PROTOTYPE
COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK & RECREATION DEPARTMENT

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DIVISIONS 1 THRU 9 OF THE CALIFORNIA ENERGY CONSERVATION STANDARDS FOR NON RESIDENTIAL BUILDINGS HAVE BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE SHEETS IS IN SUBSTANTIAL CONFORMANCE.

E-2473 NOV. 8/1978

ARCHITECT: E. WARREN BRUCE A.I.A. 6370 MAGNOLIA AVE. RIVERSIDE

STRUCTURAL ENGINEERS
JOHNSON & NIELSEN ASSOCIATES
4310 ORANGE STREET
RIVERSIDE, CALIFORNIA 92501

MECHANICAL ENGINEERS
STUEVEN ASSOCIATES
10951 SORRENTO VALLEY RD. SUITE H
SAN DIEGO, CALIFORNIA 92121

ELECTRICAL ENGINEERS
RANDALL/LAMB/ASSOCIATES
11696 SORRENTO VALLEY RD. SUITE I
SAN DIEGO, CALIFORNIA 92121

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CA.
TELE. (714) 781-9764
A.I.A.

TITLE SHEET INDEX

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
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JOB 7620

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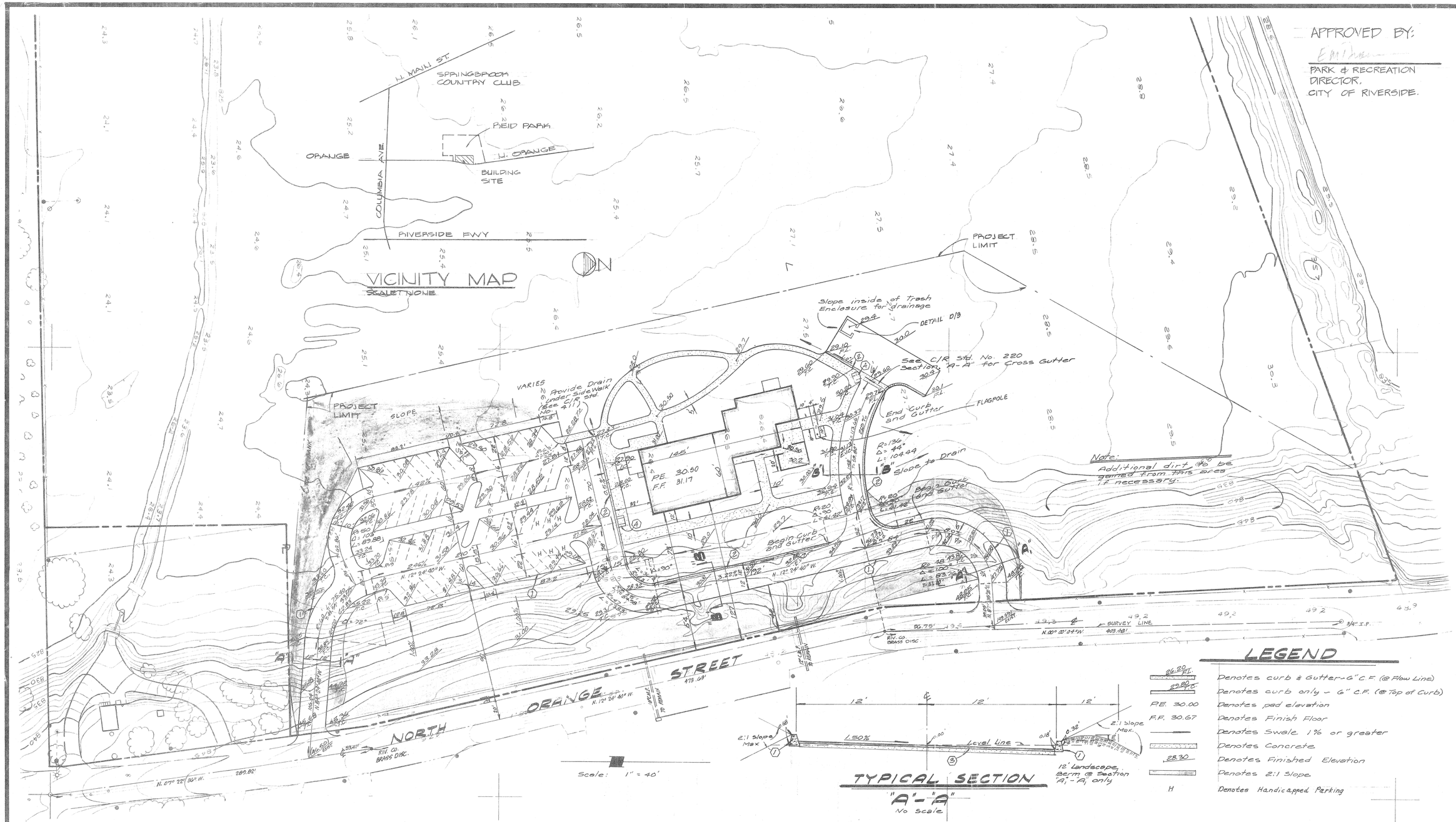
OF 15 SHEETS



APPROVED BY:

PARK & RECREATION DIRECTOR, CITY OF RIVERSIDE.

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

KICAK WAINSCOTT & ASSOC.
CIVIL ENGINEERS
GRAND TERRACE, CALIFORNIA
APPROVED BY: DATE 11-22-77
R.C.E. 16056

GRADING PLAN
REID PARK
VICINITY MAP

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
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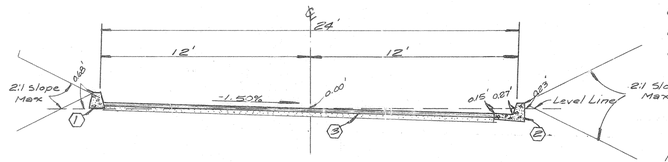
LEGEND

26.20 F.L.	Denotes curb & Gutter - 6" C.F. (@ Flow Line)
29.80 T.C.	Denotes curb only - 6" C.F. (@ Top of Curb)
P.E. 30.00	Denotes pad elevation
F.F. 30.67	Denotes Finish Floor
	Denotes Swale 1% or greater
	Denotes Concrete
28.30	Denotes Finished Elevation
	Denotes 2:1 Slope
H	Denotes Handicapped Parking

TYPICAL SECTION
"A"-"A"
No Scale



TYPICAL SECTION
"B"-"B"
No Scale

GENERAL NOTES

1. All grading shall be done in accordance with Chapter 70 of the Uniform Building Code, State of California, 1976 Edition, and a preliminary Foundation Investigation prepared by Pacific Foundation Engineers Inc. under Report No. P.F.E.-7123 dated September 15, 1977.
2. Building Pads to be a minimum of 5' larger than the building for trenching.
3. Compaction: All fill to be compacted to a density of not less than 90% of the maximum as determined by A.S.T.M. Standard No. D-1557-58T. The test for density of soil in place shall be as prescribed by A.S.T.M. Standard No. 1556-58T.

FLOOD HAZARD CERTIFICATION

THE MAIN BUILDING SHOWN ON THIS PLAN WILL BE FREE FROM FLOODING BY STORM RUNOFF FROM A 100 YR. FREQUENCY STORM.

BY: L.A. Wainscott

L.A. WAINSCOTT R.C.E. 16056

EARTHWORK NOTE

The below Quantities do not reflect Subsidence, Shrinkage or any special conditions called for by the preliminary Soils Investigation. Prior to grading, the Contractor is to review the prelimary Foundation Investigation prepared by Pacific Foundation Engineers Inc. under Report No. P.F.E.-7123 dated September 15, 1977.

EARTHWORK QUANITITIES

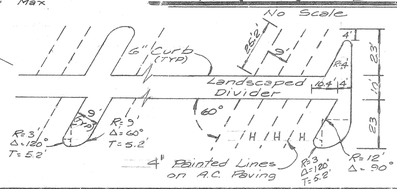
Cut	5600 C.Y.
Fill	4600 C.Y.

CONSTRUCTION NOTES

1. Construct 6" Curb per Standard No. 200 Type II.
2. Construct 6" Curb & Gutter per Standard No. 200 Type I.
3. Construct 2½" A.C. paving over 7" D.G.
4. Construct standard 304 Wheelchair Ramps

PARKING DETAIL

No Scale



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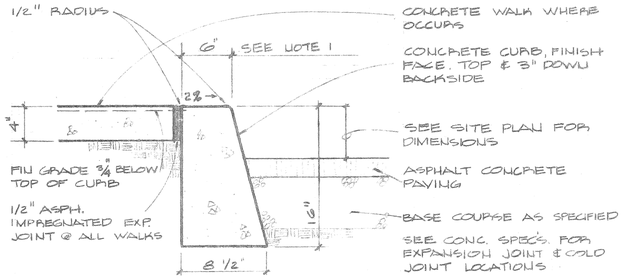
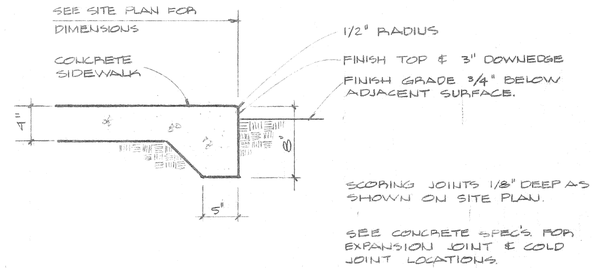


NOTE:
1. CURB LOCATION DIMENSIONS ON PLAN SHALL BE TO THIS POINT.
2. EXPANSION JOINTS 1/2" THICK SHALL BE INSTALLED AT ALL CURB RETURNS WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10' INTERVALS THROUGHOUT THE LENGTH OF THE CURB, AT QUARTER POINTS OF CURB RETURNS.

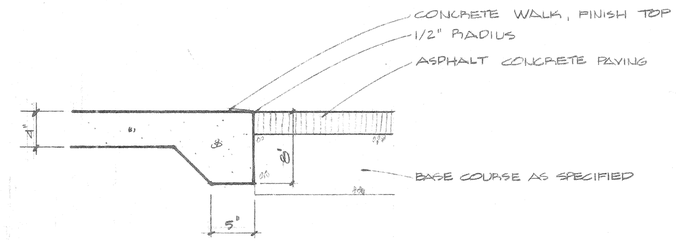
SCALE: 1 1/2" = 1'-0"

C



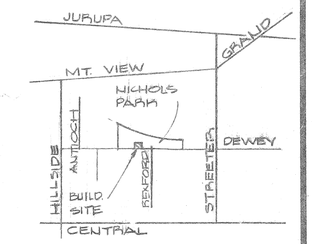
SCALE: 1 1/2" = 1'-0"

B



SCALE: 1 1/2" = 1'-0"

A



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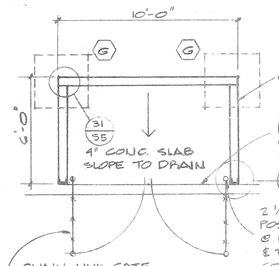
SCALE: NONE

VICINITY MAP



SCALE: 1/4" = 1'-0"

D

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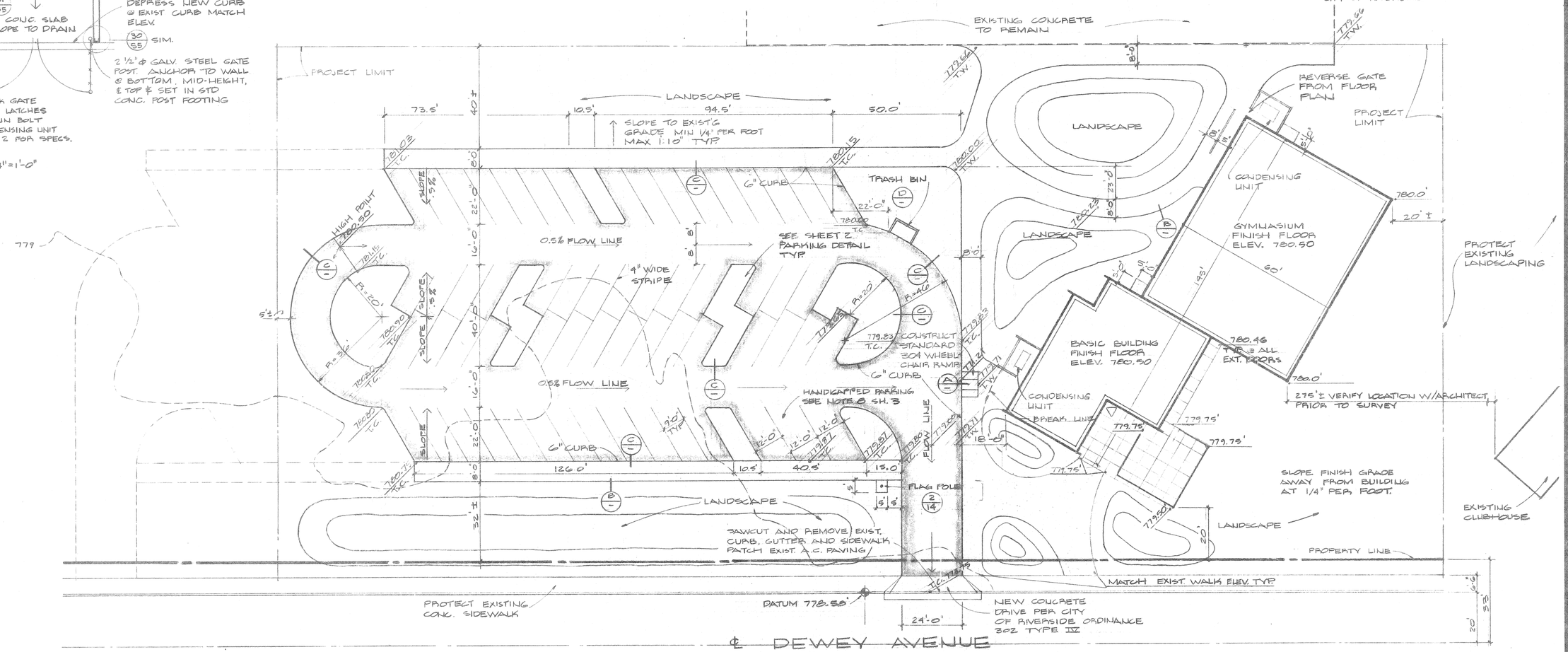
CITY OF RIVERSIDE.



N

SITE PLAN

SCALE: 1" = 20'

LEGEND & ABBREVIATIONS

- 750 — EXISTING CONTOUR LINES
- 50 — NEW CONTOUR LINES
- FLOW LINE
- NEW CONCRETE PAVING
- NEW ASPHALT PAVING
- NEW BUILDING OUTLINE

ADDRESS: 5505 DEWEY AVE.
USE ZONE: R-1-65
FIRE ZONE: II
OCC. GROUP: B-2

7-23-79 ADDED PARKING LOT GRADES

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

NICHOLS PARK
SITE PLAN
VICINITY MAP
DETAILS

PROTOTYPE COMMUNITY RECREATION CENTER

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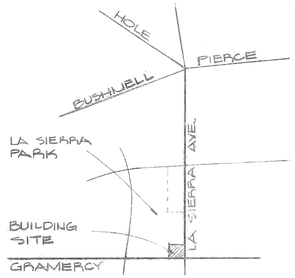
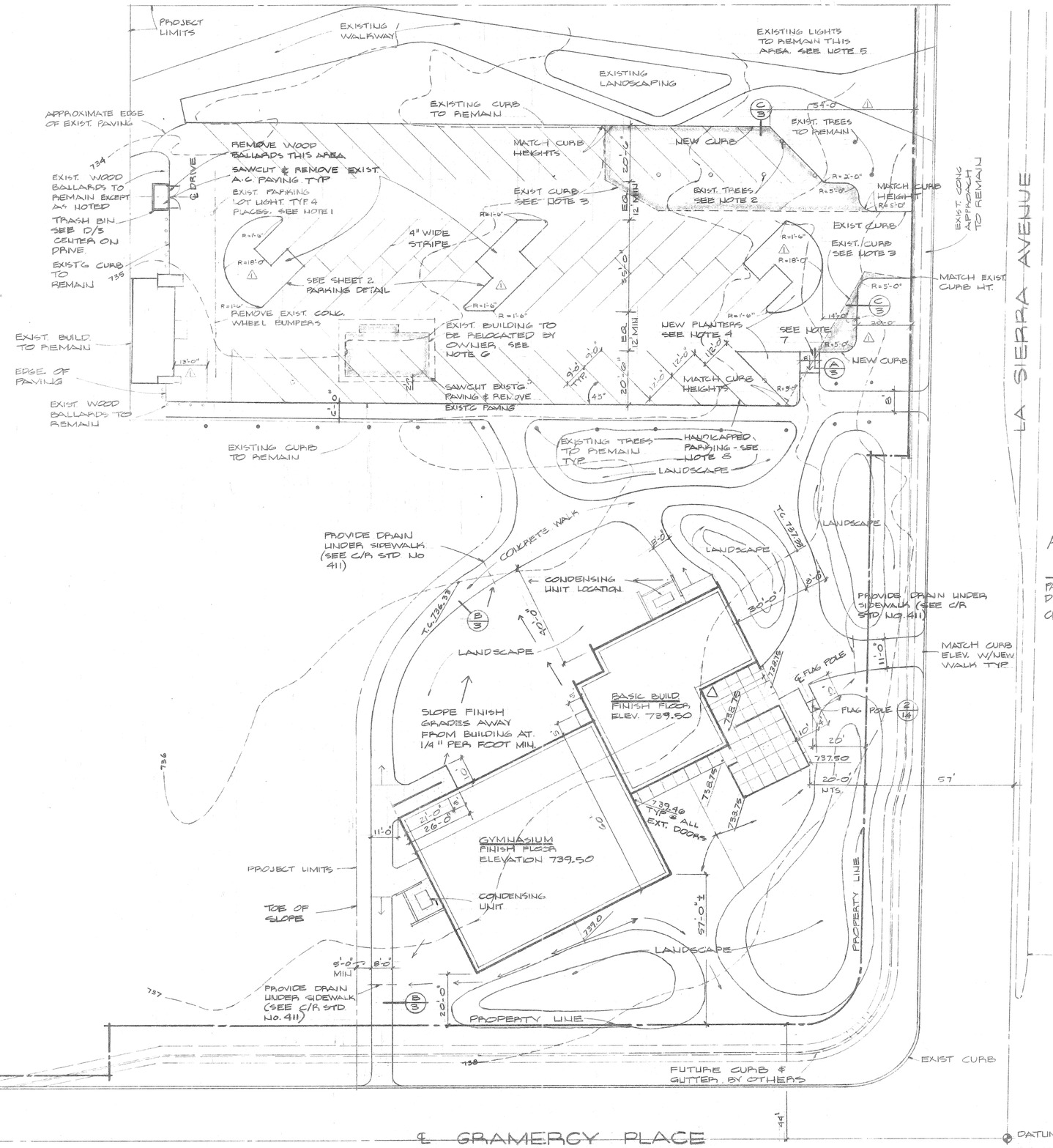


SCALE: NONE

VICINITY MAP

GENERAL NOTES

1. REMOVE EXISTING LIGHT STANDARDS AND CONC. BASES. DISCONNECT FROM EXISTING SERVICE. ABANDON EXISTING CONDUIT BELOW PAVING. RETURN LIGHT STANDARDS TO OWNER.
2. REMOVE AND RELOCATE EXISTING TREES. ON SITE LOCATION TO BE COORDINATED WITH OWNER.
3. REMOVE EXISTING CONC. CURB AND REMOVE FROM SITE. SAWCUT EXISTING CURB AS REQUIRED TO PROVIDE CLEAN BREAK.
4. SEE IRRIGATION AND PLANTING PLANS.
5. ELECTRICAL CONTRACTOR TO REWORK EXISTING POWER AS REQUIRED
6. REMOVE EXISTING CONC. SLAB AND FOOTING. FILL FOOTINGS IN ACCORDANCE WITH EARTHWORK SPECIFICATIONS.
7. CONSTRUCT STANDARD 304 WHEELCHAIR RAMP
8. HANDICAPPED PARKING: STRIPPING, SYMBOLS & SIGNS TO CONFORM TO LOCAL, STATE & FEDERAL ORDINANCES.



LEGEND & ABBREVIATIONS

- 750 — EXISTING CONTOUR LINES
- 50 — NEW CONTOUR LINE
- → → → FLOW LINE
- NEW CONCRETE PAVING
- NEW ASPHALT PAVING
- NEW ASPHALT OVERLAY
- NEW BUILDING OUTLINE

ADDRESS: 5215 LA SIERRA AVE
USE ZONE: O
FIRE ZONE: II
OCC. GROUP: B-2

SITE PLAN

SCALE: 1" = 20'

△ 3/6/79 DIMENSIONS OF PARKING LOT

APPROVED BY:

PARK & RECREATION DIRECTOR, CITY OF RIVERSIDE.

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

LA SIERRA PARK
SITE PLAN
VICINITY MAP

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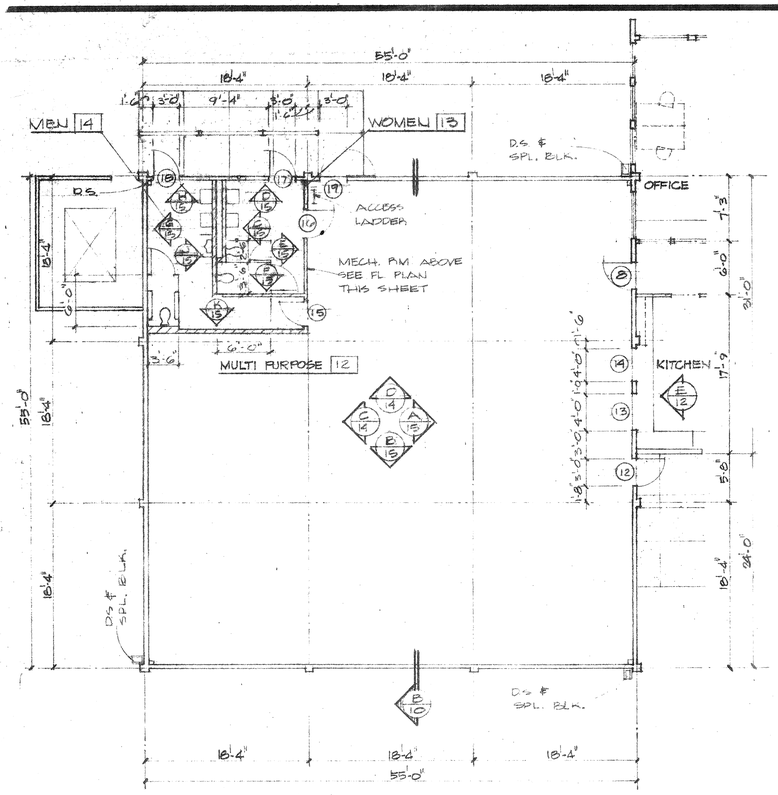


NOT A PART OF CONTRACT

FLOOR PLAN (MULTI PURPOSE ROOM ONLY)

SCALE - 1/8" = 1'-0"

DOOR SCHEDULE

DOOR NO	DOOR SIZE	TYPE	THICKNESS	CONSTRUCT	FACING FIN.	PARTITIONS	GLASS	FRAME	REMARKS (H.M.-HOLLOW METAL; S.C. SOLID CORE; W-WOOD; M-METAL)
1	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	
2	3'-0" X 6'-8"	A	1 3/4	S.C.	W	-	-	HM	
3	PR. 3'-0" X 6'-8"	C	1 3/4	S.C.	W	-	-	HM	
4	3'-0" X 6'-8"	B	1 3/4	S.C.	W	-	-	HM	
5	3'-0" X 6'-8"	B	1 3/4	S.C.	W	-	-	HM	
6	3'-0" X 6'-8"	A	1 3/4	S.C.	W	-	-	HM	
7	3'-0" X 6'-8"	A	1 3/4	S.C.	W	-	-	HM	
8	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	1 1/2 HR RATED
9	3'-0" X 6'-8"	A	1 3/4	S.C.	W	-	-	HM	
10	3'-0" X 6'-8"	A	1 3/4	S.C.	W	-	-	HM	
11	PR. 3'-0" X 6'-8"	C	1 3/4	HM	M	-	-	HM	FULL LOUVRE
12	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	
13	4'-0" X 4'-0"	D	-			-	-	HM	1 1/2 HR RATED
14	4'-0" X 4'-0"	D	-			-	-	HM	1 1/2 HR RATED
15	3'-0" X 6'-8"	B	1 3/4	HM	M	-	-	HM	
16	3'-0" X 6'-8"	B	1 3/4	HM	M	-	-	HM	
17	3'-0" X 6'-8"	B	1 3/4	HM	M	-	-	HM	
18	3'-0" X 6'-8"	B	1 3/4	HM	M	-	-	HM	
19	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	
20	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	1-HR RATED
21	6'-0" X 4'-0"	D	-			-	-	HM	1 1/2 HR RATED
22	3'-0" X 6'-8"	A	1 3/4	HM	M	-	-	HM	EMERGENCY EXIT ONLY

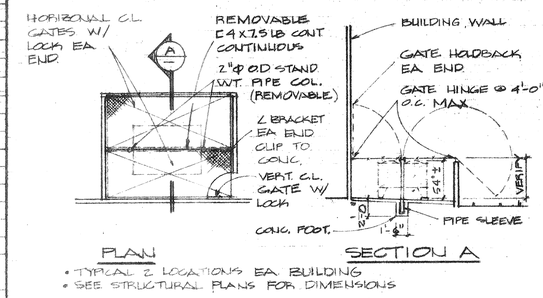
12 X 18 LOUVRE W/ 1/8 MESH BEHIND (GALV.)

LOUVRE W/ 1/8 MESH (GALV.) BEHIND - SEE DOOR SCHEDULE

A B C D

C.L. GATE SPECIFICATIONS

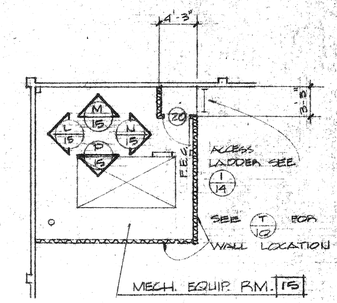
1. TYPE - CYCLONE FENCE DIVISION OF AMERICAN STEEL & WIRE CO.
2. FABRIC - 9 GA., 2" MESH W/ KNUCKLED SELVAGE EDGES, GALV.
3. FRAME - 2" O.D. HOT DIP GALVANIZED PIPE, 2.75 LBS PER LIN. FT. GATES SHALL HAVE ROD BRACING. WELD & GRIND SMOOTH CORNERS.
4. HARDWARE: MANUFACTURERS STANDARD - HEAVY GALV.
5. PROVIDE SHOP DRAWINGS



- TYPICAL 2 LOCATIONS EA BUILDING
- SEE STRUCTURAL PLANS FOR DIMENSIONS

CONDENSING UNIT COVER

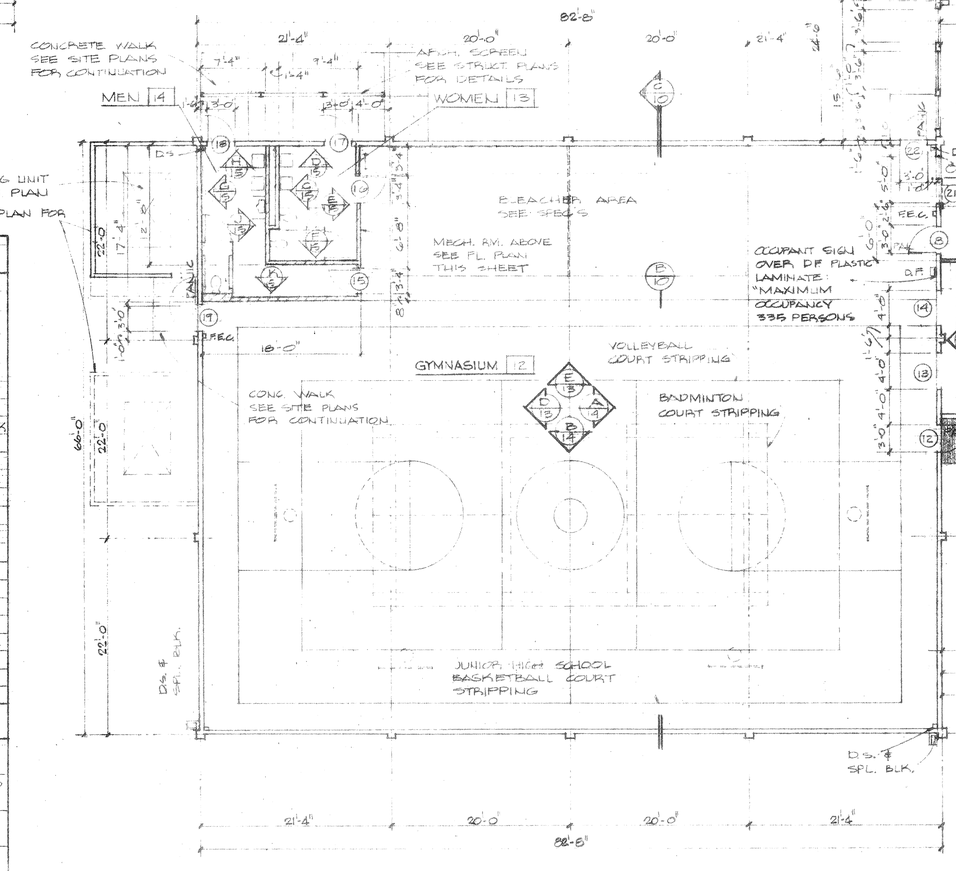
SCALE: 1/8" = 1'-0"

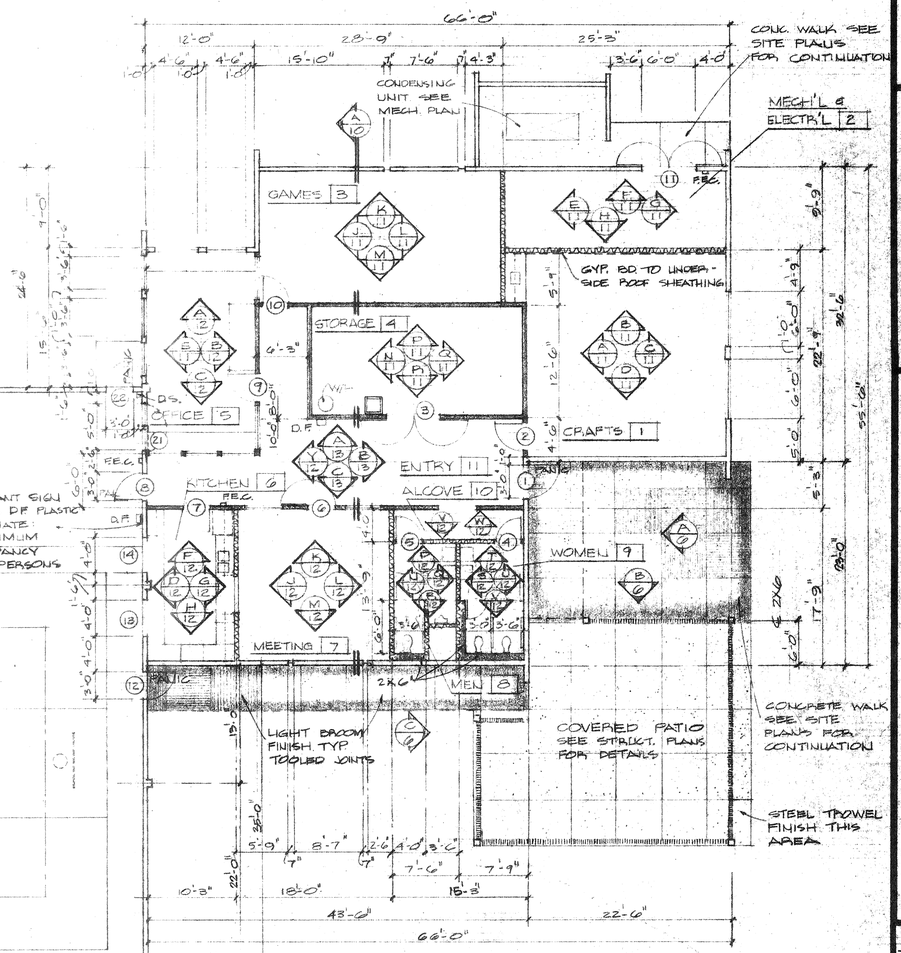


MECH. EQUIP. RM.

GYMNASIUM & MULTI PURPOSE

SCALE: 1/8" = 1'-0"





FLOOR PLAN (WITH GYMNASIUM)

SCALE: 1/8" = 1'-0"

NOTE! SEE SITE PLAN FOR ORIENTATION

JUN 23 1981

ROOM FINISH SCHEDULE

ROOM NO	ROOM TITLE	FLOOR	BASE	WALLS 1	WALLS 2	WALLS 3	WALLS 4	CEILING	CEIL. HT	REMARKS (KEY: 2 / 1 3 / 4)
1	CRAFTS	C	F	H	H	K	K	P*	8'-0"	*1-HR. ASSEMBLY
2	MECH'L. & ELECT'L.	A	-	H	K	K	H	H	VARIES	
3	GAMES	C	F	H/M	K	H	H	J		
4	STORAGE	A	F	H	H	H	H*	H	8'	*CERAMIC TILE @ SERVICE SINK
5	OFFICE	C	F	K	K	H	H	J	VARIES	
6	KITCHEN	C	F	K	H	H	K	H	8'	
7	MEETING	B	F	H	H	H	K	J	VARIES	
8	MEN	D	D	G	G	G	G	H	8'	
9	WOMEN	D	D	G	G	G	G	H	8'	
10	ALCOVE	C	F	H	H	H	H	H	8'	
11	ENTRY	C	F	H/K	H	H/K	H	H/J	8'-0"	
12	GYMNASIUM	C/E	F	A/J H/M	A/J H/M	A/J	A/J	H/P*	VARIES	*1-HR. ASSEMBLY
12	MULTI-PURPOSE*	C	F	A	A	A	A	P	24'-0"	*NOT A PART OF CONTRACT
13	WOMEN	D	D	N	N	N	N	K	8'	
14	MEN	D	D	N	N	N	N	K	8'	
15	MECH. EQUIP. RM.	A	-	H*	H*	H*	H*	H*	VARIES	*NO PAINT

ROOM FINISH CODE

A EXPOSED CONCRETE	E SYNTHETIC SURFACE	J ACOUSTICAL TILE	N MASONRY UNIT GLAZED
B CARPET	F TOP SET RUBBER	K CONCRETE PAINTED	P SUSPENDED GRID SYSTEM
C VINYL ASBESTOS	G GLAZED CERAMIC TILE	L SPARE	Q SPARE
D CERAMIC MOSIC TILE	H GYPSUM BOARD PAINTED	M MASONRY UNIT PAINTED	R SPARE

LEGEND & ABBREVIATIONS

- INDICATES CONCRETE TILT-UP WALL
- " 2X4" WD STUD PARTITION EXCEPT AS NOTED
- " SPECTRA-GLAZE
- " SOUND BATT INSULATION IN 2X4 WD. STUD PARTITION EXCEPT AS NOTED

E. WARREN BRUCE ARCHITECT A.I.A.
6370 MAGNOLIA AVE
RIVERSIDE, CALIF.
PHONE (714) 785-9764

FLOOR PLANS
FINISH SCHEDULE
DOOR SCHEDULE

PROTOTYPE COMMUNITY RECREATION CENTER
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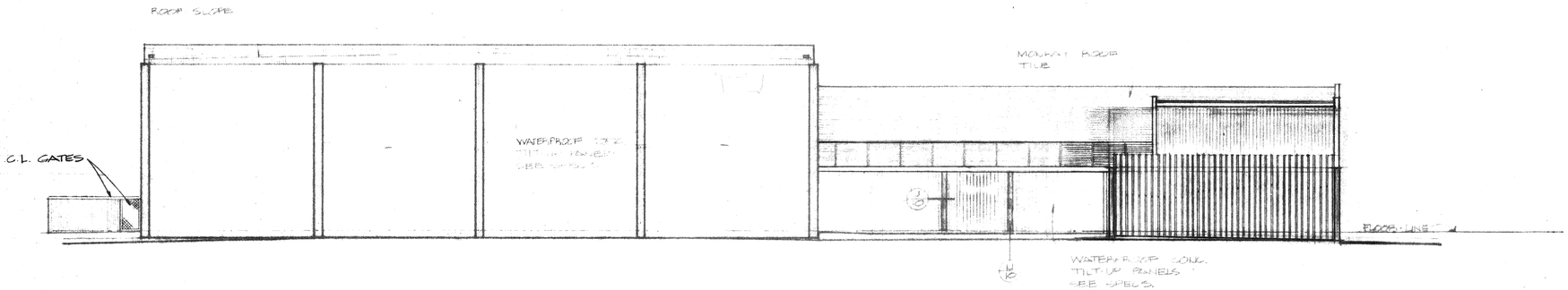
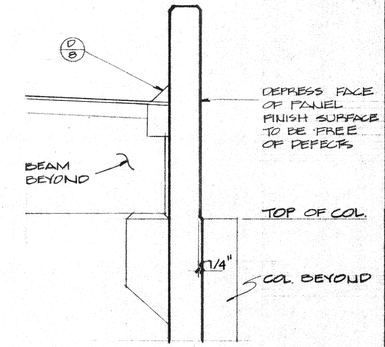
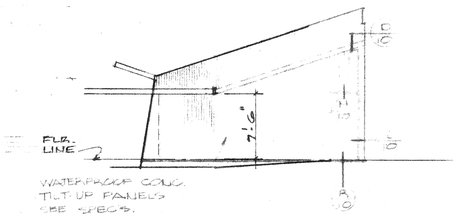


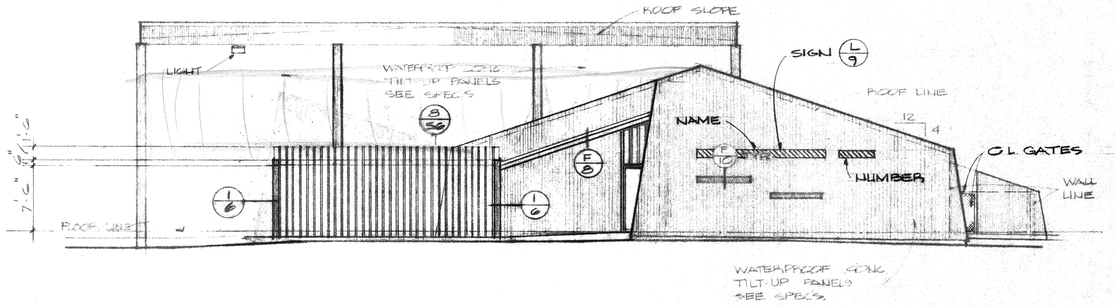
LEFT ELEVATION



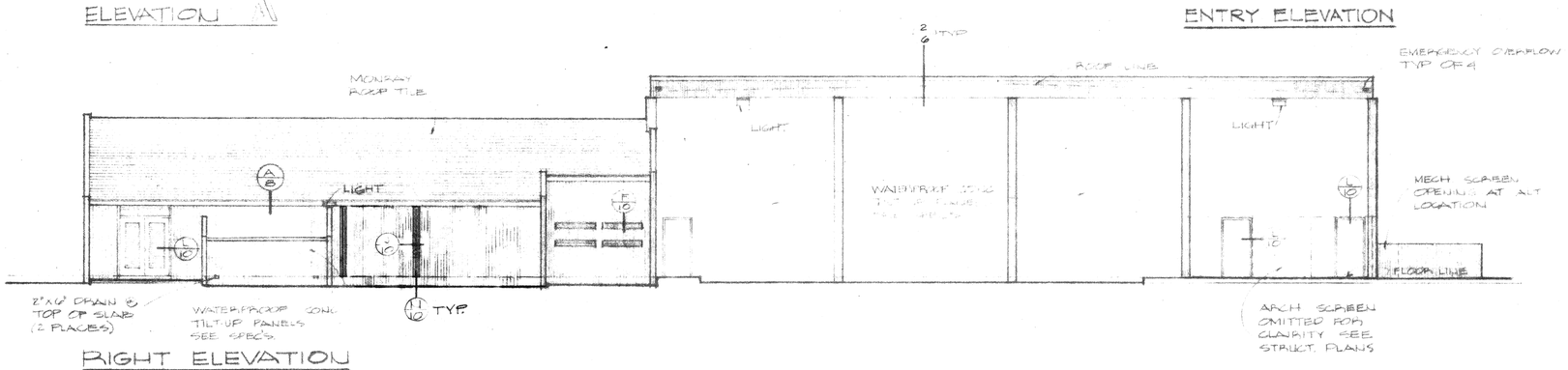
SCALE: 1"=1'-0"



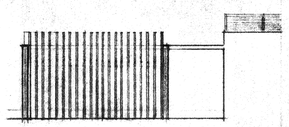
ELEVATION



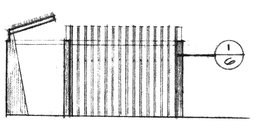
ENTRY ELEVATION



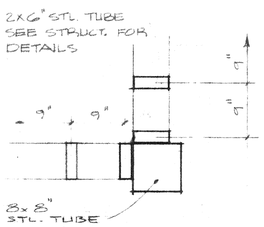
RIGHT ELEVATION



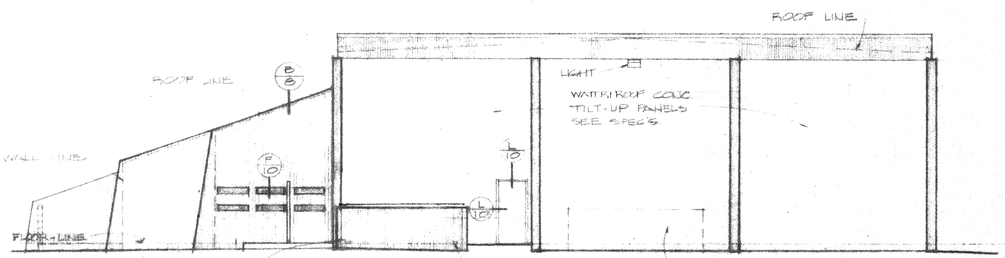
ELEVATION



ELEVATION



SCALE: 1"=1'-0"



REAR ELEVATION

SCALE - 1/8" = 1'-0"

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

EXTERIOR ELEVATIONS
GYMNASIUM

PROTOTYPE
COMMUNITY RECREATION CENTER

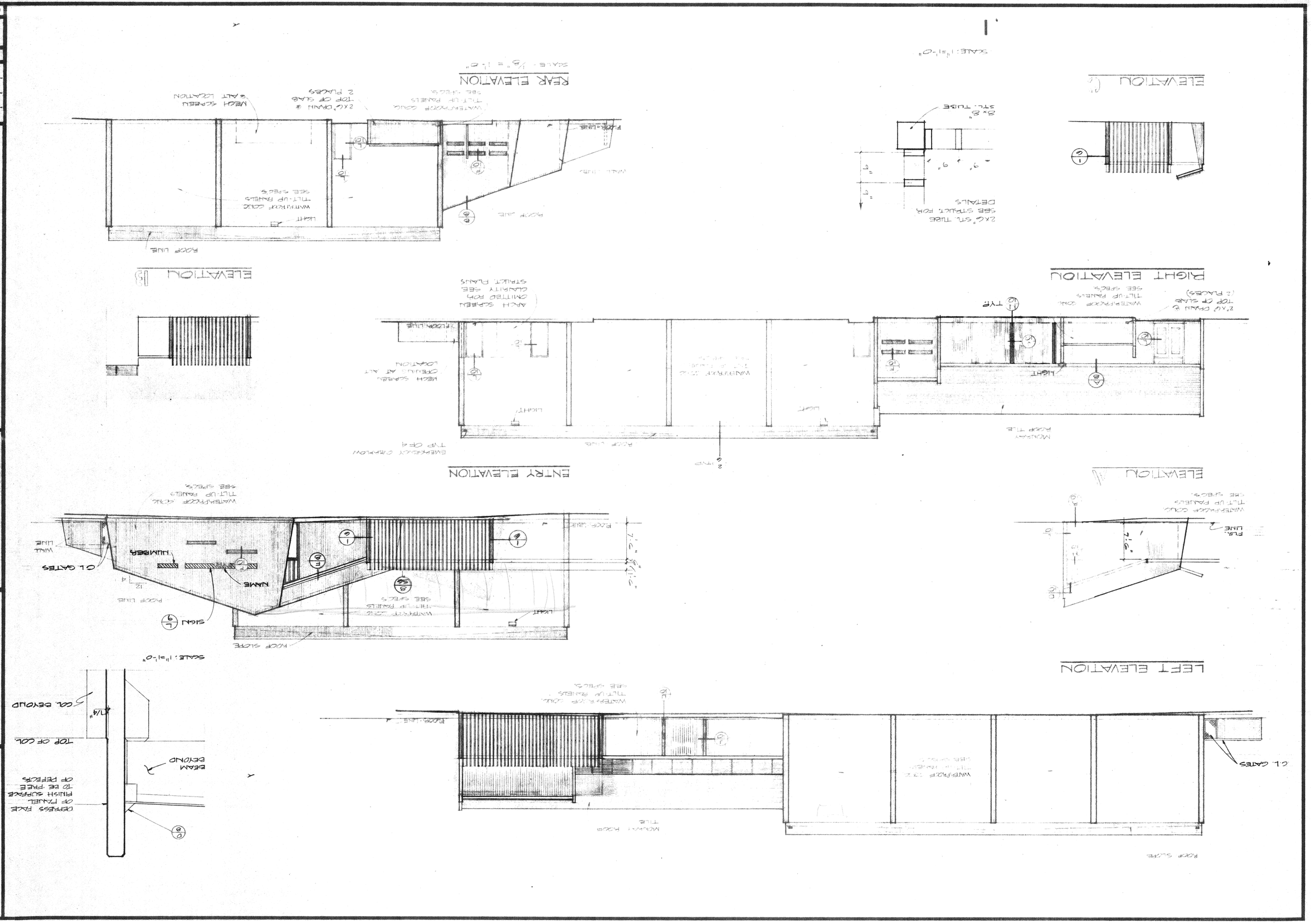
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE	NOV. 30, 1977
DRAWN	MJM WJ
CHECKED	EWB
REVISED	APRIL 26, 1978
JOB	76202

6

OF 15 SHEETS

OF 38


PROTOTYPE
COMMUNITY RECREATION CENTER
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EXTERIOR ELEVATIONS
GYMNASIUM
DATE NOV. 30,1977
DRAWN MJM WJ
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JOB 78202
6
OF 15 SHEETS
E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
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A.I.A.
ELEVATION 1
ELEVATION 2
ELEVATION 3
ELEVATION 4
ELEVATION 5
ELEVATION 6
ELEVATION 7
ELEVATION 8
ELEVATION 9
ELEVATION 10
ELEVATION 11
ELEVATION 12
ELEVATION 13
ELEVATION 14
ELEVATION 15
ROOF LINE
ROOF SLOPE
MOHAWK ROOF TILE
WATERPROOF COAT. TILT-UP PANELS SEE SPECS.
WATERPROOF COAT. TILT-UP PANELS SEE SPECS.
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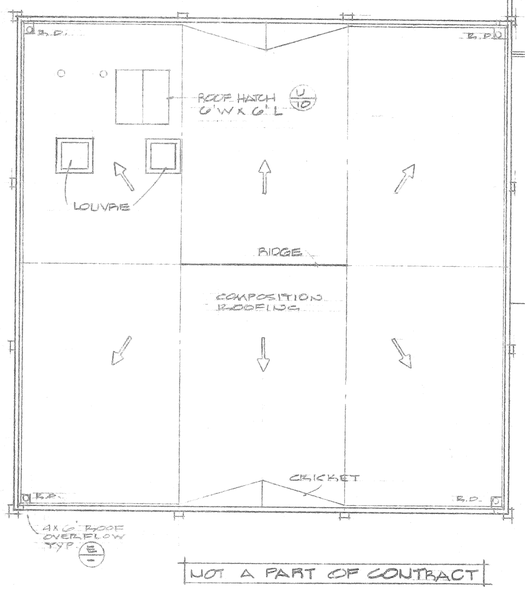
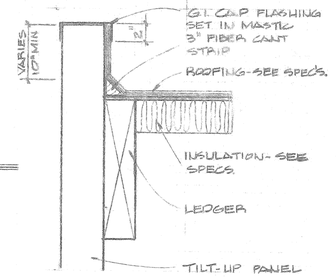
WATERPROOF COAT. TILT-UP PANELS SEE SPECS.
WATERPROOF COAT. TILT-UP PANELS SEE SPECS.
2"x6" DRAIN @ TOP OF SLAB (2 PLACES)
ARCH SCREEN OMITTED FOR CLARITY SEE STRUCT. PLANS
ARCH SCREEN OPENING AT ALT LOCATION
ARCH SCREEN @ ALT LOCATION
2"x6" DRAIN @ TOP OF SLAB 2 PLACES
EMERGENCY OVERFLOW TYP OF 4
2"x6" STL. TUBE SEE STRUCT. FOR DETAILS
8"x8" STL. TUBE
FLOOR LINE
WALL LINE
LIGHT
TYP
NAME
CL GATES
WALL LINE
SIGN
DEPRESS FACE OF PANEL TO BE FREE OF DEFECTS
FINISH SURFACE
BEAM BEYOND
TOP OF COL.
COL. BEYOND
SCALE: 1/8"=1'-0"
SCALE: 1/4"=1'-0"
SCALE: 1"=1'-0"



NOT A PART OF CONTRACT

ROOF PLAN (MULTI-PURPOSE R.M.)

SCALE - 1/8" = 1'-0"



SCALE: 1 1/2" = 1'-0"

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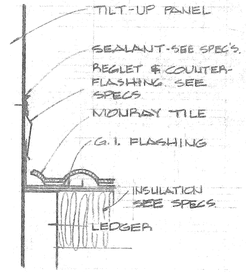

SCALE: 1 1/2" = 1'-0"

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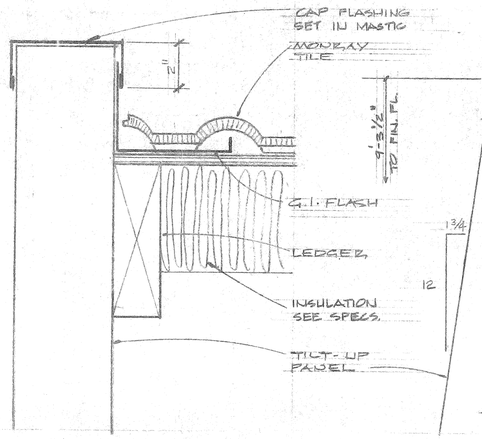

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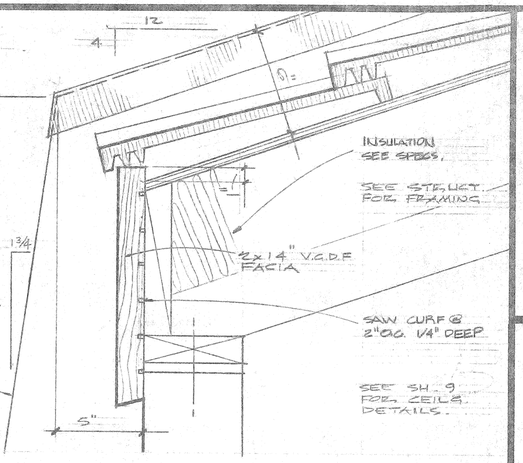

SCALE: 3" = 1'-0"

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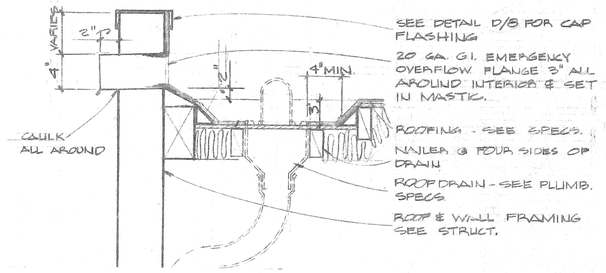

SCALE: 1 1/2" = 1'-0"

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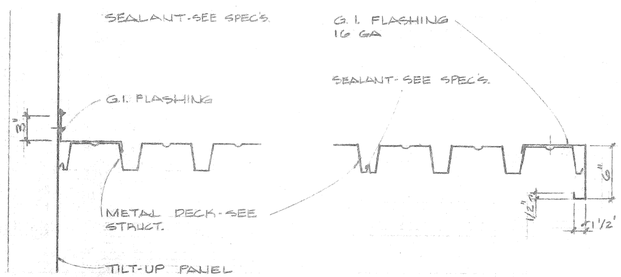
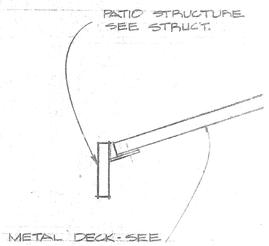


SCALE: 1 1/2" = 1'-0"

G

SCALE: 1 1/2" = 1'-0"

F



SCALE: 1 1/2" = 1'-0"

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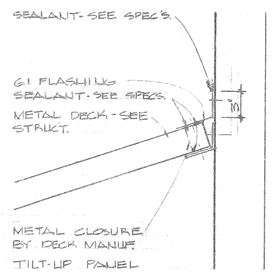

SCALE: 1 1/2" = 1'-0"

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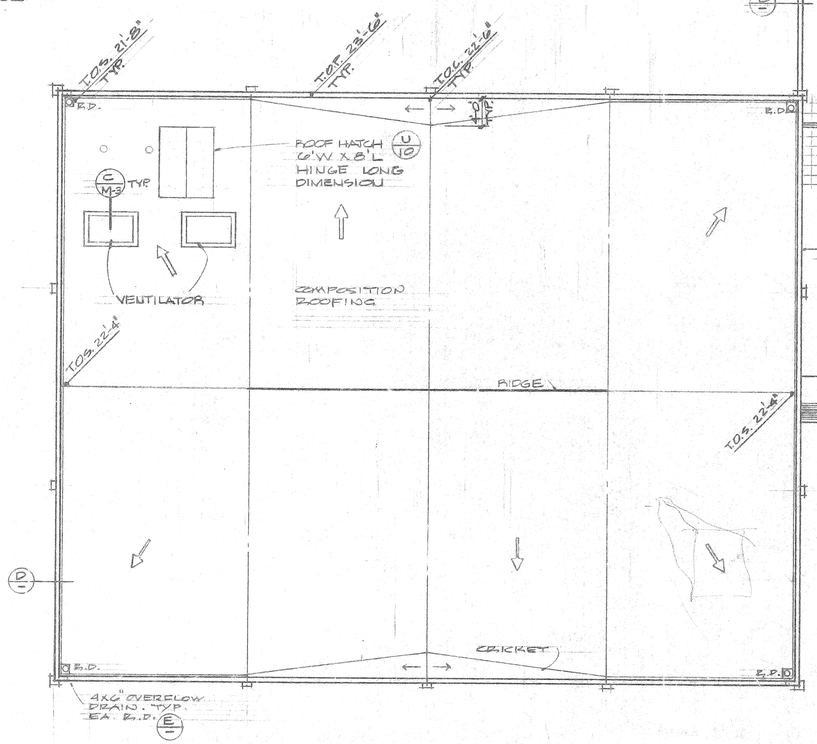
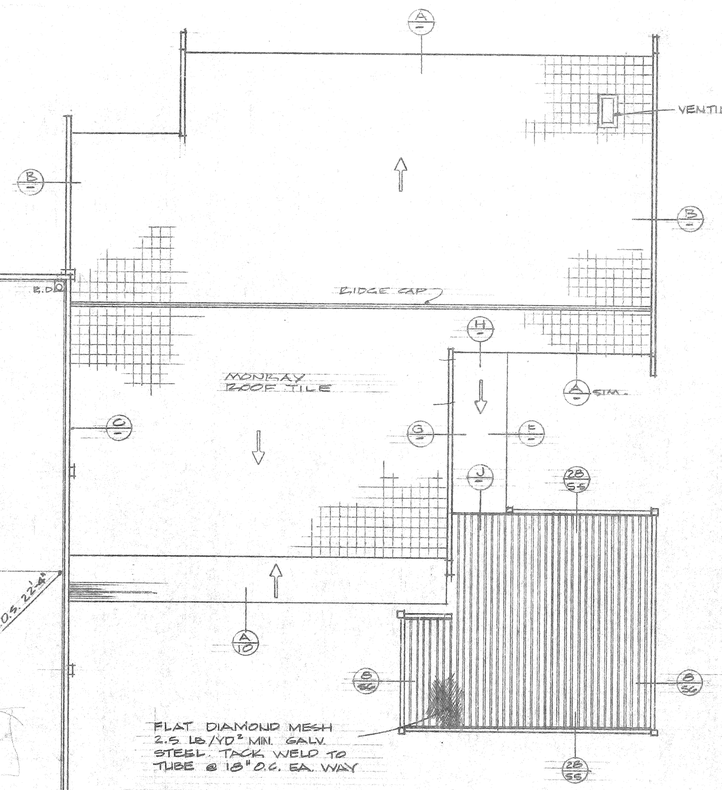


ROOF PLAN (WITH GYMNASIUM)

SCALE - 1/8" = 1'-0"



KEY:
T.O.P = TOP OF PARAPET
T.O.S = TOP OF SHEATHING
T.O.C. = TOP OF CRICKET SHEATHING

FINISH FLOOR ELEV. 0.00'

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF. 92506
TELE. (714) 781-2964

ROOF PLANS DETAILS

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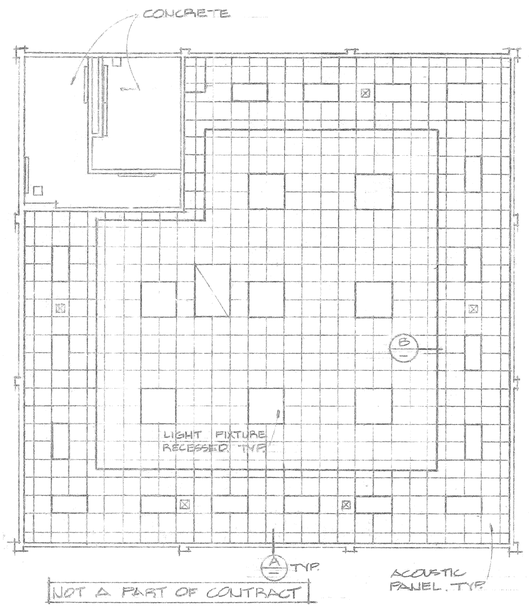
8

OF 15 SHEETS



CEILING PLAN MULTI-PURPOSE

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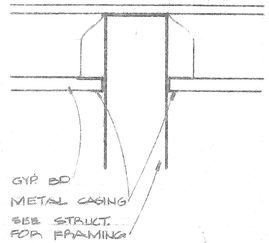

SCALE: 3" = 1'-0"

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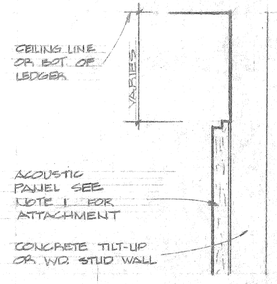

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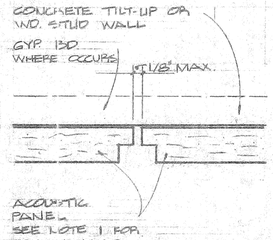

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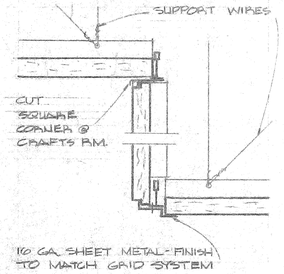

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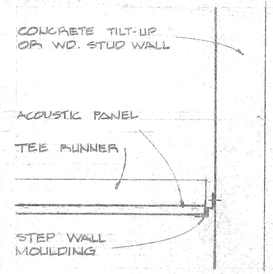

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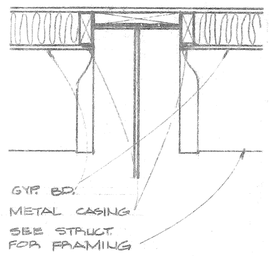

SCALE: 1 1/2" = 1'-0"

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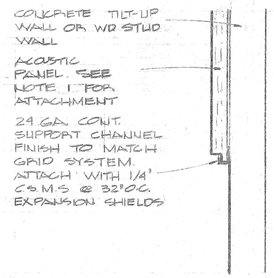
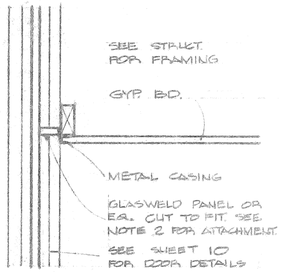


SCALE: NONE

F

GENERAL NOTES:

1. ADHESIVE APPLICATION OF ACOUSTIC PANELS SHALL BE IN ACCORDANCE WITH THE MANUFACTURES RECOMMENDATIONS. PANELS SHALL BE TEMPORARILY BRACED TO MAINTAIN CONTACT UNTIL ADHESIVE SETS.
2. ADHESIVE APPLICATION - USE CONSTRUCTION ADHESIVE AS MANUFACTURED BY MIRACLE ADHESIVES CORPORATION.



SCALE: 1 1/2" = 1'-0"

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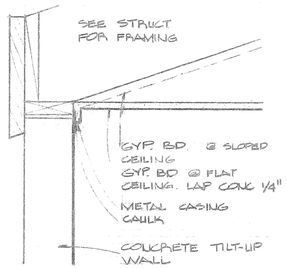

SCALE: 1 1/2" = 1'-0"

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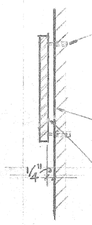

SCALE: NONE

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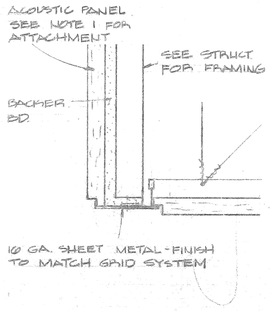

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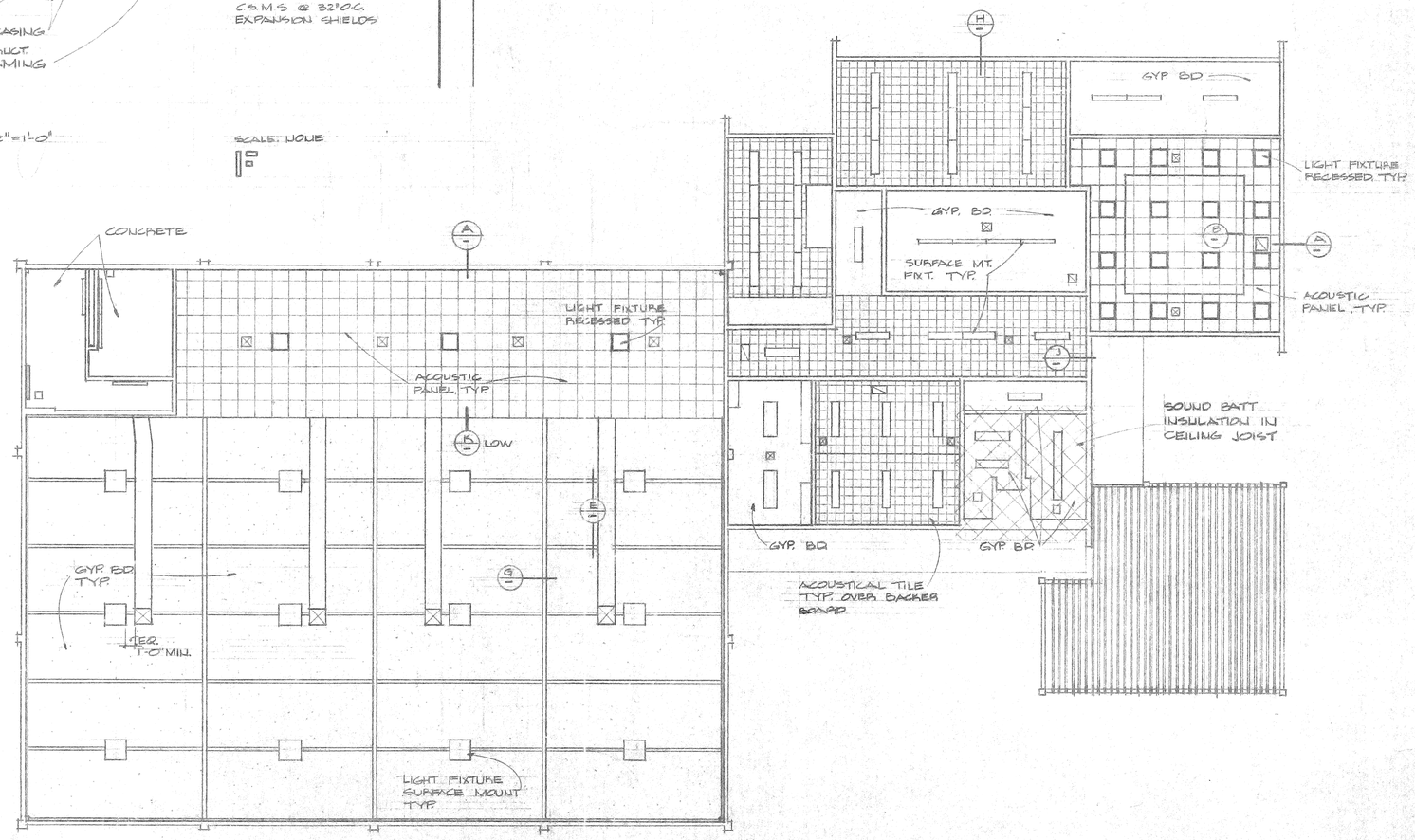

CEILING PLAN (WITH GYMNASIUM)

SCALE: 1/8" = 1'-0"

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

CEILING PLANS DETAILS

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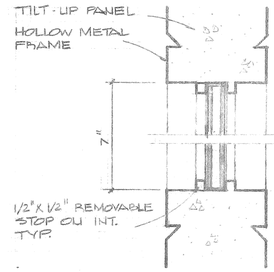
OF 15 SHEETS

OF 28



SCALE: 3"=1'-0"

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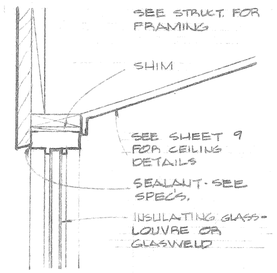

SCALE: 1 1/2"=1'-0"

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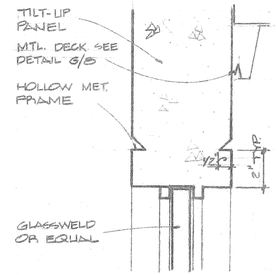

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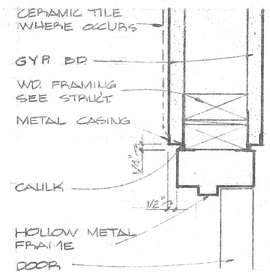

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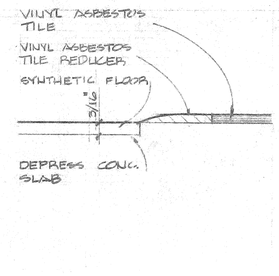
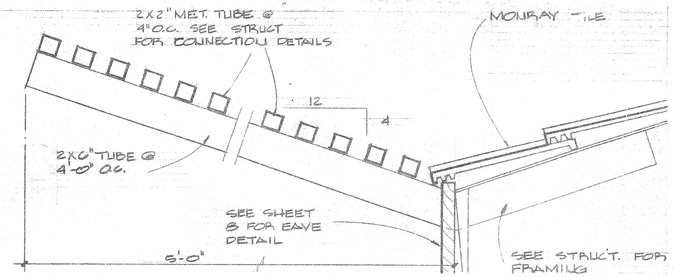


SCALE: FULL

B



SCALE: 1 1/2"=1'-0"

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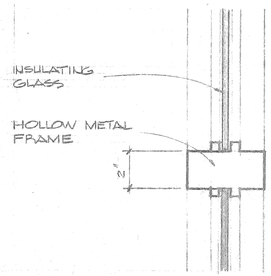

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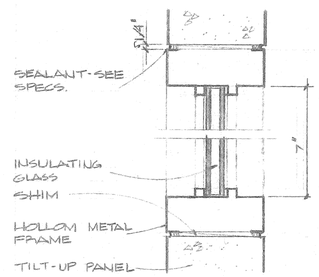

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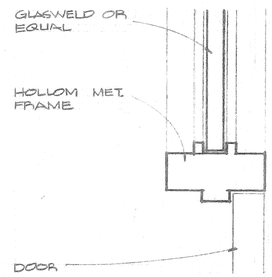

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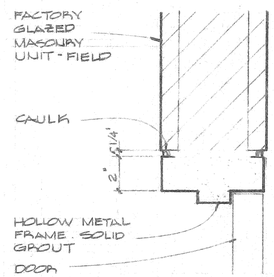

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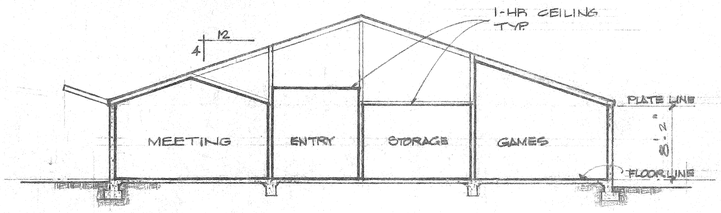
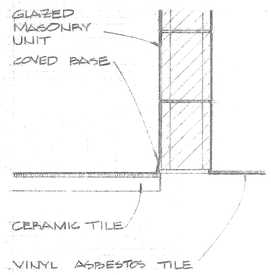


SECTION A BASIC BUILDING



SCALE: 1 1/2"=1'-0"

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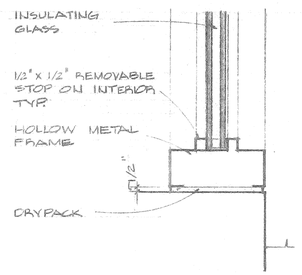

SCALE: 3"=1'-0"

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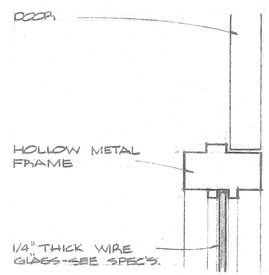
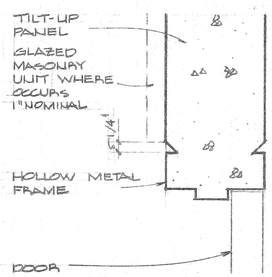


SCALE: 3"=1'-0"

M



SCALE: 3"=1'-0"

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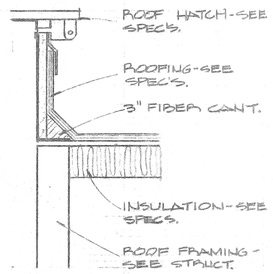

SCALE: 1 1/2"=1'-0"

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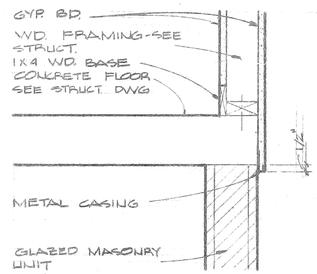

SCALE: 1 1/2"=1'-0"

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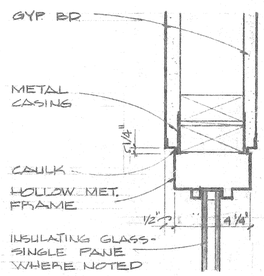

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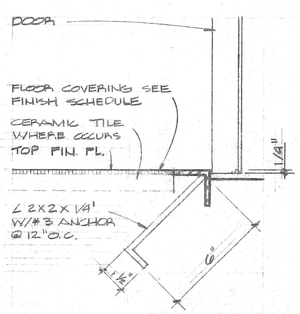
S



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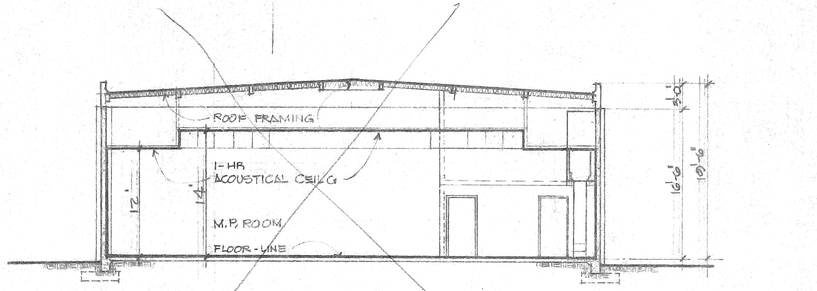
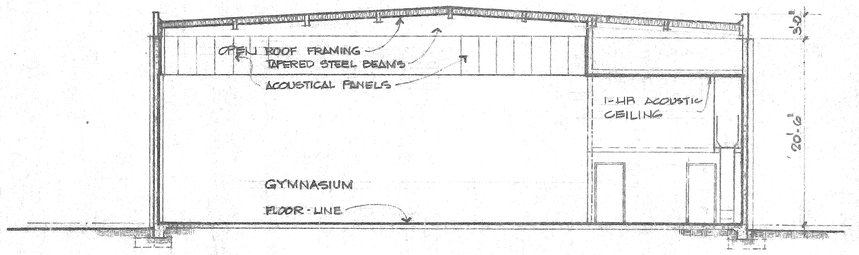


SECTION B MULTI-PURPOSE BUILDING

NOT A PART OF CONTRACT



SECTION C GYMNASIUM

SCALE: 1/8"=1'-0"

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
PHONE (714) 781-9764
A.I.A.

SECTIONS
DETAILS

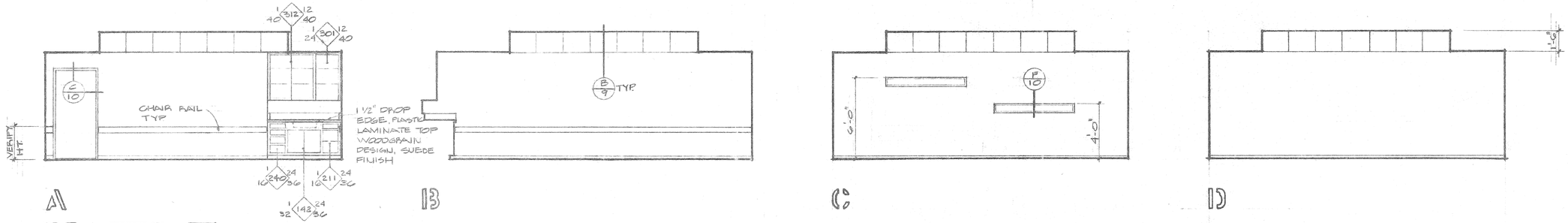
PROTOTYPE
COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30 1971
DRAWN MJM WJ
CHECKED EWB
REVISED APRIL 26, 1978
JOB: 76 P 02

10

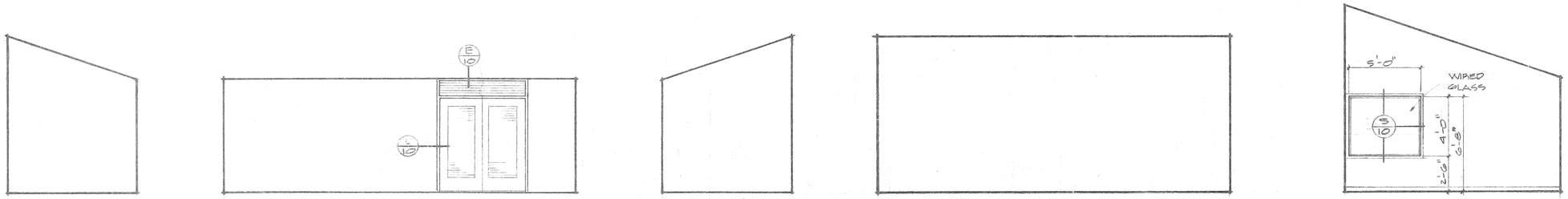
OF 15 SHEETS



A B C D

CRAFTS 1

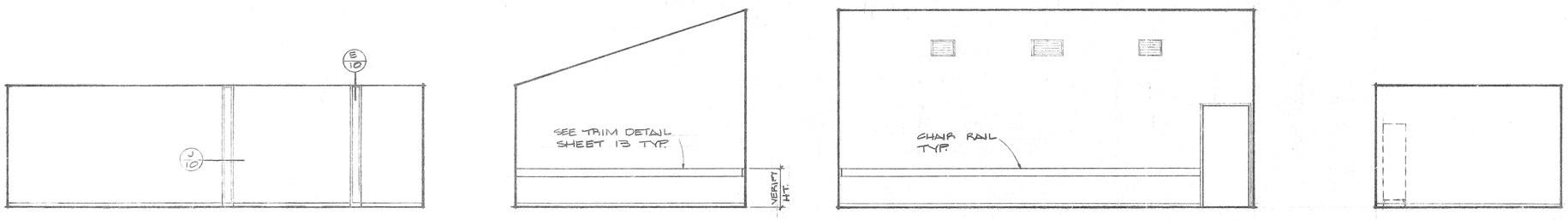
SCALE: 1/4"=1'-0"



E F G H J

MECH'L & ELECT'L 2

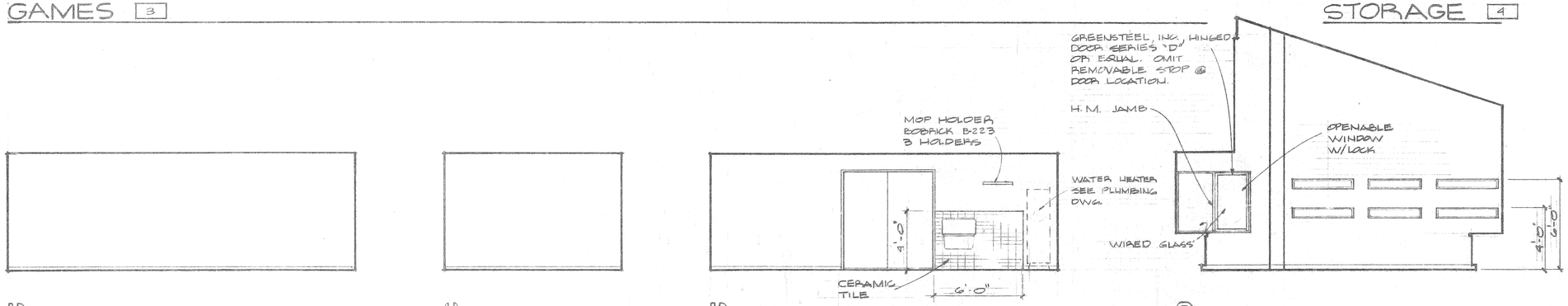
GAMES 3



K L M N

GAMES 3

STORAGE 4



P Q R S

STORAGE 4

OFFICE 5

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

INTERIOR ELEVATIONS

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT

DATE	NOV. 30, 1977
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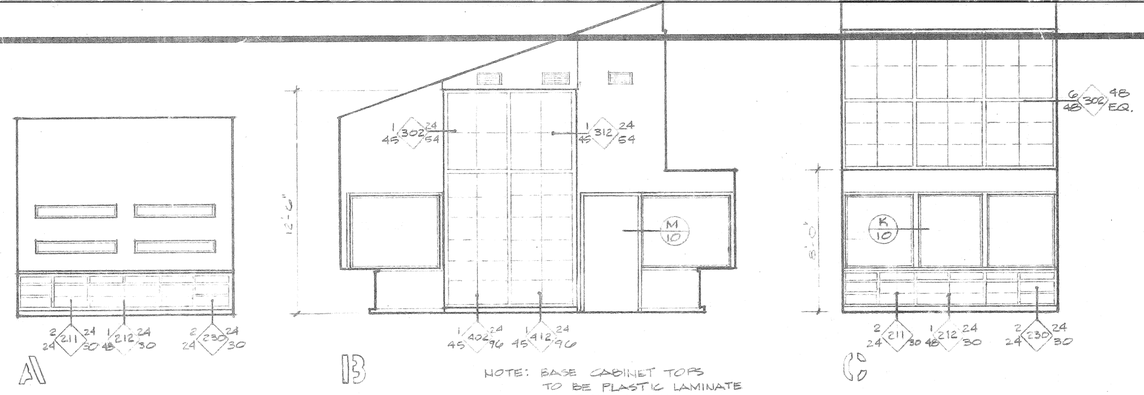
CHECKED	EWB
REVISED	APRIL 24, 1978
JOB	76201

II

OF 15 SHEETS

OF 38



OFFICE 5

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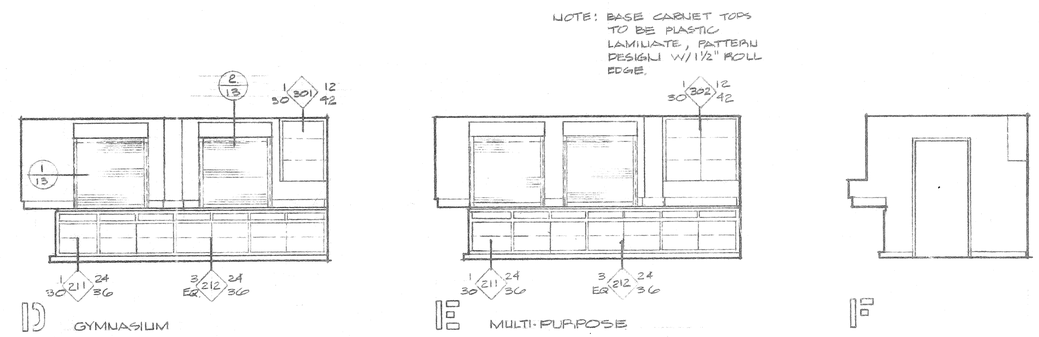

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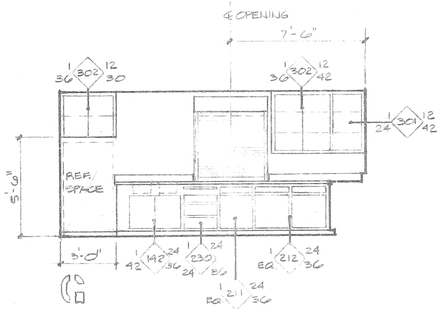

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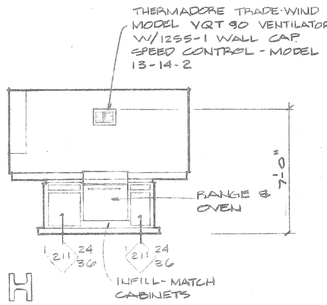
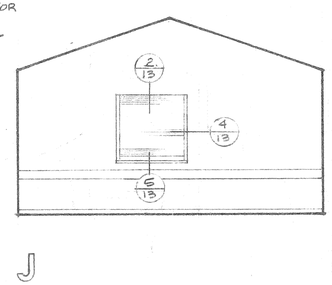
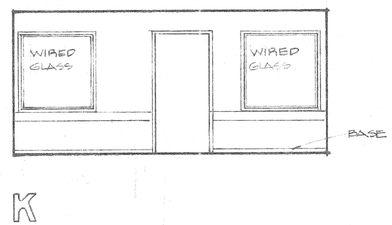
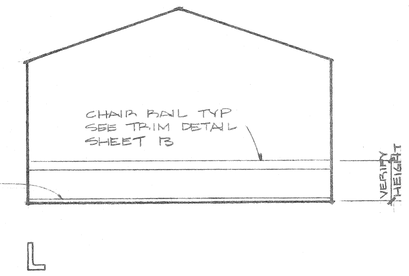




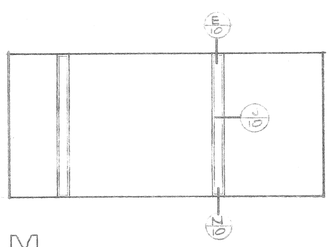




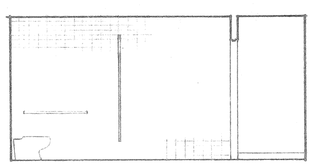
MEETING 7

KEY: W.I.C. DETAILS

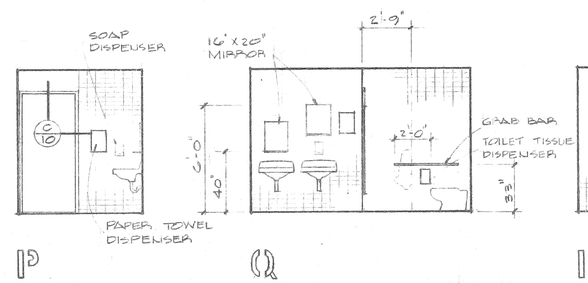
NO. OF UNITS — DEPTH OF UNIT — W.I.C. SERIES NO. — WIDTH OF UNIT — HEIGHT OF UNIT

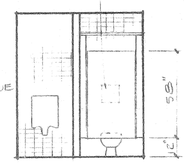


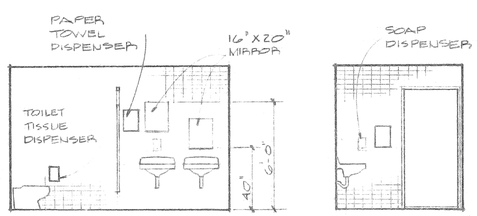
MEETING 7



MEN 8







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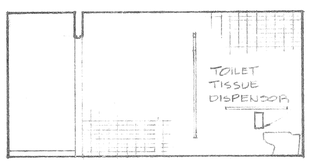

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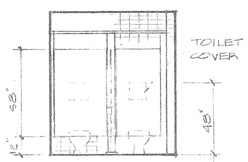
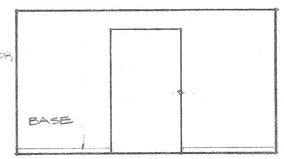
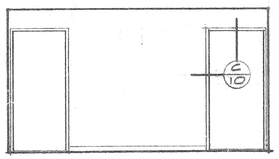
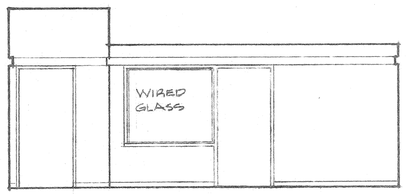




ALCOVE 10





ENTRY 11

TOILET ROOM ACCESSORIES

1. TOILET TISSUE HOLDER: BRADLEY #518 SINGLE FOLD - 22 GA. - STAINLESS STEEL
2. GRAB BARS: TUBULAR SPECIALTIES MFG. INC. MODEL H48M/CS41, TYPE 304 STAINLESS STEEL W/KNURLED FINISH
3. PAPER TOWEL HOLDERS: PUBLIC SERVICE SINGLE FOLD TOWELS, 22 GA. STEEL - CHROME FINISH, HINGE AT BOTTOM. CROWN ZELLERBACH 102
4. TOILET SEAT COVER DISPENSORS: CHROME PLATE OVER COPPER PLATE ON 22 GA. STEEL SURFACE MOUNT HALF-FOLD, COUSECO # 613-CHROME.
5. POWERED SOAP DISPENSORS - CHROME PLATE ON HVY. GA STEEL, 1 QUART CAPACITY DISPENSERS, FINEST TO COARSE POWERED SOAP, LOCK TOP WITH SPECIAL KEY, VANDALL PROOF, SURFACE MOUNTED, LUVOU CHROME.
6. MIRROR: CHARLES PARKER # 3210, STAINLESS STEEL, VANDALL PROOF SCREWS
7. SANITARY NAPKIN DISPOSAL - BRADLEY MODEL 472, MOUNTS IN TOILET PARTITION TO SERVE TWO COMPARTMENTS

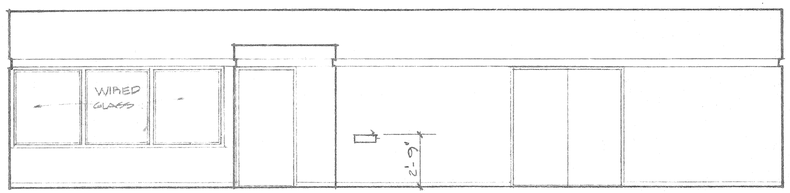
E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-5764
A.I.A.

INTERIOR ELEVATIONS

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE	NOV. 30, 1977
DRAWN	MM
CHECKED	EWB
REVISED	APRIL 26, 1978
JOB	76202



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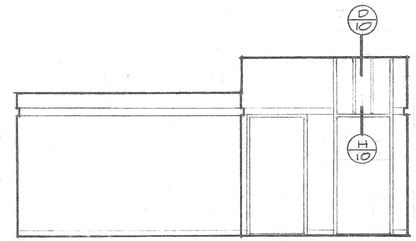

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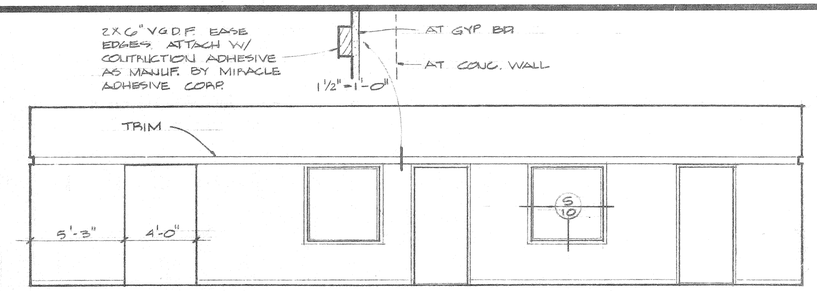
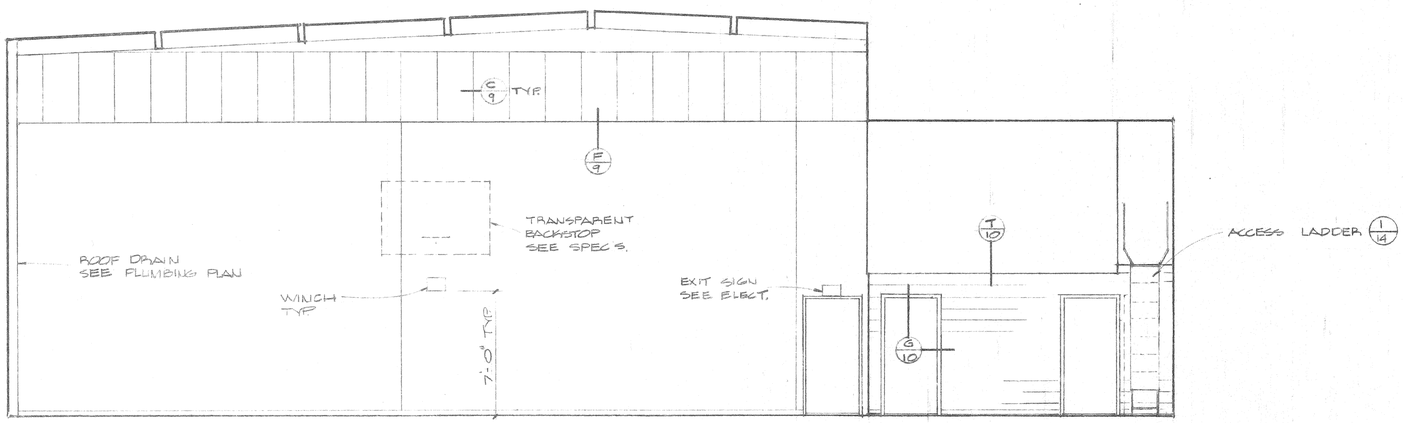


C

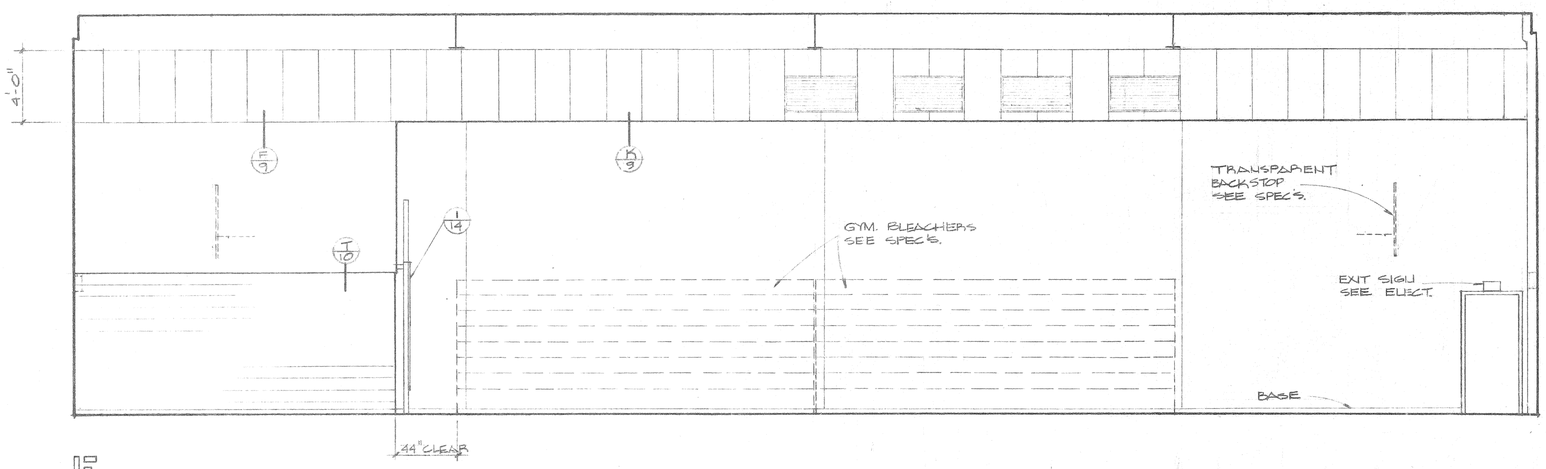
ENTRY 11

SCALE: 1/4"=1'-0"



D

GYMNASIUM 12



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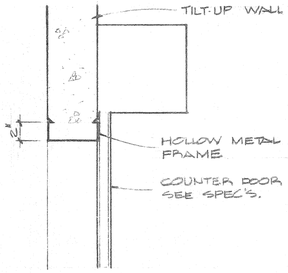
GYMNASIUM 12



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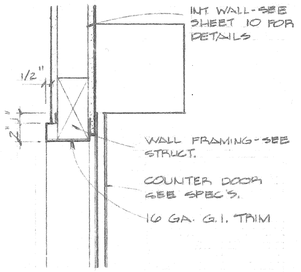

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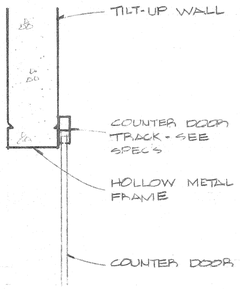

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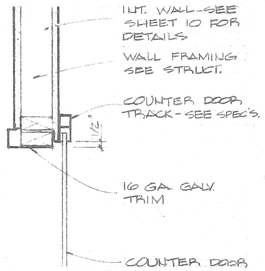

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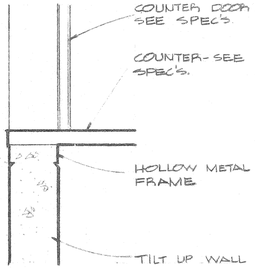

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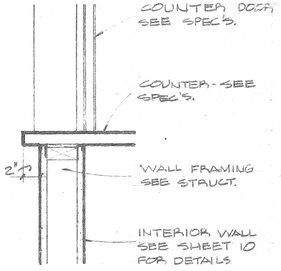

SCALE: 1½"=1'-0"

6

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
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A.I.A.

INTERIOR ELEVATIONS
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PROTOTYPE
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DATE	NOV. 30, 1977
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CHECKED	EW.B
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13

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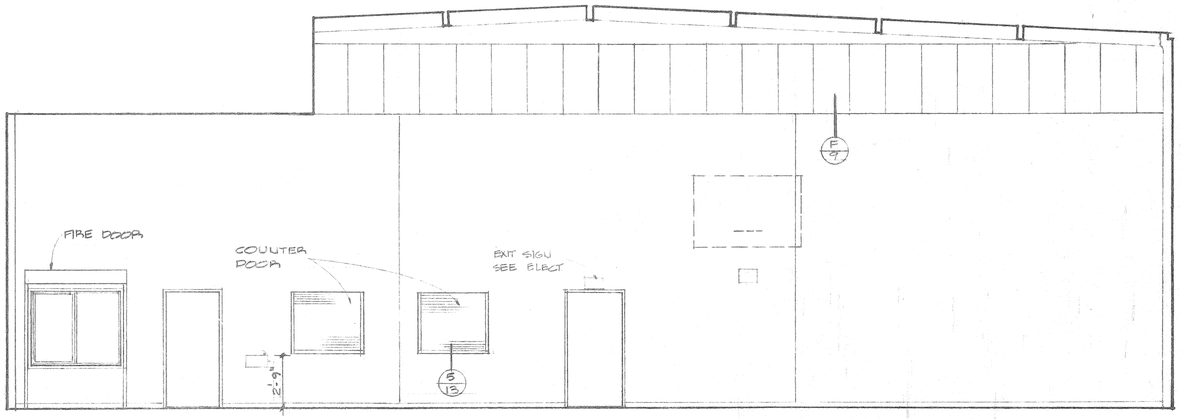
OF 38



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GYMNASIUM 12

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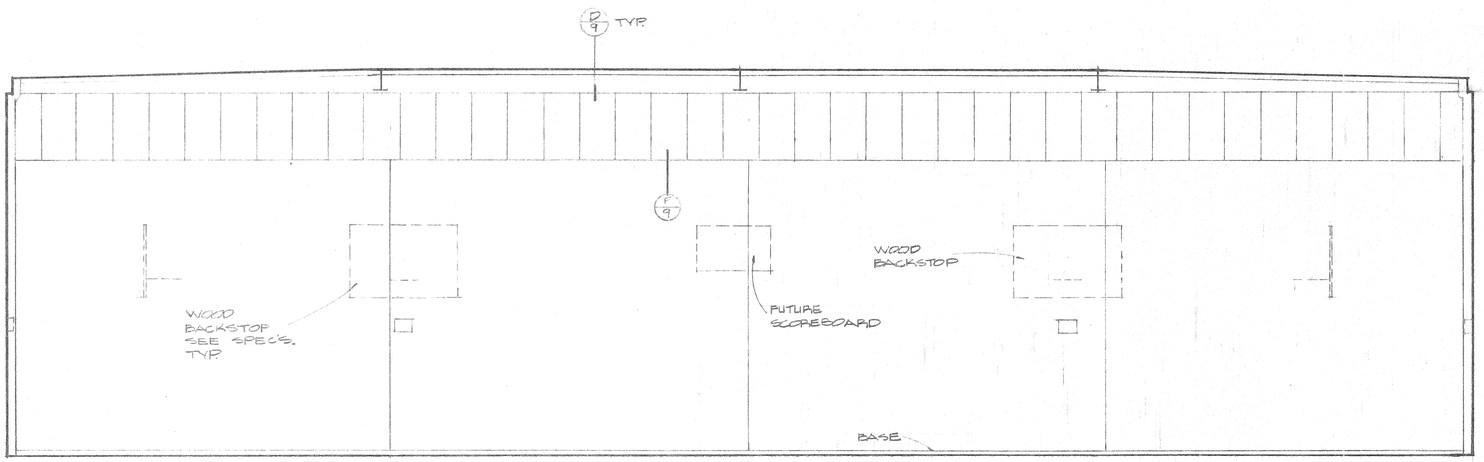

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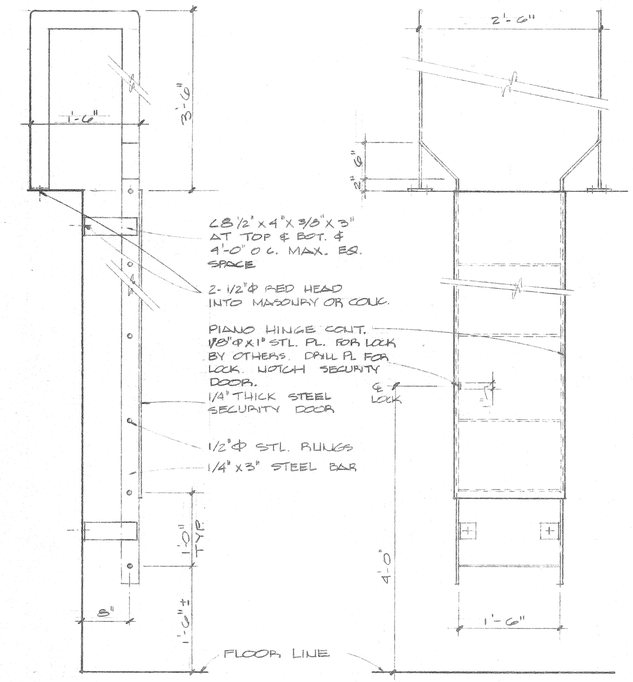

ACCESS LADDER

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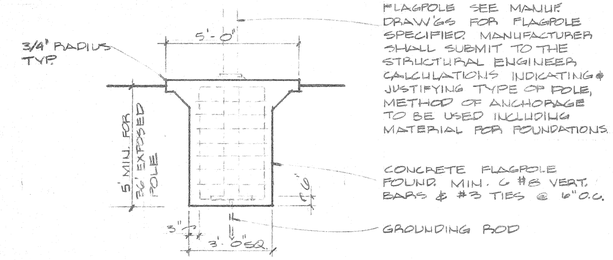

FLAG POLE

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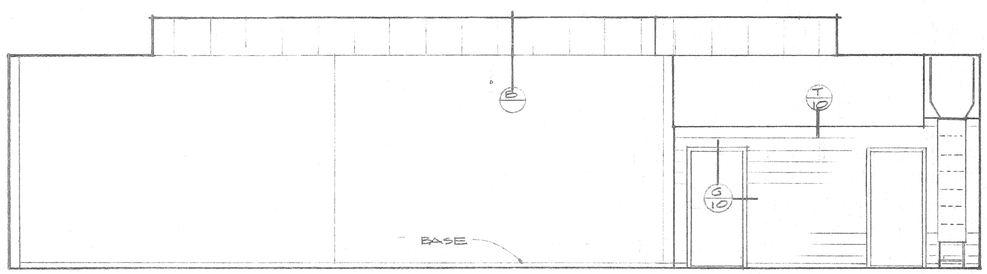
MULTI PURPOSE 12



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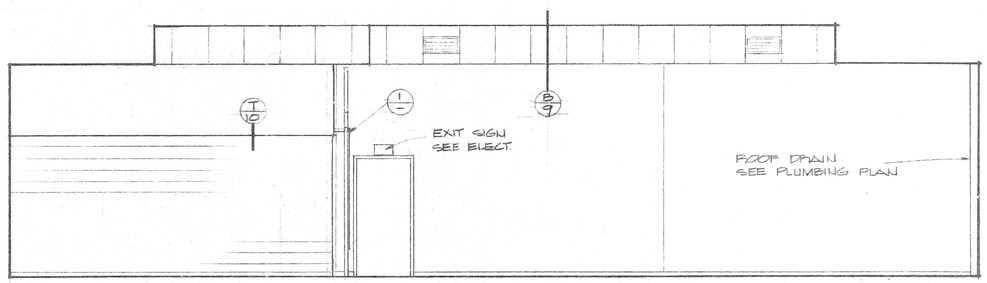

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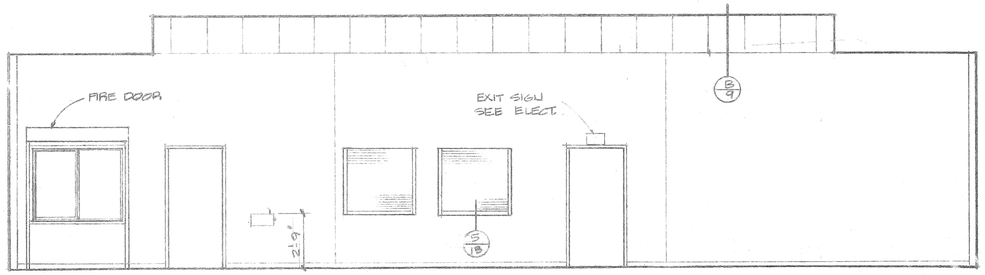
14

OF 15 SHEETS

OF 38



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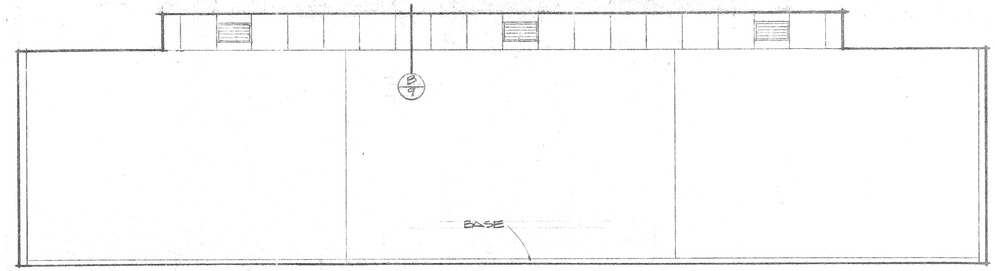

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MULTI PURPOSE 12

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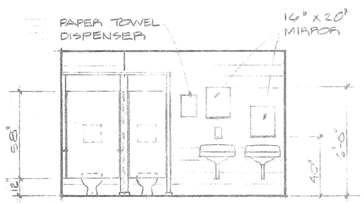

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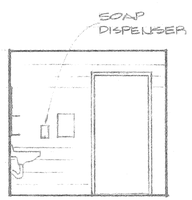

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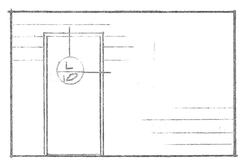

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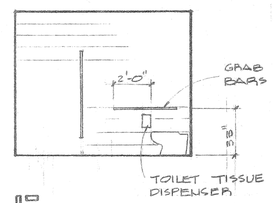

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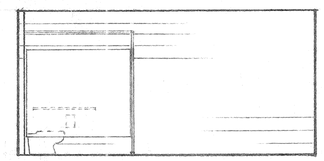

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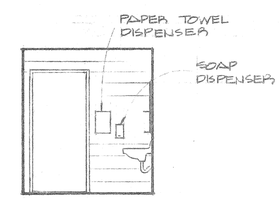

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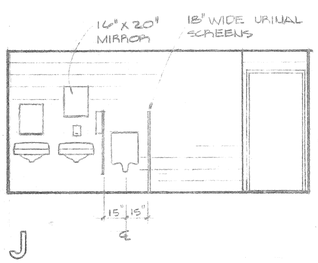
MEN 14



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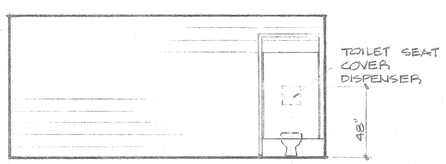
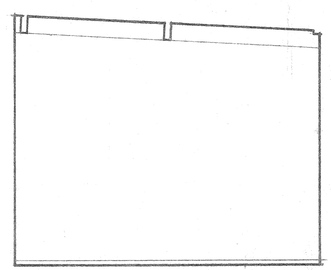


K

MEN 14



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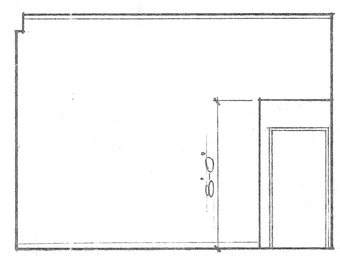

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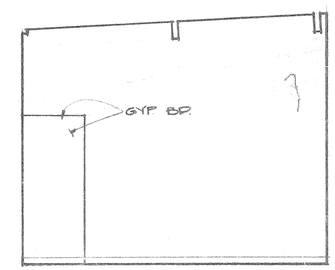

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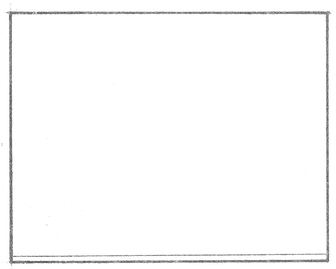
MECH. EQUIP. RM. 15 GYM SHOWN - MULTI PURPOSE SIMILAR



P

MECH. EQUIP. RM. 15

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

INTERIOR ELEVATIONS

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

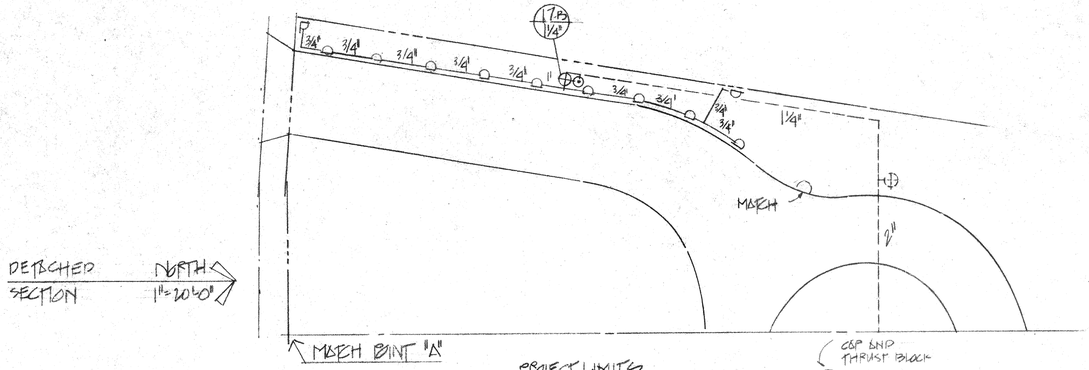
DATE NOV. 30, 1977
DRAWN MJM
CHECKED EWB
REVISED APRIL 24, 1978
JOB 76208

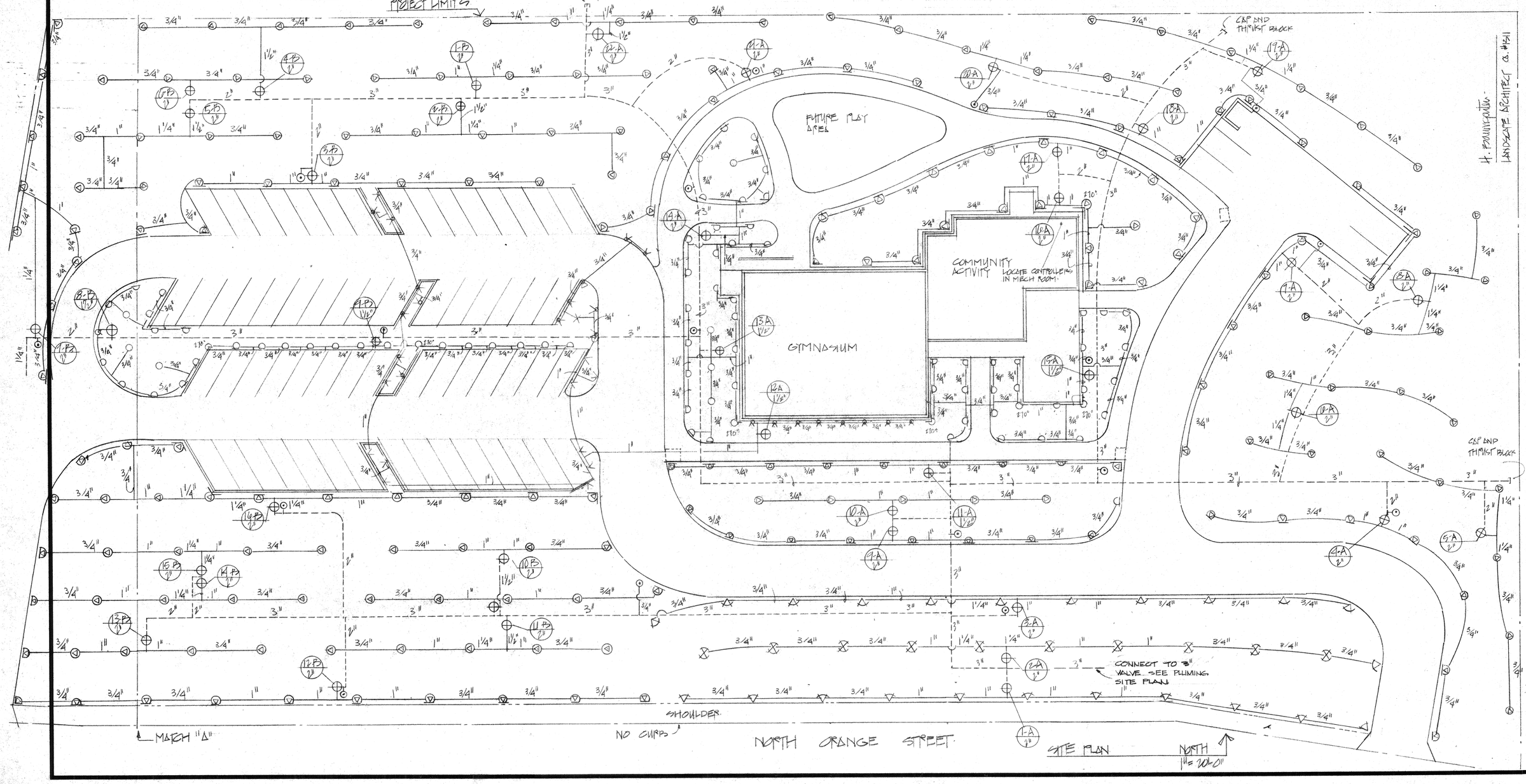
15

OF 15 SHEETS

SYM	IRRIGATION SYSTEM.
	STATIC PSI STREET 60-65 DESIGN 50 PSI
	GPM 40 PER VALVE AVERAGE
□	METER 2" BY OTHERS.
⋈	GATE VALVE 2"
Q	REDUCE PRESSURE BACKFLOW 2"
	CONTROLLERS 2 - 23 STATION ELECTRIC
⊕	CONTROL VALVES. ELECTRIC SIZE AS NOTED.
- - -	SUPPLY P.V.C.
——	LATERALS P.V.C.
⊙	QUICK COUPLERS.; HOSE BIBBS
	VALVE BOX. FOR CONTROL VALVES.
	PROVIDE ANTI-DRAIN DEVICE UNDER LOWEST HEAD IN LINE AS REQ'D.
	SEE SPECIFICATIONS FOR SLEEVES ACROSS ASPHALT PAVING.
	SEE SPECIFICATIONS FOR COMPLETE INFORMATION FOR LABOR & MATERIAL.

SYM	IRRIGATION SPRAY DESCRIPTION	SPACING	PSI	GPM	RADIUS	ARC
	POP-UP ROTOR SPRING	30' X 30'	35	6	R=38'	360°
	RETRACTION	30'	35	3	R=38'	180°
	"	30'	35	1.4	R=38'	90°
	POP-UP ROTOR	15' X 15'	35 MAX.	3.0	R=16'	360°
	"	15'	35	1.5	R=16'	180°
	"	15'	35	.7	R=16'	90°
	IMPACT (ABOVE GR.)	30'	40	3.1	R=34'	ADJ.
	ROTOR POP-UP (SPRING)	30'	35	5.0	R=38'	270°
	ROTOR POP-UP	15'	35	2.7	R=16'	270°
	POP-UP OR FIXED LAWN	11'	20	3.0	R=15'	360°
	"	11'	20	2.5	R=15'	180°
	"	11'	20	1.0	R=15'	90°
	"	11'	20	2.7	R=15'	270°





H. POMMERGARTEN
LANDSCAPE ARCHITECT C. #1521

HOWARD POMMERGARTEN
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIF. 91711
714 624-1924

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

REID PARK IRRIGATION PLAN

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT.

DATE NOV. 30 1977
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CHECKED
REVISED APRIL 26, 1978
JOB 76202

I-1

OF 4 SHEETS

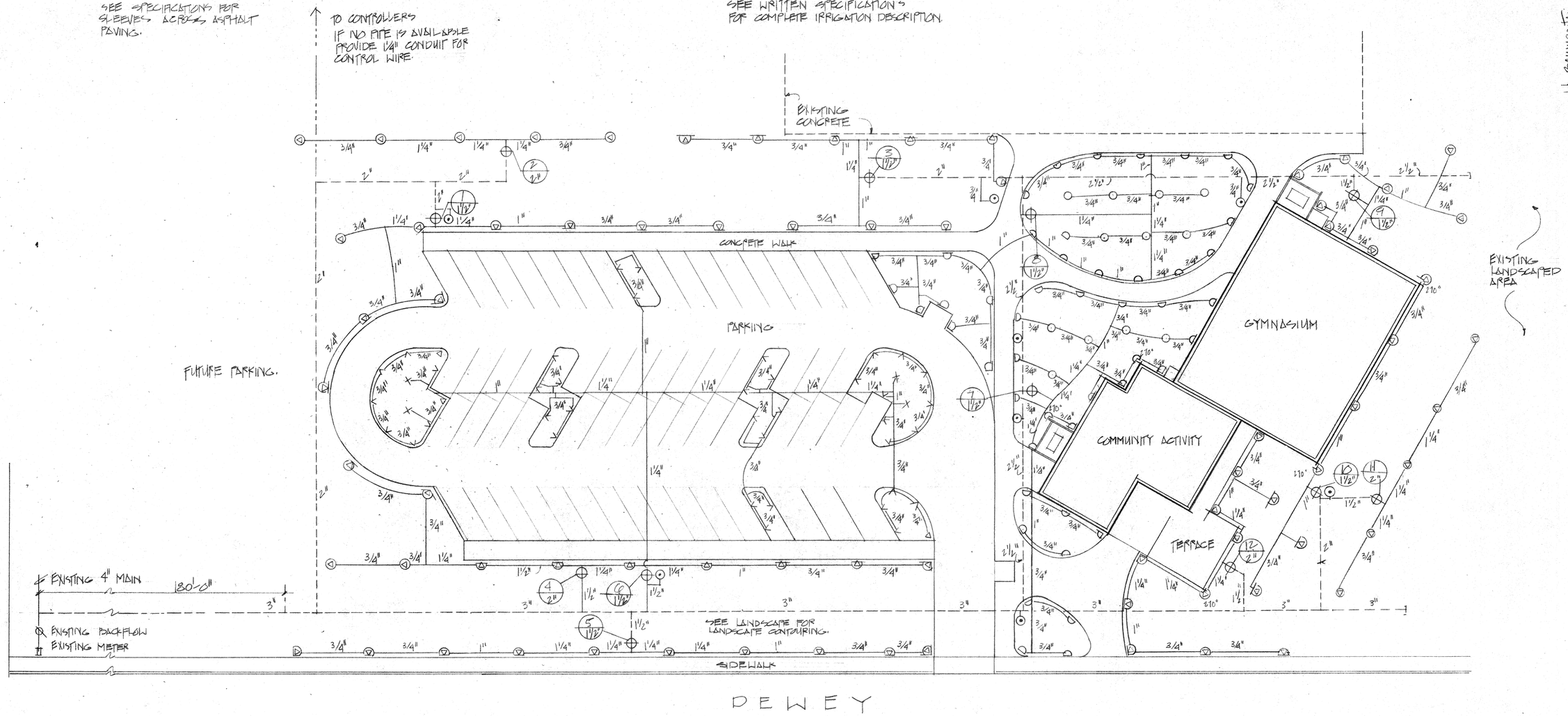
OF 38

	IRRIGATION
	STATIC PSI 90# AT STREET
	DESIGN PSI 80#
	DESIGN GPM 50
	METER EXISTING
	REDUCED BACKFLOW EXISTING
	ELECTRIC CONTROLLERS EXISTING. LOCATION VERIFY ON SITE
	NEW
⋈	GATE VALVE
----	SUPPLY PIPE LINE
——	LATERALS.
⊕	CONTROL VALVES ELECTRIC. SIZE AS NOTED ON PLANS.
⊙	QUICK-COUPLER; HOSE BIBB.

SEE SPECIFICATIONS FOR SLEEVES ACROSS ASPHALT PAVING.

	IRRIGATION SPRAY						
SYM	DESCRIPTION	SPACING	P.S.I.	G.P.M.	RADIUS	ARC	TYPE
⊙	POP-UP SPRING RETRACTION	30' X 40'	40	6.0	39'	360°	LAWN
⊙	POP-UP SPRING RETRACTION	30' X 40'	40	3.0	39'	180°	LAWN
⊙	POP-UP SPRING RETRACTION	30' X 40'	40	1.4	39'	90°	LAWN
○	POP-UP ROTOR	15' X 16'	35	3.0	16'	360°	LAWN
⌓	POP-UP ROTOR	15' X 16'	35	1.4	16'	180°	LAWN
D	POP-UP ROTOR	15' X 16'	35	1.3	16'	90°	LAWN
X	FIXED OR POP-UP	11'	20	4.0	12.0	360°	SHRUB
V	FIXED OR POP-UP	11'	20	2.0	12.0	180°	SHRUB
▷	FIXED OR POP-UP	11'	20	1.3	12.0	90°	SHRUB
⊕	POP-UP SPRING RETRACTION	30'	40	5.0	39'	270°	LAWN
⊕	POP-UP ROTOR	15'	35'	2.7	16'	270	LAWN

SEE WRITTEN SPECIFICATIONS FOR COMPLETE IRRIGATION DESCRIPTION.



SITE PLAN NORTH
1" = 20'-0"

H. Baumgarten
L.A. #1311

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

HOWARD BAUMGARTEN
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIFORNIA 91711
714 624-1784

NICHOLS PARK
IRRIGATION PLAN

PROTOTYPE
COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
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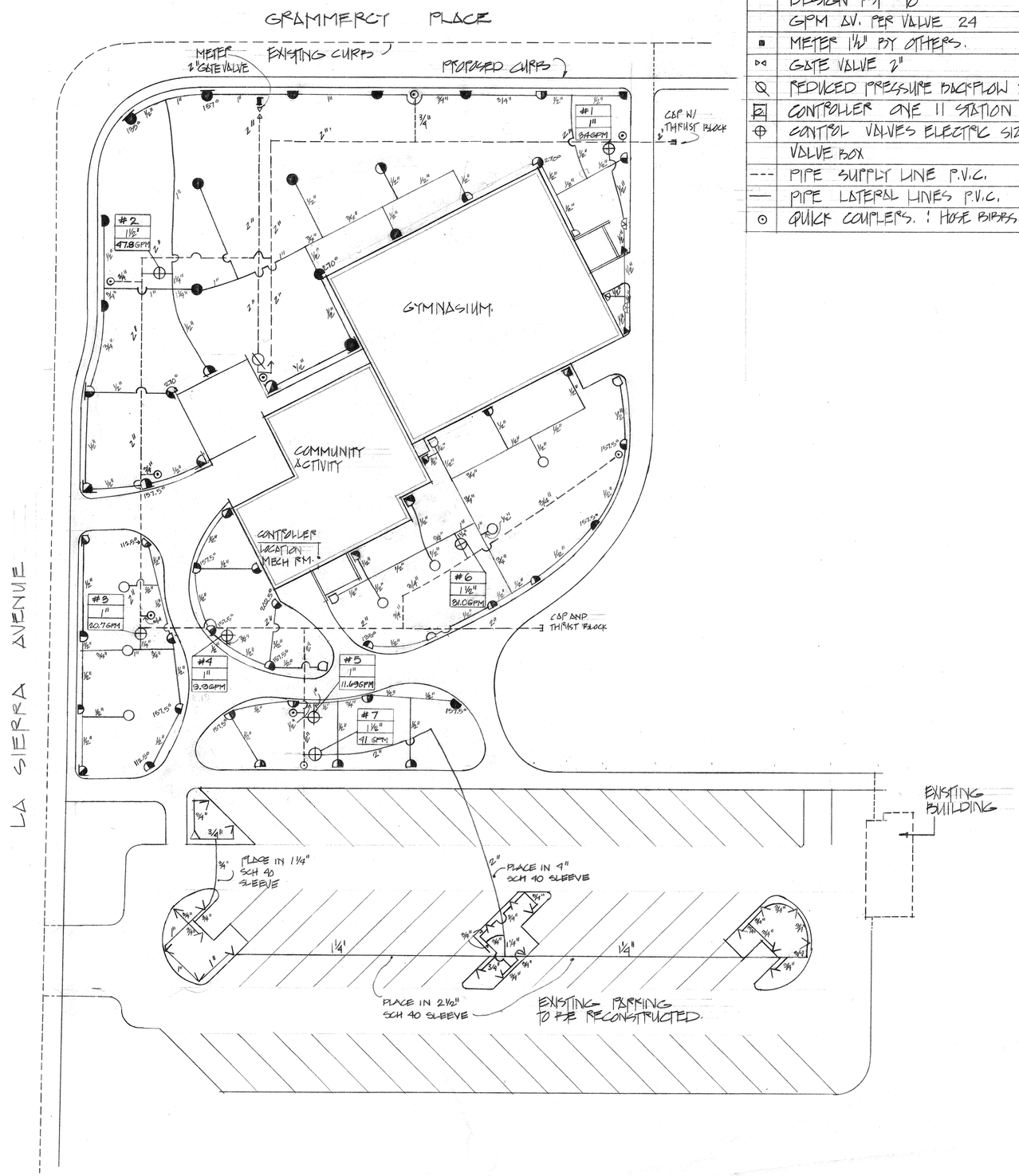
CHECKED
REVISED APRIL 26, 1978
JOB 76202

I-2

OF 4 SHEETS

OF 38



SYM	IRRIGATION
	STATIC PSI MAX. 122 lb.
	DESIGN PSI 90
	GPM AV. PER VALVE 24
	METER 1½" BY OTHERS.
	GATE VALVE 2"
	REDUCED PRESSURE BACKFLOW 2"
	CONTROLLER ONE 11 STATION ELECTRIC.
	CONTROL VALVES ELECTRIC SIZE AS NOTED.
	VALVE BOX
---	PIPE SUPPLY LINE P.V.C.
—	PIPE LATERAL LINES P.V.C.
⊙	QUICK COUPLERS. & HOSE BIBBS.

SYM	IRRIGATION SPRAY				
	DESCRIPTION	PSI	GPM	RADIUS	ARC.
	303-00-01 STREAM ROTOR POP	50	3.41	18	360°
	302-00-01 " " "	50	1.67	18	180°
	304-00-01 " " "	50	.89	18	90°
	316-00-02 " " "	50	3.41	24	360°
	302-00-02 " " "	50	1.67	24	180°
	304-00-02 " " "	50	.89	24	90°
	316-00-03 " " "	50	3.23	30	360°
	302-00-03 " " "	50	1.66	30	180°
	304-00-03 " " "	50	.76	30	90°
	312-00-02 " " "	50	2.22	24	270°
	312-00-03 " " "	50	2.31	30	270°
	570P-10'-HLA POP SPRAY HEAD	20	.9	10	180°
	570P-10'-QLA " " "	20	.4	10	90°
	570P-9'-EST " " "	30	.6	4 x 15	STRIP
	5705-15'-H SHRUB HEAD	30	2.0	15	
	5705-15'-Q " "	30	1.0	15	

SITE PLAN

NORTH

1" = 20'-0"

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
TELE. (714) 781-9764
A.I.A.

HOWARD PAUMGARTEN, AILA
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIFORNIA
714 626-1184

H. PAUMGARTEN #1511
LANDSCAPE ARCHITECT

LA SIERRA PARK
IRRIGATION PLAN

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE	NOV. 30, 1977
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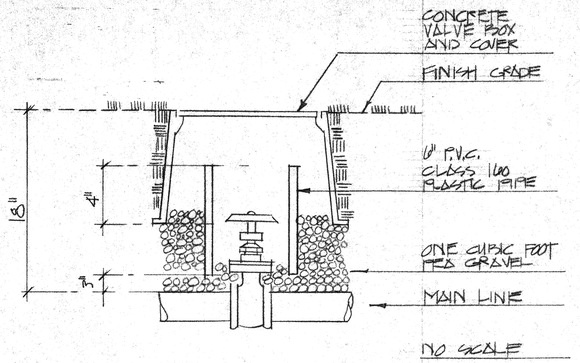
CHECKED	
REVISED	APRIL 26, 1978
JOB	76202

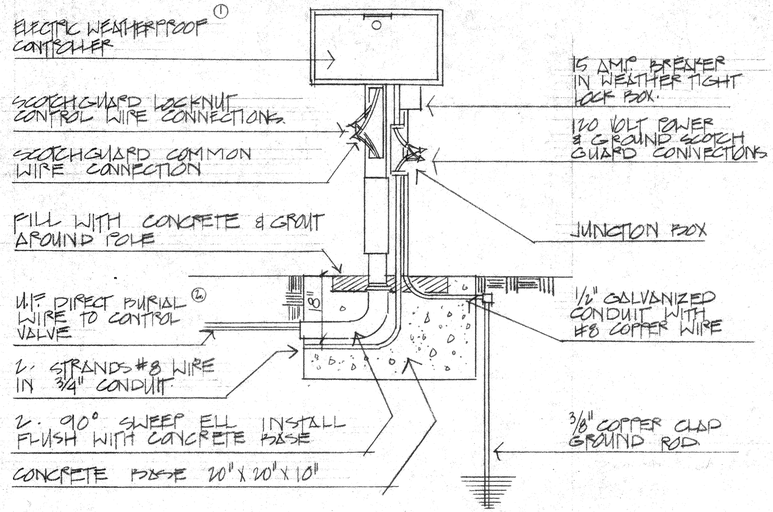
I-3

OF 4 SHEETS

SECOND REVISION JAN. 5, 1978 BY HELEN HAKE

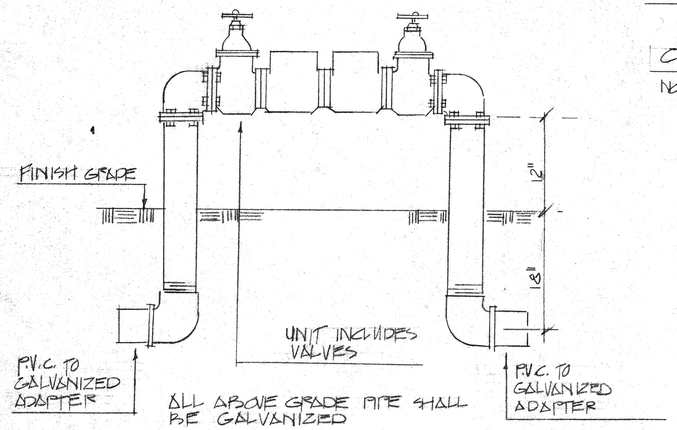


GATE VALVE (1)

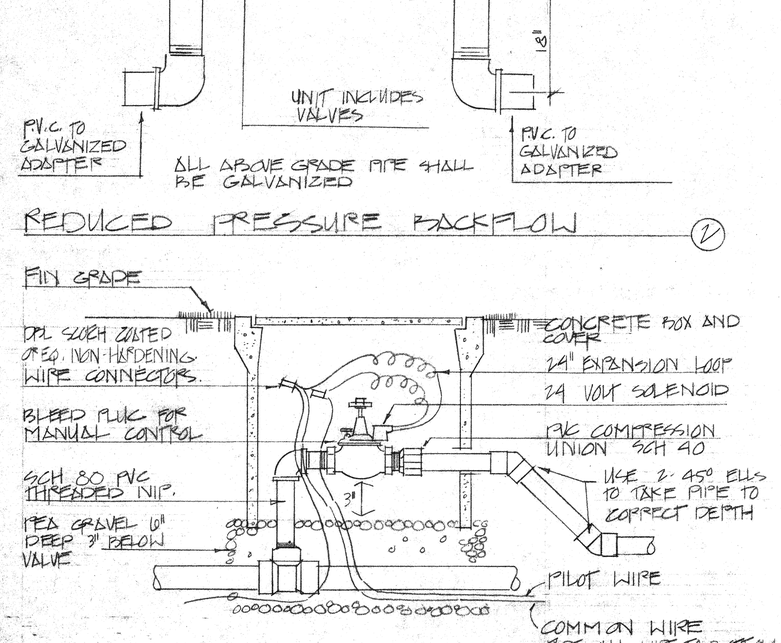


CONTROLLER DETAIL. (4)

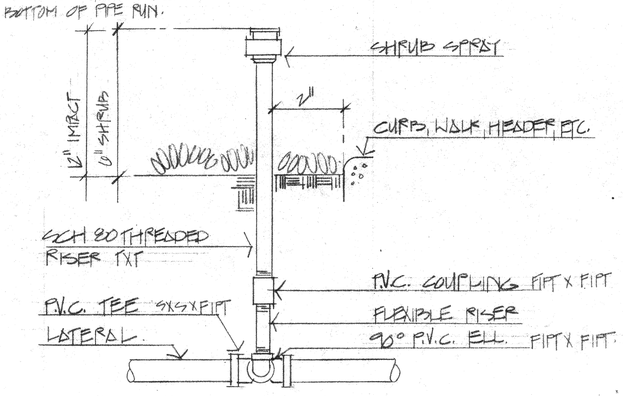
NOTES:
1. CONTROLLER AT REID AND LA SIERRA PARK TO BE LOCATED IN MECH RM. NICHOLS PARK NO CONTROLLER REQ'D.
2. TAPE WIRE TO BOTTOM OF PIPE RUN.



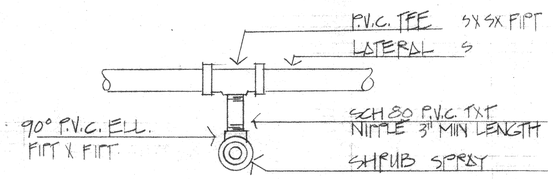
REDUCED PRESSURE BACKFLOW (2)



REMOTE CONTROL VALVE (3)
WITH CONCRETE VALVE BOX.

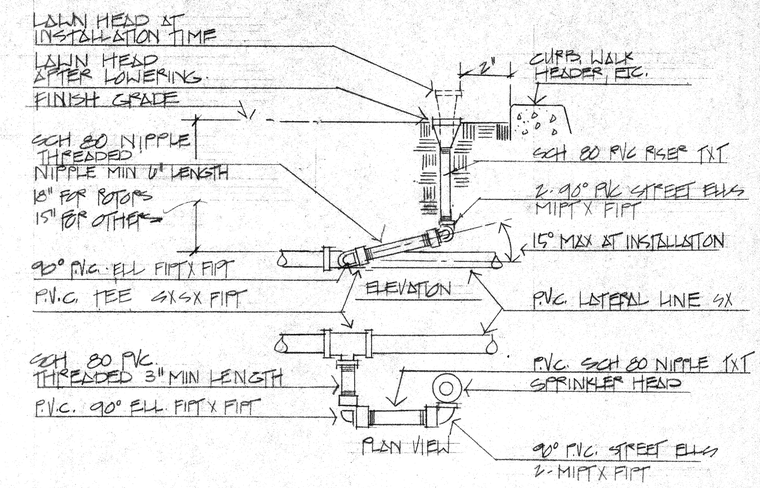


ELEVATION

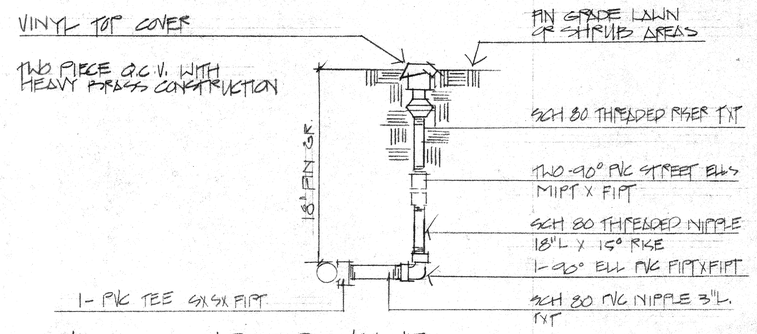


PLAN VIEW

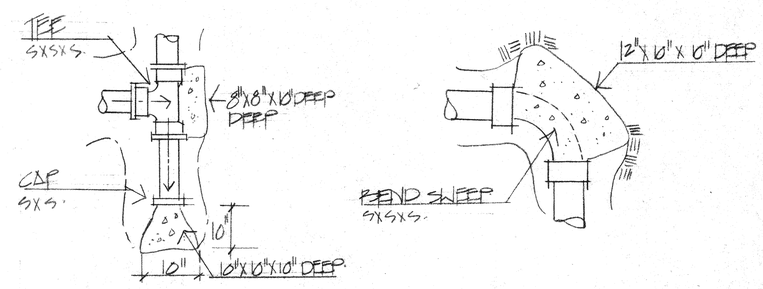
SHRUB SPRAY HEAD DETAIL (5)



TYPICAL TURF HEAD. (6)



QUICK COUPLER VALVE (7)
FOR COMPLETE TRIPLE SWING JOINT ASSEMBLY SEE NO. 6 ABOVE



CONCRETE THRUST BLOCK (8)

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

HOWARD PAULI GARTEN, A.I.A.
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIFORNIA 91711
714 624-1784

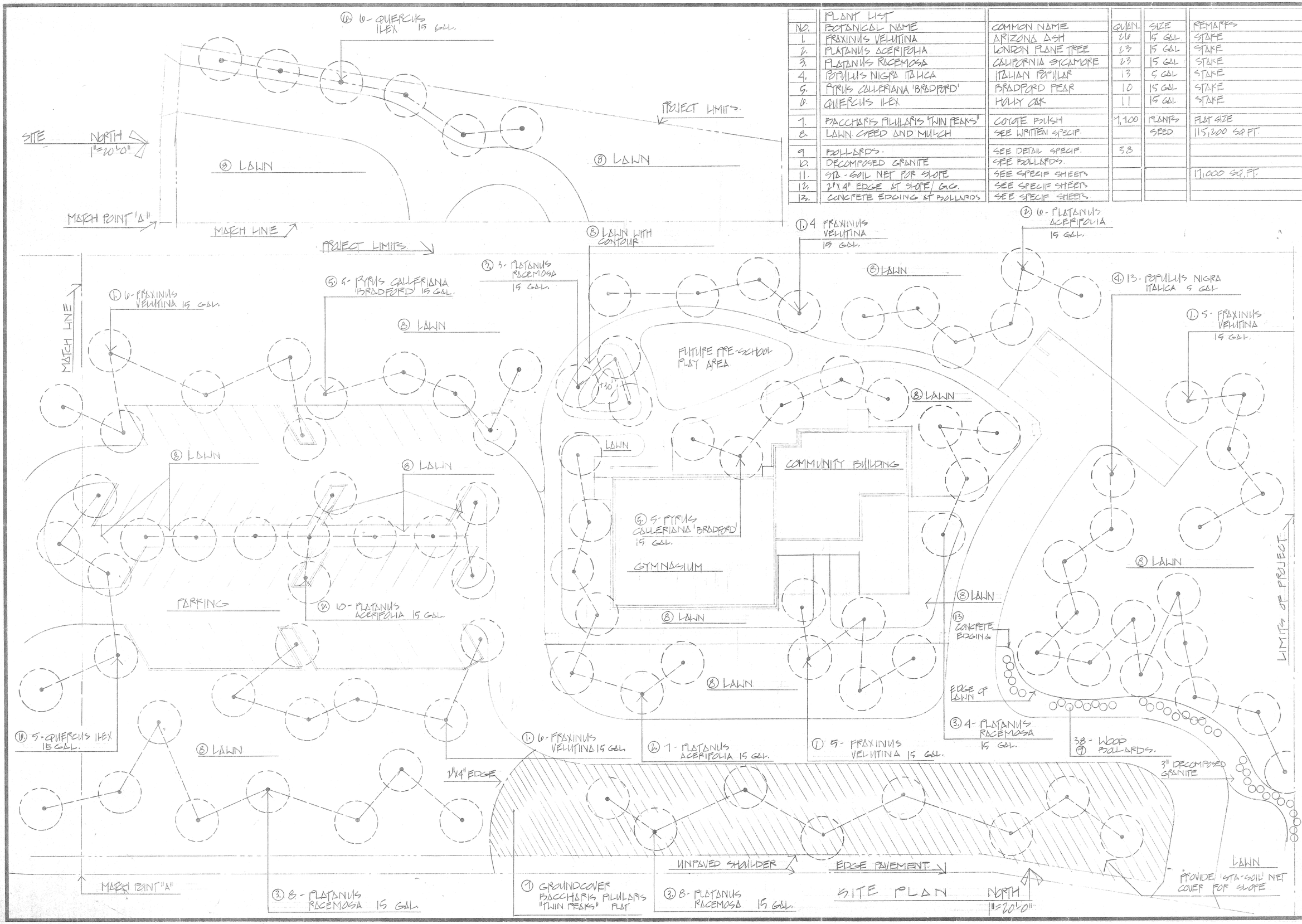
IRRIGATION DETAILS.

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
DRAWN
CHECKED
REVISED APRIL 26, 1978
JOB 76202

I-4
OF 4 SHEETS

	PLANT LIST				
NO.	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	REMARKS
1.	FRAXINUS VELUTINA	ARIZONA ASH	26	15 GAL	STAKE
2.	PLATANUS ACERIFOLIA	LONDON PLANE TREE	23	15 GAL	STAKE
3.	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	23	15 GAL	STAKE
4.	POPULUS NIGRA ITALICA	ITALIAN POPULAR	13	5 GAL	STAKE
5.	PYRUS CALLERIANA 'BRADFORD'	BRADFORD PEAR	10	15 GAL	STAKE
6.	QUERCUS ILEX	HOLLY OAK	11	15 GAL	STAKE
7.	BACCHARIS PILULARIS "TWIN PEAKS"	COYOTE BUSH	1,100	PLANTS	FLAT SIZE
8.	LAWN GRASS AND MULCH	SEE WRITTEN SPECIF.		SEED	115,200 SQ FT.
9	BOLLARDS.	SEE DETAIL SPECIF.	38		
10.	DECOMPOSED GRANITE	SEE BOLLARDS.			
11.	STA - SOIL NET FOR SLOPE	SEE SPECIF SHEETS			17,000 SQ.FT.
12.	2"X4" EDGE AT SLOPE/ G.C.	SEE SPECIF SHEETS			
13.	CONCRETE EDGING AT BOLLARDS	SEE SPECIF SHEETS			



E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

HOWARD BAUMGARTEN
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIF. 91711
714 624-1394

REID PARK
PLANTING PLAN

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT

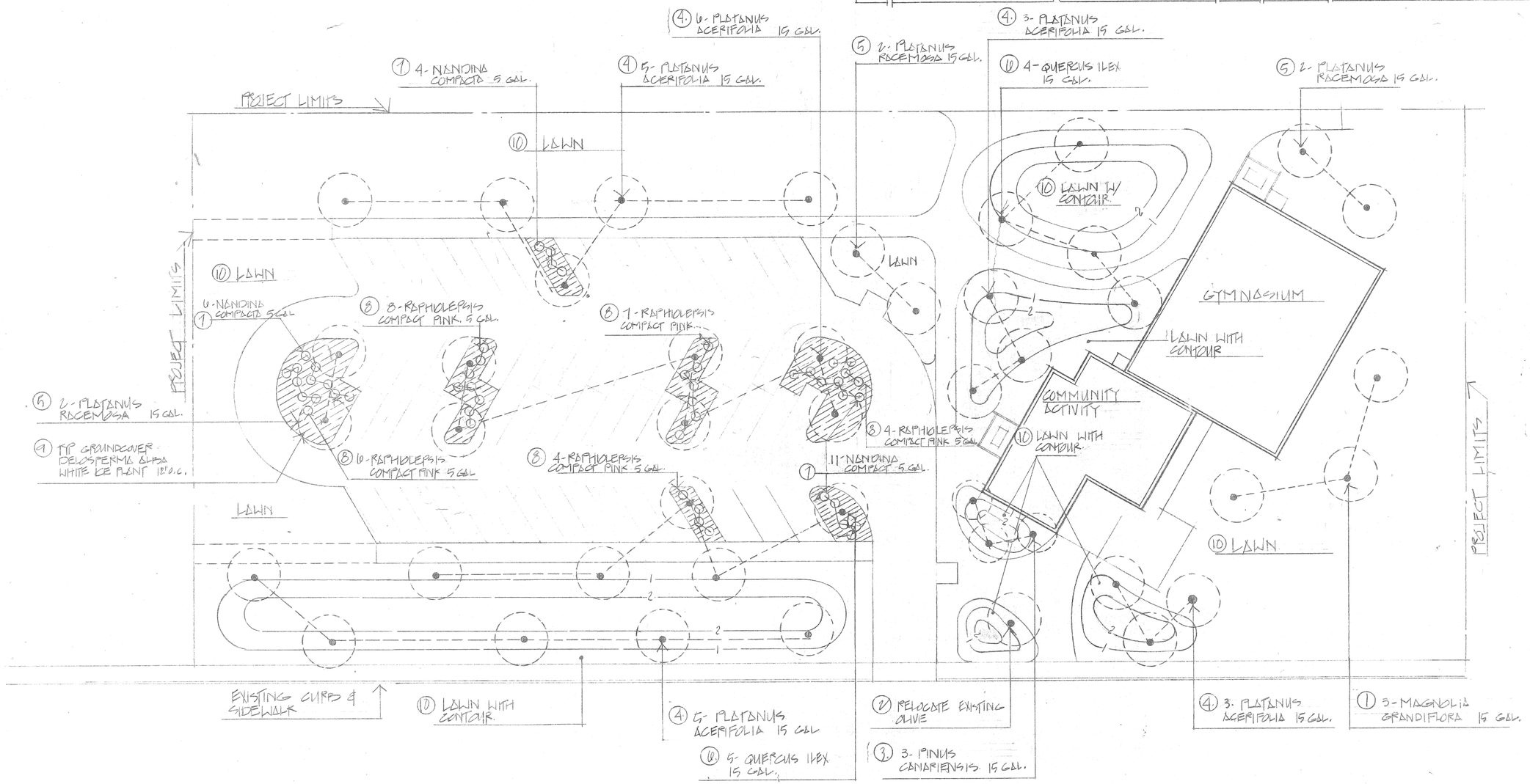
DATE NOV. 30, 1977
DRAWN
CHECKED
REVISED APRIL 26, 1978
JOB 76202

L-1

OF 3 SHEETS

OF 38

	PLANTING LIST				
	BOTANICAL NAME	COMMON NAME	QUAN	SIZE	REMARKS
NO.	TREES				
1.	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	3	15 GAL	STAKE
2.	OLEA EUROPEA	OLIVE	1	EXISTING	STAKE : TO BE RELOCATED
3.	PINUS CANARIENSIS	CANARY ISLAND PINE	3	15 GAL	STAKE
4.	PLATANUS ACERIFOLIA	LONDON PLANE	22	15 GAL	STAKE
5	PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	6	15 GAL	STAKE
6.	QUERCUS ILEX	HOLLY OAK	9	15 GAL	STAKE
	SHRUBS				
7.	NANDINA D. COMPACTA	COMPACT NANDINA	21	5 GAL	
8.	RAPHIOLEPIS INDICA	"COMPACT ROSE PINK"	29	5 GAL	
	GROUNDCOVER				
9.	DELOSPERMA ALPA	WHITE ICE PLANT	3,234	PLANTS	12" O.C./ FLAT
10.	LAWN	SEED AND MULCH			52,233 SQ FT
	SOIL FOR CONTOURS.		100	CU. YDS.	



SITE PLAN

1" = 20'-0"

H. Baumgarten L.A. 1811

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
TELE. (714) 781-9764
A.I.A.

HAWARD BAUMGARTEN, A.I.A.
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIFORNIA 91711
714 624-1184

NICHOLS PARK
PLANTING PLAN

PROTOTYPE
COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
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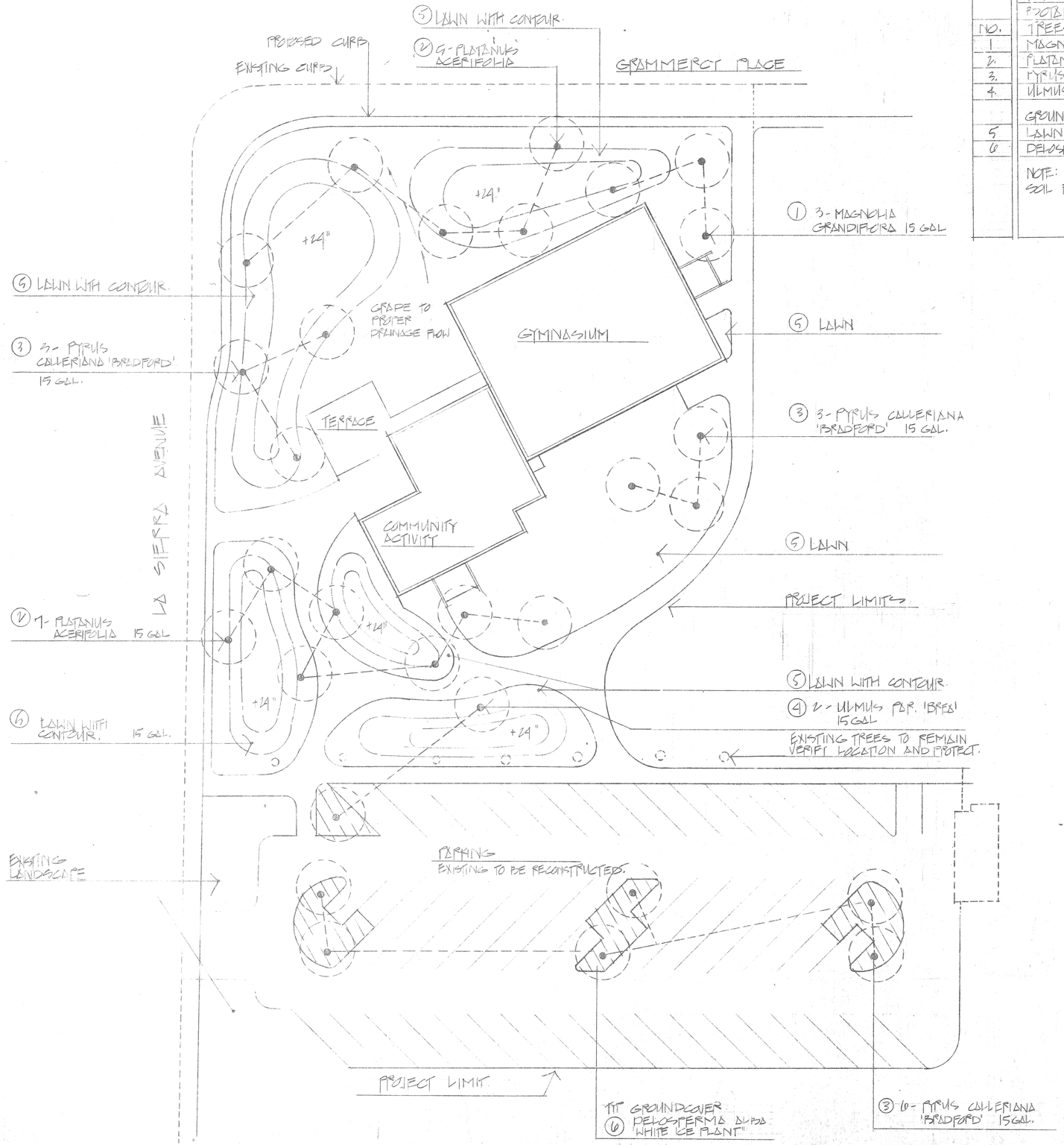
L-2

OF 2 SHEETS



	PLANTING LIST				
	BOTANICAL NAME	COMMON NAME	QUAN	SIZE	
NO.	TREES.				
1	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	3	15 GAL	STAKE
2.	PLATANUS ACERIFOLIA	LONDON PLANE	12	15 GAL	STAKE
3.	PYRUS CALLERIANA 'BRADFORD'	BRADFORD PEAR	12	15 GAL	STAKE
4.	ULMUS PARVIFOLIA 'BREA	BREA EVERGREEN ELM	2	15 GAL	STAKE
	GROUNDCOVER				
5	LAWN SEED AND MULCH	SEE WRITTEN SPECIF		SEED.	26,500 SQ.FT.
6	DELOSPERMA ALBA	WHITE ICE PLANT	1,700	PLANTS	12" SPACING/FLAT
	NOTE: SOIL FOR CONTOURING.		580	CU.YD.	

SITE PLAN

NORTH

1" = 20'-0"

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

H. Baumgarten L.A. 1911

HOWARD BAUMGARTEN, AILA
LANDSCAPE ARCHITECT
332 STANFORD DRIVE
CLAREMONT, CALIFORNIA
714 624-1784

LA SIERRA PARK
PLANTING PLAN

PROTOTYPE
COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
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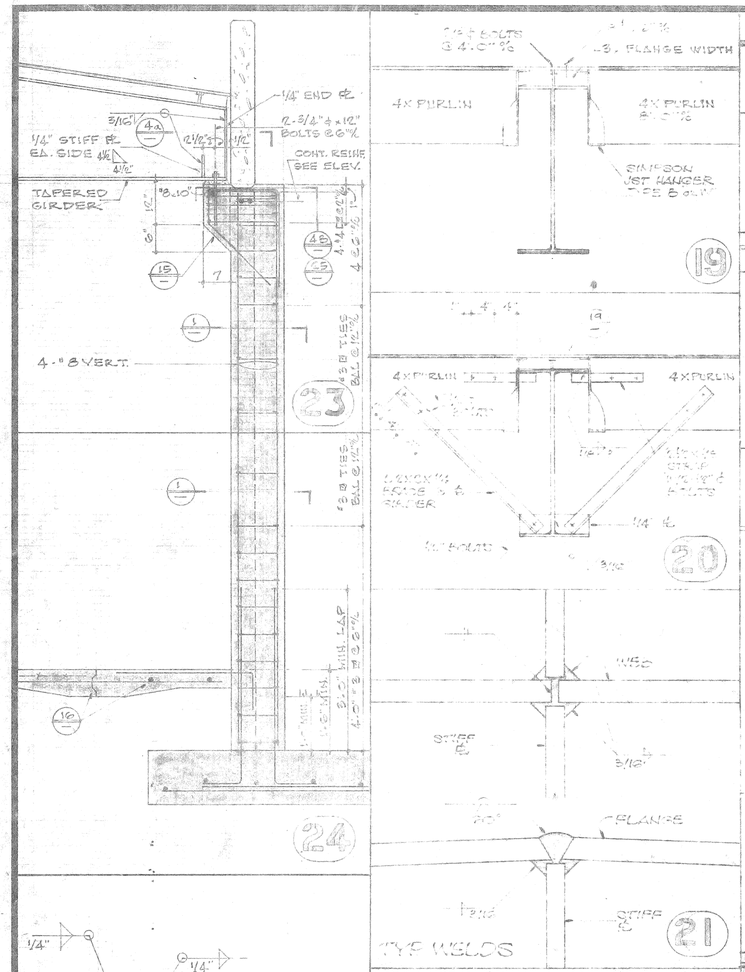
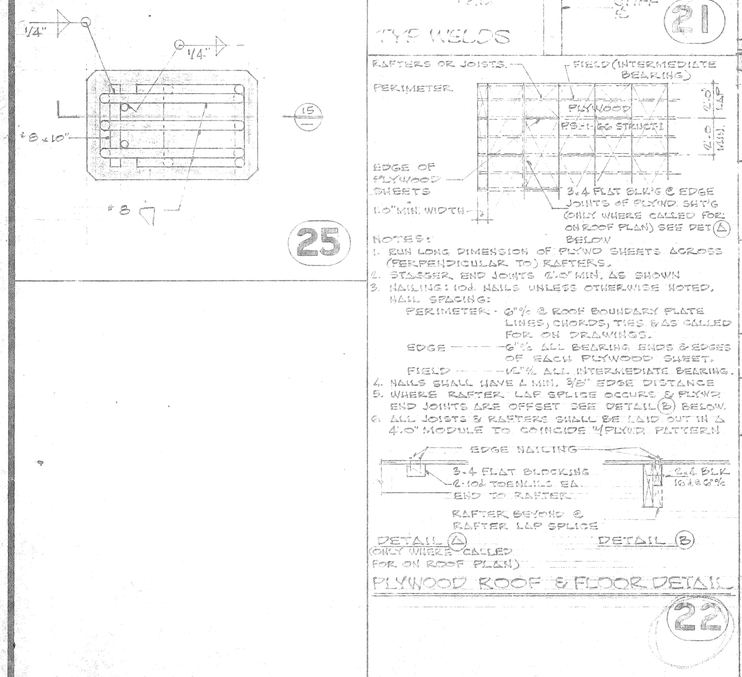
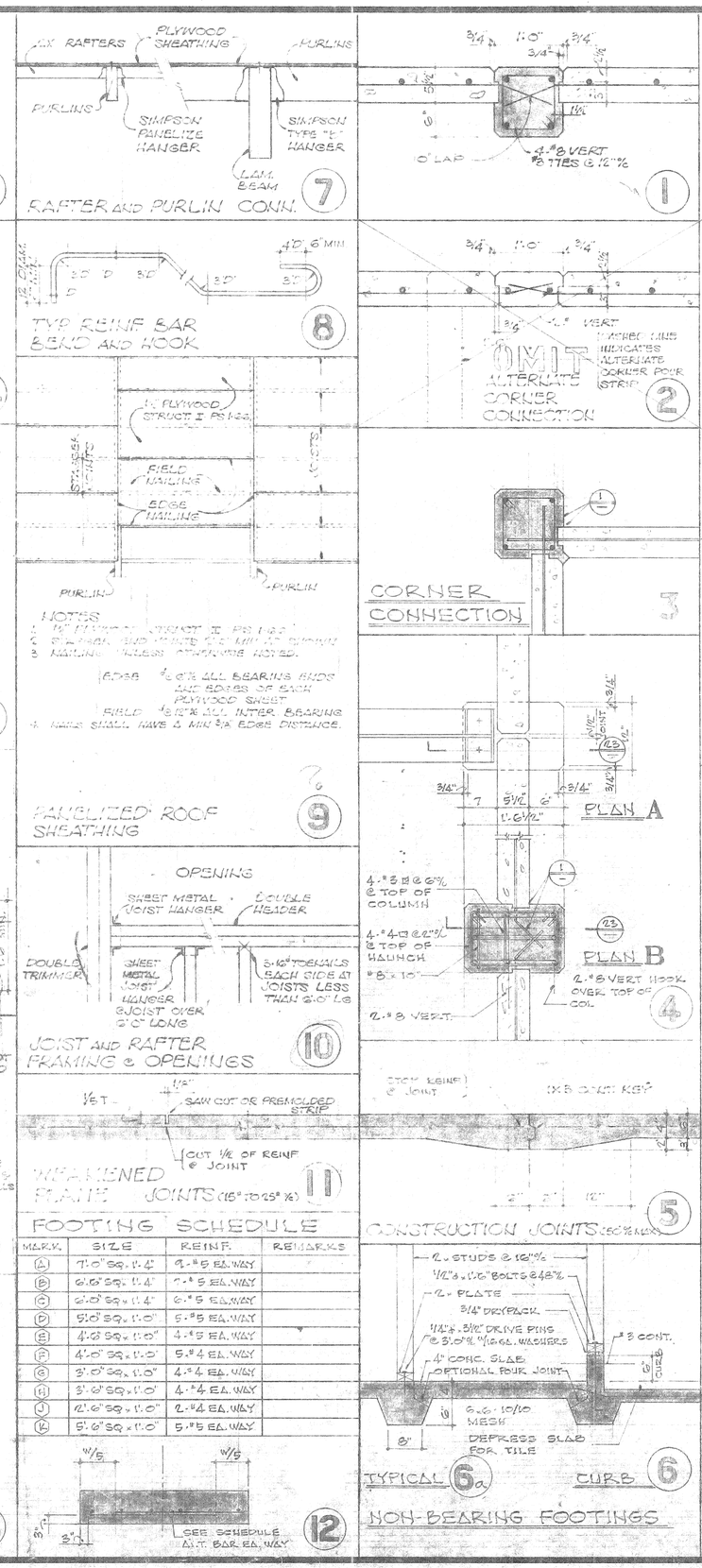
OF 3 SHEETS

OF 38







FOOTING SCHEDULE

MARK	SIZE	REINF.	REMARKS
A	7'-0" SQ. x 1'-4"	9-#5 EA. WAY	
B	6'-6" SQ. x 1'-4"	7-#5 EA. WAY	
C	6'-0" SQ. x 1'-4"	6-#5 EA. WAY	
D	5'-0" SQ. x 1'-0"	5-#5 EA. WAY	
E	4'-6" SQ. x 1'-0"	4-#5 EA. WAY	
F	4'-0" SQ. x 1'-0"	5-#4 EA. WAY	
G	3'-0" SQ. x 1'-0"	4-#4 EA. WAY	
H	3'-6" SQ. x 1'-0"	4-#4 EA. WAY	
J	2'-6" SQ. x 1'-0"	2-#4 EA. WAY	
K	5'-6" SQ. x 1'-0"	5-#5 EA. WAY	

GENERAL NOTES

GENERAL

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT OR ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
2. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE "GENERAL NOTES".
3. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE "UNIFORM BUILDING CODE" LATEST EDITION.

SOIL:

1. CHARACTER OF FOUNDATION SOIL: SILT SAND
2. SOIL BEARING VALUE: 1500 PSF
3. SOIL REPORT BY P.&C. FDN. ENGRS. RED PARK PFE 7123
LA SIERRA PARK PFE 7124
NICHOLS PARK PFE 7125

LUMBER:

1. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR OF THE FOLLOWING GRADE UNLESS NOTED.
[illegible]
BEAMS & STRINGERS 6" & LARGER SELECT STRUCT. MED
OTHER DECKING [illegible]

PLYWOOD SHEATHING - STRUCTURAL I

2. ALL STRUCTURAL LUMBER SHALL BE SEALED IN ACCORDANCE WITH GRADING AND DRESSING RULES OF THE WEST COAST LUMBERMAN'S ASSOCIATION.
3. ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR.
4. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPE ETC. UNLESS SPECIFICALLY DETAIL OR NOTED.
5. ALL SOLID BLOCKING SHALL BE FLUSH BETWEEN JOISTS OR RAFTER AT SAME SIZE AS NOTED.
6. HOLES FOR BOLTS SHALL BE BORED 1/16" TO 1/8" LARGER THAN THE NOMINAL BOLT DIAMETER.
7. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO THE APPLICATION OF PLASTER, PLYWOOD ETC.
8. CROSS BRIDGING SHALL BE PROVIDED AT 8'-0"% MAX. FOR ALL JOISTS AND RAFTERS MORE THAN 8" IN DEPTH. USE 2x2 OR AN APPROVED TYPE OF METAL BRIDGING.
9. PROVIDE 1x4 FLAT LET-IN BRACING (DIAGONAL) EVERY 25'-0" IN ALL STUD WALLS NOT SHEATHED. BRACE SHALL RUN CONT. FROM TOP PLATE TO SILL PLATE.
10. FASTENERS USED ON ROOFS AND SHEAR WALLS TO BE GRADE MARKED STRUCTURAL I PS 1-66.

CONCRETE:

1. CONCRETE SHALL CONTAIN A MIN. OF 5 SACKS OF CEMENT AND A MAX. OF 7 1/2 GALS OF WATER PER CUBIC YARD.
2. ALL CONCRETE SHALL HAVE THE FOLLOWING MIN. 28 DAY COMP. STRENGTH:
TILT-UP WALLS 2500 PSI *
FOOTINGS AND SLAB ON GRADE 2500 PSI *
ALL OTHER CONCRETE 2000 PSI
* NO SPECIAL INSPECTION REQUIRED, 2000 PSI USE IN DESIGN CALCULATIONS
3. REINFORCING STEEL SHALL HAVE THE FOLLOWING MIN. PROTECTIVE COVERING OF CONCRETE:
BELOW GRADE UNFORMED 3" CLEAR
BELOW GRADE FORMED 2" CLEAR
WALLS 1" CLEAR
COLUMNS 1½" CLEAR
STRUCT. SLABS (ABOVE GRADE) ¾" CLEAR
BEAMS AND GIRDERS 1½" CLEAR
4. MINIMUM REINFORCING LAP SPLICE SHALL BE 32 DIA.
5. ANCHOR BOLTS, DOWELS, INSERTS ETC. SHALL BE TIED IN PLACE BEFORE CONCRETE IS POURED.
6. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
7. REINF. SHALL CONFORM TO:
#7 AND LARGER - - - - - - GRADE 60
#6 AND SMALLER - - - - - - GRADE 40

STEEL

1. STEEL SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:
STRUCT. SHAPES & PLATES - A.S.T.M. A-36
PIPE COLS. - - - - - - A.S.T.M. A-53 GRADE B (30,000 PSI)
STEEL TUBE - - - - - - A.S.T.M. A-501
STEEL DECK - - - - - - A.S.T.M. A-446 GRADE C (33,000 PSI)
BOLTS - - - - - - A.S.T.M. A-307

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
TELE. (714) 781-9764
A.I.A.

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4310 ORANGE STREET (714) 686-3122
RIVERSIDE, CALIFORNIA 92501

GENERAL NOTES & TYPICAL DETAILS

COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARKS AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
DRAWN
CHECKED
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JOB 76-202
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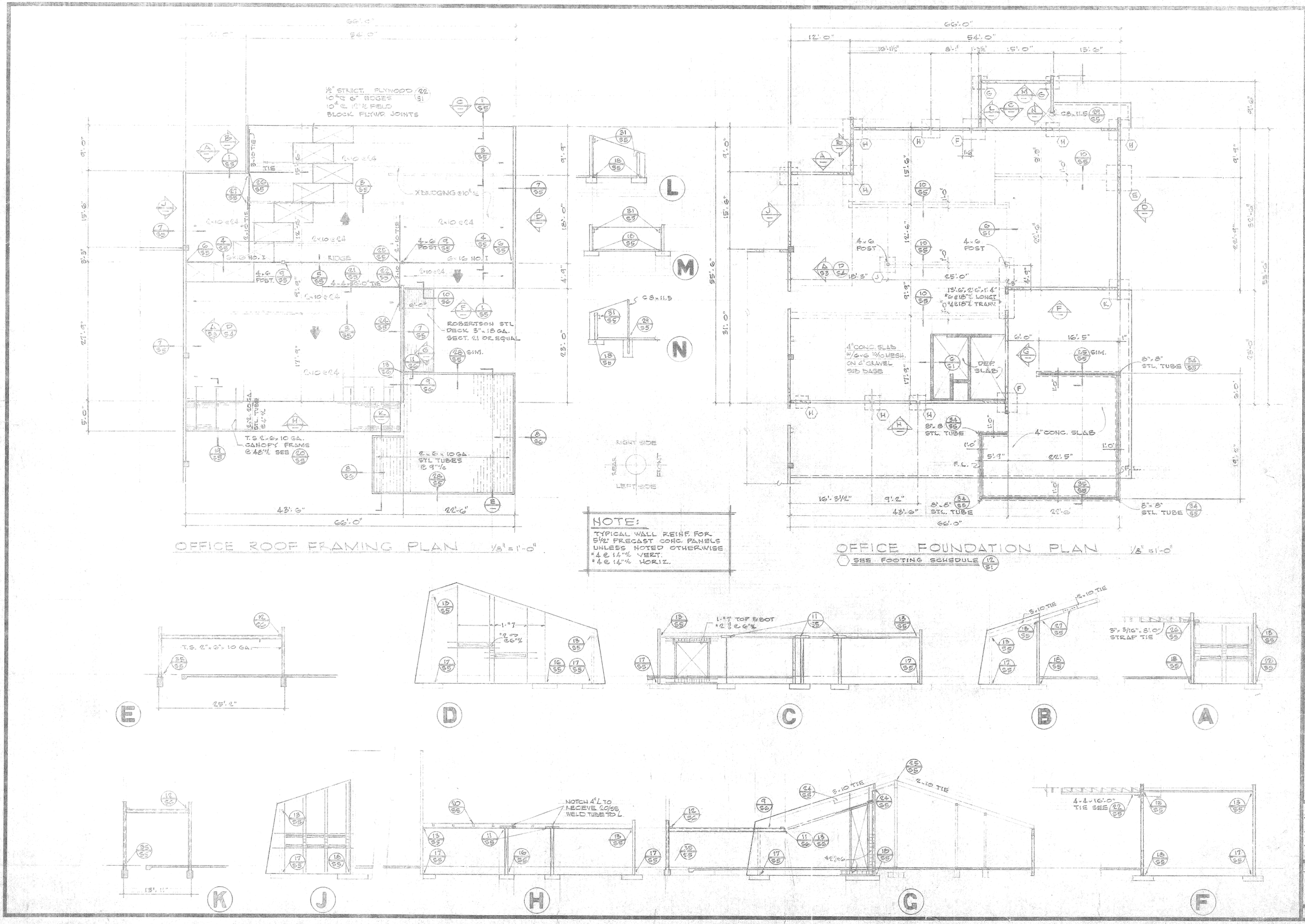

E. WARREN BRUCE
ARCHITECT
8370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4316 ORANGE STREET (714) 686-5122
RIVERSIDE, CALIFORNIA 92501

FOUNDATION & ROOF PLANS
ELEVATION & SECTIONS

COMMUNITY RECREATION CENTER
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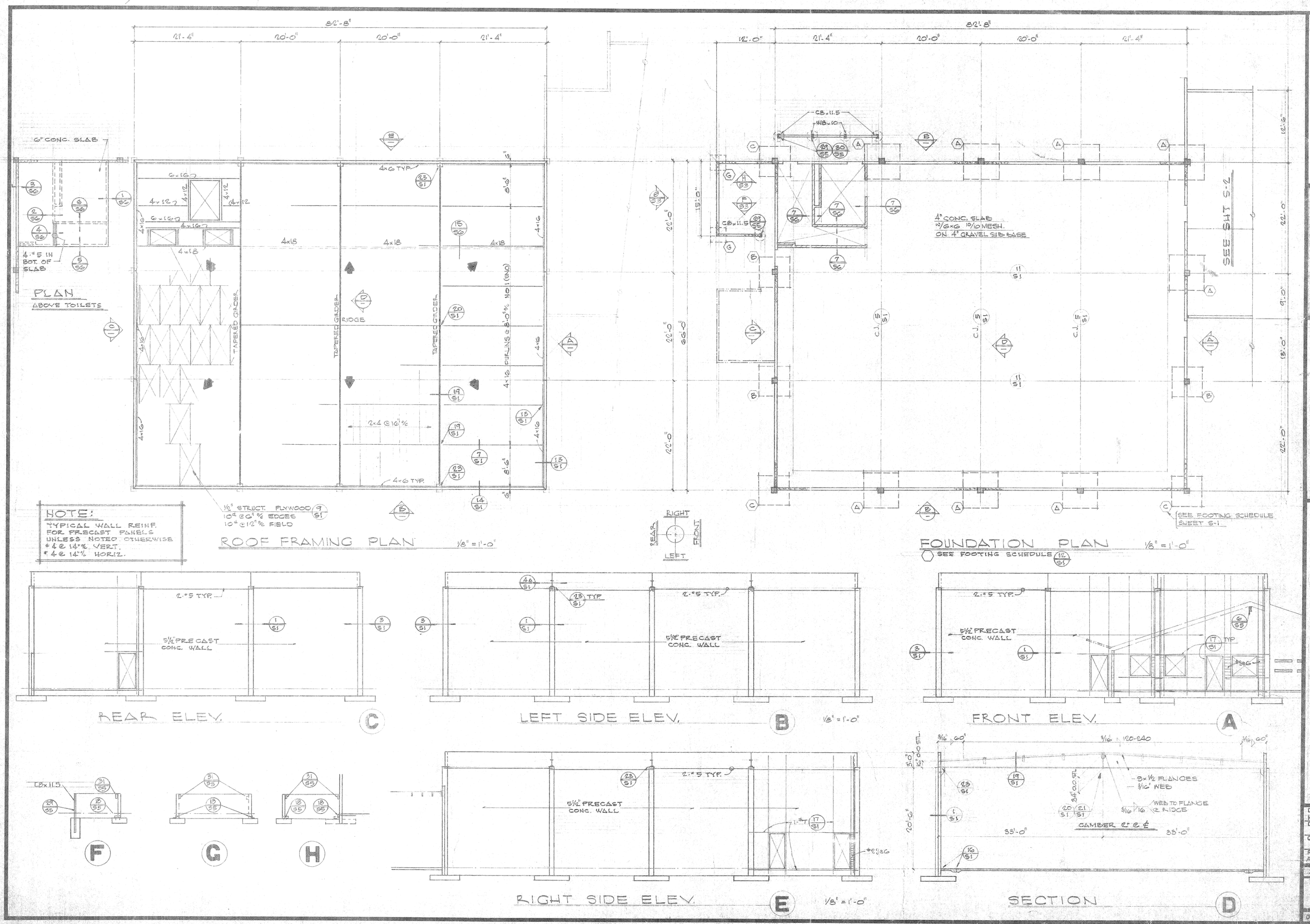
OF 6 SHEETS
OF 30



E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4310 ORANGE STREET (714) 686-5122
RIVERSIDE, CALIFORNIA 92501

GYMNASIUM
FOUNDATION & ROOF PLAN
ELEVATIONS & SECTION

COMMUNITY RECREATION CENTER
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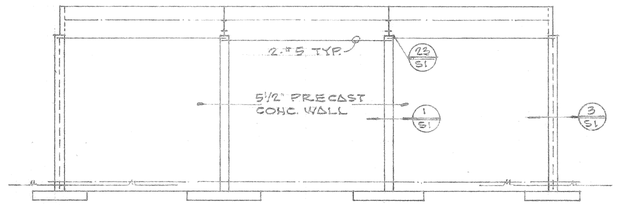
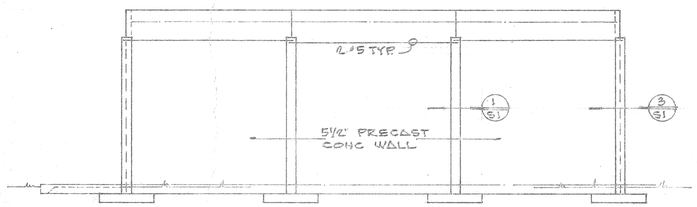
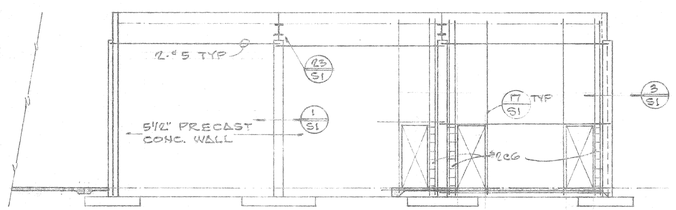
OF 6 SHEETS



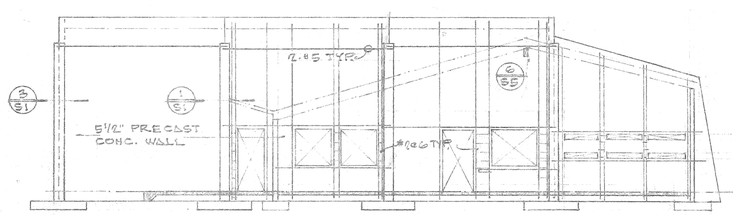
LEFT SIDE ELEVATION (A)



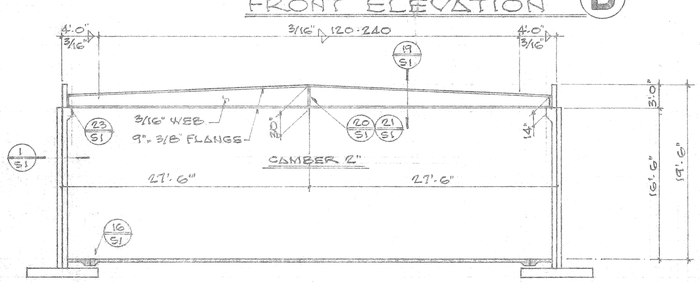
REAR ELEVATION (B)



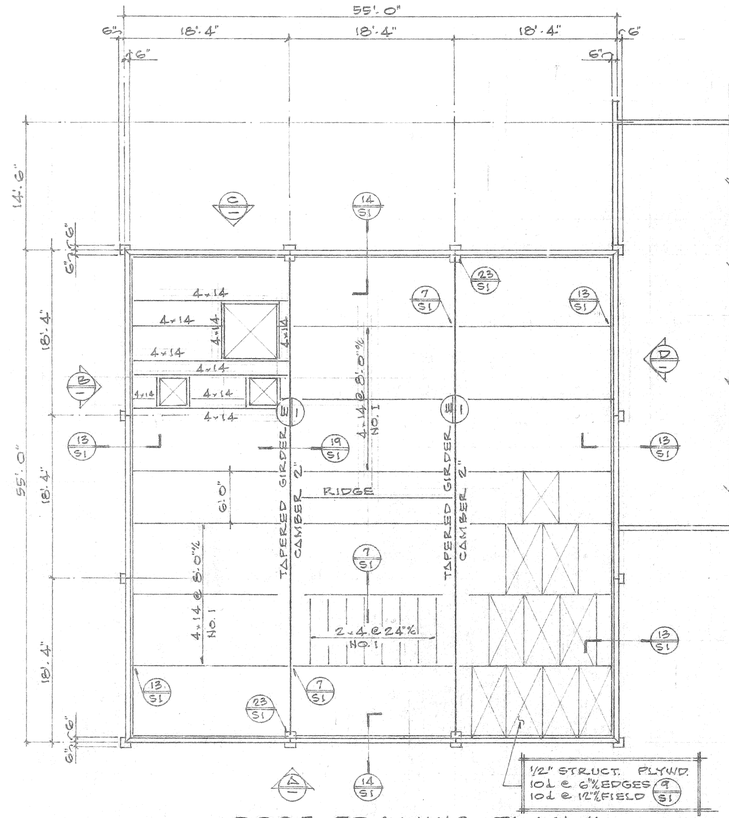
RIGHT SIDE ELEVATION (C)



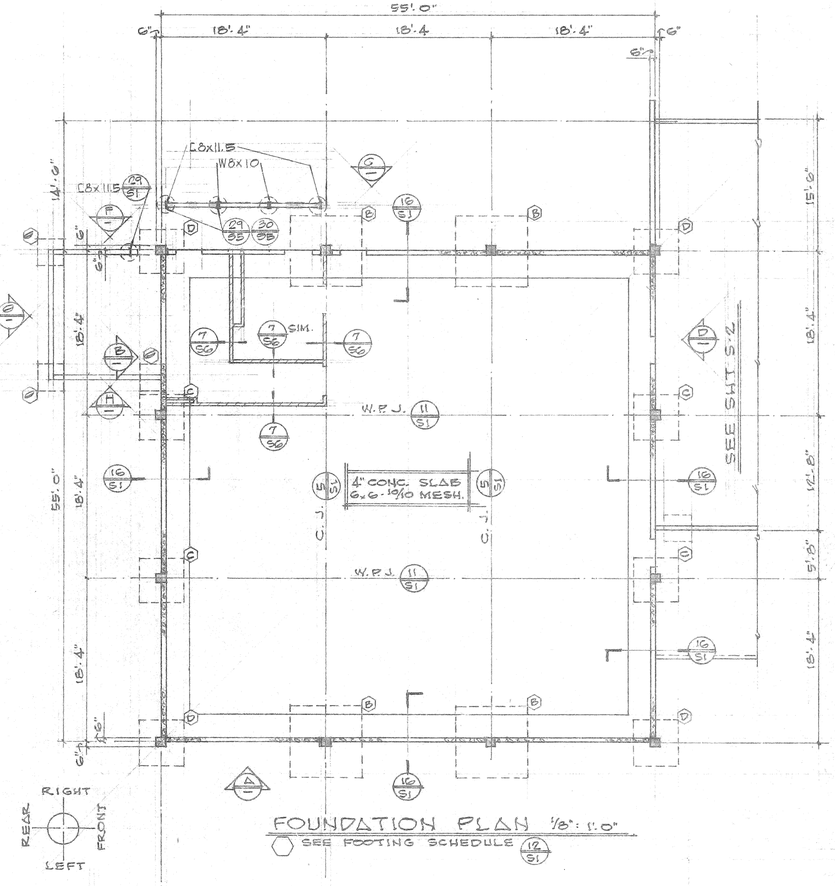
FRONT ELEVATION (D)



TAPERED GIRDER ELEVATION (E)



ROOF FRAMING PLAN 1/8" = 1'-0"

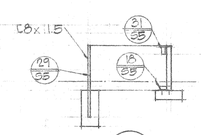


FOUNDATION PLAN 1/8" = 1'-0"

SEE FOOTING SCHEDULE

NOTE:

TYPICAL WALL REINF. FOR PRECAST PANELS UNLESS NOTED OTHERWISE
#4 @ 14" VERT.
#4 @ 14" HORIZ.



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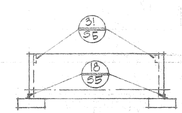

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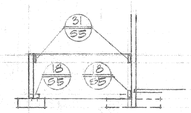

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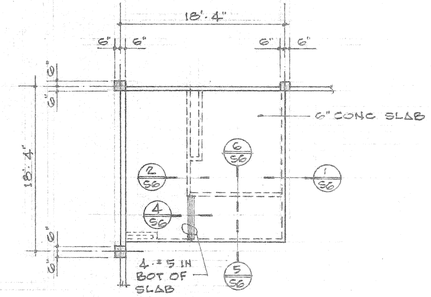

PLAN
ABOVE TOILETS

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
TELE. (714) 781-9764
A.I.A.

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4310 ORANGE STREET (714) 686-5122
RIVERSIDE, CALIFORNIA 92501

MULTI PURPOSE ROOM
FOUNDATION & ROOF PLANS
ELEVATIONS & SECTIONS

COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

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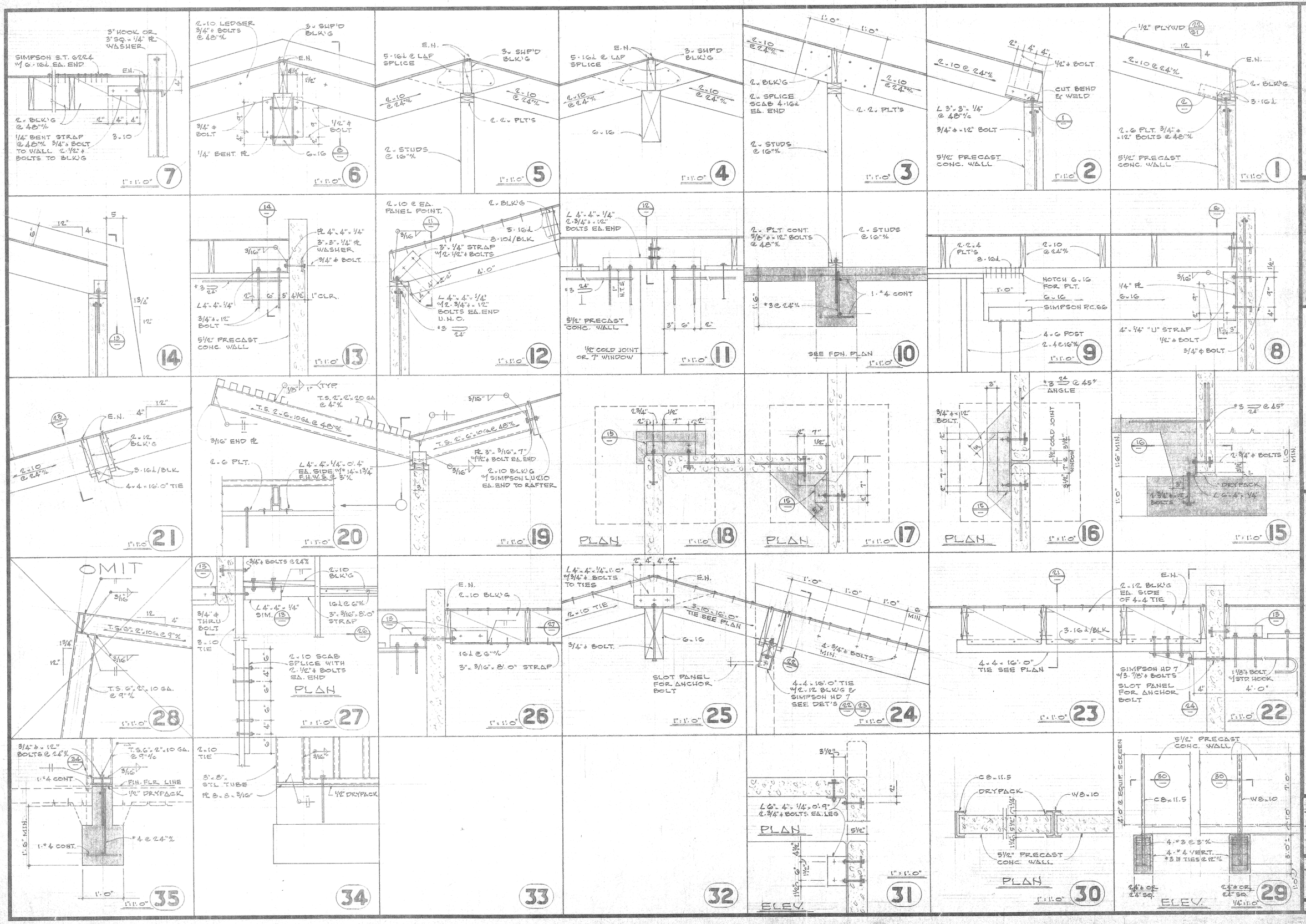

E. WARREN BRUCE
ARCHITECT
A.I.A.
8370 MAGNOLIA AVE.
RIVERSIDE, CA. 92504
TELE. (714) 781-9764

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4310 ORANGE STREET (714) 686-5122
RIVERSIDE, CALIFORNIA 92501

DETAILS

COMMUNITY RECREATION CENTER
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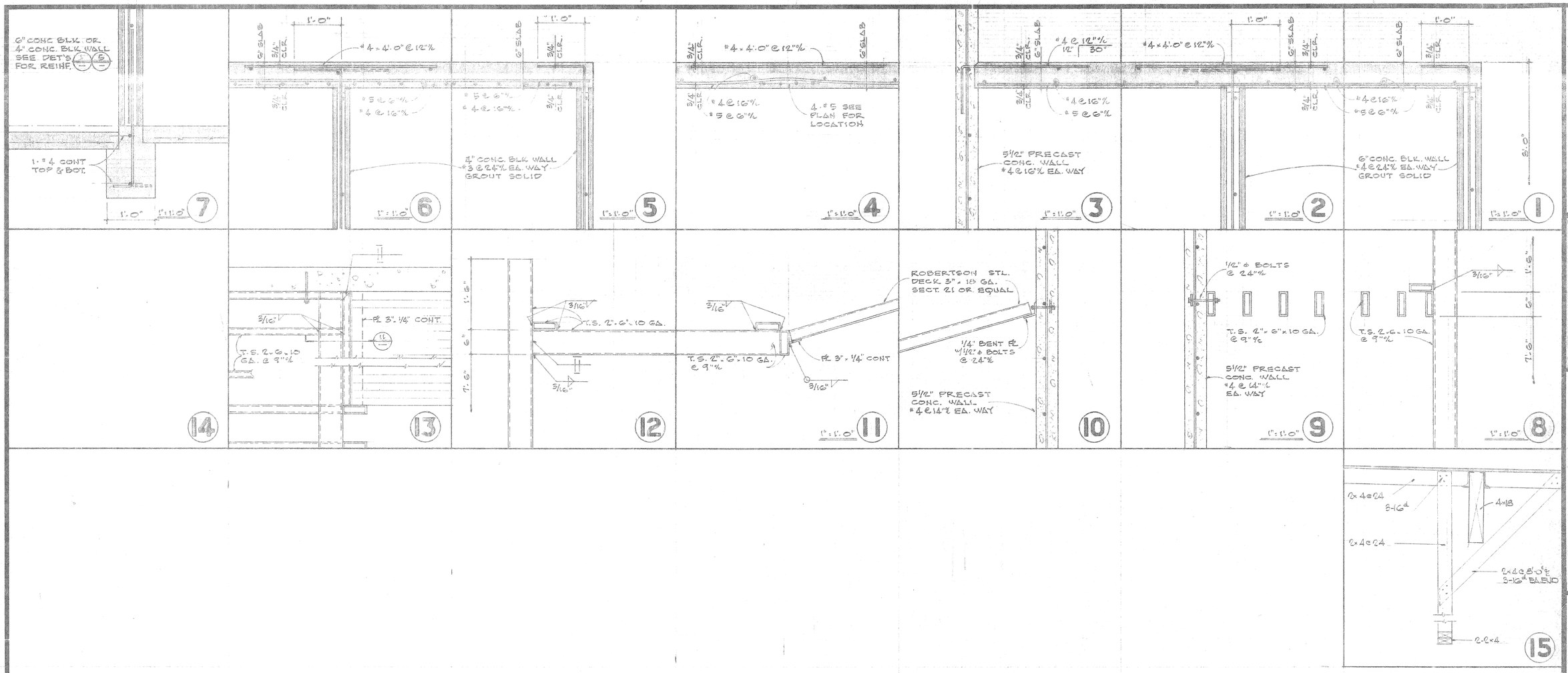

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE
RIVERSIDE, CALIF
TELE. (714) 781-9764
A.I.A.

JOHNSON & NIELSEN ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
4310 ORANGE STREET (714) 686-5122
RIVERSIDE, CALIFORNIA 92501

DETAILS

COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK AND RECREATION DEPARTMENT

DATE NOV. 30, 1977
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JOB 76202
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MECHANICAL EQUIPMENT SCHEDULE

AIR HANDLING UNITS

NO.	LOCATION	BLOWER CFM	BLOWER T.S.P.	BLOWER RPM	MOTOR HP	MOTOR V	MOTOR ϕ	COOLING COIL F.A.	COOLING COIL R	COOLING COIL W.S.	COOLING COIL FINS	COOLING COIL F.V.	COOLING COIL AIR P.D.	COOLING COIL ENT DB	COOLING COIL ENT WB	COOLING COIL LVG DB	COOLING COIL LVG WB	FILTERS QUAN	FILTERS SIZE	OPER. WT.	MFG. & MODEL
AH 1	MECH. EQUIP. RM	3400	2.5	2138	3	208	3	8.1	5	8	420	.4"	79	64	55	52.3		2	20"x20"x2"	1,800	"PACE" #A14-12-B1-S1-VET
	OFFICE/CRAFTS	2850	1.0	755	1													2	20"x25"x2"		"PACE" #A14 FC
AH 2	MECH. EQUIP. RM GYMNASIUM	6800	2.5	1950	5			13.0	5	10	523	.5"	79	64	55	53.1		9	20"x20"x2"	1300	"PACE" #A18-16 B1-DT
AH 3	MECH. EQUIP. RM MULTI-PURPOSE	4400	2.5	1925	5			8.1	6	8	543	.65"	79	64	55.2	51.6		2 2	20"x20"x2" 20"x25"x2"	950	"PACE" #A15-B1-DT

ELECTRIC DUCT HEATERS

NO.	LOCATION	CFM	SIZE	KW	V	ϕ	MFG. & MODEL
EDH 1	AH-1 ZONE #1	800	12x12	2.5	208	3	"BRASCH"
EDH 2	" " #2	580	12x12	1.0			
EDH 3	" " #3	1300	24x12	2.5			
EDH 4	" " #4	720	12x12	2.0			
EDH 5	AH-2	6800	42x30	17.0			
EDH 6	AH-3	4400	32x26	10.0			

NOTE: HEATERS 1-4 SHALL HAVE 1 STEP OF CONTROL.
HEATERS 5 & 6 SHALL HAVE 2 STEPS OF CONTROL

MECHANICAL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	T.R.	SIDEWALL SUPPLY/RETURN REGISTER
	C.D.	CEILING DIFFUSER
	C.R.	CEILING RETURN
	A.C.D.	AUTOMATIC CONTROL DAMPER
		DOOR LOUVER BY GEN. CONTRACTOR
		FLEXIBLE DUCT
T		THERMOSTAT
	M.V.D.	MANUAL VOLUME/BALANCE DAMPER
	F.D.	FIRE DAMPER

AIR COOLED CONDENSING UNITS

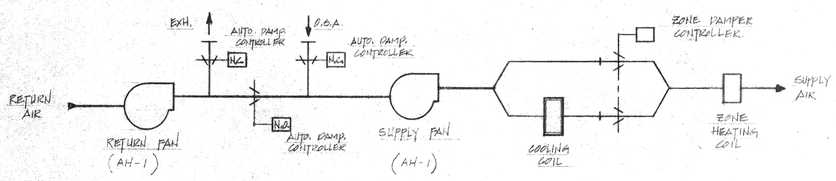
NO.	LOCATION	COMPRESSOR QUAN	F.A.	LRA	V	ϕ	COND. QUAN	HP	CAPACITY TONS	BTU	AMB AIR	OPER WT.	MFG. & MODEL
ACC 1	OUTDOOR OFFICE/CRAFTS	1	39.8	177	208	3	2	1/2	9.8	118,200	98°	660	"WESTINGHOUSE" #SR-010
ACC 2	OUTDOOR GYMNASIUM	1	98.7	368			4	1/2	18.4	221,300	98°	1330	"WESTINGHOUSE" #SR-020
ACC 3	OUTDOOR MULTI-PURPOSE	1	74.0	306			4	1/2	13.4	160,800	98°	1230	"WESTINGHOUSE" #SR-018

EXHAUST FANS

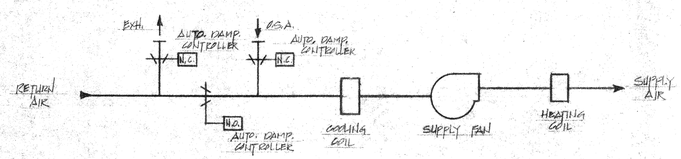
NO.	LOCATION	CFM	S.P.	RPM	T.S.	MOTOR HP	MOTOR V	MOTOR ϕ	OPE. WT.	MFG. & MODEL
EF 1	WOMEN TOILET	175	.25"	1550	—	1/15	115	1	—	"ACME" # V-2 "MASTERETTE"
EF 2	MEN TOILET	175	.25"	1550	—	1/15			—	# V-2 "
EF 3	MEN TOILET	240	.375"	1483	3864	1/12			25	# PR-75
EF 4	WOMEN TOILET									# PR-75
EF 5	MEN TOILET									# PR-75
EF 6	WOMEN TOILET									# PR-75

VENTILATORS

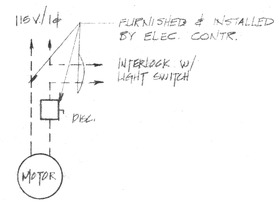
NO.	LOCATION	CFM	S.P.	SIZE	USE	MFG. & MODEL
V 1	ROOF	6800	.2"	36x24	EXH.	"ACME" # 36 24 MODEL "Z"
V 2		6800	.2"	36x24	INTAKE	# 36 24
V 3		4400	.15"	24x24	EXH.	# 24 24
V 4		4400	.15"	24x24	INTAKE	# 24 24
V 5		2850	.10"	12x30	EXH	# 1230



A/H-1 FLOW DIAGRAM



A/H-2 & 3 FLOW DIAGRAM



TOILET EXHAUST WIRING DIAGRAM

GENERAL NOTES

1. AIR DISTRIBUTION AND THERMOSTAT LOCATIONS ARE APPROXIMATE AND SHALL BE CO-ORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS.
2. ALL MISC. METAL ANGLES, BRACKETS AND SUPPORTS SHALL BE OF GALV. IRON. ALL WELDING OR BRAZING SHALL BE PAINTED OVER WITH GALVANEEL REPAIR.
3. ALL SUPPLY AIR BRANCH DUCT TAKE-OFFS SHALL HAVE MANUAL BALANCE DAMPERS WITH LOCKING DEVICE.
4. FLEXIBLE DUCT SHALL NOT EXCEED 12' IN LENGTH. FLEXIBLE DUCT TURNS SHALL HAVE A RADIUS OF NOT LESS THAN TWO (2) TIMES THE DUCT DIAMETER.
5. ALL THERMOSTATS SHALL BE FURNISHED W/ METAL DAMPER PROOF GUARD & LOCK KITS.

REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVEN No. 15838 MECHANICAL STATE OF CALIFORNIA

E. WARREN BRUCE ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-5764

STUEVEN & ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1065-H SORRENTO VALLEY ROAD (714) 452-9500
SAN DIEGO, CALIFORNIA 92121

SCHEDULES, CONTROLS & NOTES

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK & RECREATION DEPARTMENT

DATE NOV. 30, 1977
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M-1

OF 3 SHEETS

MECHANICAL EQUIPMENT SCHEDULE

AIR HANDLING UNITS

NO.	LOCATION	BLOWER CFM	BLOWER TSP	BLOWER RPM	MOTOR HP	MOTOR V	MOTOR Φ	COOLING COIL E.A.R.	COOLING COIL S.I.S.	COOLING COIL F.V.	COOLING COIL AIR P.D.	COOLING COIL E.T. DB	COOLING COIL E.T. WB	COOLING COIL L.D.B.	COOLING COIL L.V.G. DB	FILTERS QUAN.	FILTERS SIZE	OPER. WT.	MFG. & MODEL
AH 1	MECH. EQUIP. RM	3400	2.5	2188	3	208	3	8.1	5	5	420	.4"	79	64	55	52.3	2	20"x20"x2"	1800	"PACE" #AH-13-B1151-VBT
	OFFICE/CRAFTS	2850	1.0	755	1												2	20"x25"x2"		"PACE" #A14FC

ELECTRIC DUCT HEATERS

NO.	CAT.	C.F.M.	H.W.	W.	V.	Φ	MFG. & MODEL
EDH 1	AH-1 ZONE #1	800	12x12	2.5	208	3	"BRASCH"
EDH 2	" " #2	580	12x12	1.0	↓	↓	↓
EDH 3	" " #3	1320	24x12	2.5	↓	↓	↓
EDH 4	" " #4	720	12x12	2.0	↓	↓	↓

NOTE: HEATERS 1-4 SHALL HAVE 1 STEP OF CONTROL.
HEATERS 5 & 6 SHALL HAVE 2 STEPS OF CONTROL

MECHANICAL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	T.R.	SIDEWALL SUPPLY/RETURN REGISTER
	C.D.	CEILING DIFFUSER
	C.R.	CEILING RETURN
	A.C.D.	AUTOMATIC CONTROL DAMPER
		DOOR LOUVER BY GEN. CONTRACTOR
		FLEXIBLE DUCT
T		THERMOSTAT
	M.V.D.	MANUAL VOLUME/BALANCE DAMPER
	F.D.	FIRE DAMPER

AIR COOLED CONDENSING UNITS

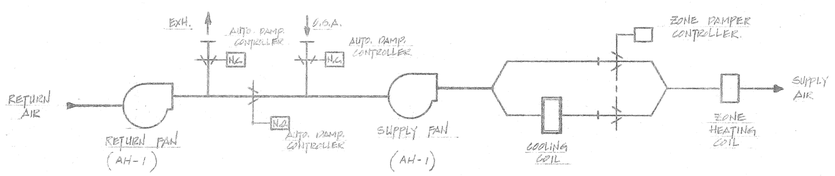
NO.	LOCATION	COMPRESSOR QTY	COMPRESSOR RLA	COMPRESSOR LRA	COMPRESSOR V	COMPRESSOR Φ	COND. FAN QTY	COND. FAN HP	CAPACITY TONS	CAPACITY BTU	AMBIENT	OPER. WT.	MFG. & MODEL
ACC 1	OUTDOOR OFFICE/CRAFTS	1	39.8	177	208	3	2	1/2	9.8	118,200	95°	660	"WESTINGHOUSE" #ER-010

EXHAUST FANS

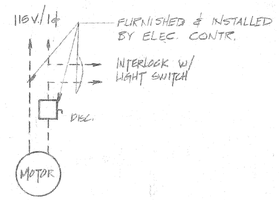
NO.	LOCATION	CFM	S.P.	RPM	T.S.	MOTOR HP	MOTOR V	MOTOR Φ	OPER. WT.	MFG. & MODEL
EF 1	WOMEN TOILET	175	.25"	1550	—	1/25	115	1	—	"ACME" #V-2 "MASTER-BITE"
EF 2	MEN TOILET	175	.25"	1550	—	1/25			—	#V-2 "
EF 3	MEN TOILET	240	.375"	1485	3864	1/22			25	#PR-75
EF 4	WOMEN TOILET	↓	↓	↓	↓	↓	↓	↓	↓	#PR-75
EF 5	MEN TOILET									#PR-75
EF 6	WOMEN TOILET									#PR-75

VENTILATORS

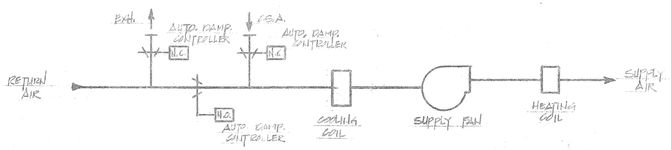
NO.	LOCATION	CFM	S.P.	SIZE	USE	MFG. & MODEL
V 1	ROOF	6800	.2"	36x24	EXH.	"ACME" #3624 MODEL "Z"
V 2	↓	6800	.2"	36x24	INTAKE	#3624
V 3		4400	.15"	24x24	EXH.	#2424
V 4		4400	.15"	24x24	INTAKE	#2424
V 5		2850	.10"	12x30	EXH	#1230



A/H-1 FLOW DIAGRAM



TOILET EXHAUST WIRING DIAGRAM



A/H-2 & 3 FLOW DIAGRAM

GENERAL NOTES

1. AIR DISTRIBUTION AND THERMOSTAT LOCATIONS ARE APPROXIMATE AND SHALL BE CO-ORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS.
2. ALL MISC. METAL ANGLES, BRACKETS AND SUPPORTS SHALL BE OF GALV. IRON. ALL WELDING OR BRAZING SHALL BE PAINTED OVER WITH GALVANEL REPAIR.
3. ALL SUPPLY AIR BRANCH DUCT TAKE-OFFS SHALL HAVE MANUAL BALANCE DAMPERS WITH LOCKING DEVICE.
4. FLEXIBLE DUCT SHALL NOT EXCEED 12' IN LENGTH. FLEXIBLE DUCT TURNS SHALL HAVE A RADIUS OF NOT LESS THAN TWO (2) TIMES THE DUCT DIAMETER.
5. ALL THERMOSTATS SHALL BE FURNISHED W/ METAL DAMPER PROOF GUARD & LOCK KITS.

(AS BUILT)

REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVEN No. 15630 MECHANICAL

AS-BUILT

E. WARREN BRUCE ARCHITECT A.I.A.
6370 MAGNOLIA AVE. RIVERSIDE, CALIF. TELE. (714) 781-9764

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
10961-H BORRENTO VALLEY ROAD (714) 452-6601
SAN DIEGO, CALIFORNIA 92121

SCHEDULES, CONTROLS & NOTES (AS BUILT 4-9-80)

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
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JOB 76226

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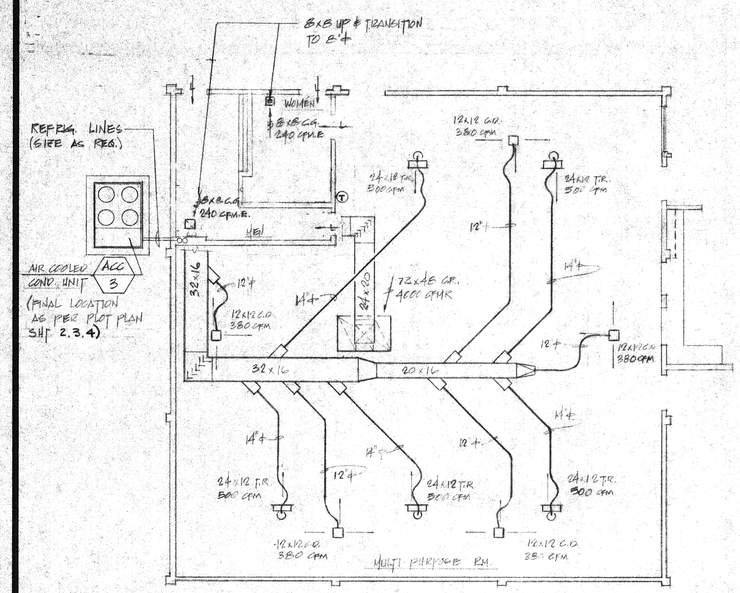
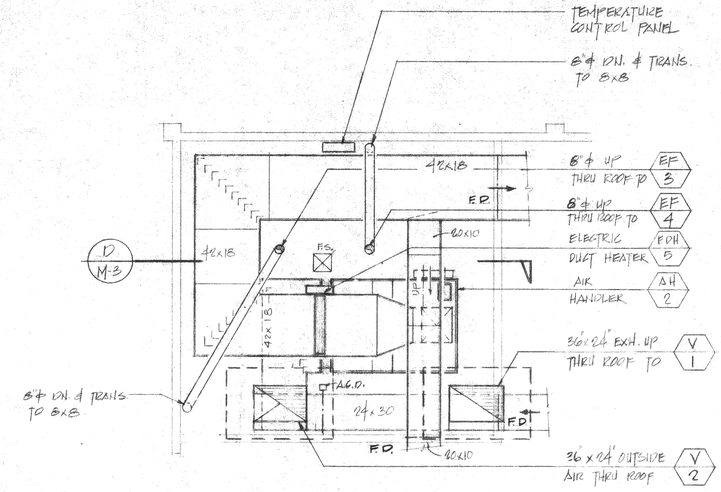
SHEETS OF 53



NOT A PART OF CONTRACT

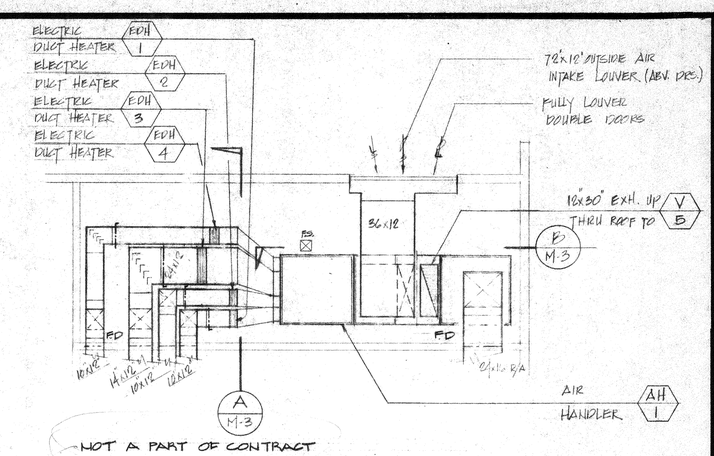
MULTI-PURPOSE ROOM MECHANICAL FLOOR PLAN

SCALE: 1/8"=1'-0"



GYMNASIUM MECHANICAL EQUIP. ROOM

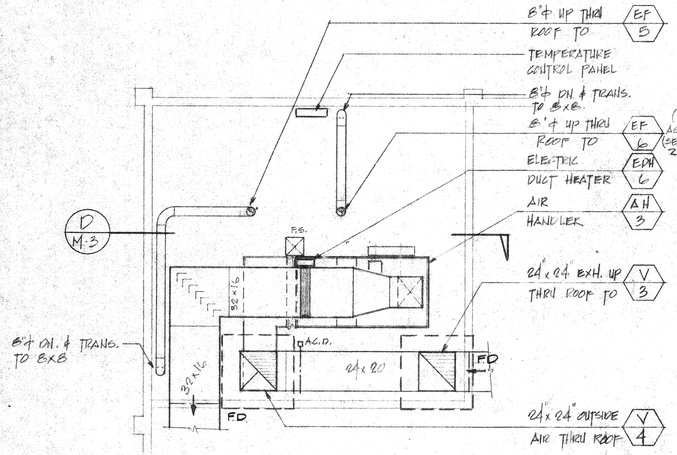
SCALE: 1/4"=1'-0"



NOT A PART OF CONTRACT

MECHANICAL EQUIP. ROOM

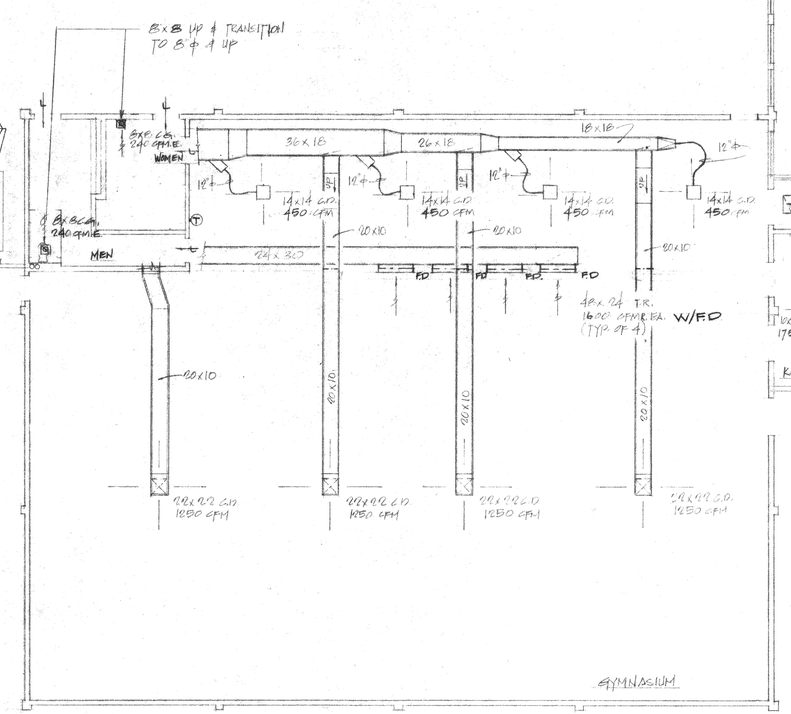
SCALE: 1/4"=1'-0"

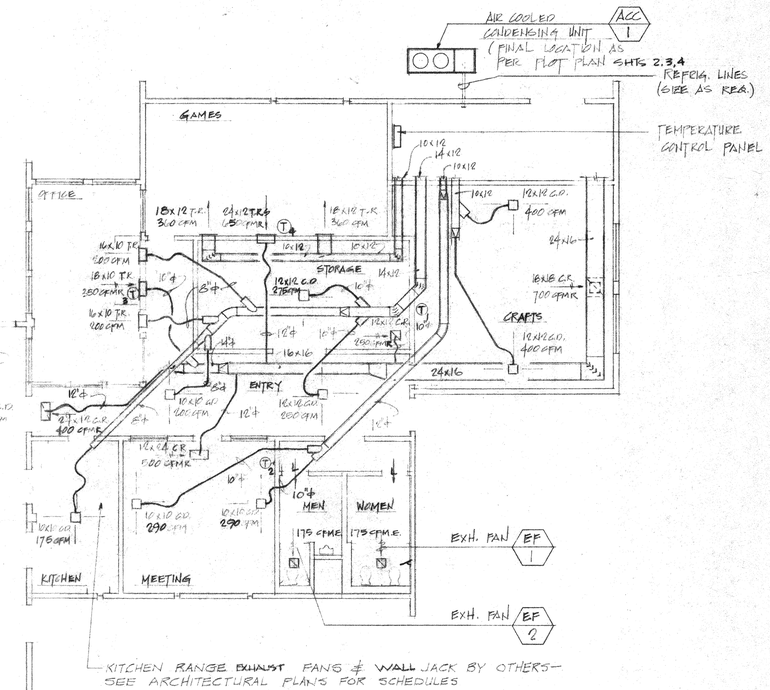


NOT A PART OF CONTRACT

MULTI-PURPOSE MECHANICAL FLOOR PLAN

SCALE: 1/4"=1'-0"





MECHANICAL FLOOR PLAN (W/ GYMNASIUM)

SCALE: 1/8"=1'-0"

NOTE: PROVIDE FIRE DAMPERS AT ALL CEILING PENETRATION LOCATIONS.

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1085 H SORRENTO VALLEY ROAD (714) 452-9600
SAN DIEGO, CALIFORNIA 92121

AIR CONDITIONING FLOOR PLAN & EQUIP. RMS. PLANS

PROTOTYPE COMMUNITY RECREATION CENTER

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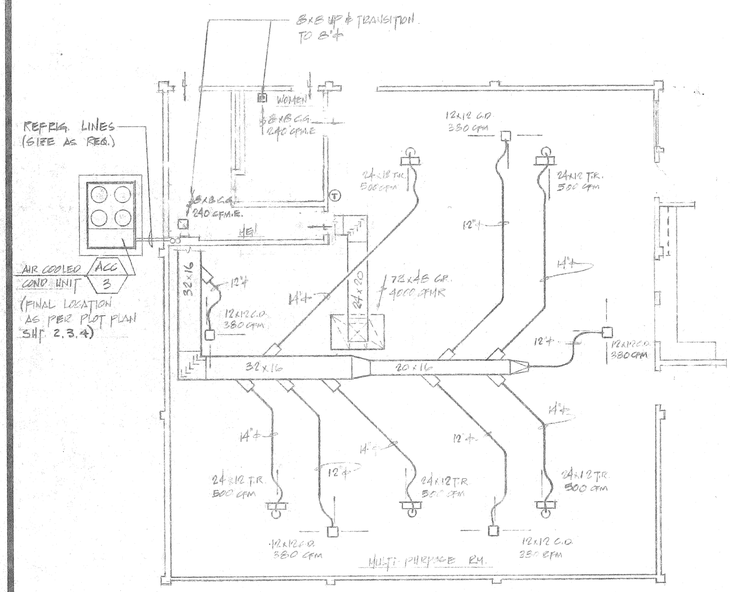
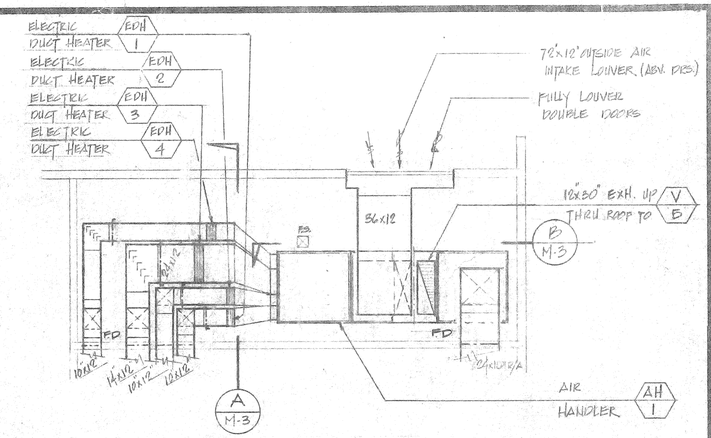
OF 3 SHEETS

REGISTERED PROFESSIONAL ENGINEER — DAVID J. STUEVEN — MECHANICAL — STATE OF CALIFORNIA

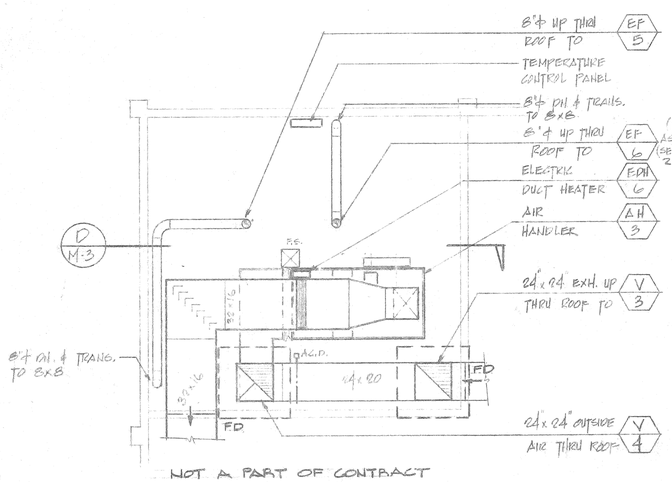


NOT A PART OF CONTRACT

MULTI-PURPOSE ROOM
MECHANICAL FLOOR PLAN
SCALE: 1/8"=1'-0"

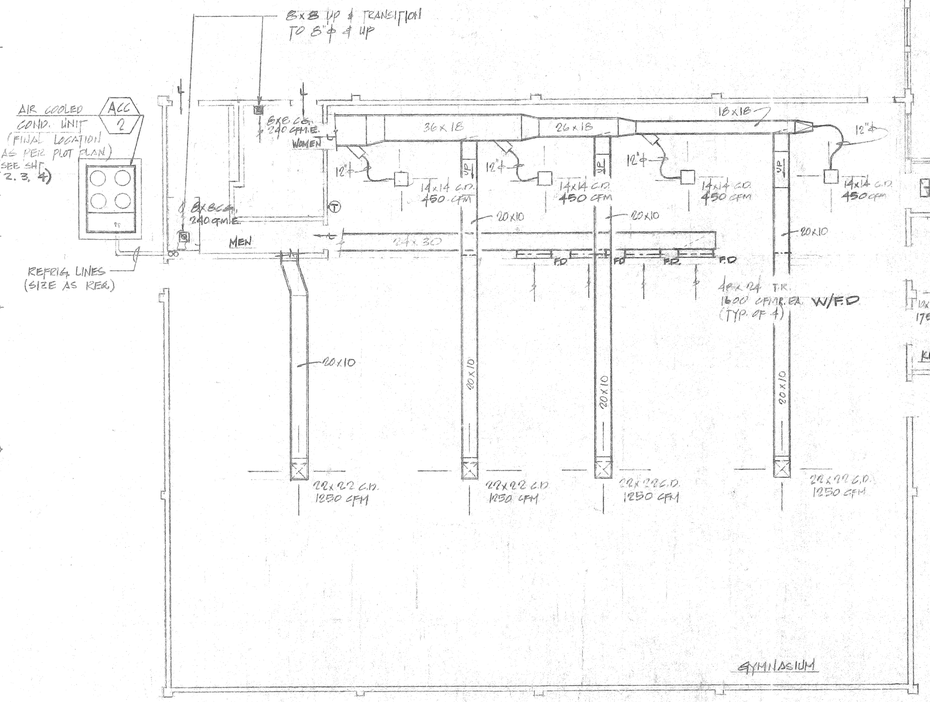


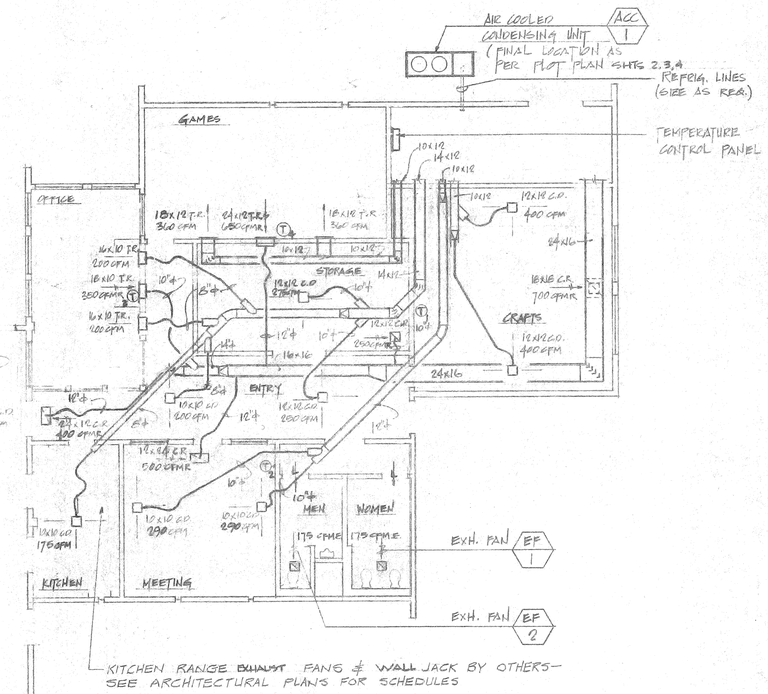
MECHANICAL EQUIP. ROOM
SCALE: 1/4"=1'-0"



NOT A PART OF CONTRACT

MULTI-PURPOSE
MECHANICAL FLOOR PLAN
SCALE: 1/4"=1'-0"





MECHANICAL FLOOR PLAN (W/GYMNASIUM)
SCALE: 1/8"=1'-0"

NOTE: PROVIDE FIRE DAMPERS AT ALL CEILING PENETRATION LOCATIONS.

(AS BUILT)

REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVEN No. 15938 MECHANICAL STATE OF CALIFORNIA

AS-BUILT

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1005 I-H SORRENTO VALLEY ROAD (714) 452-9600
SAN DIEGO, CALIFORNIA 92121

AIR CONDITIONING FLOOR PLAN & EQUIP. RMS. PLANS (AS BUILT 4-9-80)

PROTOTYPE COMMUNITY RECREATION CENTER
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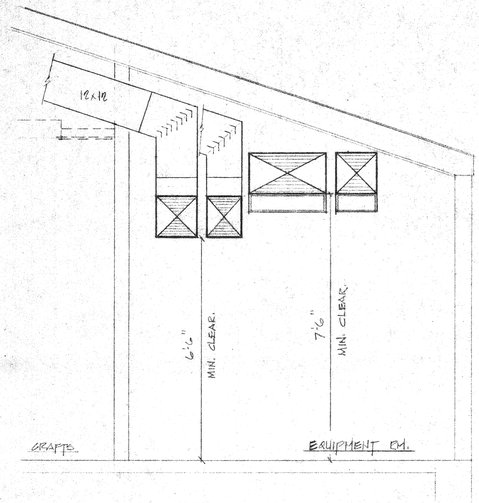
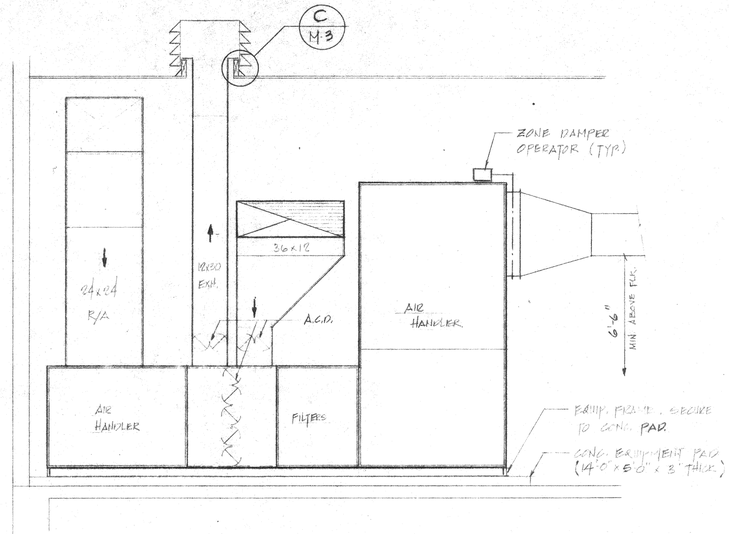
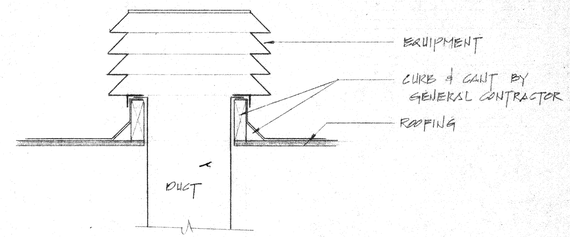


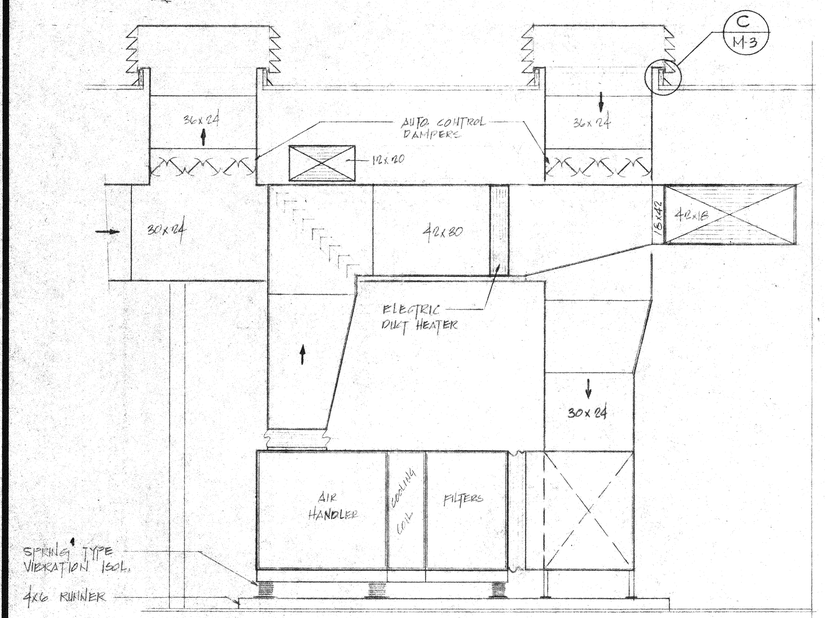
ELEVATION (A / M-3)
SCALE: 1/8" = 1'-0"



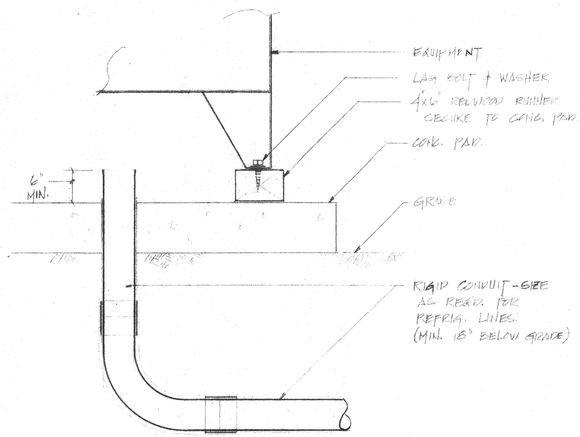
ELEVATION (B / M-3)
SCALE: 1/8" = 1'-0"



ROOF MOUNTED VENTILATOR (C / M-3)
SCALE: NONE



ELEVATION (GYMNASIUM) (D / M-3)
(MULTI-PURPOSE SIMILAR)
SCALE: 1/2" = 1'-0"



CONDENSING UNIT MOUNTING AND REFRIGERATION PIPING CONDUIT DETAIL (E / M-3)
SCALE: NONE

REGISTERED PROFESSIONAL ENGINEER
HAROLD J. STUEVEN
No. 15838
MECHANICAL
STATE OF CALIFORNIA

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CA 92506
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1085-H SORRENTO VALLEY ROAD (714) 452-9500
SAN DIEGO, CALIFORNIA 92121

ELEVATIONS & DETAILS

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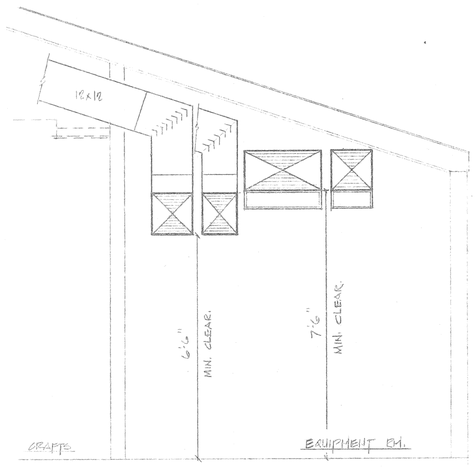
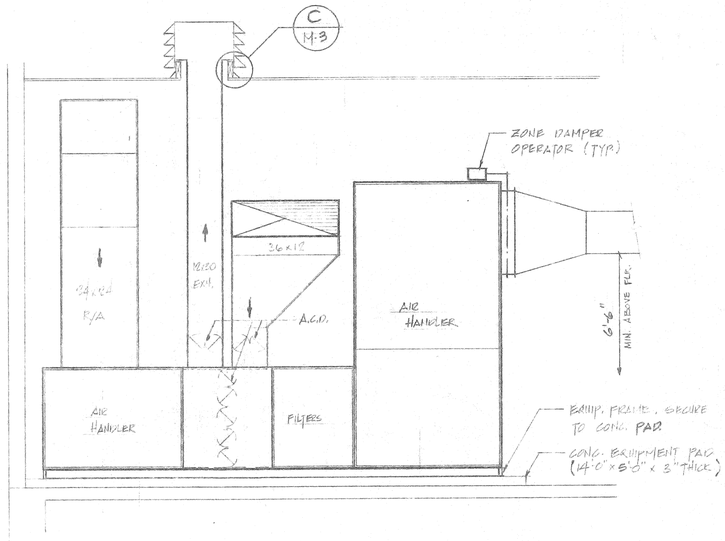
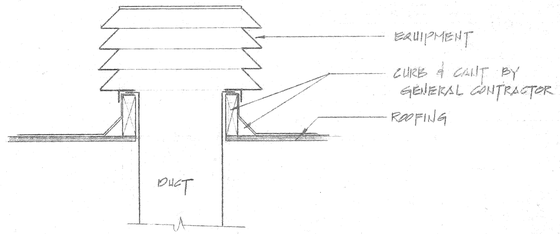
	M-3
OF	3 SHEETS



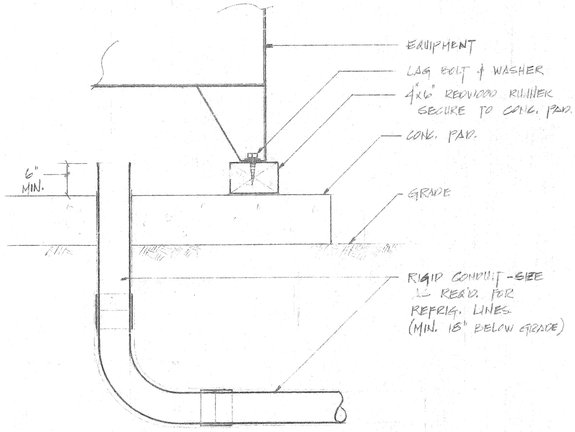
ELEVATION (A / M-3)
SCALE: 1/2" = 1'-0"



ELEVATION (B / M-3)
SCALE: 1/2" = 1'-0"



ROOF MOUNTED VENTILATOR (C / M-3)
SCALE: NONE



CONDENSING UNIT MOUNTING AND REFRIGERATION PIPING CONDUIT DETAIL (E / M-3)
SCALE: NONE

(AS BUILT)

REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVEN No. 15838 MECHANICAL STATE OF CALIFORNIA

AS-BUILT

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
10151-H SORRENTO VALLEY ROAD (714) 452-9600
SAN DIEGO, CALIFORNIA 92121

ELEVATIONS & DETAILS
(AS BUILT 4-9-80)

PROTOTYPE COMMUNITY RECREATION CENTER
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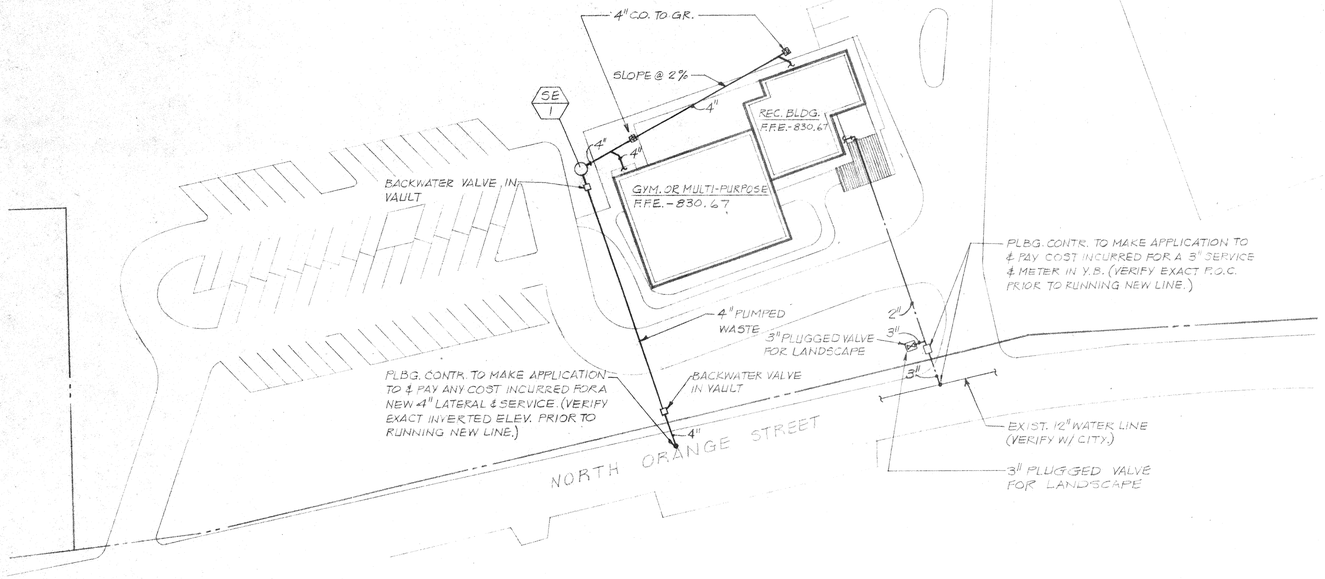
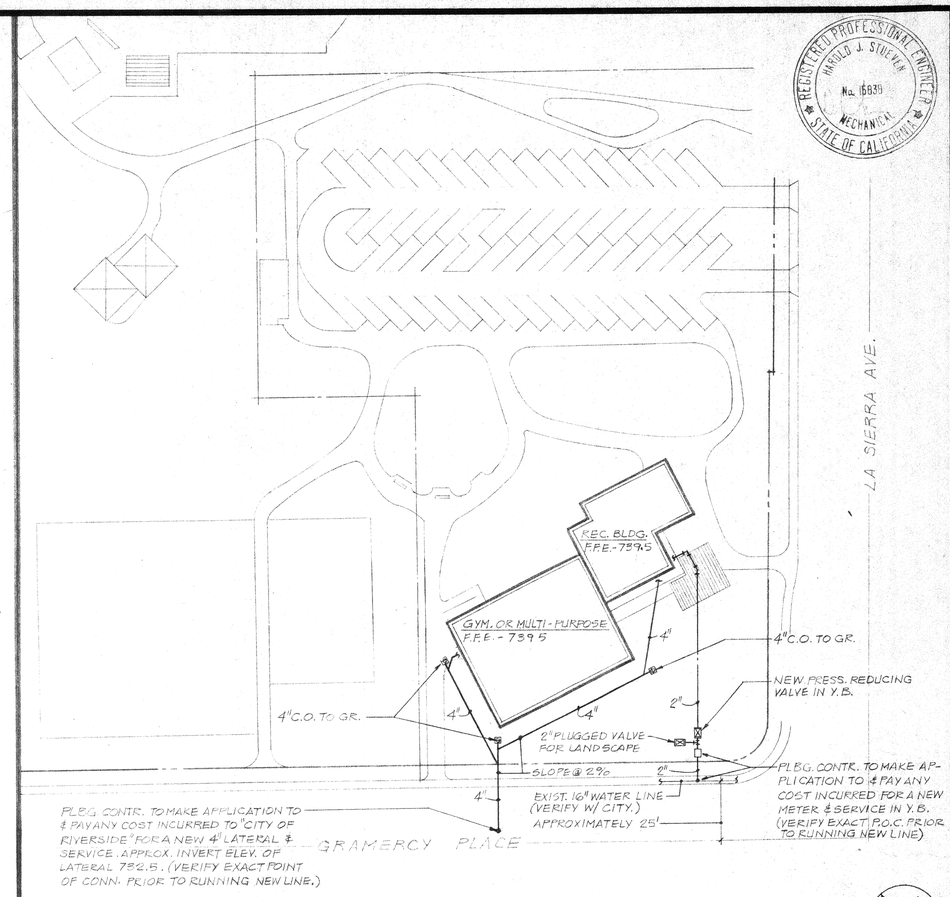


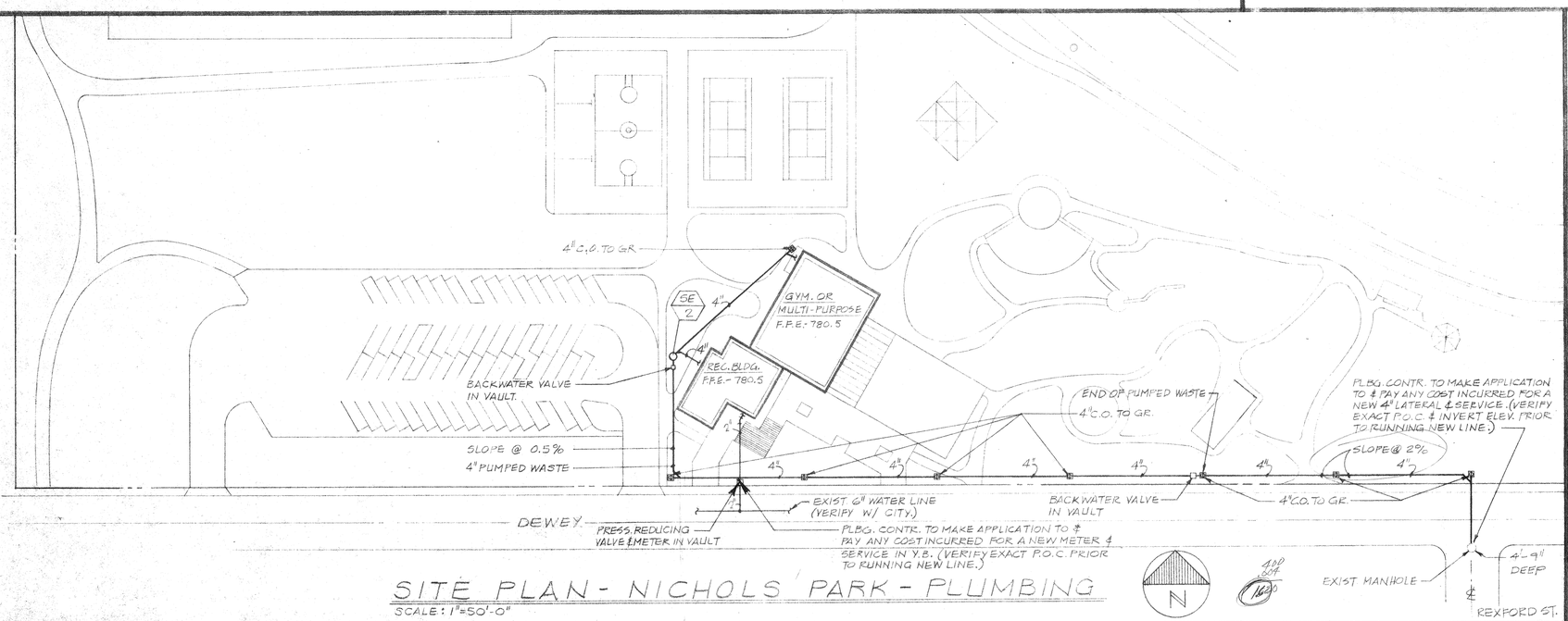
SITE PLAN - REID PARK - PLUMBING

SCALE: 1"=40'-0"



SITE PLAN - LA SIERRA PARK - PLUMBING

SCALE: 1"=40'-0"



SITE PLAN - NICHOLS PARK - PLUMBING

SCALE: 1"=50'-0"

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION
——	S OR W	SOIL OR WASTE
—DS—	D.S.	DOWN SPOUT
—OF—	O.F.	OVERFLOW
- - - - -	V.	SANITARY VENT
— - — - —	C.W.	COLD WATER
— - — - —	H.W.	HOT WATER
	F.C.O.	FLOOR CLEANOUT
	C TO G	CLEANOUT TO GRADE
	W.C.O.	WALL CLEANOUT
	UP	RISE OR RISER
	DN	DOWN OR DROP
	S.O.V.	SHUT OFF VALVE ON RISER OR DROP
	H.B.	HOSE BIBB
	A.B.V.	ABOVE
	BEL.	BELOW
	C.P.	CHROME PLATED
	CONN	CONNECT OR CONNECTION
	CONT.	CONTINUATION
	CONTR.	CONTRACTOR
	ELEV.	ELEVATION
	HDR	HEADER
	P.O.C.	POINT OF CONNECTION
	V.T.R.	VENT THRU ROOF
	Y.B.	YARD BOX
	F.F.E.	FINISH FLOOR ELEVATION

REGISTERED PROFESSIONAL ENGINEER
HAROLD J. STUEVEN
No. 16639
MECHANICAL
STATE OF CALIFORNIA

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
10951-H SORRENTO VALLEY ROAD (714) 452-9500
SAN DIEGO, CALIFORNIA 92121

SITE PLANS - PLUMBING

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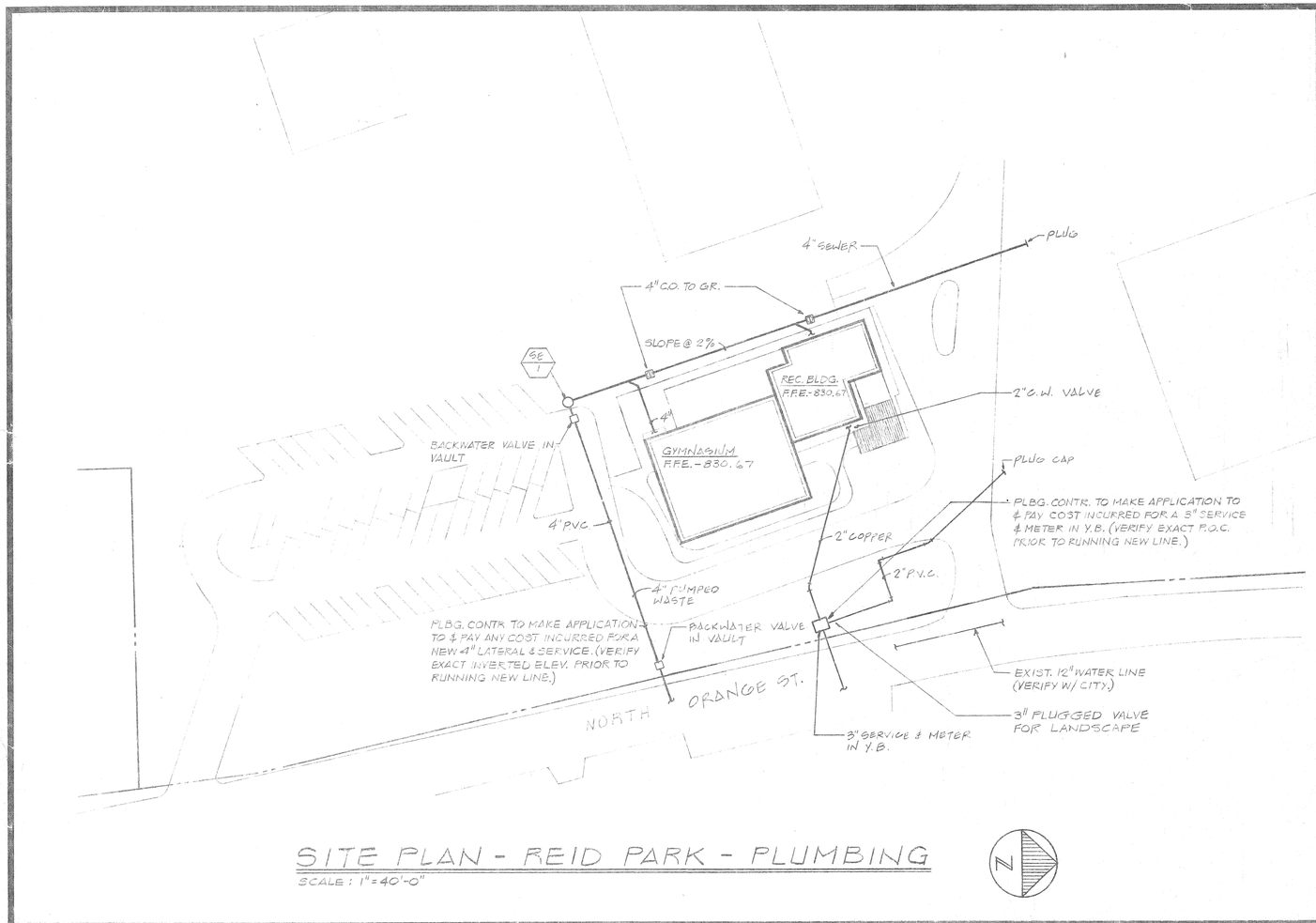
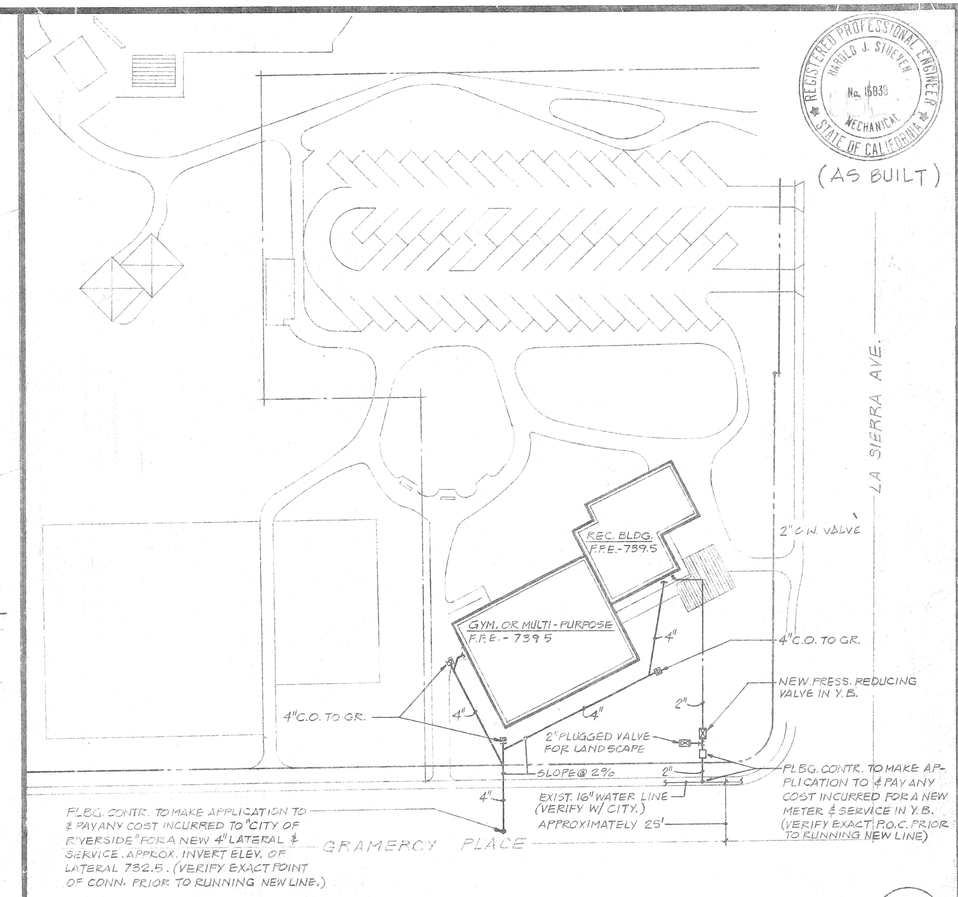


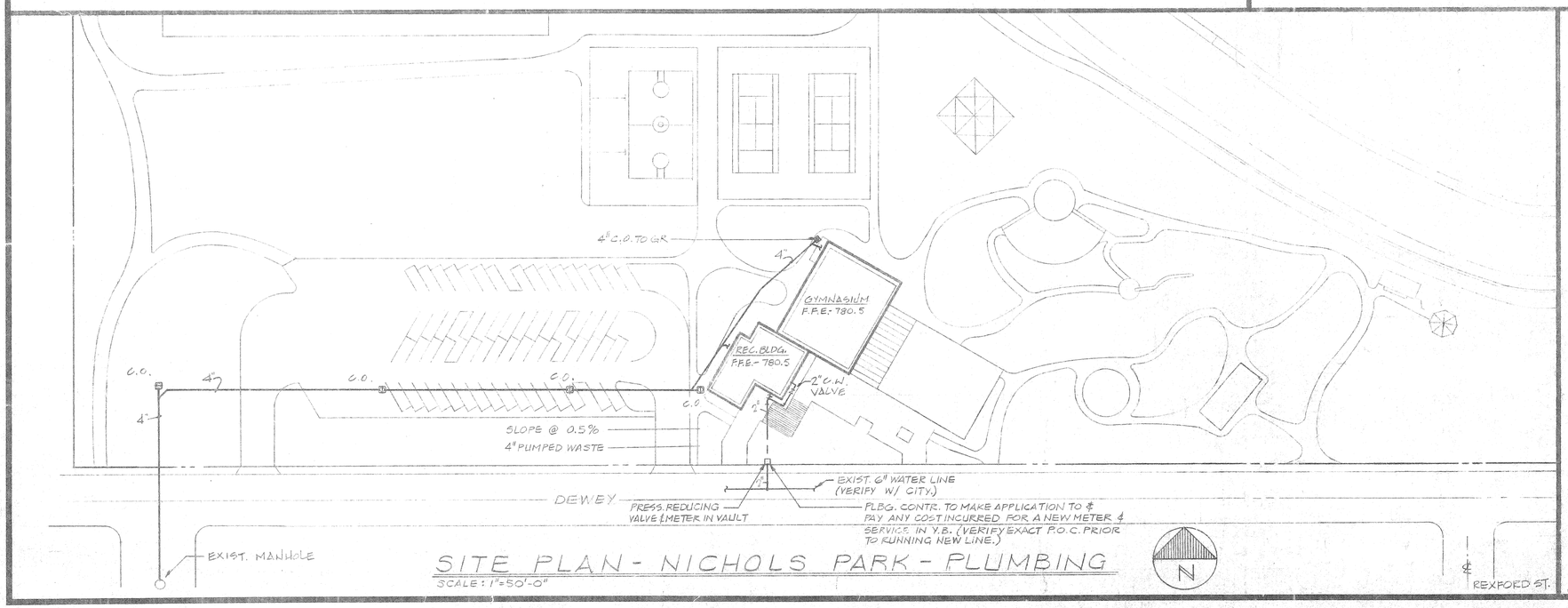
SITE PLAN - REID PARK - PLUMBING

SCALE: 1"=40'-0"



SITE PLAN - LA SIERRA PARK - PLUMBING

SCALE: 1"=40'-0"



SITE PLAN - NICHOLS PARK - PLUMBING

SCALE: 1"=50'-0"

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	S. OR W.	SOIL OR WASTE
—DS—	D.S.	DOWN SPOUT
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	C.W.	COLD WATER
	H.W.	HOT WATER
	F.C.O.	FLOOR CLEANOUT
	C TO G	CLEANOUT TO GRADE
	W.C.O.	WALL CLEANOUT
	UP	RISE OR RISER
	DN	DOWN OR DROP
	S.O.V.	SHUT OFF VALVE ON RISER OR DROP
	H.B.	HOSE BIBB
	ABV.	ABOVE
	BEL	BELOW
	C.P.	CHROME PLATED
	CONN.	CONNECT OR CONNECTION
	CONT.	CONTINUATION
	CONTR.	CONTRACTOR
	ELEV.	ELEVATION
	HDR	HEADER
	P.O.C.	POINT OF CONNECTION
	V.T.R.	VENT THRU ROOF
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REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVEN No. 16839 MECHANICAL STATE OF CALIFORNIA

E. WARREN BRUCE
ARCHITECT
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764
A.I.A.

STUEVEN ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
1095 H SORRENTO VALLEY ROAD (714) 452-9500
SAN DIEGO, CALIFORNIA 92121

SITE PLANS - PLUMBING

(AS BUILT 4-9-80)

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT

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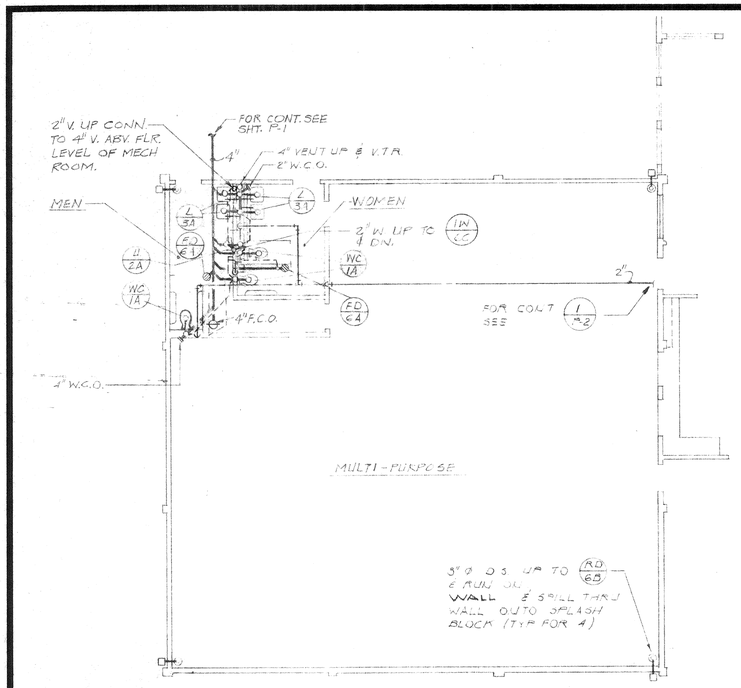
AS-BUILT

SHEETS OF 38



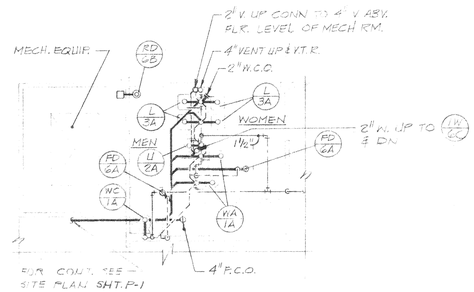
ALTERNATE MULTI-PURPOSE FLOOR PLAN (A)

SCALE: 1/8" = 1'-0" (REID & NICKOLS PARK ONLY)

NOT PART OF CONTRACT

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
WH 1	ELECTRIC WATER HEATER-"LOCHINVAR" R-30 Q 30 GALLON STORAGE CAPACITY TO RECOVER 6.2 GPH AT 100° RISE IN TEMPERATURE SINGLE ELEMENT 120 V. 1Φ 60HZ. COMPLETE WITH A.S.M.E. COMBINATION TEMPERATURE & PRESSURE RELIEF VALVE.
SE 1	DUPLEX SEWAGE EJECTOR "HYDR-O MATIC" "S" SERIES 1½ H.P. 1750 R.P.M. 208/1-30 60HZ. SUBMERGIBLE NON-CLOG PUMPING UNIT CAPABLE OF 180 GPM @ 27 FT. OF HEAD WITH A PUMP DISCHARGE OF 4". UNIT SHALL BE COMPLETE WITH ALARMS, WEATHERPROOF DUPLEX ELECTRICAL CONTROL PANEL MOUNTED ABOVE SUMP. MERCURY TUBE SWITCH LEVEL CONTROLS, 42" DIA. BY 6 FEET DEEP SUMP WITH GAS TIGHT STEEL COVER, CURBING, INSPECTION PLATES, & LIFTING EYES. THE ELECTRICAL CONTROLS & ACCESSORIES SHALL MAKE SYSTEM COMPLETELY AUTOMATIC. PROVIDE CHECK VALVES ON DISCHARGE OF EACH PUMP. (NICHOLS PARK)
SE 2	SAME AS SE-1 EXCEPT 180 G.P.M. @ 22 FT. OF HEAD. (REID PARK)

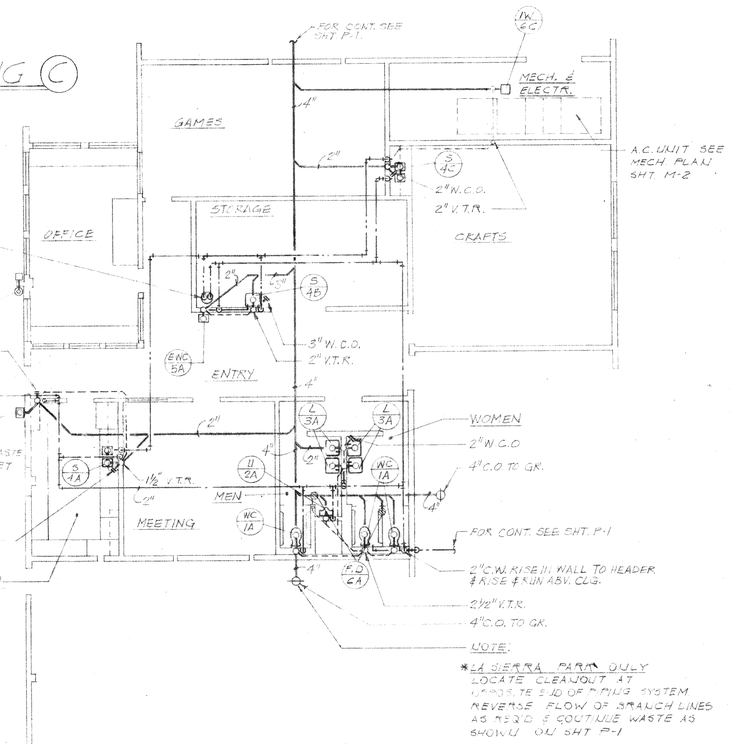


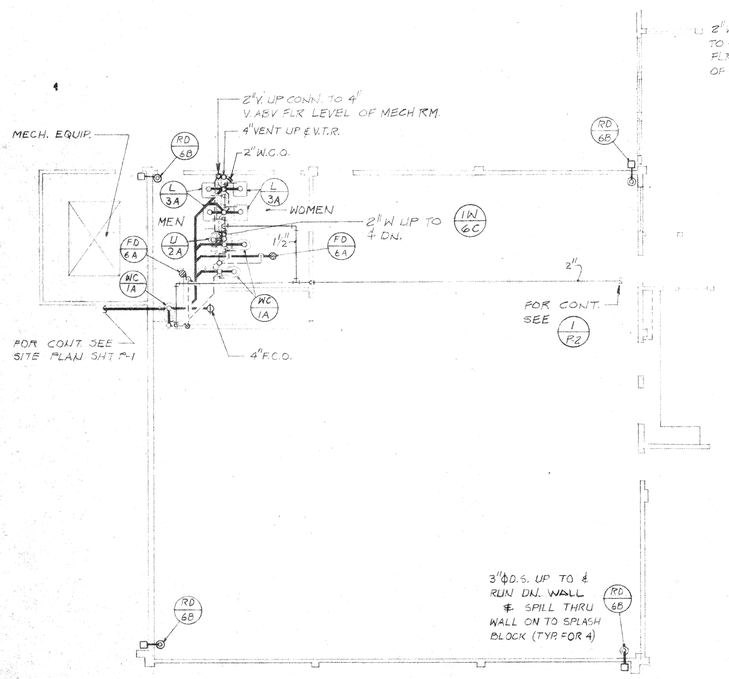
PARTIAL GYM TOILET ROOM FLOOR PLAN-PLUMBING (C)

SCALE: 1/8" = 1'-0" (LA SIERRA PARK ONLY)

FIXTURE SCHEDULE

ITEM	WASTE	TRAP	VENT	C.W.	H.W.	DESCRIPTION
WC 1A	4"	INT	2"	1"	•	WATER CLOSET, FLOOR MOUNTED FLUSH VALVE
U 2A	2"	INT	1½"	3/4"	•	URINAL WALL HUNG FLUSH VALVE
L 3A	2"	1½"	1½"	½"	•	LAVATORY, WALL HUNG
S 4A	2"	1½"	1½"	½"	½"	33"×22" 2-COMPARTMENT STAINLESS STEEL SINK
S 4B	3"	3"	2"	3/4"	3/4"	JAN. SINK, WALL HUNG
S 4C	2"	1½"	1½"	½"	½"	24"×18" STAINLESS STEEL COUNTERTOP SINK
EWC 5A	2"	1½"	1½"	½"	•	ELECTRIC WATER COOLER
FD 6A	2"	2"	2"	•	•	FLOOR DRAIN WITH TRAP PRIMER CONN.
RD 6B	3"	•	•	•	•	ROOF DRAIN
IW 6C	2"	2"	2"	•	•	INDIRECT WASTE RECEPTOR

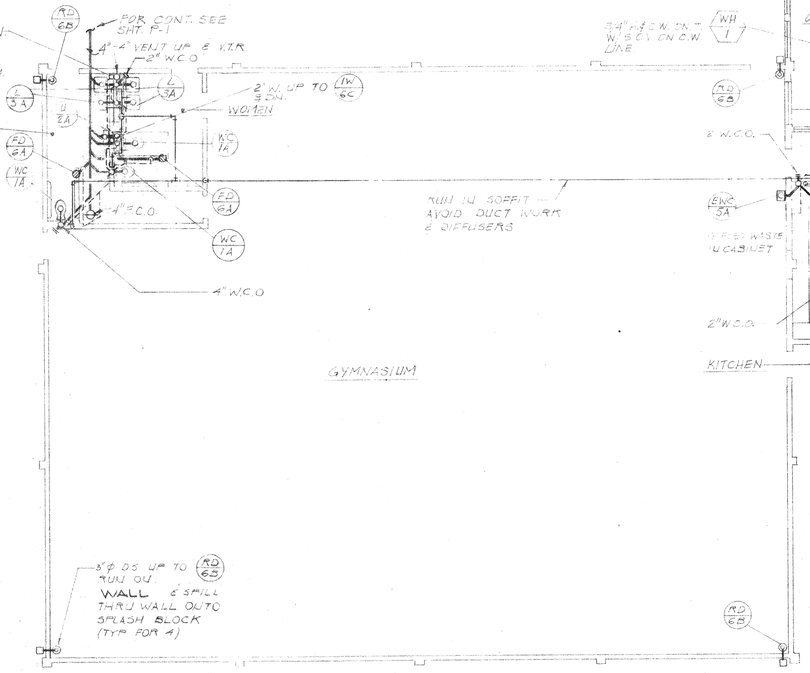




ALTERNATE MULTI PURPOSE FLOOR PLAN (B)

SCALE: 1/8" = 1'-0" (LA SIERRA PARK-ONLY)

NOT PART OF CONTRACT



FLOOR PLAN - PLUMBING (1)

SCALE: 1/8" = 1'-0" *(REID & NICHOLS PARK ONLY) SEE SITE PLAN SHT. P-1 FOR NORTH DIRECTION

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CA. 92506
TELE. (714) 781-9764

STUEVER ASSOCIATES
CONSULTING MECHANICAL ENGINEERS
10851-H SORRENTO VALLEY ROAD (714) 452-8500
SAN DIEGO, CALIFORNIA 92121

PLUMBING FLOOR PLAN

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT

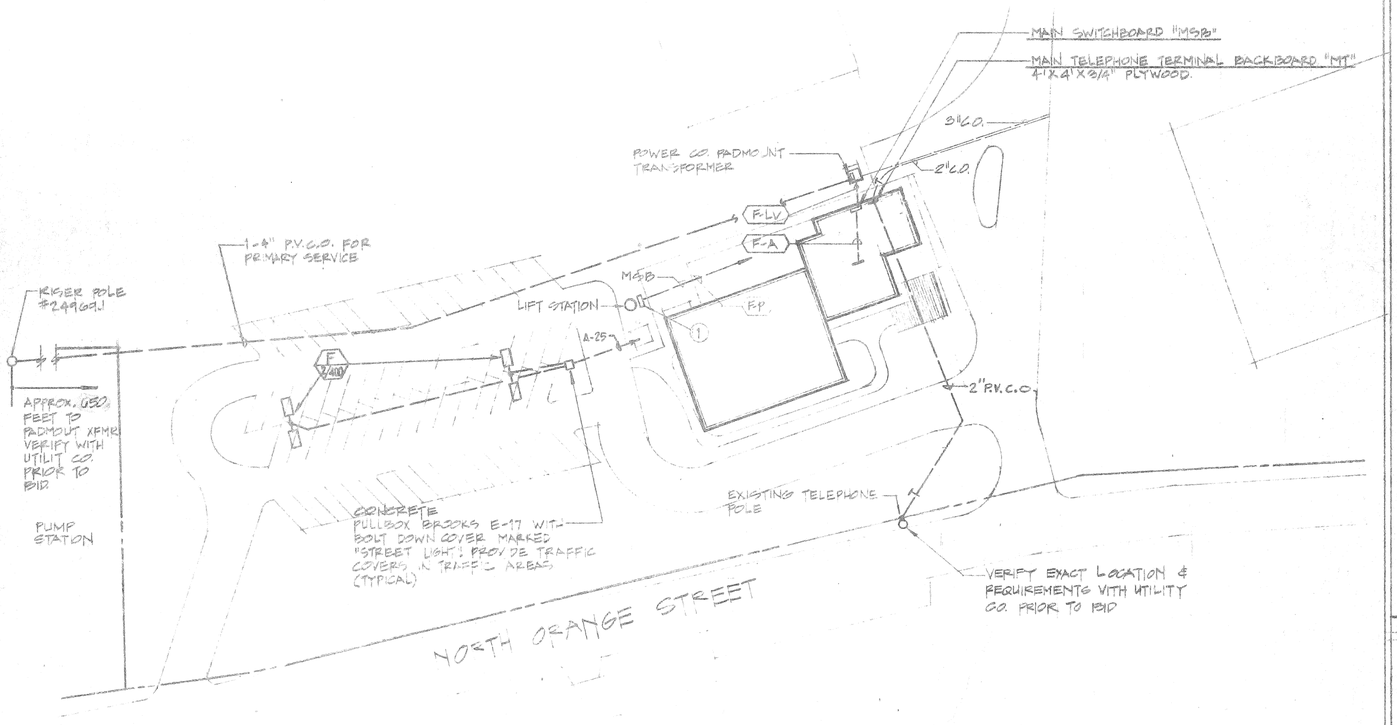
DATE NOV. 30, 1977
DRAWN M.R.
CHECKED FKS.
REVISED APRIL 26, 1978
JOB 76202

REGISTERED PROFESSIONAL ENGINEER HAROLD J. STUEVER No. 15838 MECHANICAL STATE OF CALIFORNIA

P-2

OF 2 SHEETS

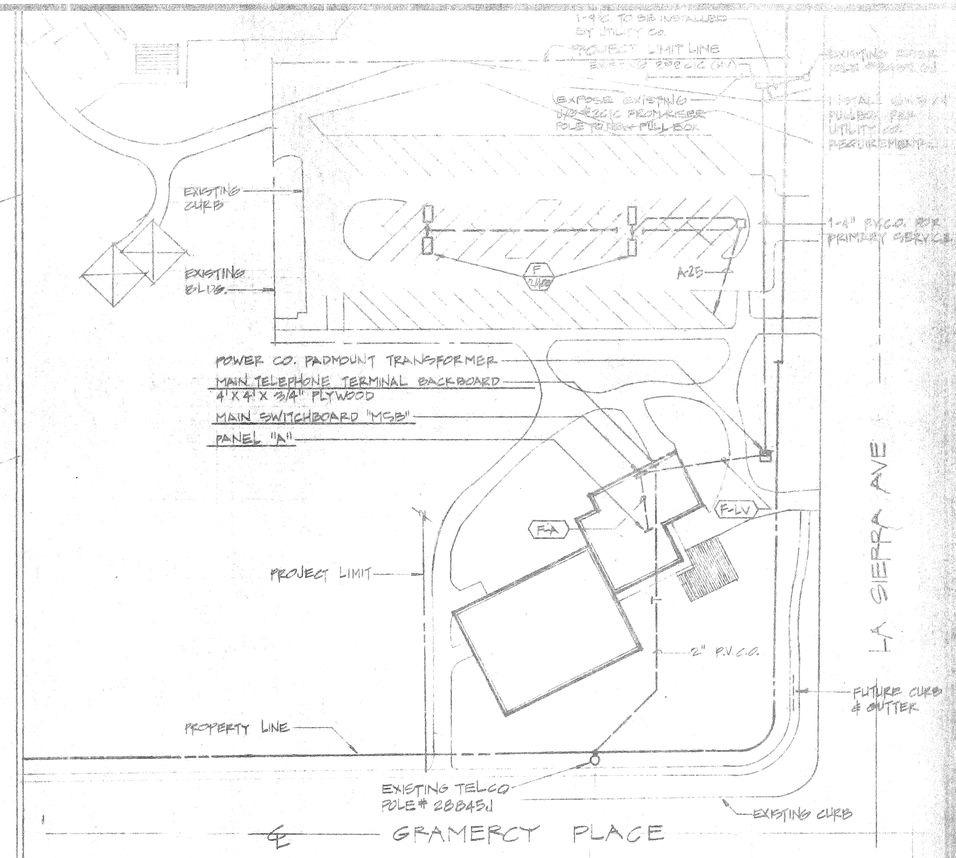
OF 38



REID PARK

SCALE 1"=40'

N



LA SIERRA PARK

SCALE 1"=40'

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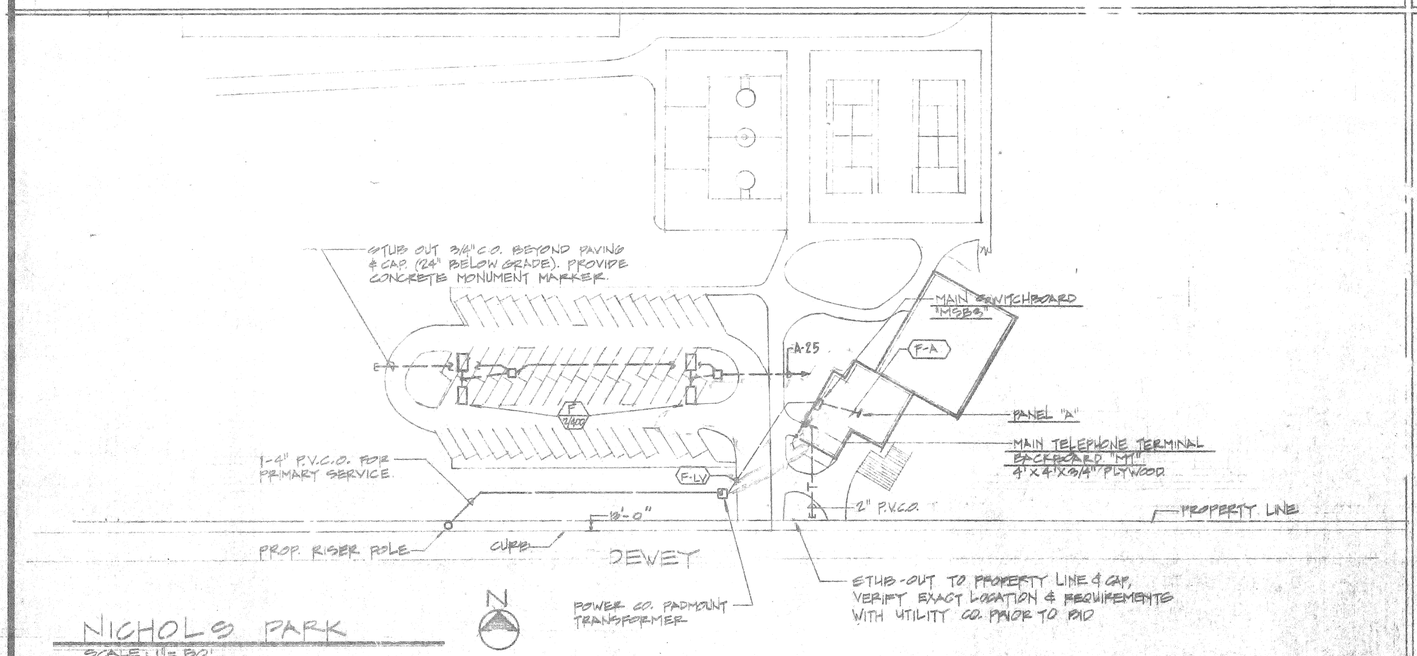


NICHOLS PARK

SCALE 1"=30'

N

VERIFY EXACT SERVICE LOCATION AND SERVICE REQUIREMENTS WITH THE FOLLOWING UTILITY COMPANIES PRIOR TO BID.(CONTINUED BELOW)*

POWER:
RIVERSIDE PUBLIC UTILITIES DEPT.
3900 MAIN ST.
RIVERSIDE, CA 92501
TEL: (714) 787-7491 ROBERT R. SPIRES

TELEPHONE:
PACIFIC TELEPHONE CO.
3079 ADAMS ST. RM. 211
RIVERSIDE, CA 92504
TEL: (714) 687-0090 G.L. SCOVILLE

* SHOULD THE UTILITY COMPANY SERVICE INFORMATION NOT BE AVAILABLE DURING THE BID TIME, THEN THE CONTRACTOR SHALL SPECIFICALLY STATE THE COST BEING EXCLUDED FROM HIS BID.

CAUTION

VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES WITH UTILITY COMPANIES PRIOR TO COMMENCING TRENCHING.

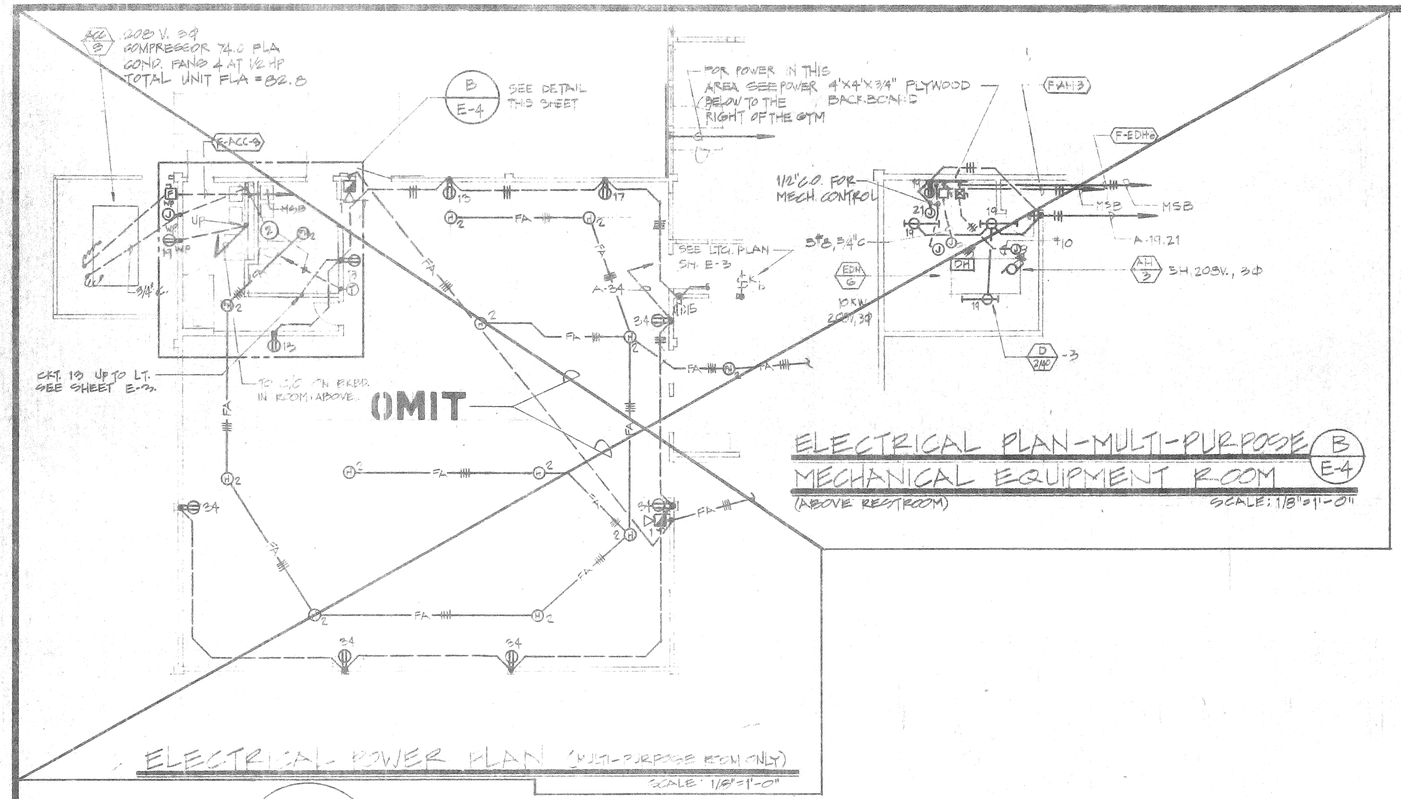
SHEET NOTES

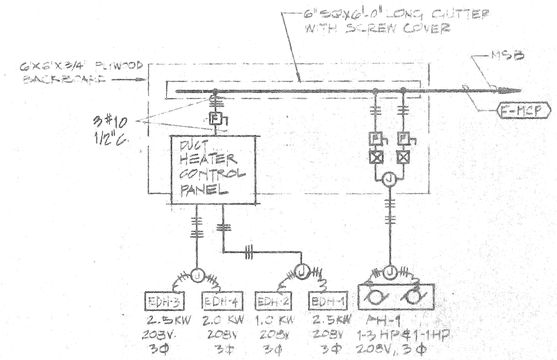
1. LIFT STATION CONTROL PANEL, STAND MOUNTED, FOR DUPLEX PUMPS (2) 1 1/2 H.P. 208V., 3 Ø RUN 1-3" CONDUIT FROM CONTROL PANEL UNDERGROUND INTO SIDE OF SUMP FOR PUMP CORD (CORD FURNISHED WITH PUMP) TERMINATE AT SUMP IN W.P. BOX WITH CORD GRIPS MOUNTED INSIDE WALL OF SUMP. INSTALL SEAL "OFF" FITTING WITHIN 18" OF BOTTOM OF CONTROL PANEL. ALL WORK SHALL CONFORM TO HAZARDOUS LOCATION CLASS I, DIVISION I. REFER TO PLUMBING PLANS FOR EXACT LOCATION OF LIFT STATION SUMP & CONTROL PANEL. VERIFY POINT OF CONDUIT ENTRY AT SUMP & REQUIREMENTS WITH PUMP INSTALLER PRIOR TO INSTALLATION.

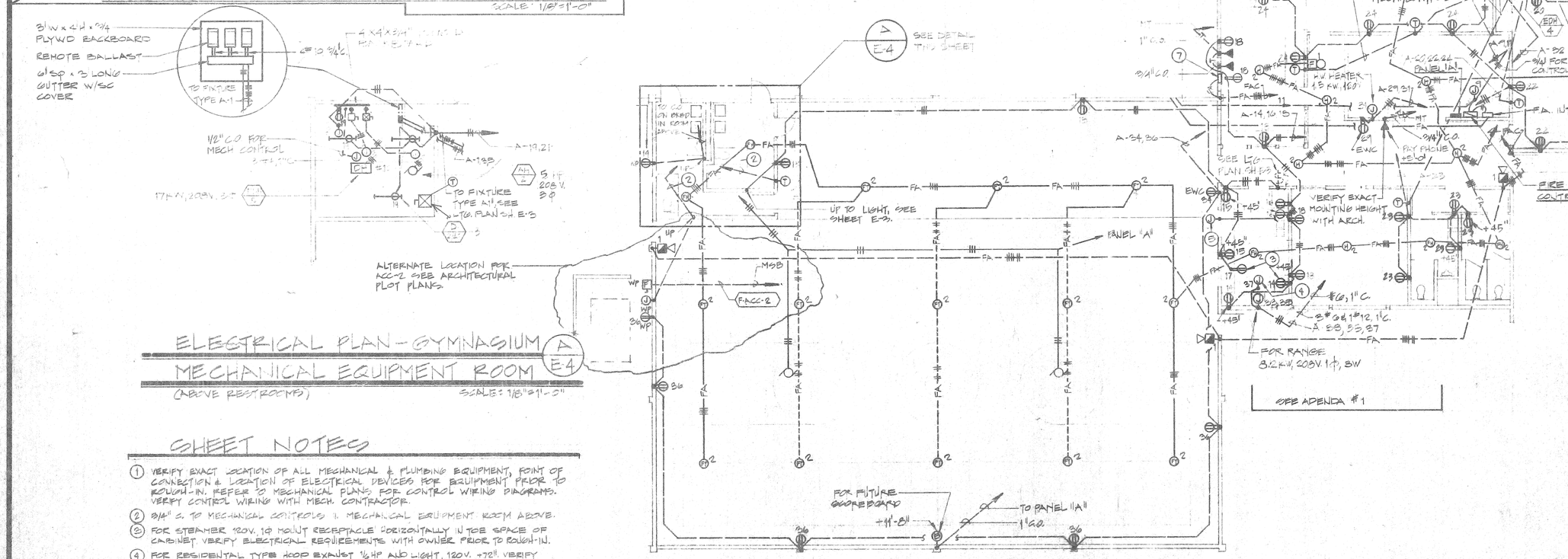
REGISTERED PROFESSIONAL ENGINEER
JOHN R. WEST
NO. 8263
ELECTRICAL
STATE OF CALIFORNIA

E. WARREN SMITH
R. C. WEST
ARCHITECTS
ARCHITECTURE & ENGINEERING
TEL: (714) 683-7373
RIVERSIDE, CALIFORNIA

ELECTRICAL SITE PLANS







SHEET NOTES

1. VERIFY EXACT LOCATION OF ALL MECHANICAL & PLUMBING EQUIPMENT, POINT OF CONNECTION & LOCATION OF ELECTRICAL DEVICES FOR EQUIPMENT PRIOR TO ROUGH-IN. REFER TO MECHANICAL PLANS FOR CONTROL WIRING DIAGRAMS. VERIFY CONTROL WIRING WITH MECH. CONTRACTOR.
2. 3/4" C. TO MECHANICAL CONTROLS IN MECHANICAL EQUIPMENT ROOM ABOVE.
3. FOR STEAMER 120V. 1Φ MOUNT RECEPTACLE HORIZONTALLY IN TOE SPACE OF CABINET. VERIFY ELECTRICAL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
4. FOR RESIDENTAL TYPE HOOD EXHAUST 1/6 HP AND LIGHT, 120V. +72". VERIFY MOUNTING & ELECTRICAL & ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN & CONNECT AS REQUIRED.
5. F.A. SYSTEM RADIO ALARM TRANSMITTER (W.P.), +5'-0". EXTEND 3/4"C. WITH COAX CABLE FROM TRANSMITTER UP TO ANTENNA MOUNTED ABOVE ROOF. VERIFY ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
6. FOR SECURITY ALARM SYSTEM, +60".
7. REMOTE FIRE ALARM TROUBLE STATION EQUAL TO SIMPLEX 4230SB AUX IN 8836-140 CABINET, FLUSH MOUNTED. CENTER ON WINDOW HORIZONTALLY & BETWEEN WINDOWS VERTICALLY

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIFORNIA
TELE. (714) 785-9764

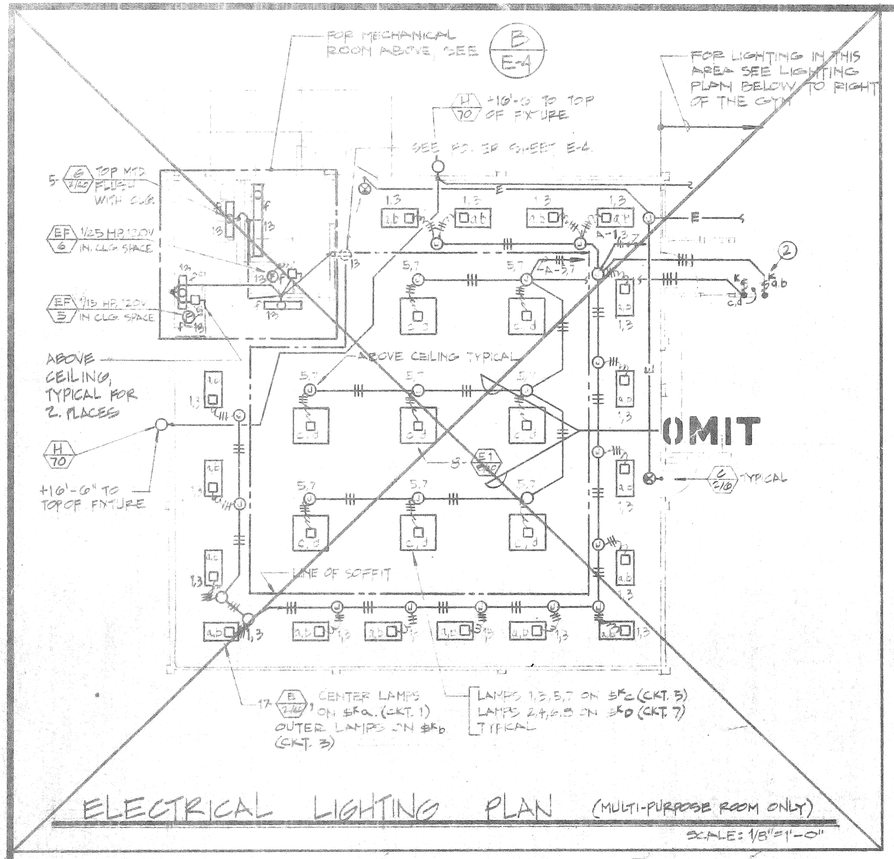
ELECTRICAL POWER PLAN

PROTOTYPE COMMUNITY RECREATION CENTER

CITY OF RIVERSIDE
PARKS & RECREATION DEPARTMENT

DATE APRIL 27, 1973
DRAWN RB
CHECKED
REVISED

DRAWING NUMBER
E-2
OF 5 SHEETS

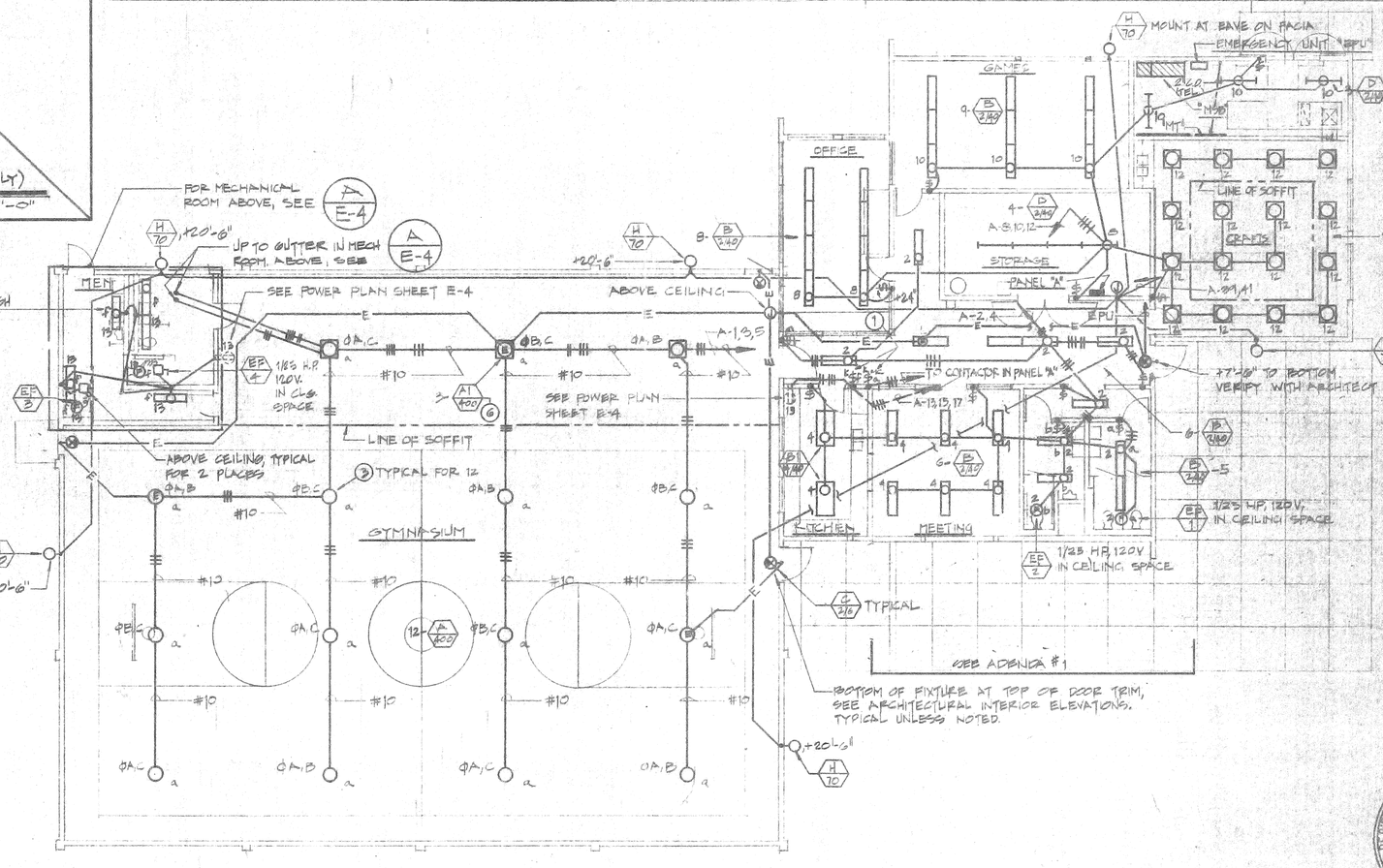


ELECTRICAL LIGHTING PLAN (MULTI-PURPOSE ROOM ONLY)

SCALE: 1/8"=1'-0"

LIGHTING FIXTURE SCHEDULE — SEE NOTE (5)

TYPE	DESCRIPTION	LAMPS	LOAD	MFG. & CATALOG NUMBER
A 400	30" SQUARE SURFACE MOUNTED METAL HALIDE UNIT WITH STEEL HOUSING, REFRACTIVE GRID DIFFUSER WITH OPTICAL INTERFACE, WIRE GUARD AND INTEGRAL 208V. BALLAST. PROVIDE 250W. QUARTZ LAMP SOCKET & SWITCHING CIRCUIT WHERE NOTED ON PLANS.	1-400W METAL HALIDE RATED FOR 40,000 LUMENS & 1-250W. QUARTZ WHERE NOTED ON PLANS.	480	HOLOPHANE #5-2104-208-Y-STR-SWG/EMLR WHERE INDICATED EMERGENCY UNIT). OR EQUAL
A1 400	SAME AS TYPE "A" EXCEPT RECESSED 2'X2' UNIT WITH REMOTE BALLAST	SAME AS TYPE "A"	480	HOLOPHANE #6-2104-208-Y-SWG-RBS-208 (EMLR WHERE INDICATED EMERGENCY UNIT). OR EQUAL.
B 240	SURFACE MOUNTED NOM. 1'X4' FLUORESCENT UNIT, STEEL HOUSING, PRISMATIC ACRYLIC LENS. WHITE HOUSING FINISH.	2-F40-WW	100	GUTH #[illegible] KEENE #[illegible] DAYBRITE #[illegible] OR EQUAL
B1 240	SAME AS TYPE "B" EXCEPT NOMINAL 18"X4' UNIT.	4-F40-WW	200	GUTH #ACR[illegible] KEENE #[illegible] DAYBRITE #[illegible] OR EQUAL
C 240	FLUORESCENT EXIT LIGHT WITH DOWNLIGHT. STENCIL FACE WITH RED OR GREEN LETTERS AS REQUIRED PER APPLICABLE CODES & ORDINANCES. ARROWS & MOUNTING AS INDICATED ON PLANS.	2-F6T5	38	PRESCOLITE #7300 SERIES. MARCO #EXTRUDED ALUMINUM 4" SERIES. N. PHILBEN SO LINE OR EQUAL.
D 240	FLUORESCENT STRIPLIGHT WITH WIRE GUARD. SURFACE MOUNTED OR CHAIN HUNG WITH 1/0 TENSO CHAIN WHERE NOTED ON PLANS.	2-F40-WW	100	LUTHONIA #C240 ACME #2220-40 PRUDENTIAL #P-122-[illegible]-HS OR EQUAL
E 240	FLUORESCENT 2'X4' UNIT DIFFUSER STEEL BODY, PRISMATIC ACRYLIC LENS. PAINTED REFLESSEL OPEN DOWN.	4-F40-WW	200	GUTH #FS12494-G-ACK1, COLUMBIA, DAYBRITE OR EQUAL
E1 240	SAME AS TYPE "E" EXCEPT 4'X4' UNIT WITH PRISMATIC ACRYLIC DARK BRONZE LENS.	3-F40-WW	400	GUTH #FS14484-G-ACK1, COLUMBIA, DAYBRITE OR EQUAL.
E2 240	SAME AS TYPE "E" EXCEPT 2'X2' UNIT.	2-F40"U"WW	100	GUTH #FS14484-G-ACK1, COLUMBIA, DAYBRITE OR EQUAL.
F 240	TWO RECTILINEAR LUMINAIRES WITH INTEGRAL 208V. REGULATED HPF BALLAST, MOUNTED ON SQUARE ALUMINUM POLE, BRONZE ANODIZED FINISH, MOUNTED 20'-0" ABOVE FINISHED GRADE. SEE DETAIL A/E-5	2-400 WATT H.P.S.	480	GARDCO #C1923-208-400-HPS-BRA & POLE #C49-18-BRONZE ANODIZED FINISH. KIM. MCPHILBEN, STERNER OR EQUAL
F1 400	~~SAME AS TYPE "F" EXCEPT WITH 1 LUMINAIRE.~~ NOT USED	400 WATT H.P.S.	480	GARDCO ~~#C1913-208-400-HPS-BRA & POLE #C49-18-BRONZE ANODIZED FINISH. KIM. MCPHILBEN, STERNER OR EQUAL.~~
G 240	SURFACE MOUNTED CORNER FLUOR. FIXTURE. HIGH IMPACT ACRYLIC LENS, TAMPERPROOF.	2-F40-WW	100	PRUDENTIAL #P5402-48-B2TP ALKCO #8642-TP, OR EQUAL
H 70	WALL PACK UNIT, PRISMATIC GLASS REFRACTOR, DIE CAST ALUMINUM HOUSING. CAST ALUM. GUARD. SAFETY CHAIN BETWEEN HOUSING & DOOR. INTEGRAL 208V. HPF AUTOTRANSFORMER BALLAST DARK BRONZE HOUSING & GUARD.	70W HPS	115	HOLOPHANE #419-208-TP-0108-BZ3 DIVINE OR EQUAL



ELECTRICAL LIGHTING PLAN (WITH GYMNASIUM)

SCALE: 1/8"=1'-0"

SHEET NOTES

1. SWITCH ΦC, ΦD ONLY ON RECREATION CENTERS WITH GYMNASIUMS.
2. SWITCH ΦC, ΦD ONLY ON RECREATION CENTERS WITH MULTI-PURPOSE ROOMS.
3. FIXTURE TYPE "A" SHALL BE MOUNTED PARALLEL TO THE FLOOR.
4. VERIFY MOUNTING REQUIREMENTS FOR ALL RECESSED LIGHTING FIXTURES PRIOR TO ORDERING FIXTURES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND COORDINATE WITH CEILING CONTRACTOR.
5. VERIFY MOUNTING REQUIREMENTS WITH CEILING INSTALLER PRIOR TO ORDERING LIGHT FIXTURES
6. FIXTURES SHALL BE BOXED IN TO MAINTAIN 1HR RATING OF CEILING

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 781-9764

ELECTRICAL LIGHTING PLAN

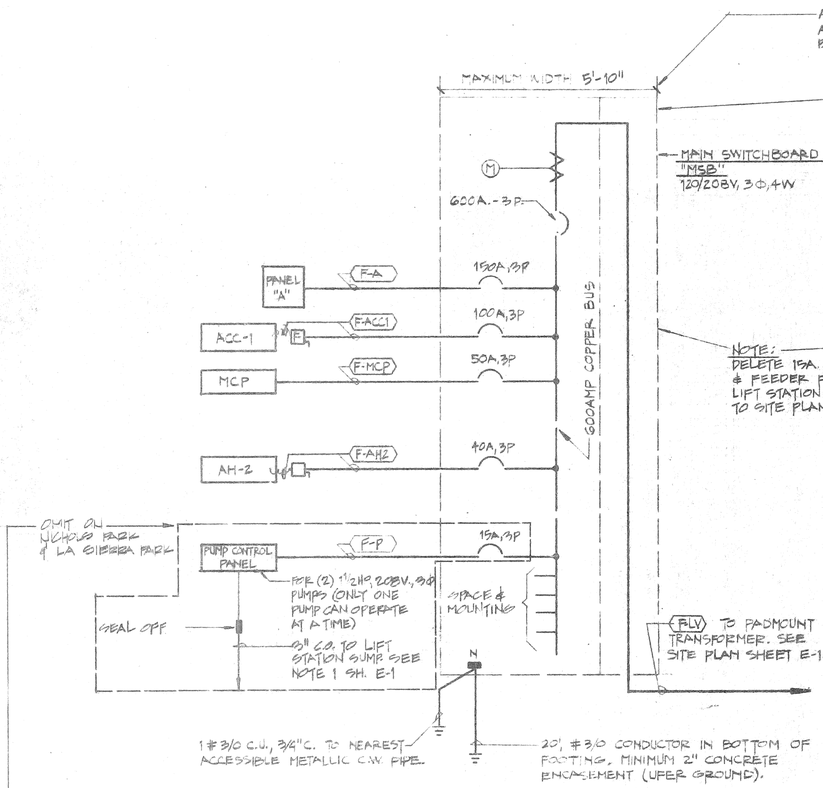
PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE
PARK & RECREATION DEPARTMENT

REGISTERED PROFESSIONAL ENGINEER — JOHN R. [illegible] — NO. 8269 — ELECTRICAL — STATE OF CALIFORNIA

DATE APRIL 27, 1978
DRAWN RB
CHECKED
REVISED

E-3

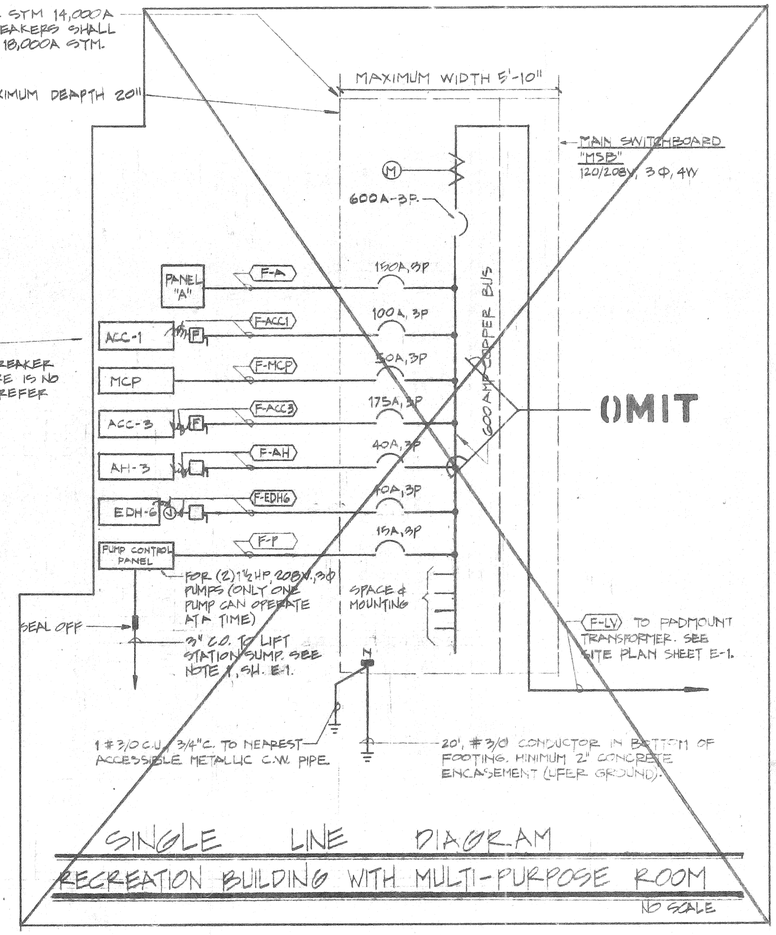
OF 5 SHEETS



SINGLE LINE DIAGRAM

RECREATION BUILDING WITH GYMNASIUM

NO SCALE



SINGLE LINE DIAGRAM

RECREATION BUILDING WITH MULTI-PURPOSE ROOM

NO SCALE

GYMNASIUM

FEEDER SCHEDULE

FEEDER	SERVES	LOAD KVA	LOAD LCL AMPS*	VOLTAGE	CONDUIT AND WIRE
F-LV	MAIN SWBD. "MSB"	*103.0	*471	120/208V, 3Φ, 4W	2-3" P.V.C.O.
F-ACC1	ACC-1	16.8	59	208V, 3Φ	3 #4, 1" C.
F-MCP	MCP	13.3	46	↓	3 #6, 1" C.
F-ACC2	ACC-2	40.6	141	↓	3 #1/0, 1 1/2" C.
F-AH-2	AH-2	6.0	21	↓	3 #10, 1/2" C.
F-EDH-5	EDH-5	17.0	59	↓	3 #4, 1" C.
F-A	PANEL "A"	45.9	145	120/208V, 3Φ, 4W	4 #1/0, 2 1/2" C.
F-P	LIFT STA. PUMPS	2.1	6	208V, 3Φ	3 #12, 1/2" C.

* 125% LCL AMPS + NCL AMPS

* FOR SITES WITHOUT LIFT STATIONS, SITES HAVING LIFT STATIONS KVA=141 & LCL AMPS=471 SEE SITE PLANS SH. E-1 FOR LOCATION OF LIFT STATIONS.

MULTI-PURPOSE ROOM

FEEDER SCHEDULE

FEEDER	SERVES	LOAD KVA	LOAD LCL AMPS*	VOLTAGE	CONDUIT AND WIRE
F-LV	MAIN SWBD "MSB"	*121.8	*412	120/208V, 3Φ, 4W	1-3" P.V.C.O.
F-ACC-1	ACC-1	16.8	59	208V, 3Φ	3 #4, 1" C.
F-MCP	MCP	13.3	46	↓	3 #6, 1" C.
F-ACC-3	ACC-3	31.7	110	↓	3 #1 ~~1 1/4" C.~~ OMIT
F-AH-3	AH-3	6.0	21	↓	3 #10, 1/2" C.
F-EDH-6	EDH-6	10.0	35	↓	3 #8, 3/4" C.
F-A	PANEL "A"	44.7	136	120/208V, 3Φ, 4W	4 #1/0, 2 1/2" C.
F-P	LIFT STA. PUMP	2.1	6	208V, 3Φ	3 #12, 1/2" C.

* 125% LCL AMPS + NCL AMPS

* FOR SITES WITHOUT LIFT STATIONS, SITES HAVING LIFT STATIONS KVA=123.9 & LCL AMPS=412 SEE SITE PLANS SH. E-1 FOR LOCATION OF LIFT STATIONS.

SYMBOL LIST

SYMBOL	DESCRIPTION
	CEILING OUTLET
	WALL OUTLET
	RECESSED FLUORESCENT LIGHT FIXTURE
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
	SURFACE OR CHAIN HUNG STRIPLIGHT FIXTURE
	RECESSED INCANDESCENT OR MERCURY VAPOR LIGHT FIXTURE
	EXIT LIGHT FIXTURE, DARKENED AREA INDICATES FACE (LT.
E	LIGHTING FIXTURE ON EMERGENCY CIRCUIT
	POST LIGHT, SINGLE LUMINAIRE
	POST LIGHT, DOUBLE LUMINARES
a,b a,b	OUTLETS WITH DESIGNATION OF CONTROL SWITCHES
$	SINGLE POLE FLUSH TOGGLE SWITCH +42" UNLESS NOTED
$K	KEY OPERATED SWITCH +42" UNLESS NOTED.
$MC	MOMENTARY CONTACT SWITCH, +42" UNLESS NOTED.
$a,b	GANGED SWITCHES WITH DESIGNATION OF OUTLETS CONTROLLED
J	JUNCTION BOX +12" UNLESS NOTED
F	FAN, CONNECT AS REQUIRED
	MOTOR, CONNECT AS REQUIRED
	COMBINATION FUSED SWITCH & MAGNETIC MOTOR STARTER SIZED PER EQUIPMENT MANUFACTURERS INSTRUCTIONS.
	DISCONNECT SWITCH, NON FUSED, SIZE AND NUMBER OF POLES AS REQUIRED
F	DISCONNECT SWITCH, FUSED, SIZE AND NUMBER OF POLES AS REQUIRED. FUSES SHALL BE SIZED FOR EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
	BRANCH CIRCUIT CONDUIT CONCEALED IN WALL OR CEILING
	BRANCH CIRCUIT CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	BRANCH CIRCUIT CONDUIT RUN EXPOSED
	FLEX CONDUIT
A-3	HOMERUN TO PANEL BOARD WITH PANEL CIRCUIT DESIGNATED
	2 #12, 1/2"C. / 3 #12, 1/2"C. / 4 #12, 1/2"C. / 5 #12, 3/4"C. / 6 #12, 3/4"C. / 7 #12, 3/4"C.
E	EMERGENCY SYSTEM CONDUIT
T	TELEPHONE SYSTEM CONDUIT
	LIGHTING PANEL, SURFACE MOUNTED
	SWITCHBOARD
	PLYWOOD BACKBOARD
	DUPLEX CONVENIENCE RECEPTACLE, +12" UNLESS NOTED
	CLOCK HANGER OUTLET
	TELEPHONE OUTLET
DH	ELECTRIC DUCT HEATER, CONNECT AS REQUIRED
B 2/40	LIGHTING FIXTURE CALL OUT (IE "B" DENOTES FIXTURE TYPE; 2/40 DENOTES 2-40 WATT LAMPS).
AH 2	MECHANICAL EQUIPMENT DESIGNATION
1	NOTE REFERENCE
C.O.	CONDUIT ONLY
MH=8'-0" etc.	OUTLET MOUNTING HEIGHT, FINISH FLOOR TO BOTTOM OF FIXTURE
+24" etc.	OUTLET MOUNTING HEIGHT, FINISH FLOOR OR GRADE TO CENTERLINE OF OUTLET
CKT	CIRCUIT
W.P.	WEATHER PROOF
F-A	FEEDER DESIGNATION
EWC	ELECTRIC WATER COOLER
C/O	CONVENIENCE OUTLET
ZONE 1	FIRE ALARM MANUAL REPORTING STATION, +48" WITH FIRE ALARM HORN AT +72", WALL MOUNTED
1	FIRE ALARM HORN WALL MOUNTED, +72"
ZONE 2	FIXED TEMPERATURE 135° THERMODETECTOR & OUTLET BOX CEILING MOUNTED
ZONE 2	FIXED TEMPERATURE 117° THERMODETECTOR & OUTLET BOX. CEILING MOUNTED UNLESS NOTED.
ZONE 2	RATE OF RISE AND FIXED TEMPERATURE 135° THERMODETECTOR & OUTLET BOX. CEILING MOUNTED
	FIRE ALARM CONTROL PANEL

E. WARREN BRUCE
ARCHITECT
5370 MAGNOLIA AVE.
RIVERSIDE, CALIF.
TELE. (714) 782-6756
A.I.A.

SINGLE LINE DIAGRAM FEEDER SCHEDULE & SYMBOL LIST

PROTOTYPE RECREATION CENTER

COMMUNITY SERVICES DEPARTMENT

CITY OF RIVERSIDE
PARKS & RECREATION DEPARTMENT

DATE APRIL 27, 1979
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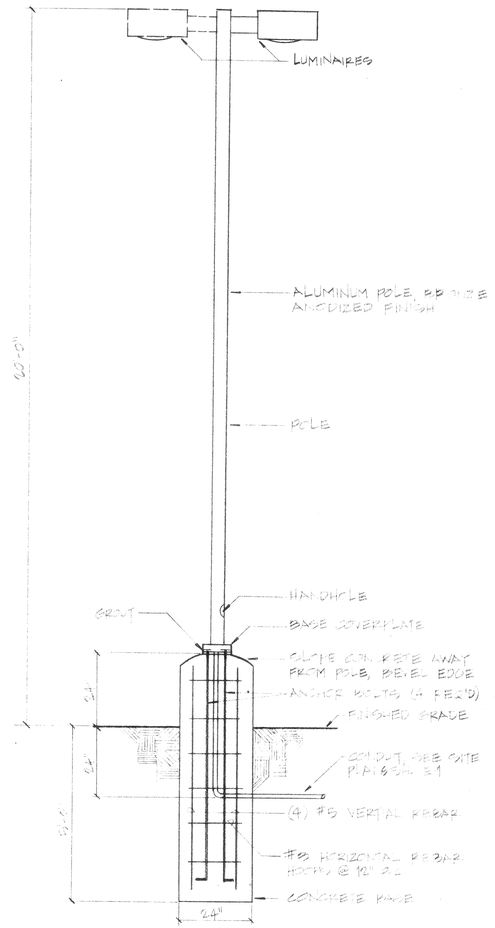
REVISED

E-4

OF 5 SHEETS



A / E-5 MOUNTING DETAIL FIXTURE F / 2.40

MULTI-PURPOSE ROOM

MOUNTING SURFACE — PANEL "A" — MAIN LUGS ONLY

120/208 VOLTS 3 PHASE 4 WIRE — BUS 225

	WATTAGE øA	WATTAGE øB	WATTAGE øC	OTHER	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	OTHER	WATTAGE øA	WATTAGE øB	WATTAGE øC	
	1200			MULTI-PURPOSE		17	1	20	1		2	20	1	10		EF-1,2	1200			L.O.
		1700		BORDER		17			3		4				8	MULTI-PURPOSE & KITCHEN		1000		
			600	BORDER		8			5		6					SPARE			600	
	1600			CENTER		8			7		8				12	OFFICE	1200			
L.O.		600		EF					9		10				12	MULTI-PURPOSE & KITCH		1200		
L.O.			600	FAN					11		12				16	LIGHTS			1600	
	1440			EF-3,4	3	5			13		14				2	KITCHEN	1000			
		1000		KITCHEN	2				15		16				2	KITCHEN		1000		
			1000	CLEANUP	1				17		18				6	KITCHEN & DINING			1080	
	240			MECH. RM.	2				19		20				6	LIGHTS	1080			
		500		MECH. CONTROL	2				21		22				1	TELCO		500		
			900	MEETING RM.	4				23		24				6	OFFICE & MEETING			1080	
TS-1	1200			PARKING		5	2	20	25		26					KITCHEN CANOPY	1200			L.O.
		1200					—	—	27		28					EPU		1000		L.O.
			500	EWC			1	20	29		30				1	TELCO			500	L.O.
	1000			WATER HEATER			1	20	31		32					MECH. CONTROL	500			L.O.
		4100		RANGE			2	60	33		34				5	HOOD		900		
			4100				—	—	35		36					SPARE			500	
	500			HOOD			1	20	37		38					SECURITY	500			
TS-2		998		EXTR. LTG.			2	20	39		40					SPARE		100		
			980				—	—	41		42								500	
	8700	10498	9760							WATTS/LINE							6180	6700	5760	

TOTAL WATTS = 44,076 — AMPS/LINE 105 — 125% LCL AMPS = 176

øA = 14,960 W — øB = 14,998 W — øC = 14,728 W

TS #1 & 2 = 40A, 120V, DAILY TIME SWITCH WITH ASTRO DIAL (TORK #7200Z OR EQUAL BY PARAGON OR INTERMATIC). MOUNT TIME SWITCH AND CONTACTOR IN SEPARATE COMPARTMENT OF PANEL UNDER HINGED, LOCKABLE DOOR.

L.O. = PROVIDE LOCK "ON" DEVICE

GYMNASIUM

MOUNTING SURFACE — PANEL "A" — MAIN LUGS ONLY

120/208 VOLTS 3 PHASE 4 WIRE — BUS 225

	WATTAGE øA	WATTAGE øB	WATTAGE øC	OTHER	REC	LTG	POLE	BKR	CIR		CIR	BKR	POLE	LTG	REC	OTHER	WATTAGE øA	WATTAGE øB	WATTAGE øC	
	240			GYM		15	3	20	1		2	20	1	10		EF-1,2	1400			L.O.
L1		400					—	—	3		4				8	MULTI-PURPOSE & KITCHEN		1000		
			2400				—	—	5		6					STAGE			600	
	600			SPARE			1	20	7		8				12	OFFICE	1200			
L.O.		600		FAN					9		10				12	MULTI-PURPOSE & KITCH		1200		
L.O.			600	FAN					11		12				16	LIGHTS			1600	
	1440			EF-3,4	2	5			13		14				2	KITCHEN	1000			
		1000		KITCHEN	2				15		16				2	KITCHEN		1000		
			1000		1				17		18				6	KITCHEN & DINING			1080	
	240			MECH. ROOM	2	3			19		20				6	LIGHTS	1080			
L.O.		500		MECH. CONTROL					21		22				4	LIGHTS		900		
			900	MEETING	4				23		24				6	OFFICE & MEETING			1080	
TS-1	1200			PARKING		5	2	20	25		26					KITCHEN CANOPY	1200			L.O.
		1200					—	—	27		28					EPU		1000		L.O.
			500	EWC			1	20	29		30					TELCO			500	L.O.
	1000			WATER HEATER					31		32					MECH. CONTROL	500			L.O.
		4100		RANGE					33		34					EWC		500		L.O.
			4100						35		36				5	GYM			900	
	500			HOOD	1				37		38					SECURITY	500			
TS-2		945		EXTR. LTG.		0	2	20	39		40					SPARE		100		
			945				—	—	41		42								100	
	8200	10445	11045							WATTS/LINE							6180	6100	5760	

TOTAL WATTS = 45,990 — AMPS/LINE 105 — 125% LCL AMPS 140

øA = 14,080 — øB = 16,145 — øC = 15,405 — NEUTRAL AMPS

L1 = 30A, 3P, MECHANICALLY HELD CONTACTOR (SQUARE "D" #MC11, ASCO OR EQUAL) CONTROLLED FROM MOMENTARY CONTACT SWITCH.

TS #1 & 2 = 40A, 120V, DAILY TIME SWITCH WITH ASTRO DIAL (TORK #7200Z OR EQUAL BY PARAGON OR INTERMATIC). MOUNT TIME SWITCH AND CONTACTOR IN SEPARATE COMPARTMENT OF PANEL UNDER HINGED LOCKABLE DOOR.

L.O. = PROVIDE LOCK 'ON' DEVICE

E. WARREN BRUCE
ARCHITECT A.I.A.
6370 MAGNOLIA AVE.
RIVERSIDE, CA. 92506
TELE. (714) 782-5764

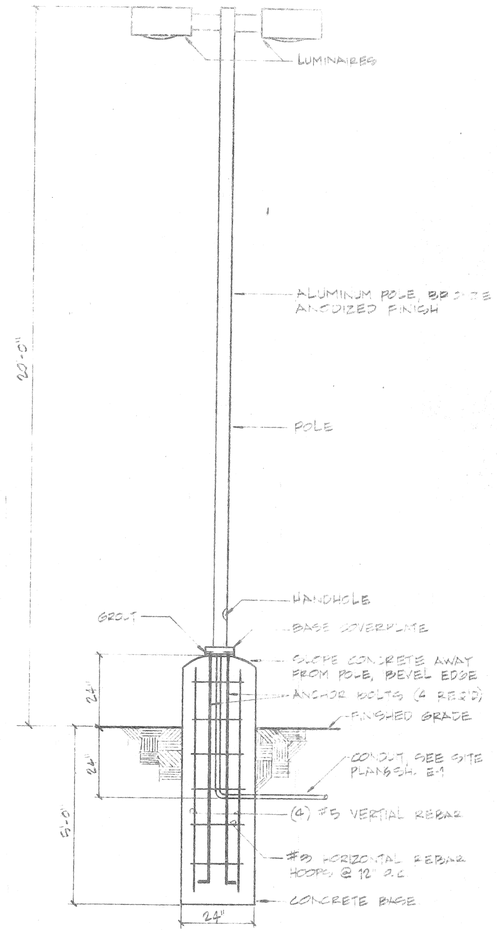
PANEL SCHEDULES

PROTOTYPE COMMUNITY RECREATION CENTER
CITY OF RIVERSIDE PARKS AND RECREATION DEPARTMENT

DATE APRIL 27, 1978
DRAWN
CHECKED
REVISED APRIL 26, 1978
JOB 76202

RANDALL / LAMB / ASSOCIATES
CONSULTING ELECTRICAL ENGINEERS
11696 Sorrento Valley Road San Diego, CA 92121
(714) 453-4903
A Division of Randall and Press Engineering

E-5



A
E-5

MOUNTING DETAIL FIXTURE

E
2/40

PLANS

MOUNTING SURFACE PANEL

120/208 VOLTS 3 PHASE 4 WIRE

	WATTAGE #A	WATTAGE #B	WATTAGE #C	OTHER	REC	1	2	3	CKT	WIRE	AMPS	CKT	WIRE	AMPS
	1200			[illegible]					1			2		
		1200		[illegible]					3			4		
			1600	[illegible]					5			6		
	1600			[illegible]					7			8		
LQ		200		FAN					9			10		
LQ			600	FAN					11			12		
	1440			EF-2					13			14		
		1080		KITCH					15			16		
			1800	KITCH					17			18		
	840			MECH					19			20		
		500		MECH					21			22		
			800	[illegible]					23			24		
TS-1	1200			PARKING					25			26		
		1200							27			28		
			600	EWC					29			30		
	1600			WIND					31			32		
		4100		RANGE					33			34		
			4100						35			36		
	800			HOOD					37			38		
TS-2		780		EXTR LGHT					39			40		
			780						41			42		
	8780	12880	9460											

TOTAL WATTS = 44,676

ΦA = 14,960 W

TS #1 & 2 = 40A, 120V, DPST TIME SWITCH OR EQUAL BY PARAGON AND CONTACTOR IN SEPARATE HINGED LOCKABLE DOOR

LQ = PROVIDE LOCK 'ON' DEVICE

GYMNASIUM

MOUNTING SURFACE PANEL

120/208 VOLTS 3 PHASE 4 WIRE

	WATTAGE #A	WATTAGE #B	WATTAGE #C	OTHER	REC	1	2	3	CKT	WIRE	AMPS	CKT	WIRE	AMPS
C1	2400			GYM			15	3	1			2		
		2400							3			4		
			2400						5			6		
	800			SPARE					7			8		
LQ		800		FAN					9			10		
LQ			800	FAN					11			12		
	1200			EF-3&4	2	2			13			14		
		1200		KITCHEN	2				15			16		
			1000						17			18		
	840			MECH		3	3		19			20		
LQ		500		MECH					21			22		
			900	METERING	4				23			24		
TS-1	1200			PARKING		5	2	20	25			26		
		1200							27			28		
			600	EWC				20	29			30		
	1600			WIND					31			32		
		4100		RANGE					33			34		
			4100						35			36		
	800			HOOD	1				37			38		
TS-2		945		EXTR LGHT			20	20	39			40		
			945						41			42		
	8200	10945	9645											

TOTAL WATTS = 45,980

ΦA = 14,380 ΦB = 16,145

C1 = 30A, 3P, MECHANICALLY HELD CONTACTOR (OR EQUAL) CONTROLLED FROM MOMENTARY CONTACT

TS #1 & 2 = 40A, 120V, DPST TIME SWITCH WITH EQUAL BY PARAGON OR INTERMATIC) WITH CONTACTOR IN SEPARATE COMPARTMENT LOCKABLE DOOR.

LQ = PROVIDE LOCK 'ON' DEVICE