



**Site Specific Health and Safety Specification in terms of
2014 Construction Regulations 5.1(b)**


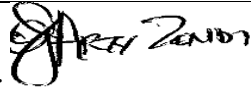
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Compiled by	Bongiwe Gazu
	Signature: 
Approved by	Arty Zondi
	Signature: 
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Table of contents

1. Definitions
2. Project Description
3. Limitation of liability
4. Purpose of the Construction Health and Safety Specification
5. Implementation of the construction h&s specification
6. Project Health and Safety Cost
7. Scope of Work
8. Compensation for Occupational Injuries and Diseases Act, 130 of 199
9. Notification of Construction work
10. Management and Supervision of Construction
 - a. Construction Manager
 - b. Construction Safety Officer
 - c. Construction Supervisor
11. Principal Contractor's Health and Safety Plan
12. Hazard Identification and Risk Assessment
13. Health and Safety File
14. Health and Safety Representatives and Committee
15. Close-out and Consolidated Health and Safety File
16. Health and Safety Training
17. Incidents Management & First Aid
18. Health & Safety Audits
19. Fire Precautions on Construction Site
20. Electrical Installations on Construction Sites
21. Personal Protective Equipment (PPE) and Clothing
22. Occupational Health and Safety Signage
23. Duties of Principal Contractors and Contractors
24. Fall Protection and Working on Elevated Position
25. Structures
26. Scaffolding
27. Public Health Safety and Traffic Management Plan
28. Construction Employees Facilities
29. Storage and use of Flammable liquids
30. Hazardous Chemical Substances
31. Crane and lifting operations.
32. Housekeeping and General Safeguarding on Construction Site
33. Construction Medicals
34. Stacking and Storage on Construction Site
35. Induction and Toolbox Talk Programme
36. Design Risk Management
37. Environmental management
38. Heat Stress
39. Bulk Mixing Plant
40. Covid 19 Precautions

1. DEFINITIONS

For the purpose of this Construction Health and Safety Specification, all definitions in the Occupational Health and Safety Act and Regulations, the abbreviations and the definitions given hereunder shall apply; where definitions may overlap, the most onerous requirement shall apply:

Acronym or Definition	Meaning
Agent	Refer to the Agent appointed by the Client to act on its behalf, and who is appointed in writing
CHSS	Refers to this document as the Construction Health and Safety Specification
Client	Refers to eThekweni Municipality
COIDA	Means Compensation for Occupational Injuries and Diseases Act 130 of 1993
Construction Site	Means the premises and grounds where construction work is being performed
Principal Contractor	Means an employer appointed by the Client to perform construction works
CR	Refers to the Construction Regulations of 2014
DSTI	Refer to a documented daily safe task instruction compiled and issued by a contractor and trained to all relevant employees
H&S	Refers to Health and Safety
Medical Certificate of Fitness	Means a valid medical certificate of fitness issued by an occupational medicine practitioner, such medical testing shall be relevant to the risks of the construction work on the construction site and shall conform to the Occupational Health and Safety Act and Regulations and to the requirement of this Health and Safety Specification
Method Statement	Refer to a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in the Risk Assessment
OHSA	Refer to the Occupational Health and Safety Act
Regulations	Refer to the Regulations stipulated in the OHSA
S	Refer to a section in the OHSA
SACPCMP	Means the South African Council for the Project and Construction Management Professions
Sub-Contractor	Means an employer appointed by the Principal Contractor

2. PROJECT DESCRIPTION

This project delivers CSA3187 Replacement of roof at city fleet HQ.

The site is located at City Fleet HQ 19 Alice Street Durban .The proposal is to “over roof” the existing building by extending the existing parapet walls, thus allowing a new trussed roof with sheet metal roof covering. It is proposed that the new roof would overhand the existing walls. New gutters and rainwater downpipes and goods would be installed.

The Architecture Department was approached to undertake this upgrade and the project CSA3187 Replacement of roof at city fleet was allocated as a structural project which was handled by the Structural Department.

3. LIMITATIONS OF LIABILITY

The Principal Contractor shall enter into a Mandatory Agreement with the Client, as defined in Section 37(2) of the Occupational Health and Safety ACT.

The Principal Contractor shall ensure that each contractor appointed by the Principal Contractor and each sub-contractor appointed by a contractor also into a Mandatory Agreement with the Principal Contractor, as defined in Section 37(2) of the Occupational Health and Safety ACT. These agreements shall be included in the Principal Contractor’s H&S File on site and be valid for the duration of the contractors’ work on the construction site.

4. PURPOSE OF THE CONSTRUCTION H&S SPECIFICATION

This document defines the minimum management requirement that is to be implemented by the Principal Contractor/Contractor for the management of Health and Safety on any eThekweni Municipality project.

The aim of this document is to present the health and safety aspects that need to be controlled and managed on the project.

This Health and Safety specification identifies and encompasses the working behaviours and safe work practices that are expected of all employees, Vendors and Contractors, Sub-Contractors and Visitors, engaged on construction site.

Providing a guideline to comply with best Health & Safety practices and the Occupational Health and Safety Act 85/1993 as amended, including reference to applicable legislative requirement.

5. IMPLEMENTATION OF THE CONSTRUCTION H&S SPECIFICATION

The Project specific H&S Specification (PSHSS) forms an integral part of the Contract, and the PC is required to make it an integral part of their Contracts with the Contractors and Suppliers.

This Specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done, and to ensure compliance thereto. The information relative to the scope of the Project, the works etc. are detailed in the tender and are to be considered when developing the H&S Plan and associated documentation. The OHSA Section 37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents. Non-conformances will be issued, and penalties or work stoppages will be issued where appropriate. Communication between the H&S Agent and the PC will be through the Engineer (or Clients responsible person) as determined at the commencement of the project. This CHSS forms an integral part of the Contract, and Principal Contractors H&S Planning and safe work execution must be based. The Principal Contractor shall ensure that the H&S Plan contain sufficient evidence of:

- Adequate provision for the cost of safety measures
- The Principal Contractor access to and intention to appoint persons with the necessary competencies to carry out the construction work safely.
- The Principal Contractors access to the necessary resources to carry out the construction work safely and without risk to the health of the workers.
- The Principal Contractor's planning of construction activities within the special requirement emanating from personnel deployment, time constraints and language barriers.

The Principal Contractor shall allow in their cost provision for complying with the requirements of this CHSS; resources for the following H&S controls shall be in place.

6. PROJECT HEALTH AND SAFETY COST

The Client must ensure that potential Principal Contractor submitting tenders have made adequate provision for the cost of health and safety measures. The Principal Contractor shall allow in their cost provision for complying with the requirements of this CHSS; resources for the following H&S controls shall be in place.

	H&S cost item	Description
1.	Full time safety officer/ part-time safety officer	Full time attendance on site of a SACPCMP registered safety officer from the start of construction until the end of project handover
2.	Competent H&S Design/Outsourced service providers	Services of competent designers for temporary works, scaffolding, fall arrest, recovery systems, and supporting structure extra
3.	First Aiders	Standard first aid training Special (additional) fall recovery first aid training
4.	Competent inspectors (trained, certified, competent)	Statutory inspections of excavations, temporary works, fire extinguishers, lifting equipment, lifting machinery, ladders, construction vehicles and mobile plant, portable electrical equipment, etc.
5.	Mandatory training in site legal register and risk assessments	Training of all employees holding statutory appointments as competent persons ensuring that they are familiar with the Occupational Health and Safety Act and Regulations. H&S induction and Risk Assessment training all employees in Daily Safe Task Instructions
6.	Training of employees in H&S	Occupational Health and Safety Training in accordance with the skills matrix included in the approved H&S Plan.
7	Medical certificate of fitness	Medical examination of all employees and certification of fitness by an Occupational Medicine Practitioner Pre- employment, annual and exit medical examination is required
8	Supply and training for PPE	Standards set for all employees Special sets including : fall arrest, special respiratory, adapted hearing protection,

		adapted hand protection, adapted eye and face protection
9	Dust mitigation	To reduce dust exposure to the employees and the public
10	Public protection and barricading	To reduce risk exposure to the employees and members of the public
11	Employee facilities	Refer to the Facilities Regulations (drinking water, change facility, personal lockers, and wash facilities, eating facilities.
12	Covid 19	Contractor must ensure that a covid19 health and safety plan and risk assessment is in place and all other control measures relating to the corona virus are maintained and all times. Employees are fully trained and aware of the covid 19. All related covid19 essentials must be distributed (Clothing mask, Sanitizer, infrared thermometer, screen questionnaires etc.)
13	Underlying services	Relocation of underlying services
14	Other	Items not indicated in the Specification

7.SCOPE OF WORK

The scope addresses legal compliance, hazard identification and risk assessment and the promotion of a health and safety culture amongst those working on the project.

This project< CSA3187 Replacement of roof of city fleet HQ

The site is located at City Fleet HQ 19 Alice Street Durban

The scope of work comprises of:

EXISTING BUILDING:

- The existing building has a box gutter that has been recessed below a masonry parapet wall. This gutter collects and dispels rainwater off a pitched roof. This system needs maintenance.

PROPOSAL:

- “over roof “the existing system.
- The benefits of this proposal is to minimise downtime and allows the existing functions to proceed unindereed. The “overroof” also has been proposed with an overhang, thus eliminating the hidden box gutter. This overhand and external getter will minimise the opportunity of leaking and

ongoing waterproofing maintenance. The proposed over roof has been proposed as a dual pitch over the body of the building and a monopitch over the slightly wider street front facing part of the the building , over the width of the vertical circulation core. This is to prevent a box gutter along the core wall. The height of the monoptch seems to be determined by an existing louver on the east facing elevation of this core.

- Working at height
- Lifting equipment
- Scaffolding work
- Site establishment
- Plumbing work

8. COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT

The Principal Contractor, each contractor and each sub-contractor shall submit proof of Good Standing with COIDA Commissioner or a Mutual Association licensed in terms of Section 30 of COIDA, prior to starting any work on site.

A copy of the Letter of Good Standing with COIDA Commissioner must be included in the H&S Plan of each contractor working on the site and must remain updated for the duration of the construction work.

9. NOTIFICATION OF CONSTRUCTION WORK

The Principal Contractor must at least 7 days before that work is to be carried out notify the provincial director in writing in a form similar to Annexure 2 if the intended construction work will—

Include excavation work;

Include working at a height where there is risk of falling;

Include the demolition of a structure; or

Include the use of explosives to perform construction work.

A contractor who intends to carry out construction work that involves construction of a single storey dwelling for a client who is going to reside in such dwelling upon completion, must at least 7 days before that work is to be carried out notify the provincial director in writing in a form similar to Annexure 2

10. MANAGEMENT AND SUPERVISION OF CONSTRUCTION WORK

10.1 Construction Manager

The Principal Contractor shall appoint a full time competent person as the construction manager with the duty of managing all construction on the site including the duty of ensuring occupational health and safety compliance.

The Construction Manager must demonstrate competency in relation to work being performed and the ability to manage construction work which may include making all statutory appointments in terms of health and safety.

10.2. CONSTRUCTION SAFETY OFFICER

The Principal Contractor shall appoint a competent Construction Safety Officer for the construction work. The Construction Safety Officer shall be full/part time on the construction site for this project.

The Safety Officer shall be registered with the South African Council for the Projects and Construction Management Professions. Proof of competence and registration of the appointed Construction Safety Officer must be included in the H&S Plan.

10.3. CONSTRUCTION SUPERVISOR

A Construction Manager must in writing appoint construction supervisors responsible for construction activities and ensuring occupational health and safety compliance on the construction site.

A contractor must, upon having considered the size of the project, in writing appoint one or more competent employees for different sections thereof to assist the construction supervisor contemplated in sub regulation (7), and every such employee has, to the extent clearly defined by the contractor in the letter of appointment, the same duties as the construction supervisor: Provided that the designation of any such employee does not relieve the construction supervisor of any personal accountability for failing in his or her supervisory duties in terms of this regulation.

11. PRINCIPAL CONTRACTOR'S HEALTH AND SAFETY PLAN

The Principal Contractor shall submit a suitable, sufficiently documented and coherent specific health and safety plan based on the Client documented Health and Safety Specification. The health and safety plan shall include but not limited to the following

- Objectives
- Scope of work
- Management of construction and supervision
- Monitoring and review plan

- Covid 19 plan and risk assessment
- Sub-Contractor Management

- Risk Assessment & Written Safe Working Procedures
- Roof work planning/method statement
- Scaffolding procedure
- Structural procedure
- Civil services as per scope of work
- Incident Management & First Aid
- Fall Protection Plan/ Working at elevated position
- Emergency Evacuation Plan/Procedures
- Fire Prevention & Protection
- Public Safety
- PPE Provision
- Health & Safety Signage
- Construction Vehicles, Mobile Plants and Lifting Equipment
- Hand & Electrical Tool Management
- Construction Employees Facilities
- Health & Safety Policies
- Health and Safety Training & Competencies
- Housekeeping
- Hazardous Chemicals
- Site Barricading
- Traffic Accommodation/Management
- Induction
- Medicals
- Site Security
- Stacking and Storage
- Heat stress
- Transportation of Employees
- Internal Audit
- Inspection Registers
- Toolbox Talks
- SHE Meetings and Committees

Specific site activities but not limited to:

EXISTING BUILDING:

- The existing building has a box gutter that has been recessed below a masonry parapet wall. This gutter collects and dispels rainwater off a pitched roof. This system needs maintenance.

PROPOSAL:

- “over roof “the existing system.
 - The benefits of this proposal is to minimise downtime and allows the existing functions to proceed unindereed. The “overroof” also has been proposed with an overhang, thus eliminating the hidden box gutter. This overhand and external getter will minimise the opportunity of leaking and ongoing waterproofing maintenance. The proposed over roof has been proposed as a dual pitch over the body of the building and a monopitch over the slightly wider street front facing part of the the building , over the width of the vertical circulation core. This is to prevent a box gutter along the core wall. The height of the monoptch seems to be determined by an existing louver on the east facing elevation of this core.
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- Working at height
 - Lifting equipment
 - Scaffolding work
 - Site establishment
 - Plumbing work

12. HAZARD IDENTIFICATION AND RISK ASSESSMENT

The Principal Contractor shall before commencement of any construction and during such construction works have risk assessments performed by appointed competent person in writing which forms part of the health and safety plan to be applied.

The provisions of Regulation 9 of the Construction Regulations shall be followed in every detail.

13. HEALTH AND SAFETY FILE

The Client must discuss and negotiate with a Principal Contractor the content of the Health and Safety Plan and thereafter finally approve the Health and Safety plan for implementation. The recommended Health and Safety file shall include the following:

- Client Health & Safety Specification
- Principal Contractor Health & Safety Plan
- Updated letter of good standing with Commissioner
- Covid 19 plan and risk assessment
- Section 37.2 Mandatory Agreement
- Contractor appointment letter in terms of CR 5.1(k)
- Risk Assessments
- Written Safe Working Procedures
- Applicable Inspection Registers
- Incident/Accident Management
- Award letter from SCM
- Organogram
- Copy of OHS Act and COID Act
- Environmental Management Plan if applicable
- Health and Safety Induction programme
- Site Emergency Evacuation Plan
- Key Personnel contact numbers
- Site Safety Rules
- Medical Records – Medical Fitness Certificate
- Tool Box Talks Programme
- HIV/AIDS Awareness Programme
- Fall Protection Plan
- Material Safety Data Sheets
- SHE Policy

- First Aid box and competent first aider
- Appointment letters and competencies
- Notification of construction work

14. HEALTH AND SAFETY REPRESENTATIVES AND COMMITTEE

Health and Safety Representatives

- The Principal Contractor shall ensure that Health and Safety Representatives are appointed in writing and exercise their functions as defined in OHSA.
- The Principal Contractor shall elect and appoint a health and safety representative regardless of the number of employees on the site.
- The H&S representative shall at all times be on site and report to the Health and Safety Officer and Construction Manager.

Health and Safety Committee

- The Principal Contractor shall ensure that the H&S committee meets on a monthly basis
- The Principal Contractor's management and each contractor shall be represented at the H&S committee meeting; contractors with more than 20 employees shall have an H&S representative at each committee meeting and each contractor shall have a management member attending each H&S committee meeting.

15. CLOSE- OUT CONSOLIDATED HEALTH AND SAFETY FILE

The Principal Contractor shall compile a consolidated H&S file and hand over to the Business Unit; OHS Unit will conduct a project close out using the appropriate checklist before the completion of the project.

16. HEALTH AND SAFETY TRAINING

The Principal Contractor shall ensure that employees are trained on health and safety measures this shall include but not limited to:

- Written Safe Working Procedures
- Risk Assessments
- Health and Safety Plan
- Emergency Management Plan
- Induction
- Toolbox Talks
- MSDS

17. INCIDENTS MANAGEMENT & FIRST AID

All incidents and accidents as per Section of the Act must be reported, recorded and investigated as per General Administration Regulation 8 & 9

Where a fatality or permanent disabling injury or incident occurs on the Construction site, the Client must ensure that the Principal Contractor provides the Provincial Director with a report contemplated in Section 24 of the Act and the report includes the measures that the Principal Contractor intends to implement to ensure a safe construction site.

18. HEALTH AND SAFETY AUDITS

The Client must ensure that periodic health and safety audits are conducted at intervals mutually agreed upon between the Principal Contractor and the Client at least every 30 days, the copy of the health and safety audit report must be provided to the Principal Contractor within seven days after the audit.

19. FIRE PRECAUTIONS ON CONSTRUCTION SITE

The Principal Contractor shall provide suitable fire extinguishers which shall be serviced regularly in accordance with the manufactures recommendations.

Safety signage shall be prominently displayed in all areas where fire extinguishers are located. The Principal Contractor shall arrange for training of the relevant personnel, in the use of fire extinguishers.

The provisions of Regulation 29 of the Construction Regulations as well as Regulation 9 of Environmental Regulation for Workplaces shall be followed in every detail.

20. ELECTRICAL INSTALLATIONS AND MACHINERY ON CONSTRUCTION SITE.

The Principal Contractor shall designate a competent electrician in writing who shall control all electrical installations.

All temporary electrical installations used by the contractor are inspected at least once a week by a competent person and the inspection findings are recorded in a register kept on the construction site.

All Electrical machinery is inspected by the authorized operator or user on daily basis using a relevant checklist prior to use and the inspection findings are recorded in a register kept on the construction site.

The contractor must be qualified to install generator, qualified electrician and proof must be attached on the safety file

Emergency light and emergency lift must be connected

Before the completion of the installation the test must be conducted and compliance certificate to be issued by a competent person

The provisions of Regulation 5, 6 & 9 of the Electrical Installation Regulations shall be followed in every detail.

21. PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

The Principal Contractor shall ensure that every employee is issued with, and wears SANS-approved P.P.E. as per the conducted risk assessment.

Failure to use protective equipment as per the risk assessment shall require disciplinary intervention and this process shall be documented in the induction.

No employer shall in respect of anything which he is in terms of this Act required to provide or to do in the interest of health or safety of an employee make any deductions from any employee's remuneration or require or permit any employee to make any payment to him or to any other person.

The provisions of Regulation 2 of the General Safety Regulations shall be followed in every detail.

22. OCCUPATIONAL HEALTH AND SAFETY SIGNAGE

The Principal Contractor shall erect and maintain quality safety signage

The signage shall include but is not limited to:

- The construction work permit number displayed at the entrance
- Access restrictions
- A sign indicating that all visitors must report to the site office and must be accompanied by the Principal Contractor when accessing the site
- The name and telephone number of the responsible person(s)
- Emergency telephone number(s)
- PPE to be worn at the particular site
- When falling objects may occur, relevant barricading and warning signs must be erected
- Excavations, heights structures, temporary structures and all risk areas must be indicated as per the specific methods defined in the H&S Plan.

23. DUTIES OF PRINCIPAL CONTRACTORS AND CONTRACTORS

Contractors and sub-contractors must be given a copy of the H&S specification and any additional specification issued by the Client and shall comply with these specifications integrally. All employers working on the site shall conform to the standard in the CHSS. All the duties of the Principal Contractor in this CHSS equally apply, in full, to contractors of such Principal Contractor and to sub-contractors of such contractors.

The Principal Contractor shall ensure that the comprehensive and updated list of all the contractors and sub-contractors on site includes:

- A reference to the agreements between the parties, including all contractors Section 37(2) agreements with the Principal Contractor
- The type of work being done
- The date of the approval of the H&S Plan
- The date of expiry of the COIDA certificate of good standing
- The date of the last monthly audit

The provisions of Regulation 7 of the Construction Regulations shall be followed in every detail.

24. FALL PROTECTION AND WORKING ON ELEVATED POSITION

The Principal Contractor shall ensure that the fall protection plan include a risk assessment for all work carried out from the fall risk position and the safe work procedures.

All employees working from fall risk position are subject to medical examination. The Training Programme must be in place for employees working from a fall risk position.

The procedures of address the inspection, testing and maintenance of all fall risk protection equipment.

The rescue plan must have a detail procedure, personnel and suitable equipment to be used to rescue a person.

The Principal Contractor must that a competent person is designated to be responsible for the preparation of the fall protection plan.

The provisions of Regulation 10 of the Construction Regulations shall be followed in every detail.

25. STRUCTURES

A contractor must ensure that all reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying out of construction work;

No structure or part of a structure is loaded in a manner which would render it unsafe;

All drawings pertaining to the design of the relevant structure are kept on site and are available on request to an inspector, other contractors, the client and the client's agent or employee.

26. SCAFFOLDING

The Principal Contractor must appoint a competent person in writing who must ensure that all scaffolding work operations are carried out under his or her supervision and that all scaffold erectors, team leaders and inspectors are competent to carry out their work.

Scaffold erectors and inspectors must be formally trained and certified competent such training must conform to the requirements of SANS 10085

Scaffolds must be clearly tagged with safe access signage, scaffolds must be inspected daily prior to use and weekly by the scaffold inspector. All scaffolds on site must be individually identified and display a safe / not safe sign.

Inspections by the scaffold inspector must be documented on the scaffold tag and in a register; a template of the tag and of the register shall be included in the H&S Plan

All scaffolds must be accessed with a ladder only. Ladders must be inside the scaffolds and hatches must be close ladder – openings in decks

All scaffold decks must be fully covered and barricaded so as to prevent persons working there from falling off.

Scaffold erectors must attach a fall prevention harness at all times; the double lanyards must be fitted with scaffold hooks only

Where a Principal Contractor is using access trestles must be in compliance with General Safety Regulation 6

The provisions of Regulation 16 of the Construction Regulations shall be followed in every detail.

LADDERS

- Ladders shall be compliant to statutory requirements
- Ladders shall only be used for the purpose for which they are designed for.
- Ladders shall be inspected regularly and the record of the inspection shall be kept in the H&S File
- A-Frame ladders shall have a patent spreader bar system
- Ladders shall extend at least 900mm above any level or opening accessed with a ladder.
- No vertical ladders shall be accessed by any person unless firmly attached at the bottom or top or held in place by a fixed installation or buddy.

27. PUBLIC HEALTH AND SAFETY

The site shall at all times be secured to prevent the unauthorized access of persons to construction risk areas.

Appropriate health and safety signage shall be posted and access control to site must be exercised via a single access point.

All members entering the site must indicate in what capacity they are visiting the site.

The access point must be designed and constructed to allow for temporary parking, entry of construction vehicles, entry of personnel transport vehicles and entry of individual workers and other persons.

The principal Contractor shall ensure that each person visiting the site shall be inducted to the site and such abridged induction shall outline the hazards from on-site activities and the precautions to be observed to avoid or minimize those risks

Visitors must only enter when accompanied by a responsible person designated by the Principal Contractor.

28. CONSTRUCTION EMPLOYEES FACILITIES

The Principal Contractor shall provide at or within reasonable access of every construction site, the following clean, hygienic and maintained facilities:

- (a)* Shower facilities after consultation with the employees or employee's representatives, or at least one shower facility for every 15 persons;
- (b)* at least one sanitary facility for each sex and for every 30 workers;
- (c)* changing facilities for each sex; and
- (d)* sheltered eating areas.

The provisions of Regulation 2, 3, 4, 6, 7, 9 of the Facilities Regulations shall be followed in every detail.

29. STORAGE AND USE OF FLAMMABLE LIQUIDS

No flammable substances must be stored on site unless these are stored in a flammable store or cabinet approved by the Municipal Chief Fire Officer, no other materials shall be stored in the flammable store or cabinet

Where required the H&S Plan shall include a method statement detailing the safe use, storage, decanting and spill controls for all flammable liquids used and stored on site.

The provisions of Regulation 25 of the Construction Regulations shall be followed in every detail.

30. HAZARDOUS CHEMICAL SUBSTANCE

With respect to hazardous chemical substances used, the contractor shall ensure that:

- All MSDS are included in the H&S File
- A HCS risk assessment is included in the H&S Plan
- The safe use, storage, emergency procedures and safe disposal of hazardous substances are addressed in a method statement(s) included in the H&S Plan.
- Proof of competency and signed letters of appointment of the person responsible for chemical handling is included in the H&S File.

Any hazardous chemical substance intended to be applied on site during the project (i.e. after approval of the H&S Plan) shall be subject to an issue-based risk assessment and method statement which must be presented to the Client Agent prior to the substance being introduced on site.

The provisions of Regulation 3, 5, 7, 8, 9, 9A, 10, 11, 14, 15 of the Hazardous Chemical Substances Regulations shall be followed in every detail.

31. LIFTING OPERATIONS; CRANE

The Principal Contractor must ensure the cranes used are:

Are designed and erected under the supervision of a competent person;

A relevant risk assessment and method statement are developed and applied; The effects of wind forces on the crane are taken into consideration and that a wind speed device is fitted that provides the operator with an audible warning when the wind speed exceeds the design engineer's specification;

The bases for the tower cranes and tracks for rail-mounted tower cranes is firm, level and secured;

The tower crane operators are competent to carry out the work safely; and

The tower crane operators have a medical certificate of fitness to work in such an environment, issued by an occupational health practitioner in the form of Annexure

32. HOUSEKEEPING AND GENERAL SAFEGUARDING ON CONSTRUCTION SITE

The Principal Contractor shall appoint a person responsible for general housekeeping and stacking and storage of materials and equipment on the entire site.

The provisions of Regulation 27 of the Construction Regulations shall be followed in every detail.

33. CONSTRUCTION MEDICAL

A Principal Contractor must ensure that all his or her employees have a valid medical certificate of fitness specific to the construction work to be performed and issued by an Occupational Health Practitioner in the form of Annexure 3.

34. STACKING AND STORAGE ON CONSTRUCTION SITE

A Principal Contractor must, in addition to compliance with the provisions for the stacking of articles in the General Safety Regulations, 2003, ensure that—

A competent person is appointed in writing with the duty of supervising all stacking and storage on a construction site.

Adequate storage areas are provided; There are demarcated storage areas; and storage areas are kept neat and under control.

35.INDUCTION, TOOLBOX PROGRAMME AND SAFETY AWARENESS

The Principal Contractor shall ensure that all employees have gone through the induction training before commencing duties on site.

The Principal Contractor must ensure that all visitors to the construction undergo health and safety induction pertaining hazards prevalent on the site and ensure that visitors have appropriate PPE. The Principal Contractor must at all time on his or her construction site keep records of health and safety induction training

No contractor may allow or permit any employee or person to enter any site, unless that

employees or person has undergone health and safety induction training pertaining to the

hazards prevalent on the site at the time of entry.

A contractor must ensure that all visitors to a construction site undergo health and safety

induction pertaining to the hazards prevalent on the site and must ensure that such visitors have the necessary personal protective equipment.

A contractor must at all times keep on his or her construction site records of the health and safety induction training contemplated in CR 7 sub regulation (6) and such records must be made available on request to an inspector, the client, the client's agent or the principal contractor;

The Principal Contractor must ensure that the toolbox talks are conducted on weekly basis and the training records kept on the safety file

36. DESIGN RISK MANAGEMENT

Based on the recent design changes, as well as change in the scope of works, the PC will be required to ensure a resubmission of an amended H&S Plan for approval. Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within five (5) working days following notification thereof.

The PC must ensure that they have the latest designs on file i.e. Drawings, Loadings, Specifications. The PC must further ensure that a competent temporary works designer is appointed to inspect and approve the temporary works.

Design – in relation to any structure, includes drawings, calculations, design detail and specifications'

Temporary works must be properly designed and signed off by a competent person who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The competent person/(s) appointed must either be a registered professional engineer or technologist. The appropriate competent person is to be appointed to manage and monitor such works to the satisfaction of the engineer and the H&S Agent. Records and registers are to be kept properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Engineer / H&S Agent.

As per the Government Gazette, 2 June 2017, no. 40883, guidelines, Regulation 12 (1) is three functions competent person(s) appointment. The temporary works designer could be one person or different persons to design, inspect and or approve [read with Regulation 6 (g); (h) and (i). Temporary works designer(s) must be mandated by the Contractor to perform any or all the three functions. A risk bases methodology should be applied in respect of competencies for temporary works.

Failure to do so will be considered serious offence

37. ENVIRONMENTAL MANAGEMENT

A Project Environmental Management Plan (EMP) shall be developed which must be adhered to. The objective of the EMP is to manage the impacts of construction identified during the Environmental Impact Assessment (EIA) process, as well as during construction. This is document and will be continuously updated to reflect current site conditions and address any issues identified during construction. The EMP therefore serves as an action plan for the implementation of mitigation measures proposed for the construction work.

38. HEAT STRESS

Working in very hot conditions can cause illness when heat stress overcome the body's temperatures regulatory system resulting in heat strokes, heat exhaustion, dehydration, heat syncope, heat cramps and heat rash.

Considering the elevated temperatures experienced in the KwaZulu Natal region and the arid and drought like conditions, it is imperative that the PC develop a Heat Stress Management Plan in order to reduce the risk associated with heat stress

39. BULK MIXING PLANT

If batching occurs on site:

- The Principal Contractor must appoint a competent bulk mixing plant supervisor in writing
- A bulk mixing plant operator must be appointed and no other person(s) may operate the plant.
- The Principal Contractor must ensure that the machinery and plant comply with the legal requirements and is suitable for the application on the construction site
- The bulk mixing plants installation, maintenance and repair record document on site at all times
- The bulk mixing plant procedure is included in the H&S Plan and the relevant documents to be used are placed in the start-up H&S File.

The provisions of Regulation 20 of the Construction Regulations shall be followed in every detail.

40. COVID-19 PRECAUTIONS

COVID 19 HEALTH AND SAFETY SPECIFICATION

Background:

Corona viruses are a large family of viruses that are found both in humans and animals.

Some of these viruses are known to cause illnesses ranging from common cold to severe respiratory diseases. Corona virus (COVID-19) was identified in December 2019 in China. COVID-19 infections have spread to other countries in the world. Exposure to Covid-19 may cause flue like symptoms such as coughing, sneezing, headaches, fever, sore throat and at times affect the lungs and airways of employees. Symptoms can be mild, moderate, severe or fatal.

Coronavirus Disease 2019 (COVID-19) is a respiratory disease caused by the SARS-CoV-2 virus. To reduce the impact of COVID-19 outbreak conditions on businesses, workers, customers, and the public, it is important for all employers to plan now for COVID-19. For employers who have already planned for influenza outbreaks involving many staff members, planning for COVID-19 may involve updating plans to address the specific sources of exposure, routes of transmission, and other unique characteristics of SARS-CoV-2 (i.e. compared to influenza virus outbreaks).

Introduction

The legislation governing workplaces in relation to COVID-19 is the Occupational Health and Safety Act, Act 85 of 1993, as amended, read with the Hazardous Biological Agents Regulations. Section 8 (1) of the Occupational Health and Safety (OHS) Act, Act 85 of 1993, as amended, requires the employer to provide and maintain as far as is reasonably practicable a working environment that is safe and without risks to the health of employees. Specifically, section 8(2)(b) requires steps such as may be reasonably practicable to eliminate or mitigate any hazard or potential hazard before resorting to Personal Protective Equipment (PPE).

However, in the case of COVID-19, a combination of controls is required, although the main principle is to follow the hierarchy of controls.

While engineering and administrative controls are considered more effective in minimizing exposure to SARS-cov-2, PPE may also be needed to prevent certain exposures. While correctly using PPE can help prevent some exposures, it should not take the place of other prevention strategies

This is a risk assessment for dealing with the current COVID-19 situation in the construction site. It may not likely to cover all scenarios therefore Construction Management should develop Standard Operating Procedures as there may be unique circumstances and make a necessary call in the interest of the health and safety of employees

This is a risk assessment for dealing with the current COVID-19 situation in the construction site. It may not likely to cover all scenarios therefore management should develop SOP's as there may be unique circumstances and make a necessary call in the interest of the health and safety of Contractor employees

Definitions

“BCEA” means the Basic Conditions of Employment Act, 1997 (Act No.75 of 1997)

“COVID-19” means Coronavirus Disease 2019

“Disaster Management Act” means the Disaster Management Act, 2002 (Act No.57 of 2002)

“OHSA” means the Occupational Health and Safety Act, 1993 (Act No.85 of 1993)

“PPE” means personal protective equipment

“virus” means SARS-Cov-2 virus

“Worker” means any person who works in an employer's workplace including an employee of the employer or contractor, a self-employed person or volunteer

“workplace” means any premises or place where a person performs work

“NICD” means National Institute for Communicable Diseases

“OMP” means Occupational Medical Practitioner

COVID 19 Risk Assessment:

- The Contractor must ensure that COVID 19 Risk Assessment (COVID 19 Health and Safety Plan) is conducted and submitted to the Client prior to the commencement of the construction work, it must be in line with the Client COVID 19 Health and Safety Specification.
- The Contractor must appoint COVID 19 Compliance Manager to ensure that all necessary COVID 19 safety precautions are implemented to prevent the spread.

Training and awareness:

- The Contractor must ensure that all employees are inducted on COVID19 contractor risk assessment to prevent the spread.
- The Contractor must ensure that the employees are trained on COVID 19 to prevent the spread of the virus, training records must be kept in the Safety File.
- COVID-19 Direction on Health and Safety in the Workplace Government Gazette dated 29 April 2020, must be used as guideline and be customized to specific construction site.
- The Contractor must provide workers with information that raises awareness in any form or manner, including where reasonably practicable leaflets and notices placed in conspicuous places in the workplace informing workers of the dangers of the virus, the manner of its transmission, the measures to prevent transmission such as personal hygiene, social distancing, use of cloth masks, cough etiquette and where to go for screening or testing if presenting with symptoms .

Hand Hygiene:

- The Contractor must provide adequate facilities for the washing of hands with soap and clean water on each construction site.
- The Contractor must provide 70% alcohol-based hand sanitizers at strategic points of the construction site.
- The Contractor must provide paper towels to dry hands after hand washing.

Cleaning and Disinfecting surfaces:

- The Contractor must take measures to ensure that all work surfaces and equipment are disinfected before work begins, regularly during the working period and upon completion of the work.
- The Contractor must ensure frequent cleaning and disinfecting of objects and surfaces that are touched regularly, particularly in areas of high use such as shared tools, taps, ablution facilities, handrails, light switches, eating and changeroom areas, shared construction vehicles, etc. using appropriate disinfecting solutions such as clean water, soap and bleach.

Social Distancing:

- The Contractor must arrange the construction site to ensure minimal contact between workers and as far as practicable that there is a minimum of 1.5 meter distance between workers while they are working. Employees are aware to maintain social distance when working.
- The Contractor must ensure that social distancing measures are implemented through supervision of both the construction site and in the common areas outside the workplace, through queue control or within the workplace, these measures may include dividing the workers into groups or staggering break times to avoid the concentration of workers in common areas.
- The Contractor must ensure that where the minimum distance is impossible, employees must always be instructed to wear a cloth mask/FFP1/2 mask or reducing the number of workers present in the construction site at any time to achieve the required social distancing.
- The Contractor must ensure that employees working in offices are provided with physical barriers placed between their workstations.

Personal Protective Equipment (PPE)

- The Contractor must ensure that every worker is provided with two cloth masks to be worn when in workplace or public which comply with the requirement set out in the guideline issued by Department of Trade, Industry and Competition.
- The main benefit of everyone wearing a cloth mask is to reduce the amount of virus droplets being coughed up by those with infection and transmitted to others and to surface that others may touch.
- Every Contractor must ensure that workers are informed, instructed, trained and informed as to the correct use of cloth mask.
- The Contractor must ensure to issue face shield/visors where applicable as double protection

Point of entry screening.

- The Contractor must identify the screening area for each construction site.
- The Contractor must ensure that the daily point of entry screening is conducted when entering construction site by a person nominated by the Contractor.
- The Contractor must ensure that all employees and visitors are screened and only those with all clear will be given clearance to carry on with construction work.
- The Contractor must ensure that during the screening a 1.5 m distance is maintained and FFP1/2 mask to be worn by a nominated person.
- The Contractor must ensure that the screening person is trained.
- The Contractor must ensure that a bottle of sanitiser is available at the screening area.
- The Contractor must ensure that the thermal device are provided during the screening process.
- The Contractor must ensure that all employees complete a COVID 19 Questionnaire which will be used to screen potential risk personnel entering the construction site.

Symptomatic employees

- The Contractor must ensure that any person who ticks YES to one or more symptoms will be sent home and be advised to seek testing by a healthcare provider.

- The Contractor must ensure that employees who are sick with continuous cough, sore throat, difficulty breathing, or a high temperature in the workplace will be encouraged to stay home.
- The Contractor must ensure that the positive tested COVID 19 case, the employee is on paid sick leave in terms of section 22 of BCEA or if the employee's sick leave is exhausted, the Contractor shall apply for an illness benefit.
- The Contractor must ensure that employees confirmed to have COVID 19 will be managed in line with National Department of Health COVID 19 guidelines.
- The Contractor must isolate the worker with confirmed COVID case and issued him/her with FFP2 or surgical mask, arrange for the worker to be transported for further medical examination or testing, in a manner that does not place other workers or members of the public at risk
- The Contractor must ensure that the driver who is transporting the Person Under Investigation is provided with surgical mask or FFP2 mask.
- The Contractor must assess the risk of transmission, disinfect the work area and refer those workers who may be at risk for screening to prevent possible transmission.
- The Contractor must advise the Communicable Disease Centre (CDC) so that other contacts be identified and be investigated
- The Contractor must ensure that tested positive for COVID 19 is not discriminated in terms of Employment Equity Act no. 55 of 1998.
- The Contractor must ensure that if there is evidence that the worker contracted COVID 19 as a result of occupational exposure, lodge a claim for compensation in terms of the Compensation for Occupational Injuries and Diseases Act no. 130 of 1993.
- The Contractor must ensure that if a worker has been diagnosed with COVID 19 and isolated in accordance with the National Department of Health Guidelines, a Contractor may only allow a worker to return to work on the following conditions, the worker has undergone a medical evaluation confirming that the worker has been tested negative for COVID 19.

Emergency Numbers

- Corona virus (COVID-19) 24-Hour Hotline number: 0800 029 999
- Corona virus (COVID-19) WhatsApp Number: 0600 12 3456
- COVID-19 National Crisis Helpline - 0861 322 322
- NICD (National Institute of Communicable Diseases) 24-Hour toll-free hotline number:
0800 029 999 or 0800 111 132
- SAPS gender-based violence service complaints (SAPS) - 0800 333 177

- GBV (Gender Based Violence) Command Centre -0800 428 428/ *120*7867# (free from any cell phone)/ SMS Line: 32312
- Women Abuse Helpline - 0800 150 150
- People Opposing Women Abuse (POWA) - Tel: 011 642 4345/ Afterhours cellphone: 0837651235
- Child Line - 0800 055 555
- Lifeline South Africa - 0800 012 322 (free on mobile networks including landlines)
- FAMSA - Advice on family relationships - 011 975 7107
- Human trafficking - Report cases of human trafficking - hotline operated by the Salvation Army and Be Heard - 08007 37283 (0 8000-rescue)
- National Human Trafficking Helpline - 0800 222 777
- Persons with Disabilities - SMS 'help' to 31531
- National AIDS Helpline - 0800 012 322
- Suicide Helpline - 0800 567 567
- Stop Gender Violence - Anonymous, confidential and accessible telephonic information, counselling and referrals, in all 11 official languages - 0800 150 15
- Substance Abuse Helpline - 0800 12 13 14

Recommended Best Practice

- The Contractor must ensure that vulnerable and 60 years old workers are identified and received a special measure for their protection.
- The Contractor must ensure that for communication strategy Microsoft Team, ZOOM or Skype or cell phones are used to prevent the spread of COVID 19 virus.
- The Contractor must ensure to keep the workplace well ventilated by natural or mechanical means to reduce the SARS – CoV – 2 viral loads.

References

- COVID-19 Disaster Management Act
- Occupational Health & Safety Act 85 of 1993
- The Department of Employment and Labour: Workplace Preparedness: COVID-19 (SARS-CoV-19 virus)
- COVID-19 Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020

- Hazardous Biological Agents Regulations
- National Institute for Occupational Health (NIOH)

N.B. Please be aware that we are waiting for COVID 19 Construction Health and Safety Guideline issued by Department of Labour, therefore they might be changes on this SPECIFICATION.

COMPANY LOGO

Covid-19 access into construction site, point of entry screening questionnaire

Company / Construction Site: _____

Name and Surname: _____ Co No: _____

Line Manager Name: _____

Question:	Yes	No
1. Have you had flu or symptoms of flu in the last few weeks?		
2. Do you have a persistent cough that has started in the last few days?		
3. Do you have symptoms of fever? (red, tearing or burning eyes, sweats, clammy hands)?		
4. Do you have any signs of a respiratory infection, shortness of breath, difficulty breathing? (<i>Self-test: Hold in your breath for 10 seconds</i>)		
5. In the last 14 to 21 days, have you travelled outside the borders of South Africa?		
6. In the last 14 to 21 days, have had contact with anybody that has travelled outside the Provincial or South African borders?		
7. Have you been near or in contact with anyone who has symptoms or tested positive for COVID-19?		
<p>If you have answered yes to any of the above questions, please inform your supervisor immediately.</p> <p>Brief description of events (When, where and who else were you with:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		
Personal Commitment		

✓ I further undertake to immediately report any change in my medical condition to my supervisor/manager!	
✓ I will always maintain excellent personal and company hygiene standards!	
✓ I will maintain and keep the minimum social distance of 1m between myself and other employees!	
✓ I will utilize PPE and sanitizers provided to me to prevent the spread of the virus!	
✓ I will ensure all equipment / materials handed over to another person has been cleaned and sanitized!	
✓ I will not abuse, misuse, share or lose the PPE and related materials / equipment issued to me!	
Employee Signature	
Date	

Temperature: _____ °C. (if temperature is at 38°C or higher refer to Process Flow Annexure 1 document then deny entry, isolate and start reporting process)

Entry Cleared ☐ Yes ☐ No

Construction Manager/Supervisor: _____ Signature: _____ Date: _____

Comments: _____

