SAMPLE DRAWING FOR TYPICAL DETAILS OF FREE STANDING GLASS BALUSTRADE

GENERAL NOTES

1. THE DESIGN AND CONSTRUCTION OF GLASS BALUSTRADE IS IN ACCORDANCE WITH THE BUILDING (CONSTRUCTION) REGULATION, HONG KONG.
2. THE MINIMUM HORIZONTAL IMPOSED LOAD ON PROTECTIVE BARRIERS IS (*STATE THE CATEGORY) IN ACCORDANCE WITH THE CODE OF PRACTICE FOR DEAD AND IMPOSED LOADS 2011.
3. THE WIND LOAD ON GLASS BALUSTRADE IS IN ACCORDANCE WITH THE CODE OF PRACTICE ON WIND EFFECTS IN HONG KONG 2019.
4. THE LOCATION OF GLASS BALUSTRADE AS SHOWN IN THIS SUBMISSION SHOULD BE READ IN CONJUNCTION WITH THE LATEST GENERAL BUILDING PLAN APPROVED ON (*DATE OF GBP APPROVAL).
5. STRUCTURAL INFORMATION FOR THE PARENT STRUCTURE SHOULD BE READ IN CONJUNCTION WITH THE LATEST STRUCTURAL PLAN APPROVED ON (*DATE OF STRUCTURAL PLAN APPROVAL).
6. PVC TAPE TO BE APPLIED BETWEEN DISSIMILAR METAL TO PREVENT BIMETALLIC CORROSION (*ALTERNATIVE SHALL BE PROPOSED IF APPLICABLE).

NOTES ON GLASS

1. THE DESIGN OF GLASS IS IN ACCORDANCE WITH THE CODE OF PRACTICE FOR STRUCTURAL USE OF GLASS 2018.
2. GLASS TO BE 15mm THK + 2.28mm PVB + 15mm THK LAMINATED TEMPERED GLASS (*ADJUSTMENT OF GLASS TYPE AND THICKNESS SHALL BE PROPOSED IF APPLICABLE).
3. (PROVISION OF ULTIMATE DESIGN STRENGTH OF GLASS, *STATE ONLY IF ITS STRENGTH DEVIATED FROM THE CODE)
4. (PROVISION OF THE TYPE AND FRITTED PATTERN OF GLASS PANE, *STATE ONLY IF APPLICABLE).
5. THE USE OF COMPOSITE ACTION FOR LAMINATED GLASS IS APPLIED (*STATE ONLY TOGETHER WITH THE BRAND NAME AND THICKNESS OF THE INTERLAYER MATERIAL IF APPLICABLE).
6. BD REFERENCE NO. FOR STRUCTURAL SEALANT (*STATE ONLY FROM THE CENTRAL DATA BANK IF APPLICABLE).

NOTES ON STRUCTURAL STEEL

1. THE DESIGN OF STRUCTURAL STEEL IS IN ACCORDANCE WITH THE CODE OF PRACTICE FOR STRUCTURAL USE OF STEEL 2011.
2. SCHEDULE OF MAJOR STRUCTURAL STEEL MEMBERS:

MEMBER MARK	GRADE	GENERAL DIMENIONS	THICKNESS

3. SURFACE TREATMENT SHALL BE HOT-DIP GALVANIZED COMPLYING WITH (*BS EN ISO 1461:2009 IF APPLICABLE). (MIN. THICKNESS = _____ MICRONS).

NOTES ON STRUCTURAL STAINLESS STEEL (IF APPLICABLE)

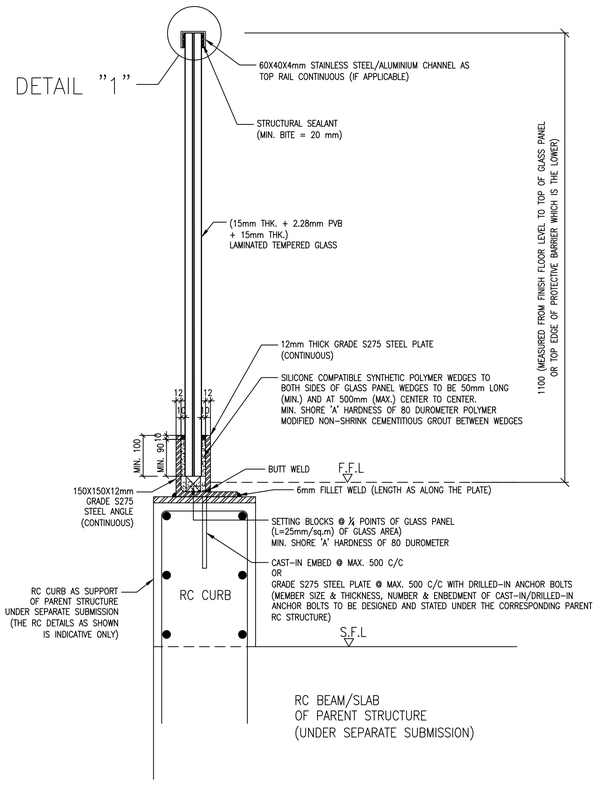
1. THE DESIGN OF STRUCTURAL STAINLESS STEEL IS IN ACCORDANCE WITH (*BS EN 10088, ASTM, JIS, AS/NZS, SCI PUBLICATION P291 WHICH IS APPLICABLE).
2. SCHEDULE OF MAJOR STRUCTURAL STAINLESS STEEL MEMBERS:

MEMBER MARK	GRADE	GENERAL DIMENIONS	THICKNESS

NOTES ON STRUCTURAL ALUMINIUM (IF APPLICABLE)

1. THE DESIGN OF STRUCTURAL ALUMINIUM IS IN ACCORDANCE WITH (*BS 8118 WITH MODIFICATION OF PARTIAL LOAD FACTOR FOR WIND LOAD IN ACCORDANCE WITH PNAP APP-53, BS EN 1999 WHICH IS APPLICABLE).
2. SCHEDULE OF MAJOR STRUCTURAL ALUMINIUM MEMBERS:

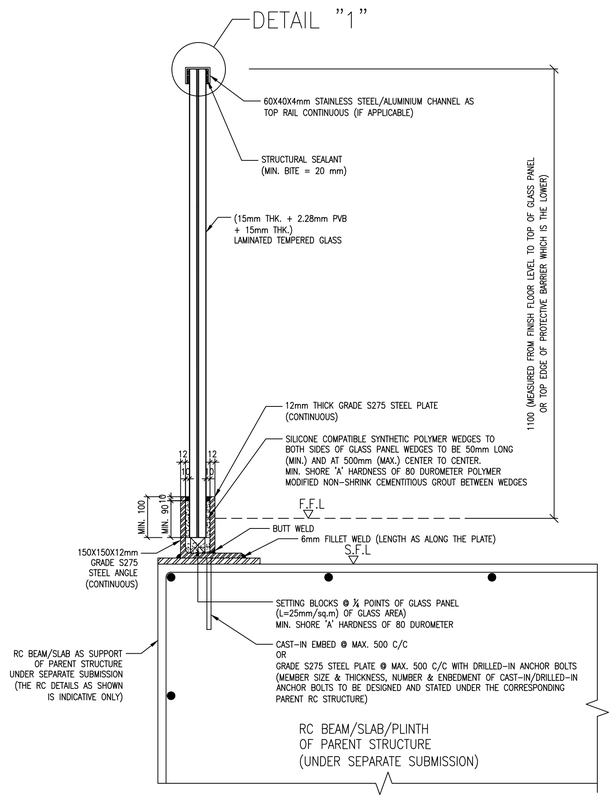
MEMBER MARK	GRADE	GENERAL DIMENIONS	THICKNESS



TYPICAL DETAIL OF FREE STANDING GLASS BALUSTRADE (FOR REST ON RC CURB)

(N.T.S.)

NOTES:
1.ALL SIZE, THICKNESS OF STRUCTURAL MEMBER AND GLASS TO BE ADJUSTED FOR GREATER HEIGHT OF BALUSTRADE OR ADDITIONAL LOAD ON GLASS IF NEEDED
2. BOLW-UP DETAILS SHOULD BE PROVIDED IF NECESSARY.



TYPICAL DETAIL OF FREE STANDING GLASS BALUSTRADE (FOR REST ON RC BEAM/SLAB/PLINTH)

(N.T.S.)

NOTES:
1.ALL SIZE, THICKNESS OF STRUCTURAL MEMBER AND GLASS TO BE ADJUSTED FOR GREATER HEIGHT OF BALUSTRADE OR ADDITIONAL LOAD ON GLASS IF NEEDED
2. BOLW-UP DETAILS SHOULD BE PROVIDED IF NECESSARY.

NOTES ON CAST-IN EMBEDS (IF APPLICABLE)

1. THE DESIGN OF CAST-IN EMBEDS IS IN ACCORDANCE WITH THE CODE OF PRACTICE FOR STRUCTURAL USE OF STEEL 2011, CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013 AND CS2:2012.
2. SCHEDULE FOR LOADING CAPACITY:

AXIAL LOAD (COMPRESSION)	AXIAL LOAD (TENSION)	SHEAR FORCE (X-DIRECTION), Vx	SHEAR FORCE (Y-DIRECTION), Vy	MOMENT (X-DIRECTION), Mx	MOMENT (Y-DIRECTION), My

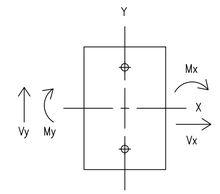
3. TEST LOAD OF HALFEN CHANNEL = _____ kN FOR TENSION AND _____ kN FOR SHEAR (IF APPLICABLE).

NOTES ON DRILLED-IN ANCHORS (IF APPLICABLE)

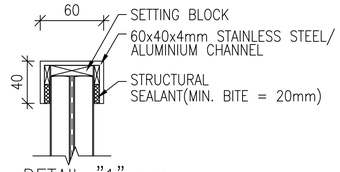
1. (*STATE THE DESIGN AND MATERIAL SPECIFICATIONS OF DRILLED-IN ANCHORS.)
2. (*STATE PRODUCT NAME, MODEL NO. AND BD REFERENCE NO. FROM THE CENTRAL DATA BANK).
3. SCHEDULE FOR DRILLED-IN ANCHORS:

ANCHOR TYPE	EMBEDMENT LENGTH	MIN. EDGE DISTANCE	MIN. SPACING	LOADING CAPACITY/ RECOMMNEDED LOAD	TEST LOAD

4. CONCRETE GRADE OF PARENT STRUCTURE = ____MPa.



SIGN CONVENTION OF EMBED



DETAIL "1" (1:3)

BD REF
BIM REF
FSD REF

REV.	DATE	AMENDMENT

PROJECT
SAMPLE

DRAWING TITLE
NOTES AND DETAILS OF FREE STANDING GLASS BALUSTRADE

SCALE

DRAWING NO. A001 REV. NO.

SORUCE

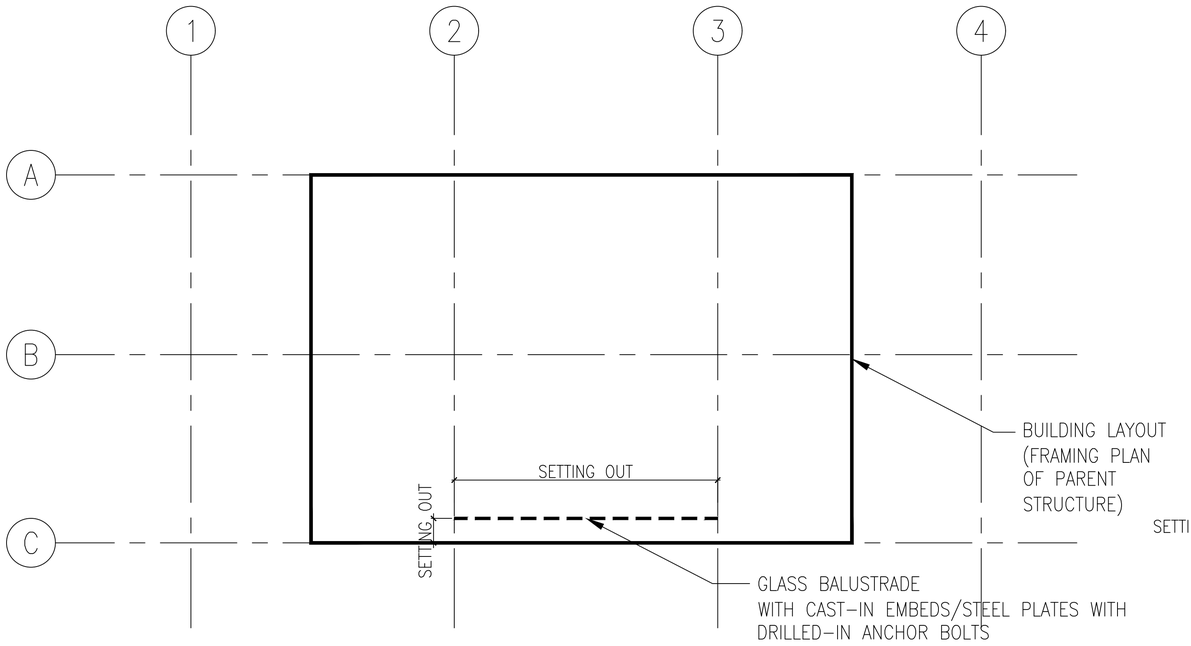
90mm(W) x 40mm(H) space for COMPANY LOGO

90mm(W) x 60mm(H) space for AP/RSE/RGE's signature/ and stamp chop

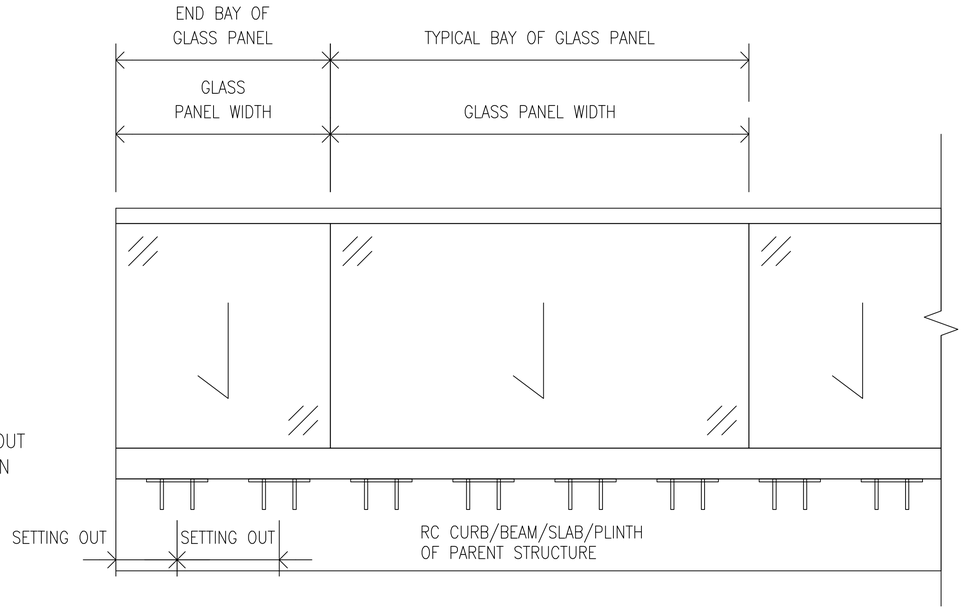
BD's OFFICIAL USE

90mm(W) x 150mm(H) space for BD's approval stamp/ certification of copies of approved plans (PNAP ADM-10 APP A)

SAMPLE DRAWING FOR TYPICAL DETAILS OF FREE STANDING GLASS BALUSTRADE



LAYOUT PLAN OF FREE STANDING GLASS BALUSTRADE



ELEVATION OF FREE STANDING GLASS BALUSTRADE

BD REF
BIM REF
FSD REF

REV.	DATE	AMENDMENT

PROJECT
SAMPLE

DRAWING TITLE
LAYOUT PLAN AND ELEVATION OF FREE STANDING GLASS BALUSTRADE

SCALE

DRAWING NO. A002 REV. NO.

SORUCE

90mm(W) x 40mm(H) space
for COMPANY LOGO

90mm(W) x 60mm(H) space
for AP/RSE/RGE's
signature/ and stamp chop

BD's OFFICIAL USE

90mm(W) x 150mm(H) space
for BD's approval stamp/
certification of copies of
approved plans
(PNAP ADM-10 APP A)