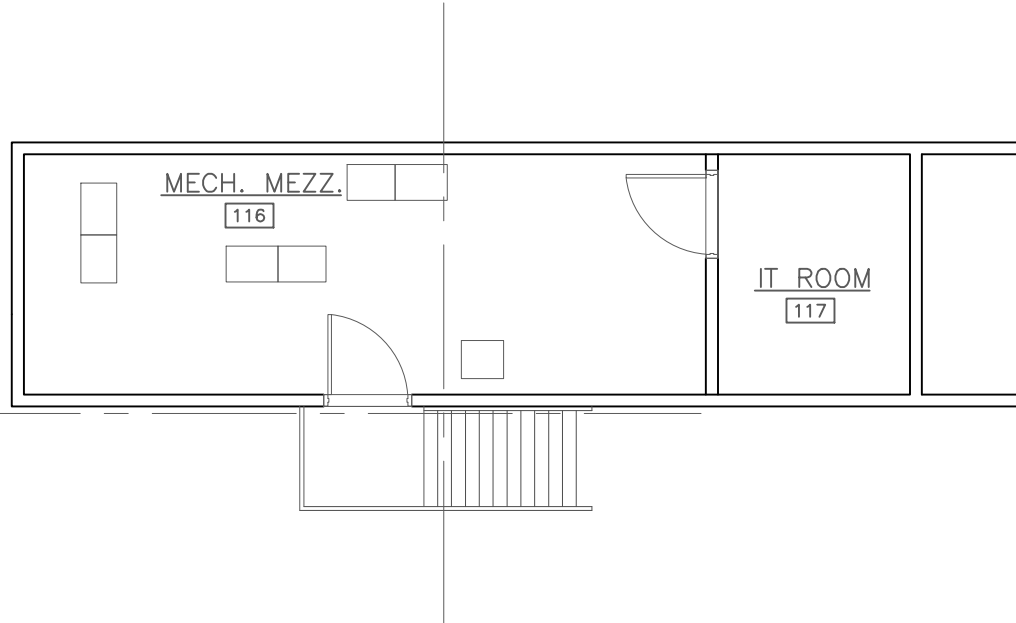


P:\PROJECTS\17-034 DURHAM TECH FACILITIES SVCS BLDG\3.0 CAD\3.50 PLUMBING\PL1.DWG PLOTED BY: BRUCE NEWMAN - 9/17/2018 2:22 PM



NOTE:
SEE ENLARGED PLANS 5 & 6 ON SHEET P2.1 FOR MEZZANINE PIPING.

2 Plumbing Plan

P1.1

SCALE: 1/8" = 1'-0" Mezzanine Area

FIXTURE SCHEDULE

SYMBOL	FIXTURE	CW	HW	WASTE	REMARKS
P-1	WATER CLOSET *	1"	-	4"	FLOOR MTD., FLUSH VALVE, ADA, 17-1/2" TO LIP MIN.
P-2	URINAL	3/4"	-	2"	16" TO LIP, ADA, .125 GALLON PER FLUSH
P-3	LAVATORY	1/2"	1/2"	1-1/2"	WALL MOUNTED, ADA, SINGLE LEVER FAUCET
P-4	SINK	1/2"	1/2"	1-1/2"	DOUBLE BOWL, SINGLE LEVER FAUCET
P-5	EMERGENCY EYEWASH	1/2"	1/2"	4" FD	
P-6	ELECTRIC WATER COOLER	1/2"	-	1-1/4"	HIGH LOW UNIT, 34" TO RIM OF LOW BOWL W/BOTTLE FILLER
P-7	MOP BASIN	1/2"	1/2"	3"FD	24"x24"x10"
P-8	ICE MAKER BOX	1/2"	-	-	18" AFF
P-9	HOSE BIBB	1/2"	-	-	18" AFF
P-10	ANTI-FREEZE HYDRANT	3/4"	-	-	18" AFG

* INSTALL ADA FIXTURE WITH FLUSH HANDLE ON WIDE SIDE OF ROOM.

FLOOR DRAIN, & CLEANOUT SCHEDULE

NUMBER	MODEL NUMBER
FD-A	ZURN ZN-415, DURA COATED CAST IRON BODY ADJUSTABLE 6" B-TYPE NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION.
FD-B	ZURN ZN-415I, DURA-COATED CAST IRON BODY, ADJUSTABLE 6" 1" TYPE NICKEL BRONZE STRAINER, DEEP SEAL TRAP, AND TRAP PRIMER CONNECTION. INSTALL WITH RAISED STRAINER FLANGE FLUSH WITH FLOOR.
CO	ZURN Z1400-ZB-BP LEVEL-TROL ADJUSTABLE LEVELING FLOOR CLEANOUT, DURACOATED CAST IRON BODY WITH GAS AND WATERTIGHT BRONZE PLUG AND ROUND SCORIATED SECURED LIGHT DUTY TOP.
EXCO	ZURN Z-1474-N HEAVY DUTY CLEANOUT HOUSING WITH DURA-COATED CAST IRON BODY WITH INTEGRAL ANCHOR FLANGE, SECURED SCORIATED COVER WITH LIFTING DEVICE AND 4" INTERNAL CLEANOUT.

OR PRE APPROVED EQUAL PRODUCTS BY:
1. SMITH
2. JOSAM

PLUMBING GENERAL NOTES:

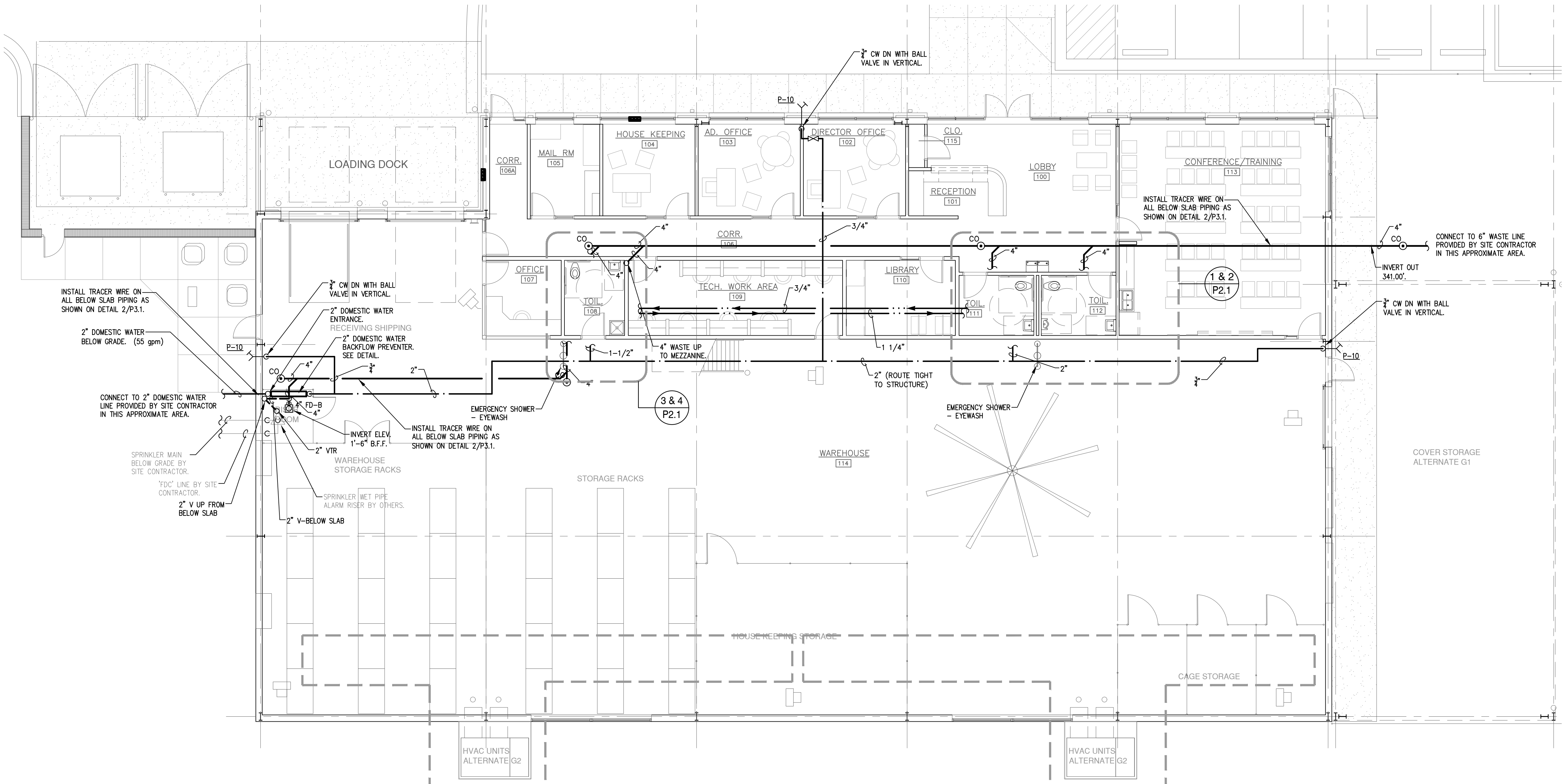
- OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS.
- DO NOT SCALE DRAWING. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- ALL WATER AND VENT PIPING SHALL BE INSTALLED ABOVE CEILING OR IN CHASE WALLS U.N.O.
- ALL WASTE PIPING SHALL BE INSTALLED BELOW FLOOR OR SLAB U.N.O.
- COORDINATE ALL WASTE, VENT, AND WATER PIPING WITH OTHER TRADES PRIOR TO INSTALLATION.
- SET FLOOR DRAINS 1/2" LOWER THAN FINISHED FLOOR ELEVATION.
- PROVIDE ALL OFFSETS IN PIPING AS REQUIRED TO AVOID STRUCTURE AND MECHANICAL EQUIPMENT ABOVE CEILING.
- ALL ABOVE CEILING PLUMBING PIPING SHALL BE INSTALLED TIGHT TO STRUCTURE WHERE POSSIBLE. ALL NEG. CHANGES IN ELEVATIONS OF PIPING NOT SHOWN SHALL BE PROVIDED AS PART OF THIS CONTRACT DUE TO FIELD COORDINATION WITH OTHER TRADES WITHOUT ADDITIONAL CHARGES TO THE OWNER.
- THE LOCATION OF BALL VALVES SHALL BE COORDINATED WITH OTHER TRADES. VALVES SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION WITHIN 24" ABOVE CEILING.
- ALL PLUMBING PIPING SHALL REMAIN CAPPED DURING ROUGH-IN INSTALLATIONS.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE AND LOCAL CODES. THIS WORK SHALL INCLUDE CLEANOUTS, AND VACUUM BREAKERS REQUIRED FOR A COMPLETE OPERATIONAL PLUMBING SYSTEM. PROVISION OF THESE ITEMS SHALL BE PROVIDED IN THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPING PENETRATIONS THROUGH FIRE RATED FLOORS OR PARTITIONS/WALLS SHALL BE SEALED IN ACCORDANCE WITH THE PROPER UL LISTED SYSTEMS. ALL PENETRATIONS THROUGH NON-RATED WALLS SHALL BE SEALED TO PREVENT SOUND TRANSFER USING CAULK OR SHEETROCK MUD.
- ALL SEWER VENTS SHALL BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO ROOF PENETRATION TO INSURE PROPER LOCATION. ALL VENT PIPING SHALL BE FLASHED AND SEALED BY BUILDING METAL ROOF CONTRACTOR.
- ALL PLUMBING WATER PIPING INSTALLED IN OR PENETRATING BLOCK WALLS SHALL BE INSULATED WITH MINIMUM 1/2" ARMAFLEX TYPE INSULATION.
- SEE RISER DIAGRAMS FOR ADDITIONAL INFORMATION NOT SHOWN ON FLOOR PLANS.
- IN THE EVENT THE CONTRACTOR CHOOSES TO USE PRODUCTS OTHER THAN THE BASIS OF DESIGN, HE ASSUMES FULL RESPONSIBILITY FOR COORDINATION AND INTEGRATION OF SUCH ITEMS. THE FUNCTIONAL DESIGN INTEGRITY OF ALL SYSTEMS AND COMPONENTS SHALL BE MAINTAINED. VOLTAGES, LOADS, WIRE SIZES AND QUANTITIES, DISCONNECT SWITCHES AND FUSE SIZES, PHYSICAL SIZE, LOCATIONS, CLEARANCES, ETC. SHALL BE FULLY COORDINATED BY THE CONTRACTOR AND SHALL BE HIS RESPONSIBILITY. ANY ADDITIONAL COST RESULTING FROM SAID SUBSTITUTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PLUMBING LEGEND

CW	COLD WATER
DN	DOWN
FD	FLOOR DRAIN
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SS	SANITARY SEWER
V	VENT
VTR	VENT THRU ROOF
W	WASTE
ANO	AS NOTED OTHERWISE
-----	SANITARY SEWER PIPING
-----	VENT PIPING
P--	PLUMBING FIXTURE
-----	COLD WATER PIPING
-----	HOT WATER PIPING
-----	HOT WATER RECIRCULATING PIPING
-----	STORM SEWER PIPING
FD--	FLOOR DRAIN
○	ELBOW UP
○	ELBOW DOWN
○	SERVICE (BALL) VALVE
○	CHECK VALVE
○	C.O. CLEAN OUT - FINISHED FLOOR
○	WALL CLEAN OUT
○	UNION
SA--	SHOCK ARRESTOR
○	HOSE BIBB
○	NEW CIRCUIT SETTER

PLUMBING FIXTURE LOAD SUMMARY

TOTAL DESIGN	TOTAL
WASTE FIXTURE UNITS	40 F.U.
WATER FIXTURE UNITS	59 F.U., 50 GPM, 2" SERVICE

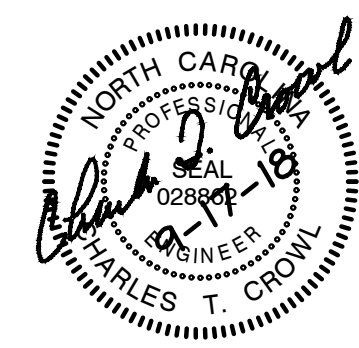


1 Plumbing Plan

P1.1

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

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NEW FACILITIES
SERVICE BUILDING FOR:

**DURHAM
TECHNICAL
COMMUNITY
COLLEGE**

1700 COOPER ST.
DURHAM, NC

SCO PROJECT
NUMBER
17-16794-01A

PROJECT NUMBER
17-034

Plumbing Plan

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CONSTRUCTION DOCUMENTS

Revisions	
Drawn	LDH
Checked	CTC
Date	SEPTEMBER 17, 2018
Sheet	

P1.1

Of