PROJECT DESIGN BRIEF

PROJECT TITLE — PROVINCE OF ONTARIO MINISTRY OF TRANSPORTATION EQUIPMENT REPAIR AND STORAGE FACILITY

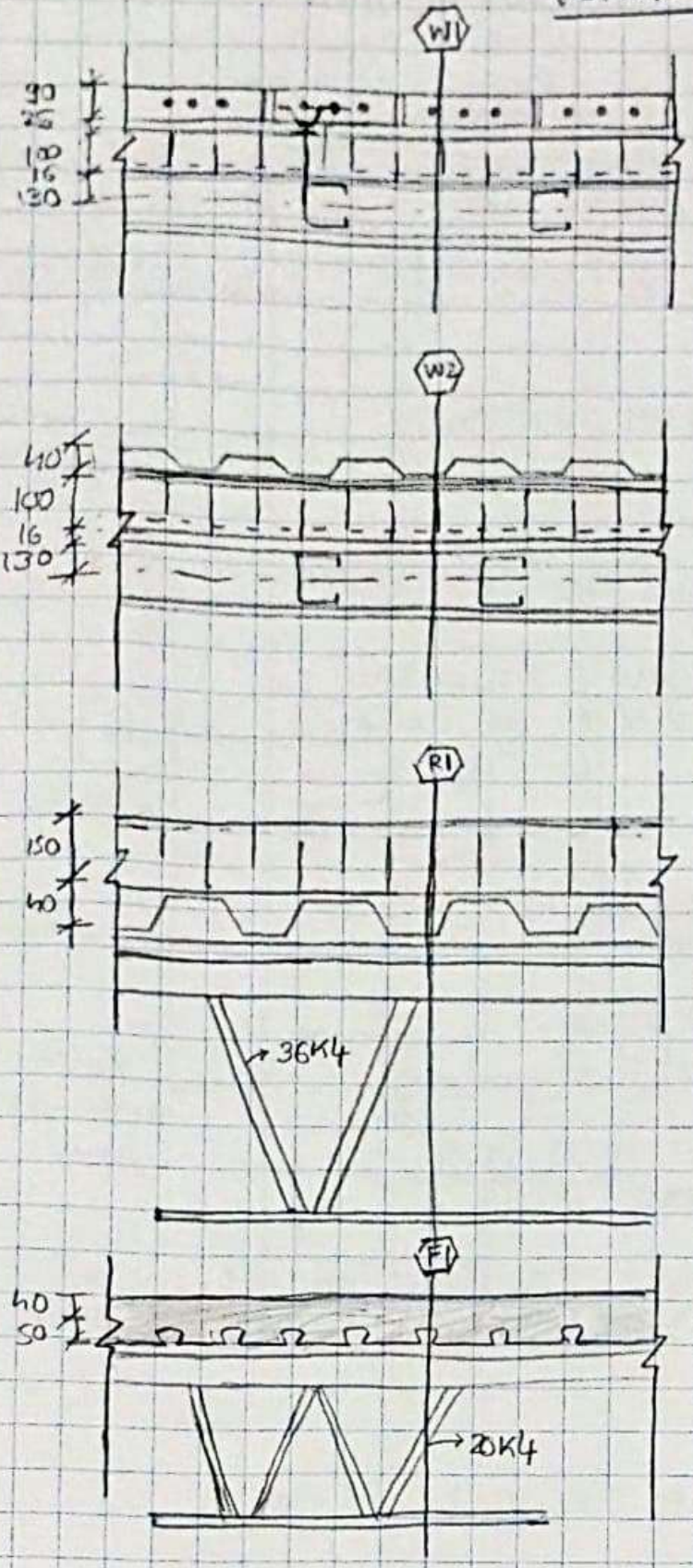
PROJECT LOCATION - CITY OF KINGSTON. ONTARIO

PROJECT NUMBER - WD IV S24 01

ZONE-6	DD - 4000
SB-10	TABLE 1.3.1.1
SB-10	TABLE 5.5.6

TABLE OF CONTENT

BASIS OF DESIGN



W1:

1. METRIC JUMBO BRICK VENEER ARCHITECTURE SERIES
2. AIR SPACE
3. EXTRUDED POLYSTYRENE RIGID INSULATION (100 MM)
4. VAPOUR BARRIER
5. GLASS MAT GYPSUM EXT. SHEATHING
6. 1.6 MM LIGHT WEIGHT STEEL FRAMING, BACKUP WALL
7. PAINT FINISH

W2

1. VICWEST CL 6025 EXPOSED FASTENER CLADDING THICKNESS = 0.912 MM
2. Z GIRTS (DEPTH REQUIRED BY RS1.0B C.)
3. GLASS MAT- GYPSUM EXT. SHEATHING
4. VAPOUR BARRIER
5. 1.6 MM LIGHT WEIGHT STEEL FRAMING BACKUP WALL
6. PAINT FINISH

R1

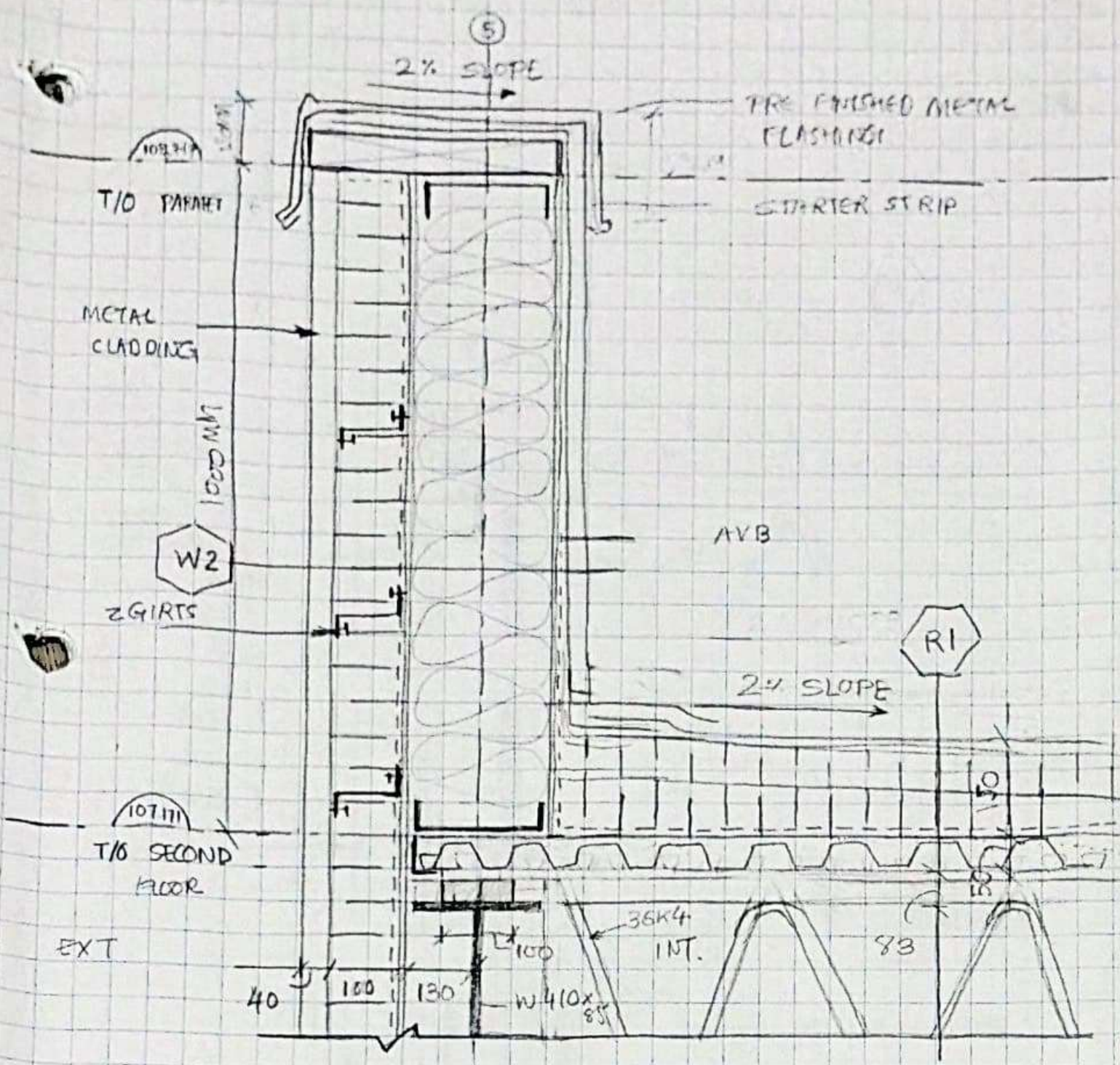
1. SOPREMA 2 PLY MOD BITUMINOUS
   - CAP SHEET MINERAL COATED
   - BASE SHEET
   - PROTECTION BOARD
   - CROSS BRACING @ 9000 c/c
2. RIGID INSULATION POLYISOCYANURATE (CRSI AS PER OBC) (150 MM) OWSJ @ 1200 O/C

ROOF DECK - 40 MM
CONCRETE TOPPING - 40 MM
FLOOR DECK - 50 MM
OSWJ - ROOF - 36K4 | FLOOR 20K4

ASK

PROJECT 1.1
COURSE ARC 8404C-010
ASSEMBLY DETAILS
BHARGAUKUMAR MISTRY

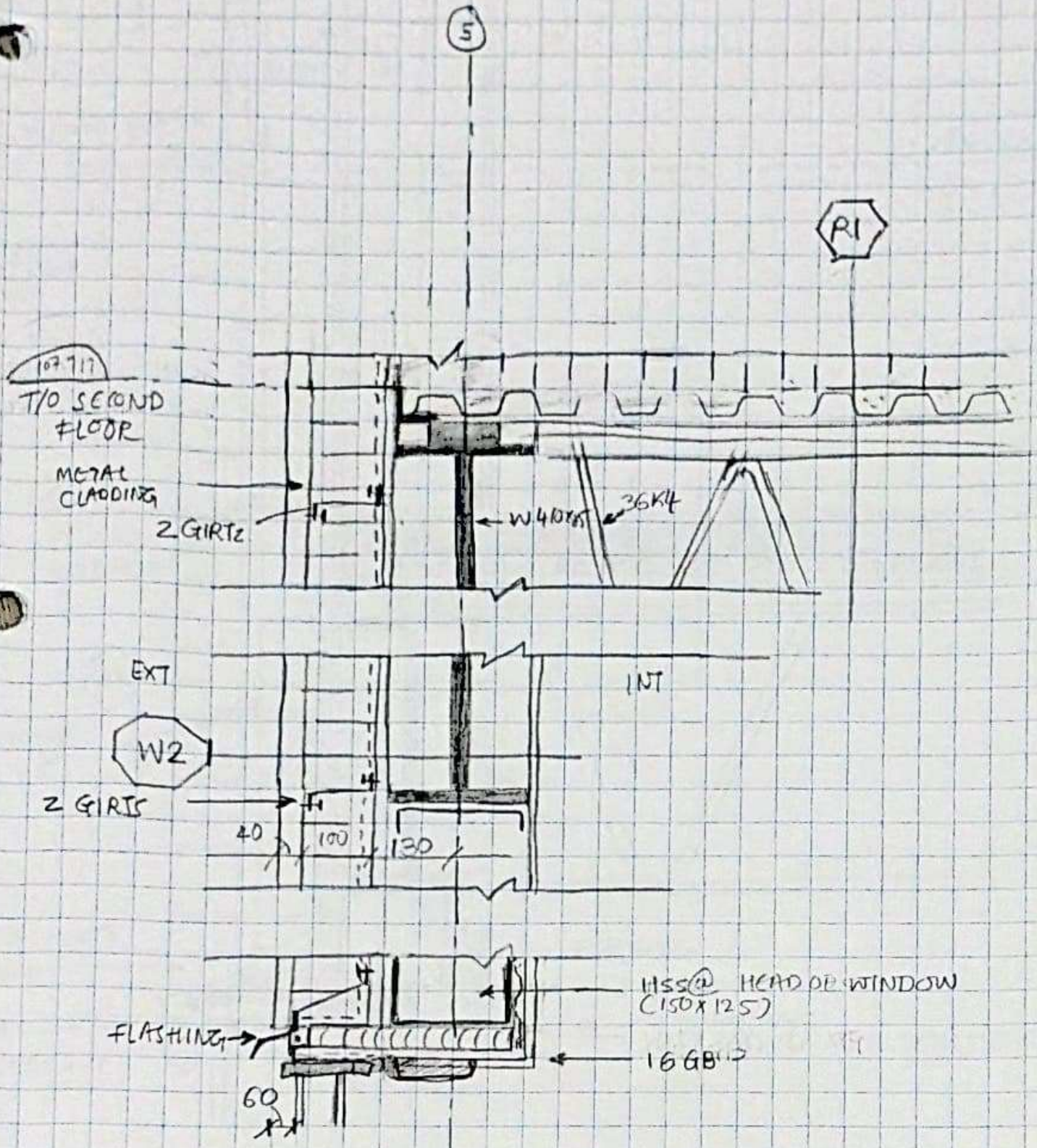
01



PROJECT 1.1
COURSE ARC3404C-010
SCALE 1:10
BHARGAVKUMAR MISTRY

PARAPET INCLUDING WINDOW HEAD

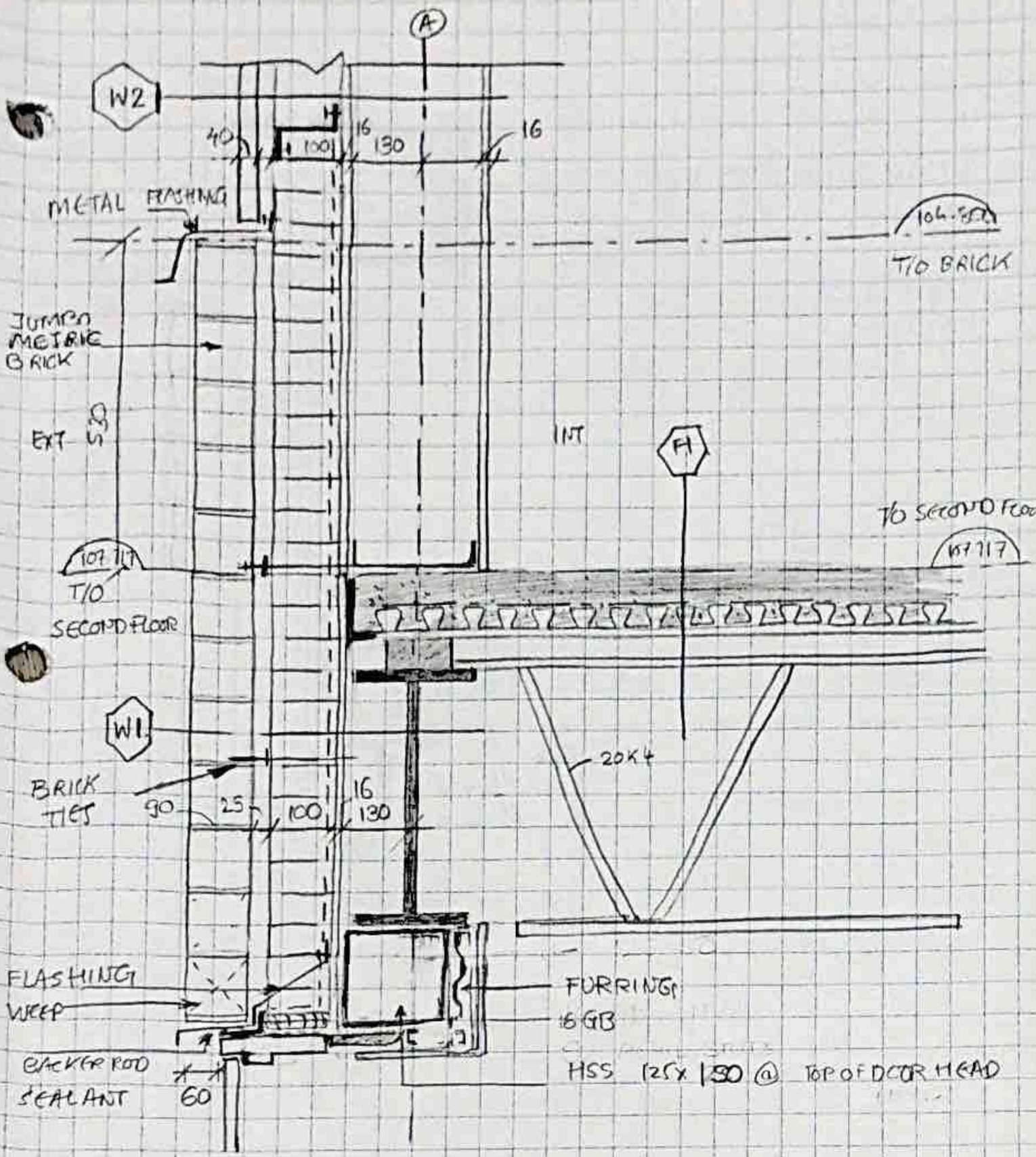
ASK 02



PROJECT 1.1
COURSE ARC 8404 C-010
SCALE 1:10
BHARGAVKUMAR MISTRY

PARAPET INCLUDING WINDOW HEAD

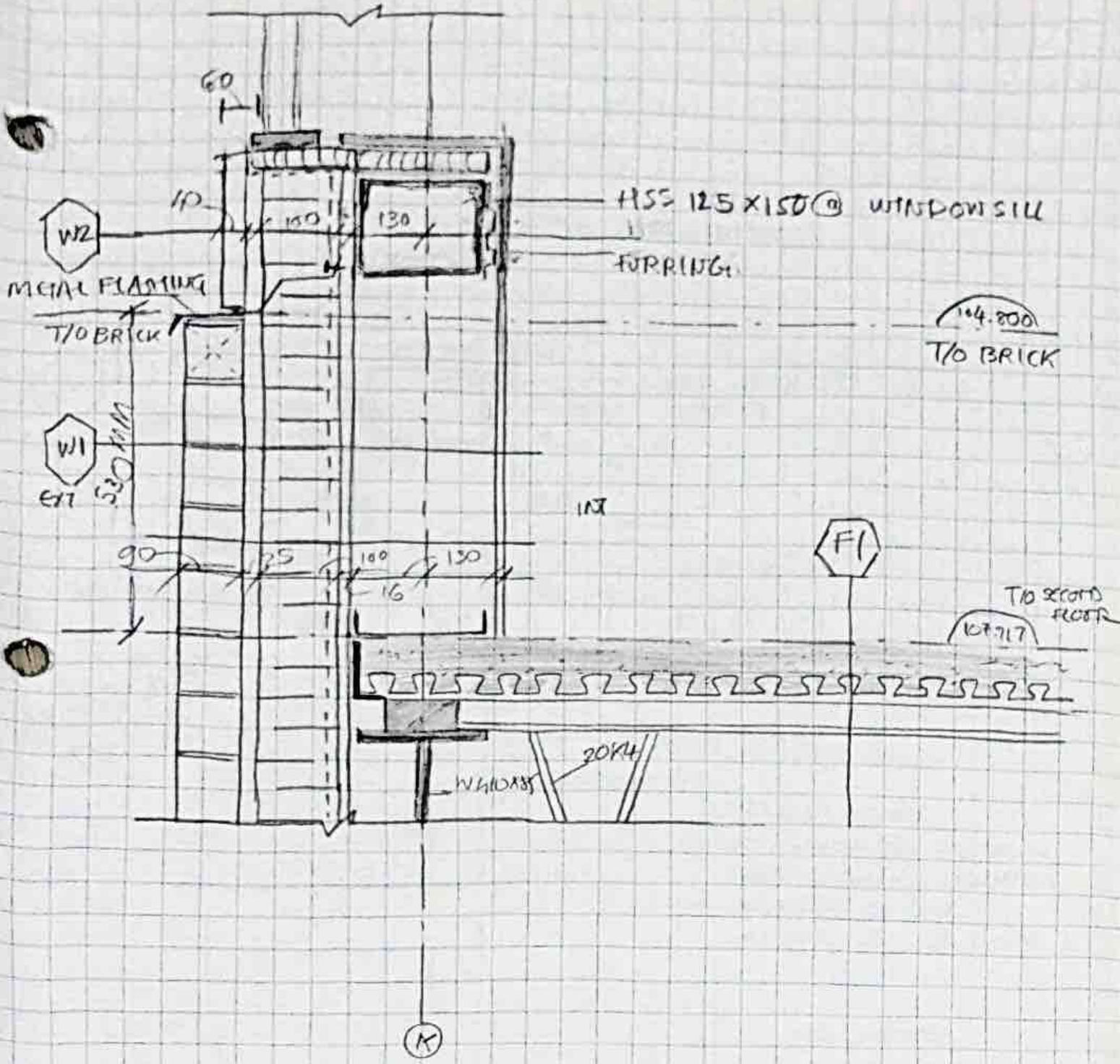
ASK 2.1



PROJECT 1:1
COURSE ARC 3404C-010
SCALE 1:10
BHARGAV KOTHARI MISTRY

SECOND FLOOR INCLUDING WINDOW SILL AND EXTERIOR DOOR HEAD

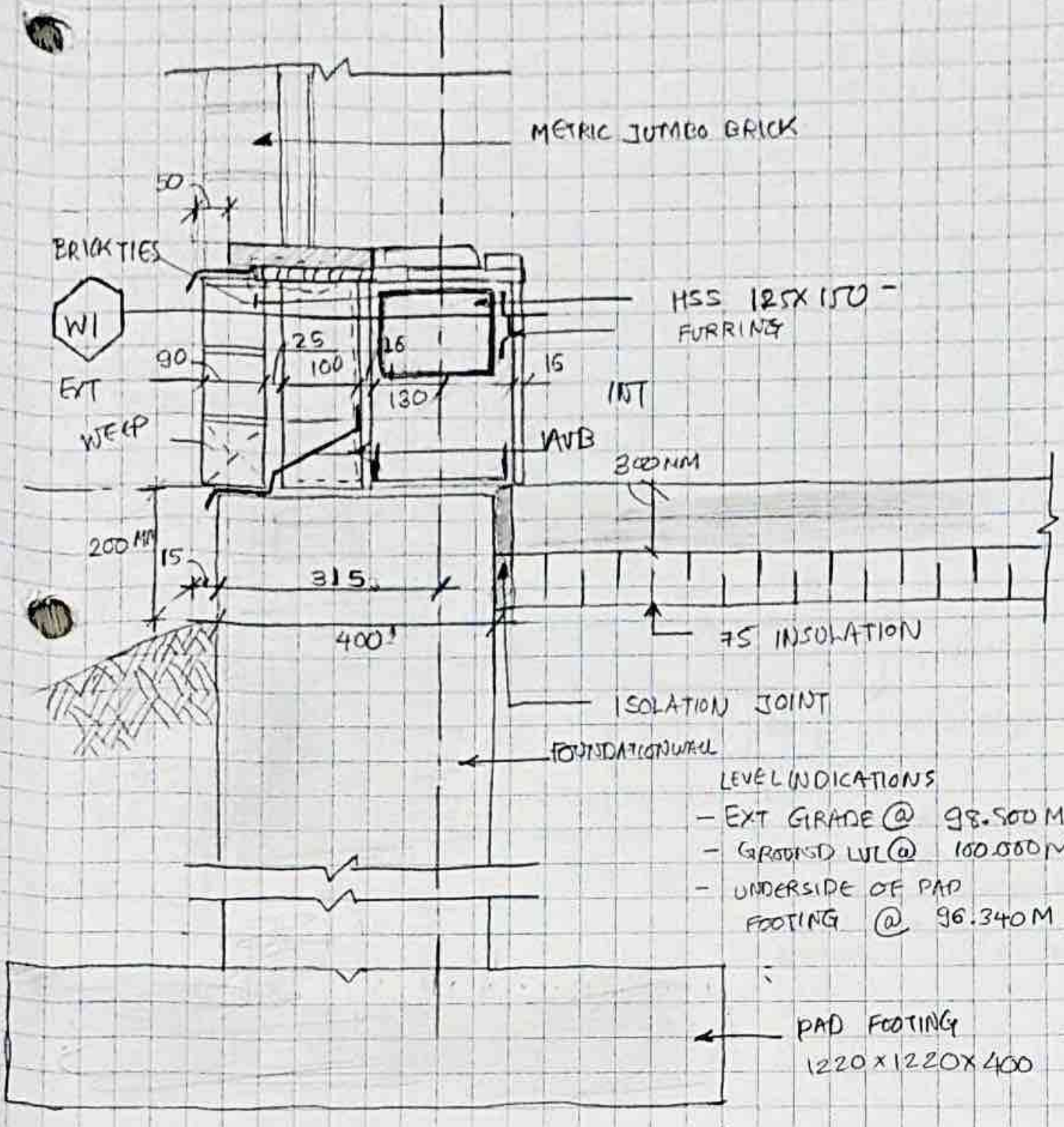
ASK
03



PROJECT 1.1
COURSE ARC 2404C 010
SCALE 1:10
BHARGAVKUMAR MISTRY

SECOND FLOOR INCLUDING WINDOW SILL AND EXTERIOR DOOR HEAD

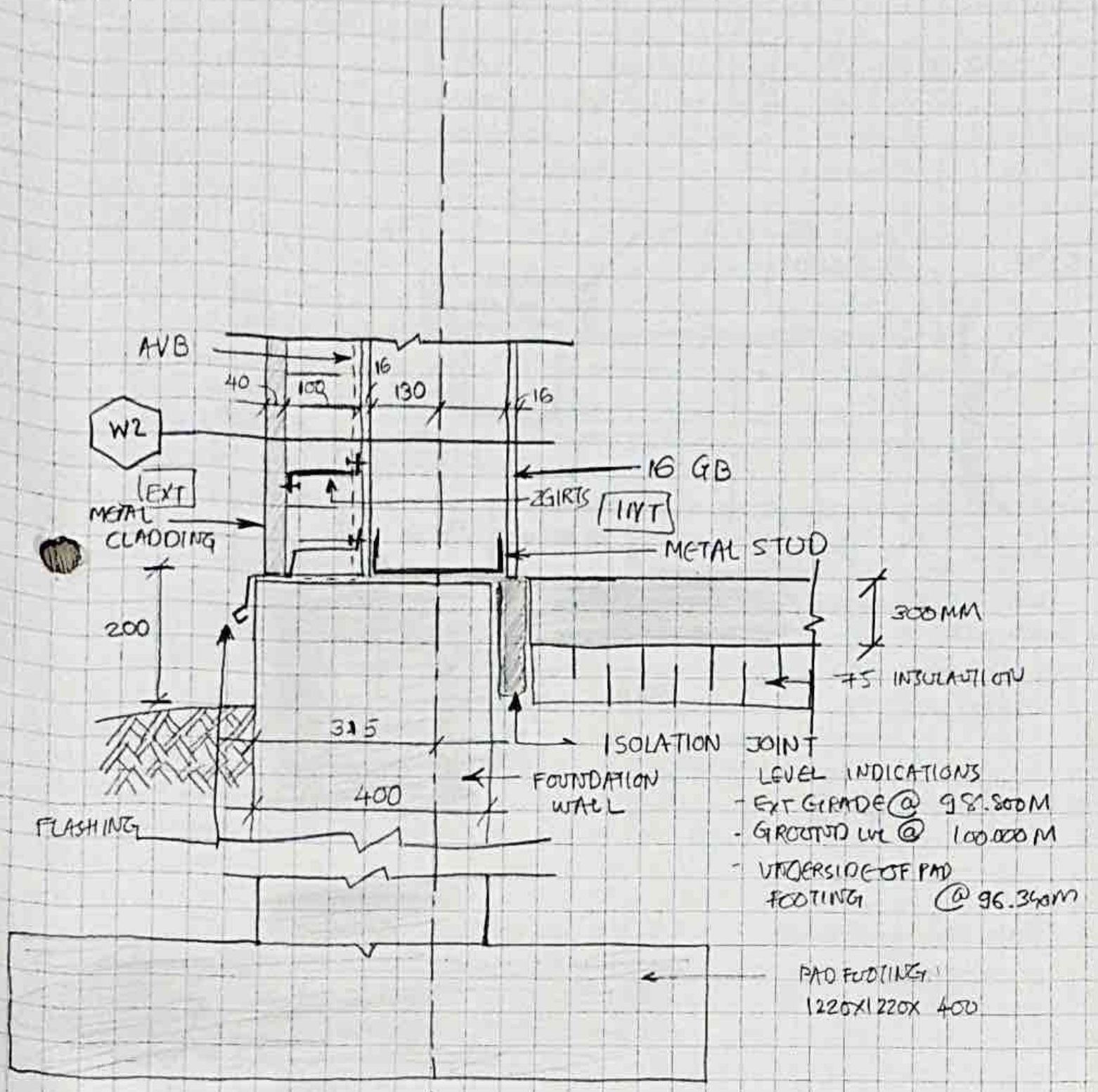
ASK
3.1



PROJECT 1.1
COURSE ARC8404C-010
SCALE 1:10
BHARGAV KUMAR MISTRY

BVSS WALL SYSTEM BASE FOUNDATION DETAIL INCLUDING WINDOW SILL

ASK
04

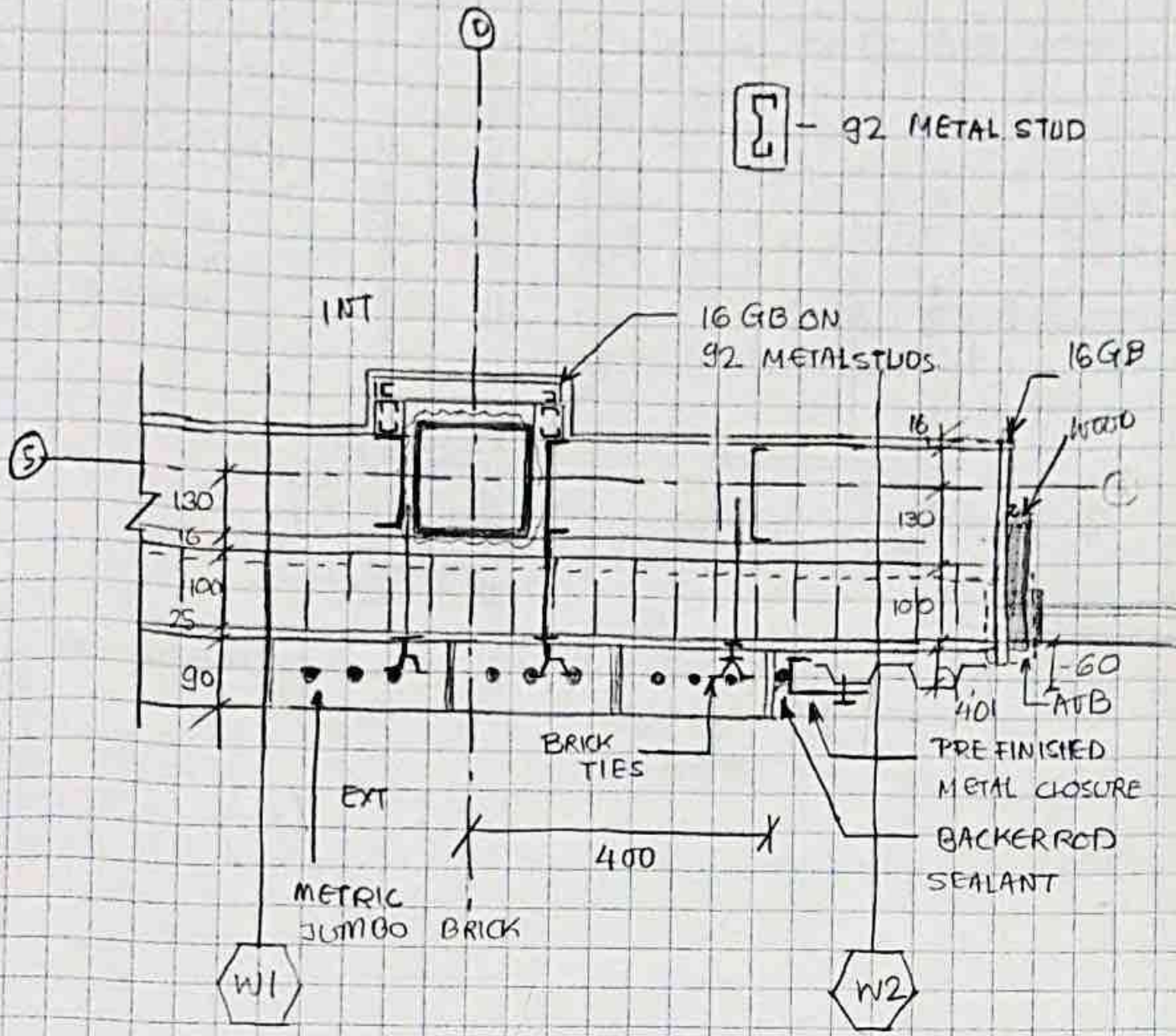


PROJECT 1.1
COURSE ARC 8404C-010
SCALE 1:10
BHAGAVATKUMAR MISTRY.

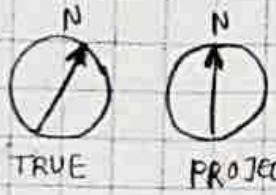
METAL SHEET CLADDING ZGIRT STEEL STUD SYSTEM BASE/ FOUNDATION DETAIL

ASK

05



FRR ACCORDING TO TABLE 3.1.3.1. ADJOINING OCCUPANCIES

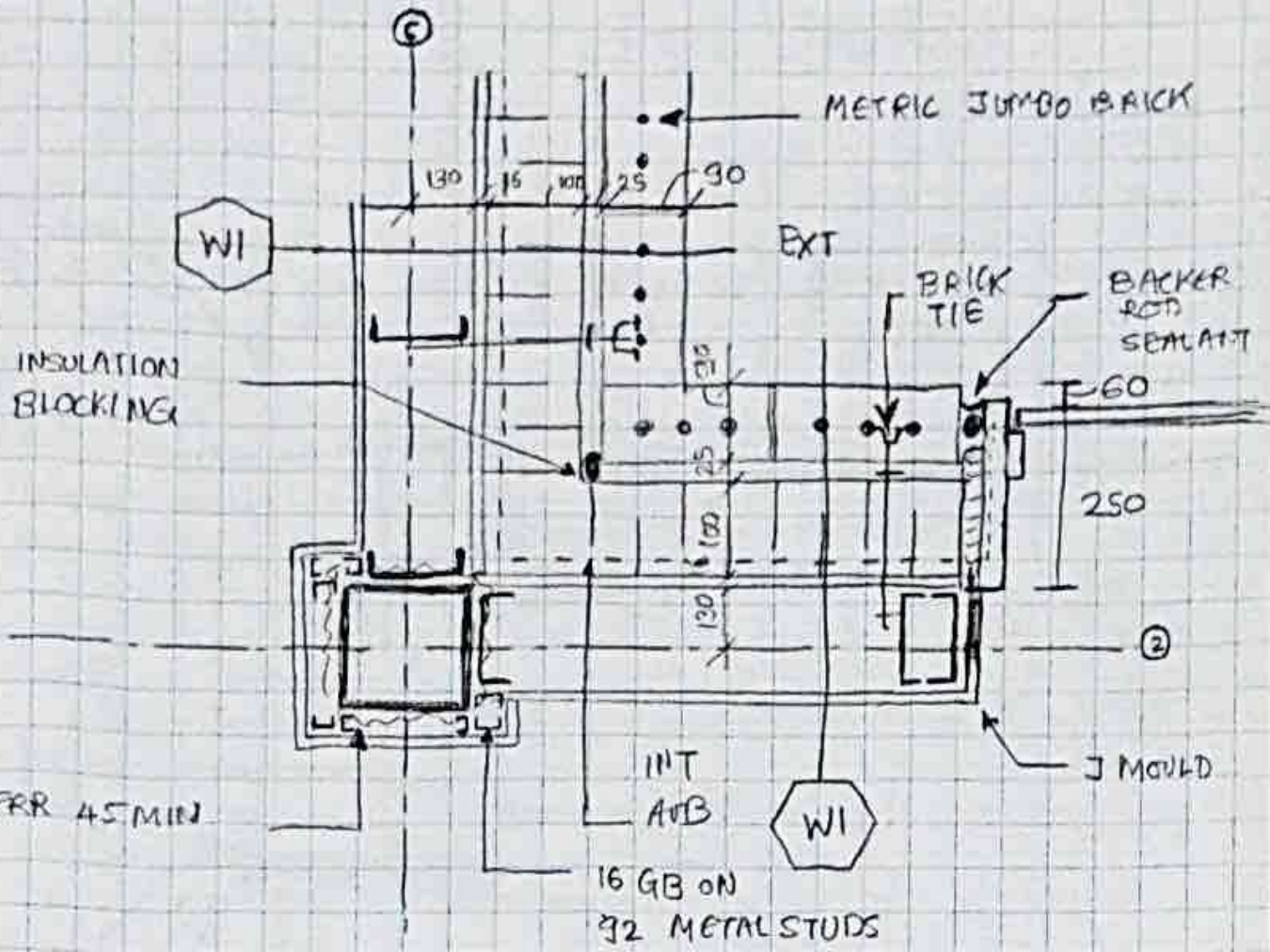


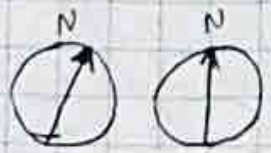
PROJECT 1.1
COURSE ARC 8404 C : 010
SCALE 1:10
BHARGAVKUMAR MISTRY

TYPICAL BRICK VENEER / METAL SHEET CLADDING 2 6IRT SYSTEM INTER SECTION WITH WINDOW JAMB

ASK

06





TRUE PROJECT

PROJECT 1.1

COURSE ARC 2404-C-010

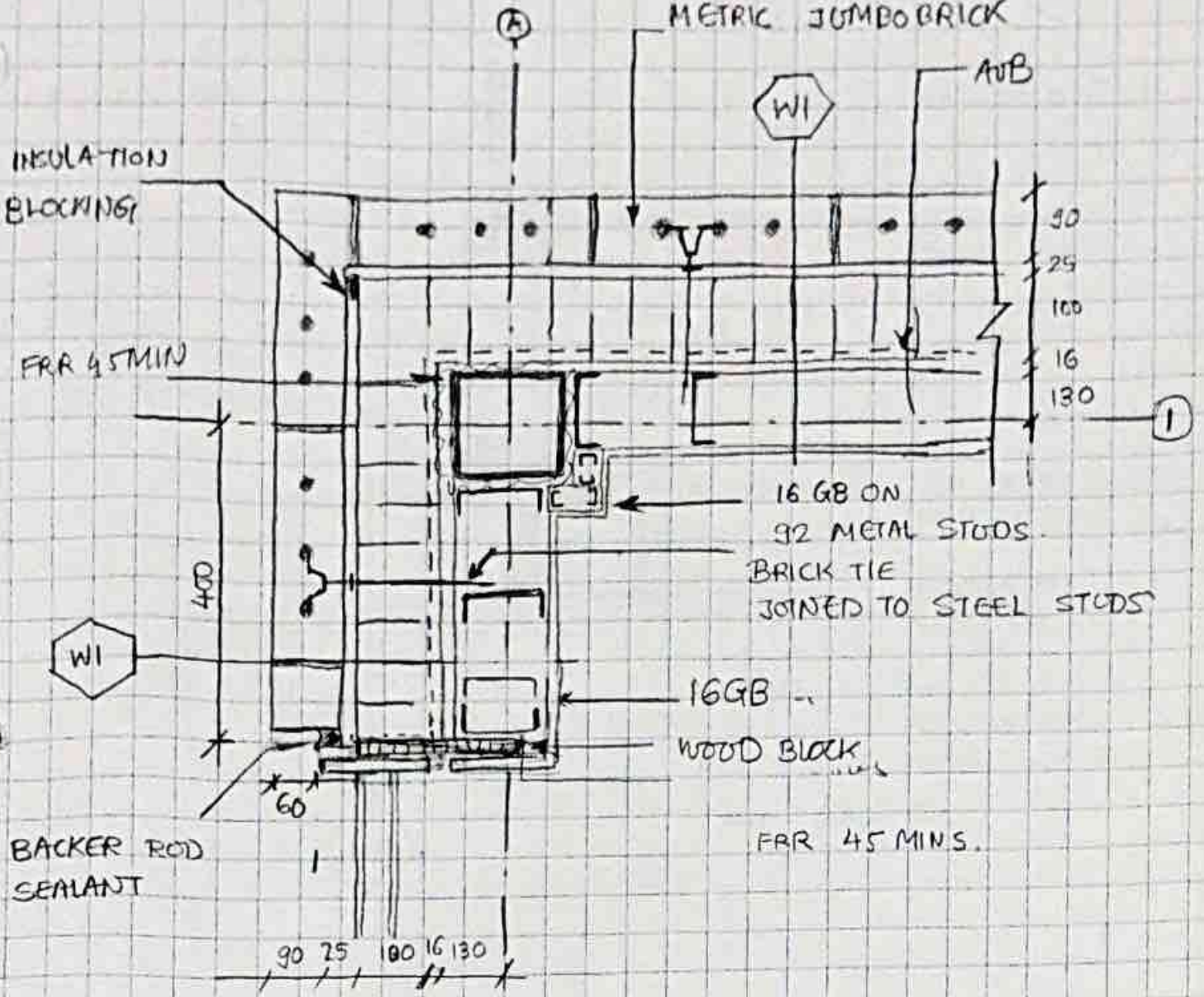
SCALE 1:10

© HARGAUKOMAR MISTRY

TYPICAL BRICK VENEER INSIDE CORNER INCLUDING METAL EXIT DOOR STEEL JAMB

ASK

07



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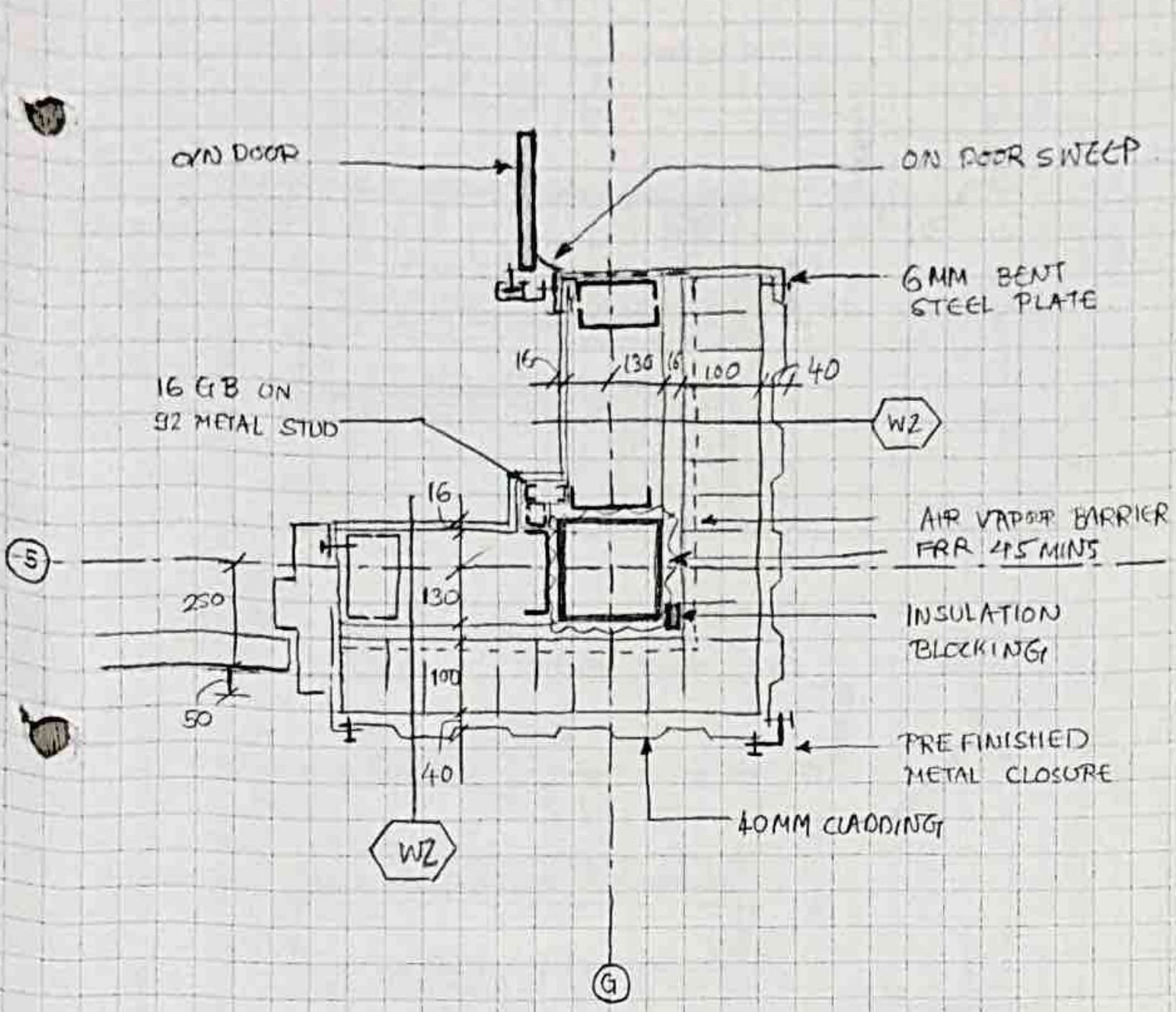
TRUE PROJECT

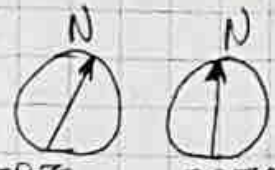
PROJECT	1.1
COURSE	ARC8404C-010
SCALE	1:10
BHARGAV KUMAR	MISTRY

TYPICAL BRICK VENEER WALL SYSTEM OUTSIDE CORNER INCLUDING WINDOW JAMB

ASK

08



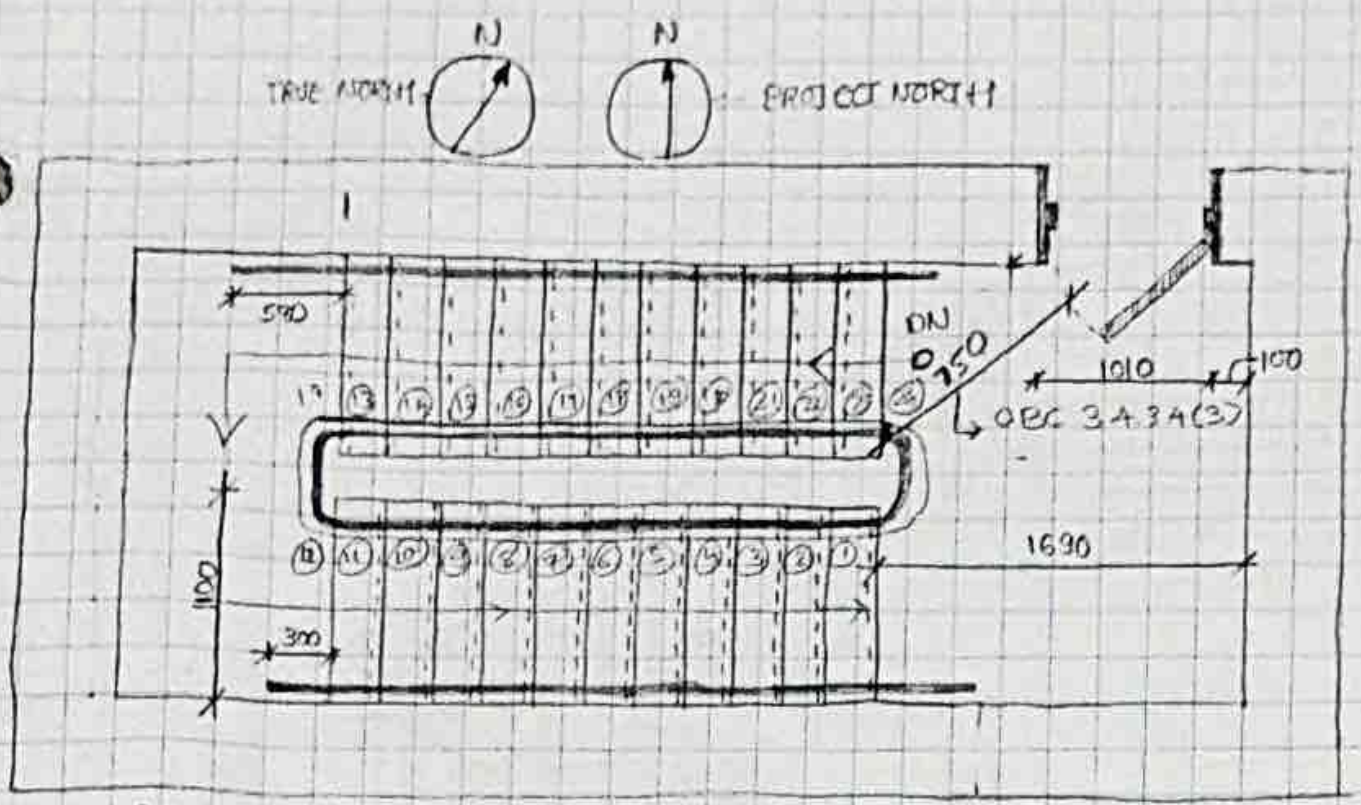


PROJECT 1.1
COURSE ARC 8404C-010
SCALE 1:10
BHARGAVKUMAR MISTRY

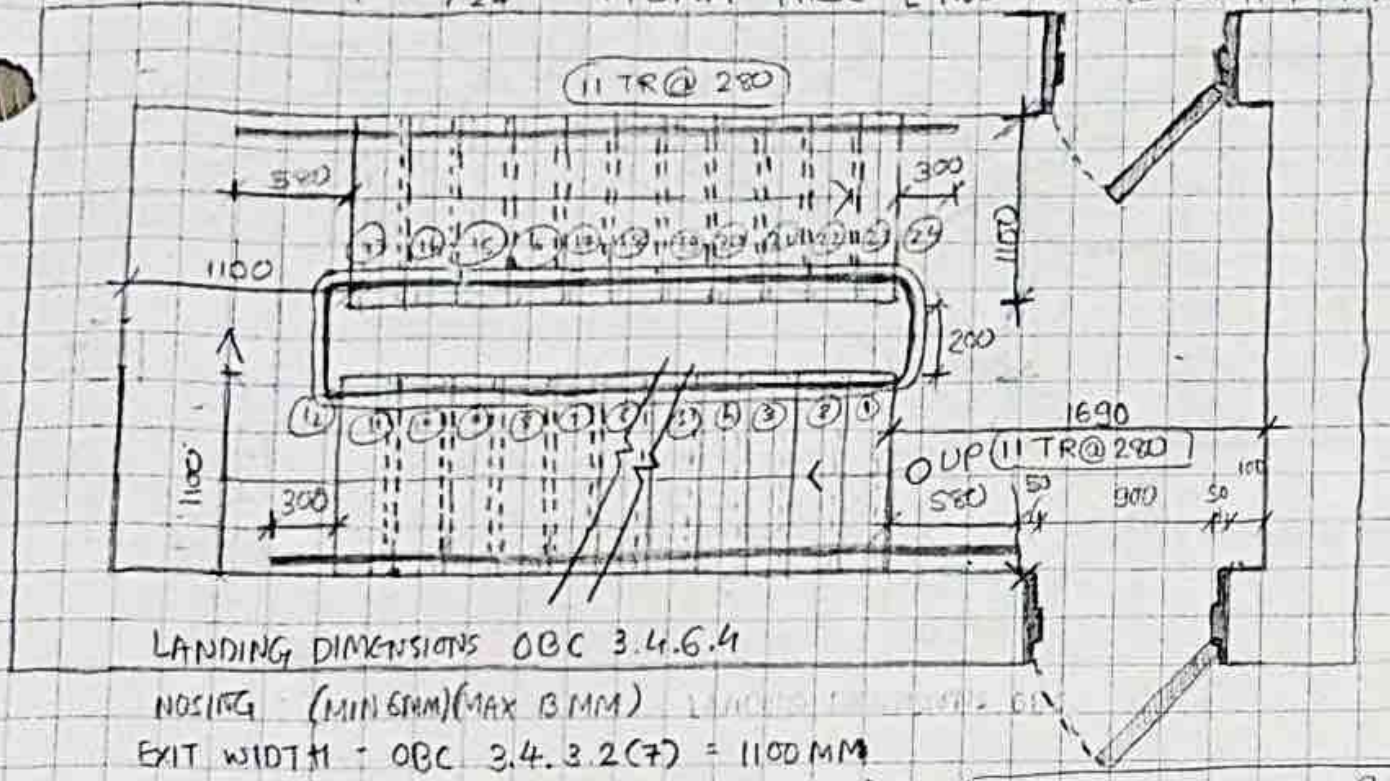
TYPICAL METAL SHEET CLADDING Z GIRT SYSTEM OUTSIDE CORNER INCLUDING OVERHEAD DOOR JAMB

ASK

09



GROUND TO SECOND FLOOR = 4272 / 180 = 23.73 ≈ 24
RISE = 4272/24 = 178MM RISE [TWO FLIGHTS WITH 12 RISE]

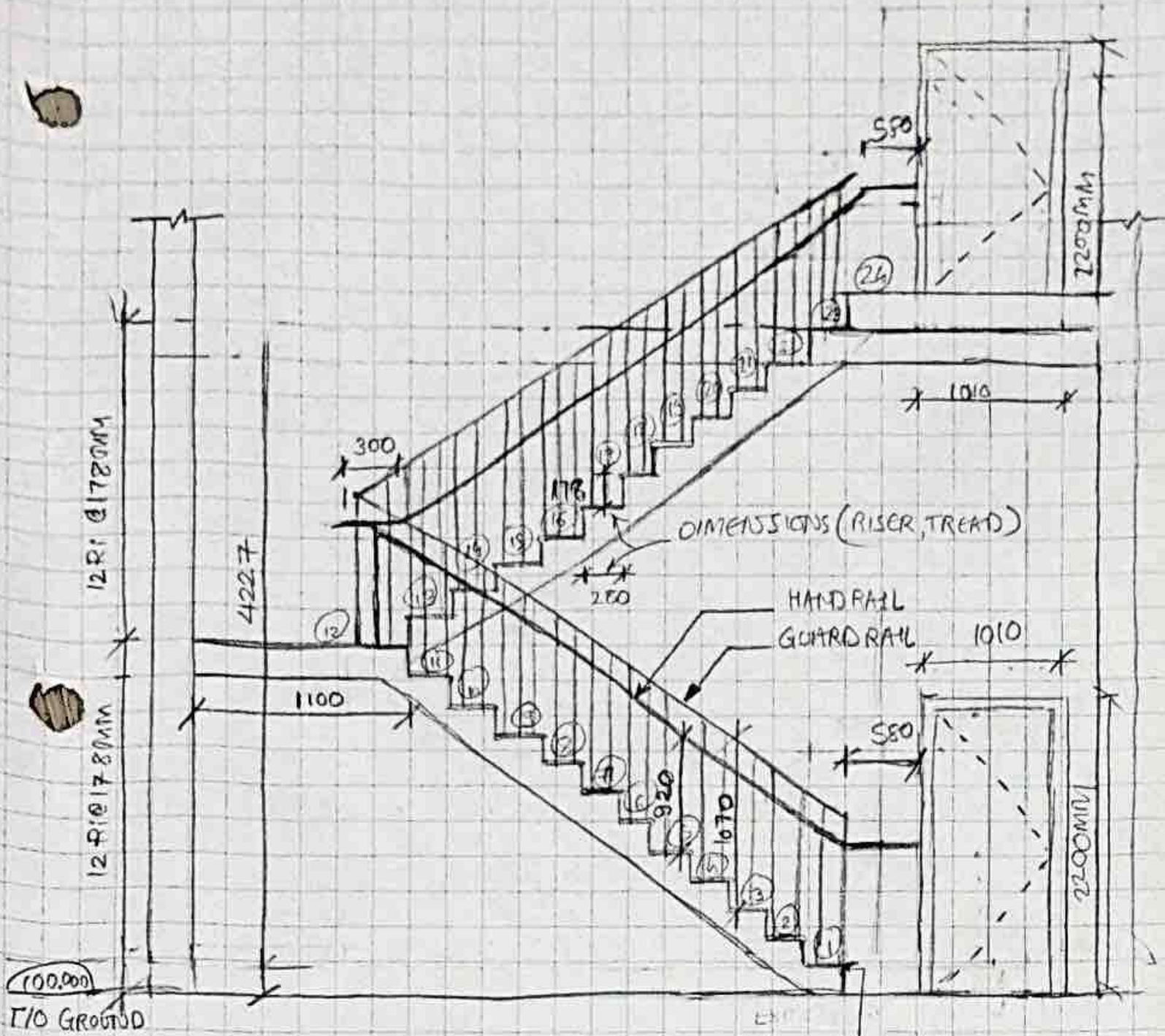


LANDING DIMENSIONS OBC 3.4.6.4
NOSING (MIN 6MM)(MAX 13MM)
EXIT WIDTH - OBC 3.4.3.2(7) = 1100 MM
SWING OF DOOR AND BAL. OBC 3.4.3.4(3)

EXIT REQUIREMENTS 3.10.2.5

PROJECT 1.1 EXIT STAIRS (PLANS) ASK
COURSE ARC 3404 - 010
SCALE 1:25
BHARAVKUMAR MISTRY

10



ARTICLE 3.4.6.8 TREADS & RISERS
MINIMUM RUN FOR STAIRS - 280 MM.
MAX RISE FOR STAIRS - 180 MM.

PROJECT 1.1 EXIT STAIRS (SECTION) ASK
COURSE ARC 8404C-010
SCALE 1:25
BHARGAVKUMAR MISTRY

10.1