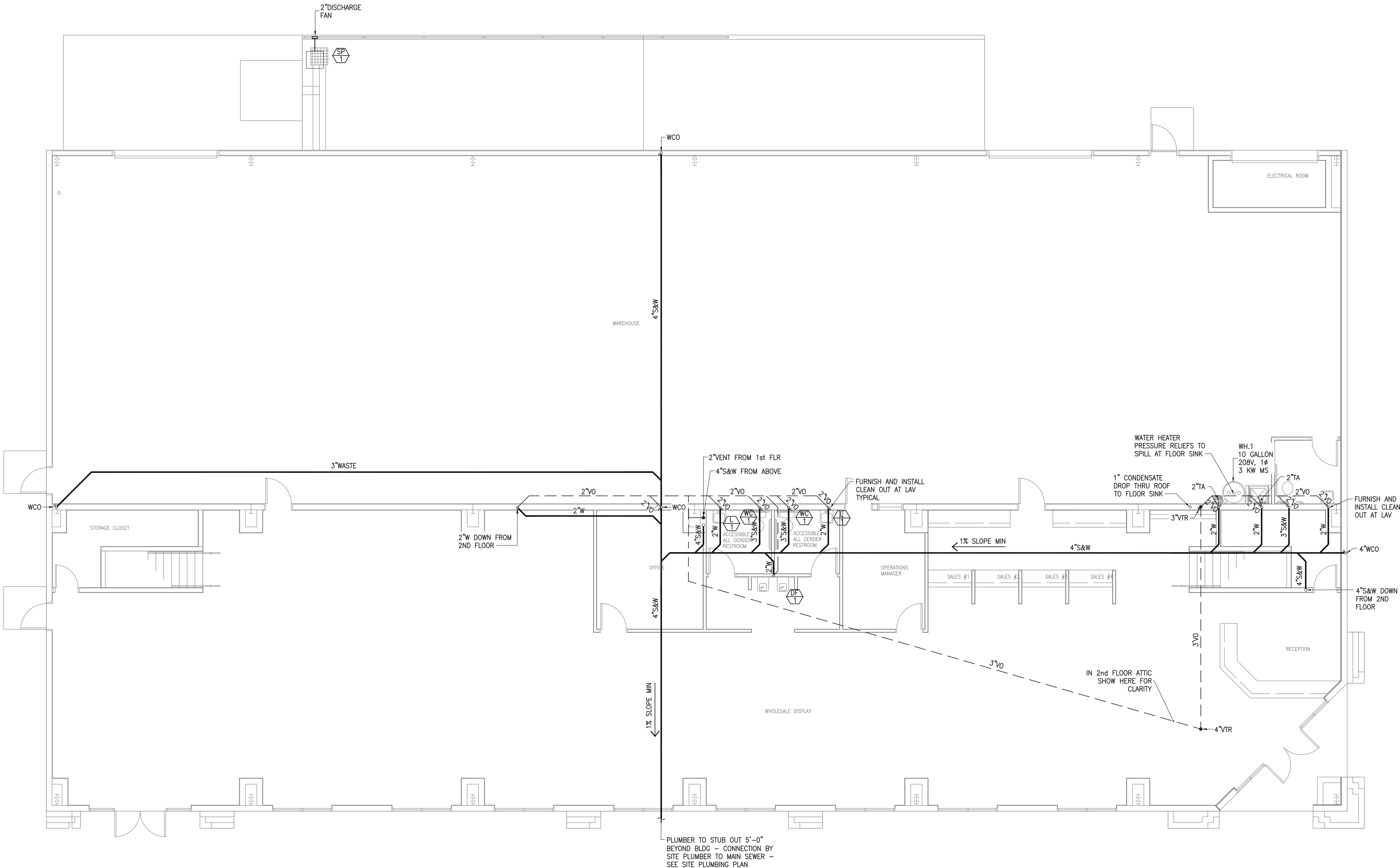


THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER WITHOUT RESERVE. USUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE FORMAL ADOPTION OF THE ACCEPTANCE OF THESE RESTRICTIONS. CANTelmi ENGINEERING



FIRST FLOOR PLUMBING PLAN - WASTE

SCALE: 3/16" = 1'-0"

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

CANTElMI ENGINEERING
MECHANICAL/ELECTRICAL
2130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-5252 FAX: (661) 324-8439 Cantelmi@cantelmi.net

FIRST FLOOR SOIL & WASTE PLAN
MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

DATE	ISSUED

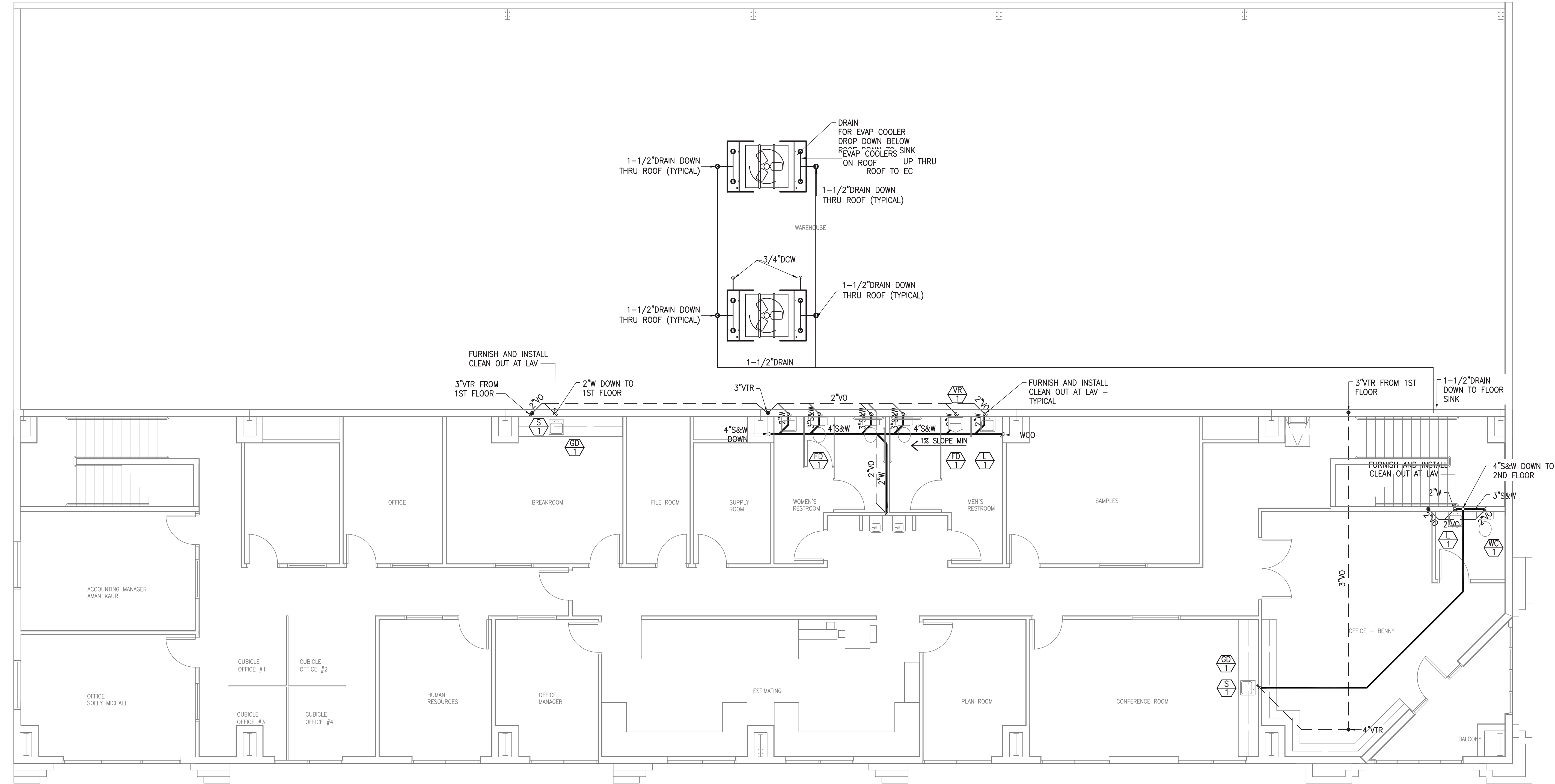
DATE	MARK	ISSUED

DWG. BY	DBC
CHKD BY	FJC
DATE	09-21-18
JOB NO.	C16-135
FILE NO.	



SHEET
P2.0
SHEET

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL USE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER WITHOUT RESERVATION. USUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE FORMAL ACCEPTANCE OF THE ACCURACY OF THESE RESTRICTIONS. CANTelmi ENGINEERING



SECOND FLOOR PLUMBING PLAN - WASTE

SCALE: 3/16" = 1'-0"

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

CANTElMI ENGINEERING
MECHANICAL/ELECTRICAL
2130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-5252 FAX: (661) 324-8439 Cantelmi@cantelmi.net

SECOND FLOOR SOIL / WASTE / VENT
MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

DATE	ISSUED

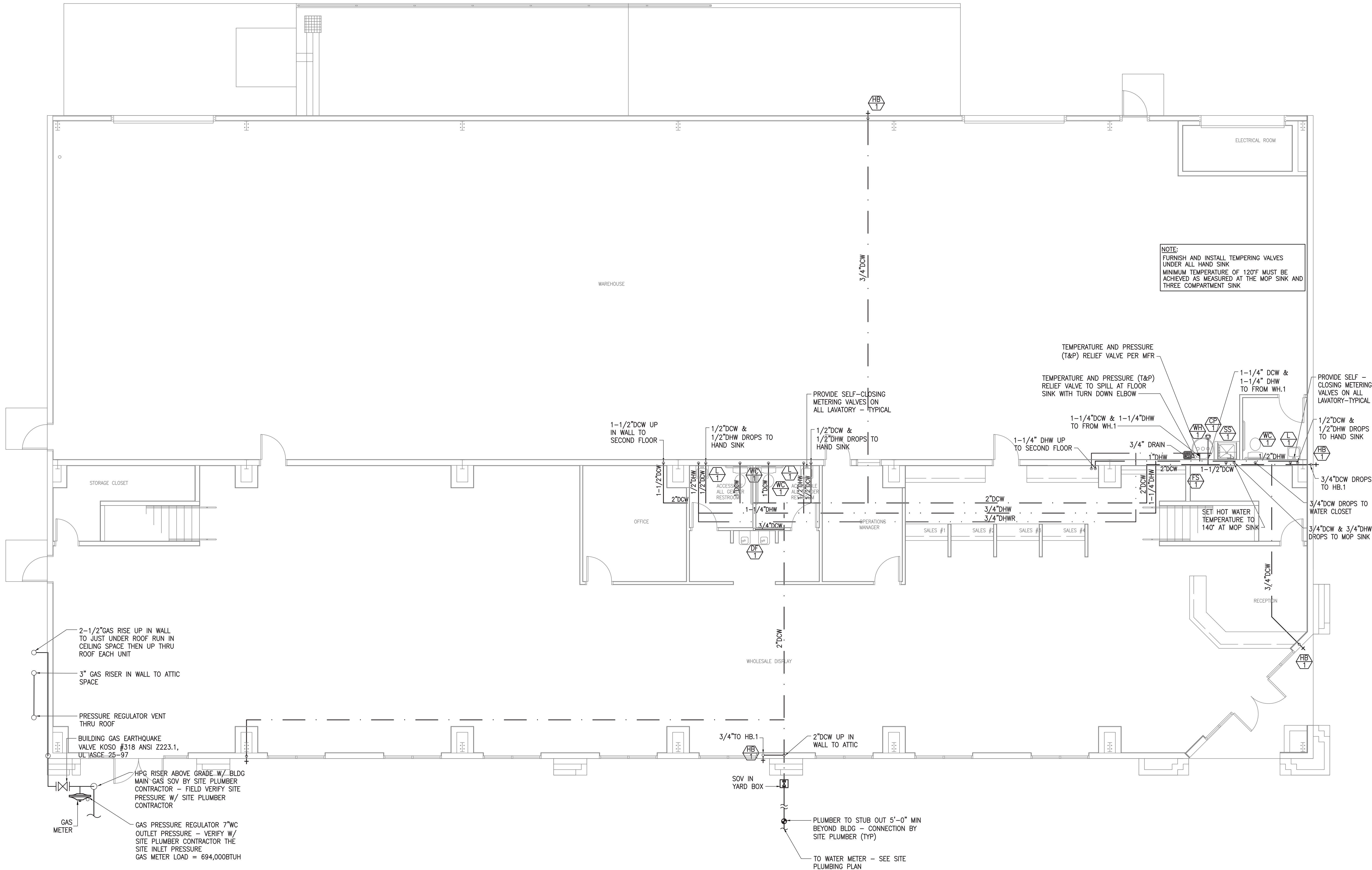
DATE	MARK	ISSUED

DWG. BY	DBC
CHKD BY	FJC
DATE	09-21-18
JOB NO.	C18-135
FILE NO.	



SHEET
P3.0
SHEET

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER. WITHOUT PREJUDICE, VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. CANTelmi ENGINEERING



FIRST FLOOR PLUMBING PLAN - DCW/DHW

SCALE: 3/16" = 1'-0"

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

CANTElMI ENGINEERING
MECHANICAL/ELECTRICAL
2130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-5252 FAX: (661) 324-8439 Contelmi@cantelmi.net

FIRST FLOOR DOMESTIC WATER PLAN
MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

DATE	ISSUED

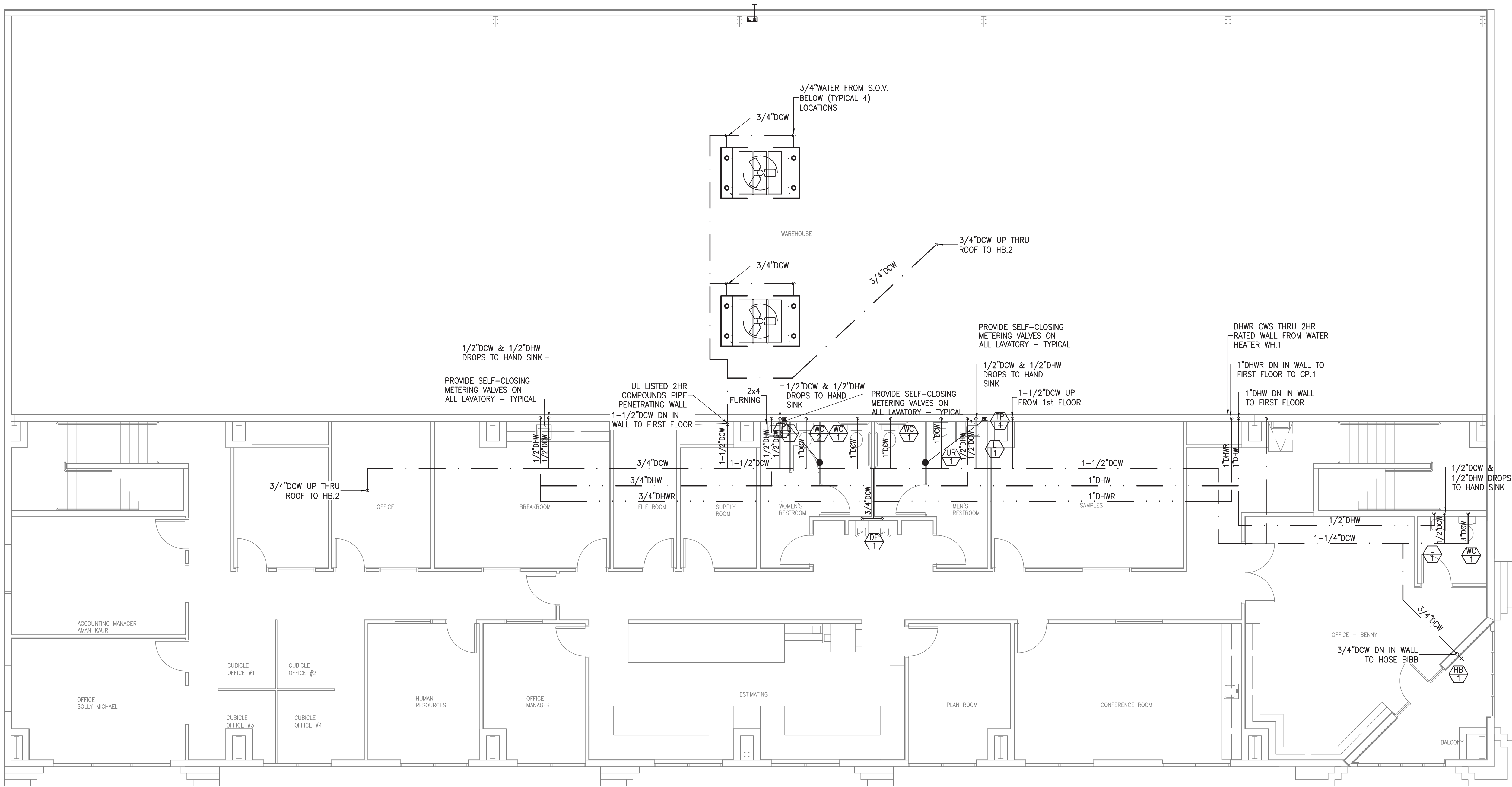
DATE	MARK	ISSUED

DWG. BY	DBC
CHKD BY	FJC
DATE	09-21-18
JOB NO.	C18-135
FILE NO.	



SHEET
P4.0
SHEET

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLISHED. THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER WITHOUT RESERVATION. USUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE FORMAL ADOPTION OF THE ACCEPTANCE OF THESE RESTRICTIONS. CANTELMI ENGINEERING



SECOND FLOOR PLUMBING PLAN - DCW/DHW

SCALE: 3/16" = 1'-0"

CANTELM ENGINEERING
MECHANICAL/ELECTRICAL
2130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-5252 FAX: (661) 324-8439 Cantelmi@cantelmi.net

SECOND FLOOR DOMESTIC WATER PLAN
MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

DATE	ISSUED

DATE	MARK	ISSUED

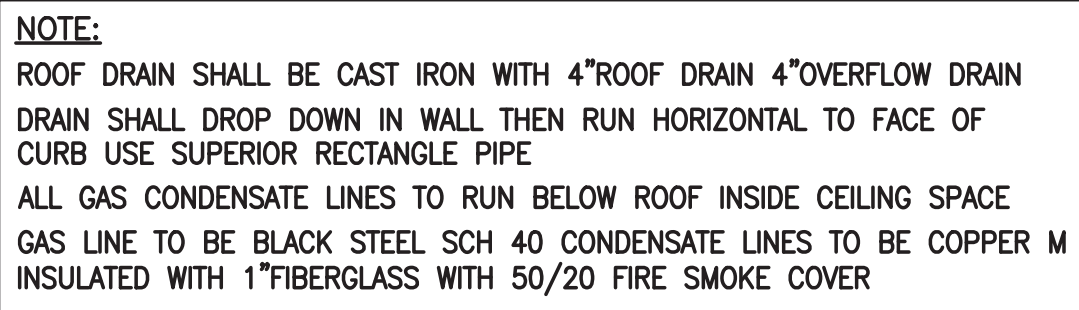
DWG. BY	DBC
CHKD BY	FJC
DATE	09-21-18
JOB NO.	C18-135
FILE NO.	



SHEET
P5.0
X OF X SHEET

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.



SCALE: 3/16" = 1'-0"

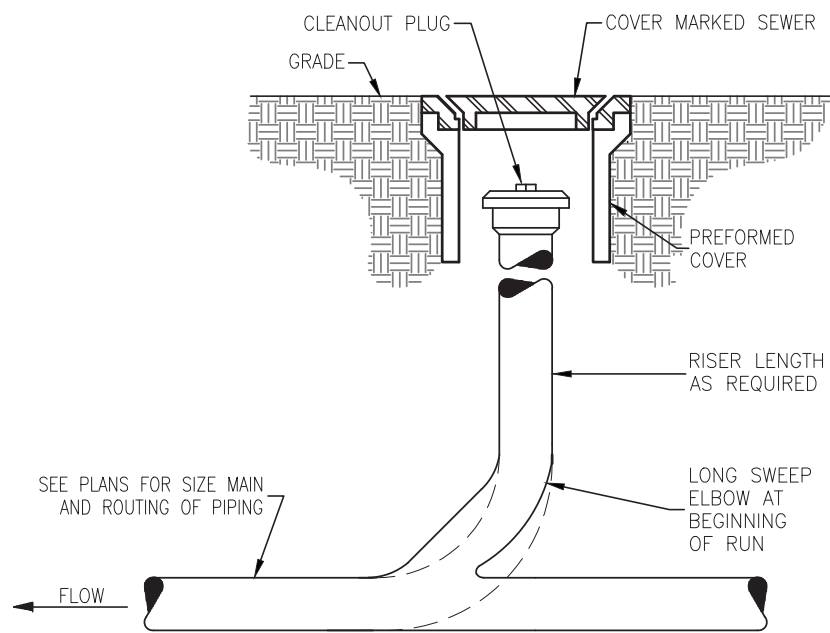
PLUMBING ROOF PLAN
MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

SHEET

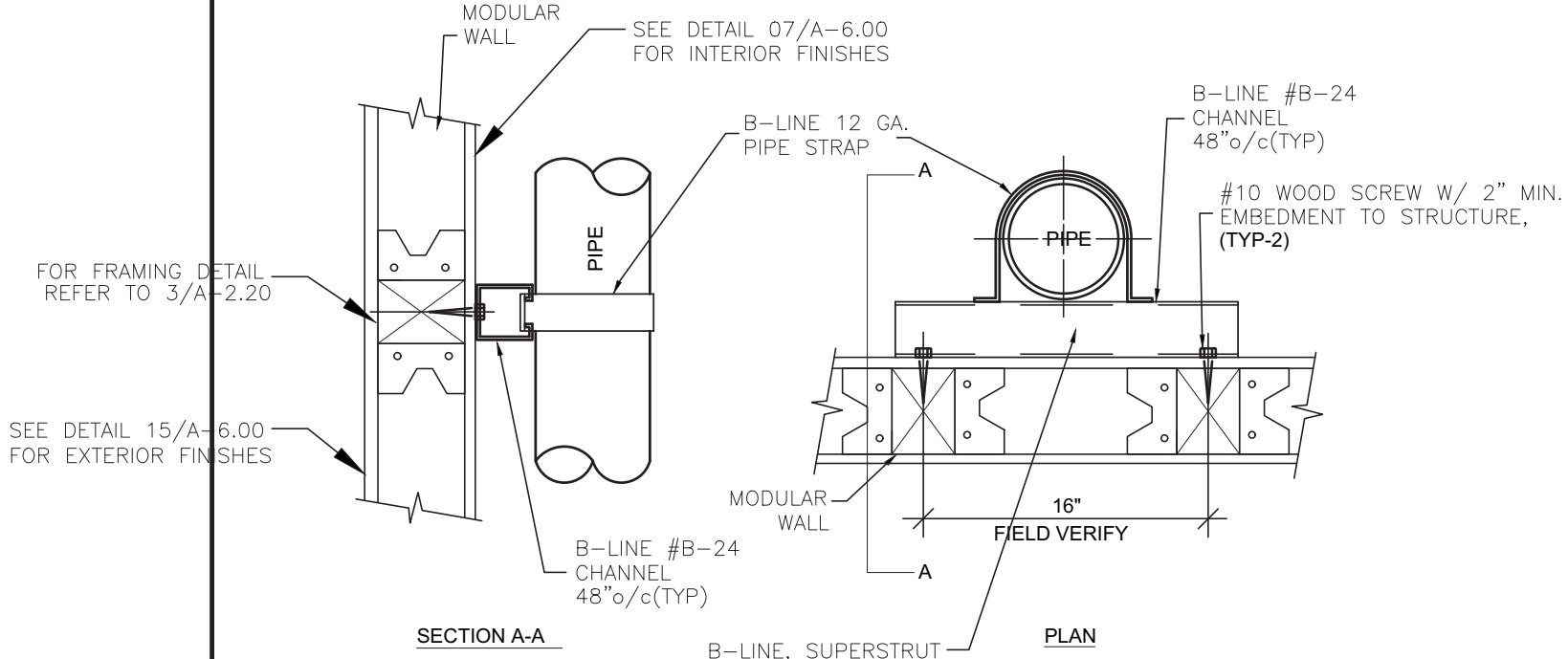
P6.0

SHEET

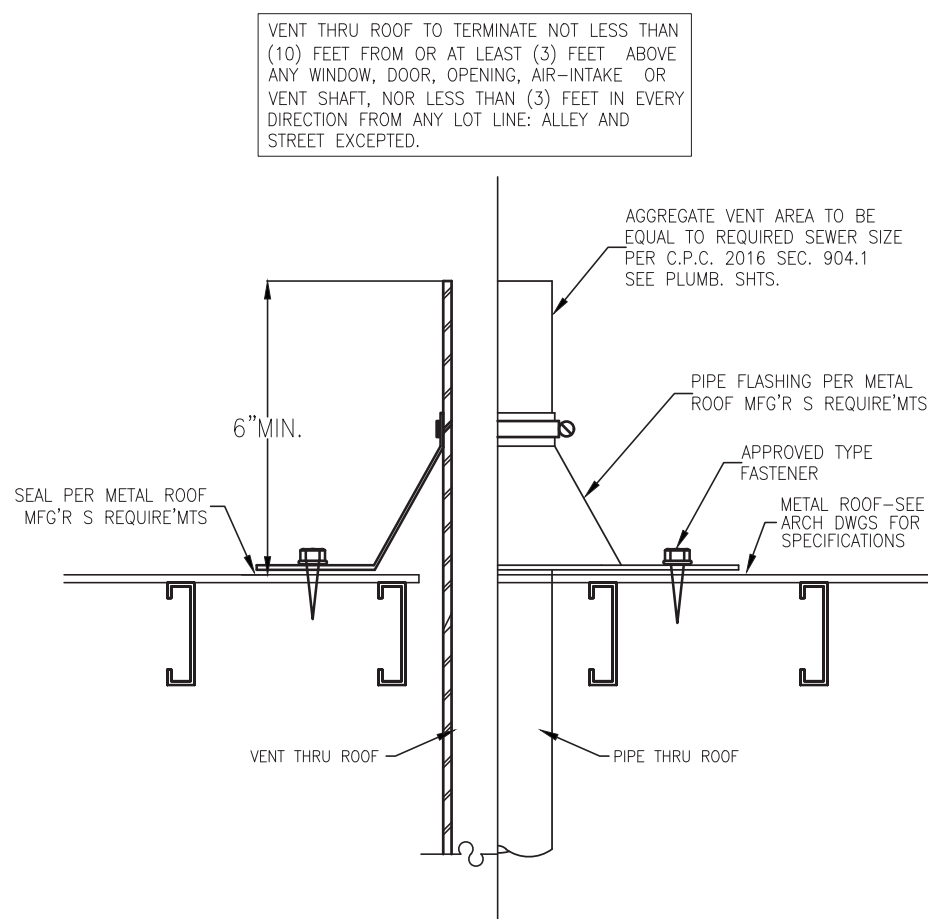
THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER. WITHOUT SUCH NOTICE, ANY CONTRACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE FORMAL ADOPTION OF THE ACCEPTANCE OF THESE RESTRICTIONS. CANTELMI ENGINEERING



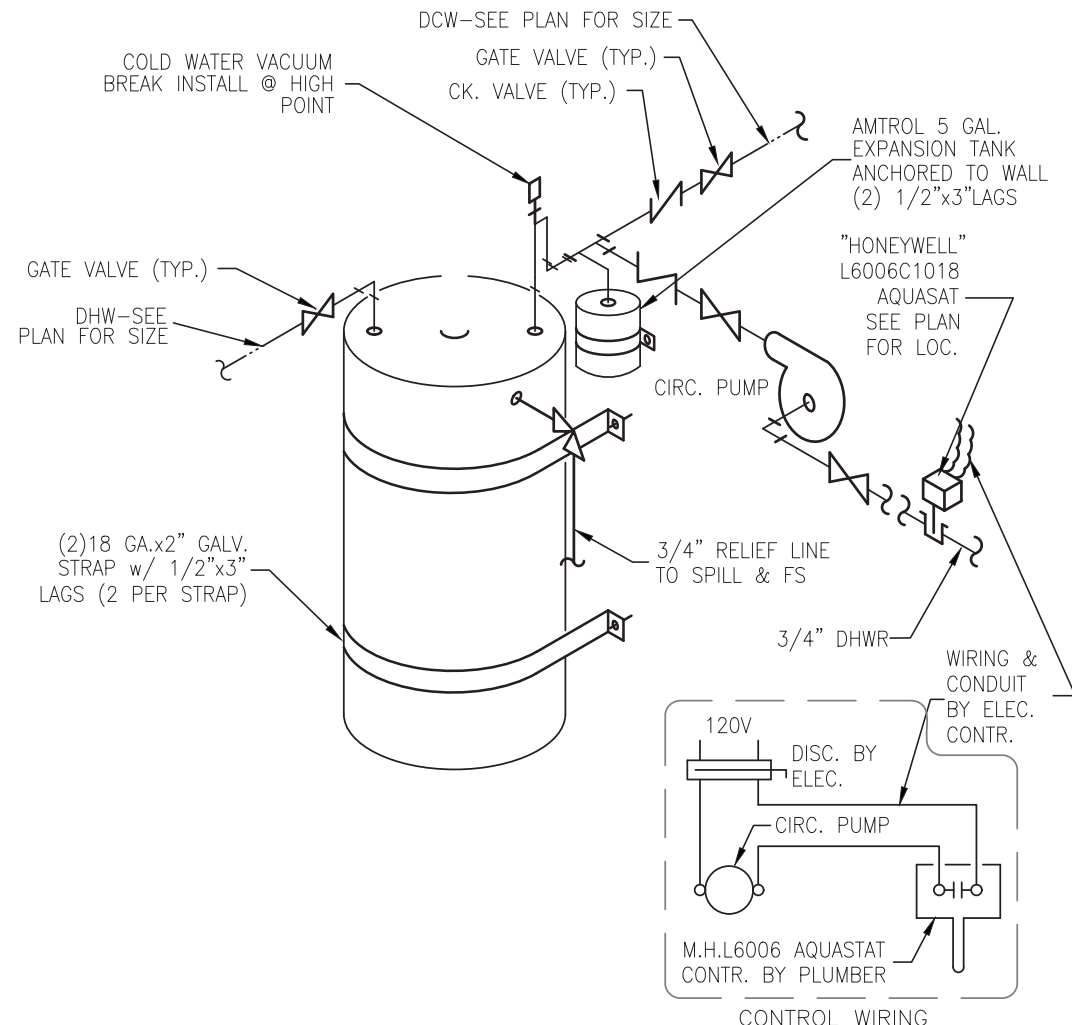
1 CLEANOUT TO GRADE - TYP. NTS



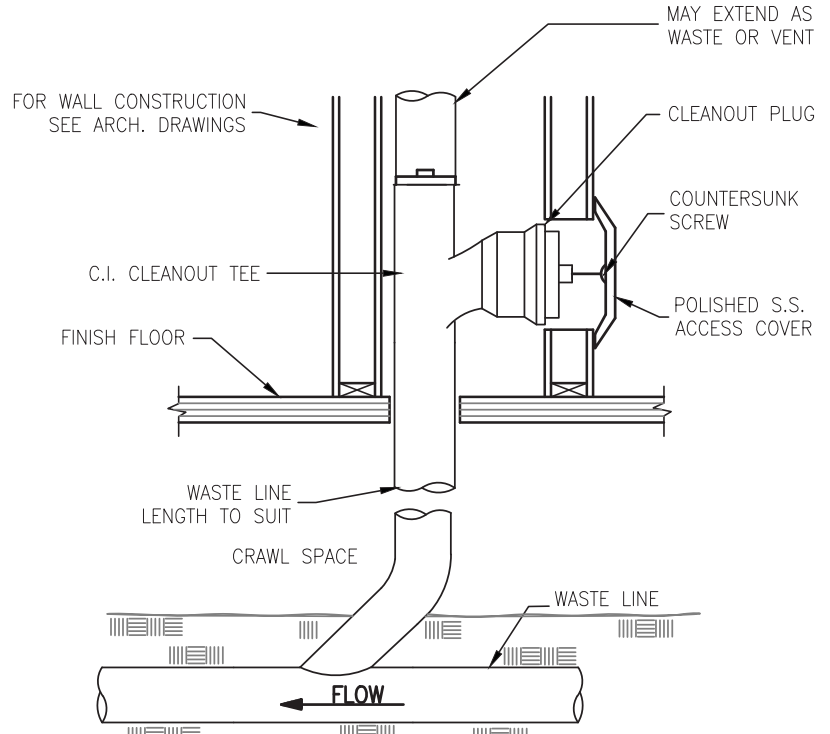
4 PIPE MOUNTING - TYP. N.T.S.



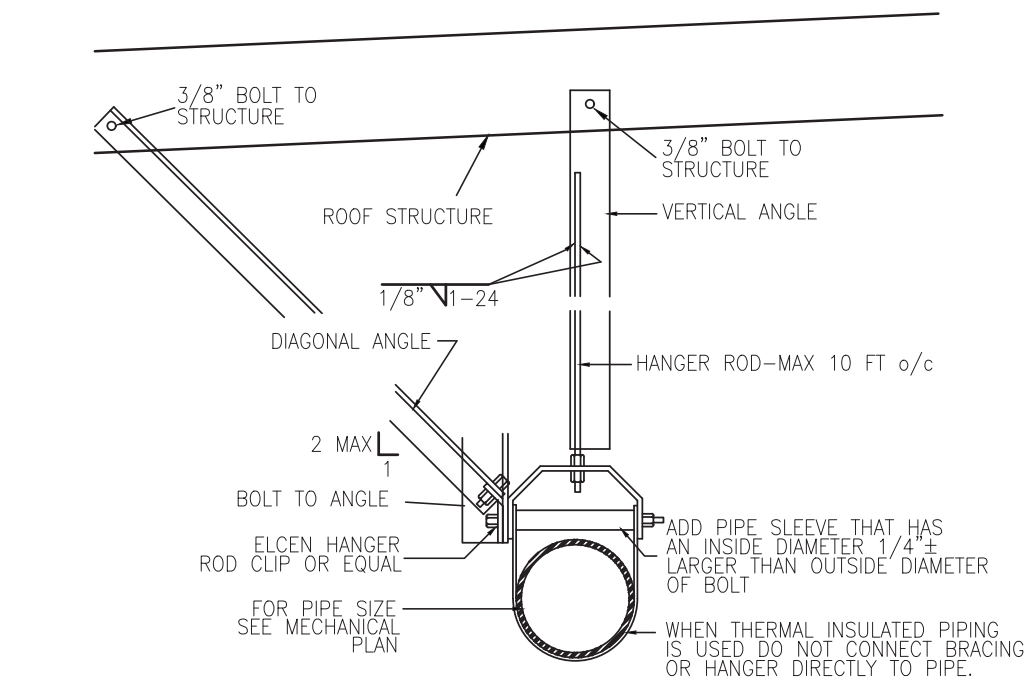
2 VENT/PIPE THRU ROOF - TYP. NTS



5 WATER HEATER MTG/PIPING NTS



3 WALL CLEANOUT - TYP. NTS



6 PIPE HANGER/BRACING - TYP. NTS

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	DCW	DHW	S&W	TRAP	VENT	DESCRIPTION
WC 1	WATER CLOSET	1 1/4"	-	4"	INT.	2"	ZURN #Z5615-BWL HET ELONGATED WALL HUNG - ECOVANTAGE FLUSH VALVE TOILET SYSTEM - VITREOUS CHINA 1.28 GPF - ELONGATED OPEN FRONT SEAT - BOLT CAP KIT - ZURN #Z6000PL-HET FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL - ZURN #Z1212 WALL CLOSET SUPPORT SYSTEM - SHALL MEET CALGREEN STANDARDS
WC 2	ACCESSIBLE TOILET	1 1/4"	-	4"	INT.	2"	ZURN #Z5615-BWL HET ELONGATED WALL HUNG - ECOVANTAGE FLUSH VALVE TOILET SYSTEM - VITREOUS CHINA 1.28 GPF - ELONGATED OPEN FRONT SEAT - BOLT CAP KIT - ZURN #Z6000PL-HET FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL - ZURN #Z1212 WALL CLOSET SUPPORT SYSTEM - SHALL MEET CALGREEN STANDARDS - SEE ARCHITECTURAL DETAIL FOR ADA COMPLIANT MOUNTING HEIGHT
UR 1	URINAL	1"	-	2"	INT.	2"	AMERICAN STANDARD WASHBROOK #6590.001US - VITREOUS CHINA - WALL MOUNTED - .125 GPF - ROYAL MODEL FLUSHMETER #186-0.125 - JR SMITH WALL CARRIER #0637 - SHALL MEET CALGREEN STANDARDS - SEE ARCHITECTURAL DETAIL FOR ADA COMPLIANT MOUNTING HEIGHT
L 1	LAVATORY ADA	1/2"	-	2"	1-1/4"	2"	AMERICAN STANDARD LUCERNE #0355.012 - WALL MTD - VITREOUS CHINA - CHICAGO FAUCET #3300-ABCP - .5 GPM, MIN. - LA PATTEN P-TRAP W/ ACCESSIBLE INSULATION WRAP BY PLUMBEREX "HANDY SHIELD MAXX" #2003 - MEETS AST E84-07 TESTING STANDARD - CHICAGO SUPPLY & STOPS #1017-ABCP - JR SMITH WALL CARRIER #0723 - VERIFY HOLE DRILLING FOR FAUCET - LAVATORY SHALL BE ADA COMPLIANT & MEET CALGREEN MAX. .4 GPM FLOW RATE (OR EQUAL)
S 1	SINK	3/4"	3/4"	2"	1-1/2"	2"	JUST #SLN-ADA-1921-A-OR - 19"x21"x4" - SINGLE COMPARTMENT TYPE 304 STAINLESS STEEL SELF-RIMMING SINK - JUST #J-35 DRAIN - CHICAGO #350-317CP FAUCET
MS 1	MOP SINK	3/4"	3/4"	3"	3"	2"	AMERICAN STANDARD #7745.000 FLOOR MTD MOP SINK - 28"x28"x13" W/ 7721.038-3" DRAIN - CHICAGO FAUCET #897.CP W/ VACUUM BREAKER, PAIL HOOK AND HOSE THREAD OUTLET
WH 1	WATER HEATER	1-1/2"	1-1/2"	-	-	-	A.O. SMITH #DRE-52-18ELECTRIC WATER HEATER - 50 GAL - 6 KW - 74 GPH @ 100' RISE 50.0 FLA @ 208v/3ph (VERIFY SITE VOLTAGE PRIOR TO ORDERING) PRESSURE RELIEF VALVE 670 LBS (OR EQUAL)
HB 1	HOSE BIBB	3/4"	-	-	-	-	WOODFORD #24P-3/4 HOSE BIBB w/LOCKSHIELD - POLISHED CHROME - NON-REMOVABLE VACUUM BREAKER - LOOSE TEE KEY HANDLE - 3/4" HOSE CONNECTION
FD 1	FLOOR DRAIN	-	-	2"	2"	2"	JR SMITH #2005-A-HP FLOOR DRAIN - 6" CHROME PLATED GRATE - DOUBLE DRAINAGE FLANGE - NO HUB OUTLET - TRAP PRIMER CONNECTION
SA 1	SHOCK ABSORBER	-	-	-	-	-	ZURN Z1700 - SERIES SIZED PER MANUFACTURER'S REQUIREMENTS
TP 1	TRAP PRIMER	1/2"	-	-	-	-	PRECISION PLUMBING PRODUCTS #P2-500 TRAP PRIMER MOUNTED IN WALL BOX WITH HINGED COVER PRIMER LINE BELOW FLOOR TO FLOOR DRAIN (MAX. 4 FLOOR DRAINS PER TRAP PRIMER)
FS 1	FLOOR SINK	-	-	2"	2"	2"	PROFLO #PF306K - CAST IRON - DOME BOTTOM STRAINER - NO HUB OUTLET - 2" 'P' TRAP
RD 1	ROOF DRAIN	-	-	4"	-	-	J.R.SMITH #1330Y ROOF DRAIN - 8.5" DIAMETER - DUCO CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP WITH POLYETHYLENE DOME - UNDERDECK CLAMP - 4" NO-HUB OUTLET - REFER TO ARCH DWGS FOR ROOF MOUNTING DETAILS
OD 1	OVERFLOW DRAIN	-	-	4"	-	-	J.R.SMITH #1330Y ROOF DRAIN - 8.5" DIAMETER - DUCO CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP WITH POLYETHYLENE DOME - UNDERDECK CLAMP - 4" NO-HUB OUTLET - 2" WATER DAM - REFER TO ARCH DWGS FOR ROOF MOUNTING DETAILS
CP 1	CIRCULATOR PUMP	-	-	-	-	-	BELL & GOSSETT #NBF-BS/LW CIRCULATOR PUMP - 8.5 GPM @ 8 FT HD - BRONZE CONSTRUCTION - 39 WATTS - 115v - 9 LBS - CONTROL WITH AQUASTAT

CANTEM I ENGINEERING
MECHANICAL/ELECTRICAL
2130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-5252 FAX: (661) 324-8439 Cantelmi@cantelmi.net

MICHAEL FLOORING, INC.
6500 DISTRICT BLVD.
BAKERSFIELD, CA 93313

DATE	ISSUED

DATE	MARK	ISSUED

DWG. BY	DBC
CHKD BY	FJC
DATE	09-21-18
JOB NO.	C18-135
FILE NO.	



SHEET
P5.0
SHEET

NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.