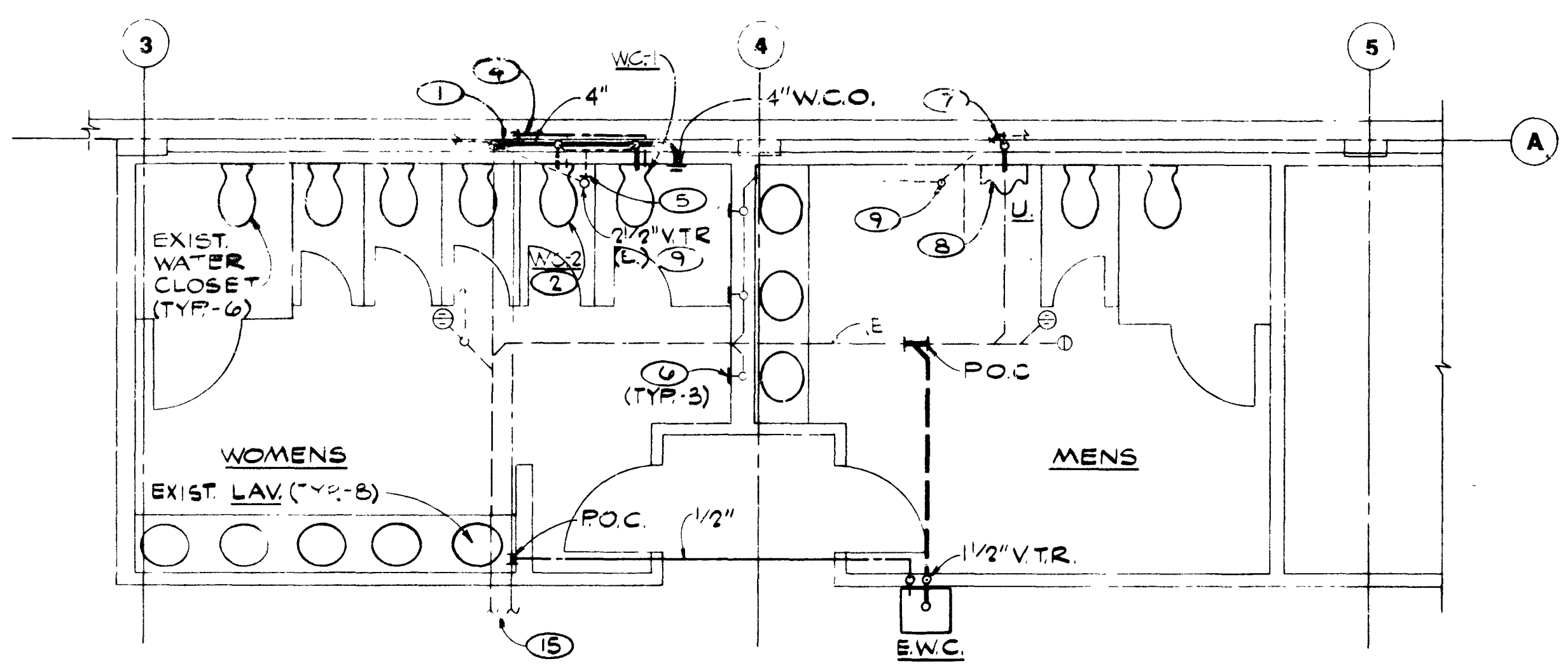
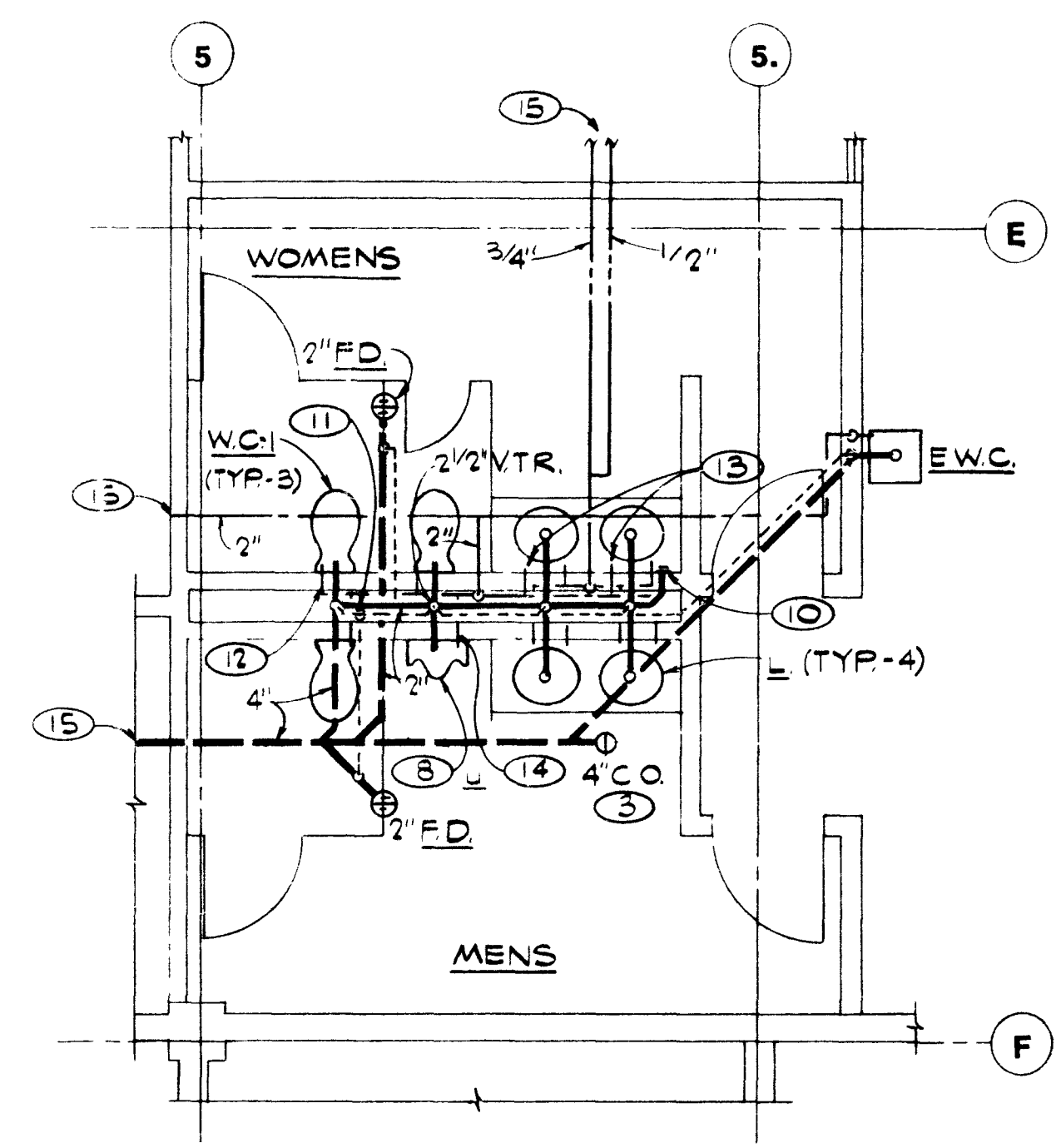


Drawing No.
Project No.



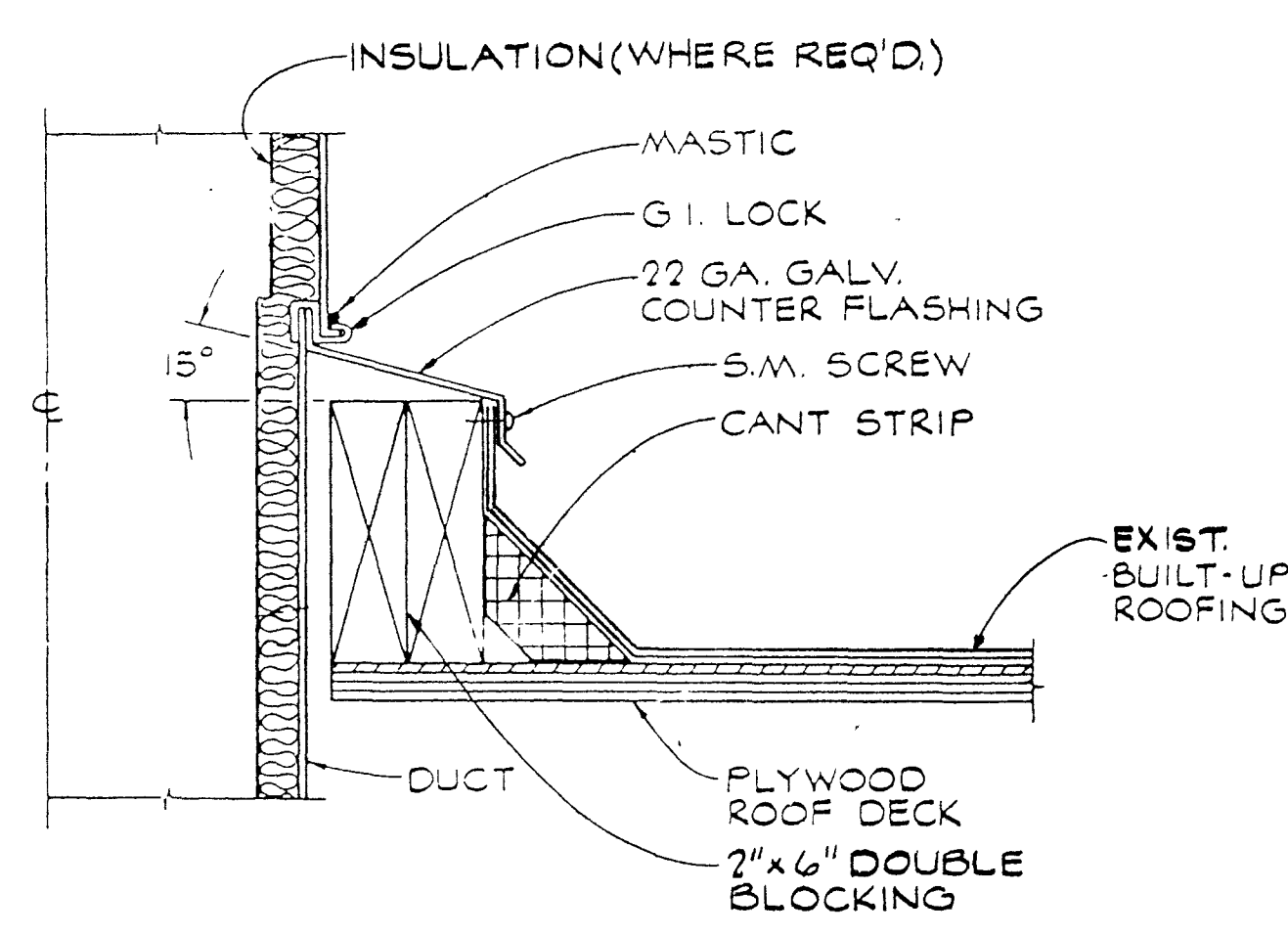
PLUMBING PART PLAN (A)
1/4" = 1'-0"



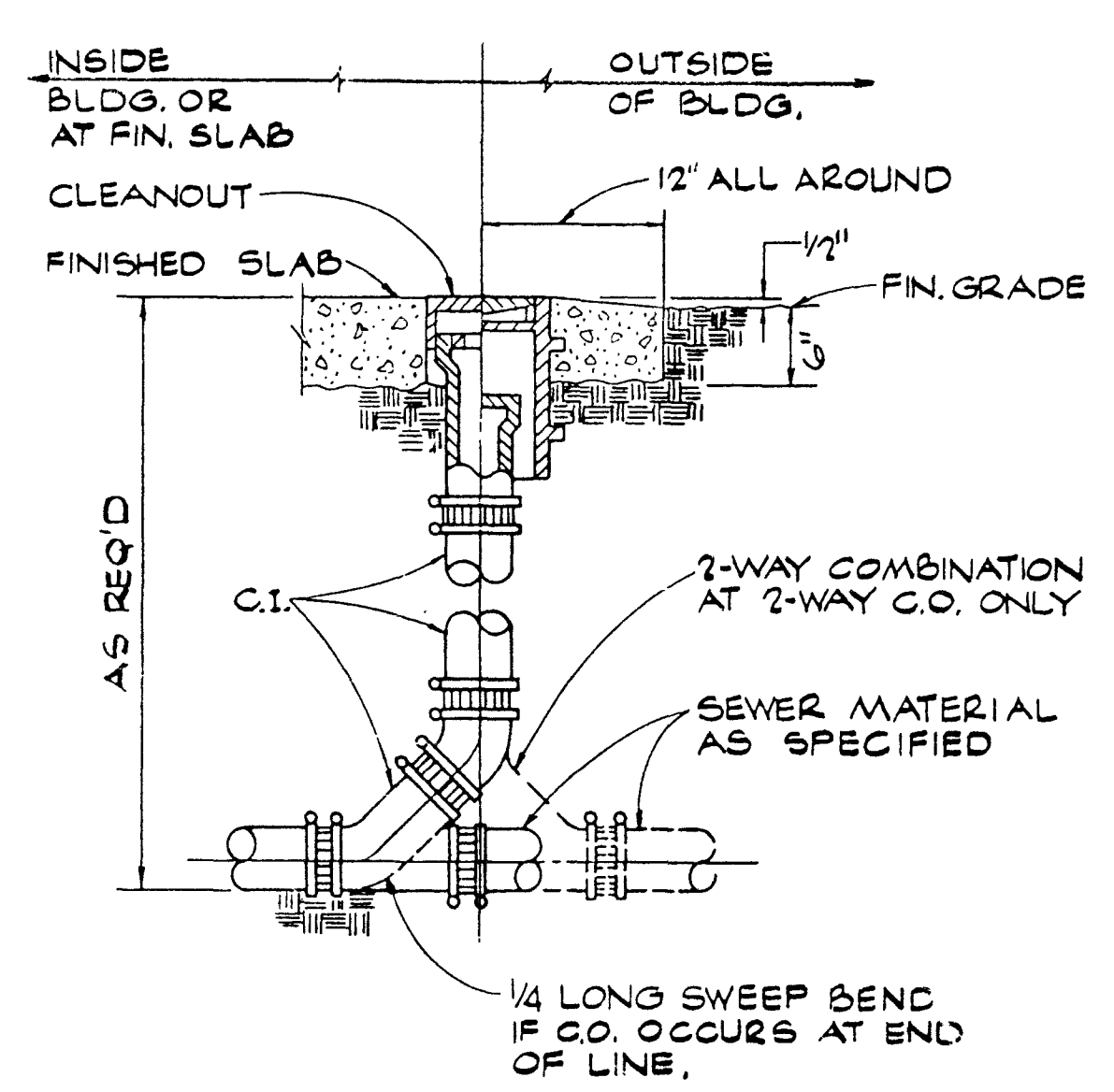
PLUMBING PART PLAN (B)
1/4" = 1'-0"

NOTES

1. P.O.C. TO EXISTING 4" W.
2. RELOCATE WC-2 FR. MEN'S TLT. RM. PROVIDE NEW HANGER ASSEMBLY.
3. 4" C.O., SEE (M-1)
4. P.O.C. TO EXIST. 2" C.W.
5. P.O.C. TO EXIST. 2 1/2" VTR.
6. CAP W. FR. V. AND PATCH WALL.
7. P.O.C. TO EXIST. VENT.
8. RELOCATE U. FROM WOMEN'S TLT. RM. PROVIDE NEW HANGER ASSEMBLY.
9. EXIST. V.T.R. TO REMAIN.
10. 2" WCO UNDER COUNTER.
11. 1 1/2" V. UP FR. BEL. SLAB.
12. 1" C.W.
13. 1/2" C.W., HW
14. 3/4" CW
15. SEE SHT. M-2 FOR CONT.



DUCT PENETRATION DETAIL (1)
NO SCALE



CLEANOUT TO GRADE (2)
NO SCALE

MECHANICAL EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION						
AC 1	CARRIER MOD. 48DJ008 PACKAGED GAS/ELECT. AIR CONDITIONING UNIT FOR 77.5 MBH SEV. COOLING CAPACITY W/ 80.8 FDB/63.8 FMB EXT. AIR, 110°F AMBIENT, FAN SECTION FOR 300 CFM @ 0.5" S.P. W/ 1 HP MTR. HEATING SECTION FOR 120 MBH NAT. GAS INPUT, 95 MBH HEATING OUTPUT. FURN. W/ ECONOMIZER & FACTORY 2-STAGE T-STAT. UNIT FOR 208V/1Ø, 850# MAX. OPER. WT.						
AC 2	CARRIER MOD. 48NLO1F PACKAGED GAS/ELECT. AIR CONDITIONING UNIT FOR 14.4 MBH SENSIBLE COOLING CAPACITY W/ 82.7 FDB/64.2 FMB EXT. AIR, 110°F AMBIENT, FAN SECTION FOR 600 CFM @ 0.5" S.P. W/ 1/3 HP MTR. HEATING SECTION FOR 40 MBH NAT. GAS INPUT, 31 MBH HEATING OUTPUT. FURN. W/ AUTO-CHANGEOVER T-STAT. UNIT FOR 208V/1Ø SERVICE, 150# MAX. OPER. WT.						
EF 1	GREENHECK MOD. CSP-162 IN-LINE EXHAUSTER FOR 500 CFM @ 0.5" S.P. W/ 2.8 AMP, 290 WATT, 115V/1Ø, 1140 RPM MTR. FURN. W/ BACKDRAFT DAMPER & FACTORY ROOF JACK.						
EP 2	GREENHECK MOD. SP-125 CEILING EXHAUSTER FOR 250 CFM @ 0.15" S.P. W/ 1.0 AMP, 76 WATT, 115V/1Ø, 1030 RPM MTR. FURN. W/ PLASTIC GRILLE, BACKDRAFT DAMPER & FACTORY ROOF JACK.						
EP 3							
DIFFUSER & REGISTER SCHEDULE							
SUPPLY AIR				RETURN or EXHAUST AIR			
ITEM	NECK SIZE	CFM RANGE	TYPE	ITEM	NECK SIZE	CFM RANGE	TYPE
(1)	6/6	0 - 125	A	(1)	6/6	0 - 150	D
(2)	8/8	126 - 275	A	(2)	8/8	151 - 275	D
(3)	10/10	276 - 350	A	(3)	10/10	276 - 350	D
(4)	12/12	351 - 500	A	(4)	12/12	351 - 500	D
(5)	15/15	501 - 800	A	(5)	8/8	150 - 275	E
(6)	12/12 EXIST	ADJUST PER PLANS	B	(6)	10/10	276 - 350	E
(7)	15/15 EXIST	ADJUST PER PLANS	B	(7)	12/12	351 - 500	E
(8)	8/8	126 - 275	C	(8)	15/15	501 - 800	E
(9)	10/10	276 - 350	C				
(10)	12/12	351 - 500	C				
(11)	15/15	501 - 800	C				
DIFFUSER & REGISTER TYPES							

DIFFUSER & REGISTER TYPES

- TYPE A: METALAIRIE SERIES 5000 LOUVERED FACE DIFFUSER W/ O.B.D. FOR GYP. BD. CLGS.
- TYPE B: EXISTING DIFFUSER TO BE ADJUSTED TO THE NEW AIR QUANTITY SHOWN ON DRAWINGS.
- TYPE C: METALAIRIE SERIES 7000 PERFORATED FACE DIFFUSER W/ O.B.D. FOR TEE BAR CLGS.
- TYPE D: METALAIRIE SERIES RH LOUVERED FACE RETURN GRILLE W/ 45° FIXED DEFLECTING VANES.
- TYPE E: METALAIRIE SERIES 7000 PERFORATED FACE REGISTER.

GENERAL NOTES

1. DO NOT SCALE DRAWINGS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES. VERIFY LOCATIONS OF HANDICAP FIXTURES.
3. V.T.R.'S TO BE MIN. 10'-0" FROM G.A. INTAKE, COORD. WITH A.C. SECTION.
4. ADAPT EXIST. FIRE SPRINKLER SYSTEM TO NEW FLR. PLAN; REFER TO SPECIFICATIONS FOR REQUIREMENTS.
5. PROVIDE ACCESS DOORS AS REQ'D FOR ACCESS TO VALVES AND EQUIPMENT. COORDINATE WITH THE ARCH. SECTION.
6. COORDINATE ALL DUCTWORK WITH EXIST. STRUCTURE PRIOR TO FABRICATION.
7. COORD. ALL ROOF FLASHING W/ EXIST. ROOF MFR. PERMITS. PRIOR TO FABRICATION.
8. COORD. ALL SLAB CUTTING & TRENCHING W/ ARCH. SECTION.

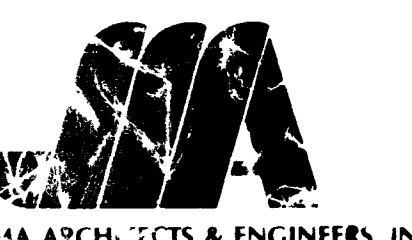
MECHANICAL LEGEND		
ABBR	SYMBOL	DESCRIPTION
S OR W	---	SOIL, WASTE, OR SEWER SIGN OUT
S OR W	---	SOIL, WASTE, OR SEWER ABOVE GRADE
CO	---	CLEANOUT
WCO	---	WALL CLEANOUT
V	---	VENT
CW	---	COLD WATER
HW	---	HOT WATER
HWR	---	HOT WATER RETURN
SOV	---	SHUT-OFF VALVE
CV	---	CHECK VALVE
SIR	---	STAIR
U	---	UNION
G	---	GAS, LOW PRESSURE
GC	---	GAS COPI
VTR	---	VENT THROUGH
AD	---	ACCESS DOOR
POC	---	POINT OF CONNECTION
EXIST	(E)	EXISTING
T	---	THERMAL
FLPD	---	FUSIBLE LINK PIPE DANGER
MVD	---	MANUAL VALVE DAMPER
DIFF	---	DIFFUSER
REG	---	REGISTER
GR	---	GRILLE
CD	---	CEILING DIFFUSER
SA	---	SUPPLY AIR
RA	---	RETURN AIR
EA	---	EXHAUST AIR
OA	---	OUTSIDE AIR
PD	---	PRESSURE DROP
GBS	---	GALVANIZED BRASS GRIFF
SP	---	STATIC PRESSURE
ESP	---	EXTERNAL STATIC PRESSURE

PLUMBING FIXTURE SCHEDULE

ABBR	FIXTURE	ROUGH-IN SIZES (INCHES)						REMARKS
		HW	CW	V	TRAP	S OR W		
WC-1	WATER CLOSET	---	1	2	---	4		FLUSH VALVE WALL MTD.
WC-2	WATER CLOSET	---	1	2	---	4		EXIST. RELOCATED
U	URINAL	---	3/4	1 1/2	---	2		EXIST. RELOCATED WALL HUNG
L	LAVATORY	1/2	1/2	1 1/2	1 1/2	1 1/2		
SS	SERVICE SINK	1/2	1/2	1 1/2	2	2		NEW
S	SINK	1/2	1/2	1 1/2	1 1/2	1 1/2		COUNTERTOP
EWG	ELECTRIC WATER COOLER	---	1/2	1 1/2	1 1/2	1 1/2		
DF	DRINKING FOUNTAIN	---	1/2	1 1/2	1 1/2	1 1/2		EXIST. RELOCATED

PLUMBING FIXTURE SPECIFICATIONS

- WATER CLOSET (W.C.-1): WALL HUNG, WHITE VITREOUS CHINA, ELONGATED BOWL AND 1 1/2" TOP SPUD. AMSTAN 2477.016 WITH OLSONITE 95CC-SS OPEN FRONT WHITE SEAT, SLOAN 110-3 FLUSH VALVE AND J.R. SMITH CARRIER.
- LAVATORY (L.): COUNTERTOP OVAL LAVATORY, AMSTAN MOD. 0475.047 W/ MOD. 2385.057 FAUCET AND GRID DRAIN ASSEMBLY, 4" CENTERS. PROVIDE BRASSCRAFT SUPPLIES WITH LOOSE KEY ANGLE STOP AND FLEXIBLE RISER. 1 1/2" x 1 1/2", 17 GAUGE P-TRAP WITH CLEANOUT.
- SINK (S.): SINGLE COMPARTMENT, 20 GAUGE STAINLESS STEEL, SELF-RIMMING SINK. ELKAY PSR-1720 WITH LK-431/SP-GN2A/AE-13/BV-6 FAUCET ASSEMBLY. PROVIDE BRASSCRAFT SUPPLIES WITH LOOSE KEY ANGLE STOP AND FLEXIBLE RISER. 1 1/2" x 1 1/2", 17 GAUGE P-TRAP WITH CLEANOUT.
- SERVICE SINK (S.S.): TERRAZZO MOP RECEPTOR WITH STAINLESS STEEL LEDGE CAPS AND TILING FLANGE, 24" x 24" x 12" COMPARTMENT. FLORESTONE 82-0-12 WITH AMERICAN STANDARD 8344.111 FAUCET ASSEMBLY WITH VACUUM BREAKER.
- ELECTRICAL WATER COOLER (E.W.C.): WALL MOUNTED, FULL RECESSED STAINLESS STEEL WATER COOLER, HANS MODEL HC8R, 115V/1Ø.
- HOT WATER CIRCULATING PUMP (H.W.C.P.): GRUNDFOS MOD. UP15-18 SU 1.5 GPM @ 5' TDH, 1/35 HP MTR., 65 WATTS, 115V/1Ø.
- WATER HEATER (W.H.): CHRONOMITE MOD. S-306 INSTANTANEOUS WATER HEATER FOR 5 GPM @ 40°F TEMP. RISE, 3.0 KW, 208V/1Ø. FURN. W/ FLOW RESTRICTORS.



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Consultants

The Contractor shall check and verify all dimensions and report all errors and omissions to this office prior to commencing work. These drawings are not to be scaled.

Seal

Revisions

No.	Date	Description
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Date: 12/18/89
Drawn: D.E.
Checked: R.F.F.
Project No.: 88237
Project: WELFARE SERVICES FACILITY
for: CITY OF LAS VEGAS
at: NUCLEUS PLAZA, NEVADA
Drawing Title: MECH. LEGEND, SCHEDULES, DETAILS & PART PLANS
Drawing No.: M - 1

As Built: 5/3/91

