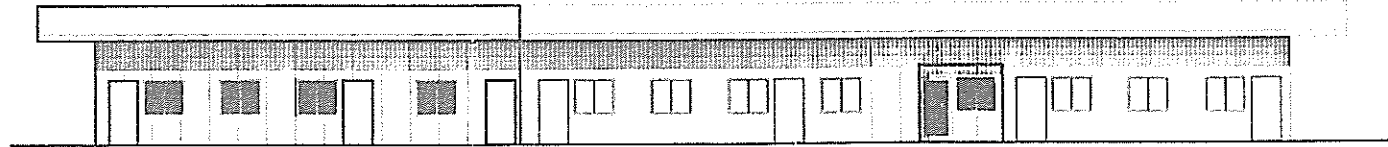


St. Stephen Evangelical Lutheran Church School Addition



west elevation

PROJECT DATA

OWNER: ST. STEPHEN EV. LUTHERAN CHURCH
1636 E. MISSION RD.
FALLBROOK, CA 92028

A.P.N.: 105-092-22

ACRES: 4.613

DATA: EXISTING SCHOOL BUILDING: 4810 S.F.
NEW AREA: 2703 S.F.
TOTAL: 7521 S.F.

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GENERAL NOTES

- GENERAL**
- CODES AND ORDINANCES SHALL BE THE MINIMUM REQUIREMENTS OF THE CONTRACT AND SHALL TAKE PRECEDENCE OVER CONTRACT DOCUMENTS EXCEPT WHERE SUCH DOCUMENTS EXCEED CODE AND ORDINANCE REQUIREMENTS.
 - CONTRACTOR SHALL VERIFY DIMENSIONS AND ON SITE CONDITIONS. NOTIFY ARCHITECT OF ANY AND ALL DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.

EARTHWORK

- GRADE SITE TO PROVIDE DRAINAGE AROUND NEW ADDITION. FOLIAGE, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE SITE. USEABLE TOPSOIL SHALL REMAIN AND BE DEPOSITED AS DIRECTED BY THE ARCHITECT.

DRYWALL

- DRYWALL SHALL BE GYPSUM WALLBOARD OF TYPES AND THICKNESS SHOWN ON FINISH SCHEDULE.

ROOFING

- ROOFING MATERIALS AS NOTED ON THE DRAWINGS SHALL BE CLASS C LABEL AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

GLAZING

- GLASS SHALL COMPLY WITH UBC TABLES 54-A, 54-B, 54-C AND 54-E.

HANDICAP ACCESSIBILITY

IF THE BUILDING INSPECTOR DETERMINES NONCOMPLIANCE WITH ANY CURRENT ACCESSIBILITY PROVISIONS OF THE LAW, HE/SHE SHALL REQUIRE SUBMITTAL OF COMPLETE AND DETAILED PLANS TO THE PLAN REVIEW DIVISION OF THE DEVELOPMENT SERVICES DEPARTMENT FOR FURTHER REVIEW. PLANS MUST CLEARLY SHOW ALL EXISTING CONDITIONS AFFECTED BY THE REMODEL (INCLUDING SITE PLAN, FLOOR PLANS, DETAILS, ETC.) AND PROPOSED MODIFICATIONS OF DEFICIENCIES TO MEET CURRENT ACCESSIBILITY PROVISIONS. THE PLANS MUST BE STAMPED BY THE FIELD INSPECTOR PRIOR TO SUBMITTAL FOR REVIEW.

I AM THE ARCHITECT IN RESPONSIBLE CHARGE OF THIS TENANT IMPROVEMENT PROJECT. I HAVE INSPECTED THE SITE AND DETERMINED THAT EXISTING CONDITIONS ARE IN FULL COMPLIANCE WITH CURRENT SITE ACCESSIBILITY REQUIREMENTS TO THE EXTENT REQUIRED BY LAW FOR PARKING AND ACCESSIBLE PATH TO ADDITION.

DAVID MARKWELL ALLEE, ARCHITECT

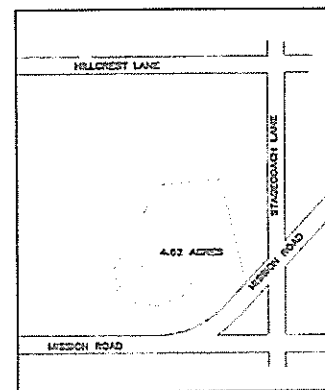
DATE

BUILDING CODE DATA LEGEND

THIS PROJECT SHALL COMPLY WITH TITLE 24 AND THE 1997 UNIFORM BUILDING CODE, UNIFORM MECHANICAL CODE, AND UNIFORM PLUMBING CODE AND THE 1996 NATIONAL ELECTRIC CODE.

USE	OCCUPANCY	TYPE	AREA	AREA ALLOWED	REMARKS
SCHOOL	E-3 (NEW)	V-N F.S.	2,711 S.F.		
	E-3 (EXISTING)		4,835 S.F.		
	TOTAL		7,546 S.F.	9,100 S.F.	TABLE 5-B

FIRE RESISTIVE CONSTRUCTION	TYPE-V N	REMARKS
BEARING WALLS - EXTERIOR	N	TABLE 6-A
BEARING WALLS - INTERIOR	N	
NONBEARING WALLS - EXTERIOR	N	
STRUCTURAL FRAME	N	
PARTITIONS	N	
SHAFT ENCLOSURES	1 HR	
FLOOR/CEILINGS	N	
ROOF/CEILINGS	N	
EXTERIOR DOORS AND WINDOWS	N	TABLE 5-A



VICINITY MAP

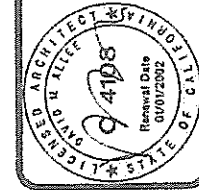
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DRAWING INDEX

A1 GENERAL NOTES / PROJECT DATA	- WEDGCOOR INC. COVER
A2 SITE PLAN	A1 WEDGCOOR INC. ANCHOR BOLTING SETTING PLAN
A3 FLOOR PLAN	A2 WEDGCOOR INC. DETAILS
A4 SCHEDULES	A3 WEDGCOOR INC. DETAILS
A5 EXTERIOR ELEVATIONS	E1 WEDGCOOR INC. ELEVATIONS
A6 ROOF PLAN	E2 WEDGCOOR INC. ELEVATIONS
A7 LIGHT GAUGE STEEL FRAMING	E3 WEDGCOOR INC. ELEVATIONS
A8 CROSS SECTIONS / DETAILS	E4 WEDGCOOR INC. ROOF FRAMING PLAN
A9 DETAILS	E5 WEDGCOOR INC. ELEVATIONS
A10 PAVILION PLAN / ELEVATIONS	E6 WEDGCOOR INC. ELEVATIONS
A11 HANDICAP ACCESS / ROUTE / PARKING	E7 WEDGCOOR INC. ROOF SHEETING PLAN
A12 HANDICAP ACCESS / ENTRANCES / DOORS	E8 WEDGCOOR INC. CROSS SECTION
A13 HANDICAP ACCESS / SANITARY FACILITIES	E9 WEDGCOOR INC. CROSS SECTION
S1 STRUCTURAL DETAILS/ NOTES	G1 WEDGCOOR INC. DETAILS
S2 FOUNDATION PLAN	G2 WEDGCOOR INC. DETAILS
	G3 WEDGCOOR INC. DETAILS
	G4 WEDGCOOR INC. DETAILS
	G5 WEDGCOOR INC. DETAILS
	G6 WEDGCOOR INC. DETAILS
	G7 WEDGCOOR INC. DETAILS
	G8 WEDGCOOR INC. DETAILS
	G9 WEDGCOOR INC. DETAILS
P1 PLUMBING NOTES	E1 UNIVERSAL STEEL STRUCTURES GENERAL NOTES
P2 PLUMBING SITE PLAN	E2 UNIVERSAL STEEL STRUCTURES ROOF FRAMING PLAN
P3 PLUMBING PLAN	E3 UNIVERSAL STEEL STRUCTURES ELEVATIONS
	E4 UNIVERSAL STEEL STRUCTURES DETAILS
	E5 UNIVERSAL STEEL STRUCTURES CROSS SECTION
	E6/L UNIVERSAL STEEL STRUCTURES CROSS SECTION
	F1/L UNIVERSAL STEEL STRUCTURES ANCHOR BOLTING
M1 HVAC ROOF PLAN	
M2 HVAC DUCTING PLAN	
M3 HVAC NOTES	
E1 ELECTRICAL PLAN	
E2 SINGLE LINE DIAGRAM / PANEL SCHEDULES	
E3 ELECTRICAL NOTES	

FIRE PROTECTION

- PROVIDE AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE ENTIRE STRUCTURE IN ACCORDANCE WITH NFPA 13.
- PROVIDE AN APPROVED FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72.
- SUBMIT DRAWINGS OF SPRINKLER AND ALARMS SYSTEMS TO FIRE MARSHALL FOR APPROVAL PRIOR TO INSTALLATION.



David Markwell Allee
architect

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Saint Stephen
Lutheran Church School

Fallbrook, California

PROJECT

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MAC

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MCE

SCALE

DATE

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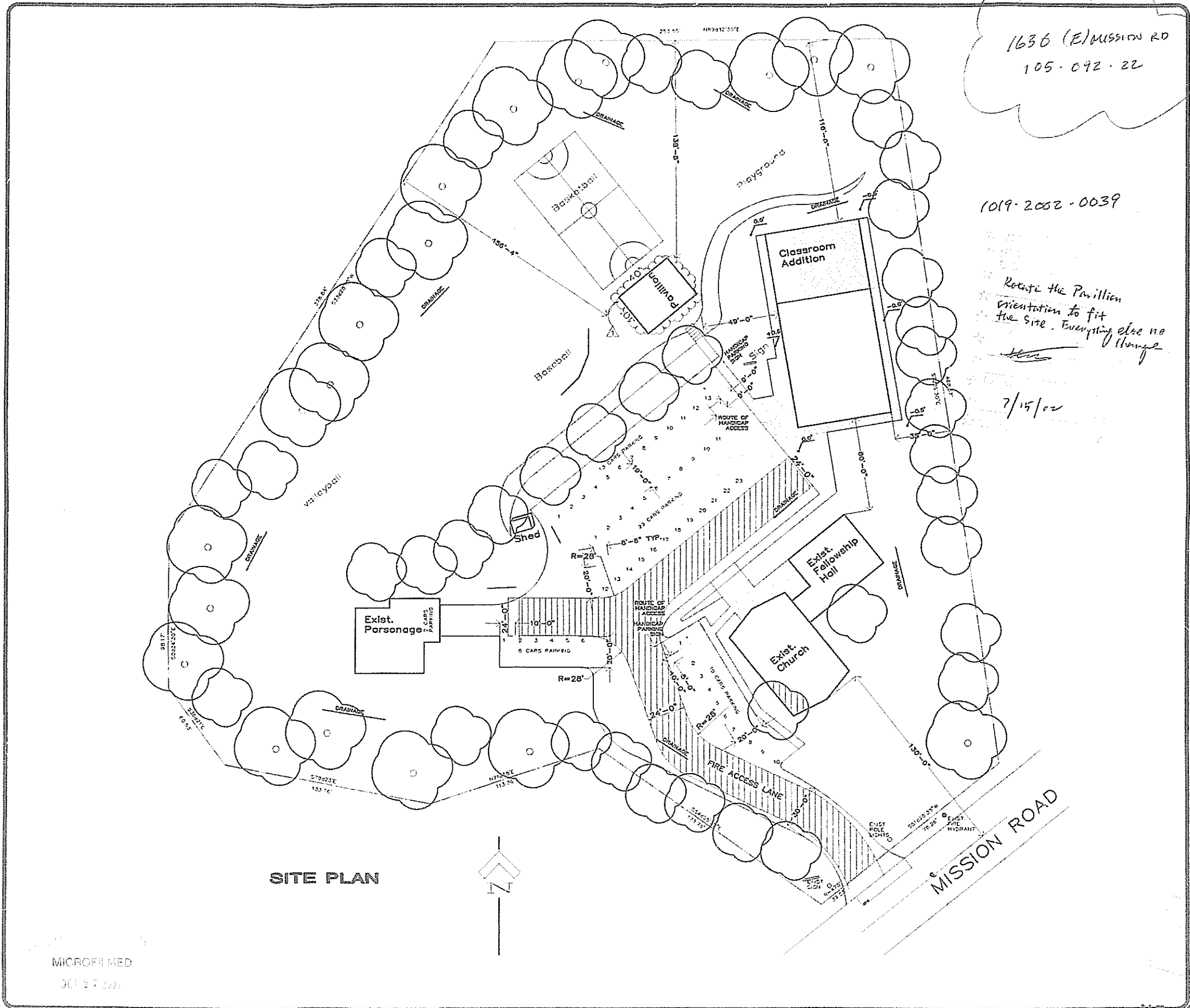
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DATE

DATE

DATE

A1



1636 (E) MISSION RD
105-092-22

1019-2002-0039

Rotate the Pavillion
orientation to fit
the site. Everything else no
change

7/15/02



David Markwell Allee architect
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Saint Stephen
Lutheran Church School
Fallbrook, California

PROJECT
DRAWN MAC
CHECKED MOE
SCALE 1" = 40'
DATE 03-08-02
A2

MICROFILMED
03/27/02

NB-04-0749

FIRE MARSHAL
 North County Fire Authority
 APPROVED
 Date: 4-16-02
 By: Pub. Man. 197202

Site inspection may reveal conditions which have changed since plan review. When such discrepancies arise, conditions noted during field inspection shall take precedence.

- * Provide automatic sprinkler system throughout entire structure in accordance with NFPA 13
- * Provide an approved fire alarm system in accordance with NFPA 72

FIRE DEPARTMENT SPRINKLER SYSTEM AND OCCUPANCY FINAL INSPECTION SHALL BE CONCURRENT

PROVIDE APPROVED FIRE DEPARTMENT TURNAROUND AND TURNOUTS AS REQUIRED BY THE FIRE MARSHAL

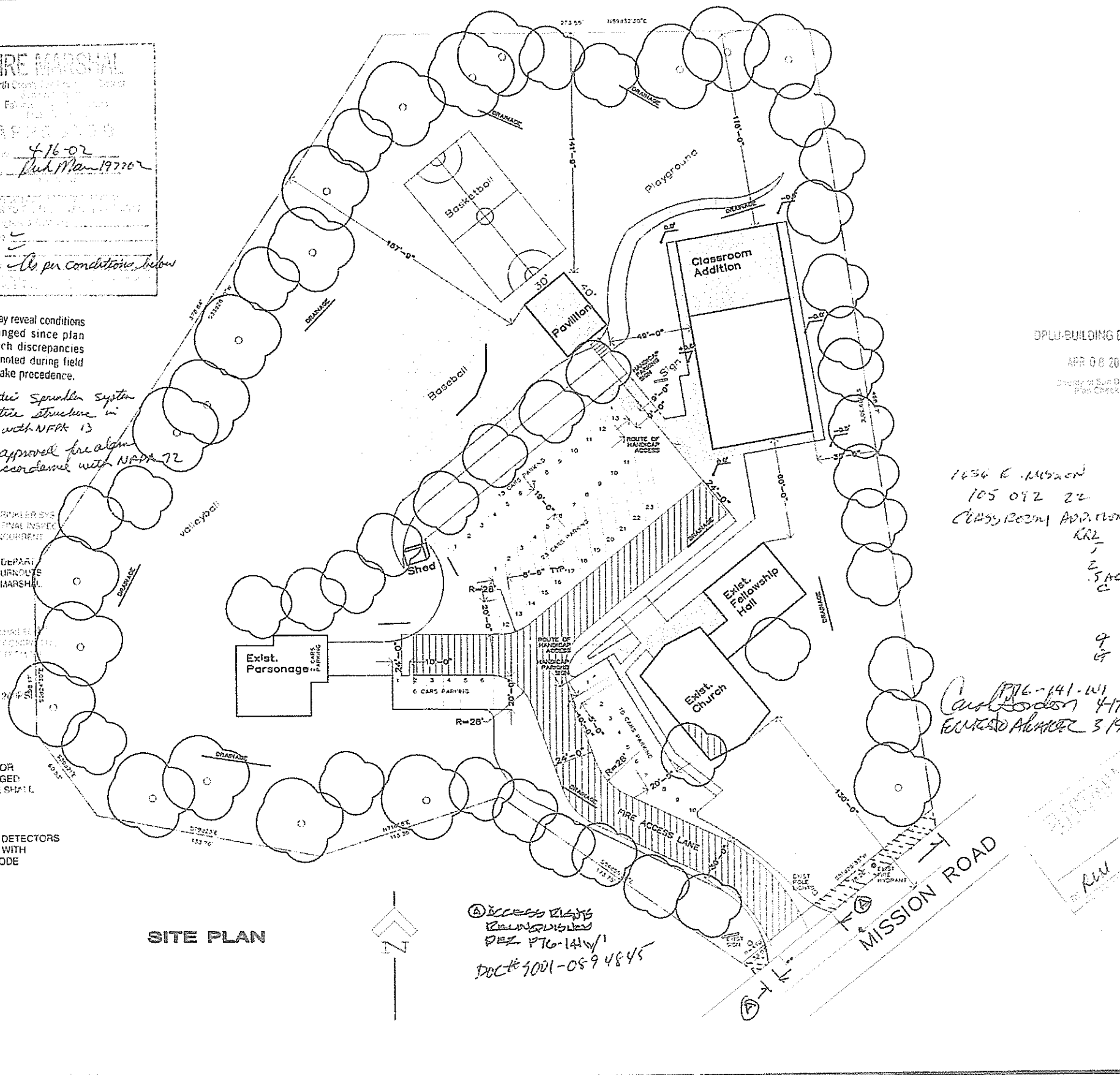
STREET ADDRESS: COMMISSIONER GENERAL ROAD, NUMBER OF FEET FROM INTERSECTION: 105092

HYDRO 2 HRS AT 20 PSI

MAIN DRAIN & INSPECTOR TEST SHALL BE ARRANGED SO WATER DISCHARGE SHALL NOT CAUSE DAMAGE

PROVIDE SMOKE DETECTORS IN ACCORDANCE WITH S.D. CO. BLDG CODE

SITE PLAN

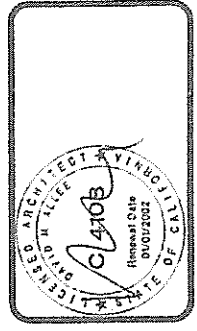


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 12/15/01
 PER PTC-141W/1
 DOC# 1001-0594845

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1436 E. Mission
 105 092 22
 Classroom Addition
 RRL
 SAC
 9
 67

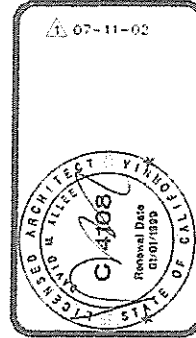
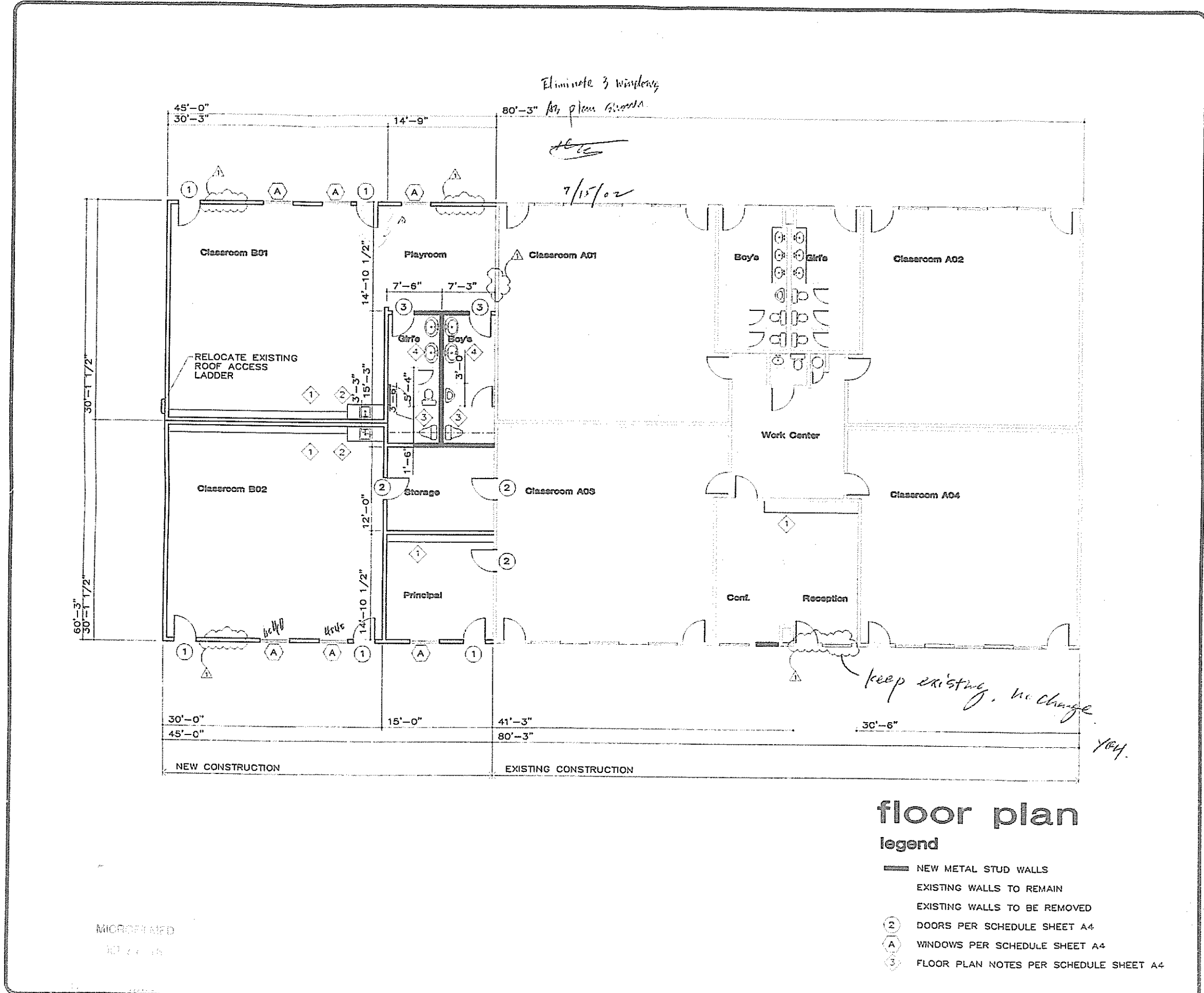
1976-141-W1
 Construction 4-7-02
 ERMESD APPROVED 3-19-02



Saint Stephen Lutheran Church School
 david markwell alise architect
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03-09-02

A2

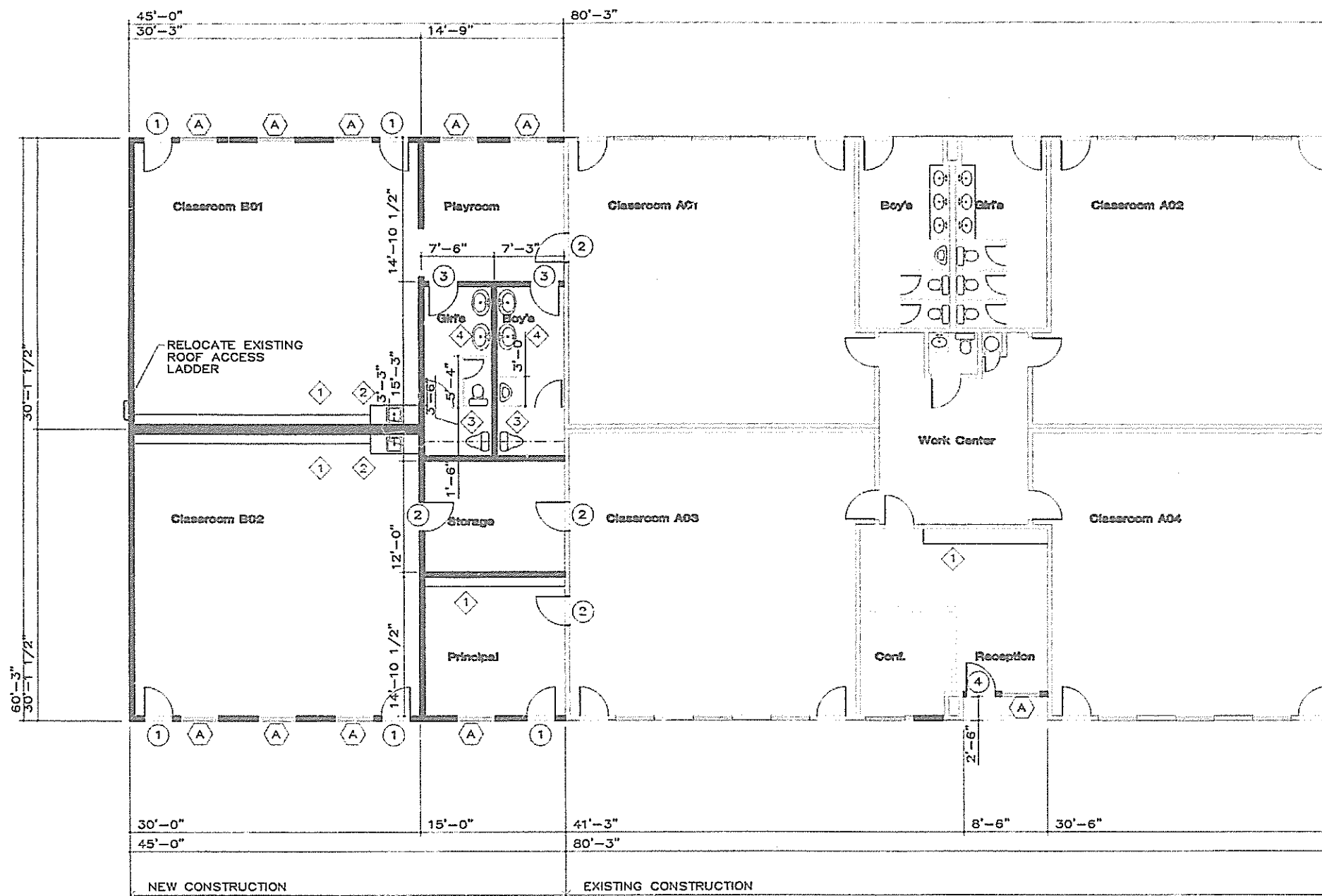


Saint Stephen Lutheran Church School
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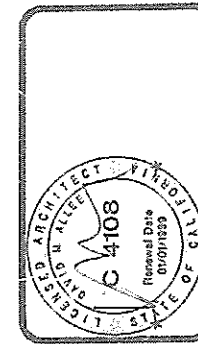
PROJECT
DRAWN MAC
CHECKED MOE
SCALE
DATE
A3



floor plan

legend

- NEW METAL STUD WALLS
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE REMOVED
- DOORS PER SCHEDULE SHEET A4
- WINDOWS PER SCHEDULE SHEET A4
- FLOOR PLAN NOTES PER SCHEDULE SHEET A4



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CHECKED MOE
SCALE
DATE
A3

13-04-0749

WINDOW SCHEDULE							
QY.	SYM	TYPE	SIZE	FRAME	GLAZING	REMARKS	SC
10	A	SL	4056 4x4	STEEL	1/8" DUAL PLATE	TEMPERED	.62

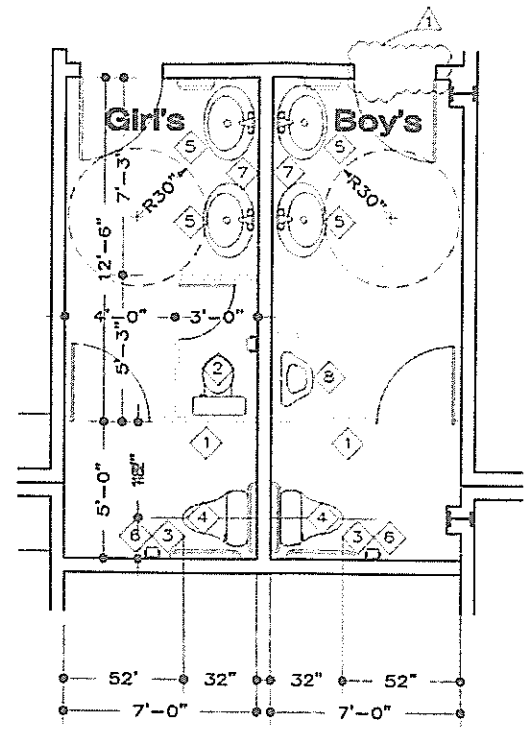
FINISH SCHEDULE							
ROOM	BASE	FLOOR	AREA	WALLS	CEILING	HT	
CLASSROOM B01	WOOD	CARPET	900 SF	5/8" DRYWALL	5/8" DRYWALL	10'	
CLASSROOM B02	WOOD	CARPET	900 SF	5/8" DRYWALL	5/8" DRYWALL	10'	
PLAYROOM	WOOD	CARPET	207 SF	5/8" DRYWALL	5/8" DRYWALL	10'	
PRINCIPAL	WOOD	CARPET	207 SF	5/8" DRYWALL	5/8" DRYWALL	10'	
STORAGE	WOOD	CARPET	171 SF	5/8" DRYWALL	5/8" DRYWALL	10'	
BOY'S	SELF COVE	VINYL	105 SF	5/8" DRYWALL*	5/8" DRYWALL	10'	
GIRL'S	SELF COVE	VINYL	105 SF	5/8" DRYWALL*	5/8" DRYWALL	10'	

NOTES: SL = SLIDING

* NOTE: PLASTIC LAMINATE WAINSCOTING TO 48 INCHES AT ALL WALLS IN BOY'S AND GIRL'S RESTROOMS

DOOR SCHEDULE							
QY.	SYM	SIZE	TYPE	THKNS	CORE	FRAME	REMARKS
2	1	3068	EXTERIOR	1-3/4"	SOLID	METAL	1/8" DUAL PLATE
1	2	3068	INTERIOR	1-3/4"	HOLLOW	WOOD	
2	3	3068	INTERIOR	1-3/4"	SOLID	WOOD	
1	4	3068	EXTERIOR	1-3/4"	GLAZED	METAL	1/8" DUAL PLATE

FLOOR PLAN NOTES SHEET A3	
1.	PROVIDE AND INSTALL 4 DRAWER BASE CABINET 18" WIDE BY 36" HIGH W/ FORMICA TOP AND 6" SPLASH.
2.	PROVIDE AND INSTALL SINK PULLMAN 24" WIDE BY 38" HIGH W/ FORMICA TOP AND 4" SPLASH.
3.	PROVIDE AND INSTALL TOILET STALL PARTITIONS AND DOORS W/ FORMICA FINISH
4.	PROVIDE AND INSTALL PLUMBING FIXTURES AS SHOWN ON SHEET P2.

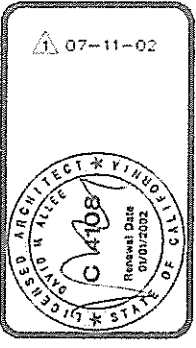


TOILET ROOMS

Floor Plan Notes SHEET A4

1. INSTALL FORMICA FINISH TOILET PARTITIONS.
2. PROVIDE AND INSTALL AM-STAN CADET WATER CLOSET.
3. PROVIDE AND INSTALL HANDICAP GRAB BARS.
4. INSTALL HANDICAP ACCESSIBLE WATER CLOSET.
5. INSTALL PEDESTAL LAVATORY WITH UNDERSINK PIPE GAUARD.
6. INSTALL STAINLESS STEEL BATH ACCESSORIES, INCLUDING PAPER TOWEL DISPENSORS AND TOILET PAPER HOLDERS.
7. INSTALL FULL LENGTH MIRROR FROM TOP OF SPLASH TO 6 FEET.
8. INSTALL URINAL

MICROFILMED
BY [unclear]



Saint Stephen
Lutheran Church School
Fallbrook, California

david markwell allee
architect
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PH: (760) 723-8641 FAX (619) 723-2725

PROJECT
DRAWN MAC
CHECKED MOE
SCALE 1/4" = 1'-0"
DATE 03-08-02

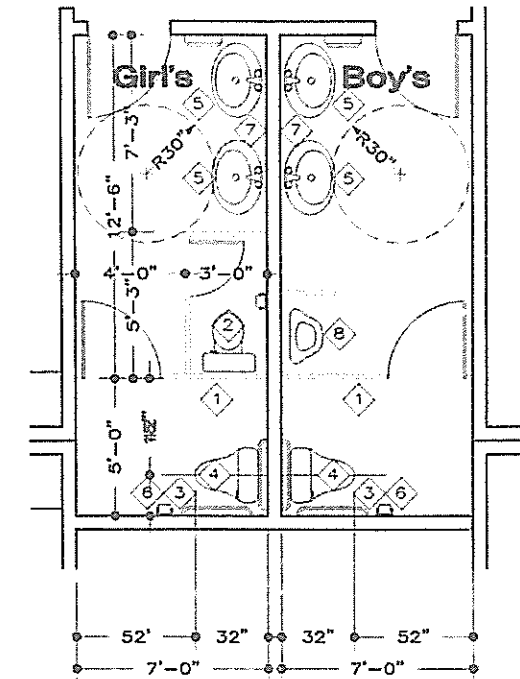
A4

WINDOW SCHEDULE							FINISH SCHEDULE							
QY.	SYM	TYPE	SIZE	FRAME	GLAZING	REMARKS	SC	ROOM	BASE	FLOOR	AREA	WALLS	CEILING	HT
10	A	SL	4036	STEEL	1/8" DUAL PLATE	TEMPERED	.62	CLASSROOM B01	WOOD	CARPET	900 SF	5/8" DRYWALL	5/8" DRYWALL	10'
								CLASSROOM B02	WOOD	CARPET	900 SF	5/8" DRYWALL	5/8" DRYWALL	10'
								PLAYROOM	WOOD	CARPET	207 SF	5/8" DRYWALL	5/8" DRYWALL	10'
								PRINCIPAL	WOOD	CARPET	207 SF	5/8" DRYWALL	5/8" DRYWALL	10'
								STORAGE	WOOD	CARPET	171 SF	5/8" DRYWALL	5/8" DRYWALL	10'
								BOY'S	SELF COVE	VINYL	105 SF	5/8" DRYWALL*	5/8" DRYWALL	10'
								GIRL'S	SELF COVE	VINYL	105 SF	5/8" DRYWALL*	5/8" DRYWALL	10'

NOTES: SL = SLIDING

* NOTE: PLASTIC LAMINATE WAINSCOTING TO 48 INCHES AT ALL WALLS IN BOY'S AND GIRL'S RESTROOMS

DOOR SCHEDULE							FLOOR PLAN NOTES SHEET A3		
QY.	SYM	SIZE	TYPE	THKNS	CORE	FRAME	REMARKS		
2	1	3068	EXTERIOR	1-3/4"	SOLID	METAL	1/8" DUAL PLATE	1.	PROVIDE AND INSTALL 4 DRAWER BASE CABINET 18" WIDE BY 36" HIGH W/ FORMICA TOP AND 6" SPLASH.
1	2	3068	INTERIOR	1-3/4"	HOLLOW	WOOD		2.	PROVIDE AND INSTALL SINK PULLMAN 24" WIDE BY 38" HIGH W/ FORMICA TOP AND 4" SPLASH.
2	3	3068	INTERIOR	1-3/4"	SOLID	WOOD		3.	PROVIDE AND INSTALL TOILET STALL PARTITIONS AND DOORS W/ FORMICA FINISH
1	4	3058	EXTERIOR	1-3/4"	GLAZED	METAL	1/8" DUAL PLATE	4.	PROVIDE AND INSTALL PLUMBING FIXTURES AS SHOWN ON SHEET P2.



TOILET ROOMS

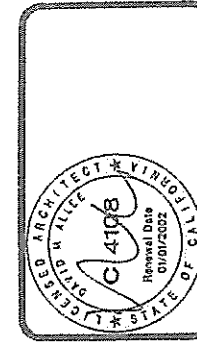
Floor Plan Notes SHEET A4

1. INSTALL FORMICA FINISH TOILET PARTITIONS.
2. PROVIDE AND INSTALL AM-STAN CADET WATER
3. PROVIDE AND INSTALL HANDICAP GRAB BARS.
4. INSTALL HANDICAP ACCESSIBLE WATER CLOSET.
5. INSTALL PEDESTAL LAVATORY WITH UNDERSINK PIPE GUARD.
6. INSTALL STAINLESS STEEL BATH ACCESSORIES, INCLUDING PAPER TOWEL DISPENSORS AND TOILET PAPER HOLDERS.
7. INSTALL FULL LENGTH MIRROR FROM TOP OF SPLASH TO 6 FEET.
8. INSTALL URINAL

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FEB 16 2000
County of San Diego
Plan Check

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OCT 17 2001
County of San Diego
Plan Check

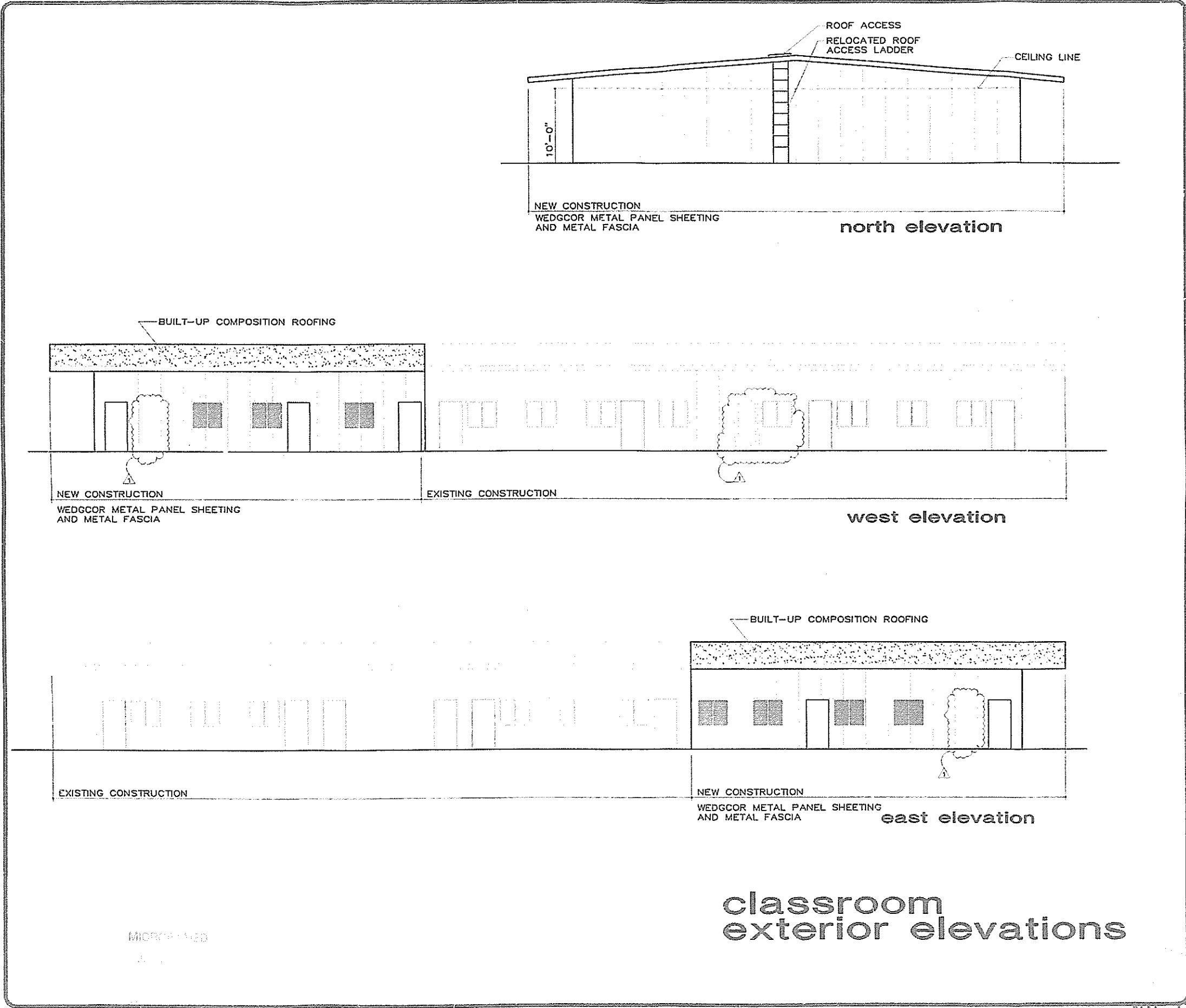


David Markwell Allee
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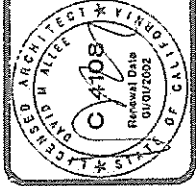
Saint Stephen's
Lutheran Church School
Fallbrook, California

PROJECT
DRAWN MAC
CHECKED MDE
SCALE 1/4"=1'-0"
DATE 8-12-00
A4

NB-04-0749



07-11-02



Saint Stephen's
Lutheran Church School
Fallbrook, California

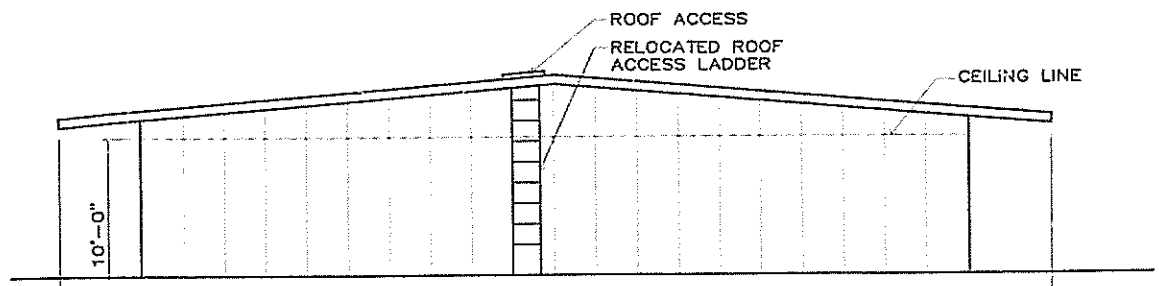
David Markwell Allee
architect
120 S. MAIN STREET, FALLBROOK, CA 92028
PH: (760) 723-8641 FAX (619) 723-2725

PROJECT
DRAWN MAC
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SCALE 1/8"=1'-0"
DATE 03-08-02

A5

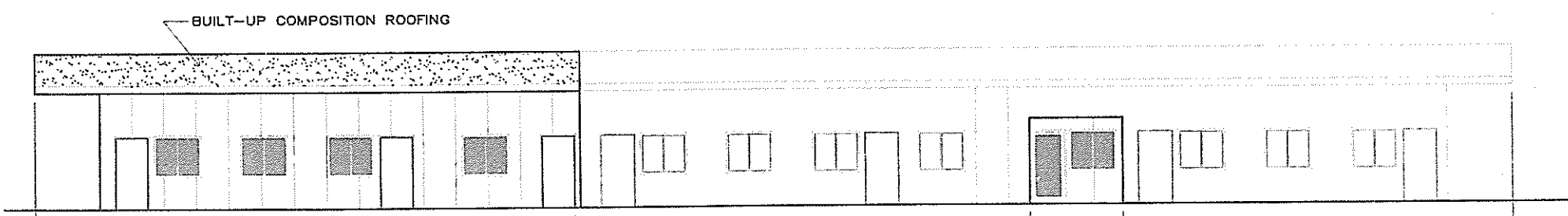
NB-04-0749

6



NEW CONSTRUCTION
WEDGCOOR METAL PANEL SHEETING
AND METAL FASCIA

north elevation

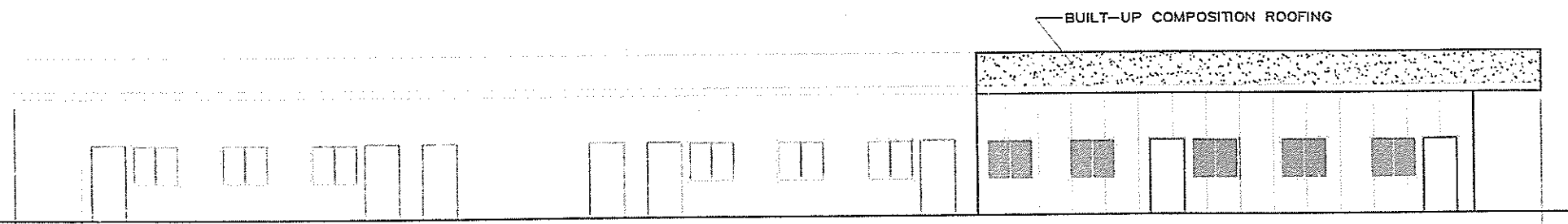


NEW CONSTRUCTION
WEDGCOOR METAL PANEL SHEETING
AND METAL FASCIA

EXISTING CONSTRUCTION

ALTERATION

west elevation



EXISTING CONSTRUCTION

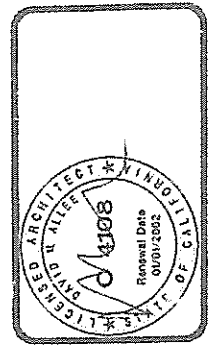
NEW CONSTRUCTION
WEDGCOOR METAL PANEL SHEETING
AND METAL FASCIA

east elevation

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FEB 06 2002
County of San Diego
Plan Check

DPLU-BUILDING DIVISION
FEB 16 2002
County of San Diego
Plan Check

classroom
exterior elevations

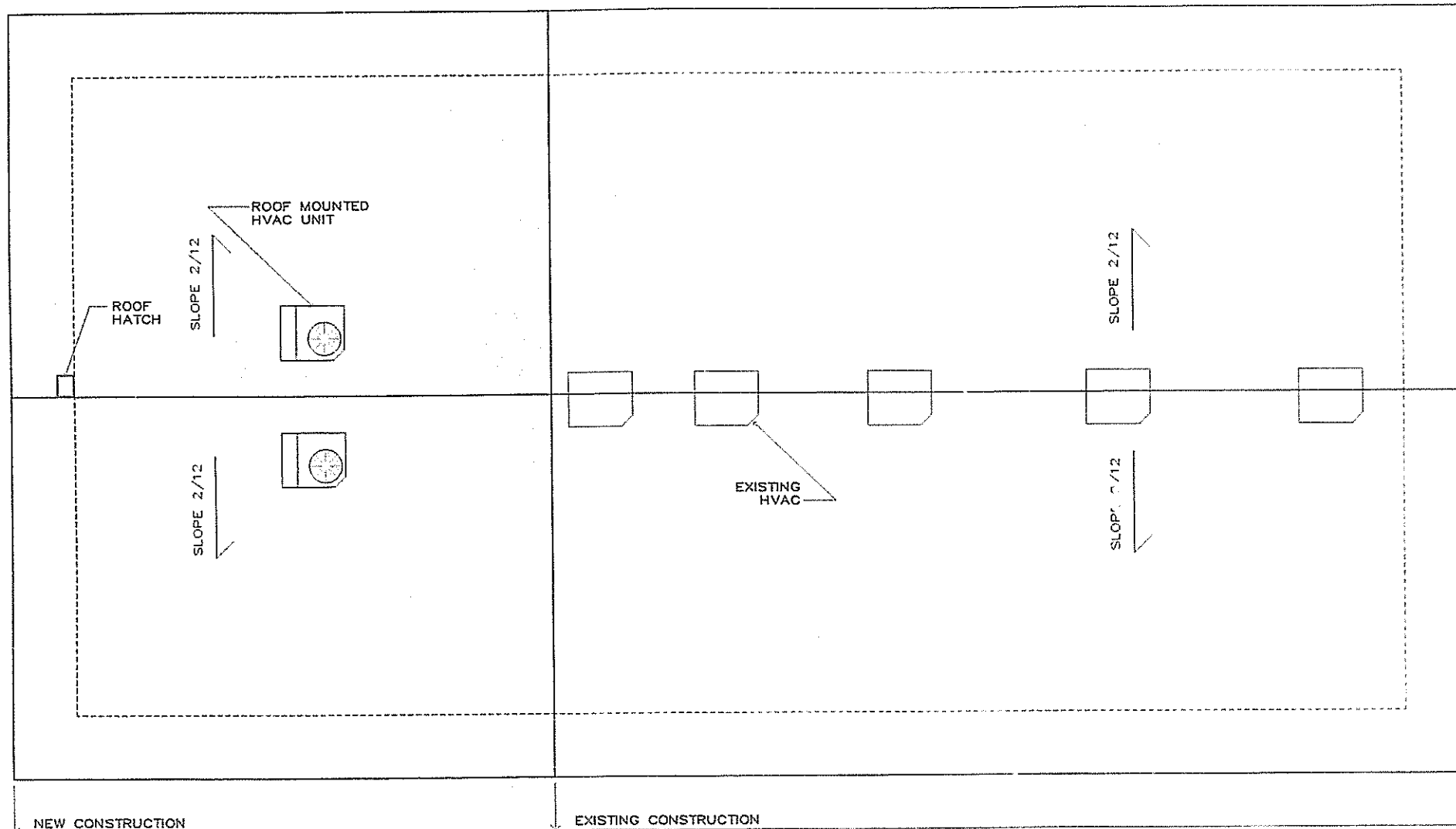


Saint Stephen's
Lutheran Church School

David Markwell Allee
architect

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PH: (760) 723-8641 FAX (619) 723-2725

PROJECT
DRAWN MAC
CHECKED MCE
SCALE 1/8"=1'-0"
DATE 01-05-02
A5



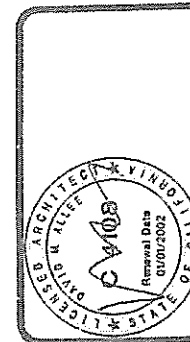
NEW CONSTRUCTION

EXISTING CONSTRUCTION

ROOFING: CLASS B BUILT-UP COMPOSITION
 ROOFING: 300 # GRAVEL OVER 3
 LAYERS 15# ASPHALT SATURATED
 FELT, HOT-MOPPED BETWEEN LAYERS.

roof plan

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 FEB 16 2002
 County of San Diego
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Saint Stephen's Lutheran Church School
 Fallbrook, California

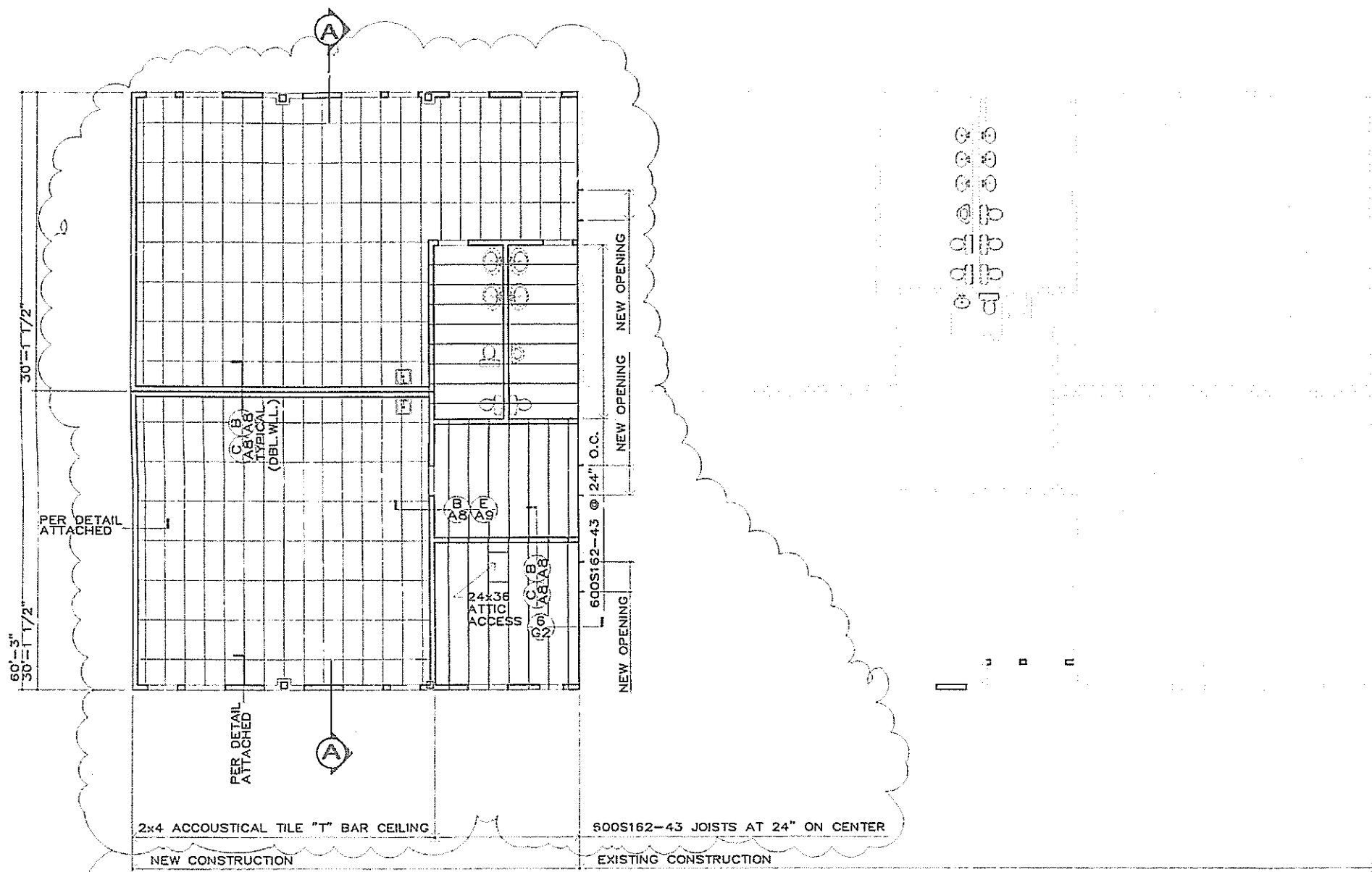
David Markwell Allee
 architect
 120 S. MAIN STREET, FALLBROOK, CA 92028
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PROJECT
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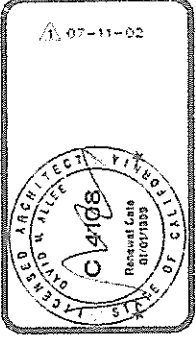
14



light gauge steel framing

EXTERIOR WALLS: 600S162-33 AT 24" ON CENTER
 INTERIOR WALLS: 600S162-33 AT 24" ON CENTER
 400S162-33 AT 24" ON CENTER

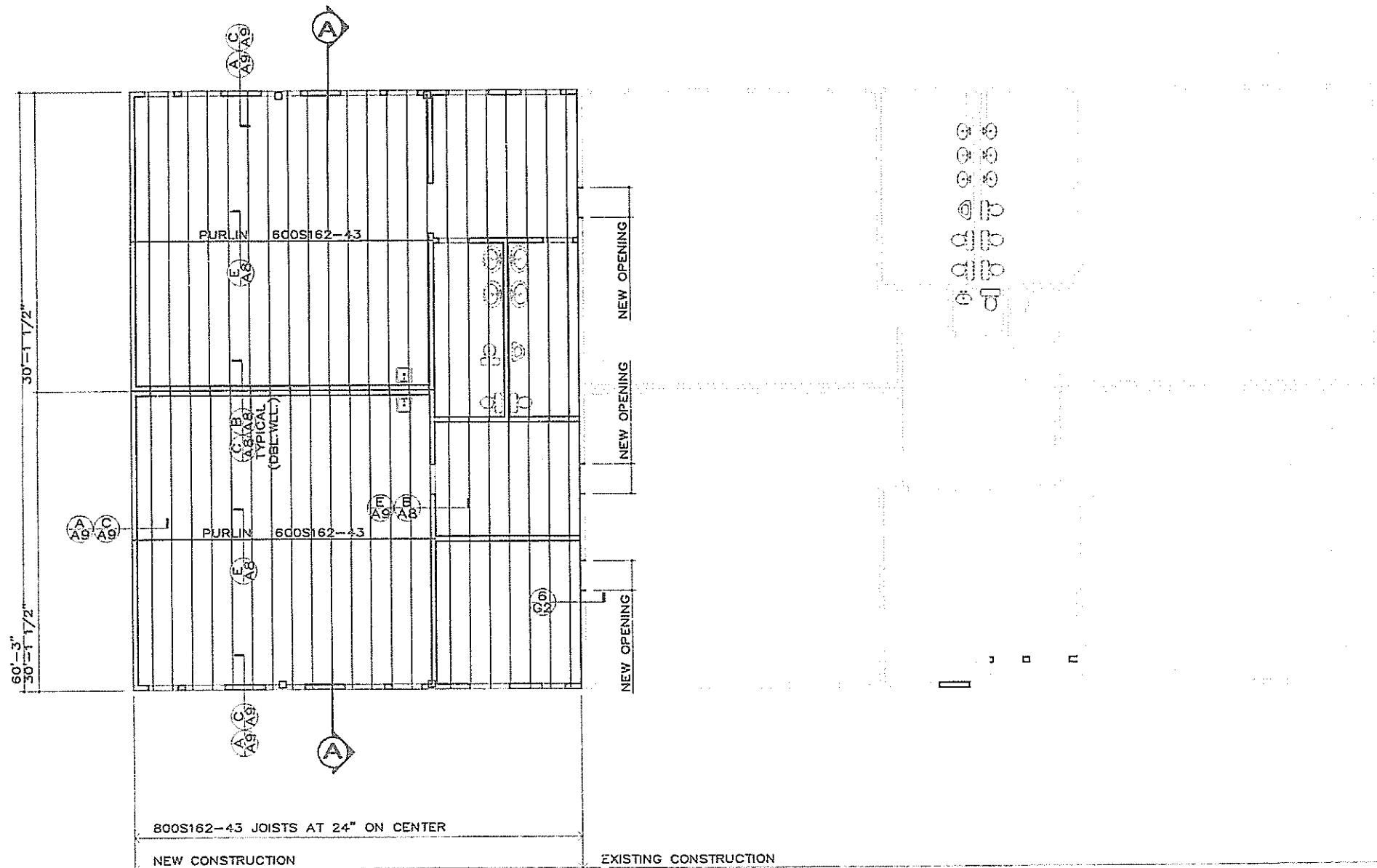
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 Lutheran Church School
 Fallbrook, California

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 architect
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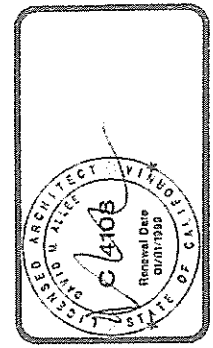
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DATE 03-08-02
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light gauge steel framing

EXTERIOR WALLS: 800S162-33 AT 24" ON CENTER
 INTERIOR WALLS: 600S162-33 AT 24" ON CENTER



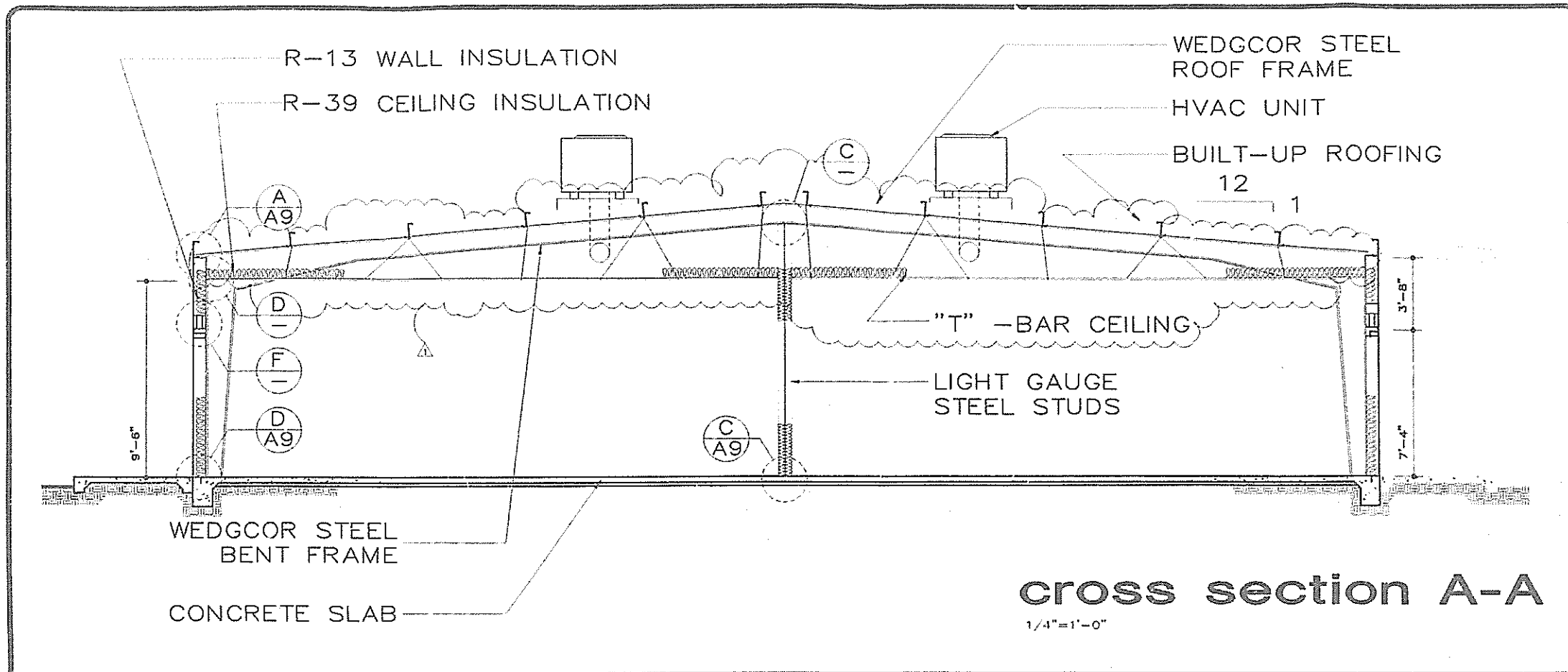
Saint Stephen's
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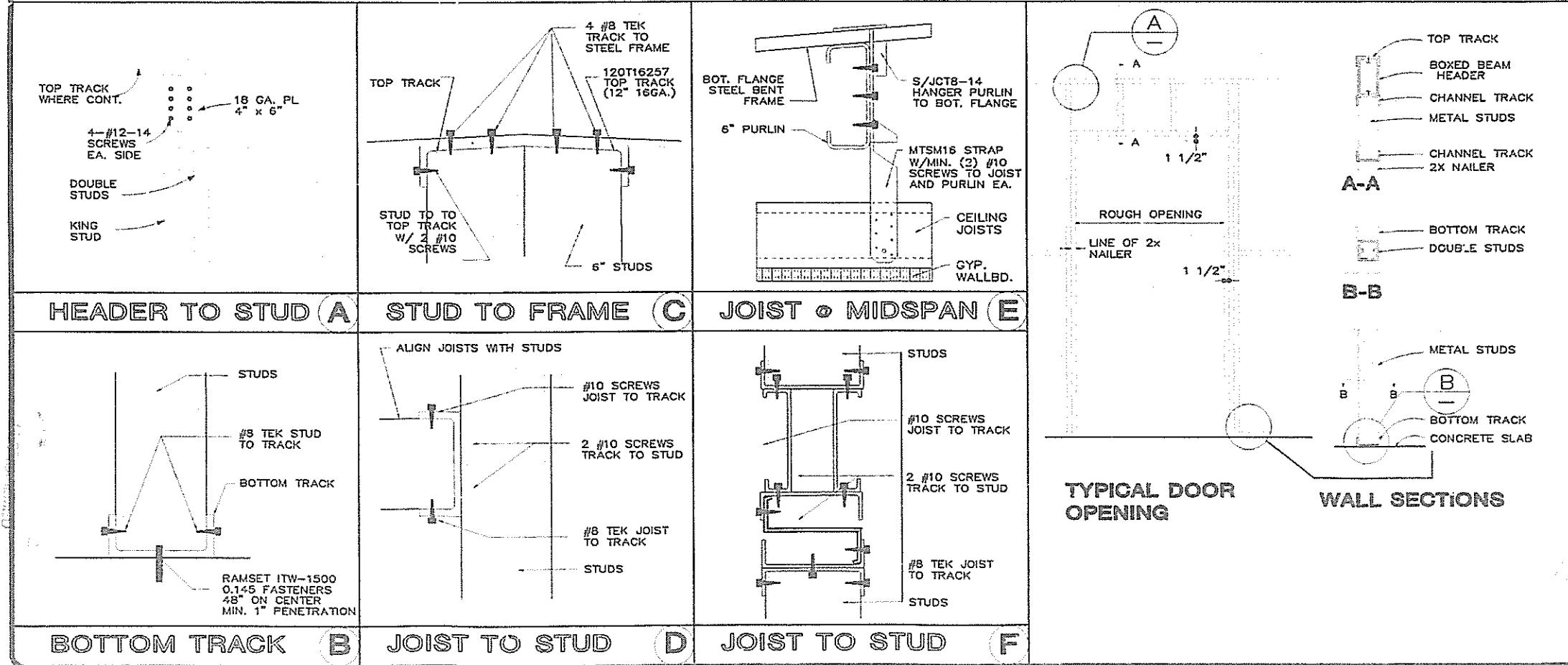
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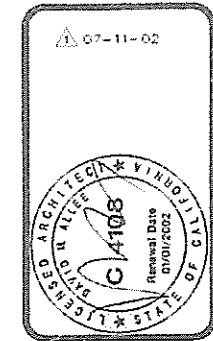
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cross section A-A
1/4"=1'-0"



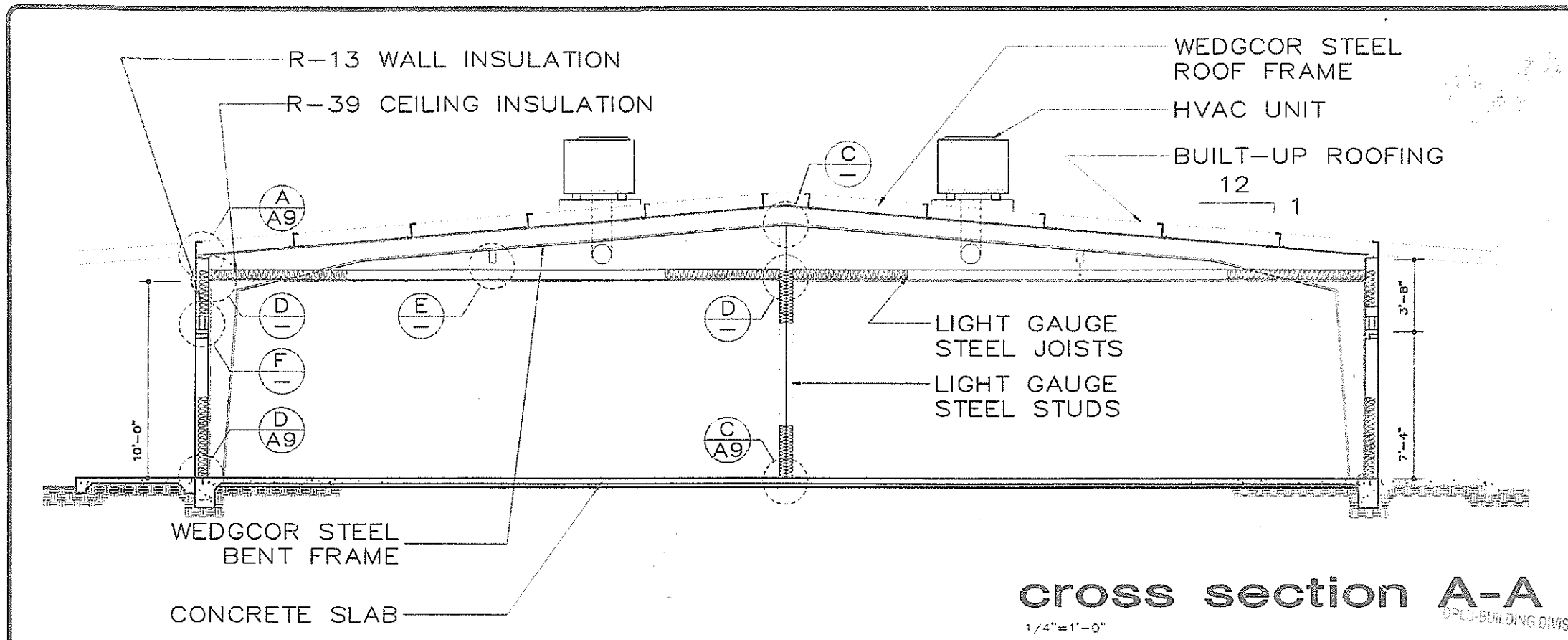
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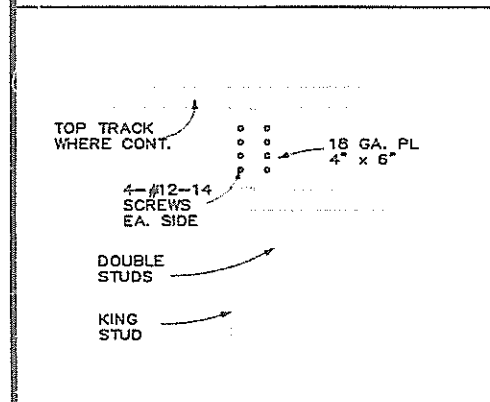
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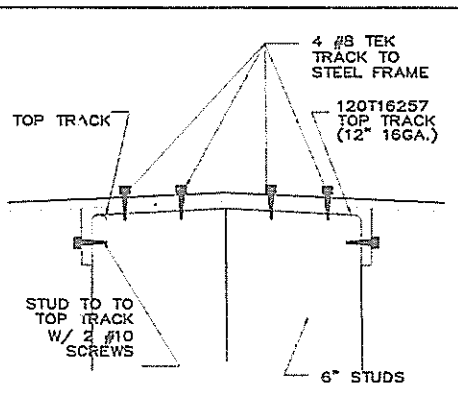
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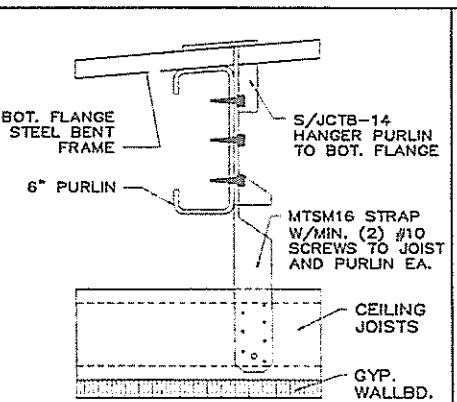
cross section A-A
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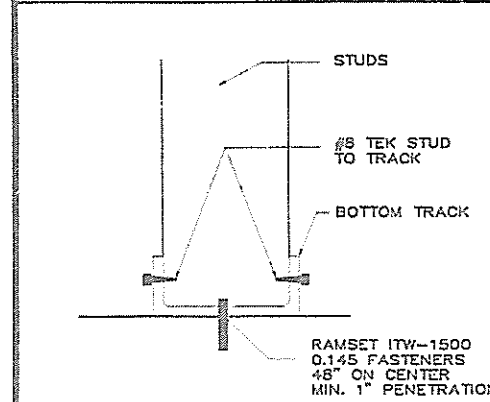
HEADER TO STUD (A)



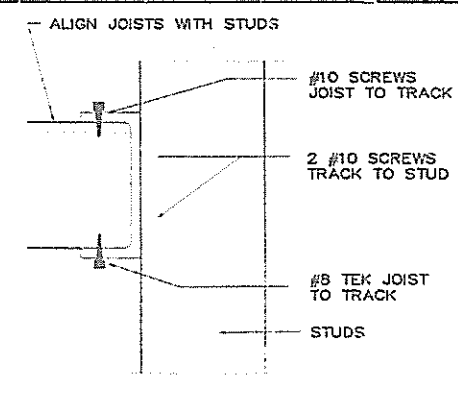
STUD TO FRAME (C)



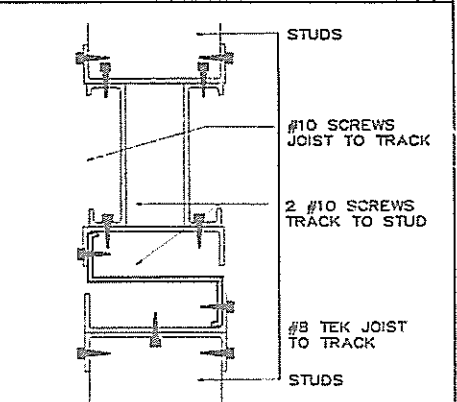
JOIST to MIDSPAN (E)



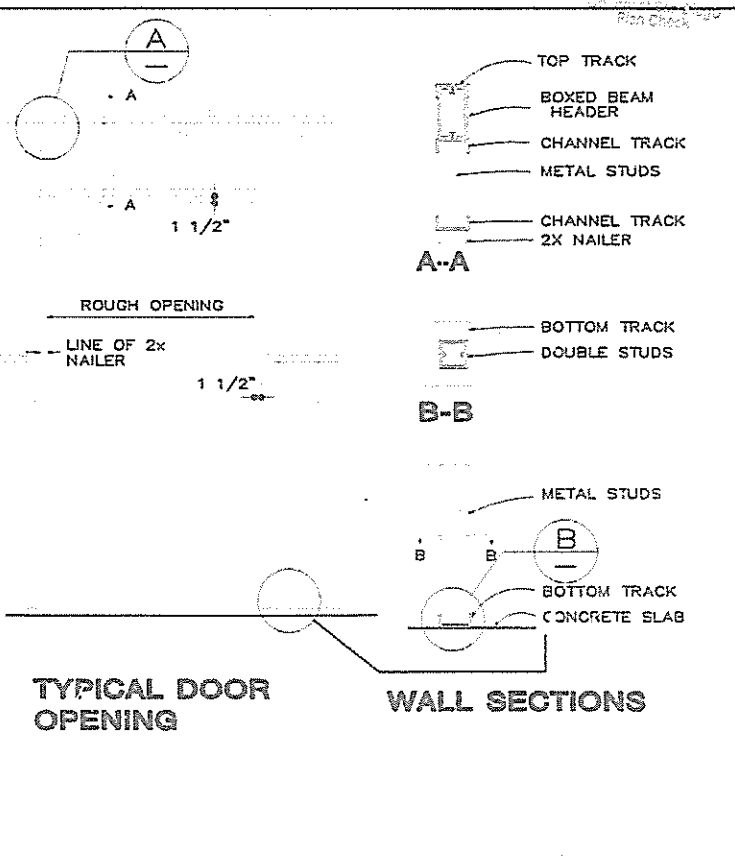
BOTTOM TRACK (B)



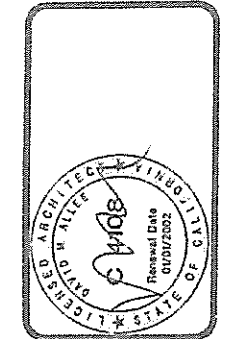
JOIST TO STUD (D)



JOIST TO STUD (F)



TYPICAL DOOR OPENING
WALL SECTIONS

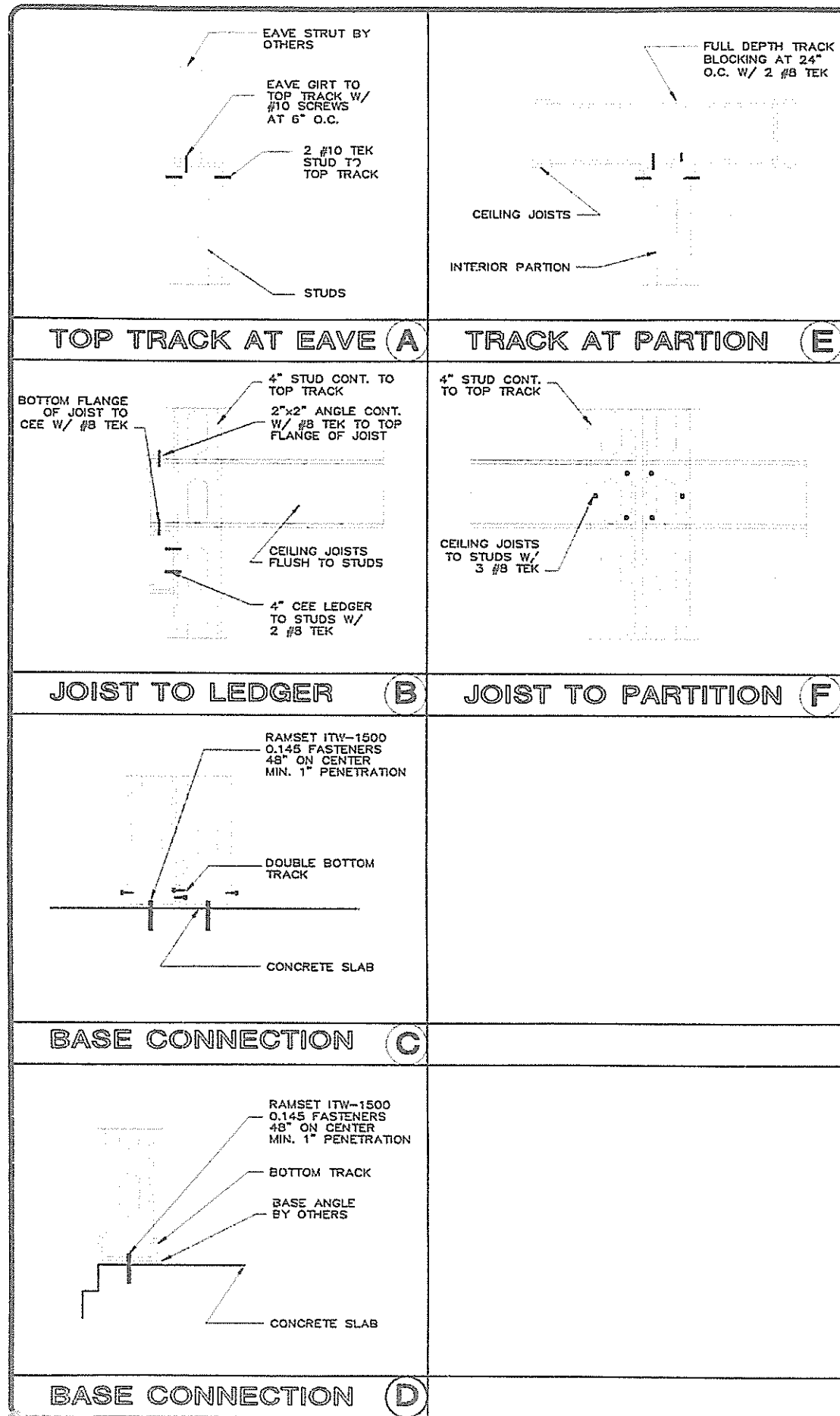


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LIGHT GAUGE STEEL FRAMING

1. General: Light-Gauge steel track and C-Shaped studs shall be cold formed from steel in accordance with ICBO ER-4943P Corrosion resistance shall be accomplished by galvanizing or galvannealing in accordance with ASTM A 525, G01 or A01, respectively, or equal. Various track and stud shapes shall have different flange lengths and lip lengths, and have punch outs spaced at 24 inches on center. Steel thickness shall be either Nos. 12, 14, 16, 18, or 20 Gauge. Nonstandard gauge thicknesses shall be Nos. 17, 19, 21, and 22 Gauge. Standard depths shall be 1-5/8, 2-1/2, 3-1/2, 3-5/8, 4, 6, 8, 10, and 12 inches. Support of flanges and other structural criteria must comply with U.B.C. Standard No. 27-9.

2. Grades: 12 - 16 GA. 50,000 PSI
 18 - 20 GA. 33,000 PSI

3. Rigid wall coverings shall be attached to both faces of each stud for lateral support of stud flanges. During construction, and for specific applications (Furred Walls, Unsheathed Walls, Etc.), loads may be applied without proper flange bracing. Stud bridging shall provide flange support to the stud so loads can be applied. Use horizontal bridging at a maximum vertical spacing of 4'-0" O.C. In a stud wall. Over 8'-0" additional rows of bridging is required. Use 1-1/2" x 16 Gauge CC typically.

4. Studs and joists shall have Both Flanges supported by rigid materials to resist flange buckling. During construction, and for specific applications (Furred Walls, Ceilings, Unsheathed Walls, Etc.) Loads may be applied without proper bracing. Bridging shall provide flange support so that load can be applied where the tension flange is not fully braced by rigid materials. Compression Flanges must be braced by a rigid material or by bridging or bracing at 24" O.C. Compression Flanges not fully braced by rigid materials need to be evaluated on a case by case basis by the Architect.

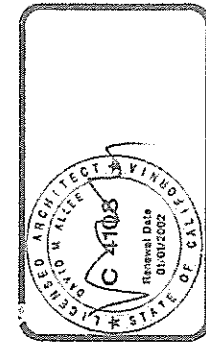
5. CODE APPROVAL
 Products manufactured by members of the Metal Stud Manufacturer's Association, MSMA, comply with the Uniform Building Code. See ICBO ES Evaluation Report No. 1943.

6. MATERIAL SPECIFICATIONS
 Galvanized steel products manufactured by MSMA members are formed from steel with a minimum yield stress of 33 ksi (ASTM A446 Grade A) or 50 ksi (ASTM A446 Grade D). Galvanized coatings meet the ASTM A525 specification.

Carbon sheet steel products manufactured by MSMA members are formed from steel with a minimum yield stress of 33 ksi or 50 ksi (ASTM A570) and are provided with a rust inhibitive coating.

7. PRODUCT IDENTIFICATION
 MSMA products carry a three-part identification code which identifies the size (158 - 1 5/8", 250 - 2 1/2", 400 - 4", 1000 - 10", etc), style (S - C"-shaped stud/joist, IU-channel stud, MJ-joist, T-Track, etc.) and gauge thickness of each member. An example of the coding system is as follows:

MATERIAL SCHEDULE					
LOCATION	TYPE	SIZE	GA.	FLANGE	REMARKS
STUDS	600S162-33	6"	20	1 5/8"	EXTERIOR
STUDS	600S162-35	8"	20	1 5/8"	INTERIOR
CEILING JOISTS	600S162-43	6"	20	1 5/8"	
HEADERS	600S162-43	6"	20	1 5/8"	
TOP TRACK	800T162-33	8"	20	1 5/8"	
BOTTOM TRACK	800T162-33	8"	20	1 5/8"	
BLOCKING	358U100-33	3 5/8"	20	1"	
STUD BRIDGING	600U100-33	6"	20	1"	
JOIST BRIDGING	250U100-33	2 1/2"	20	1"	
SCREWS AND CONNECTORS SHALL BE PER ICBO ER-4943P AND ER-5275					



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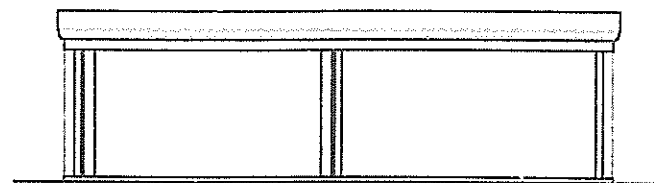
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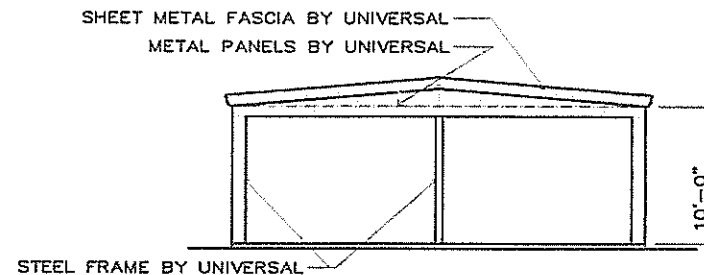
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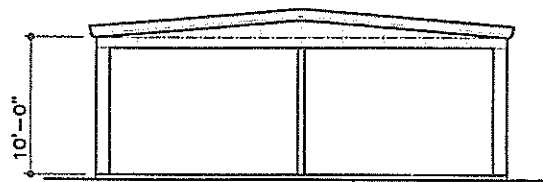
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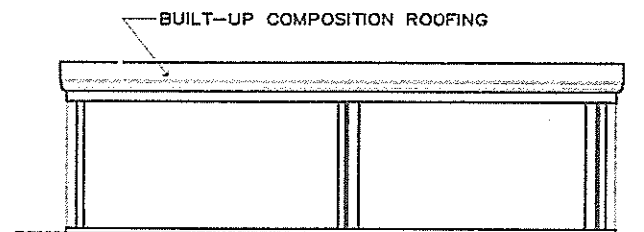
west elevation



south elevation

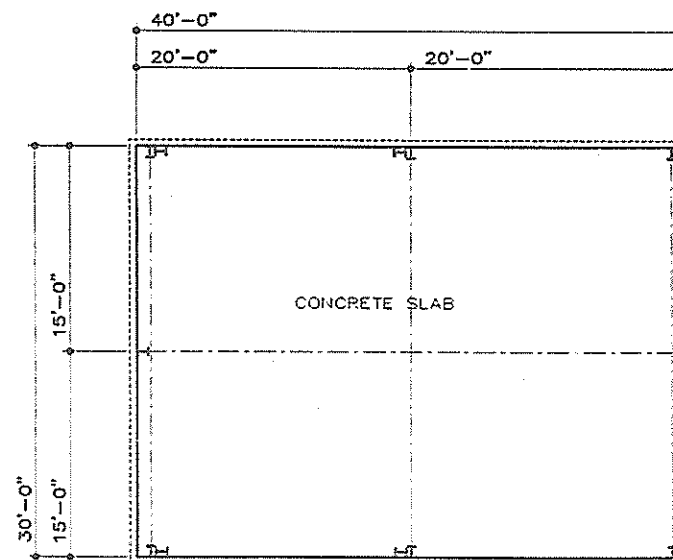


north elevation



east elevation

exterior elevations



pavillion plan

STRUCTURE, PANELING, ROOF FRAME BY UNIVERSAL STEEL STRUCTURES.
FOUNDATION, ANCHOR BOLTING, CONCRETE SLAB BY GENERAL CONTRACTOR

DPLU-BUILDING DIVISION

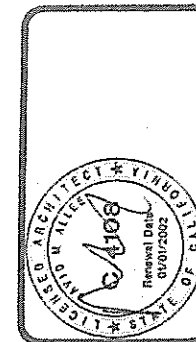
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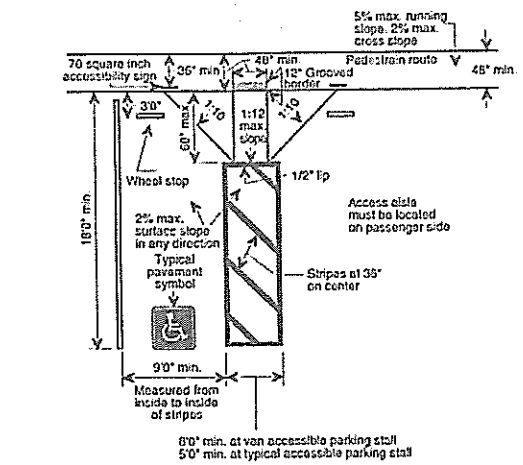
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**Disabled Access Regulations
- Parking, Passenger Drop-Off
& Loading Zones**

PARKING

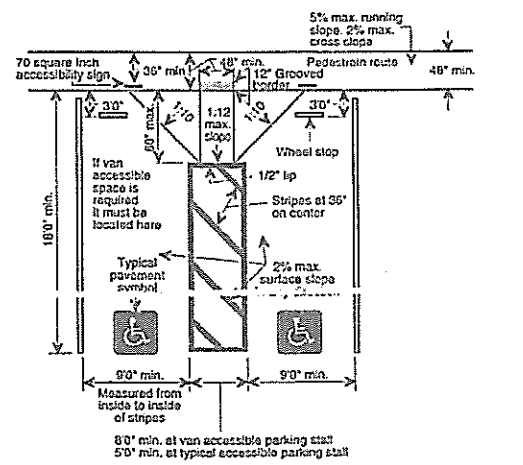
- Provide disabled parking spaces as required by Table 11B-7, Sec. 1129B.1.
- At facilities providing medical care and other services for persons with mobility impairments, parking spaces complying with this Section shall be provided in accordance with Table 11B-6 except as follows:
 - Outpatient units and facilities: 10% of the total number of parking spaces provided serving each such outpatient unit facility, Sec. 1129B.3.1.
 - Units and facilities that specialize in treatment or services for persons with mobility impairments: 20% of the total number of parking spaces provided serving each such unit or facility, Sec. 1129B.3.2.
- Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to a primary entrance, Sec. 1129B.1.
- In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility, Sec. 1129B.1.
- In buildings with multiple accessible entrances with adjacent parking, accessible parking spaces shall be dispersed and located closest to the accessible entrances, Sec. 1129B.1.
- Where single accessible parking spaces are provided, they shall be outlined to provide a 9-foot (2743 mm) parking area and a 5-foot (1525 mm) loading and unloading access aisle on the passenger side of the vehicle, for the typical accessible parking stall, and 8-foot (2438 mm) loading and unloading access aisle for the van accessible stall, Sec. 1129B.4.1 & 1129B.4.2 & Fig. 11B-18A through C.
- When more than one accessible parking space is provided, two spaces can be provided with a 9-foot (2743 mm) parking area on each side of a 5-foot (1525 mm) loading and unloading access aisle in the center, for the typical parking stall, and 8-foot (2438 mm) loading and unloading access aisle for the van accessible space, Sec. 1129B.4.1 & 1129B.4.2 Fig. 11B-18A through C.
- The minimum length of an accessible parking space shall be 18', Sec. 1129B.4.1 & Fig. 11B-18A.
- When less than 5 parking spaces are provided at buildings and facilities subject to these regulations, one shall be 14' wide and lined to provide a 9' parking area and a 5' loading and unloading area. However, there is no requirement that the space be reserved exclusively or identified for use by persons with disabilities only, Sec. 1129B.2.
- One in every eight accessible spaces, but not less than one, shall be served by an access aisle 9' wide minimum and shall be designated van accessible. All such spaces may be grouped on one level of a parking structure, Sec. 1129B.4.2.
- Surface slopes of accessible parking spaces and access aisles shall be the minimum possible and shall not exceed 2% in any direction, Sec. 1129B.4.4.
- All entrances to and vertical clearances within parking structures shall have a minimum vertical clearance of 8'2" where required for accessibility to accessible parking spaces, Sec. 1130B.
- In each parking area, a bumper or curb shall be provided and located to prevent encroachment of cars over the required width of walkways, Sec. 1129B.4.3.
- Pedestrian ways which are accessible to people with disabilities shall be provided from each such parking space to related facilities, including curb cuts or ramps as needed, Sec. 1129B.4.3.
- Ramps shall not encroach into any parking space, with the exception of a transition ramp from a loading/unloading area to an adjacent sidewalk. The transition ramp shall be a mini-

- mum of 46" in width, a maximum of 60" in length, with a maximum slope of 1:12, Sec. 1129B.4.3 & Fig. 11B-18A through C.
- Accessible parking spaces shall be so located that persons with disabilities are not compelled to wheel or walk behind parked cars other than their own, Sec. 1129B.4.3.
 - Each parking space reserved for persons with disabilities shall be identified by a reflectorized sign permanently posted immediately adjacent to and visible from each stall or space, consisting of a profile view of a wheelchair with occupant in white on dark blue background. The sign shall not be smaller than 70 square inches in area and, when in a path of travel, shall be posted at a minimum height of 60" from the bottom of the sign to the parking space finished grade, Sec. 1129B.5.
 - Signs to identify accessible parking spaces may be centered on a wall at the interior end of the parking space at a minimum height of 36" from the parking space finished grade, ground or sidewalk, Sec. 1129B.5.
 - Van accessible parking spaces shall have an additional sign stating "Van Accessible" mounted below the symbol of accessibility. Maintain 60" height, Sec. 1129B.5.
 - An additional sign shall also be posted, in a conspicuous place, at each entrance to off-street parking facilities, or immediately adjacent to and visible from each stall or space. The sign shall be not less than 17"x22" in size with lettering not less than 1" in height, which clearly and conspicuously states the following: "Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or license plates issued for persons with disabilities may be towed away at owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____." Blank spaces are to be filled in with appropriate information as a permanent part of the sign.
 - The surface of each accessible parking space or stall shall have a surface identification duplicating either of the following schemes: Sec. 1129B.5 & Fig. 11B-18A through C.
 - By outlining or painting the stall or space in blue and outlining on the ground in the stall or space in blue and suitable contrasting color a profile view depicting a wheelchair with occupant;
 - By outlining a profile view of a wheelchair with occupant in white on blue background. The profile view shall be located so that it is visible to a traffic enforcement officer when a vehicle is properly parked in the space and shall be 36" high by 36" wide.
- PASSENGER DROP-OFF & LOADING ZONES**
- Where provided, one passenger drop-off and loading zone shall provide an access aisle at least 60" wide and 20' long adjacent and parallel to the vehicle pull-up space. Such zones shall be located on a surface with a slope not exceeding 1" vertical in 50 horizontal. If there are curbs between the access aisle and the vehicle pull-up space, then a curb ramp shall be provided, Sec. 1131B.2.1 & Fig. 11B-24.
 - When provided, passenger drop-off and loading zones shall be located on an accessible route of travel, Sec. 1131B.1.
 - Provide minimum vertical clearance of 8'2" at accessible passenger loading zones and along at least one vehicle access route to such areas from site entrances and exits, Sec. 1131B.2.2.
 - Vanet parking facilities shall provide a passenger loading zone and shall be located on an accessible route to the entrance of the facility. The parking space requirements of Sections 1129B through 1130B apply to facilities with vanet parking, Sec. 1131B.3.

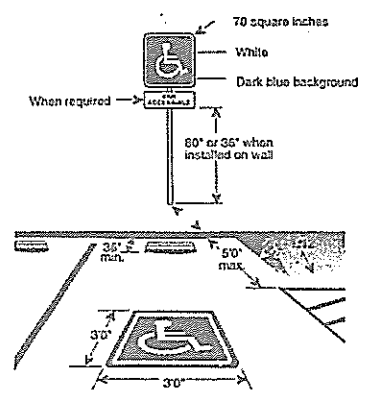


Note: When only one accessible space is provided it must be van accessible.

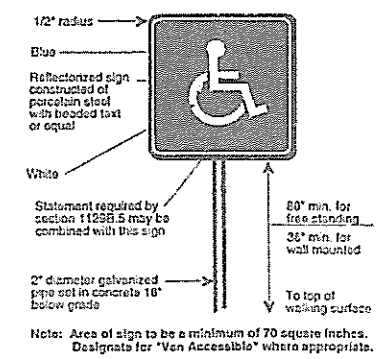
Single Parking Stall



Double Parking Stall



International Symbol of Accessibility



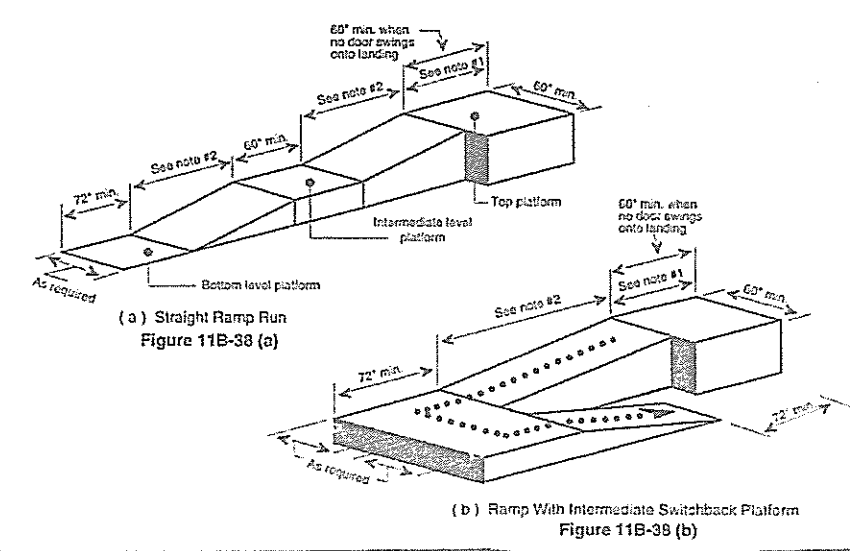
**- Site Development & Accessible
Route of Travel**

NOTE: Accessible Route of Travel is defined as "a continuous unobstructed path connecting all accessible elements and spaces in an accessible building or facility that can be navigated by a person with a severe disability using a wheelchair, and that is also safe for and usable by persons with other disabilities, and that also is consistent with the definition of 'path of travel' in Sections 217.9 and 1102B.

- Site development and grading shall be designed to provide access to all entrances and exterior ground floor exits, and access to normal paths of travel, and where necessary to provide access, shall incorporate pedestrian ramps, curb ramps, etc. Sec. 1127B.1.
- At least one accessible route within the boundary of the site shall be provided from public transportation stops, accessible parking, accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance they serve. When more than one route is provided, all routes shall be accessible, Sec. 1114B.1.2.
- When more than one building or facility is located on a site, accessible routes of travel shall be provided between buildings and accessible site facilities, Sec. 1114B.1.2 and 1127B.1.
- The accessible route of travel shall be the most practical direct route between accessible building entrances, accessible site facilities, and the accessible entrance to the site to the maximum extent feasible, coinciding with the route for the general public, Sec. 1114B.1.2 and 1127B.1.
- Provide signs displaying the International Symbol of Accessibility at every primary public entrance and at every major junction along or leading to an accessible route of travel. Signs shall indicate the direction to accessible building entrances and shall comply with Section 1117B.5, Sec. 1127B.3.

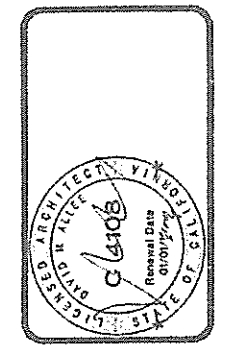
WALKS & SIDEWALKS

- Walks and sidewalks shall have a continuous common surface, not interrupted by steps or by abrupt changes in level exceeding 1/2", and shall be a minimum of 46" in width, Sec. 1137B.7.1.
- When abrupt changes in level not exceeding 1/2" occur, they shall be beveled with a slope no greater than 1:2, except that level changes not exceeding 1/4" may be vertical, Sec. 1137B.7.4 & Fig. 11B-5E (c) and (d).
- Abrupt changes in level along any accessible route exceeding 1/2" shall comply with the requirements for curb ramps, Sec. 1137B.7.4.
- When the slope in the direction of travel of any walk exceeds 1" vertical to 20 horizontal it shall comply with the provisions of Section 1133B.5 as a pedestrian ramp, Sec. 1133B.7.3.
- Walk and sidewalk surface cross slopes shall not exceed 1/4" per foot, Sec. 1133B.7.1.3.
- Walks shall be provided with a level area not less than 60" by 60" at a door or gate that swings toward the walk, and not less than 48" wide by 44" deep at a door or gate that swings away from the walk, Sec. 1133B.7.5.
- Walks shall extend a minimum of 24" to the side of the strike edge of a door or gate that swings toward the walk, Sec. 1133B.7.5.
- All walks with continuous gradients shall have level areas at least 5' in length at intervals of at least every 400', Sec. 1133B.7.6.
- Walk and sidewalk surfaces with a slope of less than 6% gradient shall be at least as slip-resistant as that described as a medium called finish, Sec. 1133B.7.1.1.
- Walk and sidewalk surfaces with a slope of 6% or more gradient shall be at least as slip-resistant, Sec. 1133B.7.1.2.
- Walks, sidewalks, and pedestrian ways shall be free of gratings whenever possible. For gratings located in the surface of any of these areas, grid openings in gratings shall be no greater than 1/2" wide in one direction. If gratings have elongated openings, they shall be placed so that the long dimension is perpendicular to the dominant direction of travel, Sec. 1023.2 & Fig. 11B-7B (a).



(a) Straight Ramp Run
Figure 11B-38 (a)

(b) Ramp With Intermediate Switchback Platform
Figure 11B-38 (b)



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**for Disabled Access Regulations
- Pedestrian Ramps**

NOTE: Any path of travel shall be considered a Ramp if its slope is greater than 1" rise in 20' of horizontal run. Sec. 1133B.5.1.

- The maximum slope of a ramp that serves any exitway, provides access for persons with disabilities, or is in the path of travel shall be 1" rise in 12" of horizontal run. Sec. 1133B.5.3.
- The cross slope of ramp surfaces shall be no greater than 1:50. Sec. 1133B.5.3.1.
- Pedestrian ramps serving primary entrances shall have minimum width of 48". Sec. 1133B.5.2.2.
- Pedestrian ramps serving primary entrances to buildings having an occupant load of 300 or more shall have a minimum clear width of 60". Sec. 1133B.5.2.2.
- Ramps serving Group R occupancies may be 36" clear width when the occupant load is 50 or less. Sec. 1133B.5.2.
- Ramps not serving primary entrances to building must have width as required for exits and stairs. Sec. 1133B.5.2.
- Landing shall be provided at the top and bottom of each ramp. Sec. 1133B.5.4.1 & Fig. 11B-38.
- Intermediate landings shall be provided at intervals not exceeding 30' of vertical rise and at each change of direction. Sec. 1133B.5.4.1 & Fig. 11B-38.
- Top landings shall be not less than 60" wide and shall have a length of not less than 60" in the direction of ramp run. Sec. 1133B.5.4.2 & Fig. 11B-38.
- Doors in any position shall not reduce the minimum dimension of the ramp landing to less than 42" and shall not reduce the required width by more than 3" when fully open. Sec. 1005.3.4.4 & Fig. 11B-39.
- The width of the landing shall extend 24" past the strike edge of any door or gate for exterior ramps and 18" past the strike edge for interior ramps. Sec. 1133B.5.4.4 & Fig. 11B-39.
- At bottom and intermediate landings, the width shall be at least the same as required for the ramp. Sec. 1133B.5.4.5 & Fig. 11B-38.
- Bottom and intermediate landings at a change of direction in excess of 90 degrees shall have a dimension in the direction of ramp run of not less than 72" to accommodate the

handrail extension. Sec. 1133B.5.4.6, Fig. 11B-38 (b) & 11B-39 (e).

- Intermediate landings with a change of direction of 30 degrees or less shall have a dimension in the direction of ramp run of not less than 60 inches (1524 mm). Sec. 1133B.5.4.7 & Fig. 11B-38 (e).
- Ramp landings are not considered in determining the maximum horizontal distance of each ramp. Sec. 1133B.5.4.1.
- Handrails are required on ramps that are part of the path of travel, except that at exterior door landings, handrails are not required on ramps less than six inches rise or 72" in length. Sec. 1133B.5.5.1.
- Handrails shall be placed on each side of each ramp, shall be continuous the full length of the ramp, shall be 34" to 38" above the ramp, shall extend a minimum of 1' beyond top and bottom of the ramp, and the ends shall be rounded. Sec. 1133B.5.5.1, Fig. 11B-27 (b) & (c).
- The grip portion of the handrails shall be not less than 1-1/4" nor more than 1-1/2", or the shape shall provide an equivalent gripping surface, and 1" surfaces shall be smooth with no sharp corners. Handrails shall not rotate within their fittings. Sec. 1133B.5.5.1 & Fig. 11B-35.
- Handrails projecting from a wall shall have a space 1-1/2" between the wall and the handrail. Sec. 1133B.5.5.1 & Fig. 11B-35.
- Handrails may be located in a recess if the recess is a maximum of 3" deep and extends at least 18" above the top of the rail. Sec. 1133B.5.5.1 & Fig. 11B-35 (b).
- Any wall or other surface adjacent to the handrails shall be free of sharp or abrasive elements. Edges shall have a minimum radius of 1/8". Sec. 1133B.5.5.1 & Fig. 11B-35 (c).
- Where the ramp surface is not bounded by a wall or fence and the ramp exceeds 10' in length, the ramp shall comply with one of the following requirements: Sec. 1133B.5.6, Fig. 11B-27 (b) & (c).
 - A guide curb a minimum of 2" in height shall be provided at each side of the ramp,
- or
- a wheel guide rail shall be provided, centered 3" ± 1" above the surface of the ramp.

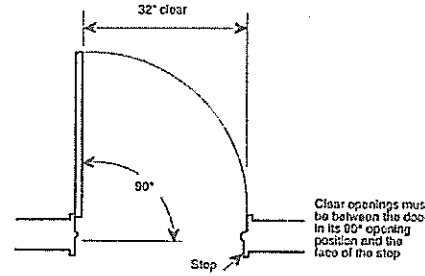


Figure 11B-5B(a)
Door Width
(a) Single Door

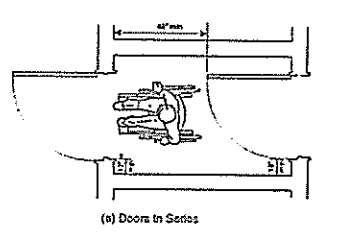


Figure 11B-26(a)
Level Maneuvering Clearance at Doors
(a) Front Approach

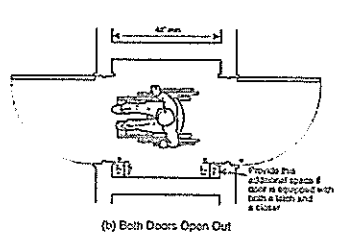


Figure 11B-26(b)
Level Maneuvering Clearance at Doors
(b) Latch Approach

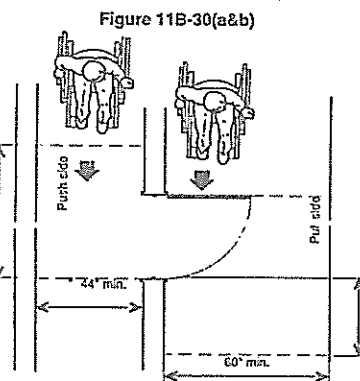


Figure 11B-30(a&b)
Level Maneuvering Clearance at Doors
(b) Hinge Approach

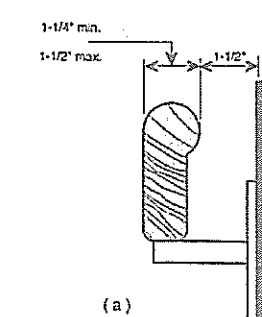


Figure 11B-36

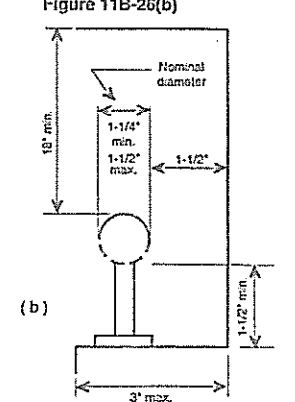


Figure 11B-26(c)
Level Maneuvering Clearance at Doors
(c) Latch Approach

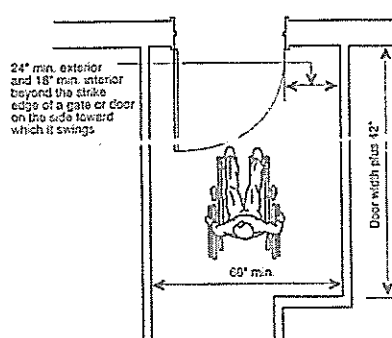


Figure 11B-39(b)
Ramp Landing at Doorway

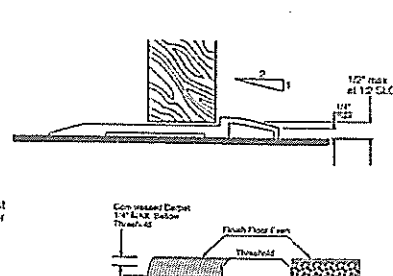


Figure 11B-32

A. ENTRANCES, EXITS & DOORS

NOTE: For the purpose of Title 24, the use of the term Exit Door in Section 1004 applies to all doors that provide access, that is, entrances, passage doors, etc.

- All entrances and all exterior ground floor exit doors to buildings and facilities shall be made accessible to persons with disabilities. Sec. 1133B.1.1.1.
- Revolving doors shall not be used as a required entrance for persons with disabilities. Sec. 1133B.2.3.3.
- During periods of partial or restricted use of a building or facility, the entrances used for primary access shall be accessible to a person with disabilities. Sec. 1133B.1.1.1.2.
- All gates, including ticket gates, shall meet all applicable accessibility specifications of doors. Sec. 1133B.1.1.1.4.
- Latching and locking doors that are hand-activated and which are in a path of travel shall be operable with a single effort by lever type hardware, panic bars, push-pull activating bars, or other hardware designed to provide passage without requiring the ability to grasp the opening hardware. Locked exit doors shall operate as above in egress direction. Sec. 1133B.2.5.1.
- Doors to individual hotel or motel units shall operate similarly, to above, except that when a bolt and unlatching operation is key operated from corridor or exterior side of unit door, large key knobs 2" (full bow) or 1-1/4" (flat bow) shall be provided in lieu of lever type hardware on the corridor side. Separate dead-lock activation on room side of corridor doors in hotels or motels shall have lever handle or large thumb turn on an easily reached location. Sec. 1133B.2.5.1.
- Hand-activated door opening hardware shall be centered between 30" and 48" above the floor. Sec. 1133B.2.5.1.
- The width and height of doorways shall comply with section 1003.3.1.3a. Every required exit doorway shall be of a size as to permit the installation of a door not less than 3 feet (914 mm) in width and not less than 8 feet 8 inches (2632 mm) in height. When installed in exit doorways, exit doors shall be capable of opening at least 90 degrees and shall be so mounted that the clear width of the exit is not less than 32 inches (813 mm). Sec. 1133B.2.2, Fig. 11B-33.
- For hinged doors, the opening width shall be measured with the door positioned at an angle of 90 degrees from its closed position. Sec. 1133.2.2(a).
- Where a pair of doors is utilized, at least one of the doors shall provide a clear, unobstructed opening width of 32" with the leaf positioned at an angle of 90 degrees from its closed position. Sec. 1133B.2.3.2.
- When an automatic door operator is utilized to operate a pair of doors, at least one of the doors shall provide a clear, unobstructed opening width of 32" with the leaf positioned at an angle of 90 degrees from its closed position. Sec. 1133B.2.3.2.
- Minimum maneuvering clearances at doors shall be as shown in Figure 11B-26A & B. The floor or ground area within the required clearances shall be level and clear. Sec. 1133B.2.4.2.
- There shall be a level and clear floor landing on each side of a door. The level area shall have a length in the direction of door swing of at least 60" and the length opposite the direction of door swing of 48" as measured at right angle to the plane of the door in its closed position. Sec. 1133B.2.4.2 & Figs. 11B-26 A & B.
- Where the door opens into a stair of a smoke-proof enclosure, the landing need not have a length of 60". Sec. 1133B.1.1.1.1 ex 1.
- The width of the level area on the side to which the door swings shall extend a minimum of 24" past the strike edge of the door for exterior doors and a minimum of 18" past the strike edge for interior doors. Additional 12" is required at the push side, if door is equipped with both latch and closer. Sec. 1133B.2.4.2 & Figs. 11B-26 A & B.
- The floor or landing shall be not more than 1/2" lower than the threshold of the doorway. Sec. 1133B.2.4.1 & Fig. 11B-32.
- In existing stairways where there is no landing, doors shall be conspicuously marked with a sign stating, "Danger! Stairway-No Landing" or equivalent wording and there shall be adequate illumination. Sec. 1003.3.1.3.2 ex 3.
- The space between two consecutive door openings in a vestibule, serving either a required exit stairway, shall provide a minimum of 48" of clear space from any door opening into such vestibule when the door is positioned at an angle of 90 degrees from its closed position. Doors in a series shall swing either in the same direction or away from the space between the doors. See Figures 11B-30 & 11B-31 for design alternatives. Sec. 1133B.2.4.4.
- The bottom 10" of all doors except automatic and sliding shall have a smooth, uninterrupted surface to allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition. Where narrow frame doors are used, a 10" high smooth panel shall be installed on the push side of the door, which will allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition. Sec. 1133B.2.6 & Fig. 11B-29.

- Recessed doorsets shall be adequately anchored to prevent interference with wheelchair traffic. Sec. 1133B.1.1.1.3 & Fig. 11B-25.

- Maximum effort to operate doors shall not exceed 8-1/2 pounds for exterior doors, and 5 pounds for interior doors, such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the door may be increased to the maximum allowable by the appropriate administrative authority, not to exceed 15 pounds. Sec. 1133B.2.5.
- Where turnbuckles and crowd control barriers are utilized in a facility for the purpose of providing fully controlled access, such as where an admission price is charged, a door or gate that is accessible to persons with disabilities shall be provided adjacent to each turnbuckle exit or entrance. This alternate passageway shall be maintained in unlocked condition during business hours and the door or gate shall not activate a publicly audible alarm system. The door or gate may be latched where all gates are restricted and controlled by an attendant and a sign is posted stating, "All gates are restricted and controlled by an attendant. Where posts, rails, or other pedestrian controls are utilized to control crowd control access or lanes, a minimum of one lane shall be accessible and shall provide a minimum aisle width no less than indicated in Figure 11B-5E (a) and (b) with 32 inches (813 mm) of clear opening." Sec. 1133B.2.3.4.

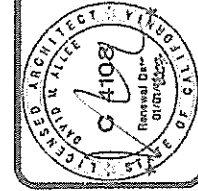
B. AREAS FOR EVACUATION ASSISTANCE

NOTE: Areas for Evacuation Assistance are not required in buildings or facilities having a supervised automatic sprinkler system. Sec. 1114B.2.1 Exception 1.

NOTE: In alterations of existing buildings, Areas of Evacuation Assistance are not required. Sec. 1114B.2.1 Exception 2.

- In buildings or portions of buildings required to be accessible, accessible areas of egress shall be provided in the same number as required for exits by Chapter 10. Sec. 1114B.2.1.
- When an exit required by Chapter 10 is not accessible, an area for evacuation assistance shall be provided and shall adjoin an accessible route of travel. Sec. 1114B.2.1.
- An area for evacuation assistance complying with Sec. 1114B.2.2.1 shall be provided.
- Each area for evacuation assistance shall provide at least two accessible areas that are not less than 30" by 48". The area for evacuation assistance shall not encroach on any required exit width. The total number of such 30" by 48" areas per story shall be not less than one for every 200 persons of calculated occupant load served by the area for evacuation assistance. Sec. 1114B.2.2.2.
- Each stairway adjacent to an area for evacuation assistance shall have a minimum clear width of 48" between handrails. Sec. 1114B.2.2.3.
- A method of two-way communication shall be provided between each area of evacuation assistance and the primary entrance. A button in the area of rescue assistance shall activate both a light in the area of rescue assistance indicating that rescue has been requested and a light at the primary entry indicating that rescue is being requested. A button at the primary entry shall activate both a light at the primary entry and a light in the area of rescue assistance indicating that the request has been received. A telephone with controlled access to a public telephone system or another method of two-way communication shall be provided between each area of refuge and the primary building entry. The fire department may approve a location other than the primary entry. Sec. 1114B.2.2.4.2.
- Each area for evacuation assistance shall be identified by a sign which states, "AREA FOR EVACUATION ASSISTANCE" and the international Symbol of Accessibility. The sign shall be illuminated when exit sign illumination is required. In each area for evacuation assistance, instructions on the use of the area for evacuation assistance shall be provided. Sec. 1114B.2.2.4.1.
- Within a building of any height or occupancy constructed in accordance with the requirements of Sections 403.1 through 403.10, an area for evacuation assistance may be located in the elevator lobby (high-rise alternative) when: Sec. 1114B.2.3.
 - The area for evacuation assistance complies with the requirements for size, two-way communication, and identification as specified in Section 1114B.2.2.
 - Elevator shafts and adjacent lobbies are pressurized as required for smoke-proof enclosures in Section 1005.3.3. Such pressurization system shall be activated by smoke detectors on each floor located in a manner approved by the building official. Pressurization equipment and its ductwork within the building shall be separated from other portions of the building by a minimum two hour fire-resistive construction.

NOTES
Note #1: When door swings onto landing - 42" min. plus door width.
Note #2: Maximum horizontal distance of each ramp and run vary.



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**Disabled Access Regulations
- Sanitary Facilities**

A. GENERAL

- Sanitary facilities that serve buildings, facilities or portions of buildings or facilities that are required to be accessible to persons with disabilities are required to be accessible. Sec. 1115B.1.
- Where separate facilities are provided for non-disabled persons of each sex, separate facilities shall be provided for persons with disabilities of each sex also. Where unisex facilities are provided for non-disabled persons, at least one unisex facility shall be provided for persons with disabilities within close proximity to the non-accessible facility. Sec. 1115B.2.
- Where facilities are to be used solely by small children, the specific heights may be adjusted to meet their accessibility needs. See Table 1115B-1 Sec. 1115B.3.
- Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle 1/4" thick with edges 12" long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle 1/4" thick and 12" in diameter. Sec. 1115B.5.
- Unisex sanitary facilities shall be identified by a circle 1/4" thick, 12" diameter, with a 1/4" thick triangle superimposed on the circle and within the 12" diameter. Sec. 1115B.5.
- Geometric (circle and triangle) symbols on sanitary facility doors shall be centered on the door at a height of 60" and their color and contrast shall be distinctly different from the color and contrast of the door. Sec. 1115B.5.
- Additional signage requirements: Raised letters shall be provided and shall be accompanied by Braille in conformance with Section 1117B.5.6. They shall be installed on the wall adjacent to the latch side of the door. Where there is no wall space on the latch side, including at double leaf doors, signs shall be placed on the nearest adjacent wall, preferably on the right. Mounting height shall be 60 inches above the finish floor to the center line of the sign. Mounting location shall be determined so that a person may approach within 3 inches of signage without encountering protruding objects or standing within the swing of a door. Sec. 1117B.5.9.

B. SINGLE ACCOMMODATION SANITARY FACILITIES

- There shall be sufficient space in the toilet room for a wheelchair measuring 30" wide by 48" long to enter the room and permit the door to close. Sec. 1115B.7.2.
- There shall be in the room a clear floor space of at least 60" in diameter, or a T-shaped space complying with Figure 11B-12(b). No door shall encroach into this space for more than 12". Sec. 1115B.7.2 & Fig. 11B-1A.
- The water closet shall be located in a space which provides a minimum 28" wide clear space from a fixture or a minimum 32" wide clear space from a wall at one side. The other side shall provide 18" from the center line of the water closet to the wall. A minimum 48" clear space shall be provided in front of the water closet. Sec. 1115B.7.2 & Fig. 11B-1A.
- All doors, fixtures and controls shall be on an accessible route with a minimum clear width of 35" except at doors. If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Figure 11B-5E. Sec. 1115B.7.2.

C. MULTIPLE ACCOMMODATION SANITARY FACILITIES

- A clear space measured from the floor to a height of 27" above the floor, within the sanitary facility room, of sufficient area to inscribe a circle with a diameter not less than 60", or a clear space 56" by 53" in size, shall be provided for wheelchair maneuvering. Doors other than the door to the accessible toilet compartment in any position may encroach into this space by not more than 12". Sec. 1115B.7.1.1 & Fig. 11B-1B.
- A water closet fixture located in a compartment shall provide a minimum 28" wide clear space from a fixture or a minimum 32" wide clear space from a wall at one side of the water closet. The other side of the water closet shall provide 18" from the center line of the water closet to the wall. Grab bars shall not project more than 3" into these clear spaces. Sec. 1115B.7.1.2 & Fig. 11B-1B.
- A minimum 48" long clear space shall be provided in front of the water closet if the compartment has an end opening door and a minimum 60" long clear space shall be provided in front of the water closet if the compartment has a door located at the side. Grab bars shall not project more than 3" into these clear spaces. Sec. 1115B.7.1.2, Fig. 11B-1A & 1B.
- Water closet compartments shall be equipped with a door that has an automatic-closing device, and shall have a clear, unobstructed opening width of 32" when located at the end and 34" when located at the side with the door positioned at an angle of 90 degrees from its closed position. Sec. 1115B.7.1.4, Fig. 11B-1A & 1B.
- When standard compartment doors are used, with a minimum 9" clearance for locksets underneath and a self-closing device, clearance at the strike edge as specified in Section 1133B.2.4.3 is not required. Sec. 1115B.7.1.3.
- The inside and outside of the compartment door shall be equipped with a loop or U-shaped handle immediately below the latch. The latch shall be flip-over style, sliding, or other hardware not requiring the user to grasp or twist. Sec. 1115B.7.1.4.
- Except for door opening widths and door swings, a clear, unobstructed access not less than 44" shall be provided to water closet compartments designed for use by persons with disabilities and the space immediately in front of a water closet compartment shall be not less than 48" as measured at a right angle to compartment door in its closed position. Sec. 1115B.7.1.4 & Fig. 11B-1B.
- Where six or more stalls are provided within a multiple accommodation toilet room, in addition to the standard accessible stall required at least one additional stall shall be provided with a width of 39" with an outward swinging self-closing door and parallel grab bars complying with Sections 1115B.8.2 through 115B.8.4. Sec. 1115B.7.1.5.

D. SANITARY FACILITY FIXTURES & ACCESSORIES

- The height of accessible water closets shall be a minimum of 17" and a maximum of 19" measured to the top of a maximum 2" high toilet seat, except that 3" seats shall be permitted only in alterations where the existing fixture is less than 15" high. Sec. 1502 of California Plumbing Code. (CPC)
- A clear floor space 30" by 48" shall be provided in front of a lavatory to allow a forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend into knee and toe space underneath the lavatory. Doors shall not swing into this space. Sec. 1115B.9.1.1 & 1115B.7.1 or see 115B.7.2.
- Lavatories adjacent to a wall shall be mounted with a minimum distance of 18" to the center line of the fixture. Sec. CPC 1504.2.1 Fig. 11B-1A.
- All lavatories that are designed to be accessible shall be mounted with the rim or counter edge no higher than 34 inches above the finished floor and vertical clearance measured from the bottom of the apron or outside bottom edge of the lavatory of 29 inches reducing to 27 inches at a point located 8 inches back from edge. Sec. CPC 1504.2.1
- Hot water and drain pipes under lavatories shall be insulated or otherwise covered. There shall be no sharp or abrasive surfaces under lavatories. Sec. CPC 1504.2.2.
- Where urinals are provided, at least one shall have a clear floor space 30" by 48" in front of the urinal to allow forward approach. Doors shall not swing into this space. Sec. 1115B.9.4.
- Where one or more urinals are provided, at least one with a rim projecting a minimum of 14" from the wall and of a maximum of 17" above the floor shall be provided. Sec. CPC 1503.2.1.
- Controls for water closet flush valves shall be mounted on the wide side of toilet areas. Sec. CPC 1502.0.
- Water closet and urinal flush valve controls, and faucet and operating mechanism controls, shall be operable with one hand, shall not require tight grasping, pinching, or twisting of the wrist, and shall be mounted no more than 44" above the floor. Sec. CPC 1502, 1503.2, & 1504.2.1.
- The force required to activate water closet and urinal flush valve controls, and faucet and operating mechanism controls, shall be no greater than 5 lbs. Sec. CPC 1502, 1503.2, & 1504.2.1.
- Self-closing faucet control valves are allowed if the faucet remains open for at least 10 seconds. Sec. CPC 1504.2.1.
- Mirrors shall be mounted with the bottom edge no higher than 40" from the floor. Sec. 1115B.9.1.2.
- Where towels, sanitary napkins, waste receptacles, and other similar dispensing and disposal fixtures are provided, at least one of each type shall be located with all operable parts, including coin slots, within 40" from the finished floor. Sec. 1115B.9.2.
- Toilet tissue dispensers shall be located on the wall within 12" of the front edge of the toilet seat and no lower than 19" from the floor. Dispensers that control delivery of that do not permit continuous paper flow shall not be used. Sec. 1115B.9.3 & Fig. 11B-1A.
- Toilet room floors shall have a smooth, hard, nonabsorbent surface such as Portland cement, concrete, ceramic tile or other approved material which extends upward onto the walls at least 5". Walls within water closet compartments and walls within 24" of the front and sides of urinals shall be similarly finished to a height of 46" and, except for structural elements, the materials used in each wall shall be a type which is not adversely affected by moisture. Sec. 1115B.9.5.

E. GRAB BARS

- Grab bars shall be located on each side, or on one side and the back of the accessible toilet stall or compartment. Sec. 1115B.8.1 & Fig. 11B-1A through 11B-1C.
- Grab bars at the side shall be at least 42" long with the front end positioned 24" in front of the water closet stool and with the back end positioned no more than 12" from the rear wall. Grab bars at the back shall be not less than 35" long. Sec. 1115B.8.1 & Fig. 11B-1A through 11B-1C.
- Grab bars shall be securely attached 33" above and parallel to the floor, except that where a tank-type toilet is used which obstructs placement at 33", the grab bar may be as high as 38". Sec. 1115B.8.1 & Fig. 11B-1A through 11B-1C.
- The diameter or width of the gripping surfaces of a grab bar shall be 1-1/4" to 1-1/2" or the shape shall provide an equivalent gripping surface. If grab bars are mounted adjacent to a wall, the space between the wall and the grab bars shall be 1-1/2". Sec. 1115B.8.2 & Fig. 11B-1C.
- The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the specifications of Sec. 1115B.8.3.
- The grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8". Sec. 1115B.8.4.

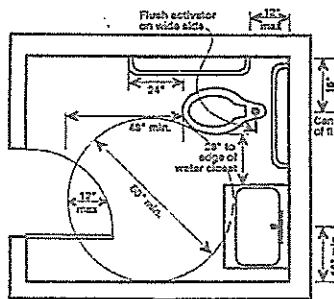
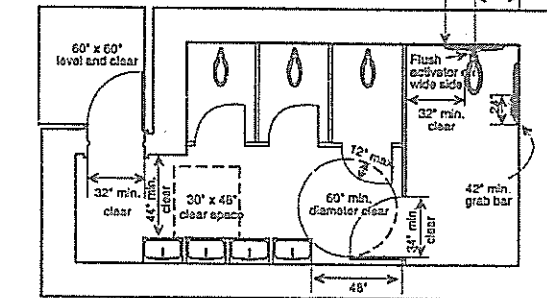
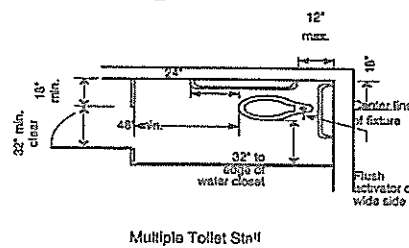
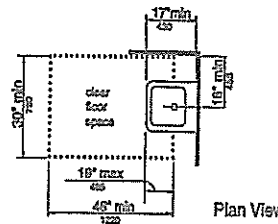
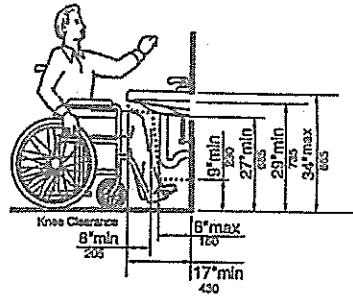
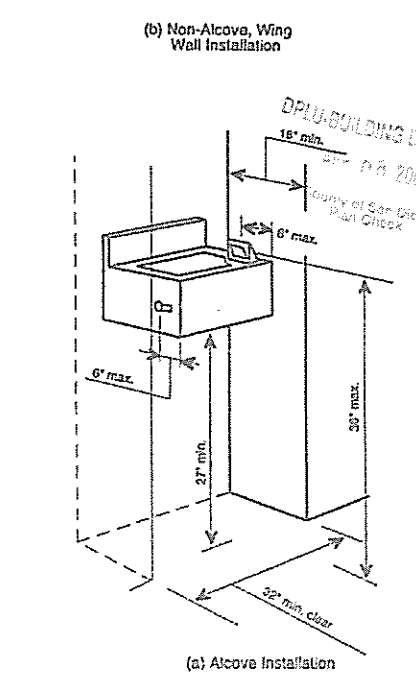
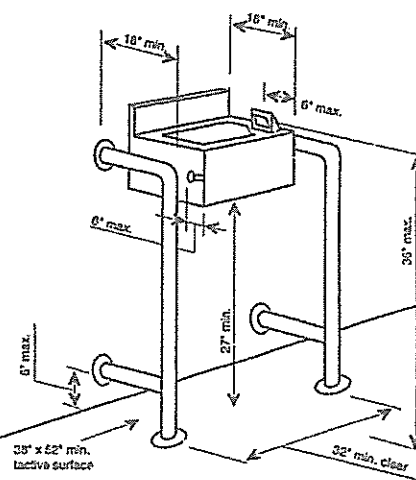


Fig. 11B-1A

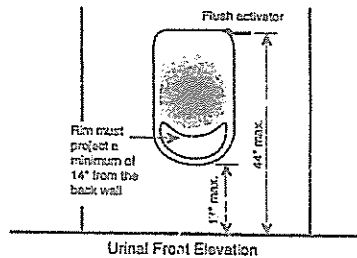
**Disabled Access Regulations
- Drinking Fountains**

- In new construction, where only one drinking fountain area is provided on a floor, there shall be a drinking fountain which is accessible to individuals who use wheelchairs in accordance with Plumbing Code Sec. 1507.0 and one accessible to those who have difficulty bending or stooping. This can be accommodated by the use of "hi-low" fountains, or by such other means as would achieve the required accessibility for each group or on each floor. Sec. 1117.B.1.2.1, Fig. 11B-3 and Sec. 1507.0 of the California Plumbing Code (CPC).
- When more than one drinking fountain area is provided on a floor, at least one low drinking fountain must be provided in close proximity to others. Low drinking fountains must meet the provisions of Sec. 1117B.1.2, Fig. 11B-3, and Sec. 1507.3 of the California Plumbing Code.
- Drinking fountains shall be located completely within alcoves or otherwise positioned so as not to encroach into pedestrian ways. The alcove in which the water fountain is located shall be not less than 32" in width and 18" in depth. Sec. 1117.B.1.2, Fig. 11B-3 and Sec. 1507.3 of the California Plumbing Code (CPC).

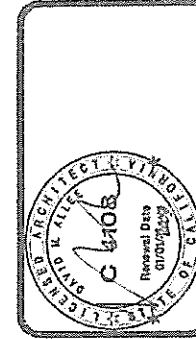
- Low drinking fountains shall be a minimum of 18" in depth and there shall be a clear and unobstructed knee space under the drinking fountain not less than 27" in height and 8" in depth, the depth measurement being taken from the front edge of the low fountain. Sec. 1507.3.1 of CPC & Fig. 11B-3.
- There shall be toe clearance of 9" in height above the floor, and 17" in depth from the front edge of the fountain. Sec. 1507.3.1 of CPC.
- A side approach to the low drinking fountain is not acceptable. Sec. 1507(1) of CPC.
- The low drinking fountain bubbler shall be activated by a manually operated system *not requiring a force greater than 5 lbs (22.2 N)* that is located within 6 inches (152 mm) of the front edge of the fountain or an electrically controlled device *not available*. Sec. 1507(2) of CPC & Fig. 11B-3.
- The bubbler outlet orifice shall be located within 6" of the front of the low drinking fountain and shall be within 39" of the floor. The water stream from the bubbler shall be substantially parallel to the front edge of the drinking fountain. Sec. 1507.3.3 of CPC & Fig. 11B-3.



(a) Alcove Installation



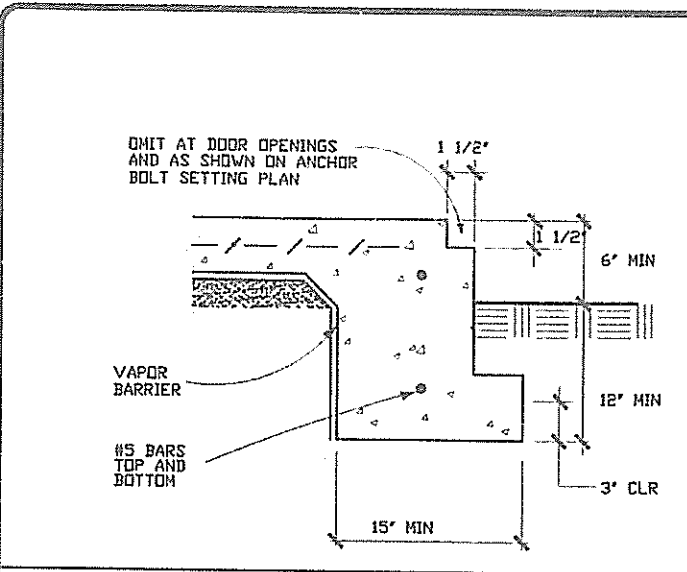
Urinal Front Elevation



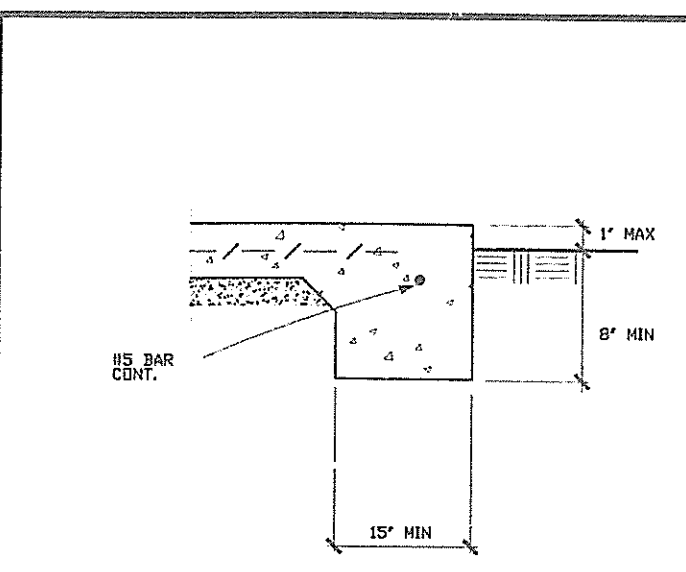
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PROJECT
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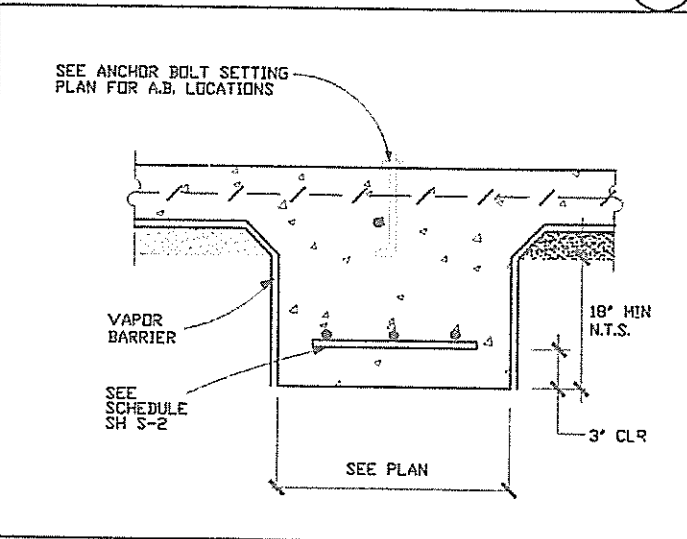
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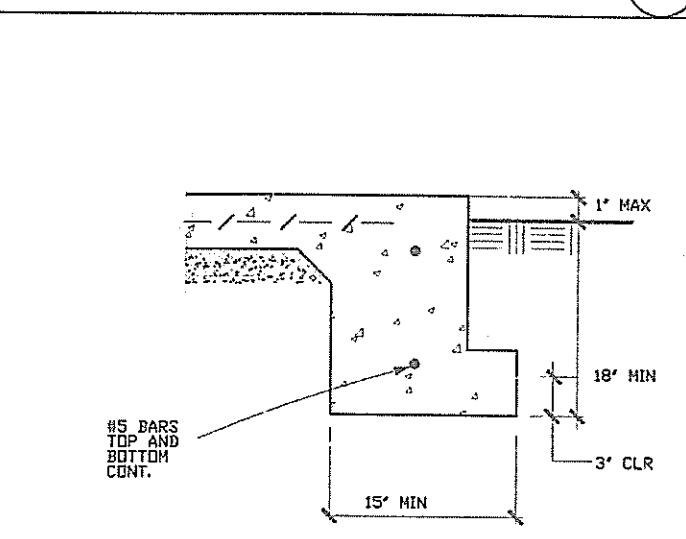
FOOTING **A**



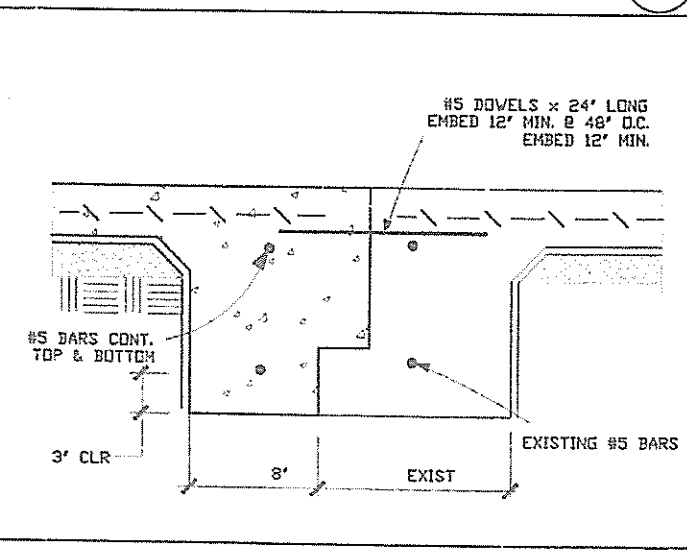
FOOTING **D**



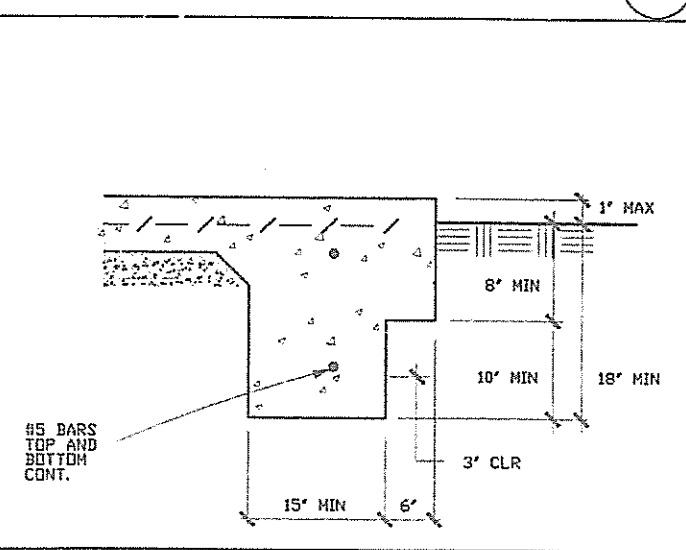
COLUMN FOOTING **B**



FOOTING **E**



NEW TO EXIST **C**



FOOTING **F**

Structural Notes

DESIGN LOADS

VERTICAL LOADS:	Live Loads:	Roof	16 PSF
		Floor	40
	Dead Loads:	Decks	60
		Roof	15
		Floor	15
		Walls	15

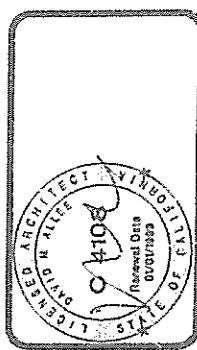
- FOUNDATION**
- SOIL: BY OBSERVATION
 - BASE DESIGN SOIL PRESSURE: 1500 POUNDS PER SQUARE FOOT FOR DEAD AND LIVE LOAD, INCREASED BY 20 PERCENT FOR EACH ADDITIONAL FOOT OF WIDTH OF DEPTH, TO A MAXIMUM OF 3000 POUNDS PER SQUARE FOOT.
 - IF THE BUILDING INSPECTOR SUSPECTS EXPANSIVE SOIL BASED ON OBSERVATION OF THE FOUNDATION EXCAVATION, HE MAY REQUIRE SOIL EXPANSION INDEX TESTS IN ACCORDANCE WITH USC STANDARD 29-2, AND RESUBMITTAL OF PLANS TO PLAN CHECK TO VERIFY THE SOIL ENGINEER'S RECOMMENDATIONS HAVE BEEN INCORPORATED.
 - PROVIDE A MINIMUM OF 7 FEET HORIZONTAL DISTANCE TO DAYLIGHT, MEASURED TO THE BASE OF ALL FOOTINGS.
 - HOLD DOWN ANCHORS, WHERE REQUIRED, SHALL BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION, UNLESS POST DRILLED ICBO APPROVED ANCHORS ARE SHOWN.
 - POWER DRIVEN PINS SHALL NOT BE USED, IN LIEU OF ANCHOR BOLTS, AT SLAB EDGES.

- CONCRETE**
- CONCRETE SHALL BE 2500 PSI COMPRESSIVE STRENGTH AT 28 DAYS, WITH A MAXIMUM OF 7 GALLONS OF WATER PER SACK OF CEMENT, OR 1 PART PORTLAND CEMENT, 2 1/2 PARTS SAND, 3-1/2 PARTS 3/4 INCH MAXIMUM-SIZE GRAVEL.
 - MATERIALS: PORTLAND CEMENT: ASTM C-150, TYPE I. REINFORCING: ASTM INTERMEDIATE GRADE DEFORMED, ASTM C-33, 1" MAX. AGGREGATES: WATER: POTABLE.
 - ALL REINFORCEMENT STEEL SHALL BE BENT AND PLACED IN ACCORD WITH THE "CODE OF STANDARD PRACTICE AND THE SPECIFICATION FOR PLACING REINFORCEMENT" OF THE CONCRETE REINFORCEMENT STEEL INSTITUTE, LATEST ED.
 - FORMS SHALL BE LAID TRUE. NO CONCRETE SHALL BE POURED BEFORE ALL REINFORCEMENT STEEL, CONDUITS, OUTLET BOXES, ANCHORS, HANGERS, SLEEVES, BOLTS AND PIPES OR OTHER EMBEDDED MATERIALS ARE SECURELY FASTENED IN THEIR PROPER POSITIONS. NO CONCRETE NO CONCRETE THAT HAS BEEN PARTIALLY HARDENED, BEEN RETEMPERED OR CONTAMINATED BY FOREIGN MATERIAL SHALL BE USED.

- REINFORCING STEEL**
- REINFORCING STEEL SHALL BE DEFORMED TYPE BARS CONFORMING TO ASTM A-615 GRADE 40.
 - LAP SPLICE AT CONTINUOUS REINFORCING STEEL 40 DIAMETERS OR 24 INCHES WHICHEVER IS GREATER.
 - COVER FOR REINFORCING STEEL SHALL BE A MINIMUM OF 3 INCHES AT FOOTINGS, 1-1/2 INCHES AT EXPOSED FACE OF WALLS AND 2 INCHES AT WALL FACES AGAINST EARTH.
 - MACHINE BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHAPES, PLATES AND ROLLED SECTIONS SHALL CONFORM TO A.S.T.M. A-36.
 - MISCELLANEOUS METAL ITEMS SHALL CONFORM TO ASTM A-283, ASTM A-36, OR COMMERCIAL QUALITY MILD STEEL.
 - BOLTS SHALL CONFORM TO ASTM A-307, GRADE A, UNFINISHED.

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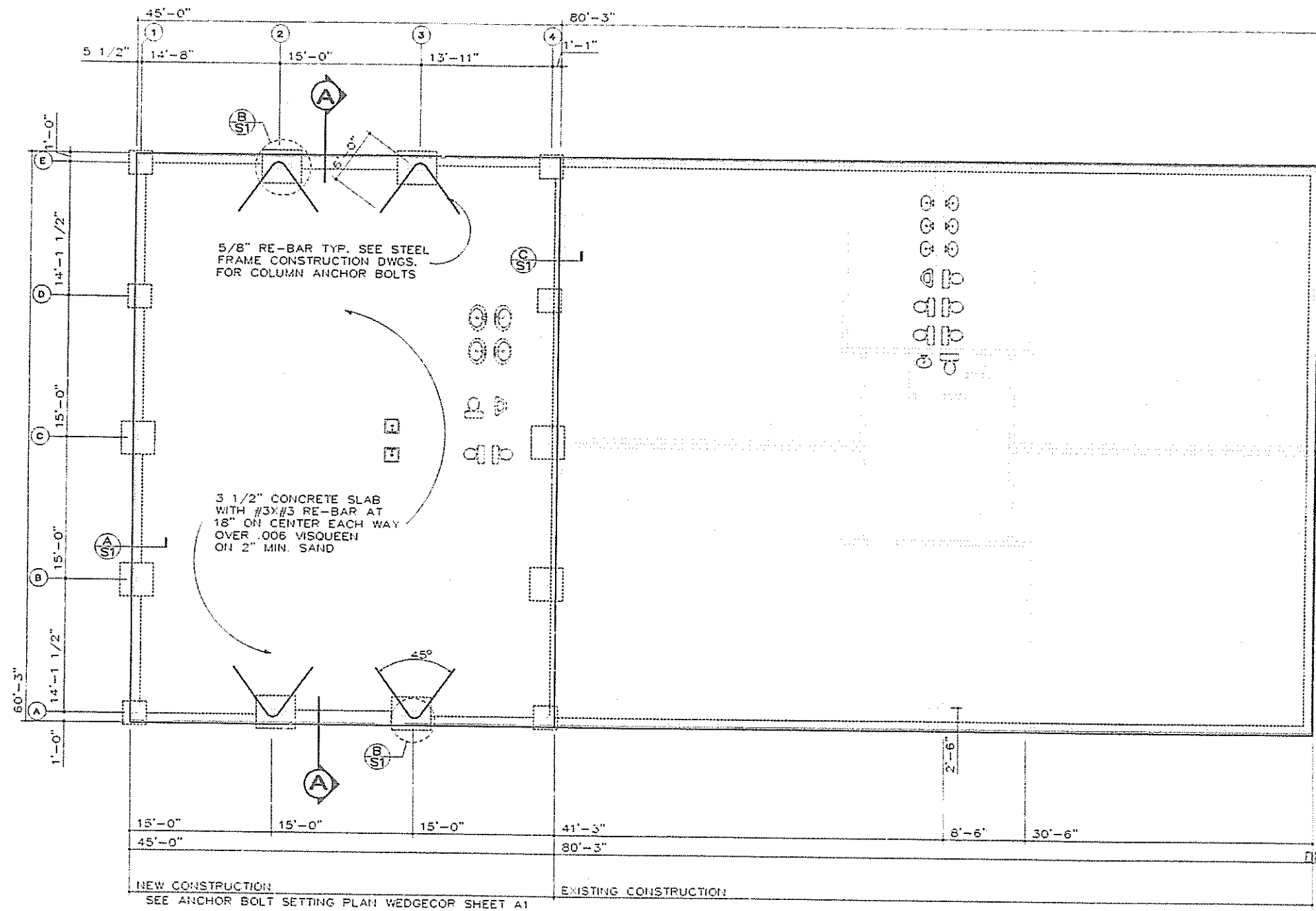


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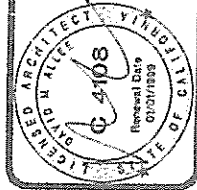
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FOOTING SCHEDULE			
LOCATION	SIZE	DEPTH	REINFC.
1 A	30"x50"	18"	-
1 B	42"x50"	18"	3 #5 EACH WAY
1 C	42"x50"	18"	3 #5 EACH WAY
1 D	30"x50"	18"	-
1 E	30"x50"	18"	-
4 A	30"x50"	18"	-
4 B	42"x50"	18"	3 #5 EACH WAY
4 C	42"x50"	18"	3 #5 EACH WAY
4 D	30"x50"	18"	-
4 E	30"x50"	18"	-
2 A	42"x48"	18"	3 #5 x 5 #5
2 C	42"x48"	18"	3 #5 x 5 #5
3 A	42"x48"	18"	3 #5 x 5 #5
3 E	42"x48"	18"	3 #5 x 5 #5

foundation plan



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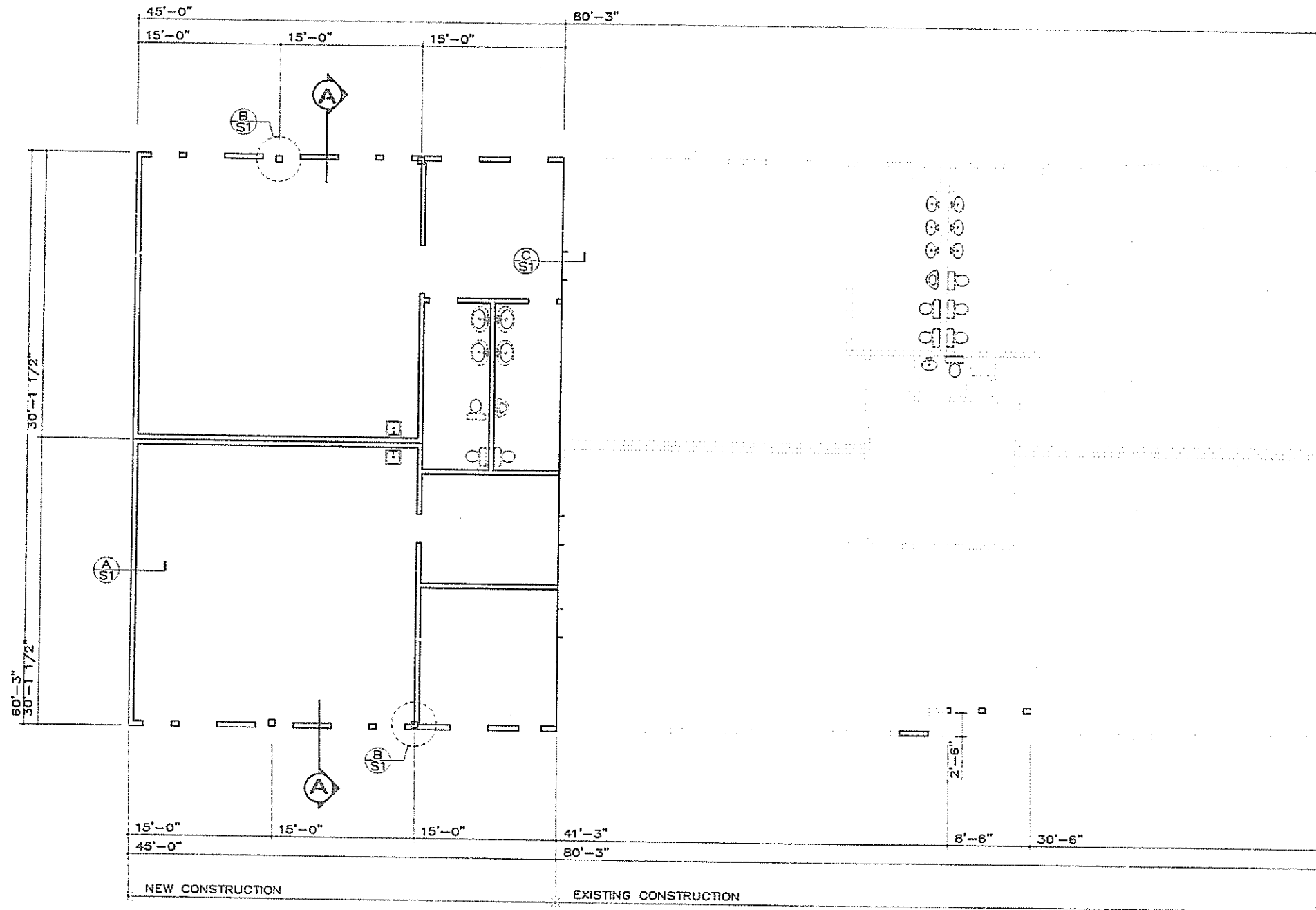
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PROJECT
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DATE 8-12-00
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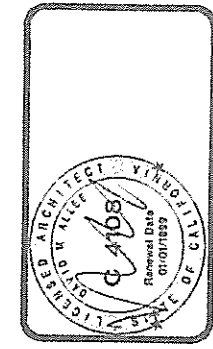
partition plan

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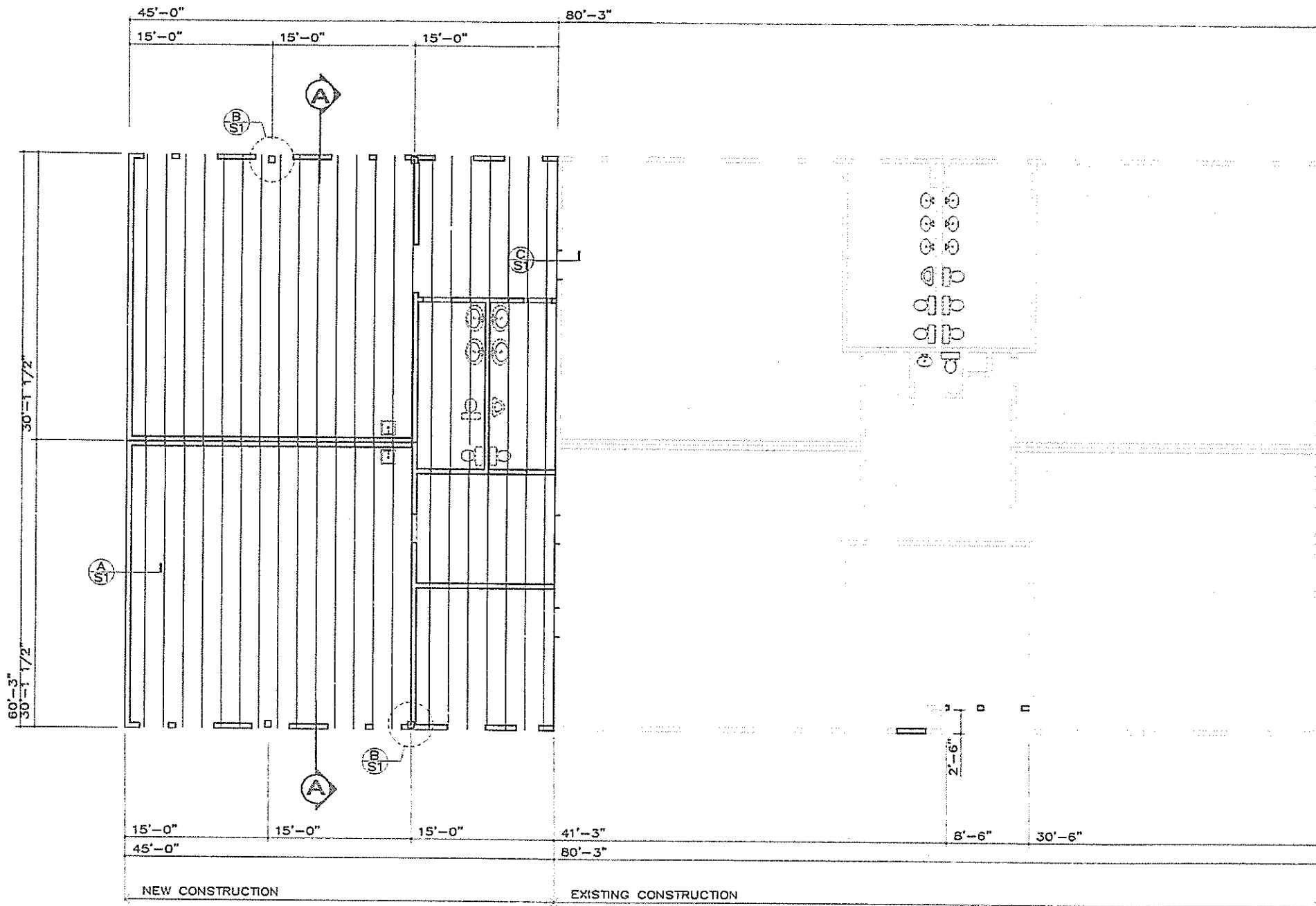
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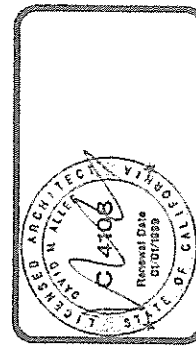
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ceiling joist plan

INCORPORATED
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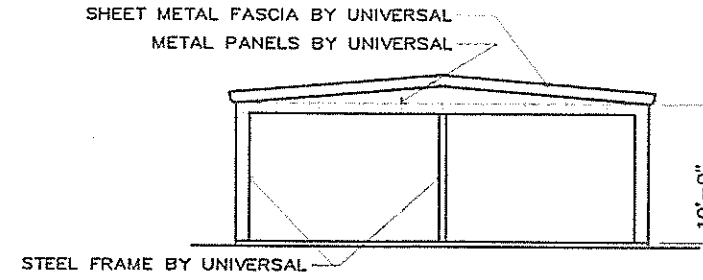


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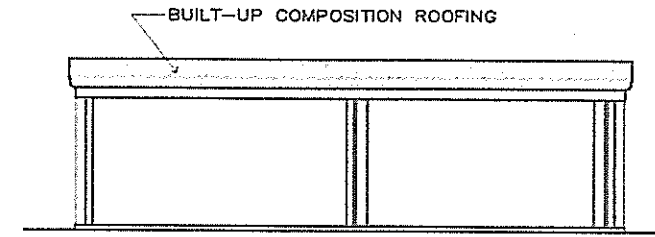
David Markwell Allee
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SCALE 1/8"=1'-0"
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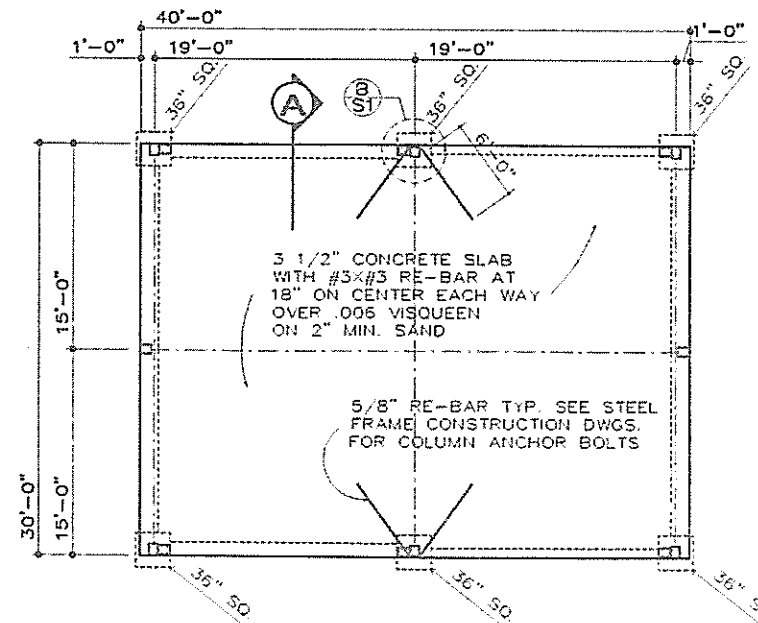


south elevation



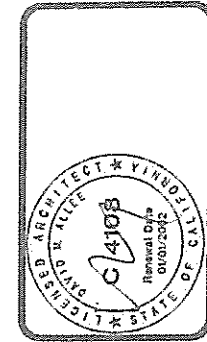
east elevation

cross section a-a



pavillion foundation plan

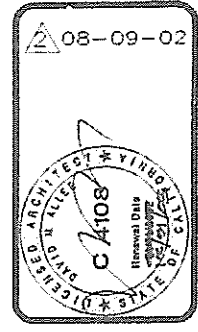
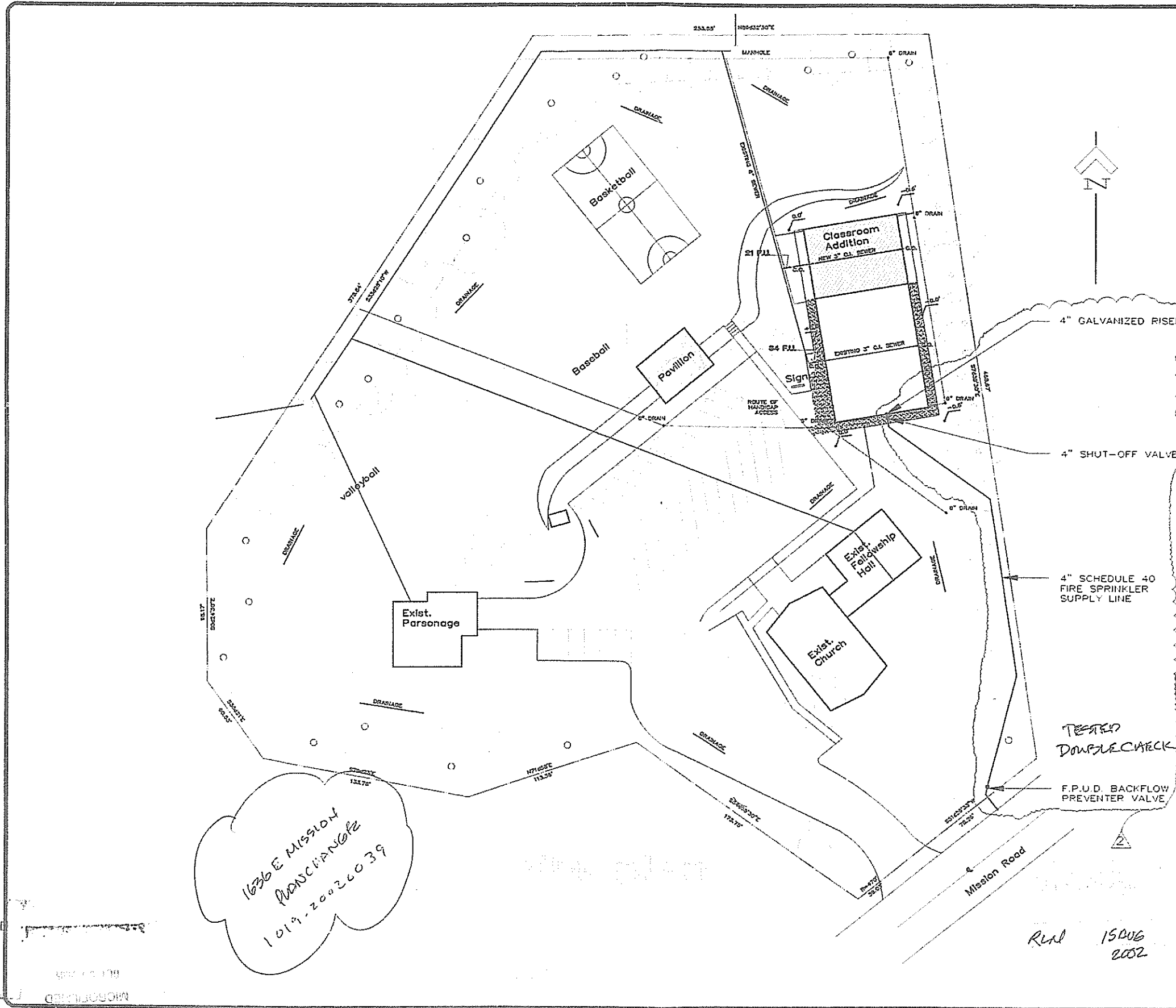
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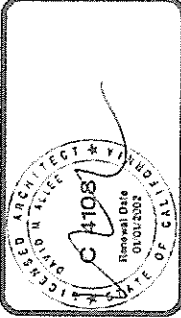
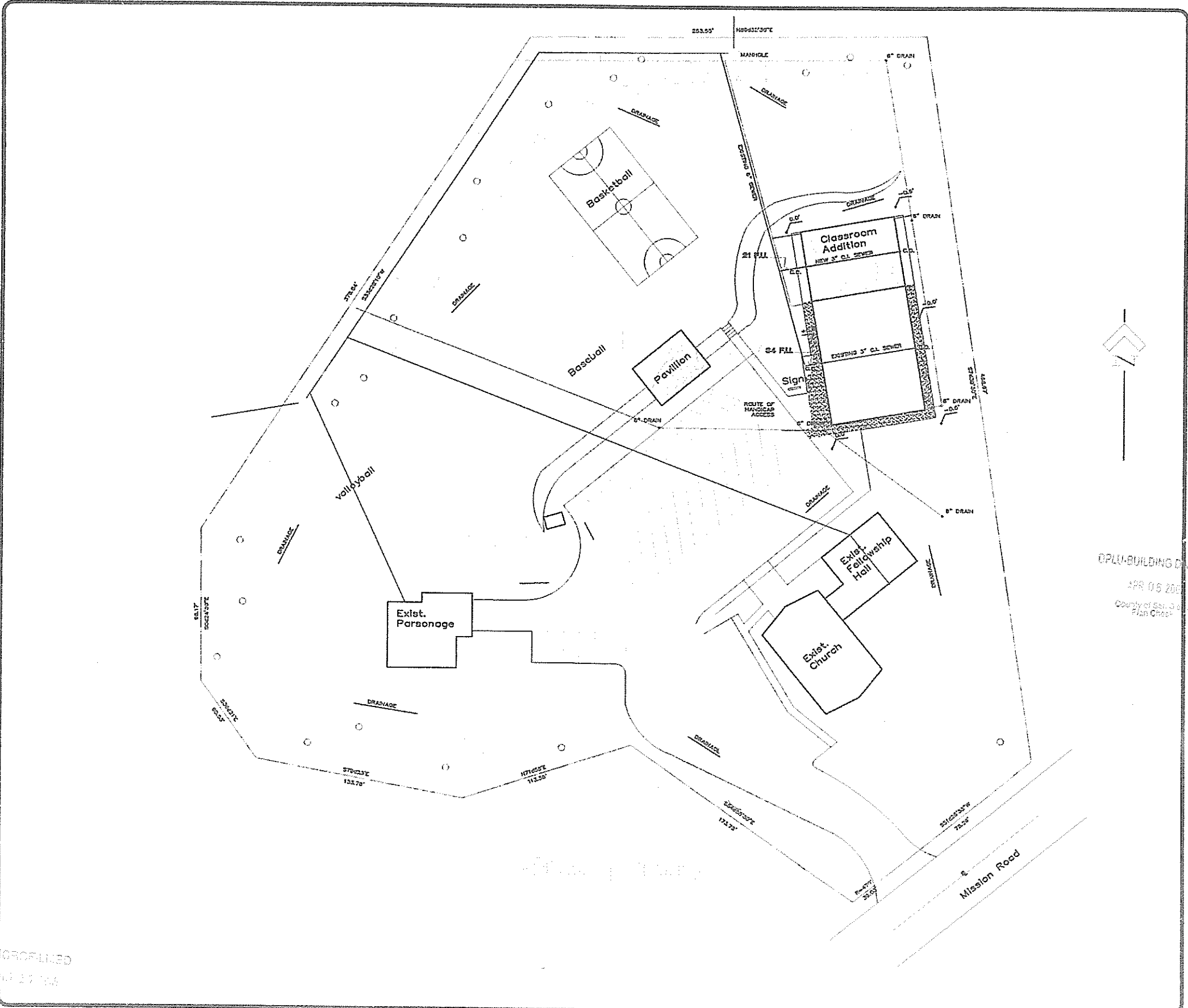
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SCALE 1/8"=1'-0"
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PROJECT
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SCALE 1" = 4'
DATE 03-08-02
P1



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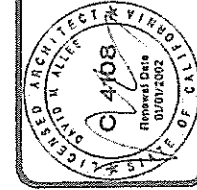
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03-08-02

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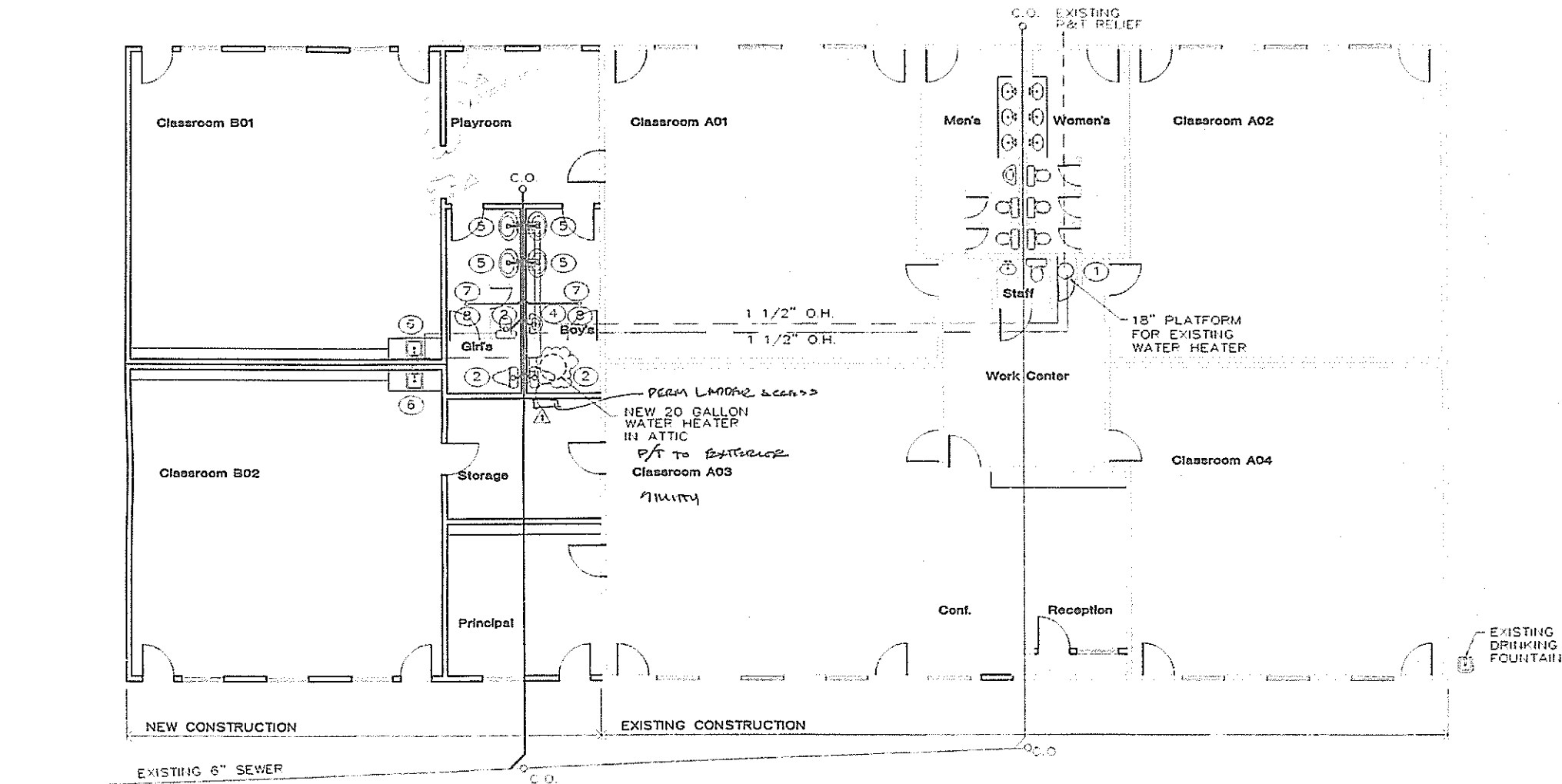
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plumbing plan

equipment schedule					NEW		EXISTING					
SYM	FIXTURE	MANUFACTURE/MODEL	CW	HW	WASTE	VENT	F.U.	QTY.	TOT.	F.U.	QTY.	TOT.
1	WATER HEATER	RHEEM 21V30 30 GAL	1 1/2"	1 1/2"	(30,000 BTUH)							
2	TOILET	ELVER 091-1010	1 1/2"		3"	2"	3	3	9	3	6	18
4	URINAL	AM-STANDARD	1 1/2"		2"	1-1 1/2"	4	1	4	4	1	4
5	LAVATORY	AM-STANDARD	1 1/2"	1 1/2"	1-1 1/2"	1-1 1/2"	1	4	4	1	4	4
6	SINK	COMMERCIAL ENAMELING 776-HI-LO	1 1/2"	1 1/2"	1-1 1/2"	1-1 1/2"	2	2	4	2	4	5
7	FLOOR DRAIN	DEARBORN			2"		0	2	0	0	2	0
8	TRAP PRIMER	ZURN P600-TPE	1 1/2"									
								21			34	

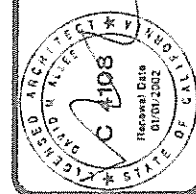
LEGEND

- COLD WATER
- HOT WATER
- EXISTING SEWER
- NEW SEWER

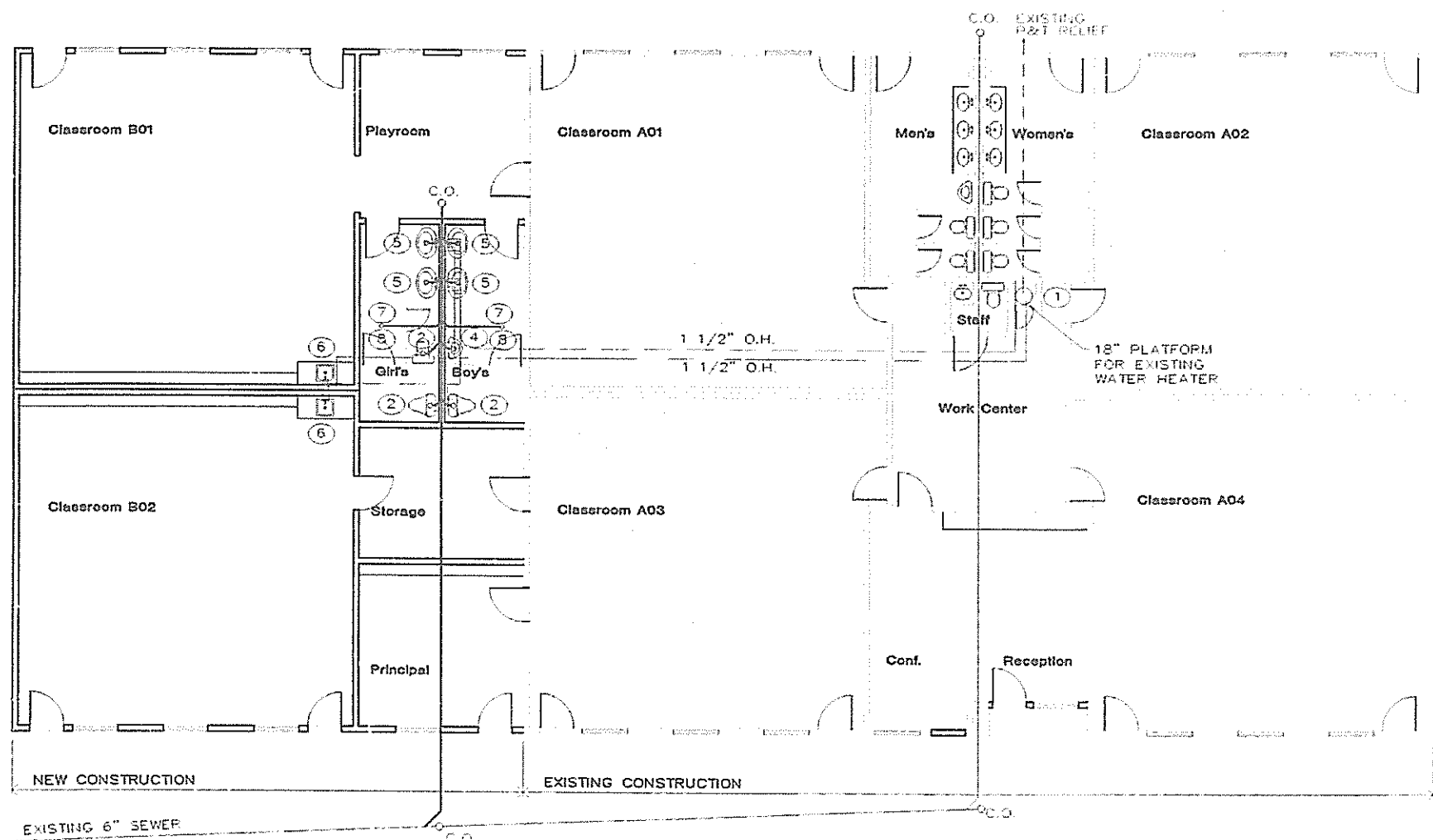
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EXISTING DRINKING FOUNTAIN

plumbing plan

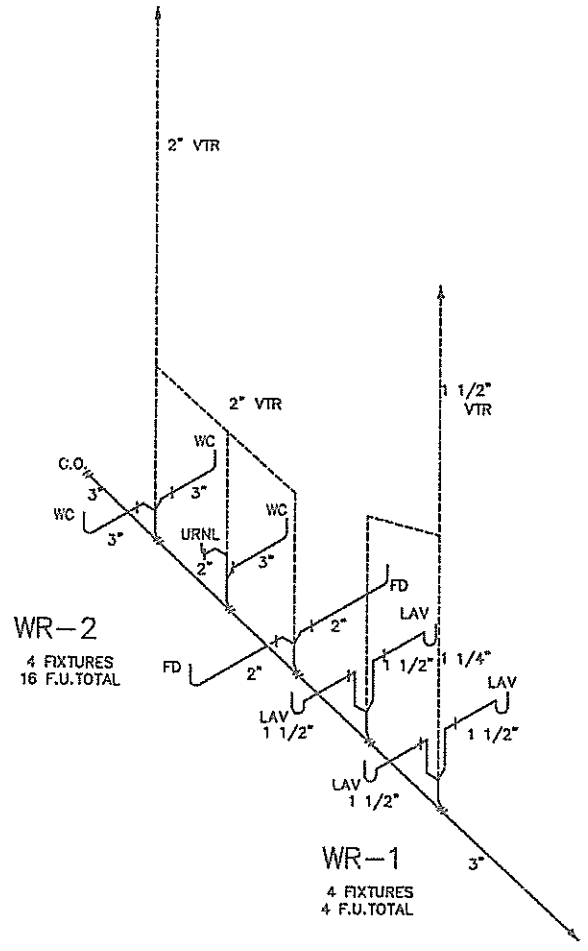
equipment schedule				NEW		EXISTING	
SYM	FIXTURE	MANUFACTURE/MODEL	CW HW WASTE VENT	F.U.	QTY. TOT.	F.U.	QTY. TOT.
1	WATER HEATER	RHEEM 21V30 30 GAL	1 1/2" 1 1/2" (30,000 BTUH)				
2	TOILET	ELJER 691-1010	1 1/2" 3" 2"	3	3	3	6
4	URINAL	AM-STANDARD	1 1/2" 2" 1-1 1/2"	4	4	4	4
5	LAVATORY	AM-STANDARD	1 1/2" 1 1/2" 1-1 1/2" 1-1 1/2"	1	4	1	4
6	SHR	COMMERCIAL ENAMELING 776-HI-LO	1 1/2" 1 1/2" 1-1 1/2" 1-1 1/2"	2	2	2	4
7	FLOOR DRAIN	BEARBORN	2"	0	2	0	2
8	TRAP PRIMER	ZURN P600-TPE	1 1/2"	0	2	0	2
					21		34

LEGEND
 - - - - - COLD WATER
 - - - - - HOT WATER
 - - - - - EXISTING SEWER
 - - - - - NEW SEWER

NOTORIFIED
 3/21/02

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 03-08-02
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WASTE & VENT ISOMETRIC

DRAIN AND WASTE LINE SHALL SLOPE 1/4 PER FOOT MINIMUM.

DATE: 01-08-02
 DRAWN BY: MAC

PLUMBING NOTES

ADDITIONAL PLUMBING REQUIREMENTS ARE NOTED ELSEWHERE, INCLUDING ARCHITECTURAL DRAWINGS.

GENERAL

1. CODES AND ORDINANCES SHALL BE THE MINIMUM REQUIREMENTS OF THIS CONTRACT AND SHALL TAKE PRECEDENCE OVER CONTRACT DOCUMENTS, EXCEPT WHERE SUCH DOCUMENTS EXCEED CODE AND ORDINANCE REQUIREMENTS.
2. VERIFY ALL INCOMING SERVICE AND MAKE FINAL HOOK-UP TO ALL APPLICABLE EQUIPMENT. PROVIDE ALL MATERIALS AND EQUIPMENT FOR COMPLETE INSTALLATION, INCLUDING, BUT NOT LIMITED TO, PIPING, TEES, ELBS, TRAPS, REGULATORS, FIXTURES AND FITTINGS.
3. VENTS SHALL BE TURNED BACK INTO ATTIC SPACE 2 FEET MINIMUM FROM EXTERIOR WALLS.
4. PROVIDE 32 INCHES CLEAR WIDTH AND 24 INCHES CLEAR FRONT AT WATER CLOSETS.
5. ALL VENTS AND FLUES SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

GAS PIPING MATERIALS

1. ALL PIPING SHALL BE STANDARD WEIGHT BELOW GRADE PER IAPMO INSTALLATION STANDARD.

WATER SYSTEM

1. WATER SYSTEMS SHALL BE PIPED TO EACH FIXTURE WITH TYPE COPPER PIPE ABOVE GROUND AND TYPE L COPPER PIPE BELOW GROUND.
2. SIZING AND AS BUILT DRAWINGS SHALL BE PROVIDED UPON COMPLETION OF CONSTRUCTION.

SEWER PIPE

1. USE CAST IRON NO-HUB PIPE AND FITTINGS THROUGH-OUT.

SIZE	TYPE	LENGTH	SLOPE
4"	CAST IRON	150 FEET	1/4" PER FOOT MINIMUM
3"	CAST IRON	160 FEET	1/4" PER FOOT MINIMUM

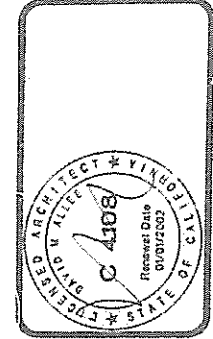
FIXTURES

1. LAVATORY FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER-OPERATED, PUSH TYPE, ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN.
2. LAVATORY FAUCETS SHALL BE SELF-CLOSING METERED TYPE WITH A MAXIMUM FLOW RATE OF 2.0 GALLONS PER MINUTE AND AN ON-CYCLE OF NO MORE THAN 10 SECONDS.
3. WATER CLOSETS SHALL BE OF A SIZE AND HEIGHT SUITABLE FOR CHILDREN'S USE.
4. WATER CLOSET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. (5-1502)
5. CONTROLS TO THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44 INCHES ABOVE THE FLOOR.

VENTING

1. VENTS SHALL EXTEND ABOVE THE ROOF SURFACE, THROUGH A FLASHING, AND TERMINATE IN AN APPROVED OR LISTED VENT CAP WHICH SHALL BE INSTALLED ACCORDING TO ITS LISTING AND MANUFACTURER'S INSTRUCTIONS.
2. A DIRECT VENT OR MECHANICAL DRAFT APPLIANCE SHALL BE ACCEPTABLE WHEN INSTALLED ACCORDING TO ITS LISTING AND MANUFACTURER'S INSTRUCTIONS.
3. TYPE B TYPE B GAS VENTS WITH LISTED VENT CAPS TWELVE (12) INCHES (305 mm) IN SIZE OR SMALLER SHALL BE PERMITTED TO BE TERMINATED IN ACCORDANCE WITH TABLE 5-2, PROVIDED THEY ARE LOCATED AT LEAST EIGHT (8) FEET (2438 mm) FROM A VERTICAL WALL OR SIMILAR OBSTRUCTION. ALL OTHER TYPE B GAS VENTS SHALL TERMINATE NOT LESS THAN TWO (2) FEET (610 mm) ABOVE THE HIGHEST POINT WHERE THEY PASS THROUGH THE ROOF AND AT LEAST TWO (2) FEET (610 mm) HIGHER THAN ANY PORTION OF A BUILDING WITHIN TEN (10) FEET (3048 mm).
4. VENT TERMINALS OF DIRECT VENT APPLIANCES WITH INPUTS OF 50,000 Btu/h (14,650 WATTS) OR LESS SHALL BE LOCATED NOT LESS THAN NINE (9) INCHES (229 mm) FROM THE WRIST. THE FRAMING OPENINGS THROUGH WHICH COMBUSTION PRODUCTS COULD ENTER A BUILDING. SUCH APPLIANCES WITH INPUTS OVER 50,000 Btu/h (14,650 WATTS) SHALL REQUIRE TWELVE (12) INCH (305 mm) VENT TERMINATION CLEARANCES. THE BOTTOM OF THE VENT TERMINAL AND THE AIR INTAKE SHALL BE LOCATED AT LEAST TWELVE (12) INCHES (305 mm) ABOVE GRADE.
5. NO VENTING SYSTEM SHALL TERMINATE LESS THAN THREE (3) FEET (914 mm) ABOVE ANY FORCED AIR INLET LOCATED WITHIN TEN (10) FEET (3048 mm) OR LESS THAN FOUR (4) FEET (1219 mm) FROM ANY PROPERTY LINE EXCEPT A PUBLIC WAY.
6. VENT OFFSETS EXCEPT AS PROVIDED FOR IN SECTION 512.4, GRAVITY VENTS SHALL EXTEND IN GENERALLY VERTICAL DIRECTION WITH OFFSETS NOT EXCEEDING FORTY-FIVE (45) DEGREES (0.79 rad). A GRAVITY VENT MAY ALSO HAVE ONE (1) HORIZONTAL OFFSET OF NOT MORE THAN SIXTY (60) DEGREES (1.05 rad).
7. EVERY OFFSET SHALL BE SUPPORTED FOR ITS WEIGHT AND SHALL BE INSTALLED TO MAINTAIN PROPER CLEARANCE, TO PREVENT PHYSICAL DAMAGE AND TO PREVENT SEPARATION OF THE JOINTS.
8. ANY ANGLE GREATER THAN FORTY-FIVE (45) DEGREES (0.79 rad) FROM THE VERTICAL IS CONSIDERED HORIZONTAL. THE TOTAL HORIZONTAL RUN OF A VENT, AS DESCRIBED IN SECTION 512.1 ABOVE, PLUS THE HORIZONTAL VENT CONNECTOR, SHALL BE NOT GREATER THAN SEVENTY-FIVE (75) PERCENT OF THE VERTICAL HEIGHT OF THE VENT.
9. RISE. EVERY VENT CONNECTOR WHICH IS A PART OF A GRAVITY-TYPE VENTING SYSTEM SHALL HAVE A CONTINUOUS RISE OF NOT LESS THAN ONE-FOURTH (1/4) INCH PER FOOT (20.9 mm/m) OF LENGTH MEASURED FROM THE APPLIANCE VENT COLLAR TO THE VENT.
10. CLEARANCE. SINGLE WALL METAL VENT CONNECTORS, WHERE PERMITTED TO BE USED BY SECTION 514.0, SHALL BE PROVIDED WITH CLEARANCES FROM COMBUSTIBLE MATERIAL OF NOT LESS THAN SIX (6) INCHES (152 mm).

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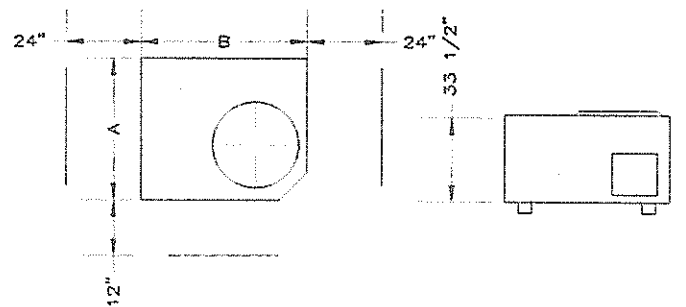
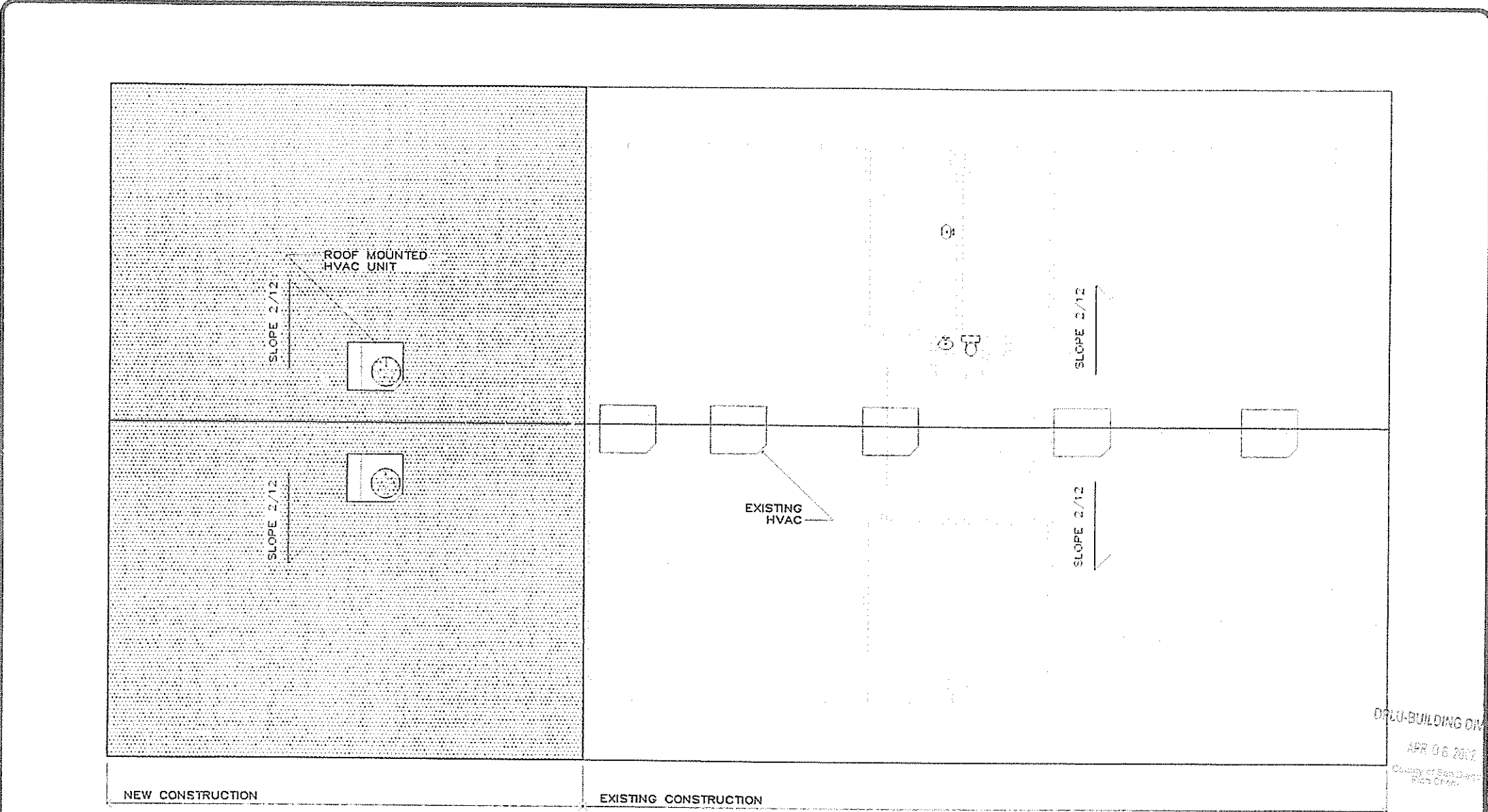
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 architect

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 PH: (760) 723-8841 FAX: (619) 723-2725

PROJECT
DRAWN MAC
CHECKED MCE
SCALE
DATE 01-08-02
P3

NB-04-0749



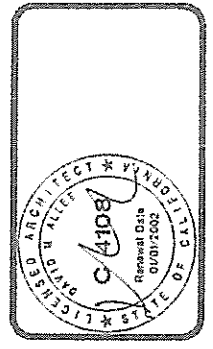
CLEARANCES	
SIDES ABOVE UNIT	24"
BELOW UNIT	0"

UNIT MODEL	DIMENSIONS	
	A	B
030A06	47 1/4"	49 1/8"

ROOF MOUNTED HVAC

EQUIPMENT SCHEDULE										
SYMBOL	MAKE	MODEL	MBH	CFM	AFUE	SEER	AMP	HP	VOLTS	
FAU/AC	York	DNH042N06006	42	2400	90%	12.0	9.0	1/3	115	
F.A.D.	York	2FA08700124							115	
OT-300	Nutone	4A237		300					115	
COMBUSTION AIR REQUIRED			WH. 40M BTU MINIMUM REQUIRED: 0 = 40 CFM / 2M = 200 CFM USE 5" Ø DUCT A = 20.0 CFM 50% WITHIN 12" OF FLOOR 50% WITHIN 12" OF CEILING							
PRIMARY CONDENSATE DRAINS SHALL BE SIZED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION, BUT NOT SMALLER THAN REQUIRED IN UMC SEC. 310.2. CONDENSATE SHALL HAVE A MINIMUM 1% SLOPE AND DISCHARGE TO SANITARY SEWER.										
PROVIDE AN ADDITIONAL WATERTIGHT PAN OF CORROSION RESISTANT METAL INSTALLED TO CATCH THE OVERFLOW CONDENSATE FROM CLOGGED PRIMARY CONDENSATE. THE SECONDARY DRAIN SHALL BE 3/4" NOMINAL PIPE SIZE, DISCHARGING AT A POINT WHICH CAN BE READILY OBSERVED. CONDENSATE SHALL NOT DRAIN ON TO A PUBLIC WAY.										
CONDENSATE DRAINS TO TAILPIECE ON KITCHEN SINK										
CONDENSATE DRAINS SHALL BE TYPE M COPPER.										
VENT BATH EXHAUST TO ROOF										

roof plan



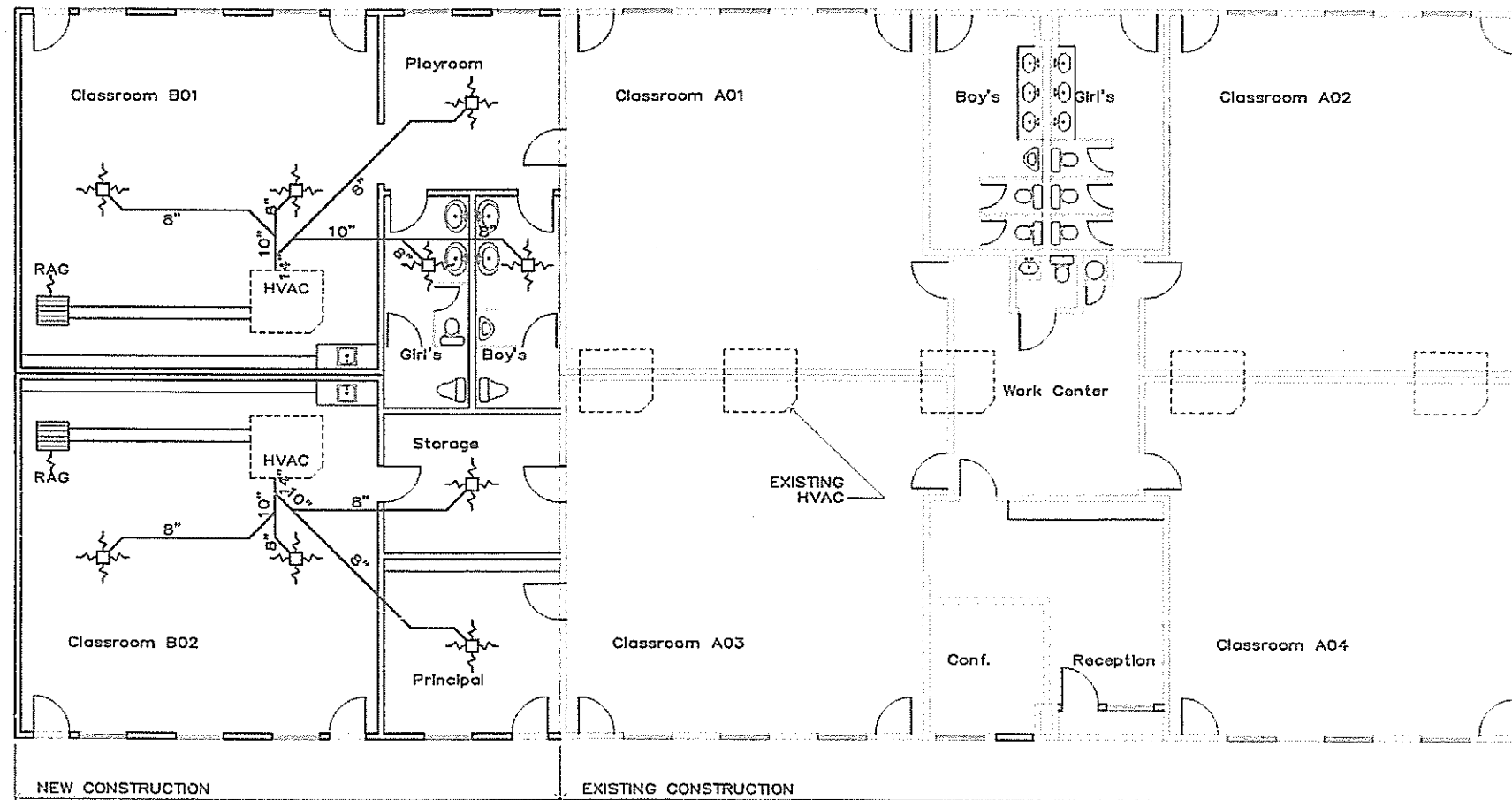
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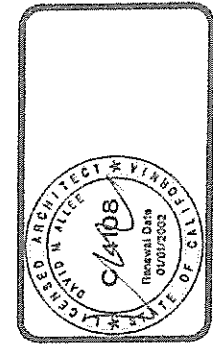
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30



HVAC plan



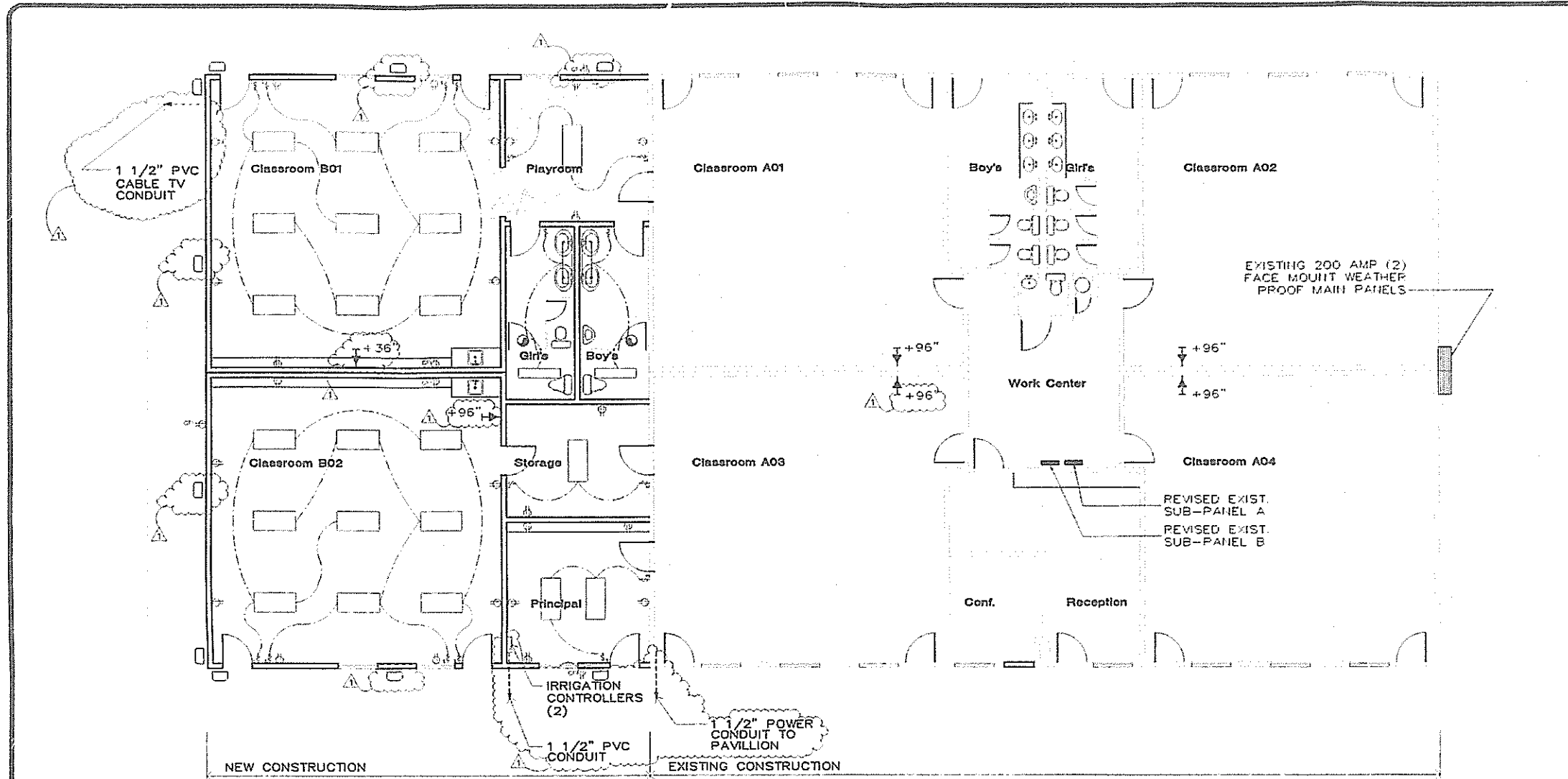
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 Fallbrook, California

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DPLU-BUILDING DIVISION
 APR 09 2002

DPLU-BUILDING DIVISION
 FEB 14 2002
 County of San Diego
 Plan Check

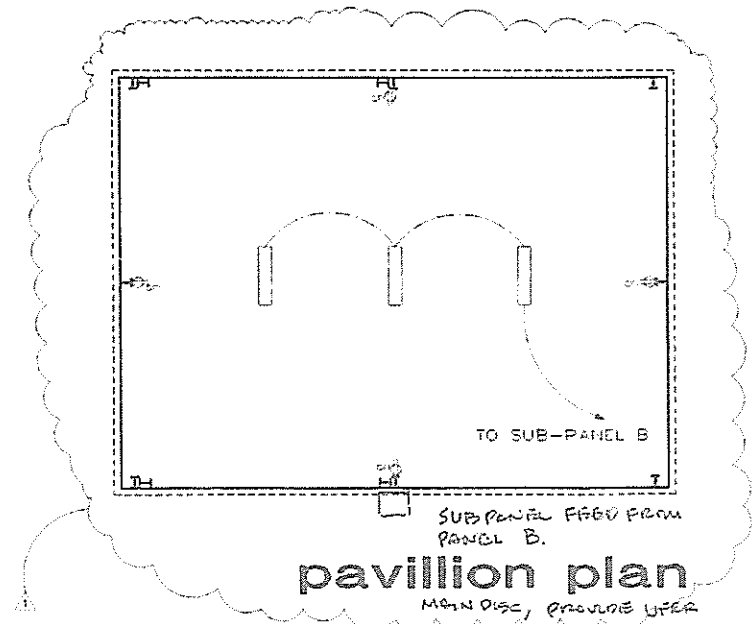
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M2



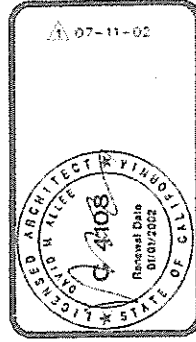
classroom plan

electrical legend

- ⊕ 110 V. DUPLEX RECEPTACLE CL @ +12" TYP. U.O.N.
- ⊕ 220 V. SUPPLY
- ⊕ 110 V. DUPLEX RECEPTACLE - WATERPROOF
- ⊕ 110 V. DUPLEX RECEPTACLE - GFCI PROTECTED
- ⊕ SINGLE POLE ROCKER SWITCH CL @ +48" TYP. U.O.N.
- ⊕ 3 WAY ROCKER SWITCH
- ⊕ SURFACE MTD. FLUORESCENT FIX./40 WATT RAPID START
- ⊕ SURFACE MTD. FLUORESCENT FIX./40 WATT RAPID START
- ⊕ MOTION ACTIVATED - G.E. CUT OFF WALL PACK - 35W/HPS
- ⊕ EXHAUST FAN - MIN. 5 AIR CHANGES/HOUR VENT TO ROOF
- ⊕ TELEPHONE OUTLET CL @ +12" TYP. U.O.N.
- ⊕ TELEVISION/CABLE OUTLET
- ⊕ ELECTRICAL PANEL BOARD

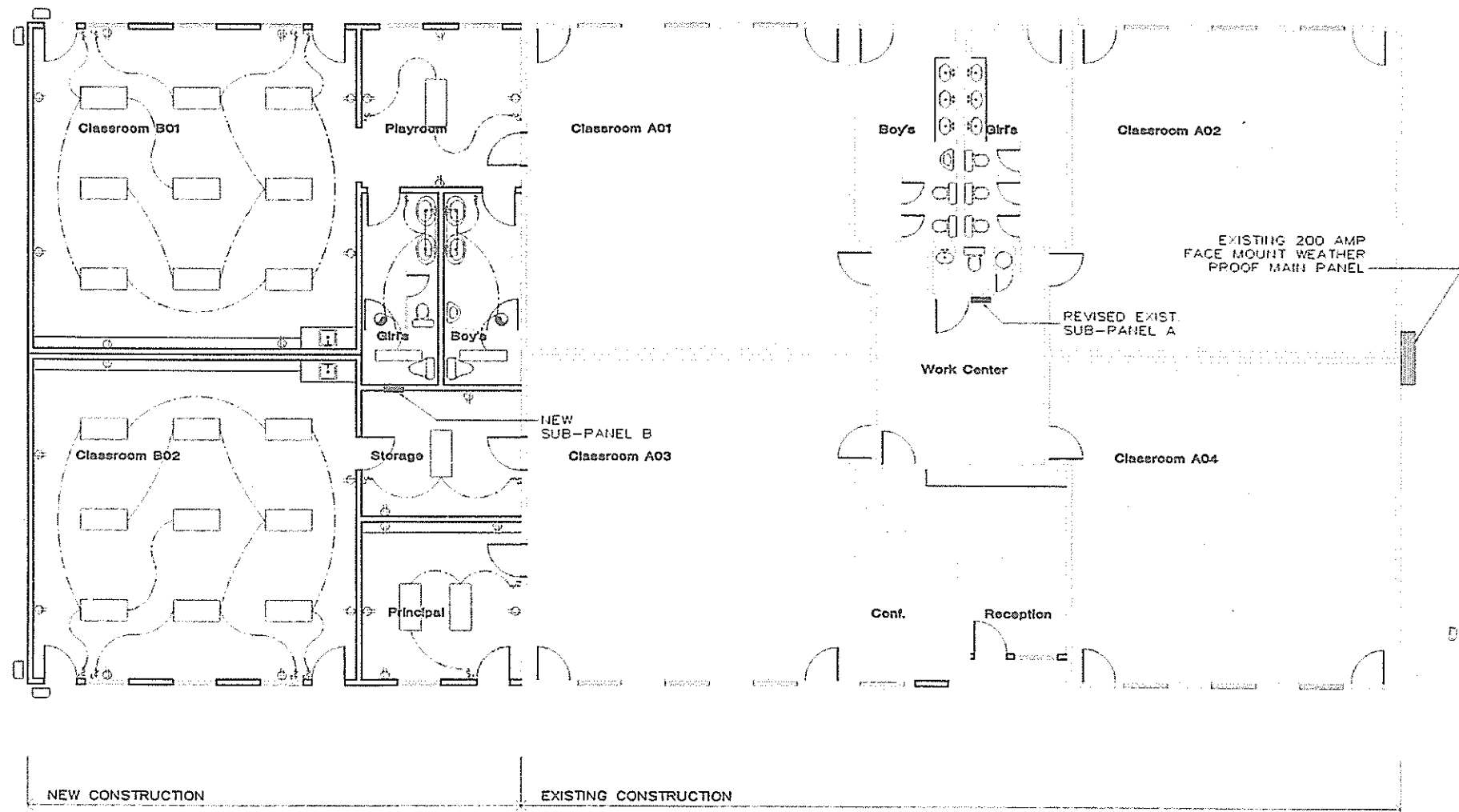


pavillion plan
electrical plan



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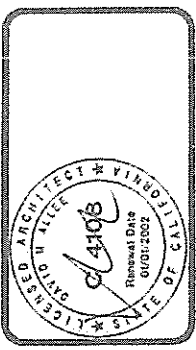


NEW CONSTRUCTION EXISTING CONSTRUCTION

electrical plan

electrical legend	
	110 V. DUPLEX RECEPTACLE CL @ +12" TYP. U.O.N.
	220 V. SUPPLY
	110 V. DUPLEX RECEPTACLE - WATERPROOF " "
	110 V. DUPLEX RECEPTACLE - GFCI PROTECTED " "
	SINGLE POLE ROCKER SWITCH CL @ +48" TYP. U.O.N.
	3 WAY ROCKER SWITCH
	SURFACE MTD. FLUORESCENT FIX./40 WATT RAPID START
	SURFACE MTD. FLUORESCENT FIX./40 WATT RAPID START MOTION ACTIVATED - G.E. CUT OFF WALL PACK - 35W/HPS
	EXHAUST FAN - MIN. 5 AIR CHANGES/HOUR VENT TO ROOF
	TELEPHONE OUTLET C @ +12" TYP. U.O.N.
	TELEVISION/CABLE OUTLET " "
	ELECTRICAL PANEL BOARD

DPLU-BUILDING DIVISION
 APR 06 2002
 County of San Diego
 PLSR CHECK



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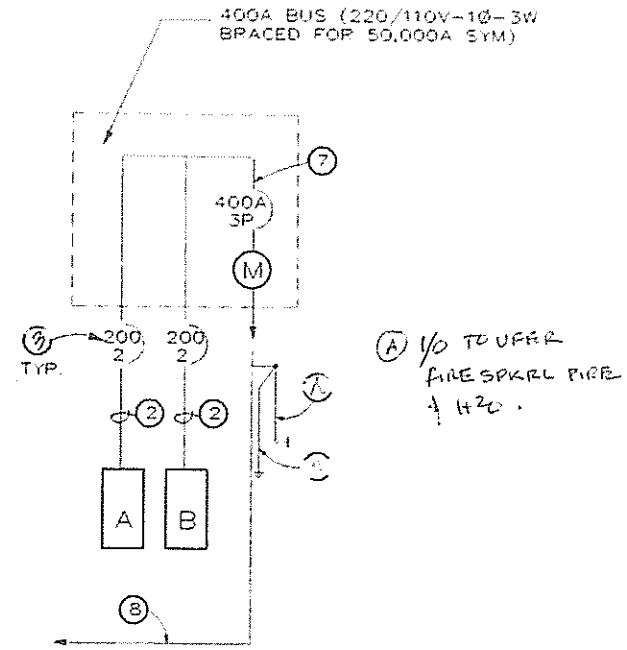
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ELECTRICAL NOTES

1. UL LISTED SERIES RATED CIRCUIT BREAKERS.
2. 2" CONDUIT WITH 4 #3/0 THWN-CU AND 1 #6 GROUND.
3. CURRENT LIMITING MAIN BREAKER. THE AVAILABLE FAULT CURRENT IS 42,000A SYM.
4. (1) 3" PVC SCH. 40 EMPTY CONDUIT WITH PULL ROPE TO SDG&E POINT OF SERVICE. (SEE SDG&E FOR LOCATION)
5. 1 #1/0 BARE COPPER GROUND. CONNECT TO UFER GROUND.
6. 1 #1/0 TWIN-CU GROUND IN 1/2" CONDUIT TO NEAREST METALLIC COLD WATER PIPE.

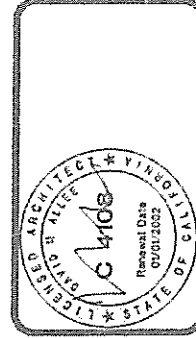


SINGLE LINE DIAGRAM

DPLU-BUILDING DIVISION
APR 08 2002
County of San Diego

PANEL A									
MOUNTING: RECESSED LOAD CENTER VOLTAGE: 220/110 VOLTS, 1 PHASE, 3 WRES					TYPICAL UNITS AIC: 10,000 AMPS SYM BUS: 200 AMPS MAIN: MLO				
CIRCUIT DESIGNATION	USE LTG REC	CKT MIS BKR	CKT NO	WATTAGE OA CB	CKT NO	CKT BKR	USE MIS REC LTG	CIRCUIT DESIGNATION	
EXIST. AC UNIT		1	30/2	1 3000			1	EXIST. AC UNIT	
				3000	2	30/2			
EXIST. AC UNIT		1	30/2	3 3000			1	EXIST. AC UNIT	
				3000	4	30/2			
EXIST. AC UNIT		1	30/2	5 3000			1	NEW AC UNIT	
				3000	6	30/2			
NEW AC UNIT		1	30/2	7 3000				SPACE ONLY	
					8				
SPACE ONLY					9			SPACE ONLY	
					10				
SPACE ONLY					11			SPACE ONLY	
					12				
SPACE ONLY					13			SPACE ONLY	
					14				
SPACE ONLY					15			SPACE ONLY	
					16				
SPACE ONLY					17			SPACE ONLY	
					18				
SPACE ONLY					19			SPACE ONLY	
					20				
				12000 9000					
TOTAL OA: 12,000 WATTS									
TOTAL CB: 9,000 WATTS									

PANEL B									
MOUNTING: RECESSED LOAD CENTER VOLTAGE: 220/110 VOLTS, 1 PHASE, 3 WRES					TYPICAL UNITS AIC: 10,000 AMPS SYM BUS: 200 AMPS MAIN: MLO				
CIRCUIT DESIGNATION	USE LTG REC	CKT MIS BKR	CKT NO	WATTAGE OA CB	CKT NO	CKT BKR	USE MIS REC LTG	CIRCUIT DESIGNATION	
CLASSROOM 1		1	20/1	1 750			1	CLASSROOM 1	
				750	2	20/1			
CLASSROOM 2		1	20/1	3 750			1	CLASSROOM 2	
				750	4	20/1			
CLASSROOM 3		1	20/1	5 750			1	CLASSROOM 3	
				750	6	20/1			
CLASSROOM 4		1	20/1	7 750			1	CLASSROOM 4	
				750	8	20/1			
BOYS, GIRLS RESTROOMS		1	20/1	9 750			1	WATER HEATER	
				1500	10	20/1			
CONFERENCE ROOM		1	20/1	11 750			1	CONFERENCE ROOM	
				750	12	20/1			
NEW CLASSROOM 5		1	20/1	13 750			1	NEW CLASSROOM 5	
				750	14	20/1			
NEW CLASSROOM 6		1	20/1	15 750			1	NEW CLASSROOM 6	
				750	16	20/1			
SPACE ONLY					17			SPACE ONLY	
					18				
SPACE ONLY					19			SPACE ONLY	
					20				
				6000 6750					
TOTAL OA: 6,000 WATTS									
TOTAL CB: 6,750 WATTS									



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