



General notes for construction drawings

Construction drawing symbols and meanings. Structural general notes for construction drawings. 5 types of construction drawings. General notes for construction drawings dwg. What is general drawing. General notes for construction drawings pdf.

Details Category: Details Hits: 73503 1. THESE DRAWINGS INDICATE IN GENERAL THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN INTENT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND TYPE OF STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

AS INDICATED OR DESCRIBED, THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. 2. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL FLOOR/WALL SLEEVES AND SHAFTS IN CONCRETE SLABS/WALLS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND DISCREPANCIES, IF ANY, TO BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO EXECUTION OF WORK. 3. THE CONTRACTOR SHALL CONDUCT HIS OWN SITE SURVEY OF THE EXISTING GROUND AND CURB ELEVATIONS (LEVELS) AND REPORT ACTUAL ELEVATIONS (LEVELS) TO THE ENGINEER. 4. CONTRACTOR'S SHOULD INDICATE ACTUAL ELEVATIONS (LEVELS). 5. ALL ELEVATIONS (LEVELS). 5. ALL

CONFORMIN	RCING STEEL BARS SHALL BE NEW 3 TO THE SPECIFICATIONS OF PNS		
WHOSE GRA	DE IS SHOWN ON TABLE 1.		
	GRADE	BAR DIAMETER	
	GRADE 415 (fy = 60 ksi)	20, 25, 28, 32 MM DIA	
	GRADE 275 (fy = 40 ksi)	10, 12, 16 MM DIA.	
	GRADE 230 (fy = 33 ksi)	SMALLER THAN 10 MM DIA	

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6. ALL DIMENSIONS ARE IN MM AND ANGLES IN DEGREES UNLESS OTHERWISE NOTED. 7. ONLY WRITTEN DIMENSIONS IN ALL CASES SHALL BE FOLLOWED. 8. ALL EXISTING OR PROPOSED ELEVATIONS (LEVELS) AND DIMENSIONS, ON SITE AND ON DRAWINGS MUST BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE THE PREPARATION OF SHOP DRAWINGS OR COMMENCEMENT OF ANY ITEM OF WORK ON THE SITE. 9. ARCHITECTURAL DRAWINGS MUST ALWAYS BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT SERVICES DRAWINGS AND CONTRACT DOCUMENTS. ANY DISCREPANCY BETWEEN THESE DRAWINGSAND DOCUMENTS SHOULD BE REPORTED TO THE ENGINEER FOR CLARIFICATION. 10. ALL ALUMINUM TRIMS SHALL BE POWDER COATED FINISH. 11. ALL PLASTERED SURFACES SHALL BE PAINTED.

12. ALL WALL FINISHES OR CEMENT PLASTERING WORKS ARE TO BE EXTENDED 10 CM. ABOVE SUSPENDED CEILING LEVEL (ELEVATION) OR AS INDICATED. 13. ALL UNDIMENSIONED WALL SHOULDERS SHALL BE 100MM WIDE 14. REFER SCHEDULE OF WALL TYPES FOR DIFFERENT WALL SITUATIONS. 15. ALL BLOCKWALLS ENCLOSING THE FIRE ZONES SHALL BE LIGHT WEIGHT CONCRETE BLOCKWALL AND EXTENDED UP TO THE SOFFIT OF THE SLAB TO PROVIDE 2 HRS. FIRE RATING. 16. ALL SHAFT WALLS TO PROVIDE FOR 2 HRS. FIRE RATING. 17. ALL SHAFTS SHALL BE SEALED AT BOTTOM & TOP TO PROVIDE 2 HRS. FIRE RATING. 18.



2.

THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL FLOOR/WALL SLEEVES AND SHAFTS IN CONCRETE SLABS/WALLS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND DISCREPANCIES, IF ANY, TO BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO EXECUTION OF WORK.



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	HORIZONTAL	VERTICAL	REMARKS	VERTICAL	
(mm) 100	10mm at 250 o.c.	10mm at 300 o.c.	HORIZONTAL BAR AT CENTER VERTICAL BARS STACCERED OUTSIDE	0.	
125	10mm at 200 o.c.	10mm at 250 o.c.	DITTO		
150	12mm at 288 o.c.	12mm at 250 o.c.	DITTO	•	
175	20mm at 250 o.c.e.f.	12mm at 200 o.c.e.f.	DITTO	Ŀ	
200	10mm at 288 o.c.e.f.	10mm at 250 o.c.e.f.	BOTH FACES HORIZONTAL SHALL BE OUTSIDE		
225	12mm at 200 o.c.e.f.	12mm at 228 o.c.e.f.	DITTO	ſΜ	
250	12mm at 250 o.c.e.f	12mm at 300 o.c.e.f.	DITTO		
275	12mm at 228 o.e.e.f.	12mm at 250 o.e.e.f.	DITTO		
300	12mm at 200 o.c.e.f.	12mm at 250 o.c.e.f.	DITTO		
350	12mm at 180 o.c.e.f	12mm at 200 o.c.e.f.	DITTO		
400	16mm at 330 o.c.e.f.	16mm at 355 o.c.e.f.	DITTO		

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Β.	N	OTES ON	CONCRETE	MIXES	AND P	LA(CIN(65
1.			ED IN PLANS OR NOTED RENGTH OF CONCRETE f			INIMUN	1 28-D	AYS
	1,1	FOUNDATION			-21	MPa.	(3000	psi)
	1.2	PEDESTAL, COLUMNS	& SHEAR WALLS		21	MPa.	(3000	psi)
	1.3	FLOOR SLABS, BEAM	S & GIRDERS		21	MPa.	(3000	psi)
	1.4	PARAPET WALLS AND	OTHER STRUCTURAL EL	EMENTS.	21	MPa.	(3000	psi)
	1.5	PARTITIONS, CURTAIN	WALLS, BEDDED SLABS,	SIDEWALKS,				
		CURB, GUTTER & OT	HER STRUCTURAL ELEME	NTS.	17.0	MPa.	(2500	psi)
	1.6	LEAN CONCRETE			10.0	MPa.	(1500	psi)

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21. FOR AREAS WITHOUT SUSPENDED CEILING HAVING EXPOSED SLAB AND BEAMS, WALL FINISH MATERIAL SHALL BE FROM FLOOR LEVEL TO BOTTOM OF SLAB LEVEL. (UNLESS NOTED OTHERWISE) 22. THE CONTRACTOR SHALL SUBMIT SAMPLES AND SHOP DRAWINGS FOR ALL WORKS WITH ALL NECESSARY DETAILS AND DESIGN INFORMATION FOR APPROVAL. 23. NOTES APPEARING ON VARIOUS DRAWINGS FOR DIFFERENT SYSTEMS AND MATERIALS ARE TO BE APPLIED TO ALL READEND OF VALL OPENINGS AND DETAILS. B. CONCRETE MASONRY WALL (BLOCK WALL) 1. DROVIDE CONTROL JOINT AT: 9000 MM SPACING AT LONG STRAIGHT WALLS, AT MAJOR CHANGES IN WALL HEICHTS, AT CHANGES IN WALL HEICHTS, AT COLUMNS AND PILASTERS, AT ONE OR BOTH SIDES OF WALL OPENINGS AND ATT WALL INTERSECTIONS. ALL CONTROL JOINT SHOULD CONTINUE ALL THOLONS SHOLD CONTINUE ALL THOLONS, AT COLUMNS AND PILASTERS, ATO NE OR BOTH SIDES IN WALL APPROVED COMPRESSIBLE FILLER AND ALL EXPOSED SURFACES TO BE SEALED WITH APPROVED SEALANT AND BACK-UP ROD. 2. REFER SCHEDULE OF WALL TYPES FOR DIFFERENT WALL SITUATIONS. 3. ALL BLOCKWALLS ENCLOSING THE FIRE ZONES SHALL BE LIGHT WEIGHT CONCRETE BLOCKWALL AND EXTENDED UP TO THE SOFFIT OF THE SLAB TO PROVIDE SPECIFICE FARTING 4. ALL BLOCKWALLS INDICATED ON PLAN ARE TO EXTEND TO THE SOFFIT OF THE SLAB. EXCEPTING FUNCTIONS AND LARE TO EXTEND TO THE SOFFIT OF THE SLAB. EXCEPTING AND SHALL SECONDE STEELS DEPORTS, STIFFERENT OF THE SLAB, EXCEPT INTERNAL TOILET PARTITION, INTERNAL TRICLE PARTITIONS AND SHALL SPACES SUCH AS STORES. C. EXTERIOR ENVELOPE 1. THE EXTERIOR WALL AS SHOWN SHALL BE COMPLETE SYSTEM INCLUDING ALL HOT DIPPED GALVANISED STEEL SUPPORTS, STIFFENERS, FASTENERT TO THOSE DETAILS ONT SHOULD SEEL SUPPORTS, STIFFENERS, FASTENERS TO RESIDENT CANNOR BE DETAILS ONT SHOULD SEEL SUPPORTS, STIFFENERS, SALENES AND THE PROFILES SHOWN A. D. DETAILS NOT SHOULD SEEL SUPPORTS, STIFFENERS, SALENES AND DETAILS ON THE NACCORDINATED AND ARE TO BE COORDINATED AND AND SHALL SECOND SAND THE PROFILES SHOWN AS ALL SHOULD SEEL SUPPORTS, STIFFENERS, SALENES AND DETAILS ON THOURD SEED STALL SHOR MALE SHOULD SEEL SU

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF FINAL EXTERIOR WALL DETAILS TO ACCOMMODATE THE FABRICATION, ERECTION AND INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DESIGN INTENT SHOWN. 7.

SEALANT DRAINAGE SYSTEM GASKETS AND WATERPROOFING MEMBRANE SHALL BE ASSEMBLED IN SUCH A MANNER TO PROVIDE A HIGH QUALITY WEATHERPROOF BUILDING ENCLOSURE. 8. ALL PROPOSED DETAILS FOR EACH TYPE OF GLAZING ARE TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. 9. COLOR OF SEALANT SHALL MATCH ADJACENT MATERIALS OR AS SPECIFIED BY THE ENGINEER. 10. COORDINATE LOCATION OF EXTERIOR WALL ANCHORS, SEALANT POSITIONS WITH ADJACENT WORK INCLUDING MATERIALS AND OTHER CONTIGUOUS SEALANTS. 11. THE DESIGN OF THE EXTERIOR WALL IS TO TAKE INTO CONSIDERATION BUILDING MOVEMENTS DUE TO WIND LOADS, THERMAL EXPANSION AND CONTRACTION, FLOOR DEFLECTIONS, SHRINKAGE, CREEP AND SIMILAR MOVEMENTS.

DESIGN, FABRICATE AND INSTALL COMPONENT PARTS SO THAT THE COMPLETED EXTERIOR WALL ASSEMBLY INCLUDING GLASS AND STONE CLADDING WILL WITHSTAND THE INWARD AND OUTWARD WIND SPEED OF 140 KM/HOUR 13. PROVIDE ALLOWANCE FOR EXPANSION AND CONTROL JOINTS WHERE SHOWN AND AS REQUIRED. LOCATION OF ALL JOINTS SHALL BE REVIEWED WITH THE ENGINEER. 14. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER AS REQUIRED TO PREVENT MOLECULAR BREAKDOWN. 15. ALL ALUMINUM DOOR/WINDOW FRAMES, LOUVERS, SHALL BE FINISED AS PER DOOR, WINDOW, LOUVER SCHOOL DE FINISED AS PER DOOR, WINDOW, LOUVER SCHOOL DE FINISED AS PER DOOR, WINDOW FRAMES OF SERIES AD. 2000, AD.

D. LOUVERS 1. CONTRACTOR TO VERIFY ALL CLEAR OPENING FOR LOUVER DIMENSIONS.

LOUVERS SHALL BE FACTORY FINISHED POWDER COATED ALUMINUM WEATHERPROOF TYPE WITH CONTINUOUS LOUVER BLADES AS APPROVED BY THE ENGINEER. 3.

PROVIDE ALL MISCELLANEOUS ATTACHMENT MEMBERS, FRAMING, FASTENERS, SEALANT, FLASHING ETC. AS REQUIRED FOR A COMPLETE LOUVER ASSEMBLY COORDINATED WITH ADJACENT CONSTRUCTION. E. INSULATION PROVIDE RIGID, NON-COMBUSTIBLE EXTRUDED POLYSTYRENE WITH WATER REPELLANT COATING ON INNER SIDE. THE INSULATION SHALL PROVIDE "U" VALUE AS/SPECS. 2. ALL INSULATION PANELS TO BE OVERSIZED TO CREATE A TIGHT JOINT BETWEEN PANELS. ALL JOINTS AND EXPOSED EDGES TO BE FOIL TAPED. 3. PROVIDE INSULATION AT ALL CONNECTION AND JOINTS TO MAINTAIN A CONSTANT U FACTOR. 4. ALL INTERIOR INSULATION TO UNDERSIDE OF SLABS AND TO INSIDE SURFACE OF EXTERNAL WALLS SHALL BE SEMI RIGID (FIBRE GLASS WOOL) BOARDS. INSULATION TABLE WALL AND ROOF ASSEMBLY MAXIMUM U-VALUE: THE THERMAL INSULATION MATERIAL USED IN THE BUILDING EXTERNAL WALL / ROOF MUST NOT EXCEED THE FOLLOWING VALUE: ROOF: 0.437 W/m² °C (0.077 BTU/h ft² °F) EXTERNAL WALL: 0.568 W/m² °C (0.100 BTU/h ft² °F) EXTERNAL WALL: 0.568 W/m² °C (0.100 BTU/h ft² °F) WINDOW REQUIREMENTS WINDOW WALL RATIO (WWR) MAXIMUM U-VALUE W/m² °C (BTU/ft²h °F) MAXIMUM SHADING COEFFICIENT (SC) 5-40% 3.30 (0.58) 0.4000 ABOVE 40% 1.90 (0.33) 0.3500 F. FIRE PROTECTION 1. ALL OPENINGS IN SLABS AT MECHANICAL ROOMS (INCLUDING SPACES LEFTOVER IN THE SHAFTS AFTER INSTALLATION OF DUCTS) MUST BE SEALED OFF WITH NON-COMBUSTIBLE MATERIALS TO MAINTAIN THE REQUIRED FIRE-RATING CONTINUITY OF THE FLOOR CONSTRUCTION. CONTRACTOR SHALL SUBMIT SHOP-DRAWINGS FOR APPROVAL FOR ALL SUCH CASES. 2.

ALL OPENINGS AT SLABS, WALLS SHALL BE SEALED OFF (FILLED) WITH NON-COMBUSTIBLE MATERIALS TO MAINTAIN THE REQUIRED FIRE RATING CONTINUITY OF THE FLOOR, WALL CONSTRUCTION. ALL HOLES, INCLUDING THOSE FOR MECHANICAL, AND ELECTRICAL FACILITIES WHICH ARE LOCATED ON FLOOR SLAB, PARTITIONS AND WALLS MUST BE FILLED WITH NON-COMBUSTIBLE MATERIALS TO PROVIDE REQUIRED FIRE RATING AND SHALL BE SEALED AGAINST PASSAGE OF SMOKE AND FLAME. 3. A FINISH ON A WALLS MUST BE FILLED WITH NON-COMBUSTIBLE MATERIALS TO PROVIDE REQUIRED FIRE RATING AND SHALL BE SCALED AGAINST PASSAGE OF SMOKE AND FLAME. 3. A FINISH ON A WALLS MUST PROVIDE THE FOLLOWING (WHEN APPLICABLE): 4. SMOKE DETECTOR (BRK) IN EVERY HALL 4.b. FOLLOWING ARE THE REQUIREMENTS FOR KITCHENS: 4.b.1. HEAT DETECTORS (BRK) 4.b.2. FIRE BLANDET 4'x6', 4.b.4. EXHAUST FARNONS 4.b.5. FIRE RESISTANT DOORS WITH PROPER HANDLES 4.b.6. GAS CYLINDERS SHALL PROVIDED OUTSIDE KITCHEN 4.c. FOLLOWING ARE THE REQUIREMENTS FOR SWIMMING POOL: 4.c.1. LIFEBUOUY 4.c.2. THE FLOOR OF THE SURROUNDING ARE A OF SWIMMING POOL: 4.c.3. FIRE EXTINGUISHER CONTAINING POWDER (4kg) 4.d. FOLLOWING ARE THE REQUIREMENTS FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR FILE EXTINGUISHERS, ONE CONTAINING WONDER & THE REQUIREMENTS FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR FILE EXTINGUISHERS, ONE CONTAINING WONDER & CONTAINING WONDER & CONTAINING POWDER (4kg) 4.d. FOLLOWING ARE THE REQUIREMENTS FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR BASEMENT: 4.d.2. EXTINGUISHERS, ONE CONTAINING WONDER & THE REQUIREMENTS FOR BASEMENT: 4.d.1. SMOKE DETECTORS, ONE FOR BASEMENT: 4.d.2. EXIL SEALANT JOINTS SHALL BE SIZE AS RECOMMENT AND RAKE & PRIMERS 1. ALL SEALANT JOINTS SHALL BE SIZE AS RECOMMENTS SHALL BE USTAILED WILL ALL CONTAINING WORDER & THE REQUIREMENTS FOR BASEMENT: 4.d.2. EXIL SEALANT JOINTS SHALL MAINTAIN DURAB

APPLIED AT THE TOP OF THE RAILING OR A 110 KG/M. LOAD APPLIED IN ANY DIRECTION AT TOP OF RAIL, WHICHEVER IS THE MOST RESTRICTIVE FOR EACH AND EVERY APPLICATION. 2. ALL MILD STEEL HANDRAILS SHALL BE PAINTED. J. TILING, STONEWORK, PAVING ETC.

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER'S REVIEW AND APPROVAL, SHOWING ALL DETAILS LAYOUTS, ELEVATIONS, SECTION ETC. SHOP DRAWINGS TO ALSO INDICATE ALL JOINT THICKNESS, ALIGNMENT AND RELEVANT DETAILS. K. WATERPROOFING 1.

PROVIDE FLUID APPLIED CEMENTITIOUS WATER PROOFING IN ALL WET AREAS LAID ON CONCRETE SLAB (TOILETS, KITCHENS, MECH. ROOMS, SHAFTS ETC.) & EXTEND IT UP TO 100 MM ABOVE FLOOR FINISH. 2. PROVIDE WATERPROOFING MEMBRANE AT ALL EXTERIOR SURFACES. 3. ALL MECHANICAL EQUIPMENT BASES SHALL BE WATERPROOFED AS/SPECS. L. EXTERIOR SOFFIT 1.

ALL EXTERIOR SOFFITS BELOW AIR-CONDITIONED SPACES SHALL HAVE A MINIMUM 75 MM THICK INSULATION (SEMI-RIGID INSULATION ATTACHED DIRECTLY TO STRUCTURAL SOFFIT & LINED WITH GYPSUM BOARD) TO PROVIDE REQUIRED "U" VALUE. 2. ALL STONE PIECES FOR SOFFITS SHALL BE MECHANICALLY HUNG. 3. THE CONTRACTOR SHALL ENGINEER STONE SOFFITS STEEL BACK-UP STRUCTURE WITH STAINLESS STEEL (#316) STRUCTURAL SECTIONS, TO WITHSTAND WIND SPEED OF 140KM/HR. AND SELF-LOAD OF STONE. IN ADDITION, BACK-UP SYSTEM AND STONE FIXING DEVICES SHALL BE DESIGNED TO AVOID SOFFITS SAGGING, BREAKAGE, CRACKS ETC...

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THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL. M. STONE CLADDING 1. ALL STONE FIXING ANCHORS SHALL BE STAINLESS STEEL (#316) 2. MECHANICAL FIXING DEVICES ARE TO BE PROVIDED FOR ALL STONE CLADDING BOTH FOR EXTERIOR AND INTERIOR APPLICATIONS, UNLESS NOTED OTHERWISE. 3. FOR STONE FINISHES AND TYPES REFER TO RELEVANT DRAWINGS. 4. PROFILES OF STONE CLADDING INIDICATED IN THESE DOCUMENTS ARE TO CONVEY DESIGN INTENT ONLY. THE CONTRACTOR IS TO DETAIL STONE SIZES, THICKNESSES (30MM MIN.) AND FIXING ARRANGEMENTS TO ACHIEVE THE DESIGN INTENT. 5. THE SOLID STONES PROFILES SUCH AS CIRCULAR/ SQUARE COLUMNS ARE TO CONVEY DESIGN INTENT ONLY. THE SOLID PROFILE CAN BE SUBDIVIDED IN FOUR SEGMENTS SUCH THAT IT IS TREATED AS STONE CLADDING SITUATION WITH 30MM MINIMUM THICKNESS. N. METAL WORKS 1. ALL MILD STEEL WORKS (I.E. RAILS,ANGLES ETC.) SHOWN ON THE CONTRACT DRAWINGS/DETAILS SHALL BE PRIMED AND SHALL BE PRIMED WITH TWO COATS OF EPOXY PAINT.

2. STEEL ELEMENTS NOT SHOWN IN THE CONTRACT DRAWINGS, BUT ARE DEEMED NECCESSARY FOR THE SATISFACTORY COMPLETION OF THE WORKS SHALL BE GALVANISED STEEL PRIMED & PAINTED WITH TWO COATS OF EPOXY PAINT FOR ALL INTERIOR SITUATIONS AND STAINLESS STEEL (#316) FOR ALL EXTERIOR SITUATIONS.

3. ALL WELDED STEEL JOINT SHALL BE GRINDED SMOOTH. PRIMED & PAINTED - 4. ALL WELDING SHALL BE OF SUITABLE TYPE TO STEEL WORKS. 5. PROVIDE 125X125 SILL ANGLE SUPPORT, PTI LADDER & HOISTING HOOK FOR 300KG SUSPENDED COLORDINATED WITH THE INTERIOR DESIGN SUSPENDED CEILING PROFILES. P. CHANDELIDES 1. PROVIDE STEEL PLATES SECURED TO THE CONCRETE SLAB SOFFIT FOR MOUNTING THE FINISHES MOCK-UP LINTER OF DESIGN SUSPENDED CEILING PROFILES. P. CHANDELIDE VALL, FLOOR & CEILING FINISHES. 2. PROVIDE EXTERNAL ELEVATIONS MOCK-UP SAS / SPECS. S. EXTERIOR CLADDING 1. THE FOLLOWING DESIGN CRITERIA AS APPLICABLE TO CLADDING SHALL BE CONSIDERED FOR WIND LOAD AT THREE ZONES (i.e., EDGE, CENTRAL & ROQF) EDGE; + 2.5 / -3.5 kPa CONT; + 2.5 / -3.5 kPa

While an architect may have enough expertise to create not only the architectural drawings (plans, sections, etc.) but also the structural and mechanical (plumbing/electrical) drawings. This mostly happens in small-scale projects and sometimes external specialists are hired. This point is elaborated on below in detail. As mentioned previously, generally when we talk about construction drawings, we are referring to plans, sections, window/door/finish schedules, and elevations. But sometimes they may include information drawings for other professionals such as electrical plans, plumbing plans, and HVAC (heating, ventilation, and air conditioning) system details. The exact constituents of the set vary from project to project, depending upon the scale and specifications along with the needs of the client. In most small-scale projects, an architect will provide the client with all the drawings required for the construction process. But again, for complex, large-scale, or specialty projects (e.g. large-scale industries, airports, malls, etc.), an increased level of information and external collaboration with specialists might be required. Hence, the construction documents on these projects. For ease of understanding, we can divide these drawings into the following categories:\ Architectural Drawings: Site plan, Floor plans, Sections, Elevations, Furniture, plan, Door and Window schedule. Structural Plans, Detail drawings of specific parts (joints, connections, foundation, floor, etc.).

Roof and ceiling plans. Mechanical Drawings: Include information on mechanical work i.e. plumbing and drainage, HVAC, fire protection, transportation (elevator, lifts, escalators) Keep in mind that these categories are not concrete and may overlap at various points if the project requires and/or permits. Each construction drawing has its purpose and specific information that it contains, but one thing they all have in common is that they are all made to scale. For example, 1/12" = 1' (one-twelfth on an inch on paper will be equal to one foot in reality). The following portion elaborates upon the information that different construction drawings impart: Put simply, a "Plan" refers to the top view of an object, and so a Site Plan is essentially and that shows the extent of the proposed site. This is created after a careful and thorough analysis of the proposed structure/building. Floor plans are a for construction drawing has its separate floor plans e.g. a building with 3 floors will have 3 distinct floor plans with each detailing the components of its respective floor. This plan also provides distinction between each room i.e. it provides annotations of walls, rooms, bedrooms, kitchen, etc. Floor plans provide dimensions a vertical depiction of the building if one was to look straight at it from the outside, once it is constructed. Sections are externely useful drawings especially when you are dealing with multiple floors in a project. They are similar to elevations in that they building with sections of the structure of the building with multiple floors in a project are components. For this purpose, low a specific part instead the entire view. A section provide us with the detailing of the structure of the building with multiple floors in a project. They are components. For this purpose, blown-up drawings especially when you are dealing with multiple floors in a project. They are components of its respective floor. For many floor plans are externed used thorows, beardows a specific part instead the entire vie

For example, the details of a spiral staircase will be completely different from those of a normal staircase. Since a building will have multiple windows and door schedule is attached with the other blueprints. A schedule will include in detail, all specifications regarding each window or door that is to be installed in the building.

Window schedules are usually longer than door schedules and include details about the size, kind, location, materiality, etc. of the window.

A door schedule, on the other hand, will provide the same information about all the doors that are to be installed. Providing a well-composed schedule to the construction team will make their job easier and ensures the correct installation of the door or window into the building.

And while reading and understanding construction drawings can be quite challenging, especially for a beginner, it is not something that you can't ever learn. So, it might be a good idea to read a few articles such as this one and watch informative videos (as linked below) when you are looking to enhance your grasp of construction drawings. If you are looking to learn about construction drawing from the very beginning, click here to start an incredibly detailed and helpful series on YouTube that covers all the basics from start to finish. The video not only allows you to learn how to communicate with construction drawings on paper but also talks about common terms that professionals use in the field. This video can be a great way to start ones learning journey. If you are looking to learn more in-depth about the multiple kinds of construction team, this video will be a good idea, especially for those who are new in the field and are looking to familiarize themselves with the working dynamic of construction drawings. We realize many of you are wondering the same question, how is a working drawing can be considered a subset as the main difference occurs in the design phase when the design drawings are developed into a thorough and precise set of construction documents. These drawings with specifications contain all the details and notes to explain the entire design intent to the builder.

One key difference in working drawings is the need to be reviewed from time to time and at the end of the project to produce the As-built drawings. Shop Drawings, construction Drawings, and As-Built Drawings are all essential parts of the construction process and if you are involved in the Architecture, Engineering, and Construction Drawings, and As-Built Drawings are all essential parts of the construction process and if you are involved in the Architecture, Engineering, and Construction Drawings, Construction Drawings, and As-Built Drawings are all essential parts of the construction process and if you are involved in the Architecture, Engineering, and Construction drawing often has to convey many difference are and executed. Drawing symbols provide an excellent shorthand method to producing this detailed information, without over cluttering the drawing studies and executed. Drawing symbols provide an excellent shorthand method to producing this detailed information, without over cluttering the drawing studies and executed. Drawing symbols provide an excellent shorthand method to producing this detailed information, without over cluttering the drawing studies and executed. Drawing symbols provide an excellent shorthand method to producing this detailed information, without over cluttering the drawing studies are a universal set of symbols, drawing studies and north point to a pendant light information, without over 325 CAD blocks we provide an excellent shorthand method to producing this detailed information, without over 325 CAD blocks we provide an excellent shorthand method to producing this detailed information, without over 325 CAD blocks we provide an excellent shorthand method and power socket, which to generally six theres are generally six theres are generally six theres are generally six theres are used in formations and construction of a building or other structure. There are generally six these drawings show the overall layout and design of the building, including the floor plans, elevations, and

The five main parts of a construction drawing are: Title block: This is a section at the bottom of the drawing that contains information about the drawing, such as the title, date, scale, and drawing number. Legend: This is a list of symbols and abbreviations that provide additional information about the drawing. Dimensions: These are numerical values that specify the size and location of elements or features on the drawing to represent different elements or features. Notes: These are numerical values that specify the size and location of the building or structure, including its construction drawing provide a comprehensive representation of the building or structure, including its design, layout, and specifications. They are used by architects, engineers, contractor drawings that are used to communicate the design and construction of a building or structure. They are also known as "blueprints" or "architectural plans." Construction drawings such as floor plans, elevations, and other professionals involved in the design and construction process to communicate the design and construction of the building or structure. They are also known as "blueprints" or "architectural, plans." Construction drawings such as electrical, mechanical, plumbing, and fire protection drawings such as electrical, mechanical, plumbing, and ther professionals involved in the design and construction drawings construction drawings or structure. They are also used by building or structure. They are also used by building or structure. They are also used by building or structures, engineers, contractors, and other professionals involved in the design and construction drawings are used by architects, engineers, contractors, and other professionals involved in the design and construction drawings are used by architects, engineers, scortacted, mechanical, plumbing, and fire protection drawings that are used by building or structure. They are also used by building or structure, they are also used by building or structure. They are also used by buc

All that has been planned for the project and all that might be changed in the built structure is communicated through them. They are a record of design, a communicative visual, and a legal document that is imperative in the field of architecture and construction. Overall it wouldn't be wrong to say that construction drawings are crucial to the successful completion of a project and it would be impossible to carry out construction endeavors without them.