

II. Design options prepared by UNDP - Orissa on behalf of United Nations Team for Recovery Support in Tamil Nadu

SPECIFICATIONS FOR PERMANENT HOUSES FOR TSUNAMI AFFECTED HOUSEHOLDS

Schedule of Items

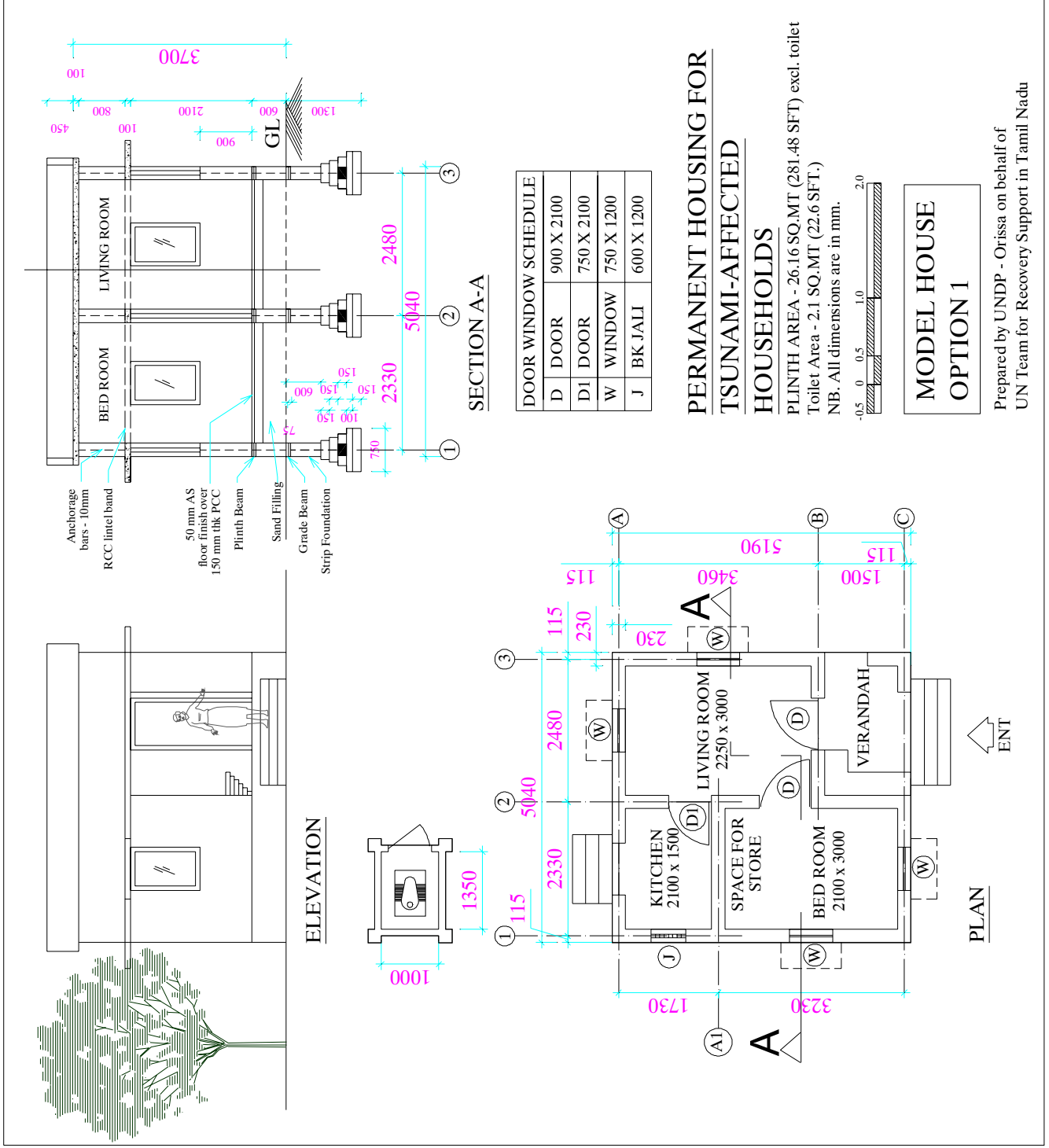
1.	Earthwork in excavation – trenches
2.	Strip Foundation through brick-work 1:6 in English bond in foundation
3.	Sand filling
4.	Providing 4" thick CC with (1:3:6) 40 mm HGS over sand filling
5.	M20 CC (1:1.5:3) in RCC Foundation Anchorage
6.	M20 CC (1:1.5:3) in Grade Beam at ground level
7.	Brickwork 1:6 in English bond or Rat-trap bond in superstructure with Anchorage
8.	M20 CC (1:1.5:3) in Plinth Beam at Plinth level
9.	M20 CC (1:1.5:3) in RCC throughout Lintel
10.	M20 CC (1:1.5:3) in RCC Chajja with minimum 150mm bearing on either side
11.	M20 CC (1:1.5:3) work in RCC Slab/ Filler Slab
12.	Mangalore tiles
13.	Providing ISI Standard of Anti Corrosion Steel
14.	Providing shuttering for RCC work
15.	Grading Plaster (1:4) - 6 mm thick - over roof
16.	Providing PCC (150 mm) below AS flooring
17.	AS flooring
18.	Inside plastering (1:6) CM
19.	Skirting inside the room (1:6) CM
20.	Outside Plastering (1:6) CM
21.	Door and window fittings and fixtures
22.	Electrical fixtures and fittings
23.	Toilet fittings and fixtures

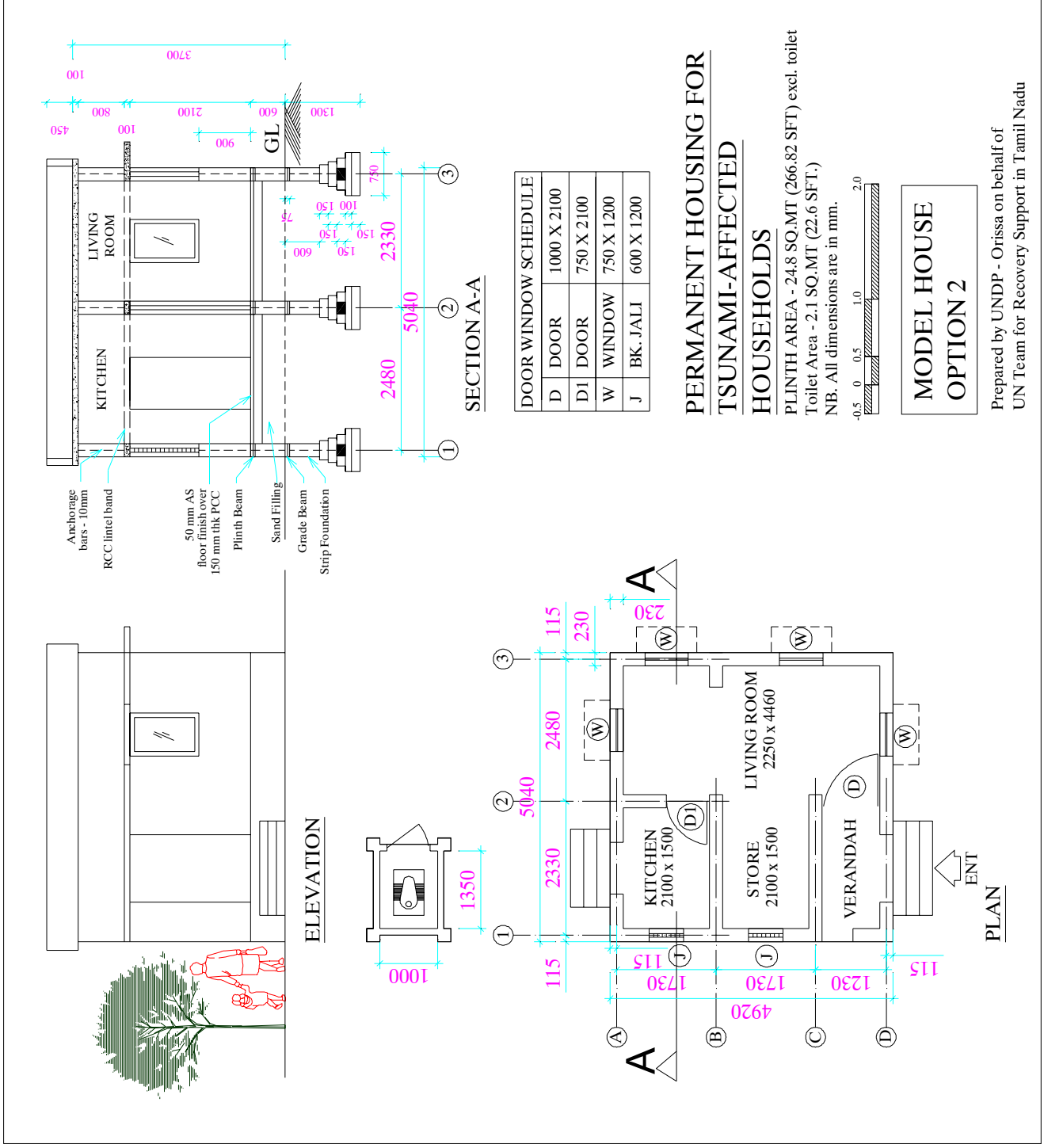
Specifications

Plinth height	600 mm minimum
Roof height	Less than or equal to 3000 mm
Brick wall	English bond/ Rat-trap Bond
Lintel	100 mm thick throughout as band
Roof Slab	100 mm thick RCC slab/ Filler Slab
Flooring	AS flooring or Indian floor finish over 150 thk PCC
White washing	Inside and outside surface

Building Materials

Brick	Fly Ash brick/ Kiln burnt brick
Sand	River sand
Cement	53 grade ISI standards
Steel	ISI standard HYSD steel bars
Chips	Crusher/ Hand broken
Door	Non-sal wood / Iron doors
Window	Non-sal wood with iron grills / Iron window





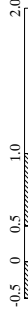
DOOR WINDOW SCHEDULE

D	DOOR	1000 X 2100
D1	DOOR	750 X 2100
W	WINDOW	750 X 1200
J	BK. JALI	600 X 1200

PERMANENT HOUSING FOR TSUNAMI-AFFECTED HOUSEHOLDS

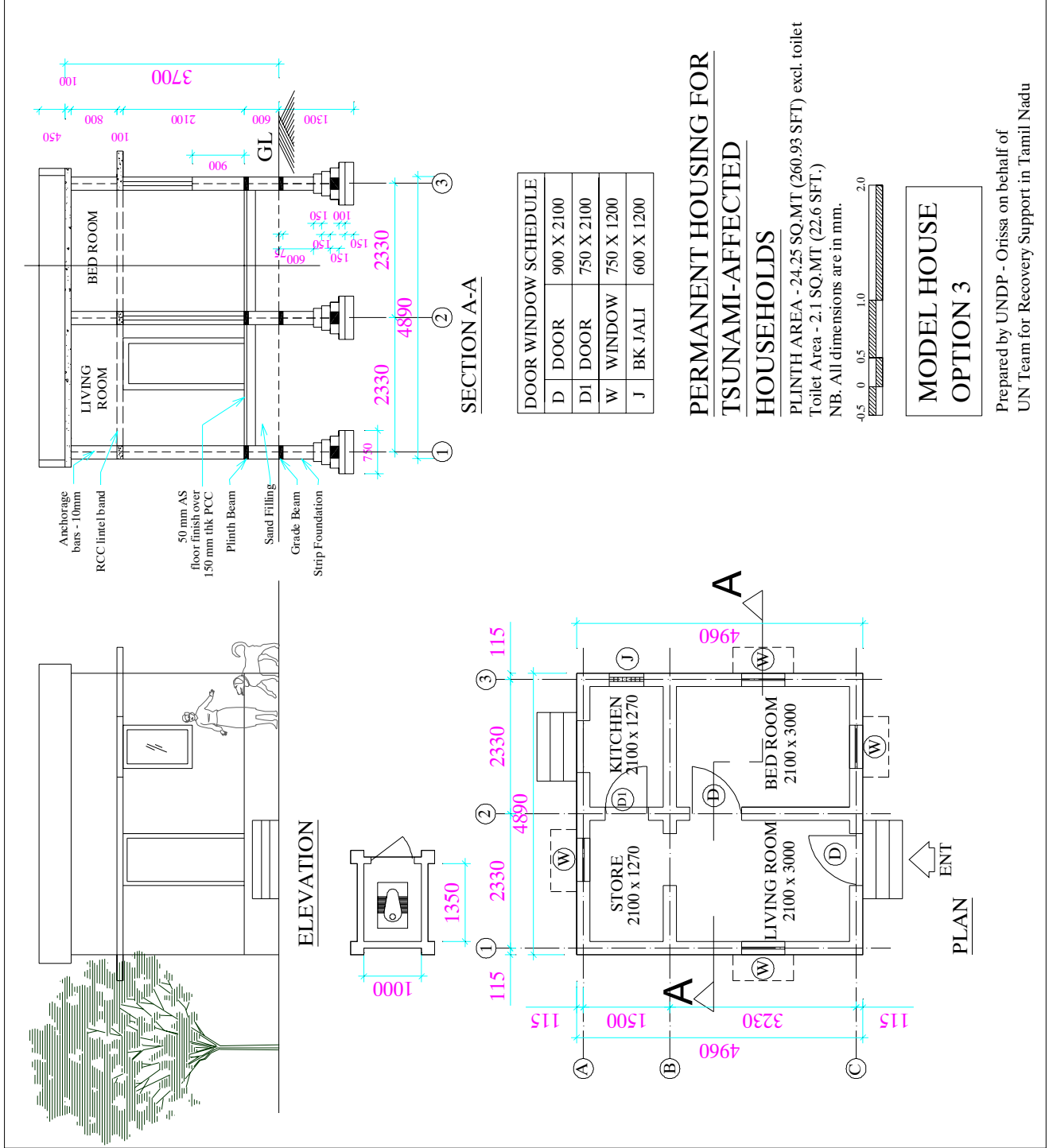
PLINTH AREA - 24.8 SQ.MT (266.82 SFT) excl. toilet
 Toilet Area - 2.1 SQ.MT (22.6 SFT.)

NB. All dimensions are in mm.



MODEL HOUSE OPTION 2

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