



WEST PALM BEACH

Purchasing Department

**Addendum 4
ITB 16-17-104
November 29, 2016**

O & M Complex Bldg. #2 Restroom Renovations

Each recipient of this Addendum acknowledges all of the provisions set forth in the Invitation to Bid (ITB) and agrees to be bound by the terms thereof.

This addendum shall modify, clarify, change or add information and become part of the above referenced ITB.

This Addendum shall provide the following information:

- Revised plan sheets: Cover Sheet, M-1, and P-2

The following documents are included with this addendum:

- Addendum 4 ITB 16-17-104
- Cover & Index, Revised 11-28-16
- M-1, Revised 11-28-16
- P-1, Revised 11-28-16

All of the other information remains the same.

Proposers must acknowledge receipt of this Addendum 4 in the space provided below. This Addendum forms an integral part of the ITB documents and therefore must be executed. Failure to return this addendum with your bid submittal may be cause for disqualification.

Issued By: City of West Palm Beach
Procurement Division
November 29, 2016

Signed By: 
Nathaniel P. Rubel
Procurement Supervisor

PROPOSER: _____

Signed By: _____

Print Name: _____

Title: _____

Date: _____

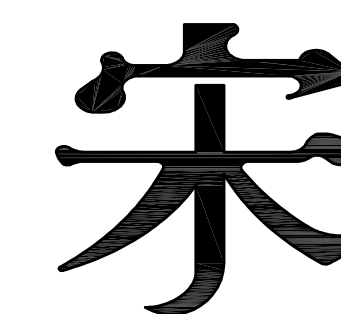
End of Addendum 4

CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX BLDG #2 RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 33401

S + A Project No. 15031



Song + Associates

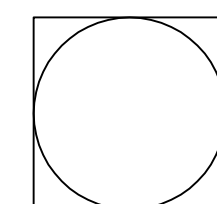
Architecture • Planning • Interior Design

100% CONSTRUCTION DOCUMENTS

JUNE 3rd, 2016

Seal :

SET NO.



Name : PERRY DOUGLASS
License # : AR97112

PROJECT SUMMARY

BUILDING AREA	972 GSF
OCCUPANCY TYPE	BUSINESS GROUP B
CONSTRUCTION TYPE	TYPE V B
AUTOMATIC FIRE SPRINKLER SYSTEM	FULLY SPRINKLERED

APPLICABLE CODES

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE, AND COMPLY WITH FBC 2010

THE DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS. SHOULD THERE BE A CONFLICT BETWEEN ANY CODE REQUIREMENTS, COMPLY WITH THE REQUIREMENT THAT PROVIDES THE GREATEST DEGREE OF LIFE SAFETY.

- A. FBC (FLORIDA BUILDING CODE), 2014
- FBC--MECHANICAL
 - NEC (NATIONAL ELECTRICAL CODE) 2008; FBC CHAPTER 27
 - FBC--ACCESSIBILITY
 - FBC REFERENCES--CHAPTER 35

- B. FLORIDA FIRE PREVENTION CODE 5th EDITION , INCLUDING
- NFPA 1-2012
 - NFPA 101-2012

- C. UL FIRE RESISTANCE DIRECTORY 2015

- D. FEDERAL REQUIREMENTS INCLUDING:
- OSHA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, US DEPARTMENT OF LABOR, CFR 29 AS REVISED JULY 1995

- E. CONSTRUCTION, ALTERATION AND DEMOLITION SHALL COMPLY WITH NFPA 241.

SHEET NUMBER	SHEET TITLE	DRAWING REVISION NUMBER	DRAWING REVISION DATE
ARCHITECTURAL			
	COVER & INDEX	1,2,3	11.28.16
A-01	DEMOLITION FLOOR PLAN & RCP		
A-02	NEW FLOOR PLAN & RCP	1,2	09.15.16
A-03	FINISH & DOOR SCHEDULE,DETAILS		
A-04	INTERIOR ELEVATION & TYPICAL MOUNTING HEIGHTS	1,2	09.15.16
STRUCTURAL			
S-01	NEW SLAB LAYOUT	1	09.15.16
MECHANICAL			
M-01	MECHANICAL FLOOR PLAN	1,2	11.28.16
M-02	MECHANICAL SCHEDULE, NOTES & DETAILS	1	07.28.16
PLUMBING			
P-01	PLUMBING SANITARY & WATER FLOOR PLAN	1	09.15.16
P-02	PLUMBING SCHEDULE, NOTES & DETAILS	1	11.28.16
ELECTRICAL			
E-01	NOTES, DETAILS & RISER DIAGRAMS	1	07.28.16
E-02	ELECTRICAL FLOOR PLAN & PANEL SCHEDULE	1	09.15.16
FIRE PROTECTION			
FP-01	FIRE PROTECTION	1	09.15.16

PROJECT SCOPE

THE SCOPE OF THIS PROJECT INCLUDES REMODELING APPROXIMATELY 700SF OF THE MEN'S AND WOMEN'S RESTROOMS AT THE CITY OF WEST PALM BEACH OPERATIONS AND MAINTENANCE COMPLEX BUILDING -2.

THE WORK TO BE COMPLETED WILL ENTAIL THE FOLLOWING:

- | | |
|---|--|
| DEMOLITION: | NEW WORK: |
| <ul style="list-style-type: none"> DEMOLITION OF DRYWALL PARTITIONS AND FINISHES DEMOLITION OF DOORS DEMOLITION OF EXISTING LOCKERS DEMOLITION OF EXISTING FLOOR AND WALL TILE DEMOLITION OF EXISTING CEILINGS REMOVAL OF ALL TOILET PARTITIONS REMOVAL OF ALL PLUMBING AND ELECTRICAL FIXTURES REMOVAL OF HVAC AND EQUIPMENT | <ul style="list-style-type: none"> NEW DRYWALL PARTITIONS AND CEILINGS NEW DOORS NEW LOCKERS NEW FLOOR, WALL AND CEILING FINISHES NEW TOILET PARTITIONS NEW PLUMBING AND ELECTRICAL FINISHES NEW HVAC AND EQUIPMENT |

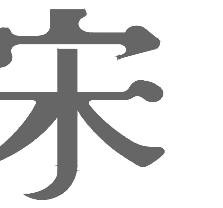
CONSULTANTS

STRUCTURAL :
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513 U.S. HIGHWAY 1, SUITE 109
NORTH PALM BEACH, FL 33408

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Seal :

Name : PERRY DOUGLASS

License # : AR-97112

Consultants :

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CITY OF WEST
PALM BEACH,
FLORIDA

O & M COMPLEX
BLDG #2
RESTROOMS
RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 3340

Key Plan:

Revisions :

NO.	PERMIT COMMENTS
1	9-15-16
2	ADDENDUM
3	11-28-16

Date : 06/03/14

S+A Project No : 1503

Owner :

Drawn By : BI

Checked By : BI

Phase :

100% CONSTRUCTION
DOCUMENTS

Sheet Title :

MECHANICAL
FLOOR PLAN

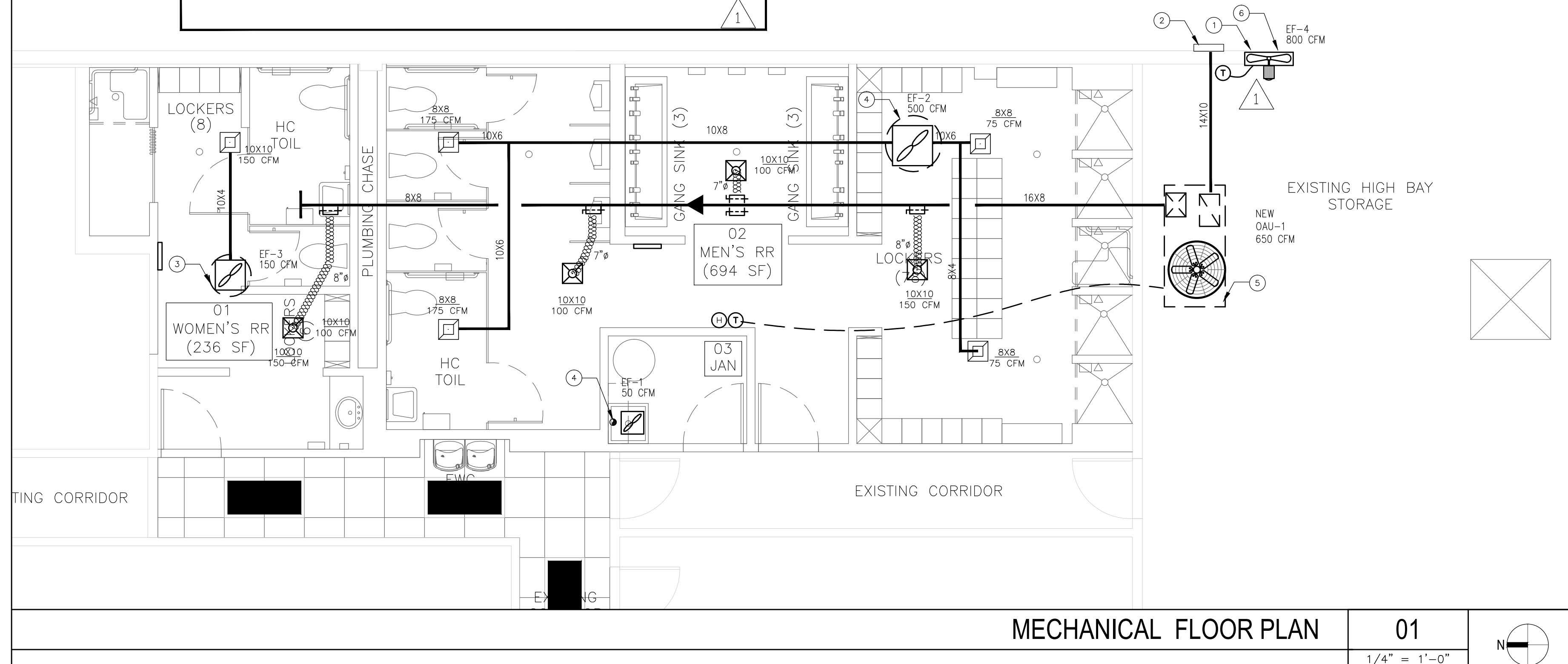
Sheet # :

M-1

DIRECTED BY OWNER. ITEMS THAT THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF LEGALLY.

MECHANICAL DRAWING KEYNOTES

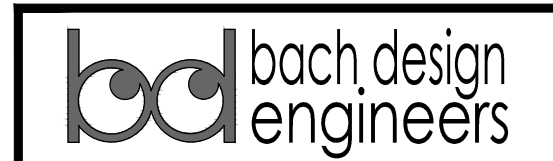
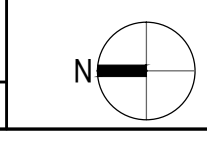
- ① REPLACE EXISTING FAN WITH NEW. PROVIDE T'STAT AND SET AT 105°F
- ② CONNECT NEW 10X14 DUCT TO NEW GREENHECK HURRICANE LOUVER MODEL ESD-635D.
- ③ RELOCATED EXHAUST FAN FROM EXISTING MEN'S LOCKER ROOM TO WOMEN. RE-BALANCE TO 150 CFM
- ④ INSTALL NEW EXHAUST FAN ON EXISTING CURB. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND MODIFY EXISTING CURB AS REQUIRED.
- ⑤ NEW 100% O/A UNIT TO REPLACE TWO EXISTING UNITS ON PLATFORM. CONTRACTOR TO REMOVE THE TWO EXISTING AC UNIT AND LEGALLY DISPOSED THEM. CONTRACTOR SHALL PATCH EXISTING WALL OPENING THAT ARE NOT USED AS REQUIRED.
- ⑥ REPLACE EXISTING LOUVER WITH GREENHECK HURRICANE LOUVER MODEL ESD-635D.



MECHANICAL FLOOR PLAN

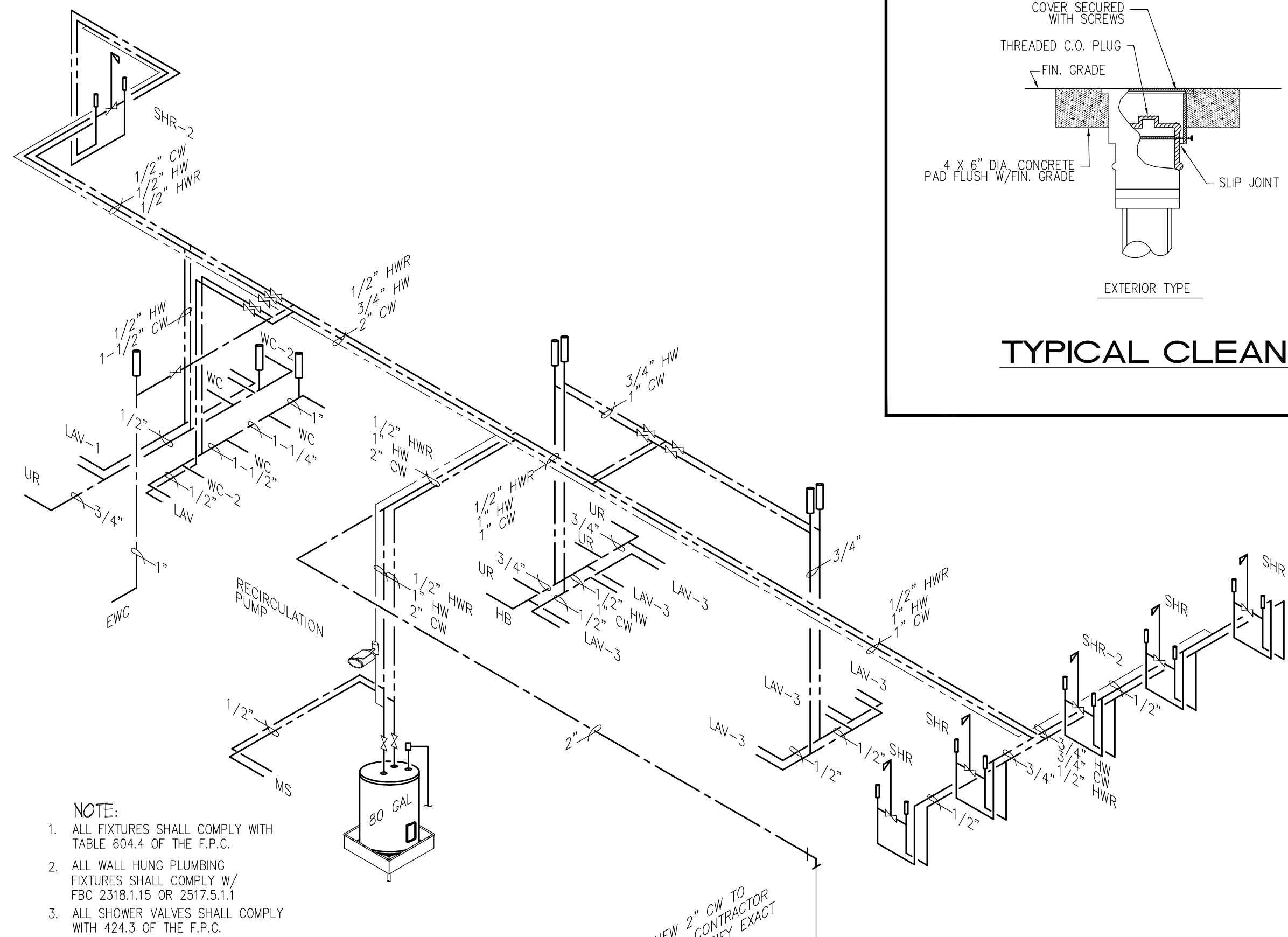
01

1/4" = 1'-0"



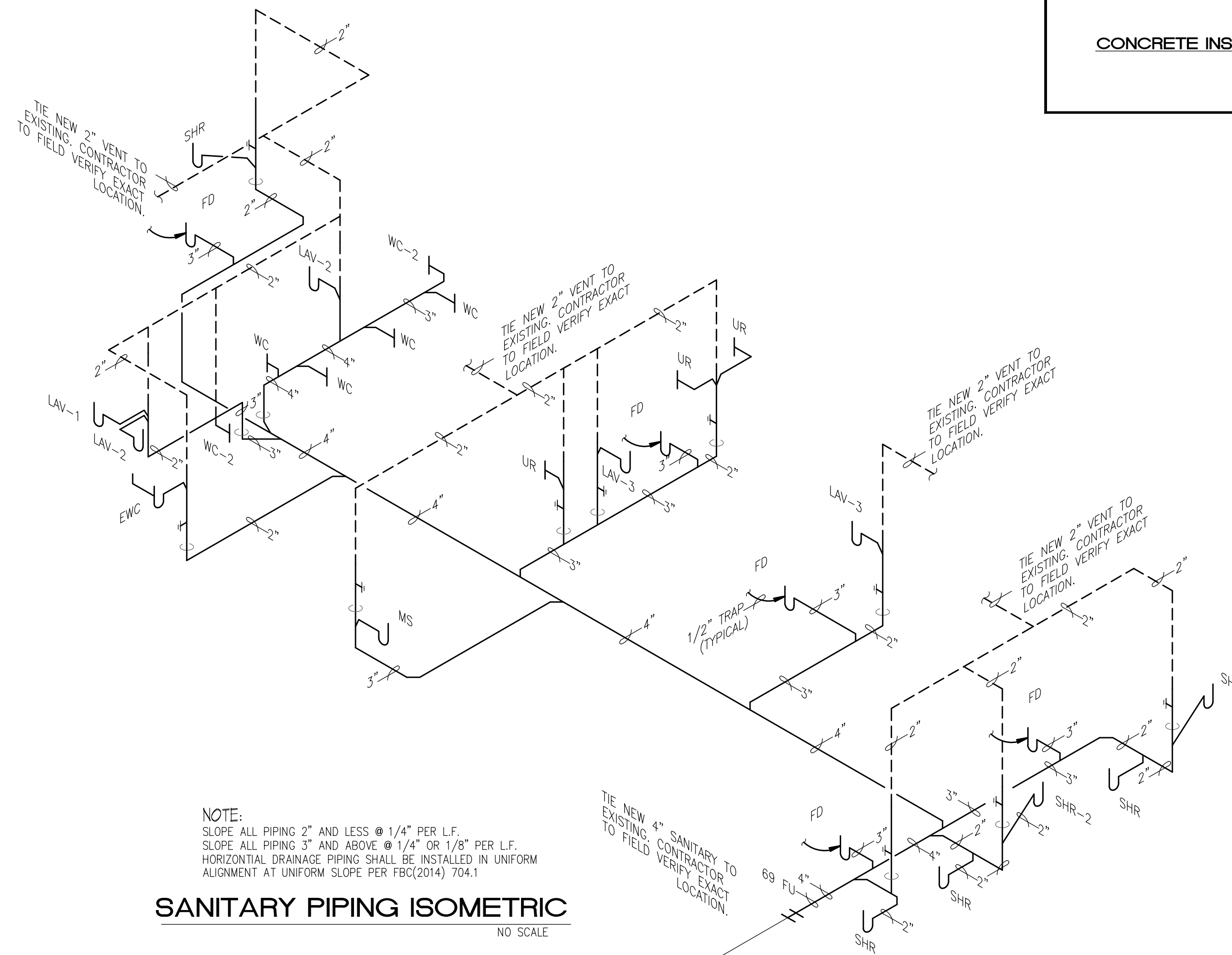
381 SE 10th Street, Pompano Beach, FL 33060
TEL:(954) 461-4314 Fax:(954) 782-2036
Info@bachengineers.com
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Viet Bach Nguyen, P.E. Date: _____
Florida License #69753



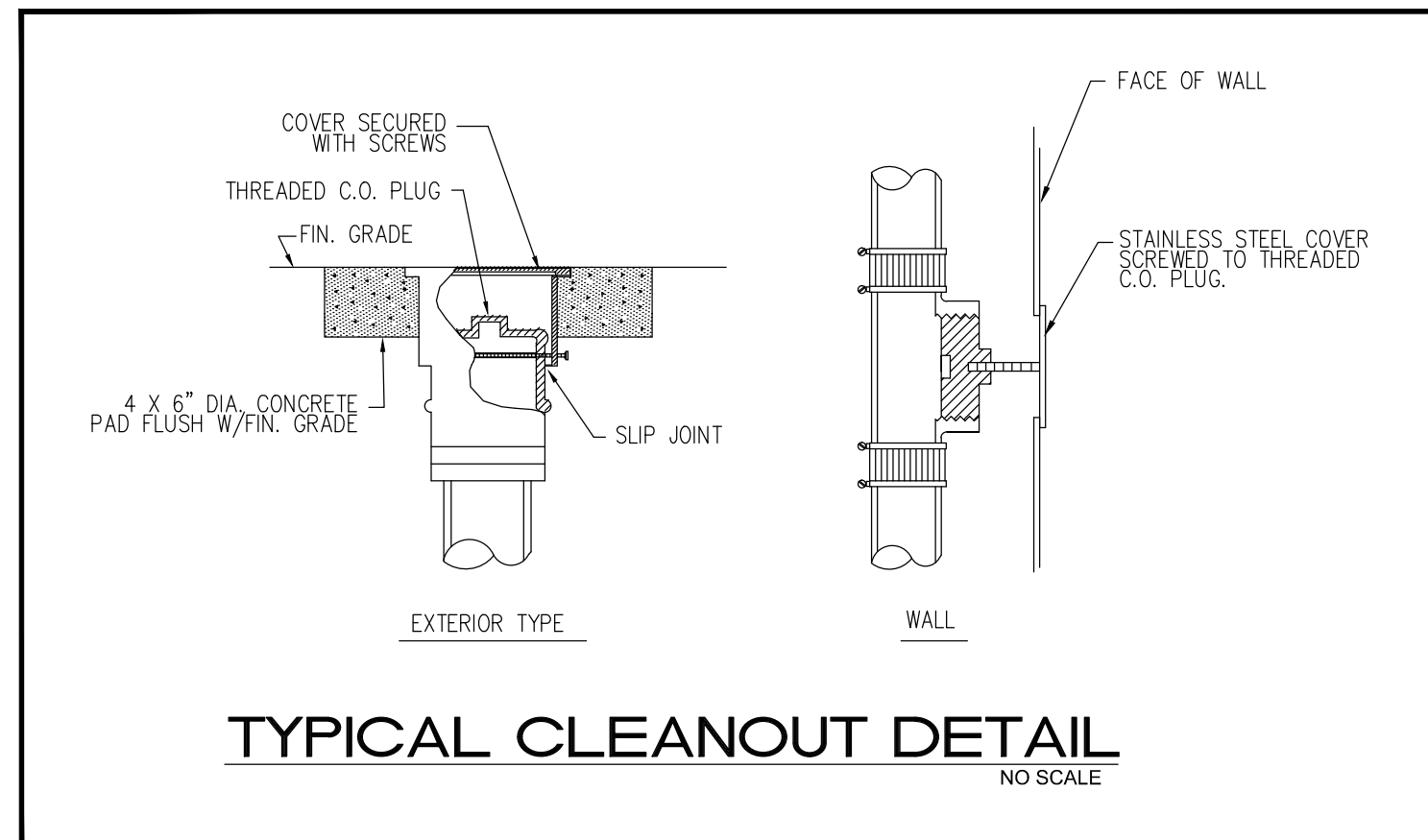
- NOTE:**
- ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF THE F.P.C.
 - ALL WALL HUNG PLUMBING FIXTURES SHALL COMPLY W/ FBC 2318.1.15 OR 2517.5.1.1
 - ALL SHOWER VALVES SHALL COMPLY WITH 424.3 OF THE F.P.C.

WATER PIPING ISOMETRIC
NO SCALE

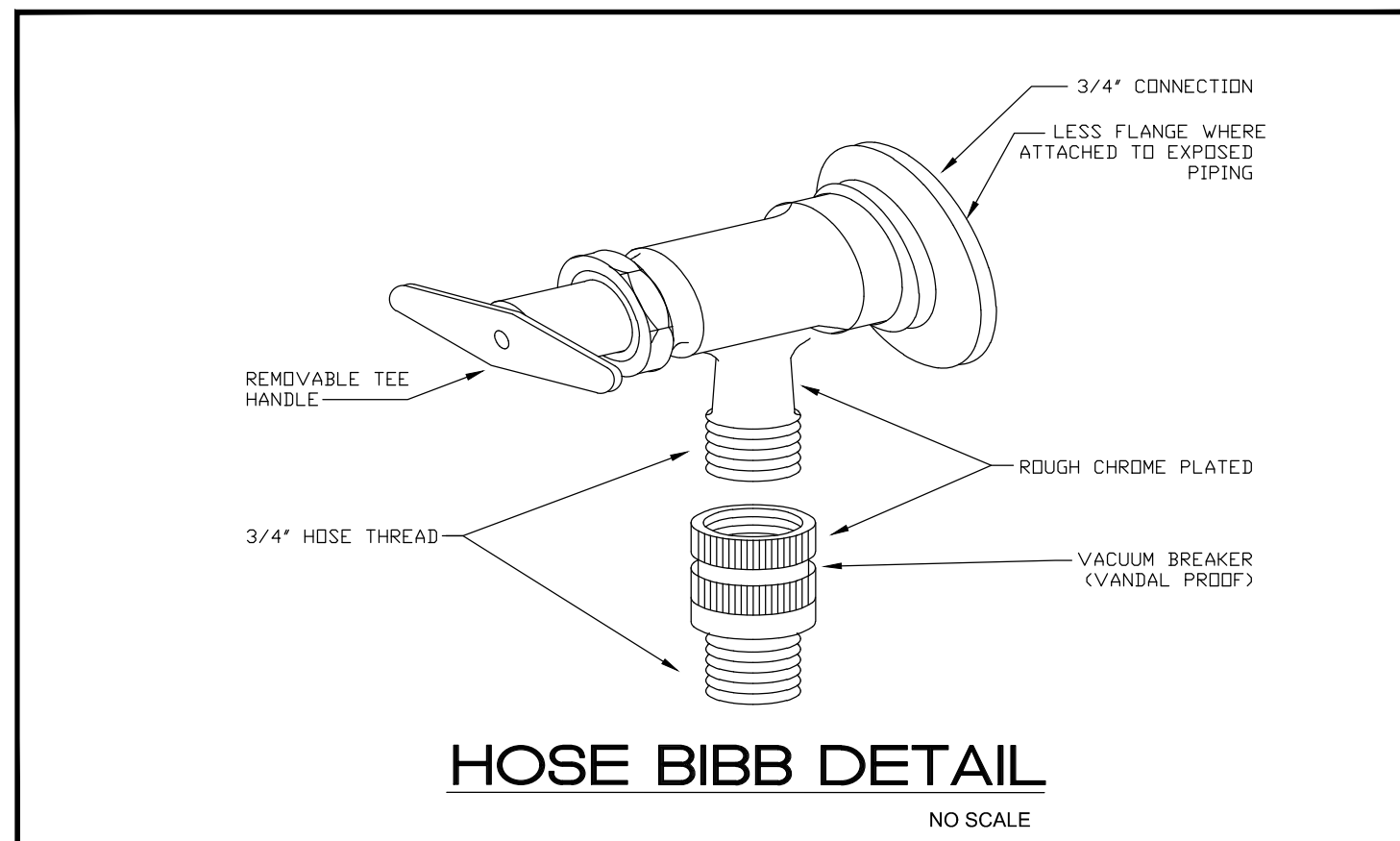


- NOTE:**
- SLOPE ALL PIPING 2" AND LESS @ 1/4" PER L.F.
SLOPE ALL PIPING 3" AND ABOVE @ 1/4" OR 1/8" PER L.F.
HORIZONTAL DRAINAGE PIPING SHALL BE INSTALLED IN UNIFORM ALIGNMENT AT UNIFORM SLOPE PER FBC(2014) 704.1

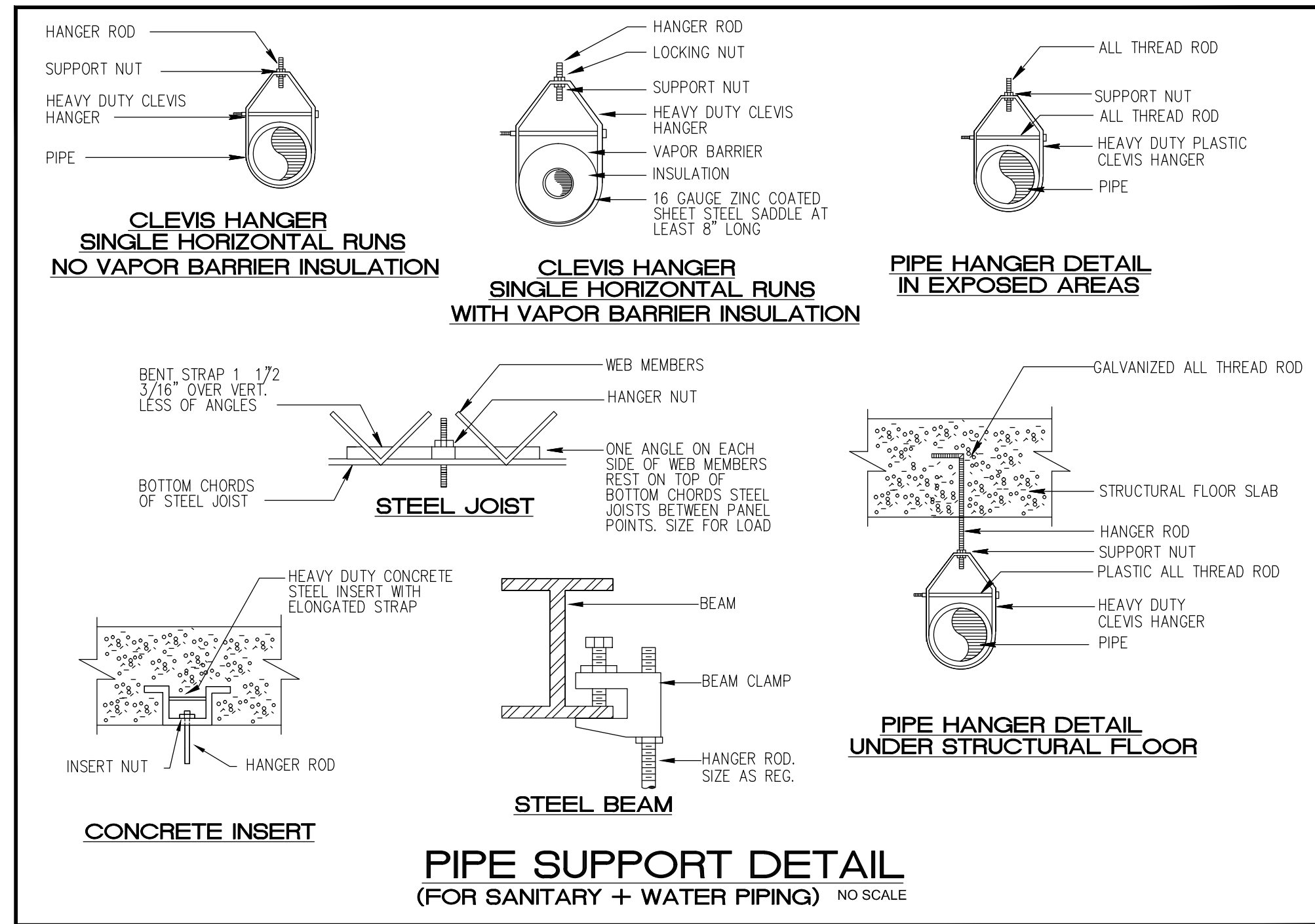
SANITARY PIPING ISOMETRIC
NO SCALE



TYPICAL CLEANOUT DETAIL
NO SCALE



HOSE BIBB DETAIL
NO SCALE



PIPE SUPPORT DETAIL
(FOR SANITARY + WATER PIPING) NO SCALE

PLUMBING FIXTURE SCHEDULE			
NAME	FIXTURE	MODEL #	ACCESSORIES
WC-2	ADA WATER CLOSET	AMERICAN STANDARD MADERA 2854.128 ELONGATED (1.28 G.P.F)	CHURCH OPEN FRONT SEAT, AMERICAN STANDARD FLOWISE MANUAL FLUSH VALVE MODEL 6047.121
WC	WATER CLOSET	AMERICAN STANDARD MADERA 2854.128 ELONGATED (1.28 G.P.F)	CHURCH OPEN FRONT SEAT, AMERICAN STANDARD FLOWISE MANUAL FLUSH VALVE MODEL 6047.121
EWC	ELECTRIC WATER COOLER	ELKAY EZSTL8	1/2" SUPPLY PIPES, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP
L-1	DROP-IN LAVATORY	AQUALYN #0476.028	ZURN #Z-7440 FAUCET 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP WITH MCGUIRE 155WC GRID DRAIN
LAV-2	WALL HUNG LAVATORY	BY OWNER	ZURN #Z-7440 FAUCET 3/8" W # S-3440 DRAIN FAUCET 3/8" FLEXIBLE SUPPLY PIPE, MCGUIRE ANGLE STOPS & ADJUSTABLE "P" TRAP
LAV-3	TRIPLE STATION LAVATORY	SLOAN DSG-83000	T&S BRASS FAUCET MODEL B-0502-03 WITH DOUBLE PEDAL VALVE MODEL B-0502. PROVIDE WATER HAMMER ARRESTOR PER MANUFACTURE RECOMMENDATION
SHR	SHOWER (COMMERCIAL)	SYMONS #96-1	1/2" SUPPLY PIPES AND SHOWER TRAY & STALL (TO BE SELECTED BY ARCHITECT) WITH 2" FLOOR DRAIN
SH-2	SHOWER H.C.	SYMONS #96-500-30	1/2" SUPPLY PIPES AND SHOWER TRAY & STALL (TO BE SELECTED BY ARCHITECT) WITH 2" FLOOR DRAIN
UR	URINAL	ALLBROOK #6541.132.	WALL HANGING KIT W/ ZURN Z-1222 FLOOR MOUNTED CARRIER. FLUSH VALVE ZURN Z-6003XL-WS1.
MS	MOP SINK	FIAT #MSB2424	WALL GUARD - WC ZURN Z-841 MI-RC DRAIN - SD
* ALL PLUMBING FIXTURES SHALL BE APPROVED BY ARCHITECT/OWNER			
FIXTURE	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (FLUSH VALVE)	1"	3"	1.28 GPM
LAVATORY	1/2"	1 1/4"	.5 GPM

- GENERAL PLUMBING NOTES:**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA 2010 BUILDING CODE (PLUMBING) AND WITH ALL APPLICABLE REGULATIONS.
 - ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
 - GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR.
 - ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1/8" INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1/4" SLOPE FOR 2" PIPES AND SMALLER.
 - PLUMBING FIXTURES: FIXTURES SHALL BE AS SELECTED BY TENANT AND INSTALLED BY THIS CONTRACTOR. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, SUPPLIES AND ANY OTHER ACCESSORY REQUIRED. FIXTURES AND FAUCETS SHALL COMPLY WITH THE FLORIDA BUILDING CODE 2010 WATER SAVING STANDARDS.
 - PIPING:
 - SOIL, WASTE AND VENT: SCHEDULE 40 PVC
 - DOMESTIC WATER: TYPE M COPPER ISOLATE PIPING FROM CONCRETE WITH INSULATING MATERIAL.
 - DOMESTIC WATER SUPPLY ASSEMBLY: CHROME FINISH TUBING WITH ANGLE SHUT OFF VALVES.
 - PIPING TEST AND DISINFECTIONS:
 - TEST: ALL SANITARY AND DOMESTIC WATER SUPPLY PIPING SHALL BE TESTED FOR LEAKS BEFORE PIPING IS CONCEALED OR CONNECTED TO EQUIPMENT AND PLUMBING FIXTURES.
 - DISINFECTION: ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED BY INTRODUCING A SOLUTION OF CALCIUM HYPOCHLORITE OF 50 PARTS PER MILLION OF CHLORINE AND AS PER AWWA STANDARDS.
 - VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT ENDS.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, AND DOMESTIC WATER PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.
 - CONTRACTOR SHALL PIPE PROTECTION UNDERNEATH ALL ADA LAVATORIES AND SINKS TO COMPLY WITH ADA CODE.
 - NO COMBUSTIBLE MATERIAL SHALL BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, AND DOMESTIC WATER PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING SANITARY LINE
---	EXISTING VENT LINE
---	SANITARY LINE
---	VENT LINE
---	EXISTING COLD WATER LINE
---	EXISTING HOT WATER LINE
---	COLD WATER LINE
---	HOT WATER LINE
+	GATE VALVE
+	FLOOR PENETRATION
+	HAMMER ARRESTOR
+	WALL CLEANOUT
+	CONNECT TO EXISTING

SHOCK ARRESTOR SCHEDULE			
P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIUOX CHIEF 652-A	1-11	1/2"
B	SIUOX CHIEF 652-B	12-32	3/4"
C	SIUOX CHIEF 652-C	33-60	1"
D	SIUOX CHIEF 652-D	61-113	1"

1. SIUOX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.
2. LOCATE SHOCK ARRESTORS PER MANUFACTURE RECOMMENDATION.

bd bach design engineers

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CITY OF WEST PALM BEACH, FLORIDA

O & M COMPLEX BLDG #2 RESTROOMS RENOVATIONS

1045 CHARLOTTE AVE.
WEST PALM BEACH, FL 33401

Key Plan:

Revisions :

1	ADDENDUM 11-28-16
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Date : 06/03/16
S+A Project No : 15031
Owner:
Drawn By : BN
Checked By : BN
Phase :
100% CONSTRUCTION DOCUMENTS

Sheet Title :
PLUMBING SCHEDULE, NOTES, AND DETAILS

Sheet # :