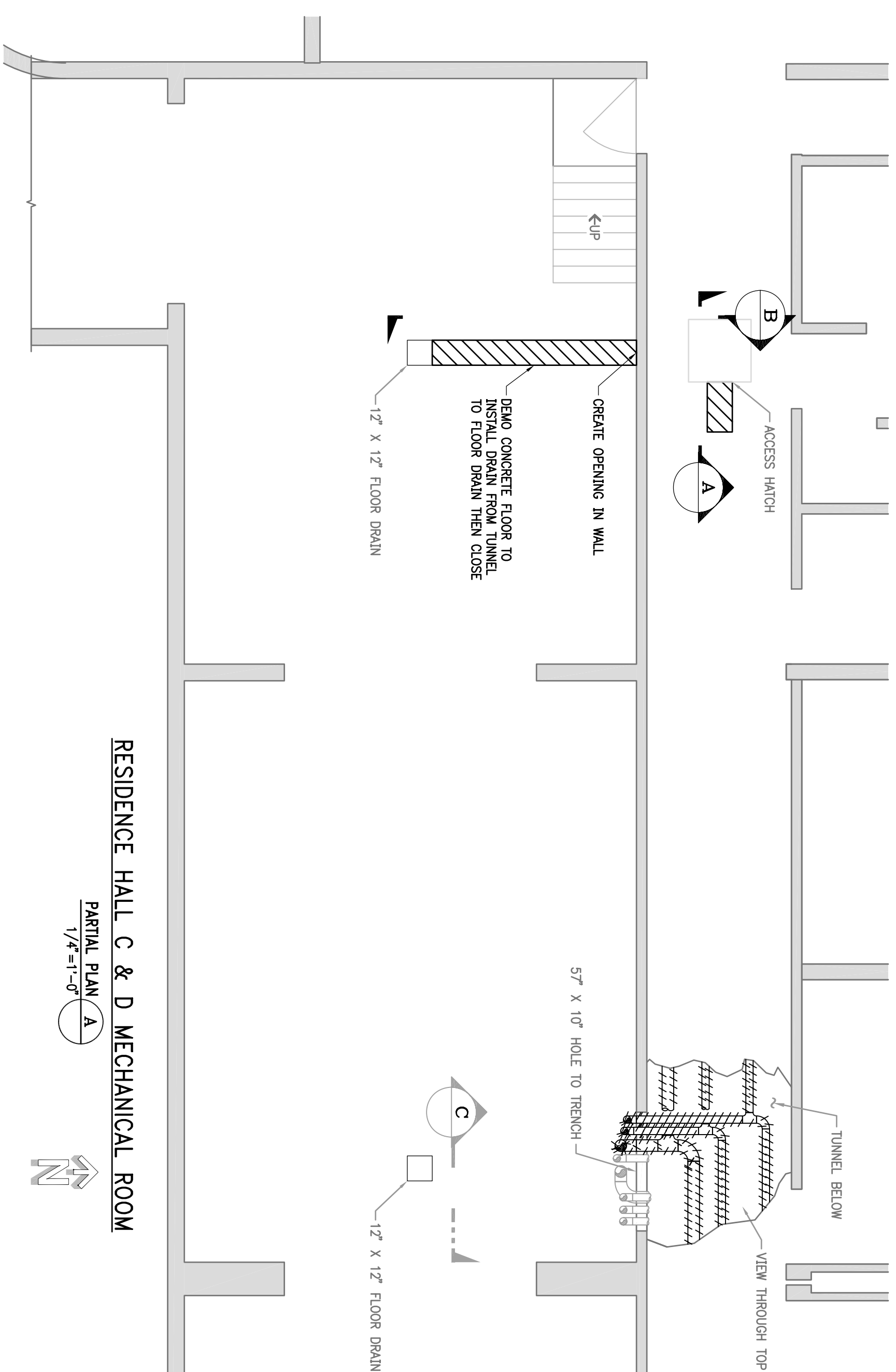


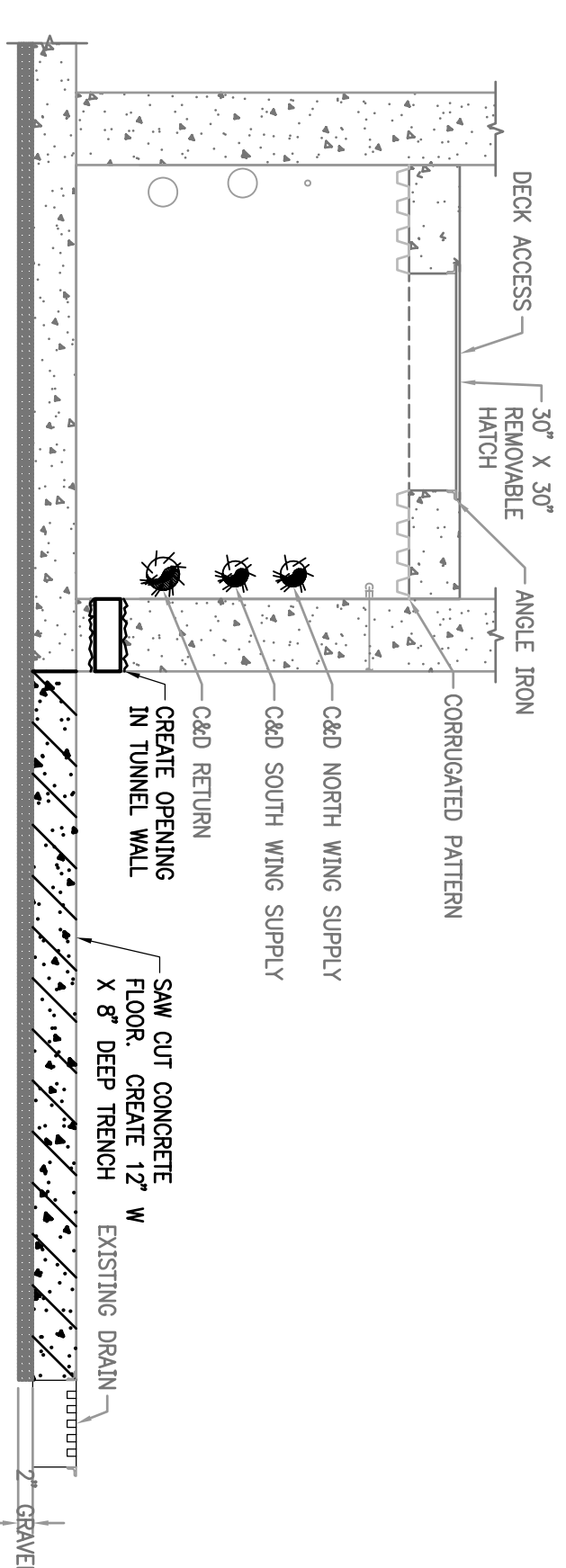
## RESIDENCE HALLS C&amp;D/UTILITY TUNNEL

PLAN A



## UTILITY TUNNEL

SECTION B  
1/2" = 1'-0"



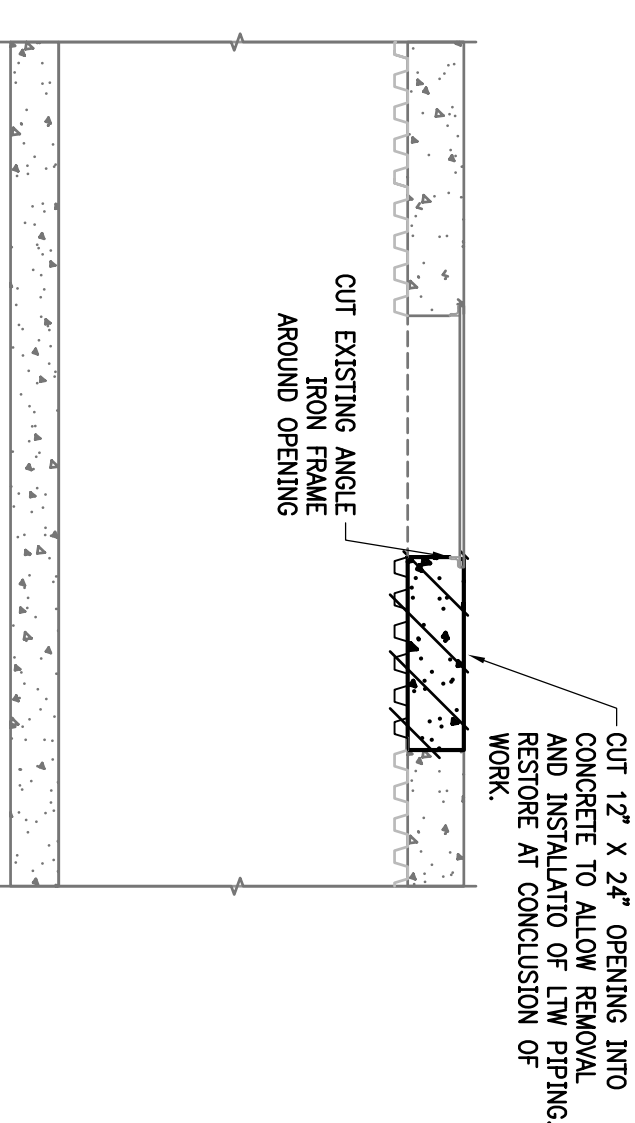
RESIDENCE HALL C & D MECHANICAL ROOM

PARTIAL PLAN A

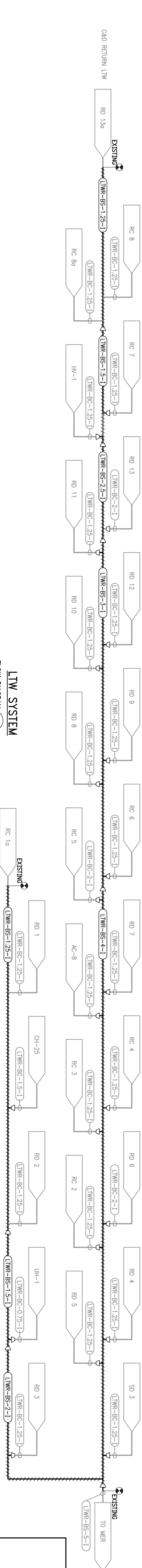
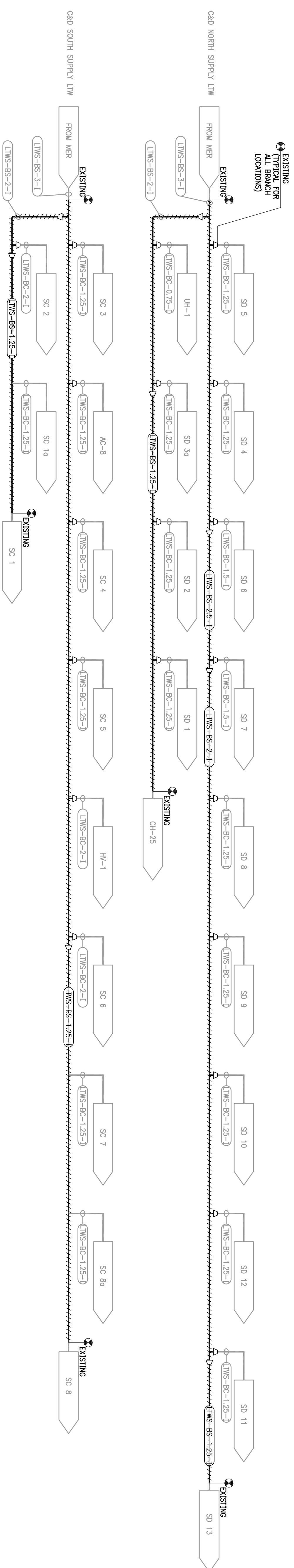


## UTILITY TUNNEL HATCH EXTENSION

SECTION A  
1/2"=1'-0"




1. LENGTH OF MAINS, ASSUME 4' OF 5" PIPE, 120' OF 4" PIPE, 400' OF 3" PIPE, 20' OF 2" PIPE, 250' OF 1" PIPE, 16' OF 1/2" PIPE, 110' OF 1/4" PIPE.
2. LIMITS OF WORK, INCLUDES MAINS IN TUNNEL UP TO BRANCH/CONNECTIONS.
3. ELEVATION OF THE MECHANICAL EQUIPMENT ROOM FLOOR AND TUNNEL FLOOR ARE THE SAME.
4. ELEVATION OF THE TUNNEL CEILING AND BASEMENT HALLWAY FLOOR ARE THE SAME.

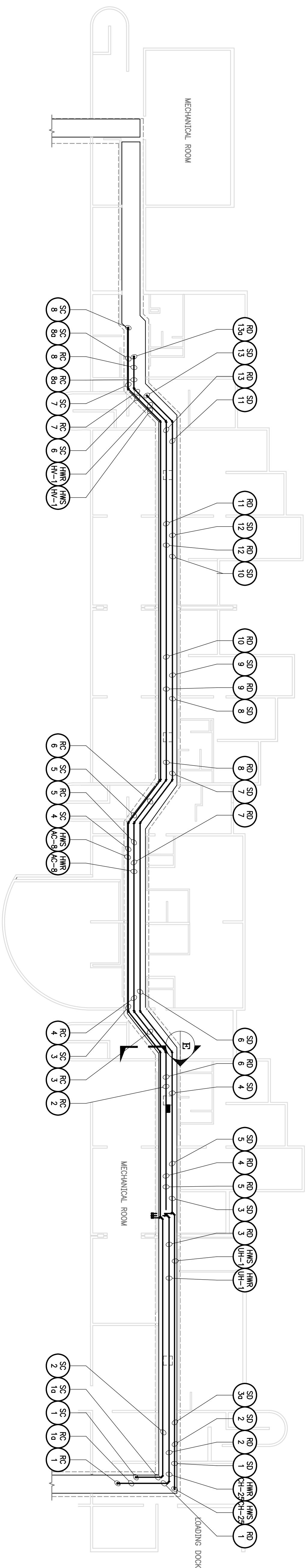


## LTW SYSTEM



DO NOT SCALE DRAWING

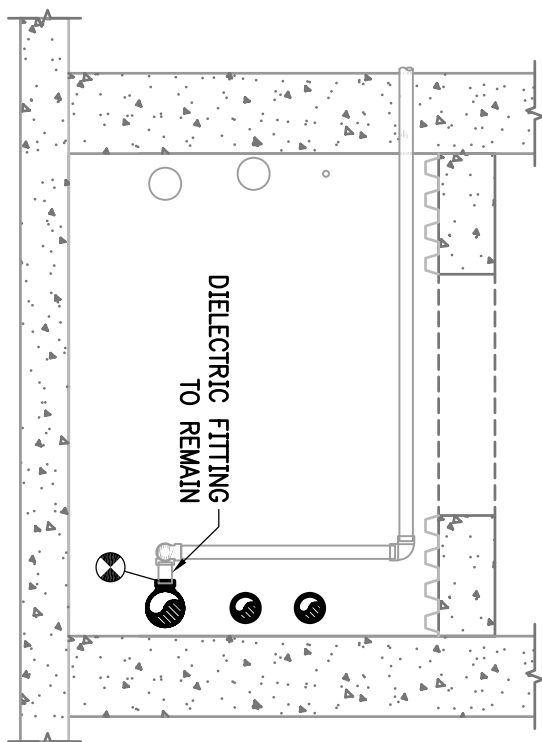
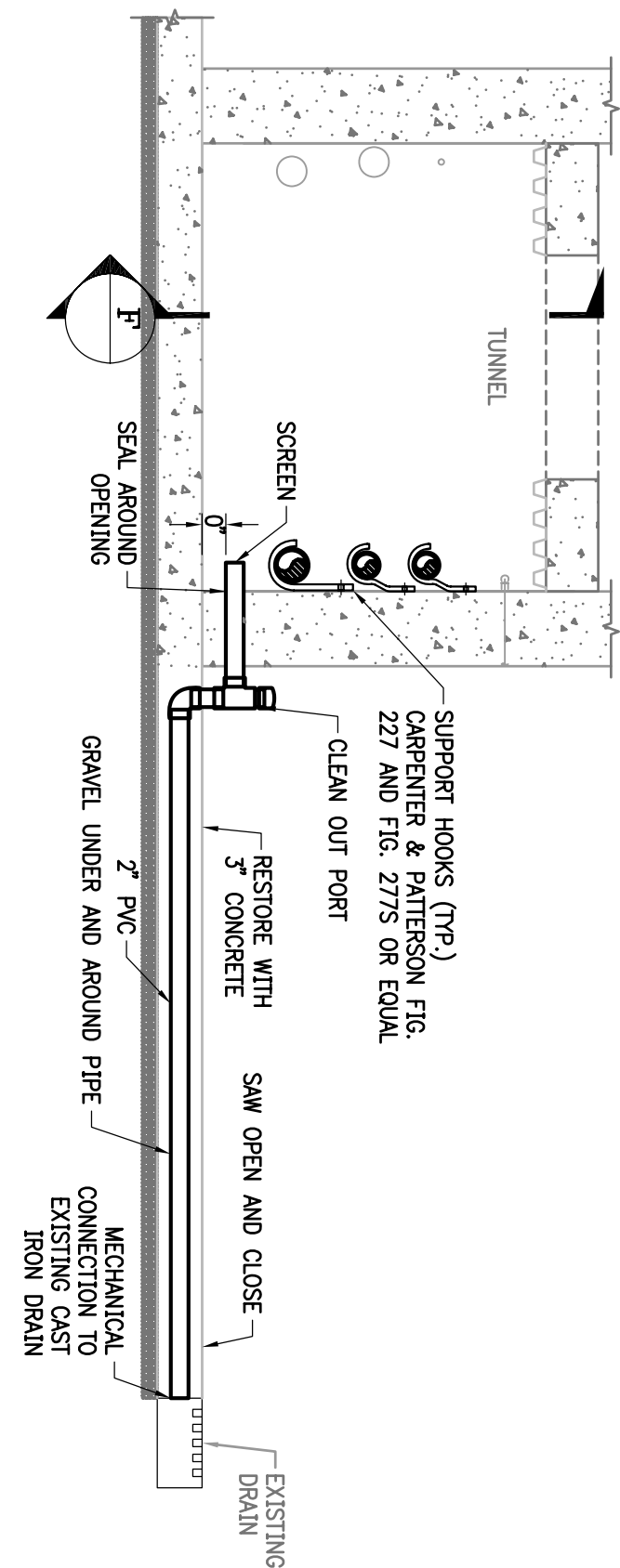
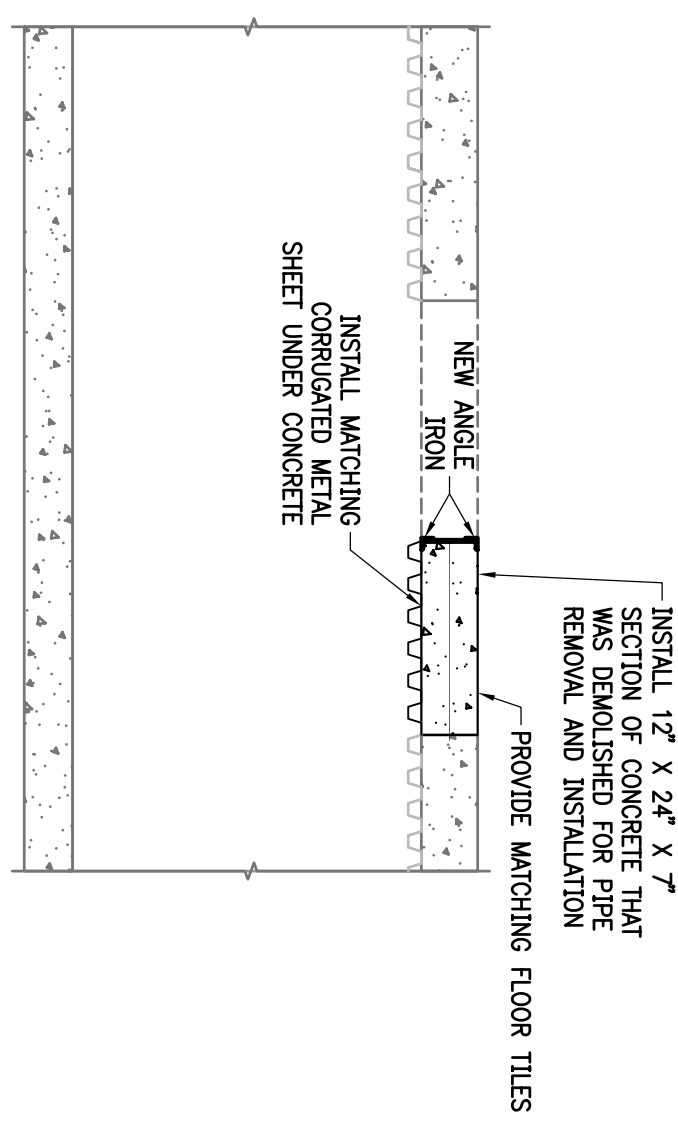
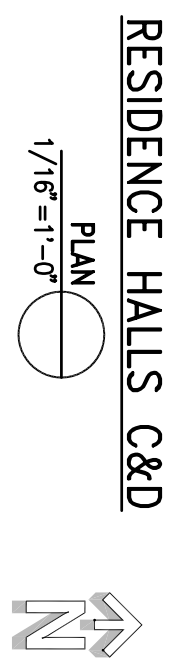
 <b>Purdue College</b> STATE UNIVERSITY OF NEW YORK	
<b>SCHUYLER ENGINEERING, P. C.</b> 715 Amsterdam Hill Rd Purchase, NY 10577	
RESIDENCE HALLS ZONES C & D REPLACE LNW PIRING DEMOLITION	
SCALE AS NOTED 1/4" = 1'-0" 1/8" = 1'-0" 1/16" = 1'-0" 1/32" = 1'-0" 1/64" = 1'-0" 1/128" = 1'-0" 1/256" = 1'-0" 1/512" = 1'-0" 1/1024" = 1'-0" 1/2048" = 1'-0" 1/4096" = 1'-0" 1/8192" = 1'-0" 1/16384" = 1'-0" 1/32768" = 1'-0" 1/65536" = 1'-0" 1/131072" = 1'-0" 1/262144" = 1'-0" 1/524288" = 1'-0" 1/1048576" = 1'-0" 1/2097152" = 1'-0" 1/4194304" = 1'-0" 1/8388608" = 1'-0" 1/16777216" = 1'-0" 1/33554432" = 1'-0" 1/67108864" = 1'-0" 1/134217728" = 1'-0" 1/268435456" = 1'-0" 1/536870912" = 1'-0" 1/1073741824" = 1'-0" 1/2147483648" = 1'-0" 1/4294967296" = 1'-0" 1/8589934592" = 1'-0" 1/17179869184" = 1'-0" 1/34359738368" = 1'-0" 1/68719476736" = 1'-0" 1/137438953472" = 1'-0" 1/274877906944" = 1'-0" 1/549755813888" = 1'-0" 1/1099511627776" = 1'-0" 1/2199023255552" = 1'-0" 1/4398046511104" = 1'-0" 1/8796093022208" = 1'-0" 1/17592186044416" = 1'-0" 1/35184372088832" = 1'-0" 1/70368744177664" = 1'-0" 1/140737488355328" = 1'-0" 1/281474976710656" = 1'-0" 1/562949953421312" = 1'-0" 1/1125899906842624" = 1'-0" 1/2251799813685248" = 1'-0" 1/4503599627370496" = 1'-0" 1/9007199254740992" = 1'-0" 1/18014398509481984" = 1'-0" 1/36028797018963968" = 1'-0" 1/72057594037927936" = 1'-0" 1/144115188075855872" = 1'-0" 1/288230376151711744" = 1'-0" 1/576460752303423488" = 1'-0" 1/1152921504606846976" = 1'-0" 1/2305843009213693952" = 1'-0" 1/4611686018427387904" = 1'-0" 1/9223372036854775808" = 1'-0" 1/18446744073709551616" = 1'-0" 1/36893488147419103232" = 1'-0" 1/73786976294838206464" = 1'-0" 1/147573952589676412928" = 1'-0" 1/295147905179352825856" = 1'-0" 1/590295810358705651712" = 1'-0" 1/1180591620717411303424" = 1'-0" 1/2361183241434822606848" = 1'-0" 1/4722366482869645213696" = 1'-0" 1/9444732965739290427392" = 1'-0" 1/18889465931478580854784" = 1'-0" 1/37778931862957161709568" = 1'-0" 1/75557863725914323419136" = 1'-0" 1/151115727451828646838272" = 1'-0" 1/302231454903657293676544" = 1'-0" 1/604462909807314587353088" = 1'-0" 1/1208925819614629174706176" = 1'-0" 1/2417851639229258349412352" = 1'-0" 1/4835703278458516698824704" = 1'-0" 1/9671406556917033397649408" = 1'-0" 1/19342813113834066795298816" = 1'-0" 1/38685626227668133590597632" = 1'-0" 1/77371252455336267181195264" = 1'-0" 1/154742504910672534362390528" = 1'-0" 1/309485009821345068724781056" = 1'-0" 1/618970019642690137449562112" = 1'-0" 1/1237940039285380274899124224" = 1'-0" 1/2475880078570760549798248448" = 1'-0" 1/4951760157141521099596496896" = 1'-0" 1/9903520314283042199192993792" = 1'-0" 1/19807040628566084398385987584" = 1'-0" 1/39614081257132168796771975168" = 1'-0" 1/79228162514264337593543950336" = 1'-0" 1/158456325028528675187087900672" = 1'-0" 1/316912650057057350374175801344" = 1'-0" 1/633825300114114700748351602688" = 1'-0" 1/1267650600228229401496703205376" = 1'-0" 1/2535301200456458802993406410752" = 1'-0" 1/5070602400912917605986812821504" = 1'-0" 1/10141204801825835211973625643008" = 1'-0" 1/20282409603651670423947251286016" = 1'-0" 1/40564819207303340847894502572032" = 1'-0" 1/81129638414606681695789005144064" = 1'-0" 1/162259276829213363391778010288128" = 1'-0" 1/324518553658426726783556020576256" = 1'-0" 1/649037107316853453567112041152512" = 1'-0" 1/1298074214633706907134224082305024" = 1'-0" 1/2596148429267413814268448164610048" = 1'-0" 1/5192296858534827628536896329220096" = 1'-0" 1/10384593717069655257073792658440192" = 1'-0" 1/20769187434139310514147585316880384" = 1'-0" 1/41538374868278621028295170633760768" = 1'-0" 1/83076749736557242056590341267521536" = 1'-0" 1/16615349947311448411318068253504288" = 1'-0" 1/33230699894622896822636136507008576" = 1'-0" 1/66461399789245793645272273014017152" = 1'-0" 1/13292279957849158729054454602803424" = 1'-0"	
PROJECT NO. 100 DATE JULY 5, 2012	REVISIONS M-01 A

[illegible]

NOTES:

1. RUNOUT REFERS TO PIPING THAT IS LESS THAN 6' LONG AND CONNECTED DIRECTLY TO FITURES
2. THIS INSULATION TABLE APPLIES TO ALL PIPING
3. REFER TO SPECIFICATION 22 07 00 FOR INSULATION AND SPECIFICATION 23 22 13 FOR PIPING.

PIPING AND INSULATION SCHEDULE		REV. DATE	BY



## UTILITY TUNNEL HATCH CONCRETE INSTALLATION

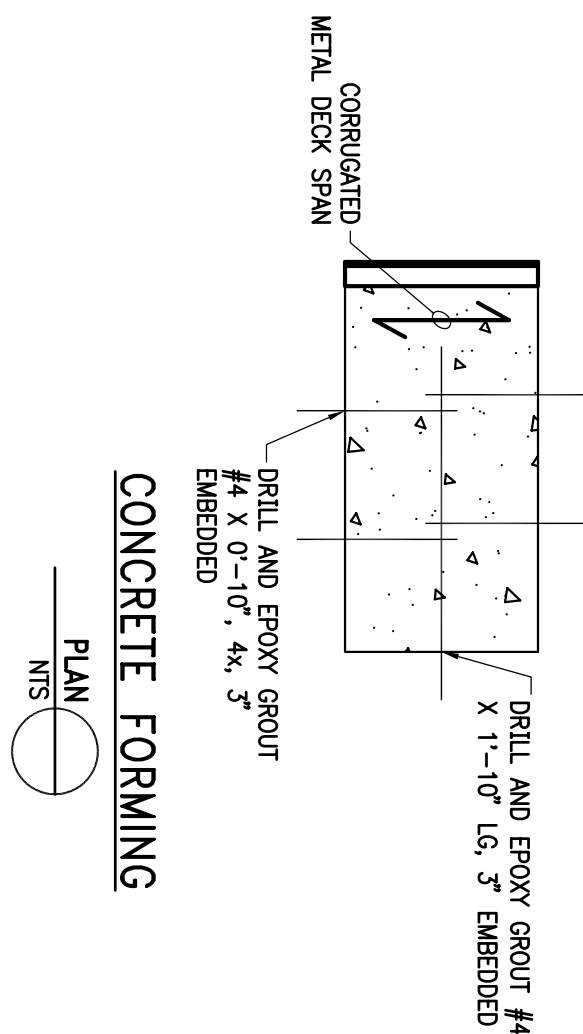
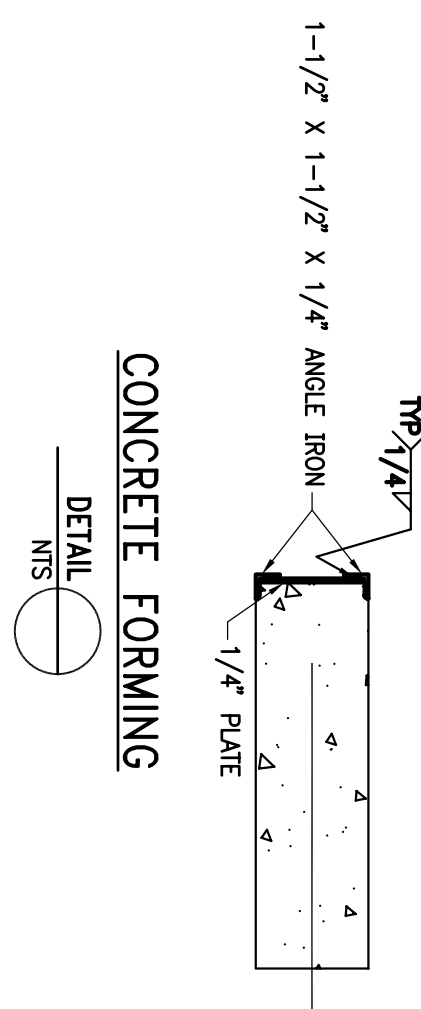
$$\frac{1}{2} = 1 - 0$$

## UTILITY TUNNEL DRAIN

$$\frac{1}{1 - \alpha} = 1 - \alpha^*$$

UTILITY TUNNEL-LTW TAKE OFF (TYP.)

SECTION  
1"=1'-0"

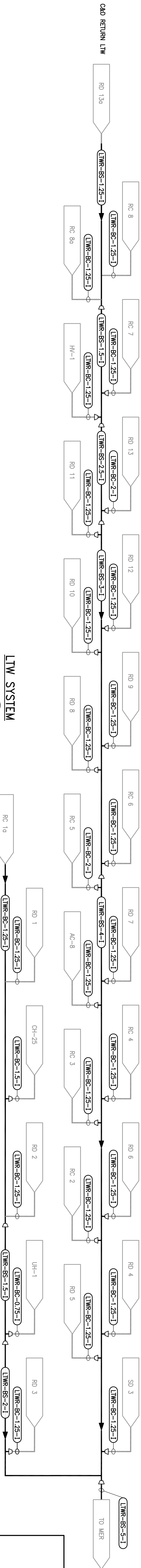
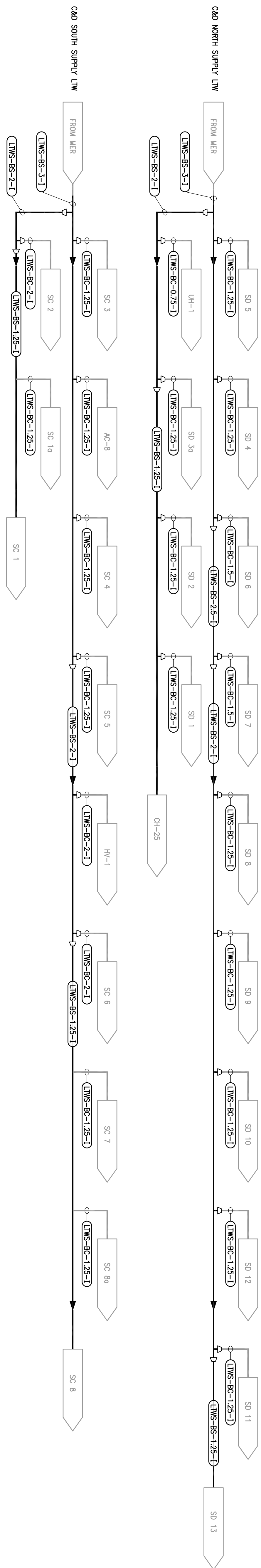


## CONCRETE FORMING



NTS

## CONCRETE FORMING

NTS



DO NOT SCALE DRAWING

		<b>Purchase College</b> STATE UNIVERSITY OF NEW YORK PURCHASE 715 Anderson Hill Rd Purchase, NY 10577	
		<b>SCHUYLER ENGINEERING, P.C.</b>	
RESIDENCE HALLS ZONES C & D REPLACE LTM PIPING			
<b>LOW TEMPERATURE WATER INSTALLATION</b>			
SOLE AGENT	PROJECT	DRAWING NUMBER	REVISION
AS NOTED	NO.	M-02	A
DESIGN DATE	08/23		
CHECKED BY	DATE		
E. Schuyler	July 5, 2012		