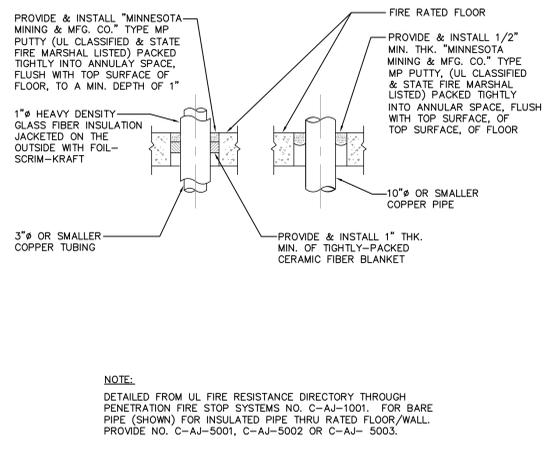
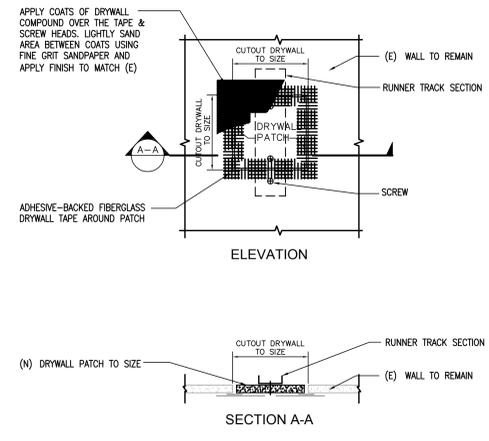


three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

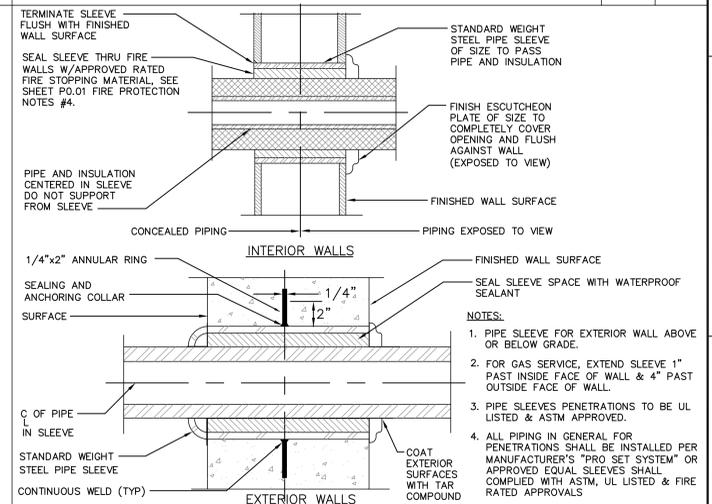


NOTE:
 DETAILED FROM UL FIRE RESISTANCE DIRECTORY THROUGH PENETRATION FIRE STOP SYSTEMS NO. C-AJ-1001 FOR BARE PIPE (SHOWN) FOR INSULATED PIPE THRU RATED FLOOR/WALL. PROVIDE NO. C-AJ-5001, C-AJ-5002 OR C-AJ-5003.

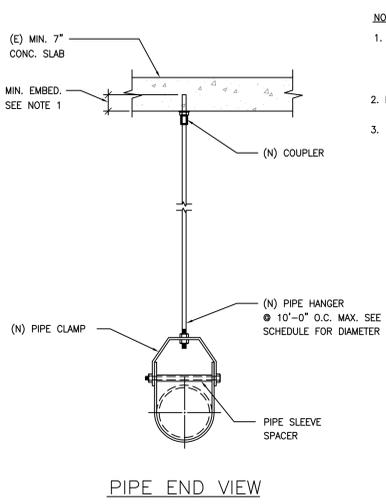
NOT TO SCALE 9 7 5 3



WALL PATCH DETAIL



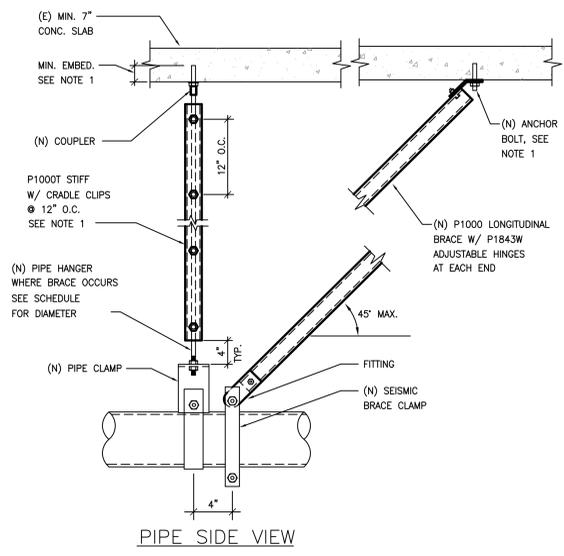
PIPE SLEEVES THROUGH WALL



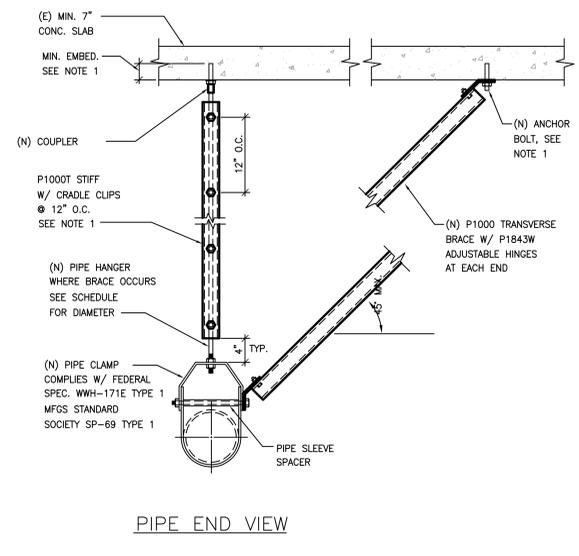
NOTE:

- FOR 4" TO 6" PIPES USE ~0" HILTI KBII A.B. W/ 5" MIN. EMBEDMENT (CBO# 4627). FOR 2-8" AND 3" PIPES USE ~8" HILTI KBII A.B. W/ 4" MIN. EMBEDMENT (CBO# 4627). FOR 1" TO 2" PIPES USE ~6" HILTI KBII A.B. W/ 3" MIN. EMBEDMENT (CBO# 4627).
- PROVIDE NEW HANGER WHERE SPACING OF EXISTING HANGERS EXCEED 10'-0".
- ALL WORK SHALL BE DONE PER NFPA REQUIREMENTS.

1"	3/8"
1 1/2"	3/8"
2"	3/8"
2 1/2"	1/2"
3"	1/2"
4"	5/8"
5"	5/8"
6"	5/8"



UTILITY PIPE SEISMIC BRACING DETAIL



NOTE:

- USE STIFFENER AS SHOWN WHEN ROD EXCEEDS Lmax. Lmax. = 31.25" FOR ~0" ROD. Lmax. = 25.00" FOR ~8" ROD.
- MAX. BRACE SPACING IS FOR PIPES OF DUCTILE MATERIALS, THE BRACE SPACING SHALL BE REDUCED TO ONE HALF (~8) WHERE PIPES ARE NOT OF DUCTILE MATERIALS.
- ALL WORK SHALL BE DONE PER NFPA REQUIREMENTS.

PIPE Ø	ANCHOR BOLT Ø	MAX. BRACE SPACING
2 1/2"	1/2"	40'-0"
3"	1/2"	40'-0"
4"	5/8"	20'-0"
5"	5/8"	20'-0"
6"	5/8"	20'-0"

100% CD SUBMITTAL	08/05/15	ARCHITECT/ENGINEERS/CONSULTANTS:				Drawing Title PLUMBING DETAILS		Project Title CORRECT POTABLE WATER DEFICIENCIES - BUILDING 256/257		Project Number 691-15-115-WL		Office of Facilities Management Department of Veterans Affairs		
				VA PROJECT ENGINEER (138E)		CHIEF, OCCUPATIONAL SAFETY AND HEALTH (130)		Building Number 256/257		Drawing Number P501				
		1000 E. Walnut Street, Suite 227, Pasadena, CA 91108 T: 888.900.3823 F: 626.463.2739 www.schwabeng.com Project No.: 0215.182.00		CHIEF, PROJECT SECTION (138E)		CHIEF, ENV. MANAGEMENT DEPT. (137)		Location VA MEDICAL CENTER WEST LOS ANGELES, CA 90073		Date APRIL 14, 2015			Checked WM	Drawn LC
Revisions:		Date		CHIEF, MAINT. & OPERATIONS OFFICE (138F)		DIR., FACILITIES MANAGEMENT (10A4)		Associate Director, Administration & Support Services (10A)		Dwg 20 of 20				