

MECHANICAL LEGEND	
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK, EQUIPMENT, ETC. TO BE INSTALLED
	NEW DUCTWORK, EQUIPMENT, ETC. TO BE INSTALLED (SEE NOTE)
	FLEXIBLE CONNECTION
	REGISTER/DIFFUSER IDENTIFICATION
	EXISTING REGISTER/DIFFUSER IDENTIFICATION
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING 4-WAY CEILING DIFFUSER
	EXISTING CEILING REGISTER
	NEW 4-WAY CEILING DIFFUSER
	NEW CEILING REGISTER
	CEILING EXHAUST/RETURN REGISTER
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (WITH ACCESS DOOR)
	FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
	EXISTING HOT WATER SUPPLY PIPING
	EXISTING HOT WATER RETURN PIPING
	NEW HOT WATER SUPPLY PIPING
	NEW HOT WATER RETURN PIPING
	FLOW DIRECTION WITHIN PIPE
	SHUT OFF VALVE
	EXISTING EXHAUST FAN IDENTIFICATION
	EXISTING CABINET HEATER IDENTIFICATION
	NEW CABINET HEATER IDENTIFICATION
	EXISTING FINNED TUBE RADIATION IDENTIFICATION
	NEW DDC WALL MTD. (5'-2" +/- A.F.F.) TEMPERATURE SENSOR
	EXISTING PNEUMATIC THERMOSTAT
	EXISTING DDC SENSOR
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
	DOOR UNDERCUT BY C.C.
	LOW DOOR LOUVER BY C.C.
	CUBIC FEET PER MINUTE
	CEILING DIFFUSER
	CEILING REGISTER
	BOTTOM WALL REGISTER
	TOP WALL REGISTER
	FULL SIZE CONNECTION
	ABOVE FINISHED FLOOR
	OUTSIDE AIR INTAKE
	FLEXIBLE CONNECTION
	ACCESS DOOR
	ITEM CONTROLLED WALL MOUNTED (5'-2" AFF) TEMPERATURE SENSOR
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	DRAWING NUMBER
	SECTION/ELEVATION IDENTIFICATION
	EXISTING TO REMAIN
	EXISTING TO BE RELOCATED
	REMOVE EXISTING

#### MECHANICAL REMOVAL NOTES:

- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

#### HVAC CRITERIA:

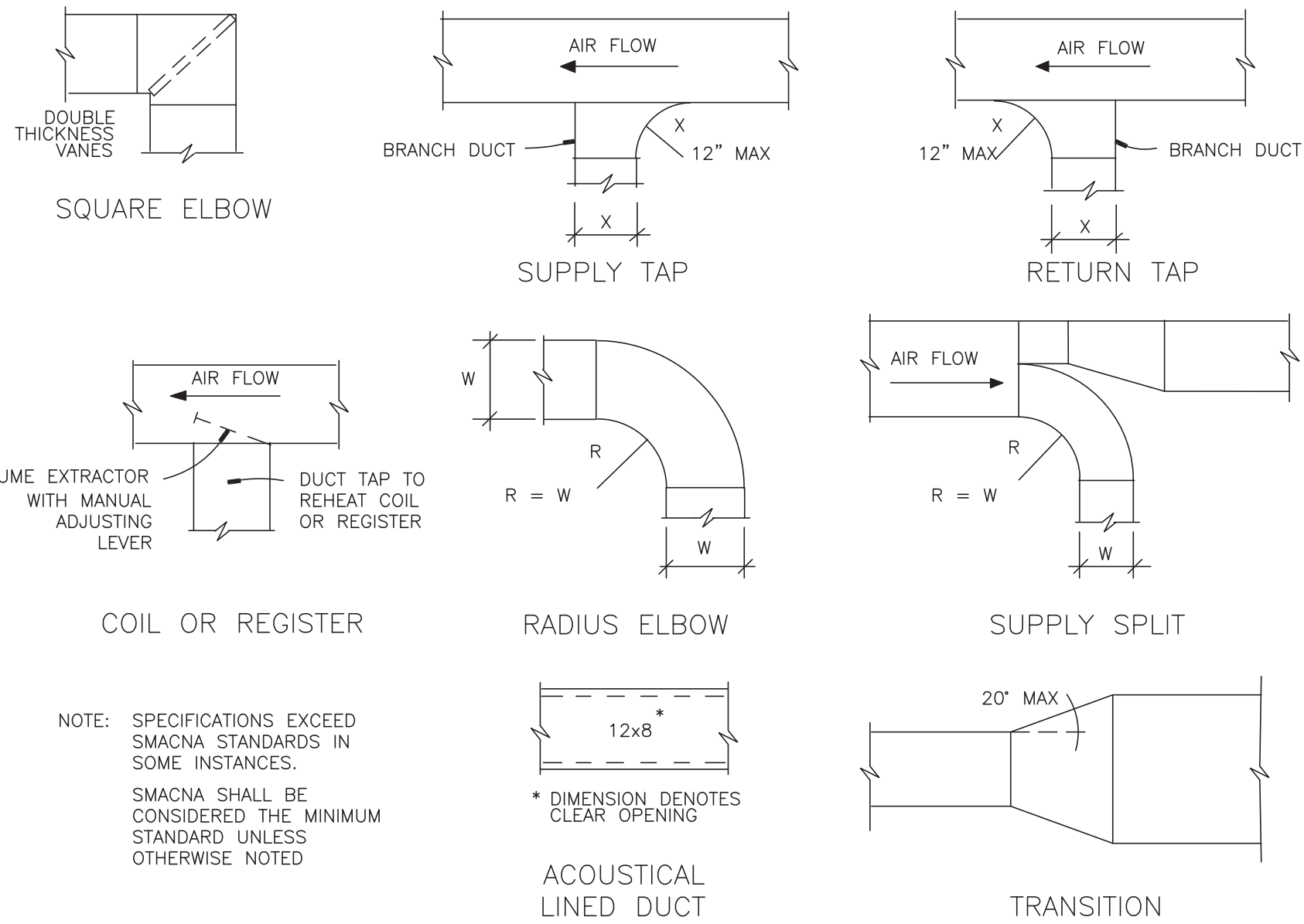
EXHAUST: 12 AC/HR TOILETS MIN 75 PER TOILET. INLINE FANS.

DUCTWORK SIZED ON MAXIMUM 0.1"/100 FEET.

#### SCHEDULE OF EXHAUST FAN

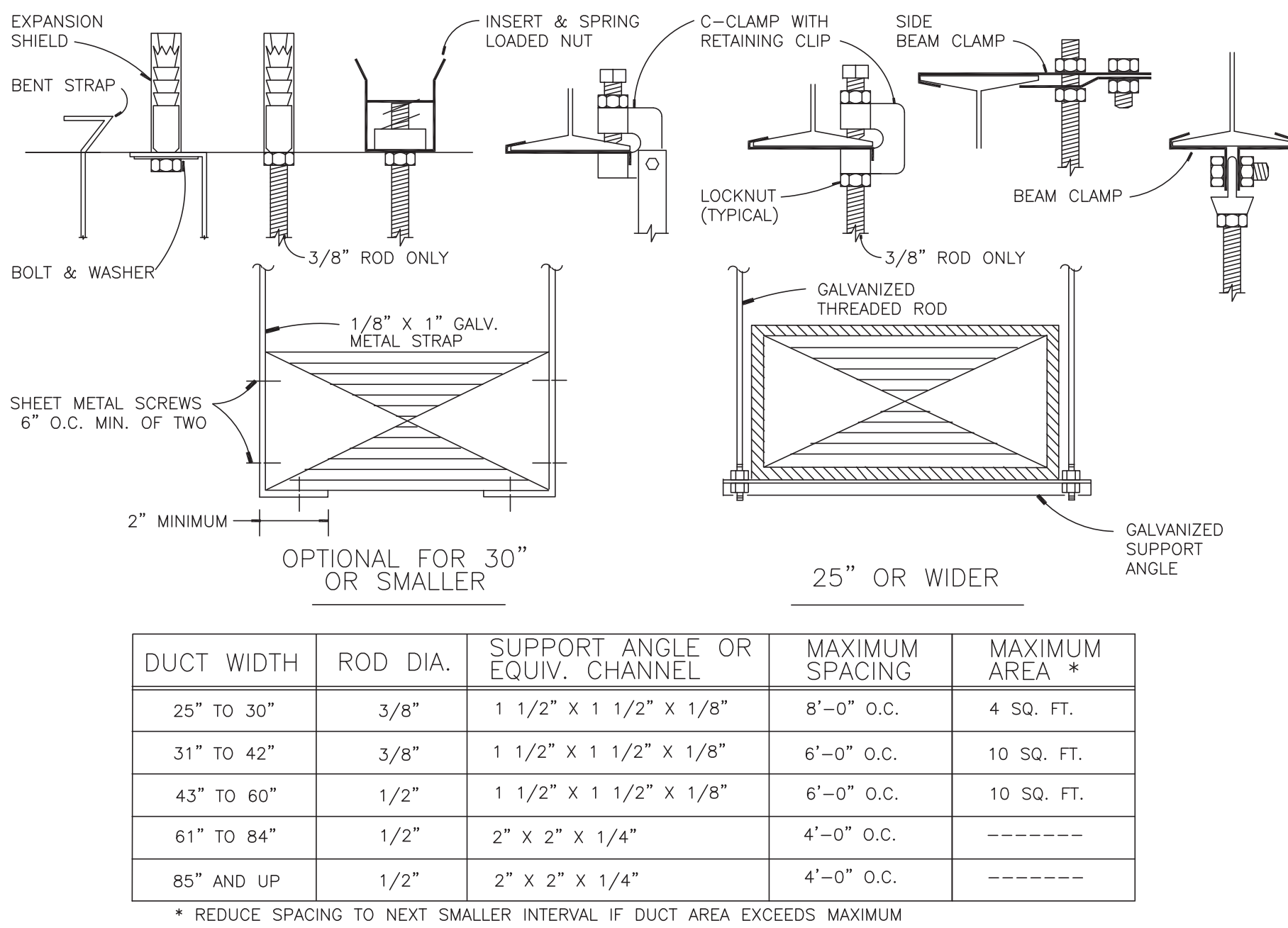
MARK	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	RPM	HP	ELECTRIC SERVICE	REMARKS
EF 1	EXHAUST	MEN'S TOILET	DIRECT	SP-A90-130-VG	110	960	-	115/1/60	REFER TO 230306
EF 2	EXHAUST	WOMEN'S TOILET	DIRECT	SP-A90-130-VG	110	960	-	115/1/60	REFER TO 230306

N ① AS MANUFACTURED BY "GREENHECK."  
 O ② INSTALL PER MANUFACTURERS RECOMMENDATIONS.  
 T ③ PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS.  
 E ④ INTERLOCK FAN CONTROL PROVIDED BY M-CONTRACTOR & INSTALLED E-CONTRACTOR.  
 S ⑤ PROVIDE ON/OFF/DISCONNECT SWITCHES. MINIMUM VENTILATION CONTROL ASHRAE 62.2 BY M-CONTRACTOR & INSTALLED E-CONTRACTOR.  
 ⑥ PROVIDE HOODED WALL CAP MODEL WC-10x3 W/ POWDER COATED FINISH.



#### DUCT CONSTRUCTION DETAILS

SCALE: N.T.S.



#### DUCT SUPPORT DETAIL

SCALE: N.T.S.

#### PLUMBING LEGEND

	EXISTING PIPING, FIXTURES, ETC. TO REMAIN
	EXISTING PIPING, FIXTURES, ETC. TO BE REMOVED
	NEW PIPING, FIXTURES, ETC.
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
	SANITARY PIPING
	EXISTING SANITARY PIPING
	EXISTING WATER PIPING
	EXISTING GAS PIPING
	GAS PIPING
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	CLEANOUT DECK PLATE
	SHUT-OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	CHECK VALVE
	GAS SHUT OFF COCK
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	PLUMBING FIXTURE IDENTIFICATION
	VENT THRU ROOF
	EXISTING FLOOR DRAIN
	FLOOR DRAIN
	EXISTING CLEAN OUT
	CLEAN OUT
	GENERAL CONTRACTOR
	PLUMBING CONTRACTOR
	POINT OF CONNECTION
	PART PLAN, DETAIL, SECTION NUMBER
	DRAWING NUMBER
	SECTION IDENTIFICATION

#### PLUMBING FIXTURE SCHEDULE

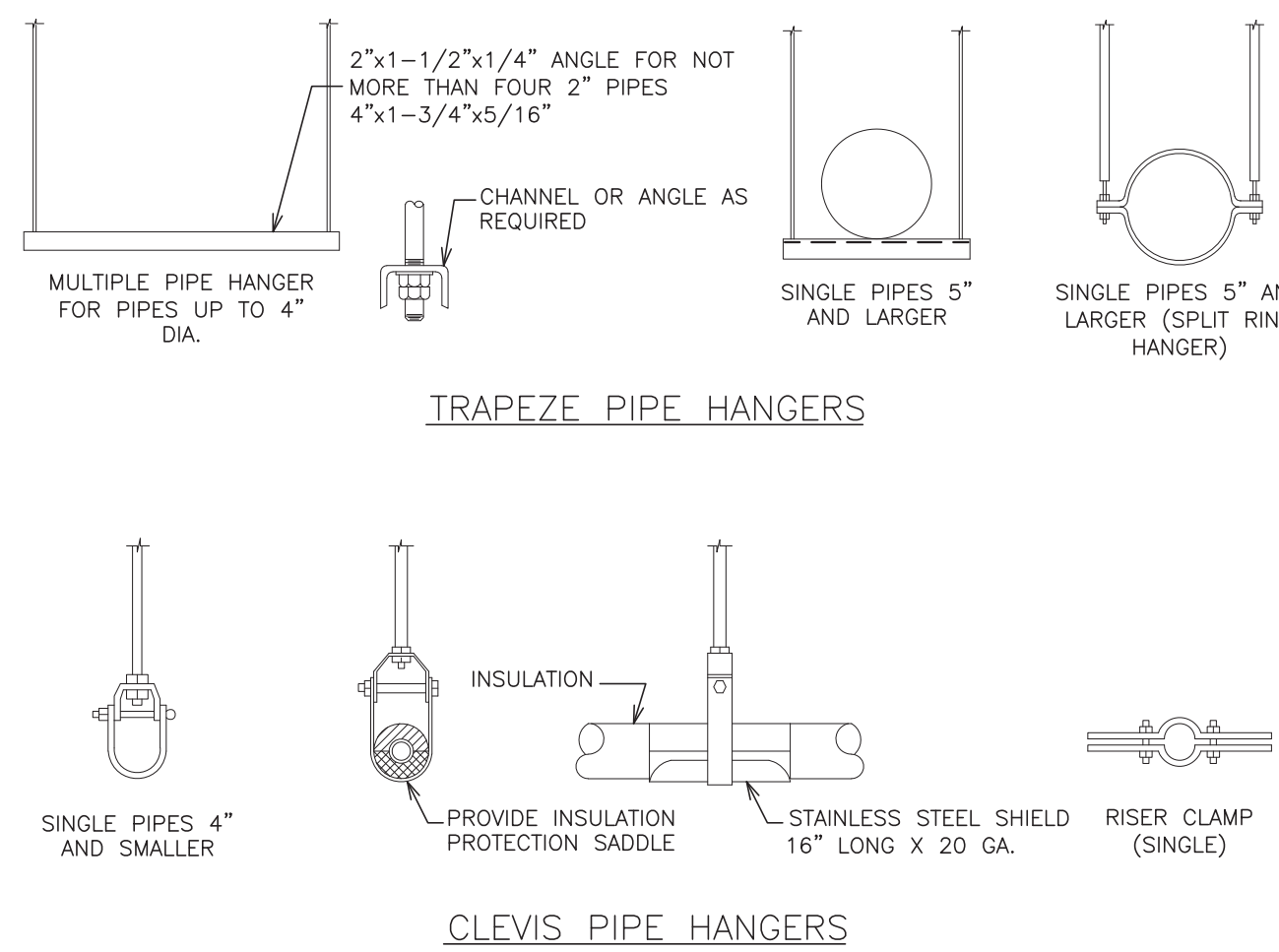
MARK	DESCRIPTION	W	V	H	C
A1	WALL MOUNTED WATER CLOSET (FLUSH VALVE) (HANDICAPPED)	4"	2"	-	1"
A2	FLOOR MOUNTED WATER CLOSET (FLUSH VALVE) (HANDICAPPED)	4"	2"	-	1"
B1	WALL MOUNTED LAVATORY (FAUCET) (HANDICAPPED) W/ LAVATORY PROTECTIVE ENCLOSURE BY TRU-BRO MODEL LAV-SHIELD	1 1/2"	1-1/2"	1/2"	1/2"
C1	WALL MOUNTED URINAL (HANDICAPPED)	3"	2"	-	3/4"
H	HOSE BIB	-	-	-	1/2"
R	EXISTING FIXTURE TO REMAIN	-	-	-	-
X	EXISTING FIXTURE TO BE REMOVED	-	-	-	-

#### PLUMBING REMOVAL NOTES:

- REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
- WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THE ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL GAS, SANITARY, VENT, WATER, ACID WASTE AND PUMP DISCHARGE PIPING. REFER TO DIVISION 1 OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.
- WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
- ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.

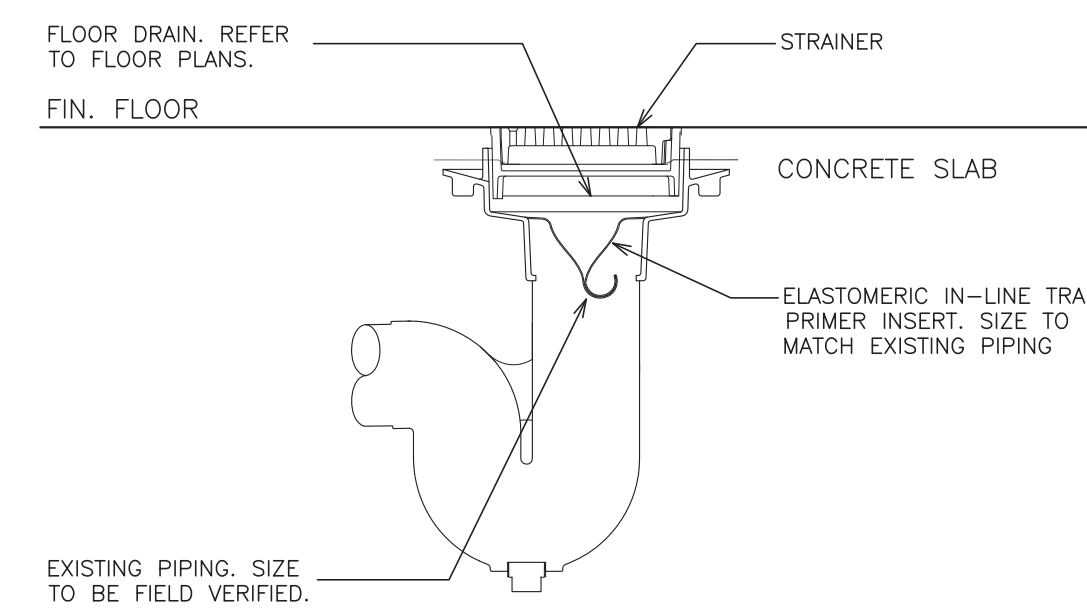
#### INSULATED PIPE HANGER DETAIL

SCALE: N.T.S.



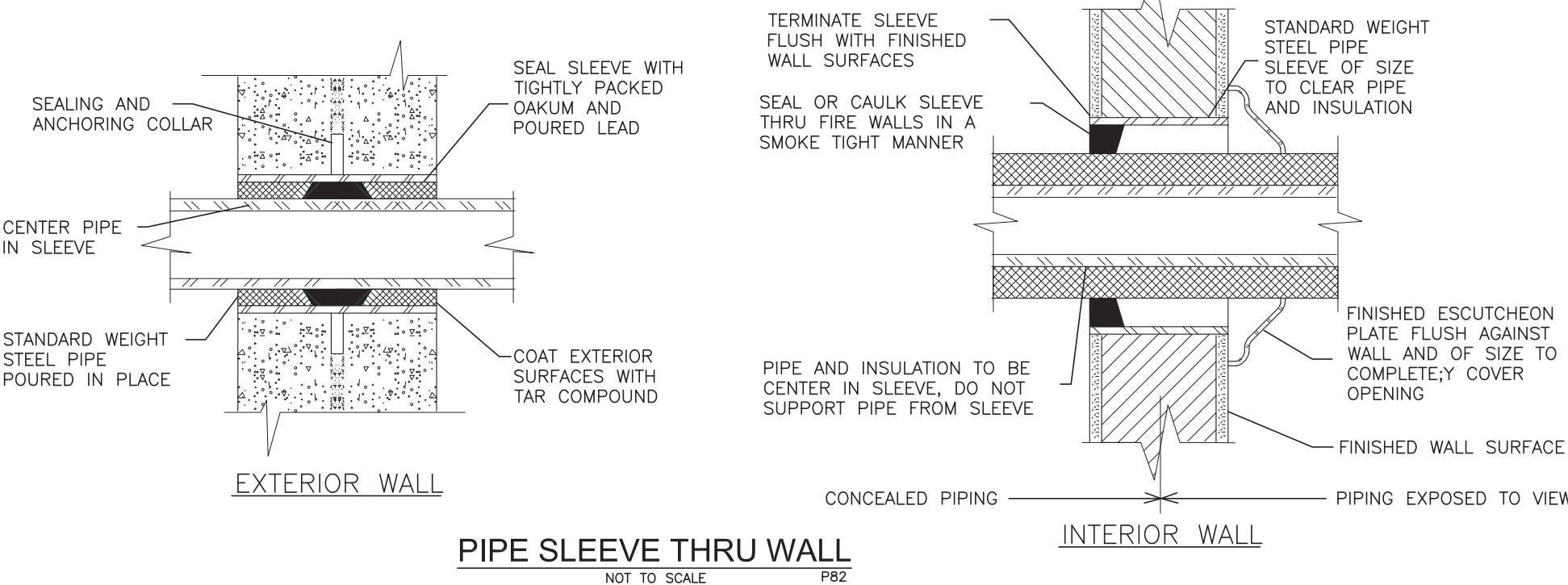
#### METHOD OF PIPE SUPPORT

SCALE: N.T.S.



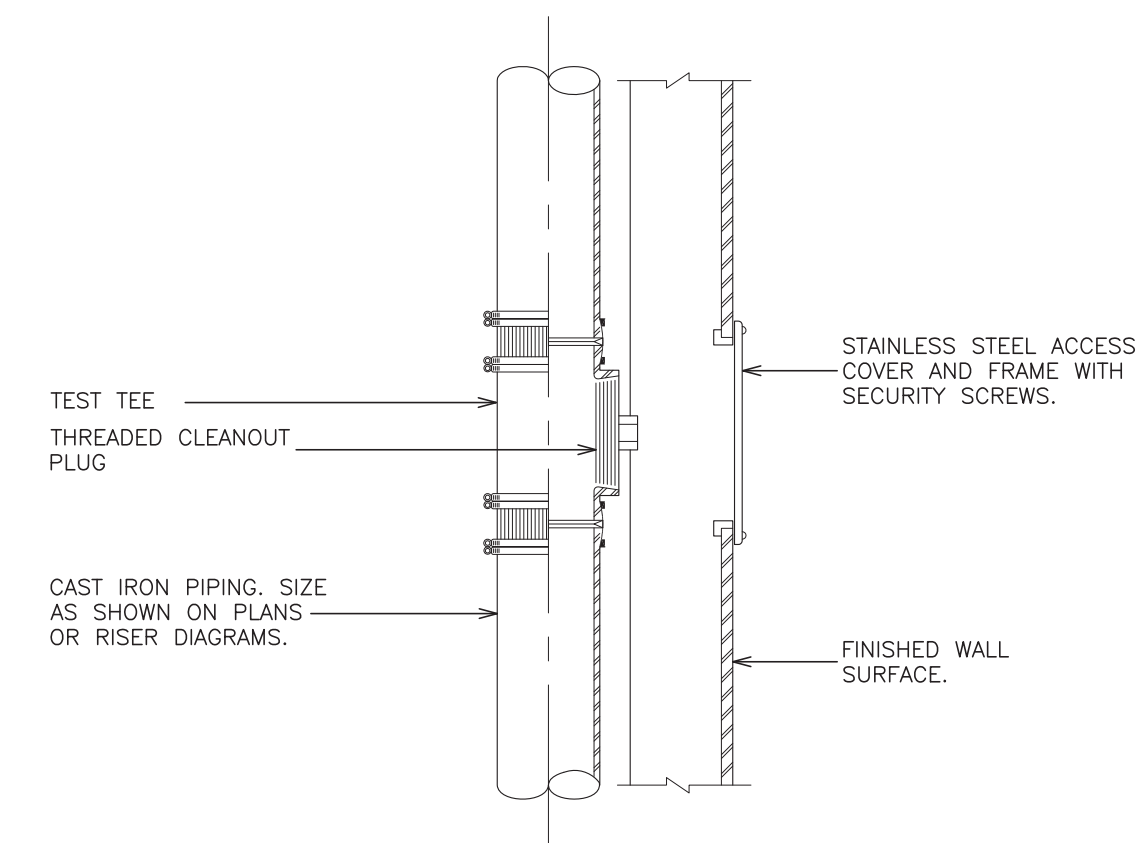
#### WATERLESS TRAP SEAL DETAIL

SCALE: N.T.S.



#### WALL CLEANOUT DETAIL

SCALE: N.T.S.



#### AIR CHAMBER & SHOCK ABSORBER LOCATIONS

SCALE: N.T.S.

