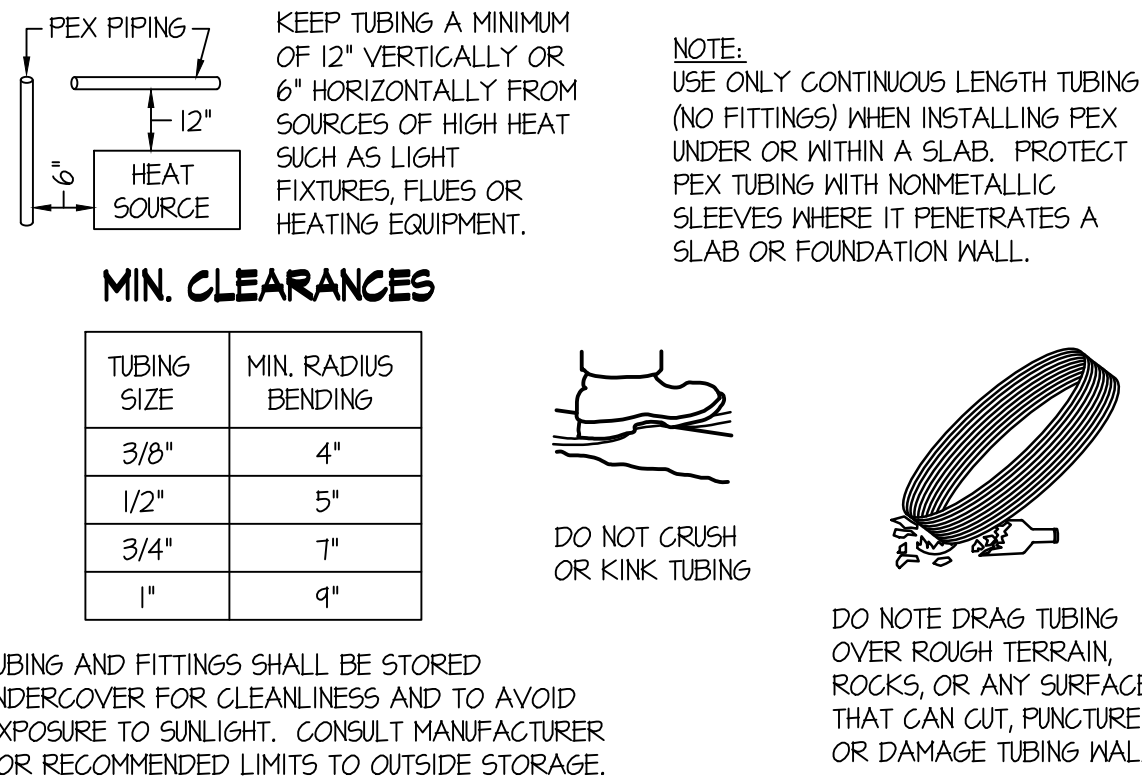
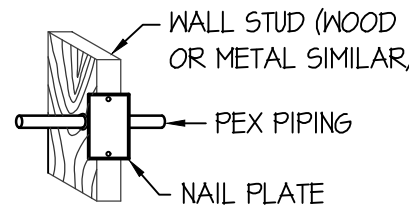




PEX PIPE HANDLING DETAILS

NO SCALE



WALL INSTALLATION

PIPE SUPPORTS: PLASTIC HANGERS AND STRAPS ARE RECOMMENDED, BUT METAL SUPPORTS WHICH ARE DESIGNED FOR USE WITH PLASTIC TUBING CAN BE USED.

DO NOT USE SUPPORTS THAT PINCH OR CUT THE TUBING. SUPPORT SHOULD ALLOW FREE TUBING MOVEMENT.

INSPECT ALL SUPPORTS PRIOR TO INSTALLATION TO ENSURE THAT SHARP EDGES DO NOT EXIST THAT CAN DAMAGE THE TUBING.

DO NOT USE IN ANY APPLICATION WHERE TUBING WILL BE EXPOSED TO DIRECT SUNLIGHT.

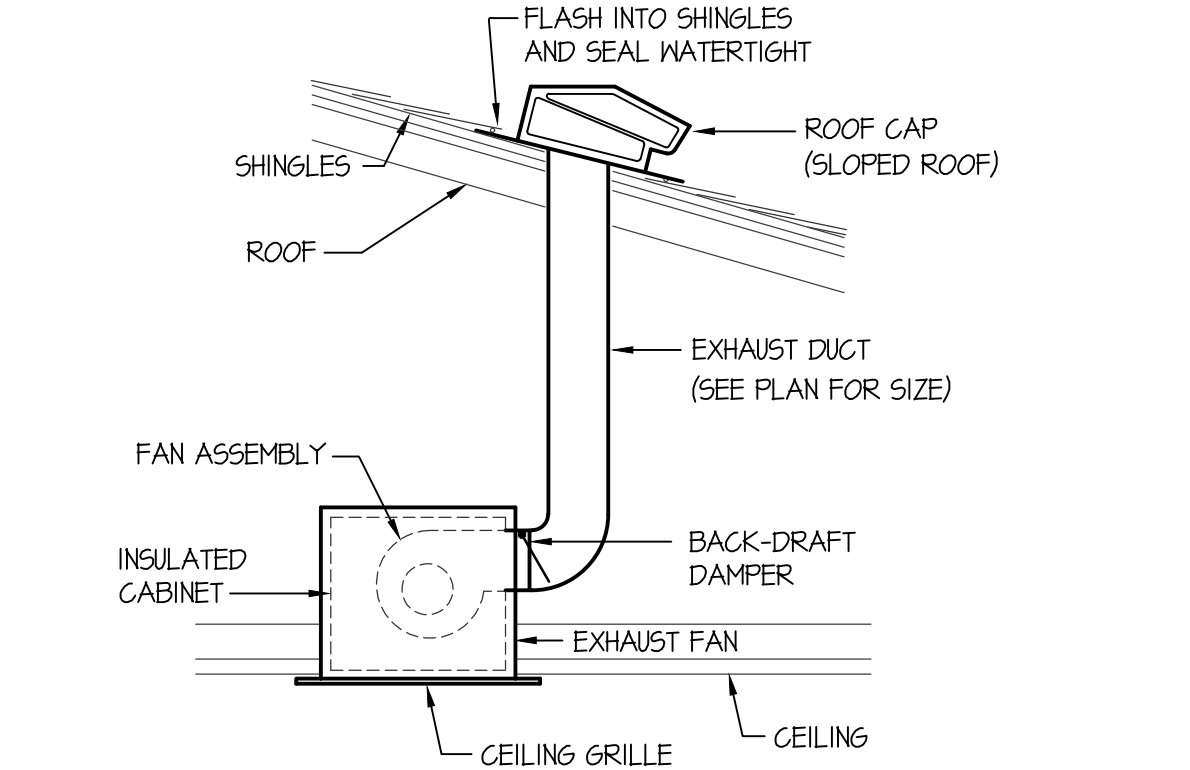
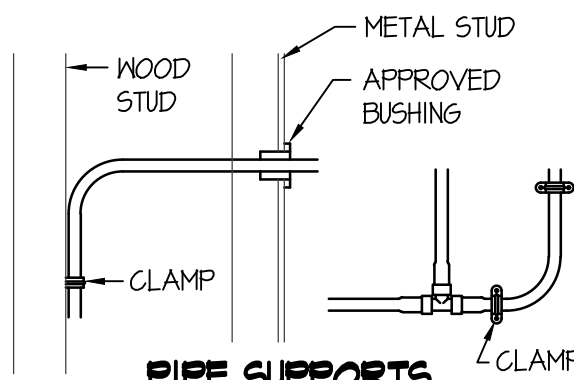
PEX PIPE INSTALLATION DETAILS

NO SCALE

VERTICAL TUBING TO BE SUPPORTED EVERY 8'-0"

WHEN PENETRATING METAL STUDS, UTILIZE A BUSHING DESIGNED FOR PLASTIC TUBING.

SUPPORTS SHALL BE INSTALLED AT CHANGES IN DIRECTION TO RELIEVE STRESS AS SHOWN.

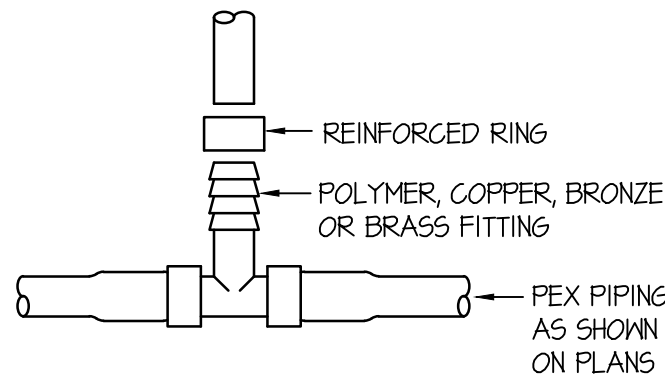


CEILING MOUNTED EXHAUST FAN DETAIL

NO SCALE

THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF THE PIPE, IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.

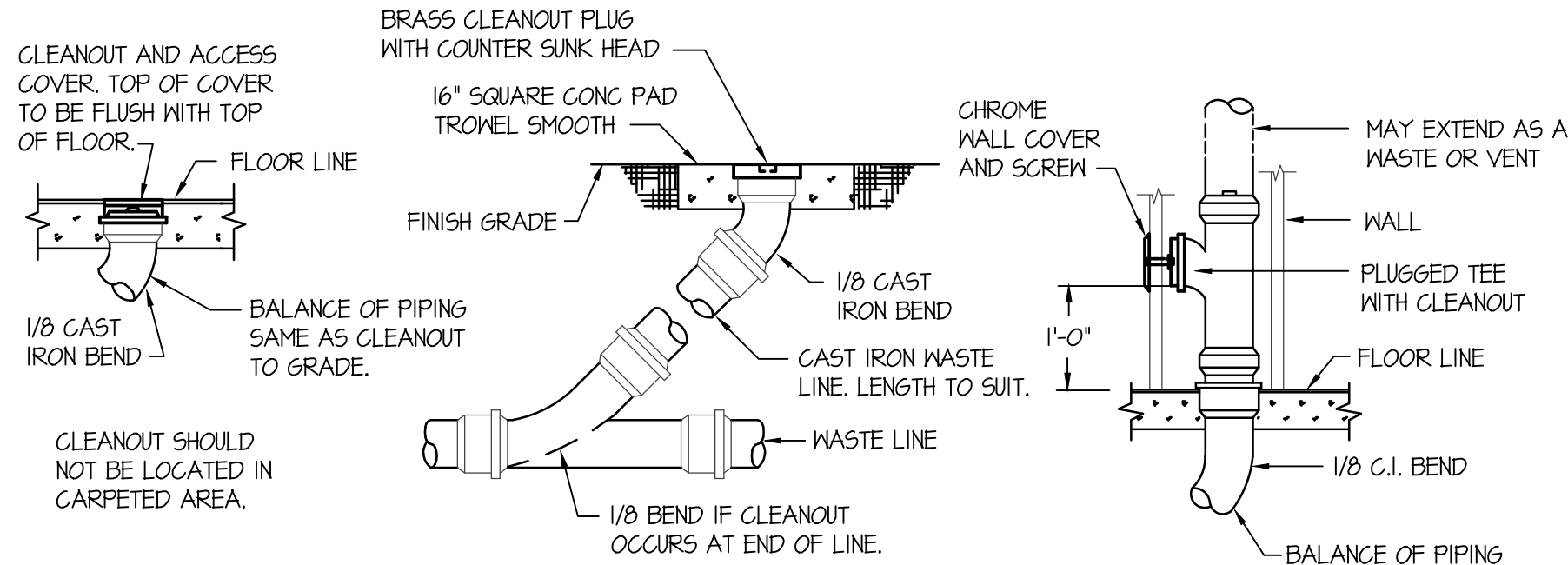
ALL JOINTS (TEES, ELBOWS, COUPLINGS, ETC.) ARE JOINTED SIMILARLY.



NOTE: STAINLESS STEEL CAMP BANDS ARE ALSO PERMITTED FOR REINFORCING RING.

PEX PIPE FITTING DETAILS

NO SCALE



FLOOR CLEANOUT (FCO)

CLEANOUT TO GRADE (COTG)

WALL CLEANOUT (WCO)

CLEAN OUT DETAILS

NO SCALE

EXHAUST FAN SCHEDULE

SYM.	TYPE	G.F.M.	S.P.E.	WATTS	CHAR.	R.P.M.	CONTROL	REMARKS
EF-1	CEILING MOUNTED	300	.25	212	120/60/1	940	SEE ELEC.	TWIN CITY T300 WITH BACKDRAFT DAMPER.
EF-2	CEILING MOUNTED	300	.25	212	120/60/1	940	SEE ELEC.	TWIN CITY T300 WITH BACKDRAFT DAMPER. 8"Ø EXHAUST DUCT TO SLOPED ROOF CAP.

FIXTURE SCHEDULE

SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
FD-1	2" FLOOR DRAIN - ZURN Z-415B WITH 5"Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP. SEE DETAIL ON THIS SHEET.	---	---	2"	2"
WC-1	WATER CLOSET - KOHLER K-4368 "WELLCOMME" WITH ELONGATED BOWL, K-4670-C OPEN FRONT SEAT, SLOAN REGAL 113-16XC FLUSH VALVE, AND CHINA BOLT CAPS.	---	1"	4"	2"
WC-2	ADA WATER CLOSET - KOHLER K-96051 "HIGHCLIFF" WITH ELONGATED BOWL, K-4670-C OPEN FRONT SEAT, SLOAN REGAL 113-16XC FLUSH VALVE, AND CHINA BOLT CAPS.	---	1"	4"	2"
U-1	URINAL - KOHLER K-4991-ET "BARDON" WITH SLOAN REGAL 186-05XC FLUSH VALVE, AND WALL CARRIER.	---	3/4"	2"	2"
FD-1	2" FLOOR DRAIN - ZURN Z-415 WITH 5"Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP, ZURN 1022 TRAP PRIMER.	---	---	2"	2"
FD-2	2" FLOOR DRAIN - REPLACE COLLIER & STRAINER TO MATCH EXISTING.	---	---	2"	2"
L-1	ADA LAVATORY - CUSTOM COUNTER LAVATORY WITH K-15199-NDRA-CP LEVER HANDLE FAUCET, K-TT15 OPEN GRID STRAINER, 1/2" STOPS AND 1-1/4" P-TRAP. PROVIDE INSULATING JACKET ON HN AND WASTE PIPING	1/2"	1/2"	1-1/2"	1-1/2"
SH-1	SHOWER HEAD -ZURN AQUA-PANEL ZT500, STAINLESS STEEL BALANCING PISTON & BOTTOM ACCESS INTEGRAL SERVICE STOPS, WITH SIDE MOUNT SOAP DISH AND TC OPTION SURROUND SHROUD TO CEILING.	1/2"	1/2"	1-1/2"	1-1/2"
SH-2	ADA SHOWER HEAD -ZURN AQUA-PANEL ZT500-HM, STAINLESS STEEL BALANCING PISTON & BOTTOM ACCESS INTEGRAL SERVICE STOPS, WITH SIDE MOUNT SOAP DISH AND TC OPTION SURROUND SHROUD TO CEILING.	1/2"	1/2"	1-1/2"	1-1/2"
MV-1	MIXING VALVE - POWERS LM-491-10 MIXING VALVE	3/4"	---	---	---

GRILLE AND REGISTER SCHEDULE

SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	BALANCING DAMPER	FIRE DAMPER	REMARKS
P-1 CFM	CEILING	4x4	170	⬇	STEEL	WHITE	NA	NA	PRICE MODEL SMD IN BEVELED FRAME

GRILLE AND REGISTER SCHEDULE

SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	BRANCH DUCT	F.D.	O.B.	REMARKS
RC-1	ROOF CAP	-	200	ALUM	-	8"	NA	NA	TWIN CITY MODEL 634P WITH INSECT SCREEN

DPW PROJECT NO. 18-066

DEPARTMENT OF CORRECTIONS
COMMUNITY REENTRY CENTER
IDAHO FALLS, IDAHO

PROJECT:

REVISIONS

PROJECT NO.
17064
DATE:
APR. 2018
DRAWN BY:
T DAVIS
CHECKED BY:
D SUDWEEKS

DRAWING NO.:

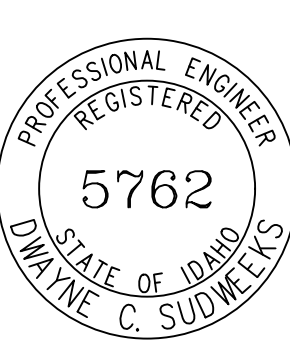
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DETAILS & SCHEDULES

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DATE ORIGINAL SIGNED: Apr 18, 2018
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
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MP2.1