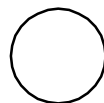
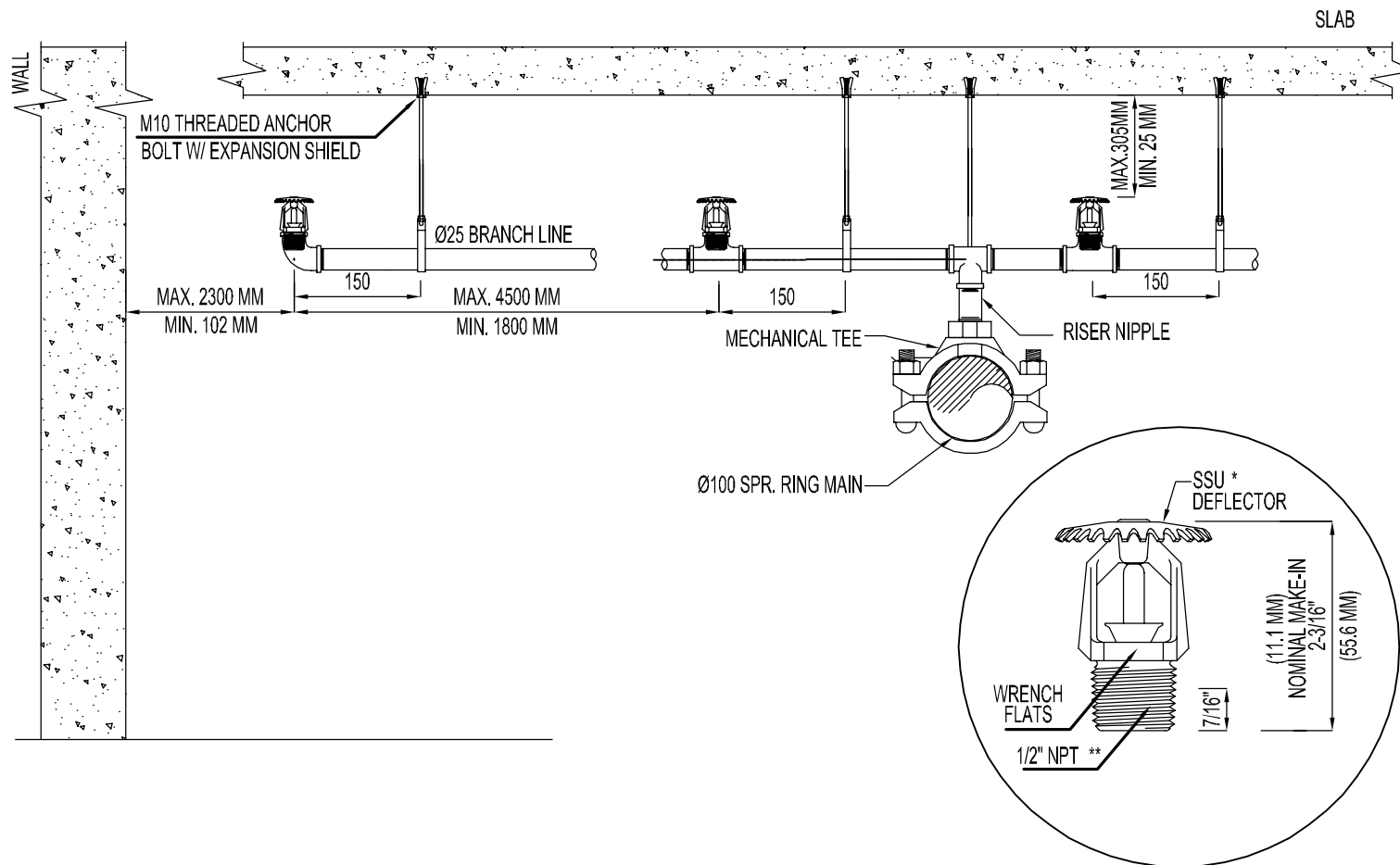


FIRE PROTECTION STANDARD DETAILS

Drawing Title COVER PAGE		
Rev	Date	Description
A	01/19/2009	

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			Standard Detail No. FP-00		Rev: A



TYPICAL DETAIL UPRIGHT SPRINKLER HEAD

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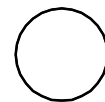
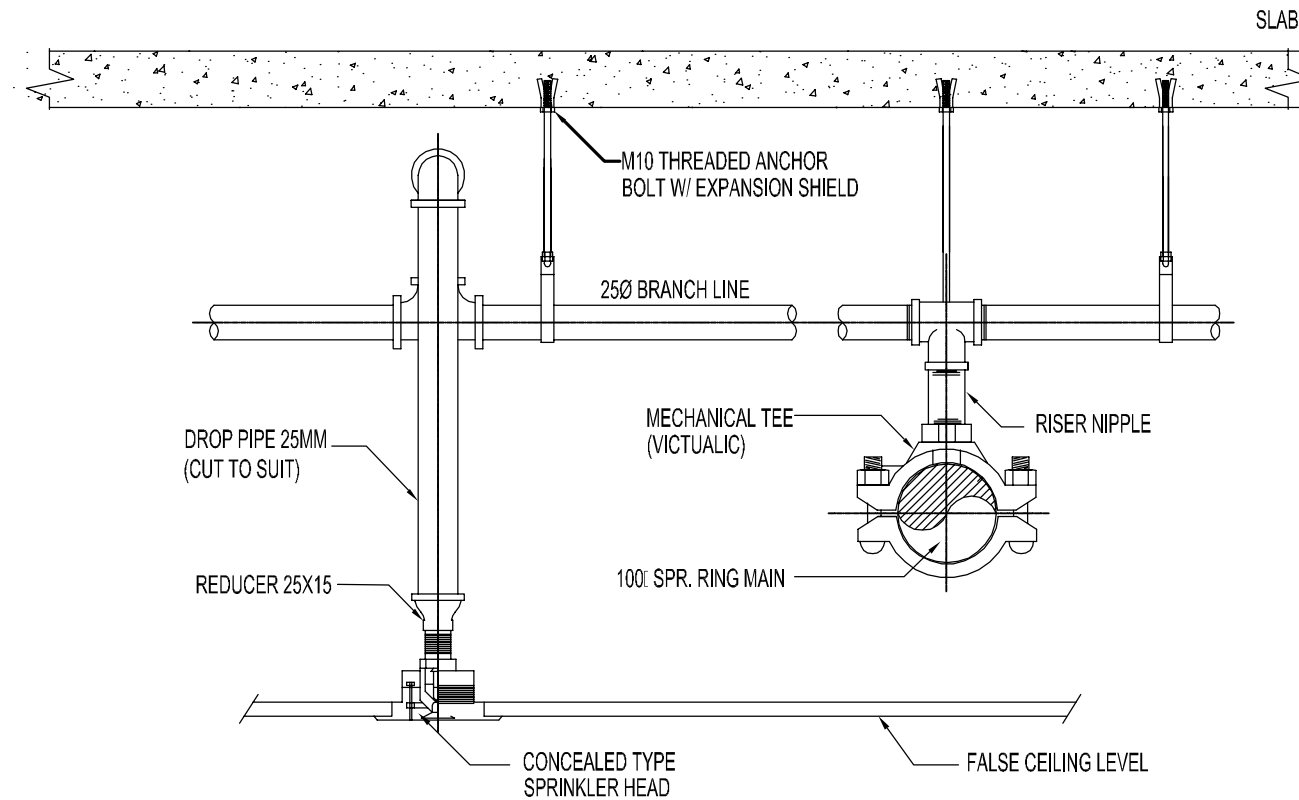
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TYPICAL DETAIL UPRIGHT SPRINKLER HEAD

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TYPICAL DETAIL OF CONCEALED TYPE SPRINKLER HEAD

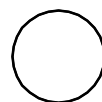
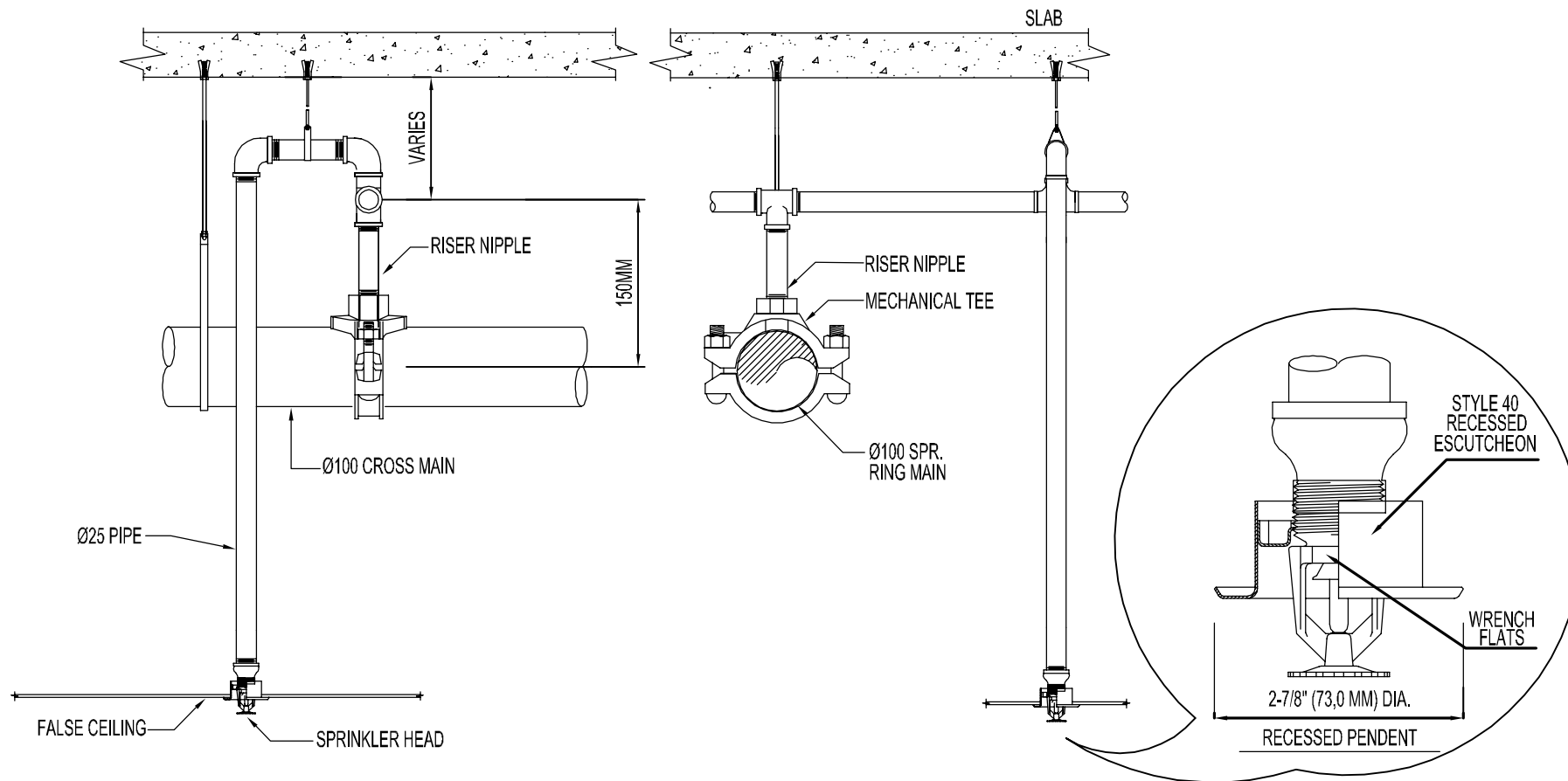
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Drawing Title		
TYPICAL DETAIL OF CONCEALED TYPE SPRINKLER HEAD		
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TYPICAL DETAIL RECESSED/PENDENT TYPE SPRINKLER HEAD

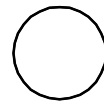
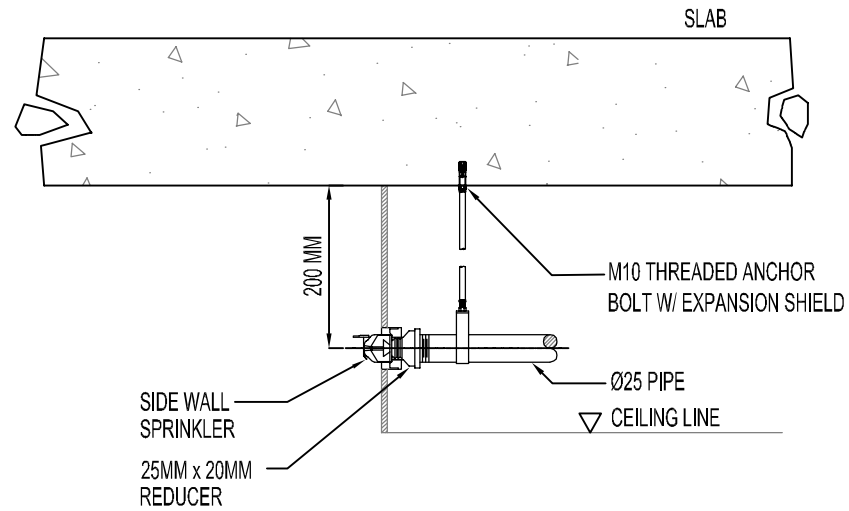
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Drawing Title		
TYPICAL DETAIL OF RECESSED/PENDENT TYPE SPRINKLER HEAD		
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Standard Detail No. FP-3		Rev: A



RECESSED SIDE WALL SPRINKLER HEAD DETAIL

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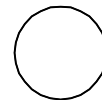
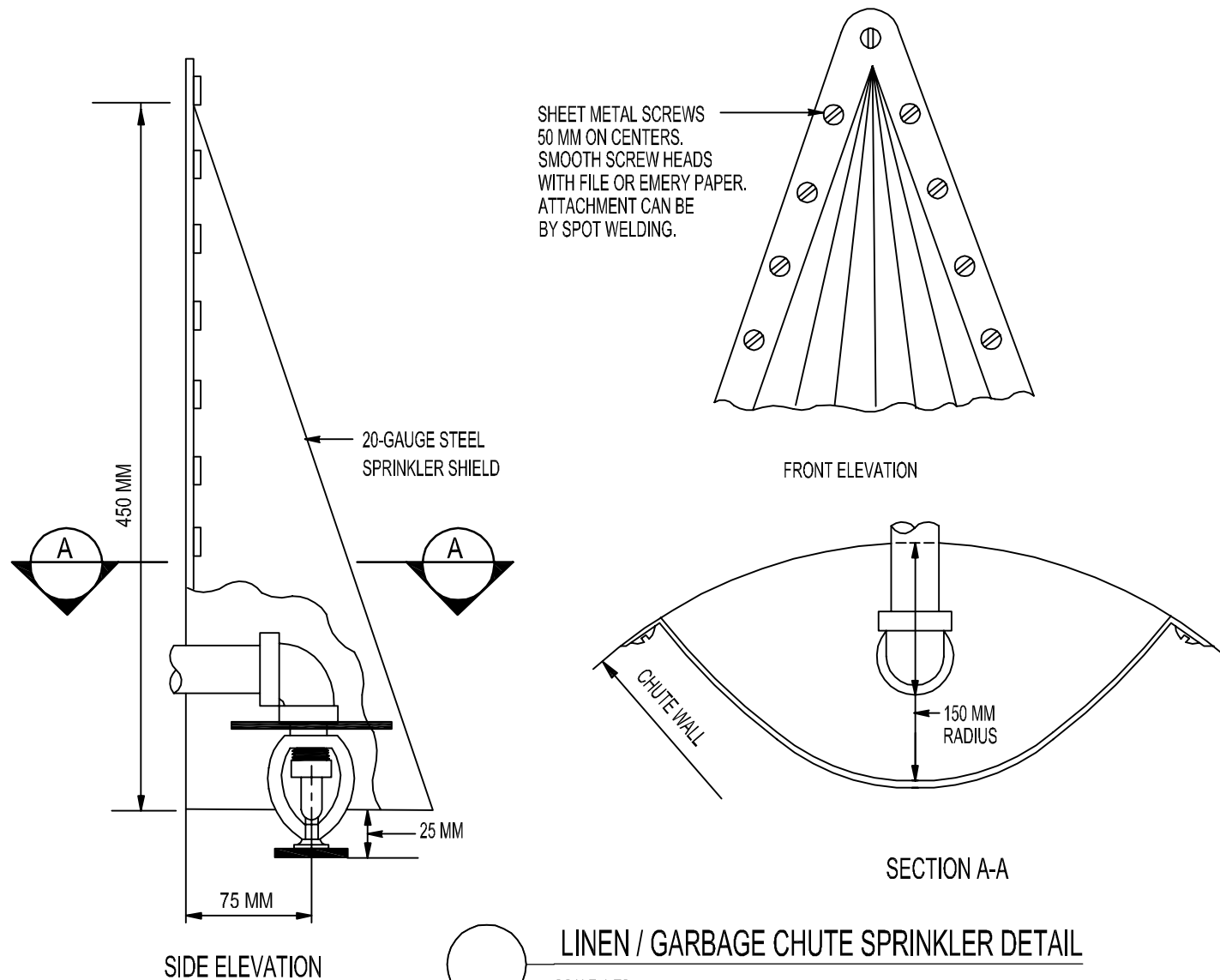
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RECESSED SIDE WALL SPRINKLER HEAD DETAIL

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LINEN / GARBAGE CHUTE SPRINKLER DETAIL

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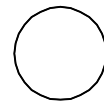
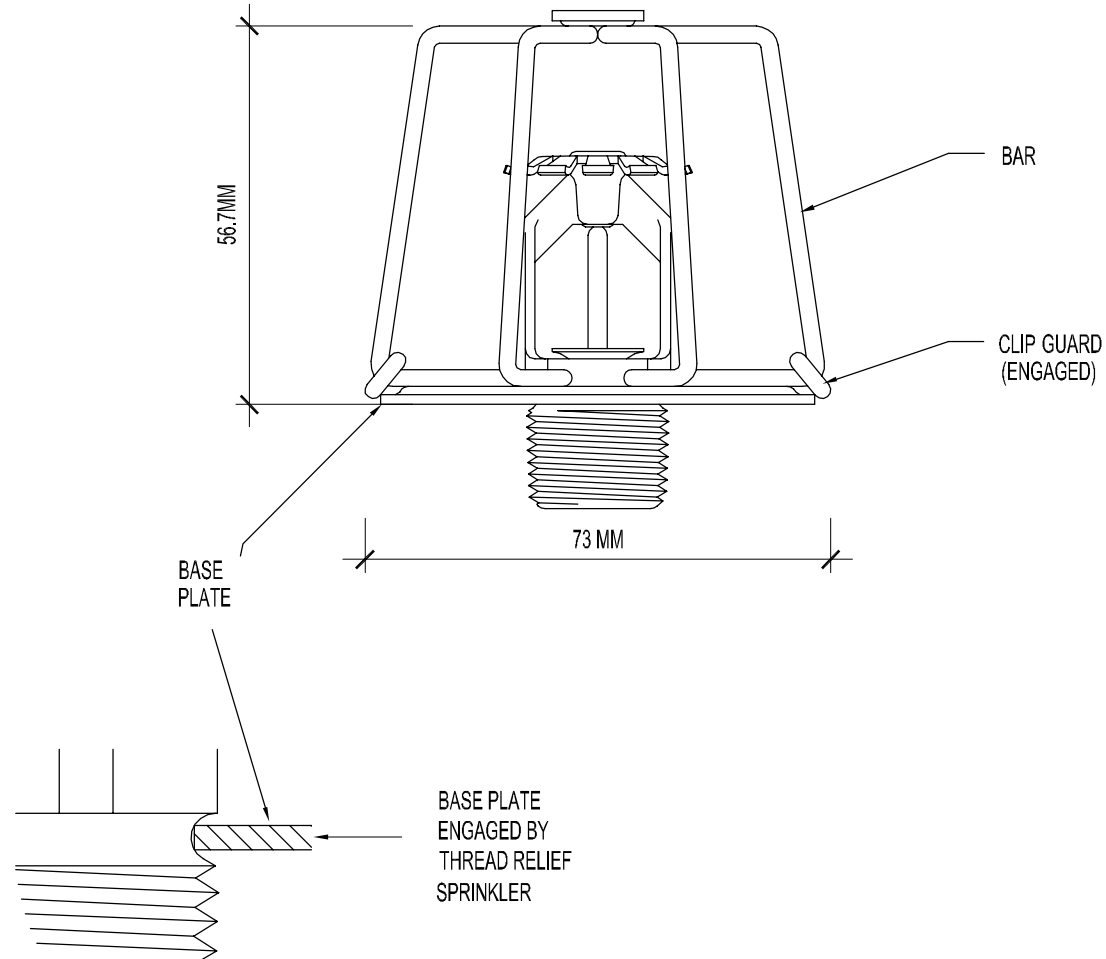
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SPRINKLER GUARD DETAIL

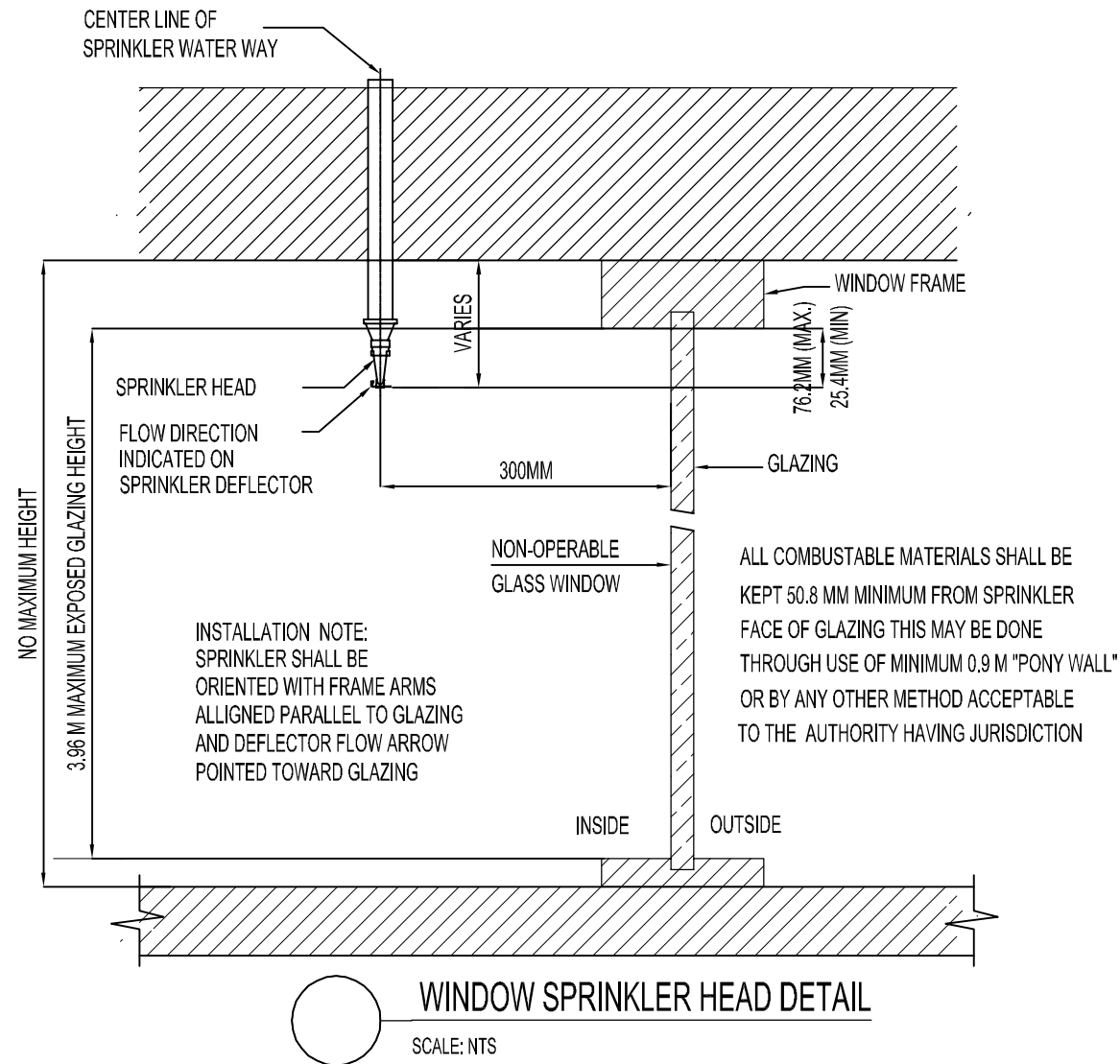
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Standard Detail No. FP-6		Rev: A



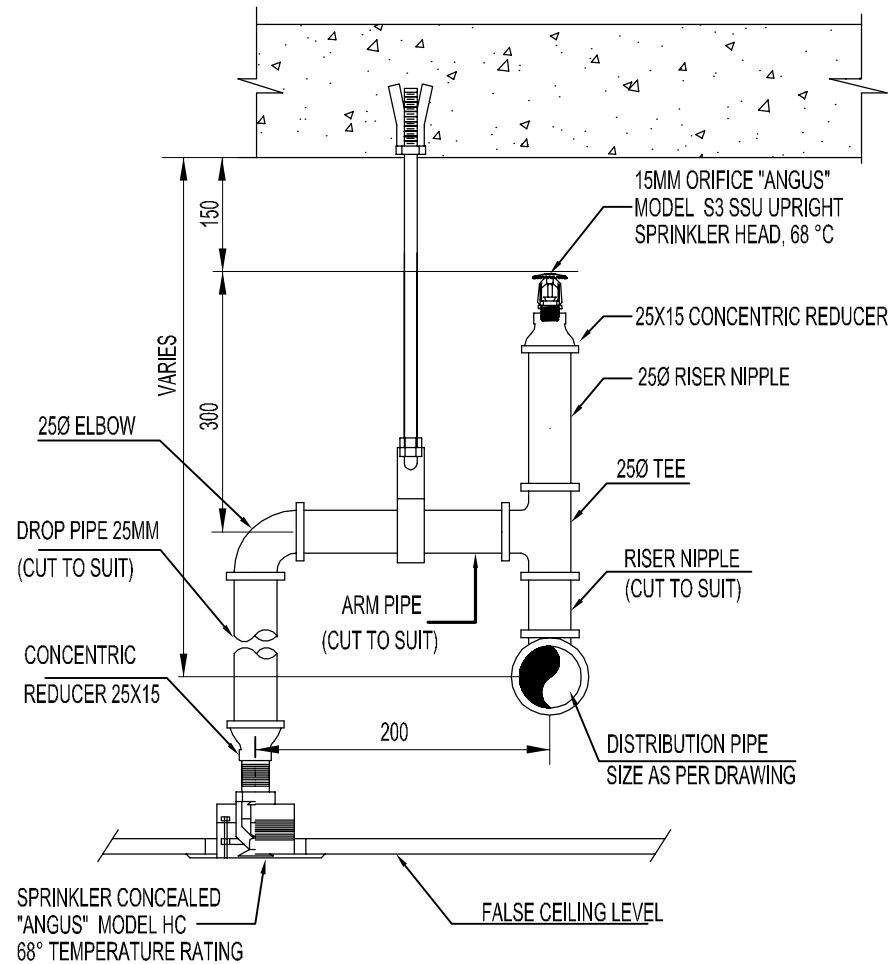
Drawing Title: WINDOW SPRINKLER HEAD DETAIL

Rev	Date	Description
A	01/22/2009	

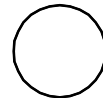
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SPRINKLER ABOVE & BELOW FALSE CEILING-INSTALLATION DETAIL (ON BRANCH)



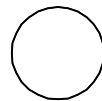
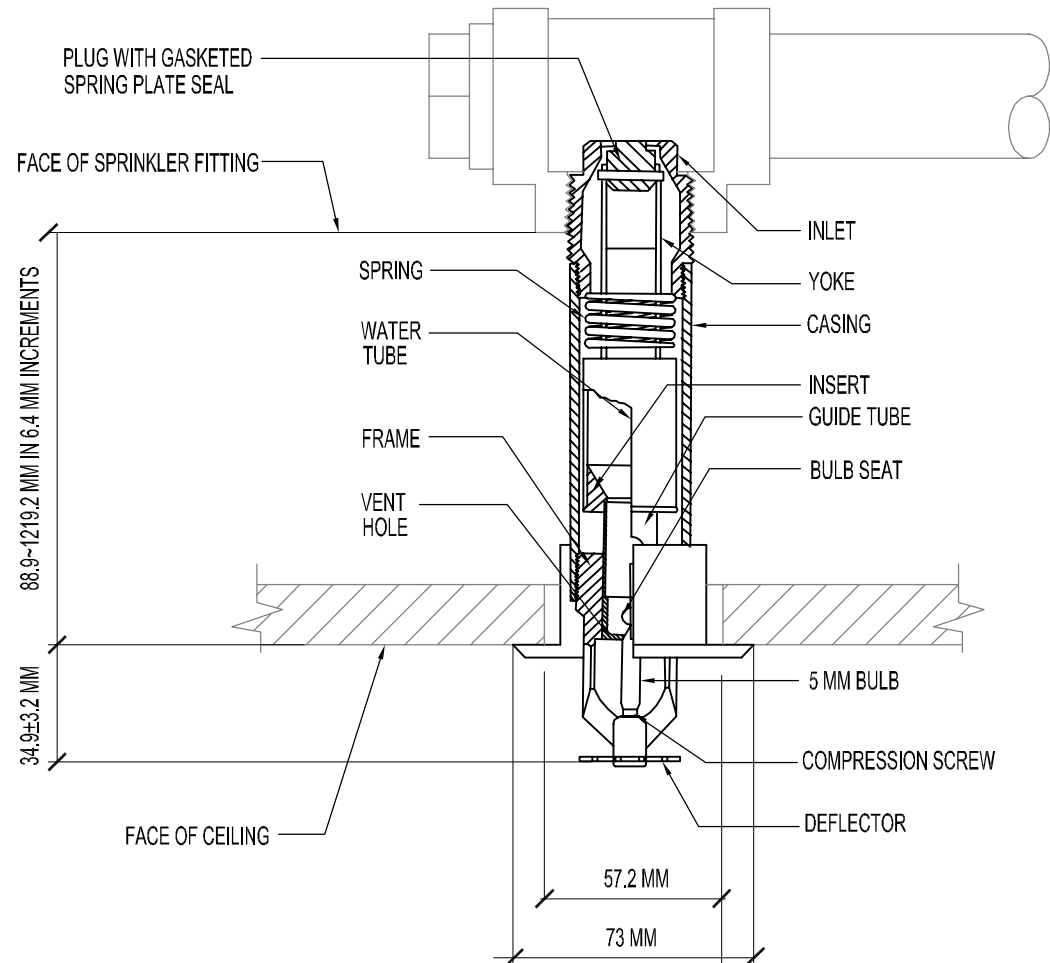
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Drawing Title		
SPRINKLER ABOVE & BELOW FALSE CEILING-INSTALLATION DETAIL (ON BRANCH)		
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DRY TYPE SPRINKLER HEAD DETAIL

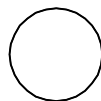
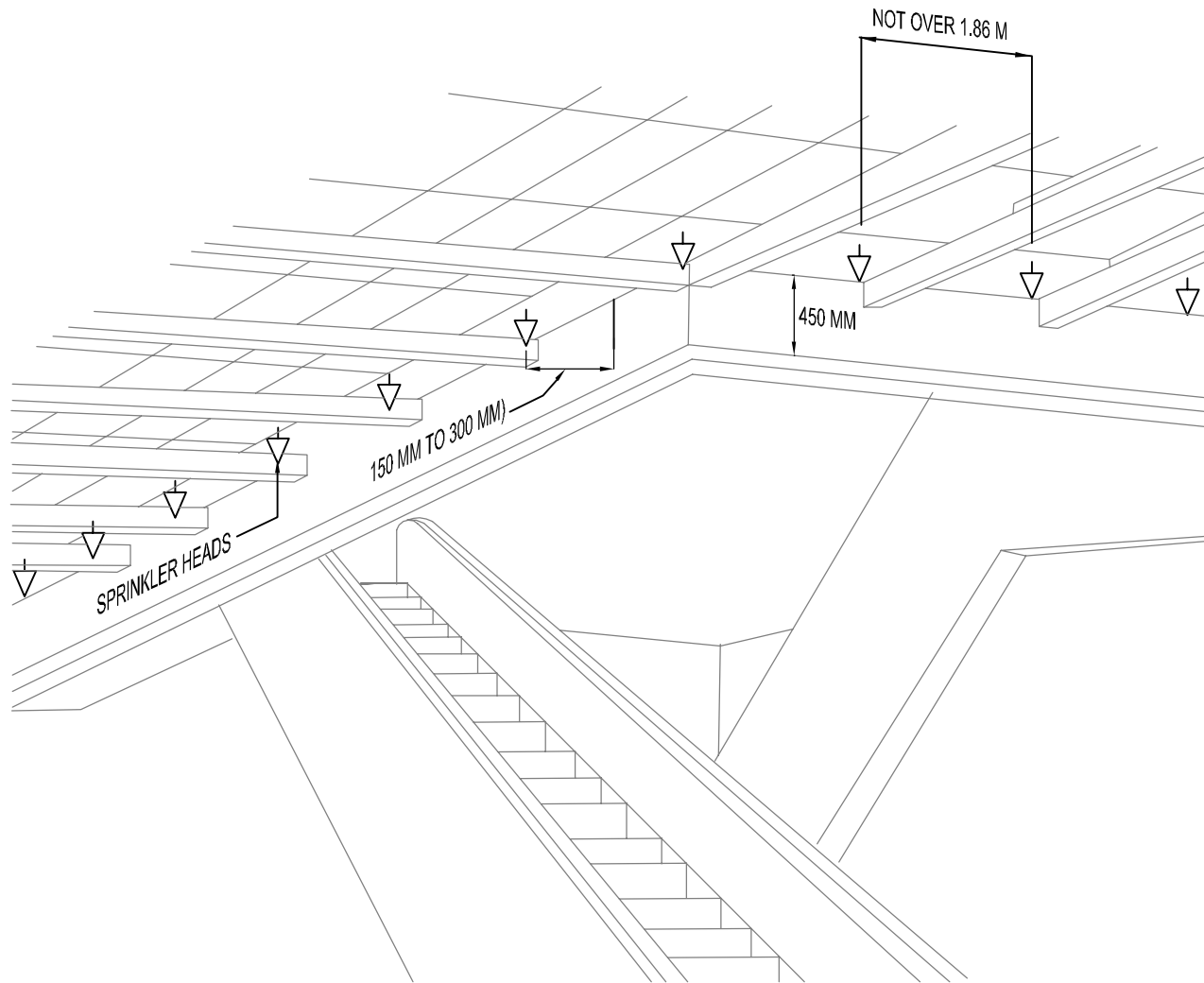
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Drawing Title		
DRY TYPE SPRINKLER HEAD DETAIL		
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Standard Detail No. FP-9		Rev: A



SPRINKLER HEAD AROUND ESCALATOR DETAIL

SCALE: NTS

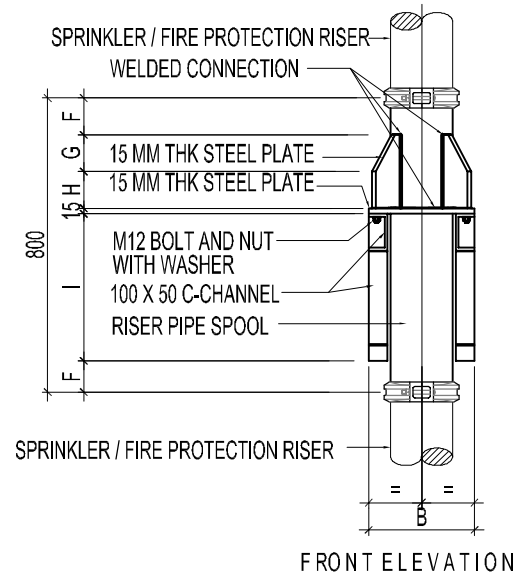
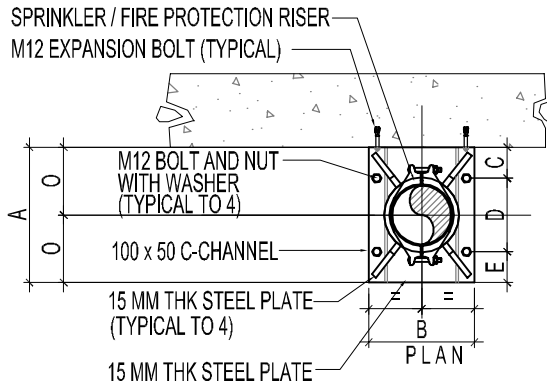
Drawing Title
SPRINKLER HEAD AROUND ESCALATOR DETAIL

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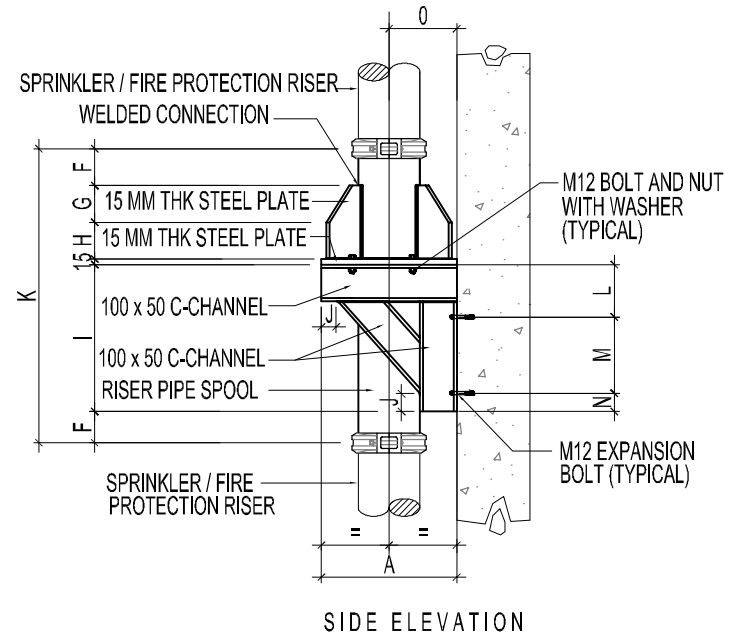
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RISER SUPPORT SCHEDULE

RISER (DIA.)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
100	316	235	75	213	80	100	100	100	375	40	782	140	194	40	158
150	368	288	85	200	85	100	100	100	400	40	800	145	194	50	184
200	420	340	130	205	85	100	100	100	457	40	873	150	207	100	210
250	474	393	140	234	100	100	100	100	513	40	904	140	263	100	237



RISER SUPPORT DETAIL

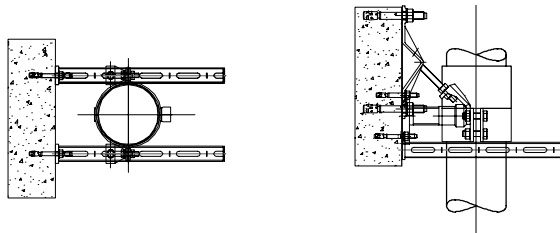
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RISER SUPPORT DETAIL		
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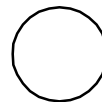


TOP VIEW

FRONT VIEW

FIXED POINT SUPPORTS FOR FIRE PROTECTION RISERS

1. BRACKET MQK 72/450 OR APPROVED EQUIVALENT
2. PIPE RING MP-MX OR APPROVED EQUIVALENT
3. 4xANCHOR HST M12 OR APPROVED EQUIVALENT
4. MQN-M12 WING NUT OR APPROVED EQUIVALENT
5. MW-MX 2"-6" ANGLE OR APPROVED EQUIVALENT



TYPICAL DETAIL FOR FIRE PROTECTION RISER PIPE

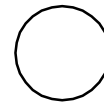
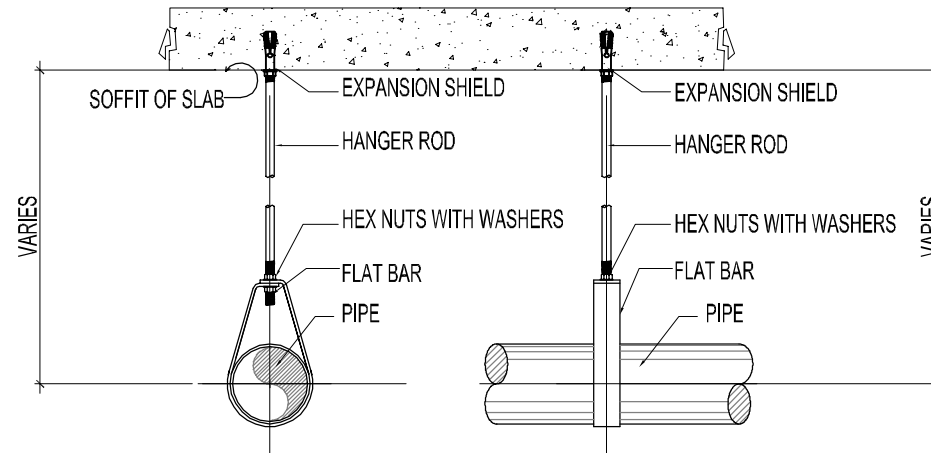
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Drawing Title TYPICAL DETAIL FOR FIRE PROTECTION RISER PIPE		
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RING HANGER DETAIL

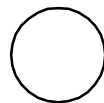
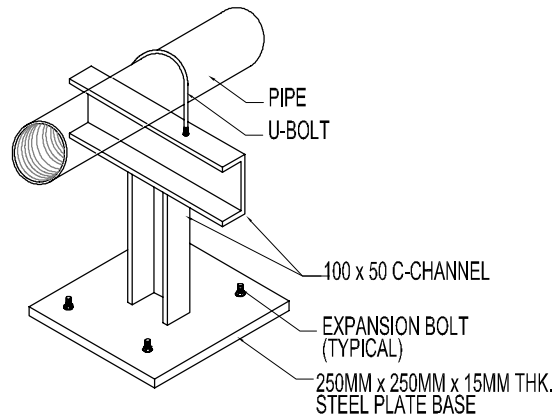
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Drawing Title		
RING HANGER DETAIL		
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DETAIL OF PIPE SUPPORT THRU FLOOR

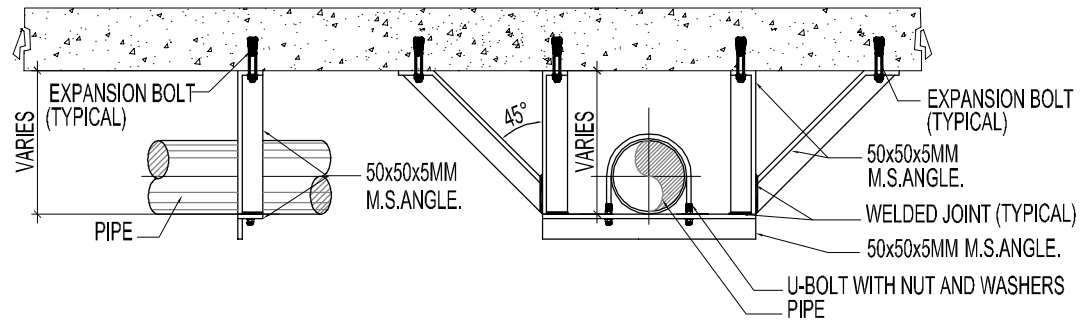
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Drawing Title DETAIL OF PIPE SUPPORT THRU FLOOR		
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SWAY BRACE DETAIL

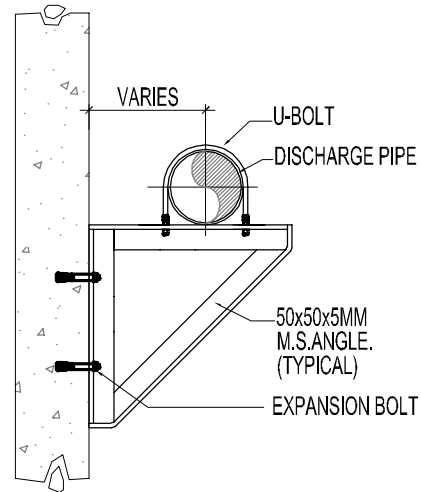
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SWAY BRACE DETAIL		
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DETAIL OF PIPE SUPPORT THRU WALL

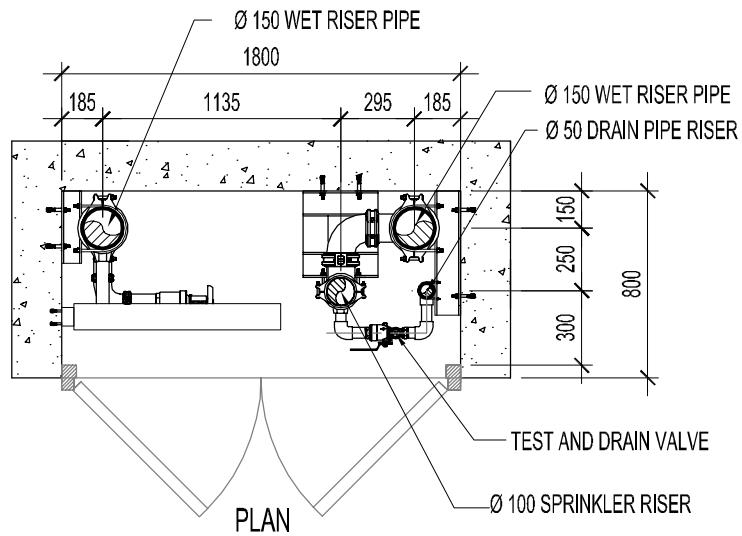
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Drawing Title DETAIL OF PIPE SUPPORT THRU WALL		
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A	01/22/2009	

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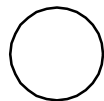
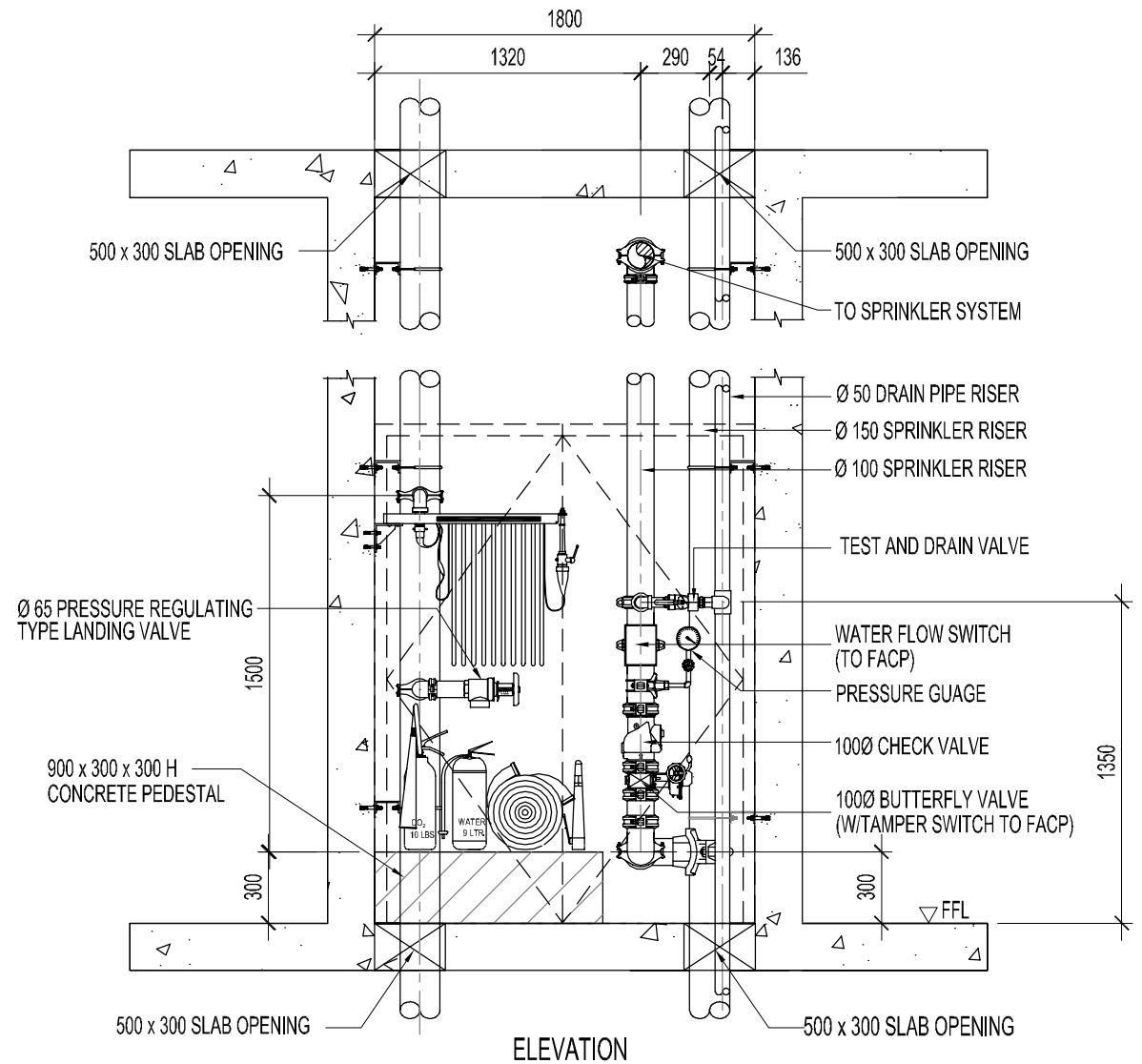
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SPECIFICATION :

FIRE CABINET	FHC 2A
TYPE	FIRE CLOSET
MATERIAL OF CONSTRUCTION	CONCRETE
- BACK BOX	BLOCK WORKS
- DOOR AND ARCHITRIVE	TO ARCHITECT DOOR SCHEDULE
FINISH	TO ARCHITECT APPROVAL
HANDLE	TO CIVIL DEFENSE APPROVAL
NOTE: 1. ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



TYPICAL DETAIL OF FIRE HOSE STATION (FHC-2A)

SCALE : NTS

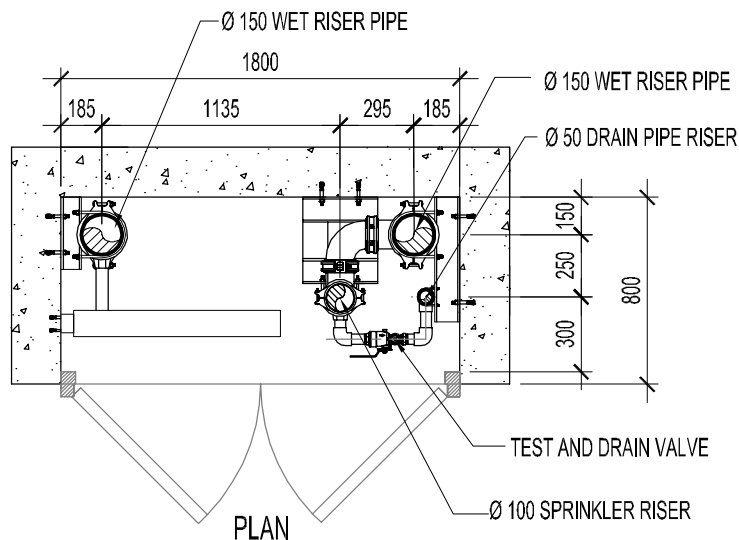
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TYPICAL DETAIL OF FIRE HOSE STATION (FHC-2A)

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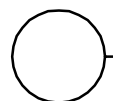
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Standard Detail No. FP-18	Rev: A	



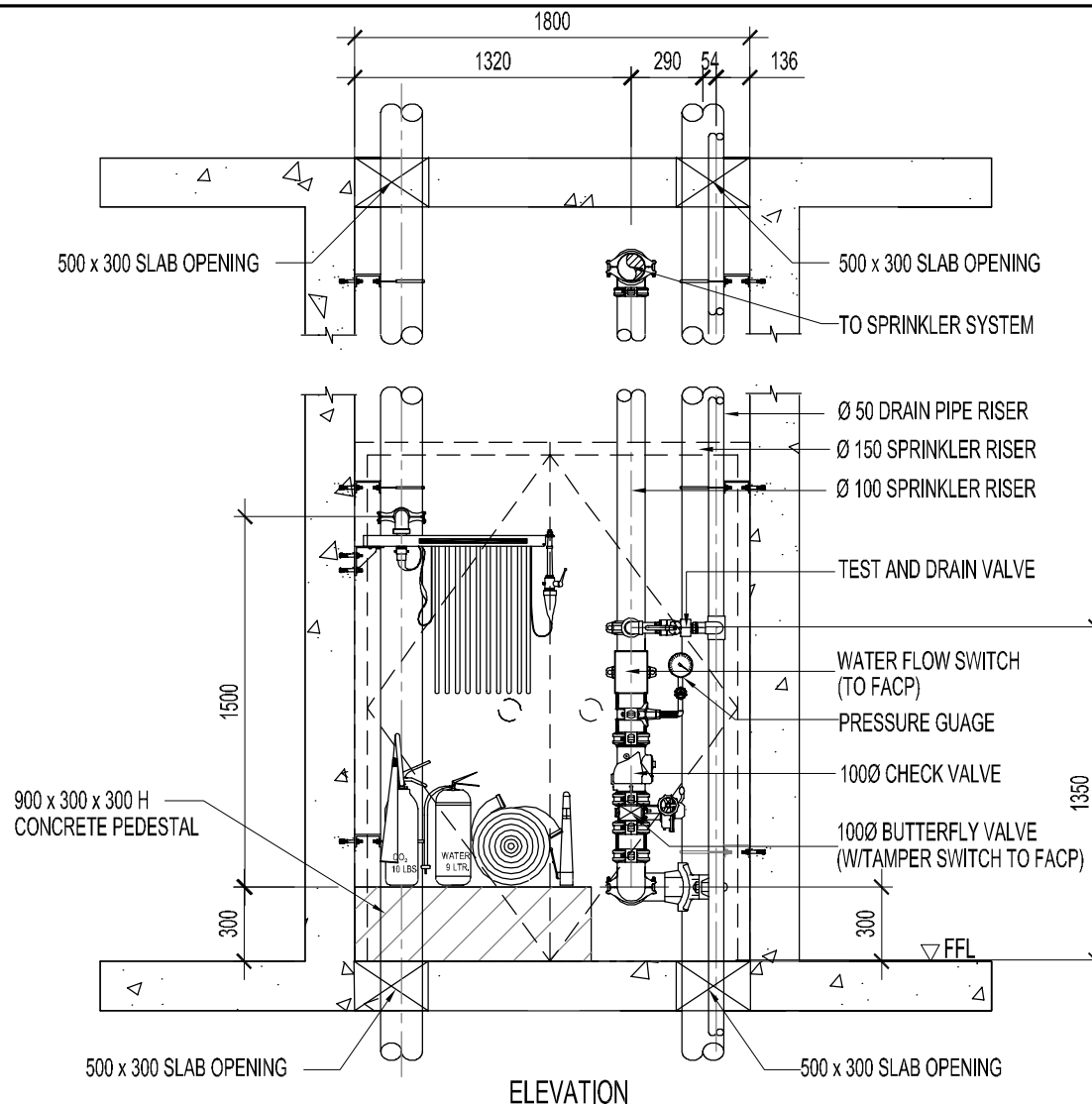
SPECIFICATION :

FIRE CABINET	FHC 2
TYPE	FIRE CLOSET
MATERIAL OF CONSTRUCTION	CONCRETE
- BACK BOX	BLOCK WORKS
- DOOR AND ARCHITRIEVE	TO ARCHITECT DOOR SCHEDULE
FINISH	TO ARCHITECT APPROVAL
HANDLE	TO CIVIL DEFENSE APPROVAL
NOTE: 1. ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



TYPICAL DETAIL OF FIRE HOSE STATION (FHC-2)

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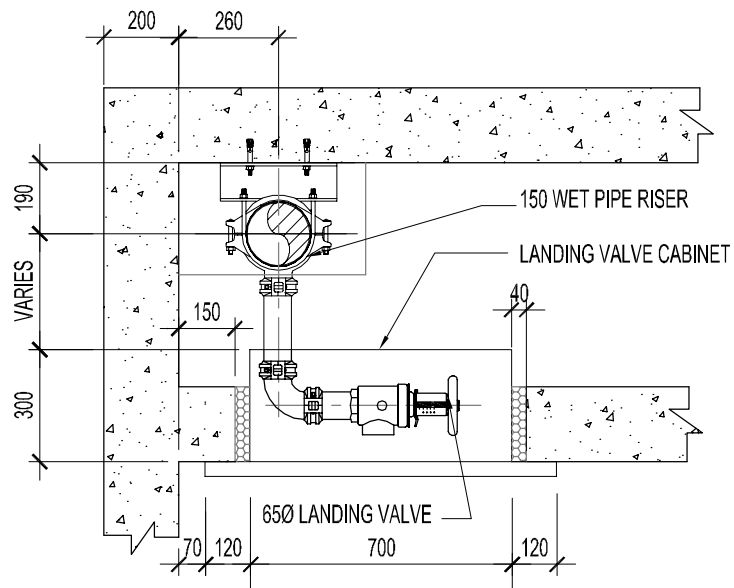


Drawing Title TYPICAL DETAIL OF FIRE HOSE STATION (FHC-2)		
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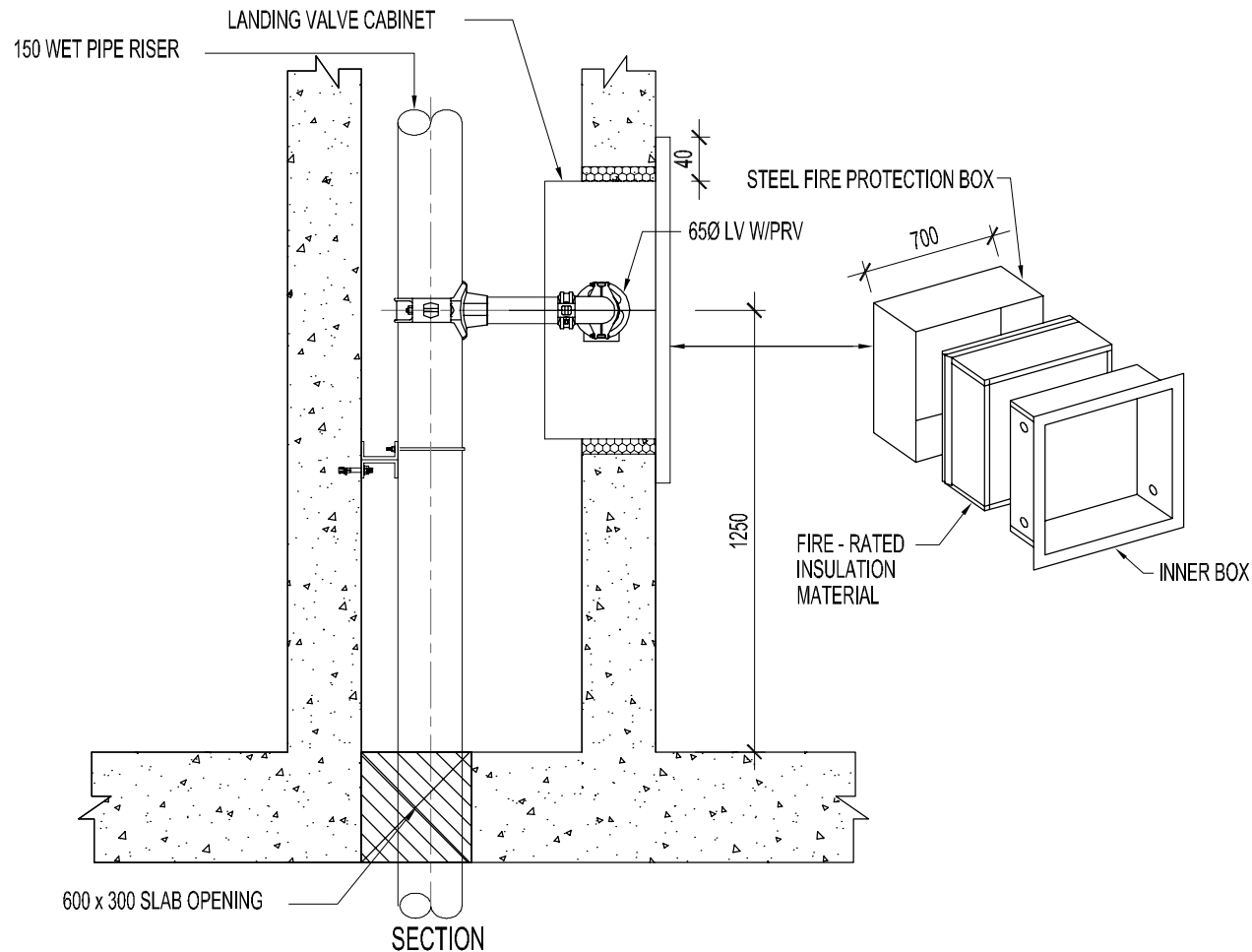
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PLAN

SPECIFICATION :

FIRE CABINET	FHC 1
TYPE	RECESSED
MATERIAL OF CONSTRUCTION	STEEL
- BACK BOX	ELECTRO GALVANIZED STEEL
- DOOR AND ARCHITRIEVE	STAINLESS STEEL
FINISH	TO ARCHITECT APPROVAL
HANDLE	TO CIVIL DEFENSE APPROVAL
NOTE: 1. ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



SECTION

TYPICAL DETAIL OF LANDING VALVE WITH CABINET

SCALE : NTS

Drawing Title
TYPICAL DETAIL OF LANDING VALVE WITH CABINET

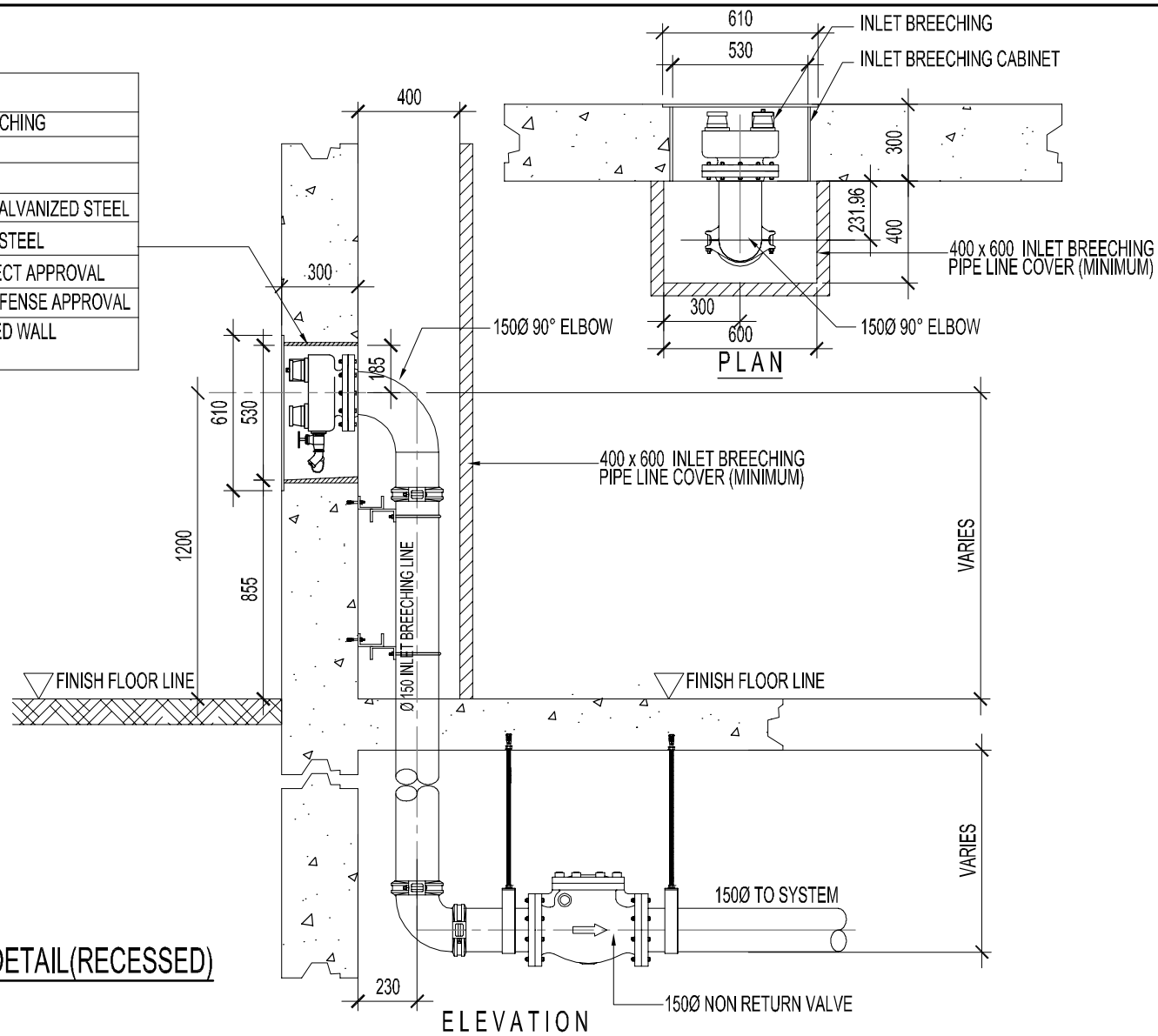
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SPECIFICATION : (INLET BREECHING)	
FIRE CABINET	INLET BREECHING
TYPE	RECESSED
MATERIAL OF CONSTRUCTION	STEEL
- BACK BOX	ELECTRO GALVANIZED STEEL
- DOOR AND ARCHITRIVE	STAINLESS STEEL
FINISH	TO ARCHITECT APPROVAL
	TO CIVIL DEFENSE APPROVAL
ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



4-WAY BREECHING INLET DETAIL (RECESSED)

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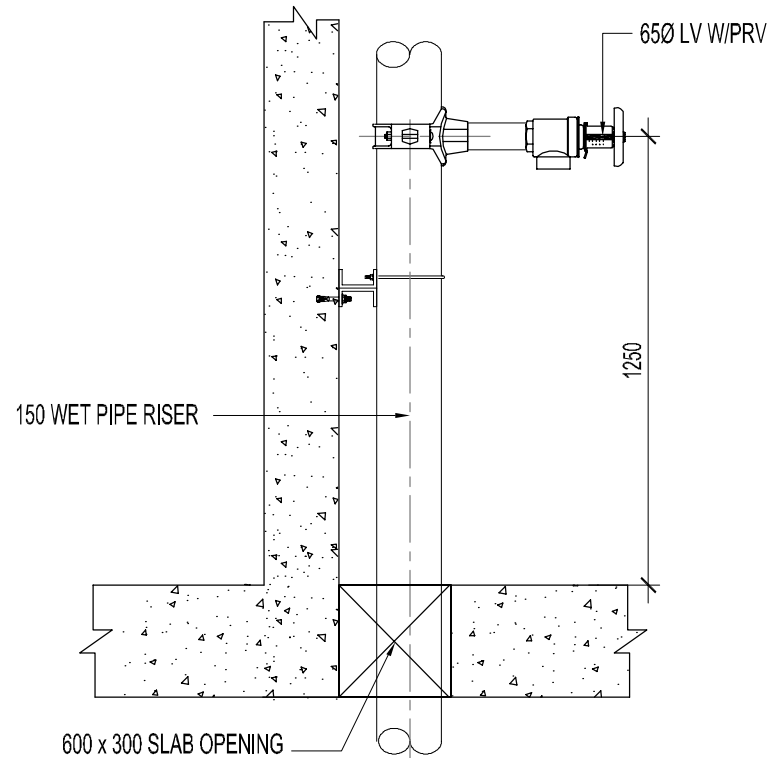
Drawing Title
4-WAY BREECHING INLET DETAIL (RECESSED)

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TYPICAL DETAIL OF LANDING VALVE
SCALE : NTS

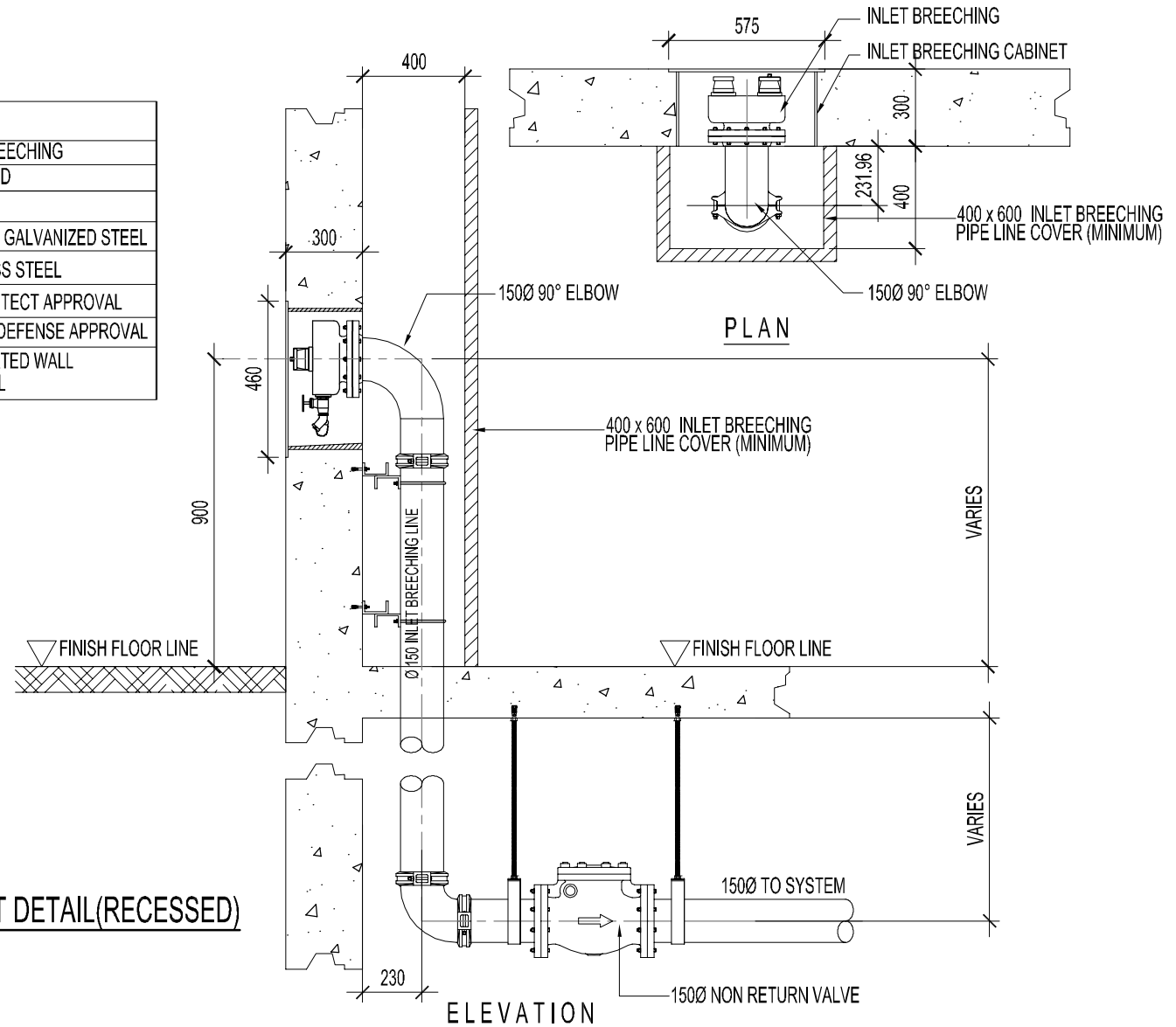
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TYPICAL DETAIL OF LANDING VALVE		
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SPECIFICATION : (INLET BREECHING)	
FIRE CABINET	INLET BREECHING
TYPE	RECESSED
MATERIAL OF CONSTRUCTION	STEEL
- BACK BOX	ELECTRO GALVANIZED STEEL
- DOOR AND ARCHITRIVE	STAINLESS STEEL
FINISH	TO ARCHITECT APPROVAL TO CIVIL DEFENSE APPROVAL
ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



2-WAY BREECHING INLET DETAIL (RECESSED)
SCALE : NTS

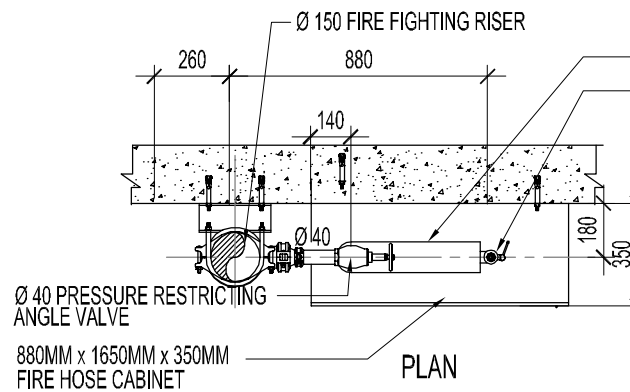
Drawing Title
2-WAY BREECHING INLET DETAIL (RECESSED)

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Standard Detail No. FP-23		Rev: A



SPECIFICATION :

FIRE CABINET	FHC 3 S
TYPE	SURFACE
MATERIAL OF CONSTRUCTION	STEEL
- BACK BOX	STAINLESS STEEL
- DOOR AND ARCHITRIVE	STAINLESS STEEL
FINISH	TO ARCHITECT APPROVAL
HANDLE	TO CIVIL DEFENSE APPROVAL
NOTE: 1. ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	

FIRE HOSE RACK

Ø 40 ADJUSTABLE NOZZLE

Ø 40 ADJUSTABLE NOZZLE

FIRE HOSE RACK

Ø 40 PRESSURE RESTRICTING ANGLE VALVE

Ø 40 INSTANTANEOUS COUPLING

880MM x 1650MM x 350MM FIRE HOSE CABINET

Ø 40 x 30 METER LONG 100% POLYESTER DOUBLE JACKET WITH SYNTHETIC RUBBER LINING FIRE HOSE

Ø 65 PRESSURE REGULATING TYPE LANDING VALVE

5 KGS. CAPACITY CO₂ FIRE EXTINGUISHER

9 LITERS CAPACITY WATER FIRE EXTINGUISHER

Ø 65 x 30 METER LONG 100% POLYESTER DOUBLE JACKET WITH SYNTHETIC RUBBER LINING FIRE HOSE

Ø 65 ADJUSTABLE NOZZLE

Ø 65 INSTANTANEOUS COUPLING

Ø 150 FIRE FIGHTING RISER

FRONT VIEW

Ø 40 PRESSURE RESTRICTING ANGLE VALVE

Ø 40 ADJUSTABLE NOZZLE

FIRE HOSE RACK

880MM x 1650MM x 350MM FIRE HOSE CABINET

Ø 40 x 30 METER LONG 100% POLYESTER DOUBLE JACKET WITH SYNTHETIC RUBBER LINING FIRE HOSE

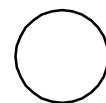
Ø 65 PRESSURE REGULATING TYPE LANDING VALVE

5 KGS. CAPACITY CO₂ FIRE EXTINGUISHER

FINISH FLOOR LINE

Ø 150 FIRE FIGHTING RISER

SIDE VIEW



TYPICAL DETAIL OF FIRE HOSE CABINET (FHC-3S)

SCALE : NTS

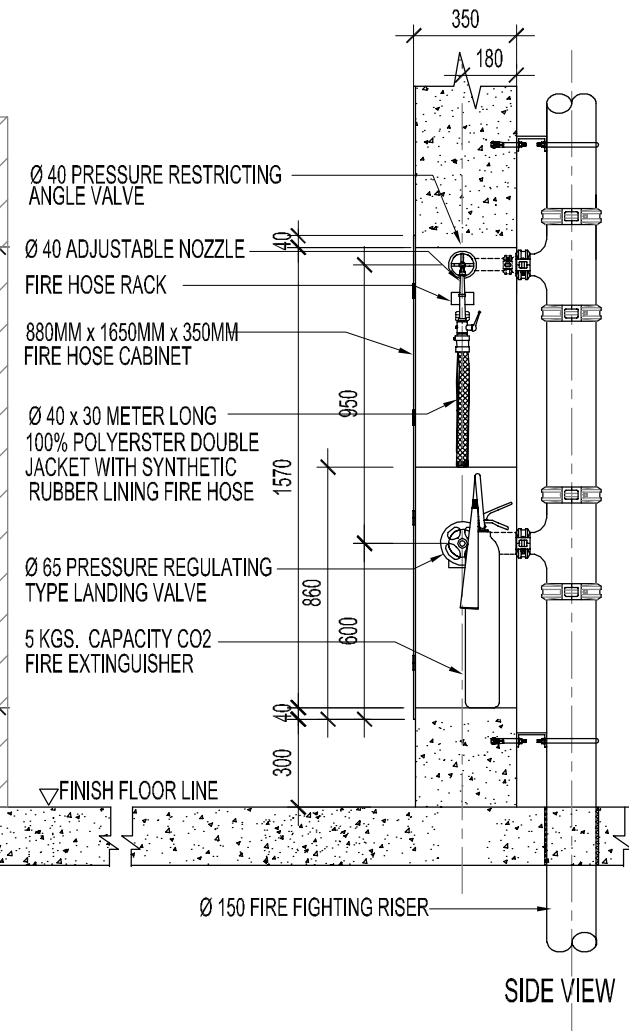
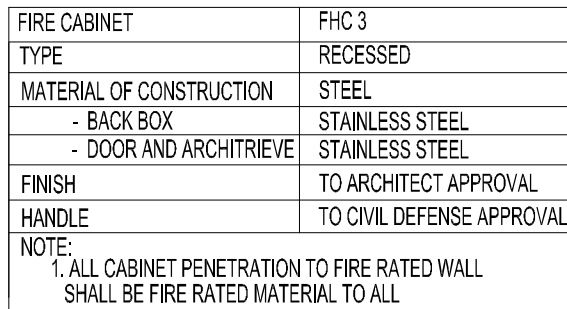
Drawing Title
TYPICAL DETAIL OF FIRE HOSE CABINET (FHC-3S)

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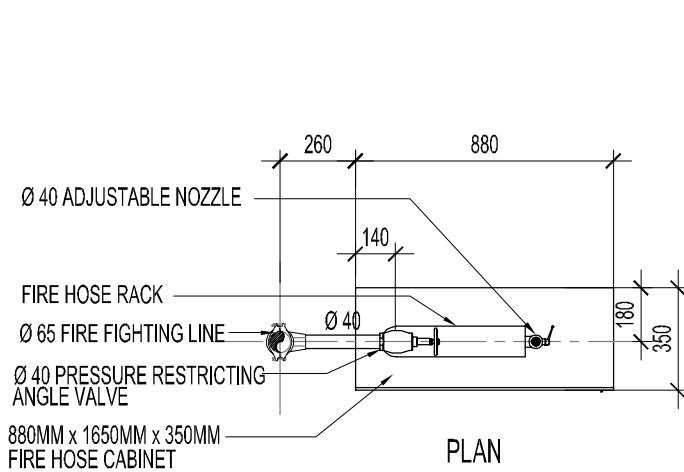
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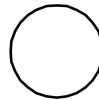
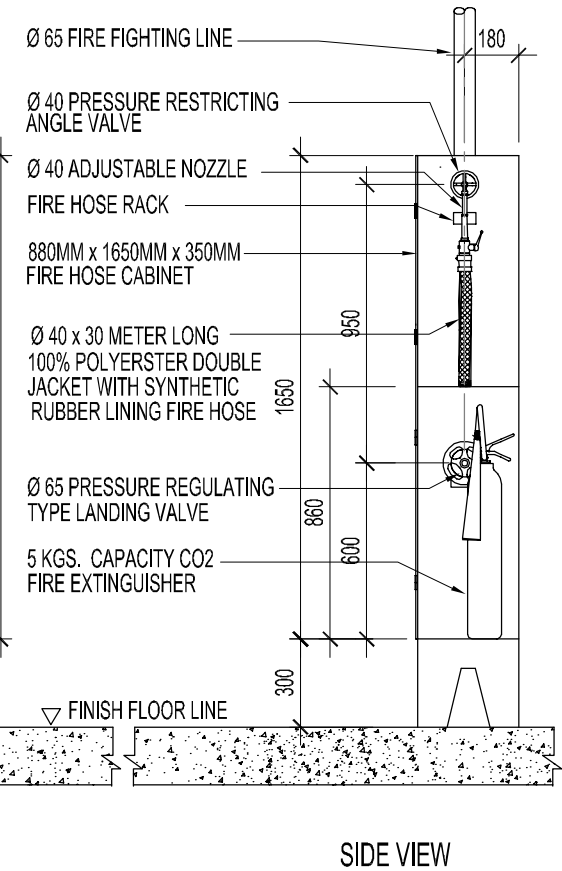
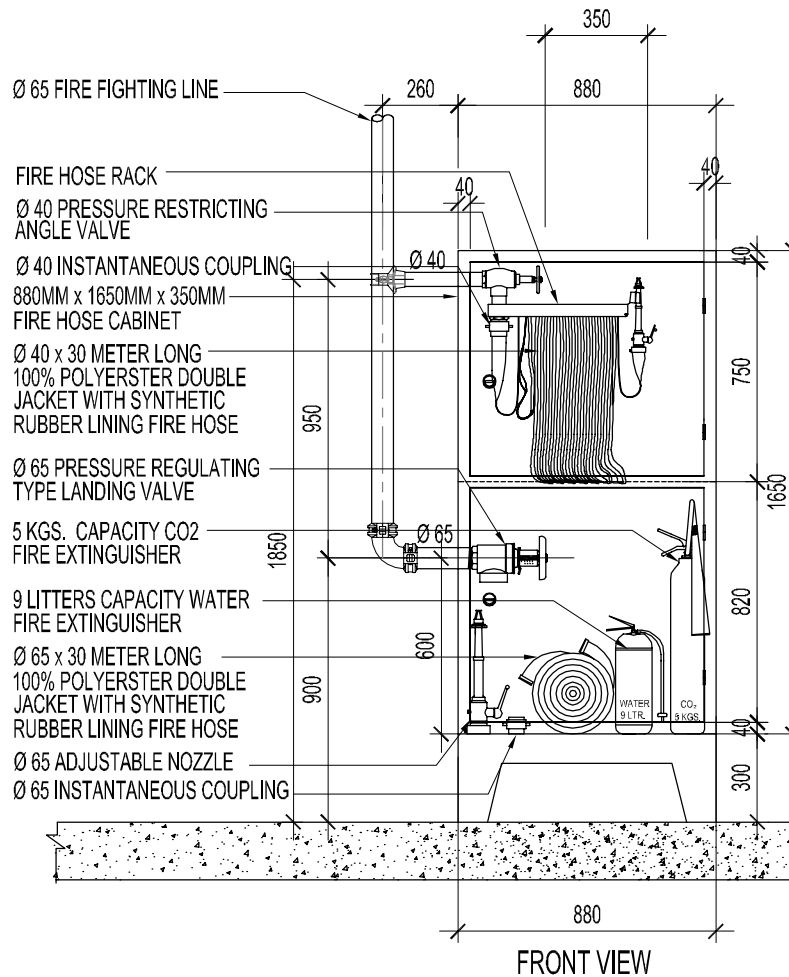
Drawing Title TYPICAL DETAIL OF FIRE HOSE CABINET (FHC-3)		
Rev	Date	Description
A	01/22/2009	

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Authorized By: DS	Date: 01/22/2009	
Checked By: NS	Date: 01/22/2009	
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Standard Detail No. FP-25		Rev: A



SPECIFICATION :

FIRE CABINET	FHC 4
TYPE	SURFACE
MATERIAL OF CONSTRUCTION	STEEL
- BACK BOX	STAINLESS STEEL
- DOOR AND ARCHITRIEVE	STAINLESS STEEL
FINISH	TO ARCHITECT APPROVAL
HANDLE	TO CIVIL DEFENSE APPROVAL
NOTE: 1. ALL CABINET PENETRATION TO FIRE RATED WALL SHALL BE FIRE RATED MATERIAL TO ALL	



TYPICAL DETAIL OF FIRE HOSE CABINET (FHC-4)

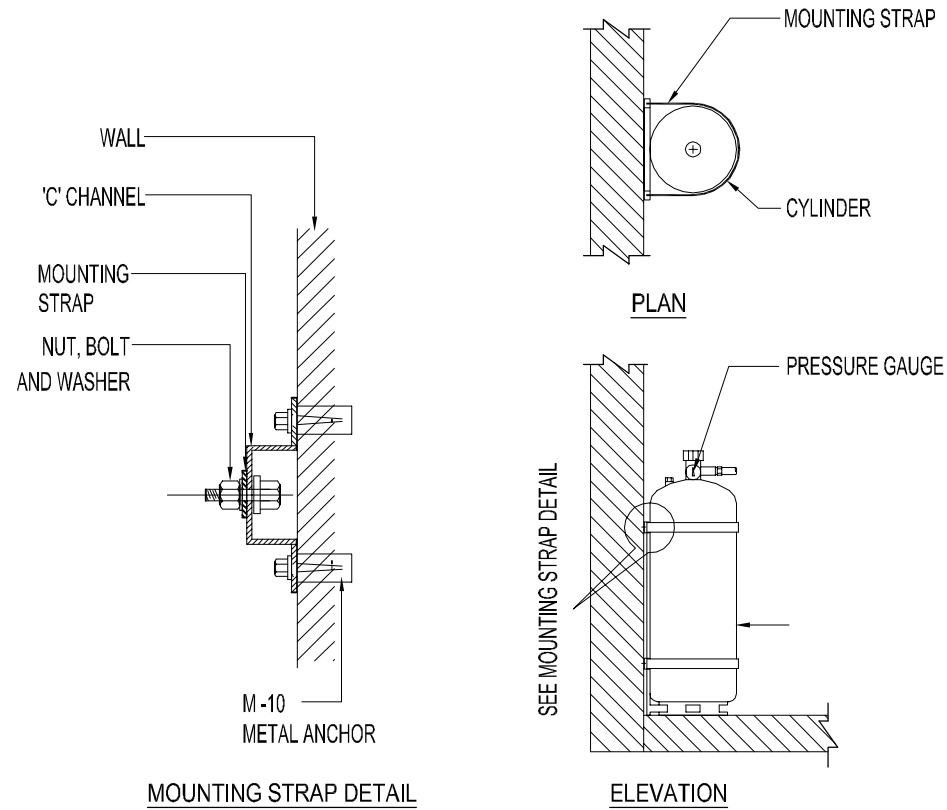
SCALE : NTS

Drawing Title		
TYPICAL DETAIL OF FIRE HOSE CABINET (FHC-4)		
Rev	Date	Description
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Standard Detail No. FP-26		Rev: A



DETAIL OF CYLINDER SUPPORT (FIRE SUPPRESSION SYSTEM)

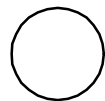
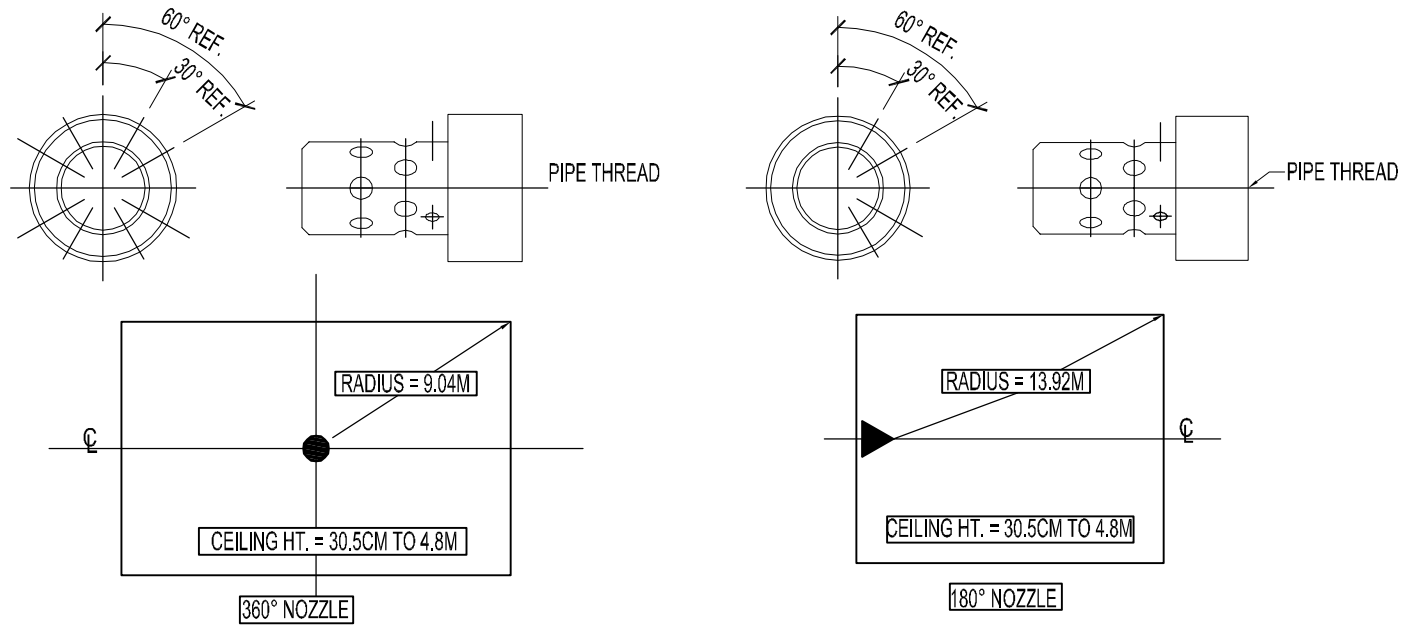
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Drawing Title		
DETAIL OF CYLINDER SUPPORT (FIRE SUPPRESSION SYSTEM)		
Rev	Date	Description
A	01/22/2009	

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Standard Detail No. FP-27		Rev: A



NOZZLE COVERAGE DETAILS (FIRE SUPPRESSION SYSTEM)

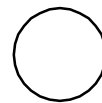
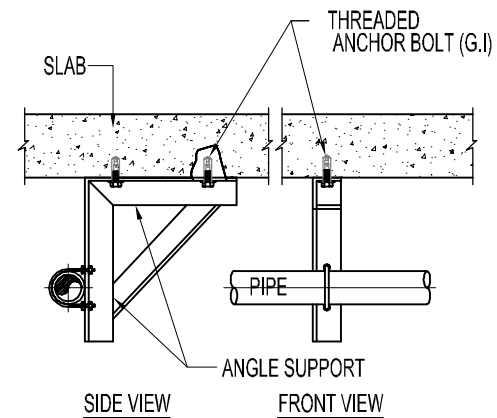
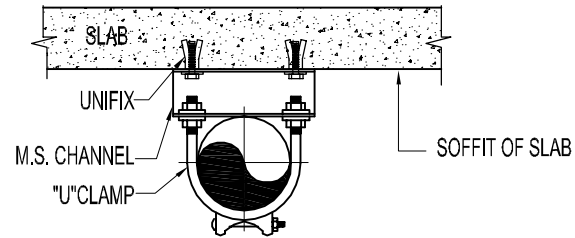
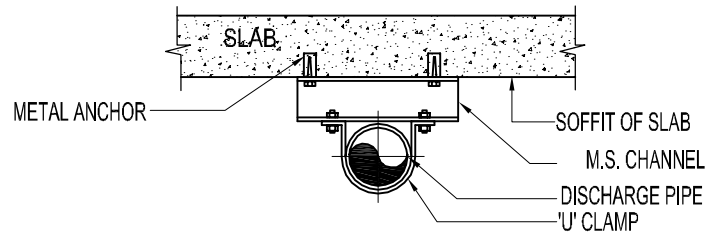
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Drawing Title		
NOZZLE COVERAGE DETAIL (FIRE SUPPRESSION SYSTEM)		
Rev	Date	Description
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Standard Detail No. FP-28		Rev: A



DETAIL OF PIPE SUPPORT THRU CEILING (FIRE SUPPRESSION SYSTEM)

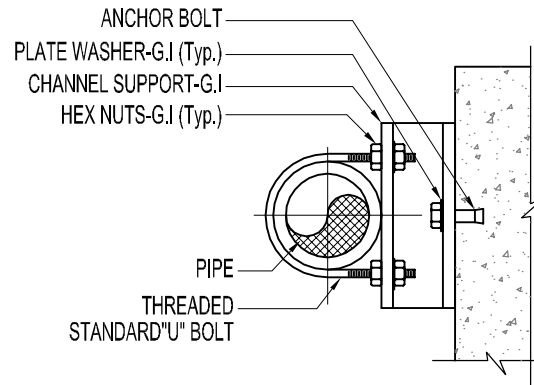
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Drawing Title		
DETAIL OF SUPPORT THRU CEILING (FIRE SUPPRESSION SYSTEM)		
Rev	Date	Description
A	01/22/2009	

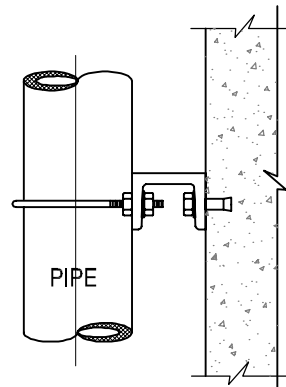
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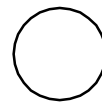
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TOP VIEW



FRONT VIEW



DETAIL OF PIPE SUPPORT THRU WALL (FIRE SUPPRESSION SYSTEM)

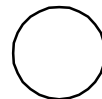
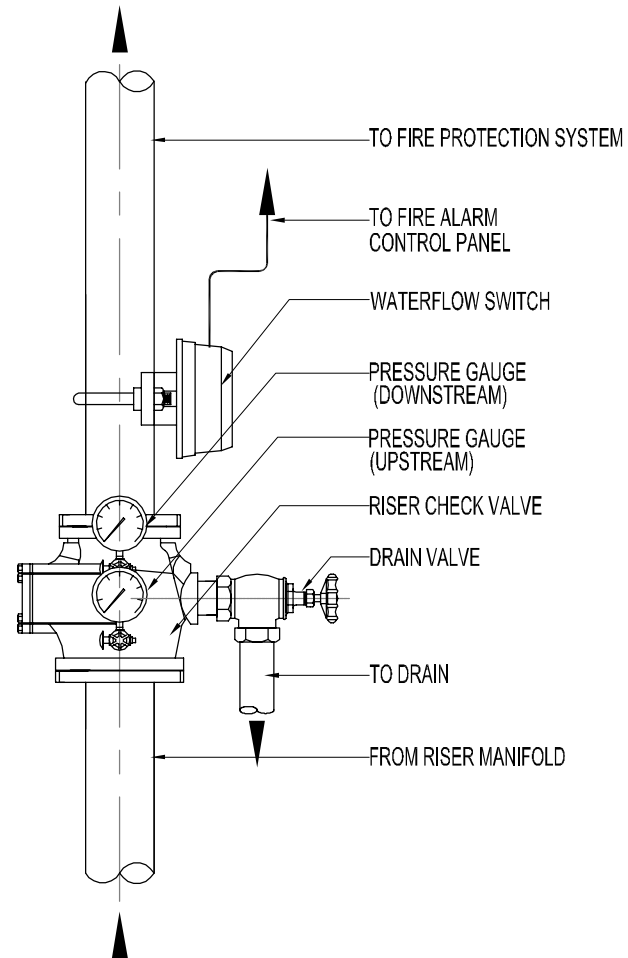
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Drawing Title		
DETAIL OF PIPE SUPPORT THRU WALL (FIRE SUPPRESSION SYSTEM)		
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WET STANDPIPE RISER CHECK VALVE DETAIL

SCALE : NTS

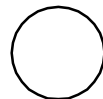
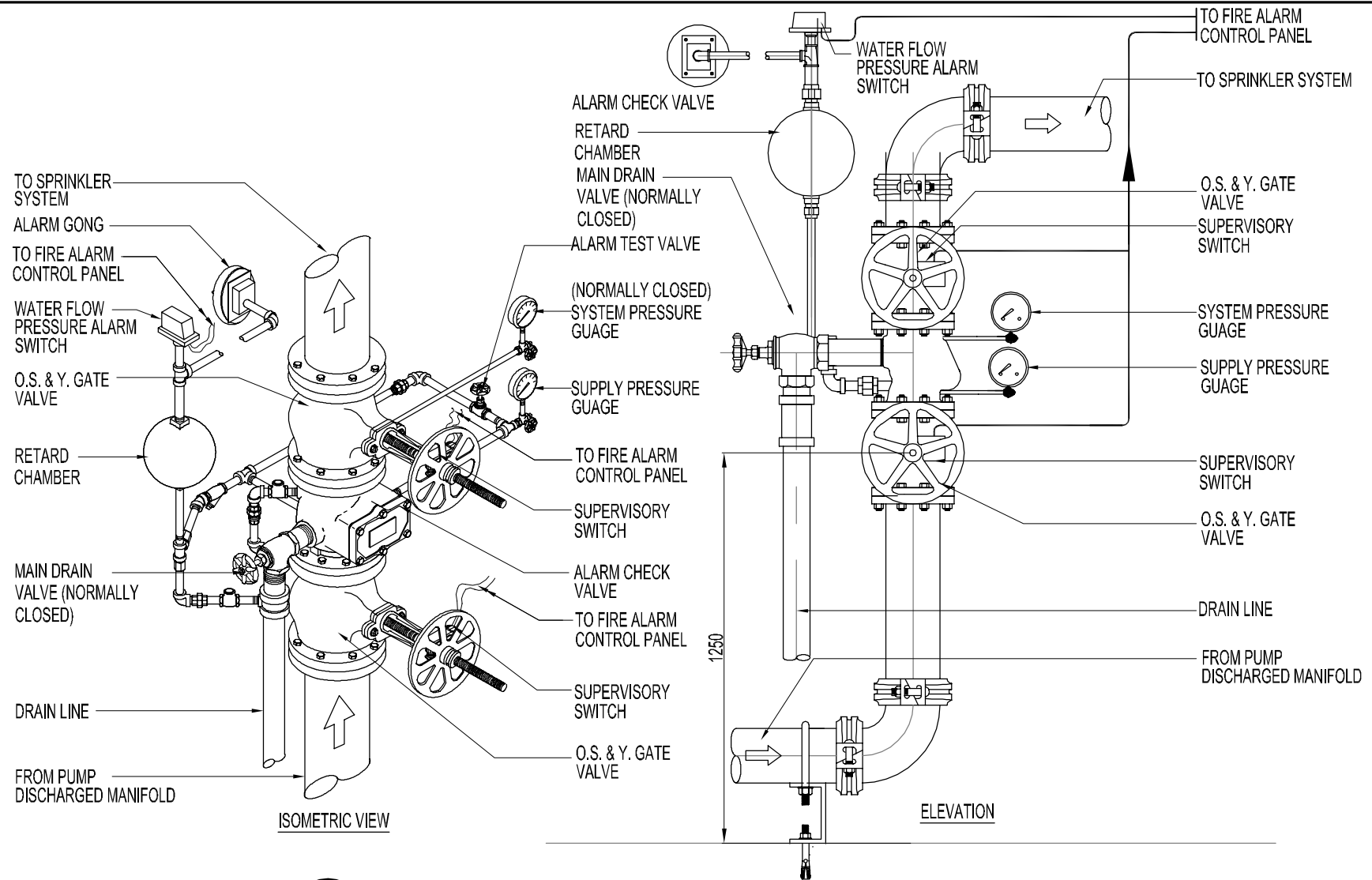
Drawing Title
WET STANDPIPE RISER CHECK VALVE DETAIL

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TYPICAL DETAIL ALARM CHECK VALVE ARRANGEMENT

SCALE : NTS

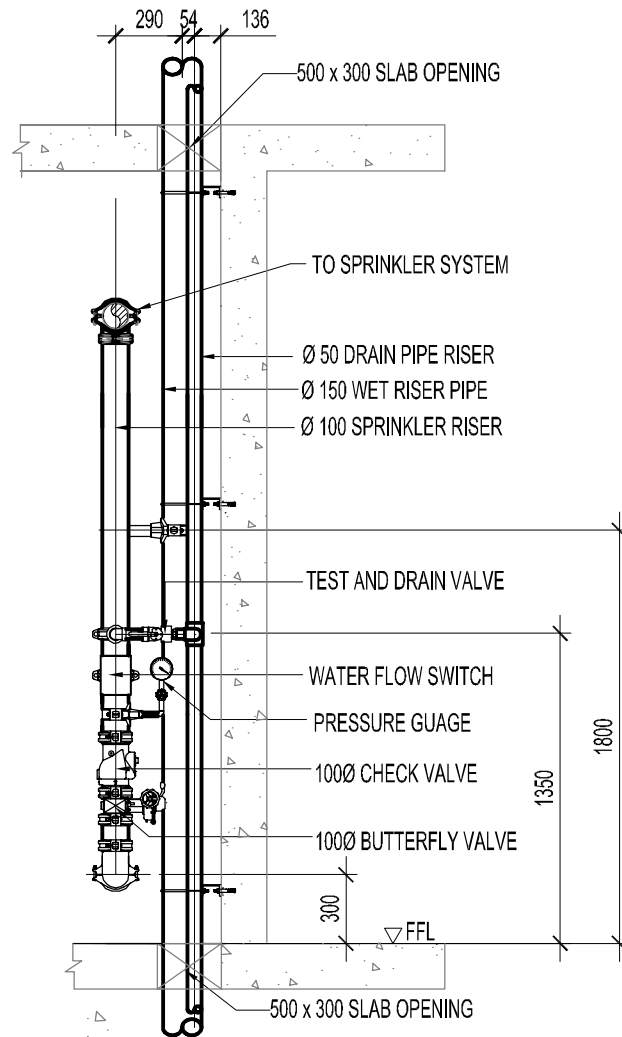
Drawing Title
TYPICAL DETAIL ALARM CHECK VALVE ARRANGEMENT

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ZONE CONTROL VALVE THRU RISER SHAFT
TYPICAL DETAIL OF ZONE CONTROL VALVE ASSEMBLY

SCALE : NTS

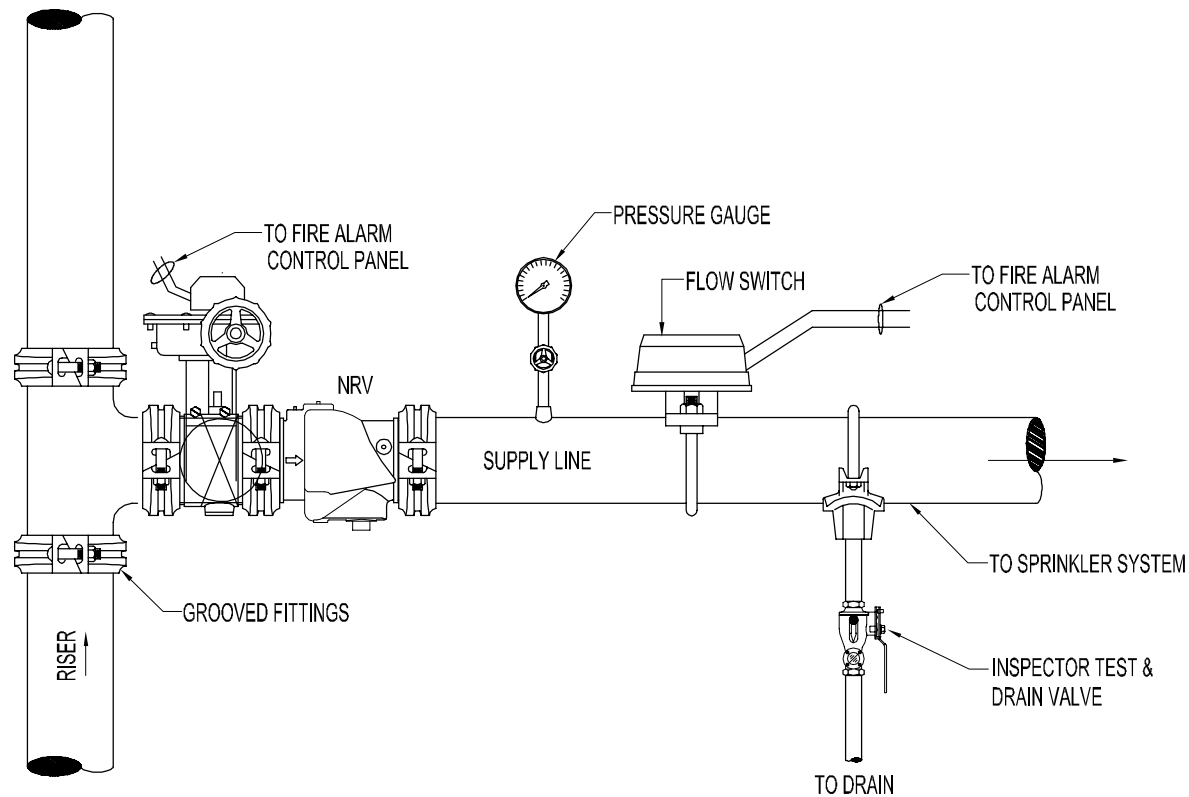
Drawing Title
ZONE CONTROL VALVE THRU RISER SHAFT
TYPICAL DETAIL OF ZONE CONTROL VALVE ASSEMBLY

Rev	Date	Description
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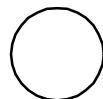
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BASEMENT / PARKING AREA
TYPICAL DETAIL OF ZONE CONTROL ASSEMBLY



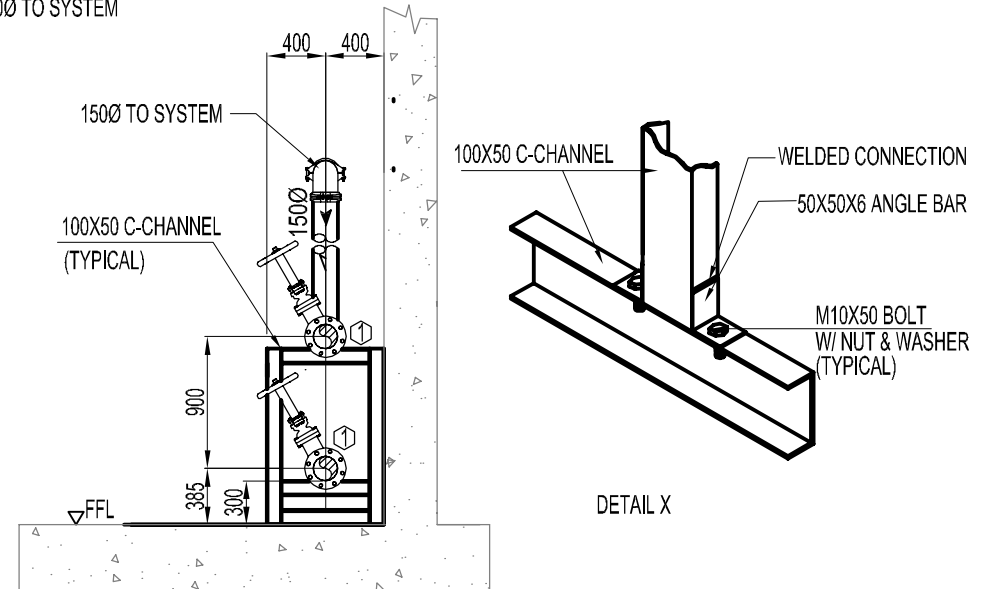
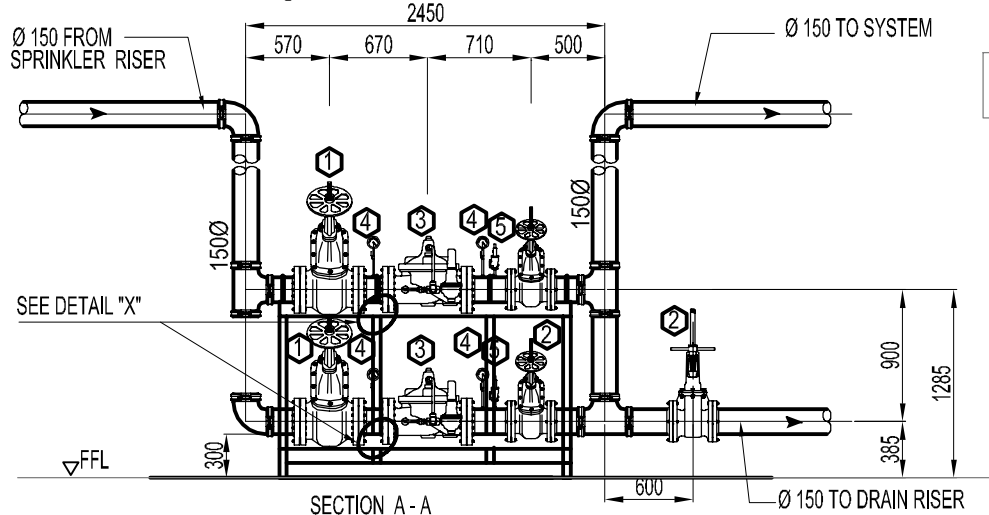
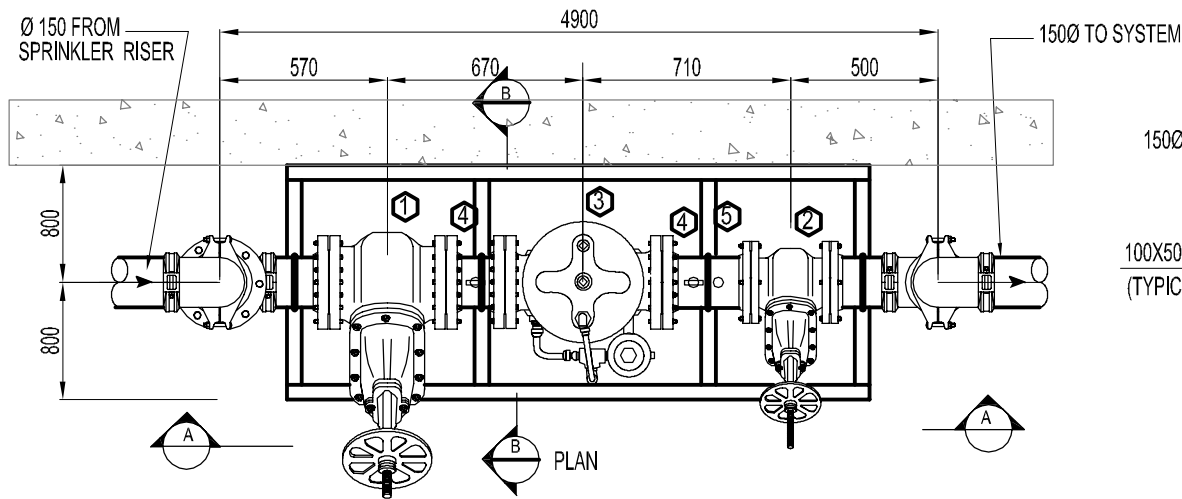
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Drawing Title		
BASEMENT / PARKING AREA TYPICAL DETAIL OF ZONE CONTROL ASSEMBLY		
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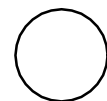
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SECTION B - B

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
①	Ø 150 HIGH PRESSURE O S & Y GATE VALVE
②	Ø 150 LOW PRESSURE O S & Y GATE VALVE
③	Ø 150 PRESSURE REDUCING VALVE
④	PRESSURE GAUGE
⑤	20 MM AIR RELIEF VALVE



DETAIL OF SINGLE PRESSURE REDUCING VALVE STATION

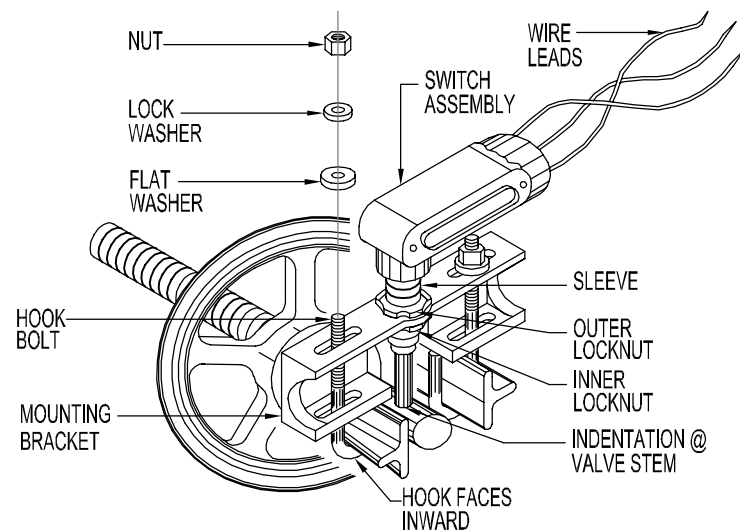
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Drawing Title		
DETAIL OF SINGLE PRESSURE REDUCING VALVE STATION		
Rev	Date	Description
A	01/22/2009	

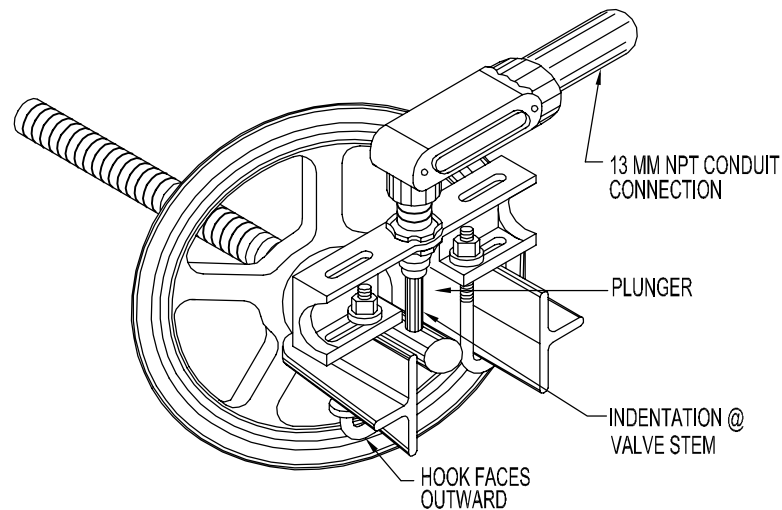
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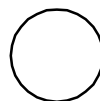


FOR SMALLER VALVES



FOR LARGER VALVES

NOTE:
1. VALVES ARE
SHOWN IN FULL
OPEN POSITION.



SUPERVISORY SWITCH CONNECTION DETAIL

SCALE : NTS

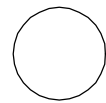
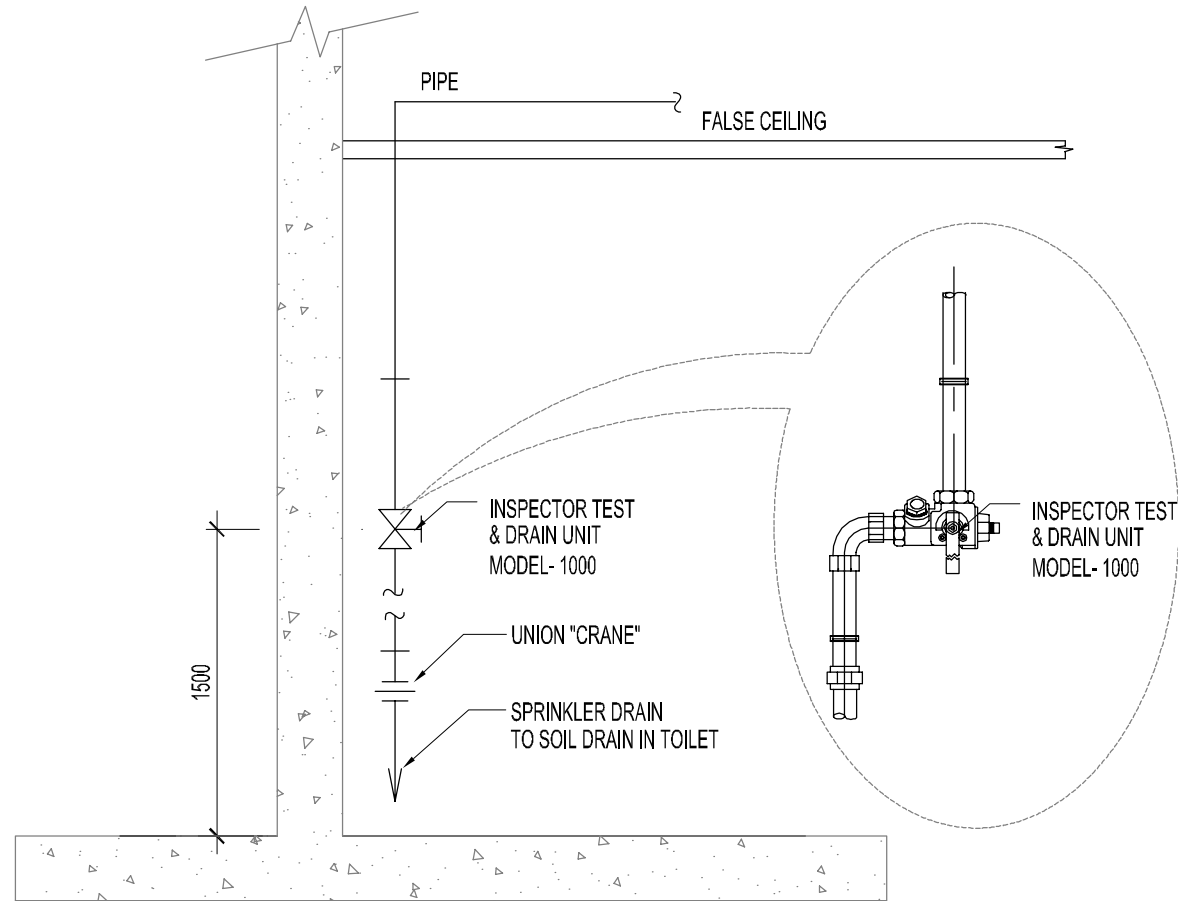
Drawing Title
SUPERVISORY SWITCH CONNECTION DETAIL

Rev	Date	Description
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TYPICAL DETAIL INSPECTOR TEST CONNECTION

SCALE: NTS

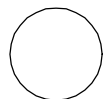
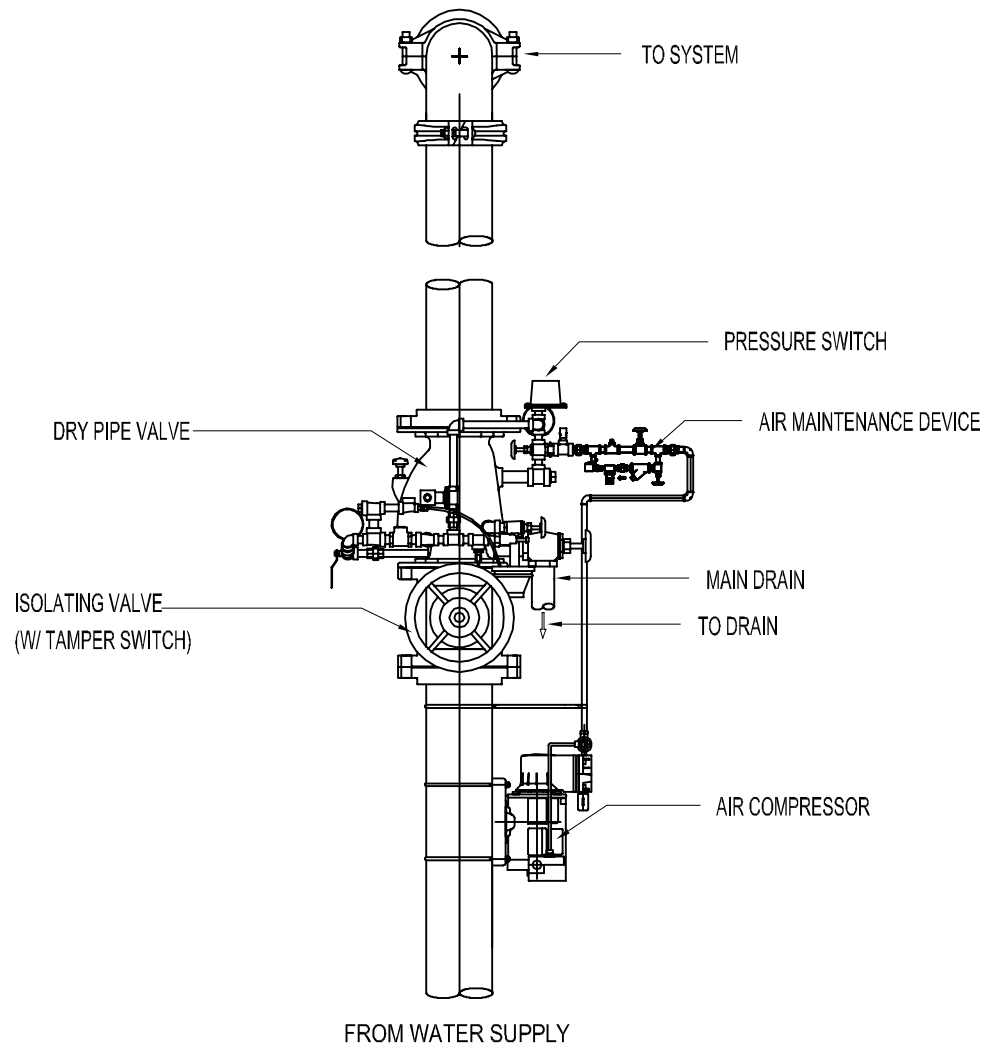
Drawing Title
TYPICAL DETAIL INSPECTOR TEST CONNECTION

Rev	Date	Description
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TYPICAL DETAIL DRY PIPE VALVE

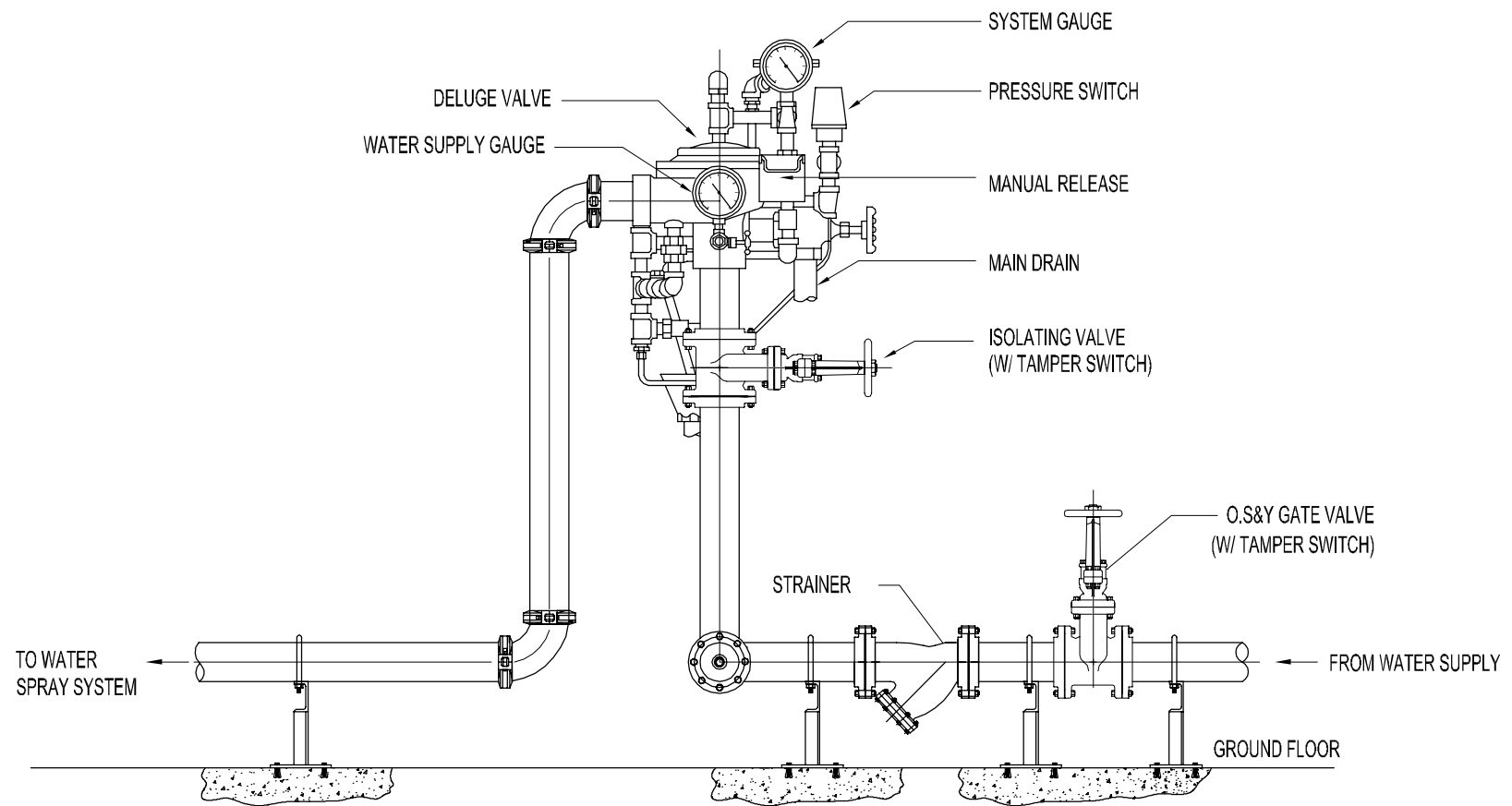
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Drawing Title		
TYPICAL DETAIL DRY PIPE VALVE		
Rev	Date	Description
A	01/22/2009	

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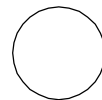
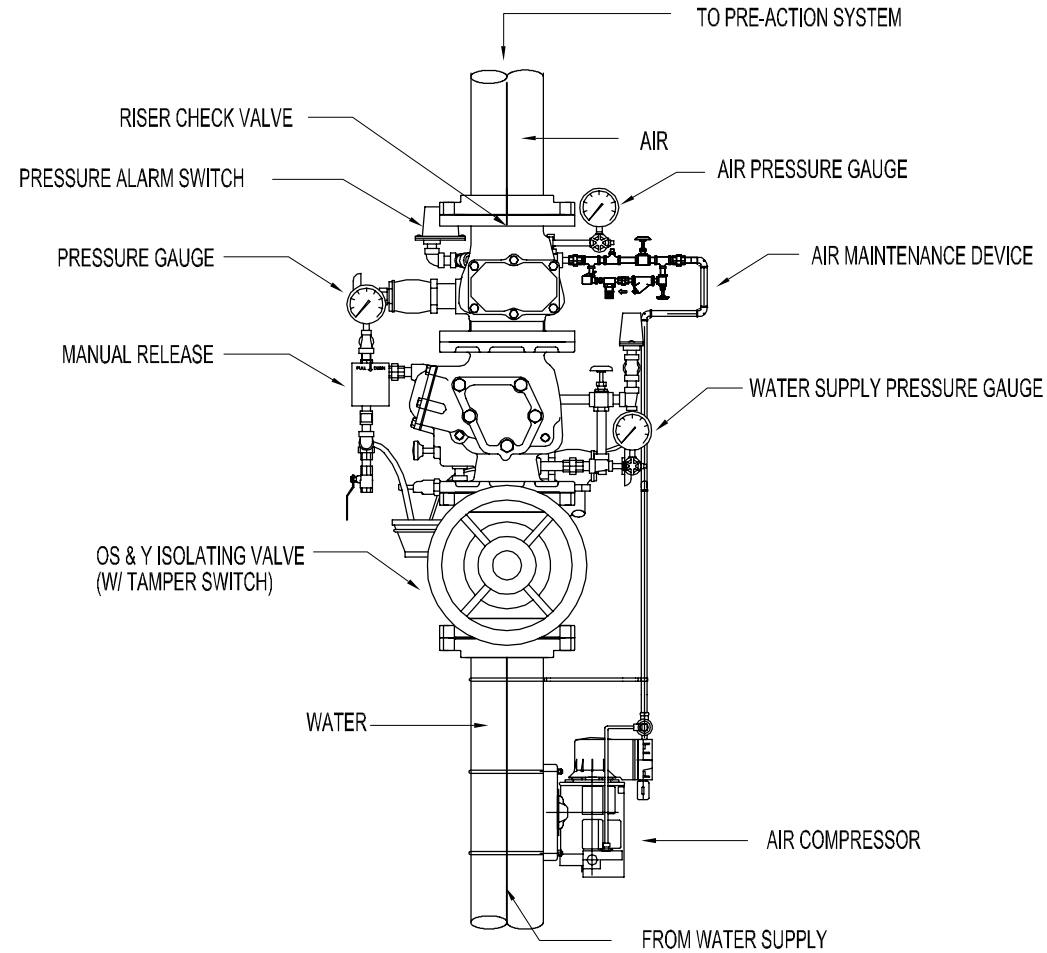
TYPICAL DETAIL DELUGE VALVE
SCALE: NTS

Drawing Title: TYPICAL DETAIL OF DELUGE VALVE		
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TYPICAL DETAIL PRE-ACTION VALVE

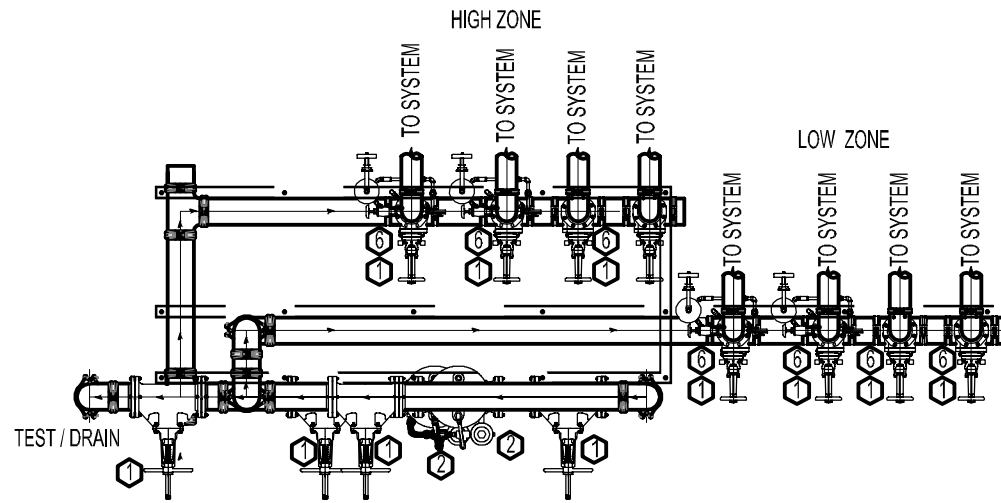
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Drawing Title TYPICAL DETAIL PRE-ACTION SYSTEM		
Rev	Date	Description
A	01/22/2009	

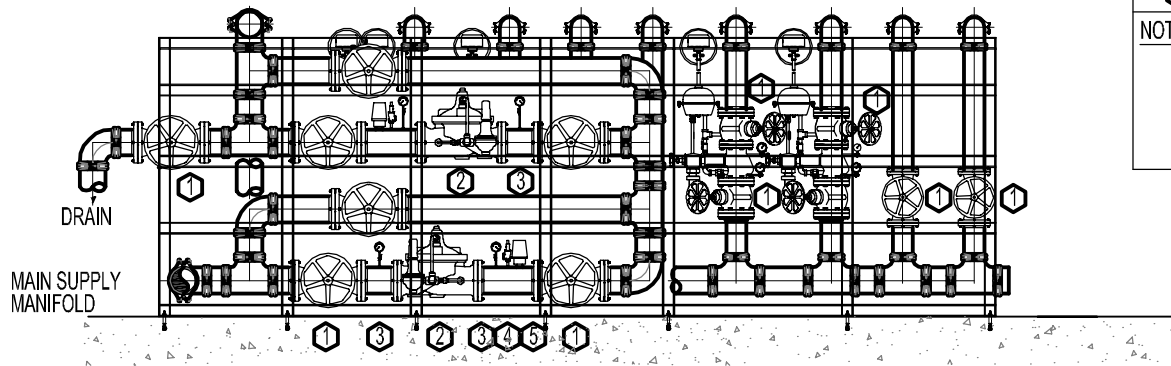
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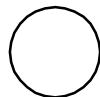
PLAN



SECTION A - A

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
1	Ø 150 HIGH PRESSURE O S & Y GATE VALVE
2	Ø 150 PRESSURE REDUCING VALVE
3	PRESSURE GAUGE
4	20 MM AIR RELIEF VALVE
5	PRESSURE SWITCH (HIGH PRESSURE)
6	Ø 150 ALARM VALVE ASSEMBLY, 300 psi
NOTES:	
1. SIZES / DIMENSIONS / DISTANCES SHALL BE AS PER ACTUAL APPROVED EQUIPMENT DETAILS.	
2. THIS DRAWING IS INDICATIVE ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL.	



DETAIL OF DUAL PRESSURE REDUCING VALVE STATION

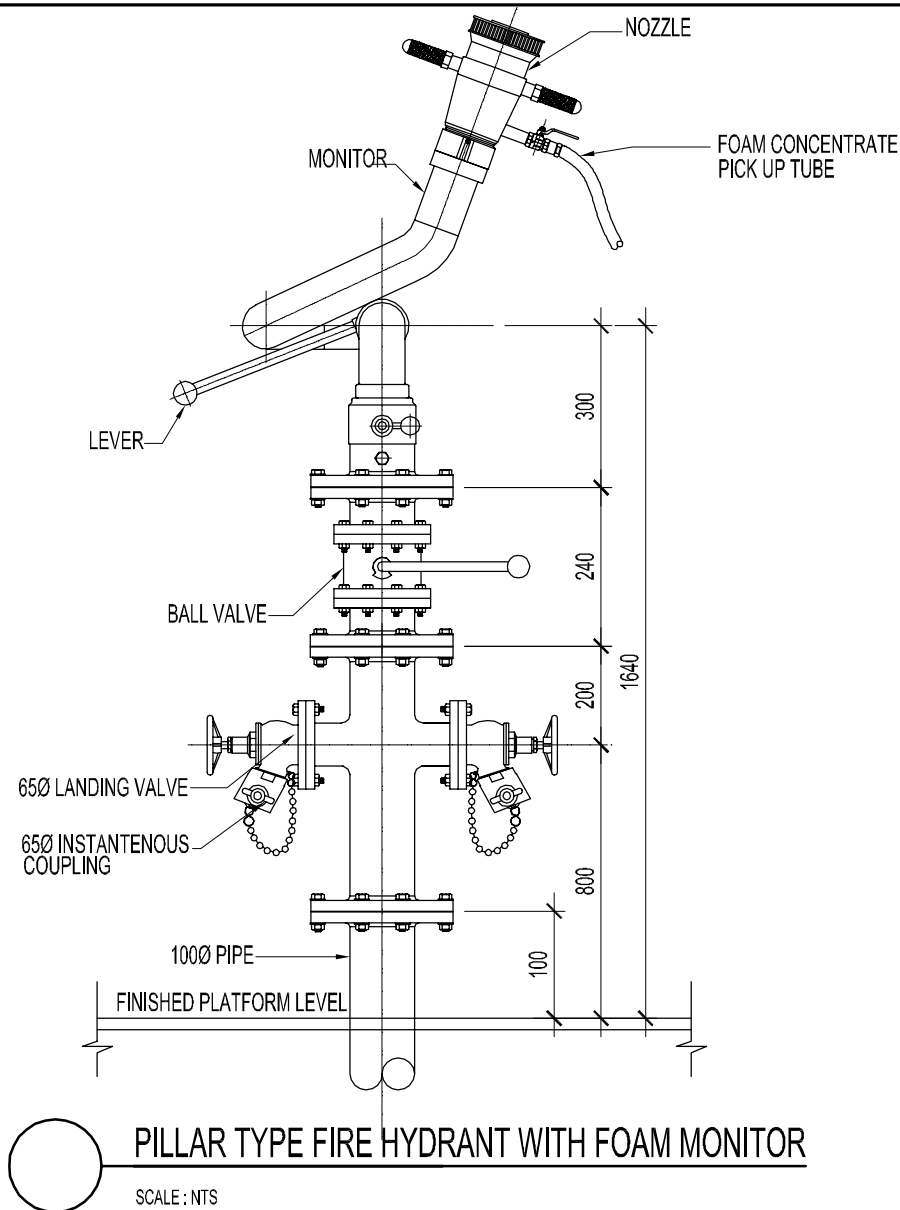
SCALE : NTS

Drawing Title		
DETAIL OF DUAL PRESSURE REDUCING VALVE STATION		
Rev	Date	Description
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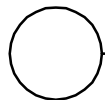
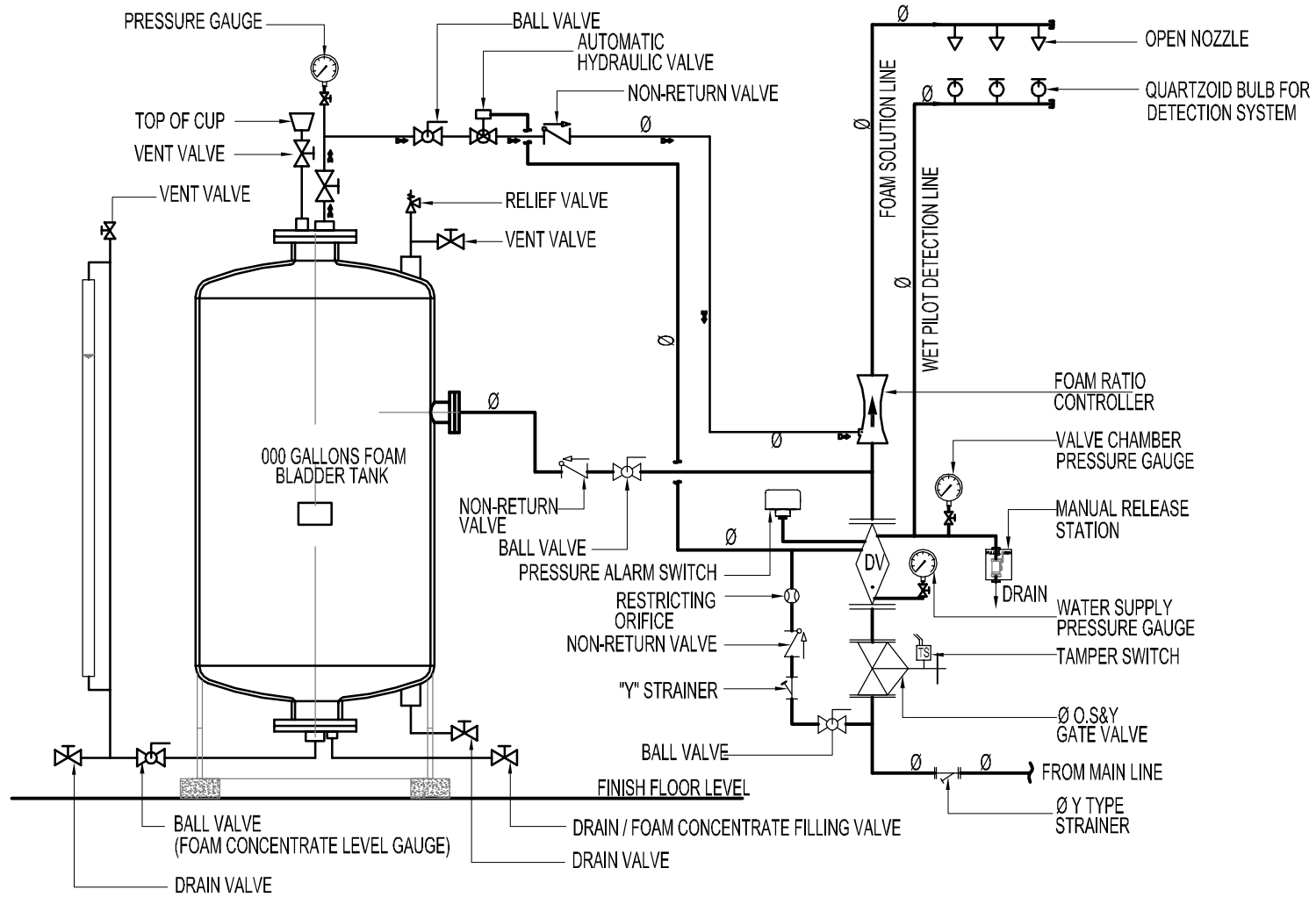


Drawing Title		
PILLAR NTYPE FIRE HYDRANT WITH FOAM MONITOR		
Rev	Date	Description
A	01/22/2009	

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FOAM WATER SYSTEM SCHEMATIC DIAGRAM

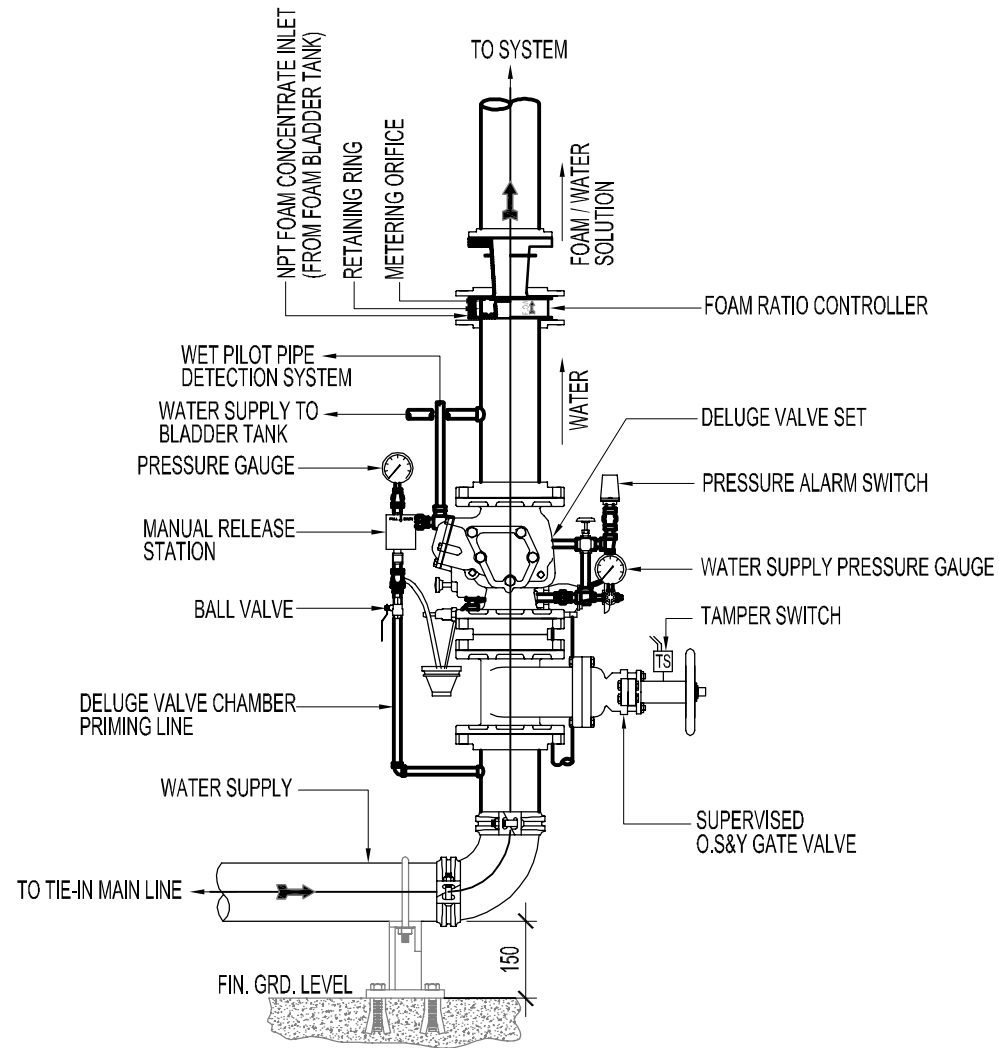
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Drawing Title		
FOAM WATER SYSTEM SCHEMATIC DIAGRAM		
Rev	Date	Description
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DETAIL OF DELUGE VALVE FOR FOAM WATER SYSTEM

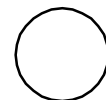
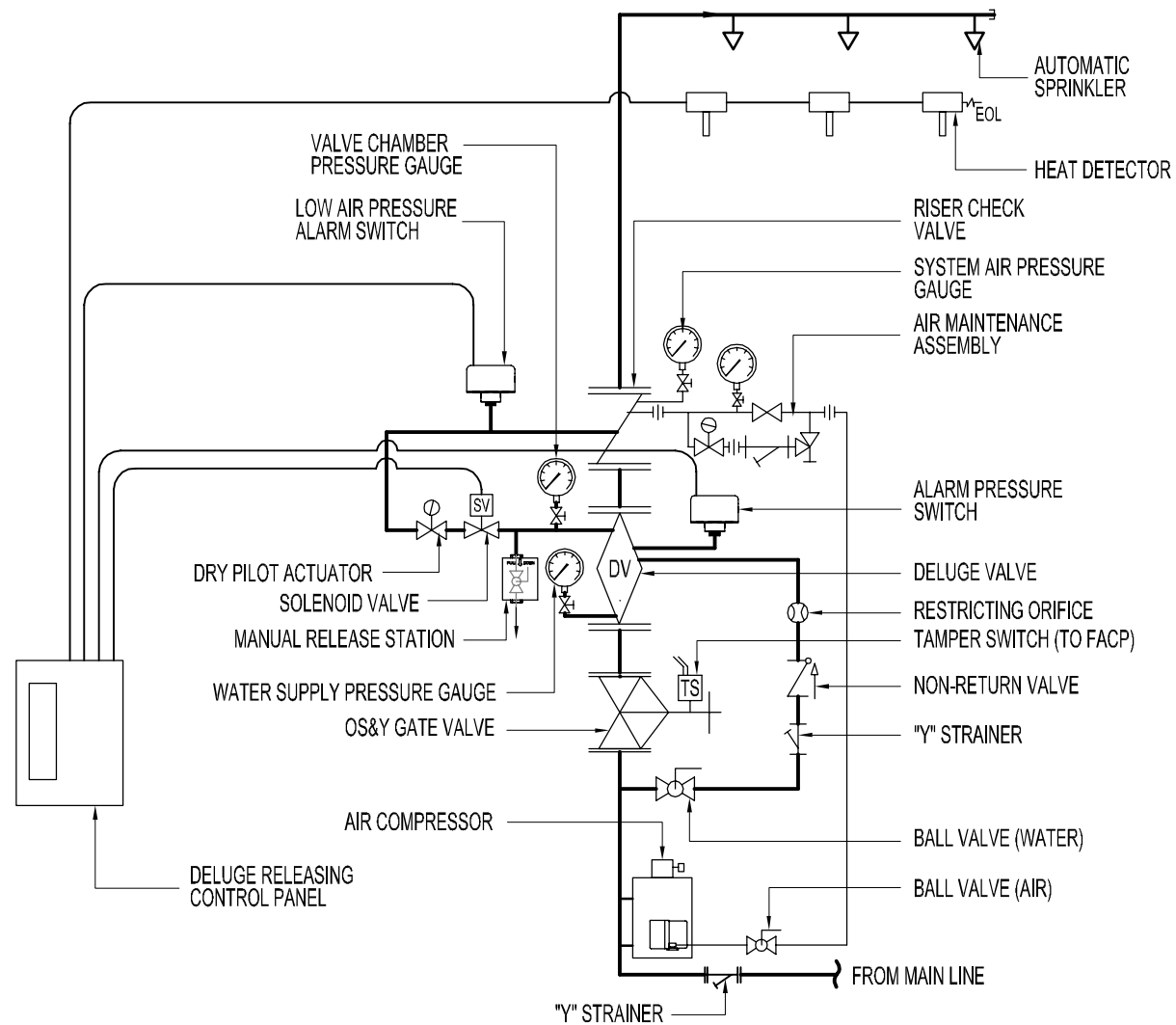
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Drawing Title		
DETAIL OF DELUGE VALVE FOR FOAM WATER SYSTEM		
Rev	Date	Description
AA	01/22/2009	

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Standard Detail No. FP-44		Rev: A



PRE-ACTION SYSTEM SCHEMATIC DIAGRAM

SCALE : NTS

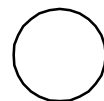
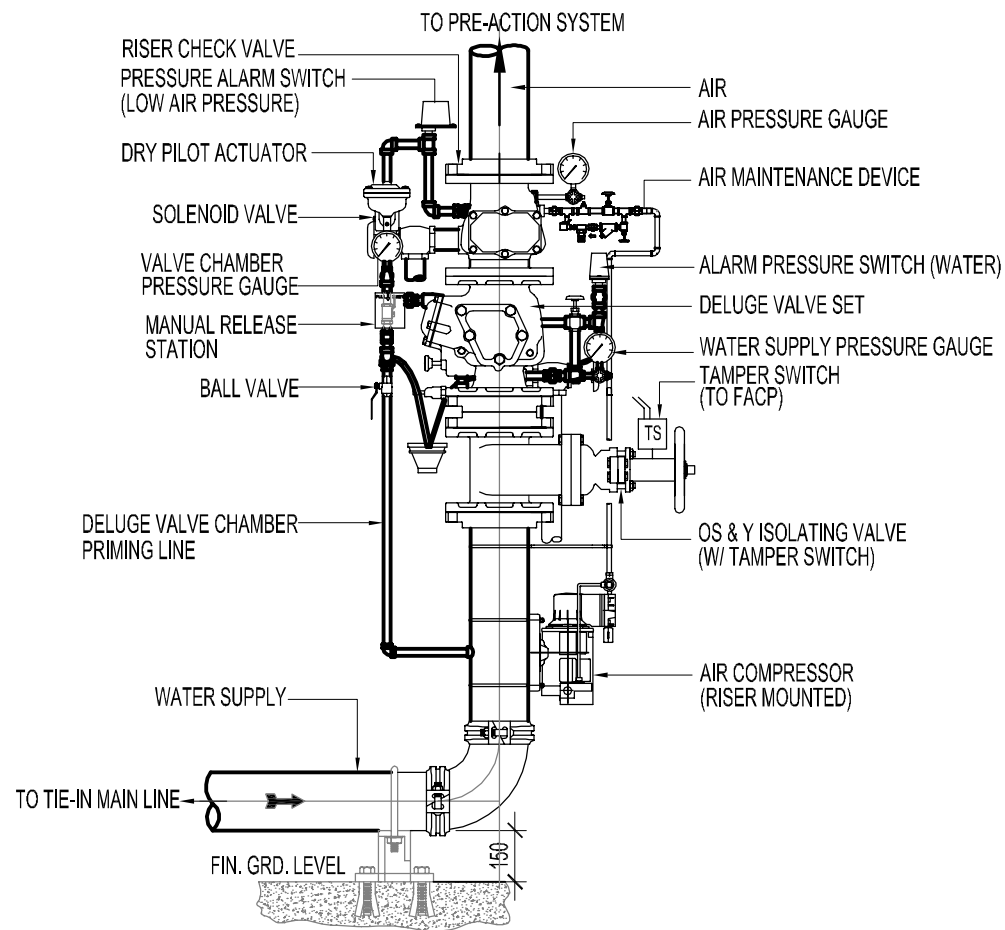
Drawing Title
PRE-ACTION SYSTEM SCHEMATIC DIAGRAM

Rev	Date	Description
A	01/22/2009	

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Standard Detail No. FP-45	Rev: A	



DETAIL OF DELUGE VALVE FOR PRE-ACTION SYSTEM

SCALE : NTS

Drawing Title		
DETAIL OF DELUGE VALVE FOR PRE-ACTION SYSTEM		
Rev	Date	Description
A	01/22/2009	

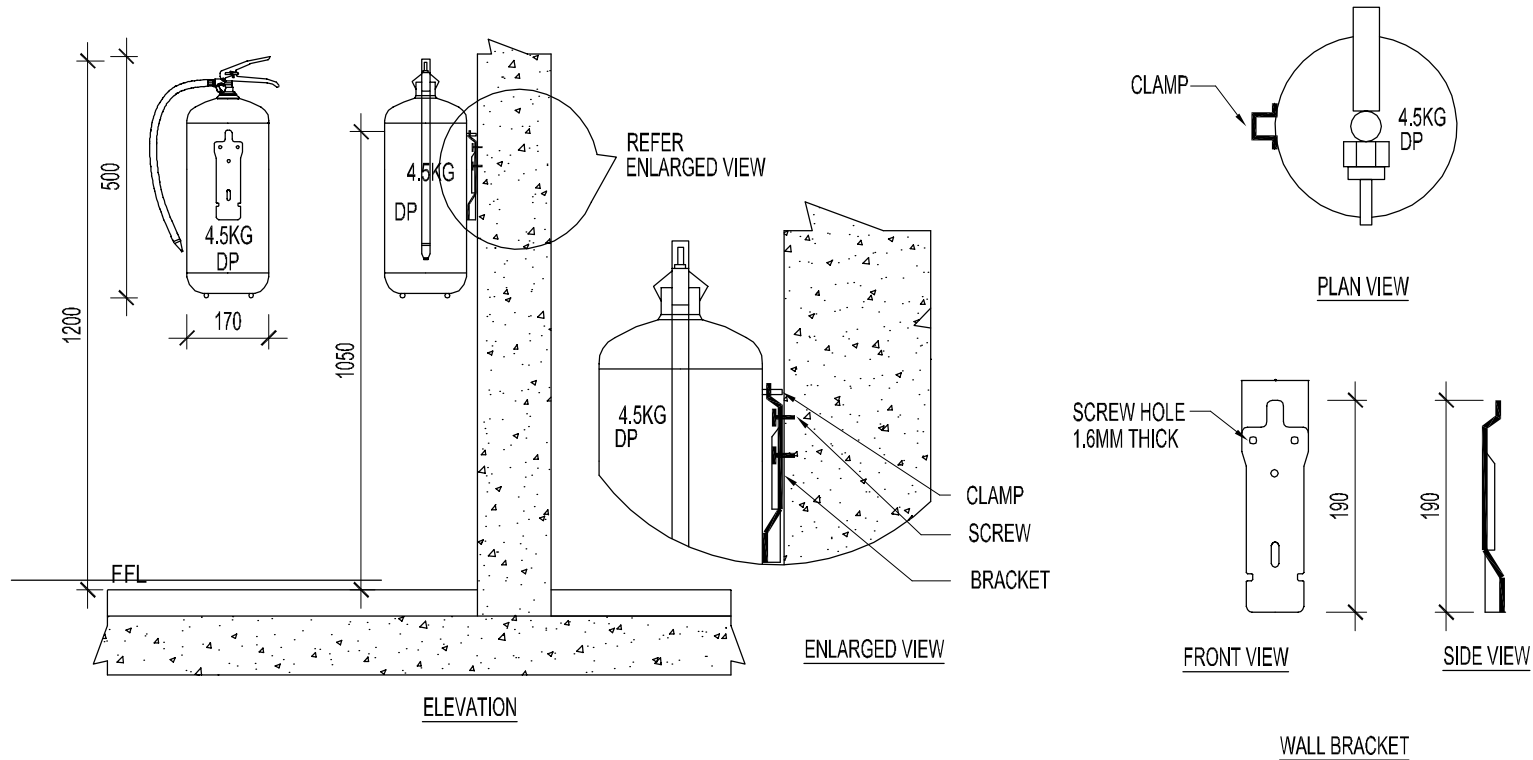
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Standard Detail No. FP-46		Rev: A



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Authorized By: DS	Date: 01/22/2009	
Checked By: NS	Date: 01/22/2009	
Drawn By: ER	Date: 01/22/2009	
Standard Detail No. FP-47		Rev: A



DCP WALL MOUNTING DETAIL

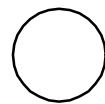
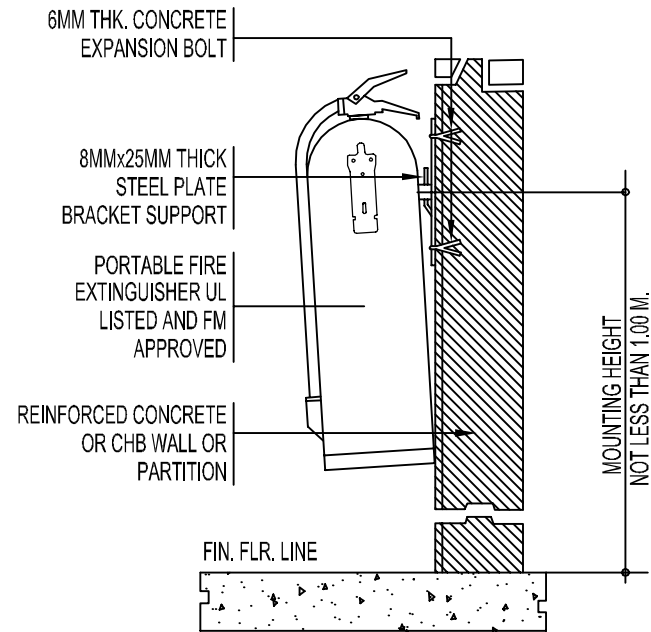
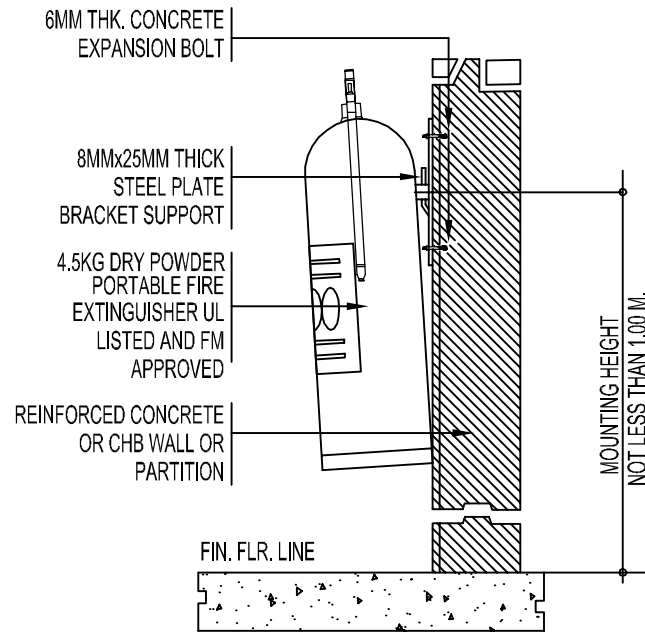
SCALE : NTS

Drawing Title		
DCP WALL MOUNTING DETAIL		
Rev	Date	Description
A	01/22/2009	

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Drawn By: ER	Date: 01/22/2009	
Standard Detail No. FP-48		Rev: A



PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL

SCALE : NTS

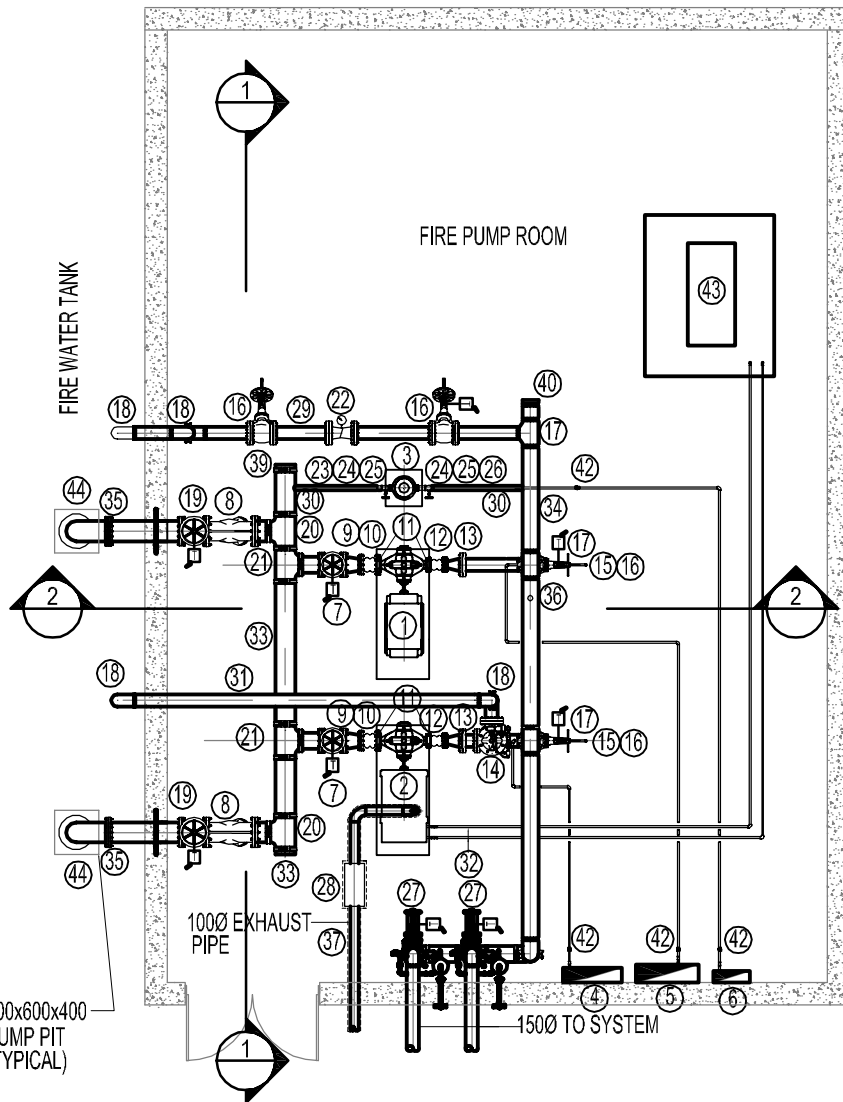
Drawing Title
PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL

Rev	Date	Description
A	01/22/2009	

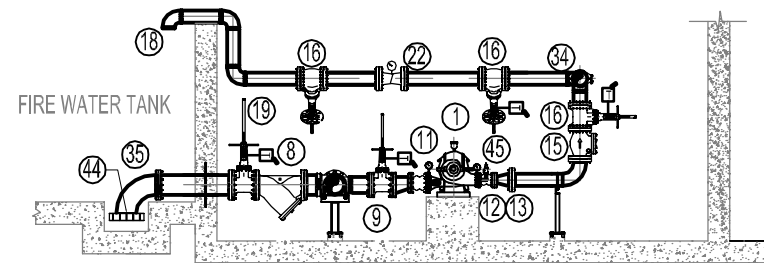
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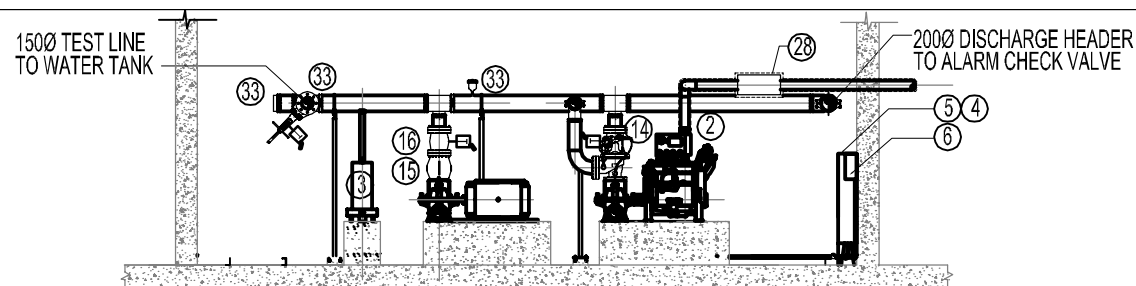
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Authorized By: DS	Date: 01/22/2009	
Checked By: NS	Date: 01/22/2009	
Drawn By: ER	Date: 01/22/2009	
Standard Detail No. FP-49		Rev: A



ELECTRIC & DIESEL ENGINE PUMP ROOM LAYOUT



SECTION 1 - 1



SECTION 2 - 2

MATERIAL SCHEDULE

①	ELECTRIC MOTOR DRIVEN PUMP	①⑥	1500 O S & Y GATE VALVE	③①	1500 RELIEF LINE PIPE
②	DIESEL ENGINE DRIVEN PUMP	①⑦	200 x 150 TEE	③②	200 DIESEL ENGINE FUEL SUPPLY PIPE
③	JOCKEY PUMP	①⑧	1500 90° ELBOW	③③	2500 SUCTION HEADER
④	DIESEL ENGINE CONTROL PANEL	①⑨	2500 O S & Y GATE VALVE	③④	2000 DISCHARGE HEADER
⑤	ELECTRIC MOTOR CONTROL PANEL	②①	2500 EQUAL TEE	③⑤	2500 PADDLE FLANGE
⑥	JOCKEY PUMP CONTROL PANEL	②②	1500 FLOW METER	③⑥	AUTOMATIC AIR VENT
⑦	2000 O S & Y GATE VALVE	②③	500 GATE VALVE	③⑦	1000 DIESEL ENGINE EXHAUST PIPE
⑧	2500 Y-STRAINER	②④	500 Y-STRAINER	③⑧	200 SENSING LINE
⑨	200 x 150 ECCENTRIC REDUCER	②⑤	500 FLEXIBLE COUPLING	③⑨	2500 BLIND FLANGE
⑩	1500 FLEXIBLE COUPLING	②⑥	500 CHECK VALVE	④①	50 x 20 TEE
⑪	PRESSURE GAUGE	②⑦	1500 ALARM CHECK VALVE ASSEMBLY	④②	200 CHECK VALVE
⑫	1000 FLEXIBLE COUPLING	②⑧	DIESEL ENGINE EXHAUST PIPE MUFFLER	④③	DIESEL ENGINE FUEL TANK
⑬	150 x 100 CONCENTRIC REDUCER	②⑨	1500 TEST LINE PIPE	④④	VORTEX PLATE
⑭	1500 PRESSURE RELIEF VALVE	③①			
⑮	1500 CHECK VALVE	③②			

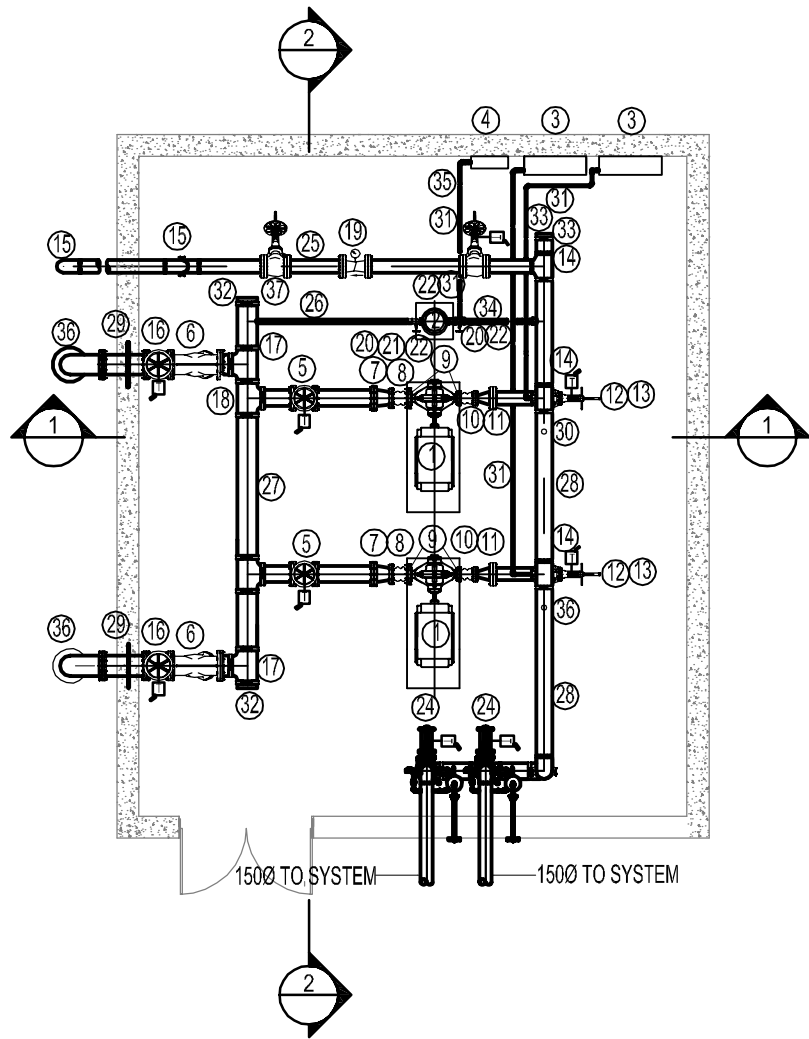
Drawing Title
ELECTRIC & DIESEL ENGINE PUMP ROOM LAYOUT

Rev	Date	Description
A	01/22/2009	

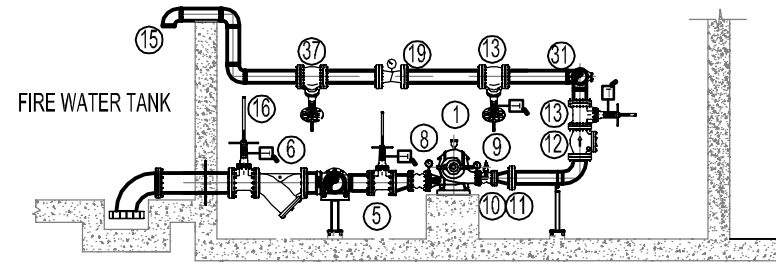
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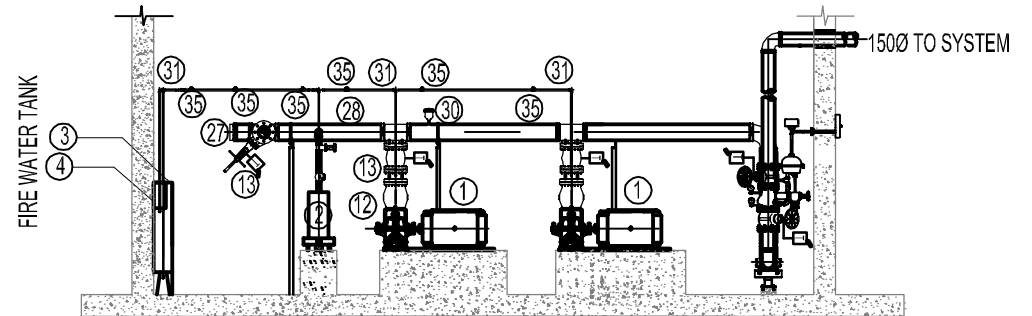
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Standard Detail No. FP-50	Rev: A	



2 ELECTRIC MOTOR DRIVEN PUMP ROOM LAYOUT



SECTION 1 - 1



SECTION 2 - 2

MATERIAL SCHEDULE

①	ELECTRIC MOTOR DRIVEN PUMP	⑭	200 x 150 TEE	⑳	2500 SUCTION HEADER
②	JOCKEY PUMP	⑮	1500 90° ELBOW	㉑	2000 DISCHARGE HEADER
③	ELECTRIC PUMP CONTROL PANEL	⑯	2500 O S & Y GATE VALVE	㉒	2500 PADDLE FLANGE
④	JOCKEY PUMP CONTROL PANEL	⑰	2500 EQUAL TEE	㉓	AUTOMATIC AIR VENT
⑤	2000 O S & Y GATE VALVE	⑱	250 x 200 TEE	㉔	200 SENSING LINE
⑥	2000 Y-STRAINER	㉀	500 GATE VALVE	㉕	2500 BLIND FLANGE
⑦	200 x 150 ECCENTRIC REDUCER	㉁	500 Y-STRAINER	㉖	2000 BLIND FLANGE
⑧	1500 FLEXIBLE COUPLING	㉂	500 FLEXIBLE COUPLING	㉗	50 x 20 TEE
⑨	PRESSURE GAUGE	㉃	500 CHECK VALVE	㉘	200 CHECK VALVE
⑩	1000 FLEXIBLE COUPLING	㉄	1500 ALARM CHECK VALVE ASSEMBLY	㉙	VORTEX PLATE
⑪	150 x 100 CONCENTRIC REDUCER	㉅	500 JOCKEY PUMP PIPE LINE	㉚	Ø150 GLOBE VALVE
⑫	1500 CHECK VALVE				
⑬	1500 O S & Y GATE VALVE				

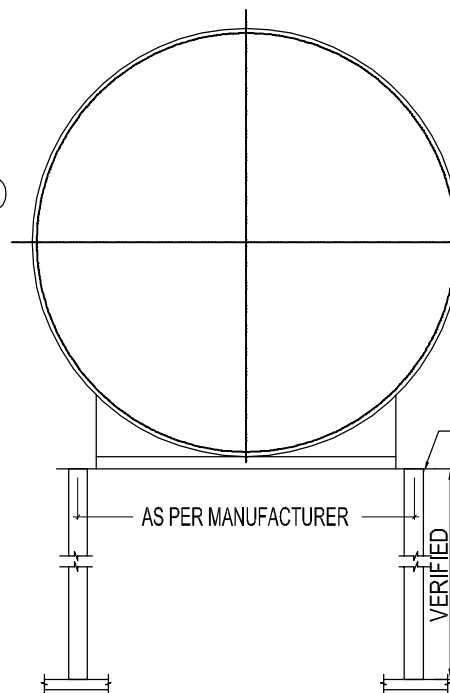
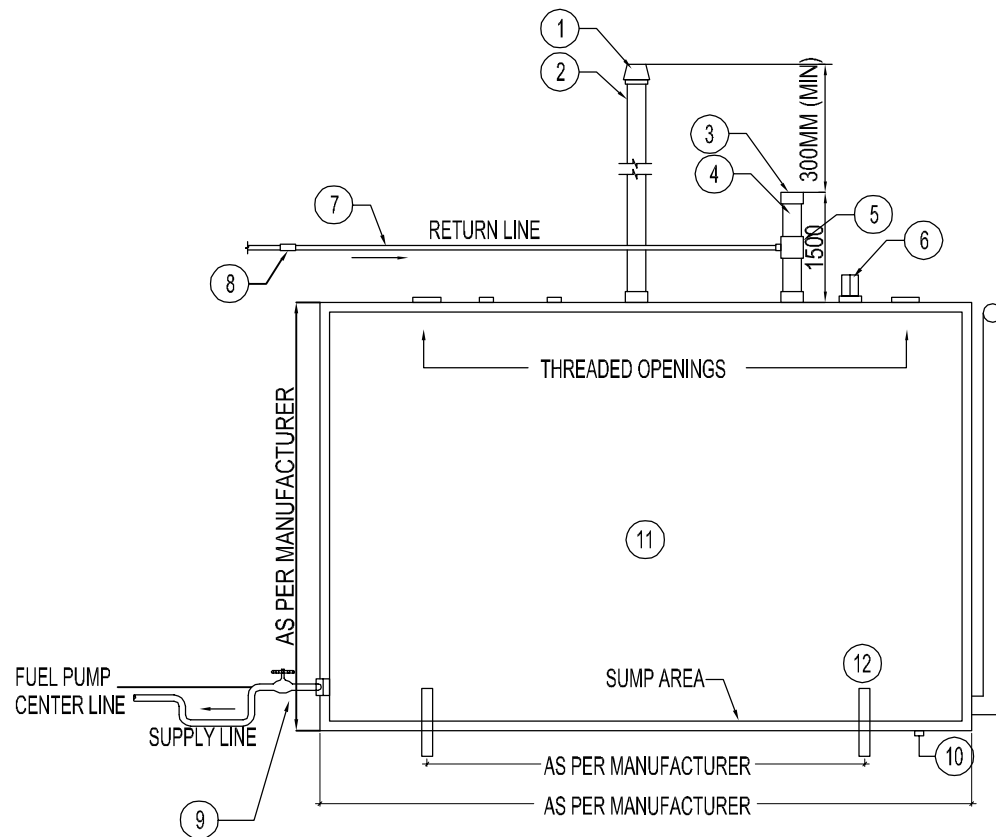
Drawing Title
2 ELECTRIC MOTOR DRIVEN PUMP ROOM LAYOUT

Rev	Date	Description
A	01/19/2009	

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- 1 FLAME ARRESTER
- 2 VENT PIPE -2" (51MM)
- 3 FILL CAP
- 4 FILL PIPE -2" (51MM)
- 5 REDUCER TEE- (50MMX50MMX15MM)
- 6 LEVEL GAUGE
- 7 FUEL LINE
- 8 CHECK VALVE
- 9 MANUAL VALVE
- 10 DRAIN PLUG-1"(25MM) NPT
- 11 FUEL TANK
- 12 TANK SUPPORT
- 13 MONITORING PIPE -2" (51MM)

51MM NPT
HALF COUPLING
(4 PLACES) 51MM PIPE
LEG SUPPLIED BY OTHER.

 **DIESEL FUEL TANK DETAIL**
SCALE : NTS

Drawing Title DIESEL FUEL TANK DETAIL		
Rev	Date	Description
A	01/22/2009	

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