

PROJECT ARCHITECT •
KROH/BROESKE
 ARCHITECTS
 6180 BROCKTON AVE. SUITE 104
 RIVERSIDE, CA. 92506-2228
 TEL 909-788-5940
 FAX 909-788-1365
 E-MAIL: KBA111@AOL.COM

CONSULTANTS •

PROJECT •

VILLEGAS PARK BOXING CENTER
 7240 MARGUERITA AVE.
 RIVERSIDE, CA. 92504

REVISION •
 1-25-02 1st PLAN CHECK REVISIONS
 8-29-02 2nd PLAN CHECK REVISIONS
 9-21-02 ADDENDUM No. 1

THIS DRAWING AND THE DESIGN ARRANGEMENTS, SPECIFICATIONS, IDEAS AND OTHER INFORMATION CONTAINED HEREIN CONSTITUTE UNPUBLISHED WORK OF ARCHITECTS AND SHALL REMAIN THE PROPERTY OF KROH/BROESKE ARCHITECTS. NO PART THEREOF SHALL BE REPRODUCED, COPIED, DISCLOSED, DISTRIBUTED, SOLD, RENTED OR OTHERWISE USED IN ANY MANNER WITHOUT THE ADVANCE EXPRESS WRITTEN CONSENT OF KROH/BROESKE ARCHITECTS. LEGAL COUNSEL WITH THE ABOVE DRAWING, OR ANY PART THEREOF, SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

SHEET TITLE •

EXISTING SITE PLAN

DRAWN • Q. NICHOLS
 CHECKED • J. BROESKE
 SCALE • 1" = 20'-0"
 DATE • 05-27-02
 JOB • 01021
 SHEET •



A-1

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

VIL
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

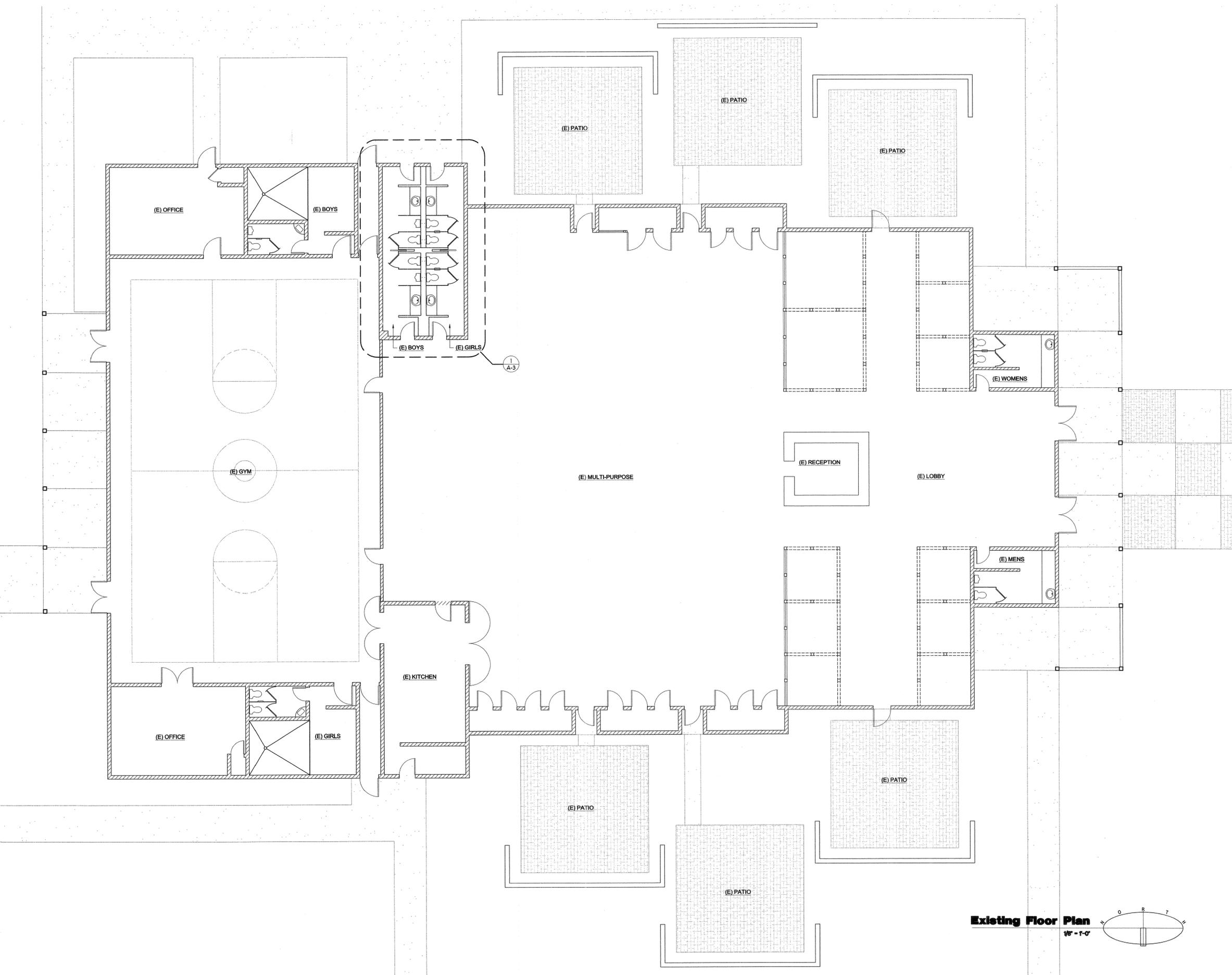
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

V-129
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

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REORDER BY NUMBER 075AR



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ADDENDUM No. 1 9-27-02

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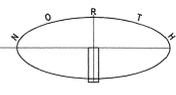
SHEET TITLE •

**EXISTING
FLOOR PLAN**

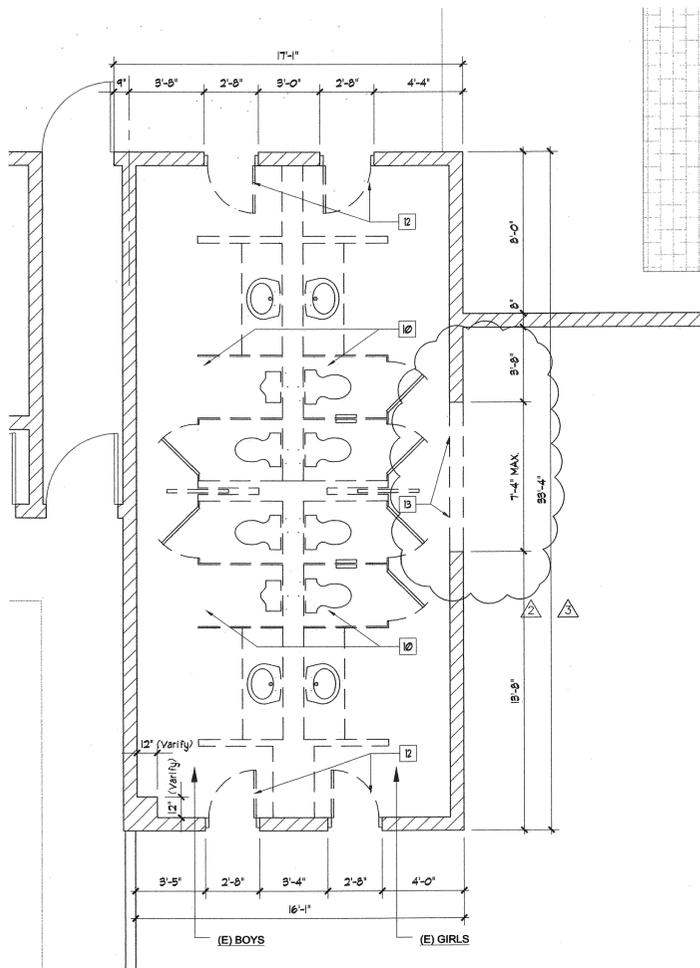
DRAWN • G. NICHOLS
CHECKED • J. BROESKE
SCALE • 1/8" = 1'-0"
DATE • 05-27-02
JOB • 01021
SHEET •

A-2

Existing Floor Plan
1/8" = 1'-0"

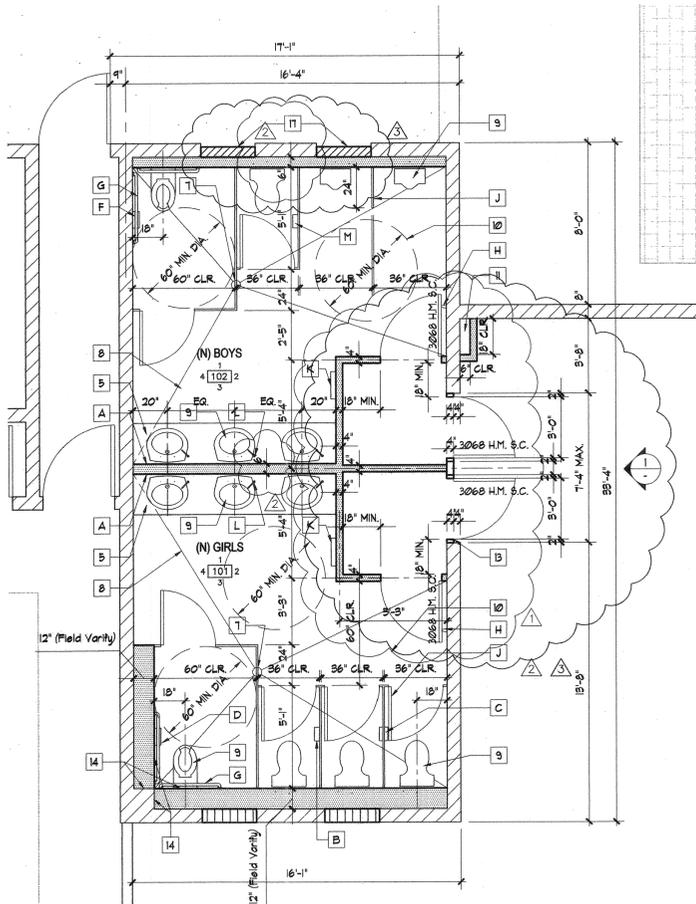


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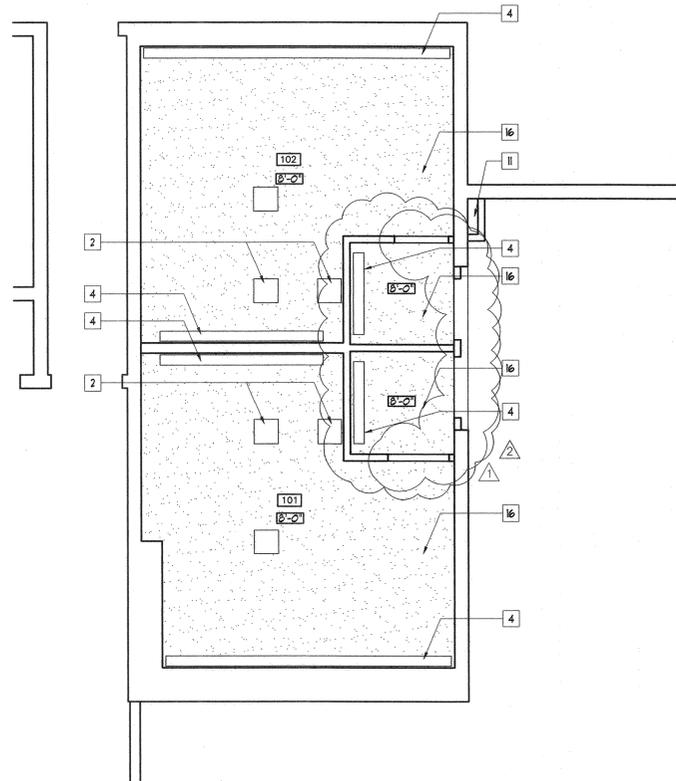
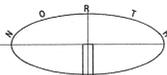
Demolition Plan

1/4" = 1'-0"



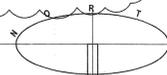
Floor Plan

1/4" = 1'-0"



Reflected Ceiling Plan

1/4" = 1'-0"



AUDIO NOTE:
TWO NEW SPEAKERS PROVIDED BY THE CITY TO BE INSTALLED BY CONTRACTOR IN RESTROOMS AS INDICATED BY THE CITY, AND TO BE CONNECTED TO EXISTING WIRES IN CEILING.

KEY NOTES

1. Exterior plaster.
2. Existing mech. fixture to remain. (See Mech. drawings).
3. 5/8" Gyp. Bd., paint finish.
4. Electrical fixture. (See Elect. drawings).
5. Laminated plastic counter top with back splash where occurs.
6. Omit.
7. Floor drain per plumbing drawings.
8. Depress slab 2" for floor slope and tile installation.
9. Plumbing fixture, see plumbing drawings.
10. Saw-cut and remove the entire concrete slab in the existing restrooms.
11. Plumbing chase. (See Plumbing drawing).
12. Door frame, door, and door hardware to be removed.
13. Existing C.M.U. wall to be saw-cut and removed to receive two (2) new 3'-0"x6'-0" hollow metal doors and frames per plan dimensions. Provide self closer. See Drawing B-1 attached.
14. Face of existing C.M.U. wall to be aligned with face of new furring wall.
15. Ceramic tile.
16. Existing concrete ceiling to be repainted. Patch and re-grout as needed to match existing surfaces.
17. Infill opening with 8x8x16 split face block to match existing. Paint to match existing building exterior color. See Drawing B-1 attached.

REVISION NOTES:

1. Saw-cut and remove existing concrete floor at existing restrooms. Compact the subgrade as required. Construct new 4" thick concrete slab w/ #3 bars each way at 24" O.C. Dowel into existing masonry walls at perimeter at 24" O.C. w/ 18" long #3 bars. Depress slab 2" and slope to drain for the installation. (see plumbing drawings for floor drains). Provide and install ceramic tile floor and base.
2. At new restroom door openings install 2"x4" hollow metal frames to receive solid core doors. Reinforce masonry head above door per structural note. See Saw-cut detail elevation for application. All new door openings to have 2"x4" hollow metal frames with solid core doors.
3. Provide and install 2-1/8" laminated plastic gusset supports at new counters.
4. Toilet accessories for the Boys restroom to be revised for Item 7". Combo Toilet Seat Cover Dispenser & Toilet Tissue Dispenser to be surface mounted in lieu of recessed. (B-4288 and B-4221)
5. Limits of construction and location of construction fencing to be determined at pre-construction meeting.

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- 8-29-02 2nd PLAN CHECK REVISIONS
- 9-21-02 ADDENDUM NUMBER ONE

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SHEET TITLE •

DEMOLITION, FLOOR, & REFLEC. CEILING PLANS

DRAWN • P. JARAMILLO

CHECKED • J. BROESKE

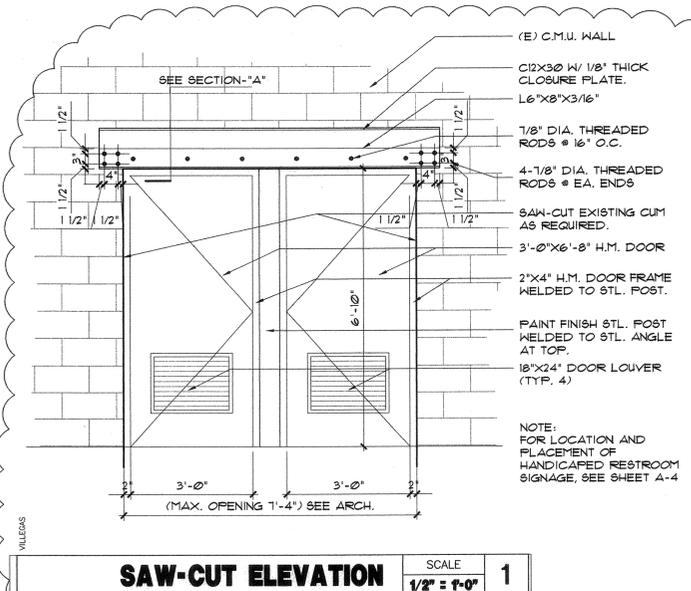
SCALE • 1/4" = 1'-0"

DATE • 05-27-02

JOB • 01021

SHEET •

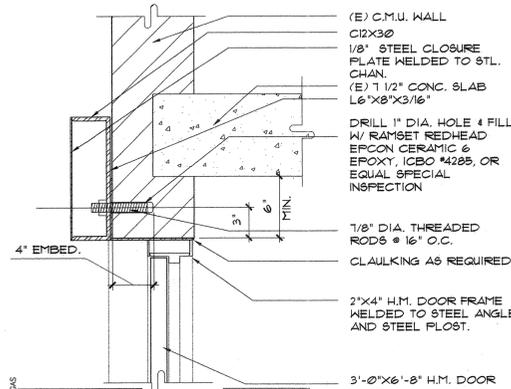
A-3



SAW-CUT ELEVATION

SCALE 1/2" = 1'-0"

1



SECTION-A

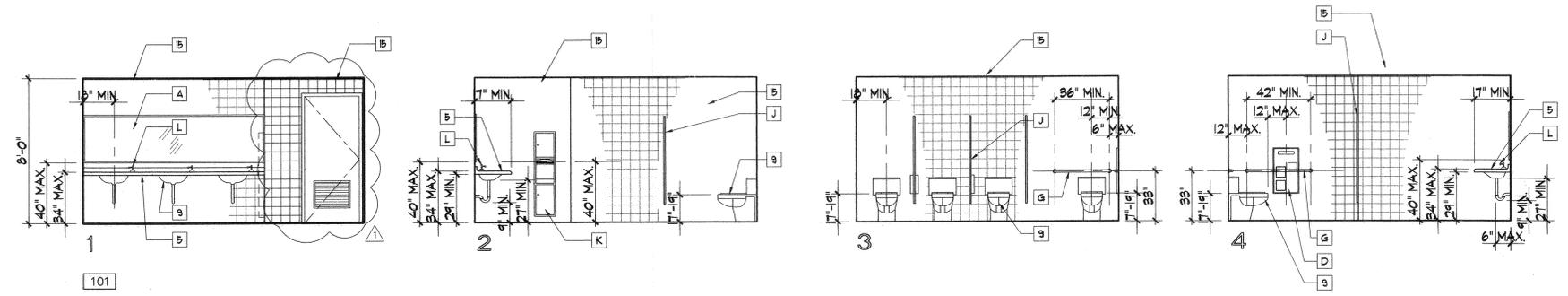
SCALE 1/2" = 1'-0"

A

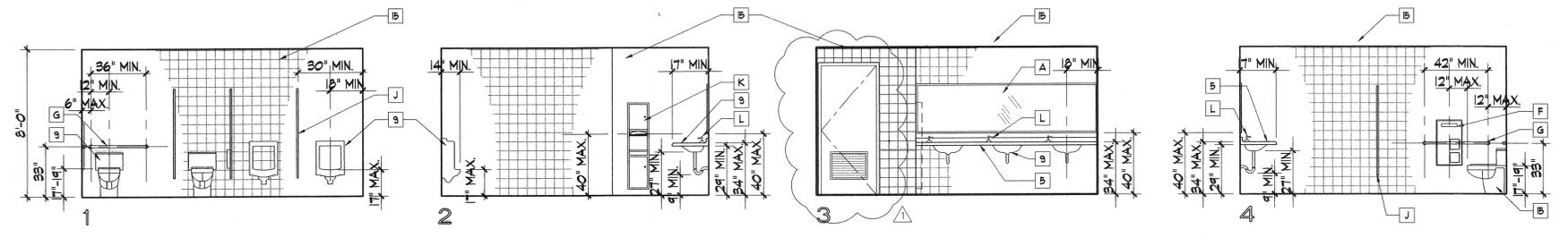
TOILET ACCESSORIES SCHEDULE

DESCRIPTION	MODEL No.
A. Mirror	B-290
B. Combo Toilet Seat Cover Dispenser, Sanitary Napkin Disposal & Toilet Tissue Dispenser (Partition Mounted)	B-3579
C. Combo Toilet Seat Cover Dispenser, Sanitary Napkin Disposal & Toilet Tissue Dispenser (Partition Mounted)	B-357
D. Combo Toilet Seat Cover Dispenser, Sanitary Napkin Disposal & Toilet Tissue Dispenser (Recessed Wall Mounted)	B-3574
E. "Koala Bear Care" Recessed Horizontal Stainless Steel Baby Changing Station	
F. Combo Toilet Seat Cover Dispenser & Toilet Tissue Dispenser (Recessed Wall Mounted)	B-3474
G. 1 1/4" Dia. Grab Bars	B-5837
H. Door Bumper	B-687
J. Toilet Compartments as Manufactured by Santana Solid Plastic Products; Provide 24" wide urinal screen with pedestal support from floor to ceiling as manufactured by "Santana Solid Plastic Products".	
K. Towel Dispenser/Waste Receptacle (Recessed Wall Mounted)	B-3944
L. Lavatory-Mounted Soap Dispenser with Under-The-Counter Soap Reservoir	B-8226
M. Combo Toilet Seat Cover Dispenser with Toilet Tissue Dispenser (Partition Mounted)	B-3479

Note: All Accessory Products as Manufactured by Bobrick. (Unless Noted Otherwise)



101
GIRLS RESTROOM



102
BOYS RESTROOM

- KEY NOTES**
1. Exterior plaster.
 2. Existing mech. fixture to remain. (See Mech. drawings).
 3. 5/8" Gyp. Bd., paint finish.
 4. Electrical fixture. (See Elect. drawings).
 5. Laminated plastic counter top with back splash where occurs.
 6. Omit.
 7. Floor drain per plumbing drawings.
 8. Depress slab 2" for floor slope and tile installation.
 9. Plumbing fixture, see plumbing drawings.
 10. Saw-cut and remove the entire concrete slab in the existing restrooms.
 11. Plumbing chase. (See Plumbing drawing).
 12. Door frame, door, and door hardware to be removed.
 13. Existing C.M.U. wall to be saw-cut and removed to receive two (2) new 3'-0"x6'-8" hollow metal doors and frames per plan dimensions. Provide self closer. See Drawing B-1 attached.
 14. Face of existing C.M.U. wall to be aligned with face of new furring wall.
 15. Ceramic tile.
 16. Existing concrete ceiling to be repainted. Patch and repair as needed to match existing surfaces.
 17. Initial opening with brick 18" gull size block to match existing. Paint to match existing building exterior color. See Drawing B-1 attached.

- REVISION NOTES:**
1. Saw-cut and remove existing concrete floor at existing restrooms. Compact the subgrade as required. Construct new 4" thick concrete slab w/ #3 bars each way at 24" O.C. Dowel into existing masonry walls at perimeter at 24" O.C. w/ 18" long #3 bars. Depress slab 2" and slope to drain for tile installation. (see plumbing drawings for floor drains). Provide and install ceramic tile floor and base.
 2. All new restroom door openings install 2"x4" hollow metal frames to receive solid core doors. Reinforce masonry head above door per structural note. See Saw-cut detail elevation for application. All new door openings to have 2"x4" hollow metal frames with solid core doors.
 3. Provide and install 2-18" laminated plastic gusset supports at new counters.
 4. Toilet accessories for the Boys restroom to be revised for Item "F". Combo Toilet Seat Cover Dispenser & Toilet Tissue Dispenser to be surface mounted in lieu of recessed. (B-4288 and B-4221)
 5. Limits of construction and location of construction fencing to be determined at pre-construction meeting.

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SHEET TITLE •

INTERIOR ELEVATIONS & DETAIL

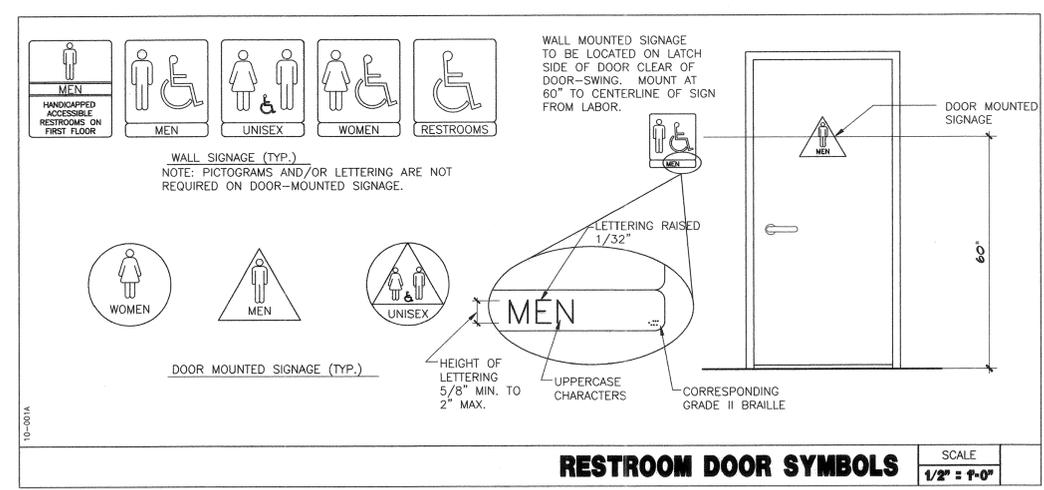
DRAWN • P. JARAMILLO
CHECKED • J. BROESKE
SCALE • 1/4" = 1'-0"
DATE • 05-27-02
JOB • 01021
SHEET •

A-4

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F. Combo Toilet Seat Cover Dispenser & Toilet Tissue Dispenser (Recessed Wall Mounted)	B-3474
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J. Toilet Compartments as Manufactured by Santana Solid Plastic Products; Provide 24" wide urinal screen with pedestal support from floor to ceiling as manufactured by "Santana Solid Plastic Products".	
K. Towel Dispenser/Waste Receptacle (Recessed Wall Mounted)	B-3944
L. Lavatory-Mounted Soap Dispenser with Under-The-Counter Soap Reservoir	B-8226
M. Combo Toilet Seat Cover Dispenser with Toilet Tissue Dispenser (Partition Mounted)	B-3479

Note: All Accessory Products as Manufactured by Bobrick. (Unless Noted Otherwise)

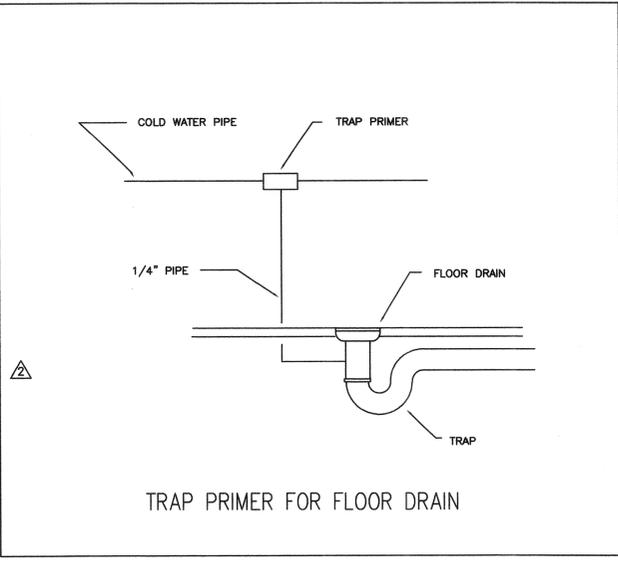


SYMBOL	DESCRIPTION
	SUPPLY DUCT SECTION
	EXHAUST DUCT SECTION
	SUPPLY REGISTER/GRILLE
	EXHAUST REGISTER/GRILLE
	SMOKE & FIRE DAMPER W/ DUCT MTD SMOKE DETECTOR ASSEMBLY
	FIRE DAMPER
	MANUAL VOLUME DAMPER
	EXHAUST REGISTER/GRILLE
	EXHAUST AIR DUCT
	90 DEGREE ROUND RADIUS ELBOW
	T - FITTING
	FLEXIBLE CONN. TO AIR OUTLET
	SPIN-IN FITTING W/MVD TO RECT. DUCT
	DUCT CROSSING
	DUCT TAKE-OFF AT BOTTOM
	REDUCER
	TRANSFER GRILLE
	SUPPLY AIR DUCT
	UP THRU ROOF

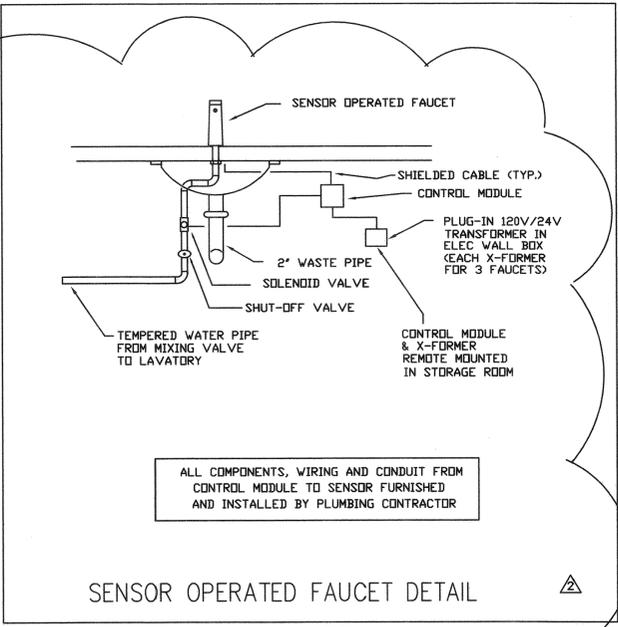
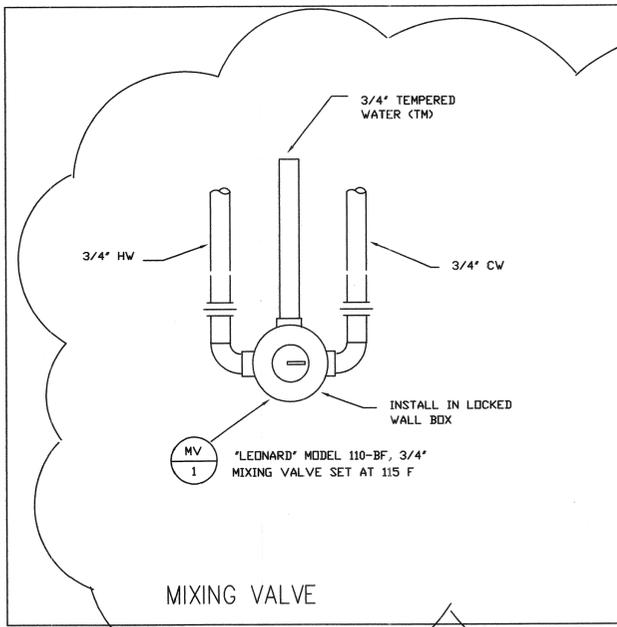
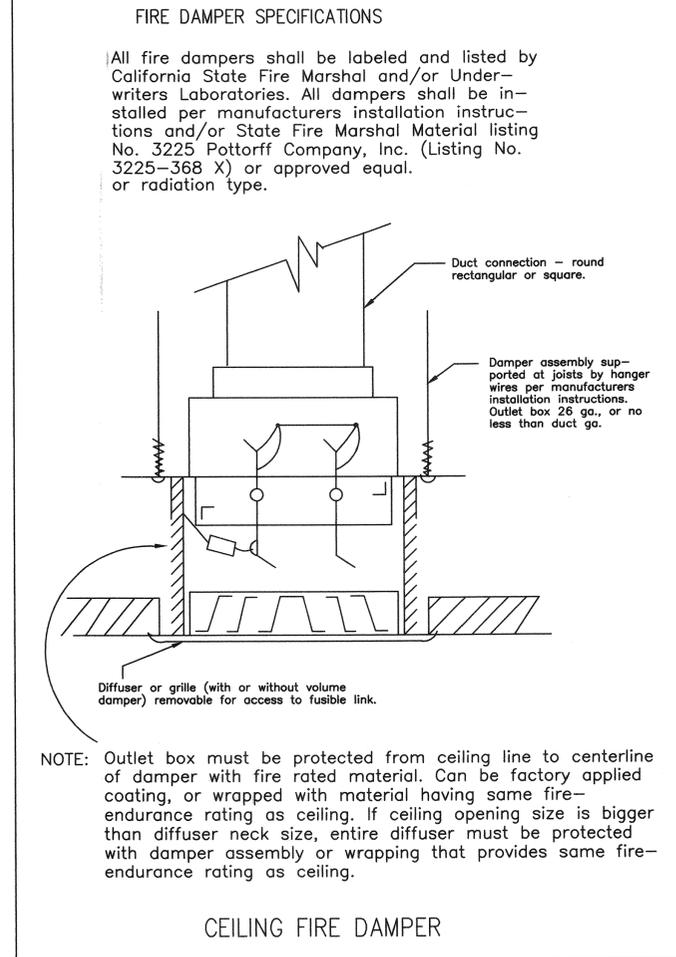
SERVICE	INSIDE	OUTSIDE	PLUMBING MATERIAL SCHEDULE							REMARK		
			MATERIAL	COPPER, TYPE 'K'	COPPER, TYPE 'L'	SCHED. 40 BLACK STEEL	SCHED. 40 GALV. STEEL	C.I. SOIL PIPE & FITTINGS, S.W.	VITREOUS CHINA		SCHED. 40 P.V.C.	ABS PLASTIC
WATER	INSIDE											
	OUTSIDE	o										
SANITARY SEWER	INSIDE											
	OUTSIDE											
SANITARY VENT	INSIDE											
	OUTSIDE											
GAS	INSIDE											
	OUTSIDE											
STORM DRAINAGE	INSIDE											
	OUTSIDE											
CONDENSATE DRAIN	INSIDE											
	OUTSIDE											

PLUMBING FIXTURE SCHEDULE							
SYMBOL	DESCRIPTION	CW	HW	W	V	TRAP	REMARKS
	WATER CLOSET HANDICAPPED	1"	-	3"	2"	INT.	AMERICAN STANDARD MODEL #3043.102 ELONGATED BOWL, CADET - 17" RIM HEIGHT WITH FRONT OPEN SEAT, WHITE, 1.6 GPF, FLDR MOUNT, VITREOUS CHINA W/SLOAN III ES-S-YD SENSOR OPERATED FLUSHMETER, TOP SPUD, 1.6 GPF W/ BUMPER ON ANGLE STOP. SENSOR IN S.S. WALL BOX W/ COVER PLATE. REMOTE MOUNTED X-FORMER EL-154 120V/24V, 50 VA IN ELEC. BOX
	WATER CLOSET	1"	-	3"	2"	INT.	AMERICAN STANDARD MODEL #2234.015 ELONGATED BOWL, MADERA, 14" RIM HEIGHT WITH FRONT OPEN SEAT, FLOOR MOUNT, WHITE, W/SLOAN III ES-S-YD SENSOR OPERATED FLUSHMETER, TOP SPUD, 1.6 GPF W/ BUMPER ON ANGLE STOP. SENSOR IN S.S. WALL BOX WITH COVER PLATE. REMOTE MOUNTED X-FORMER EL-154 120V/24V, 50 VA IN ELEC. BOX
	LAVATORY	1/2"	1/2"	2"	1-1/2"	2"	AMERICAN STANDARD AQUALYN, #0476.028 VITREOUS CHINA, SELF RIM, W/ FAUCET SLOAN ROYAL EIF-80-A SENSOR OPERATED, 0.5 GPM W/ X-FORMER EL-154 120V/24V, 50 VA, IN ELEC. WALL BOX
	URINAL	3/4"	-	2"	2"	2"	AMERICAN STANDARD 6501.010 WASHBROOK WALL HUNG, VITREOUS CHINA, W/ SLOAN TOP STUD FLUSHMETER MODEL 186-1 ES-S, 1.0 GPF 1.0 GPF, W/ SENSOR IN S.S. WALL BOX, X-FORMER EL-154, 120V/24V, 50 VA IN ELEC. WALL BOX
	FLOOR DRAIN	1/4"	-	2"	1-1/2"	2"	J.R.SMITH 2005-A WITH TRAP PRIMER J.R.SMITH 2699
	HOSE BIBB	3/4"					ACDRN #8120 WITH VACUUM AND WALL BOX
	WATER HAMMER ARRESTER						SIDUX CHIEF, HYDRA-RESTER #653-B

SYMBOL	ABBRE.	DESCRIPTION
	S OR W	SOIL OR WASTE ABOVE FLOOR
	S OR W	SOIL OR WASTE BELOW FLOOR
	SD	STORM DRAIN ABOVE FLOOR
	SD	STORM DRAIN BELOW FLOOR
	OF	OVERFLOW DRAIN ABOVE FLOOR
	OF	OVERFLOW DRAIN BELOW FLOOR
	V	VENT
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	G	GAS
	FCO/COTG	FLOOR CLEANOUT/CLEANOUT TO GRADE
	COYB	CLEANOUT IN YARD BOX
	WCO	WALL CLEANOUT
	SOV	SHUT OFF VALVE
	BC	BALANCING COCK
	GC	GAS COCK
	P/T RV	PRESSURE/TEMPERATURE RELIEF VALVE
	U	UNION
	HB	HOSS BIBB
	WHA	WATER HAMMER ARRESTOR
	CD	CONDENSATE DRAIN



- ### PLUMBING NOTES
- VERIFICATION: BEFORE COMMENCEMENT OF WORK, THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES AND PIPING INCLUDING ALL EXISTING PLUMBING SYSTEMS AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
 - COORDINATION OF REQUIREMENTS: BEFORE FABRICATION OR INSTALLATION, THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND OTHER EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPEC. OR BY THE OWNER. THE EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
 - FIXTURE LOCATIONS AND MOUNTING HEIGHTS: EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
 - HANDICAP REQUIREMENTS: SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINKS WITH McGUIRE "PROWRAP", TRUEBRO "LAV GUARD", OR APPROVED EQUAL.
 - UTILITY CONNECTIONS: THIS CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITIES COMPANIES FOR SERVICES AND CONNECTIONS; AND SHALL MAKE APPLICATIONS FOR SERVICE IN THE NAME OF THE OWNER.
 - VALVES IN YARD: ALL EXTERIOR GAS COCKS AND WATER SHUT-OFF VALVES SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS SHUT-OFF" AND "WATER SHUT-OFF", RESPECTIVELY.
 - INTERFERENCE WITH EQUIPMENT: ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL MEMBERS.
 - CUTTING: ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE USING CORE DRILLING EQUIPMENT.
 - PATCHING AND REPAIRS: THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS WORKS. IN ADDITION, THIS CONTRACTOR SHALL RESTORE THOSE AREAS TO THEIR ORIGINAL CONDITION INCLUDING THE PLANTED AREAS.
 - CEILING ACCESS: THIS CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND THE ELECTRICAL LIGHTING LAYOUT.
 - INCOMPATIBLE MATERIALS: CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO DIELECTRIC UNIONS SEPARATED BY A 12 INCHES SECTION OF RED BRASS PIPE.
 - EXPOSED GAS PIPING: ALL GAS PIPING EXPOSED ON ROOF SHALL BE SCHEDULE 40 GALVANIZED STEEL NAILED TO 2"x4" REDWOOD BLOCKING WITH PIPE CLAMPS.
 - INDIRECT WASTE PIPES: ALL INDIRECT WASTE PIPING ON ROOF SHALL BE TYPE "M" COPPER NAILED TO 2"x4" REDWOOD BLOCKING WITH PIPE CLAMPS. PIPING SHALL BE SLOPPED TO AND TERMINATED AT AN APPROVED RECEPTOR.
 - ELEVATION OF HORIZONTAL PIPING: ALL HORIZONTAL PIPING INCLUDING THOSE CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN 7" ABOVE FLOOR. PIPING ROUGH-IN SHALL BE STUBBED IN WALL WHENEVER POSSIBLE.
 - VENTS: VENT THROUGH ROOF SHALL BE INSTALLED MIN. 10'-0" FROM, OR 3'-0" ABOVE ANY FRESH AIR INTAKES OF BUILDING OR A.C. UNITS.
 - INSULATION OF HOT WATER PIPING: ALL HOT WATER PIPING SHALL BE INSULATED WITH RIGID INSULATION WITH K FACTOR=0.23. INSULATION SHALL 1" THICK FOR PIPE SIZES UP TO 2", AND 1-1/2" THICK FOR 2-1/2" AND LARGER.
 - CLEANOUT REQUIREMENTS: ALL CLEANOUT SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THIS CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIP. CABINETS AND THE ARCHITECT PRIOR TO INSTALLATION.
 - PROVIDE AND INSTALL WALL CLEANOUTS ON THE UPPER TERMINAL OF ALL VENT BELOW FLOORS.
 - COORDINATION WITH MECHANICAL DRAWINGS: THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE PART OF THE MECHANICAL DRAWINGS. PROVIDE AND SATISFY ALL PLUMBING REQUIREMENTS AS REQUIRED BY THE MECHANICAL EQUIPMENT.
 - PIPING INTO FLOOR SINKS: ALL PIPING DISCHARGING INTO FLOOR SINKS SHALL HAVE A MIN. 1" AIR GAP.
 - ALL VALVES AND UNIONS SHALL HAVE THE SAME SIZE AS THE LINE SIZE UNLESS OTHERWISE INDICATED ON THE DRAWINGS. UNIONS SHALL BE INSTALLED AFTER SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
 - CONNECTION FOR POTABLE WATER PIPING: SWEAT COPPER TYPE WITH 95/5 OR 98/4 TIN-ANTIMONY OR SILVABRITE 100 SOLDER. USE LEAD FREE SOLDER ONLY.
 - PLUMBING FIXTURE TRIM AND EXPOSED SUPPLIES AND WASTES SHALL BE BRASS WITH POLISHED CHROME PLATED FINISH. INDIVIDUAL ANGLE STOP VALVE SHALL BE PROVIDED FOR ALL HOT WATER AND COLD WATER SUPPLIES AND SHALL BE MOUNTED UNDER OR BEHIND THE FIXTURE. EXPOSED SUPPLIES AND WASTE TO WALL SHALL BE PROVIDED WITH POLISHED PLATED BRASS ESCUTCHEONS.
 - EQUIPMENT SUPPORT: ALL EQUIPMENT SHALL BE LATERALLY SUPPORTED IN ALL DIRECTIONS TO RESIST A MINIMUM OF 20% OF THE EQUIPMENT'S OPERATING WEIGHT.
 - PROJECT WORK REQUIREMENT: IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO MAKE A COMPLETE AND OPERATIONAL SYSTEM. THIS CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. TO ACCOMPLISH THIS RESULT. ANYTHING THAT MAY BE REASONABLY CONSIDERED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ALL INTERPRETATIONS NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.
 - PERFORM LEAK TEST FOR WASTE AND VENT SYSTEM BY FILL WASTE AND VENT PIPES WITH WATER TO 15 FEET ABOVE HIGHEST HORIZONTAL LINE TO BE TESTED. THE SYSTEM SHALL SHOW NO LEAKS FOR 4 HOURS. TEST THE RAINWATER DRAINAGE SYSTEM IN THE SAME MANNER.
 - PERFORM LEAK TEST FOR FUEL GAS SYSTEM WITH AIR AT 60 PSIG FOR 4 HOURS AND SHOW NO DROP IN PRESSURE.
 - PERFORM LEAK TEST FOR DOMESTIC HOT AND COLD WATER SYSTEM AT 150 PSIG HYDROSTATIC PRESSURE FOR 4 HOURS AND SHOW NO LEAKS.
 - STERILIZE POTABLE WATER SYSTEM WITH SOLUTION CONTAINING 200 PPM OF CHLORINE AND MAINTAINING A PH OF 7.5 MINIMUM. ALLOW STERILIZATION SOLUTION TO REMAIN FOR 24 HOURS AND OPEN AND CLOSE VALVES AND FAUCETS SEVERAL TIMES. AFTER STERILIZATION, FLUSH SOLUTION FROM THE SYSTEM WITH CLEAN WATER UNTIL RESIDUAL CHLORINE IS LESS THAN 0.2 PPM.



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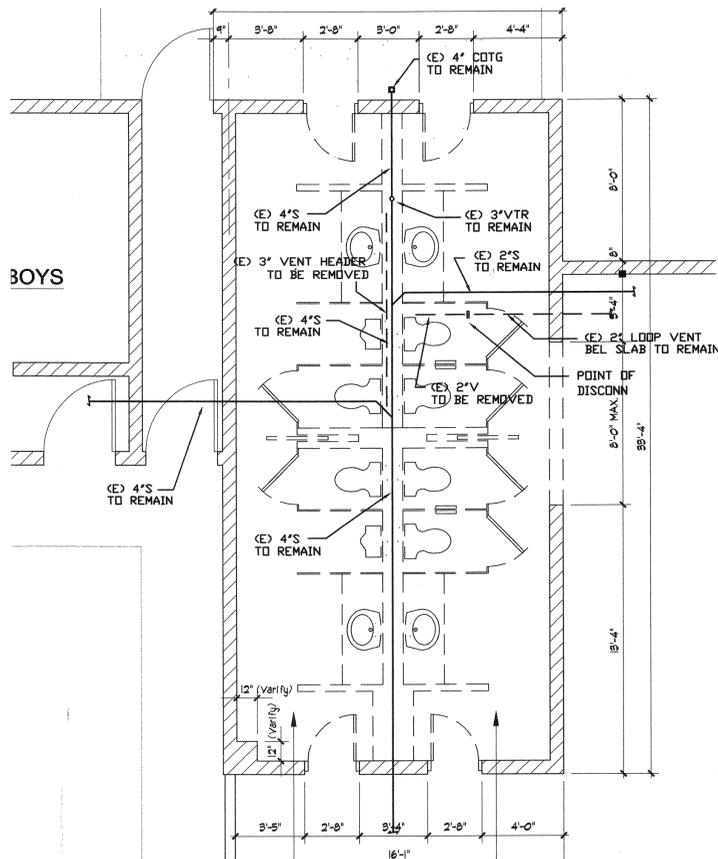
REVISION
1-25-02 1st PLAN CHECK REVISIONS
8-29-02 2nd PLAN CHECK REVISIONS
9-27-02 ADDENDUM No. 1

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SHEET TITLE
NOTES, SYMBOLS & FIXTURE SCHEDULE

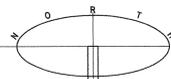
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SCALE • 1/4" = 1'-0"
DATE • 02-12-02
JOB • 01021
SHEET •

MP-1

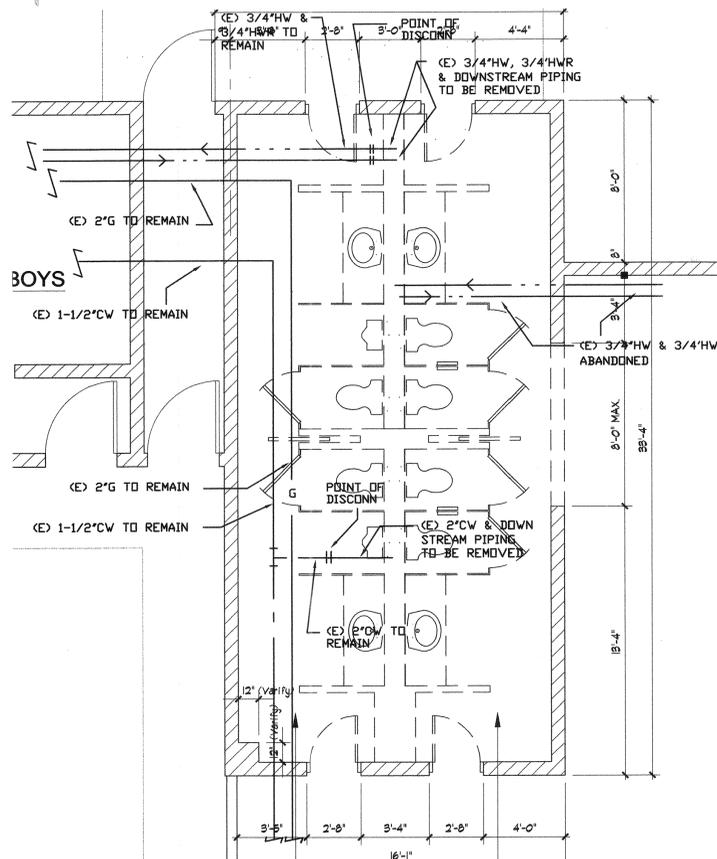


Waste & Vent Demolition Plan

1/4" = 1'-0"

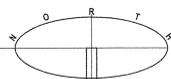


DEMOLITION NOTE:
 REMOVE ALL PLUMBING FIXTURES AND THE ASSOCIATED SEWER, WASTE AND VENT PIPE. CAP SEWER PIPE FOR (E) FLOOR MOUNTED WATER CLOSETS BELOW SLAB.
 REMOVE ALL VENT PIPES UP TO (E) 3" VTR. (E) 3" VTR TO REMAIN.
 REMOVE FLOOR DRAINS, CAP WASTE PIPES BELOW SLAB.

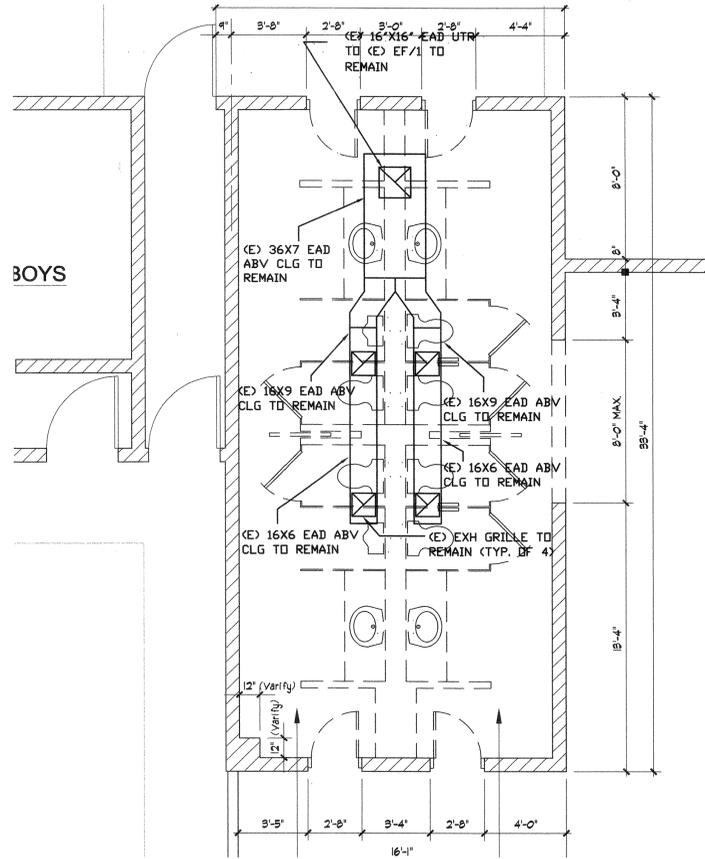


Hot and Cold Water Demolition Plan

1/4" = 1'-0"

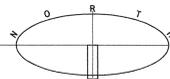


DEMOLITION NOTE:
 REMOVE ALL PLUMBING FIXTURES AND THE ASSOCIATED HOT WATER AND COLD WATER PIPES. DISCONNECT H.W., H.W.R. AND C.W. AT POINT OF DISCONNECT AND REMOVE ALL DOWNSTREAM PIPING.
 DISCONNECT H.W. & C.W. PIPES UNDER COUNTER TO SINKS IN ROOM 23, "PASS"
 ABANDON (E) 3/4"H.W., 3/4"H.W.R. & 3/4"C.W. IN SAND PACK BELOW SLAB.



HVAC Demolition Plan

1/4" = 1'-0"



DEMOLITION NOTE:
 ALL DUCTWORK IN THIS AREA TO REMAIN.

KEY NOTES

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REVISION •

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SHEET TITLE •

DEMOLITION PLANS

Legend

- (E) WALL TO REMAIN.
- (E) 8" CMU WALL.
- (N) 2"X MTL. STUD WALL @ 16" O.C. W/ 5/8" W.R. GYP. BD. @ INTERIOR OF RESTROOM, SEE PLAN FOR WALL THICKNESS. (5/8" GYP. BD. ELSEWHERE)
- (N) 2"X METAL STUDS @ 16" O.C. INFILL W/ GYP. BD. AND/OR EXTERIOR PLASTER FINISH WHERE OCCURS.
- EXISTING IMPROVEMENTS TO BE DEMOLISHED.

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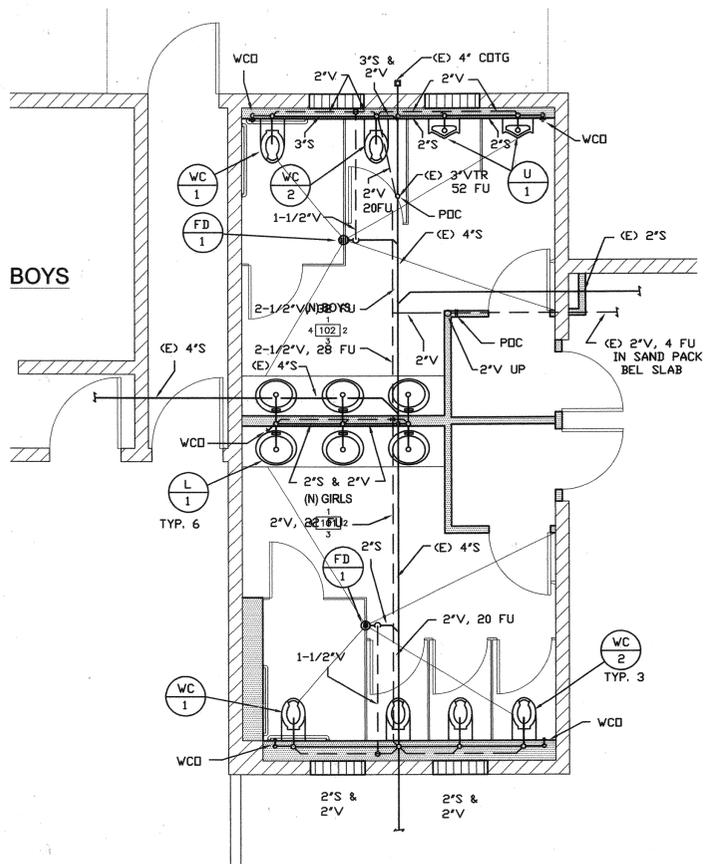
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DATE • 02-12-02

JOB • 01021

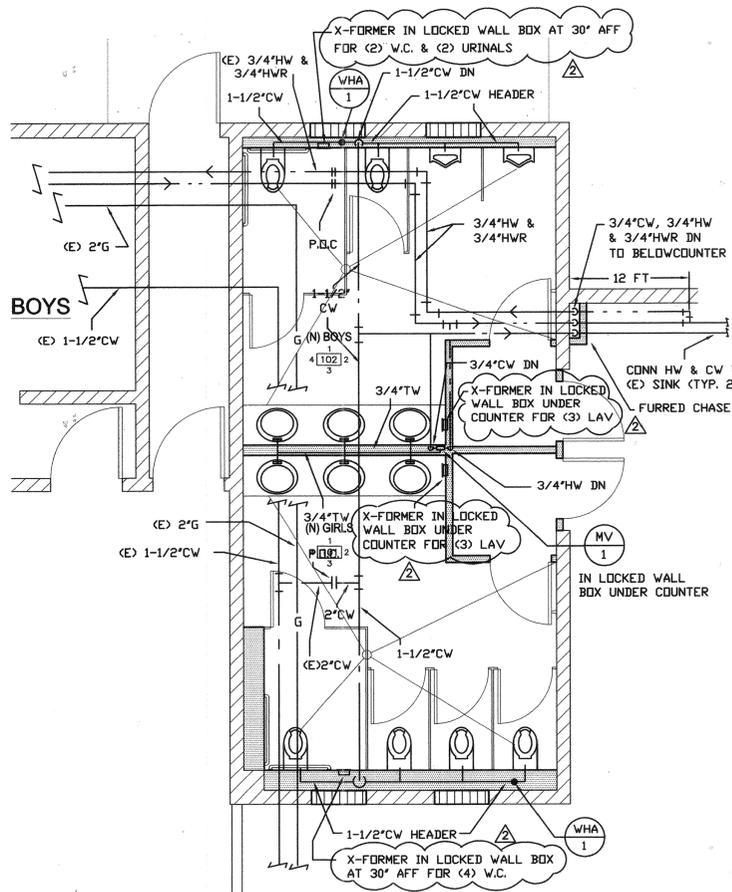
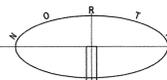
SHEET •

MP-2



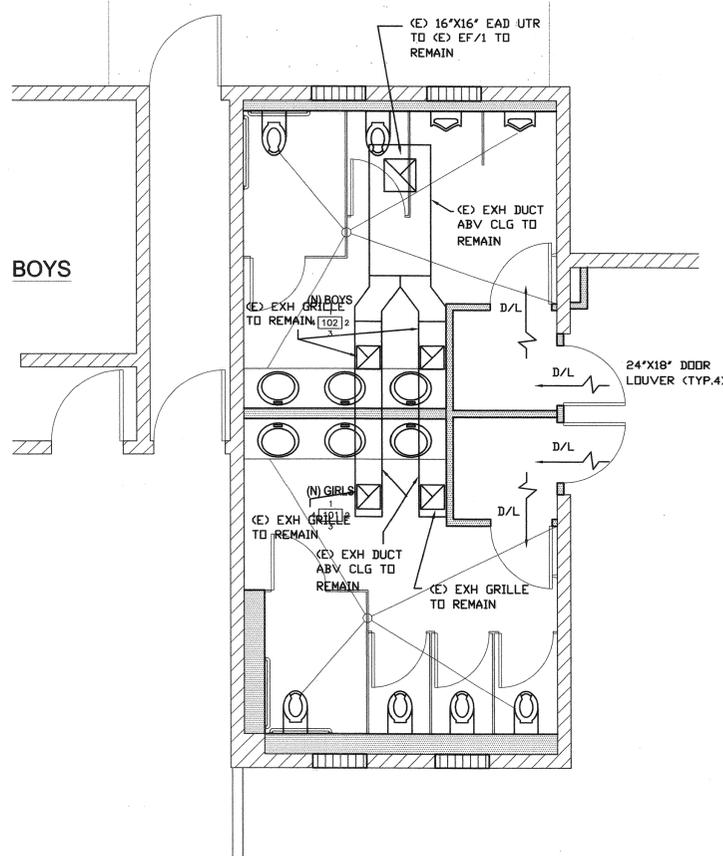
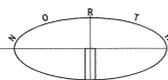
Waste & Vent Floor Plan

1/4" = 1'-0"



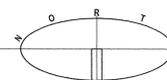
Hot and Cold Water Floor Plan

1/4" = 1'-0"



HVAC Floor Plan

1/4" = 1'-0"



KEY NOTES

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SHEET TITLE

FLOOR PLANS

Legend

- (E) WALL TO REMAIN.
- (E) 8" CMU WALL.
- (N) 2"x MTL. STUD WALL @ 18" O.C. W/ 5/8" W.R. GYP. BD. @ INTERIOR OF RESTROOM, SEE PLAN FOR WALL THICKNESS. (5/8" GYP. BD. ELSEWHERE)
- (N) 2"x METAL STUDS @ 18" O.C. INFILL W/ GYP. BD. AND/OR EXTERIOR PLASTER FINISH WHERE OCCURS.
- EXISTING IMPROVEMENTS TO BE DEMOLISHED.

DRAWN • A E E

CHECKED • W FNG

SCALE • 1/4" = 1'-0"

DATE • 02-12-02

JOB • 01021

SHEET •

MP-3

TYPE	FIXTURE		VOLTS	LAMPS	MOUNTING			DESCRIPTION & VARIATIONS	MANUFACTURER & CATALOG NUMBER
	INCAN. FLUOR.	H.I.D.			INC.	REC.	CLG.		
A 128	•		120	4 32W F32UT8 41K				MODULAR 6' QUADRILLE 8'-FT LONG FLUOR. LIGHT ASYMMETRICAL DIRECT WITH ALUM. BLADE LOUVER	PRUDENTIAL #P60-D4-M5-2-08-CTE-BLA
B 37	•		120	1 32W PLT				13' ROUND FLUOR. WITH DIE-CAST ALUM. BASEPLATE & POLYCARBONATE LENS	KENALL #MR13FL-P-LG-32P-120
C 128	•		120	4 32W F32UT8 41K				MODULAR 6' QUADRILLE 12'-FT LONG FLUOR. LIGHT IN ALUM. BLADE LOUVER & WITH EMERG. PWR PACK	PRUDENTIAL #P60-D1-M5-1-12-CTE-BLA-PEL

LIGHTING FIXTURE NOTES

- THIS CONTRACTOR SHALL VERIFY THE TYPE OF CEILING BEFORE ORDERING ANY NEW FIXTURES. HE IS FULLY RESPONSIBLE TO PROVIDE ALL MOUNTING BRACKETS TO FIT THE CEILING CONDITIONS AT NO EXTRA CHARGE TO THE OWNER.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING PROPER TYPES OF TRIMS ALL RECESSED FLUORESCENT FIXTURES TO FIT THE CEILING BEING INSTALLED.
- ALL NEW FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE, COOL WHITE EQUAL TO G.E. - "WATTMISER 2", OR SYLVANIA - "SUPER SAVER" LAMPS.
- ALL BALLASTS SHALL BE HIGH FREQUENCY ELECTRONIC TYPE SUITABLE FOR LAMPS SPECIFIED. 97% BALLAST FACTOR MINIMUM AND TRANSIENT HARMONIC DISTORTION OF LESS THAN 10 PERCENT.
- ALL LUMINAIRES/BALLASTS SHALL BE CERTIFIED BY THE CALIF. ENERGY COMMISSION.
- FIXTURE TYPE IN CONTACT WITH INSULATION SHALL BE UL APPROVED FOR THERMAL BARRIER.
- SUBMIT LIGHTING FIXTURE CUTS FOR OWNER/ARCHITECT OR ENGINEER'S APPROVAL.

ELECTRICAL GENERAL NOTES

- ALL WORK SHALL BE IN FULL ACCORDANCE WITH ALL CODES, RULES AND REGULATIONS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE REQUIREMENTS OF THE SERVING POWER AND TELEPHONE COMPANIES.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND COMPLY WITH ALL INSPECTION REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY AVAILABILITY OF SERVICES AND DETERMINE ACTUAL DETAILS PERTAINING TO EXACT LOCATIONS AND REQUIREMENTS BEFORE SUBMITTING HIS BID. UPON RECEIPT OF NOTICE THAT THE ELECTRICAL CONTRACT AWARD HAS BEEN MADE, SUCCESSFUL BIDDER SHALL NOTIFY THE POWER AND TELEPHONE COMPANIES OF THE ESTIMATED DATE WHEN SERVICE SHALL BE DESIRED.
- ALL MATERIALS SHALL BE NEW, UL LISTED AND APPROVED AS APPROPRIATE.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL AND HVAC DRAWINGS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, DETAILS, LOCATION OF DUCTS, PIPES AND STEEL. INSTALL THE ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STEEL OR OTHER SYSTEMS.
- ALL ELECTRICAL DEVICES, EQUIPMENT, CONDUITS, CONNECTORS ETC. LOCATED OUTSIDE OF BUILDING ENVELOPE SHALL BE WEATHERPROOFED.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN 600 VOLT INSULATION. MINIMUM SIZE OF WIRE SHALL BE NO. 12 AWG, UNLESS NOTED OTHERWISE.
- GALVANIZED RIGID CONDUIT OR INTERMEDIATE METAL CONDUIT SHALL BE USED. ELECTRICAL METALLIC TUBING MAY BE USED IN INDOOR DRY LOCATIONS. LOCATIONS. FLEXIBLE CONDUIT SHALL BE USED FOR FINAL CONNECTIONS TO MOTORS AND OTHER VIBRATING EQUIPMENT.
- RECEPTACLES SHALL BE DUPLEX TYPE, 20 AMP, 125V, 3 WIRE, GROUNDING TYPE, NEMA CONFIGURATION 5-20R.
- PROVIDE WALL PLATES FOR FLUSH MOUNTED RECEPTACLES, SPECIFICATION GRADE, SATIN ALUMINUM, STANDARD SIZE. COVER PLATES FOR DEVICES IN TYPE FS AND FD BOXES FOR EXPOSED WORK, SHALL BE SHEET STEEL, SUITABLE FOR THE DEVICES INSTALLED. GANG TYPE COVERS SHALL BE USED WHERE MORE THAN ONE DEVICE IS MOUNTED IN A BOX.
- TEST THE COMPLETE SYSTEM TO DEMONSTRATE THAT THE ELECTRICAL COMPONENTS AND SYSTEMS ARE COMPLETE, INSTALLED AND FUNCTION PROPERLY. MAKE NECESSARY CORRECTIONS TO MALFUNCTION AND LEAVE SYSTEM READY FOR OPERATION.
- ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY THE OWNER.
- CONDUCTOR PENETRATION OF FIRE RATED PORTIONS OF A STRUCTURE SHALL BE EFFECTIVELY SEALED AND SLEEVED WITH STEEL FLEX 3 FEET EACH SIDE OF THE PENETRATION, OR OTHER APPLIED METHODS PER N.E.C. 300-21.
- FIRE STOPPING (PENETRATION SEALING) IS REQUIRED FOR EACH PENETRATION THROUGH A FIRE RATED WALL. PER U.B.C.-709.6/N.E.C. 300.21.

ELECTRICAL SYMBOL LIST

	FLUORESCENT LIGHTING FIXTURE SURFACE OR PENDANT MOUNTED
	FLUORESCENT STRIP LIGHTING FIXTURE
	INCANDESCENT DR H.I.D. LIGHTING FIXTURE RECESSED MOUNTED
	EXIT SIGN LIGHTING FIXTURE, DIRECTIONAL ARROW AS SHOWN
	DUPLEX RECEPTACLE @ +15" DR AS NOTED. GROUNDING TYPE
	GFI TYPE DUPLEX RECEPTACLE MOUNTED AS SHOWN ON PLAN
	JUNCTION BOX
	EXHAUST FAN
	TOGGLE SWITCH, SINGLE POLE, FLUSH MOUNTED @ 4'-0" DR AS NOTED
	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION, 1 OR 2 POLE AS REQUIRED, MOUNTED @ 4'-0" DR AS NOTED
	LIGHTING OR RECEPTACLE PANELBOARD @ +6'-6" TO TOP
	FIXTURE DESIGNATION, 'A' = FIXTURE TYPE, 115 = TOTAL WATTS
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL
	FLEXIBLE CONDUIT
	HOMERUN TO PANEL 'P' CIRCUITS #1 & #3 WITH WIRES AS NOTED
	PLAN NOTE #2
	EQUIPMENT WITH 'E' ADJACENT IS EXISTING TO REMAIN
	EQUIPMENT WITH 'R' ADJACENT IS EXISTING TO BE COMPLETELY DISCONNECTED AND REMOVED.
	EXISTING CONDUIT RUN TO REMAIN. EXISTING CONDUCTORS TO REMAIN UNLESS NOTED OTHERWISE.
	EXISTING CONDUIT AND WIRE RUN TO BE COMPLETELY DISCONNECTED AND REMOVED BACK TO LAST REMAINING OUTLET OR DEVICE.
	EXISTING
	NEW

ELECTRICAL WIRING LEGEND

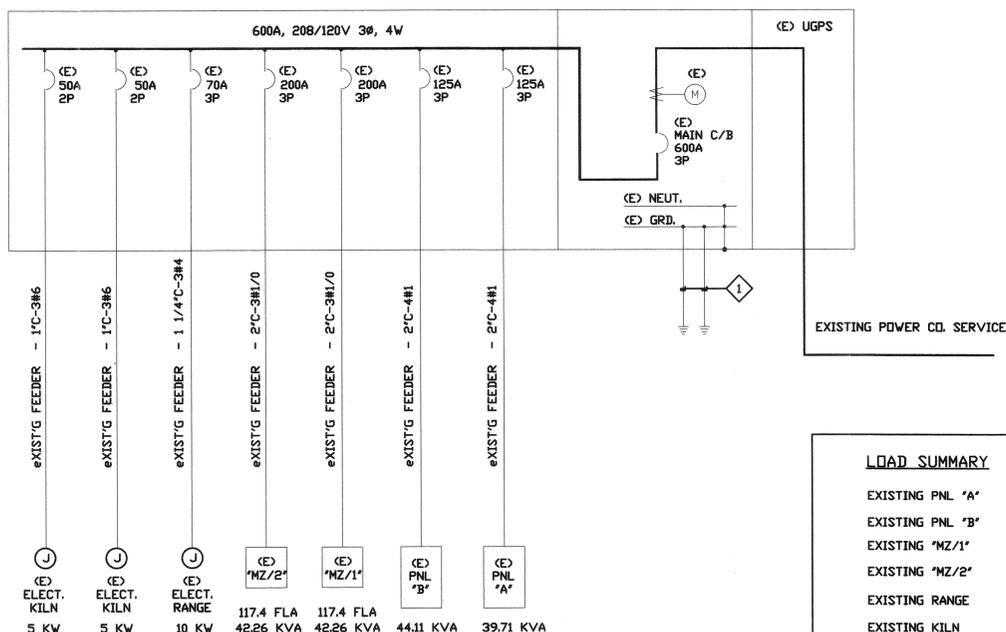
	1/2" - 2#12		1/2" - 3#12		3/4" - 4#12
	3/4" - 5#12		1" - 6#12		1" - 7#12
	1/2" - 2#10		3/4" - 3#10		3/4" - 4#10
	1" - 5#10		1" - 2#8		1" - 3#8
	ISOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE.				

NOTE:
IN ADDITION TO PHASE AND NEUTRAL WIRES SHOWN ABOVE, ONE GROUND WIRE SHALL BE ADDED IN EACH CONDUIT RUN. GROUND WIRE SHALL BE SIZED PER N.E.C. TABLE 250-95, BUT NOT SMALLER THAN #12.

PANEL		EXISTING PANEL 'A'		MOUNTING		FLUSH	
DESCRIPTION	VOLTS	AMPS	PHASE	DESCRIPTION	VOLTS	AMPS	PHASE
MULT-PURPOSE LTG	1100			MULT-PURPOSE LTG	900		
MULT-PURPOSE LTG	1000			MULT-PURPOSE LTG	1000		
MULT-PURPOSE LTG	900	18	1	MULT-PURPOSE LTG	900		
MULT-PURPOSE LTG	900	18	1	MULT-PURPOSE LTG	900		
1/4 HP EF/1 FAN	670	1	1	MULT-PURPOSE LTG	1300		
RR RMS -28,29	1360	16	1	MULT-PURPOSE LTG	1200		
RR RMS -2,3	600	6	1	MULT-PURPOSE LTG	1100		
1/6 HP EF/5 FAN	510	1	1	MULT-PURPOSE LTG	1100		
1/6 HP EF/6 FAN	510	1	1	MULT-PURPOSE LTG	1200		
RH-19,20,23,ROOFVELL	1100	8	1	RMS-16,23,24,29,36,EXT	1500		
RH-25,26,27,ROOFVELL	1000	9	1	RMS-18,23,29,EXT,REAR	1600		
RELAY CONTROLS	200	1	1	RMS-1,7,9,11,EXT	1200		
PORTABLE P.B.X.	200	1	1	RMS-1,5,8,9,13,EXT	1200		
RMS-9,10,16,17	800	4	1	1000 RMS-1,6,12,15,EXT			
TEL BKBD 'TB'	500	1	1	CEILING J-BOXES	500		
SPARES	500	1	1	CEILING J-BOXES	500		
SPARES	500	1	1	CEILING J-BOXES	500		
CEILING J-BOXES	500	1	1	CEILING J-BOXES	500		
CEILING J-BOXES	500	1	1	CEILING J-BOXES	500		
CEILING J-BOXES	500	1	1	CEILING J-BOXES	500		
TOTALS							
21,460	WATTS	X L25 CLARGEST MOTOR =	26,813	WATTS			
OTHER LOAD (SEE CALCS. BELOW)			12,900	WATTS			
TOTAL			39,718	WATTS			
				TOTAL AMPS			110

* INDICATING EXISTING CIRCUIT BEEN MODIFIED FOR THIS IMPROVEMENT.

EXISTING MAIN DISTRIBUTION PANEL 'MDP'



LOAD SUMMARY

EXISTING PNL 'A'	39.7 KVA
EXISTING PNL 'B'	44.1 KVA
EXISTING 'MZ/1'	42.30 KVA
EXISTING 'MZ/2'	42.30 KVA
EXISTING RANGE	10.0 KVA
EXISTING KILN	5.0 KVA
EXISTING KILN	5.0 KVA
	188.4 KVA
	523 AMPS @ 208/120V, 3Ø, 4W

SINGLE LINE DIAGRAM

NOT TO SCALE

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SHEET TITLE •

ELECTRICAL SYMBOLS
GENERAL NOTES
LTG FIXTURE SCHEDULE
PANELBOARD SCHEDULE
SINGLE LINE DIAGRAM

DRAWN • CE

CHECKED • DL

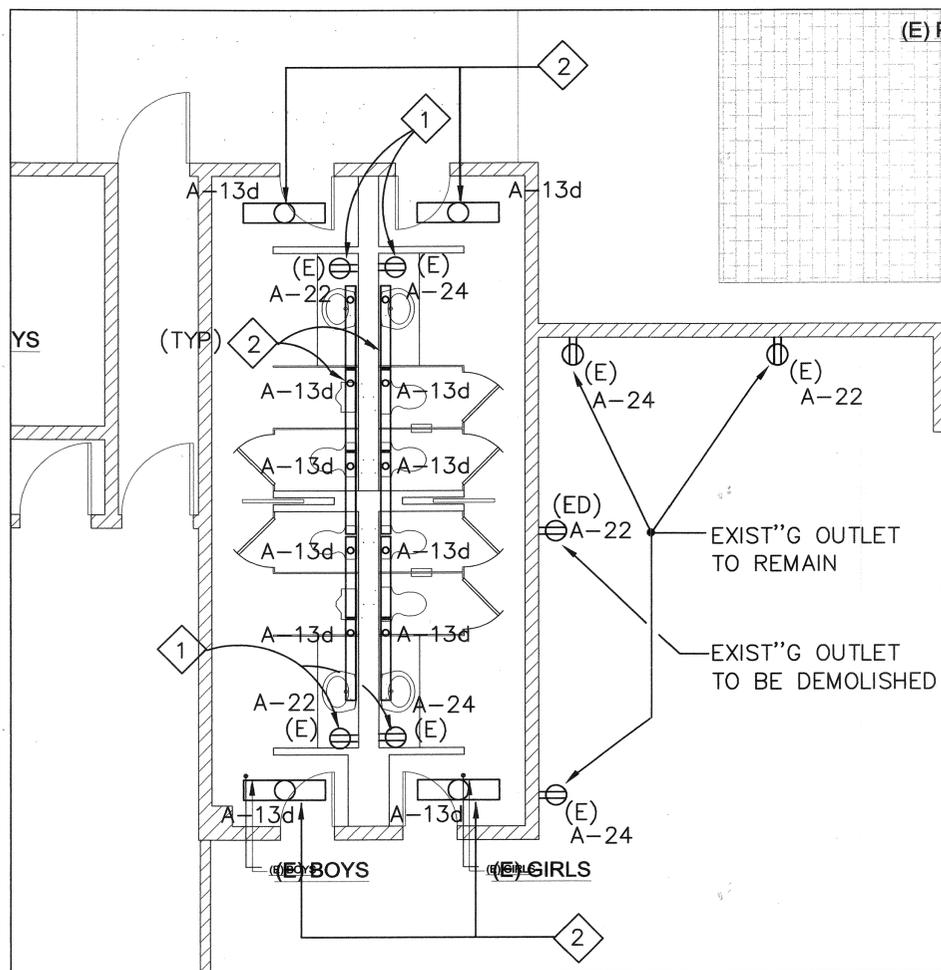
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DATE • 02-12-02

JOB • 01021

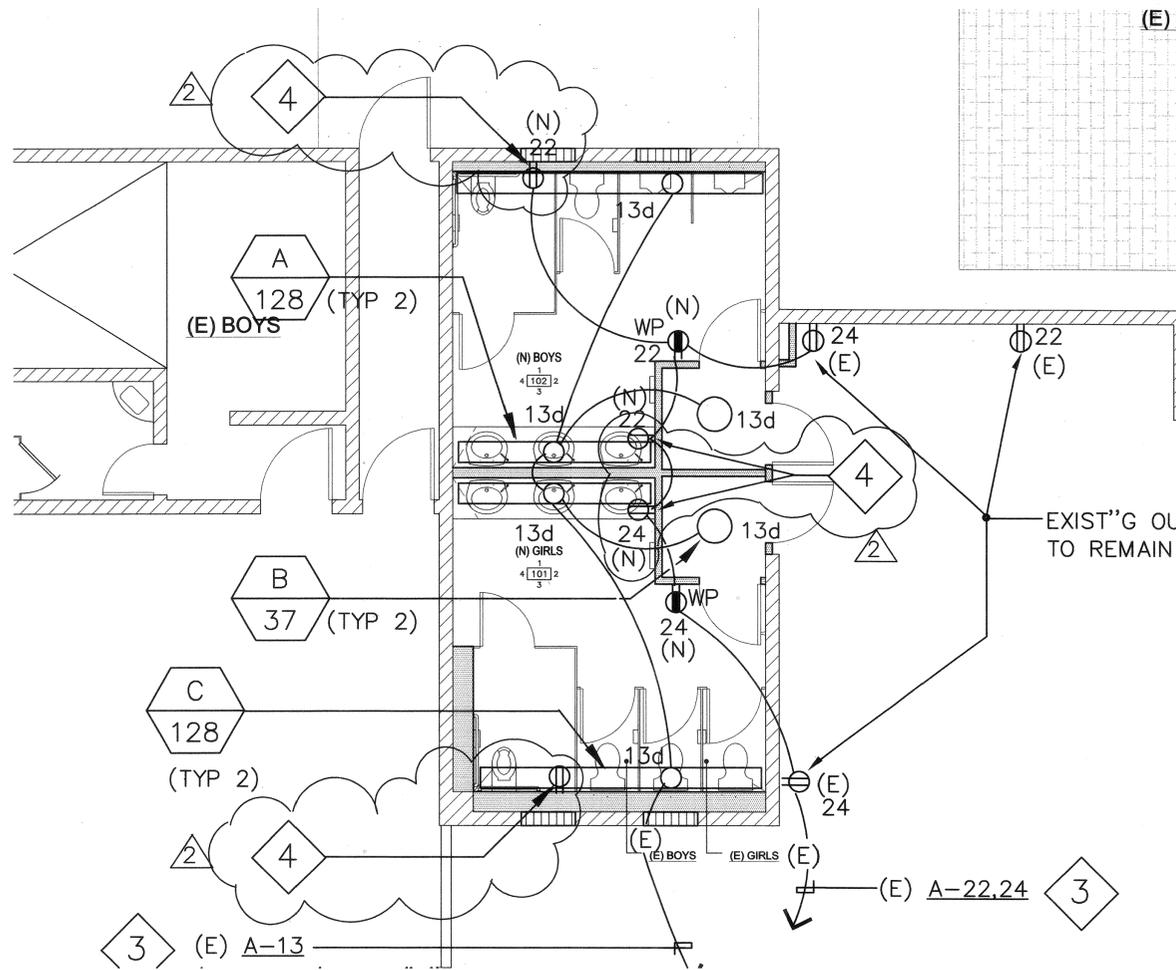
SHEET •

E-1



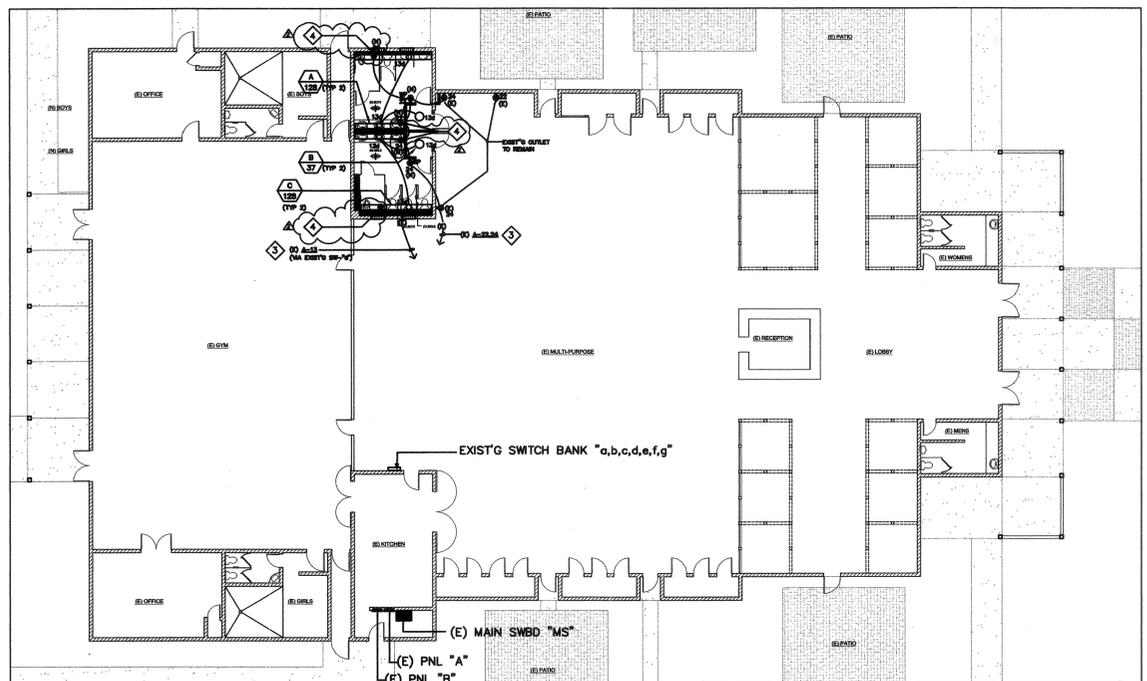
ELECTRICAL DEMOLITION PLAN

1/4" = 1'-0"



NEW ELECTRICAL PARTIAL PLAN

1/4" = 1'-0"



OVERALL ELECTRICAL FLOOR PLAN

1/8" = 1'-0"

PLAN NOTES:

- 1. EXISTING DUPLEX RECEPTACLE OUTLET TO BE DISCONNECTED AND REMOVED.
- 2. EXISTING SURFACE/WALL MOUNTED FLUORESCENT LIGHTING FIXTURE TO BE DISCONNECTED AND REMOVED.
- 3. EXISTING HOMERUN CIRCUIT WIRING TO BE REUSED FOR THIS IMPROVEMENT.
- 4. RECEPTACLE OUTLET FOR PLUMBING FIXTURE SENSOR CONTROL MODULE PLUG-IN TRANSFORMER - VERIFY WITH PLUMBING CONTRACTOR FOR REQUIREMENT AND LOCATION.

KEY NOTES

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PROJECT •

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7240 MARQUERITA AVE.
RIVERSIDE, CA. 92504

REVISION

- 1-25-02 1st PLAN CHECK REVISIONS
- 8-29-02 2nd PLAN CHECK REVISIONS
- 9-27-02 ADDENDUM NO. 1

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SHEET TITLE •

ELECTRICAL PLAN

Legend

- (E) WALL TO REMAIN.
- (E) 8" CMU WALL.
- (N) 2"x MTL. STUD WALL @ 16" O.C. W/ 5/8" W.R. GYP. BD. @ INTERIOR OF RESTROOM. SEE PLAN FOR WALL THICKNESS. (5/8" GYP. BD. ELSEWHERE)
- (N) 2"x METAL STUDS @ 16" O.C. INFILL W/ GYP. BD. AND/OR EXTERIOR PLASTER FINISH WHERE OCCURS.
- EXISTING IMPROVEMENTS TO BE DEMOLISHED.

DRAWN • C.E.

CHECKED • D.L.

SCALE • AS SHOWN

DATE • 02-12-02

JOB • 01021

SHEET •

E-2