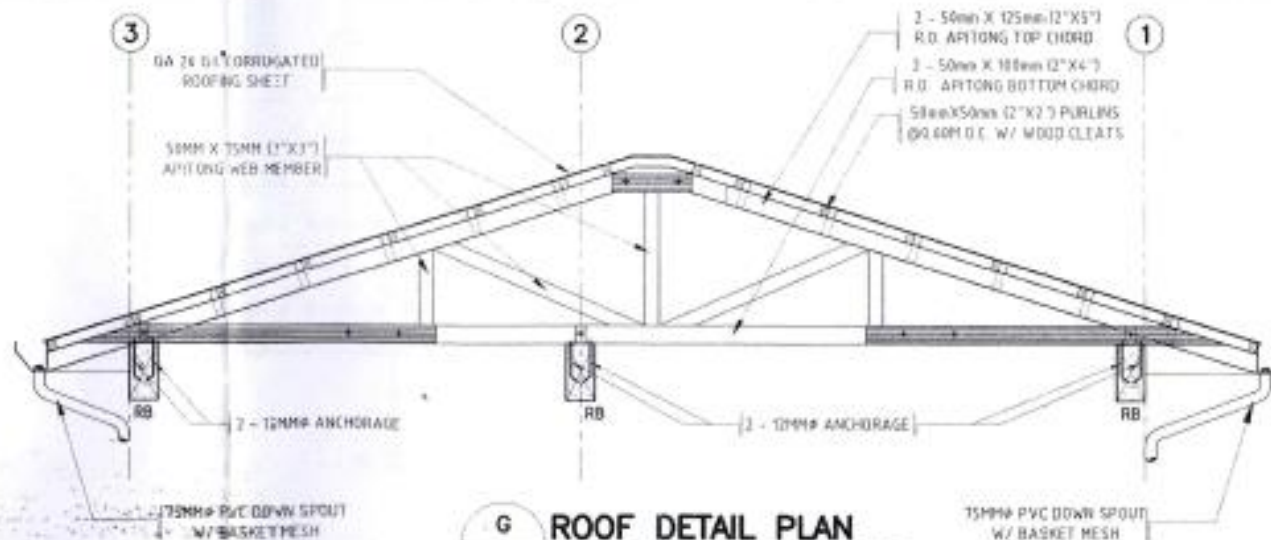
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SCALE NOT TO SCALE



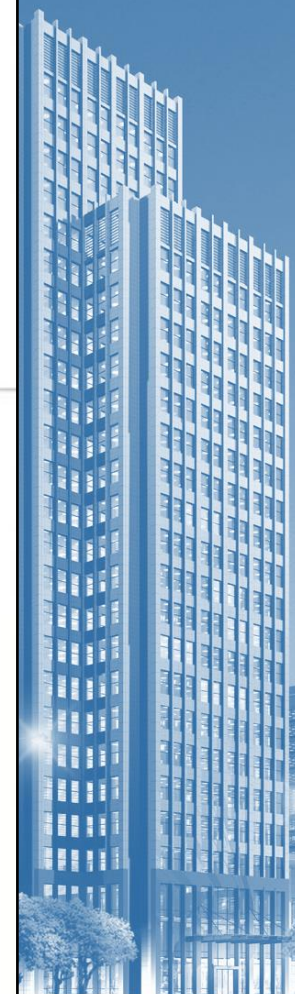
SCALE 1 : 50 METERS



SCALE 1 : 40 METERS



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STRUCTURAL CIVIL

Structural Analysis and Design (NBCP Section 302-5c)



- Structural analysis and design for all/building/structures except for one storey and single detached building/structure with a total floor area of 20.00 sq. meters or less.
- It is submitted with signed and sealed by the civil engineer or structural engineer





STRUCTURAL CIVIL

Structural Analysis and Design (NBCP Section 302-5c)



- The following shall be indicated in the structural analysis to be submitted:
 1. Frame of analysis
 2. Design of Purlins
 3. Design of Trusses or Rafter
 4. Design of beams
 5. Design of slabs (if with 2nd floor and up)
 6. Design of columns
 7. Design of footing
 8. Design of Stairs





STRUCTURAL

Boring and Load Tests (NBCP Section 302-5d)



- Building or structures of three (3) storeys and higher, boring tests and, if necessary, load tests shall be required in accordance with the applicable latest approved provisions of the National Structural Code of the Philippines (NSCP).
- However, adequate soil exploration (including boring and load tests) shall also be required for lower building/structures at areas with potential geological/geotechnical hazards.
- The written report of the civil/geotechnical engineer including but not limited to the design bearing capacity as well as the result of tests shall be submitted together with the other requirement in the application for building permit.
- Boring test or load test shall also be done according to the applicable provisions of the NSCP which set forth requirements governing excavation, grading and earthwork construction, including fills and embankments for any building/structure and for foundation and retaining structures.





Foundation Investigation (NSCP Section 303)

303.1 General- Foundation investigation shall be conducted and a Professional Report shall be submitted at each building site for structures two storeys or higher, an exhaustive geotechnical study shall be performed to evaluate in-situ soil parameters for foundation design and analysis.

Table 303-1 Minimum required number of boreholes per structure.

FOOT PRINT AREA OF STRUCTURE (sq.m.)	MINIMUM NUMBER OF BOREHOLES
$A \leq 50$	1
$50 \leq A \leq 500$	2
$A \geq 500$	$2 + (A / 1000)$ Rounded up to the nearest integer



Seismic Analysis (NBCP Section 302-5e)

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- NSCP Section 208 EARTHQUAKE LOADS
 - 208.1 Minimum Seismic Design – Structures and portions thereof shall, as a minimum, be designed and constructed to resist the effects of seismic ground motions as provided in this section.





STRUCTURAL

Required Documents (NBCP Section 302-5f.)

- Project/ Construction Specifications – a documentary requirement for building permit applications of structures except for residential abode. This type of document is produced, signed and sealed by the Architect or Civil engineer and approved by the building owner.





STRUCTURAL CIVIL

Project/Construction Specifications



SAMPLE CONSTRUCTION SPECIFICATIONS

PROJECT: _____
OWNER: _____
LOCATION: _____

This set of specifications shall govern the methods of construction and kinds of materials to be used for Project shown on the accompanying plans and detailed drawings.

The plans, detailed drawings and the specifications shall be considered as complementing each other so that what is mentioned or shown in one, although not mentioned or shown in the other, shall be considered as appearing in both. Any conflict to be found between two should be referred to the designing Architect/Engineer for resolution.

GENERAL CONDITIONS

All parts of the construction shall be finished with first class workmanship, to the fullest talent and meaning of the plans and these Specifications, and to the entire satisfaction of the Architect/Engineer and the owner.

The construction shall conform to all the requirements of the National Building Code, as well as the local rules and regulations of the City of Puerto Princesa, Palawan, Philippines.

CLEARING THE SITE

The building site shall be leveled according to the plans and cleared of rubbish, roots and other perishable and objectionable matters to a suitable subgrade.

All such unsuitable materials shall be removed from the building site and spread uniformly over the areas adjacent to the proposed building, or otherwise disposed of as may be directed by the Architect or Engineer in charge of the construction.

STAKING OUT THE BUILDING LINE

The building line shall be staked out and all lines and grades shown in the drawing established before any excavation is started. Batter boards and reference marks shall be erected at such places where they will not be disturbed during excavation of the building.

EXCAVATION

All excavations shall be made to grade indicated in the drawings. Where the building site is covered with any kind of fill, the excavation for footings should be made deeper until the stratum for safe bearing capacity of the soil is reached.

Whenever water is encountered in the excavation process, it shall be removed by bailing or pumping, care being taken that the surrounding soil particles are not disturbed or removed.

Upon completion of the painting works, the painting contractor shall remove any paint spots from all finished work. He shall present his work to the Project owner or Architect/Engineer in-charge of construction, free from blemishes and rubbish generated by his works.

It shall be the painting contractor's responsibility to protect his work and those of other contractors during the time his work is underway. He shall be responsible for any damage to the work or property of others caused by his employees or by himself.

Before any painting is done, all surfaces shall be cleaned, smoother and freed from dust, dirt, grease, mortar, rust and other foreign substances. All parts where paint remover has been used shall be washed off with paint or lacquer thinner. All paints shall be spread evenly and carefully.

All paint and paint materials shall be delivered to the building site unbroken packages, bearing the marks of the specified brand. No adulteration of specified paints with other brands shall be allowed.

Prepared:

Approved:

Architect or Civil Engineer

Project/Building Owner



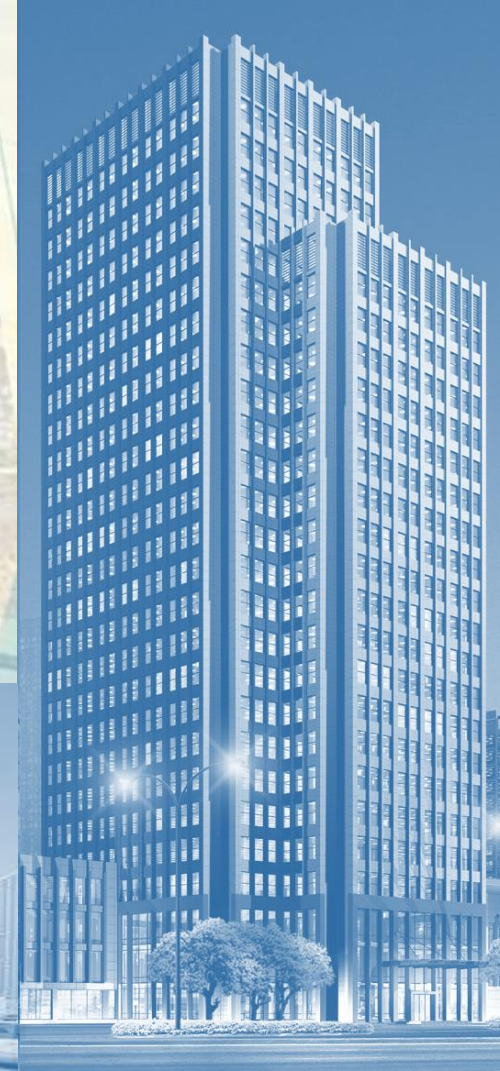
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Required Documents (NBCP Section 302-5f.)



- Bill of Materials – a documentary requirement for building permit application to be produced, signed and sealed by the Architect, Civil Engineer indicating the quantity of materials, unit cost and total cost of the project.





STRUCTURAL CIVIL

BILL OF MATERIALS

PROJECT: _____
OWNER: _____
LOCATION: _____

Description	Quantity	Unit	No. of Days	Unit Cost	Total Cost
1. Clearing & Grubbing					
Manpower					
Supervisor	1		2	1000	PHP 2,000.00
Foreman	1		2	500	PHP 1,000.00
Laborer	2		2	300	PHP 1,200.00
				TOTAL	PHP 4,200.00
2. Foundation Excavation					
Manpower					
Supervisor	1		2	1000	PHP 2,000.00
Foreman	1		2	500	PHP 1,000.00
Laborer	2		2	300	PHP 1,200.00
				TOTAL	PHP 4,200.00
3. Concreting of Foundation					
Materials					
Cement	14	bags		250	PHP 3,500.00
Sand	0.75	cu.m.		1000	PHP 750.00
Gravel	2.25	cu.m.		1000	PHP 2,250.00
				TOTAL	PHP 6,500.00
Manpower					
Supervisor	1		1.5	1000	PHP 1,000.00
Foreman	1		1.5	500	PHP 500.00
Mason/Carp.	2		1.5	400	PHP 800.00
Laborer	15		1.5	300	PHP 4,500.00
				TOTAL	PHP 6,800.00
Equipment Rental					
Bagger Mixer	1			2000	PHP 2,000.00
				TOTAL	PHP 2,000.00

TOTAL MATERIAL COST	PHP 6,500.00
TOTAL MANPOWER & EQUIPMENT COST	PHP 17,200.00
TOTAL PROJECT COST	PHP 23,700.00

Prepared: _____

Architect or Civil Engineer

Approved: _____

Building Owner



OCBO



STRUCTURAL

Required Documents (NBCP Section 302-5f.)



- Cost Estimates – a documentary requirement for building permit application to be produced, signed and sealed by the Architect or Civil Engineer, indicating the quantity estimate, manpower requirement, unit cost and project cost.





STRUCTURAL CIVIL

COST ESTIMATE

PROJECT: _____
OWNER: _____
LOCATION: _____

1 Clearing and Grubbing

a. Quantity Estimate:

$L = 10 \times W = 10$
 $A = 100 \text{ sq.m.}$

b. Manpower & Equipment requirement:

Capability Output:

Medium Clearing = 25 sq.m/man-day

Man-days = $\frac{\text{Area}}{\text{Cap. Output}} = \frac{100}{25} = 4 \text{ man-days}$

c. Completion

No. of Days = $\frac{\text{Man-days}}{\text{Laborers}} = \frac{4}{2} = 2 \text{ days}$

e. Summary: Clearing and Grubbing

Description	Quantity	Unit	No. of Days	Unit Cost	Total Cost
Manpower					
Supervisor	1		2	1000	PHP 2,000.00
Foreman	1		2	500	PHP 1,000.00
Laborer	2		2	300	PHP 1,200.00
				TOTAL	PHP 4,200.00

2 Foundation Excavation

a. Quantity Estimate:

$V = 1 \times W = 1 \times D = 1$
 $V = 6 \text{ cu.m.}$ No. of Footing 6

b. Manpower & Equipment requirement:

Capability Output:

Unclassified Excavation = 1.5 cu.m/man-day

Man-days = $\frac{\text{Volume}}{\text{Cap. Output}} = \frac{6}{1.5} = 4.00 \text{ man-days}$

c. Completion

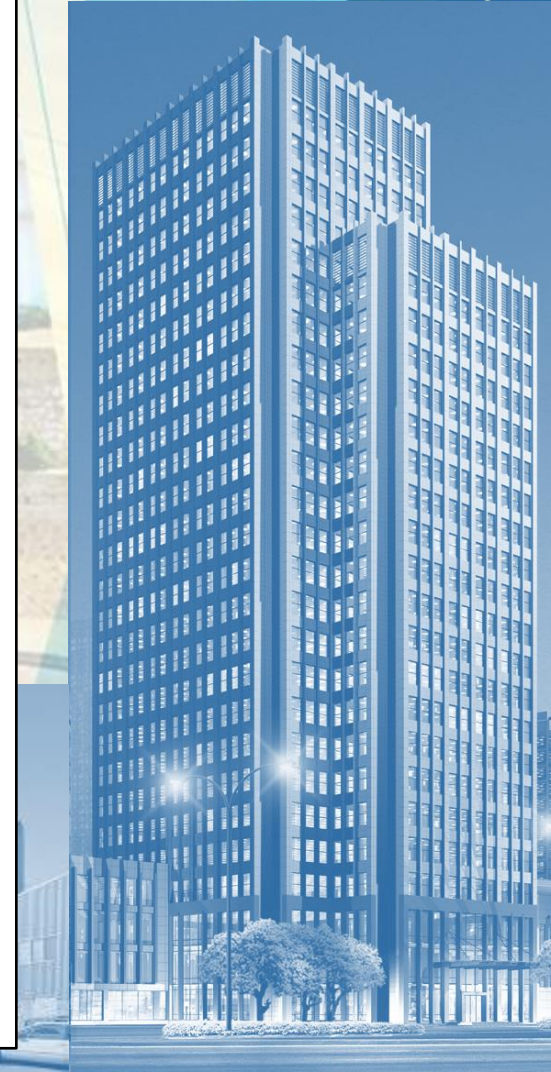
No. of Days = $\frac{\text{Man-days}}{\text{Laborers}} = \frac{4.00}{2} = 2.00 \text{ days}$

e. Summary: Foundation Excavation

Description	Quantity	Unit	No. of Days	Unit Cost	Total Cost
Manpower					
Supervisor	1		2	1000	PHP 2,000.00
Foreman	1		2	500	PHP 1,000.00
Laborer	2		2	300	PHP 1,200.00
				TOTAL	PHP 4,200.00



OCBO





STRUCTURAL CIVIL

3 Concreting of Footing

a. Quantity Estimate:

	L	x	W	x	t	x	No. of Footing
V =	1	x	1	x	0.25	x	6
V =	1.5	cu.m.					

b. Material Cost

Class A							
Cement		■	9.08	x	1.5	■	14 bags
Sand		■	0.5	x	1.5	■	0.75 cu.m.
Gravel		■	1.5	x	1.5	■	2.25 cu.m.

c. Manpower & Equipment requirement:

Capability Output:

Using 1 bagger mixer = 1 cu.m. per day

Gang

1 Foreman 2 Mason/Carpent 15 Laborer

d. Completion

	Volume	+	Cap. Output		
No. of Days =	1.5	+	1	=	1.5 days

e. Summary: Concreting of Footing

Description	Quantity	Unit	No. of Days	Unit Cost	Total Cost
Materials					
Cement	14	bags		250	PHP 3,500.00
Sand	0.75	cu.m.		1000	PHP 750.00
Gravel	2.25	cu.m.		1000	PHP 2,250.00
Manpower					
Supervisor	1		1.5	1000	PHP 1,000.00
Foreman	1		1.5	500	PHP 500.00
Mason/Carp.	2		1.5	400	PHP 800.00
Laborer	15		1.5	300	PHP 4,500.00
Equipment Rental					
Bagger Mixer	1			2000	PHP 2,000.00
				TOTAL	PHP 15,300.00

Prepared:

Approved:

Architect or Civil Engineer

Building Owner

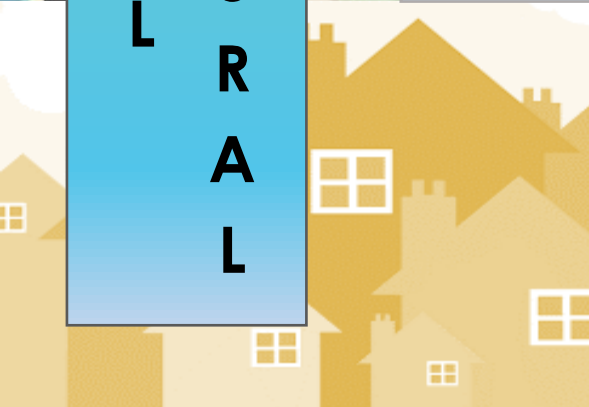


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PART 2

CIVIL/STRUCTURAL PERMIT FORM AND OTHER REQUIRED PERMITS APPLIED ONLINE





Required Documents (NBCP Section 302-5f.)



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- **Civil Structural Permit Form** – this is an online ancillary document required for civil structural when applying building permit for all types of structures. This form is to be filled-up, signed and sealed by the Civil/Structural Engineer who designed, prepared plans and specifications of the structure together with the signature of the owner and lot owner.





STRUCTURAL CIVIL



Republic of the Philippines
City of PUERTO PRINCESA
Province of PALAWAN



OFFICE OF THE BUILDING OFFICIAL

CIVIL/STRUCTURAL PERMIT

APPLICATION NO. C/SP NO. BUILDING PERMIT

BOX 1 (TO BE ACCOMPLISHED IN PRINT BY THE OWNER/APPLICANT)

OWNER/APPLICANT	LAST NAME	FIRST NAME	MI	TIN
FOR CONSTRUCTION: FORM OF OWNERSHIP USE OR CHARACTER OF OCCUPANCY				
BY AN ENTERPRISE ADDRESS: NO. STREET BARANGAY CITY/MUNICIPALITY ZIP CODE TELEPHONE NO.				
LOCATION OF CONSTRUCTION: LOT NO BLK. NO. TCT NO TAX DEC. NO.				
STREET BARANGAY CITY OF PUERTO PRINCESA				
SCOPE OF WORK				
<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> RENOVATION	<input type="checkbox"/> RAISING		
<input type="checkbox"/> ERECTION	<input type="checkbox"/> CONVERSION	<input type="checkbox"/> DEMOLITION		
<input type="checkbox"/> ADDITION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> ACCESSORY BUILDING/STRUCTURE		
<input type="checkbox"/> ALTERATION	<input type="checkbox"/> MOVING	<input type="checkbox"/> OTHERS (Specify)		

BOX 2 (TO BE ACCOMPLISHED BY THE DESIGN PROFESSIONAL)

NATURE OF CIVIL/STRUCTURAL WORKS:		
<input type="checkbox"/> STAKING	<input type="checkbox"/> ERECTION/LIFTING	<input type="checkbox"/> PRESTRESS WORKS
<input type="checkbox"/> EXCAVATION	<input type="checkbox"/> CONCRETE FRAMING	<input type="checkbox"/> MATERIAL TESTING
<input type="checkbox"/> SOIL STABILIZATION	<input type="checkbox"/> STRUCTURAL STEEL FRAMING	<input type="checkbox"/> STEEL TOWERS
<input type="checkbox"/> PILING WORKS	<input type="checkbox"/> SLABS	<input type="checkbox"/> TANKS
<input type="checkbox"/> FOUNDATION	<input type="checkbox"/> WALLS	<input type="checkbox"/> OTHERS (Specify)
PREPARED BY		

BOX 3

DESIGN PROFESSIONAL, PLANS AND SPECIFICATIONS	
Date	
CIVIL/STRUCTURAL ENGINEER	
(Signed and Sealed Over Printed Name)	
Date	
Address	
PRC No.	Validity
PR No.	Date Issued
Issued at	TIN

BOX 5

BUILDING OWNER		
Date		
(Signature Over Printed Name)		
Address		
C. T. C. No	Date Issued	Place Issued

BOX 4

SUPERVISOR/IN-CHARGE OF CIVIL/ STRUCTURAL WORKS	
Date	
CIVIL/STRUCTURAL ENGINEER	
(Signed and Sealed Over Printed Name)	
Date	
Address	
PRC No.	Validity
PR No.	Date Issued
Issued at	TIN

BOX 6

WITH MY CONSENT: LOT OWNER		
Date		
(Signature Over Printed Name)		
Address		
C. T. C. No	Date Issued	Place Issued

BOX 7 (TO BE ACCOMPLISHED BY THE PROCESSING & EVALUATION SECTION)

RECEIVED BY:	DATE:
FOUR (4) SETS OF CIVIL/STRUCTURAL DOCUMENTS	
<input type="checkbox"/> CIVIL/STRUCTURAL DESIGN COMPUTATION, PLANS AND SPECIFICATIONS	<input type="checkbox"/> COST ESTIMATES
<input type="checkbox"/> BILL OF MATERIALS	<input type="checkbox"/> OTHERS (Specify)

BOX 8

	PROGRESS FLOW				PROCESSED BY:
	IN		OUT		
	DATE	TIME	DATE	TIME	
CIVIL/STRUCTURAL					
OTHERS (Specify)					

BOX 9

ACTION TAKEN:

PERMIT IS HEREBY ISSUED SUBJECT TO THE FOLLOWING:

- That under Article 1723 of the Civil Code of the Philippines, the engineer (or architect) who drew up the plans and specifications for the building/structure is responsible for damages if within fifteen (15) years from the completion of the building/structure, the same should collapse due to defect in the plans or specifications or defect in the ground. The engineer or architect who supervises the construction shall be solidarily liable with the contractor should the edifice collapse due to defect in the construction or the use of inferior materials.
- That the proposed civil/structural works shall be in accordance with the civil/structural plans filed with this office and in conformity with the latest National Structural Code of the Philippines, the National Building Code and its IRR.
- That prior to any construction activity, a duly accomplished prescribed "Notice of Construction" shall be submitted to the Office of the Building Official.
- That upon completion of the construction, the licensed full-time inspection and supervisor/in-charge of construction works shall submit the entry to the logbook duly signed and sealed to the Building Official including as-built plans and other documents and shall also accomplish and submit a certificate of completion stating that the civil/structural works conform to the
- That this permit is null and void unless accompanied by the building permit

RECOMMENDING APPROVAL:

PACIFICO F. SETIAS III
Structural Engineer III
Office of the City Building Official

PERMIT ISSUED BY:

REX G. BUNDAC, CE, EnP
City Building Official



OCBO



STRUCTURAL CIVIL

Civil Structural Permit Form



CIVIL/STRUCTURAL PERMIT

APPLICATION NO.

--	--	--	--	--	--	--	--	--	--

C/SP NO.

--	--	--	--	--	--	--	--	--	--

BUILDING PERMIT

--	--	--	--	--	--	--	--	--	--

BOX 1 (TO BE ACCOMPLISHED IN PRINT BY THE OWNER/APPLICANT)

OWNER/APPLICANT LAST NAME FIRST NAME M.I. TIN

FOR CONSTRUCTION:

FORM OF OWNERSHIP

USE OR CHARACTER OF OCCUPANCY

BY AN ENTERPRISE

ADDRESS: NO., STREET, BARANGAY, CITY/MUNICIPALITY, ZIP CODE TELEPHONE NO.

LOCATION OF CONSTRUCTION: LOT NO BLK. NO. TCT NO TAX DEC. NO.

STREET BARANGAY CITY OF PUERTO PRINCESA

SCOPE OF WORK

☐

NEW CONSTRUCTION

☐

RENOVATION

☐

RAISING

☐

ERECTION

☐

CONVERSION

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DEMOLITION

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ADDITION

☐

REPAIR

☐

ACCESSORY BUILDING/STRUCTURE

☐

ALTERATION

☐

MOVING

☐

OTHERS (Specify)



STRUCTURAL CIVIL

Civil Structural Permit Form



BOX 2 (TO BE ACCOMPLISHED BY THE DESIGN PROFESSIONAL)

NATURE OF CIVIL/STRUCTURAL WORKS:

- | | | |
|---|---|---|
| <input type="checkbox"/> STAKING | <input type="checkbox"/> ERECTION/LIFTING | <input type="checkbox"/> PRESTRESS WORKS |
| <input type="checkbox"/> EXCAVATION | <input type="checkbox"/> CONCRETE FRAMING | <input type="checkbox"/> MATERIAL TESTING |
| <input type="checkbox"/> SOIL STABILIZATION | <input type="checkbox"/> STRUCTURAL STEEL FRAMING | <input type="checkbox"/> STEEL TOWERS |
| <input type="checkbox"/> PILING WORKS | <input type="checkbox"/> SLABS | <input type="checkbox"/> TANKS |
| <input type="checkbox"/> FOUNDATION | <input type="checkbox"/> WALLS | <input type="checkbox"/> OTHERS (Specify) _____ |

PREPARED BY _____

BOX 3

DESIGN PROFESSIONAL, PLANS AND SPECIFICATIONS

_____ Date _____

CIVIL/STRUCTURAL ENGINEER

(Signed and Sealed Over Printed Name)

Date _____

Address _____

PRC No.

Validity

PTR No.

Date Issued

Issued at

TIN

BOX 4

SUPERVISOR/IN-CHARGE OF CIVIL/ STRUCTURAL WORKS

_____ Date _____

CIVIL/STRUCTURAL ENGINEER

(Signed and Sealed Over Printed Name)

Date _____

Address _____

PRC No.

Validity

PTR No.

Date Issued

Issued at

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Civil Structural Permit Form

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BOX 5

BUILDING OWNER

(Signature Over Printed Name)

Address

C. T. C. No

Date Issued

Place Issued

BOX 6

WITH MY CONSENT: LOT OWNER

(Signature Over Printed Name)

Address

C. T. C. No

Date Issued

Place Issued



STRUCTURAL CIVIL

Civil Structural Permit Form



BOX 7 (TO BE ACCOMPLISHED BY THE PROCESSING & EVALUATION SECTION

RECEIVED BY:

DATE:

FOUR (4) SETS OF CIVIL/STRUCTURAL DOCUMENTS

☐ CIVIL/STRUCTURAL DESIGN COMPUTATION, PLANS AND SPECIFICATIONS

☐ COST ESTIMATES

☐ BILL OF MATERIALS

☐ OTHERS (Specify) _____

BOX 8

PROGRESS FLOW

	IN		OUT		PROCESSED BY:
	DATE	TIME	DATE	TIME	
CIVIL/STRUCTURAL					
OTHERS (Specify)					



STRUCTURAL CIVIL

Civil Structural Permit Form



BOX 9

ACTION TAKEN:

PERMIT IS HEREBY ISSUED SUBJECT TO THE FOLLOWING:

1. That under Article 1723 of the Civil Code of the Philippines, the engineer (or architect) who drew up the plans and specifications for the building/structure is responsible for damages if within fifteen (15) years from the completion of the building/structure, the same should collapse due to defect in the plans or specifications or defect in the ground. The engineer or architect who supervises the construction shall be solidarily liable with the contractor should the edifice collapse due to defect in the construction or the use of inferior materials.
2. That the proposed civil/structural works shall be in accordance with the civil/structural plans filed with this office and in conformity with the latest National Structural Code of the Philippines, the National Building Code and its IRR.
3. That prior to any construction activity, a duly accomplished prescribed "Notice of Construction" shall be submitted to the Office of the Building Official.
4. That upon completion of the construction, the licensed full-time inspection and supervisor/in-charge of construction works shall submit the entry to the logbook duly signed and sealed to the Building Official including as-built plans and other documents and shall also accomplish and submit a certificate of completion stating that the civil/structural works conform to the provisions of the National Structural Code of the Philippines, the National Building Code and its IRR.
5. That this permit is null and void unless accompanied by the building permit



STRUCTURAL CIVIL

Civil Structural Permit Form



RECOMMENDING APPROVAL:

PACIFICO F. SETIAS III
Civil Engineer III

PERMIT ISSUED BY:

REX G. BUNDAC, CE, EnP

City Building Official

Signature Over Printed Name

Date _____



Other Related/Required Documents Applied Online

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- **Demolition Permit Form-** is an online application form applied and filled-up by the applicant if he/she is to demolish an existing structure before constructing a new structure within the location of the existing structure to be demolish or to demolish a dilapidated or ruinous building.





STRUCTURAL



Republic of the Philippines
City of Puerto Princesa
Province of PALAWAN



OFFICE OF THE CITY BUILDING OFFICIAL

DEMOLITION PERMIT

APPLICATION NO.	DP NO.	BUILDING PERMIT NO.
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10

BOX 1 (TO BE ACCOMPLISHED BY THE OWNER/APPLICANT)

OWNER/APPLICANT	LAST	FIRST	M.I.	TIN
FOR CONSTRUCTION OWNED BY AN ENTERPRISE		FORM OF OWNERSHIP	USE OR CHARACTER OF OCCUPANCY	
ADDRESS	NO.	STREET	BARANGAY	CITY/MUNICIPALITY
LOCATION OF CONSTRUCTION		NO.	BLK NO.	TCT NO.
STREET		BARANGAY		CITY OF PUERTO PRINCESA
SCOPE OF WORK		<input type="checkbox"/> DEMOLITION <input type="checkbox"/> Others (specify)		

BOX 2

FULL-TIME INSPECTOR AND SUPERVISOR OF DEMOLITION WORKS

ARCHITECT/ CIVIL ENGINEER (Signature Over Printed Name)	Date	Address:	Rel No.:
		PRC NO.:	Validity:
		PTR NO.:	Date Issued:
		Issued at:	TIN:

BOX 3 (TO BE ACCOMPLISHED BY THE APPLICANT)

APPLICANT:	WITH MY CONSENT: LOT OWNER
Signature Over Printed Name	Signature Over Printed Name
Date	Date
Address:	Address:
C.T.C No.:	C.T.C No.:
Date:	Date:
Place Issued:	Place Issued:

BOX 4

REPUBLIC OF THE PHILIPPINES) S.S. CITY OF PUERTO PRINCESA)			
BEFORE ME, at the City of _____ on _____ personal			
appeared the following:			
APPLICANT	CTC NO	Date Issued	Place Issued
Licensed Architect or Civil Engineer (Full-Time Inspector and Supervisor of Demolition Works)	CTC NO	Date Issued	Place Issued
whose signature appear herein above, known to me to be the same persons who executed this standard form and acknowledged to me that the same is their free and voluntary act and deed.			
WITNESS MY HAND AND SEAL on the date and place above written.			

Doc. No.	_____
Page No.	_____
Book No.	_____
Series No.	_____

Notary Public (until December)

BOX 5 (TO BE ACCOMPLISHED BY THE EVALUATION SECTION)

FEE PAID	_____	OFFICIAL RECEIPT NO.	_____
DATE PAID	_____	DATE ISSUED	_____

BOX 6 (TO BE ACCOMPLISHED BY THE BUILDING OFFICIAL)

ACTION TAKEN:

Permit is hereby issued/granted to demolish your _____

subject to the following conditions.:

- The demolition shall be undertaken in accordance with Rule XI on protection and safety requirements for construction and demolition of building/structure of the Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096) and shall be under the direct responsibility of a full time supervising Architect or Civil Engineer in charge of demolition.
- The demolition shall be undertake only after the building has been vacated and all utility lines such as electric, gas, telephone and water intallation have been disconnected.
- The demolition work/s by this permit shall be completed within a period of _____ () days from starting date thereof.
- Demolition.
 - Precautions before demolition
 - Before commencing the work of demolition of a building/structure, all gas, electric, water, and other meters shall be removed and the supply lines disconnected, except-such as are especially provided or required for use in connection with the work of demolition.
 - All fittings attached to the building and connected to any street lighting system, electrical supply or other utilities shall be removed.
 - All electric power shall be shut off and all electric service lines shall be cut and disconnected by the power company at or outside the property line.
 - All gas, water and other utility service lines shall be shut off and cut or capped, or otherwise controlled at or outside the building line, in each case, the utility company involved shall be notified in advance and its approval or cooperation obtained.
 - No electric cable or other apparatus, other than those especially required for use in connection with the demolition work, shall remain electrically charge during demolition operations. When it is necessary to maintain any power, water, gas, or other utility lines during the process of demolition, such lines shall be temporarily relocated and protected with substantial covering to the satisfaction of the utility company concerned.
 - All necessary steps shall be taken to prevent danger to persons arising from fire or explosion from leakage or accumulation of gas or vapor, and from flooding from uncapped water mains, sewers and/or culverts.
 - All entrance/exits to and from the building shall be properly protected so as prevent any danger to persons engaged in the demolition work using such entrances/exits in the performance of their work.
 - Glazed sashes and glazed doors shall be removed before the start of demolition operations.
- At least five (5) days before actual demolition work is started, you are to advise required the Office of the City Building Official and writing.
- Strict compliance with the above condition is required to monitoring by this Office of the City Building Official and revocation of this permit in case of violation.

RECOMMENDING APPROVAL:

PACIFICO F. SETIAS III
Structural Engineer
Office of the City Building Official

PERMIT ISSUED BY:

REX G. BUNDAC, CE, EnP
City Building Official



OCBO



STRUCTURAL

Other Related Documents Applied Online

- Sign Permit Form –is an online application form applied by an applicant if he/she is going to make a signage or sign board of his/her establishment or commercial building.





STRUCTURAL



Republic of the Philippines
City of Puerto Princesa
Province of Palawan



OFFICE OF THE CITY BUILDING OFFICIAL

SIGN PERMIT

APPLICATION NO.	MP NO.	BUILDING PERMIT NO.

BOX 1 (TO BE ACCOMPLISHED BY THE OWNER/APPLICANT)

OWNER/APPLICANT	LAST	FIRST	M.I.	TIN
FOR CONSTRUCTION OWNED BY AN ENTERPRISE		FORM OF OWNERSHIP	USE OR CHARACTER OF OCCUPANCY	
ADDRESS	NO.	STREET	BARANGAY	CITY/MUNICIPALITY
LOCATION OF CONSTRUCTION		NO.	BKL NO.	TCT NO.
STREET		BARANGAY		CITY OF PUERTO PRINCESA
SCOPE OF WORK				
<input type="checkbox"/> NEW INSTALLATION	<input type="checkbox"/> RENOVATION	<input type="checkbox"/> DEMOLITION		
<input type="checkbox"/> ERECTION	<input type="checkbox"/> CONVERSION	<input type="checkbox"/> ANCILLARY BUILDING/STRUCTURE		
<input type="checkbox"/> ADDITION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> OTHERS (Specify)		
<input type="checkbox"/> ALTERATION	<input type="checkbox"/> MOVING			

USE OR CHARACTER OF OCCUPANCY

A. Type of Display	1. <input type="checkbox"/> Single Face	2. <input type="checkbox"/> Double Face	3. <input type="checkbox"/> Multi-Media
1. <input type="checkbox"/> Neon	2. <input type="checkbox"/> Illuminated	3. <input type="checkbox"/> Painted-on	4. <input type="checkbox"/> Other
B. Type of Installation			
1. <input type="checkbox"/> Business Sign, Wall Type	4. <input type="checkbox"/> Business Sign, Temporary	7. <input type="checkbox"/> Advertising Sign, Wall Type	
2. <input type="checkbox"/> Business Sign, Projecting Type	5. <input type="checkbox"/> Advertising Sign, Ground Type	8. <input type="checkbox"/> Advertising Sign, Other	
3. <input type="checkbox"/> Business Sign, Ground Type	6. <input type="checkbox"/> Advertising Sign, Wall Type		
C. Display Size/Face	L (m)=	W (m)=	At (m ²)=

BOX 2 (TO BE CHECKED, RECEIVED AND RECORDED)

ACCOMPANYING DOCUMENTS : (Four (4) Sets each signed and sealed by responsible Design Professional)

<input type="checkbox"/> CERTIFIED TRUE COPY OF TCT/OCT FROM THE CITY REGISTER OF DEEDS	<input type="checkbox"/> PHOTO COPY OF LOT PLAN AND SITE DEVELOPMENT PLAN
<input type="checkbox"/> IF NOT OWNED BY THE APPLICANT IN ADDITION TO THE CERTIFIED TRUE COPY OF TCT, XEROX COPY OF CONTRACT OF LEASE	<input type="checkbox"/> PLANS OF SIGN STRUCTURES DESIGN & COMPUTATIONS
<input type="checkbox"/> CERTIFIED TRUE COPY OF TAX DECLARATION AND LATEST REALTY TAX RECEIPT	<input type="checkbox"/> SPECIFICATIONS AND COST ESTIMATES

BOX 3

DESIGN PROFESSIONAL PLANS AND SPECIFICATIONS

		Date
ARCHITECT / CIVIL ENGINEER		
(Signature Over Printed Name)		
Address:		
PRC NO.:	Validity:	
PTR NO.:	Date Issued:	
Issued at:	TIN:	

BOX 5

APPLICANT			
(Signature Over Printed Name)			
Address:			
C.T.C No.:	Date Issued:	Place Issued:	TIN:

BOX 4

FULL-TIME INSPECTOR AND SUPERVISOR OF CONSTRUCTION WORKS

		Date
ARCHITECT / CIVIL ENGINEER		
(Signature Over Printed Name)		
Address:		
PRC NO.:	Validity:	
PTR NO.:	Date Issued:	
Issued at:	TIN:	

BOX 6

BUILDING OWNER		
(Signature Over Printed Name)		
Date		
Address	Date Issued	Place Issued

BOX 8 (TO BE ACCOMPLISHED BY THE PROCESSING AND EVALUATION SECTION)

FEE PAID	DATE PAID	OFFICIAL RECEIPT NO.	DATE ISSUED

BOX 9 (TO BE ACCOMPLISHED BY THE BUILDING OFFICIAL)

ACTION TAKEN:
Permit is hereby issued/granted to _____ with the word _____ at _____ to install/erect/construct/attach/paint _____ on the premises of _____ as per submitted plans pursuant to pertinent provisions

- That under Article 1723 of the Civil Code of the Philippines, the engineer or architect who drew up the plans and specifications for a building/structure is responsible for damages if within fifteen (15) years from the completion of the structure, the same should collapse due to defect in the plans or specifications or defects in the ground. The engineer or architect who supervises the construction shall be solidarily liable with the contractor should the edifice collapse due to defect in the construction or the use of interior materials.
- That the proposed sign shall be in conformity with Rule XX of the "National Building Code" (PD 1096) survey shall be:
 - That prior to commencement of the proposed project and construction/erection, an actual relocation conducted by the responsible licensed geodetic engineer.
 - That before commencing the excavation, the person making or causing the excavations to be made shall notify in writing the owners of the adjoining building not less than ten (10) days before such excavation is to be made and show that the adjoining building should be protected.
 - That the owner of the sign structure shall engage the services of a responsible, licensed architect or civil engineer to undertake the full-time inspection supervision of the construction work.
 - That there shall be kept at the jobsite a logbook of daily construction activities wherein the actual daily progress of construction including tests conducted, weather condition and other pertinent data are to be recorded, same shall be made available for scrutiny and comments by the OCBO representative during the conduct of his/her inspection pursuant to Section 207 of the National Building Code.
 - That upon completion of the construction/sign structure, the responsible licensed supervising architect or civil engineer shall submit the logbook duly signed and sealed to the Building Official including as-built plans and other documents.
 - That he shall also prepare and submit a Certificate of Completion of the project stating that the construction/sign structure conforms to the provision of the "National Building Code" (PD 1096) as well as with plans and specifications.
- That no sign shall be used and no change in the existing character of occupancy classification of a building/structure or portion thereof shall be made until the Building Official has issued a Certificate of Use or Occupancy thereof as provided in the "National Building Code" (PD 1096)
- That this permit shall not serve as an exemption from securing permit/written clearances from various government authorities exercising regulatory function affecting building and other related structures.
- Sign shall adhere to the Code of Ethics for Advertising and Promotion and to the rules and regulations of the appropriate agency in-charge of the conduct of the business.
- Sign shall promote and uphold the public goods especially in historical monuments and shrines, natural scenes, natural scenic areas, parks, parkways and their immediate approaches, immediate approaches shall mean a distance not exceeding fifty (50.00) meters from the periphery of said areas.
- Signs shall display or convey only message or visuals that conform to public decency and good taste.
- Signs shall follow standards of design, construction and maintenance in the interest of public safety, convenience, good viewing and to promote proper urban design or community architecture.
- Sign structure may be constructed only in areas where zoning regulations permit them and in accordance with the accepted standards of design construction and maintenance.
- Signs and sign structures shall be constructed in accordance with the provisions of Section 2003 of the "National Building Code" (PD 1096). Plans of sign structure exceeding three (3.00) meters in height from the ground shall be signed and sealed by the responsible designing architect or civil engineer.
- Signs and sign structures built within highly restrictive fire zone shall be of incombustible materials. No combustible materials other than approved plastic shall be used in construction of electrical signs.
- Signs and sign structures equipped with electrical devices shall have an electrical plan conforming with the provisions of the latest edition of the Philippines Electrical Code duly signed and sealed by the responsible Professional Engineer, if the installation or the machinery is rated less than 500 kva or less than 600 volts.
- Signs shall be placed in a such manner that no part of its surface will interfere in any way with the free use of a doorway, a fire escape, standpipe or other required means of exit and fire-protective devices.
- Sign, which are written in foreign language, shall have corresponding translation in english or in the local dialect.
- The bottom line of all signboards adjacent to each other shall follow a common base line as determined by the Building Official

PERMIT ISSUED BY:

REX G. BUNDAC, CE, EnP
City Building Official



OCBO



STRUCTURAL CIVIL

Other Related Documents Applied Online



- Excavation and Ground Preparation Permit Form – is an online application form applied by the applicant for ground excavation and preparation.





STRUCTURAL CIVIL



Republic of the Philippines
City of PUERTO PRINCESA
Province of PALAWAN



OFFICE OF THE CITY BUILDING OFFICIAL

EXCAVATION AND GROUND PREPARATION PERMIT

APPLICATION NO. EGPP NO. EXCAVATION & GROUND PREPARATION PERMIT

BOX 1 (TO BE ACCOMPLISHED BY THE OWNER/APPLICANT)

OWNER/APPLICANT		LAST NAME		FIRST NAME		M.I. TIN	
FOR CONSTRUCTION OWNED		FORM OF OWNERSHIP		USE OR			
BY AN ENTERPRISE							
ADDRESS: NO., STREET, BARANGAY, CITY/MUNICIPALITY, ZIP CODE							
LOCATION OF CONSTRUCTION: LOT NO., BLK NO., TCT NO., TAX DEC. NO., STREET, BARANGAY, CITY OF PUERTO PRINCESA							
SCOPE OF WORK							
<input type="checkbox"/> NEW CONSTRUCTION		<input type="checkbox"/> RENOVATION		<input type="checkbox"/> OTHERS (Specify)			
<input type="checkbox"/> ERECTION		<input type="checkbox"/> REPAIR					
<input type="checkbox"/> ADDITION							
USE OR CHARACTER OF OCCUPANCY							
<input type="checkbox"/> GROUP A: RESIDENTIAL, DWELLINGS		<input type="checkbox"/> GROUP F: INDUSTRIAL		<input type="checkbox"/> OTHERS (Specify)			
<input type="checkbox"/> GROUP B: RESIDENTIAL HOTEL, APARTMENT		<input type="checkbox"/> GROUP G: INDUSTRIAL STORAGE AND HAZARDOUS					
<input type="checkbox"/> GROUP C: EDUCATIONAL, RECREATIONAL		<input type="checkbox"/> GROUP H: RECREATIONAL, ASSEMBLY OCCUPANT LOAD LESS THAN 1000					
<input type="checkbox"/> GROUP D: INSTITUTIONAL		<input type="checkbox"/> GROUP I: RECREATIONAL, ASSEMBLY OCCUPANT LOAD 1000 OR MORE					
<input type="checkbox"/> GROUP E: BUSINESS AND MERCANTILE		<input type="checkbox"/> GROUP J: AGRICULTURAL, ACCESSORY					

BOX 2

DESIGN PROFESSIONAL, PLANS AND SPECIFICATIONS	
ARCHITECT OR CIVIL ENGINEER (Signed and Sealed Over Printed Name) Date	
Address	
PRC. No.	Validity
PTR. No.	Date Issued
Issued at	TIN

BOX 4

OWNER		
(Signature Over Printed Name) Date		
Address		
C.T.C. No.	Date Issued	Place Issued

Verified as to the following

Land Use and Zoning

Use and Grade

Court Yard and Parking Space

BOX 3

FULL-TIME INSPECTOR AND SUPERVISOR OF CONSTRUCTION WORKS	
ARCHITECT OR CIVIL ENGINEER (Signed and Sealed Over Printed Name) Date	
Address	
PRC. No.	Validity
PTR. No.	Date Issued
Issued at	TIN

BOX 5

WITH MY CONSENT: LOT OWNER		
(Signature Over Printed Name) Date		
Address		
C.T.C. No.	Date Issued	Place Issued

BOX 6 (TO BE ACCOMPLISHED BY THE DESIGN PROFESSIONAL)

☐ EXCAVATION AND FILLS ☐ FOUNDATION AND RETAINING ☐ PILE FOUNDATIONS ☐ GRADING AND EARTHWORKS
(Including fills and
☐ OTHERS (Specify) ☐

BOX 7 (TO BE ACCOMPLISHED BY THE BUILDING OFFICIAL)

ACTION TAKEN:

PERMIT IS HEREBY ISSUED/GRANTED SUBJECT TO THE FOLLOWING CONDITIONS:

- That under Article 1723 of the Civil Code of the Philippines, the engineer or architect who drew up the plans and specifications for a building/structure is liable for damages if within fifteen (15) years from the completion of the building/structure, the same should collapse due to defect in the plans or specifications or defects in the ground. The engineer or architect who supervises the construction shall be solidarily liable with the contractor should the edifice collapse due to defect in the construction or the use of inferior materials.
- That the proposed excavation and ground preparation of the project site shall be in conformity with the zoning ordinance and the provisions of the "National Building Code" (P.D. 1096), the National Structural Code of the Philippines and its Implementing Rules and Regulations.
 - That prior to commencement of the proposed projects and construction an actual relocation survey shall be conducted by responsible licensed Geodetic Engineer.
 - That before commencing the excavation the person making or causing the excavation to be made shall verify in writing the owner of adjoining building not less than ten (10) days before such excavation is to be made and show how the adjoining building should be protected.
 - That the owner of the building shall engage the services of a responsible licensed Architect or Civil Engineer to undertake the full-time inspection and supervision of the construction work.
 - That there shall be kept at the jobsite at all times a logbook of daily construction activities wherein the actual daily progress of construction including test conducted, weather condition and other pertinent data are to be recorded, same shall be made available for scrutiny and comments by the OBO representative during the conduct of his/her inspection pursuant to Section 207 of the National Building Code.
 - That upon completion of the excavation and ground preparation of the project site the said responsible licensed supervising Architect or Civil Engineer shall prepare and submit a Certificate of Completion of the project stating that the excavation and ground preparation of the project site conforms to the provision of the "National Building Code" (P.D. 1096).
- All public facilities and utilities such as streets, sidewalks, curbs, gutters, electric posts, power and communication lines, water, sewer and drainage lines and the like shall be properly protected against any damage and obstruction. Any facility and/or utility damaged shall be properly repaired and restored to its original condition by the owner/applclicant subject to the approval of the Building Official and the proper authorities concerned.
- The owner and contractor shall be jointly responsible for the safety, protection, security and convenience of the general public and his/her personnel, third parties, the works, equipment and the like. All wastes or discarded materials from the project shall be properly stored and disposed of. Water wastes shall be discharged directly into drainage lines. Pertinent provisions of the National Building Code (P.D. 1096) shall be complied with.
- That this permit does not guarantee the subsequent granting of the principal building permit under process and that the owner/applclicant undertakes the work or project at his/her own risk.
- That this permit shall not serve as an exemption from securing permits/written clearances from various government authorities exercising regulatory function affecting buildings and other related structures.
- For excavations more than fifty (50) cubic meters and more than two (2) meters in depth, the owner/permittee shall post a cash bond of fifty thousand pesos (P 50,000.00) for the first fifty (50) cubic meters and three hundred pesos (P 300.00) for every cubic meter thereafter to be deposited with the O.B.O. Said excavations shall not exceed one hundred (100) cubic meters or three (3) meters in depth until the building permit is issued and shall not be left open without any work being done in the site for more than one hundred twenty (120) days, otherwise, the cash bond shall be forfeited in favor of the government to cover the expense for the necessary restoration should the owner/permittee fail to restore the same. If the bond is insufficient to effect the necessary restoration, additional cost to be incurred to complete the restoration shall be charged to the account of the owner/permittee or to whoever shall assume ownership of the property.

RECOMMENDING APPROVAL:

PACIFICO F. SETIAS III
Structural Engineer
Office of the City Building Official

PERMIT ISSUED BY:

REX G. BUNDAC, CE, EnP
City Building Official
Date



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Other Related Documents Applied Online



- Scaffolding Permit– is an online ancillary permit applied by the applicant if he/she will be using scaffoldings during construction.





STRUCTURAL CIVIL

NBC FORM NO. B - 06

Republic of the Philippines
City/Municipality of _____
Province of _____
OFFICE OF THE BUILDING OFFICIAL

SCAFFOLDING PERMIT

APPLICATION NO. _____ SP NO _____ BUILDING PERMIT NO. _____
[Grids for application, SP, and permit numbers]

BOX 1 (TO BE ACCOMPLISHED IN PRINT BY THE OWNER/APPLICANT)

OWNER/APPLICANT	LAST NAME	FIRST NAME	M.I.	TIN
FOR CONSTRUCTION OWNED BY AN ENTERPRISE		FORM OF OWNERSHIP	USE OR CHARACTER OF OCCUPANCY	
ADDRESS: NO. STREET, BARANGAY, CITY/MUNICIPALITY		ZIP CODE	TELEPHONE NO.	
LOCATION OF CONSTRUCTION: LOT NO. _____ BLK NO. _____ TCT NO. _____ TAX DEC. NO. _____		STREET _____ BARANGAY _____ CITY/MUNICIPALITY OF _____		
SCOPE OF WORK				
<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> RENOVATION	<input type="checkbox"/> RAISING		
<input type="checkbox"/> ERECTION	<input type="checkbox"/> CONVERSION	<input type="checkbox"/> DEMOLITION		
<input type="checkbox"/> ADDITION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> ACCESSORY BUILDING/STRUCTURE		
<input type="checkbox"/> ALTERATION	<input type="checkbox"/> MOVING	<input type="checkbox"/> OTHERS (Specify) _____		

BOX 2

DESIGN PROFESSIONAL, PLANS AND SPECIFICATIONS	
_____ Date _____ ARCHITECT OR CIVIL ENGINEER (Signed and Sealed Printed Name)	
Address _____	
PRC. No.	Validity
PTR. No.	Date Issued
Issued at	TIN

BOX 4

BUILDING OWNER		
_____ (Signature Over Printed Name) Date _____		
Address _____		
C.T.C. No.	Date Issued	Place Issued

BOX 6

_____ Date _____ APPLICANT (Signature Over Printed Name)		
CTC NO.	DATE ISSUED	PLACE ISSUED
TIN _____		

BOX 3

FULL-TIME INSPECTOR AND SUPERVISOR OF CONSTRUCTION WORKS	
_____ Date _____ ARCHITECT OR CIVIL ENGINEER (Signed and Sealed Over Printed Name)	
Address _____	
PRC. No.	Validity
PTR. No.	Date Issued
Issued at	TIN

BOX 5

WITH MY CONSENT: LOT OWNER		
_____ (Signature Over Printed Name) Date _____		
Address _____		
C.T.C. No.	Date Issued	Place Issued

BOX 7 (TO BE ACCOMPLISHED BY THE PROCESSING AND EVALUATION DIVISION)

FEE PAID _____ OFFICIAL RECEIPT NO. _____
DATE PAID _____ DATE ISSUED _____

BOX 8 (TO BE ACCOMPLISHED BY THE BUILDING OFFICIAL)

ACTION TAKEN:

Permit is hereby issued/granted to _____
with postal address at _____
to erect a SCAFFOLDING for _____
with a frontage of _____ () lineal meters at the premises of _____
for the period of _____ () days inclusive from _____ to _____
pursuant to pertinent provisions of the "National Building Code" (PD 1096) and its Implementing Rules and Regulations and to the following conditions:

1. That the owner and contractor shall be jointly responsible for the safety, protection, security and convenience of the general public and his/her personnel, third parties, the works, equipment and the like.
2. That the scaffolding shall not be erected on the roadway area nor shall it obstruct the free passage of pedestrians.
3. That surface drains and other utility fixtures or lines shall not be obstructed.
4. That this permit shall not serve as exemption from securing permits/written clearances from various government authorities exercising regulatory function affecting buildings and other related structures.

PERMIT ISSUED BY:

BUILDING OFFICIAL
(Signature Over Printed Name)
Date _____



OCBO