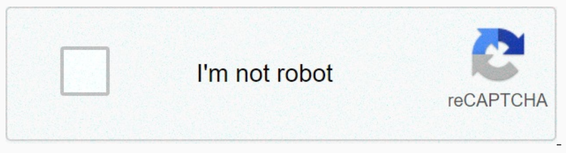
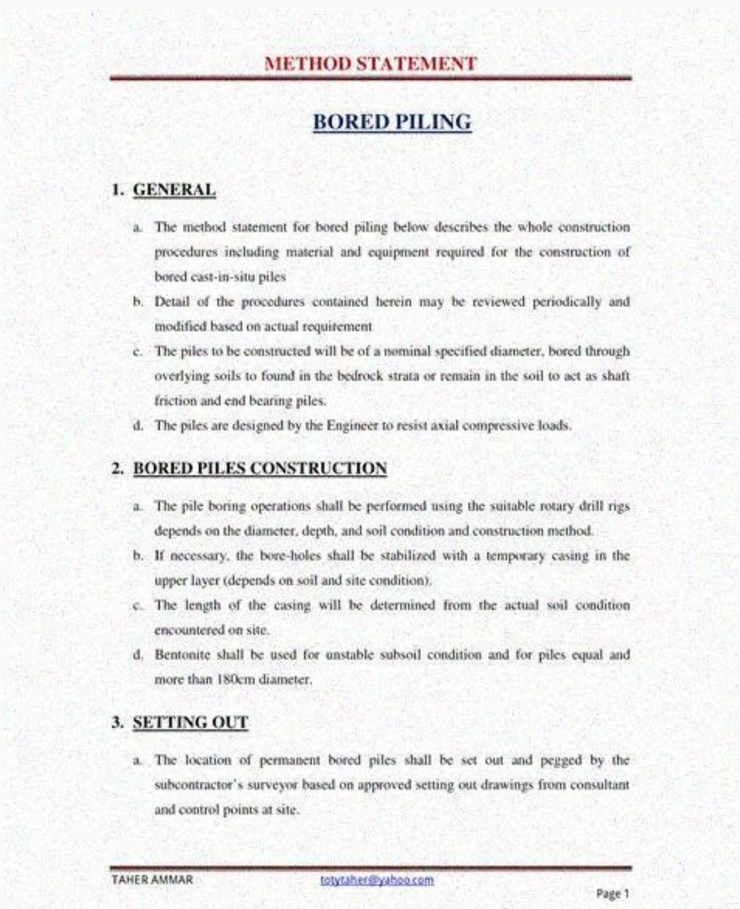


I am not robot!

Concrete core cutting method statement.

You're Reading a Free Preview Page 2 is not shown in this preview. Table of ContentsConcrete Coring and Cutting Method Statement is a detailed document that outlines the necessary steps, tools, and equipment required for concrete coring and cutting on a construction site.The article emphasizes the importance of notifying consultants and obtaining necessary approvals before commencing any activity. It also highlights the general HSE requirements that all employees must follow to ensure their own and their co-workers' safety.The document describes the tools and equipment required, including cutting and coring machines, hand tools, and scaffolding. It provides a sequence of cutting and coring works, including drilling for rail support, straight-line cutting using hydraulic wall saw systems, and lifting concrete pieces using a mobile/tower crane.Finally, the document emphasizes the importance of following safety guidelines when operating equipment, including keeping the DB at least 10m away and using the correct power supply.Before starting any work on the site, the consultants should be notified, and all necessary documents, including shop drawings, method of statements, material approvals, subcontractor's approvals, and test certificates must be approved and readily available.The following tools and equipment must be arranged:Cutting Machine – LP32/TS20Coring Machine – DD 200/DD 350Hand toolsAll employees, regardless of their position, are responsible for their personal safety and that of their co-workers.



METHOD STATEMENT

BORED PILING

1. GENERAL

a. The method statement for bored piling below describes the whole construction procedures including material and equipment required for the construction of bored cast-in-situ piles
b. Detail of the procedures contained herein may be reviewed periodically and modified based on actual requirement
c. The piles to be constructed will be of a nominal specified diameter, bored through overlying soils to found in the bedrock strata or remain in the soil to act as shaft friction and end bearing piles.
d. The piles are designed by the Engineer to resist axial compressive loads.

2. BORED PILES CONSTRUCTION

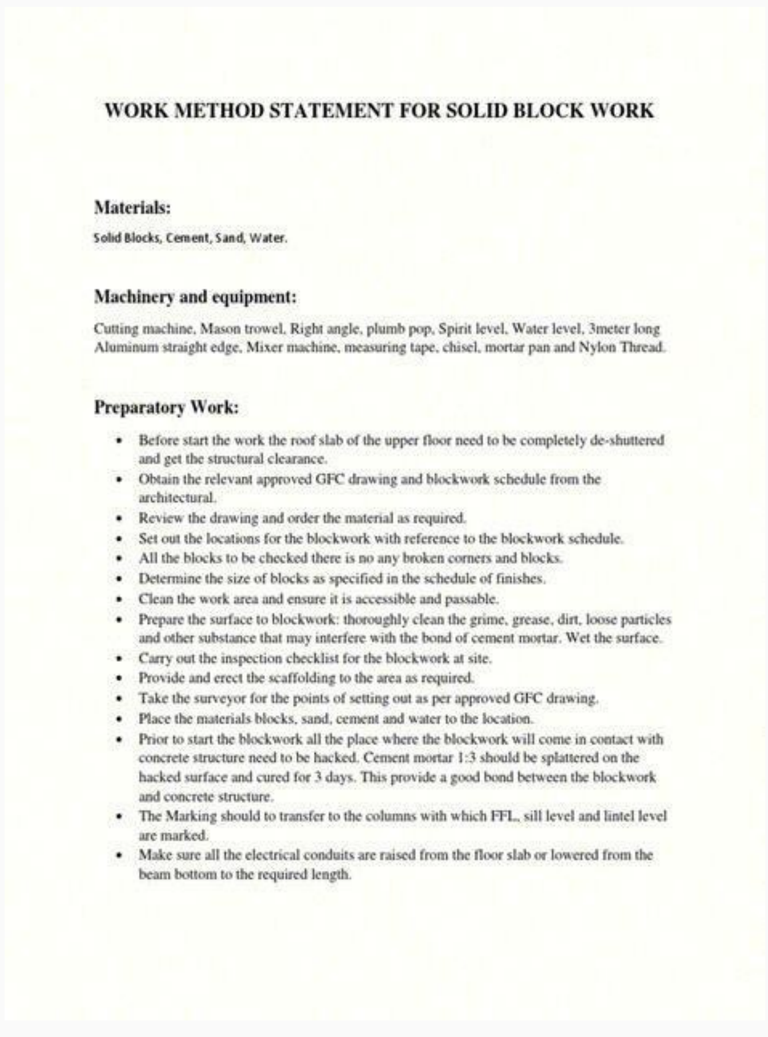
a. The pile boring operations shall be performed using the suitable rotary drill rigs depends on the diameter, depth, and soil condition and construction method.
b. If necessary, the bore-holes shall be stabilized with a temporary casing in the upper layer (depends on soil and site condition).
c. The length of the casing will be determined from the actual soil condition encountered on site.
d. Bentonite shall be used for unstable subsoil condition and for piles equal and more than 180cm diameter.

3. SETTING OUT

a. The location of permanent bored piles shall be set out and pegged by the subcontractor's surveyor based on approved setting out drawings from consultant and control points at site.

TAHER AMMAR totytaher@yahoo.com Page 1

This will be reinforced through the induction process and toolbox talks.They must:Understand the company's safety policy and their individual responsibility toward safety for themselves, their co-workers, and the company.Use the correct tools and equipment for the job.Use the protective clothing and equipment provided.Keep tools and equipment in good condition.Inspect tools/equipment for defects before use and report defects immediately to the direct supervisor.Refrain from horseplay and abusing safety devices, equipment, and welfare facilities.Report any accidents, near misses, or hazardous conditions to their immediate supervisor for correction purposes.Obey all posted warning signs.Follow instructions from supervisors. If in doubt, ask questions.Cooperate with safety personnel.Know emergency procedures (siren codes, assembly point, wind socks, etc.).Concrete coring activity on the slabFormworksThe reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Before any cutting or coring work starts, the reinforced concrete walls to be cut should be clearly marked by the main contractor and approved by the consultant.The reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Using HILTI coring machine and 6" 152mm dia core bits, two cores will be done at the center of each piece for lifting purposes, and one core will be done at the corner of each piece to avoid over-cutting.Once the coring works are done, drilling for fixing the rail support for the cutting machine will start using the Hilti drill machine and M12 drop-in anchors for straight-line cutting.After the rail is fixed, the hydraulic wall saw system DLP-32/DS-T32 from Hilti will start the straight-line cutting. The same procedure will be used for cutting vertical and horizontal lines.Using a mobile / tower crane that suits the required load of the concrete pieces, the cut concrete pieces will be lifted/lowered to the ground by using the steel chain that will be connected to the two cores in each piece.When the concrete pieces reach the ground level, they will be carted away outside the site to the approved dumping areas.The DB connected to the machine should be at least 10m away to avoid any water spillage on it. The wall saw uses a 400-volt, 63AMP breaker, and a 3-phase power supply, while the coring machine uses single-phase power.See Also: Method Statement for Civil EngineeringPurpose of Coring ConcreteExtract a cylindrical sample of the concrete for testing or analysisDetermine the compressive strength, density, permeability, and other physical properties of the concreteInspect the interior of concrete structures for defects, such as cracks, voids, or delaminationsAssess the condition of the structure and plan repairs or maintenanceCreate openings for pipes, wires, or other utilities to be installed in the concrete without damaging the surrounding structureImportant technique for evaluating and maintaining concrete structurestag: # Concrete Coring and Cutting Method Statementref: – Core drilling for building construction-contractorsMichelleV458 · Concrete Coring And Cutting Method Statement Before commencing any activity on site, the consultants must be notified.



WORK METHOD STATEMENT FOR SOLID BLOCK WORK

Materials:

Solid Blocks, Cement, Sand, Water.

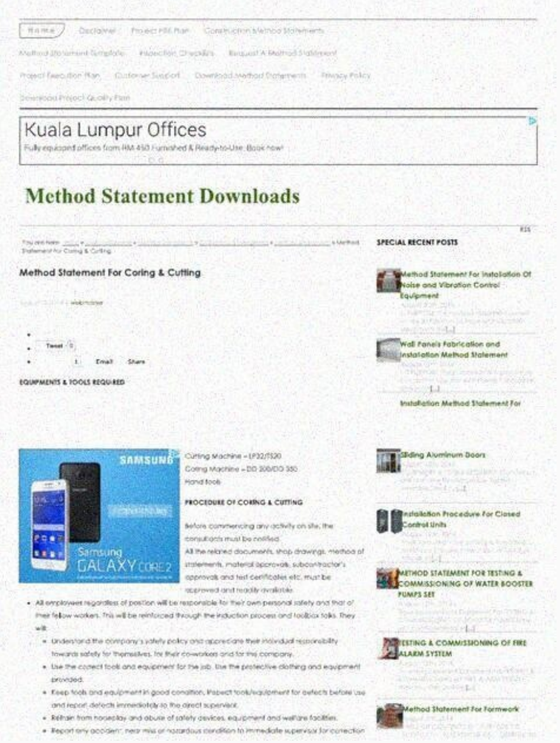
Machinery and equipment:

Cutting machine, Mason trowel, Right angle, plumb pop, Spirit level, Water level, 3meter long Aluminum straight edge, Mixer machine, measuring tape, chisel, mortar pan and Nylon Thread.

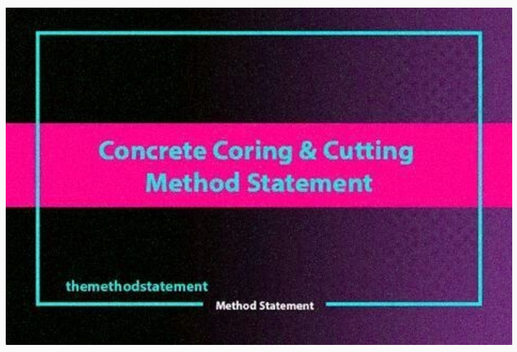
Preparatory Work:

- Before start the work the roof slab of the upper floor need to be completely de-shuttered and get the structural clearance.
- Obtain the relevant approved GFC drawing and blockwork schedule from the architectural.
- Review the drawing and order the material as required.
- Set out the locations for the blockwork with reference to the blockwork schedule.
- All the blocks to be checked there is no any broken corners and blocks.
- Determine the size of blocks as specified in the schedule of finishes.
- Clean the work area and ensure it is accessible and passable.
- Prepare the surface to blockwork: thoroughly clean the grime, grease, dirt, loose particles and other substance that may interfere with the bond of cement mortar. Wet the surface.
- Carry out the inspection checklist for the blockwork at site.
- Provide and erect the scaffolding to the area as required.
- Take the surveyor for the points of setting out as per approved GFC drawing.
- Place the materials blocks, sand, cement and water to the location.
- Prior to start the blockwork all the place where the blockwork will come in contact with concrete structure need to be hacked. Cement mortar 1:3 should be splattered on the hacked surface and cured for 3 days. This provide a good bond between the blockwork and concrete structure.
- The Marking should to transfer to the columns with which FFL, sill level and lintel level are marked.
- Make sure all the electrical conduits are raised from the floor slab or lowered from the beam bottom to the required length.

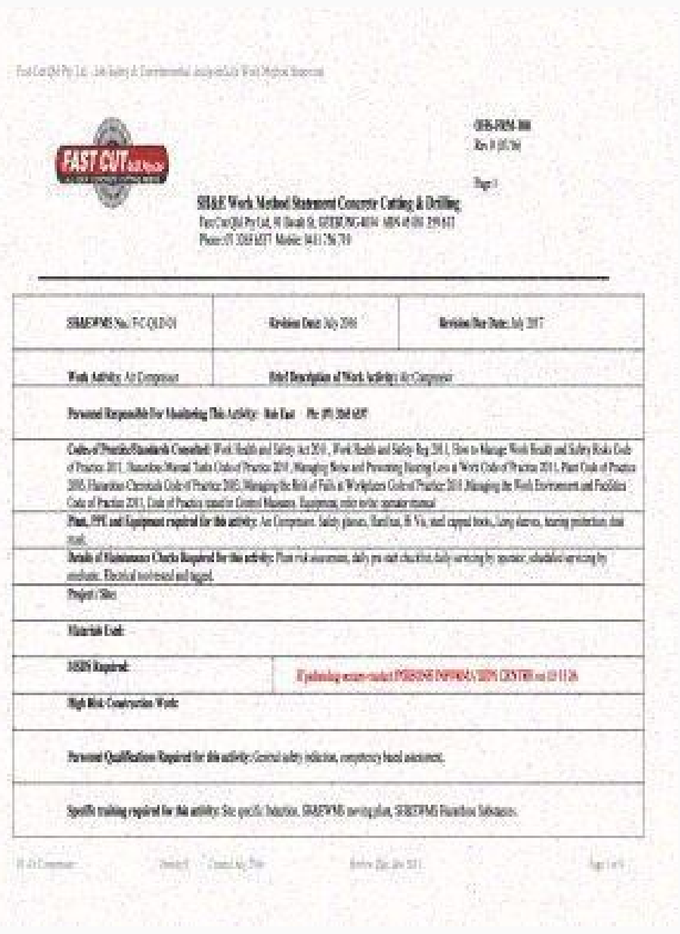
The same procedure will be used for cutting vertical and horizontal lines.Using a mobile / tower crane that suits the required load of the concrete pieces, the cut concrete pieces will be lifted/lowered to the ground by using the steel chain that will be connected to the two cores in each piece.When the concrete pieces reach the ground level, they will be carted away outside the site to the approved dumping areas.The DB connected to the machine should be at least 10m away to avoid any water spillage on it. The wall saw uses a 400-volt, 63AMP breaker, and a 3-phase power supply, while the coring machine uses single-phase power.See Also: Method Statement for Civil EngineeringPurpose of Coring ConcreteExtract a cylindrical sample of the concrete for testing or analysisDetermine the compressive strength, density, permeability, and other physical properties of the concreteInspect the interior of concrete structures for defects, such as cracks, voids, or delaminationsAssess the condition of the structure and plan repairs or maintenanceCreate openings for pipes, wires, or other utilities to be installed in the concrete without damaging the surrounding structureImportant technique for evaluating and maintaining concrete structurestag: # Concrete Coring and Cutting Method Statementref: – Core drilling for building construction-contractorsMichelleV458 · Concrete Coring And Cutting Method Statement Before commencing any activity on site, the consultants must be notified. All the related documents, shop drawings, method of statements, material approvals, subcontractor's approvals and test certificates etc. must be approved and readily available. Below mentioned tools and equipment shall be arranged. Cutting Machine – LP32/TS20 Coring Machine – DD 200/DD 350 Hand tools All employees regardless of position will be responsible for their own personal safety and that of their fellow workers. This will be reinforced through the induction process and toolbox talks. They will: Understand the company's safety policy and appreciate their individual responsibility towards safety for themselves, for their co-workers and for the company. Use the correct tools and equipment for the job. Use the protective clothing and equipment provided. Keep tools and equipment in good condition.
Inspect tools/equipment for defects before use and report defects immediately to the direct supervisor. Refrain from horseplay and abuse of safety devices, equipment and welfare facilities. Report any accident, near miss or hazardous condition to immediate supervisor for correction purposes. Obey all posted warning signs. Follow instructions from supervisors. If in doubt, ask questions. Cooperate with safety personnel. Know emergency procedures (siren codes, assembly point, wind socks, etc. Form works The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done. Sequence of Cutting & Coring Works The R/C Walls to be cut should be clearly marked by Main Contractor and approved by the consultant before any Cutting/Coring works starts.
The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done. Using HILTI Coring machine and 6" 152mm Dia core bits, 2nos. core will be done at center of each piece for lifting purposes and 1nos. core will be cone at corner of each piece to avoid over cutting. When coring works is done, drilling for fixing the rail support for the cutting machine will start by using Hilti drill machine and M12 drop in Anchors for straight line cutting. After the Rail is fixed the Hydraulic wall saw system DLP-32/DS-T32 from Hilti will start straight line cutting. The same procedure will be used for cutting vertical and horizontal lines. Using Mobile/Tower Crane to suit the required load of the concrete pieces, the cut concrete pieces will be lifted / lowered to the ground by using the Steel Chain that will be connected to the two cores done in each piece. When the concrete pieces reach the ground level, it will be carted away outside the site to the approved dumping areas. The DB connected to the machine should be at least 10m away to avoid any water spillage on it. The wall saw is using 400 volt, 63AMP breaker and 3 phase power supply.



The wall saw uses a 400-volt, 63AMP breaker, and a 3-phase power supply, while the coring machine uses single-phase power.See Also: Method Statement for Civil EngineeringPurpose of Coring ConcreteExtract a cylindrical sample of the concrete for testing or analysisDetermine the compressive strength, density, permeability, and other physical properties of the concreteInspect the interior of concrete structures for defects, such as cracks, voids, or delaminationsAssess the condition of the structure and plan repairs or maintenanceCreate openings for pipes, wires, or other utilities to be installed in the concrete without damaging the surrounding structureImportant technique for evaluating and maintaining concrete structurestag: # Concrete Coring and Cutting Method Statementref: – Core drilling for building construction-contractorsMichelleV458 · Concrete Coring And Cutting Method Statement Before commencing any activity on site, the consultants must be notified. All the related documents, shop drawings, method of statements, material approvals, subcontractor's approvals and test certificates etc. must be approved and readily available. Below mentioned tools and equipment shall be arranged. Cutting Machine – LP32/TS20 Coring Machine – DD 200/DD 350 Hand tools All employees regardless of position will be responsible for their own personal safety and that of their fellow workers. This will be reinforced through the induction process and toolbox talks. They will: Understand the company's safety policy and appreciate their individual responsibility towards safety for themselves, for their co-workers and for the company. Use the correct tools and equipment for the job. Use the protective clothing and equipment provided. Keep tools and equipment in good condition. Inspect tools/equipment for defects before use and report defects immediately to the direct supervisor. Refrain from horseplay and abuse of safety devices, equipment and welfare facilities. Report any accident, near miss or hazardous condition to immediate supervisor for correction purposes. Obey all posted warning signs. Follow instructions from supervisors. If in doubt, ask questions. Cooperate with safety personnel. Know emergency procedures (siren codes, assembly point, wind socks, etc. Form works The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done. Sequence of Cutting & Coring Works The R/C Walls to be cut should be clearly marked by Main Contractor and approved by the consultant before any Cutting/Coring works starts. The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done. Using HILTI Coring machine and 6" 152mm Dia core bits, 2nos.



If in doubt, ask questions.Cooperate with safety personnel.Know emergency procedures (siren codes, assembly point, wind socks, etc.).Concrete coring activity on the slabFormworksThe reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Before any cutting or coring work starts, the reinforced concrete walls to be cut should be clearly marked by the main contractor and approved by the consultant.The reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Using HILTI coring machine and 6" 152mm dia core bits, two cores will be done at the center of each piece for lifting purposes, and one core will be done at the corner of each piece to avoid over-cutting.Once the coring works are done, drilling for fixing the rail support for the cutting machine will start using the Hilti drill machine and M12 drop-in anchors for straight-line cutting.After the rail is fixed, the hydraulic wall saw system DLP-32/DS-T32 from Hilti will start the straight-line cutting. The same procedure will be used for cutting vertical and horizontal lines.Using a mobile / tower crane that suits the required load of the concrete pieces, the cut concrete pieces will be lifted/lowered to the ground by using the steel chain that will be connected to the two cores in each piece.When the concrete pieces reach the ground level, they will be carted away outside the site to the approved dumping areas.The DB connected to the machine should be at least 10m away to avoid any water spillage on it.



It also highlights the general HSE requirements that all employees must follow to ensure their own and their co-workers' safety.The document describes the tools and equipment required, including cutting and coring machines, hand tools, and scaffolding. It provides a sequence of cutting and coring works, including drilling for rail support, straight-line cutting using hydraulic wall saw systems, and lifting concrete pieces using a mobile/tower crane.Finally, the document emphasizes the importance of following safety guidelines when operating equipment, including keeping the DB at least 10m away and using the correct power supply.Before starting any work on the site, the consultants should be notified, and all necessary documents, including shop drawings, method of statements, material approvals, subcontractor's approvals, and test certificates must be approved and readily available.The following tools and equipment must be arranged:Cutting Machine – LP32/TS20Coring Machine – DD 200/DD 350Hand toolsAll employees, regardless of their position, are responsible for their personal safety and that of their co-workers. This will be reinforced through the induction process and toolbox talks.They must:Understand the company's safety policy and their individual responsibility toward safety for themselves, their co-workers, and the company.Use the correct tools and equipment for the job.Use the protective clothing and equipment provided.Keep tools and equipment in good condition.Inspect tools/equipment for defects before use and report defects immediately to the direct supervisor.Refrain from horseplay and abusing safety devices, equipment, and welfare facilities.Report any accidents, near misses, or hazardous conditions to their immediate supervisor for correction purposes.Obey all posted warning signs.Follow instructions from supervisors. If in doubt, ask questions.Cooperate with safety personnel.Know emergency procedures (siren codes, assembly point, wind socks, etc.).Concrete coring activity on the slabFormworksThe reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Before any cutting or coring work starts, the reinforced concrete walls to be cut should be clearly marked by the main contractor and approved by the consultant.The reinforced concrete walls will have scaffolding/safe platforms that will be placed near the wall, allowing the operator and helper to conduct the required coring and cutting works on the wall.The main contractor will carry out this application in line with the marking done.Using HILTI coring machine and 6" 152mm dia core bits, two cores will be done at the center of each piece for lifting purposes, and one core will be done at the corner of each piece to avoid over-cutting.Once the coring works are done, drilling for fixing the rail support for the cutting machine will start using the Hilti drill machine and M12 drop-in anchors for straight-line cutting.After the rail is fixed, the hydraulic wall saw system DLP-32/DS-T32 from Hilti will start the straight-line cutting. The same procedure will be used for cutting vertical and horizontal lines.Using a mobile / tower crane that suits the required load of the concrete pieces, the cut concrete pieces will be lifted/lowered to the ground by using the steel chain that will be connected to the two cores in each piece.When the concrete pieces reach the ground level, they will be carted away outside the site to the approved dumping areas.The DB connected to the machine should be at least 10m away to avoid any water spillage on it. The wall saw uses a 400-volt, 63AMP breaker, and a 3-phase power supply, while the coring machine uses single-phase power.See Also: Method Statement for Civil EngineeringPurpose of Coring ConcreteExtract a cylindrical sample of the concrete for testing or analysisDetermine the compressive strength, density, permeability, and other physical properties of the concreteInspect the interior of concrete structures for defects, such as cracks, voids, or delaminationsAssess the condition of the structure and plan repairs or maintenanceCreate openings for pipes, wires, or other utilities to be installed in the concrete without damaging the surrounding structureImportant technique for evaluating and maintaining concrete structurestag: # Concrete Coring and Cutting Method Statementref: – Core drilling for building construction-contractorsMichelleV458 · Concrete Coring And Cutting Method Statement Before commencing any activity on site, the consultants must be notified. All the related documents, shop drawings, method of statements, material approvals, subcontractor's approvals and test certificates etc. must be approved and readily available. Below mentioned tools and equipment shall be arranged. Cutting Machine – LP32/TS20 Coring Machine – DD 200/DD 350 Hand tools All employees regardless of position will be responsible for their own personal safety and that of their fellow workers. This will be reinforced through the induction process and toolbox talks. They will: Understand the company's safety policy and appreciate their individual responsibility towards safety for themselves, for their co-workers and for the company. Use the correct tools and equipment for the job. Use the protective clothing and equipment provided. Keep tools and equipment in good condition. Inspect tools/equipment for defects before use and report defects immediately to the direct supervisor.
Refrain from horseplay and abuse of safety devices, equipment and welfare facilities. Report any accident, near miss or hazardous condition to immediate supervisor for correction purposes. Obey all posted warning signs. Follow instructions from supervisors. If in doubt, ask questions.
Cooperate with safety personnel.
Know emergency procedures (siren codes, assembly point, wind socks, etc. Form works The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done.
Sequence of Cutting & Coring Works The R/C Walls to be cut should be clearly marked by Main Contractor and approved by the consultant before any Cutting/Coring works starts. The R/C Walls will have scaffolding/safe platform that will be done near to the wall the operator and helper to the required coring and cutting woks in the wall. This application to be done by the Main Contractor in the line with the marking done. Using HILTI Coring machine and 6" 152mm Dia core bits, 2nos. core will be done at center of each piece for lifting purposes and 1nos. core will be cone at corner of each piece to avoid over cutting. When coring works is done, drilling for fixing the rail support for the cutting machine will start by using Hilti drill machine and M12 drop in Anchors for straight line cutting. After the Rail is fixed the Hydraulic wall saw system DLP-32/DS-T32 from Hilti will start straight line cutting.
The same procedure will be used for cutting vertical and horizontal lines. Using Mobile/Tower Crane to suit the required load of the concrete pieces, the cut concrete pieces will be lifted / lowered to the ground by using the Steel Chain that will be connected to the two cores done in each piece.
When the concrete pieces reach the ground level, it will be carted away outside the site to the approved dumping areas. The DB connected to the machine should be at least 10m away to avoid any water spillage on it. The wall saw is using 400 volt, 63AMP breaker and 3 phase power supply. The Coring machine is using single phase power. Concrete works (slab, delivery, pumping etc.) can be hazardous activities on any construction site, which is why companies create safe work method statements for these operations. A safe work method statement for concreting - like you see to the right - enables a company, project or team to document how it approaches the job steps involved with working with concrete, and outline the control measures and standard rules and procedures associated with beginning these works. A concrete SWMS typically includes the steps around arriving on site, discharging the concrete, washing down and leaving site. This template comes pre-built with these standard job steps and some generic control measures, but the template is fully customisable so you can edit any of the contents to better suit your own specific project and safety requirements.
Because concrete delivery and concrete works typically happen quickly, this dynamic concrete SWMS can be accessed and signed off directly on site using a mobile or tablet - and completely controlled on a computer too.
This ensures that the company or project is always using the same latest version of the concrete SWMS, and that it's easier to share with workers, management and other parties. Improve your concrete works safety using this safe work method statement now.