

Date: February 22, 2022

Title: Physical Security Upgrades to the Chancery in the Embassy of Canada to Senegal in Dakar

Solicitation: 22-209824

The following supplements and/or supersedes the solicitation document. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. Any change to the cost of the work as a result of this addendum is to be included in the price proposal.

Addendum # 3

1. At Annex "A" Statement of Work:

INSERT:

"Construction Drawings provided by JL Richards"

AE01 GROUND FLOOR PLAN

AE02 MEZZANINE FLOOR PLAN

AE03 ELEVATIONS & 3D VIEWS

AE04 SECTIONS, DETAILS, & ELEVATIONS (SHEET 1 OF 2)

AE05 SECTIONS, DETAILS, & ELEVATIONS (SHEET 2 OF 2)

AE06 SCHEDULES AE10 ARCHITECTURAL SPECIFICATIONS

AE11 STRUCTURAL SPECIFICATIONS

AE12 ELECTRICAL SPECIFICATIONS



Global Affairs Canada

LOBBY PHYSICAL SECURITY UPGRADES

CANADIAN CHANCERY: DAKAR, SENEGAL

JLR#: 28361-007

RE-ISSUED FOR CONSTRUCTION

ISSUE DATE: 08/02/22



DRAWING INDEX

AE01 GROUND FLOOR PLAN
AE02 MEZZANINE FLOOR PLAN
AE03 ELEVATIONS & 3D VIEWS

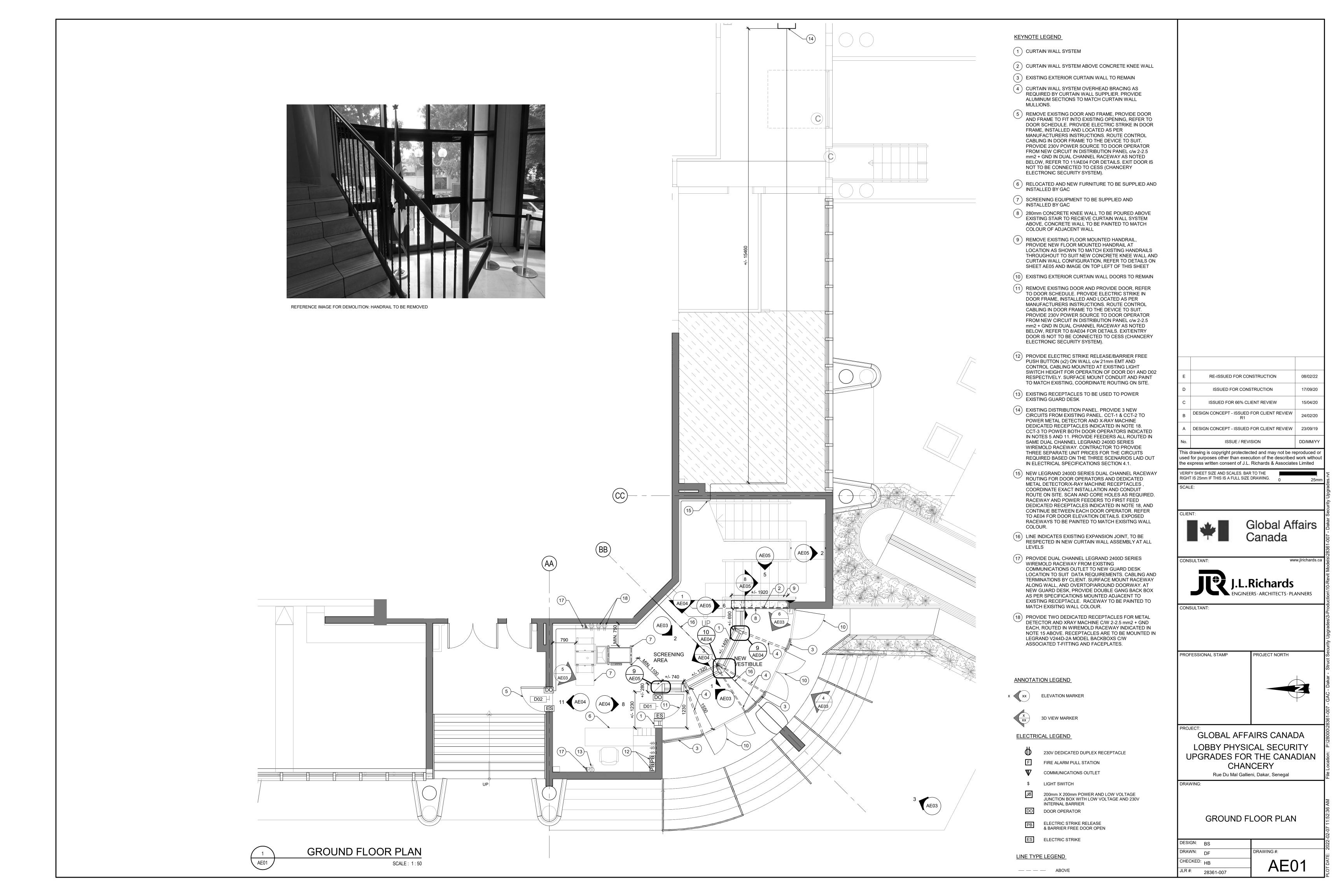
AE03 ELEVATIONS & 3D VIEWS
AE04 SECTIONS, DETAILS, & ELEVATIONS (SHEET 1 OF 2)
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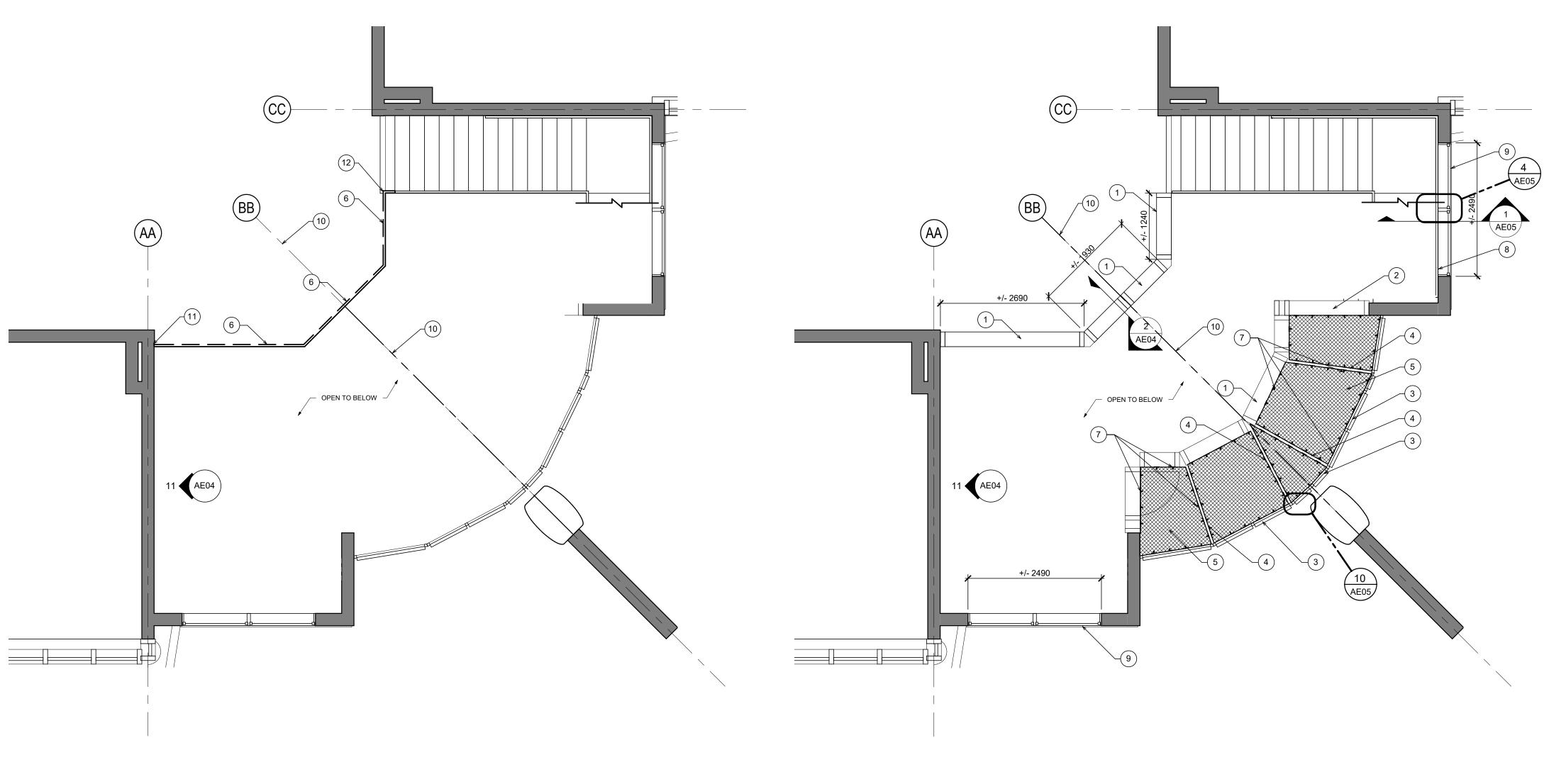
REFERENCE IMAGE FOR DEMOLITION: HANDRAIL TO BE REMOVED / CAP AT TOP OF STAIR

MEZZANINE LEVEL

DEMOLITION PLAN

SCALE: 1:50

AE02



AE02

MEZZANINE LEVEL FLOOR

PLAN

SCALE: 1:50

KEYNOTE LEGEND

(1) CURTAIN WALL SYSTEM

2 CURTAIN WALL SYSTEM ABOVE CONCRETE KNEE WALL

(3) EXISTING EXTERIOR CURTAIN WALL TO REMAIN

4 CURTAIN WALL SYSTEM OVERHEAD BRACING AS REQUIRED BY CURTAIN WALL SUPPLIER. PROVIDE ALUMINUM SECTIONS TO MATCH CURTAIN WALL

5 HATCH INDICATES AREA OF SECURIFOR 4D WELDMESH PANEL FENCING, REFER TO SPECIFICATIONS

6 EXISTING MEZZANINE GUARDRAIL TO BE REMOVED ALONG EDGE OF MEZZANINE, CONTRACTOR TO GRIND ANCHOR POSTS DOWN FLUSH WITH TOP OF CONCRETE

AND FILL WITH NON-SHRINK NON-METALLIC GROUT

ALUMINUM RAIL BRACKETS FASTENED TO SIDES OF HORIZONTAL BRACING, EXISTING EXTERIOR CURTAIN WALL, AND NEW CURTAIN WALL TO SUPPORT SECURIFOR 4D WELDMESH PANEL FENCING AS REQUIRED. RAIL BRACKETS AND WELDMESH TO BE SUPPLIED BY CURTAIN WALL MANUFACTURER

8 NEW GLAZING WITH STEEL FRAME WITHIN EXISTING SILL, SUPPLIED BY CURTAIN WALL MANUFACTURER

9 WINDOW FILM APPLIED TO INTERIOR SIDE OF EXISTING WINDOW GLAZING. REFER TO SPECIFICATIONS. ANCHOR FILM TO WINDOW FRAME WITH ANCHORING ADHESIVE AS PER MANUFACTURERS INSTRUCTIONS.

LINE INDICATES EXISTING EXPANSION JOINT, TO BE RESPECTED IN NEW CURTAIN WALL AT ALL LEVELS

AFTER REMOVAL OF GUARDRAIL, PATCH AND MAKE GOOD TO MATCH ADJACENT SURFACES

CONTRACTOR TO TERMINATE AND CAP EXISTING HANDRAIL, PROVIDE 38mm x 4.8mm TUBULAR PAINTED STEEL PIPE FLOOR MOUNT POST WITH BASE PLATE AT TERMINATION TO MATCH EXISTING HANDRAIL. PAINT TO MATCH EXISTING. TO BE IDENTICAL TO NEW HANDRAIL BEING INSTALLED WITHIN STAIRWELL, REFER TO DETAILS ON SHEET AE05, SPECIFICATIONS, AND REFERENCE IMAGE AT TOP LEFT OF THIS SHEET

E RE-ISSUED FOR CONSTRUCTION 08/02/22

D ISSUED FOR CONSTRUCTION 17/09/20

C ISSUED FOR 66% CLIENT REVIEW 15/04/20

B DESIGN CONCEPT - ISSUED FOR CLIENT REVIEW 24/02/20

No. ISSUE / REVISION DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

ient:

Global Affairs Canada

CONSULTANT:

J.L.Richards

ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

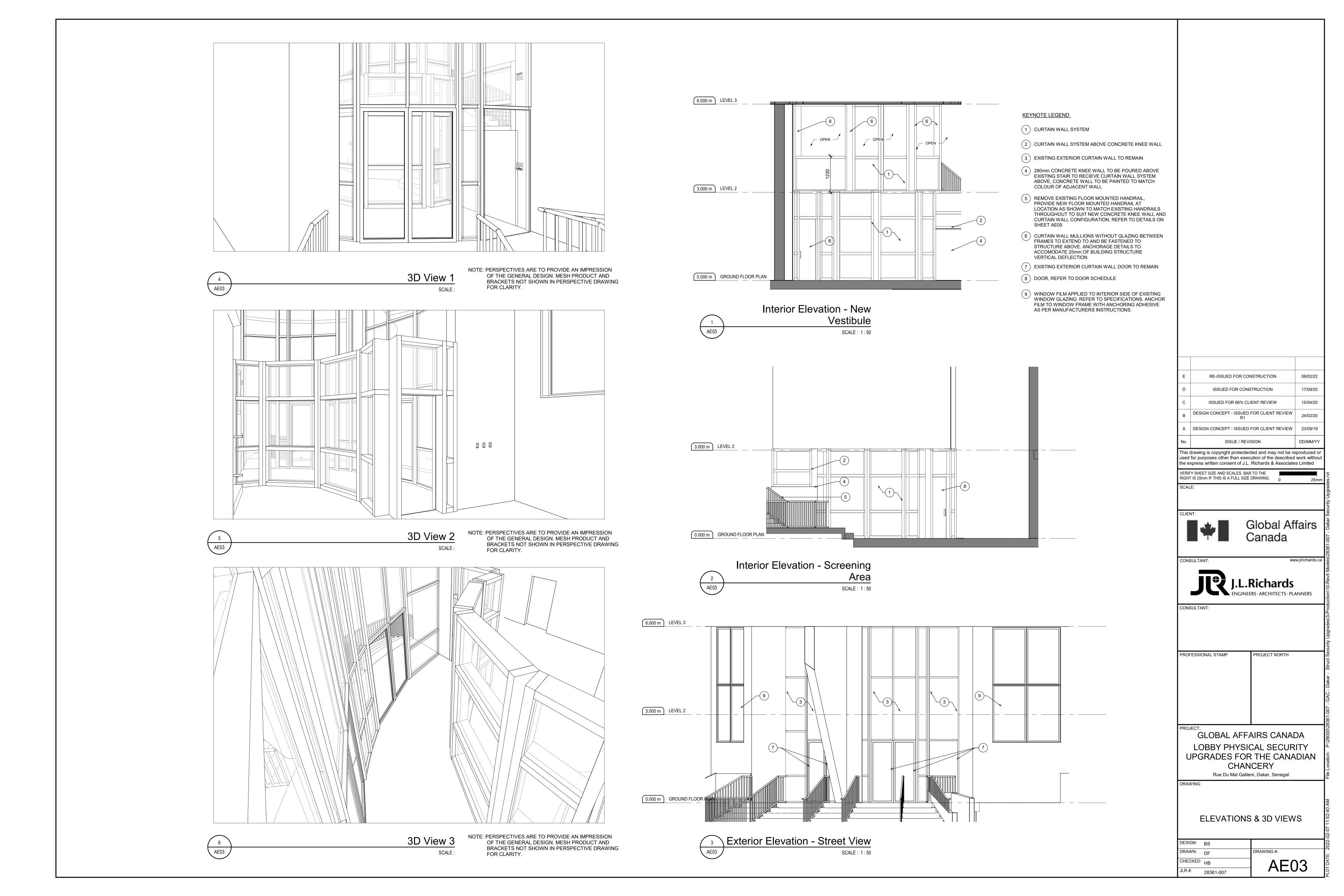
PROFESSIONAL STAMP PROJECT

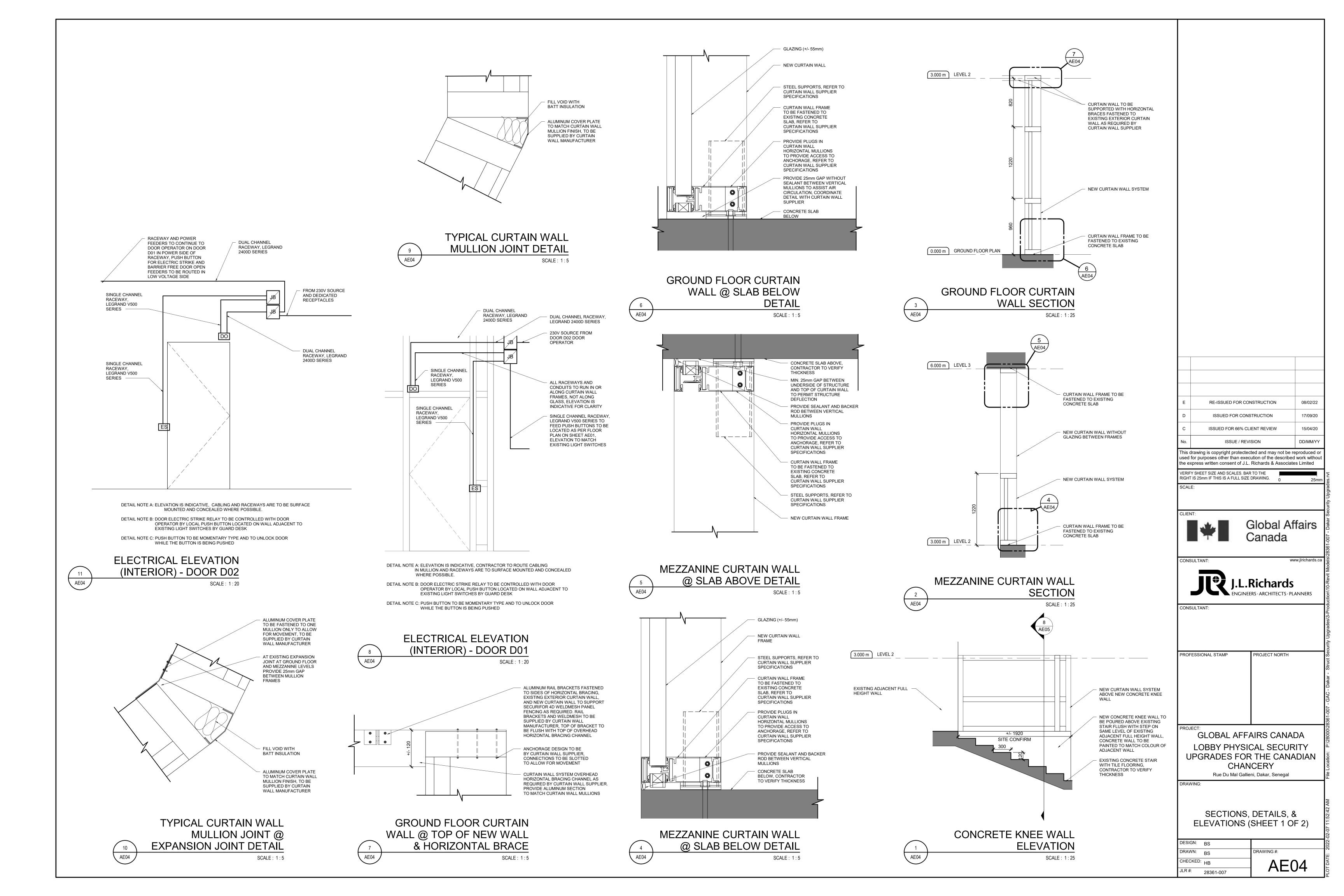
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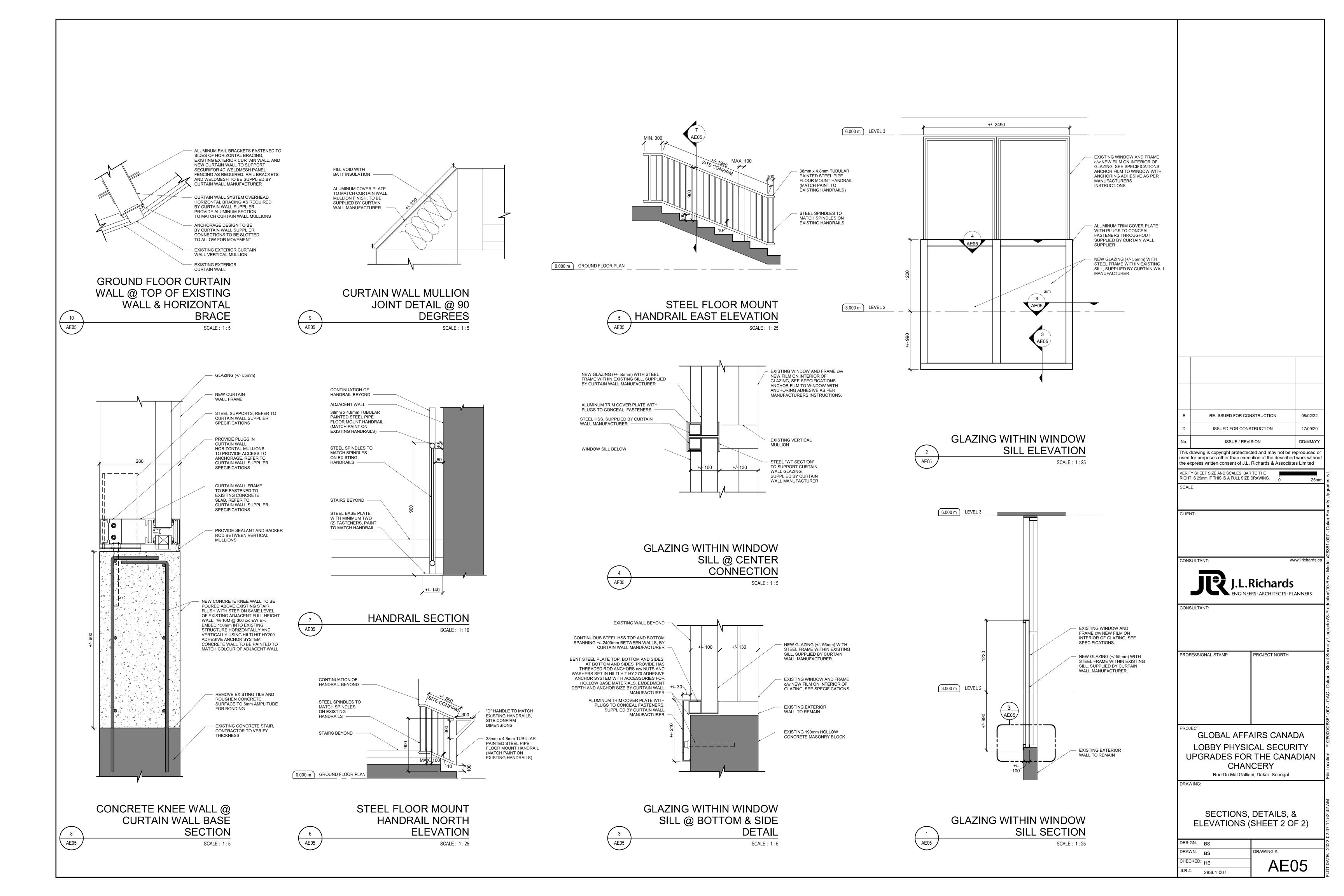
CHANCERY
Rue Du Mal Gallieni, Dakar, Senegal

MEZZANINE FLOOR PLAN

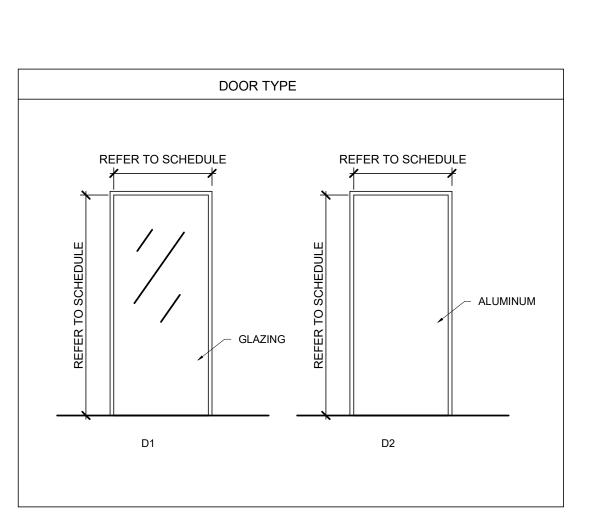
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JLR #:	28361-007	







HARDWARE SCHEDULE HARDWARE GROUP H1 3 HINGES, 114 X 114
1 EXIT DEVICE WITH MORTISE LOCK, LEVER HANDLE
ON OUTSIDE AND KEY FUNCTION TO RETRACT
(MORTISE LOCK TO REMAIN LOCKED ONCE KEY IS
REMOVED)
1 DOOR OPERATOR / CLOSER
1 KICKPLATE, 250mm x 840mm
1 THRESHOLD
1 DOOR SWEEP
1 DOOR WEATHERSTRIPPING
1 ELECTRIC STIKE HARDWARE GROUP H2 3 HINGES, 114 X 114
1 EXIT DEVICE WITH MORTISE LOCK, LEVER HANDLE
ON OUTSIDE AND KEY FUNCTION TO RETRACT
(MORTISE LOCK TO REMAIN LOCKED ONCE KEY IS
REMOVED)1 DOOR OPERATOR / CLOSER
1 ELECTRIC STRIKE
1 DOOR OPERATOR / CLOSER



								DOOR AND F	FRAME SCHEDULE
	DOOR			FRAME					
DOOR NUMBER	ТҮРЕ	DOOR WIDTH	DOOR HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	HARDWARE GROUP	REMARKS
D01	D1	915	2135	CW	N/A	AL	N/A	H2	CURTAIN WALL MANUFACTURER TO SUPPLY. ELECTRIC STRIKE REQUIRED. PROVIDE 25mm DOOR UNDERCUT TO AID AIR CIRCULATION.
D02	D2		CONFIRM ON SITE		N/A	AL	N/A	H1	GAC TO SUPPLY. ELECTRIC STRIKE REQUIRED.

AL = ALUMINUM CW =CURTAIN WALL

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D	ISSUED FOR CONSTRUCTION	17/09/20		
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CLIENT:		

CONSULTANT:

PROFESSIONAL STAMP PROJECT NORTH

GLOBAL AFFAIRS CANADA LOBBY PHYSICAL SECURITY UPGRADES FOR THE CANADIAN CHANCERY Rue Du Mal Gallieni, Dakar, Senegal

SCHEDULES

DESIGN:	BS	
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CHECKED:	НВ	AF06
JLR #:	28361-007	

ARCHITECTURAL SPECIFICATIONS:

DEMOLITION:

.1 SITE CONDITIONS:

.1 TAKE PRECAUTIONS TO PROTECT ENVIRONMENT, WORKERS AND BUILDING OCCUPANTS.

.2 PROTECTION:

.1 PREVENT DAMAGE TO ADJACENT STRUCTURES, UTILITIES, AND PARTS OF BUILDING TO REMAIN IN PLACE.

.2 KEEP NOISE, DUST, AND INCONVENIENCE TO OCCUPANTS TO MINIMUM.

.3 PROTECT BUILDING SYSTEMS, SERVICES AND EQUIPMENT SCHEDULED TO REMAIN.

.4 PROVIDE TEMPORARY DUST SCREENS, COVERS, RAILINGS, SUPPORTS AND OTHER PROTECTION

.5 DISCONNECT AND RE-ROUTE ELECTRICAL, TELEPHONE AND COMMUNICATION SERVICE LINES IF REQUIRED. POST WARNING SIGNS ON ELECTRICAL LINES AND EQUIPMENT WHICH MUST REMAIN ENERGIZED TO SERVE OTHER PRODUCTS DURING PERIOD OF DEMOLITION.

.6 LOCATE AND PROTECT UTILITY LINES. DO NOT DISRUPT ACTIVE OR ENERGIZED UTILITIES TRAVERSING PREMISES OR DESIGNATED TO REMAIN UNDISTURBED.

.7 ENTRANCE TO REMAIN OPERATION DURING CONSTRUCTION.

.4 DEMOLITION SALVAGE AND DISPOSAL:

.1 REMOVE PARTS OF EXISTING BUILDING TO PERMIT NEW CONSTRUCTION.

.2 REFER TO DRAWINGS AND SPECIFICATIONS FOR ITEMS TO BE SALVAGED FOR REUSE.

.3 REMOVE ITEMS TO BE REUSED, STORE AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE, AND RE-INSTALL UNDER APPROPRIATE SECTION OF SPECIFICATION.

.4 TRIM EDGES OF PARTIALLY DEMOLISHED BUILDING ELEMENTS TO TOLERANCES AS INDICATED AND/OR DEFINED BY DEPARTMENTAL REPRESENTATIVE TO SUIT FUTURE USE.

.5 CLEANING AND RESTORATION:

.1 UPON COMPLETION OF PROJECT, REINSTATE AREAS AFFECTED BY WORK TO CONDITION WHICH EXISTED PRIOR TO BEGINNING OF WORK.

.2 SITE TO BE CLEANED AT END OF EACH WORK DAY PRIOR TO LEAVING SITE.

ALTERATION PROCEDURES:

.1 QUALITY ASSURANCE:

.1 ALL WORK PERFORMED AND MATERIALS USED SHALL BE OF THE SAME STANDARD OF QUALITY AS THAT OF THE EXISTING FINISHED BUILDING AS A MINIMUM.

.2 PATCH, EXTEND AND FINISH WORK USING ONLY SKILLED MECHANICS CAPABLE OF MATCHING THE EXISTING QUALITY OR WORKMANSHIP, OR AS OTHERWISE INDICATED. THE QUALITY OF PATCHED OR EXTENDED WORK TO BE PERFORMED AS SPECIFIED IN THE FOLLOWING PRODUCT AND EXECUTION SPECIFICATIONS.

.2 ALTERATIONS, CUTTING AND PATCHING:

.1 PERFORM CUTTING AND REMOVAL WORK SO AS NOT TO CUT OR REMOVE MORE THAN IS NECESSARY AND SO AS NOT TO DAMAGE ADJACENT WORK.

.2 ASSIGN WORK OF MOVING, REMOVAL, CUTTING AND PATCHING AND REPAIR TO TRADES UNDER HIS/HER SUPERVISION SO AS TO CAUSE THE LEAST DAMAGE TO EACH TYPE OF WORK ENCOUNTERED, AND SO AS TO RETURN THE BUILDING AS MUCH AS POSSIBLE TO THE APPEARANCE OF NEW WORK.

.2 PROTECTION:

1 PROTECT REMAINING FINISHES, EQUIPMENT AND ADJACENT WORK FROM DAMAGE CAUSED BY CUTTING, MOVING, REMOVAL AND PATCHING OPERATIONS. PROTECT SURFACES TO REMAIN AS PART OF THE FINISHED WORK.

.1 PATCHING:

.1 IN AREAS WHERE ANY PORTION OF AN EXISTING FINISHED SURFACE IS DAMAGED, LIFTED, STAINED, PEELING, CRACKED, OR OTHERWISE MADE OR FOUND TO BE IMPERFECT, PATCH OR REPLACE IMPERFECT SURFACES WITH MATCHING MATERIAL.

.2 DO NOT INCORPORATE SALVAGED MATERIAL IN NEW WORK UNLESS OTHERWISE NOTED OR APPROVED BY DEPARTMENTAL REPRESENTATIVE IN WRITING.

.3 PROVIDE ADEQUATE SUPPORT OR SUBSTRATE FOR PATCHING AND FINISHING.

.4 FOR PAINTED AND/OR COATED IMPERFECT SURFACES, REMOVE LOOSE MATERIAL, PATCH. SAND AND REPAINT OR RECOAT THE PATCHED PORTION TO OBTAIN A UNIFORM COLOUR AND TEXTURE OVER THE ENTIRE SURFACE.

.5 REPAINT OR RECOAT ENTIRE SURFACE WHERE SURROUNDING AND/OR ADJACENT SURFACES CANNOT BE MATCHED.

.4 QUALITY:

.1 THE QUALITY OF THE PRODUCTS THAT EXIST IN THE BUILDING, AS APPARENT DURING PRE-BID SITE VISITS, SHALL SERVE AS THE MINIMUM SPECIFICATION REQUIREMENT FOR STRENGTH, APPEARANCE AND OTHER CHARACTERISTICS.

.5 TRANSITIONS:

.1 WHERE NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE THE TRANSITION AS SMOOTH AND WORKMANLIKE AS POSSIBLE. PERFORM PATCHING WORK TO MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE SO AS TO MAKE THE PATCH OR TRANSITION INVISIBLE TO THE EYE AT A DISTANCE OF ONE (1) METER / 3'.

.2 IN CASES OF EXTREME CHANGE OF LEVEL SUCH AS 50mm / 2" OR MORE, OBTAIN INSTRUCTIONS FROM DEPARTMENTAL REPRESENTATIVE AS TO METHOD OF MAKING TRANSITION. PROVIDE STEPPING, BULKHEADING, ENCASEMENT, RAMPING, SLOPING OR CHANGE OF TRANSITION LINE. OR ANY COMBINATION OF THESE AS DIRECTED IN EACH CASE BY DEPARTMENTAL

.6 MATCHING:

REPRESENTATIVE.

.1 RESTORE EXISTING WORK THAT IS DAMAGED DURING CONSTRUCTION TO A CONDITION EQUAL TO ITS CONDITION AT THE TIME OF THE START OF SUCH WORK.

.2 THESE SPECIFICATIONS ARE NOT INTENDED TO DESCRIBE EXISTING PRODUCTS OR STANDARDS OF EXECUTION, NOR WILL THEY ENUMERATE PRODUCTS, WHICH ARE NOT PART OF THE NEW CONSTRUCTION. THE EXISTING PRODUCT IS ITS OWN SPECIFICATION.

.3 THE PRESENCE OF ANY PRODUCT OR TYPE OF CONSTRUCTION IN OLD WORK SHALL CAUSE ITS PATCHING. EXTENDING OR MATCHING TO BE PERFORMED AS NECESSARY TO MAKE NEW WORK COMPLETE AND CONSISTENT, TO IDENTICAL STANDARDS OF QUALITY.

ALUMINUM DOORS AND FRAMES

1 SHOP DRAWINGS:

.1 SUBMIT SHOP DRAWINGS TO INDICATE MATERIALS AND DETAILS FOR HEAD. JAMB AND SILL PROFILES OF COMPONENTS, INTERIOR AND EXTERIOR TRIM, JUNCTION BETWEEN COMBINATION UNITS, ELEVATIONS OF UNIT, ANCHORAGE DETAILS, LOCATION OF ISOLATION COATING, DESCRIPTION OF RELATED COMPONENTS AND EXPOSED FINISHES. FASTENERS. AND CAULKING

.2 MATERIALS:

.1 ALUMINUM EXTRUSIONS: TO ALUMINUM ASSOCIATION ALLOY AA 6063-T5 OR T6 ANODIZING

.2 SHEET ALUMINUM: 1.5 mm/ 1/16" MINIMUM THICK TO ALUMINUM ASSOCIATION ALLOY AA 1100 - H14N OR AA 5005 -H32 OR H34 ANODIZING QUALITY.

.3 STEEL REINFORCEMENT: GRADE 300 W.

.4 FASTENERS: 304 STAINLESS STEEL, FINISHED TO MATCH ADJACENT MATERIAL.

.5 WEATHERSTRIP: REPLACEABLE MOHAIR AND METAL

.6 DOOR BUMPERS: BLACK NEOPRENE.

.7 DOOR BOTTOM SEAL: OPERABLE AND AUTOMATIC DOOR SEAL OF ANODIZED EXTRUDED ALUMINUM FRAME AND VINYL WEATHER SEAL, RECESSED IN DOOR BOTTOM, CLOSED ENDS, AUTOMATIC RETRACT MECHANISM WHEN DOOR IS OPEN.

.8 ISOLATION COATING: ALKALI RESISTANT.

.9 GLAZING MATERIALS: REFER TO GLAZING SPECIFICATION SECTION.

.10 SEALANTS: COLOUR AS LATER SELECTED BY DEPARTMENTAL REPRESENTATIVE IN ACCORDANCE WITH SECTION - JOINT SEALANTS.

.3 ALUMINUM DOORS:

.1 ALUMINUM DOOR: AS PROVIDED BY CONTRACTOR, INSTALLED BY CONTRACTOR

.1 DOOR OPERATOR: TWO (2) SELF-CONTAINED OVERHEAD UNITS, 1/4 HORSEPOWER MINIMUM, PERMANENT-MAGNET DC MOTORS WITH GEAR REDUCTION DRIVES, MICROPROCESSOR CONTROLLER; AND ENCODER.

.4 ALUMINUM FINISHES

.1 ALL DOOR AND FRAME FINISH UNLESS OTHERWISE NOTED:

.1 DOORS: ALUMINUM ASSOCIATION DESIGNATION AA-M12C22A41, OR APPROVED ALTERNATE.

.5 INSTALLATION:

1 MANUFACTURER'S INSTRUCTIONS: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS, PRODUCT CARTON INSTALLATION INSTRUCTIONS, AND DATA

GLAZED ALUMINUM CURTAIN WALLS

.1 ALL COMPONENTS NOTED ON THE DRAWINGS TO BE SUPPLIED BY CURTAIN WALL MANUFACTURER FOR INSTALLATION BY THE CONTRACTOR.

.2 QUALITY ASSURANCE

.1 INSTALLER WHO HAS HAD SUCCESSFUL EXPERIENCE WITH INSTALLATION OF THE SAME OR SIMILAR SYSTEMS REQUIRED FOR THE PROJECT AND OTHER PROJECTS OF SIMILAR SIZE AND SCOPE.

.2 MANUFACTURER QUALIFICATIONS: A MANUFACTURER CAPABLE OF FABRICATING GLAZED ALUMINUM CURTAIN WALLS THAT MEET OR EXCEED PERFORMANCE REQUIREMENTS.

.3 OBTAIN ALUMINUM CURTAIN WALL SYSTEM THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.

.3 MOCK-UP:

.1 SUPPLY 10m² / 100sq.ft. FULL HEIGHT MOCK-UP INCLUDING INTERMEDIATE MULLION, CORNER MULLION, SILL MUNTIN, COLUMN COVER, AND VISION GLASS LIGHT.

1 ASSEMBLE TO ILLUSTRATE COMPONENT ASSEMBLY INCLUDING GLAZING MATERIALS, WEEP DRAINAGE SYSTEM, ATTACHMENTS, ANCHORS, AND PERIMETER SEALANT.

.2 LOCATE MOCK-UP WHERE DIRECTED BY DEPARTMENTAL REPRESENTATIVE.

.3 ALLOW 48 HOURS FOR INSPECTION OF MOCK-UP BY DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH WORK.

.4 WHEN ACCEPTED, MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD OF QUALITY AND MATERIALS FOR WORK OF THIS SECTION.

.5 MOCK-UP MAY REMAIN AS PART OF FINISHED WORK TO DEPARTMENTAL

REPRESENTATIVE APPROVAL.

.6 INCLUDE 1.5m x 1.5m MOCK-UP OF EXTERIOR AND INTERIOR DOORS.

JOINT SEALANTS:

.1 EXTERIOR USE:

.1 ALL AREAS UNLESS SPECIFIED OTHERWISE: ONE PART MOISTURE CURING POLYURETHANE, SELF-LEVELING, GLASS MG-2-25-B-N:

.1 ACCEPTABLE PRODUCT: "DYMONIC' BY TREMCO LTD. OR APPROVED ALTERNATE.

.2 PREFINISHED METAL TO PREFINISHED METAL: ONE PART BLEND OF SYNTHETIC RUBBER AND RESIN, SELF LEVELING:

.1 ACCEPTABLE PRODUCT: "GUTTER SEAL" BY TREMCO OR APPROVED ALTERNATE.

.3 GLASS TO GLASS, GLASS TO METAL AND METAL TO METAL CURTAIN WALL JOINTS: MEDIUM MODULUS, MOISTURE CURING, ONE PART SILICONE SEALANT. MEETING THE SPECIFIED REQUIREMENTS OF SPECIFICATION, CLASSIFICATION MCG-2-25-A-L:

.1 ACCEPTABLE PRODUCT: 'SPECTRUM 2' BY TREMCO LTD OR APPROVED EQUIVALENT

.4 SEALANTS IN CONTACT WITH AIR/VAPOUR BARRIER MEMBRANES: A MOISTURE CURE, MEDIUM MODULUS POLYMER MODIFIED SEALING COMPOUND:

.1 ACCEPTABLE PRODUCTS: 'HE925 BES SEALANT' MANUFACTURED BY HENRY BAKOR. OR 'SOPRAMASTIC ALU' BY SOPREMA, OR APPROVED EQUIVALENT

.2 INTERIOR USE

.1 INTERIOR GENERAL APPLICATION (ALL AREAS UNLESS OTHERWISE SPECIFIED)

.1 ACCEPTABLE PRODUCT: 'TREMFLEX 834' BY TREMCO OR APPROVED EQUIVALENT

.2 SEALANT COLOURS: COLOURS OF EXPOSED SEALANTS AS LATER SELECTED BY DEPARTMENTAL REPRESENTATIVE FROM MANUFACTURERS STANDARD COLOUR RANGE

.3 INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS, PRODUCT **CARTON INSTALLATION**

WELDMESH PANEL FENCING SYSTEM:

.1 WORK INCLUDED

.1 THE CONTRACTOR SHALL PROVIDE ALL LABOUR, MATERIALS AND APPURTENANCES NECESSARY FOR INSTALLATION OF THE WELDMESH PANEL FENCING SYSTEM DEFINED

.2 SYSTEM DESCRIPTION

1.THE MANUFACTURER SHALL SUPPLY A TOTAL WELDMESH PANEL FENCING SYSTEM INCLUDING ALL COMPONENTS REQUIRED (I.E. RAIL BRACKETS TO SUPPORT SYSTEM)

.3 QUALITY ASSURANCE

.1 THE CONTRACTOR SHALL PROVIDE LABOURERS AND SUPERVISORS WHO ARE THOROUGHLY

FAMILIAR WITH THE TYPE OF CONSTRUCTION INVOLVED AND MATERIALS AND TECHNIQUES

.4 PRODUCT HANDLING AND STORAGE

.1 UPON RECEIPT AT THE JOB SITE, ALL MATERIALS SHALL BE CHECKED TO ENSURE THAT NO DAMAGES OCCURRED DURING SHIPPING OR HANDLING. MATERIALS SHALL BE STORED IN SUCH A MANNER TO ENSURE PROPER VENTILATION AND DRAINAGE, AND TO PROTECT AGAINST DAMAGE, WEATHER, VANDALISM AND THEFT.

.5 ACCEPTABLE PRODUCT AND MANUFACTURER

.1 'SECURIFOR 4D WELDMESH PANEL FENCING SYSTEM' WITH RAIL BRACKETS BY BETAFENCE OR APPROVED EQUIVALENT.

.6 INSTALLATION .1 INSTALL AS PER MANUFACTURER SPECIFICATIONS AND AS INDICTED ON DRAWINGS.

.7 MOCK-UP

1 PREPARE MIN. 1.5m x 1.5m MOCK-UP ON SITE OF WELDMESH PANEL FENCING SYSTEM; ALLOW 48 HOURS FOR INSPECTION OF MOCK UP BY DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH REMAINING INSTALLATION; WHEN ACCEPTED, MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD OF QUALITY AND MATERIALS FOR WORK OF THIS SECTION; MOCK-UP MAY REMAIN AS FINISHED WORK

BLANKET INSULATION:

.1 BATT INSULATION TO FILL CURTAIN WALL JOINT CAVITY:

TO DEPARTMENTAL REPRESENTATIVE APPROVAL

.1 ACCEPTABLE MATERIAL: 'FIBERGLASS BATT INSULATION' BY ROCKWOOL, OR APPROVED EQUIVALENT.

.2 MANUFACTURER'S INSTRUCTIONS:

.1 COMPLIANCE: COMPLY WITH MANUFACTURER'S WRITTEN DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS.

METAL FABRICATIONS:

.1 SHOP DRAWINGS: SUBMIT SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED OR LICENSED IN CANADA. INDICATE DETAILS OF CONSTRUCTION, PROFILES. JOINTING, FASTENING AND OTHER RELATED DETAILS C/W THICKNESSES, FINISHES AND HARDWARE.

.2 FABRICATION:

.1 FABRICATE COMPONENTS IN THE SHOP IN LARGEST SIZE PRACTICABLE TO MINIMIZE

.2 FABRICATE COMPONENTS SQUARE, STRAIGHT, TRUE, FEE FROM WARPAGE AND OTHER DEFECTS. ACCURATELY CUT, MACHINE FILE AND FIT JOINTS, CORNERS, COPES

.3 REINFORCE FABRICATED COMPONENTS TO SAFELY WITHSTAND EXPECTED LOADS.

.4 MAKE JOINTS IN BUILT-UP SECTIONS WITH HAIRLINE JOINTS IN LEAST CONSPICUOUS LOCATIONS AND MANNER.

.5 JOINTS SHALL BE WELDED UNLESS OTHERWISE INDICATED AND UNLESS DETAILS OF CONSTRUCTION DO NOT PERMIT WELDING. EXPOSED WELDS SHALL BE CONTINUOUS AND GRINDED SMOOTH

.6 USE SELF-TAPPING SHAKE-PROOF TAMPER PROOF HEADED SCREWS ON ITEMS REQUIRING ASSEMBLY BY SCREWS OR AS INDICATED.

.7 CLOSE EXPOSED OPEN ENDS OF TUBULAR MEMBERS WITH WELDED ON STEEL PLUGS. .8 WHERE WORK OF OTHER SECTIONS IS TO BE ATTACHED TO WORK OF THIS SECTION, PREPARE WORK BY DRILLING AND TAPPING HOLES. AS REQUIRED TO FACILITATE INSTALLATION

.10 WORK OF THIS SECTION. SUPPLIED FOR INSTALLATION UNDER OTHER SECTIONS. SHALL BE PREPARED AS REQUIRED READY FOR INSTALLATION BY: DRILLING, COUNTERSINKING AND TAPPING HOLES, FORMING SHAPES AND CUTTING TO REQUIRED SIZES.

.11 GRIND OFF MILL STAMPINGS AND FILL RECESSED MARKINGS ON STEEL COMPONENTS LEFT EXPOSED TO VIEW.

.12 FOLLOW RECOMMENDATIONS OF AISI COMMITTEE OF STAINLESS STEEL PRODUCERS WHEN FABRICATING, JOINING, WELDING, AND FINISHING STAINLESS STEEL COMPONENTS. REMOVE HEAT DISCOLOURATION WITH MECHANICAL CHEMICAL OR FLECTROCHEMICAL

MEANS. PROVIDE TEMPORARY PROTECTIVE COVERINGS FOR ALL STAINLESS STEEL COMPONENTS.

.13 WHERE POSSIBLE, FIT AND SHOP ASSEMBLE WORK, READY FOR ERECTION.

.3 FINISHES:

OF SUCH OTHER WORK.

THOROUGHLY CLEAN STEEL OF LOOSE SCALE, RUST, OIL, DIRT AND OTHER FOREIGN MATTER. SUITABLY PREPARE STEEL SURFACES BY POWER TOOL CLEANING TO RECEIVE SPECIFIED FINISHES.

.2 GRIND SMOOTH SHARP PROJECTIONS.

.3 REMOVE OIL AND GREASE BY SOLVENT CLEANING.

.4 APPLY COATINGS IN THE SHOP AND BEFORE ASSEMBLY. WHERE SIZE PERMITS, GALVANIZE COMPONENTS AFTER ASSEMBLY.

.5 APPLY ONE SHOP COAT OF PRIMER TO METAL ITEMS BEFORE APPLYING COAT OF PAINT.

.6 PAINT COLOUR TO MATCH EXISTING HANDRAILS ON SITE, TO BE APPROVED BY DEPARTMENTAL

.4 SCHEDULE OF COMPONENTS:

WITH REMAINING INSTALLATION.

REPRESENTATIVE APPROVAL

.1 PROVIDE THE FOLLOWING COMPONENTS AS REQUIRED AND / OR WHERE INDICATED:

.1 TUBULAR STEEL HANDRAIL

REPRESENTATIVE.

.5 MOCK-UP: .1 ALLOW 48 HOURS FOR INSPECTION OF MOCK-UP BY CONSULTANT BEFORE PROCEEDING

.2 WHEN ACCEPTED, MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD OF QUALITY AND

MATERIALS FOR WORK OF THIS SECTION. .3 MOCK-UP MAY REMAIN AS FINISHED WORK TO DEPARTMENTAL

REPRESENTATIVE APPROVAL. .4 PREPARE MIN. 1.5 m of MOCK-UP OF TUBULAR STEEL HANDRAIL: ALLOW 48 HOURS FOR INSPECTION OF MOCK UP BY DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH REMAINING INSTALLATION: WHEN ACCEPTED. MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD OF QUALITY AND MATERIALS FOR WORK OF THIS SECTION; MOCK-UP MAY REMAIN AS FINISHED WORK TO DEPARTMENTAL

WINDOW FILM:

.1 WORK INCLUDED

.1 THE CONTRACTOR SHALL PROVIDE ALL LABOUR. MATERIALS AND APPURTENANCES NECESSARY FOR INSTALLATION OF THE WINDOW FILM DEFINED HEREIN.

.2 SYSTEM DESCRIPTION

.3 QUALITY ASSURANCE

1.THE MANUFACTURER SHALL SUPPLY A TOTAL WINDOW FILM INCLUDING ALL

COMPONENTS REQUIRED (I.E. FASTENING SYSTEM).

.1 THE CONTRACTOR SHALL PROVIDE LABOURERS AND SUPERVISORS WHO ARE THOROUGHLY FAMILIAR WITH THE TYPE OF CONSTRUCTION INVOLVED AND MATERIALS AND TECHNIQUES SPECIFIED.

.4 PRODUCT HANDLING AND STORAGE

.1 UPON RECEIPT AT THE JOB SITE, ALL MATERIALS SHALL BE CHECKED TO ENSURE THAT NO DAMAGES OCCURRED DURING SHIPPING OR HANDLING. MATERIALS SHALL BE STORED IN SUCH A MANNER TO ENSURE PROPER VENTILATION AND DRAINAGE, AND TO PROTECT AGAINST DAMAGE, WEATHER, VANDALISM AND THEFT.

.1 INSTALL AS PER MANUFACTURER SPECIFICATIONS AND AS INDICATED ON DRAWINGS.

.6 MOCK-UP

.1 PREPARE MIN. 1.5m x 1.5m MOCK-UP ON SITE OF WINDOW FILM; ALLOW 48 HOURS FOR INSPECTION OF MOCK UP BY DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH REMAINING INSTALLATION; WHEN ACCEPTED, MOCK-UP WILL DEMONSTRATE MINIMUM STANDARD OF QUALITY AND MATERIALS FOR WORK OF THIS SECTION; MOCK-UP MAY REMAIN AS FINISHED WORK TO DEPARTMENTAL REPRESENTATIVE APPROVAL.

> RE-ISSUED FOR CONSTRUCTION 08/02/22 ISSUED FOR CONSTRUCTION 17/09/20 ISSUED FOR 66% CLIENT REVIEW 15/04/20 ISSUE / REVISION DD/MM/Y

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'ERIFY SHEET SIZE AND SCALES. BAR TO THE



PROFESSIONAL STAMP PROJECT NORTH

GLOBAL AFFAIRS CANADA LOBBY PHYSICAL SECURITY UPGRADES FOR THE CANADIAN

RAWING #: HECKED: HB

the express written consent of J.L. Richards & Associates Limited

RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

CONSULTANT

CHANCERY

Rue Du Mal Gallieni, Dakar, Senegal

ARCHITECTURAL SPECIFICATIONS

28361-007

STRUCTURAL SPECIFICATIONS:

EXPLORATORY INVESTIGATION:

1. STRUCTURAL AS-BUILT DRAWINGS ARE NOT AVAILABLE AND, AS SUCH, THE ADEQUACY OF THE EXISTING STRUCTURE TO SUPPORT THE ADDITIONAL LOADING IMPOSED BY THE VESTIBULE UPGRADES IS NOT KNOWN.

2. PRIOR TO PROCEEDING WITH ANY NEW WORK INCLUDING PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL UNDERTAKE AN EXPLORATORY INVESTIGATION INCLUDING SELECT REMOVALS AND FERROUS SCANNING TO DETERMINE EXISTING STRUCTURE DETAILS. THE INVESTIGATION SHALL BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE OWNER.

3. THE FOLLOWING INFORMATION SHALL BE OBTAINED AND COMMUNICATED TO THE CONSULTANT IN WRITING:

• GROUND FLOOR SLAB THICKNESS AND REINFORCING DETAILS (BAR SIZE AND SPACING, # OF MATS, DIRECTION OF UPPER AND LOWER LAYERS).

• GROUND FLOOR CONCRETE BEAM DIMENSIONS (WIDTH/DEPTH) ALONG GRIDLINE BB ADJACENT TO EXPANSION JOINT THROUGH VESTIBULE ALONG WITH REINFORCING DETAILS (LONGITUDINAL BAR SIZE AND #. STIRRUP SIZE AND SPACING).

 CONFIRM PRESENCE/DETAILS OF KNEE WALL SUPPORTING THE LOWER RUN OF STAIRS (THICKNESS) AND REINFORCING) BETWEEN GRIDLINES BB AND CC. CONFIRM WHETHER THE BOTTOM STAIR LANDING AND BOTTOM STEP BETWEEN GRIDLINES BB AND

CC ARE SOLID CONCRETE AND CONFIRM THICKNESS. CONFIRM STAIR TREAD DIMENSIONS, STRINGER THICKNESS AND REINFORCING STEEL DETAILS

FOR LOWER RUN OF STAIRS BETWEEN GRIDLINES BB AND CC (BAR SIZE AND SPACING, # OF MATS, DIRECTION OF UPPER AND LOWER LAYERS)

 TWO (2) CORE SAMPLES SHALL BE TAKEN FROM GROUND FLOOR SLAB AND SENT TO LABORATORY FOR COMPRESSIVE STRENGTH TESTING. CONTRACTOR SHALL COORDINATE LOCATIONS WITH OWNER. DO NOT DAMAGE EXISTING REINFORCING STEEL BARS. INFILL OPENINGS WITH 35MPa NON-SHRINK GROUT FOLLOWING REMOVAL.

 TWO (2) REINFORCING STEEL SAMPLES SHALL BE TAKEN FROM GROUND FLOOR SLAB AND SENT TO LABORATORY FOR TENSILE TESTING. CONTRACTOR SHALL COORDINATE LOCATIONS WITH OWNER.

4. UPON RECEIPT OF COMPLETE INFORMATION FROM THE CONTRACTOR, THE CONSULTANT SHALL CONFIRM VIA SUPPLEMENTAL INSTRUCTION WITHIN FIVE DAYS WHETHER THE STRUCTURE IS ADEQUATE TO RESIST THE PROPOSED LOADING AND THE SPECIFIED WORK MAY PROCEED, OR WHETHER STRUCTURAL REINFORCEMENT WILL BE REQUIRED.

5. A CONTRACT CHANGE ORDER WILL BE ISSUED WITHIN TEN WORKING DAYS OF THE SUPPLEMENTAL INSTRUCTION DESCRIBED ABOVE IF STRUCTURAL REINFORCING IS REQUIRED TO SUPPORT THE PROPOSED

1. PERFORM ALL WORK TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA (2015). OBSERVE ALL LOCAL REQUIREMENTS AND EXECUTE ALL WORK TO REQUIREMENTS OF THE APPLICABLE CSA STANDARDS OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT. ALL WORKMANSHIP TO BE REPRESENTATIVE OF THE HIGHEST INDUSTRY STANDARD.

2. CURTAIN WALL COMPONENTS WILL BE PROVIDED TO THE CONTRACTOR BY THE CURTAIN WALL MANUFACTURER, FOR INSTALLATION BY THE CONTRACTOR.

THE BUILDING IS BISECTED BY AN EXISTING EXPANSION JOINT THAT RUNS THROUGH THE VESTIBULE. CONTRACTOR TO LOCATE THE EXPANSION JOINT ON SITE AND ENSURE THAT MATCHING JOINTS ARE PROVIDED IN THE CURTAIN WALL TO RESPECT THE BUILDING EXPANSION JOINT.

4. COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT.

5. READ THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND ELECTRICAL DRAWINGS. COORDINATE THE REQUIREMENTS OF THESE TRADES WITH THE STRUCTURAL WORK AND PROVIDE FOR OPENINGS, SLEEVES, CONDUITS, ETC. IN THE EVENT OF DISCREPANCIES, NOTIFY THE DEPARTMENTAL REPRESENTATIVE IMMEDIATELY FOR CLARIFICATION.

6. IT IS THE INTENT OF THIS CONTRACT TO PROVIDE FINISHED WORK. ITEMS THAT ARE CLEARLY REQUIRED TO PROVIDE A FINISHED INSTALLATION ARE INCLUDED IN THE SCOPE WHETHER SPECIFICALLY NOTED OR NOT.

7. EXISTING DIMENSIONS BASED ON INFORMATION PROVIDED BY THE CLIENT AND HAVE NOT BEEN VERIFIED OR WARRANTED FOR ACCURACY. CONFIRM ALL DIMENSIONS, ELEVATIONS, GRADES AND EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK AND REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.

8. THESE DRAWINGS SHOW FINISHED STRUCTURES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY SUPPORT STRUCTURES REQUIRED TO COMPLETE THE WORK. WHEN REQUESTED BY THE DEPARTMENTAL REPRESENTATIVE, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER IN CANADA, FOR ANY SUCH TEMPORARY SUPPORT STRUCTURES.

9. INSTALL TEMPORARY HOARDING AND SHORING AS REQUIRED TO PROTECT WORKERS, OCCUPANTS OF THE SITE AND THE PUBLIC. MAINTAIN EXITS AT ALL TIMES.

10. PROPRIETARY SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

11. ALL MEASUREMENTS ARE IN METRIC (mm) UNLESS OTHERWISE NOTED. DO NOT SCALE THE DRAWINGS.

12. CONTRACTOR SHALL MAKE GOOD, TO THE SATISFACTION OF DEPARTMENTAL REPRESENTATIVE, ANY DAMAGE THAT OCCURS DURING THE COURSE OF CONSTRUCTION.

13. PRIOR TO EXECUTION OF PENETRATIONS INTO EXISTING STRUCTURE CONCRETE IS TO BE X-RAYED TO ENSURE THAT REINFORCING OR ANY EMBEDDED SERVICES ARE NOT DAMAGED. NOTIFY DEPARTMENTAL REPRESENTATIVE OF RESULTS PRIOR TO CORING.

DESIGN LOADS

1. CURTAIN WALL GLAZING AND ASSOCIATED COMPONENTS SHALL BE DESIGNED TO RESIST THE FOLLOWING LATERAL LOADS:

0.75 KN/m DISTRIBUTED LOAD APPLIED AT 1100mm ABOVE FINISHED FLOOR

 1.5KN CONCENTRATED LOAD APPLIED AT ANY POINT 0.5 KPa PRESSURE

2. CURTAIN WALL GLAZING AND ASSOCIATED COMPONENTS SHALL BE DESIGNED TO RESIST THE FOLLOWING VERTICAL LOADS:

 1.5 KN/m DISTRIBUTED LOAD 1.5KN CONCENTRATED LOAD APPLIED AT ANY POINT

3. DESIGNER TO LIMIT DEFLECTION UNDER ANY OF THE ABOVE LOADING CONDITIONS TO 'L'/360 WHERE 'L' IS THE SPAN OF THE MEMBER

CONCRETE

15. PERFORM ALL CONCRETE WORK TO CAN/CSA A23.1-14/A23.2-14 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION METHODS OF TEST AND STANDARD PRACTICES FOR CONCRETE". CONCRETE DESIGN TO CAN/CSA A23.3-14 "DESIGN OF CONCRETE STRUCTURES." OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT.

16. QUALITY CONTROL:

a. CONCRETE POURS: SUBMIT ACCURATE RECORDS OF POURED CONCRETE ITEMS INDICATING DATE AND LOCATION OF POUR, QUALITY, AIR TEMPERATURE AND TEST SAMPLES TAKEN.

b. SUBMIT TO DEPARTMENTAL REPRESENTATIVE, MINIMUM 4 WEEKS PRIOR TO STARTING CONCRETE WORK, VALID AND RECOGNIZED CERTIFICATE FROM PLANT DELIVERING CONCRETE. WHEN PLANT DOES NOT HOLD VALID CERTIFICATION. PROVIDE TEST DATA AND CERTIFICATION BY QUALIFIED INDEPENDENT INSPECTION AND TESTING LABORATORY THAT MATERIALS USED IN CONCRETE MIXTURE WILL. MEET SPECIFIED REQUIREMENTS.

c. MINIMUM 4 WEEKS PRIOR TO STARTING CONCRETE WORK, SUBMIT PROPOSED QUALITY

CONTROL PROCEDURES FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE ON FOLLOWING ITEMS:

• FALSEWORK ERECTION. • CURING.

FINISHES.

 FORMWORK REMOVAL. VERIFICATION OF CONCRETE SUPPLIED.

d. CONTRACTOR TO NOTIFY DEPARTMENTAL REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF ANY CONCRETE PLACEMENT.

e. SUBMIT WRITTEN REPORT TO DEPARTMENTAL REPRESENTATIVE VERIFYING COMPLIANCE THAT CONCRETE IN PLACE MEETS PERFORMANCE REQUIREMENTS.

17. CONCRETE MATERIALS:

a. INTERIOR CONCRETE MAXIMUM WATER TO CEMENTING RATIO 0.4

• 30 MPA COMPRESSIVE STRENGTH AT 28 DAYS • MAXIMUM SIZE OF COURSE AGGREGATE 14 TO 20mm

SLUMP AT DISCHARGE 80 ± 30mm

b. GENERAL USE CEMENT:

• STANDARD OF ACCEPTANCE: CAN/CSA-A3001 TYPE GU • APPROVED EQUIVALENT: ASTM C1157 TYPE GU

c. BLENDED HYDRAULIC CEMENT:

• STANDARD OF ACCEPTANCE: CAN/CSA-A30D1 TYPE GUB APPROVED EQUIVALENT: ASTM 595 TYPE 1(PM)

d. WATER: THE WATER-SOLUBLE CHLORIDE ION CONTENT BY MASS OF THE CEMENTING MATERIAL IN THE CONCRETE BEFORE EXPOSURE SHALL NOT EXCEED 0.15%.

e. AGGREGATES: AGGREGATE COMPOSITION INFORMATION IS TO BE INCLUDED IN THE CONCRETE MIX DESIGN SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL. COARSE AGGREGATE TO BE NORMAL DENSITY.

18. FORMWORK FOR CONCRETE TO CAN/CSA S269.1-LATEST EDITION OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT. DESIGN, FABRICATION, INSPECTION AND DISMANTLING OF FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORMWORK SHALL BE LEFT IN PLACE UNTIL THE CONCRETE HAS SUFFICIENT STRENGTH TO SUPPORT THE SELF WEIGHT OF THE CAST MEMBER AND CONSTRUCTION LOADS.

19. ALL TEMPORARY STRUCTURAL SUPPORTS FOR CONCRETE FORMWORK TO BE DESIGNED AND INSPECTED BY A PROFESSIONAL ENGINEER.

20. EXISTING CONCRETE BEING PLACED AGAINST SHALL BE WIRE BRUSHED, CLEANED AND MOISTENED IMMEDIATELY PRIOR TO PLACING FRESH CONCRETE. INTENTIONALLY ROUGHEN CONCRETE TO 5mm AMPLITUDE TO EXPOSE AGGREGATES AND PROVIDE INTERLOCK BETWEEN CONCRETE PLACEMENTS.

21. A SMOOTH-FORM FINISH WILL BE REQUIRED FOR ALL SURFACES EXPOSED TO VIEW IN THE FINISHED STRUCTURE. PROVIDE 25mm FORMED CHAMFERS UNLESS NOTED OTHERWISE.

22. CURE ALL CONCRETE IN ACCORDANCE WITH THE REQUIREMENTS OF CAN/CSA A23.1/2 OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT. TAKE APPROPRIATE PRECAUTIONS FOR HOT AND COLD WEATHER WORK.

23. CONTRACTOR SHALL TAKE CONCRETE SAMPLES FOR COMPRESSIVE STRENGTH TESTING IN ACCORDANCE WITH CAN CSA A23.1/A23.2 OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT. CONTRACTOR TO PROVIDE TESTING RESULTS FROM CERTIFIED TESTING LABORATORY TO DEPARTMENTAL REPRESENTATIVE FOR RECORD.

REINFORCING STEEL

24. PREPARE REINFORCEMENT DRAWINGS IN ACCORDANCE WITH REINFORCING STEEL INSTITUTE OF CANADA MANUAL OF STANDARD PRACTICE OR EQUIVALENT LOCAL CODE. WHICHEVER IS MORE STRINGENT. SUBMIT SHOP DRAWINGS INCLUDING PLACING OF REINFORCEMENT AND INDICATE:

BAR BENDING DETAILS.

 LISTS. • QUANTITIES OF REINFORCEMENT.

• SIZES, SPACINGS, LOCATIONS OF REINFORCEMENT AND MECHANICAL SPLICES IF APPROVED BY DEPARTMENTAL REPRESENTATIVE. WITH IDENTIFYING CODE MARKS TO PERMIT CORRECT PLACEMENT WITHOUT REFERENCE TO STRUCTURAL DRAWINGS.

• INDICATE SIZES, SPACINGS AND LOCATIONS OF CHAIRS, SPACERS AND HANGERS. 1. MILL TEST REPORT: PROVIDE DEPARTMENTAL REPRESENTATIVE WITH CERTIFIED COPY OF MILL

TEST REPORT OF REINFORCING STEEL, MINIMUM 4 WEEKS PRIOR TO BEGINNING REINFORCING WORK. SUBMIT IN WRITING TO DEPARTMENTAL REPRESENTATIVE PROPOSED SOURCE OF REINFORCEMENT MATERIAL TO BE SUPPLIED.

25. COMPLETE THE FOLLOWING TESTING ON REINFORCING STEEL FOR BRAND APPROVAL: ULTIMATE STRENGTH, YIELD STRENGTH, STRESS-STRAIN CURVE, % OF ELONGATION, BEND AND REBEND TEST, CROSS-SECTIONAL AREA, MILL TEST REPORT.

26. REINFORCING PRODUCTS: • SUBSTITUTE DIFFERENT SIZE BARS ONLY IF PERMITTED IN WRITING BY DEPARTMENTAL REPRESENTATIVE.

• REINFORCING STEEL: BILLET STEEL DEFORMED BARS WITH A MINIMUM YIELD STRENGTH OF 300MPa TO ASTM A615 OR APPROVED EQUAL, UNLESS INDICATED OTHERWISE. • REINFORCING STEEL: WELDABLE LOW ALLOY STEEL DEFORMED BARS TO ASTMA7D6 OR APPROVED EQUAL.

• COLD-DRAWN ANNEALED STEEL WIRE TIES: TO ASTM A 497/A 497M OR APPROVED EQUAL. • CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS SHALL BE MADE OF PLASTIC OR PRECAST CONCRETE WITH A QUALITY AT LEAST EQUAL TO THAT SPECIFIED FOR THE MEMBER IN WHICH THEY ARE USED.

27. PROVIDE 40mm CONCRETE COVER CONCRETE TO REINFORCING STEEL.

28. DETAIL, PLACE AND PROTECT REINFORCING STEEL IN ACCORDANCE WITH CAN/CSA-A23.1 OR EQUIVALENT LOCAL CODE, WHICHEVER IS MORE STRINGENT.

29. ALL REINFORCING STEEL SHALL BE CHAIRED AND SECURELY TIED IN PLACE USING STANDARD TIES AND CHAIRS TO THE REQUIRED COVER AND DOWELS, ANCHOR BOLTS, EMBEDDED ELEMENTS SHALL BE IN PLACE AND ACCURATELY LOCATED PRIOR TO PLACING CONCRETE.

30. STRAIGHTENING OR REBENDING OF REINFORCING BARS IS NOT PERMITTED.

31. POST-INSTALLED DOWELS TO BE SET IN HILTI HIT HY 200 ADHESIVE ANCHOR SYSTEM WITH SAFESET OR APPROVED EQUIVALENT. EMBEDMENT DEPTH AS PER DRAWINGS.

Е	RE-ISSUED FOR CONSTRUCTION	08/02/22
D	ISSUED FOR CONSTRUCTION	17/09/20
С	ISSUED FOR 66% CLIENT REVIEW	15/04/20
No.	ISSUE / REVISION	DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.



CONSULTANT:

PROFESSIONAL STAMP	PROJECT NORTH

GLOBAL AFFAIRS CANADA LOBBY PHYSICAL SECURITY UPGRADES FOR THE CANADIAN CHANCERY

Rue Du Mal Gallieni, Dakar, Senegal

STRUCTURAL SPECIFICATIONS

DESIGN:	BG	
DRAWN:	BG	DRAWING #:
CHECKED:	BDW	∆ ⊏11
JLR #:	28361-007	

.6 FITTING FOR STEEL CONDUIT TO BE SET SCREW TYPE, ZINC COATED STEEL CONNECTORS AND COUPLINGS.

ELECTRICAL SPECIFICATIONS:

1. WIRING, CONDUIT AND BOXES:

- .1 ALL WIRING TO BE COPPER, 2.5mm MULTI-CONDUCTOR CABLE EXCEPT WHERE NOTED OTHERWISE.
- .2 FLEXIBLE ARMORED MULTI CONDUCTOR CABLE CAN BE USED IN MILLWORK TO PROVIDE POWER TO EQUIPMENT AND RECEPTACLES. THIS CAN ALSO BE USED FOR INSTALLATIONS IN T-BAR CEILINGS AND INTERIOR PARTITIONS. MAXIMUM CONTINUOUS HORIZONTAL LENGTH - 3000mm.
- .3 ALL CONDUIT MEASUREMENTS REFER TO INSIDE DIAMETER. 27mm CONDUIT IS TO BE TERMINATED USING 100mm x 100mm x 50mm JUNCTION BOX AND CONDUIT GREATER THAN 27mm TO BE TERMINATED USING 150mm x 150mm x 100mm JUNCTION BOX. CONDUITS TO BE SMOOTH BORE AND \ PROVIDED WITH MEASURED NYLON PULL WIRES. PULL WIRES TO BE LABELED AT EACH END TO ENSURE EASY IDENTIFICATION OF CONDUIT TERMINATION POINT. WHERE METAL CONDUITS ARE INSTALLED PROVIDE PLASTIC INSERTS ON ALL OPEN ENDS. NUMBER OF BENDS IN CONDUITS TO BE MINIMIZED. AT BACKBOARDS, TERMINATE CONDUITS ON THE WALL, 100mm BELOW THE FALSE CEILING.
- .4 SURFACE MOUNTED WIREMOLD RACEWAYS TO BE: DUAL CHANNEL LEGRAND 2400D SERIES. SINGLE CHANNEL -LEGRAND 500 SERIES. RACEWAYS TO BE INSTALLED COMPLETE WITH ALL ELBOWS, ADAPTERS, ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR TO FOLLOW MANUFACTURERS INSTRUCTIONS TO SUIT EACH APPLICATION INDICATED ON THE LAYOUT AND DETAIL DRAWINGS. ALL SURFACE MOUNTED RACEWAYS ARE TO BE PAINTED TO MATCH WALL COLOUR.
- .5 PVC CAN BE USED IN ALL DRY WALL CONSTRUCTION BUT NOT IN CEILING PLENUMS WITHOUT PRIOR APPROVAL. CONDUIT MUST MEET OR EXCEED LOCAL FLAME SPREAD RATINGS.
- .7 PROVIDE GREEN AND YELLOW INSULATED GROUND CONDUCTOR IN ALL INSTALLED CONDUIT.
- .8 PROVIDE DEDICATED NEUTRALS FOR ALL RECEPTACLE CIRCUITS.
- .9 CONCEAL ALL PVC AND STEEL CONDUIT AND WIRING EXCEPT IN SERVICE ROOMS AND IN UNFINISHED AREAS (UNLESS OTHERWISE NOTED).
- .10 ALL WALL-MOUNTED SURFACE POWER AND COMMUNICATIONS JUNCTION BOXES TO BE SHALLOW SURFACE SINGLE GANG TYPE C/W APPROPRIATE COVERPLATE OR IN SURFACE PLASTIC RACEWAY TO
- .11 ALL OTHER NEW INSTALLATIONS TO HAVE FLUSH MOUNTED BOXES AND CONCEALED CONDUIT.

PROVIDE PULL BOXES IN CONDUIT RUNS 20 METERS OR LONGER. ONE BOX REQUIRED EVERY 20 METERS OF LENGTH MINIMUM AND AT ALL 90 DEGREE BENDS. BOXES TO BE SIZED FOR INTENDED WIRE FILL AND CONDUIT SIZING UNLESS NOTED OTHERWISE ON DRAWINGS. DO NOT PROVIDE BOXES IN PARKING GARAGE. AREA OR ANY OTHER AREA OUTSIDE FACILITY.

.13 JUNCTION BOXES:

150mm x 150mm x 100mm MINIMUM COMPLETE WITH ACCEPTABLE COVER PLATE.

.14 WIRING DEVICES AND COVER PLATES:

PROVIDE SPECIFICATION GRADE NYLON WIRING DEVICES. COLOR TO BE WHITE, UNLESS OTHERWISE SPECIFIED. TOGGLE SWITCHES TO BE RATED 20AMP, 220V, LEGRAND MALLIA 20 AX SERIES OR APPROVED EQUIVALENT. TWO-WAY TOGGLE SWITCHES TO BE RATED 20AMP, 220V, LEGRAND MALLIA 20 AX SERIES OR APPROVED EQUIVALENT. ALL OTHER DEVICES WHERE POSSIBLE TO BE LEGRAND INTERNATIONAL MK ELECTRIC, SQUARE D, HAGER, CRABTREE OR APPROVED ALTERNATIVE. PROVIDE COVER PLATES FOR ALL UNUSED BOXES AT END OF PROJECT.

.15 GROUNDING AND BONDING:

BOND ALL EQUIPMENT WITH APPROVED FITTINGS AND BONDING CONDUCTORS OF AMPLE CAPACITY AS REQUIRED BY LOCAL ELECTRICAL CODE. ALL BONDING CONDUCTORS TO BE 16mm2 OR SIZED TO MEET LOCAL ELECTRICAL CODE. ALL BONDING CONDUCTOR TO BE GREEN INSULATED AND INSTALLED

.16 WIRING AND INSTALLATION METHODS:

ALL CONDUIT SYSTEMS ARE TO BE COLOUR CODED ON THE EXTERIOR WITH COLOUR BANDS INDICATING SYSTEM TYPE.

SYSTEM	PRIMARY COLOUR / SECONDARY COLOU
FIRE ALARM	RED
LOW VOLTAGE	YELLOW
EMERGENCY LOW VOLTAGE	YELLOW / RED
UPS LOW VOLTAGE	YELLOW / BLUE
GROUND	GREEN
BMS	GREY
INFORMATION TECHNOLOGY	ORANGE
VSAT	ORANGE / BLACK
INTERNET	ORANGE / YELLOW
SECURITY	BLUE
IDACS	BLUE / YELLOW
CSAS	BLUE / BLACK
CCTV	BLUE / GREEN

.17 TELECOMMUNICATION COLOUR CODE AS FOLLOWS:

.1 ALL TELECOMMUNICATIONS CONDUIT, WALL BOXES AND JUNCTION BOXES TO BE COLOUR

IDENTIFIED USING FLUORESCENT ORANGE (PAINTED). .2 CONDUITS TO BE IDENTIFIED WITH A 100mm BAND AT 3 METER INTERVALS.

.3 JUNCTION BOXES TO BE IDENTIFIED. .4 INTERIOR OF ALL WALL BOXES TO BE SPRAYED FLUORESCENT ORANGE.

.5 PROVIDE A BONDING WIRE IN ALL CONDUITS. PROVIDE BONDING TO ALL EQUIPMENT, FRAMES AND ENCLOSURES TO MEET SAFETY CODE. .6 IDENTIFY ALL JUNCTION BOXES, PULL BOXES TO IDENTIFY PANELS AND ENCLOSED CIRCUITS.

.7 IDENTIFY BOTH ENDS OF PHASE CONDUCTORS, USING COLORED, NUMBERED PLASTIC TAPE TO IDENTIFY PHASE AND CIRCUIT. .8 COORDINATE LOCATION OF ALL REQUIRED ACCESS DOORS, WITH TRADE RESPONSIBLE FOR INSTALLATION TO ENSURE PROPER ACCESSIBILITY OF JUNCTION BOX/EQUIPMENT.

2. DEMOLITION:

.1 COORDINATE WITH CLIENT FOR ANY/ALL SYSTEM SHUTDOWNS DURING THE DEMOLITION OR CONSTRUCTION PHASE OF CONTRACT FOR COORDINATION PURPOSES. ALLOW FOR ALL REQUIRED SHUTDOWNS TO BE PERFORMED OUTSIDE OF NORMAL WORKING HOURS. SHUTDOWN OF SYSTEM TO BE RE-ENERGIZED AND FULLY OPERATIONAL AT THE END OF SAME DAY'S WORK SHIFT.

.2 PROVIDE ALL TEMPORARY SERVICES THROUGHOUT DEMOLITION AND CONSTRUCTION OF CONTRACT AREA. THESE TEMPORARY SERVICES INCLUDE POWER, LIGHTING AND FIRE ALARM COVERAGE WHERE REQUIRED. TEMPORARY SERVICE WILL MEET ALL GOVERNMENT AUTHORITIES' REQUIREMENTS. WHERE TEMPORARY FIRE ALARM DEVICES ARE REQUIRED, THE CONTRACTOR WILL INCLUDE THE COST OF VERIFICATION OF THE TEMPORARY DEVICES UPON INSTALLATION AND REMOVAL OF THESE TEMPORARY SERVICES.

- .3 ALL TEMPORARY SYSTEMS ARE TO BE REMOVED AT THE END OF THE CONTRACT.
- .4 WHERE EXISTING EQUIPMENT IS TO BE REMOVED, THE DEVICE, DEVICE BOX, RACEWAY AND WIRING BACK TO THE PANEL TO BE REMOVED UNLESS OTHERWISE NOTED. REUSE EXISTING BREAKERS FOR NEW CIRCUITING, PLACE ALL FREED UP BREAKERS IN 'OFF' POSITION.
- .5 WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTEND EXISTING FEEDERS AND BRANCH CIRCUITS AS REQUIRED. PROVIDE JUNCTION BOXES AT CEILING LEVEL FOR BRANCH CIRCUIT WIRING EXTENSION COMPLETE WITH TERMINAL BLOCKS AND CIRCUIT NUMBER IDENTIFICATION.
- .6 EQUIPMENT SHOWN AS "EXISTING TO REMAIN", IS TO BE VERIFIED WITHIN FIVE (5) DAYS FOLLOWING START OF DEMOLITION. ELECTRICAL CONTRACTOR IS TO CONTACT CONSULTANT IN EVENT OF MALFUNCTIONING EQUIPMENT. ALL EQUIPMENT SHOWN AS "EXISTING TO REMAIN" MUST BE FUNCTIONAL BY END OF CONSTRUCTION PERIOD.
- .7 MAINTAIN ALL CIRCUITS TO ALL DEVICES AND EQUIPMENT OUTSIDE CONTRACT AREA. WHERE CIRCUITS AFFECT OUTSIDE CONTRACT AREA FOR PANELS BEING RELOCATED, SCHEDULE SHUTDOWN WITH BUILDING OWNER AND TENANT. SHUTDOWN TO BE AFTER HOURS. WHERE A SYSTEM HAS BEEN ACCIDENTALLY CUT OFF, NOTIFY ENGINEER AND OWNER, AND REINSTATE IMMEDIATELY.
- .8 REMOVE OR RELOCATE LIGHT FIXTURES AS INDICATED. WHERE FIXTURES ARE TO BE RELOCATED, EXTEND WIRING AS REQUIRED SAME AS EXISTING FROM EXISTING CIRCUIT.
- .9 DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS AND/OR CEILINGS SHOWN TO BE DEMOLISHED UNLESS OTHERWISE NOTED. REMOVE ALL RELATED CONDUIT AND RACEWAY BACK TO SOURCE. WHERE POSSIBLE REUSE EXISTING CIRCUITS FOR NEW LAYOUT.
- .10 WHERE DEVICES TO BE REMOVED ARE LOCATED IN PARTITIONS TO REMAIN, REMOVE DEVICE AND WIRING BACK TO LAST DEVICE/EQUIPMENT TO REMAIN. ABANDON RECESSED BACK BOXES AND CONDUIT. PROVIDE A SUITABLY SIZED BLANK COVER PLATE, COLOR AND MATERIAL TO MATCH TENANT STANDARD AS REQUIRED, UNLESS OTHERWISE NOTED.
- .11 ENSURE INTEGRITY OF ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN IS MAINTAINED. RECONNECT ANY EQUIPMENT / DEVICE INADVERTENTLY DISCONNECTED.

- .12 REMOVE ALL TELEPHONE/DATA CONDUITS BACK TO SOURCE AS SHOWN ON DRAWINGS. REMOVAL OR RELOCATION OF I.T. EQUIPMENT AND WIRING BY CLIENT. CONTRACTOR TO COORDINATE WITH I.T. EQUIPMENT INSTALLER FOR INSTALLATION OF SERVICES.
- .13 ALL EQUIPMENT TO BE REUSED IS TO BE CLEANED OF DUST, PLASTER, PAINT, ETC., TO THE SATISFACTION OF THE ENGINEER. PROVIDE ADEQUATE STORAGE FOR ALL EQUIPMENT TO BE REUSED IN
- .14 IDENTIFY ANY/ALL EXISTING LOADS TO REMAIN ON PANEL DETAILS. UPDATE AFFECTED PANEL
- 15. TURN OVER REMOVED FUNCTIONAL EQUIPMENT/DEVICES TO OWNER AS DIRECTED ON SITE BY OWNER. OBTAIN SIGNED RECEIPT FROM OWNER.
- .16 REMOVE AND PROVIDE TEMPORARY SUPPORT TO ANY EXISTING DEVICES INSTALLED IN CEILING TILES OR ANYWHERE ELSE IN THE CONTRACT AREA. REINSTALL DEVICES IN NEW CEILING TILES. DO NOT DISCONNECT THESE DEVICES PERMANENTLY. TEMPORARY DISCONNECTION FOR REMOVAL ONLY WITH OWNER'S PERMISSION. COIL WIRE AND SUPPORT DEVICE IN CEILING SPACE FOR REINSTALLATION ELECTRICAL CONTRACTOR.

3. TELEPHONE / DATA OUTLETS:

SCHEDULES ACCORDINGLY

.1 TELEPHONE DATA AND WIRING FITTINGS TO BE PROVIDED BY CLIENT.

.2 FOR TELEPHONE AND DATA, PROVIDE DOUBLE-GANGED BOX C/W SINGLE-GANGED PLASTER RING, END BUSHINGS, PULL CORDS AND DUAL CHANNEL LEGRAND 2400 SERIES WIREMOLD RACEWAY c/w ALL REQUIRED PRODUCT ACCESSORIES OR OUTLET ADAPTERS TO BE INSTALLED AS INDICATED. VOICE AND DATA BOXES ARE CLIENT SUPPLIED.

.3 CABLING AND TERMINATIONS TO BE PROVIDED BY CLIENT.

LOAD AND UPDATE PANEL SCHEDULE TO SUIT.

4. DISTRIBUTION:

.1 EXISTING DISTRIBUTION PANEL CIRCUIT AVAILABILITY IS UNKNOWN. CONTRACTOR TO PROVIDE THREE SEPARATE UNIT PRICES FOR CIRCUITS REQUIRED FOR PROJECT BASED ON THE 3 BELOW SCENARIOS:

- 1. SPARE BREAKERS ARE AVAILABLE IN EXISTING DISTRIBUTION PANEL. USE EXISTING SPARE BREAKERS FOR NEW
- 2. PANEL HAS SPACE BUT NO SPARES. PROVIDE A TWO POLE 25A-300MA RCBO ON SPARE DIN RAIL. ADJACENT TO NEW 25A RCBO, PROVIDE THREE, 2 POLE 16A - 30MA RCBO BREAKERS FOR NEW CIRCUITS
- 3. PANEL HAS NO SPARE BREAKERS AND NO SPACES. REMOVE 3 BREAKERS (PHASE A,B AND C) TO PROVIDE A NEW 3 PHASE BREAKER AND NEW 3 PHASE SUBPANEL COMPLETE WITH 3 CIRCUITS TO SUIT THE ABOVE LOAD REQUIREMENTS, AND 3 SPARE BREAKERS. RELOCATE CONDUIT AND WIRING FROM THE REMOVED BREAKERS AND CONNECT TO NEW SUBPANEL. COORDINATE EXACT LOCATION ON SITE FOR NEW SUB-PANEL, CARRY COST FOR A DISTANCE OF 30 METRES FROM EXISTING DISTRIBUTION PANEL TO NEW PANEL.
- .2 WHERE CHANGES ARE MADE TO EXISTING PANELBOARD CIRCUITS, UPDATE LEGEND TO SUIT. PROVIDE TYPED DIRECTORY FOR PANELBOARD LEGEND.
- .3 PROVIDE ENGRAVED PLASTIC (PHENOLIC) PANELBOARD LABELS, SIZE 7 BLACK WITH WHITE LETTERS, FOR ALL AFFECTED PANELBOARDS.
- .4 ALL CIRCUITS SHOWN ON DRAWINGS ARE FOR QUANTITY PURPOSES ONLY. VERIFY CIRCUIT AVAILABILITY
- .5 PROVIDE TWO (2) KEYS FOR EACH PANEL AND ALL NEW PANELS TO BE KEYED ALIKE.
- .6 PROVIDE ENGRAVED PLASTIC (PHENOLIC) PANELBARD ID LABELS, 20mm BLACK WITH WHITE LETTERS, FOR ALL PANELBOARDS.

5. LOCAL DEVICES:

- .1 TOGGLE SWITCHES TO BE RATED 20A, 230V MODEL (LOCAL IEC APPROVED EQUIVALENT).
- .2 TWO-WAY TOGGLE SWITCH TO BE RATED 20A, 230V, MODEL TO BE LOCAL, IEC APPROVED, EQUIVALENT COULOR WHITE.
- .3 TWO GANG RECEPTACLES TO MATCH EXISTING TO BE 16A 230V, MODEL TO BE IEC APPROVED. COLOR: NORMAL POWER WHITE, CLEAN POWER RED.
- .4 PROVIDE NEW COVERPLATES AS REQUIRED.
- .5 AT END OF CONSTRUCTION PROVIDE BLANK COVERPLATES FOR ALL OPEN BACK BOXES. COVERS TO BE SIZED AS REQUIRED. COVERPLATES TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
- .6 PROVIDE ENGRAVED PLASTIC (PHENOLIC) LABEL FOR ALL DEDICATED OUTLETS INDICATING " DEDICATED CIRCUIT"
- .7 ALL OUTLET BOXES PENETRATING VAPOR BARRIERS SHALL BE PVC TYPE C/W NEOPRENE GASKETS APPROVED TO MAINTAIN INTEGRITY OF VAPOR BARRIER. PROVIDE SHOP DRAWING OF PRODUCT. WHERE NECESSARY PRE-DRILL OUTLET BOX TO ACCEPT CONDUIT AND SEAL WITH SILICONE.
- .8 MOUNTING HEIGHTS FOR POWER REQUIREMENTS IN MILLWORK, TO BE COORDINATED WITH MILLWORK DRAWINGS OR OTHERWISE AS FOLLOWS;

SYSTEM	PRIMARY COLOUR / SECONDARY COLOUR
LOCAL SWITCHES	1200mm
WALL RECEPTACLES	
GENERAL	400mm
ABOVE COUNTER	150mm
TELEPHONE:	
GENERAL	TO MATCH EXISTING
WALL MOUNT	1525mm
EMERGENCY LIGHTING HEADS	1830mm

6. IDENTIFICATION:

PUSH BUTTON: WALL MOUNT

.1 PROVIDE ENGRAVED PLASTIC (PHENOLIC) LABELS FOR ALL EXISTING AND NEW DEVICES (INCLUDING EXIT

800mm

- LIGHTS) IN CONTRACT AREA INDICATING CIRCUIT AND SOURCE EQUIPMENT. INDICATE IF CIRCUIT IS DETECTED. - NORMAL POWER CIRCUITS - BLACK LETTERING OVER WHITE. (OR MATCH EXISTING) UPS POWER CIRCUITS - GREEN LETTERING OVER WHITE. (OR MATCH EXISTING)
- FIRE ALARM RED LETTERING OVER WHITE. (OR MATCH EXISTING, APPLIES TO BREAKER SERVICING FIRE ALARM ALSO)

7. SHOP DRAWINGS:

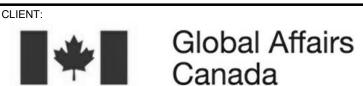
.1 PROVIDE SHOP DRAWINGS \ CATALOGUE CUTS OF ALL PROJECT EQUIPMENT AND DEVICES PRIOR TO

.2 REFER TO CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.

RE-ISSUED FOR CONSTRUCTION 08/02/22 ISSUED FOR CONSTRUCTION 17/09/20 ISSUED FOR 66% CLIENT REVIEW 15/04/20 ISSUE / REVISION DD/MM/Y

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.



CONSULTANT:

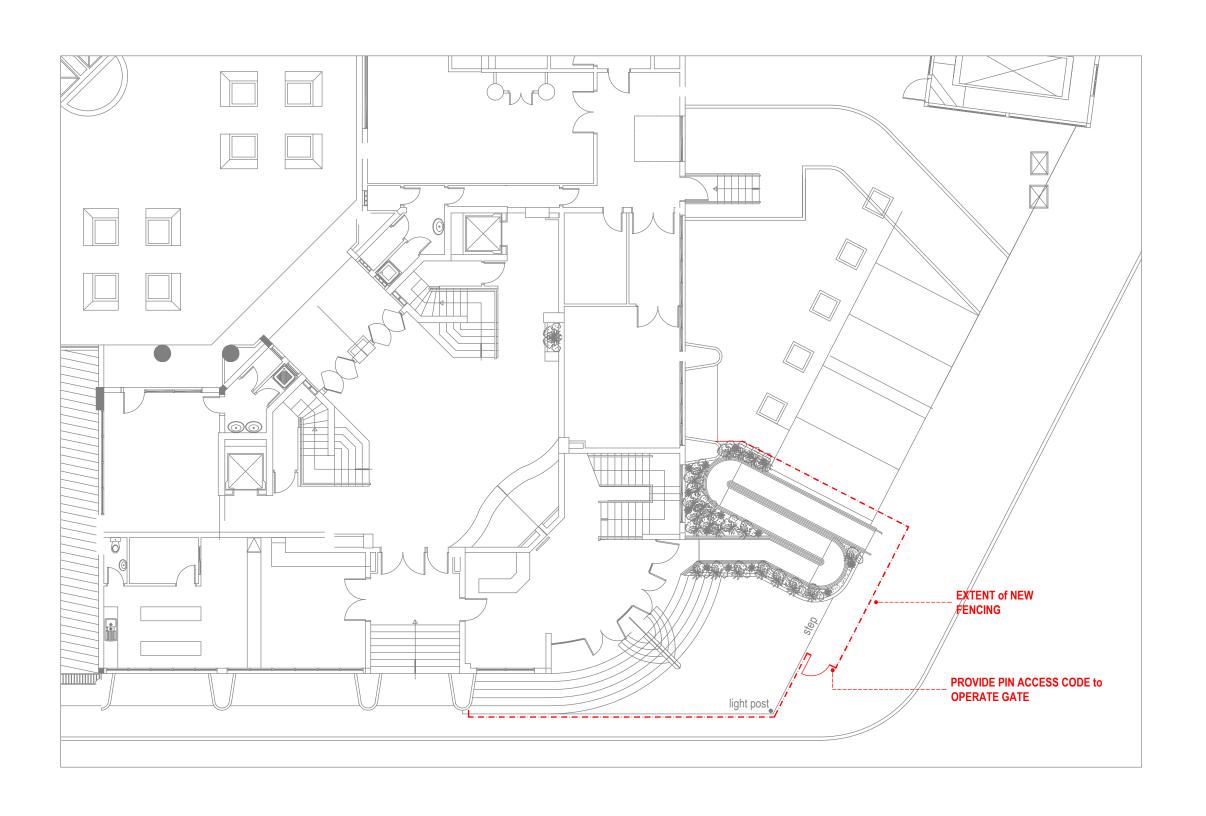
PROFESSIONAL STAMP PROJECT NORTH

GLOBAL AFFAIRS CANADA LOBBY PHYSICAL SECURITY UPGRADES FOR THE CANADIAN CHANCERY

Rue Du Mal Gallieni, Dakar, Senegal

ELECTRICAL SPECIFICATIONS

DRAWING #: CHECKED: NR 28361-007



REVIEW SIDEWALK CLEARANCE and

HANDRAIL ARRANGEMENT

LANDING at BASE of STAIR

EXISTING STEP and DELINEATION of BASEMENT BELOW





