

www.autodesk.com/revit

Owner

ISHWAR KOLI

CENTRE LINE PLAN

Project number 0003

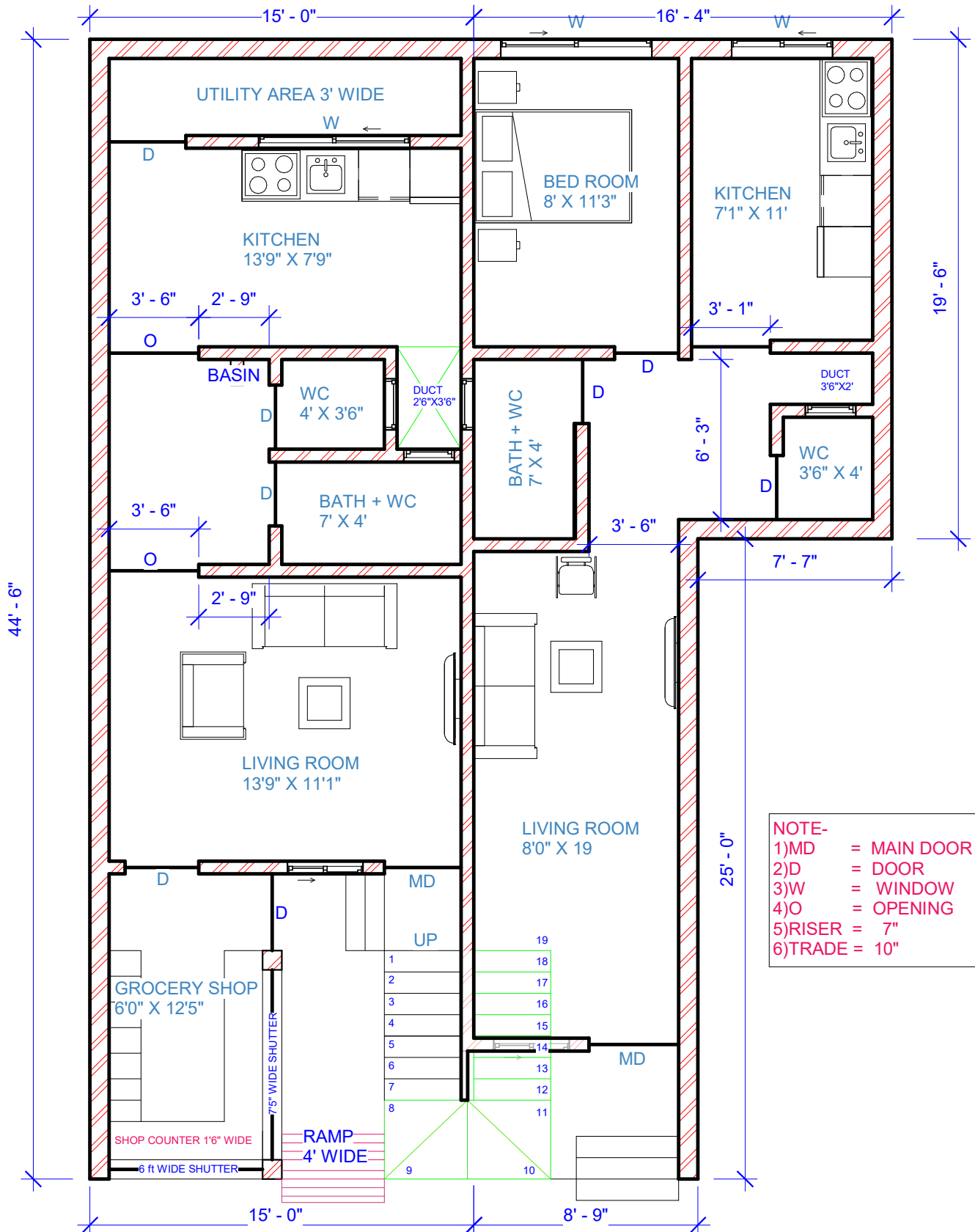
Date 21 April

Drawn Er.Sagar Mahajan

Checked by Er.Sagar

P3D4

Scale 1 : 65



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Owner

ISHWAR KOLI

GROUND FLOOR PLAN

Project number 0003

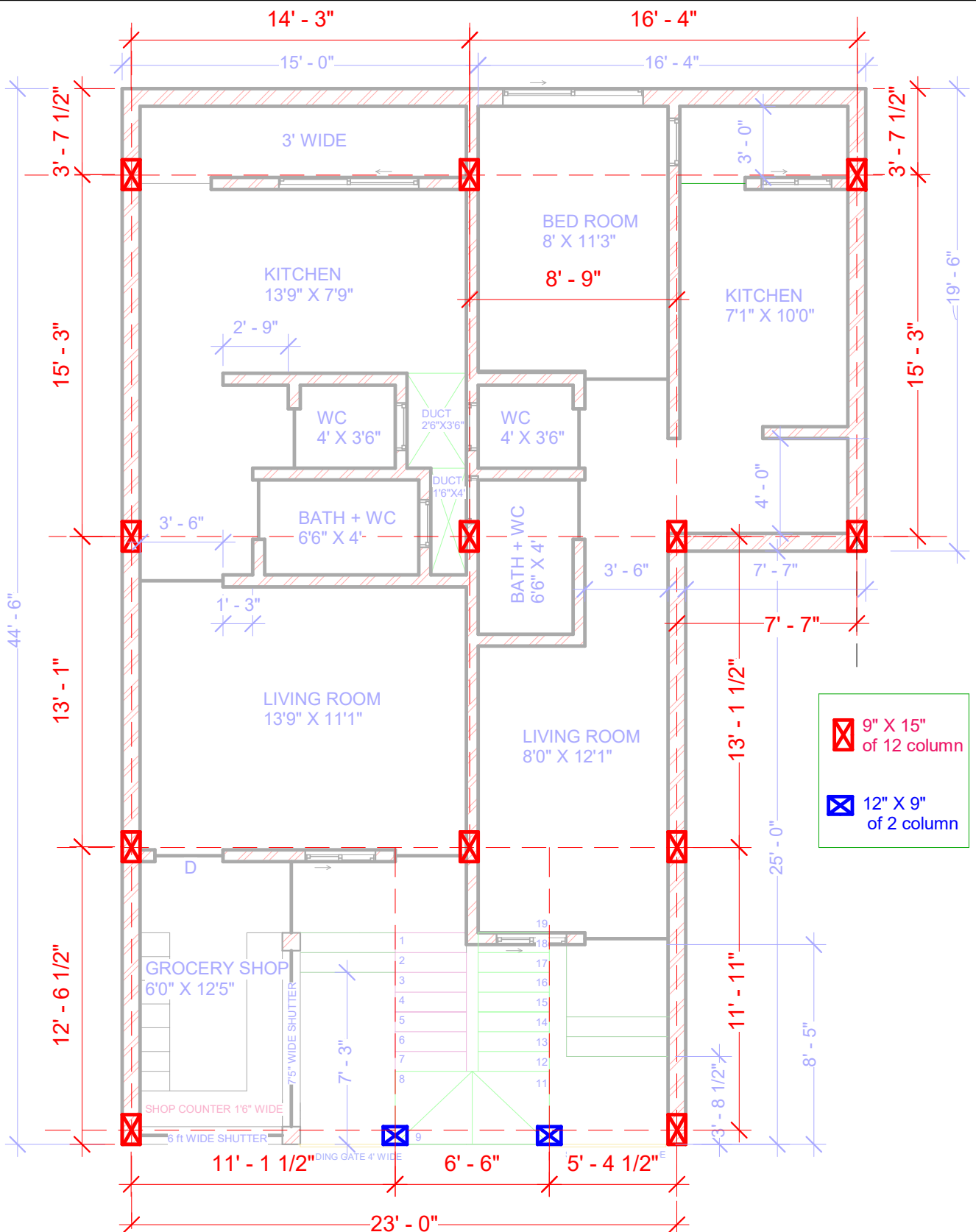
Date Issue Date

Drawn Er.Sagar Mahajan

Checked by Er.Sagar

P3D1

Scale 1 : 60



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Owner

ISHWAR KOLI

CENTRE LINE PLAN

Project number 0003

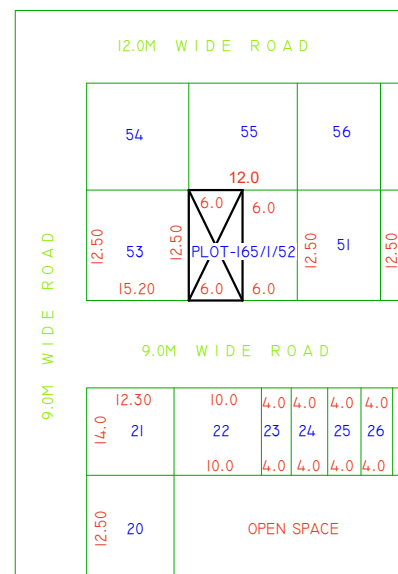
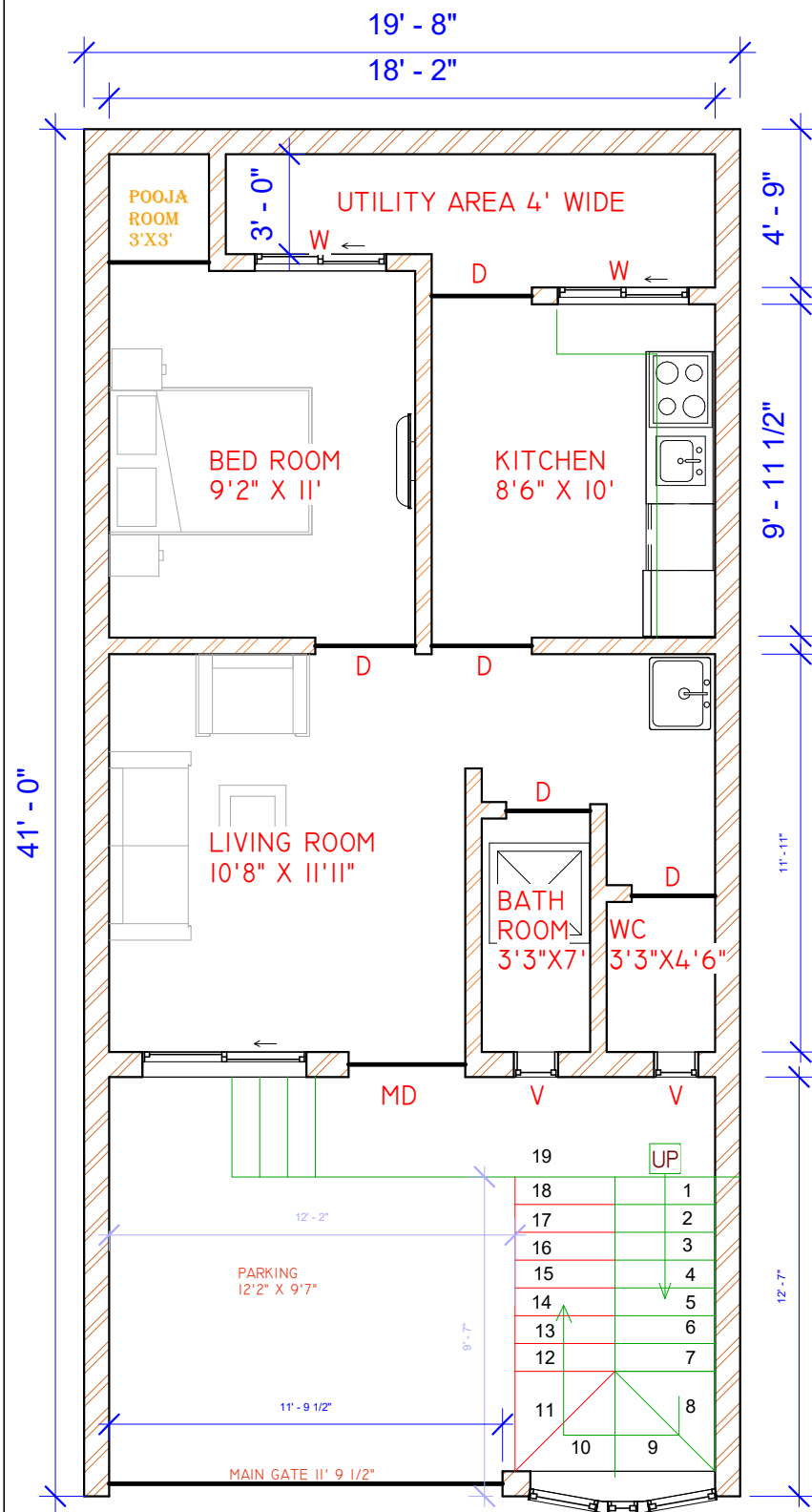
Date 21 April

Drawn Er.Sagar Mahajan

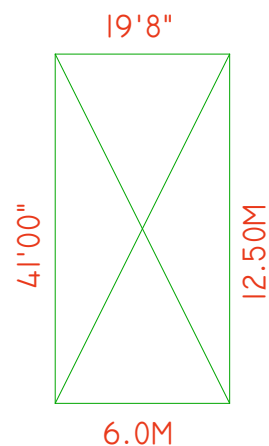
Checked by Er.Sagar

P3D4

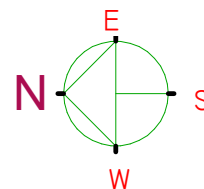
Scale 1 : 65



PLOT-165/I/52



PLOT-165/I/52



www.autodesk.com/revit

Owner
**Mr.KAILAS
 MAHAJAN**

PLOT SIZE 6M X 12.50 WEST
 FACING

Project number 0011

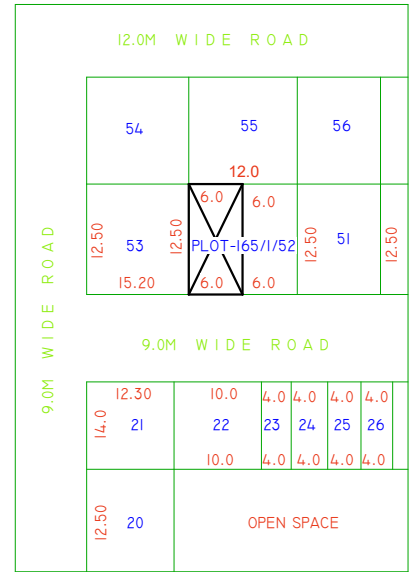
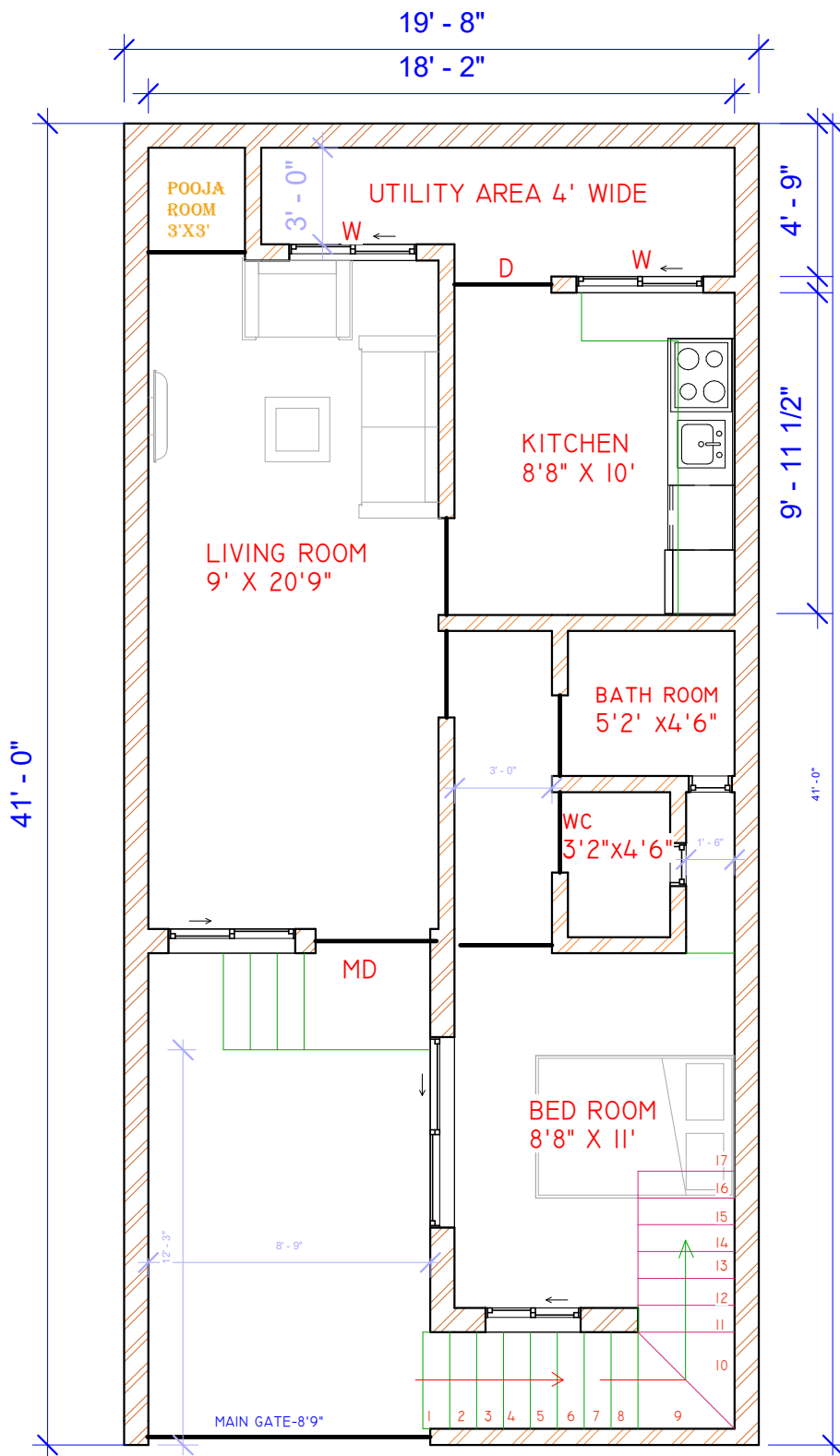
Date 09 FEB 2022

Drawn Er.Sagar Mahajan

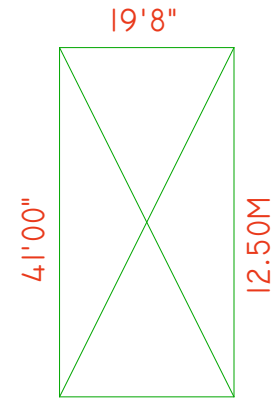
Checked by Er.Mahajan

A002

Scale 1 : 60

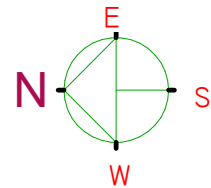


PLOT-165/I/52



6.0M

PLOT-165/I/52



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Owner
Mr.KAILAS
MAHAJAN

PLOT SIZE 6M X 12.50 WEST
FACING

Project number 0011

Date 09 FEB 2022

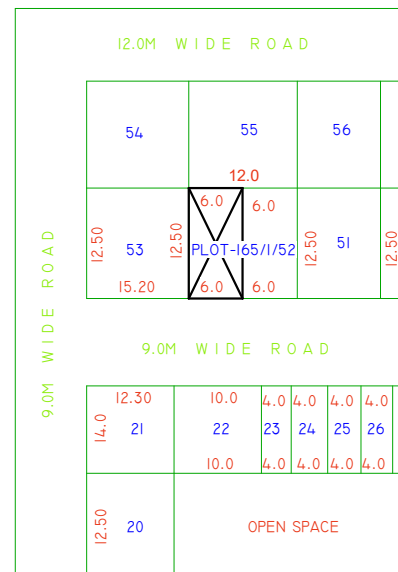
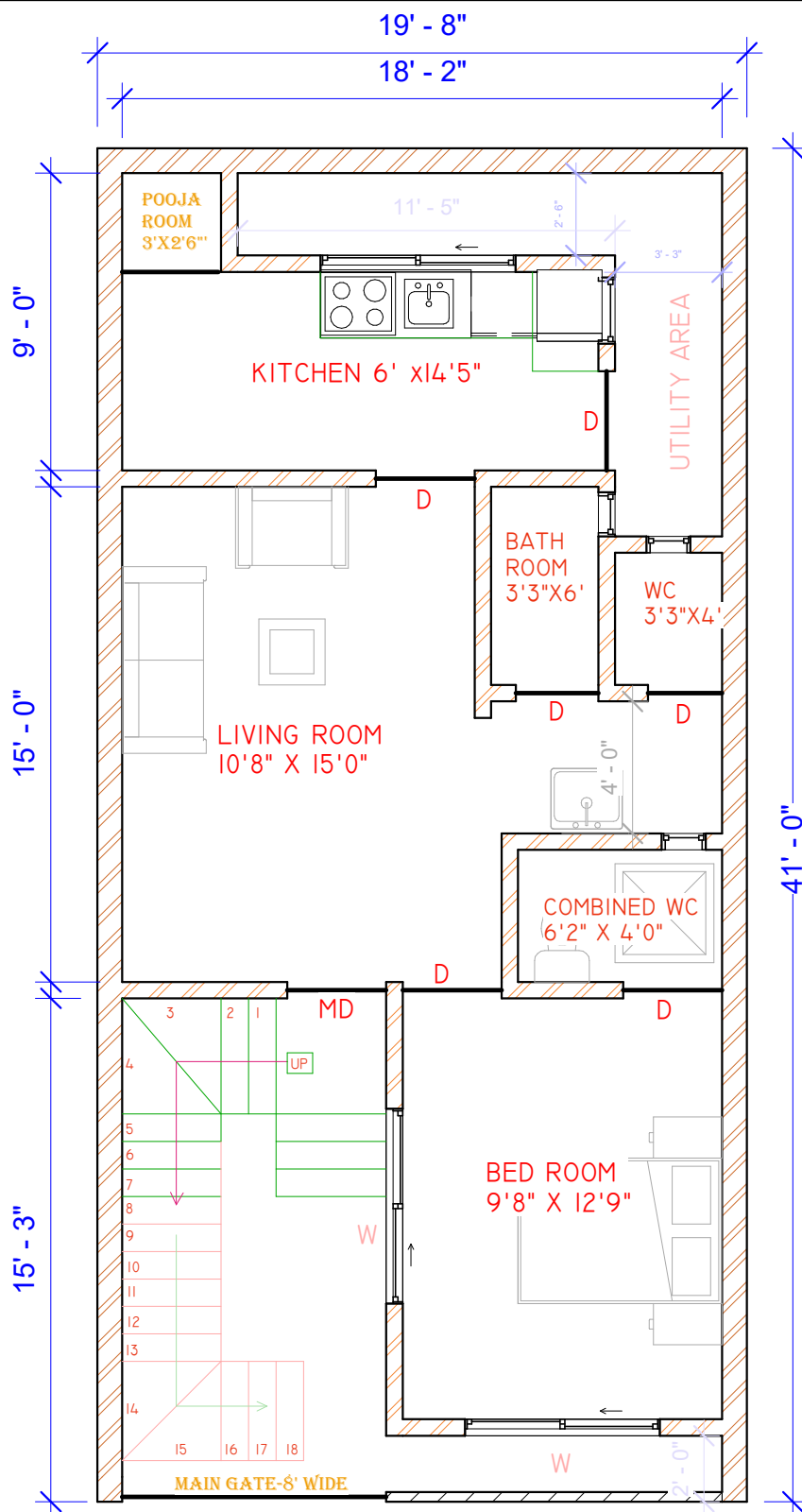
Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

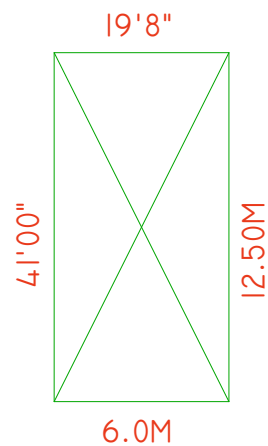
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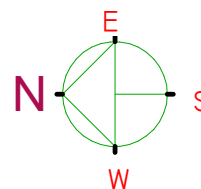
09-02-2022 11.25.05 AM



PLOT-165/I/52



PLOT-165/I/52



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Owner
**Mr.KAILAS
 MAHAJAN**

PLOT SIZE 6M X 12.50 WEST
 FACING

Project number 0011

Date 09 FEB 2022

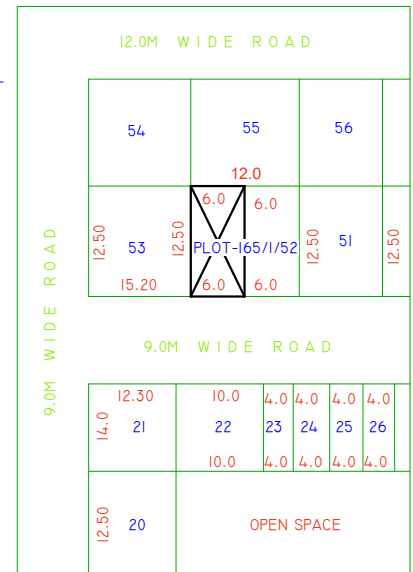
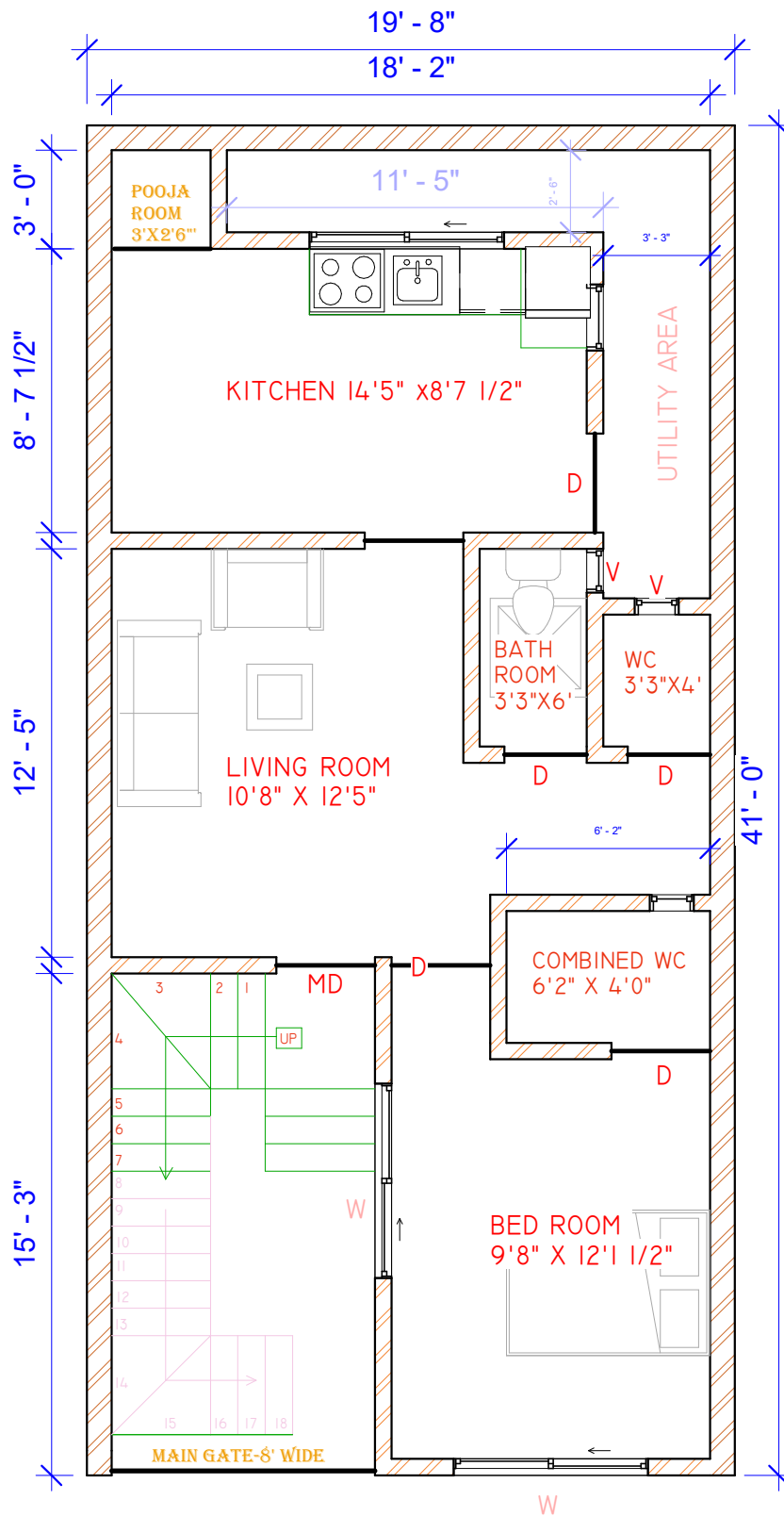
Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

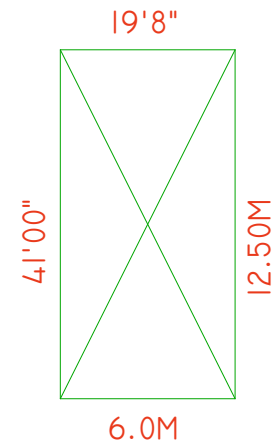
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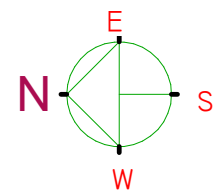
09-02-2022 12.14.01 PM



PLOT-I65/I/52



PLOT-I65/I/52



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Owner
Mr.KAILAS
MAHAJAN

PLOT SIZE 6M X 12.50 WEST
FACING

Project number 0011

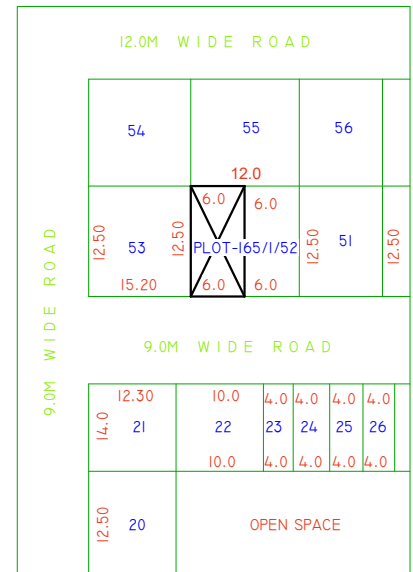
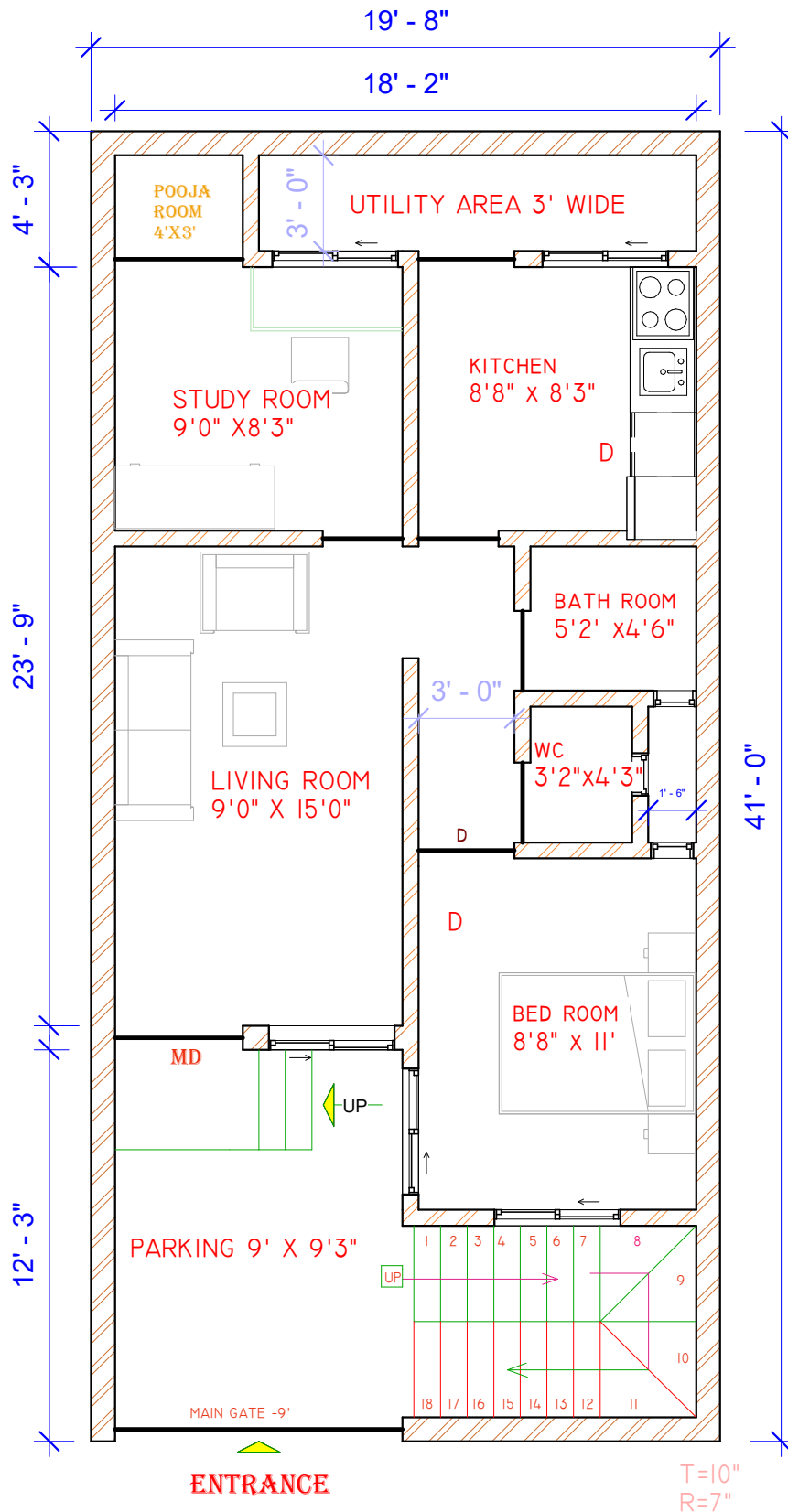
Date 09 FEB 2022

Drawn Er.Sagar Mahajan

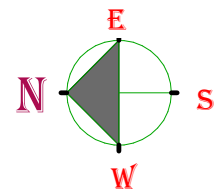
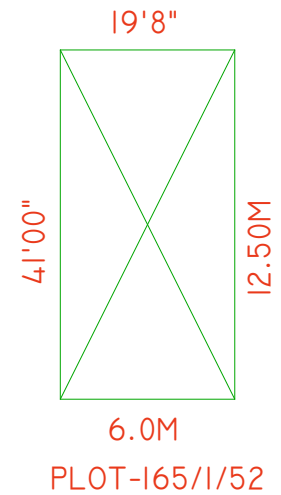
Checked by Er.Mahajan

A006

Scale 1 : 60



PLOT-165/I/52



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Owner
Mr.KAILAS
MAHAJAN

PLOT SIZE 6M X 12.50 WEST
FACING

Project number 0012

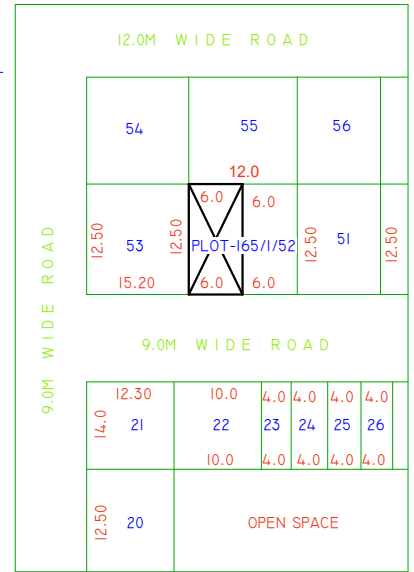
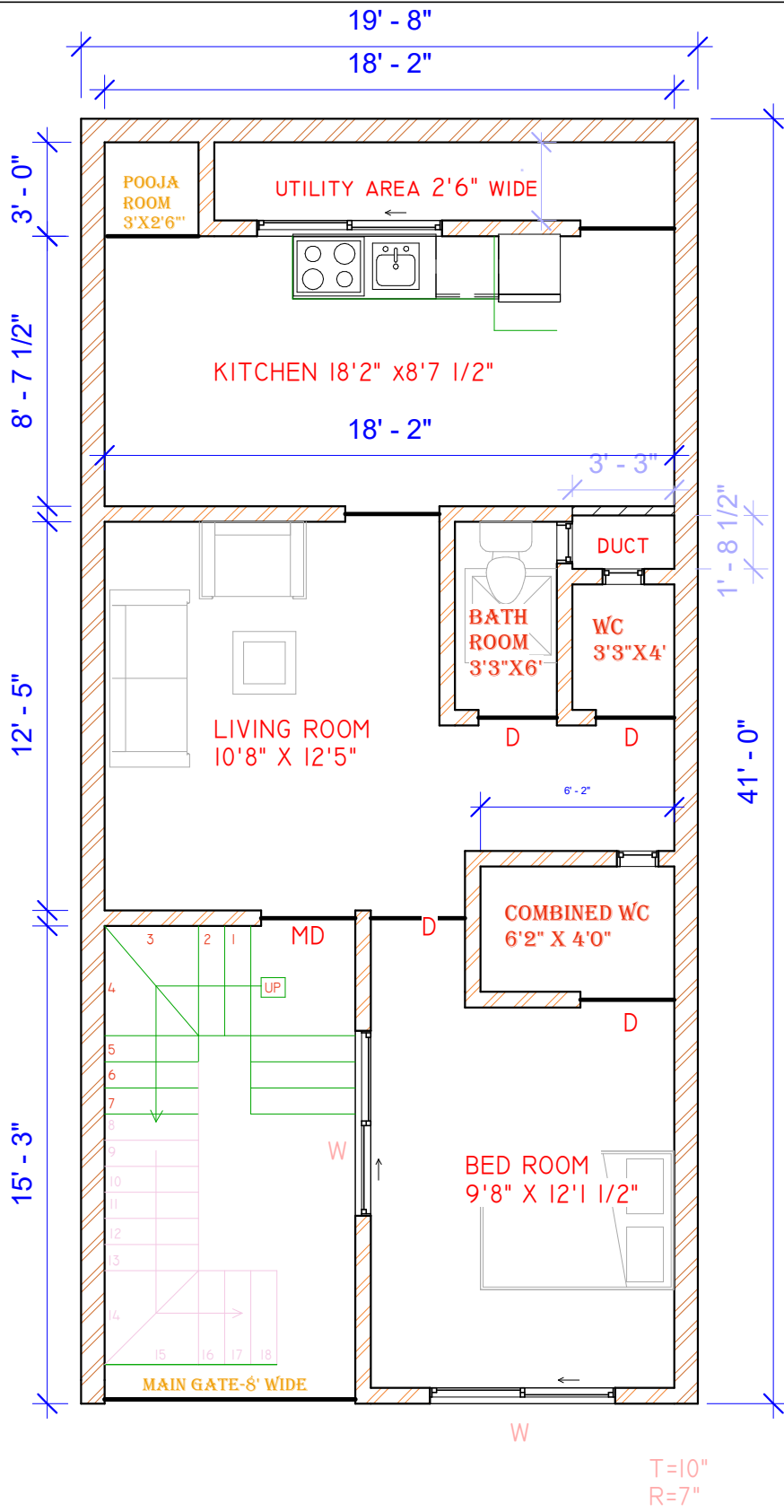
Date 15 MAY 2022

Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

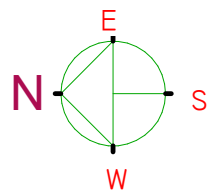
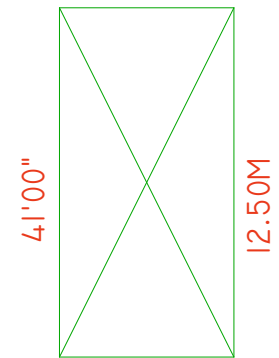
A007

Scale 1 : 60



PLOT-165/1/52

19'8"



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Owner
Mr.KAILAS
MAHAJAN

PLOT SIZE 6M X 12.50 WEST
FACING

Project number 0012

Date 15 MAY 2022

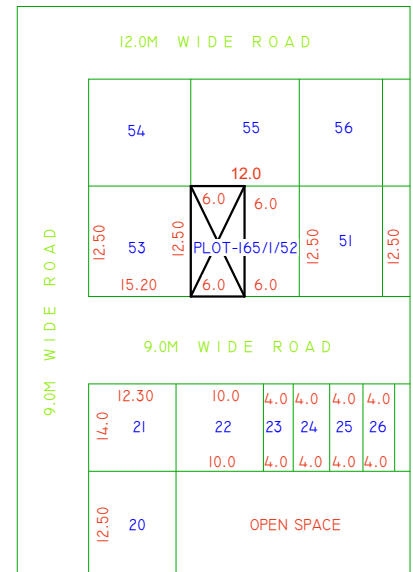
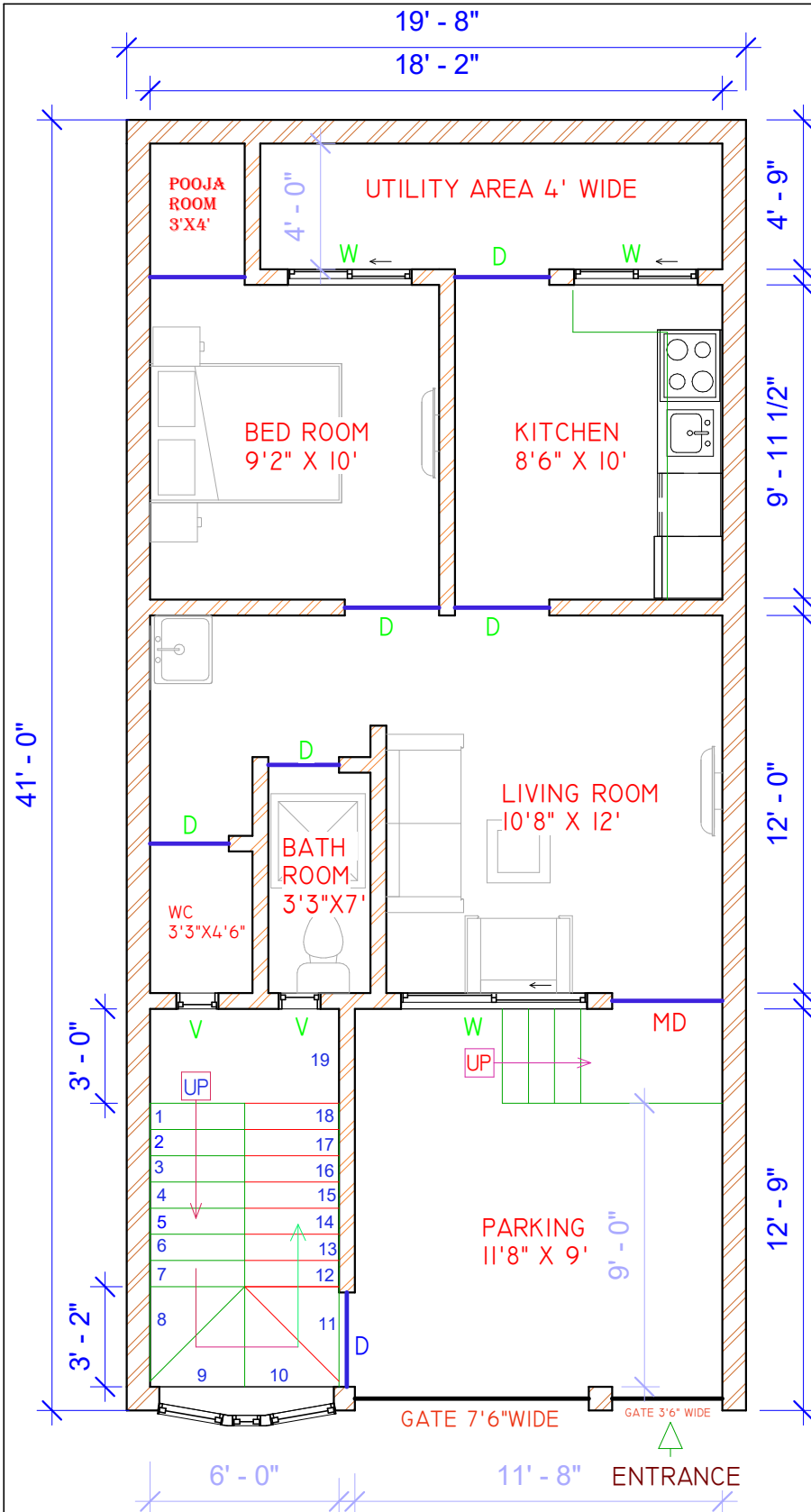
Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

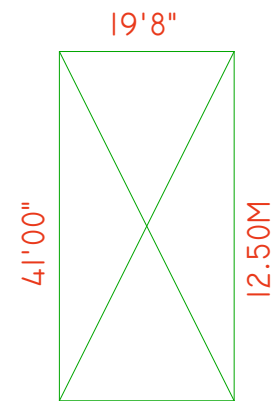
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Scale 1 : 60

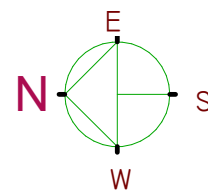
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PLOT-I65/I/52



6.0M
PLOT-I65/I/52



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Owner
Mr.KAILAS
MAHAJAN

PLOT SIZE 6M X 12.50 WEST
FACING

Project number 0011

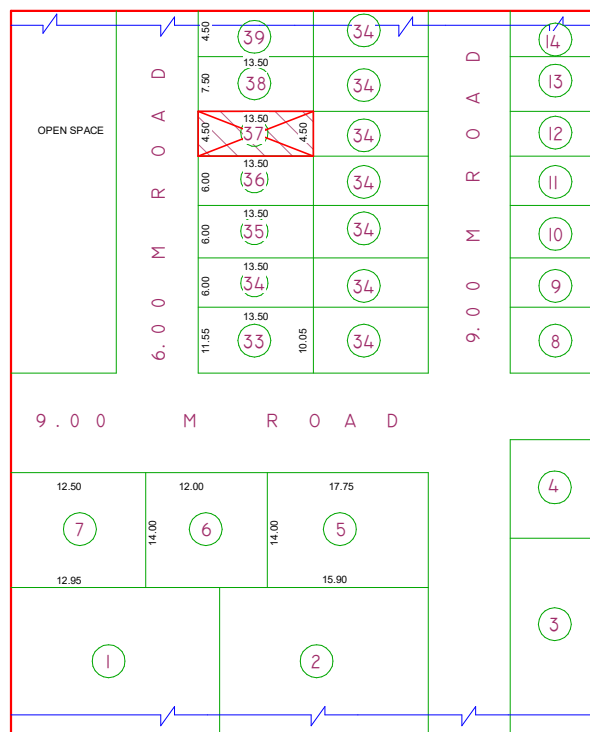
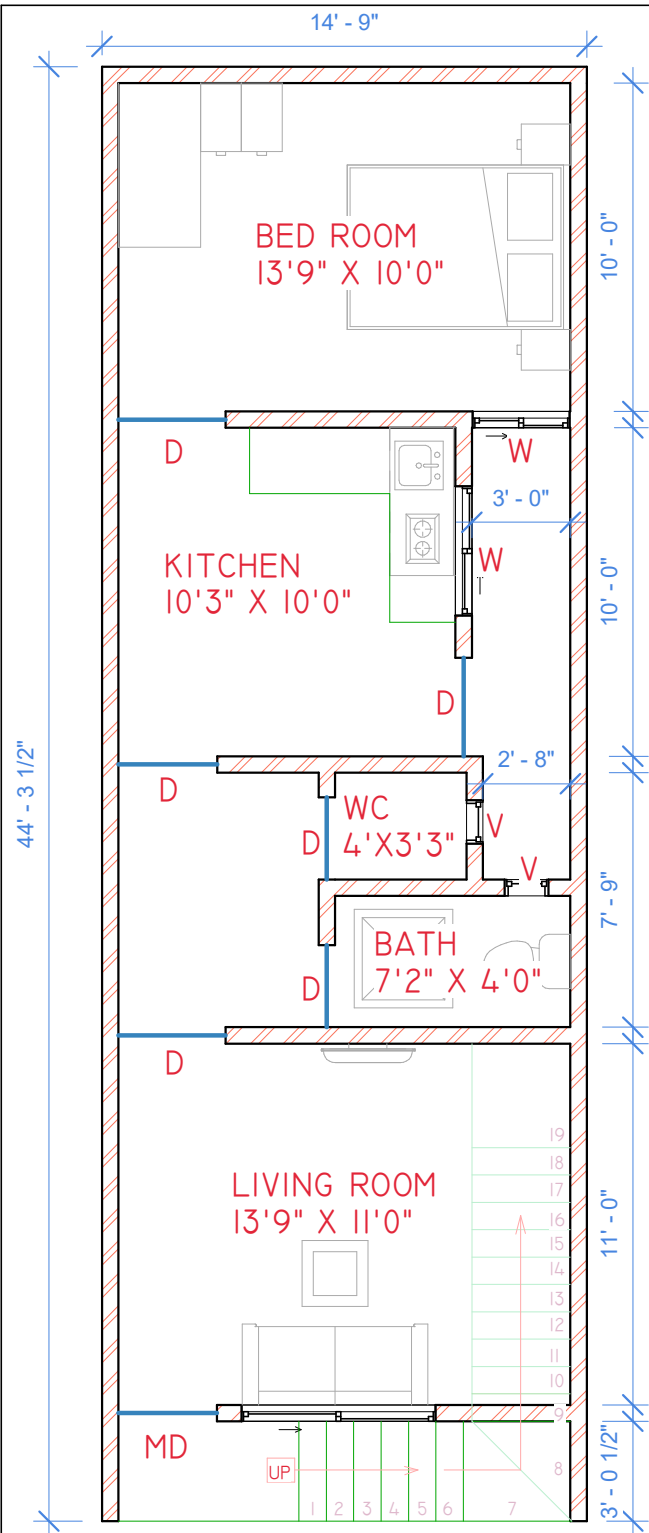
Date 27 JAN 2022

Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

A101

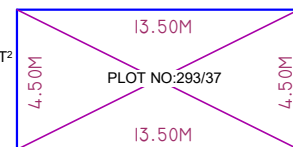
Scale 1 : 60



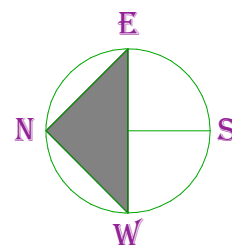
LAYOUT PLAN OF 293, DHANORA PRA ADAVAD
GROUP AND PLOT NO:293/37

AREA CALCULATION:

13.50 X 4.50 = 60.75 M²
AREA IN SQUARE FT : 653.90756 FT²



GROUP AND PLOT NO:293/37



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Owner
Mrs. Shalini Mahajan

4.50M X 13.50M WEST FACING

Project number 0001

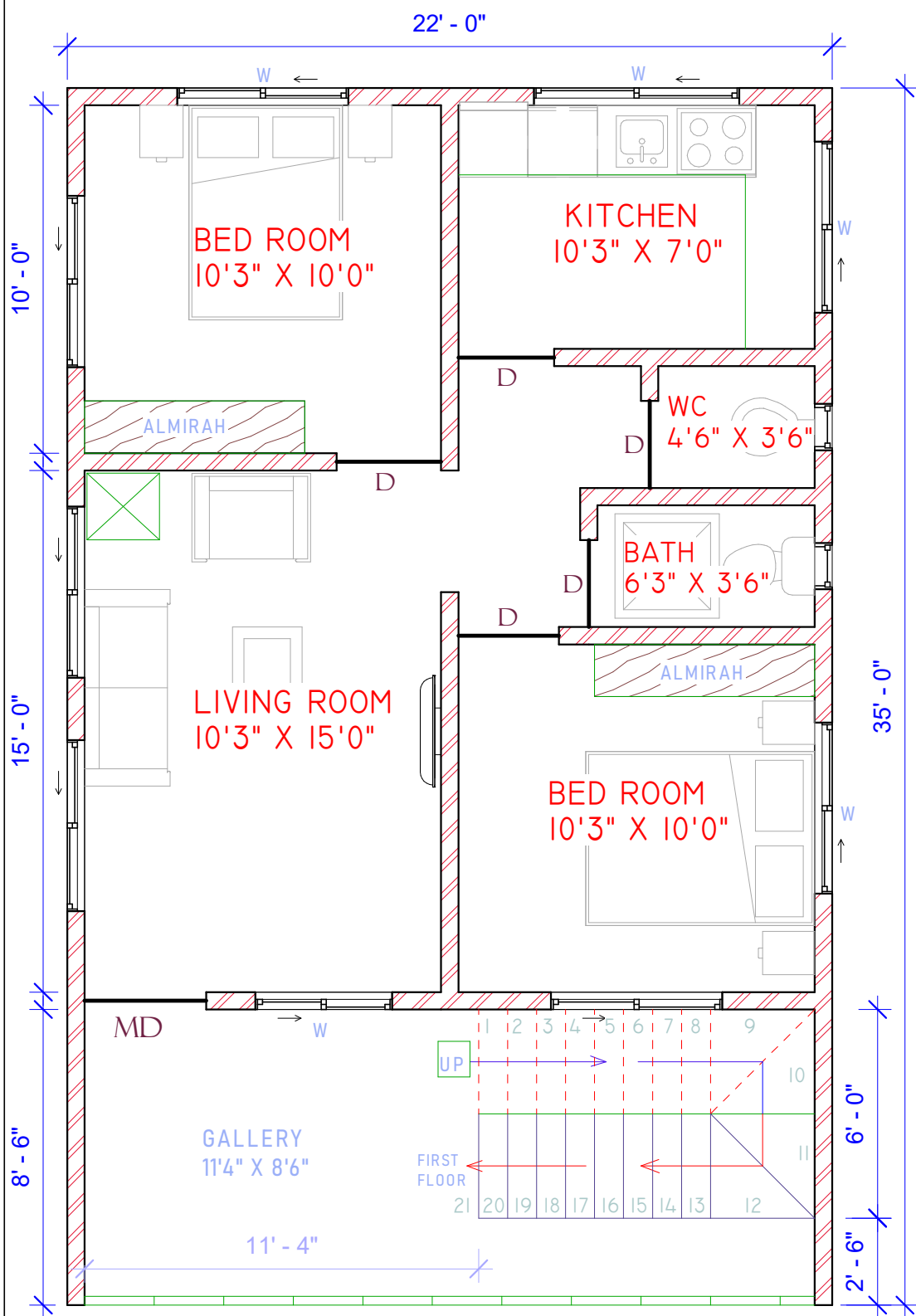
Date 10 FEB 2022

Drawn by Sagar Mahajan

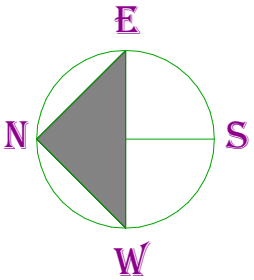
Checked by shubham


A0012

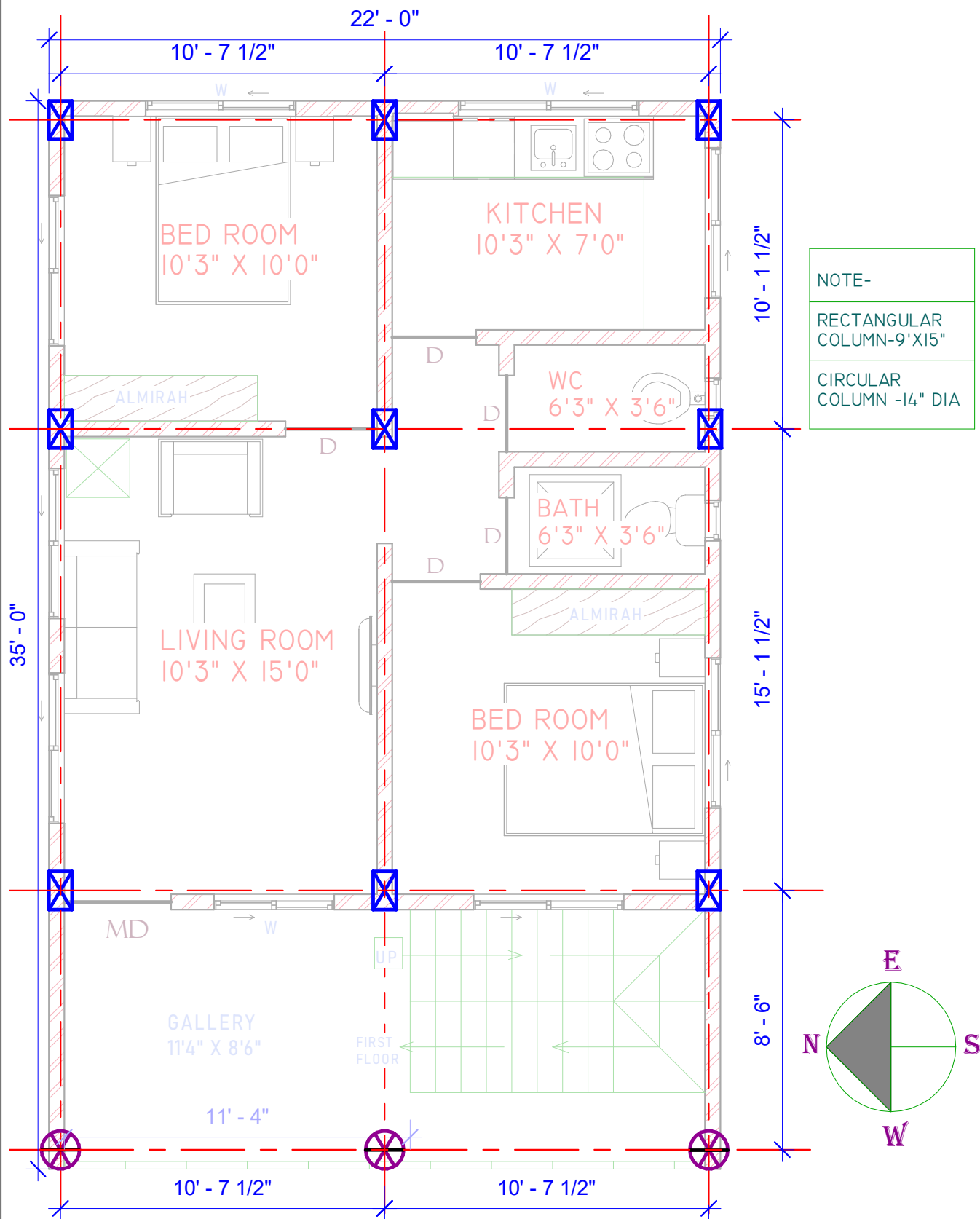
Scale 1 : 60



NOTE-
WALL THK- 6"
TREAD -10"
RISER -7"



 AUTODESK. www.autodesk.com/revit	Owner-Sunil Mali	22FT X 35FT (6.70 M X 10.67 M)		
		Project number	00012	MO-7020926594 MO-8421511193
		Date	18 MARCH 2022	
		Drawn by	ER.Sagar D Mahajan	
		Checked by	ER.Sagar Mahajan	



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Owner-Sunil Mali

22FT X 35FT (6.70 M X 10.67 M)

Project number 00012

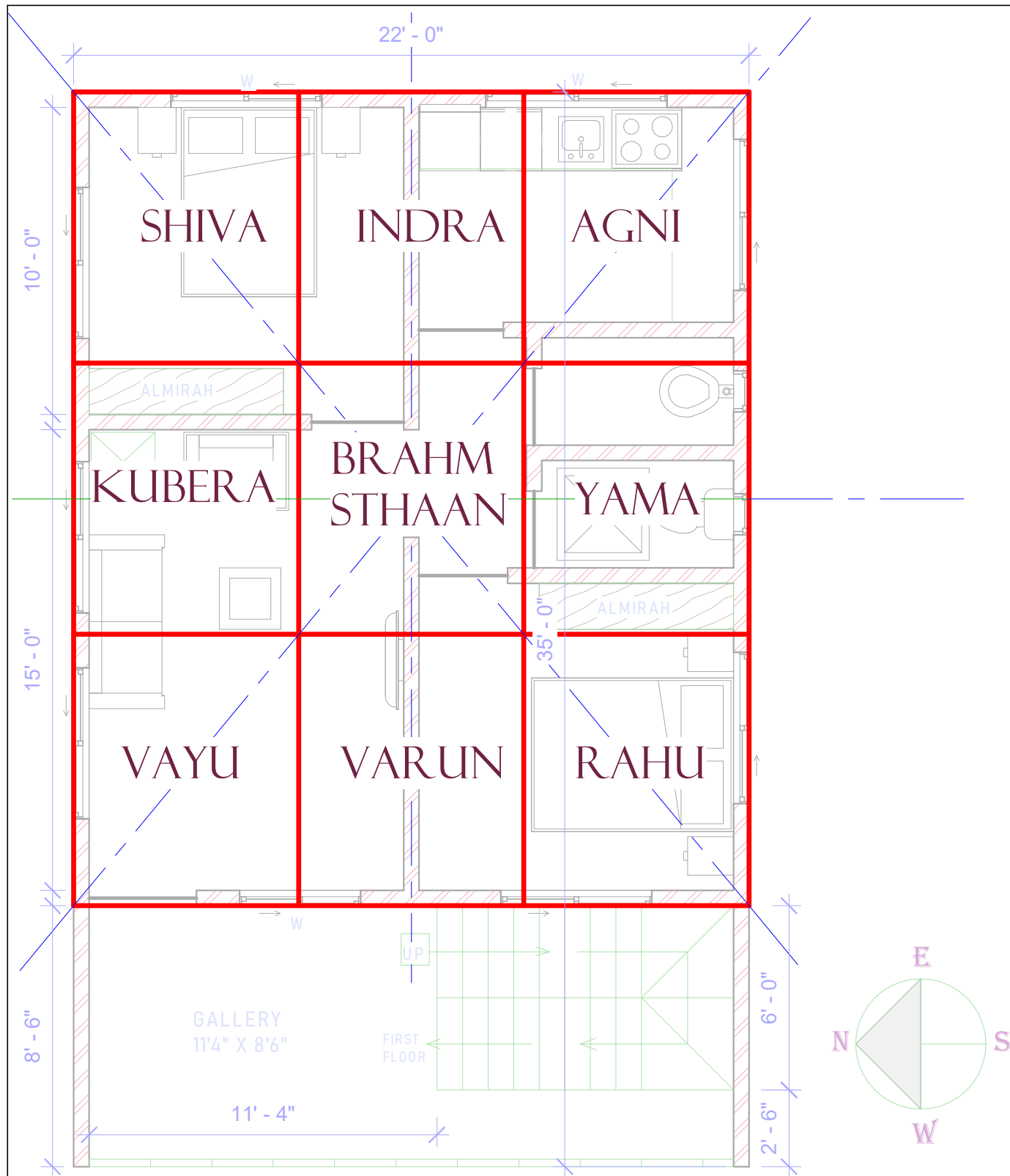
Date 18 MARCH 2022

Drawn by ER.Sagar D Mahajan

Checked by ER.Sagar Mahajan

MO-7020926594
MO-8421511193

Scale 1 : 50



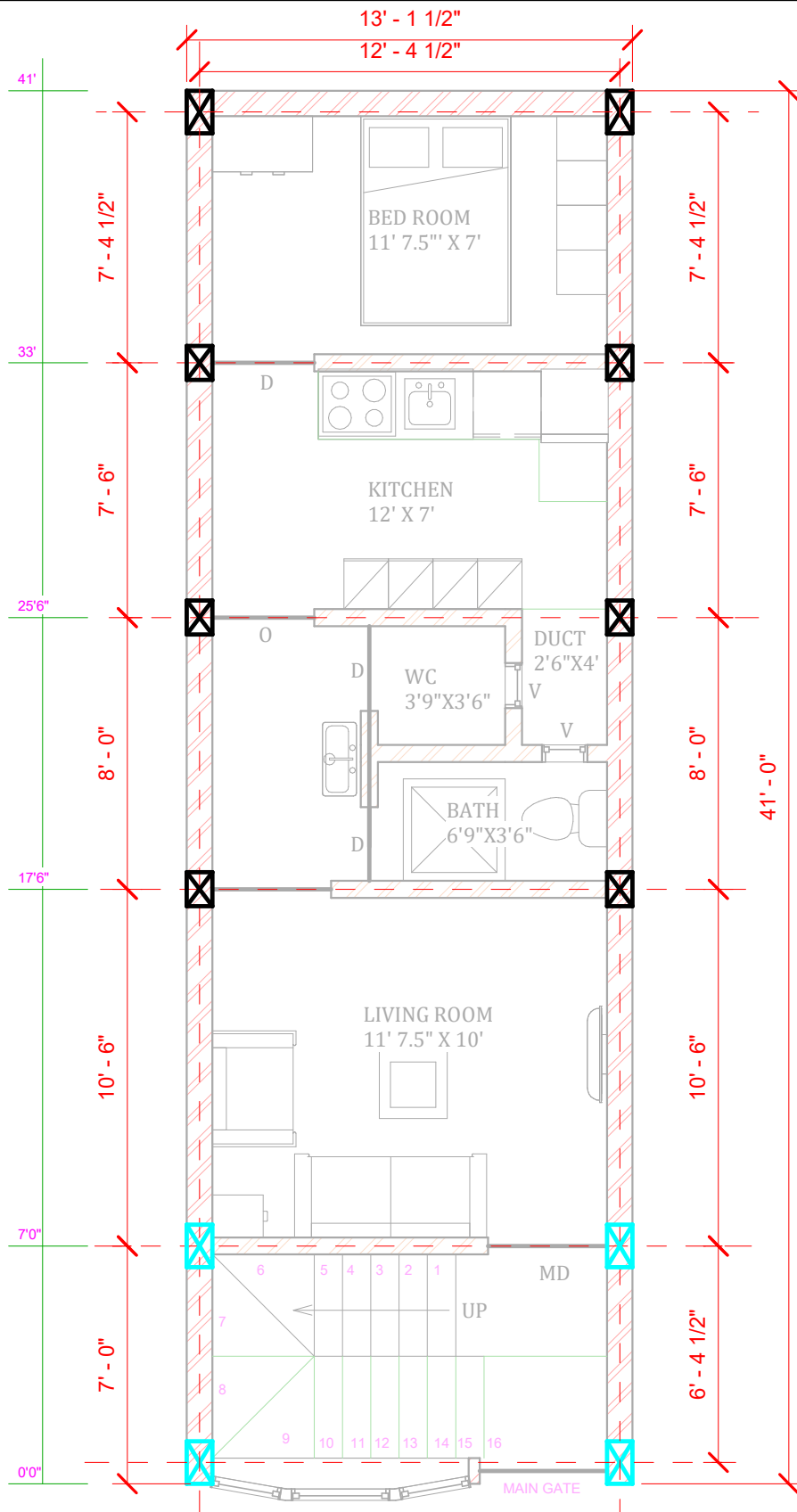
www.autodesk.com/revit

Owner-Sunil Mali

22FT X 35FT (6.70 M X 10.67 M)

Project number	00012	MO-7020926594 MO-8421511193
Date	18 MARCH 2022	
Drawn by	ER.Sagar D Mahajan	Scale 1 : 50
Checked by	ER.Sagar Mahajan	

17-03-2022 8.57.58 AM



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Owner-Dhanaraj Gujar

WEST FACING 13' 1.5"X41'

Project number 21

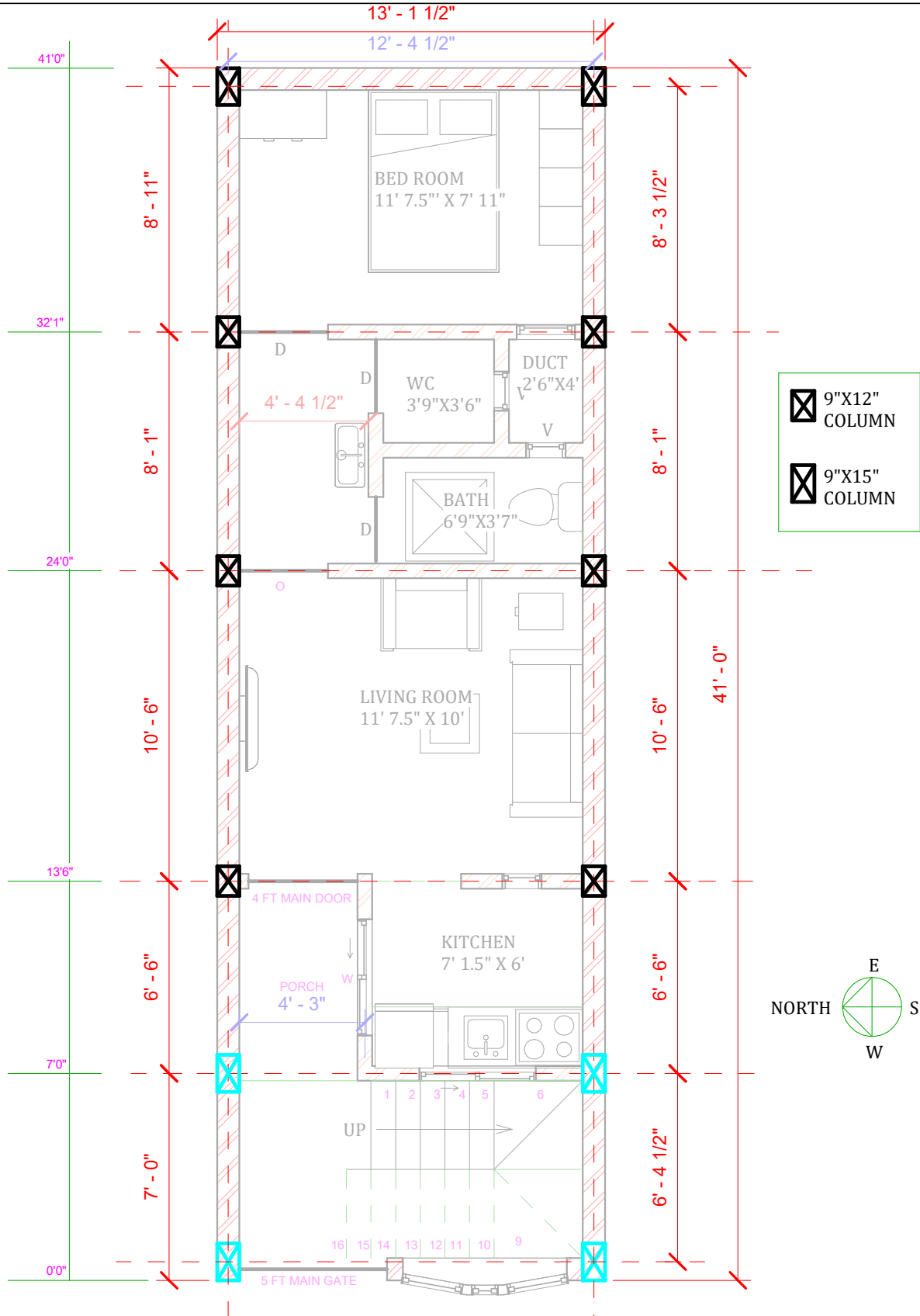
Date 24-DEC-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511194

Scale 1 : 55

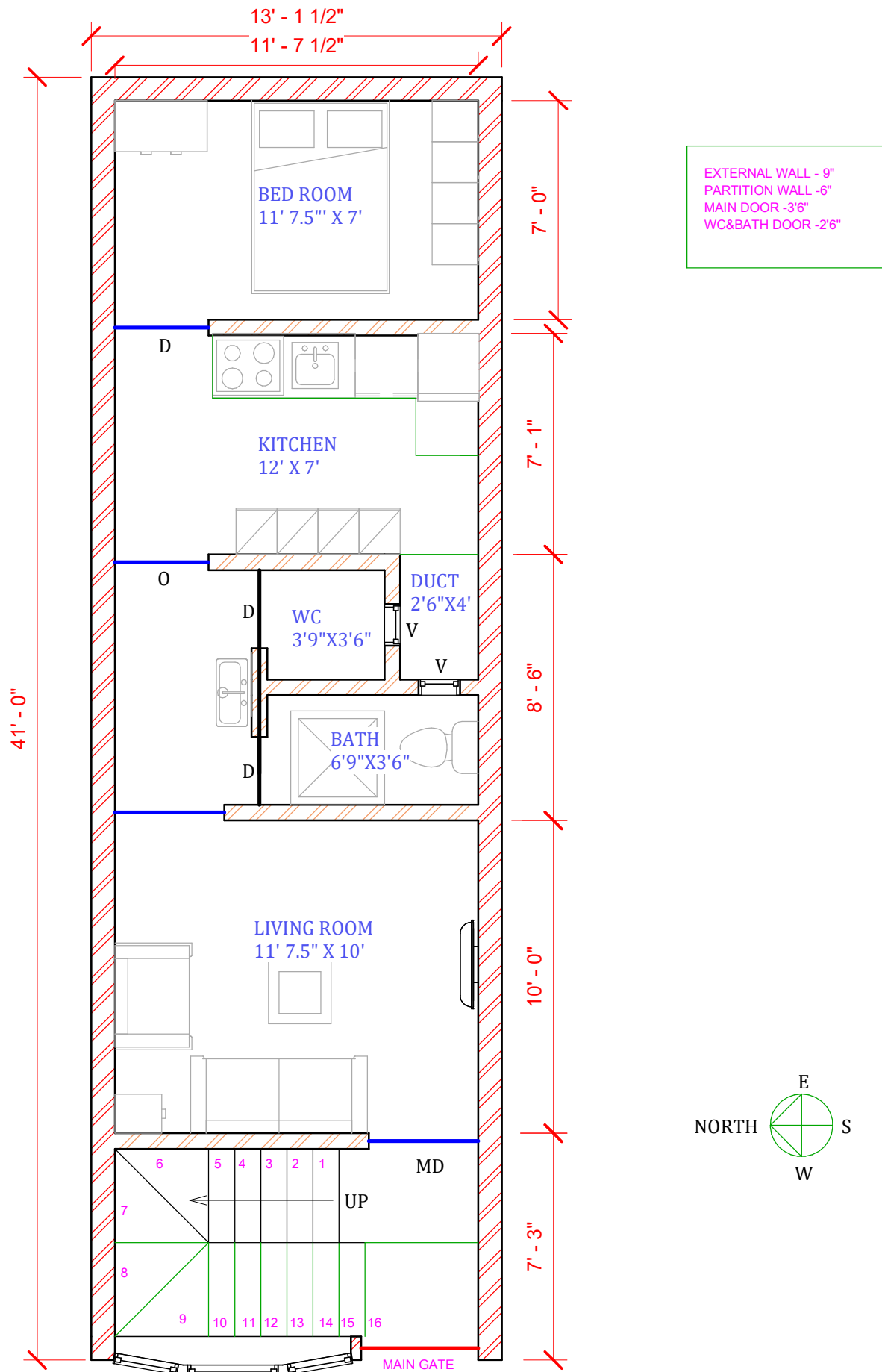


www.autodesk.com/revit

Owner-Dhanaraj Gujar

WEST FACING 13'1.5" X 41'

Project number	21	MO-7020926594 MO-8421511195
Date	24-DEC-2023	
Drawn by	ER.SAGAR MAHAJAN	Scale 1 : 55
Checked by	ER.SAGAR MAHAJAN	



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Owner-Dhanaraj Gujar

PLOT SIZE 13'1.5" X 41'

Project number 21

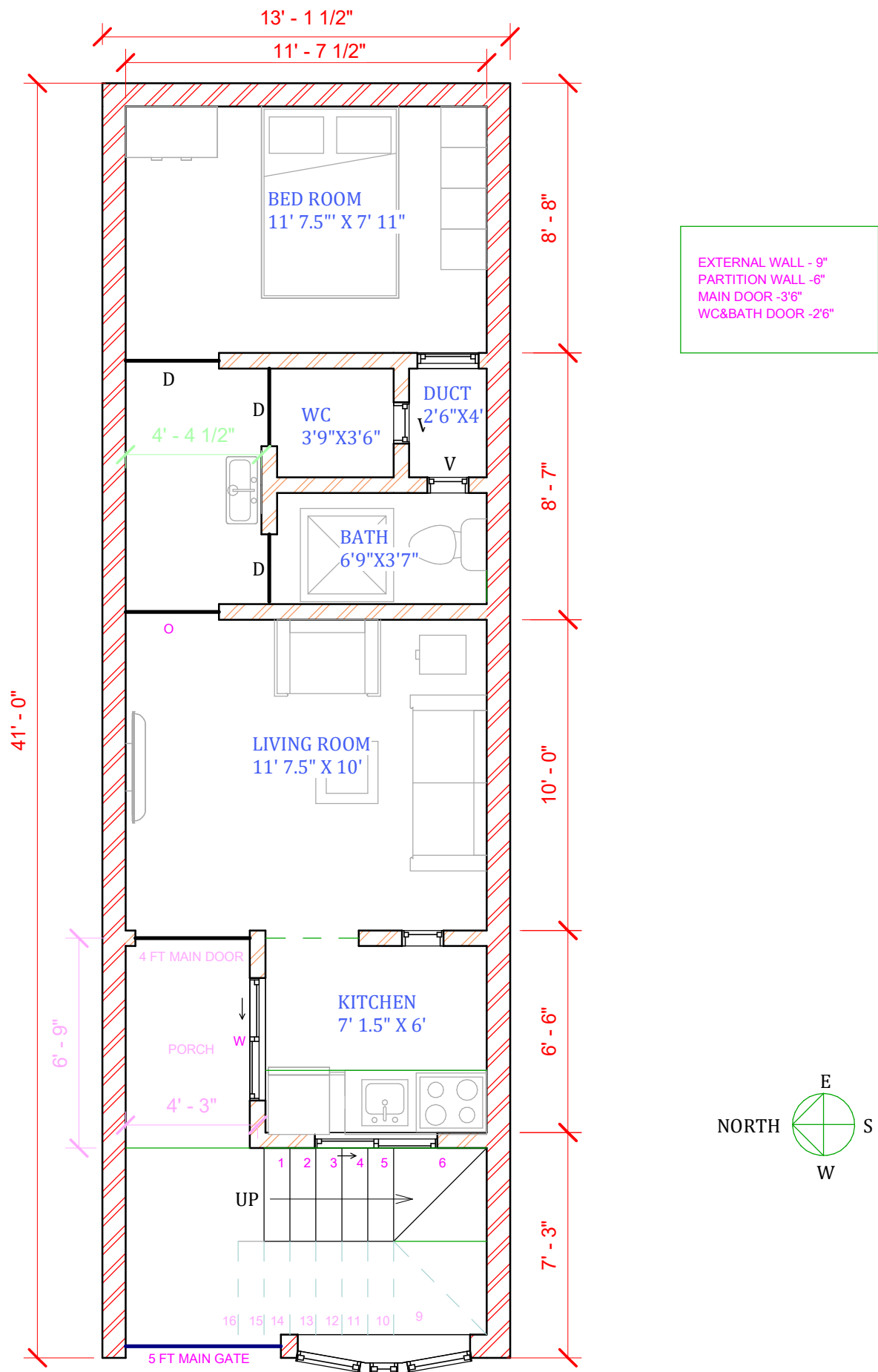
Date 24-DEC-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 55



www.autodesk.com/revit

Owner-Dhanaraj Gujar

PLOT SIZE 13'1.5" X 41'

Project number 21

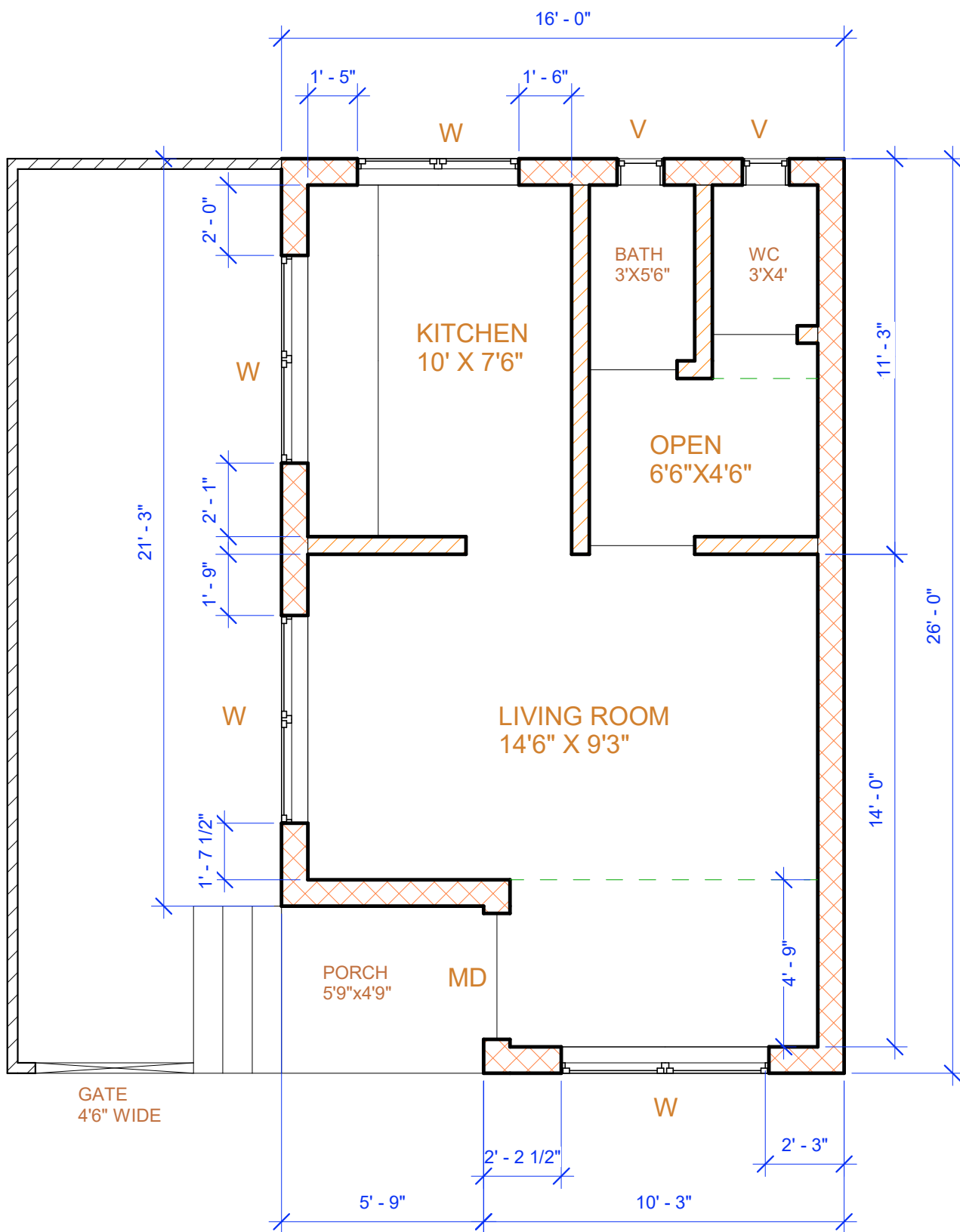
Date 24-DEC-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 55



www.autodesk.com/revit

Owner
MR.Nandakishor
Ramesh Patil

GROUND FLOOR PLAN

Project number P1D1

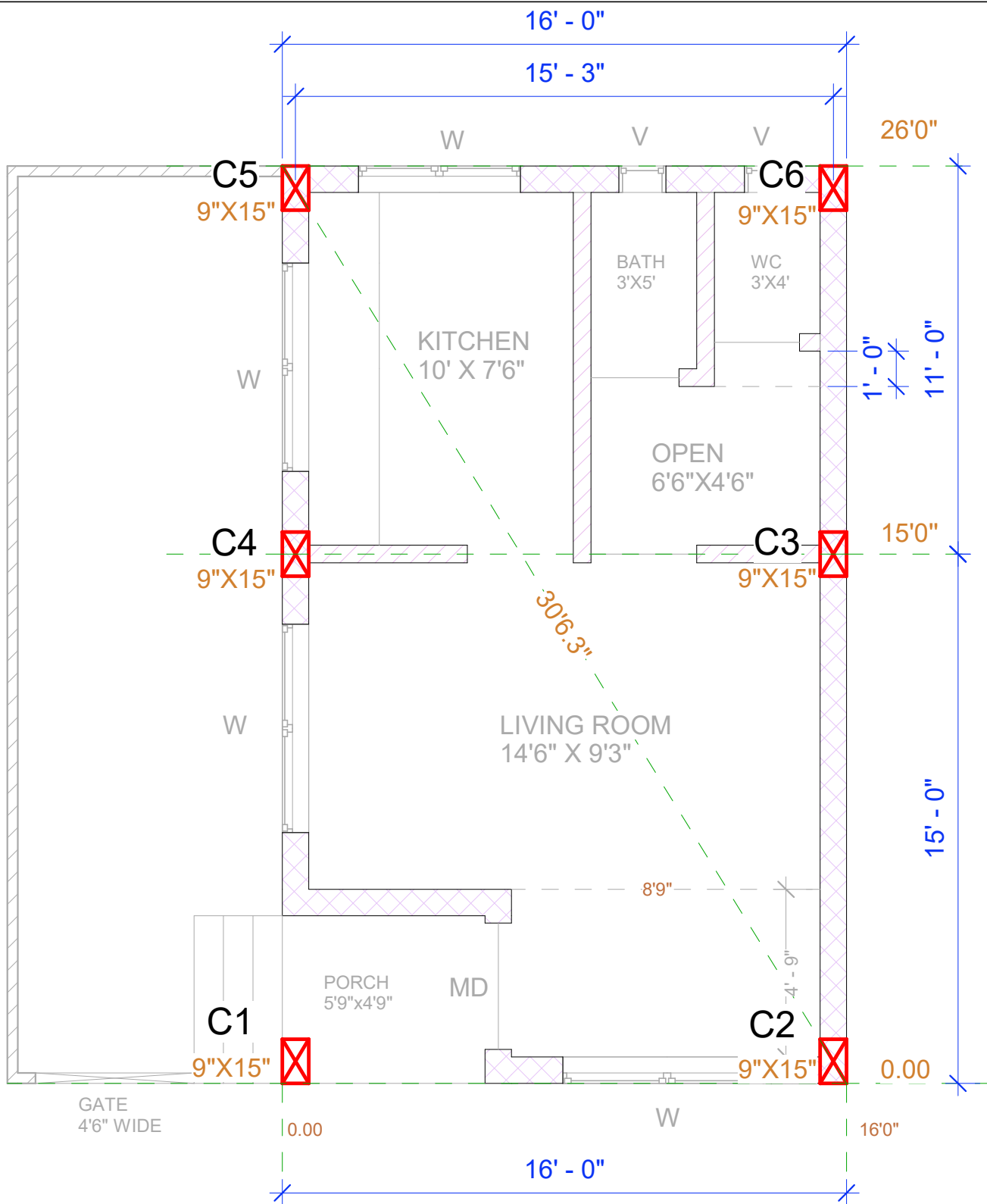
Date 1 April, 2021

Drawn by Sagar Mahajan

Checked by Er.Mahajan

P1D1

Scale 1 : 45



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Owner
MR.Nandakishor
Ramesh Patil

CENTRE LINE PLAN

Project number P1D2

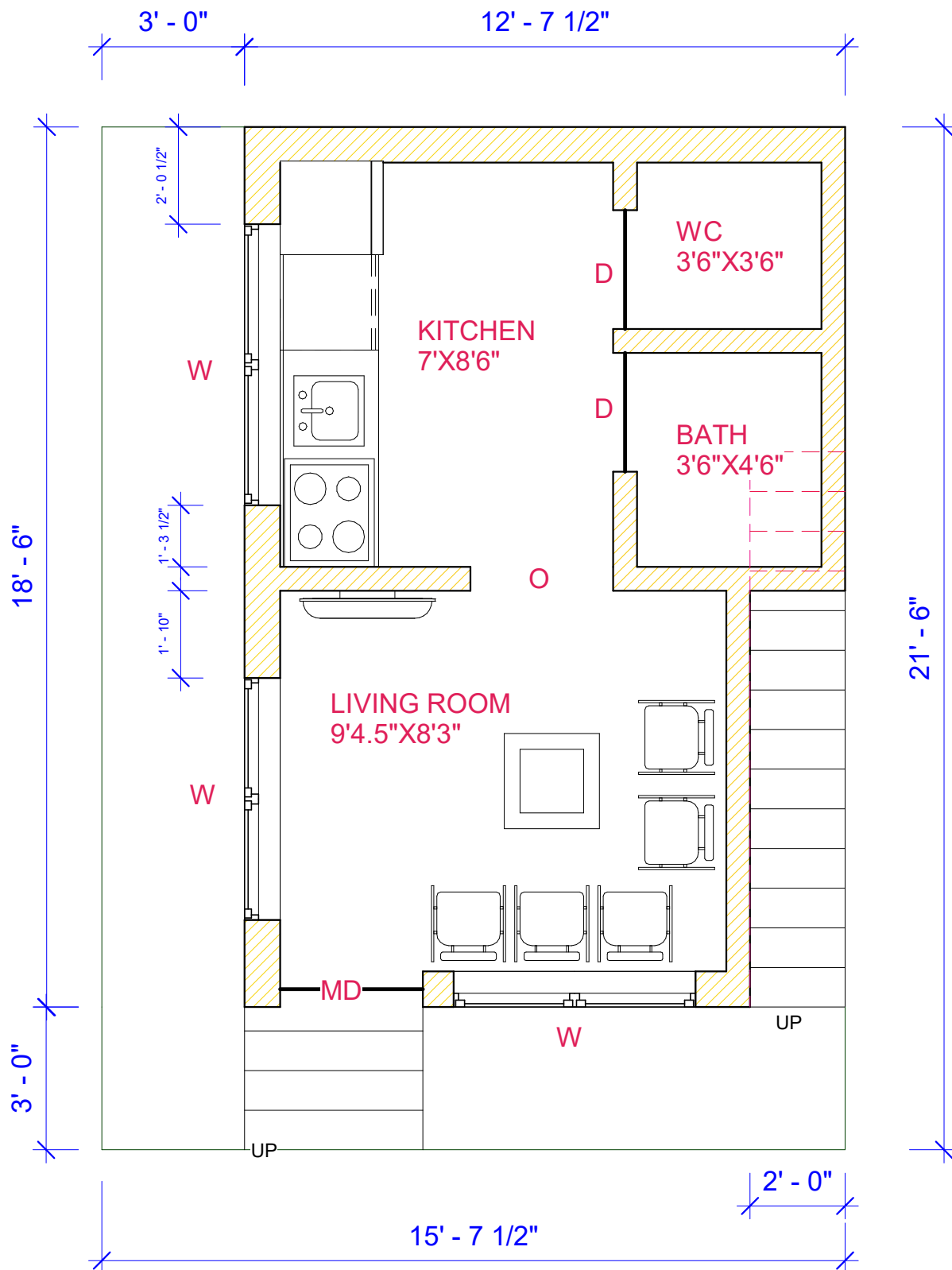
Date 1 April,2021

Drawn by Sagar Mahajan

Checked by Er.Mahajan

P1D2

Scale 1 : 45



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Owner
Mr.Sagar
Chaudhari

GROUND FLOOR PLAN

Project number 0002

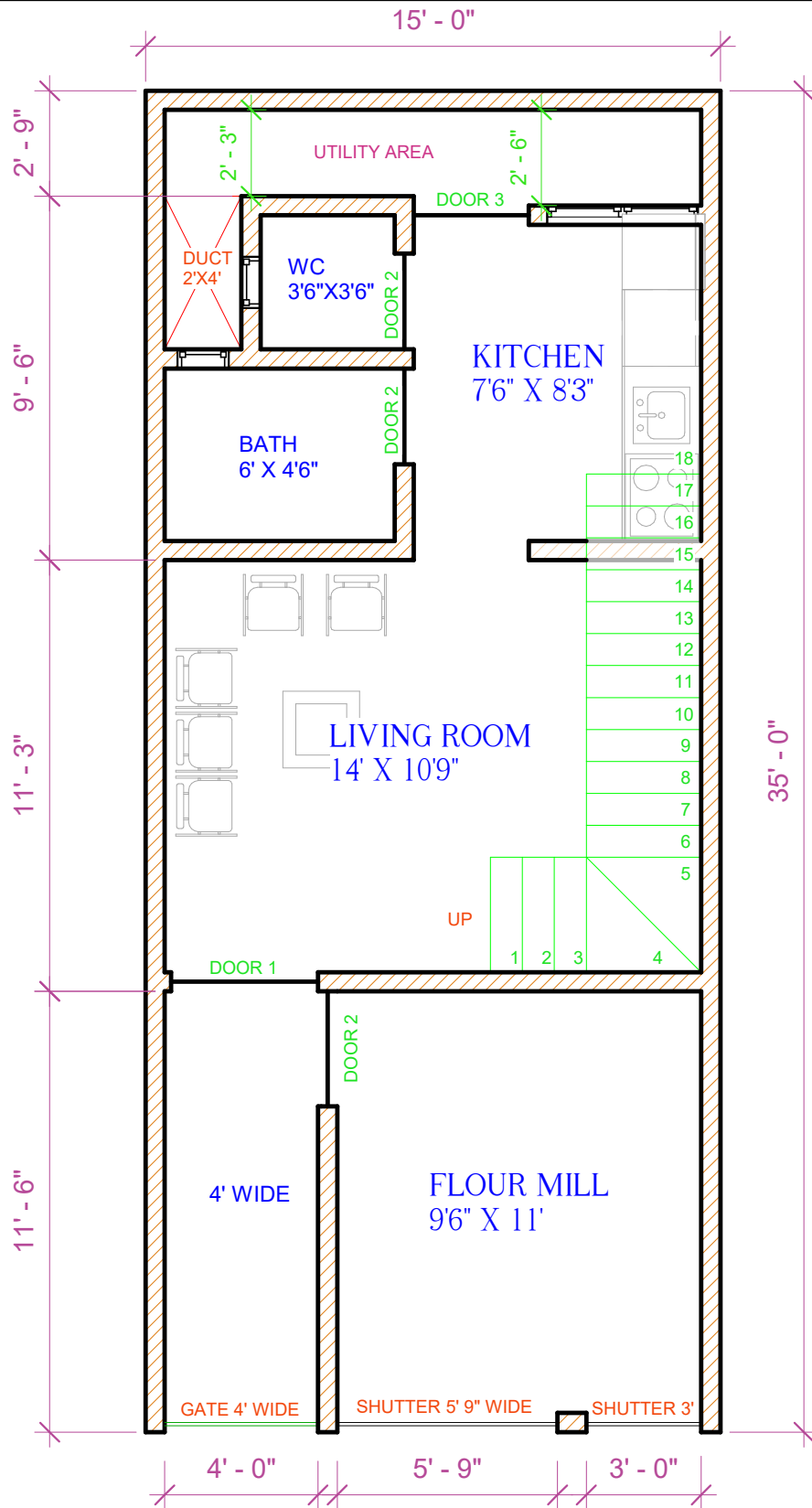
Date 2 April 21

Drawn Er.Sagar Mahajan

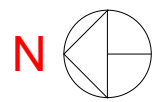
Checked by Er.Mahajan

P2D1

Scale 1 : 35



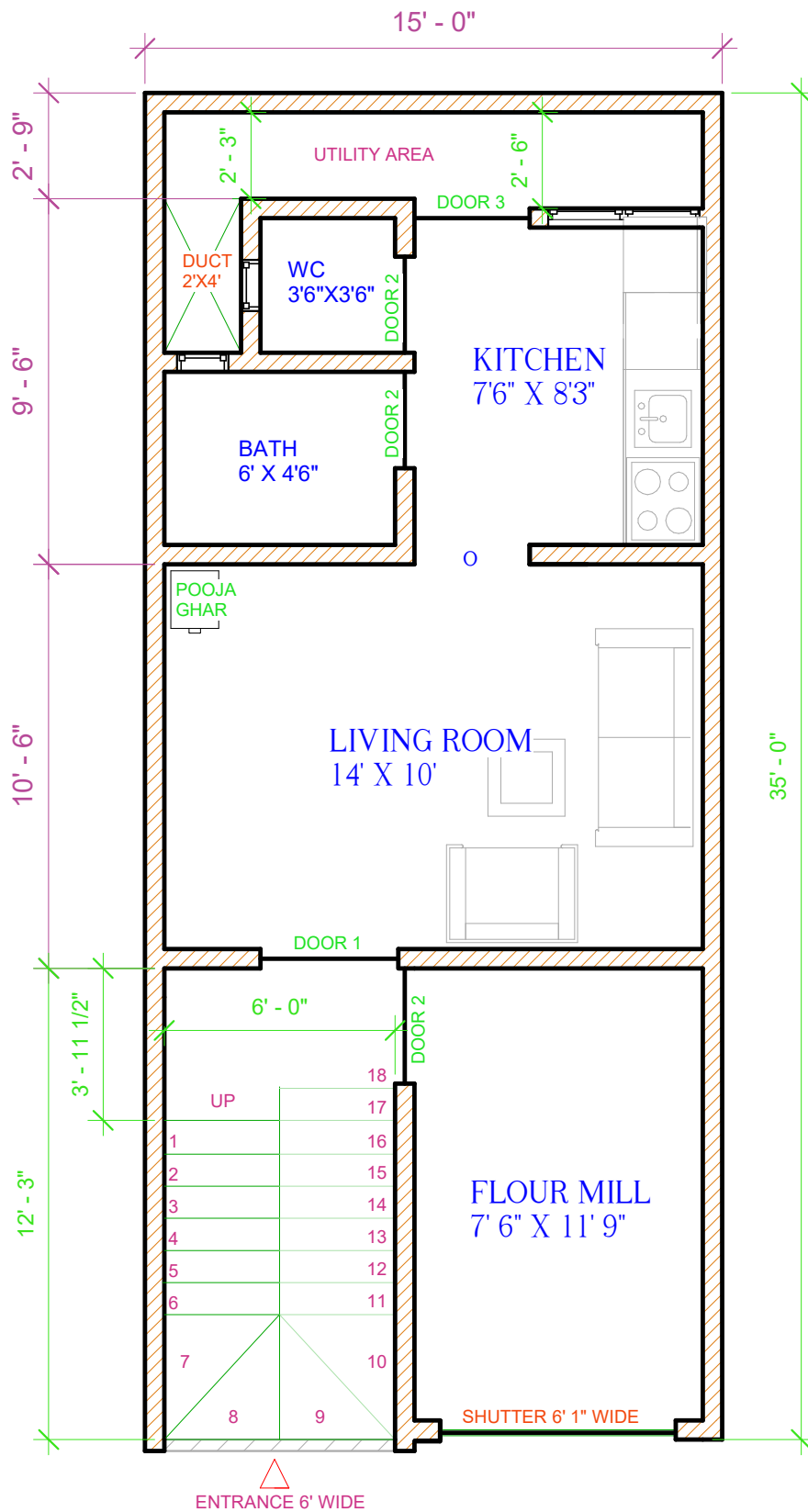
NOTE
TRADE = 10"
RISER = 7"
WALL THICKNESS=6"



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Owner
YUVRAJ KOLI

GROUND FLOOR PLAN ,NO-1			
Project number	0004	A101	
Date	13 MAY 21		
Drawn	Er.Sagar Mahajan		
Checked by	Er.Sagar		
		Scale	1 : 50



NOTE
TRADE = 10"
RISER = 7"
WALL THICKNESS=6"



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Owner

YUVRAJ KOLI

GROUND FLOOR PLAN, NO-2

Project number 0004

Date 13 MAY 21

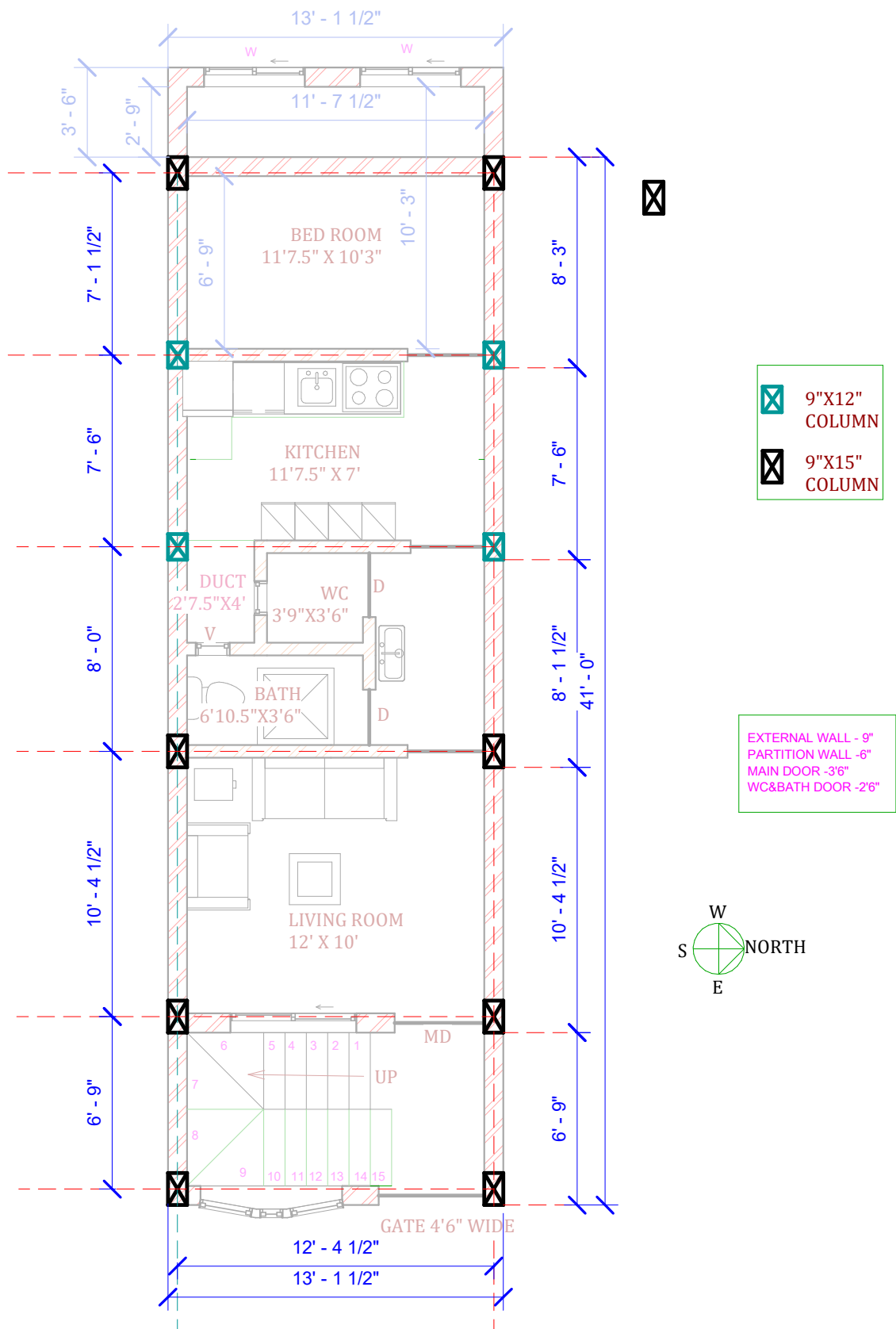
Drawn Er.Sagar Mahajan

Checked by Er.Sagar

A402

Scale 1 : 50

13-05-2021 10.56.06 AM

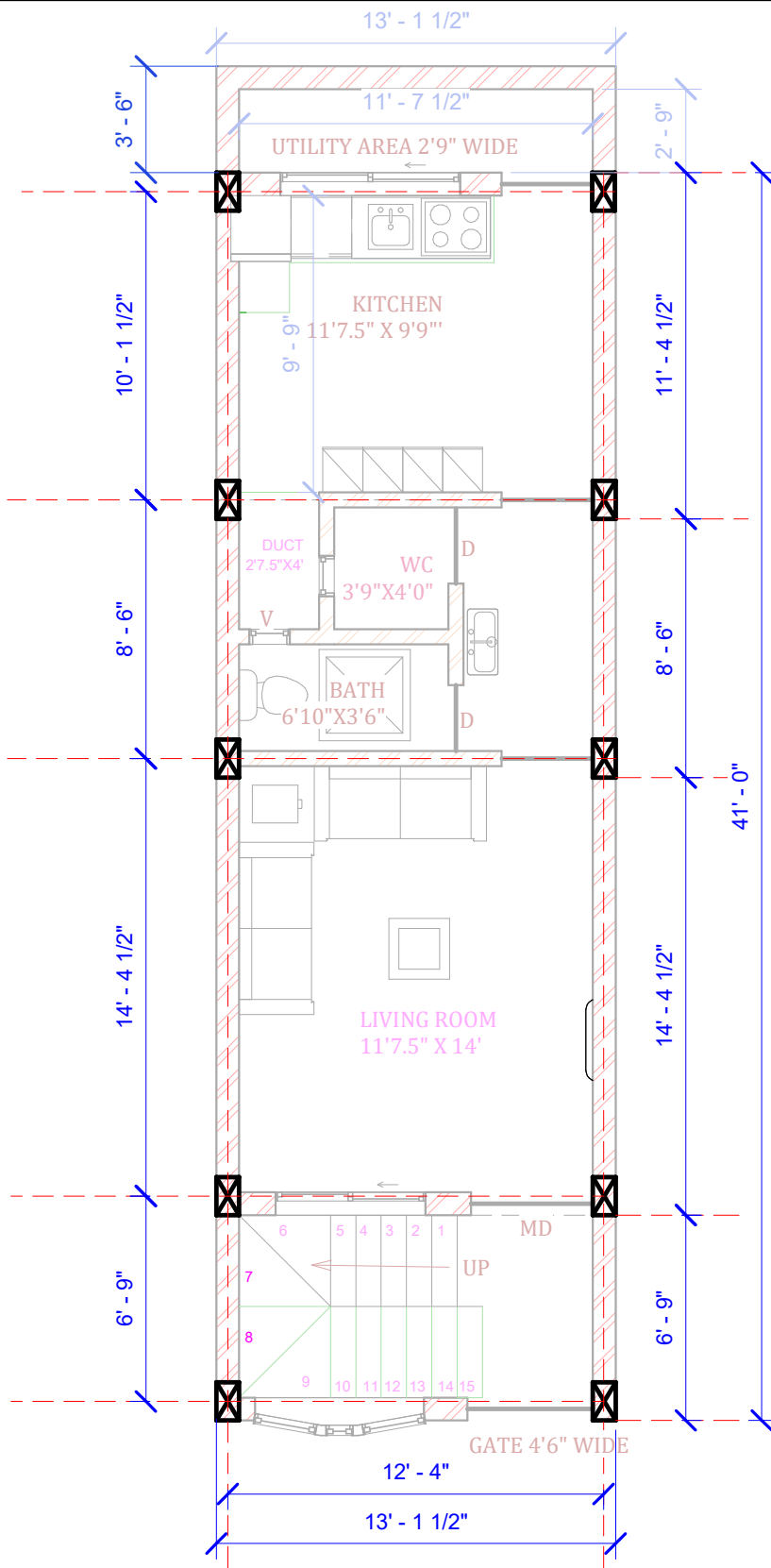


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Owner-Bandu Gujar

PLOT SIZE 4 M X12.50 M

Project number	0018	MO-7020926594 MO-8421511193
Date	9-FEB-2023	
Drawn by	ER.SAGAR MAHAJAN	Scale 1 : 65
Checked by	ER.SAGAR MAHAJAN	



9"X15" COLUMN

EXTERNAL WALL - 9"
PARTITION WALL - 6"
MAIN DOOR - 3'6"
WC&BATH DOOR - 2'6"



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Owner-Bandu Gujar

PLOT SIZE 4 M X12.50 M

Project number 0018

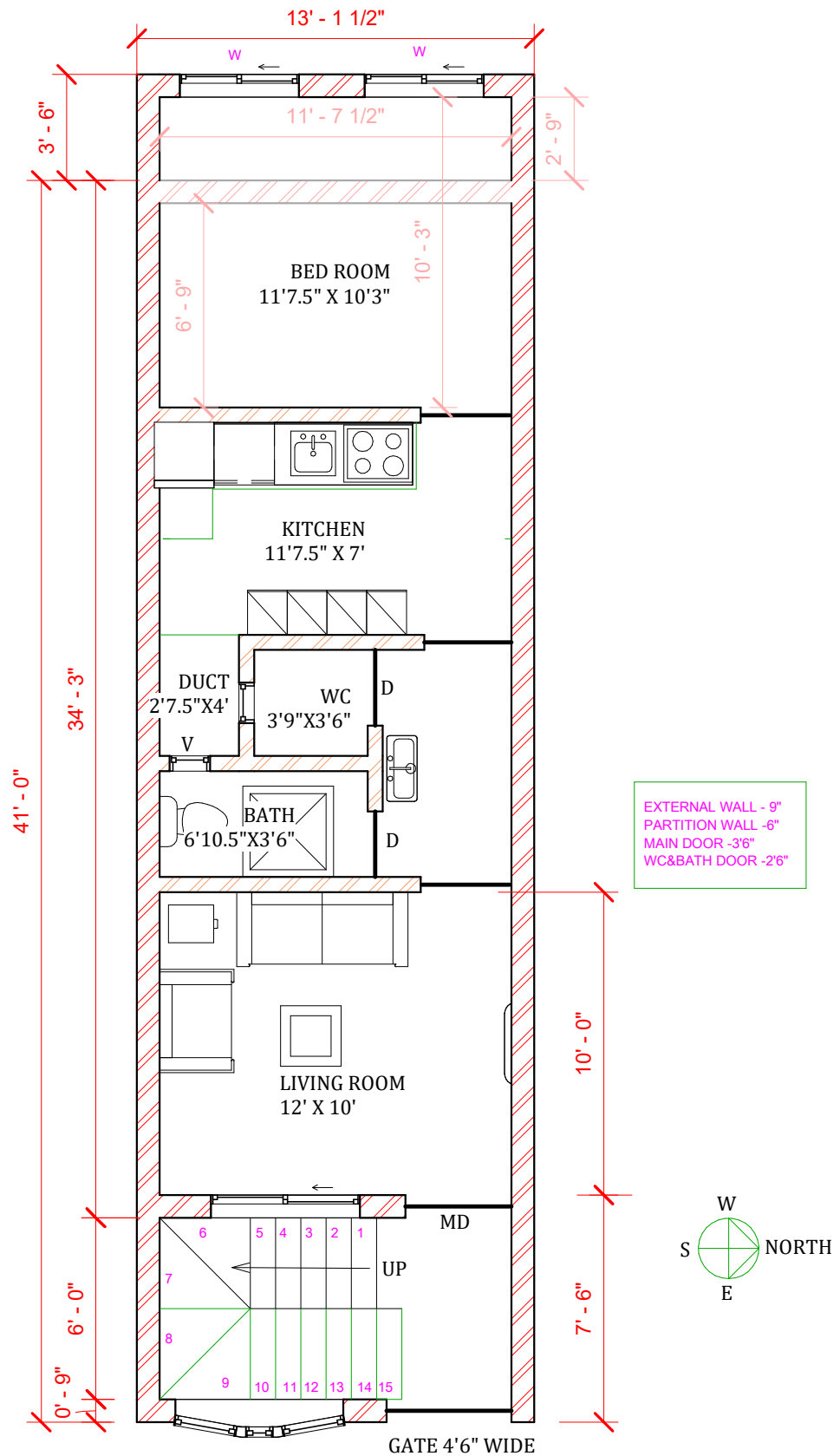
Date 9-FEB-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 65



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Owner-Bandu Gujar

PLOT SIZE 4 M X12.50 M

Project number 0018

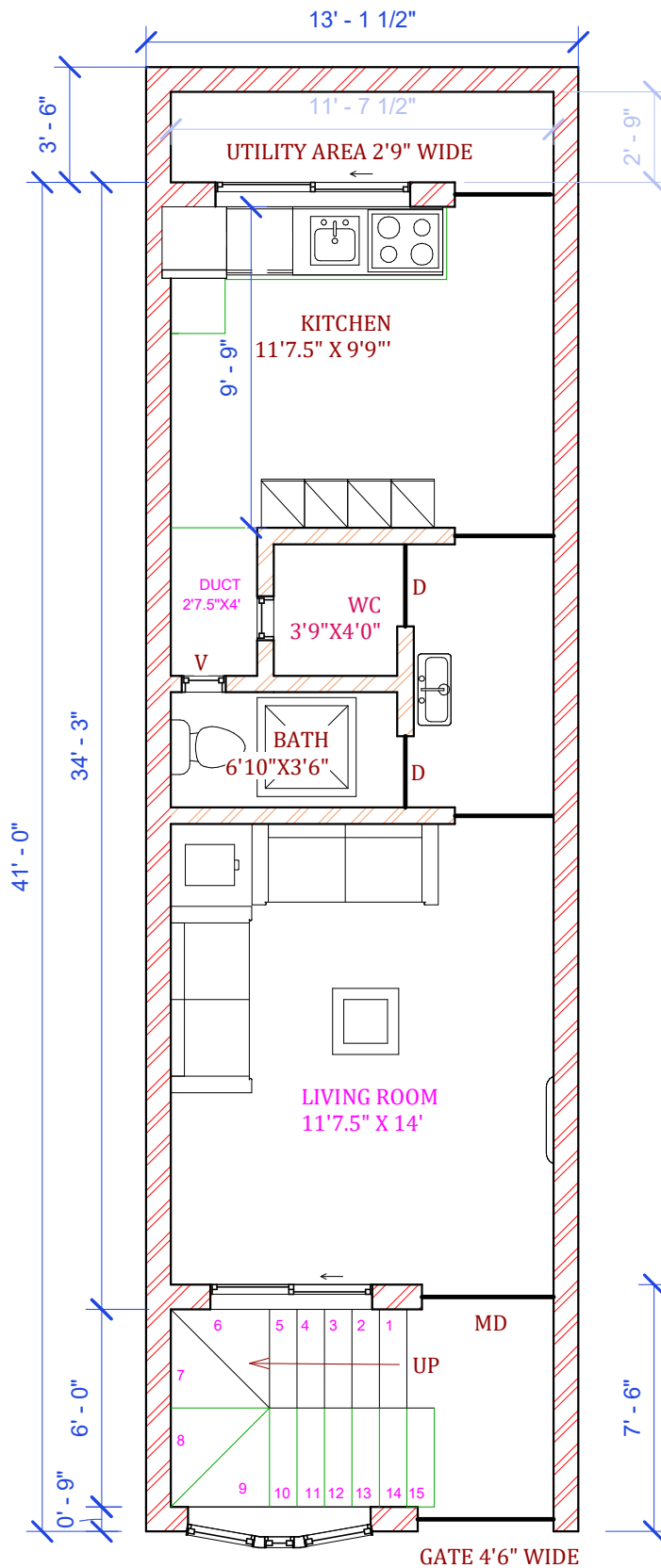
Date 9-FEB-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 60



EXTERNAL WALL - 9"
PARTITION WALL - 6"
MAIN DOOR - 3'6"
WC&BATH DOOR - 2'6"



www.autodesk.com/revit

Owner-Bandu Gujar

PLOT SIZE 4 M X12.50 M

Project number 0018

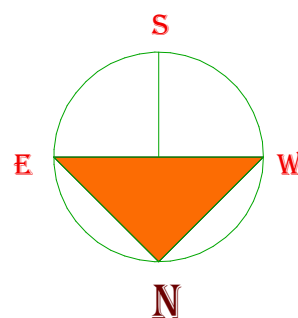
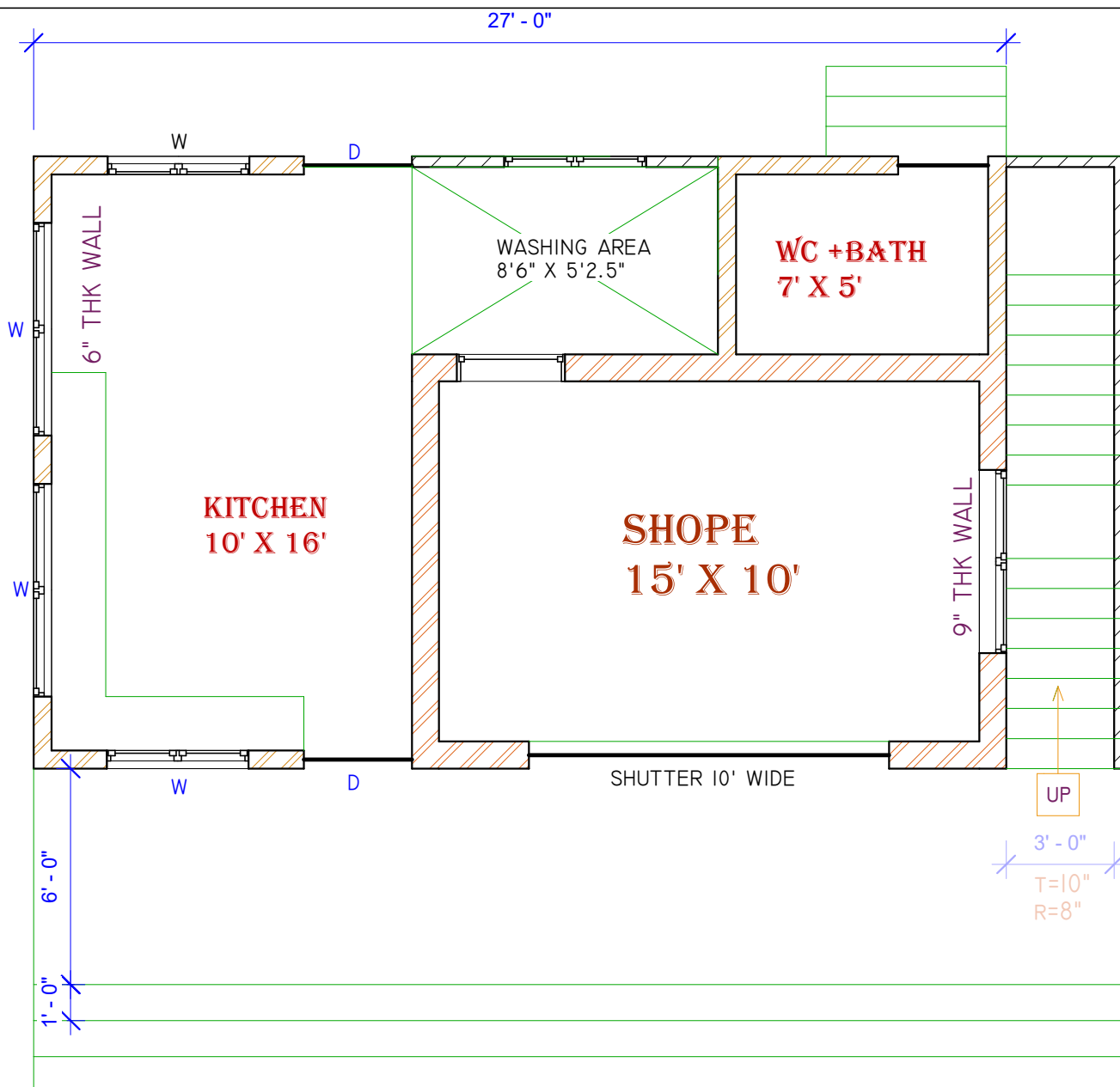
Date 9-FEB-2023

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 60



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Owner-- Mahajan Bharit
Centre

Mahajan Bharit Centre ,Dhanora

Project number 00013

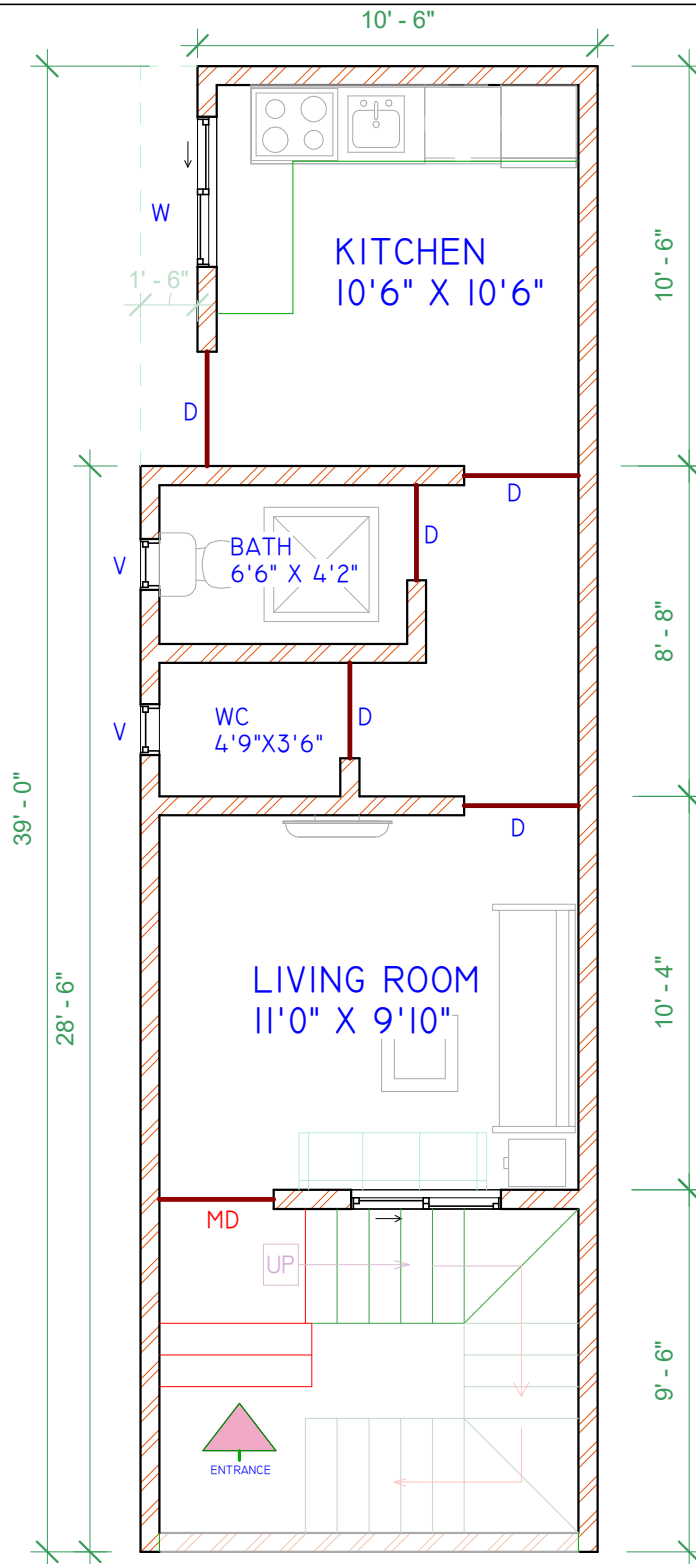
Date 18 may 2022

Drawn by ER.Sagar Mahajan

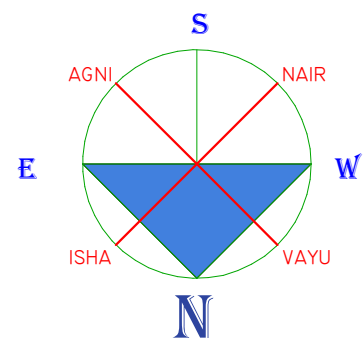
Checked by ER.Sagar Mahajan

A101

Scale 1 : 50



NOTE---
TREAD : 10"
RISER : 7"
NO.OF RISER : 19
NO.OF TRADE : 18
WALL THK : 6"



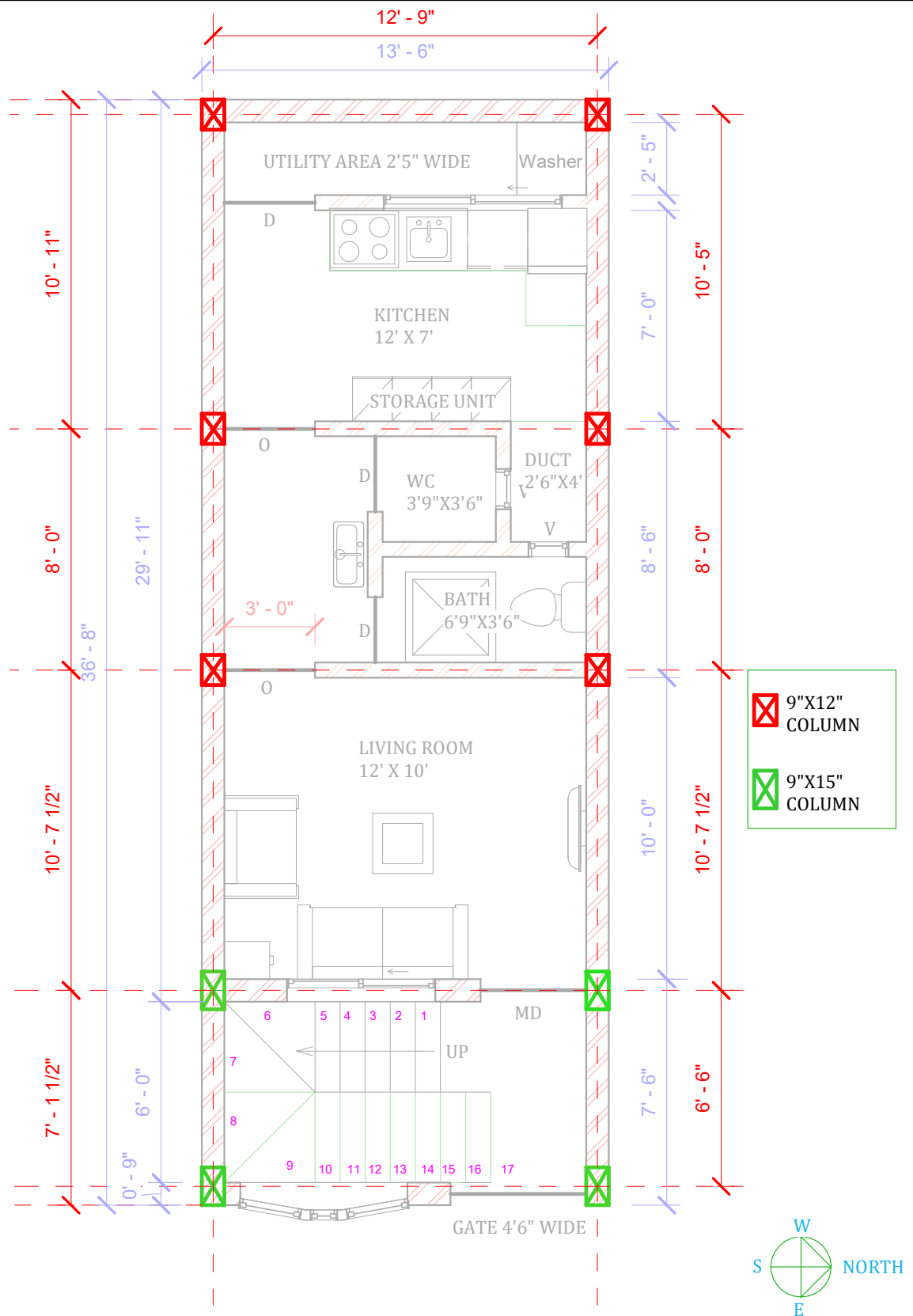
www.autodesk.com/revit

Owner: Mukesh
Chaudhari

12ft x 39ft North Facing House Plan

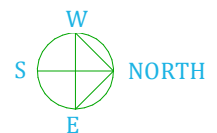
Project number	00015	Er.Sagar Contact No MO 7020926594 MO 8421511193
Date	21 june 2022	
Drawn by	ER.SAGAR MAHAJAN	Scale
Checked by	ER.Sagar.D.Mahajan	1 : 55

21-06-2022 10.04.05 AM



9"X12" COLUMN

9"X15" COLUMN



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Owner-Pavan Dhangar

PLOT SIZE 13'6" X 36'8"

Project number 0006

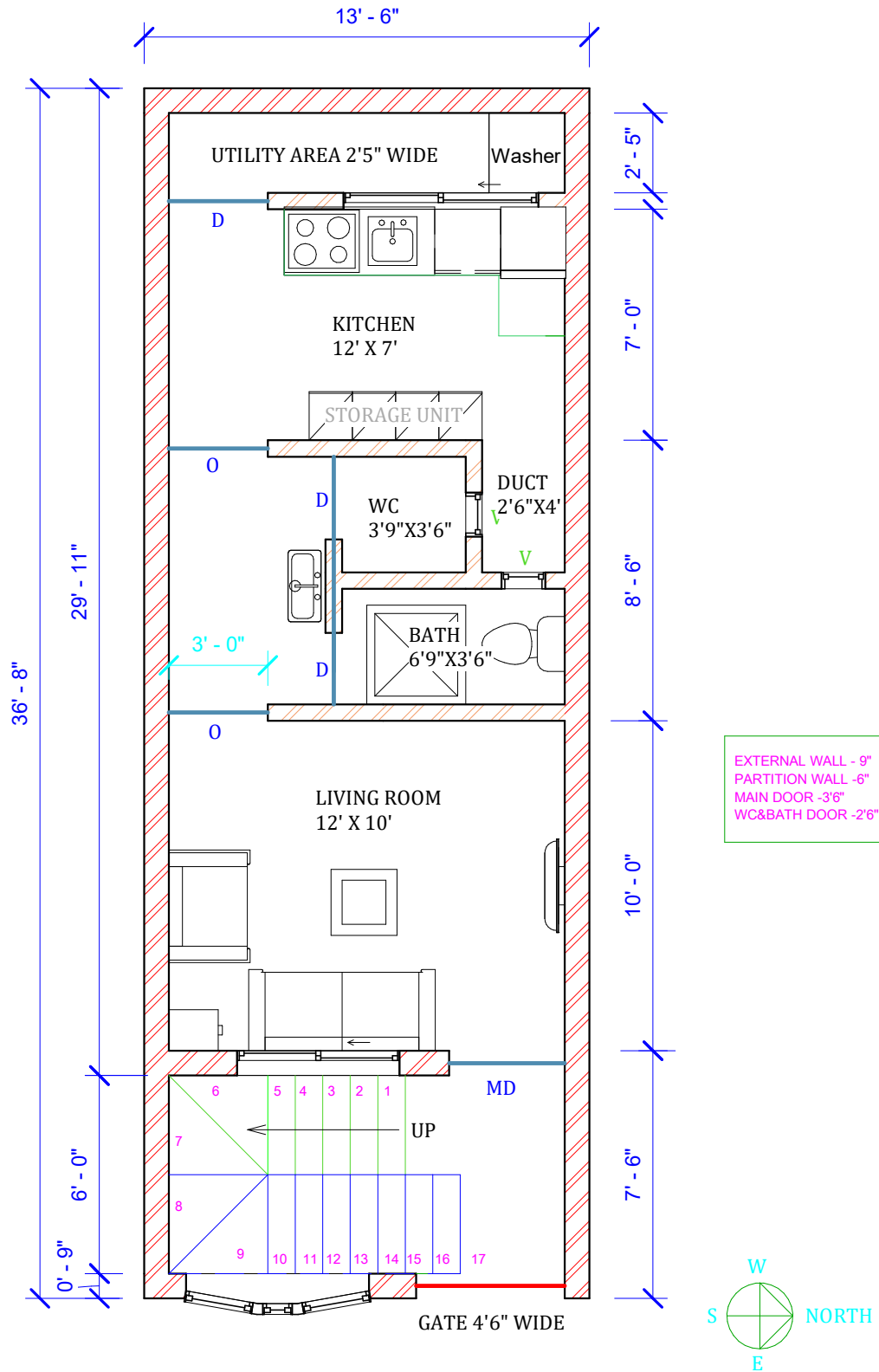
Date 28-DEC-2021

Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 55



www.autodesk.com/revit

Owner-Pavan Dhangar

PLOT SIZE 13'6" X 36'8"

Project number 0006

Date 28-DEC-2021

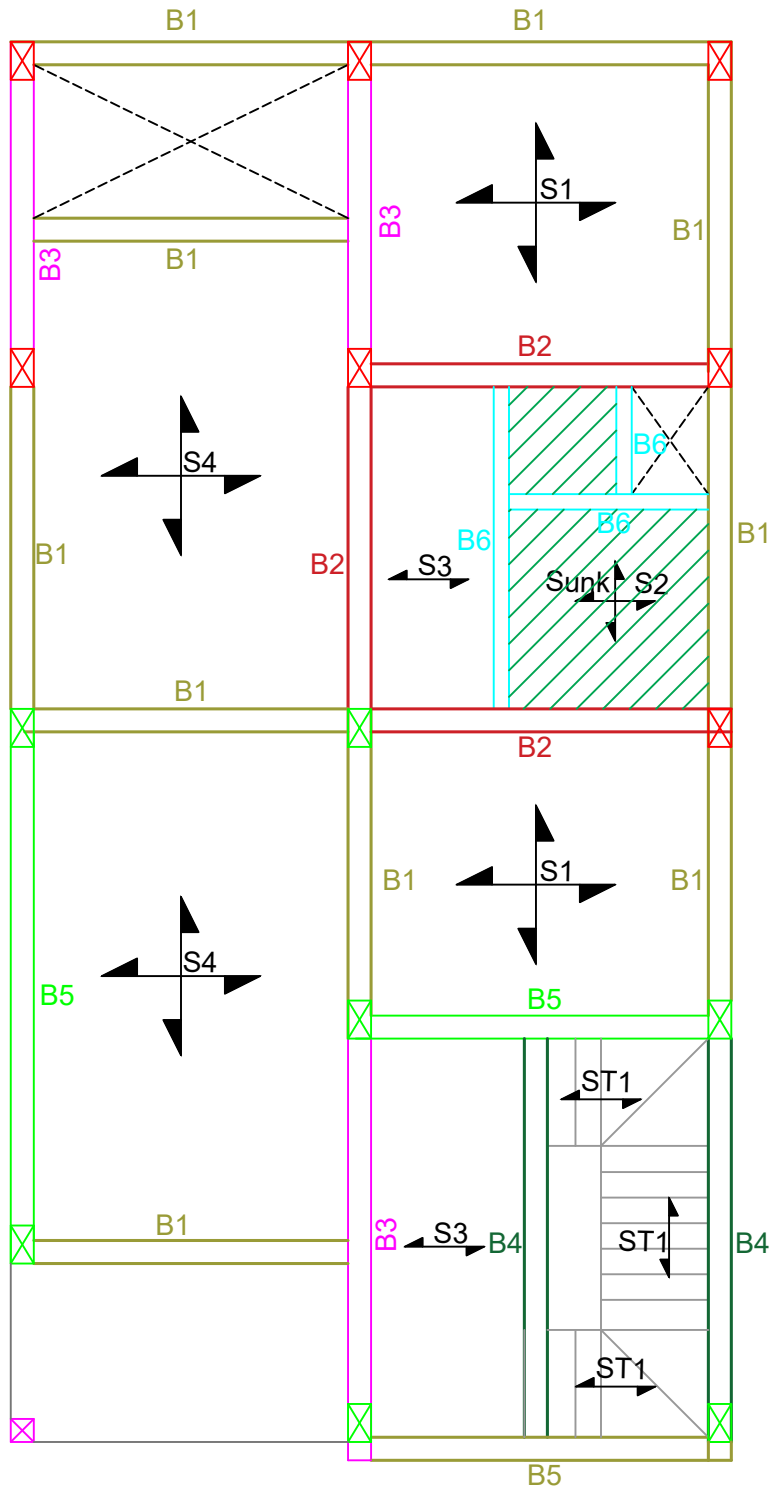
Drawn by ER.SAGAR MAHAJAN

Checked by ER.SAGAR MAHAJAN

MO-7020926594
MO-8421511193

Scale 1 : 55

27-12-2021 9.38.28 PM























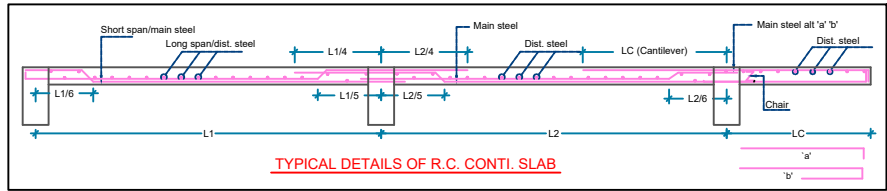
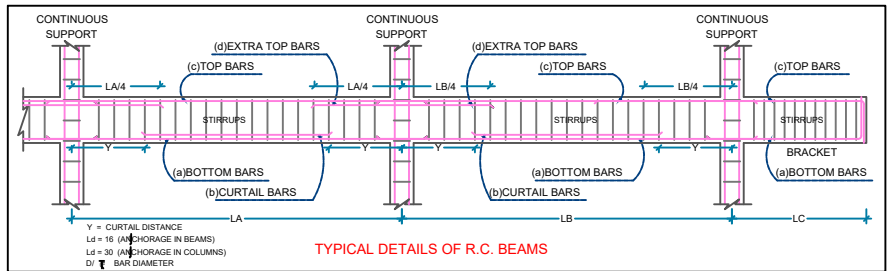
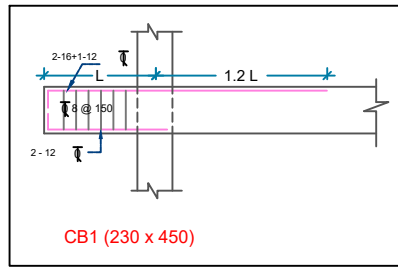
PLAN LAYOUT OF BEAMS & SLABS
AT 1ST SLAB LEVEL

SLAB SCHEDULE

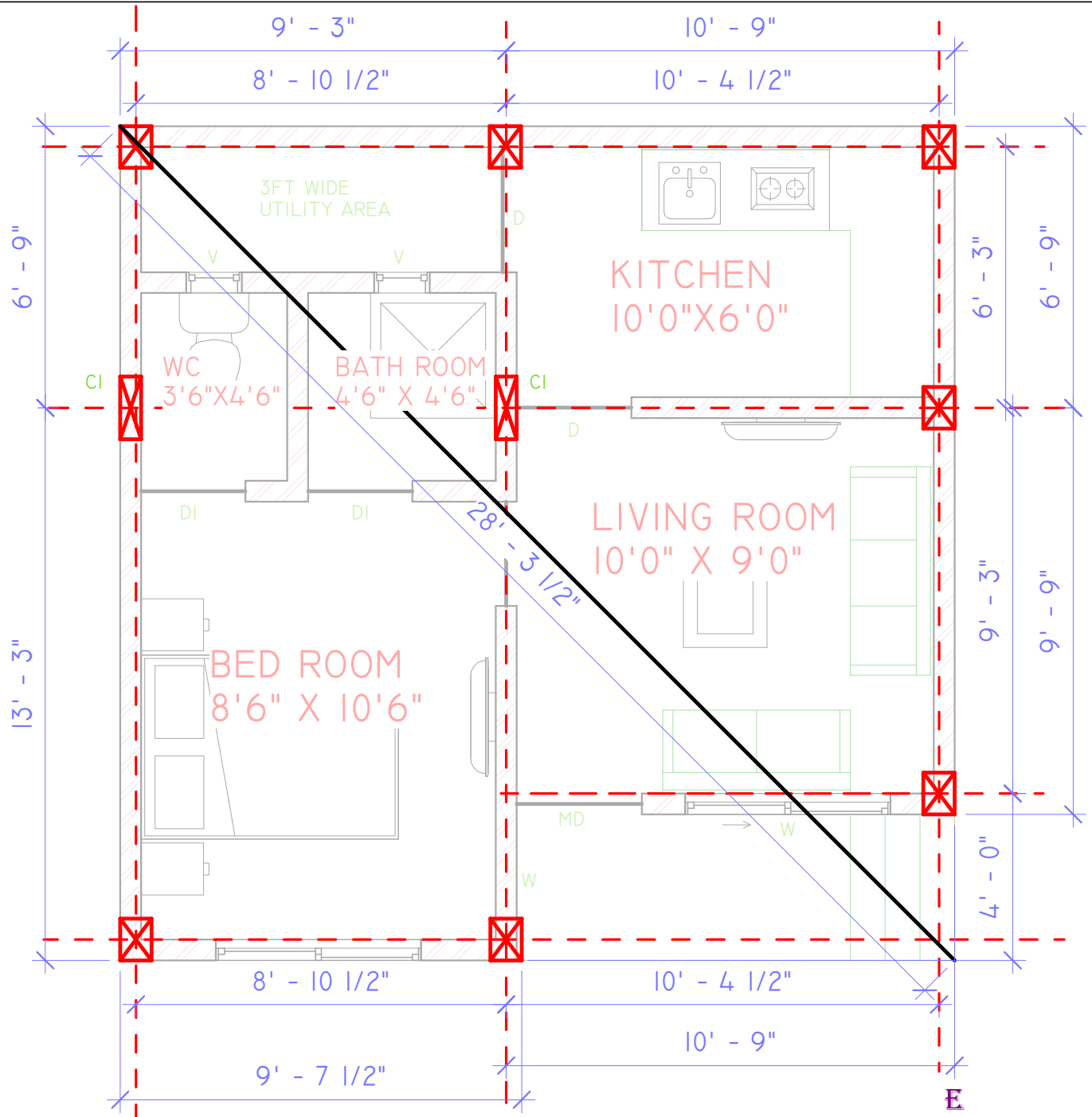
SLAB MARKED		THICKNESS	STEEL ALONG						REMARKS		
			SHORT SPAN			LONG SPAN					
			DIA	SPACING		DIA	SPACING				
S	1	125	⌀ 10	150	C/C	Alternate Bent	⌀ 10	175	C/C	Alternate Bent	(⤿) TWO WAY SLAB
S	2	125	⌀ 10	150	C/C	Alternate Bent	⌀ 8	150	C/C	Alternate Bent	(⤿) TWO WAY SUNK SLAB
S	3	125	⌀ 10	175	C/C	Alternate Bent	⌀ 8	175	C/C	Alternate Bent	(⤵) ONE WAY SLAB
S	4	135	⌀ 12	150	C/C	Alternate Bent	⌀ 10	150	C/C	Alternate Bent	(⤿) TWO WAY SLAB
ST	1	135	⌀ 8	225	C/C	Distribution	⌀ 12	175	C/C	Alternate Bent	STAIRCASE WAIST SLAB

BEAM SCHEDULE

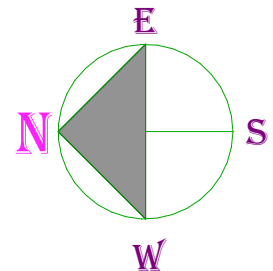
BEAM NOTATION		SIZE		STEEL AT BOTTOM			STEEL AT TOP			STIRRUPS		REMARKS
		B	D	STRAIGHT BAR (a)	CURTAIL BAR (b)	CURTAIL DISTANCE (Y)	STRAIGHT BAR (c)	EXTRA ON SUPPORT BAR (d)				
B	1	230	380	2 - 12 	2 - 12 	450	2 - 10 		 8 @ 200 C/C			
B	2	230	380	2 - 12 	3 - 12 	450	2 - 10 		 8 @ 200 C/C			
B	3	230	380	2 - 16 	2 - 12 	450	2 - 10 	1 - 12 	 8 @ 200 C/C			
B	4 , 5	230	380	3 - 12 			2 - 10 	2 - 12 	 8 @ 200 C/C			
B	6	150	380	3 - 12 			2 - 8 		 8 @ 200 C/C			



* Basic reference code :- IS 456 : 2000			
* This drawing shall be read along with architectural drawing.			
* Design is valid for number of floors as indicated in the drawing.			
* Material grade M20 & Fe500 shall be used.			
(unless specified)			
* Nominal covers :-			
		MILD	MODERATE SEVERE
1) Footings		50	50 50
2) Columns (to links of column)		40	40 45
3) Slabs		20	25 40
4) Beams (to stirrups of beam)		25	30 45
5) Lift wall		40	40 45
For main reinf. up to 12mm dia. bar for mild exposure the nominal cover may be reduced by 5mm for slabs & beams only.			
* All lags (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.			
GRADE OF REINF.		M20	M25
Fe415		55 x D	47 x D
Fe500 (TMT)		66 x D	56 x D
* The S.B.C. of foundation strata is assumed to 200 kN/sq.m.			
* Proper care shall be taken while excavating near existing building.			
* Foundation trenches/pits shall be well protected.			
* The larger dimension of a footing shall be oriented along the larger side of a column unless & until mention otherwise.			
* Reinforcement parallel to width of footing shall be laid first.			
* Maximum allowable height of column without any brace or tie			
1) 230 wide 4000mm. 2) 200 wide 3400mm.			
3) 150 wide 3000mm.			
* At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.			
* Minimum clear spacing between any two longitudinal bars in beam = 50mm.			
* Extra steel at support should extend 1/4th of span or 60D whichever is greater.			
* Extra top bars shall be provided in 2nd layer. Extra top bars shall extend upto L/4 of adjoining span at continuous end & at discontinuous end.			
* All other bars shall extend upto L/10 in adjoining span at continuous end or shall have bends = D/2 in support at discontinuous end.			
* At continuous ends top bars shall extend upto L/4 & bottom bars upto L/10 in adjoining span			
* At discontinuous ends top & bottom bars shall have ell bends.			
* At discontinuous ends provide extra top bars L/4 (with 300mm ell bends)			
* For cantilevers, top bars to be anchored behind from external face of support for 70 x dia. of bars or span of cantilever-whichever is greater.			
* Beams having depth more than 750mm, provide side-face reinforcement.			
* All buildings shall have tie beams/plinth beams at ground/plinth level.			
* Alternate bars in slabs should be bent at 1/8th span in case of end spans, 1/5th span in continuous slab & should be continued 1/4th of adjacent span.			
* Due care shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. it shall comply with provision of Clause No. 11.3 of IS 456 : 2000.			
* Fire rating considered :- 1 Hour Max.			
* Our responsibility shall remain limited to safe & sound structural design as transmitted by this drawing & we shall not remain responsible for			
a) Safety of old structure during demolition.			
b) Safety of any adjoining building / person staying in adjoining building / person & properties on adjoining roads.			
c) Safety of construction worker / any personnel at work site during construction.			
d) Correctness / safety of any temporary structure, scaffolding, shuttering, centering, erected at site & any injury to any personnel arising out of their accidents.			
e) Accident occurring due to premature deshuttering faulty / substandard construction material or workmanship / faulty construction procedure.			
f) any accident occurring due to construction of elements of buildings not design by us.			
g) quality of concrete and reinforcement steel on site.			
h) Our responsibility limits to providing Safe and Sound structural design. Site engineer is to be appointed by the owner and Site supervision is completely the responsibility of the appointed agency. We shall not be held responsible for Site supervision, Faulty Execution, faulty Material and Faulty construction practices.			
i) We shall not be held responsible for any alteration / changes / revisions unless and until done with our consent.			
j) Proper curing to all structural members is absolutely necessary.			
k) Use of rich Mix for all columns and Beam-Column junction is recommended.			
PROJECT	:-	PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT DHANORA	
DRG.TITLE	:-	LAYOUT & DESIGN OF BEAMS & SLABS AT 1ST SLAB LEVEL.	
OWNER	:-	Mr. SAGAR BHAI MAHAJAN	
ARCHITECT	:-	MAKWANA ENGG.	
DWG. NO.	:-	REVISION	:- R-0
SCALE	:-	DATE	:- 03.04.2021



COLUMN CI-SIZE -6"X18"
ALL OTHER COLUMN SIZE -9"X12"



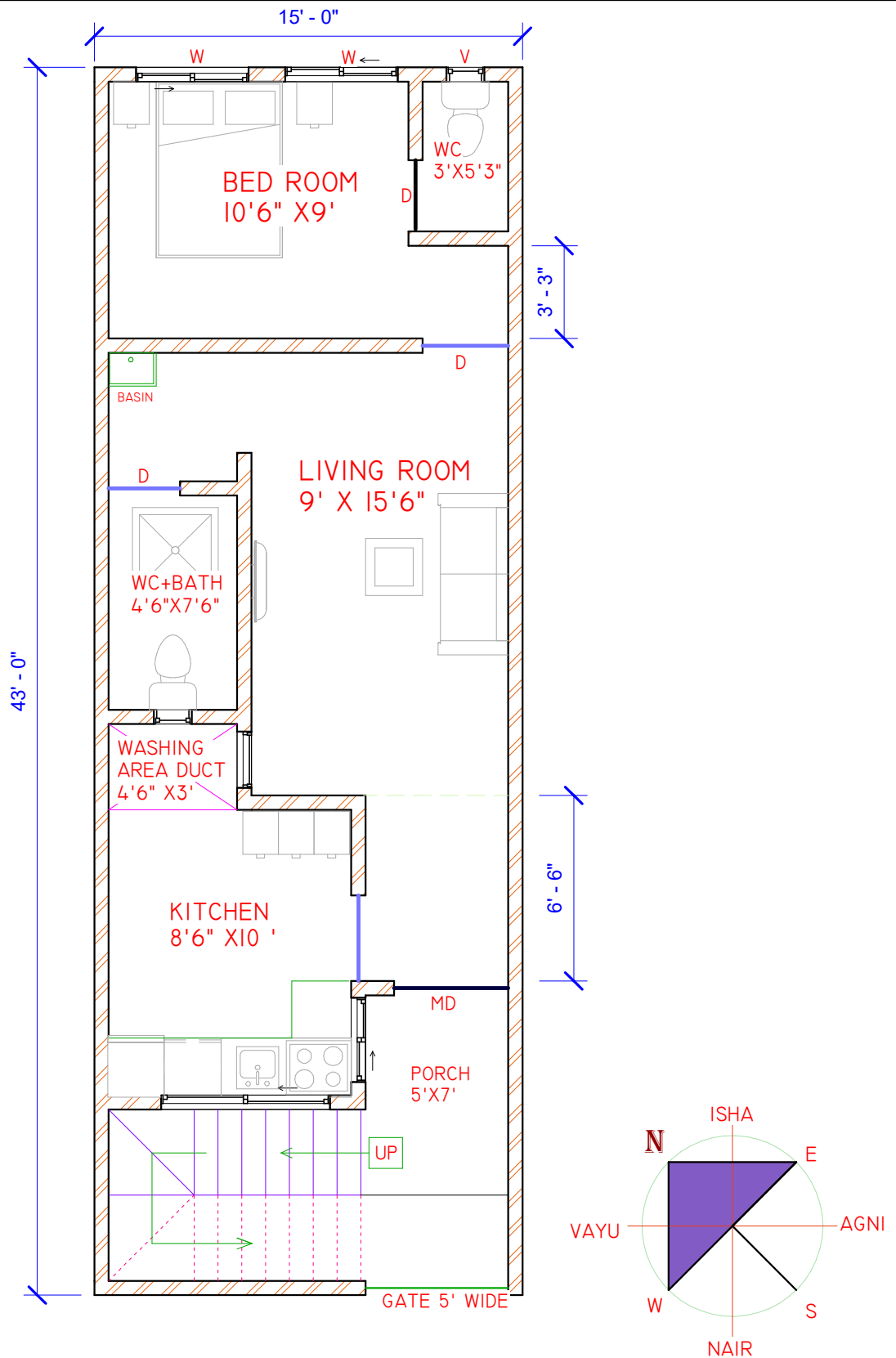
www.autodesk.com/revit

Owner-Sagar Lotu
Mahajan

South Facing 20 ft x 20ft Plot

Project number	00015	MO 7020926594 MO 8421511192
Date	27 April 2022	
Drawn by	ER.Sagar Mahajan	Scale 1 : 40
Checked by	ER.Sagar Mahajan	

28-04-2022 10.30.01 AM



www.autodesk.com/revit

Owner
**Mr.SURENDRA
CHAUDHARI**

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

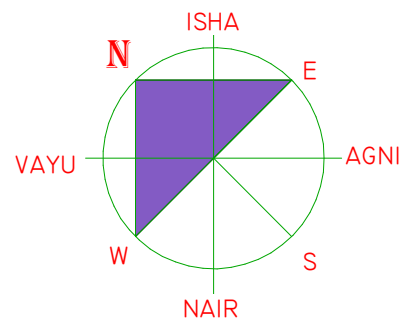
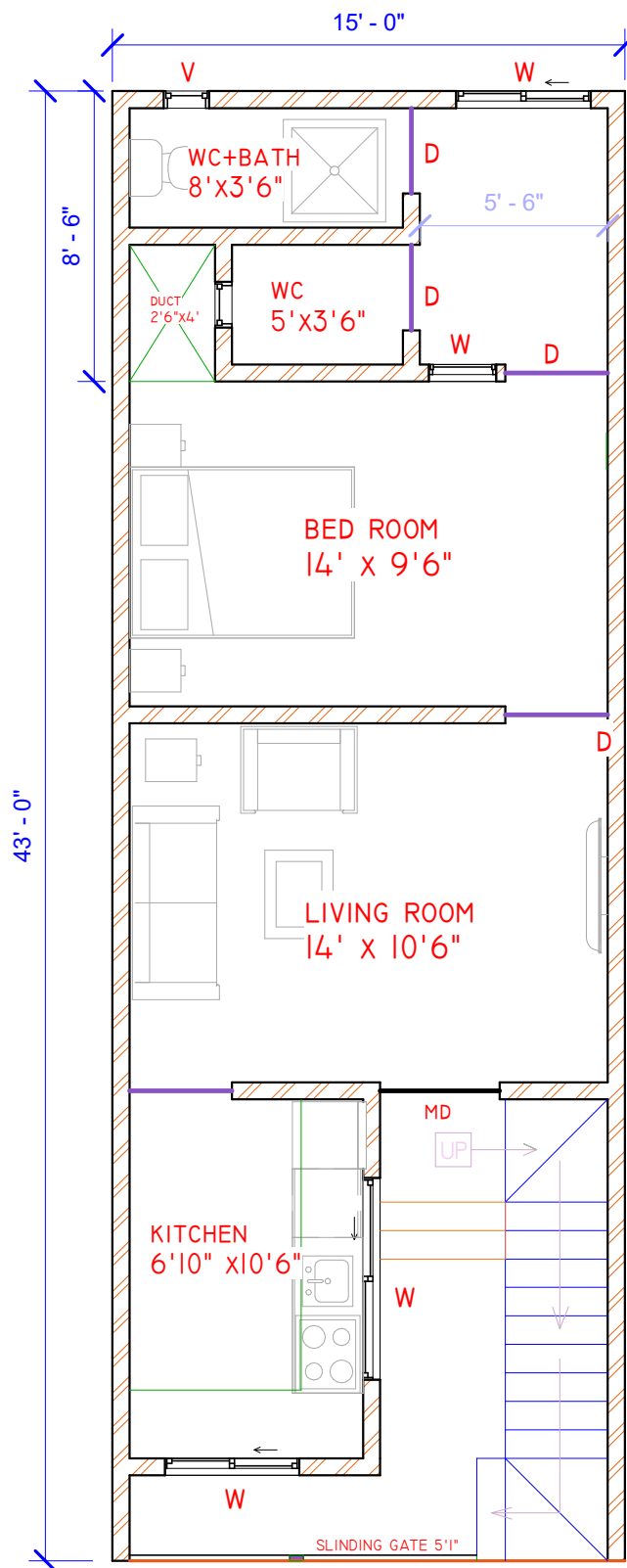
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar .M

A14001

Scale 1 : 60



www.autodesk.com/revit

Owner
Mr.SURENDRA
CHAUDHARI

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

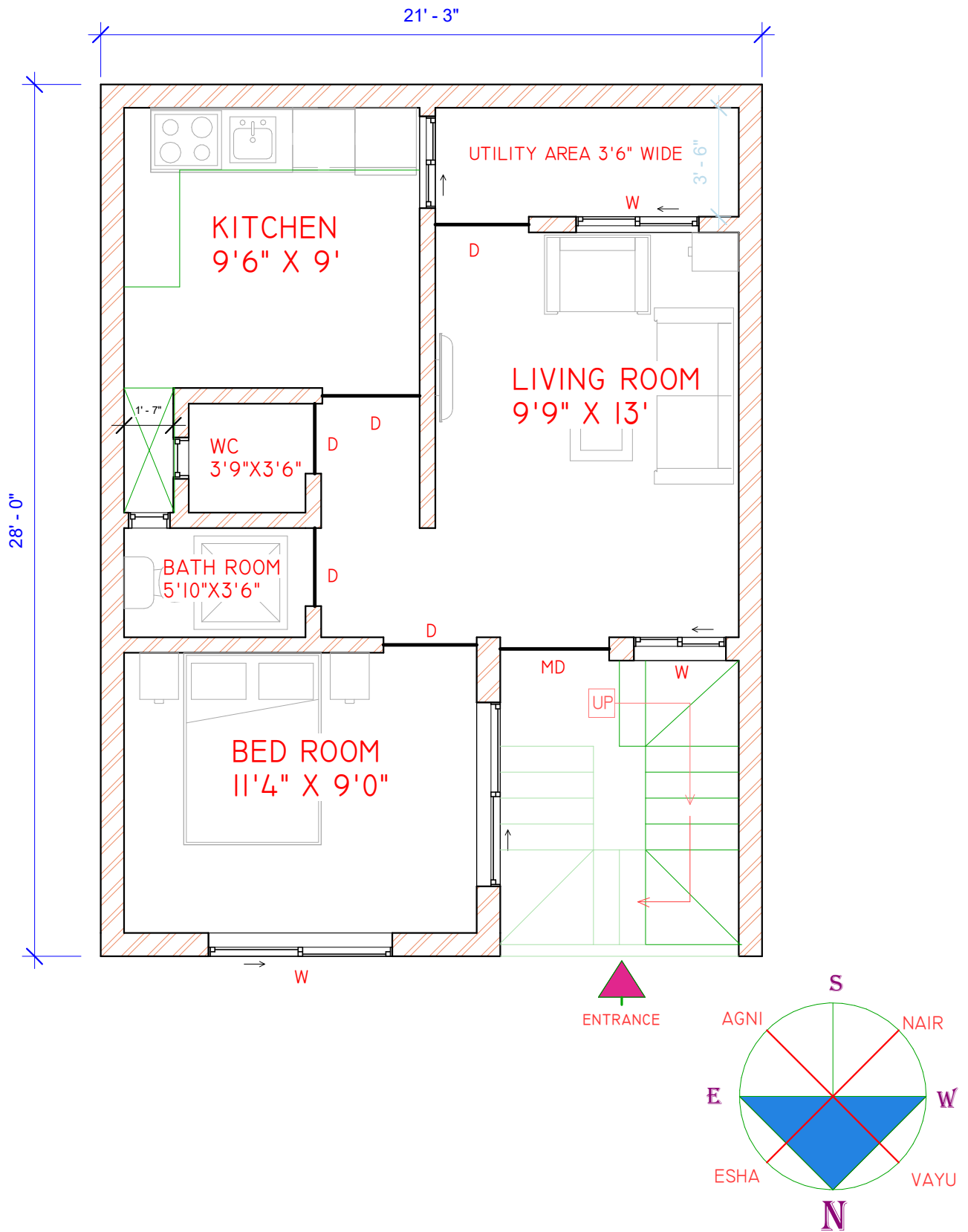
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar.M

A14003

Scale 1 : 60



www.autodesk.com/revit

Owner - Subhash
Mahajan

21'3" WIDE NORTH FACING PLAN

Project number 00015

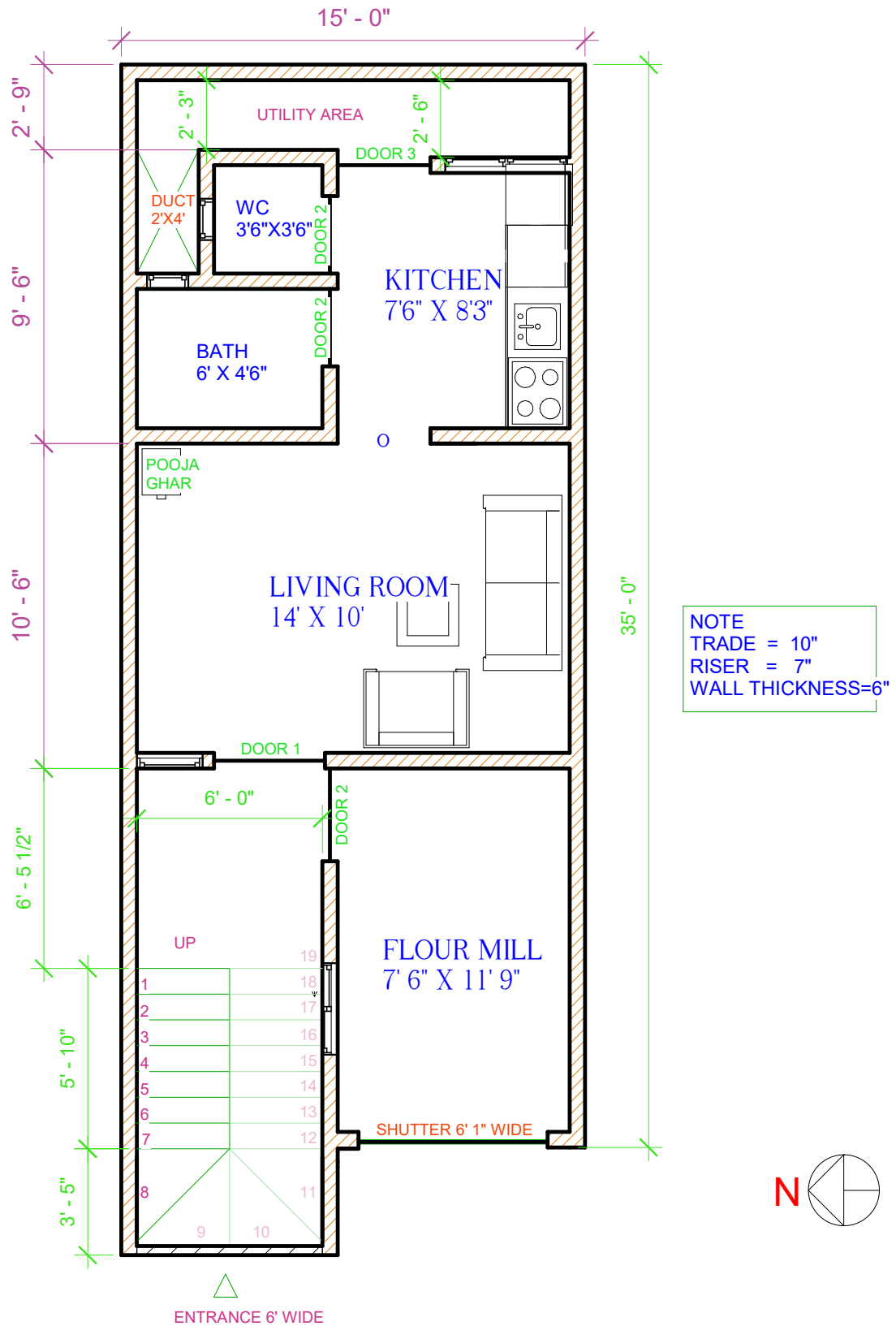
Date 17 JUNE 2022

Drawn by ER.Sagar Mahajan

Checked by ER.Sagar.D.Mahajan

A101

Scale 1 : 50



www.autodesk.com/revit

Owner

YUVRAJ KOLI

GROUND FLOOR PLAN, NO-2

Project number 0004

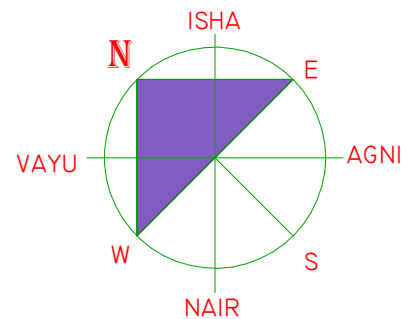
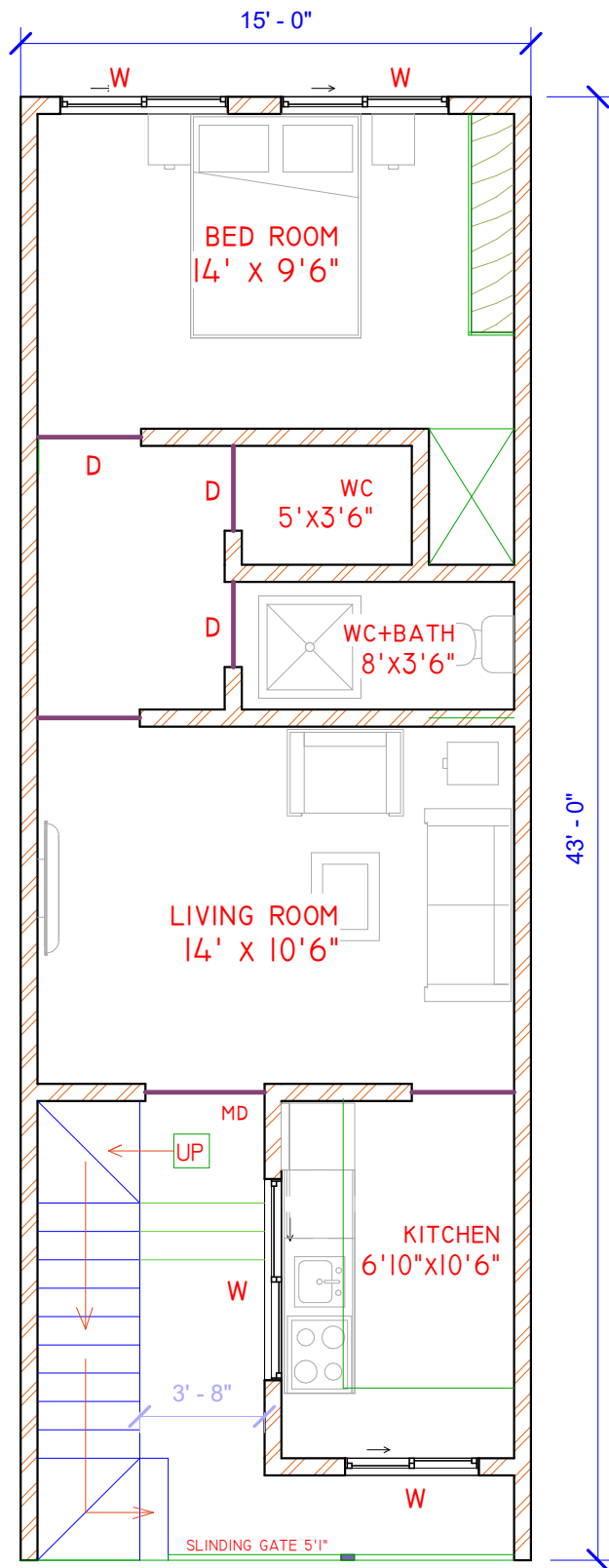
Date 13 MAY 21

Drawn Er.Sagar Mahajan

Checked by Er.Sagar

A402

Scale 1 : 55



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Owner

Mr.SURENDRA
CHAUDHARI

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

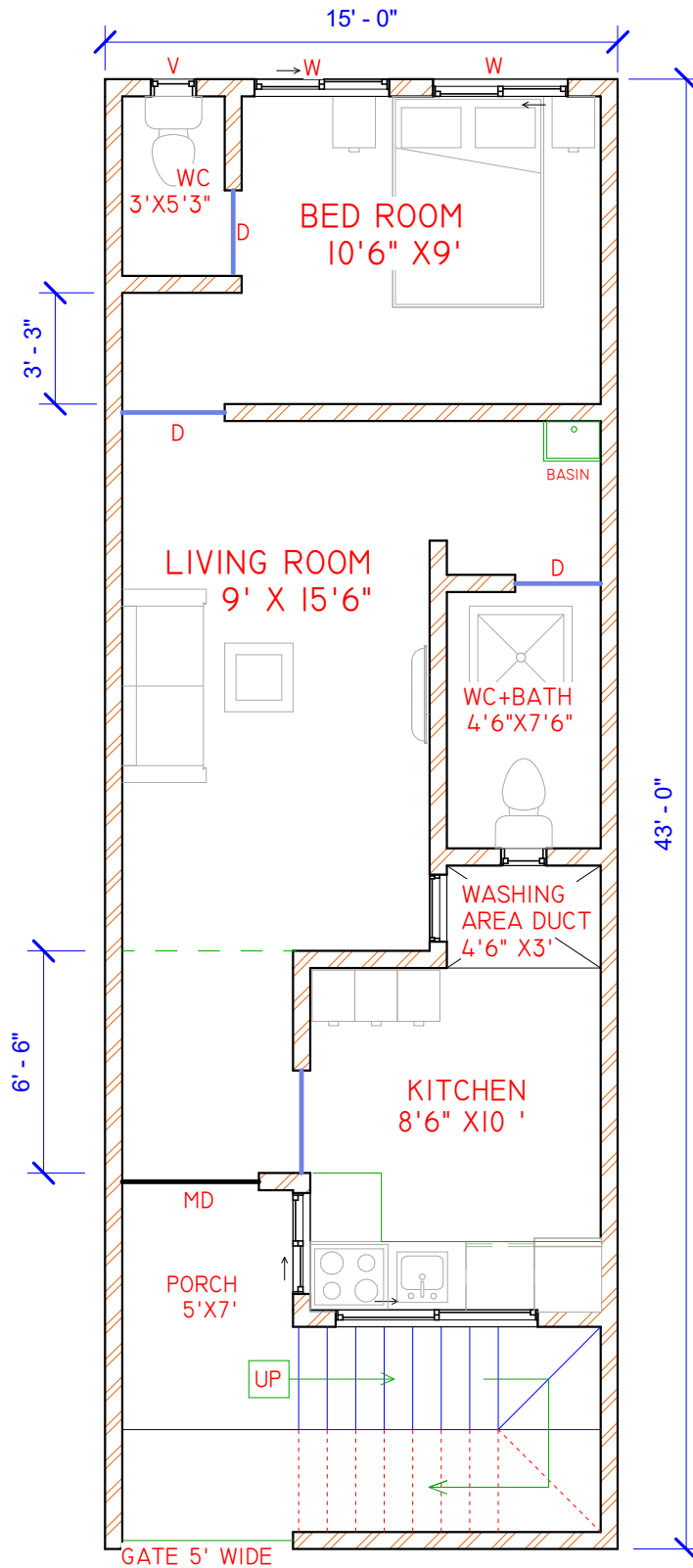
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar.M

A14005

Scale 1 : 60



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Owner
Mr.SURENDRA
CHAUDHARI

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

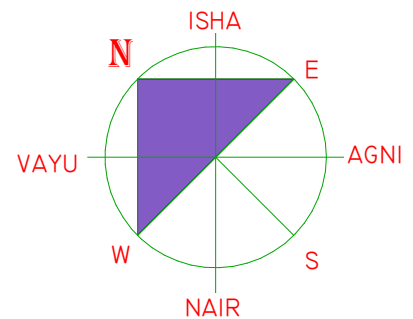
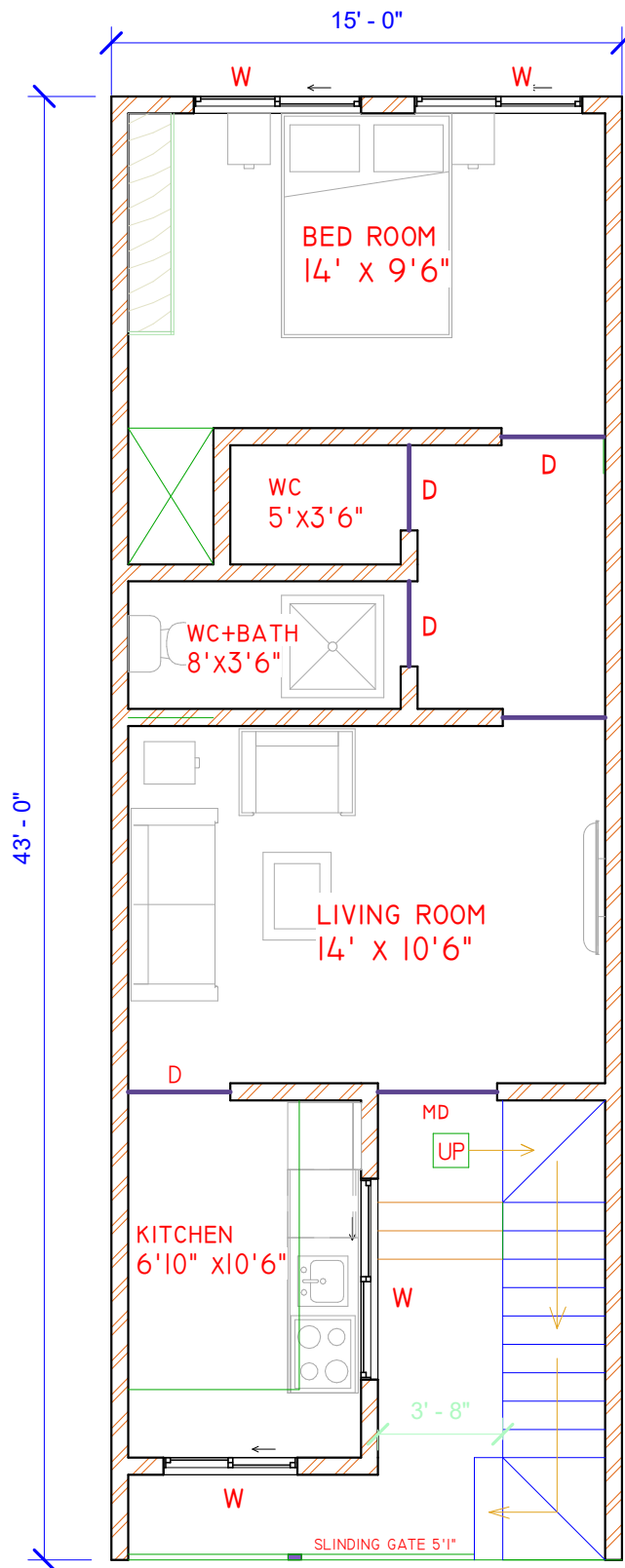
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar.M

A14002

Scale 1 : 60



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Owner
**Mr.SURENDRA
CHAUDHARI**

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

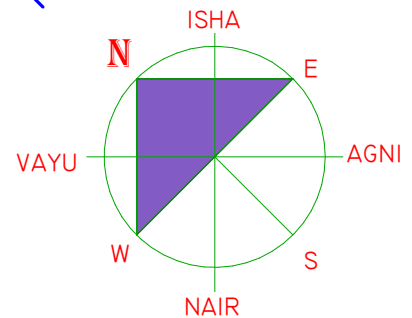
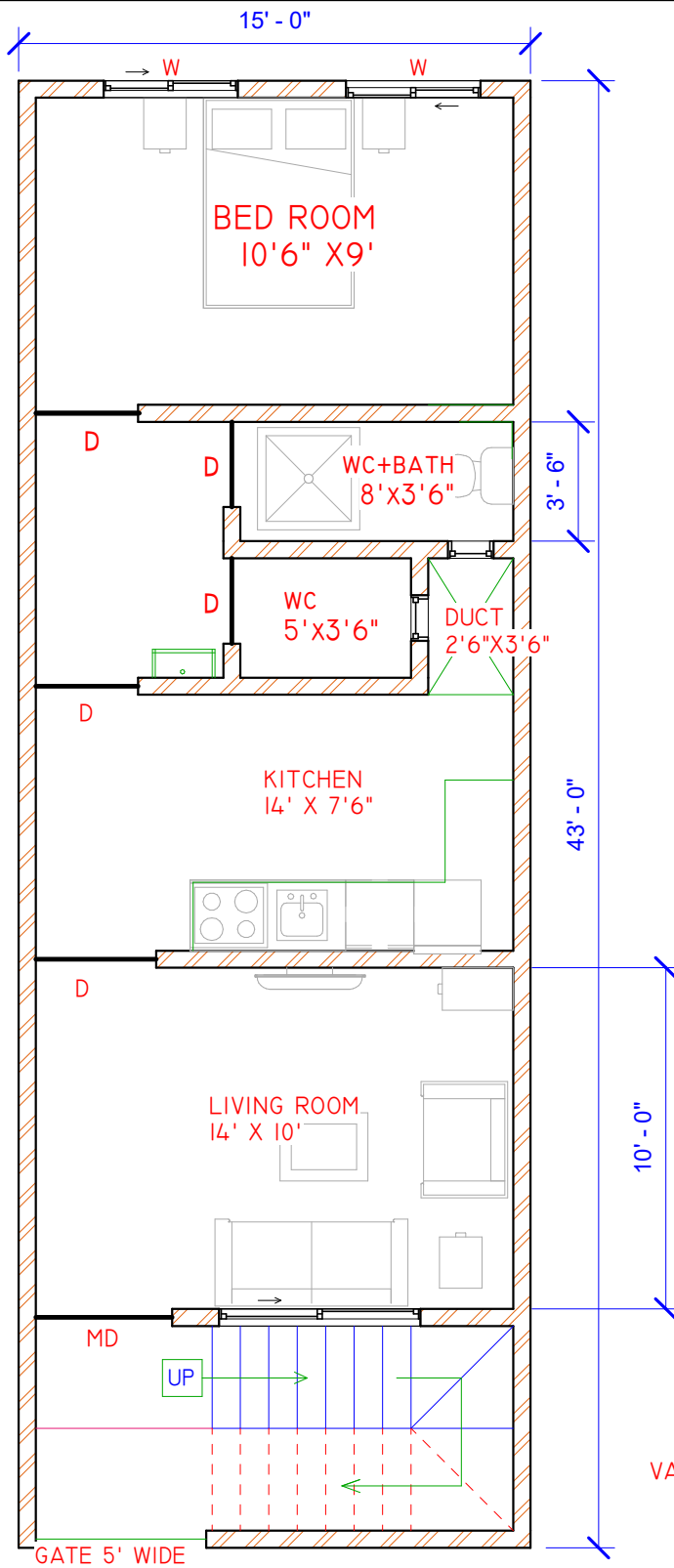
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar.M

A14004

Scale 1 : 60



www.autodesk.com/revit

Owner

Mr.SURENDRA
CHAUDHARI

15ft x 43ft NAIRETYA FACING
PLOT

Project number 00014

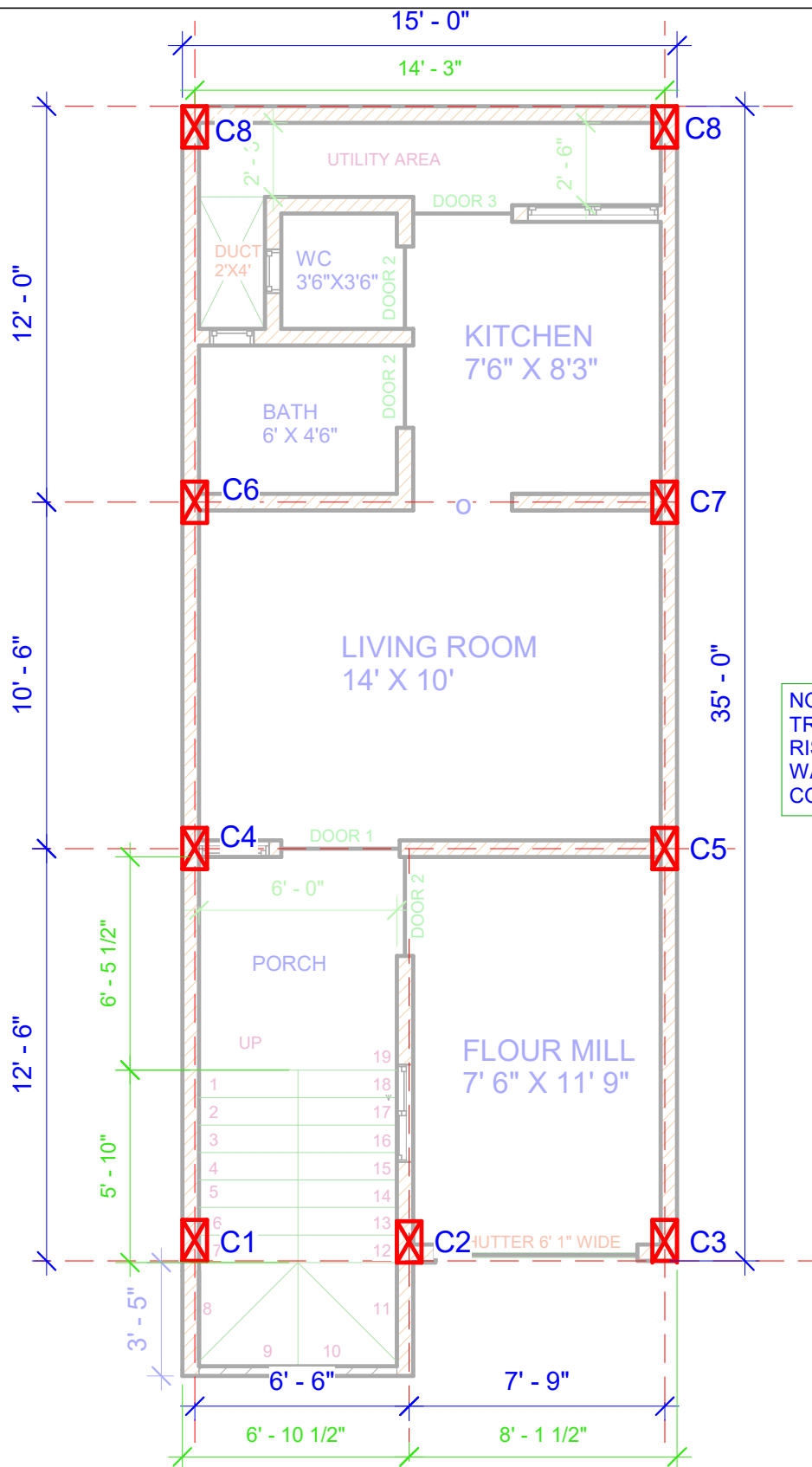
Date 10 JUNE 2022

Drawn Er.Sagar Mahajan

Checked by Er.Sagar.M

A14006

Scale 1 : 60



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Owner

YUVRAJ KOLI

CENTRE LINE PLAN

Project number 0004

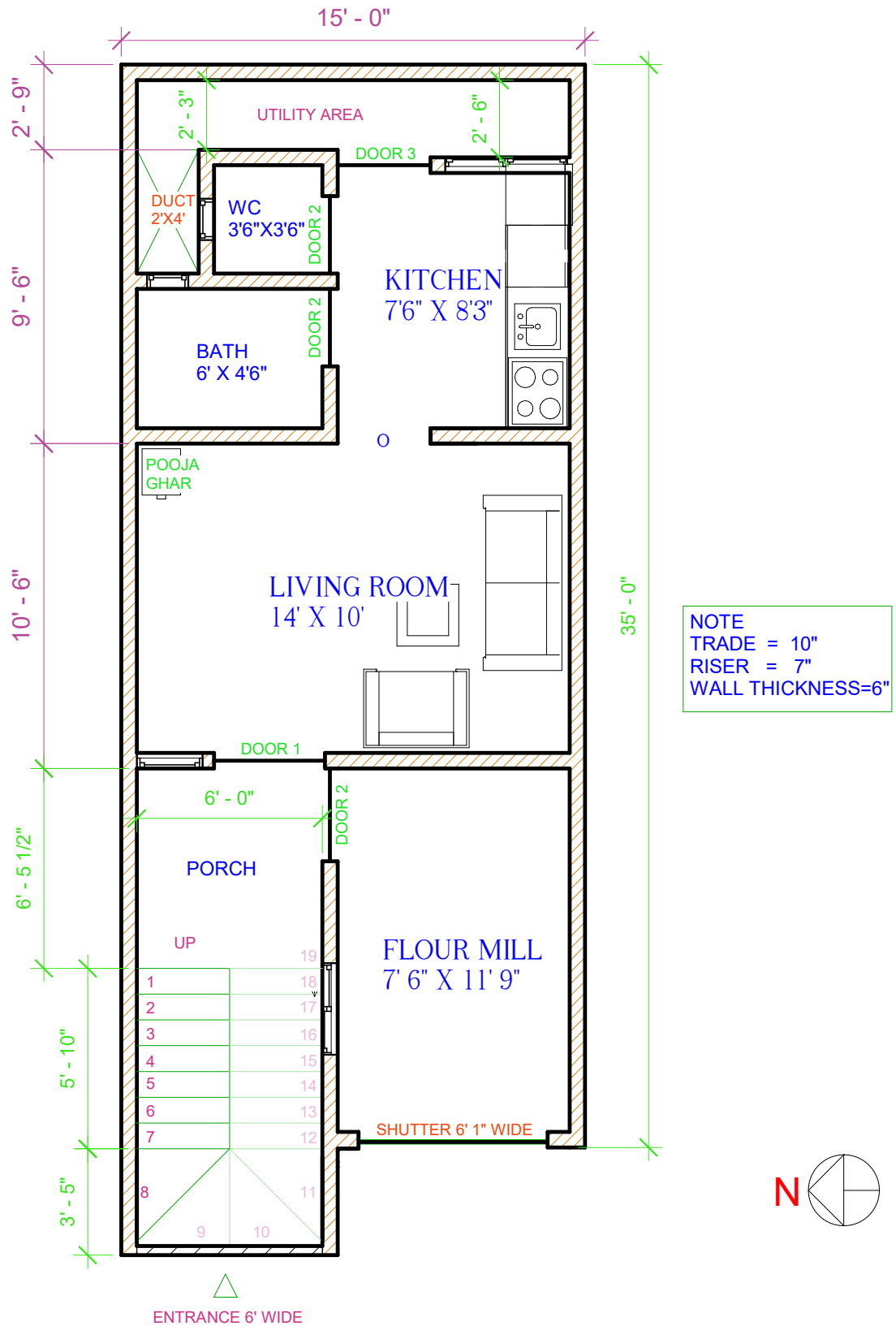
Date 13 MAY 21

Drawn Er.Sagar Mahajan

Checked by Er.Sagar

A402

Scale 1 : 55



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Owner

YUVRAJ KOLI

GROUND FLOOR PLAN, NO-2

Project number 0004

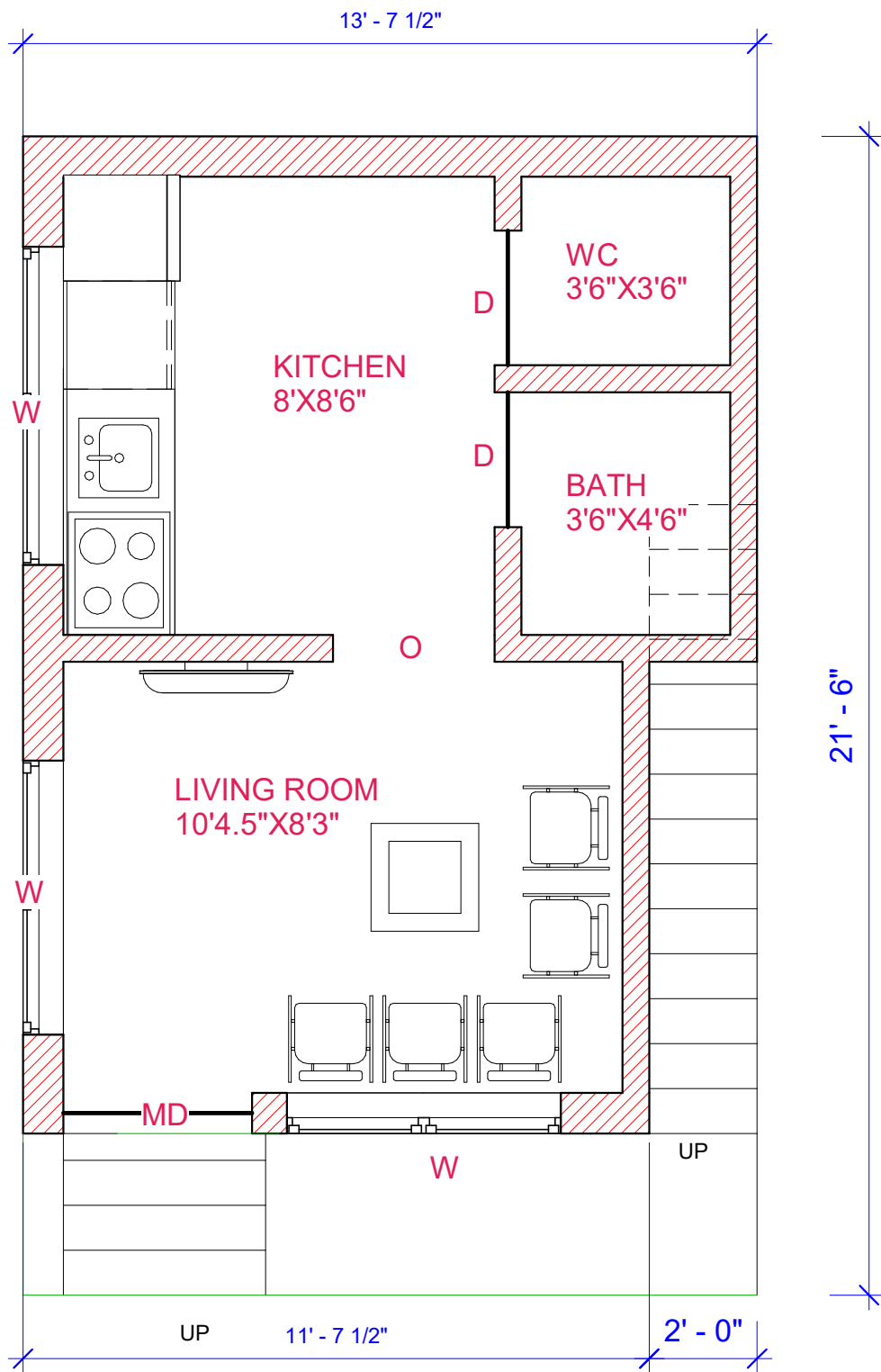
Date 13 MAY 21

Drawn Er.Sagar Mahajan

Checked by Er.Sagar

A402

Scale 1 : 55



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Owner
Mr.Sagar
Chaudhari

GROUND FLOOR PLAN

Project number 0002

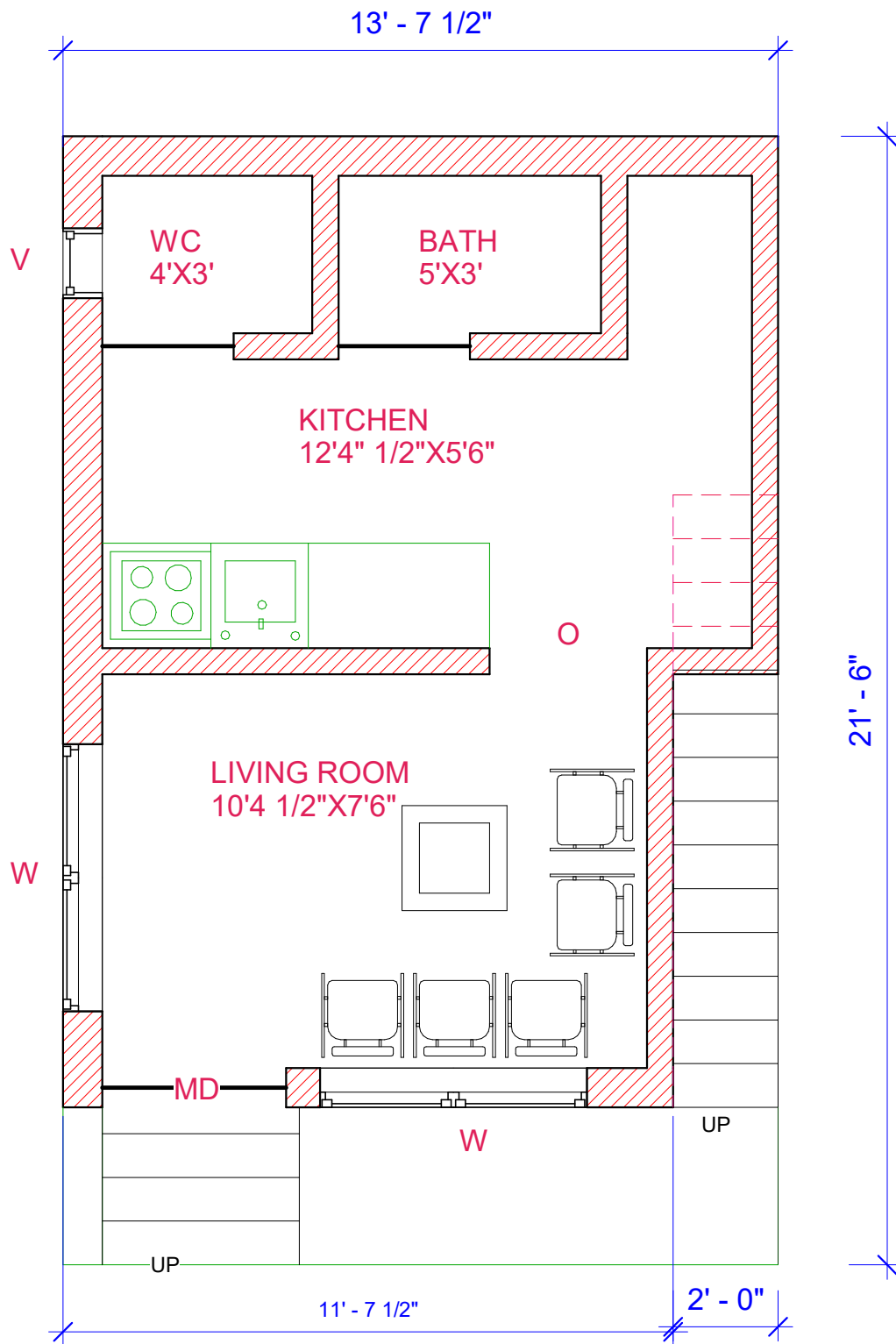
Date 4 MAY 21

Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

P2D1

Scale 1 : 35



www.autodesk.com/revit

Owner
Mr.Sagar
Chaudhari

GROUND FLOOR PLAN

Project number 0002

Date 4 MAY 21

Drawn Er.Sagar Mahajan

Checked by Er.Mahajan

P2D1

Scale 1 : 35