



DESIGN CRITERIA

AUTOMATIC FIRE SUPPRESSION SYSTEM (SPRINKLER):
 BCA E1.5, SPEC. E1.5a, AS 2118.1:2017.

NOTES:
 1. SPACING REQUIREMENTS OF BELOW CEILING SPRINKLERS SHALL BE ADDRESSED AS FOLLOWS:

- i). SPRINKLER HEADS AND DEFLECTORS SHALL BE ARRANGED TO COMPLY WITH THE "BEAM" RULE (AS2118.1 CLAUSE 5.4.4). FIRE CONTRACTOR SHALL PROVIDE ALL NECESSARY DROPPERS AS REQUIRED TO COMPLY WITH THIS REQUIREMENT.
 - ii). FIRE CONTRACTOR SHALL CHECK ONSITE TO MAINTAIN ALL SPRINKLER HEADS A MINIMUM 100 mm DISTANCE TO WALLS/PARTITION WALLS/BULKHEADS.
 - iii). FIRE CONTRACTOR SHALL CHECK ONSITE, ALLOW ADDITIONAL SPRINKLER HEADS WHEN THE DISTANCE OF THE NEW PROPOSED WALLS/PARTITION WALLS/BULKHEADS IS MORE THAN HALFWAY OF THE SPACING OF THE EXISTING SPRINKLER HEADS.
 - iv). FIRE CONTRACTOR SHALL CHECK ONSITE TO MAINTAIN ALL SPRINKLER HEADS A MAXIMUM 2400 mm DISTANCE TO WALLS/PARTITION WALLS/BULKHEADS.
 - v). FIRE CONTRACTOR SHALL CHECK ONSITE TO MAINTAIN A MAXIMUM 4800 mm DISTANCE BETWEEN SPRINKLER HEADS.
 - vi). FIRE CONTRACTOR SHALL CHECK ONSITE TO MAINTAIN A MINIMUM 2000 mm DISTANCE BETWEEN SPRINKLER HEADS.
2. IF ANY CONCEALED SPACE IS OVER 200 mm IN DEPTH, ALLOW TO PROVIDE CONCEALED SPACE SPRINKLER HEADS WITH 42 m² SKELETON SPACING OF QUICK RESPONSE LIGHT HAZARD SPRAY SPRINKLERS SPACED AT MAXIMUM OF 6000 mm x 7000mm.
3. PIPE SIZE SHALL BE CONFIRMED WITH ONSITE PRESSURE AND FLOW AND HYDRAULIC CALCULATION. PIPE CONNECTIONS TO SOUs SHALL BE CONFIRMED ACCORDING TO SITE CONDITIONS.
4. SPRINKLERS IN FIRE STAIRS AND LIFTS ARE SUBJECT TO SITE CONDITIONS.

TENANCY FIRE SERVICES LAYOUT
 SCALE 1:200 @ A3

PRELIMINARY PLAN FOR REVIEW

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REVISION	DESCRIPTION	DRAWN	DATE
A	CDC TENDER ISSUE	WZ	19.12.22

- LEGEND**
- BELOW CEILING FIRE SPRINKLER
 - ▣ SIDEWALL SPRINKLER
 - EXPOSED FIRE SPRINKLER

DRAWING STAGE

FOR INFORMATION	
FOR CO-ORDINATION	
FOR APPROVAL	
FOR CONSTRUCTION	<input checked="" type="checkbox"/>
AS INSTALLED	



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DRAWING TITLE
 FIRE SERVICE - TENANCY FIRE SERVICES LAYOUT

SCALE: AS SHOWN	DATE: DEC 2022
DESIGN: WZ	CHECKED: HX
DRAWN: WZ	APPROVED: HX
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