

PROJECT DESIGN BRIEF

TITLE : CITY OF LONDON , HYDRONE - SOUTH WEST ONTARIO REGION
ADMINISTRATION BUILDING.

LOCATION: CITY OF LONDON , ONTARIO.

PROJECT NUMBER : WDIV - S24 - 02

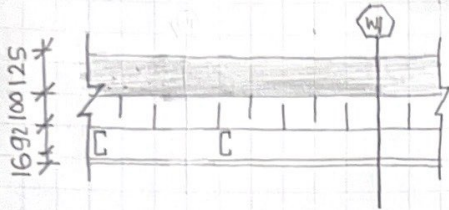
PROJECT CLOSING DATE :

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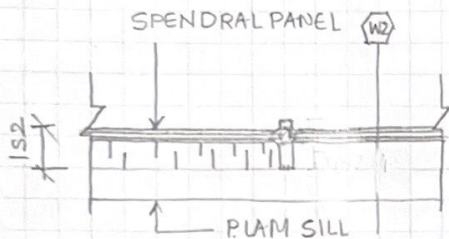
- ASK 01 - EXTERIOR WALL TYPES (W1, W2, W3)
- ASK 02 - ROOF ASSEMBLIES (R1, R2)
- ASK 03, 3.1 - ARCHITECTURE PRECAST PANEL INCLUDING WINDOW HEAD
- ASK 04, 4.1 - ARCHITECTURE PRECAST PANEL INCLUDING WINDOW SILL & DOORHEAD
- ASK 4.1 - CURTAIN WALL MULLION ARCHITECTURE PRECAST PANEL & DOORHEAD
- ASK 05 - ARCHITECTURE PRECAST PANEL BASE DETAILS.
- ASK 06, 6.1 - CURTAIN WALL INCLUDING MULLION HEAD.
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- ASK 09 - ZERO PARAPET @ CORE EXTENSION & DOOR HEAD
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- ASK 12 - CURTAIN WALL 90° CORNER COVER DETAIL INCLUDING DOOR JAMB CLATCH SIDE)
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- ASK 16.1 - STAIR SECTION

DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: COVER SHEET	DRAWING No.: 00
SCALE: --	PROJECT No.: 2		
DRAWN BY: BHARGAV			

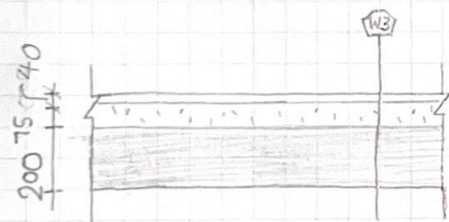
BASIS OF DESIGN



- 125 ARCHITECTURE PRECAST PANEL
- COLOR = #201 GREY
- FINISH = SMOOTH
- TEXTURE = SANDBLASTED
- 3 WAY ADJUSTABLE DEAD LOAD ANCHOR
- 100 SEMI RIGID INSULATION
- 92 METAL STUDS
- 15.9 SHEET ROCK BRAND AR FIRECODE X PANELS PAINT FINISH.



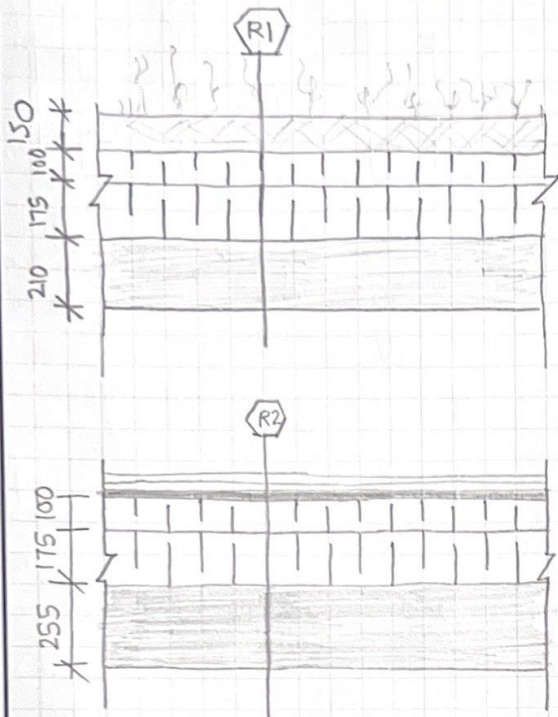
- CURTAIN WALL KAWNEER 1600 UT SYS. 1 (52.4 (6")) DEEP FRAME ; C/W DOUBLE PANE IGU (1") 25.4 INFILL , CLEAR ANODIZED
- LIGHTWEIGHT SEMI RIGID STONE WOOL INSULATION BOARD TYPE @ ALL NON VISION SPANDRAL PANEL CURTAIN ROCK 40.



- VICWEST CL7040
- TYPE = EXPOSED FASTENER CLADDING
- COLOUR = STONE GREY, 56071 G90
- THICKNESS = 0.853MM (2299.)
- DIRECTION = HORIZONTAL - 40MM
- 0.912MM (2099) LIGHT WEIGHT STEEL FRAMING BACKUP WALL
- POLARFOAM CLOSED CELL SPRAYFOAM TYPE INSULATION - 75MM
- 200 CONCRETE SHEAR WALLS.
- PAINT FINISH

DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: CONSTRUCTION ASSEMBLY DETAILS	DRAWING No.: 01
SCALE: 1:20	PROJECT No.: 2		
DRAWN BY: BHARGAV			

BASIS OF DESIGN



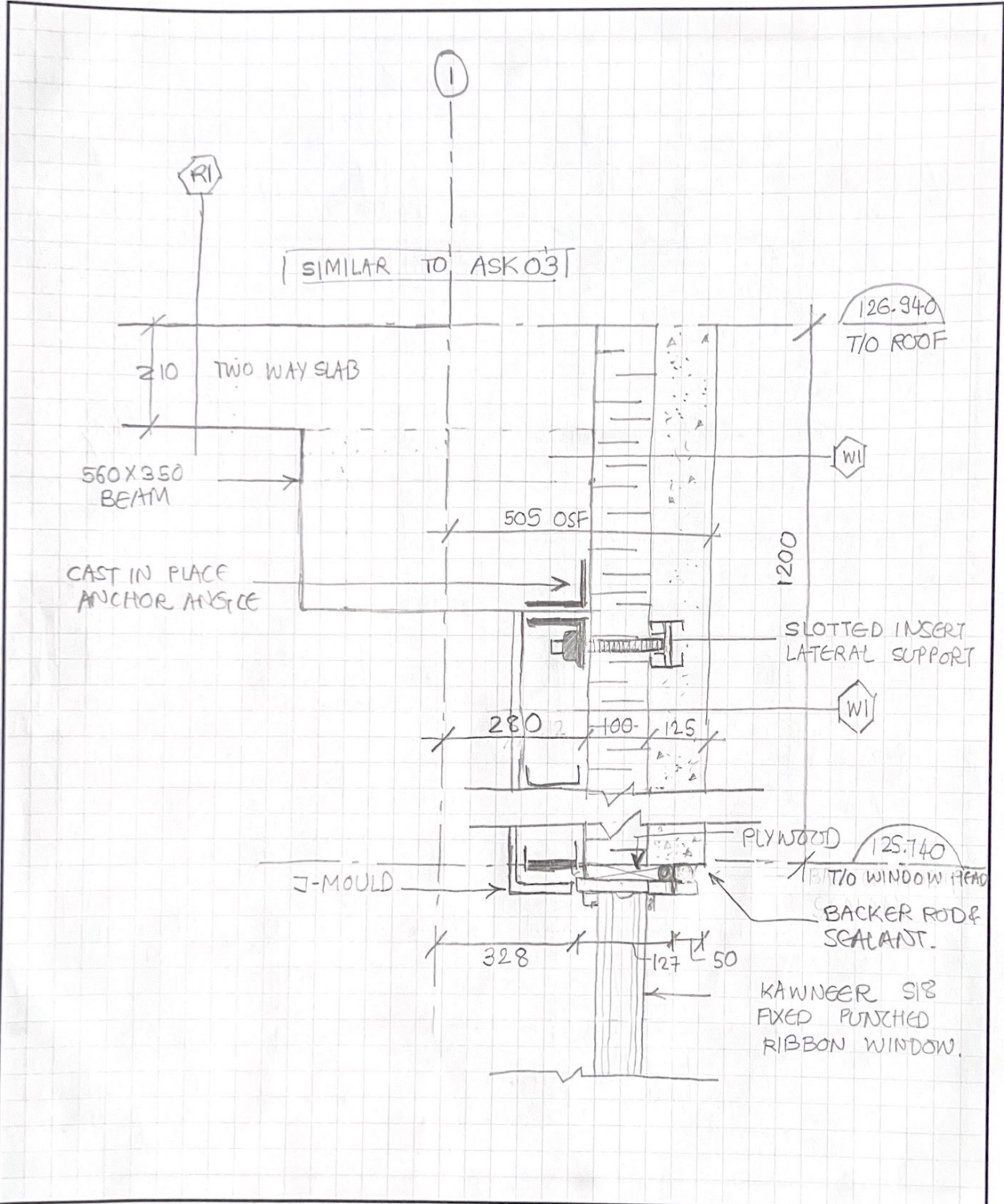
• PROTECTED MEMBRANE ROOFING.

- SUPRA NATURE VEGETATIVE EXTENSIVE ROOF SYSTEM
- POLYISOCYANURATE RIGID TYPE INSULATION (TAPERED 2% SLOPE) - 100
- EXTRUDED POLYSTYRENE (XPS) RIGID TYPE INSULATION - 175

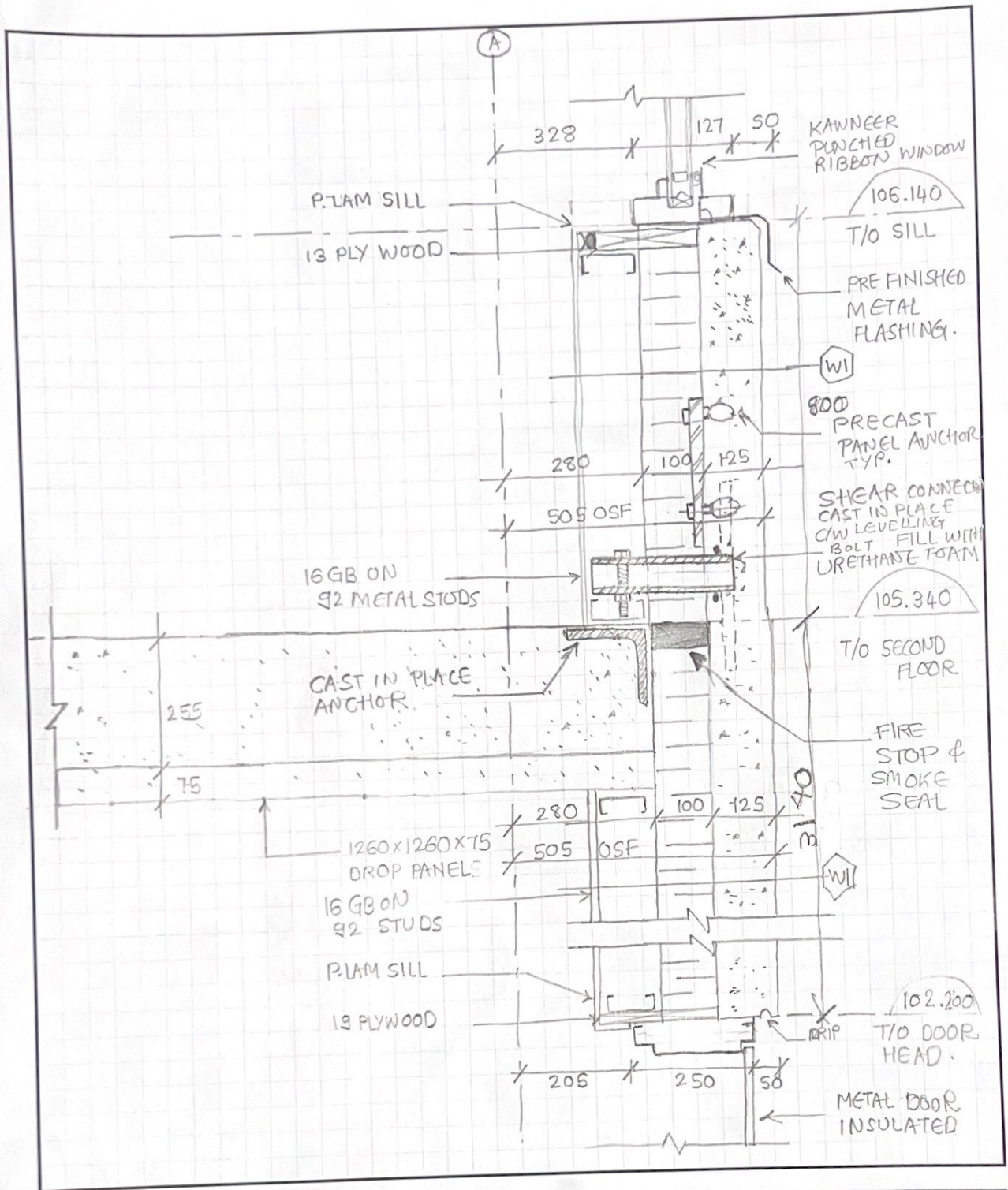
• CONVENTIONAL ROOF

- SUPREMA 2-PLY MODIFIED BITUMINOUS MEMBRANE SYSTEM
- POLYISOCYANURATE RIGID TYPE INSULATION (TAPERED 2% SLOPE) - 100
- EXTRUDED POLYSTYRENE (XPS) RIGID TYPE INSULATION - 175
- METAL FASCIA EDGE TERMINATION (ZERO PARAPET).

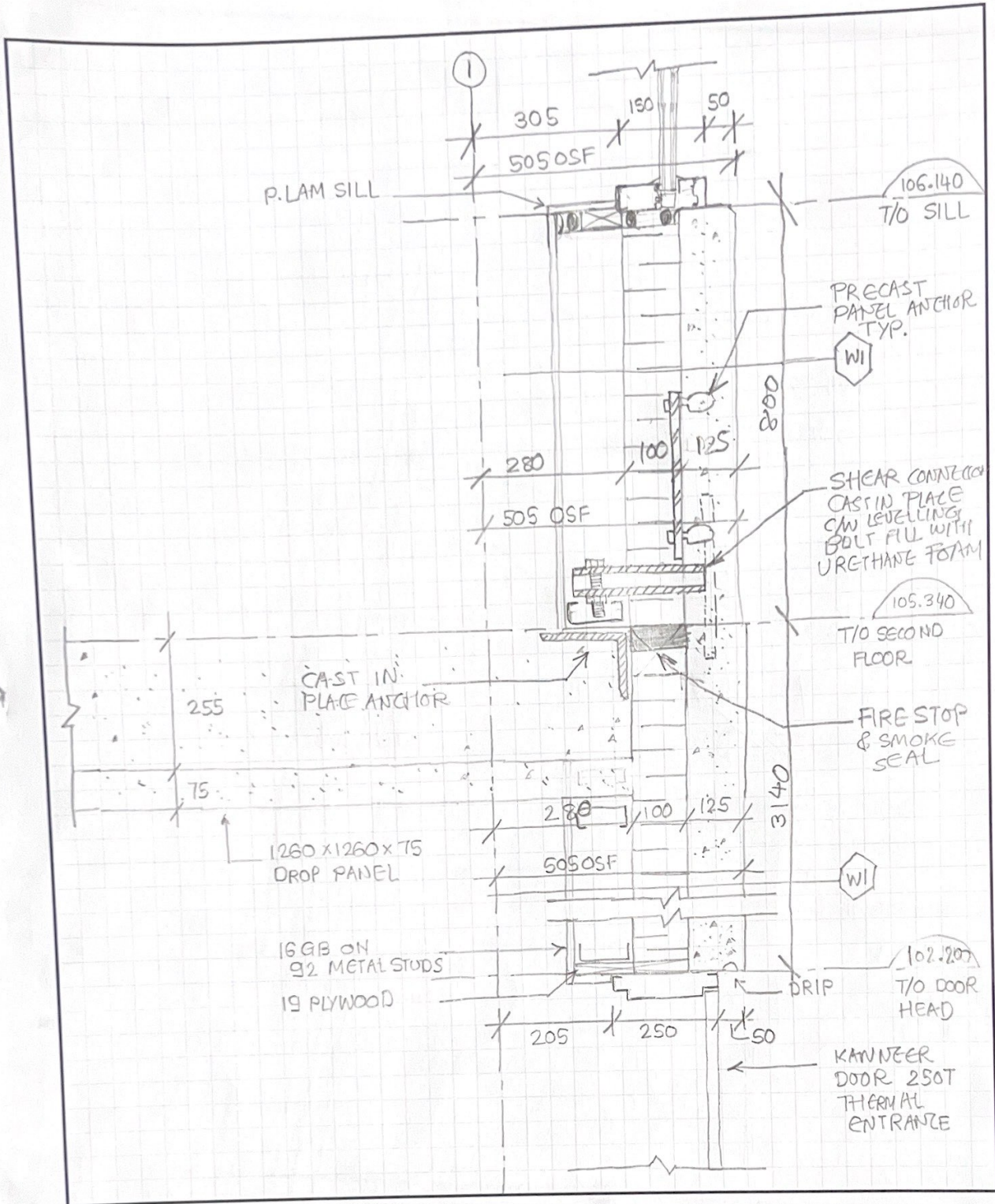
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DRAWN BY: BHARGAV			



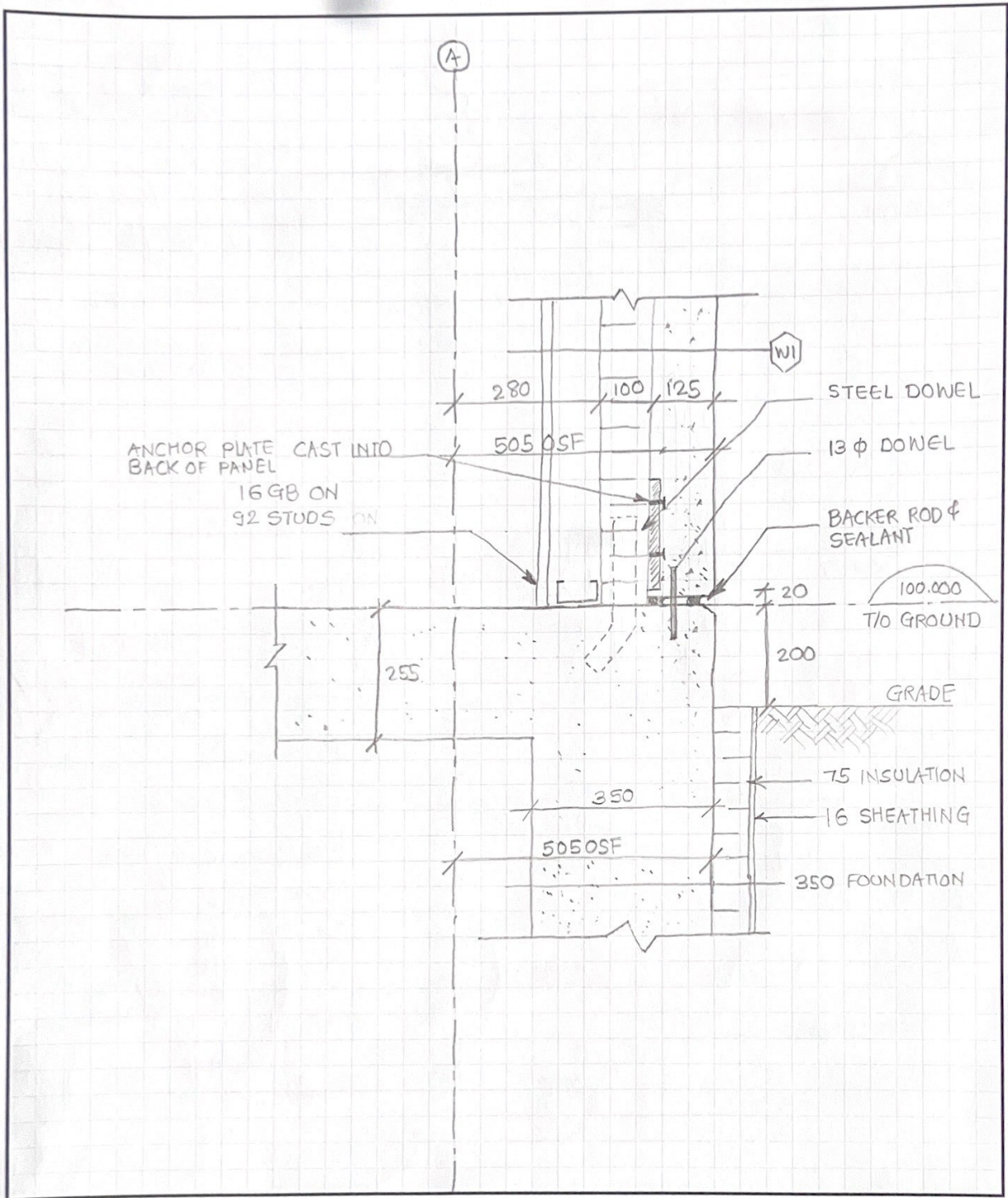
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: ARCHITECTURE PRECAST PANEL INCLUDING WINDOW HEAD.	DRAWING No.: 3.1
SCALE: 1/10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



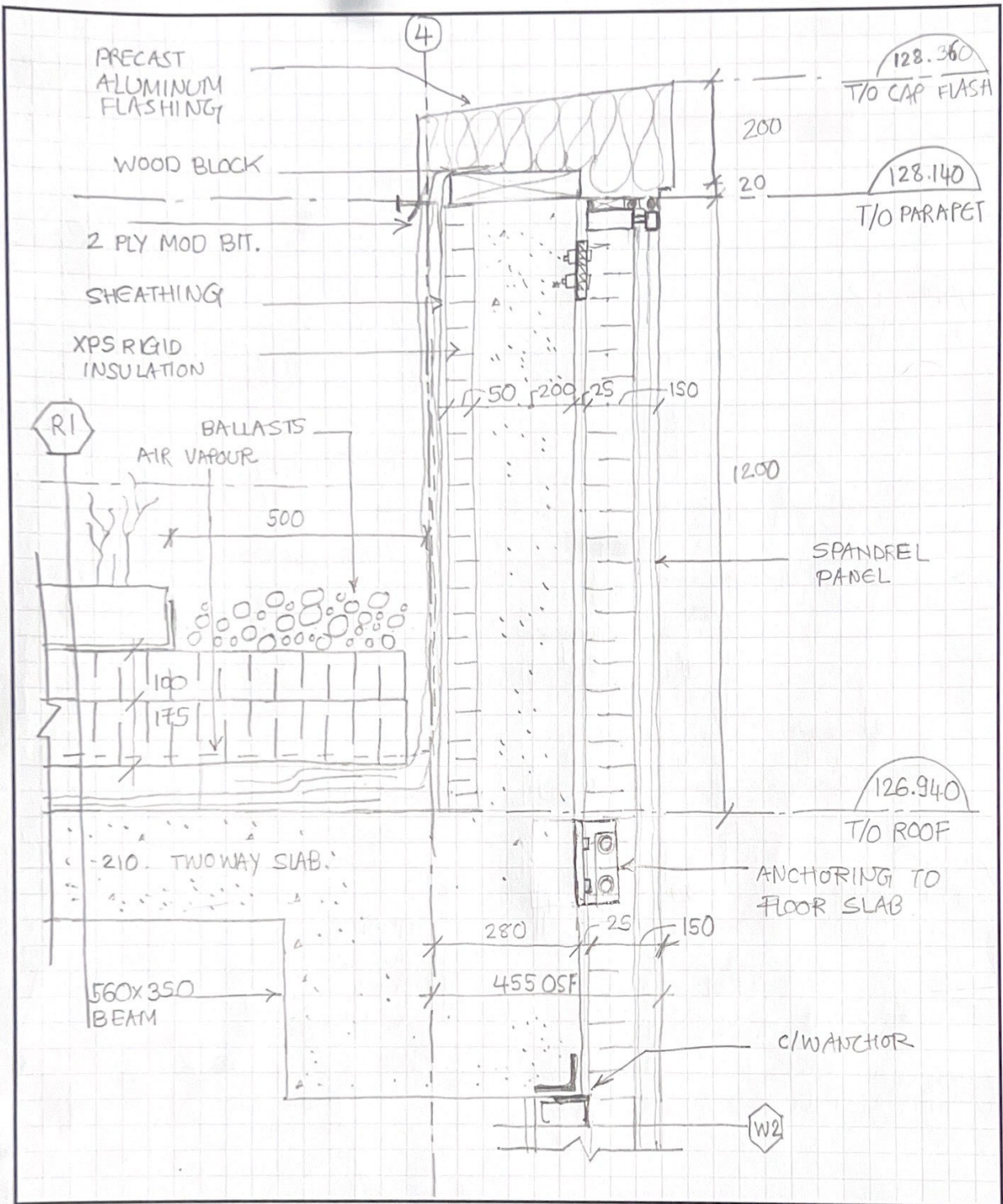
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SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



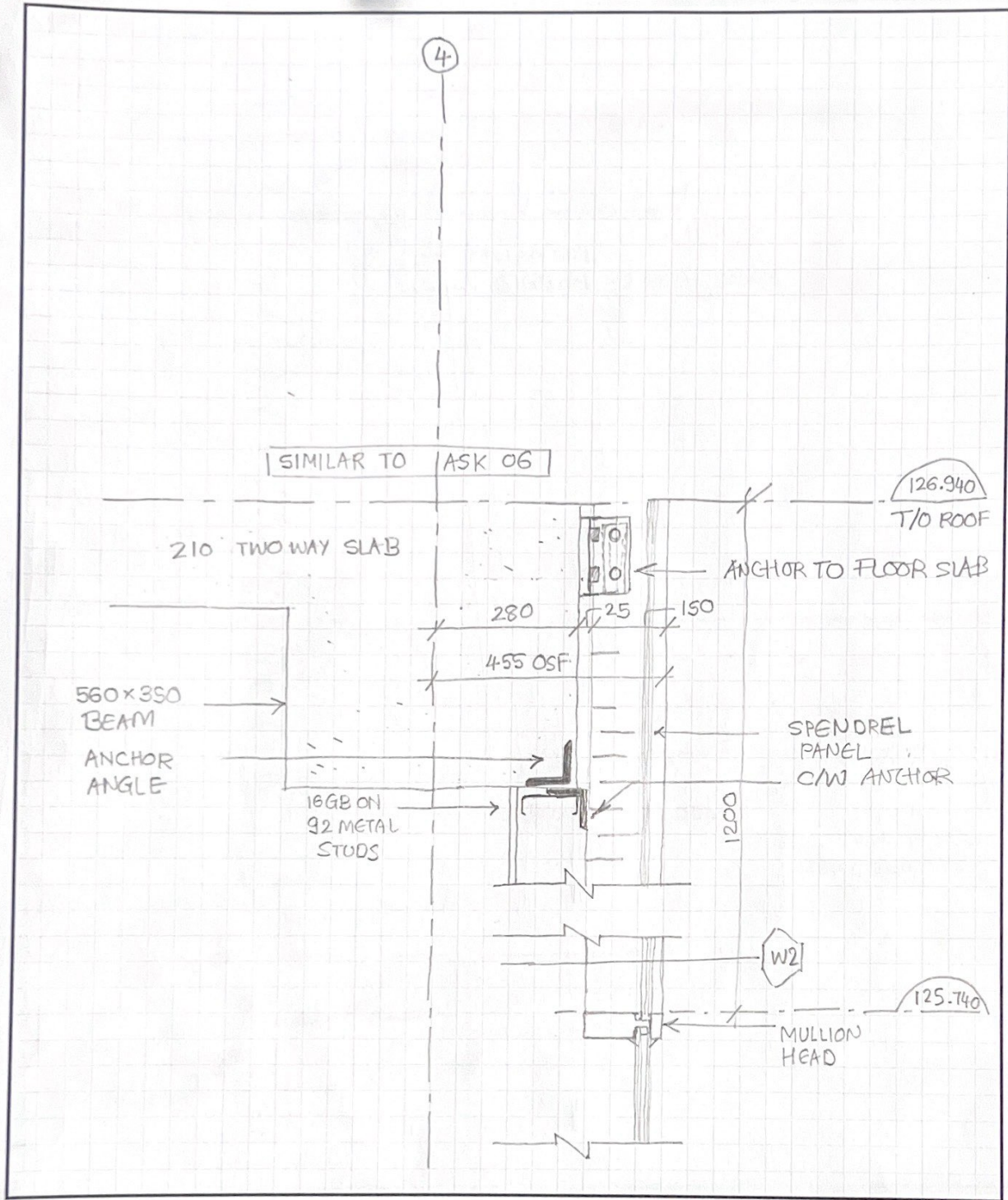
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: CURTAIN WALL MULLION ARCHITECTURE PRECAST & DOOR HEAD	DRAWING No.: 4.1
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



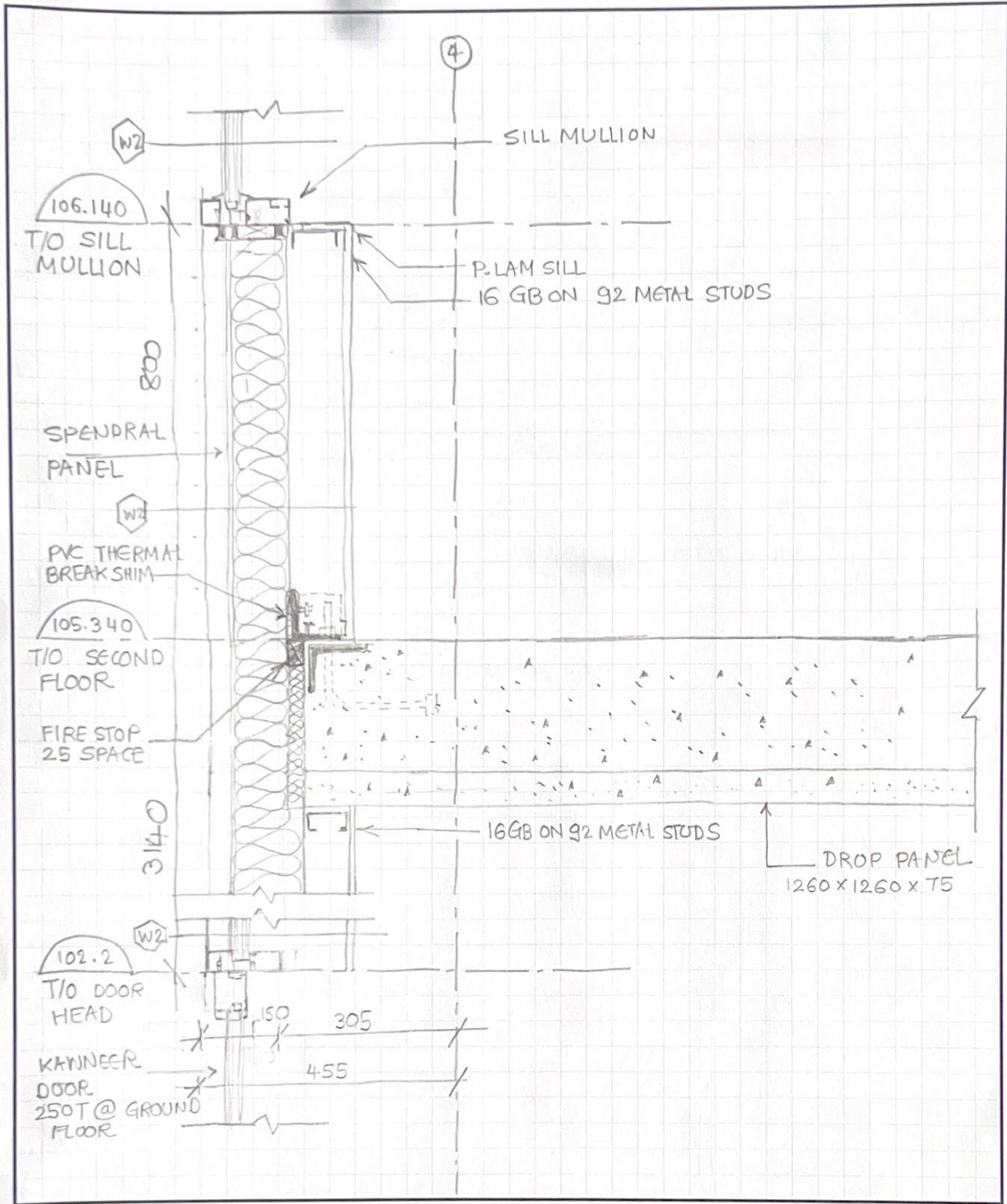
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SCALE: 1:10			
DRAWN BY: BHARGAV	PROJECT No.: 2		



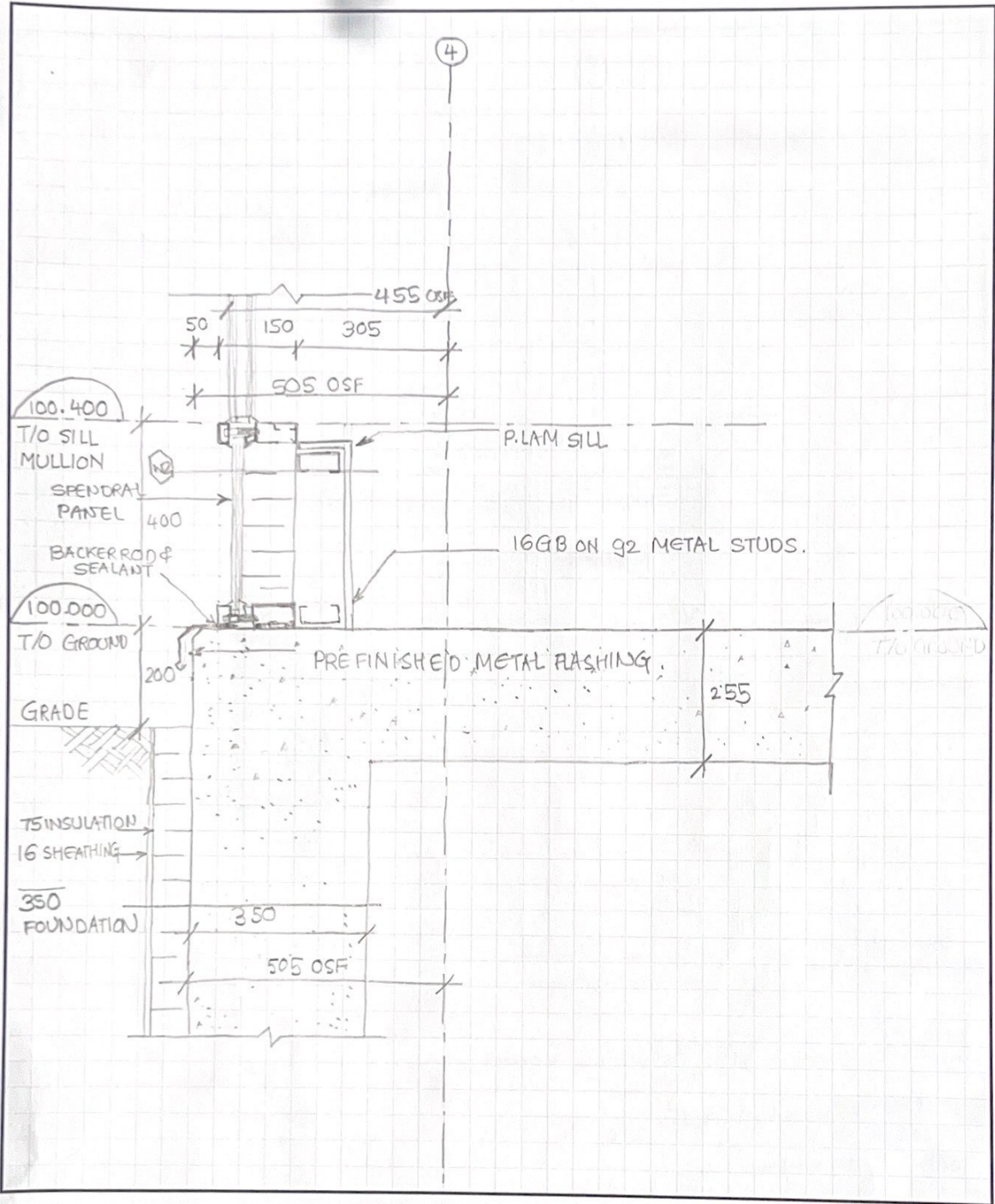
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DRAWN BY: BHARGAV	PROJECT No.: 2		



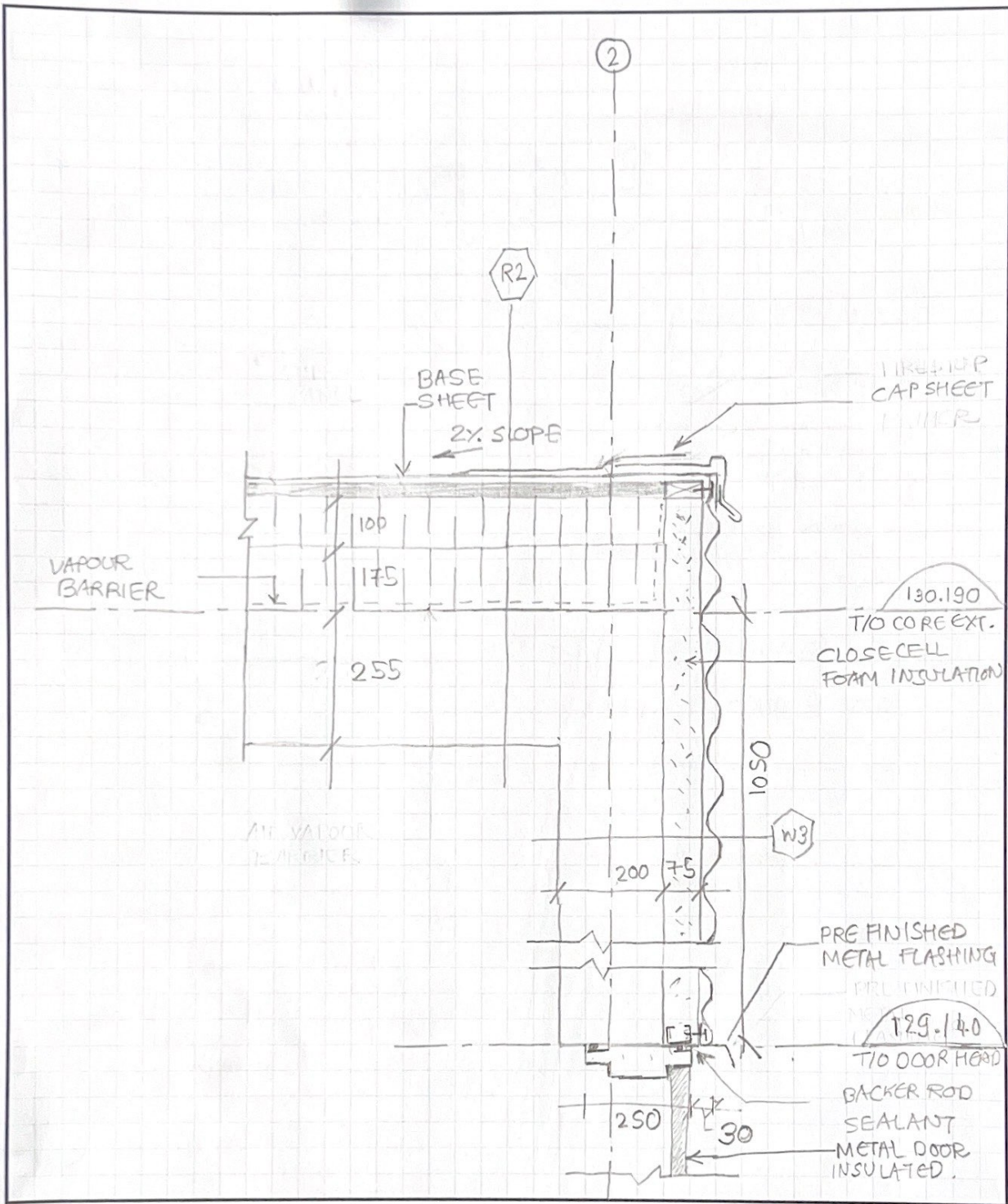
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: CURTAIN WALL INCLUDING MULLION HEAD	DRAWING No.: 6.1
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



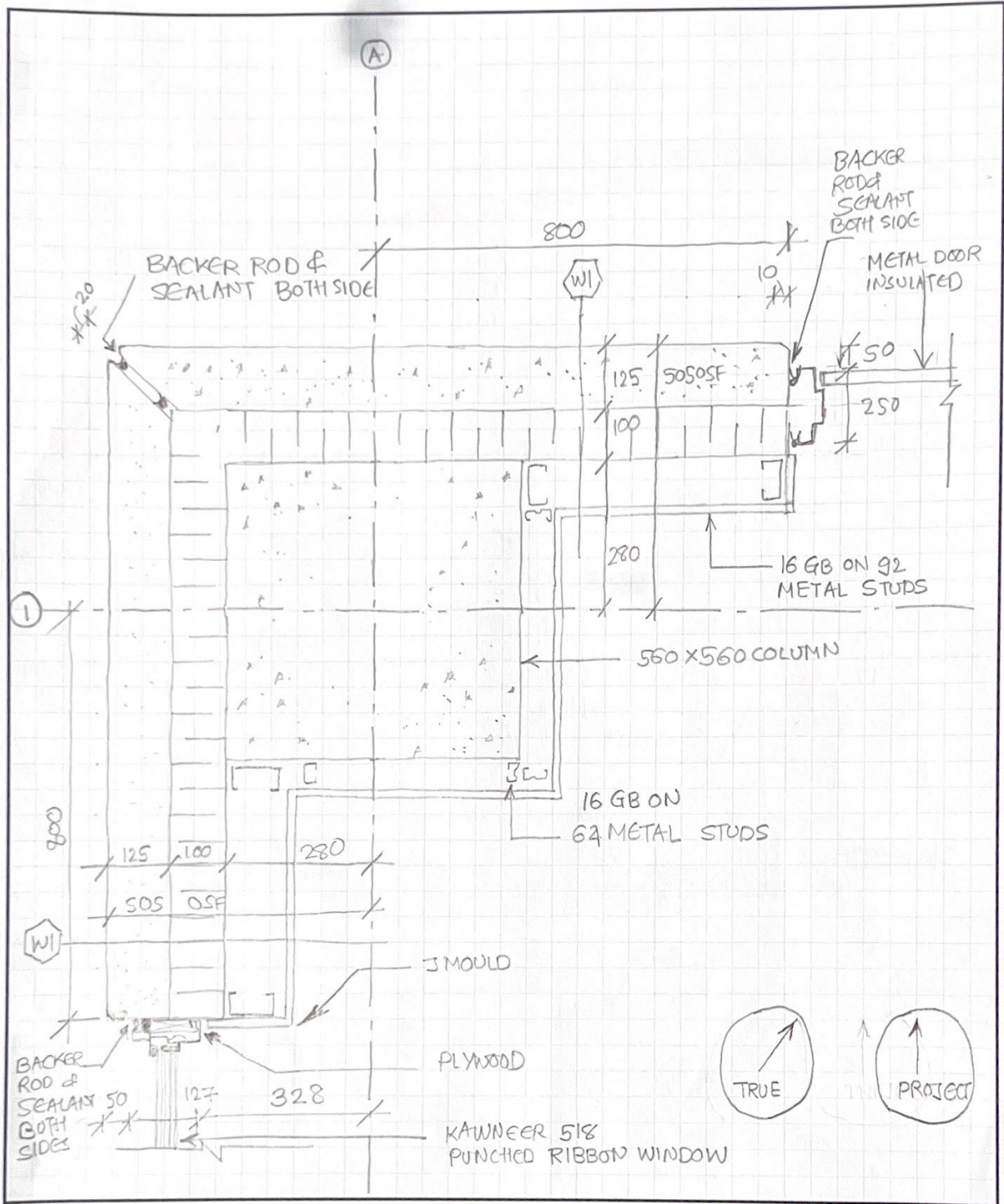
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: CURTAIN WALL INCLUDING SILL MULLION & DOOR HEAD.	DRAWING No.: 07
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



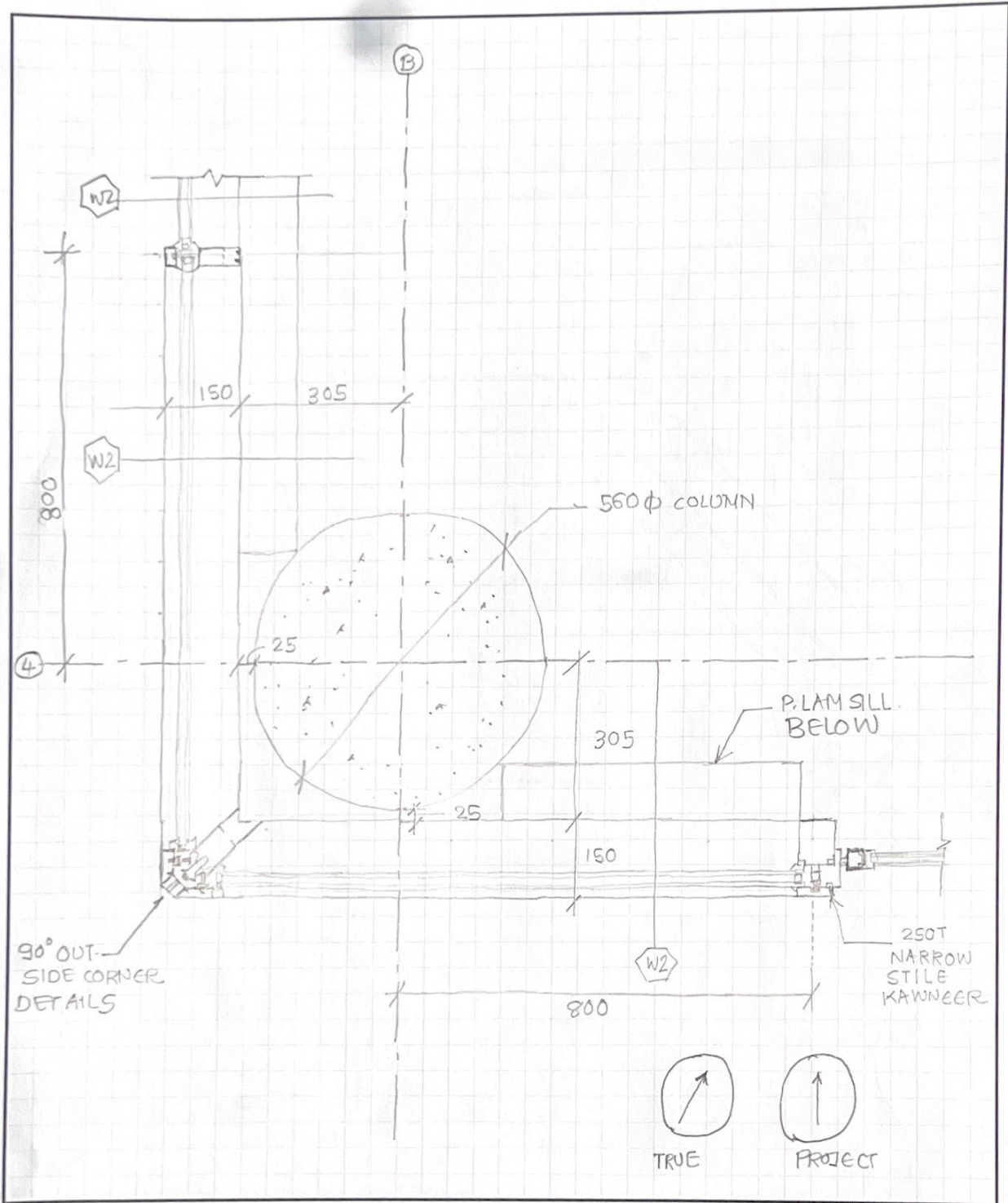
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SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



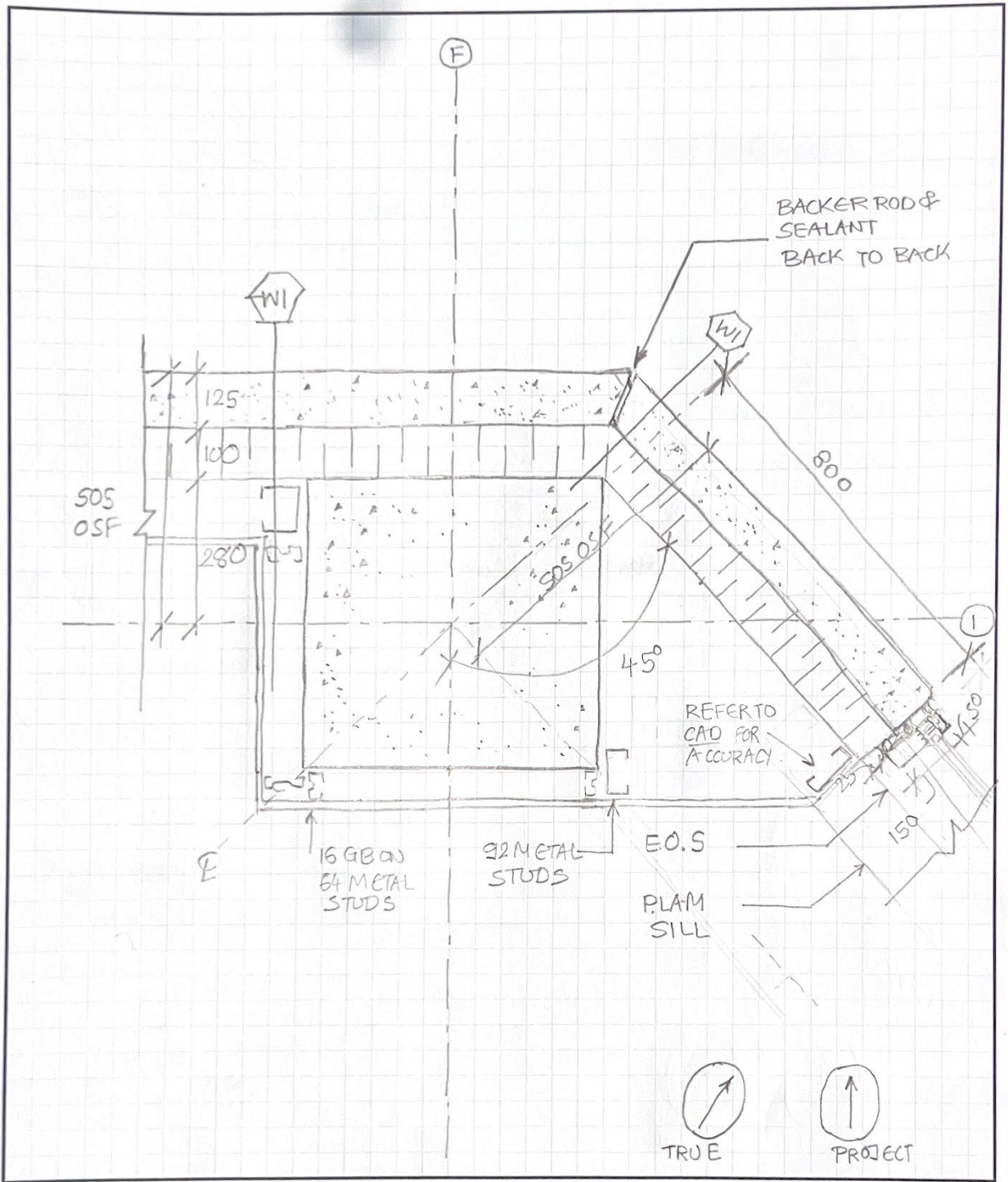
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: ZERO PARAPET @ CORE EXTENSION INCLUDING DOOR HEAD	DRAWING No.: 09
SCALE: 1:10			
DRAWN BY: BHARGAV	PROJECT No.: 2		



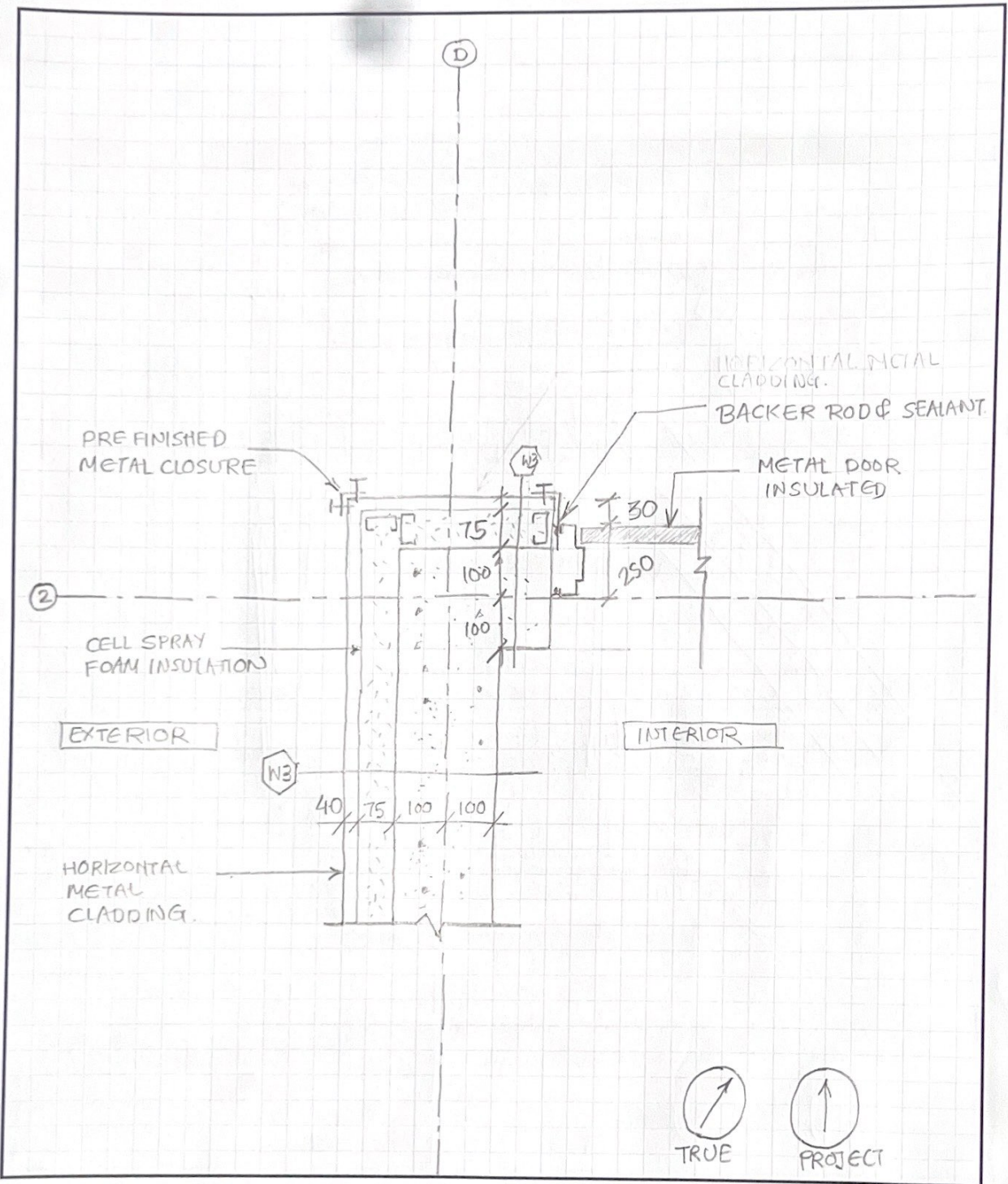
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: ARCHITECTURE PRECAST PANEL SYSTEM OUTSIDE CORNER, INCLUDING WINDOW JAMB & EXIT DOOR JAMB	DRAWING No.: 11
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



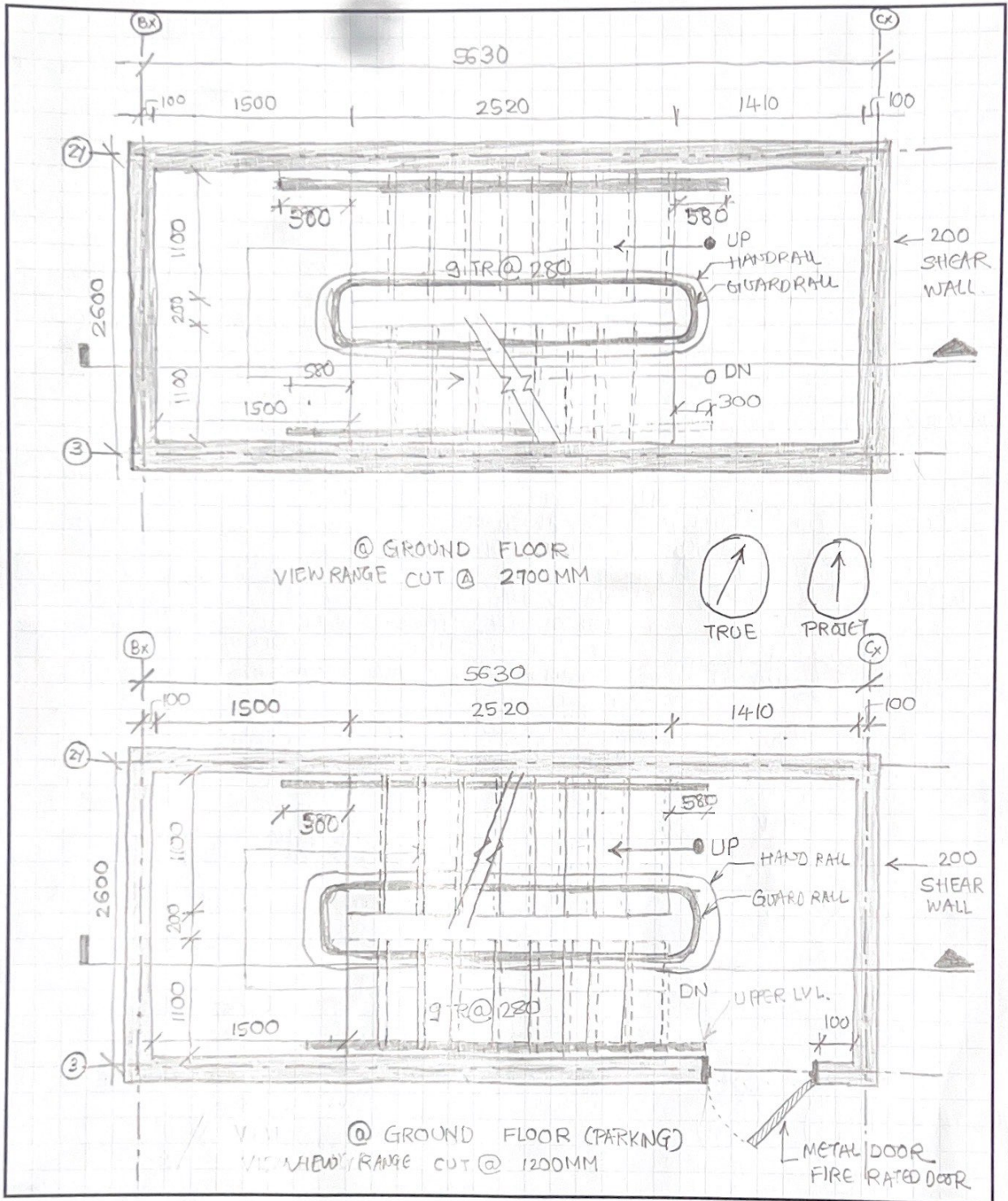
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: CURTAIN WALL 90° OUTSIDE CORNER COVER DETAIL, INCLUDING DOOR JAMB CLATCH)	DRAWING No.: 12
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: GHARGAV			



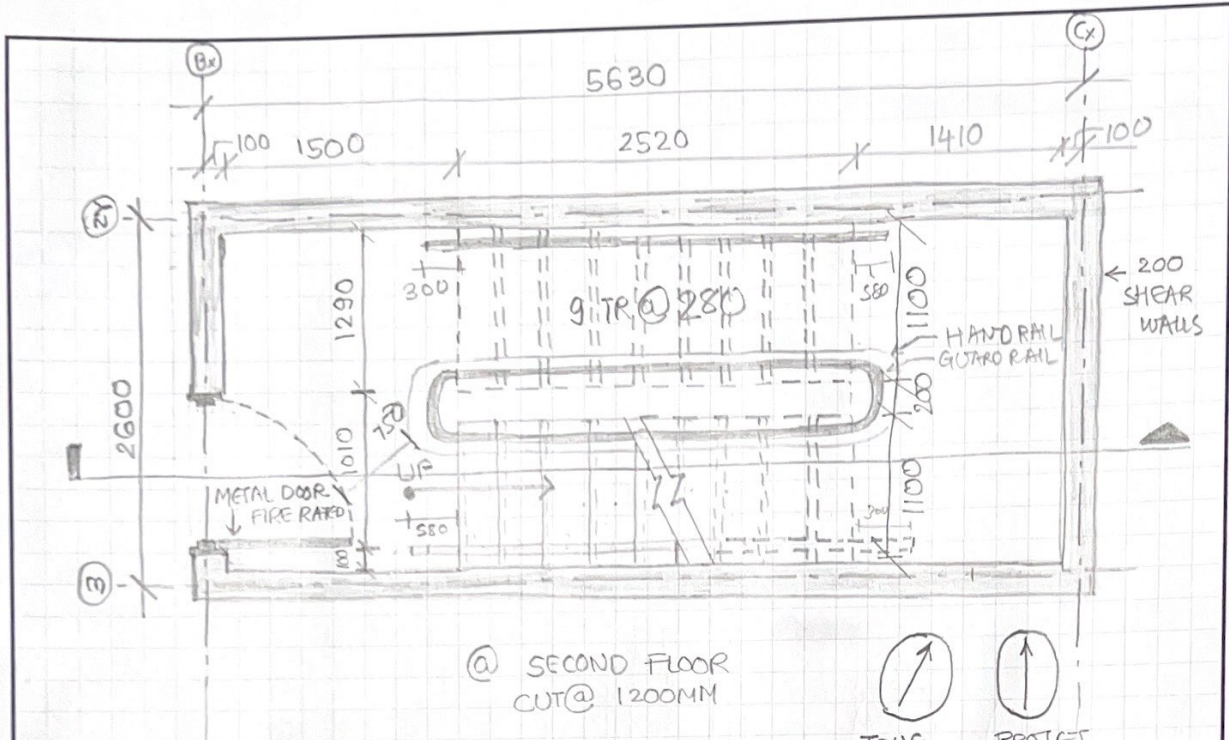
DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: ARCHITECTURE PRECAST PANEL & CURTAIN WALL INTERSECTION DETAIL	DRAWING No.: 13
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: TYP. METAL SHEET CLADDING STEEL STUD SYSTEM, INCLUDING EXT. INSULATE METAL EXIT DOOR JAMB PRESSED STEEL FRAME	DRAWING No.: 14
SCALE: 1:10	PROJECT No.: 2		
DRAWN BY: BHARGAV			



DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: STAIR PLANS	DRAWING No.: 15
SCALE: 1:20			
DRAWN BY: BHARGAV	PROJECT No.: 2		



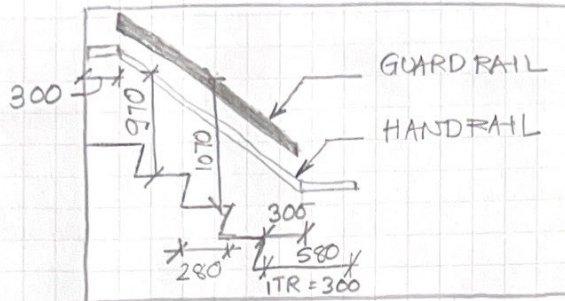
STAIR CALCULATIONS

- ⇒ GARAGE TO GROUND FLOOR - 3500MM
 - ⇒ $3500/180 = 19.44 \approx 20$ Ri @ 175MM
 - ⇒ GROUND TO SECOND FLOOR - 5340MM
 - ⇒ $5340/180 = 29.66 \approx 30$ Ri @ 178MM
 - ⇒ SECOND TO TYP. FLOORS ABOVE - 3600MM
 - ⇒ $3600/180 = 20 \approx 20$ Ri @ 180MM
- (TREAD DEPTH = 280MM)

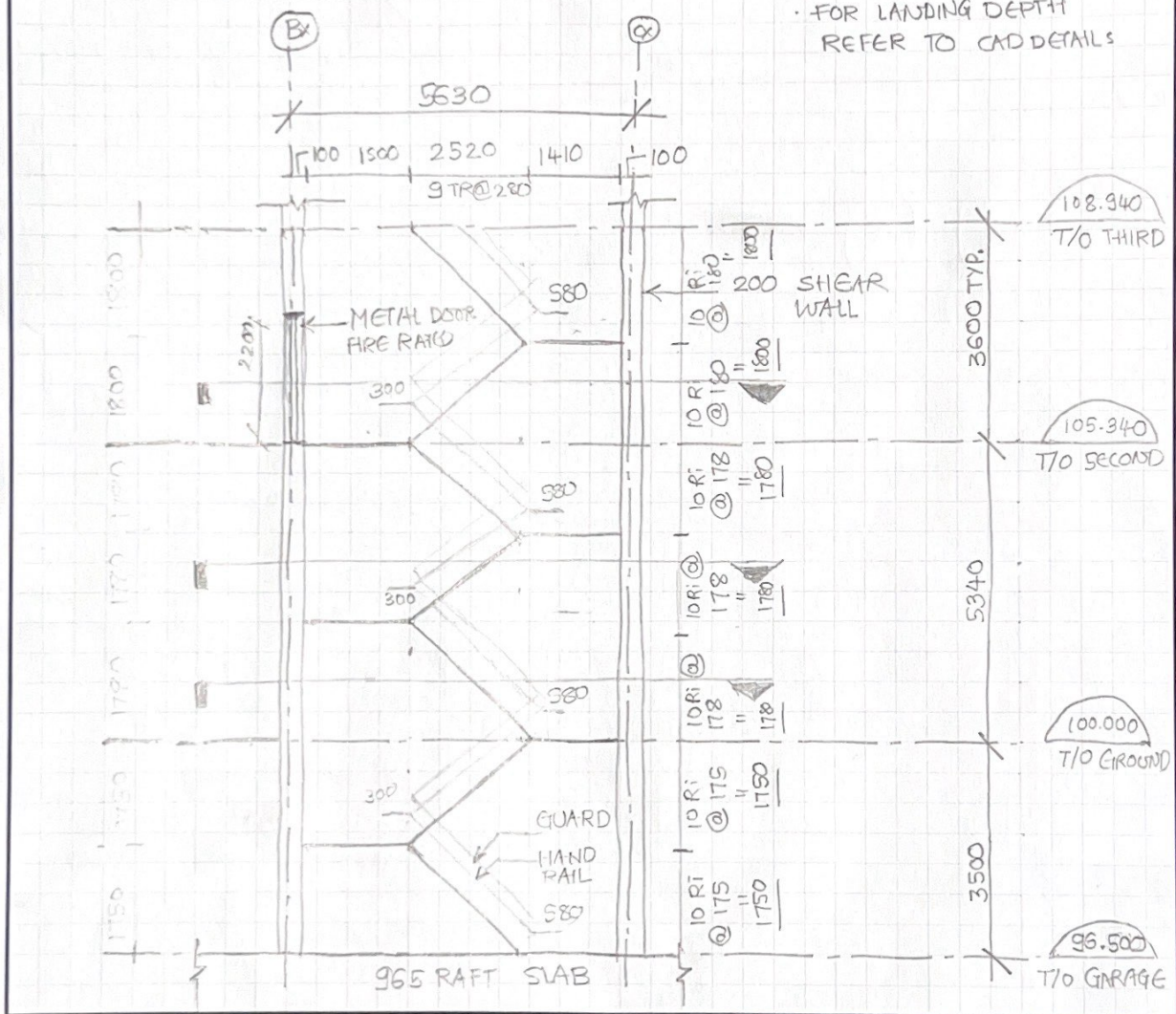
LANDING DIMENSIONS AS PER OBC 3.4.6.4
 EXIT WIDTH AS PER OBC 3.4.3.2(1)
 SWING OF DOOR AND BALUSTER, OBC 3.4.3.4(3)

DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: STAIR PLANS	DRAWING No.: 15.1
SCALE: 1:20	PROJECT No.: 2		
DRAWN BY: BHARGAV			

MIN. RUN DEPTH = 280MM
 MAX. RISER = REFER TO
 CALCCLS ON 15:1



• FOR LANDING DEPTH
 REFER TO CAD DETAILS



DATE: 17 JULY 2024	PROJECT TITLE: 2.1	DRAWING TITLE: STAIR SECTION	DRAWING No.: 16
SCALE: 1:100	PROJECT No.: 2		
DRAWN BY: BHARGAV			