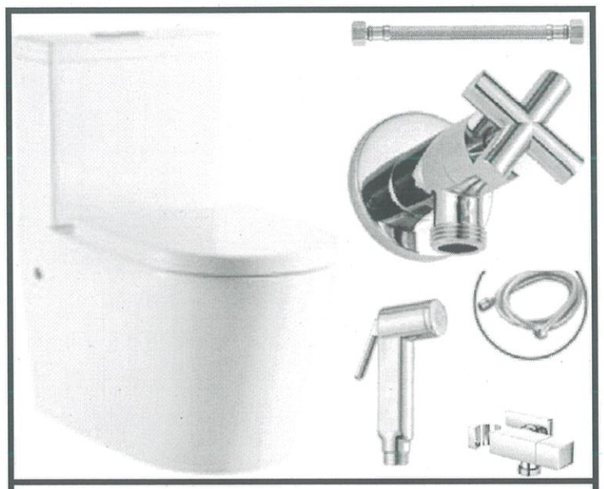
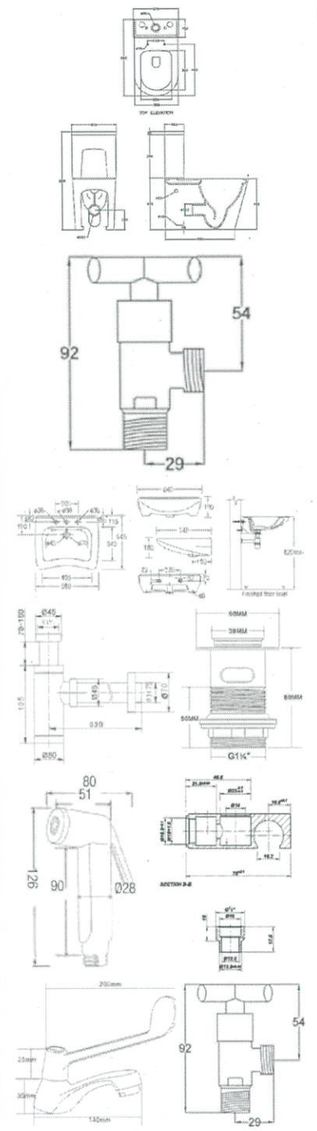
SCHEDULE of SANITARY WARES & FITTINGS

LOCATION	ITEM	DESCRIPTION	PICTURE	TECHNICAL DRAWING
DISABLED TOILET SECTION A LEVEL 2	WATER CLOSET, HANDICAP BASIN, LEVER BASIN TAP, HAND BIDET	• OT- JOHNSON SUISSE - VENEZIA-N HANDICAPPED DUAL OUTLET WC SET (RIMLESS) ROUGH-IN : BO S TRAP 250 MM • FINISHING : WHITE • OT-JOHNSON SUISSE - VENEZIA-N HANDICAP DUAL OUTLET RIMLESS WC C/W FIXING SET • OT-JOHNSON SUISSE - VENEZIA-N HANDICAP CISTERN C/W LID • OT-JOHNSON SUISSE - VENEZIA-N HANDICAP 4.5/3L FITTINGS • OT-JOHNSON SUISSE - HANDICAP SEAT WITH LATERAL STABILISERS • OT-JOHNSON SUISSE - BENT OUTLET CONNECTOR S TRAP 250 MM • OT-STAINLESS STEEL BRAIDED FLEXIBLE HOSE - ½" F+F HEX NUTS x 12" • OT-BRASS CROSS HANDLE ANGLE VALVE WITH QUARTER-TURN CERAMIC CARTRIDGE • OT-JOHNSON SUISSE - HANDICAP BASIN COMPRISING BELOW SET; SIZE : L580 x W545 x H190 MM • OT-JOHNSON SUISSE - HANDICAP BASIN 3 SEMI-PUNCHED TH • OT-JOHNSON SUISSE - 2 NOS. FIXING BOLTS-WST 10 X 140 • OT-JOHNSON SUISSE - 1 NO. S/STEEL SAFETY BRACKET • OT-BRASS CHROMED 1¼" BOTTLE TRAP WITH 300MM OVERFLOW PIPE • OT-STAINLESS STEEL POLISHED POP UP WASTE WITH OVERFLOW - Ø60 x G1-1/4" x H85 MM • OT-LONG LEVER BASIN COLD TAP C/W CHECK VALVE 58.9086.10000 • FINISHING : CHROME • SIZE : L200 X H70 MM • OT-STAINLESS STEEL BRAIDED FLEXIBLE HOSE - ½" F+F HEX NUTS x 12" • OT-BRASS CROSS HANDLE ANGLE VALVE WITH QUARTER-TURN CERAMIC CARTRIDGE • OT-ABS HAND SPRAY BIDET SET C/W HOLDER AND 1.2M STAINLESS STEEL FLEXIBLE HOSE RECOMMENDED WORKING PRESSURE: 1.5-2.0 BAR (MAX) • OT-BRASS CHROMED ANGLE VALVE WITH BIDET HOLDER & FLANGE - KNOB HANDLE OR EQUIVALENT TO ARCH'S APPROVAL	 	

TENDER DRAWING

Peringatan:
HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN. KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI TAPAK BINA. SEBARANG PERCANGGAHAN MESTI DILAPORKAN DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM KERJA-KERJA DIMULAKAN.

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

200-PPII(BP.5/3/158)-ARC

TAJUK LUKISAN:
• **SCHEDULE of SANITARY FITTINGS**

2024 | 31 DIS.

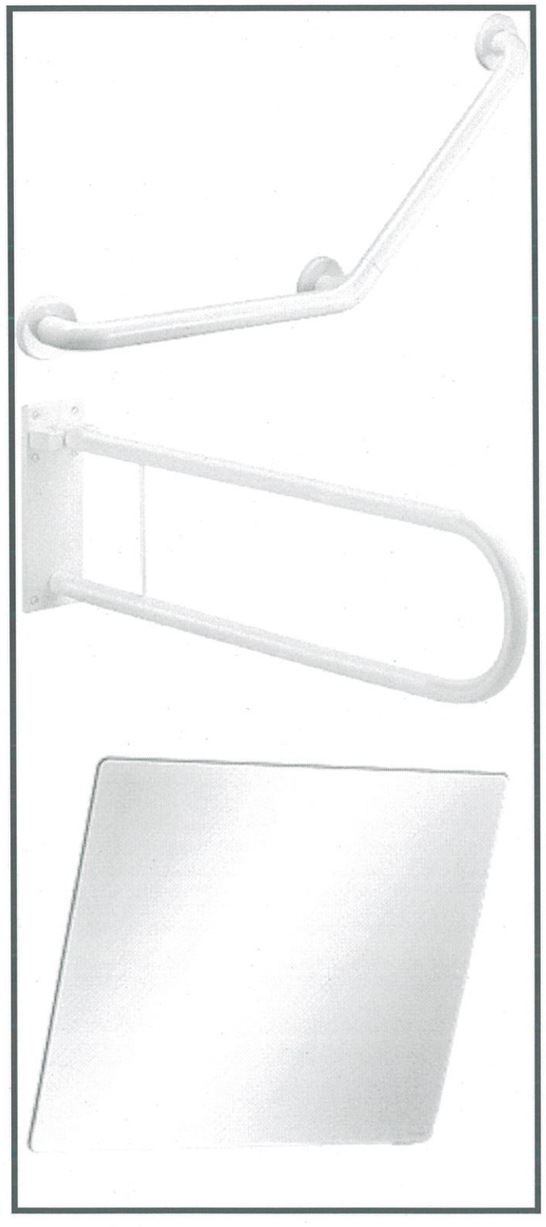
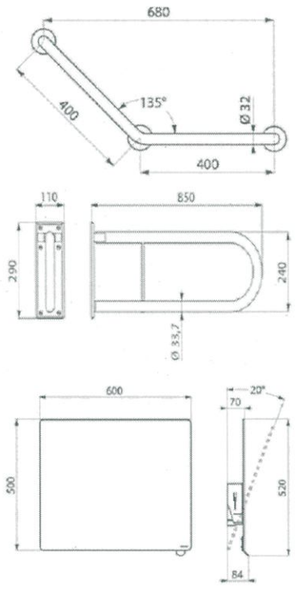
SKALA: **N.T.S**

NAIB CANSELOR	:	PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	:	PROF. Ts. Sr Dr. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI	:	IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA:		MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	:	ZAHIRUDDIN JAIDIR
DILUKIS OLEH	:	HAZARUL
PENGURUS PROJEK / DISEMAK	:	Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN

NO HELAIAN: **51**

SCHEDULE of SANITARY WARES & FITTINGS

LOCATION	ITEM	DESCRIPTION	PICTURE	TECHNICAL DRAWING
DISABLED TOILET SECTION A LEVEL 2	ANGLED GRAB BAR, GRAB BAR, MIRROR	• OT-DELABIE - HIGH STRENGTH POLYAMIDE (NYLON) ANGLED GRAB BAR 135° CENTER TO CENTER: L680 X Ø32 MM • OT-DELABIE - DROP-DOWN GRAB BAR • SIZE : 850 X 290 X 110 MM • TUBE THICKNESS: 2 MM • OT-DELABIE - ADJUSTABLE MIRROR WITH TAP HANDLE • FINISHING : WHITE • SIZE : L600 x W70 x H500 MM OR EQUIVALENT TO ARCH'S APPROVAL		

SPECIFICATION

TENDER DRAWING

Peringatan:
HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN. KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI TAPAK BINA. SEBARANG PERCANGGAHAN MESTI DILAPORKAN DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM KERJA-KERJA DIMULAKAN.

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

200-PPII(BP.5/3/158)-ARC

TAJUK LUKISAN:
• **SCHEDULE of SANITARY FITTINGS**

20 24 | 31 DIS.

SKALA: **N.T.S**

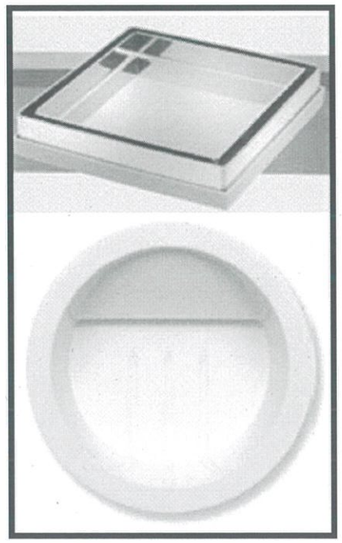
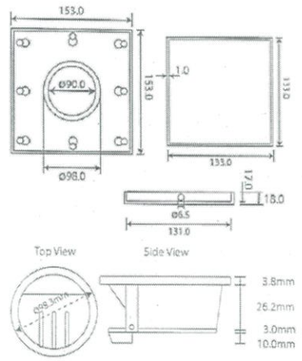
NAIB CANSELOR	:	PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	:	PROF. Ts. Sr Dr. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI	:	IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA:		MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	:	ZAHIRUDDIN JAIDIR
DILUKIS OLEH	:	HAZARUL
PENGURUS PROJEK / DISEMAK	:	Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN

NO HELAIAN: **52**

SPECIFICATION

SCHEDULE of SANITARY WARES & FITTINGS

LOCATION	ITEM	DESCRIPTION	PICTURE	TECHNICAL DRAWING
PUBLIC TOILET SECTION A LEVEL 2 (MALE & FEMALE), DISABLED TOILET SECTION A LEVEL 2, STAFF TOILET SECTION C LEVEL 3 & 4 (MALE & FEMALE)	STAINLESS STEEL TRAY,	• OT-STAINLESS STEEL TRAY WITH ABS HOLDER MODERN FLOOR GRATING WITH FRAME, TRAY & ABS HOLDER FOR TILES • SIZE : 153 X 153 MM • OT-ANTI COCKROACH FILTER WITH AUTO FLAP • OR EQUIVALENT TO ARCH'S APPROVAL		

TENDER DRAWING

Peringatan:
HANYA DIMENSI BERANGKA SAHAJA DILAKSANAKAN. KONTRAKTOR MESTI MEMERIKSA SEMUA DIMENSI SEBENAR DI TAPAK BINA. SEBARANG PERCANGGAHAN MESTI DILAPORKAN DENGAN SEGERA KEPADA PEGAWAI PENGUASA SEBELUM KERJA-KERJA DIMULAKAN.

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

200-PPII(BP.5/3/158)-ARC

TAJUK LUKISAN:
• **SCHEDULE of SANITARY FITTINGS**

20 24 | 31 DIS.

SKALA: **N.T.S**

NAIB CANSELOR	:	PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	:	PROF. Ts. Sr Dr. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI	:	IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA:		MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	:	ZAHIRUDDIN JAIDIR
DILUKIS OLEH	:	HAZARUL
PENGURUS PROJEK / DISEMAK	:	Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN

NO HELAIAN: **53**

METHOD OF STATEMENT FOR EXISTING FLOORING AND TILES DEMOLITION

1. PURPOSE

a. This method statement outlines the procedures for floor leveling and tile installation to ensure that the work complies with Malaysian standards and regulations, ensuring a smooth, stable, and properly finished floor suitable for the intended use.

2. SCOPE OF WORK FOR DEMOLITION

a. Demolition of Existing Floor :

i. The scope involves the demolition of existing concrete flooring, removal of all debris, and preparation of the subfloor for the installation of new tiles. The demolition should be conducted systematically and carefully to avoid structural damage to the existing building.

b. Environmental Considerations:

ii. The demolished material should be properly removed and disposed of in compliance with local waste disposal and environmental regulations.

3. PREPARATION BEFORE DEMOLITION

a. Clearance of Area :

i. Ensure the area is cleared of furniture, fixtures, or equipment to avoid damage.

b. Safety Precautions :

i. Adequate safety measures must be in place, including the use of personal protective equipment (PPE), signage, and barriers to protect workers and building occupants.

c. Building Protection :

i. Protect surrounding surfaces (walls, adjacent floors, doors, windows, etc.) using sheeting, plywood, or other suitable protection.

4. Demolition Process

a. Cutting and Breaking :

i. Existing concrete floors should be cut and broken using mechanical tools, such as jackhammers or concrete saws, to break the flooring into manageable pieces.

b. Removal of Tiles and Adhesives :

i. Carefully remove existing tiles, adhesive, and mortar residue. Special care should be taken to avoid damaging the underlying concrete slab.

c. Waste Disposal :

i. Demolition waste should be sorted and disposed of according to environmental guidelines and local regulations. This may include concrete, adhesives, tiles, and other materials.

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

NO. RUJUKAN PROJEK: 200-PPII(BP.5/3/158)-ARC	TARIKH: 20 31 24 DIS.	NAIB CANSELOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN	INDEKS PINDAAN
TAJUK LUKISAN: **METHOD OF STATEMENT FOR EXISTING FLOORING AND TILES DEMOLITION**	SKALA: **N.T.S**	TIMBALAN NAIB CANSELOR : PROF. Ts. Sr Dr. MD YUSOF HAMID PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI : IR. TS. AZMAN SAUBIRAN KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK ARKITEK : ZAHIRUDDIN JAIDIR DILUKIS OLEH : HAZARUL PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN	NO HELAIAN: **54**

2. Subfloor Inspection and Preparation

a. Inspection of Concrete Subfloor :

i. After the demolition, inspect the concrete slab for any structural damage such as cracks, holes, or uneven surfaces.

b. Repair Work:

i. Any defects in the concrete subfloor should be repaired, typically by patching with a suitable cementitious repair material.

c. Moisture Testing:

i. Check the moisture content of the concrete slab to ensure that it meets the required standards (e.g., RH <75% in the UK or <2% using the CCM method in Malaysia).

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

NO. RUJUKAN PROJEK: 200-PPII(BP.5/3/158)-ARC	TARIKH: 20 24 | 31 DIS.	NAIB CANSELOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN	INDEKS PINDAAN
		TIMBALAN NAIB CANSELOR : PROF. Ts. Sr Dr. MD YUSOF HAMID	
		PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURII : IR. TS. AZMAN SAUBIRAN	
		KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK	
TAJUK LUKISAN: **METHOD OF STATEMENT FOR EXISTING FLOORING AND TILES DEMOLITION**	SKALA: **N.T.S**	ARKITEK : ZAHIRUDDIN JAIDIR	
		DILUKIS OLEH : HAZARUL	NO HELAIAN: **55**
		PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN	

METHOD OF STATEMENT FOR NEW TILES INSTALLATION

1. Scope of Work for New Tile Installation

a. The installation of new tiles (ceramic, porcelain, or homogenous) must be performed according to the JKR specifications for flooring, including the appropriate substrate preparation, adhesive application, tile placement, and finishing.

2. Preparation of Subfloor

a. Cleaning :

   i. The concrete surface must be thoroughly cleaned to remove all debris, dust, oil, grease, or remnants of previous adhesives.

b. Surface Levelling :

   i. If necessary, level the surface with a suitable floor leveling compound (e.g., cementitious screed) to ensure a flat and even surface. Any imperfections in the concrete that exceed the allowable tolerance must be rectified.

c. Screeding:

   i. Apply a cement-based screed or leveling compound as required. The screed should be applied evenly, and the surface must be smoothed to ensure proper bonding of the new tiles.

d. Moisture Control :

   i. If required, apply a moisture barrier (damp-proof membrane or equivalent) to prevent moisture from migrating into the new floor tiles.

3. Selection of Materials

a. Tiles :

   i. The tiles to be installed must meet the required **Malaysian Standard (MS)** for floor finishes (such as **MS 1064** for ceramic tiles) and be approved by the architect or as stated on the **architectural drawings** and specifications.

b. Tile Type :

   i. Specify the type of tiles to be used, whether ceramic, porcelain, or homogenous

c. Tile Size :

   i. Indicate the tile dimensions (e.g., 300mm x 300mm, 600mm x 600mm).

d. Tile Finish :

   i. The finish type (matte, glossy, textured, etc.) and any slip-resistance requirements (e.g., for wet areas) should be detailed.

e. Adhesive :

   i. The adhesive to be used should be specifically recommended for the type of tile being installed. This may include **thin-set mortar**, **latex-modified mortar**, or other adhesives conforming to JKR and **MS 19** standards.

f. Adhesive Application :

   i. The adhesive should be applied using the appropriate notched trowel (according to the adhesive manufacturer's instructions).

PROJEK: **CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN**	UNIVERSITI TEKNOLOGI MARA	NO. RUJUKAN PROJEK: 200-PPII(BP.5/3/158)-ARC TAJUK LUKISAN: **METHOD OF STATEMENT FOR NEW TILES INSTALLATION**	TARIKH: **20 24 | 31 DIS.** SKALA: **N.T.S**

NAIB CANSELOR	:	PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	:	PROF. Ts. Sr Dr. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI	:	IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	:	MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	:	ZAHIRUDDIN JAIDIR
DILUKIS OLEH	:	HAZARUL
PENGURUS PROJEK / DISEMAK	:	Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN

NO HELAIAN: **56**

g. Grout:

i. The type of grout (cement-based or epoxy) should be chosen based on the tile type and the application area. For instance, epoxy grout may be used in wet or high-traffic areas.

4. Tile Installation Process

a. Layout :

i. Start from the center of the room and lay the tiles out symmetrically to ensure the tile cuts along walls are as uniform as possible.

ii. Ensure tiles are placed with consistent grout joints (typically 1.5mm to 3mm).

iii. Ensure tiles are aligned using spacers and checked regularly for level with a spirit level or laser.

b. Adhesive Application :

i. Apply adhesive to the subfloor using a notched trowel to achieve an even coat.

ii. Lay tiles immediately after applying the adhesive, pressing them down firmly to ensure proper bonding.

iii. For large-format tiles, back-buttering (applying adhesive to the back of the tile)may be required to ensure full coverage.

c. Grouting :

i. Allow the adhesive to set for the specified time before grouting (usually 24-48 hours).

ii. Apply grout into the joints using a rubber float, ensuring the joints are fully filled.

iii. Wipe excess grout off the tiles with a damp sponge, being careful not to disturb the grout lines.

iii. Allow the grout to cure fully before cleaning or using the floor.

d. Finishing Details

i. Edge Trims and Corner Protection:

- Use tile trims, such as bullnose, L-shaped corner trims, or metal edging for external corners and floor-to-wall transitions.

ii. Cleaning:

- Clean the tiles thoroughly after installation to remove any grout haze or adhesive residue.

5. QUALITY CONTROL AND TOLERANCE REQUIREMENTS

a. Floor Level Tolerances

i. Flatness and Level : The final floor surface must be level and free of defects such as significant dips or rises. The tolerances for floor level are usually ±3mm over a 2-meter span.

b. Inspection of Installed Tiles

i. Alignment and Joint Spacing : Inspect the tile layout to ensure uniformity in tile alignment and spacing.

ii. Tile Surface Quality : Ensure no visible defects such as cracks, chips, or inconsistencies in tile finishes.

c. Expansion Joints

i. For large installations or areas subject to temperature fluctuations, ensure expansion joints are incorporated into the design. These joints help to accommodate thermal movement and prevent cracking.

6. FINAL INSPECTION AND HANDOVER

a. Final Inspection :

i. Once installation is complete, a thorough inspection must be carried out to ensure that the installation meets the JKR specifications for floor finishes, including alignment, level, tile adhesion, and finish quality.

b. Handing Over :

i. Ensure that the floor is free from any damage and that the surface is safe for use. Provide any necessary maintenance instructions for the newly installed floor.

7. RELEVANT MALAYSIAN STANDARDS AND JKR REFERENCES :

a. **MS 1064**: Specifications for Ceramic Tiles (for tile installation).

b. **MS 19**: Cement-Based Adhesives, Mortars, and Screeds.

c. **SPS 6** (JKR Specification): Floor Finishes and their Installation.

d. **Building Materials (e.g., tiles, adhesives)**: As per local standards (MS 1064, MS 19, etc.).

e. **Uniform Building By-Laws (UBBL)**: Applicable for compliance with structural and safety regulations in building construction.

METHOD OF STATEMENT FOR EXTERNAL PAINTING

1. GENERAL INSTRUCTION

a. All work shall conform to BS 6150; BS 1336, BS 245; MS 125: 1985 Enamel Paints; MS 134: 1989 – Emulsion Paints, Exterior; MS 903: 1987 – Emulsion Paints, Exterior; and approved manufacturer's specific recommendations.

b. RELATED WORK SPECIFIED ELSEWHERE

i. Unit Masonry
ii. Metals
iii. Woods and Plastic
iv. Doors and Windows
v. Gypsum Board
vi. Textured Coatings
vii. Mechanical
viii. Electrical

2. WORK INCLUDED

a. Provided all materials, labor and equipment required to complete the painting works, together with ancillary work herein described and implied to the full intent of the drawings and schedules.
b. Make thorough examination of drawings, details, and schedules, determine the intent, extent, materials, and types of surfaces, locations and be fully cognizant of requirements.
c. Examine the specifications and drawings for the work of other Section regarding the provisions for prime and finish coats. Paint or finish all materials installed throughout the project which are required to be painted, and which are left unfinished or unpainted by other Sections.
d. For areas indicated as unfinished in the Room Finish Schedules, painting is not required, except for doors and frames, railings, miscellaneous metal work, insulation on mechanical pipes and equipment, pipes and fittings, electrical mounting boards, and all gypsum board surface. In tenant areas, prime paint gypsum board only.
e. Provide finishes free of defects in materials and workmanship affecting appearance and performance. Defects shall include, but not be limited to improper cleaning and preparation of surface, entrapped dust, and dirt alligatoring, blisters, peeling, drips, runs, uneven coverage, misses, poor cutting in, improper use or application of materials.
f. All paints shall be factory tinted to required colors and thoroughly mixed before application.
g. Comply with toxic trace limitations stipulated by the authorities having jurisdiction.
h. Frame spread rating finishes shall conform to the local building code.

3. SUBMITTALS:

a. Color

Paint colors will be selected by the Architect Officer form approved manufacturer's full color range, including light and dark tones. Architect Officer will furnish Schedule showing where the various colors, and sheen of the finishes occur. The Architect Officer shall have complete freedom in choice of colors in compiling Color Schedule and will not necessarily select colors from standard color charts of approved manufacturer whose products have been approved for use.

b. Samples

Submit samples of various finishes to the Architect Officer at least thirty (30) days before materials are required. Submit samples in triplicate on 300mm x 300m material of the same type as that on which the coating is to be applied, where possible. Identify each sample as to job, finish, color name, number, sheen and gloss values, date, and name of contractor.

PROJEK: CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN	NO. RUJUKAN PROJEK: 200-PPII(BP.5/3/158)-ARC	TARIKH: 20 24 | 31 DIS.	INDEKS PINDAAN
	TAJUK LUKISAN: METHOD OF STATEMENT FOR EXTERNAL PAINTING	SKALA: N.T.S	NO HELAIAN: 59

NAIB CANSELOR	: PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
TIMBALAN NAIB CANSELOR	: PROF. Ts. Sr Dr. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI	: IR. TS. AZMAN SAUBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	: ZAHIRUDDIN JAIDIR
DILUKIS OLEH	: HAZARUL
PENGURUS PROJEK / DISEMAK	: Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

c. List of Materials

Submit name of paint manufacturer proposed for the work and complete list of materials intended for use on work prepared by paint manufacturer to the Architect Officer and P.R. at least sixty (60) day before materials area required. Indicate approved manufacturer's official certification that materials listed thereon is the top quality made by the company. Materials delivered to the work shall conform to the accepted list.

d. Mock up

The contractor is required to paint the area identified as a mock-up to finalize the selection of paint colors as directed by the architect officer.

4. DELIVERY, HANDLING AND STORAGE PROTECTION

a. Delivery material to site in sealed original containers with labels intact and store in space as directed. Keep stored materials covered at all times. The presence of any unauthorized materials or containers for such on the site shall be sufficient cause of rejection of all paint materials on the site at the time.
b. Exercise extreme caution in the storage of materials to prevent fire or create fire hazards. Thinners and solvents shall be stored in approved metal safety containers in accordance with governing fire and safety regulations.
c. In areas of storage, protect floor and wall surfaces from paint drips and splatters. Protect floors with sheets of clean plywood or metal panels where mixing and strictly enforce this requirement. Provide and maintain CO fire extinguishers of minimum 9kg capacity accessible in storage mixing areas.
d. Leave storage areas clean and free from evidence of occupancy when these are required for intended use.
e. Keep waste rags in metal drums containing water and remove from building at end of each working shift.

5. ENVIRONMENTAL CONDITIONS

a. All areas shall be clean and dust free before painting is commenced.
b. Use sufficient clean drop cloths and protective covering s for full protection of floors, furnishings and work not being painted. Protect mechanical, electrical and special equipment and all other soiling during painting process. Mask adjoining work adjacent to work being painted or carefully cut-in-Without overlaps. Clean surfaces soiled by spillage of paint and paint spatters. If cleaning operations damages the surface, repair or replace damage work without cost to the Employer.
c. On exterior work, do not paint during or immediately following rain.
d. Be responsible for damage to the work of this section until the building is complete and accepted by the Employer. In cases of damage, surfaces shall be cleaned and repainted to Architects satisfaction.
e. Leave areas clean and free from evidence of occupancy upon completion of painting.
f. Do not paint surfaces exposed to direct sun or where condensation has or will form due to the presence of high humidity and lack of proper ventilation.

6. MATERIALS

a. Paint and Finishing Materials: Undiluted, highest grade, first line quality of the approved manufacturer, correctly labeled, bearing the brand and maker's name, type of paint, color and code number.
b. Undercoater, Sealer and Primer: Made for the purpose by the approved manufacturer of finishing materials being used.
c. Primer: Drying time 4 hours maximum, high hiding pigments; sealer low odor, alkyd or latex to suit substrate.
d. Paint: Aikyd and vinyl Tape, low odor, quick drying, high hiding and low solvent content.
e. Shellac shall be pure white gum dissolved in pure grain alcohol.
f. Flame spread ratings of interior finishes shall conform to the Malaysian Building Code.
g. Brushes, Rollers and Application Equipment: The best of their respective kinds, clean and suitable for the work.

7. MIXING

a. Ensure that paint has not settled, caked or thickened in the container, is readily dispersed with a paddle to a smooth consistency and has excellent application properties.
b. Use all reducing and tinting materials as recommended by the approved manufacturer for the particular material reduced or tinted.
c. Mix materials thoroughly before application.

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN

UNIVERSITI TEKNOLOGI MARA

NO. RUJUKAN PROJEK: 200-PPII(BP.5/3/158)-ARC	TARIKH: 20 24 | 31 DIS.	NAIB CANSELOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN	INDEKS PINDAAN
TAJUK LUKISAN: METHOD OF STATEMENT FOR EXTERNAL PAINTING	SKALA: N.T.S	TIMBALAN NAIB CANSELOR : PROF. Ts. Sr Dr. MD YUSOF HAMID	
		PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTURI : IR. TS. AZMAN SAUBIRAN	
		KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK	
		ARKITEK : ZAHIRUDDIN JAIDIR	
		DILUKIS OLEH : HAZARUL	
		PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN	NO HELAIAN: 60