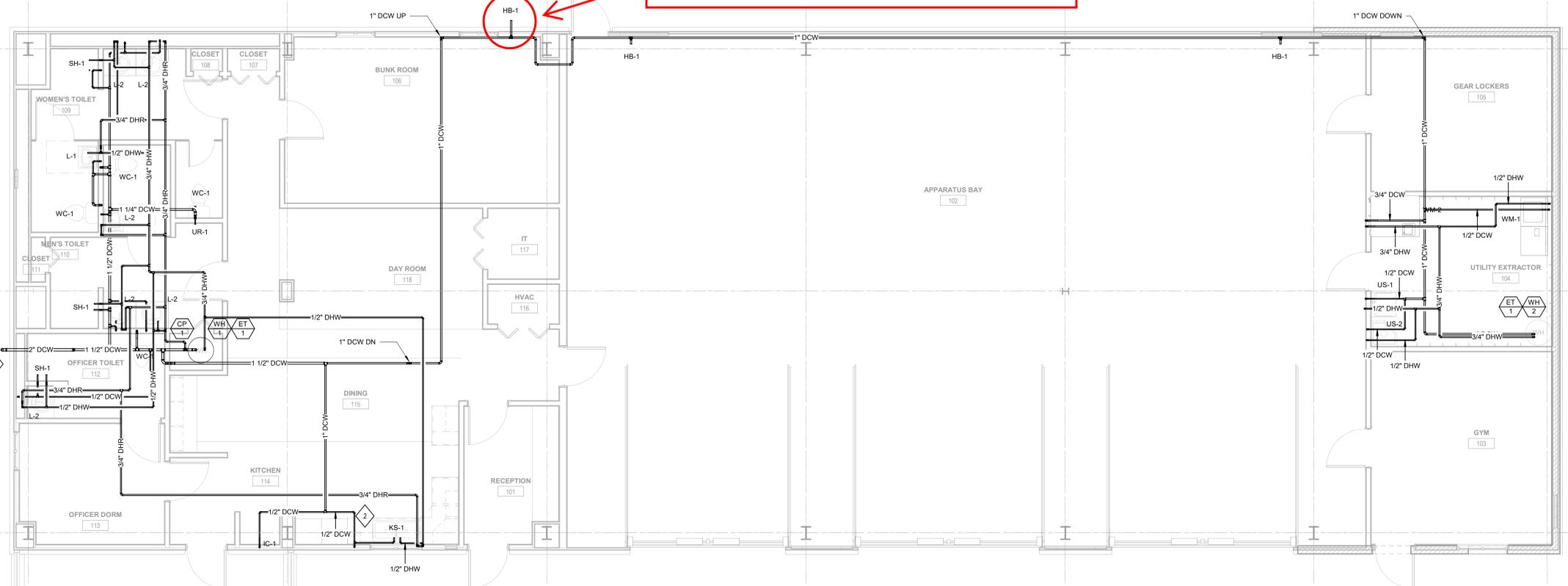
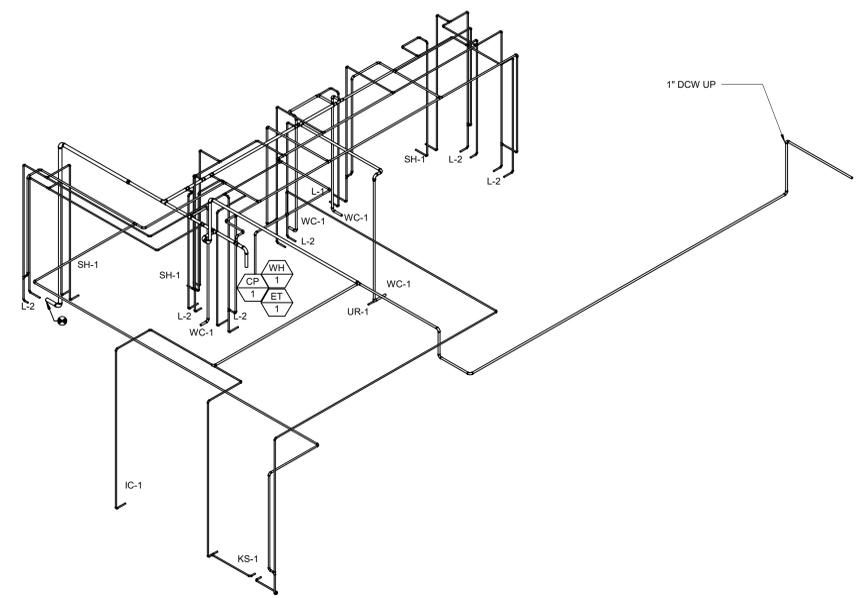


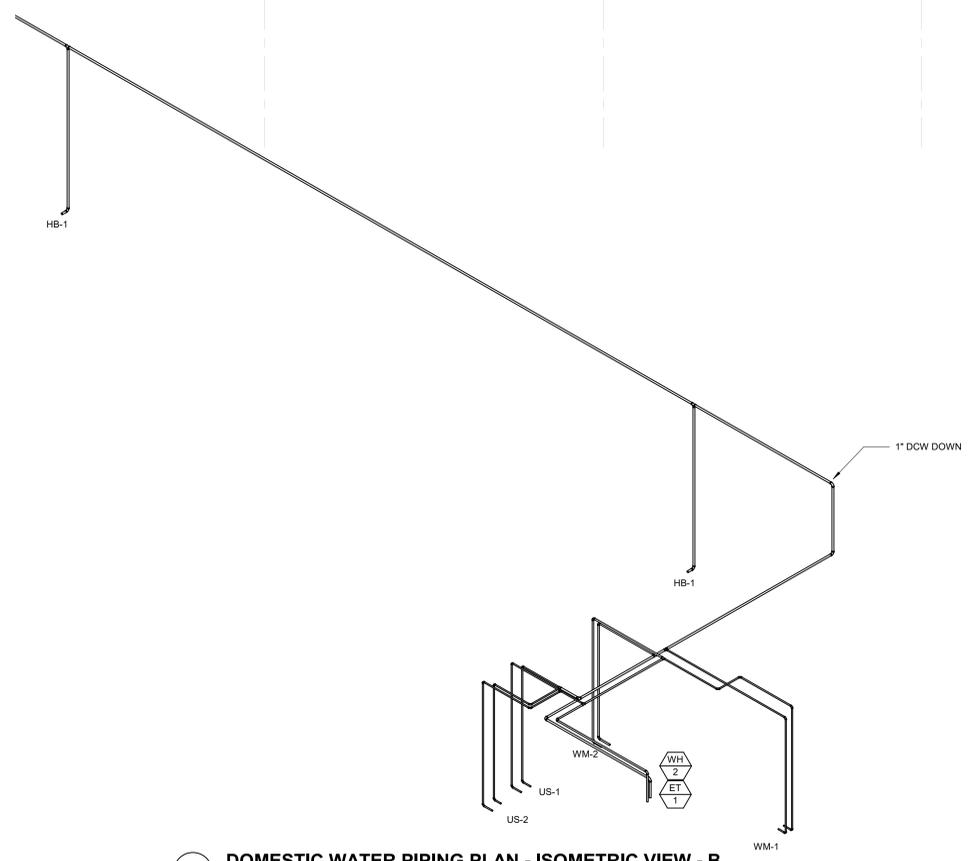
Hose bibb don't have water service.



1 DOMESTIC WATER PIPING PLAN - NEW
SCALE: 1/4" = 1'-0"



2 DOMESTIC WATER PIPING PLAN - ISOMETRIC VIEW - A
SCALE: NOT TO SCALE



3 DOMESTIC WATER PIPING PLAN - ISOMETRIC VIEW - B
SCALE:

GENERAL NOTES

1. DUE TO THE CEILING SPACE LIMITATIONS, IT IS IMPERATIVE THAT ALL DUCTWORK, PIPING, LIGHTING AND EQUIPMENT INSTALLATION TO BE COORDINATED AMONG ALL TRADES PRIOR TO THE INSTALLATION OF ANY UTILITIES.
2. CONTRACTOR TO COORDINATE WITH ALL TRADES TO ENSURE ADEQUATE ACCESS IS PROVIDED TO PROPERLY MAINTAIN ALL CONTROL DAMPERS, SMOKE DETECTORS AND SIMILAR ABOVE CEILING EQUIPMENT.
3. FOR CLARITY, NOT ALL PIPING AND PIPING RISERS/DROPS ARE SHOWN. CONTRACTOR TO PROVIDE AT NO ADDITIONAL COST TO THE OWNER ALL DUCT OFFSETS, BENDS AND TRANSITIONS REQUIRED FOR A COMPLETE FUNCTIONAL SYSTEM.
4. ALL NEW PIPING SHALL BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR CONNECTED TO EQUIPMENT AND/OR PLUMBING.
5. REFER TO PLUMBING DETAILS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION AND PIPE SIZES.
6. ROUTE ALL PIPING ABOVE CEILING.

SHEET KEYNOTES

1. 2" DOMESTIC COLD WATER LINE TO EXISTING MAIN. CONTRACTOR TO COORDINATE DCW LINE EXACT LOCATION IN FIELD AND WITH THE CIVIL DRAWINGS BEFORE STARTING ANY WORK.
2. PROVIDE DOMESTIC COLD WATER TO DISHWASHER. COORDINATE LINE SIZE PER MANUFACTURERS REQUIREMENTS.

Daniel Cesar, State of Florida, Professional Engineer, License No. 68670.

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100% CD SUBMITTAL - BID SET

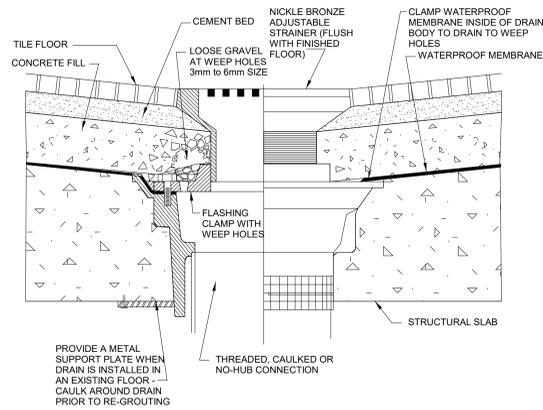
CITY OF MASCOTTE
FIRE STATION NO. 91 REMODEL & ADDITION
DOMESTIC WATER PLAN - NEW
764 ALBROOK STREET, MASCOTTE, FL 34753
21017A

P401



John P. Adams, AIA
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NOTE:
1. SLOPE MEMBRANE LINER 2% TO DRAIN.

7 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE

SANITARY DEMAND - LIVING SPACES
BASED ON FBC 7TH EDITION (2020) - PLUMBING, TABLE 709.1

DESCRIPTION	#	DFU EA	DFU TOTAL
FLOOR DRAINS	1.0	2.0	2.0
KITCHEN SINK, DOMESTIC W/ FOOD WASTE DISPOSER AND /OR DISHWASHER	1.0	2.0	2.0
SHOWER (5.7 GPM OR LESS)	2.0	2.0	4.0
SINK	7.0	2.0	14.0
URINAL	1.0	4.0	4.0
WATER CLOSET, PRIVATE (1.6 GPF)	4.0	3.0	12.0
TOTAL	16.0	-	38.0

NOTES:
FLORIDA BUILDING CODE 7TH EDITION (2020) - PLUMBING, TABLE 710.1(1) SAN MAIN = 4.0
MAXIMUM ALLOWABLE BUILDING DRAIN SIZE @ 1/8" ; 1/4" ; 1/2" PER FT.

SANITARY DEMAND - APPARATUS BAY
BASED ON FBC 7TH EDITION (2020) - PLUMBING, TABLE 709.1

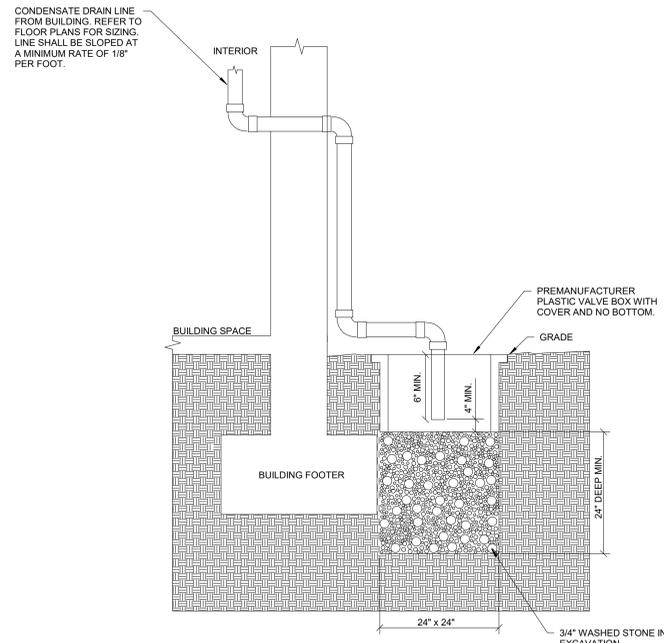
DESCRIPTION	#	DFU EA	DFU TOTAL
AUTOMATIC CLOTHES WASHER, COMMERCIAL	2.0	3.0	6.0
AUTOMATIC CLOTHES WASHER, RESIDENTIAL	1.0	2.0	2.0
FLOOR DRAINS	5.0	2.0	10.0
FLOOR SINKS	1.0	0.5	0.5
SERVICE SINK	1.0	2.0	2.0
TOTAL	10.0	-	20.5

NOTES:
FLORIDA BUILDING CODE 7TH EDITION (2020) - PLUMBING, TABLE 710.1(1) SAN MAIN = 3.0
MAXIMUM ALLOWABLE BUILDING DRAIN SIZE @ 1/8" ; 1/4" ; 1/2" PER FT.

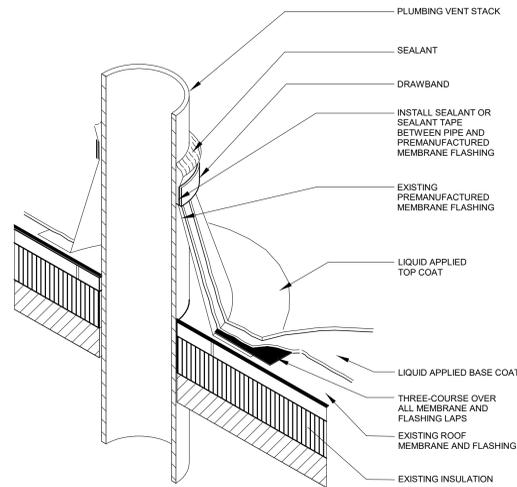
DOMESTIC WATER DEMAND
PER TABLE E103.3(2), FBC 7TH EDITION (2020) - PLUMBING

FIXTURE, OCCUPANCY, SUPPLY CONTROL	QTY	NO					
		COLD (WSFU) EACH	TOTAL	HOT (WSFU) EACH	TOTAL		
BATHROOM GROUP (SINK-WC+SH), PRIVATE, FLUSH TANK	-	2.7	-	1.5	-	3.6	-
BATHROOM GROUP (SINK-WC+SH), PRIVATE, FLUSHMETER VALVE	-	6.0	-	3.0	-	8.0	-
BATHTUB, PRIVATE, FAUCET	-	1.0	-	1.0	-	1.4	-
BATHTUB, PUBLIC, FAUCET	-	3.0	-	3.0	-	4.0	-
BIDET, PRIVATE, FAUCET	-	1.5	-	1.5	-	2.0	-
COMBINATION FIXTURE (SINK+LAUNDRY TRAY), PRIVATE, FAUCET	-	2.25	-	2.25	-	3.0	-
DISWASHING MACHINE, PRIVATE, AUTOMATIC	1.0	-	-	1.4	1.4	1.4	1.4
DRINKING FOUNTAIN, OFFICES, 3/8" VALVE	-	0.25	-	-	-	0.25	-
KITCHEN SINK, PRIVATE, FAUCET	1.0	1.0	1.0	1.0	1.0	1.4	1.4
KITCHEN SINK, HOTEL/RESTAURANT, FAUCET	-	3.0	-	3.0	-	4.0	-
LAUNDRY TRAY (1 TO 3), PRIVATE, FAUCET	-	1.0	-	1.0	-	1.4	-
LAVATORY, PRIVATE, FAUCET	7.0	0.5	3.5	0.5	3.5	0.7	4.9
LAVATORY, PUBLIC, FAUCET	-	1.5	-	1.5	-	2.0	-
SERVICE SINK, OFFICES, FAUCET	2.0	2.25	4.50	2.25	4.50	3.0	6.0
SHOWER HEAD, PUBLIC, MIXING VALVE	-	3.0	-	3.0	-	4.0	-
SHOWER HEAD, PRIVATE, MIXING VALVE	3.0	1.0	3.0	1.0	3.0	1.4	4.2
URINAL, PUBLIC, 1" FLUSHOMETER	1.0	10.0	10.0	-	-	10.0	10.0
URINAL, PRIVATE, 3/4" FLUSHOMETER	-	5.0	-	-	-	5.0	-
URINAL, PUBLIC, FLUSH TANK	-	3.0	-	-	-	3.0	-
WASHING MACHINE(8 lb), PRIVATE, AUTOMATIC	1.0	1.0	1.0	1.0	1.0	1.4	1.4
WASHING MACHINE(8 lb), PUBLIC, AUTOMATIC	-	2.25	-	2.25	-	3.0	-
WASHING MACHINE(15 lb), PRIVATE, AUTOMATIC	1.0	3.0	3.0	3.0	3.0	4.0	4.0
WATER CLOSET, PRIVATE, FLUSHMETER VALVE	-	6.0	-	-	-	6.0	-
WATER CLOSET, PRIVATE, FLUSH TANK	3.0	2.2	6.6	-	-	2.2	6.6
WATER CLOSET, PUBLIC, FLUSHMETER VALVE	-	10.0	-	-	-	10.0	-
WATER CLOSET, PUBLIC, FLUSH TANK	-	5.0	-	-	-	5.0	-
WATER CLOSET, PUBLIC OR PRIVATE, FLUSHMETER TANK	-	2.0	-	-	-	2.0	-
TOTAL	-	-	32.6	-	17.4	-	39.9

NOTES:
VELOCITY 6FT / SEC MAX
DEMAND FLOW PER TABLE E103.3(3), FBC 7TH EDITION (2020) - PLUMBING
DCW DEMAND FLOW = **32.60 WSFU**
DHW DEMAND FLOW = **17.40 WSFU**
SERVICE LINE SIZE = **1.25 in**

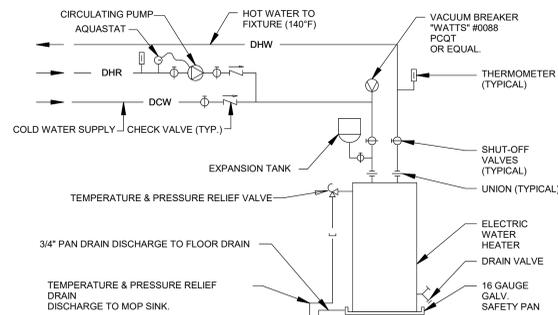


4 FRENCH DRAIN DETAIL
SCALE: NOT TO SCALE

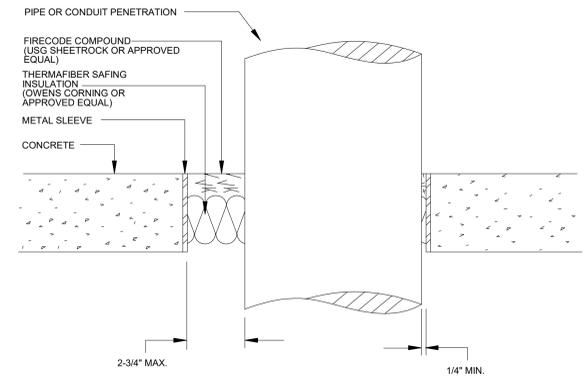


NOTES:
1. PRIMING OF THE SUBSTRATE MAY BE REQUIRED, FOLLOW SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.

5 PRE-FABRICATED VENT THROUGH ROOF DETAIL
SCALE: NOT TO SCALE

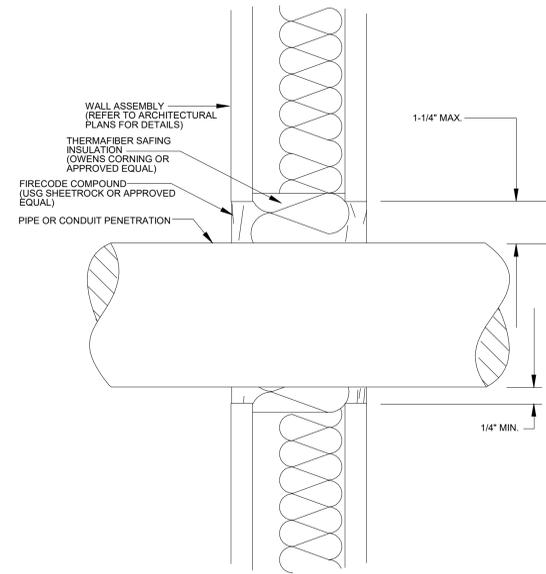


6 WATER HEATER CONNECTION DETAIL
SCALE: NOT TO SCALE



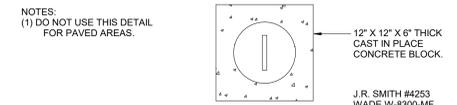
NOTES:
1. PENETRATION DETAIL IN ACCORDANCE WITH WALL ASSEMBLY U.L. SYSTEM NO. 449.

1 PIPE THRU FLOOR (WALL ASSEMBLY SYSTEM UL 449)
SCALE: NOT TO SCALE



NOTES:
1. PENETRATION DETAIL IN ACCORDANCE WITH WALL ASSEMBLY U.L. SYSTEM NO. 605.

2 PIPE THRU EXTERIOR WALL (WALL ASSEMBLY SYSTEM 605)
SCALE: NOT TO SCALE



NOTES:
(1) DO NOT USE THIS DETAIL FOR PAVED AREAS.

3 CLEAN OUT DETAIL
SCALE: NOT TO SCALE

Daniel Cesar, State of Florida, Professional Engineer, License No. 68670.

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CITY OF MASCOTTE
FIRE STATION NO. 91 REMODEL & ADDITION
PLUMBING DETAILS
764 ALBROOK STREET, MASCOTTE, FL 34753
210174

MARCH 02, 2022

P601

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STATE OF FLORIDA

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