

ADDRESS

HUMBLE
CENTER
20811 HW 59
N, HUMBLE,
TX, 77338

PREPARED BY:-

FLOOR PLAN

SHEET TITLE:-

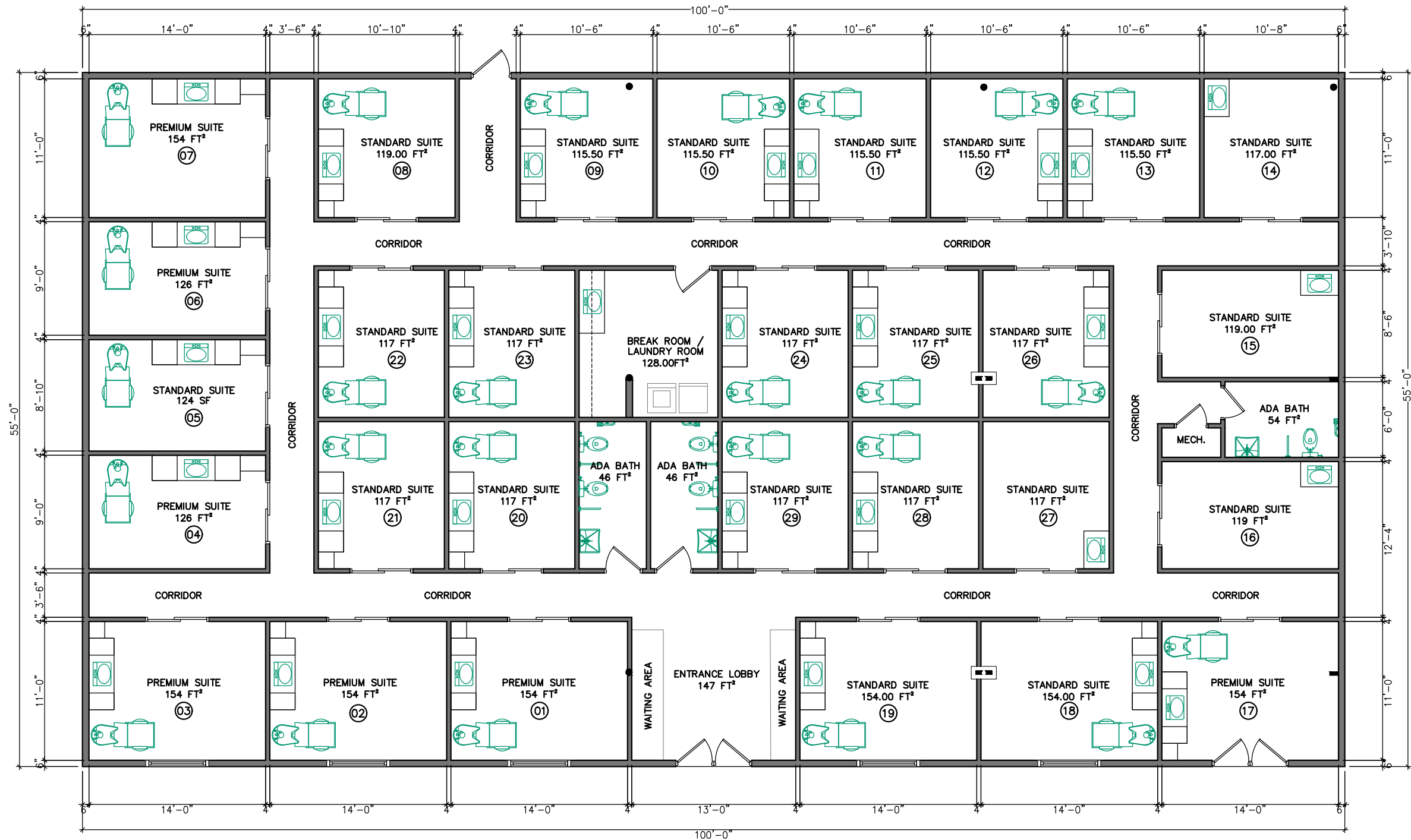
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Project No: xxx
Drawn By: RB
Client Name:
Checked By:
Approved By: RB

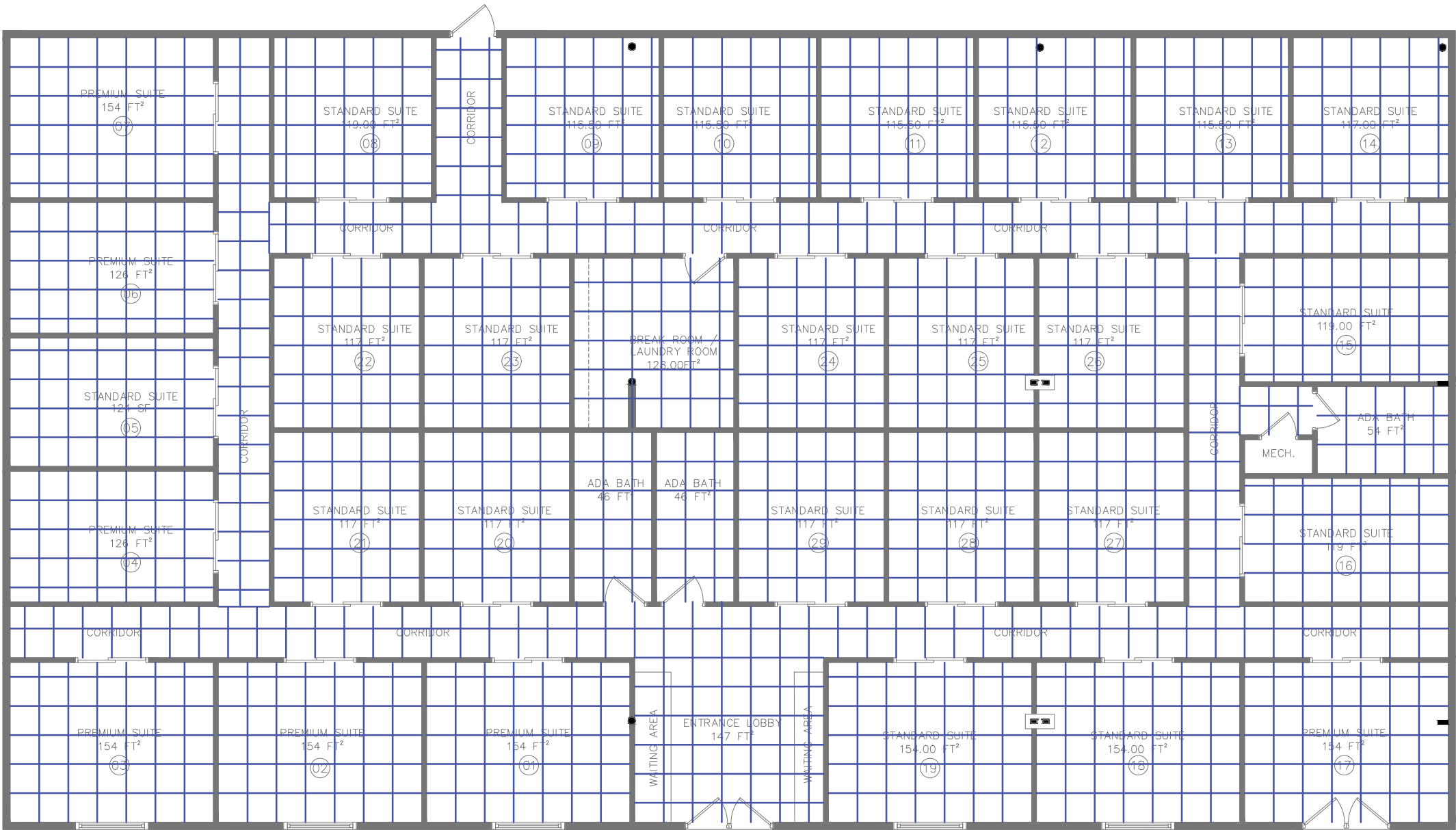
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SCALE BAR 1/8"



PROPOSED FLOOR PLAN





CEILING PLAN

ADDRESS

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SHEET TITLE-

Ceiling Plan

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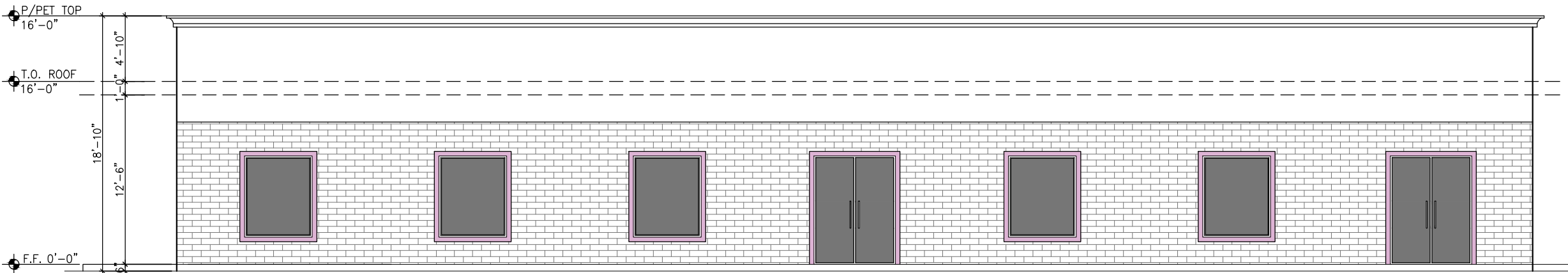
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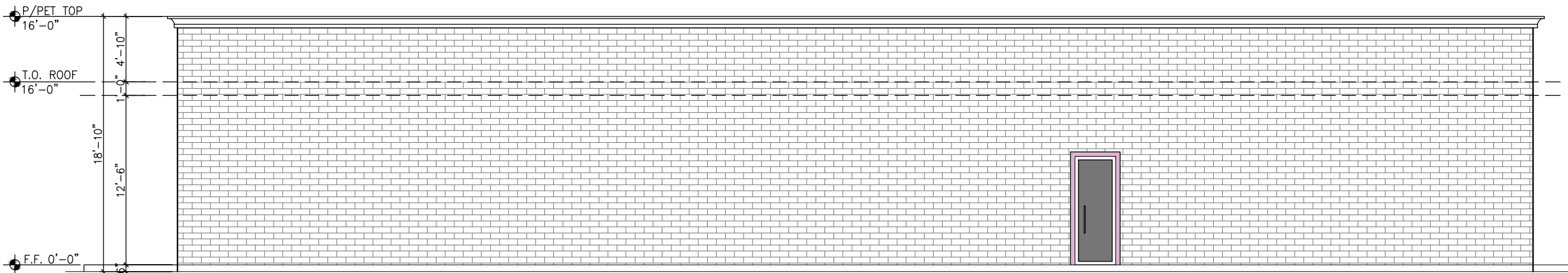
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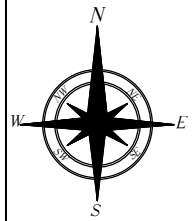




FRONT ELEVATION
SCALE: 1/8"=1'-0"



REAR ELEVATION
SCALE: 1/8"=1'-0"



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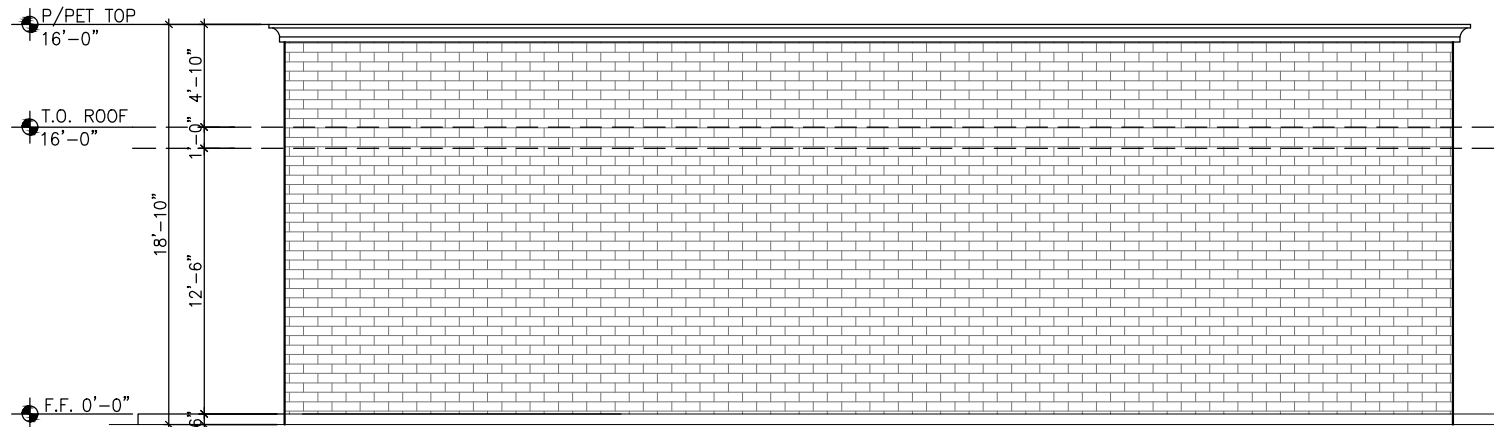
Front & Rear
Elevations

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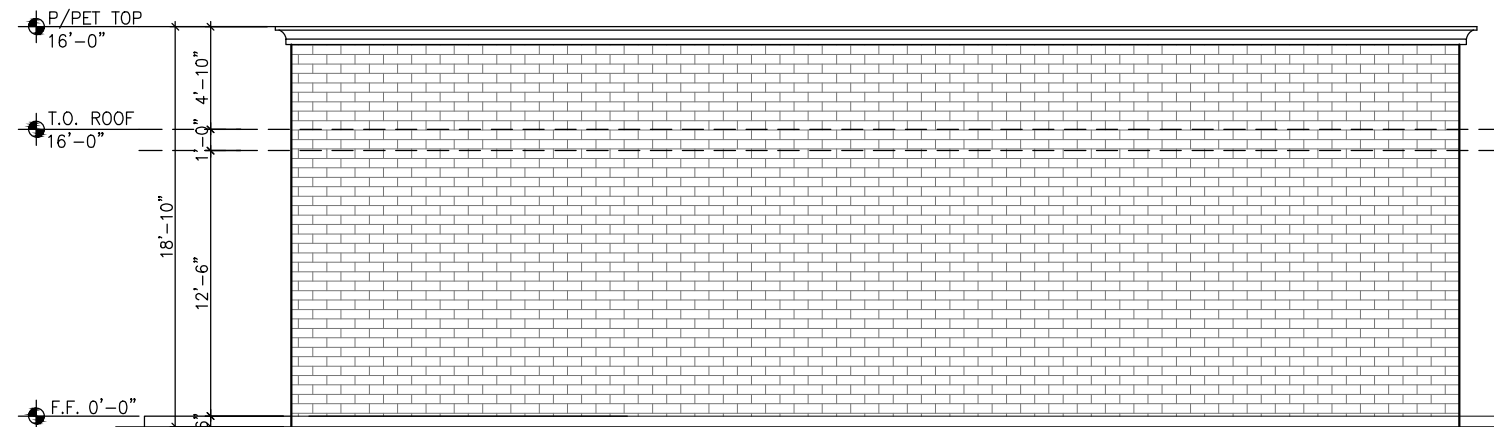
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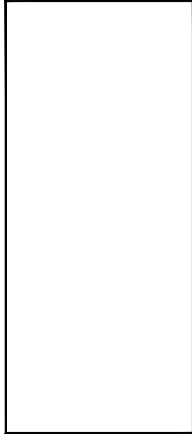
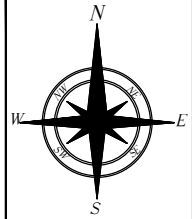




RIGHT ELEVATION
SCALE: 1/8"=1'-0"



LEFT ELEVATION
SCALE: 1/8"=1'-0"



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Right & Left
Elevations

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Electrical Notes

Receotacles & Switches

· Electric outlet plate gaskets shall be installed on receptacles,switches,and other electricalboxes in exterior walls per CEC Article 406.6.

· All 15-amp and 20-amp dwelling unit receptac e outlets shall be listed "tamper-resistant receptacles" per CEC Article 406.12.

R327.1.2 Electrical Receptacle Outlet, Switch and Control Heights

Electrical receptacle outlets,switches and controls (including controls for heating, ventilation and air conditioning) intended to be usedby occupants shall be located no more than 48 inches (1219.2 mm) measuredfrom the cop of the outlet box and not less than 15 inches (381 mm) measuredfrom the bottom of the outlet box above thefinish floor.

Exceptions:

· Dedicated receptacle outlets;floor receptacle outlets; controls mounted on ceiling fans and ceiling lights; and controls located on appliances.

· Receptacle outlets required by the California Electrical Code on a wall space where the distance between thefinishedfloor and abuift infeature above thefinishfloor, such as a window,is less than 15 inches (381 mm).

Circuit Interruption Protection

· All branch circuits that supply 240 volt, single-phase, 15 and 20 Ampere receptacle outletsinstalled in a dwelling unit living, dining, family, and recreation rooms, parlors, bedrooms, libraries, dens, hallways,closet or similar rooms or areas shall be protected by a listed "arc-fault circuit interrupter" (AFCI) to provide protection of the entire branch circuit (CEC article 210.12).Install at breaker or at first receptacle in circuit.

· All receptacles in bathrooms and kitchen counters and 6 feet of a sink or basin areas to be "Ground Fault Circuit Interrupter" (GFCI) protected per CEC Article 210-8(a)5 and 210-52(c).

Location Soecific

· Laundry Room
· A circuit suitable for the load with a minimum of 30 amperes Is required for an electric clothes dryer.

· A dedicated 20 amp branch circuit shall be provided to supplylaundry receptacles outlets per CEC 210.11(C)(2)

· Bathrooms & Kitchen
· Bathroom exhaust fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.

· Unless functioning as a component of the whole-house ventilation system. fans must be controlled by a humidity control.

· Provide a dedicated 20 Amp. circuit to service bathroom outlets and receptacles only per CEC 210-52.This circuit cannot supply any other receptaclesllightsfans.

o Light fixtures in the tub or sholver enclosures shall be labeled-suitable for damp locat ons" per CEC 410-4a).

· All receptacles in bathrooms and kitchen counter and 6 feet of a sink or basin areas to be Ground Fault Circuit Interrupt. (GFCI) protected per CEC 210-S(a)S and 210-52(c).

· Fanlight combinationin bathroom to Include high efficacy light (min. 40 LumensWatt). Moreover, if any lights in the kitchen or bathroom are new or relocated, the entire room shall be required to have high efficacy lights added to the kitchenbathroom per Title 24 energy requirements, mandatory measures per the Cal omia Energy Code Section 150(k) 1and2.

o Bathroom exhaust fans shall be Energy Star exhaust fans and must be controlled by a humidity control(CALGreen 4.506.1).

Smoke Detectors and Carbon Monoxide Alarms Notes

Lighting Notes

General

· All residentiallighting shall be high efficacy (i.e. pin-based CFL;pulse-start MH, HPS,GU-24 sockets other than LEDs, LED luminaires with integralsource, etc.). CEC Table 150.0-A

· Builder must provide the homeowner with a luminaire schedule (as required in Title 24 Caifornia Code of 5HJXODWLRQV 3DUWTE WKDW LQFOXGHV D OLVW RI ODPSV LQVWDOOHG LQ WKH OXPLQDULHV

Recessed Lighting

· Luminaries recessedinto ceilings shall be high efficacy and shall not contain screw base sockets per CEC Section 150.0(k) 1C.

· All recessed downlights shall be JA8-certified, and be controlled by dimmers or vacancy sensors per CEC Section 150.0(k) 1C and 150(k)2J.

· Recessed lightsin the ceiling are to be insulative cover rated.Fixtures not identified for contact with insulation shall have all recessed parts spaced at least 12" from combustible material and 3" from thenmalinsulat on.

Switching Devices and Controls

· In bathrooms, garages,laundry rooms,and utility rooms, at least one fixturein each of these spaces must be controlled by a vacancy sensor or dimmer per CEC Section 150.0(k)21.

· For all space types except hallways and closets that are 70 squarefeet or smaller,vacancy sensors or dimmers are required when using a source regulated by JAS per CEC Section 150.0(K)2J.

· Any under cabinet lighting (including Kitchen lighting) must be switched separately from other lighting systems per CEC 150.0(k)2K

· Exhaust fans (excludes kitchen exhaust hoods) must be switched separately from lighting or utilize a device where lighting can be turned OFFwhile the fanis running per CEC 150.0(k)2B.

Location Specific

· Bathroom
· Light fixtures in the tub or shower enclosures shall be labeled "suitable for damp locations" per CEC 410-4(a).
· Fanlight combinationin bathroom toInclude high efficacy light (min.40 LumensWatt).

· Kitchen Lighting
· Lighting in areas adjacent to the kitchen must be switched separately from the kitchen lighting.

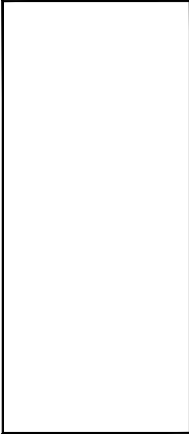
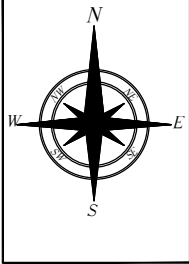
Exterior Lighting

· All lighting fixtures shall be shielded so as not to produce obtrusive glare onto the public right-of-way or adjoining properties. All luminaires shall meet the most recently adopted criteria of the Illuminating Engineering Society of North America (IESNA) for cutoff or full cutoff luminaires.

· Light fixtures shall comply with Section 18.15.070 of the SCMC.

· All outdoor lighting must be high efficacy and must include manual onoff switch and one of the follow ing in accordance with CEC 150.0(k)3:
· Photocontroland motion sensor
· Photocontroland automatic time switch control
· Astronomical time switch control
· Energy Management Control Systems.

ELECTRICAL KEY	
	DUPLEX OUTLET
	GROUND FAULT CIRCUIT INTERRUPT
	220 VOLT OUTLET
	110 VOLT OUTLET
	SINGLE COMMON SWITCH
	3-WAY COMMON SWITCH
	VANITY LIGHT
	PENDANT LIGHT
	CAN LIGHT
	RECESSED LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	EXHAUST FAN
	SMOKE DETECTOR
	CHANDELIER WITH HOOK
	ELECTRIC METER
	CONTROLLER PANEL
	CEILING FAN



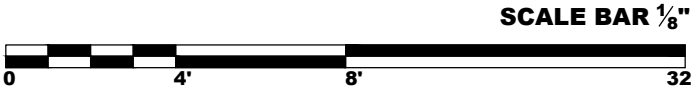
ADDRESS
HUMBLE CENTER 20811 HW 59 N, HUMBLE, TX, 77338

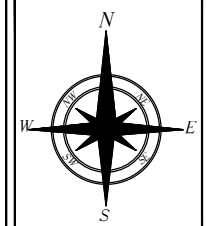
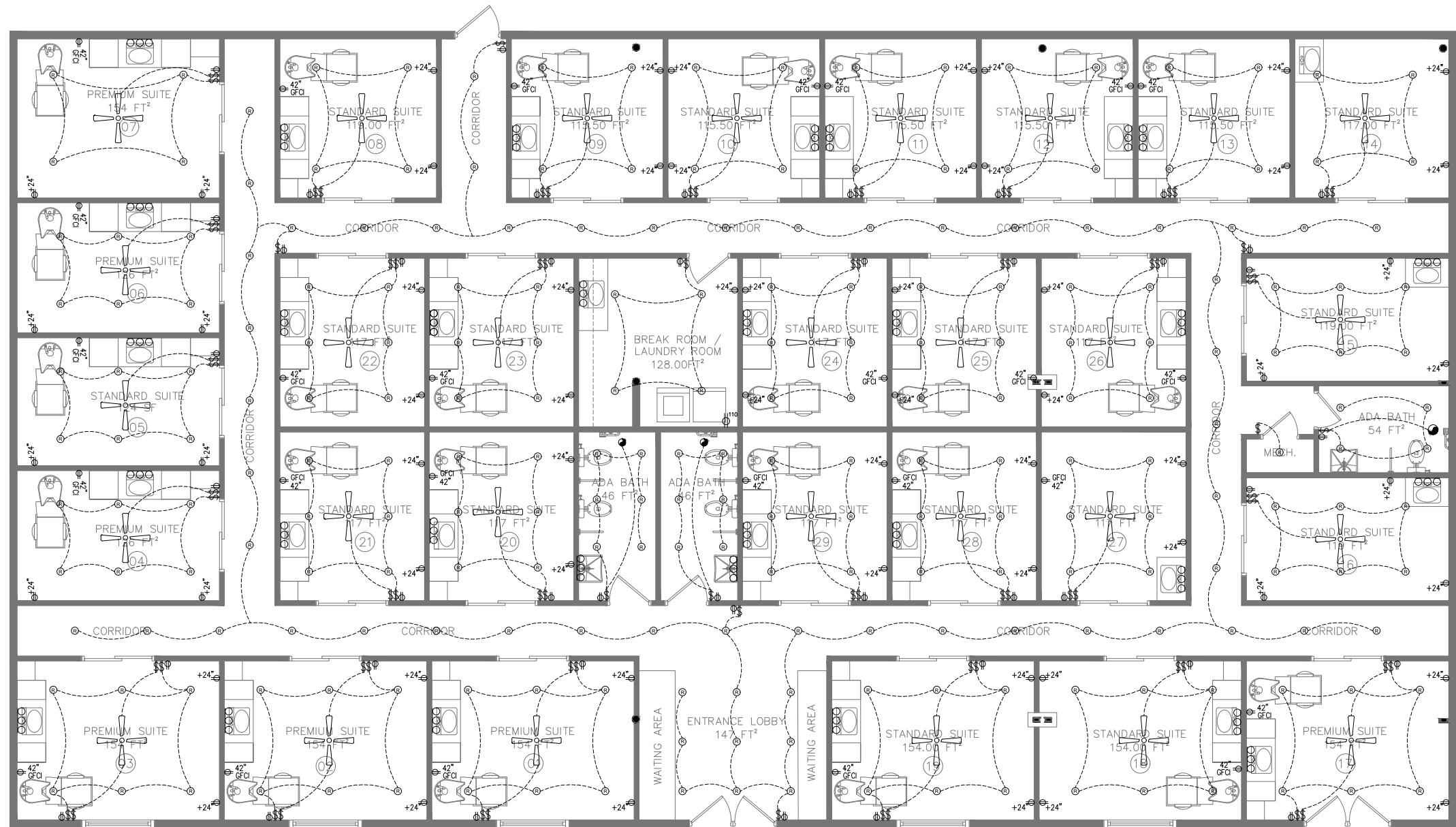
PREPARED BY-

SHEET TITLE-	Electrical Notes & Legend
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Project No:	xxx
Drawn By:	RB
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Approved By:	RB

Scale:	AS SHOWN
Sheet No:	01 of 01
Paper Size:	ARCHD (12"x24")





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PREPARED BY-

Electrical Plan

SHEET TITLE-

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ELECTRICAL PLAN



Plumbing Notes

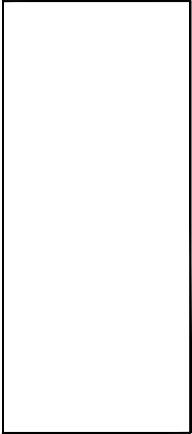
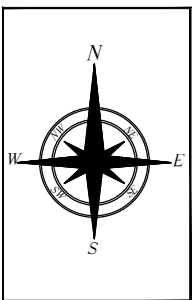
General Requirements

- Plumbing Fixtures (water closets) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of CalGreen Section 4.303.1.1 through 4.303.1.4.4.
- Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code and shall meet the applicable referenced standards.
- Per California CivilCode Article 1101.1 -1101.8,all building alterations, additions, orimprovements to a single-family residential property,existing plumbing fix1uresin the entire house that do not meet current flow rates will need to be upgraded.
- Existing Plumbing Fixtures Allowed to Remain:
 - Any toilet manufactured to useless than 1.6 gallons of water per flush o Any urinal manufactured to use less than 1 gallon of water per flush
 - Any showerhead manufactured to have a flow capacity of less than 2.5 gallons of watermin
 - o Anyinterior faucet that emits less than 2.2 gallons of waterm in.

New Plumbing Fixture Requirements:

- Toilets: 1.28 gallons per flush
- Showerheads: 1.8 gallons per minute at 80 psi o Residential Lavatory Faucets:
 - Maximum Flow Rate s: 1.2 gpm @ 60 psi
 - Minimum Flow Rate ;:, 0.8 gpm @ 20 psi
- Kitchen Faucets:1.8 gallons per minute at 60 psi
- All new domestic hot water piping shall be insulated per CPC 609.11.1. Location Soecific
- Water Closets
- Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets.
- On a horizontal branch or drain, a 3-inch pipe can only accommodate up to 3 water closets. Additional water closets shall require a minimum 4-inch pipe. (CPC Table 703.2)
- All new water closets shall have a minimum 30" wide clear space and 24 inches in front of the water closet. (CPC 402.5 and California Health & Safety Code and CBC 2904)
- Water-resistant gypsum backing board installed in accordance per manufacturer's recommendations shall be used in water closet compartment walls as a base for tile (CBC 2509.2)
 - o Where a water closet (or other plumbing fixtures) comes into contact with the wall or floor, the joint shall be caulked and sealed to be watertight. (CPC 402.2)
- Shower & Tubs
- Showerdheads shall be certified to the performance criteria of U.S. EPA WaterSense Specification for Showerheads.
- A hand-held shower shall be considered a showerhead.
- When a shower is served by more than one showerhead, the combined flow rate of all the showerheads andor other shower outlets controlled by a single valve shall not exceed 1.8 gmp at 80 psi,or the shower shall be designed to allow only one shower outlet to be in operation at a time.
- Shower and tub-shower control valves shall be pressure balance,thermostatic, or combination of pressure balancethermostatic mixing valves. Handle position stops shall be provided on such valves and shall be adjusted per the manufacturer's instructions to deliver a maximum mixed water setting of 120 degrees F. (CPC 418.0)
- Shower drain & trap must be 2 inches minimum. (CPC Table 7-3)
- Shower compartments,regardless of shape,shall have a minimuminterior floor area of 1,024 sq. inches,and also be capable of encompassing a 30" diameter circle. (CPC 410.4)
- Bathtubshower compartments shall have nonabsorbent surface extending 72" above the drain per CRC R307.2
- Water-resistant gypsum backing board shall not be used where there will be direct exposure to water, or in areas subject to continuous high humidity.Wall tiles at bath-tub surrounding walls and showers shall be installed over cementitious backing.
- Shower doors shall open to provide a minimum of 22 inches unobstructed Egress opening per CPC 408.5
- Doors and panels of showers and bathtub enclosures, as well as windows at adjacent wall opening within 60" above a standing surface and drain inlet shall be fully tempered, laminated safety glass or approved plastic,per CBC 2406.3 & 2406.4.
- Safety glazing shall also be provided at hazardouslocations (within 24" of a doorframe).

PLUMBING LEGEND	
	WATER SUPPLY
	WASTE WATER SUPPLY
	HOT WATER SUPPLY
	TOILET WATER SUPPLY
MH	MAIN HOLE (2'x2')
GT	GALI TRAP (1'x1')
DUCT DUCT	PIPE DUCT
6" x 6" C.I. Grating	C.I GRATING (6"x6")
SEPTIC TANK BATTERY	SEPTIC TANK BATTERY
PVC PIPE Ø 6"	MAIN SUPPLY LINE
PVC PIPE Ø 4"	CONNECTION SUPPLY LINE
VB	VACUUM BREAKER
BH	BORE HOLE



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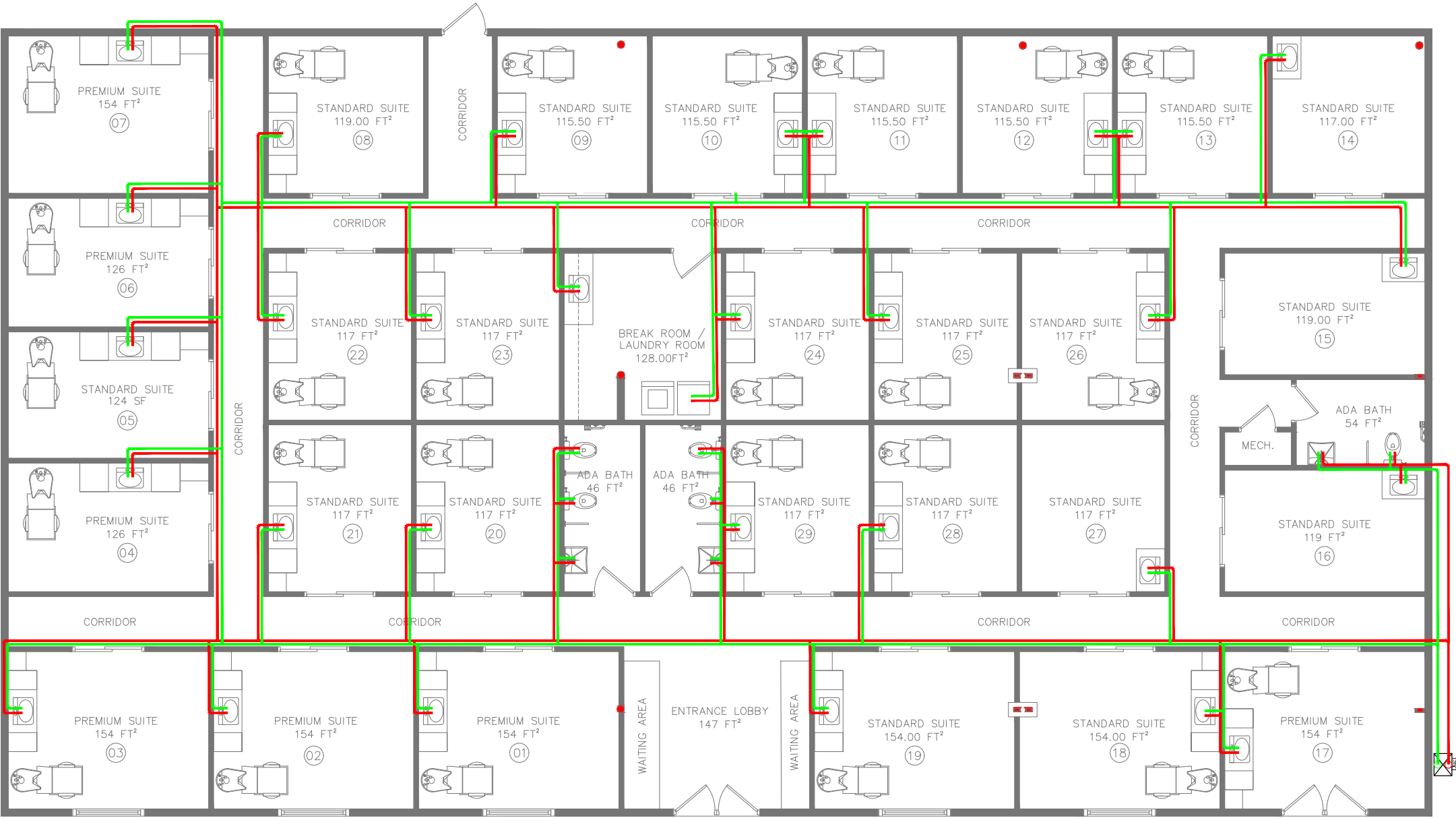
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Plumbing Notes
& Legend

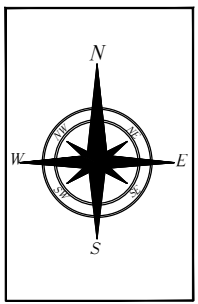
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PLUMBING PLAN



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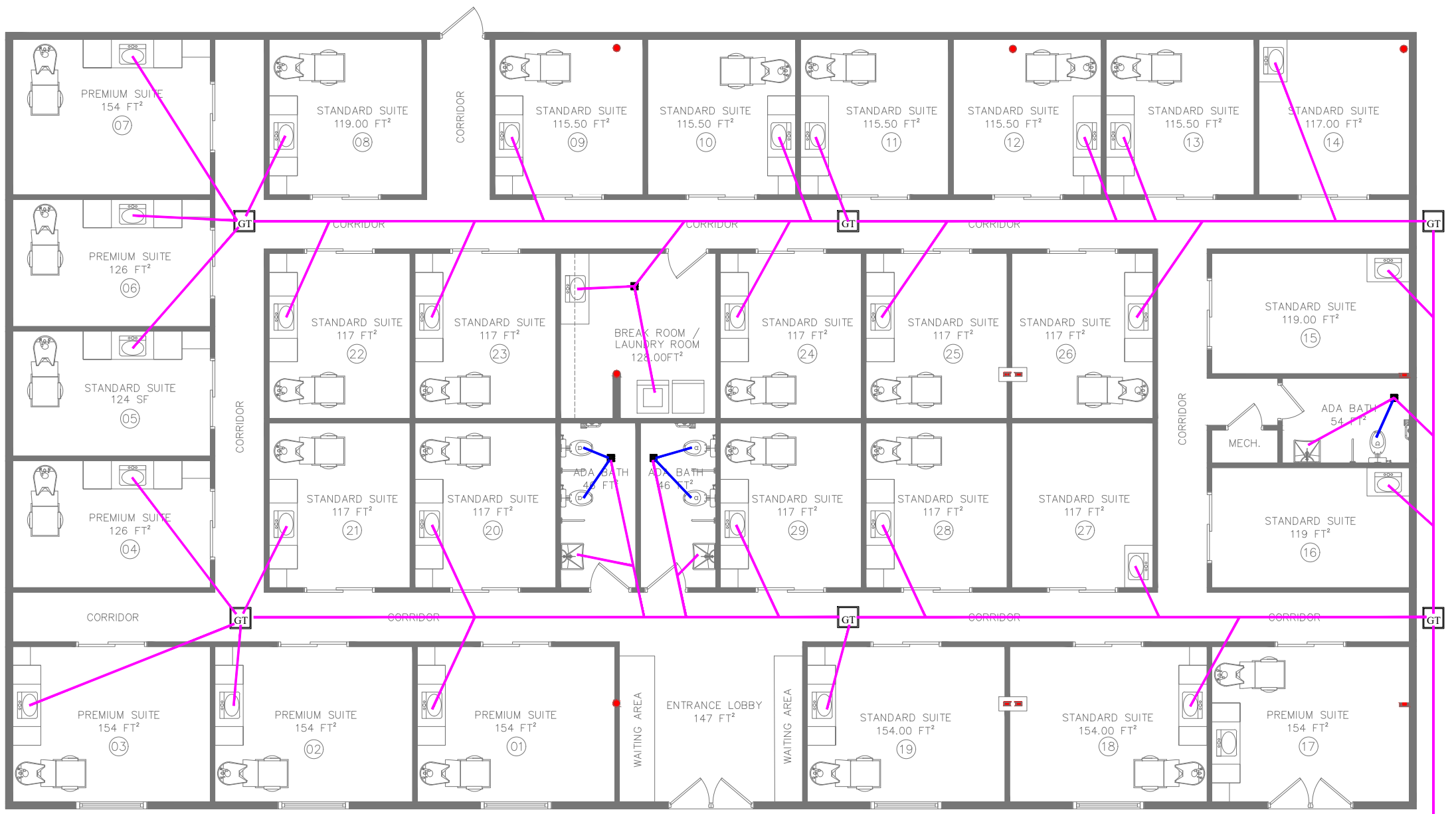
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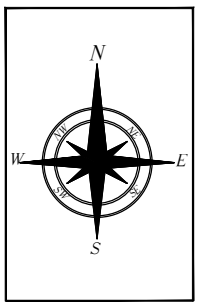
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PLUMBING PLAN



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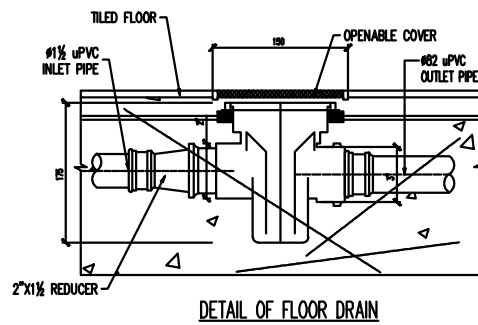
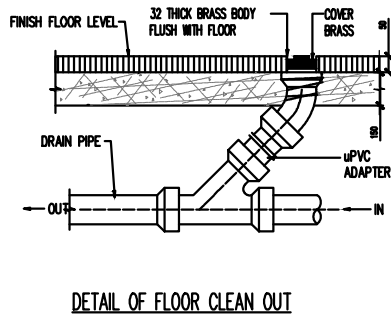
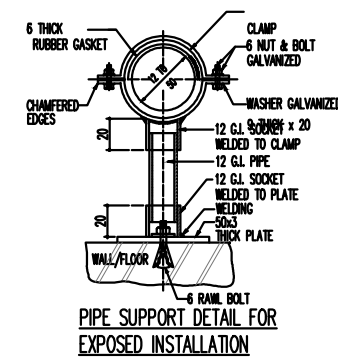
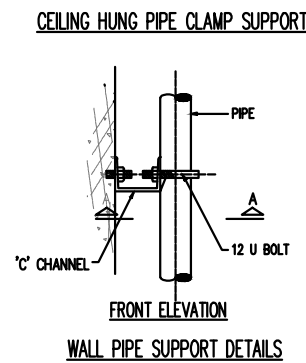
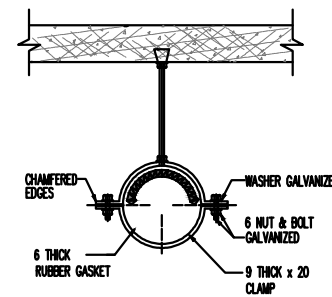
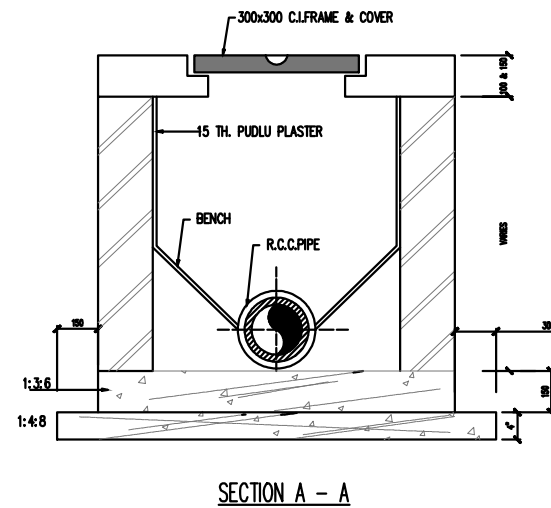
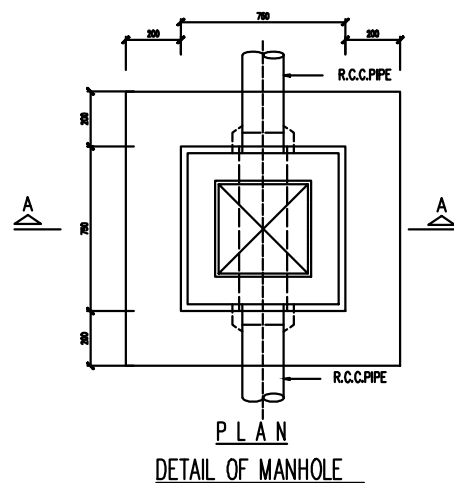
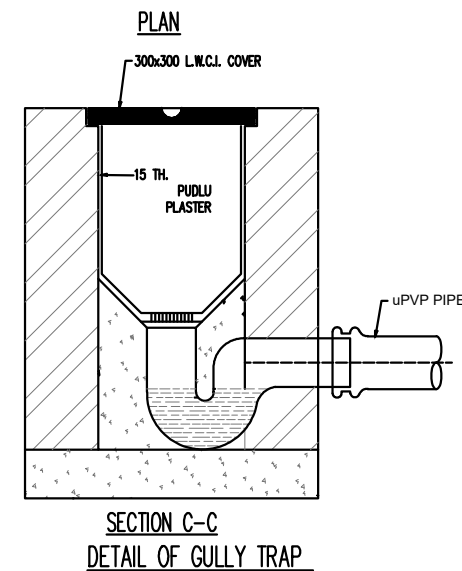
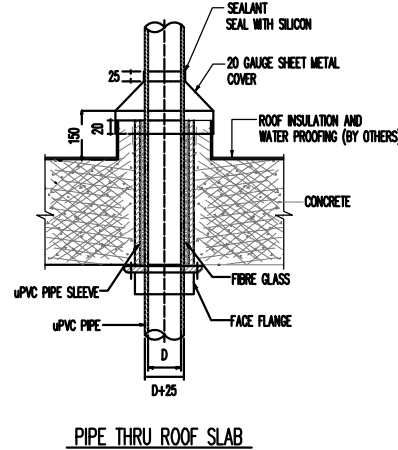
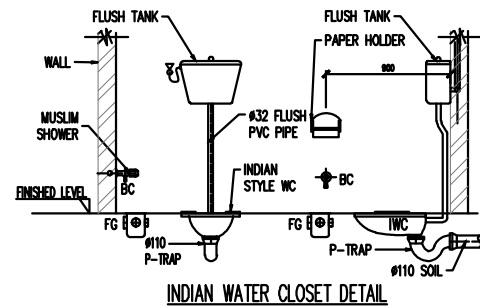
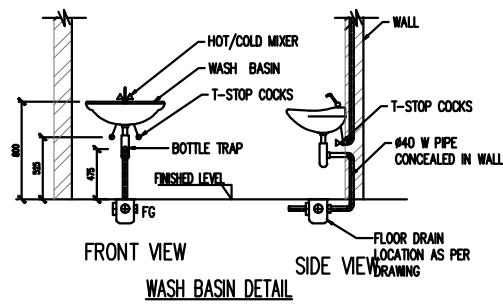
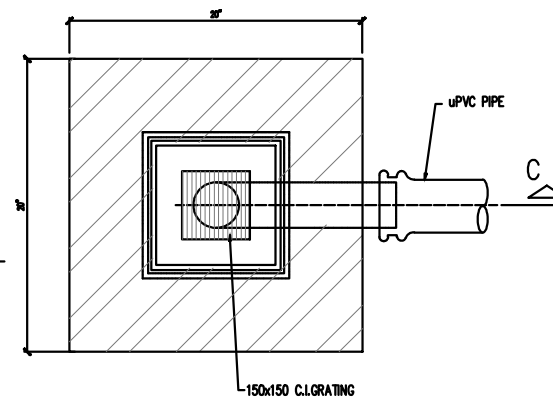
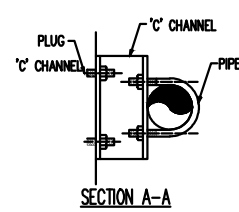
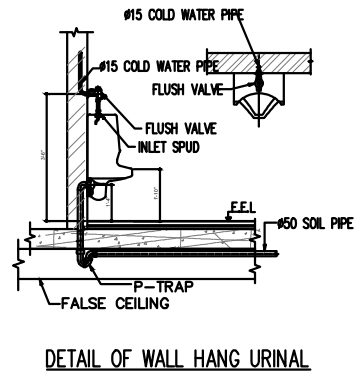
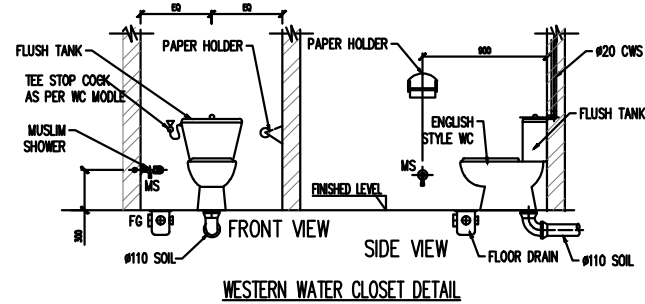
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SHEET TITLE-
**Plumbing Plan
(Waste Line)**

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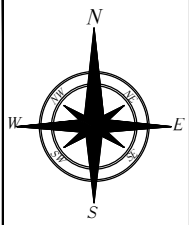
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PUMPS SCHEDULE												
SNo	SERVICE	LOCATION	STATUS	TYPE	FLUID	CAPACITY	HEAD	MOTOR				REMARKS
						US GPM	FT	KW	V	PH	Hz	
1	TRANSFER PUMP	GROUND FLOOR	1 DUTY	IN-LINE CENTRIFUGAL	WATER	80	50	1.0	400	3	50	Pump shall be complete with electric motor, base plate and all accessories

NOTE : CONTRACTOR SHOULD CALCULATE ACTUAL HEAD FOR PUMP AND APPROVE FROM ENGINEER



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