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Starlight

RED SL LP 401 The West Malt, Suite 1100 Toronto, Ontario, M9C 5J5 ROYAL BANK 29 King Street West Toronto, Ontario M5H 1C4 1069 20130815 DATE YYYYHODD

\*\*\*\* NINE THOUSAND THREE HUNDRED FIFTY SEVEN AND 43/100 DOLLARS PAY TO THE ORDER OF

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Enerplan Building Consultants 69 Judson Street Toronto, CN MBZIA4 Huten Bauer

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RED SL LP 401 The West Mail, Suite 1100 Toronto, Ontario, M9C 5JS ROYAL BANK 20 King Street West Toronto, Ontario M5H 1C4

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\*\*\*\* SIXTEEN THOUSAND FIVE HUNDRED FOUR AND 35/100 DOLLARS PAY TO THE ORDER OF

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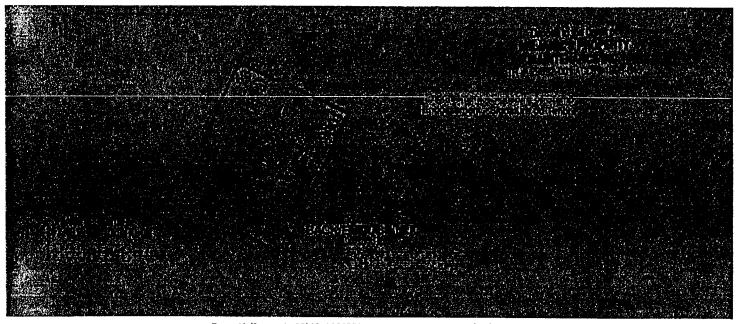
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\*\*\*\* ONE HUNDRED SEVENTY FIVE THOUSAND ONE HUNDRED TWENTY THREE AND 20/100 DOLLARS PAY TO THE ORDER OF

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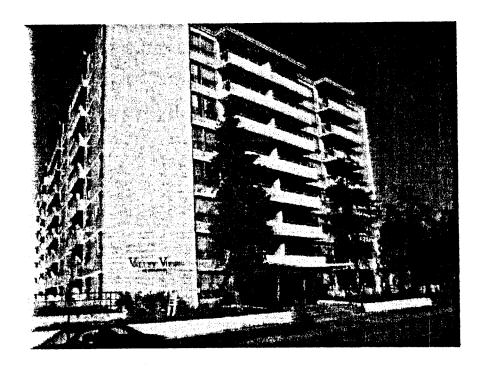
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Transit/Account:06012-1034578 Processing Date:2013/08/15 Amount:175123.20 Item Sequence No:3300256171





320 Woolwich St. S., Breslau, ON NOB 1M0 • Tel: 519-648-3526 • Fax: 519-648-3165 • Email: info@pretiumeng.com



# Property Condition Report 165 Ontario St. St. Catharines, Ontario

Prepared for:



5310 Explorer Drive Mississauga, ON L4W 5H8

Attention: Mr. Daniel Drimmer, M.A., M.B.A.

July 24, 2008

Project: 80-13-089426







# 2.2.3. Balconies

# Description

Deck and a second					
Structure	Front and rear - cantilevered reinforced concrete slabs				
	Sides – partially cantilevered reinforced concrete slabs				
Waterproofing	None				

Guards					
Description	Steel frames with solid panels at front and vertical steel pickets at sides				
Anchors	Cast into slabs				
Photographs:	B22, B23, B24, B25, B26, B27				

#### **Observations**

- 1. Delamination and spalling was observed on the top sides of approximately 10% of the balcony slabs.
- 2. Narrow cracks on the top of the balcony slabs running perpendicular to the building were typical. There was generally little evidence of water movement through the cracks. The cracking appears to be positioned at the steel reinforcement and is likely thermally induced.
- 3. Evidence of previous repairs was observed on the balcony slabs. It was reported that the repairs took place in 2000.
- 4. The slab soffits have cast drip edges. Peeling paint was observed at the edges and on many balconies past the drip edges to approximately 12" from the edge.
- 5. The balcony guards are approximately 42" in overall height. The tops of panels are approximately 33-1/2" in height and the opening between the panel and the top rail is approximately 8". The picket spacing at the sides of the guards is 5". The guards are considered climbable (36" minimum to top of panel) and the picket spacing and opening at the top rails exceeds the allowable size (4").
- 6. The paint finish on the guards and privacy panels is weathered and peeling. Surface corrosion was observed throughout and severe corrosion was noted in a few locations.

# **Discussion and Recommendations**

The balcony decks were generally in fair to good condition. The cracks appear to be at the reinforcing steel. They appear to be thermally induced. The cracks are not a structural concern at this time. Repairs to the spalled areas should be completed. The cracks should be routed and sealed in the near future. If left as-is, concrete deterioration will continue and extensive repairs will eventually be required. Consideration could be given to waterproofing the balcony slab subsequent to the concrete repairs.

80-13-089426



The balcony guards are in fair structural condition. Repairs and refinishing the guards will be required in the near future. The guards do not meet the dimensional requirements of the current Building Code. Complete replacement of the guards is at the discretion of the Owner, but should be considered.

The lower panel on the guards covers the balcony slab edges. This will trap debris and moisture and lead to accelerated deterioration of the guard panel and balcony slab. Modifying or completely replacing the guards could be considered.

# 2.3. Roof Systems

### Main Roof

Location	Main
Type	Flat
Estimated Age	20 years
System	Conventional (membrane above insulation)
Protection	Pea gravel
Membrane	Multi-ply built-up asphalt/felt membrane
Insulation	Unknown
Vapour Retarder	Unknown
Deck	Concrete slab
Drainag <b>e</b>	4 internal drains
Flashing	Painted metal
Photographs:	B28, B29, B30, B31, B32, B33

### Observations 5 4 1

- 1. No destructive testing was conducted; therefore, the exact composition of the roof assembly is unknown.
- 2. The main roof is divided into two sections by a roof curb.
- 3. The west end of the roof and the Penthouse roof appear to be older. Ponding, scouring, patching, exposed felts and blisters were observed.
- 4. Evidence of water leakage was observed on the corridor and suite ceilings at the west end of the building. Evidence of water leakage was also observed at the expansion joint.
- 5. The balance of the roof appeared to be in better condition, although it appears to be approaching the end of its useful life.
- 6. There is an expansion joint on the roof. The flashings at the joint are in poor condition and are debonded at laps in the flashing.
- 7. The masonry chimney has been repaired. The repairs used mismatched brick units wherein two different colours of brick were used.



The operable windows throughout the building are not equipped with limiting devices. Although in some jurisdictions retrofitting existing buildings is not required, Pretium recommends that windows greater than 2 metres above grade be limited to opening no more than 4 inches (as per current Code requirements). The installation of limiting devices is recommended but optional.

The wood balcony doors and frames should be refinished in the near future. The more severely damaged doors should be replaced.

The wood garage doors should be refinished in the near future.

The garage emergency exit doors should be replaced immediately.

A phased sealant replacement program is recommended. The sealants on the south elevation require replacement in the near future. The sealants at the north and east elevations have some remaining life.

# 2.5. Exterior Walls / Building Envelope

## Description

Location	Main  Single wythe of glazed clay brick backed with a single wythe of concrete block masonry spanning between the exposed floor slabs.			
Exterior				
Insulation	Unknown			
Vapour Retarder	Unknown			
Interior Finish	Plaster			
Photographs	B40, B41, B42, B43, B44			

#### **Observations**

- 1. The extent and type of insulation within the wall is unknown, but given the age of the buildings it is likely to be no more than 1 to 2 inches of rigid EPS type insulation, or a 3-1/2" thick batt of fiberglass insulation. The existence of a vapour retarder within the wall system is unknown.
- 2. The east and a small section of the north elevations have a continuous brick wall that appears to be supported at each floor level by a steel shelf angle. Stains from corroding steel were observed at the floor level. Localized deterioration of the mortar joints at the shelf angle was observed.
- 3. Localized brick spalling was observed. The spalling was limited to a few small areas on the building. Larger areas of spalled brick were observed on the exterior parking garage walls.
- 4. A vertical crack spanning most of the height of the building was observed at the south-east corner of the building.
- 5. Extensive brick replacement has been completed at the chimney. The replacement bricks do not match the original brick in colour or texture.

80-13-089426



- 6. Sealants have been installed at the tops and bottoms of the floor slabs on the west elevation.
- 7. Efflorescence was observed on the interior of the Penthouse walls.
- 8. Staining was observed under the windows throughout the building.
- 9. The paint finish on the exposed concrete floor slabs and shear walls is weathered and peeling.

# **Discussion and Recommendations**

The exterior masonry walls at the east end of the building are supported at each floor level by a steel shelf angle. Staining and mortar joint deterioration indicate that the steel shelf angles are corroding. The corrosion does not appear to be a structural concern at this time; however, the corrosion can eventually result in problems with brick spalling or shelf angle strength diminution.

In the short term, the cracks in the brick mortar joints should be repaired. Areas with loose bricks should be repaired immediately due to the hazard they present. Application of a water repellant or breathable coating could be considered. These actions will minimize water ingress and the rate of corrosion of the shelf angles.

The condition of the shelf angles should be monitored periodically. Notwithstanding the work identified above, the shelf angles will continue to corrode.

Repairs to the spalled bricks on the garage walls are recommended. The garage walls are subject to more freeze-thaw cycles than the building's walls, due to the fact that they are not heated on the inside. This results in accelerated deterioration of the bricks. Application of an insulated cladding system could be considered.

Efflorescence on the interior of the Penthouse walls indicates that water is penetrating the walls. Application of a breathable coating or cladding system could be considered.

The crack at the south-east corner of the building appears to be thermally induced and is not a structural concern. The crack should be sealed to prevent water ingress. The crack should be monitored and any loose masonry removed due to the hazard it would present.

The sealants at the tops of the floor slabs on the west elevation will trap moisture within the wall. They should be removed.

Consideration should be given to refinishing the exposed slab edges and shear walls. This is a cosmetic repair and is at the discretion of the Owner.

80-13-089426



# **Grgas Associates Limited**

STRUCTURAL RESTORATION
BUILDING SCIENCE
PROJECT MANAGEMENT
DUE DILIGENCE INSPECTIONS
ROOFING AND THERMOGRAPHY
BUILDING CONDITION ASSESSMENTS

# 165 ONTARIO STREET ST. CATHARINES, ONTARIO 2012 EXTERIOR CLADDING REPAIRS

# GENERAL CONTRACT DOCUMENTS AND SPECIFICATIONS

ISSUED FOR TENDER

# PREPARED FOR:

MR. KEN SHELLEY – PROJECT MANAGER STARLIGHT INVESTMENT MANAGEMENT 401 THE WEST MALL, SUITE 1100 TORONTO, ONTARIO M9C 5J5

**GRGAS** PROJECT #09039.06 ISSUED: JULY 19, 2012

#### Part 1 General

# 1.0 GENERAL

.1 The provisions of The Contract Conditions, Division 0 – Contract Documents, Division 1 - General Requirements, and all documents referred to therein form part of and apply to this Section.

# 1.1 WORK INCLUDED

- .1 Provide all labour, materials, equipment and services necessary to carry out the work outlined in this section.
- .2 Painting of exterior masonry units or other exterior concrete surfaces.

# 1.2 RELATED WORK

.1 Section 01040:

Co-ordination

.2 Section 01701:

Cleaning

# 1.3 REFERENCE STANDARDS

- .1 Reference Standards shall be latest edition including all amendments.
- .2 Painting to CAN2-85.100

# 1.4 SAMPLES

.1 Provide sample of paint to be used on panels of same material on which finishes appear on job (show all coats).

# 1.5 DELIVERY AND STORAGE

- .1 Deliver and store material on site in Manufacturer's sealed and labeled containers.
- .2 Protect latex material from freezing.
- .3 Maintain stored material at a temperature of 8 °C or more.
- .4 Keep stored materials covered at all times and take necessary precautions against fire hazards and spontaneous combustion.

# 1.6 **JOB CONDITIONS**

.1 Minimum exterior/ambient working temperature for painting shall be 10 °C.

#### 1.7 PROTECTION

- .1 Use sufficient drop cloths and protective coverings to protect floors, furnishings and work of others not being painted including surfaces within the storage and preparation area.
  - .1 Make good any damage caused by painting activity.
- .2 Areas assigned for storage and preparation of materials shall be fully protected.
- .3 Keep waste rags in metal drums containing water and remove from building at end of each working shift.

# 1.8 ENVIRONMENTAL REQUIREMENTS

- .1 The temperature and moisture content of all the surfaces shall conform to the ratings given in the CPCA manual (Canadian Painting Contractor's Association).
- .2 All areas where painting and decoration work is proceeding require adequate continuous ventilation and sufficient heating facilities to maintain temperature above 10 °C for 24 hours before, during and 24 hours after paint application.
- .3 Do not paint where there is dust in the air.
- .4 Provide adequate illumination on surfaces being painted.

# 1.9 **OUALIFICATION**

- .1 Qualification of applicators: This Contractor shall have a minimum of five (5) years proven satisfactory experience.
  - .1 This Contractor shall maintain a qualified crew of painters throughout duration of the work who shall be qualified to fully satisfy the requirements of this specification.
  - Only qualified journeymen shall be engaged in painting and decorating work and have a provincial tradesmen qualification certificate of proficiency.

# 1.10 PERFORMANCE REQUIREMENTS

- .1 Provide five-(5) year warranty against defects in materials and workmanship, under provisions of Section 01712 Take-Over.
- .2 Provide five-(5) year manufacturer's warranty against defects in materials, under provisions of Section 01712 Take-Over.
- Warranty: Include coverage of repair and replacement of product which fails to stay in place or which ages or deteriorates abnormally.
  - .1 Remove and replace defective work at no cost to Owner.
- .4 The painting performed under this Contract shall satisfy the following requirements:
  - .1 The paint shall not debond or peel off from the substrate it is applied to.
- .5 The paint shall not crack, mark, bubble or wear unduly under normal maintenance.
- The five-(5) year period notwithstanding, general appearance and colour of the paint shall have satisfactory ratings [seven (7) or higher, according to ASTM D713 after three (3) year of service].

# 2.0 PRODUCTS

# 2.1 APPROVED PRODUCTS

- .1 Dur-X-Cel 100 Exterior Grade Acrylic Latex Paint as manufactured by Durabond Products Limited or approved equal.
- .2 Dur-X-Cel Primer as manufactured by Durabond Products Limited or approved equal.
- .3 All paints shall be first line, first quality products.

Page 4

- .4 The same brand of paint chosen shall be used throughout, except where specified otherwise.
- .5 Paint colours may be selected from any standard colouring system (e.g. paint sample chips, baked enamel colour) and shall be matched by the Paint Supplier.

## 2.2 MATERIALS

- .1 Paints, enamels, fillers, primers and stains: Ready mixed products of one of the manufacturer's listed above.
  - .1 Substitutes will not be allowed.
- .2 Thinners, Cleaners: Type and brand recommended by the paint manufacturer.
- .3 Materials to be new and first line of manufacturer.
- .4 Paint shall have good flowing and brushing properties and shall dry or cure free of streaks or sags, to yield the desired finish specified.

# 3.0 EXECUTION

### 3.1 PREPARATION

- .1 Perform painting and decoration work in accordance with the standards and requirements incorporated in the Canadian Painting Contractor's Association Manual, latest edition.
- .2 Clean all surfaces prior to painting.
  - .1 Remove all surface contaminants such as oil, grease, dirt, foreign matter, rust, mold, mildew, mortar, efflorescence and loose paint to ensure sound bonding.
  - .2 Power-wash surfaces to be painting with minimum 2500 psi pressure at the nozzle.
- .3 Completely remove all previous paint, which is not suitable for application of new paint.

Page 5

- .4 Follow all other manufacturer's recommended cleaning, surface preparation and application procedures.
  - .1 Follow most stringent criteria as decided by Consultant.
- .5 Mask surfaces not being painted to obtain uniform termination.
- .6 Remove all electrical plates, surface hardware, fittings and fastenings prior to painting operations.
  - .1 Carefully store, clean and replace upon completion of work in each area.
- .7 Mask specification plates present on equipment, switch boxes and similar items requiring painting.
- .8 Protect, remove and replace hardware, accessories, lighting fixtures and similar items as required.
- .9 Check surfaces with electric moisture meter and do not proceed with paint application if meter reading is higher than 12-15 without written permission from Consultant.

# 3.2 APPLICATION

- .1 Ensure surfaces to receive paint are sufficiently dry.
- Apply materials in strict accordance with manufacturer's directions and specifications unless otherwise specified in this document and be familiar with those directions and specifications.
  - .1 Do not use adulterants.
- .3 Method of paint application shall be roll-on, sufficient to fill all voids in existing surfaces and provide uniform appearance.
- .4 Where more than one coat of the same paint is to be applied, tint the first coat to differentiate from the final coat.
- .5 Exterior paints shall be factory tinted to required colours to match the existing or Owner's requirements.

- .6 Paints shall be uniform in sheen, colour and texture and free from brush or roller marks, sags, runs or other defects.
- .7 Finish and number of coats specified are intended to cover surfaces completely.
  - .1 If they do not, apply further coats until complete coverage is achieved to Consultant's approval.
  - .2 Do not over apply paint.
- .8 Any areas exhibiting incomplete or unsatisfactory coverage shall have the entire plane painted.
  - .1 Patching will not be accepted.
- .9 Ensure wet paint is protected after application.
- .10 Flammable rubbish, cotton waste, cloths and material, which may constitute a fire hazard, shall be placed in closed metal containers and removed daily from the site.
- .11 Protect all signs attached to the wall indicating reserved parking from being painted.
  Uncover and clean when painting has been completed.
- .12 Supply paint with one coat of primer and two-(2) finish coats of 3 mils minimum dry film thickness per coat using approved application methods and of uniform shade.
  - .1 Additional coats may be required at Contractor's expense to provide a uniform finish due to porosity of surface to receive paint.
- .13 Contractor to follow manufacturer's recommended application procedures as modified by this specification.

# 4.0 INSPECTION AND TESTING

- .1 All surfaces must be inspected and approved by the Consultant just prior to each coat.
- .2 All work found not to be in accordance with these Specifications shall be removed and installed at no extra cost to the owner.

# **END OF SECTION**

Grgas

# PRODUCT DESCRIPTION:

DUR-X-CEL 100 is a 100 % flat acrylic based paint.

#### **BASIC USES:**

DUR-X-CEL 100 is used as a premium quality paint for exterior masonry and concrete surfaces. DUR-X-CEL 100 can be pigmented to match almost any colour.

#### **ADVANTAGES:**

- exceptional exterior durability
- · excellent water repellency; protects wall from moisture penetration
- breathable coating; allows water vapour within the wall system to evaporate
- excellent adhesion to substrate
- abrasion resistant
- colourfast (no colour change under ultra-violet rays)

#### LIMITATIONS:

**DUR-X-CEL 100** is not recommended for use:

· over previously treated surfaces without proper preparation

- surfaces where oils and other contaminants are present
- · when ambient, surface and material temperatures are below 5°C (41°F) during application and curing
- under hot sun conditions nor under high humidity
- for 48 hours prior to, during and for minimum 24 hours after inclement weather conditions

#### **APPLICATION:**

DO NOT SUBSTITUTE NOR COMPENSATE **DUR-X-CEL 100 WITH WATER OR OTHER** ADDITIVES.

Substrate to be treated must be dry, clean and sound, free of weak and powdery surfaces, free from ice, snow, dew and frost, oil, grease and other deleterious materials detrimental to a positive bond.

Check with **Durabond Products Limited** for questionable surfaces.

Thoroughly stir DUR-X-CEL 100 in its' own pail before each use. Discard all frozen materials, materials which have formed solid lumps at the

# TECHNICAL DATA

# **Physical Properties:**

Product type: Water based acrylic coating

Appearance: Dense paint-like consistency

Viscosity: 10,000 to 15,000 cps

Ph level: 9.0 to 9.5 Toxicity: Non-toxic

# **Performance Characteristics:**

Please refer to Dur-X-Cel 50 data sheet in Group D for test results.

bottom of the container and materials which do not appear to be of a homogeneous viscosity. Using a 6.4 mm (1/4") pile roller dip roller into stirred pail of material. Apply the paint with several passes of the roller, evenly spreading the paint over the entire substrate surface. Allow a minimum of 24 hours for drying between coats.

#### CLEAN-UP:

Clean all tools promptly after each use with clean water. Do not allow paint to dry on tools. Durex Cleaning Solution CS-100 is available to aid cleaning of soiled areas where the DUR-X-CEL 100 has dried.

#### STORAGE:

Store DUR-X-CEL 100 in a dry, vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from rapid temperature changes, from dampness and moisture and away from direct sunlight.

KEEP FROM FREEZING.

# **PACKAGING:**

DUR-X-CEL 100 is packaged in 18.9 litre pails. DUR-X-CEL 100 is available in 28 standard colours. Custom colour matching is available upon request at a slight additional charge.

#### **COVERAGE:**

Coverage will vary according to the porosity of the substrate, colour of original substrate and colour of the DUR-X-CEL 100 to be applied.

Average coverage:

one coat: 5.6 m2/L (1200 ft2/pail) two coats: 3.9 m2/L (800 ft2/pail)

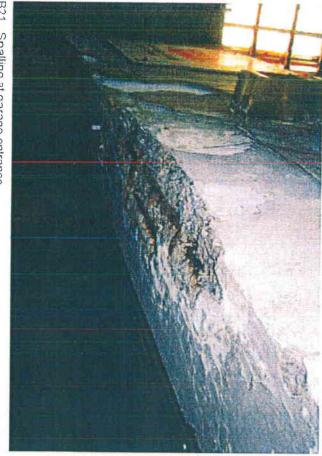
A TEST SAMPLE SHOULD BE APPLIED TO ESTABLISH PRACTICAL COVERAGE ON THE ACTUAL SUBSTRATE.

#### WARRANTY:

**Durabond Products Limited fully warrants** their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Durabond's responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

#### **TECHNICAL SERVICES:**

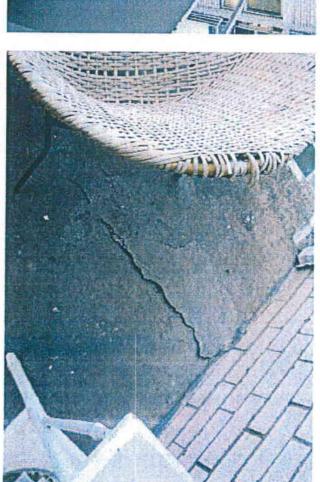
Technical assistance for unique applications and design is available upon request from Durabond **Products Limited.** 



B21. Spalling at garage entrance.

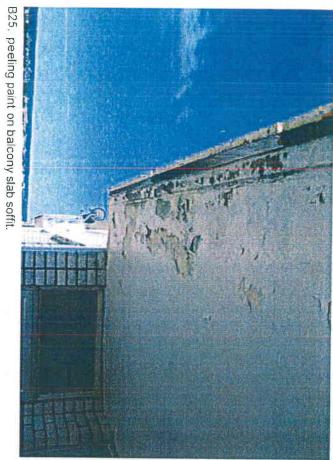


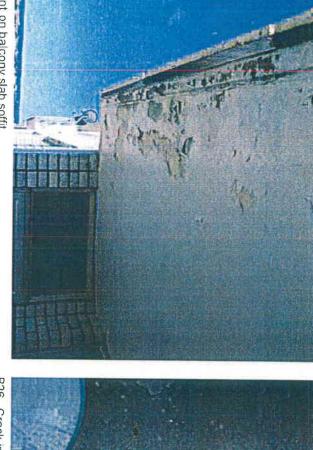
B22. Typical balconies.



B24. Delaminated concrete on balcony slab at previous repair.

B23. Typical balcony.





B26. Crack in balcony slab.



B28. Overview of roof.

B27. Peeling paint and corrosion on balcony guard and privacy panel.





