



LEGEND - PLAN	
<div>2-CA-001</div> <div>2-CA-002</div> <div>2-CA-003</div>	HUBBEL RE-BOX 5U WALL MOUNTED CABINET, INCL 20A DEDICATED CIRCUIT (BY DIV. 16), EACH CABINET SHALL INCL 6-STRAND OS2 SINGLEMODE FIBRE TO 4TH FLOOR LAN ROOM T425T 2 = 2ND FLOOR CAB = CABINET A/B/C = CABINET DESIGNATION
<div>2-CA-004</div> <div>2-CA-005</div> <div>2-CA-006</div>	CATEGORY 6A UTP CABLE TERMINATED ON TWO (2) OR FOUR (4) PORT DECORA FACEPLATE 2 = 2ND FLOOR CA = CABINET A 001 = UNIQUE IDENTIFIER
<div>2-CA-007</div> <div>2-CA-008</div> <div>2-CA-009</div>	nVent CADDY CAT HP J-HOOK WITH MULTI FUNCTION CLIP, ALL CABLE DESIGNATED TO EACH UNIQUE CABINET SHALL BE ROUTED THROUGH J-HOOKS AND CONDUIT DOWN TO OUTLET POSITION. SPACE J-HOOKS AS REQUIRED FOR LENGTH.
<div>2-CA-010</div> <div>2-CA-011</div> <div>2-CA-012</div>	CONDUIT (SIZE ACCORDING TO UoT STANDARD FILL CAPACITY).
<div>2-CA-013</div> <div>2-CA-014</div> <div>2-CA-015</div>	SEALED PATHWAY FOR OS2 SM FIBRE FIBRE BACKBONE TO FOURTH FLOOR.
<div>2-CA-016</div> <div>2-CA-017</div> <div>2-CA-018</div>	4" X 4" PACKPOLE TO FEED OPEN AREA FURNITURE

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1	ISSUED FOR CLIENT REVIEW	26-JAN-20
revisions		date

UNIVERSITY OF TORONTO

TOWER FOI RELOCATION
481 SPADINA AVE

TELECOMMUNICATIONS
CABLING LAYOUT
2ND FLOOR

designed	AK
date	JANUARY 2025
drawn	FANCOM
date	JANUARY 2025
approved	FANCOM
date	JANUARY 2025
Tender	
Project Manager	
project number	P164-25-078 2026-119
drawing no.	T202



Fancom
CONNECTS LTD.

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| revisions | | data |

TELECOMMUNICATIONS
CABLING LAYOUT
3RD FLOOR

designed	AK
date	JANUARY 2025
drawn	FANCOM
date	JANUARY 2025
approved	FANCOM
date	JANUARY 2025
Tender	
Project Manager	
project number	P164-25-078 2026-119
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TELECOMMUNICATIONS
CABLING LAYOUT
4TH FLOOR

Project Manager	
project number	P164-25-078 2026-119

T204



LEGEND - PLAN	
<div>2-CA0A</div> <div>2-CA0B</div> <div>2-CA0C</div>	HUBBEL RE-BOX 5U WALL MOUNTED CABINET, INCL 20A DEDICATED CIRCUIT (BY DIV. 16), EACH CABINET SHALL INCL 6-STRAND OS2 SINGLEMODE FIBRE TO 4TH FLOOR LAN ROOM T425T 2 = 2ND FLOOR CAB = CABINET A/B/C = CABINET DESIGNATION
<div>2-CA-005</div> <div>2-CA-008</div> <div>2-CA-003</div>	CATEGORY 6A UTP CABLE TERMINATED ON TWO (2) OR FOUR (4) PORT DECORA FACEPLATE 2 = 2ND FLOOR CA = CABINET A 001 = UNIQUE IDENTIFIER
	nVent CADDY CAT HP J-HOOK WITH MULTI FUNCTION CLIP, ALL CABLE DESIGNATED TO EACH UNIQUE CABINET SHALL BE ROUTED THROUGH J-HOOKS AND CONDUIT DOWN TO OUTLET POSITION. SPACE J-HOOKS AS REQUIRED FOR LENGTH.
	CONDUIT (SIZE ACCORDING TO UoT STANDARD FILL CAPACITY).
	SEALED PATHWAY FOR OS2 SM FIBRE FIBRE BACKBONE TO FOURTH FLOOR.
<div></div>	4" X 4" PACKPOLE TO FEED OPEN AREA FURNITURE



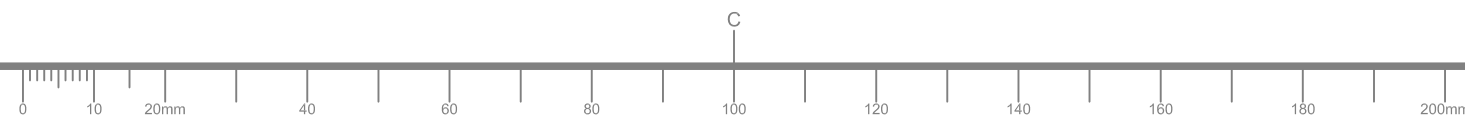
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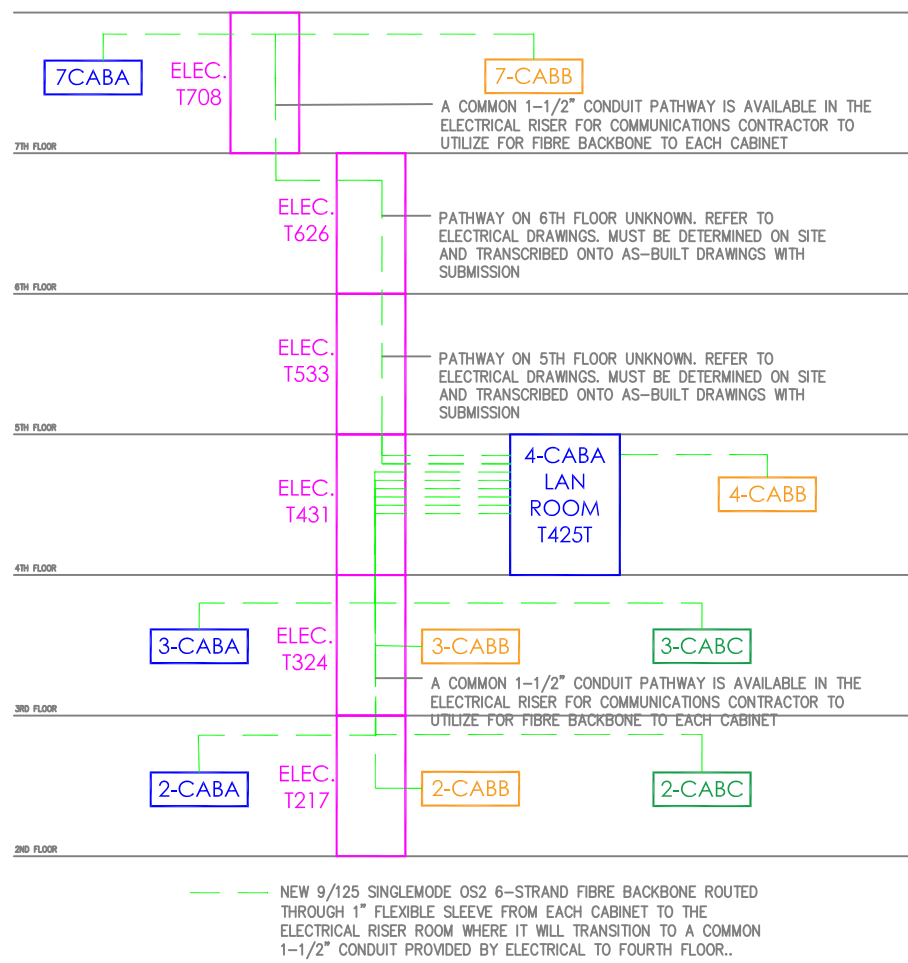
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project
UNIVERSITY OF TORONTO
TOWER FOI RELOCATION
481 SPADINA AVE

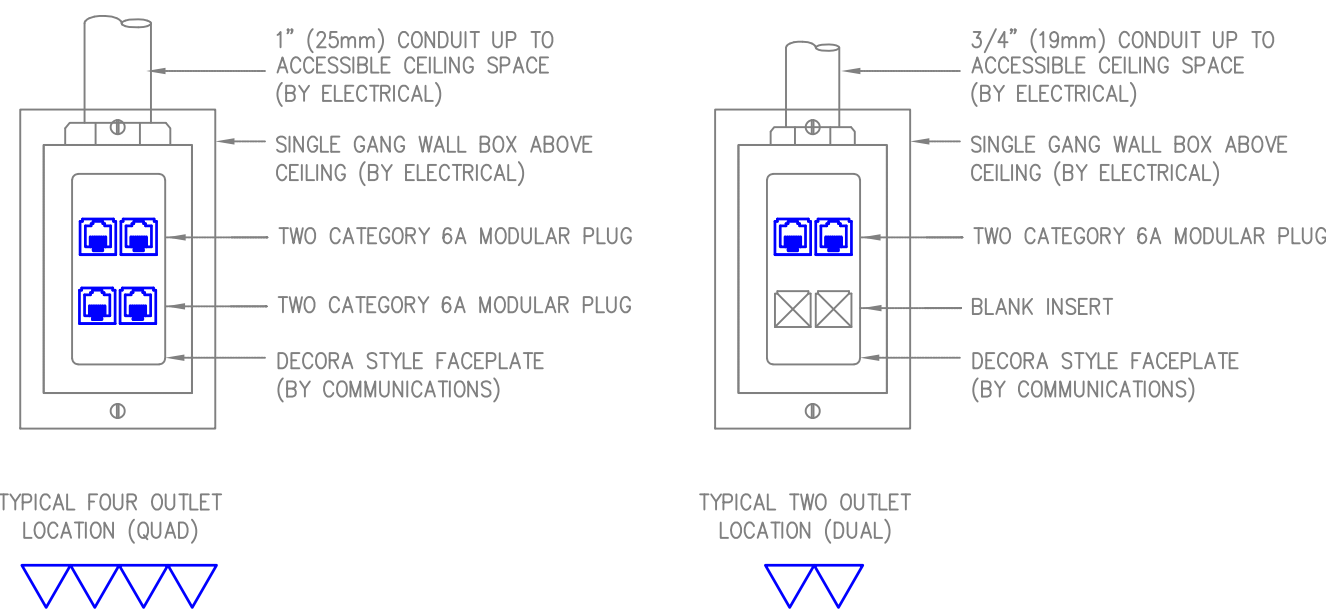
drawing
TELECOMMUNICATIONS
CABLING LAYOUT
7TH FLOOR

designed	AK
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drawing no.	T207

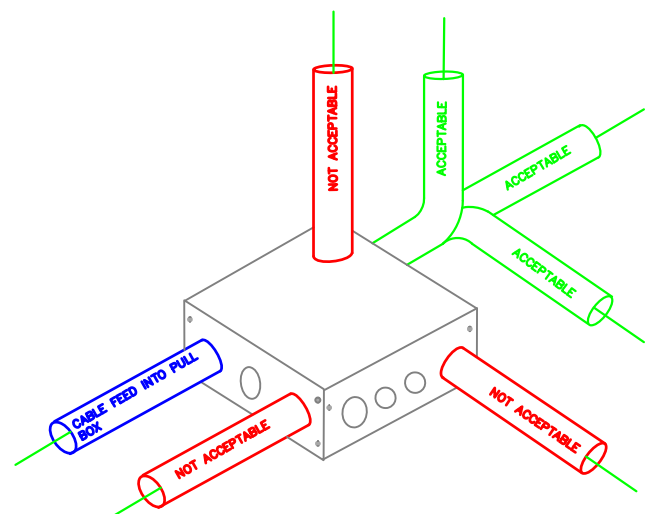




SK-01 FIBRE BACKBONE ROUTING DETAIL
DET1 SCALE: N.T.S.

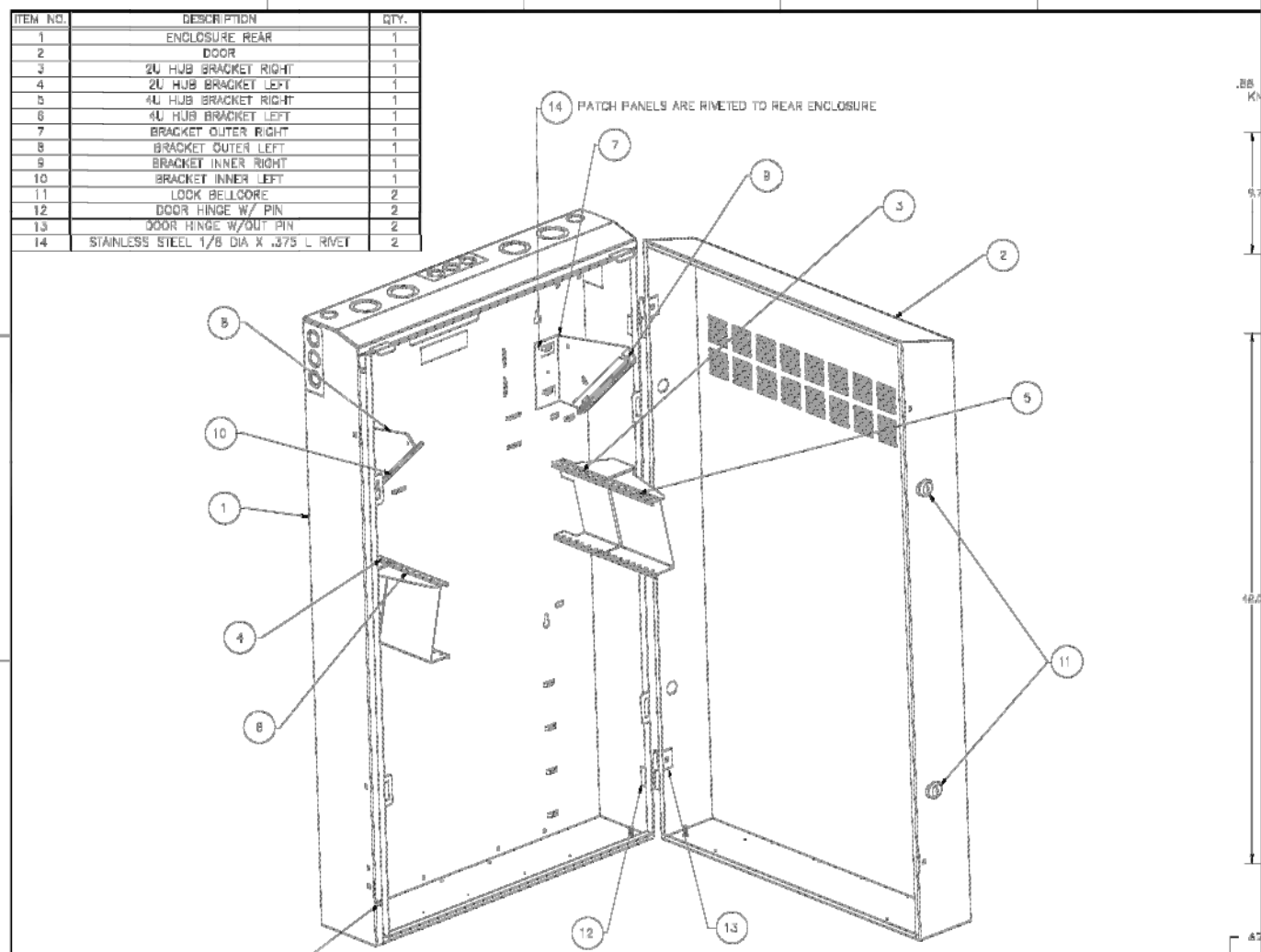


SK-04 2-PORT & 4-PORT OUTLET DETAIL DETAIL
DET1 SCALE: N.T.S.

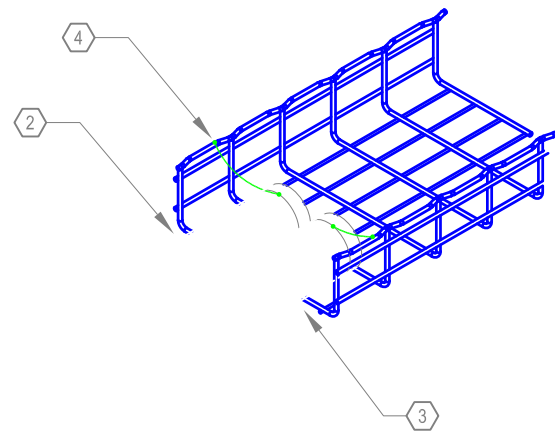


- NOTES:
- 1) COMMUNICATIONS CONTRACTOR TO VERIFY CONDUIT ROUTING AND ACCEPTANCE
 - 2) PULL BOXES DESIGNATED FOR COMMUNICATIONS CABLING SHALL NOT BE USED AS A 90 DEGREE BEND POINT
 - 3) PULL BOXES DESIGNATED FOR COMMUNICATIONS CABLING SHALL NOT BE USED AS A 'U' TURN POINT
 - 4) PULL BOXES AND CONDUIT SHALL BE SIZED ACCORDING TO COMMUNICATIONS CABLE SIZE REQUIREMENTS
 - 5) PULL BOXES SHALL BE PROVIDED A MINIMUM OF EVERY 100' WITH NO MORE THAN TWO 90 DEGREE BENDS
 - 6) ELECTRICAL CONTRACTOR SHALL PROVIDE A PULL STRING IN ALL CONDUITS DESIGNATED FOR COMMS
 - 7) PULL BOXES ARE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR

SK-07 JUNCTION BOX PASS THROUGH ALLOWANCES
DET1 SCALE: N.T.S.

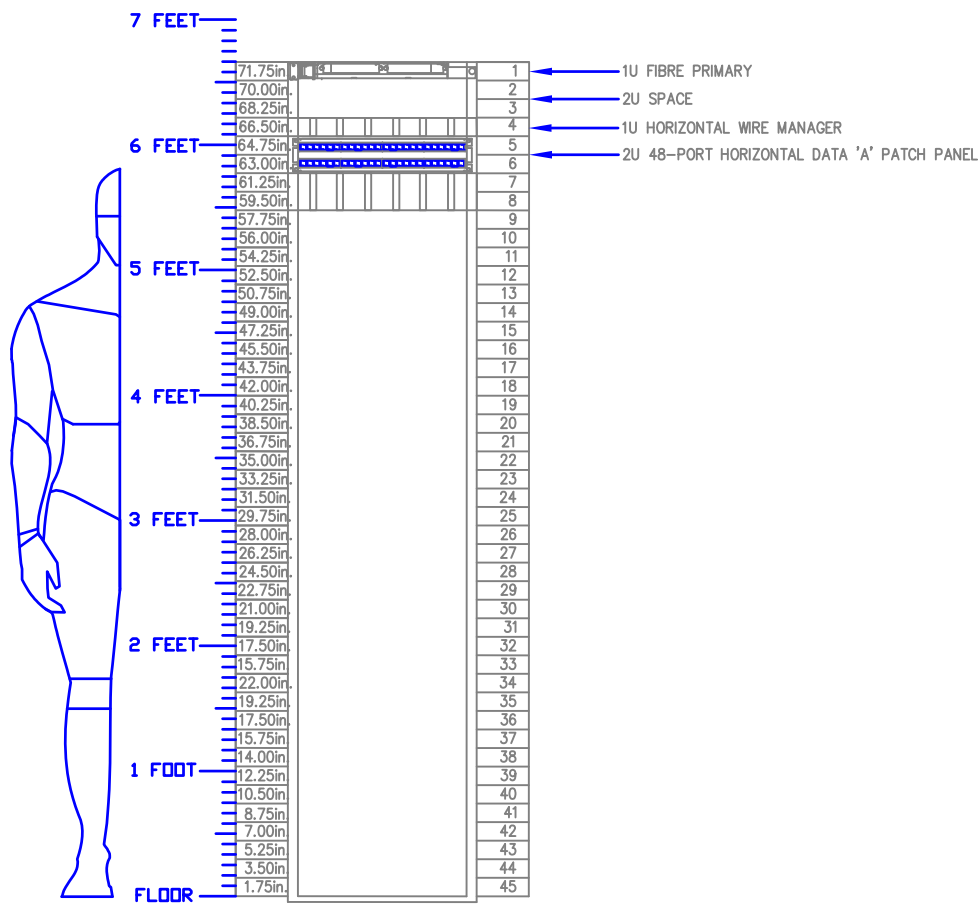


SK-02 RE-BOX 3D VIEW
DET1 SCALE: N.T.S.

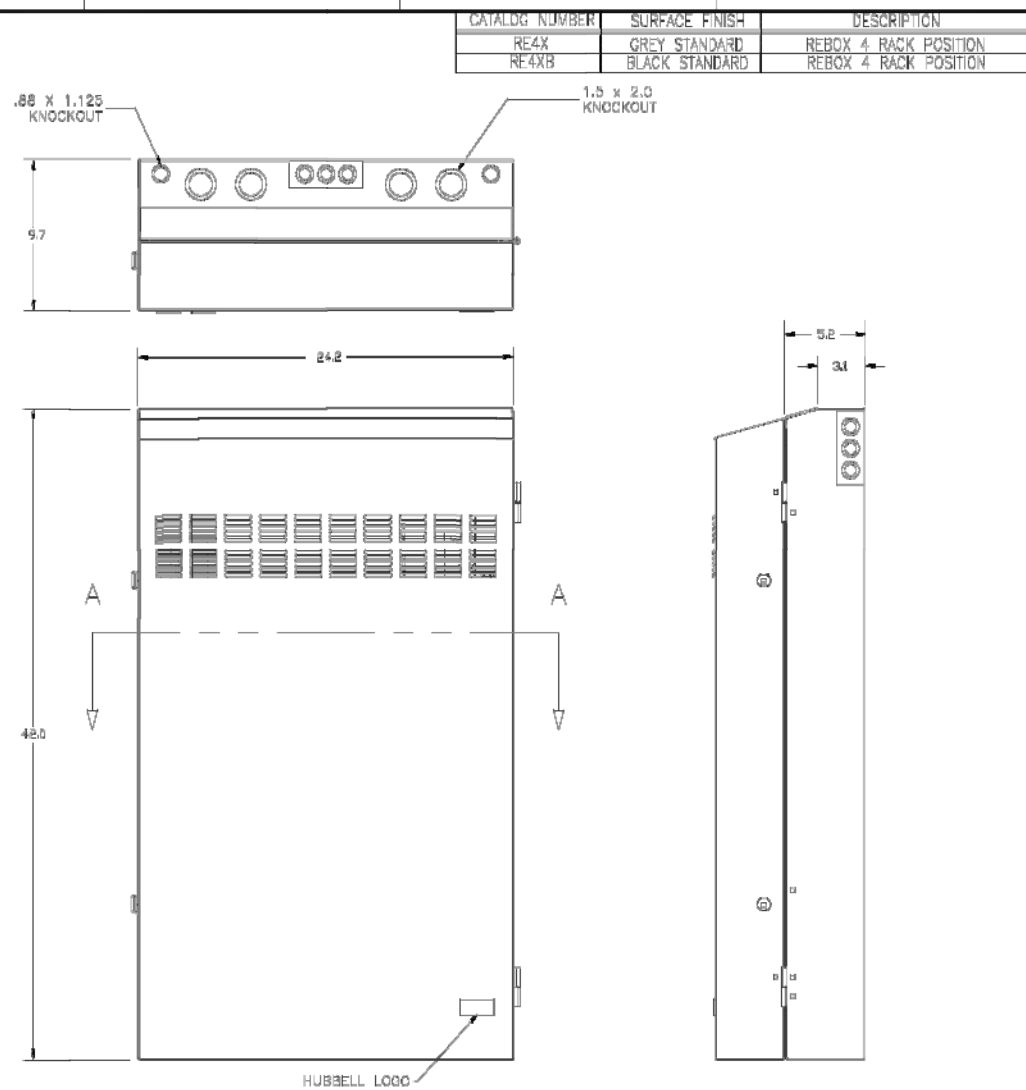


- NOTES:
1. THE BASKET TRAY SHALL HAVE 50mm (2") MINIMUM USABLE LOAD DEPTH UNLESS OTHERWISE STATED IN THE SPECIFICATIONS AND/OR PLAN DRAWINGS.
 2. SUPPORTS MUST BE ATTACHED TO STRUCTURAL CEILING OR WALLS.
 3. THE BASKET TRAY SUPPORTS SHALL BE PLACED SO THAT THE SUPPORT SPANS DO NOT EXCEED MAXIMUM SPAN OF 1.52m (5 FT) UNLESS GREATER SPANS ARE PERMISSIBLE BY MANUFACTURER.
 4. A BASKET TRAY SUPPORT MUST BE PLACED WITHIN 610mm (2 FT) ON EACH SIDE OF ANY CONNECTION TO A FITTING, COUPLER, OR SPLICE.
 5. ALL TRAY FITTINGS MUST HAVE A MINIMUM BEND RADIUS OF 221mm (8.7").
 6. ALL DROP OF CABLES FROM THE BASKET TRAY SHALL BE DONE HAVING A MINIMUM BEND RADIUS OF 25.4mm (1").
 7. ALL BASKET TRAY SHALL BE BONDED TO GROUND.
 8. WHERE CEILINGS ARE TO BE FITTED OUT WITH T-BAR, A MINIMUM OF 76mm (3") OF CLEAR VERTICAL SPACE ABOVE THE CEILING TILES AND SUPPORT CHANNELS (T-BARS) SHOULD BE MAINTAINED TO ENSURE ACCESSIBILITY.
 9. WHERE SUFFICIENT SPACE IS AVAILABLE ABOVE THE TRAY, UP TO 152mm (6") SHOULD BE PROVIDED BETWEEN THE SUSPENDED CEILING AND THE CABLING PATHWAY.
 10. ALLOW FOR MINIMUM 103mm (4") ABOVE THE TRAY SIDE WALL TO PERMIT CABLE ACCESS.
 11. CENTERED SINGLE SUPPORT ROD OF SUFFICIENT SPACING AND QUANTITY TO PROVIDE EQUAL SUPPORT PERMISSIBLE.
 12. A SUPPORT MUST BE PLACED BEFORE ANY DEFLECTION OF THE CABLE TRAY ROUTE.
 13. IT IS RECOMMENDED TO PLACE SUPPORTS AT THE START AND END OF 90° BENDS.
 14. CABLE TRAY SHALL BE MOUNTED BELOW CEILING IN THE SERVER ROOM AND TRANSITIONED VERTICALLY AT THE WALL AT EACH EXIT POINT FROM THE ROOM TO CONTINUE ABOVE THE FINISHED CEILING FOR ALL OTHER LOCATIONS.

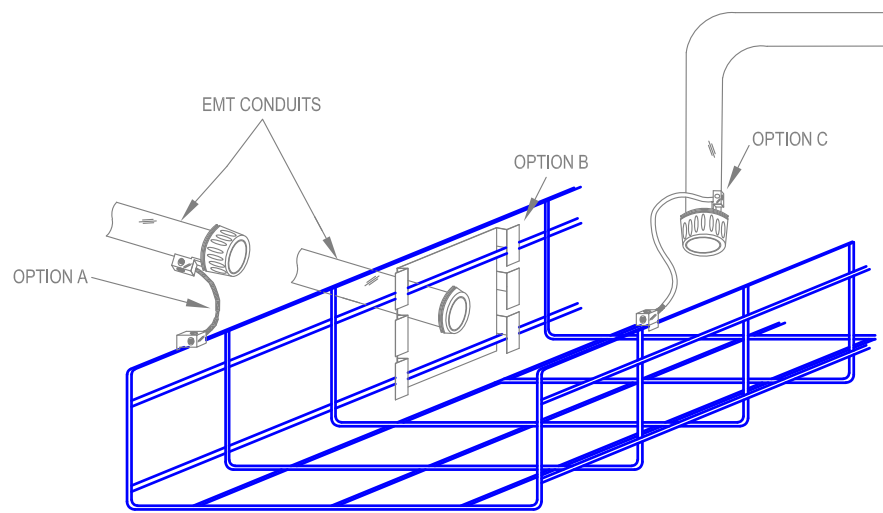
SK-05 CONDUIT TO TRAY DETAIL 01
DET1 SCALE: N.T.S.



SK-08 4TH FLOOR IT LAB RACK ELEVATION
DET1 SCALE: N.T.S.

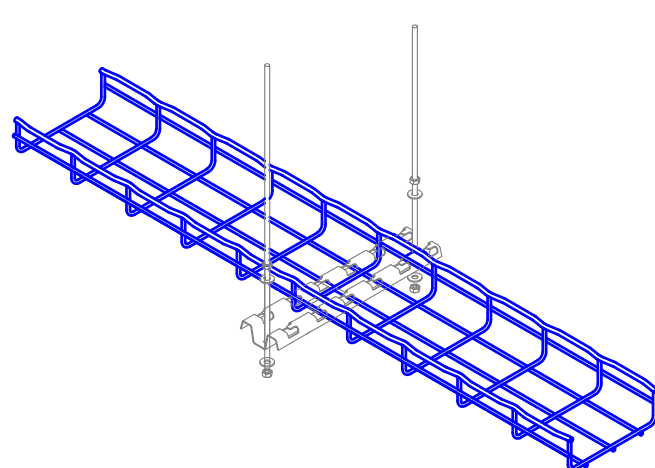


SK-03 RE-BOX DIMENSIONS
DET1 SCALE: N.T.S.



1. CONDUITS SHALL COMMENCE WITHIN 100mm ABOVE AND PERPENDICULAR TO THE INSIDE EDGE OF THE EXISTING CABLE TRAY ON THE CLOSEST SIDE TO THE OUTLET BOX
2. CONDUITS SHALL BE REAMED AND BUSHED
3. CONDUITS SHALL BE BONDED WITH GREEN-JACKETED, #6 AWG RW90 STRANDED COPPER CONDUCTOR (OPTIONS A AND C) OR MECHANICALLY BONDED TO THE CABLE TRAY WITH ELECTRICALLY CONDUCTIVE MATERIAL NOT PRONE TO GALVANIC CORROSION (OPTION B)
4. CONDUITS SHALL USE IRREVERSIBLE COMPRESSION ON OR EXOTHERMIC WELD TYPE LUGS/CONNECTORS, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
5. MATERIALS BOLTED OR RIVETED TO THE CABLE TRAY SHALL BE FREE OF BURRS AND OR SHARP EDGES. DO NOT ALLOW BOLTS AND OR RIVETS TO OBSTRUCT OR INTERFERE WITH INTERIOR SPACE OF THE TRAY

SK-06 CONDUIT TO TRAY DETAIL 02
DET1 SCALE: N.T.S.



1. THE BASKET TRAY SHALL HAVE 50mm (2") MINIMUM USABLE LOAD DEPTH UNLESS OTHERWISE STATED IN THE SPECIFICATIONS AND/OR PLAN DRAWINGS.
2. SUPPORTS MUST BE ATTACHED TO STRUCTURAL CEILING OR WALLS.
3. THE BASKET TRAY SUPPORTS SHALL BE PLACED SO THAT THE SUPPORT SPANS DO NOT EXCEED MAXIMUM SPAN OF 1.52m (5 FT) UNLESS GREATER SPANS ARE PERMISSIBLE BY MANUFACTURER.
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SK-09 WBT CABLE TRAY SUPPORT DETAIL
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project

TELECOMMUNICATIONS
DETAILS

designed	AK
date	JANUARY 2025
drawn	FANCOM
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approved	FANCOM
date	JANUARY 2025
Tender	

Project Manager	
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