

AB anchor bolt	FFE finished floor elevation	PAR parallel
ABV above	FFL finished floor line	PB panic bar
AC asphaltic concrete	FIN finish (ed)	PCC precast concrete
A/C air conditioning	FLR floor (ing)	PCF pounds per cubic foot
ADD addendum	FLUOR fluorescent	PED pedestal
AGG aggregate	FTC footing	PERF perforate (d)
ALT alternate		PRE.FAB. prefabricate (d)
ALUM aluminum		PFL pounds per linear foot
APPROX approximate	GA gage, gauge	PIP poured in place
ARCH architect (ural)	GI galvanized iron	PL property line
AUTO automatic	GL glass, glazing	PLT plate
	GP galvanized pipe	PLAS plaster
BD board	GYP. BD. gypsum board	PLYWD plywood
BEL below	GRD grade, grading	PNL panel
BET between	GSS galvanized steel	PNT paint (ed)
BIT bituminous	GV galvanized	PSF pounds per square foot
BLDG building		PSI pounds per square inch
BLK black	HB hose bibb	PT point
BLKG blocking	HC hollow core	PVC polyvinyl chloride
BM bench mark	HD heavy duty	
BOT bottom	HDR header	RA return air
BRG bearing	HDW hardware	RAD radius
BRZ bronze	HGT height	RCP reinforced concrete pipe
BUR built up roofing	HM hollow metal	RO roof drain
BW both ways	HOR horizontal	REFR refrigerator
	HTG heating	REG register
CAB cabinet	HVAC heating/ventilating air	REM remove
CAD cadmium	conditioning	RET return
CB catch basin	HWO hardwood	RFG roofing
CEM cement	WH water heater	RH right hand
CER ceramic		RM room
CFT cubic foot	ID inside diameter	RO rough opening
CI cast iron	INCL include (d, ing)	ROW right of way
CIR circle	INSUL insulate (d, ion)	
CIRC circumference	INT interior	S south
CLG ceiling	INV invert	SC solid core
CLL contract limit line		SCH schedule
CLR clear (once)	JST joint	SD storm drain
CLS closure	JT joint	SEC section
CM centimeter		SH shelf, shelving
CMU concrete masonry unit	KIT kitchen	SHT sheet
COL column	KO knockout	SIM similar
COMB combination		SPEC specification (s)
COMPO composition	LAB laboratory	SPK speaker
CONC concrete	LAM laminate (d)	SO square
CONT continuous/ continue	LAV lavatory	SS stainless steel
CONTR contract (or)	LBL label	ST steel
CONST construction	LH left hand	STA station
CORR corrugated	LL live load	STD standard
CPR copper	LT light	STO storage
CPT carpet (ed)	LTL lintel	STR structural
CYD cubic yard	LW lightweight	SUS suspended
		SYM symmetry (ical)
		SYS system
DEMO demolish, demolition	MAS masonry	
DH double hung	MAX maximum	TEL telephone
DIAG diagonal	MB machine bolt	T&G tongue & groove
DIAM diameter	MBR member	THK thick (ness)
DIM dimension	MC medicine cabinet	TV television
DIV division	MECH mechanic	TYP typical
DR door	MED medium	
DS downspout	MET metal	UNO unless noted otherwise
DTL detail	MFR manufacture (er)	UR urinal
DWG drawing	MH month/le	
DWR drawer	MIN minimum	VERT vertical
	MIR mirror	VIN vinyl
E east	MISC miscellaneous	
EF each face	MLD molding, moulding	W west
ELEV elevation	MM millimeter	W/ with
ELEC electric (al)	MT mount (ed, ing)	W/O without
EMER emergency	MTL material (s)	WC water closet
ENC enclosure		WO wood
EP electrical panelboard	N north	WI wrought iron
EQ equal	NAT natural	WIN window
EQUIP equipment	NIC not in contract	WPT working point
EST estimate	NOM nominal	WR water repellent
EWIC electric water cooler	NTS not to scale	WWF welded wire fabric
EXIST existing		
EXHST exhaust	OA overall	L angle
EXP exposed	OBSC obscure	E center line
EXT exterior	OC on center	d penny
	OD outside diameter	I perpendicular
FA fire alarm	OH overhead	PL plate
FD floor drain	OPG opening	Ø round
FE fire extinguisher	OPP opposite	@ at

ABBREVIATIONS

	SECTION		BUILDING SECTION		NOTE NO.	NOTE
	DETAIL NO.		DOOR NO.		DOOR	
	WINDOW NO.		WINDOW			
	REVISION NO.		REVISION			

STANDARD SYMBOLS LEGEND

MISSION TRAIL COMMUNITY LIBRARY WILDOMAR, CALIFORNIA

EXHIBIT "B"

TITLE / OWNER

BUILDING DATA:

5,167 S.F. BUILDING SQUARE FOOTAGE
650 S.F. COVERED PORCHES

CONSTRUCTION TYPE: TYPE V-N
AUTOMATIC FIRE SPRINKLERS: NO
BUILDING OCCUPANCY: A-B

NATURE OF BUSINESS: LIBRARY OPERATIONS

NUMBER OF STORIES: ONE

SITE DATA:

ADDRESS: 34323 MISSION TRAIL
WILDOMAR, CA

ACCESSORS PARCEL NUMBER: 370-090-020

SITE COVERAGES:

55,838 S.F. 100 % TOTAL SITE AREA (1.28 ACRES)
5,167 S.F. 9 % TOTAL BUILDING AREA
32,230 S.F. 58 % TOTAL WALKS AND PAVING AREAS
18,435 S.F. 33 % TOTAL LANDSCAPE / OPEN AREAS

CODE DATA:

1997 UNIFORM BUILDING CODE
1997 UNIFORM MECHANICAL CODE
1997 UNIFORM PLUMBING CODE
1996 NATIONAL ELECTRIC CODE

GENERAL NOTES:

- CIVIL ENGINEER DRAWINGS SHALL BE SUBMITTED UNDER SEPARATE PERMIT.
- ALL PARKING LOT IMPROVEMENTS AND STREET IMPROVEMENTS SHALL MEET THE COUNTY OF RIVERSIDE COUNTY.
- SEPARATE REVIEW, APPROVAL AND PERMITS ARE REQUIRED FOR GRADING, SIGNS, TRASH ENCLOSURE AND SITE WALLS.

ARCHITECTURAL:

- 61.1 DIRECTORY, VICINITY / LOCATION MAPS, SHEET INDEX AND PROJECT INFO.
- 61.2 OCCUPANT LOAD PLAN
- 61.3 HANDICAPPED TITLE 24 SHEET

CIVIL:

- 1 STREET IMPROVEMENT PLAN
- 1 DETAILS AND GENERAL NOTES
- 2 PRECISE GRADING PLAN

LANDSCAPE:

- L-1 IRRIGATION SITE PLAN
- L-2 PLANTING SITE PLAN
- L-3 IRRIGATION AND LANDSCAPE CONSTRUCTION DETAILS

ARCHITECTURAL:

- ASD.1 SITE PLAN
- ASD.2 NOT USED
- ASD.3 SITE DETAILS
- A1.1 FLOOR PLAN
- A1.2 CLEARSTORY FLOOR PLAN
- A2.1 EXTERIOR ELEVATIONS
- A2.2 EXTERIOR ELEVATIONS
- A3.1 ROOF PLAN
- A4.1 CROSS SECTIONS
- A4.2 CROSS SECTIONS
- A6.1 DOOR / WINDOW / FINISH SCHEDULES
- A7.1 DETAILS
- A7.2 DETAILS
- A7.3 DETAILS
- A9.1 REFLECTED CEILING PLAN
- A10.1 INTERIOR ELEVATIONS

STRUCTURAL:

- SN STRUCTURAL NOTES
- S-1 FOUNDATION PLAN
- S-2 ROOF FRAMING PLAN
- S-3 TRUSS ELEVATION AND DETAILS
- SD1 DETAILS
- SD2 DETAILS
- SD3 DETAILS
- SD4 DETAILS

ELECTRICAL:

- E-1 GENERAL NOTES AND SYMBOLS
- E-2 ELECTRICAL SITE PLAN
- E-3 POWER PLAN
- E-4 LIGHTING PLAN AND TITLE 24 CALCULATIONS

PLUMBING:

- P1 PLUMBING SCHEDULES
- P2 PLUMBING PLAN
- P3 PLUMBING DETAILS

MECHANICAL:

- M1 MECHANICAL SCHEDULES
- M2 MECHANICAL PLAN
- M3 MECHANICAL DETAILS
- M4 TITLE 24 CALCULATIONS

OWNER:

COUNTY OF RIVERSIDE
3055 MISSION INN AVENUE
RIVERSIDE, CA 92507
CONTACT: BOB BELL
PH: (909) 455-4843

ARCHITECT:

GARY MILLER ARCHITECT AND ASSOC.
950 WEST FIFTH STREET, SUITE 201
SAN BERNARDINO, CA 92401
CONTACT: KATHY OSWALT
PH: (909) 884-4480
FAX: (909) 884-4034

STRUCTURAL:

WEI PEI STRUCTURAL ENGINEERING
431 W. HOLT BLVD., SUITE D4
ONTARIO, CA 91762
CONTACT: WEI PEI
PH: (909) 437-0122
FAX: (909) 437-0120

ELECTRICAL:

ELECTRICAL DESIGN SERVICES
3845 LA SIERRA, SUITE D
RIVERSIDE, CA 92505
CONTACT: BOB CASTRO
PH: (909) 351-1800
FAX: (909) 351-0252

MECHANICAL / PLUMBING:

ENERGY AND DUCT SYSTEMS
40442 CLARK DRIVE
HEMET, CA 92344
CONTACT: MARG FARMER
PH: (909) 925-0100
FAX: (909) 658-7161

LANDSCAPE:

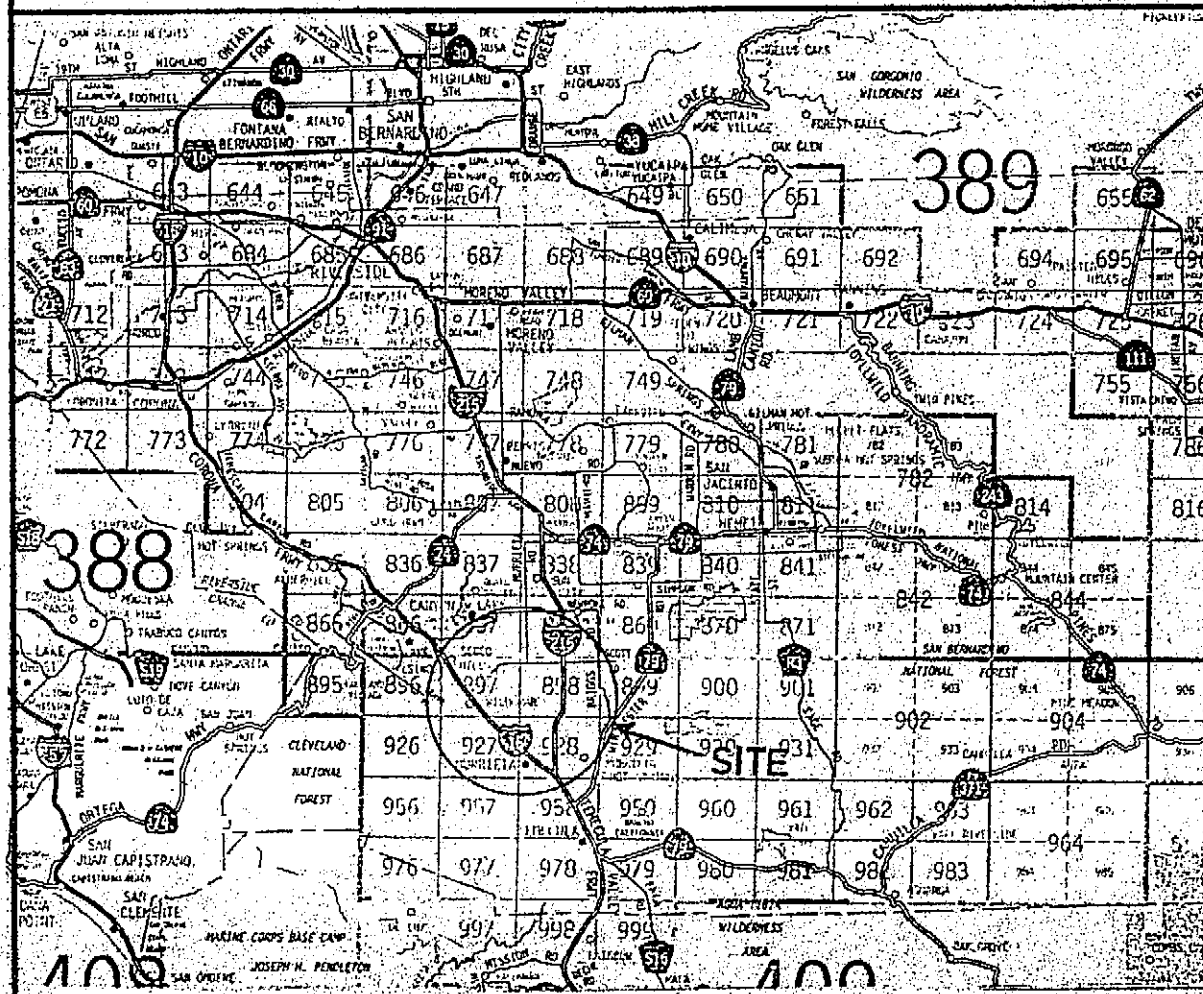
STB LANDSCAPE ARCHITECTS
10 EAST VINE STREET, SUITE 206
REDLANDS, CA 92375
CONTACT: SHAWN BURCH
PH: (909) 748-7490
FAX: (909) 307-5295

SOILS TESTING:

SOLIS SOUTHWEST, INC.
847 VIA LATA, SUITE N
COLTON, CA 92324
CONTACT: MALOY GUPTA
PH: (909) 370-5156
FAX: (909) 370-0474

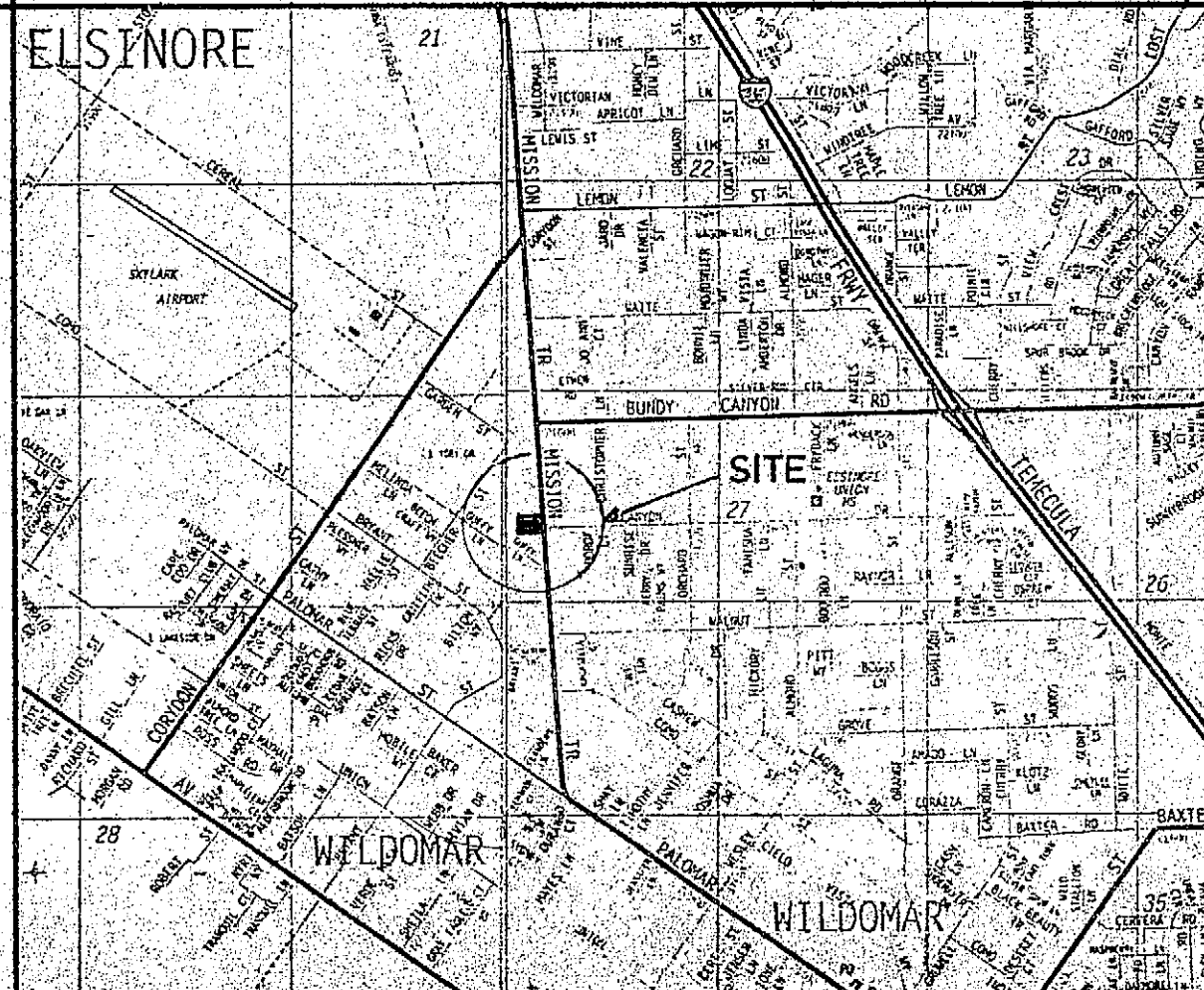
CONSTRUCTION SET

SHEET INDEX



VICINITY MAP

DIRECTORY



LOCATION MAP

SHEET TITLE

TITLE SHEET

SCALE:

1/4" = 1'-0"

DRAWN BY:

TIM C.

CHECKED BY:

GARY M.

JOB NUMBER:

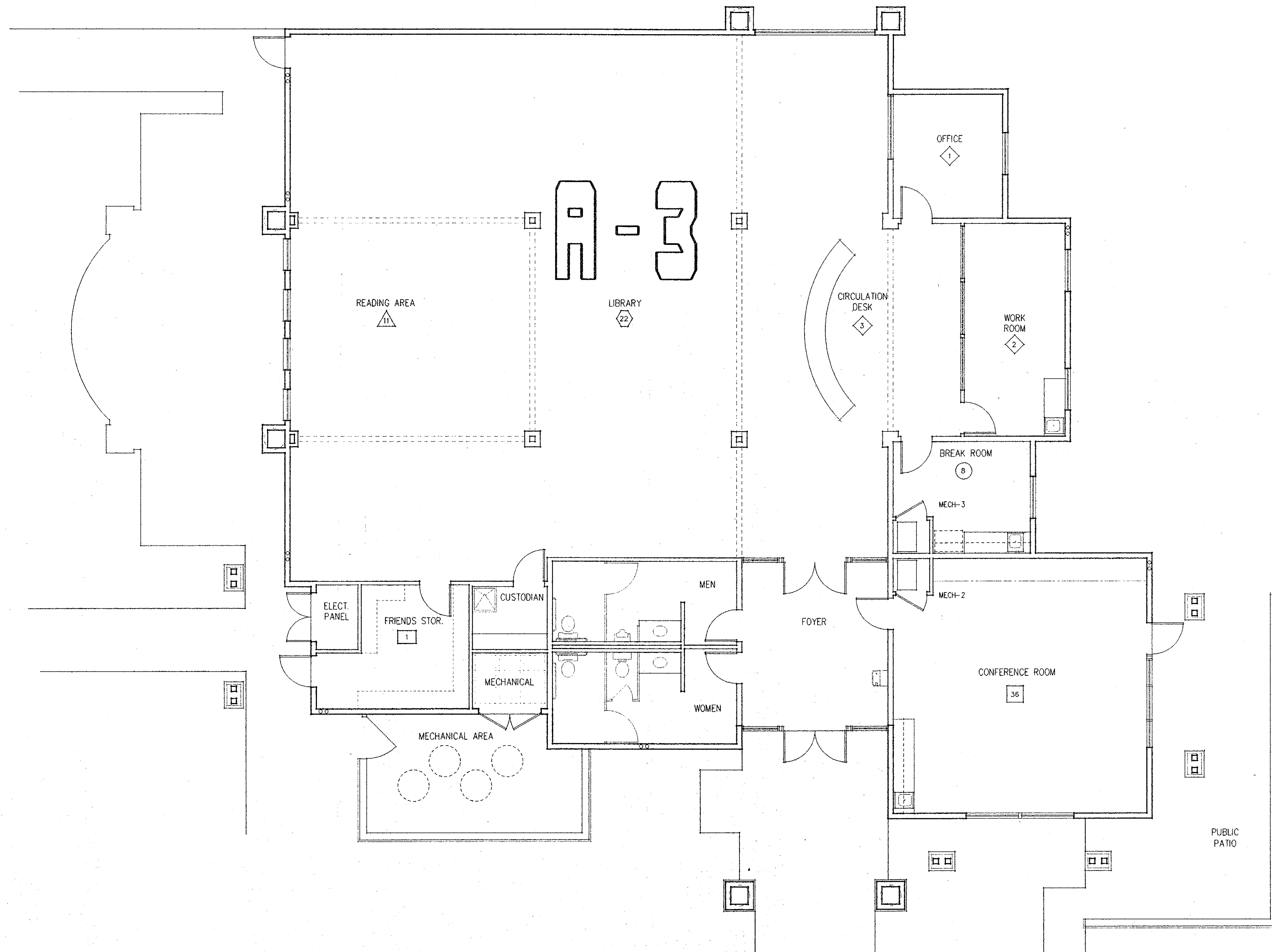
99870

DATE:

JUNE 9, 2000

SHEET

G1.1



OCCUPANCY PLAN LEGEND:

- ASSEMBLY AREA (LESS CONCENTRATED)
OCCUPANT LOAD 15 S.F. PER PERSON
- ◇ OFFICE OCCUPANT LOAD 100 S.F. PER PERSON
- ◇ LIBRARY AT STACK AREAS OCCUPANT LOAD
100 S.F. PER PERSON
- △ LIBRARY AT READING AREAS OCCUPANT LOAD
50 S.F. PER PERSON
- BREAK ROOM OCCUPANT LOAD 15 S.F. PER PERSON,
OCCUPANT LOAD IS NOT INCLUDED INTO TOTAL LOAD,
ROOM IS AN ACCESSORY USE TO FACILITY
- STORAGE OCCUPANT LOAD 300 S.F. PER PERSON,
OCCUPANT LOAD IS NOT INCLUDED INTO TOTAL LOAD,
ROOM IS AN ACCESSORY USE TO FACILITY

BUILDING NOTES:

T1 PERSONS = TOTAL OCCUPANT LOAD
A-3 = BUILDING OCCUPANCY
V-N = BUILDING CONSTRUCTION

PLUMBING FIXTURES REQUIRED:

MEN	REQUIRED	PROVIDED
WATER CLOSETS:	1 / 100 = 1	1
URINALS:	1 / 100 = 1	1
LAVATORIES:	1 / 100 = 1	1
WOMEN		
WATER CLOSETS:	1 / 50 = 3	2
LAVATORIES:	1 / 200 = 1	1

DRINKING FOUNTAINS:

1 / 150 = 1

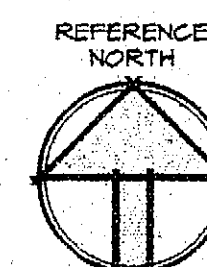
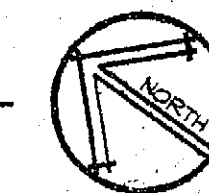
EXITING WIDTH:

OCCUPANT LOAD X 0.2 FOR TOTAL T1 X 0.2 = 14.2"
REQUIRED WIDTH OF EXITING

TOTAL WIDTHS IN EXITS PROVIDED = 9'-0"

CONSTRUCTION SET

OCCUPANCY FLOOR PLAN



SHEET TITLE
OCCUPANCY PLAN

SCALE:
3/16" = 1'-0"

DRAWN BY:
TM C.

CHECKED BY:
GARY M.

JOB NUMBER:
99870

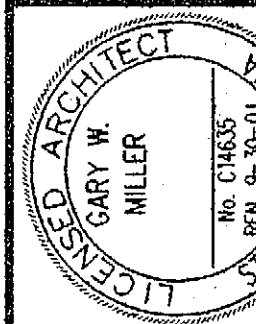
DATE:
JUNE 9, 2000

SHEET

G1.2

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE: (805) 895-1400 FAX: (805) 364-9034
350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401



REVISIONS

WALKS AND SIDEWALKS

CONTINUOUS SURFACES
WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCHES, AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS:

SLOPES OF 6 PERCENT AND GREATER
SURFACES WITH A SLOPE OF 6 PERCENT GRADIENT SHALL BE SLIP RESISTANT.

SLOPES LESS THAN 6 PERCENT
SURFACES WITH A SLOPE OF LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM SALT FINISH.

SURFACE CROSS SLOPES
SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT EXCEPT WHEN THE ENFORCING AGENCY FINDS THAT DUE TO LOCAL CONDITIONS IT CREATES AN UNREASONABLE HARSHNESS. THE CROSS SLOPE SHALL BE TO A MAXIMUM OF 1/2 INCH PER FOOT FOR DISTANCES NOT TO EXCEED 20 FEET.

GRATINGS
WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE FROM GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED ON THE SURFACES OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE 1/2 INCHES IN THE DIRECTION OF TRAFFIC FLOW.

FIVE PERCENT GRADIENT
SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK SHALL BE 1 VERTICAL TO 20 HORIZONTAL (5% GRADIENT). IF WALK EXCEEDS THIS STANDARD IT SHALL COMPLY WITH PROVISIONS OF THE U.B.C., PEDESTRIAN RAMPS.

CHANGES IN LEVEL
ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH WHEN CHANGES IN LEVEL DO OCCUR LEVEL 2:1 EXCEPT EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL.

WALKS WITH CONTINUOUS GRADIENTS
ALL WALKS WITH CONTINUOUS GRADIENT SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.

GENERAL CONSIDERATIONS

ACCESSIBILITY STANDARDS

THE FOLLOWING STANDARDS FOR BARRIER FREE DESIGN SHALL BE INCORPORATED INTO THE PROJECT SITE AND BUILDING AS DESCRIBED BY THE 1998 CALIFORNIA BUILDING CODE (TITLE 24 & CALIFORNIA CODE OF REGULATION), AMERICANS WITH DISABILITIES ACT (ADA) WITH CABO/ANSI, SECTIONS AND DIAGRAMS ARE PROVIDED FOR QUICK REFERENCE. INTERPRETATION OF THESE CODES AND REGULATIONS AND INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

ENTRANCE SIGNAGE

FINISH AND CONTRAST
THE CHARACTERS SYMBOLS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

LOCATION OF SIGNAGE

TACTILE SIGNAGE SHALL BE LOCATED ALONGSIDE THE DOOR ON THE LATCH SIDE AND SHALL BE MOUNTED AT 60" ABOVE THE ADJACENT FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. IN LOCATIONS HAVING DOUBLE DOORS, TACTILE SIGNS SHALL BE MOUNTED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.

TACTILE SIGNAGE

1. CHARACTER WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1 WITH A 1:5 AND 1:10 STROKE WIDTH TO HEIGHT RATIO.
2. CONTRASTING COLORED CHARACTER AND SYMBOLS ON A MATTE FINISHED BACKGROUND.
3. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTER ACCOMPANIED BY GRADE 2 BRAILLE.
4. RAISED SYMBOLS OR CHARACTERS SHALL BE A MINIMUM OF 5/8" HIGH.

PLUMBING NOTES

MAXIMUM FLUSH VOLUMES AND FLOW RATES: FACCETS - 2.2 GPM (SINKS & LAVS), 1.6 GPF (WATER CLOSETS), FITTINGS MANUFACTURED ON OR AFTER MARCH 20, 1992 SHALL BE MARKED WITH THESE FLOW RATINGS AND CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION

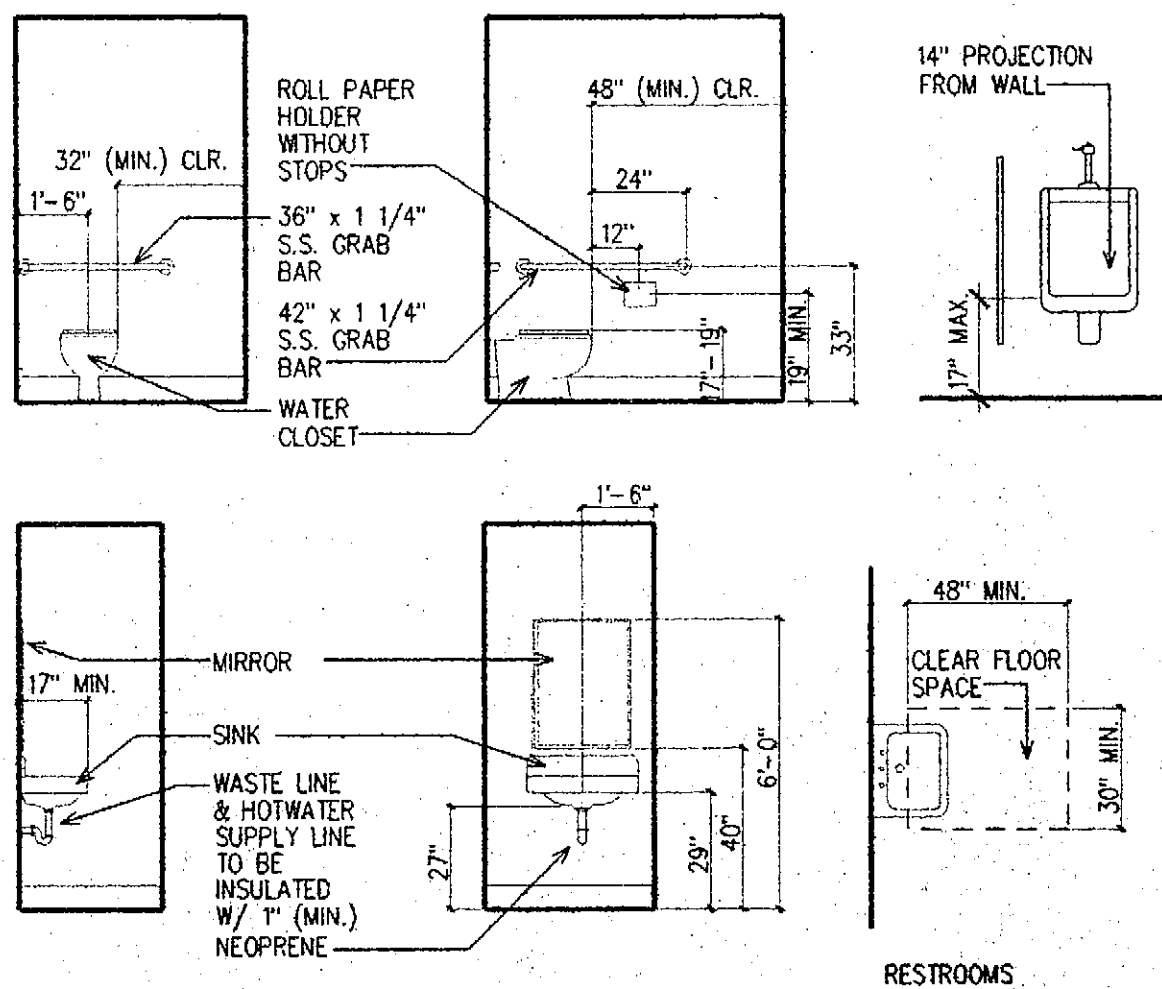
FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL NOT EXCEED 5 POUNDS. LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE.

ELECTRICAL NOTES

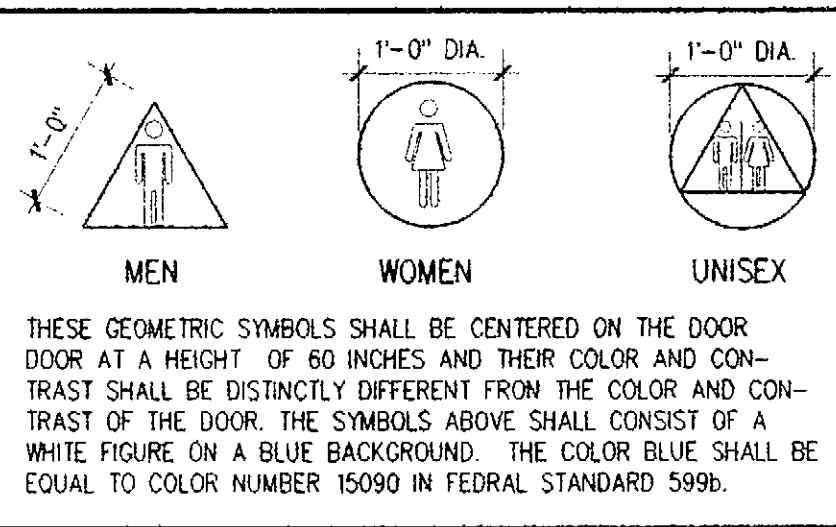
THE CENTER OF 15-, 20- AND 30- AMPERE RECEPTACLE OUTLETS SHALL BE INSTALLED NOT LESS THAN 15" FROM THE FLOOR OR WORKING PLATFORM. THE CENTER OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE NOT MORE THAN 48 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.

NOTES

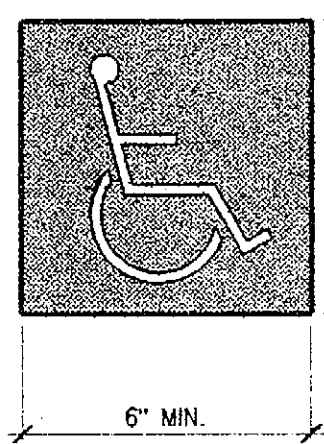
1. SHARP OR ABRASIVE SURFACES ARE NOT PERMITTED UNDER LAVATORIES.
2. FAUCET CONTROLS AND OPERATING MECHANISMS ARE REQUIRED TO BE OPERABLE W/ ONE HAND AND CANNOT REQUIRE GRASPING, PINCHING OR TWISTING OF THE WRIST.
3. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL NOT EXCEED 5 FT/LBS.. SELF CLOSING VALVES ARE ALLOWED BUT SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.
4. GRAB BARS SHALL BE 1 1/4" TO 1 1/2" IN DIAMETER W/ 1 1/2" CLEARANCE FROM WALL.
5. GRAB BAR FASTENERS AND MOUNTING SUPPORTS SHALL BE ABLE TO WITHSTAND 250 FT/LBS. IN BENDING SHEAR AND TENSION.
6. CONTROLS FOR FLUSH VALVE SHALL BE MOUNTED ON THE WATER CLOSET W/ NO MORE THAN 44" ABOVE FINISH FLOOR.



IN OTHER THAN DWELLING UNITS
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 INCHES. WALLS WITHIN WATER CLOSET COMPARTMENTS AND WALLS WITHIN 24 INCHES OF THE FRONT AND SIDES OF URINALS SHALL BE SIMILARLY FINISHED TO A HEIGHT OF 48 INCHES AND, EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE WHICH IS NOT ADVERSELY AFFECTED BY MOISTURE.



INTERNATIONAL
SIGN OF ACCESSIBILITY



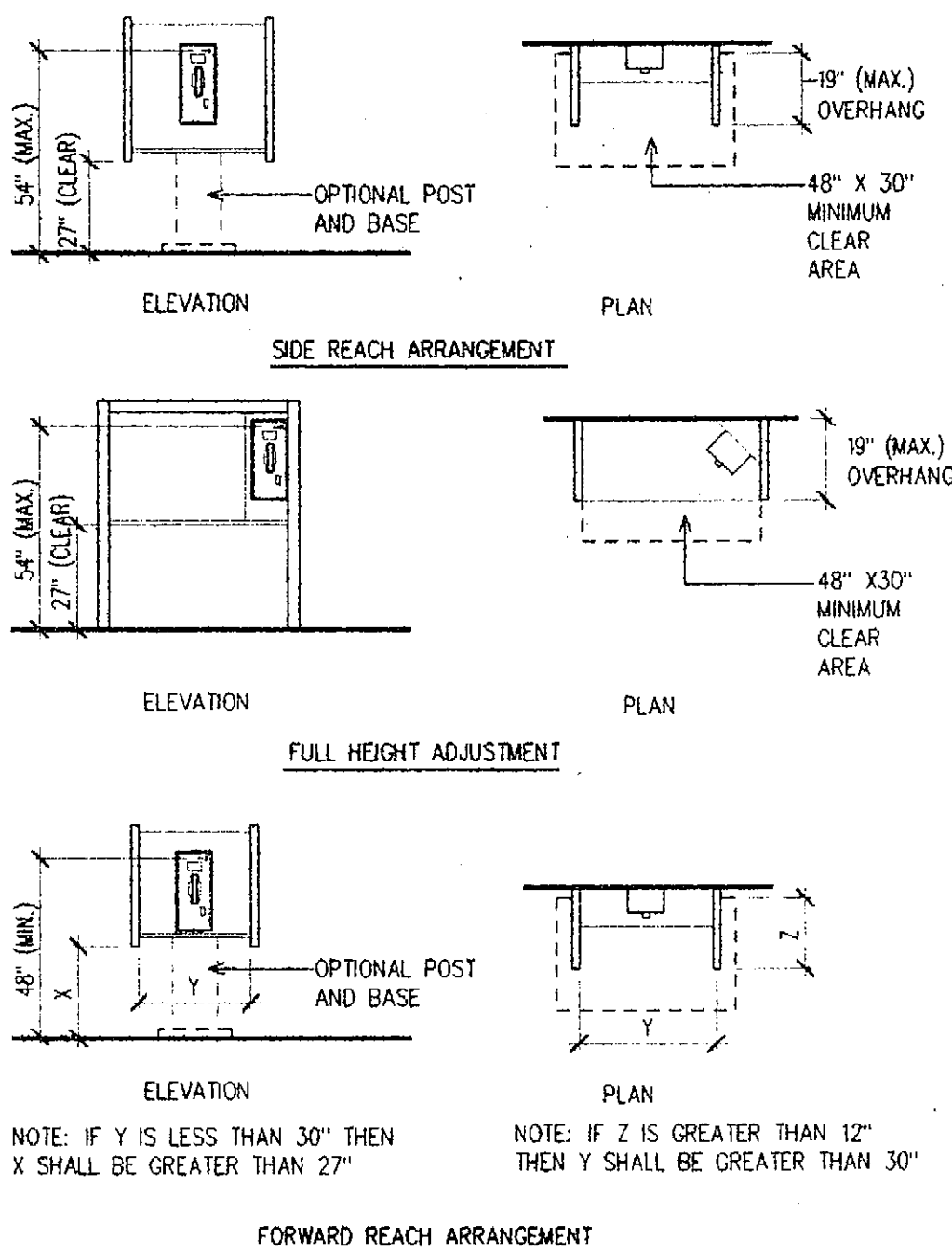
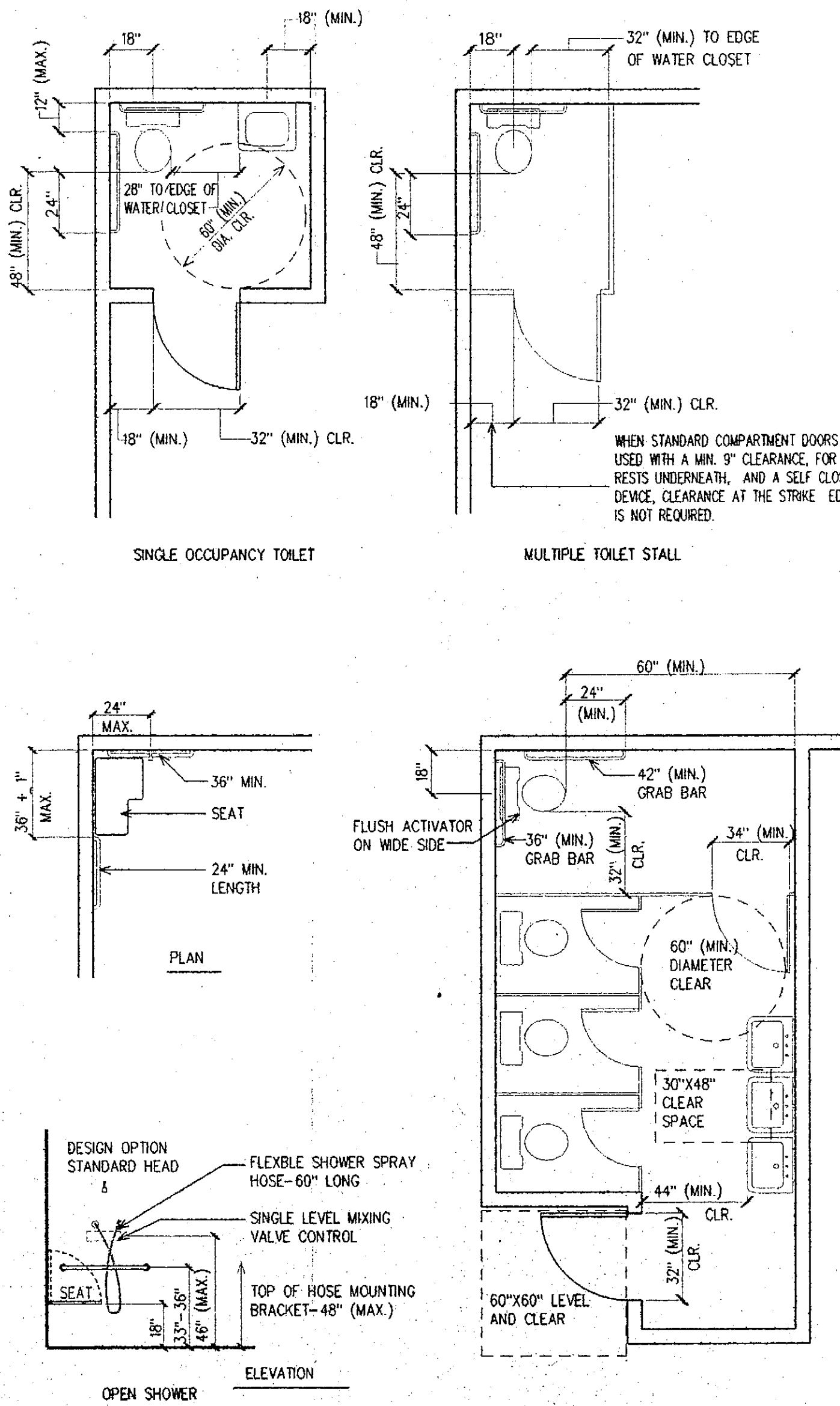
SIGN ELEVATION

SIGNS

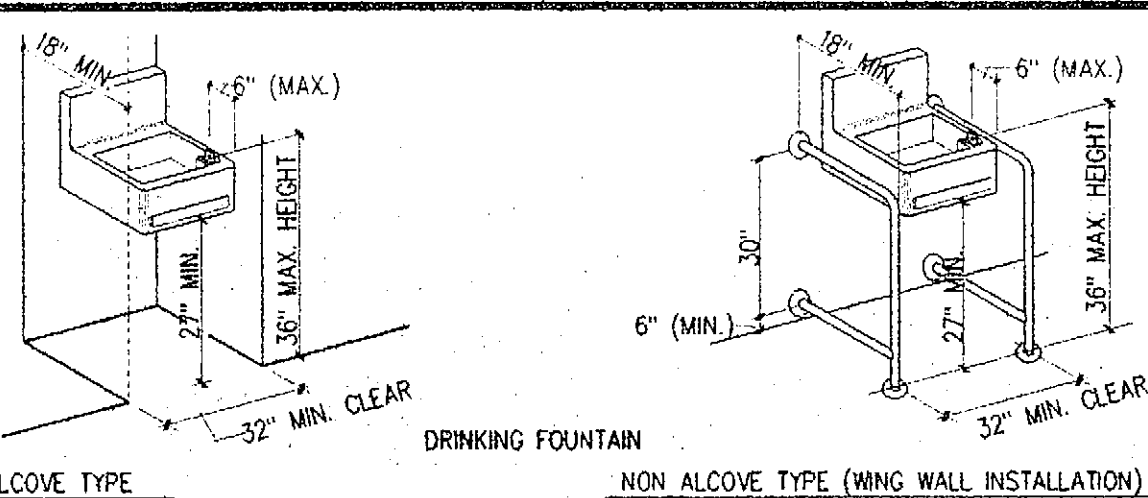
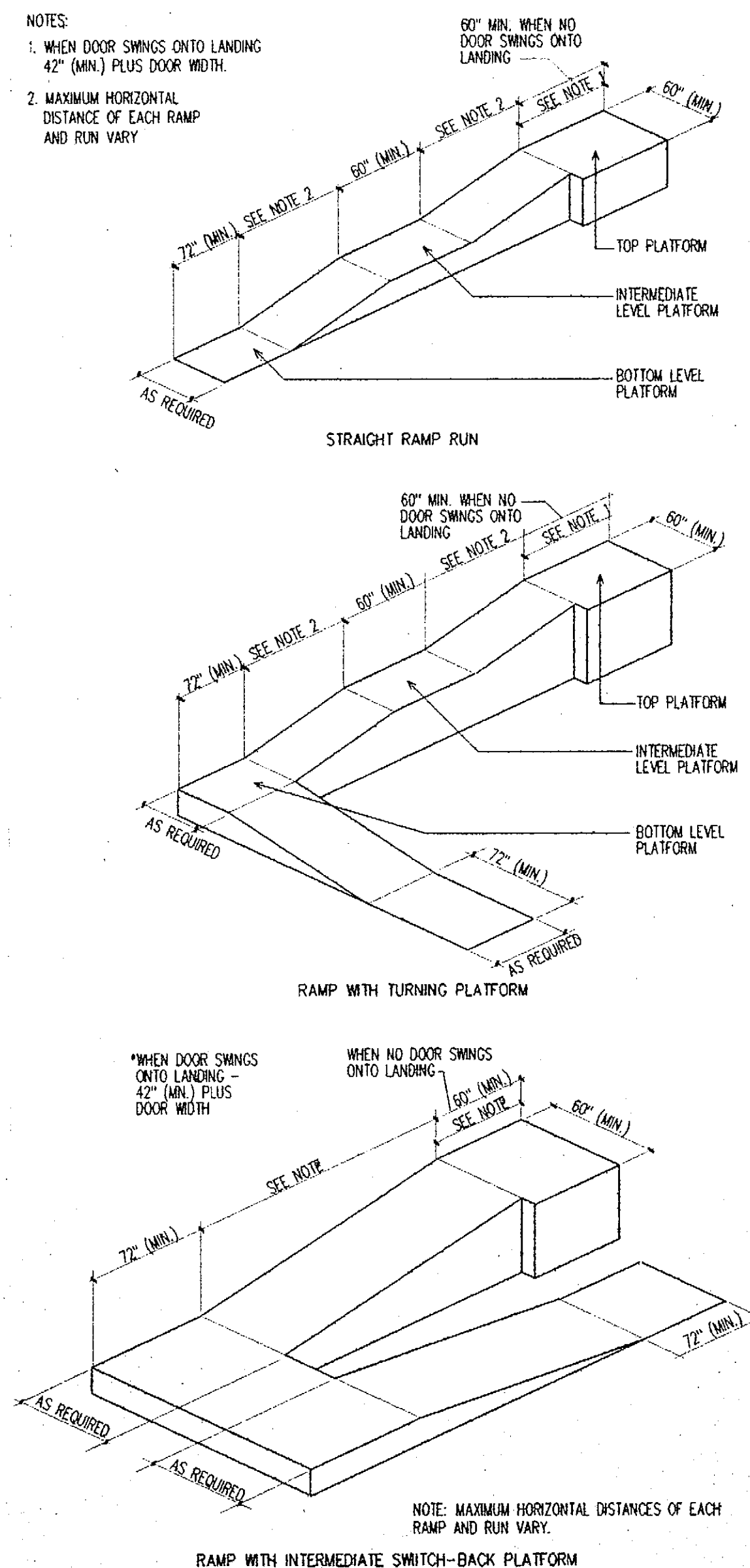
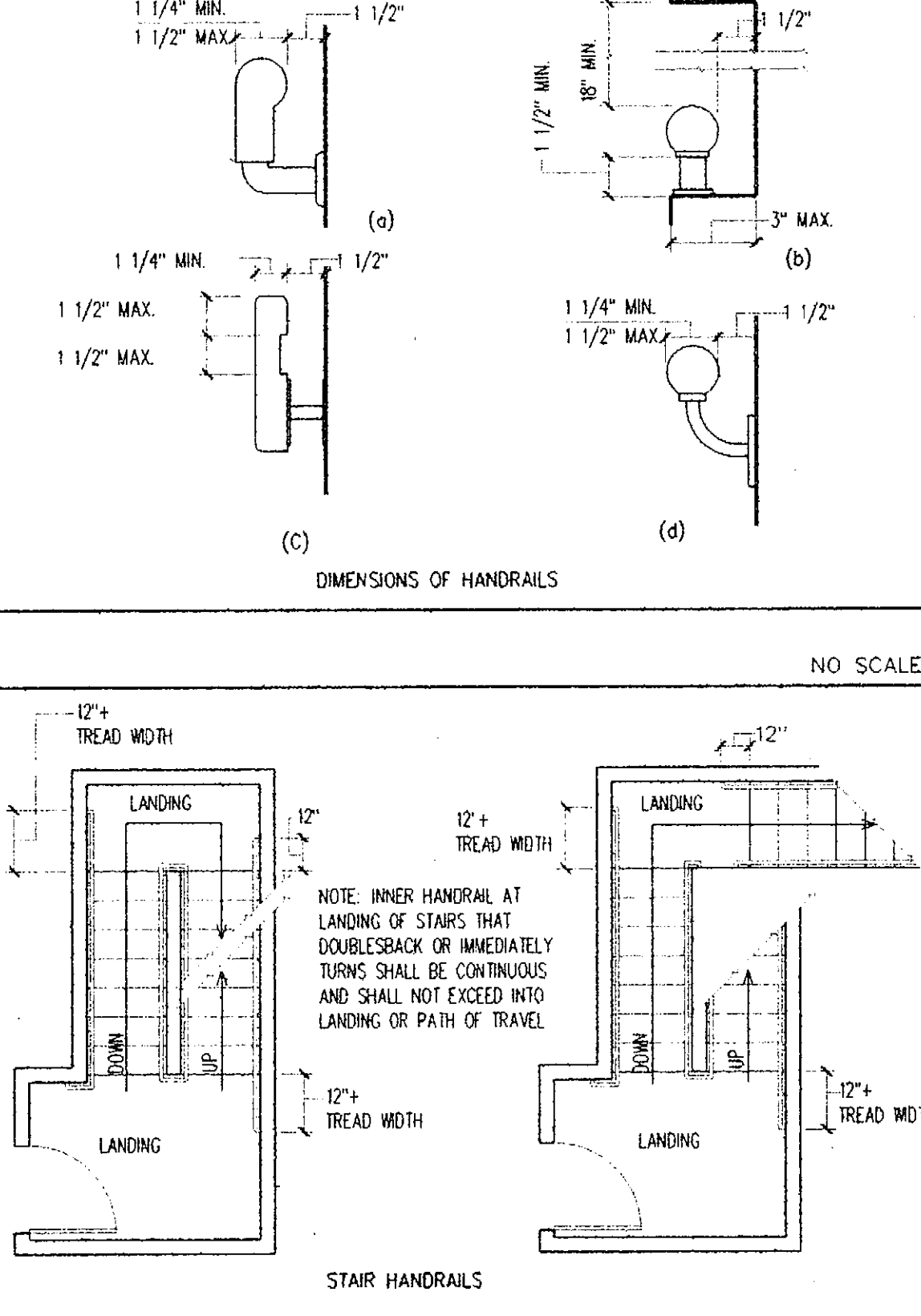
INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE FOLLOWING ELEMENTS AND SPACES OF ACCESSIBLE FACILITIES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THIS SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE GROUND. THE BLUE SHALL BE EQUAL TO COLOR NUMBER 15090 IN FEDERAL STANDARD 595B.

1. ACCESSIBLE PARKING SPACES, EXCEPT WHERE THE TOTAL PARKING SPACES PROVIDED ARE FIVE OR LESS.
2. ACCESSIBLE AREAS OF REFUGE.
3. ACCESSIBLE PASSENGER LOADING ZONES.
4. ACCESSIBLE TOILET AND BATHING FACILITIES.

SUGGESTED MOUNTING HEIGHTS	
TOILET CENTERING FROM WALL	18"
TOILET SEAT HEIGHT/ DIMENSION TO TOP OF SEAT	17"-19"
GRAB BAR HEIGHT (SIDE)	33"
TOILET PAPER IN FRONT OF TOILET	12" (MAX.)
NAPKIN DISPOSAL IN FRONT OF TOILET	12" (MAX.)
DISPENSER OR MIRROR HEIGHT	40" (MAX.)
LAVATORY/SINK TOP HEIGHT	34 (MAX.)
LAVATORY/SINK KNEE CLEARANCE	29 (MAX.)
URNINAL LIP HEIGHT	17" (MAX.)
URNINAL FLUSH HANDLE HEIGHT	44" (MAX.)
DRINKING FOUNTAIN BUBBLER HEIGHT	36" (MAX.)
DRINKING FOUNTAIN KNEE CLEARANCE	27" (MIN.)
RAMP/STAIR HANDRAIL HEIGHT	34"-38"

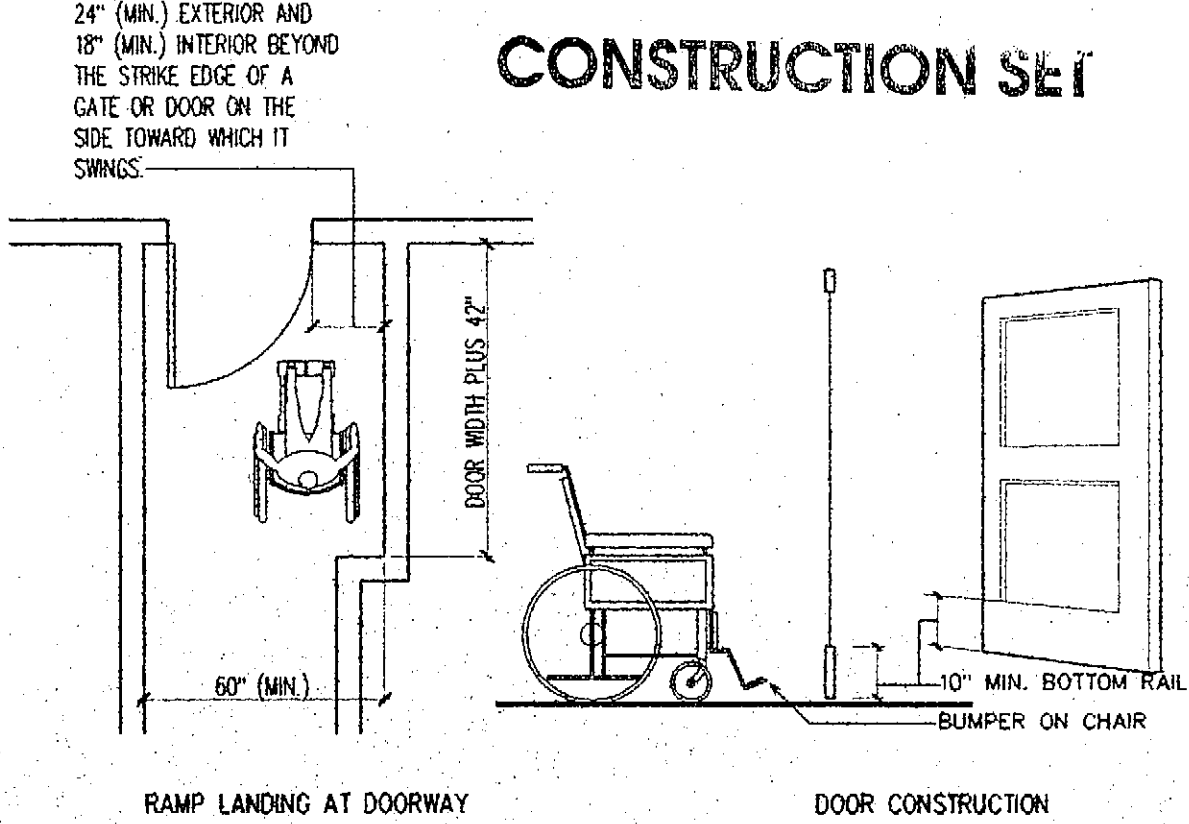
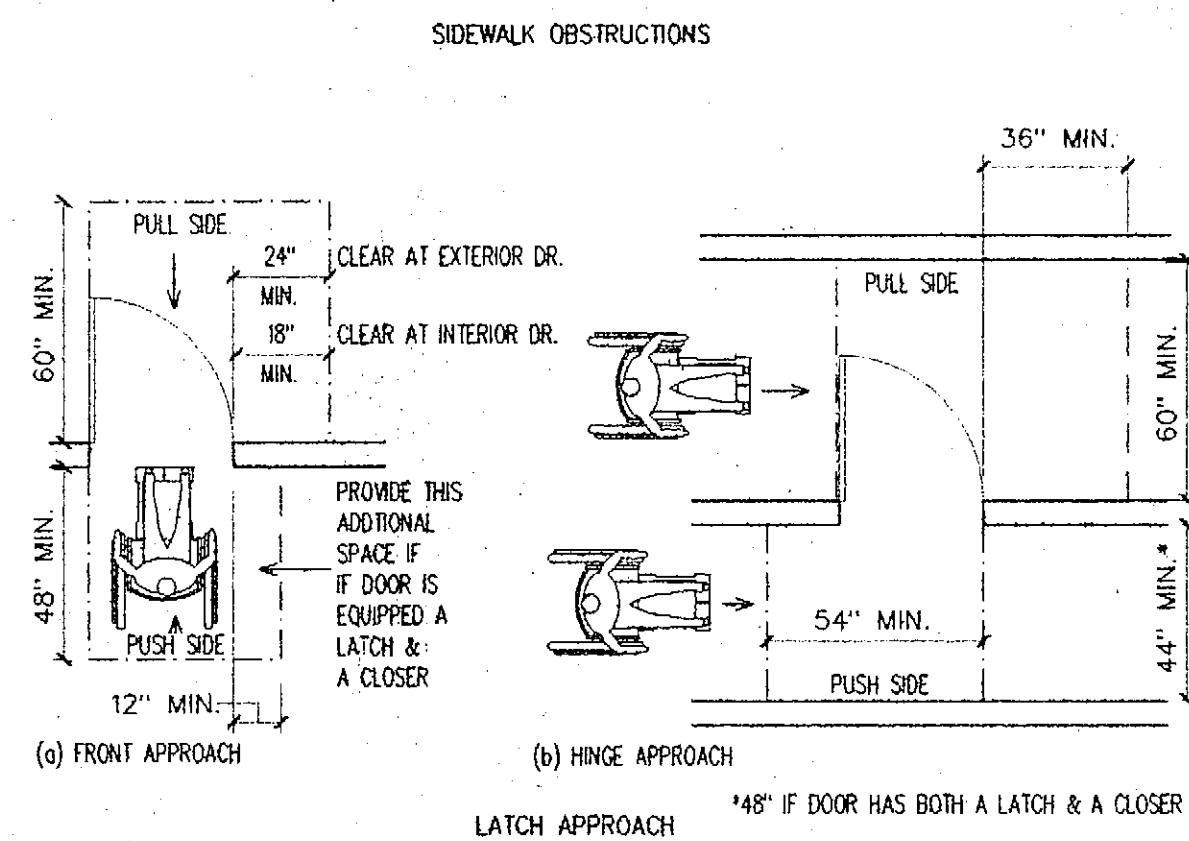
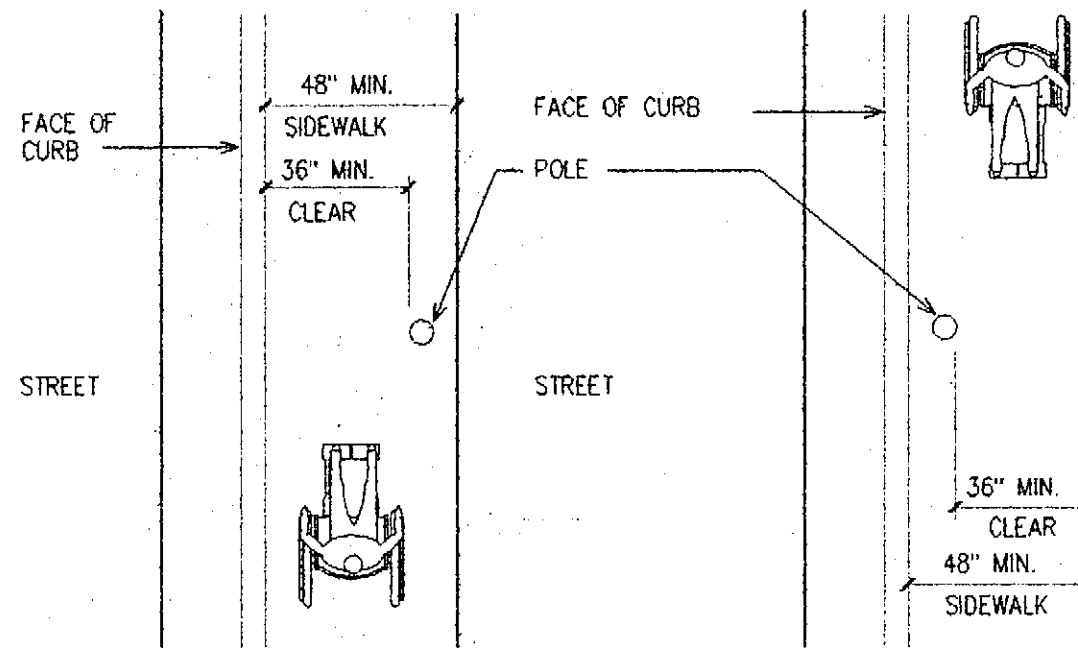
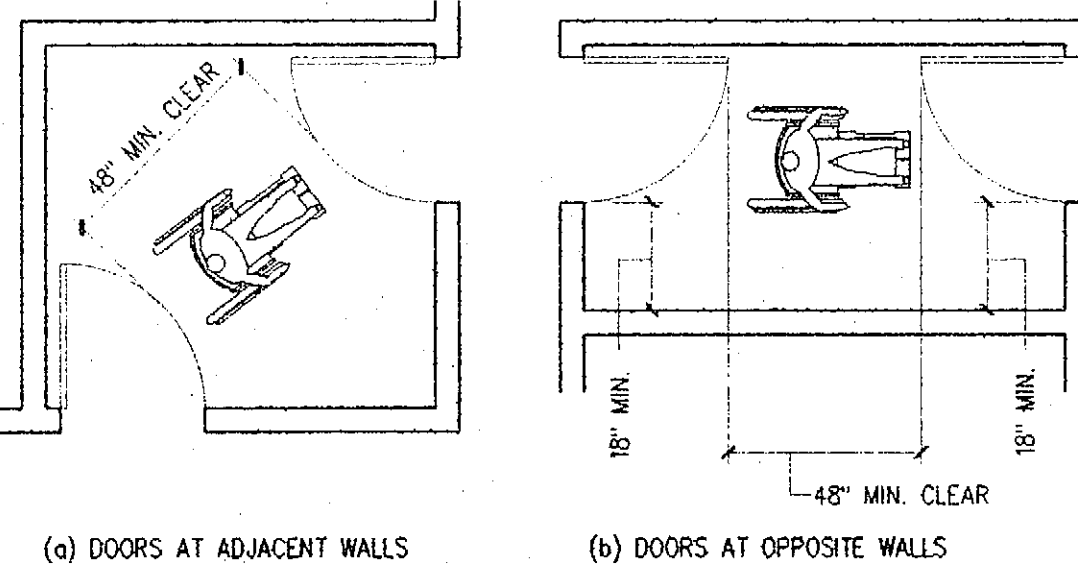


- NOTES:
1. IF MINIMUM CLEAR FLOOR OR GROUND SPACE HAS ONE TO SIDES CONFINED BY SURFACES ADDITIONAL 6" MIN. WIDTH OF MANEUVERING SPACE IS TO BE PROVIDED.
 2. FLOOR OR GROUND SURFACE TO BE SLIP RESISTANT.
 3. ENCLOSURES PROJECTING INTO WALKS, HALLS, CORRIDORS OR AISLES TO COMPLY WITH REQUIREMENTS FOR PROTRUDING OBJECTS.



PROJECTED DRINKING FOUNTAINS

1. WARNING FOR THE VISION IMPAIRED AT A PROJECTED DRINKING FOUNTAIN CAN BE PROVIDED BY EITHER OF THE FOLLOWING MEANS.
 - A. THE SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN CAN BE OF CONTRASTING COLOR WITH A TEXTURE THAT CONTRAST IN RESILIENCY WITH THE ADJACENT FINISHED FLOOR MATERIAL, SO THAT IT CAN BE SENSED BY A CANE WITH THE TEXTURE EXTENDING FROM THE WALL TO ONE FOOT BEYOND THE FRONT EDGE OF THE DRINKING FOUNTAIN AND ONE FOOT BEYOND EACH SIDE OF THE FOUNTAIN, OR
 - B. INSTALL WING WALLS ON EACH EACH SIDE OF THE DRINKING FOUNTAIN TO PROJECT OUT FROM THE AMIN WALL AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6" OF TRAVEL FLOOR FINISH THERE MUST BE 32" CLEAR BETWEEN THE WING WALLS.



CONSTRUCTION SET

MISSION TRAIL COMMUNITY LIBRARY WILDOMAR, CALIFORNIA

GARY W. MILLER ARCHITECT & ASSOCIATES

PHONE: (805) 889-1180 FAX: (805) 381-8031 350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

REVISIONS

SHEET TITLE
HANDICAPPED TITLE 24 SHEET

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

DRAWN BY:

CHECKED BY:
GARY M.

JOB NUMBER:
99870

DATE:
JUNE 9, 2000

SHEET

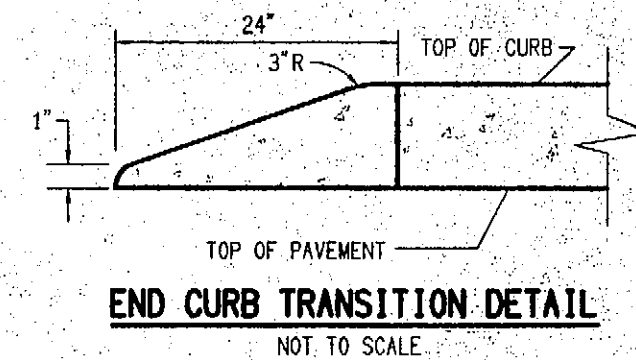
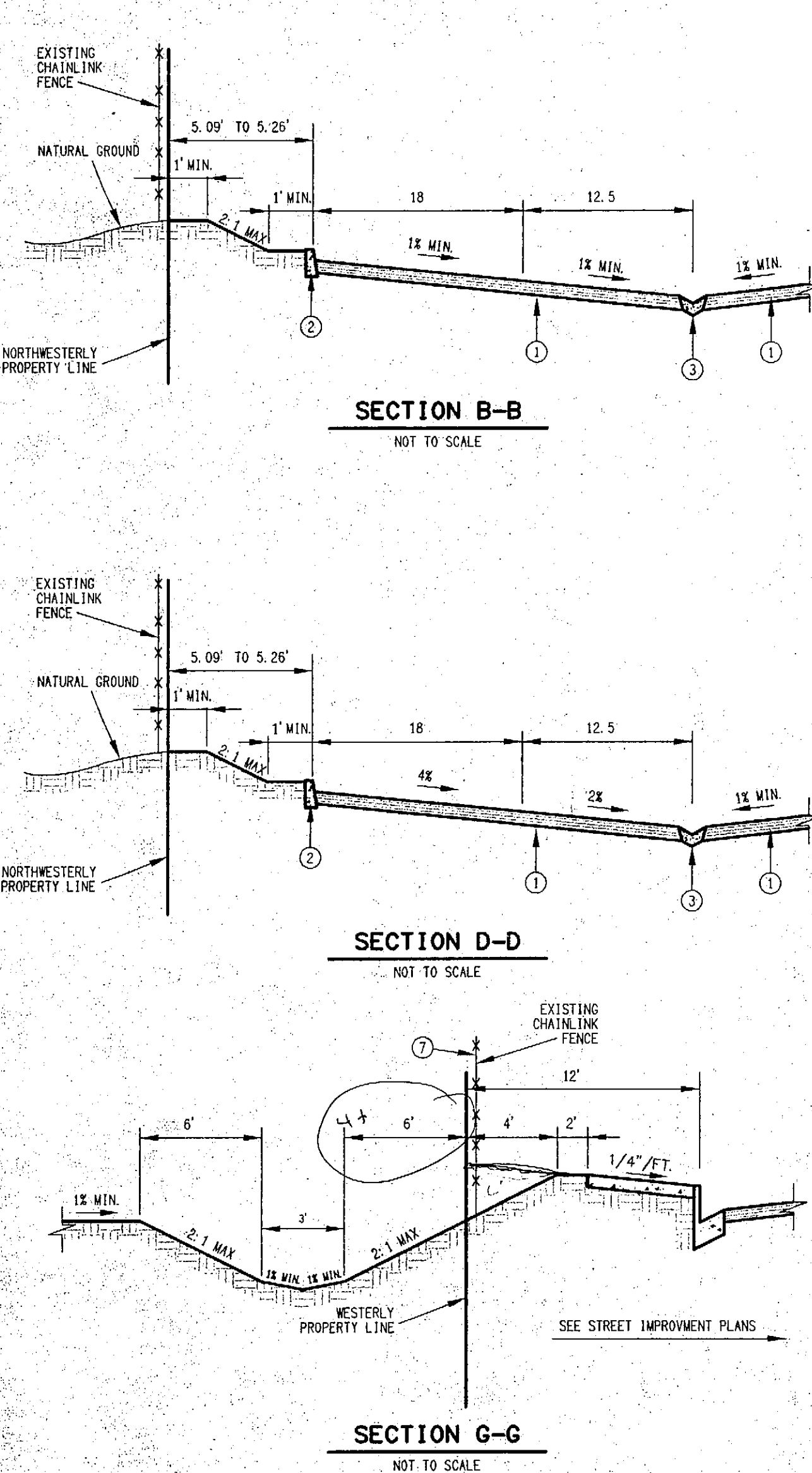
G1.3

MISSION TRAIL COMMUNITY LIBRARY PRECISE GRADING PLAN

-
- SECTION A-A**
NOT TO SCALE
- SECTION C-C**
NOT TO SCALE
- SECTION F-F**
NOT TO SCALE

1. QUANTITIES SHOWN ARE FOR PLAN CHECK PURPOSES AND BONDING PURPOSES ONLY.
2. CONTRACTOR IS RESPONSIBLE FOR CALCULATING OWN QUANTITIES.
3. SHRINKAGE (18-20%) SUBSIDENCE (2.5") AND OVER EXCAVATION (5") WERE OBTAINED FROM SOILS REPORT.
4. SOILS REPORT WAS PREPARED BY: SOILS SOUTHWEST, INC

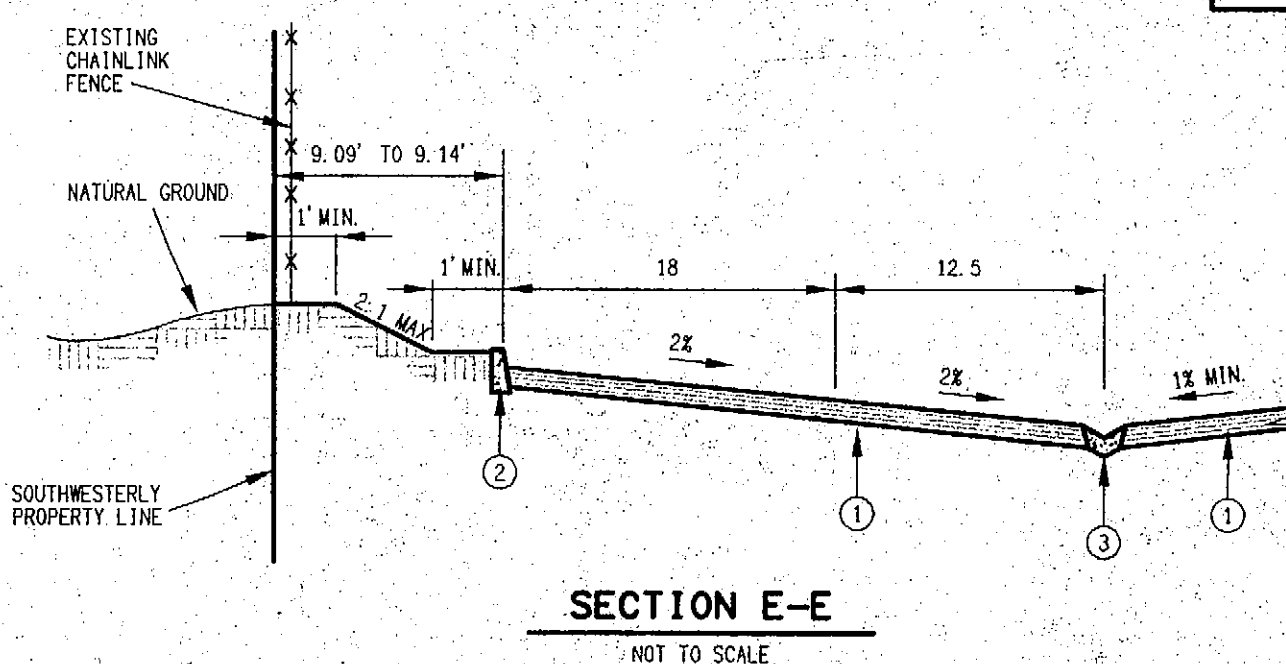
CUT:	1,895 C. Y.
FILL:	1,110 C. Y.
EXPORT:	785 C. Y.
SHRINKAGE:	211 C. Y.
SUBSIDENCE:	413 C. Y.
SHRINKAGE FROM OVER-EXCAVATION:	350 C. Y.
TOTAL IMPORT:	189 C. Y.



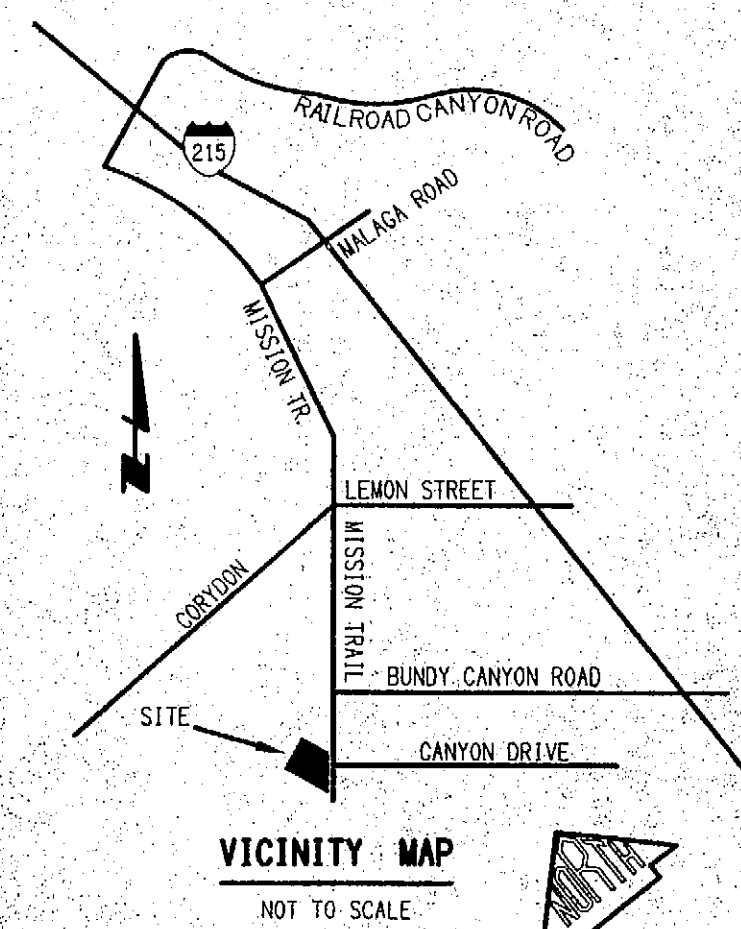
- ① CONSTRUCT 3" AC OVER 4" CL II AB. (TENTATIVE SECTION FOR BIDDING AND BONDING PURPOSES ONLY, FINAL SECTION TO BE DETERMINED SOILS ENGINEER DURING ROUGH GRADING.)
- ② CONSTRUCT 6" TYPE "D" CURB PER COUNTY OF RIVERSIDE STD. NO. 204.
- ③ CONSTRUCT 3" WIDE CONCRETE GUTTER PER DETAIL SHOWN ON SHEET 1.
- ④ CONSTRUCT GROUTED RIP RAP.
- ⑤ INSTALL 24" RCP.
- ⑥ CONSTRUCT 4" CONCRETE SIDEWALK.
- ⑦ REMOVE EXISTING CHAIN LINK FENCE.
- ⑧ DELETED.
- ⑨ ELECTRIC BOX TO BE RELOCATED BY OTHERS.
- ⑩ ADJUST GAS RISER TO GRADE.
- ⑪ UTILITY POLE TO BE RELOCATED BY OTHERS.
- ⑫ EXISTING SEPTIC CLEAN-OUT TO BE REMOVED OR ABANDONED PER THE RECOMMENDATION OF THE SOILS ENGINEER.
- ⑬ INSTALL HANDICAP SIGN & POST
- ⑭ INSTALL TRUNCATED DOME ON HANDICAP ACCESSIBLE WALKWAY.

27, 118.24	SF
1, 140.08	LF
728.85	LF
3	EA
58.04	SF
2, 281.1	LF
313.7	LF

1. QUANTITIES ARE FOR PLAN CHECK AND BONDING PURPOSES ONLY.
2. CONTRACTOR IS RESPONSIBLE FOR CALCULATING OWN QUANTITIES.



SECTION E-E



CONSTRUCTION SET

NOTE:
WORK CONTAINED IN THESE PLANS SHALL NOT
COMMENCE UNTIL AN ENCROACHMENT PERMIT
AND /OR GRADING PERMIT HAS BEEN ISSUED.

 CALL UNDER GROUND
SERVICE ALERT
48 HOURS BEFORE YOU DIG
1-800-422-4133

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

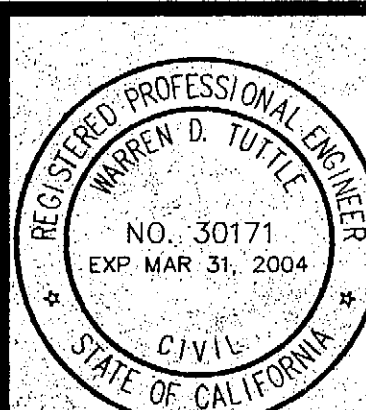
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, THE OWNERS, AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

[illegible]

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY

RECOMMENDED

DATE _____



DATE _____

WARREN D. TUTTLE, R. C. E. 30171
EXPIRATION DATE: 3/31/2004



DRAWN BY CAW
DESIGNED MLA

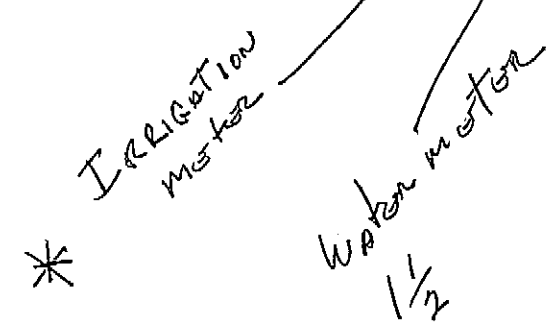
DESCRIPTION:
330.0 FEET NORTH OF THE "T"
INTERSECTION OF OLIVE STREET AND
CRESCENT AVE., 32.0 FEET EAST OF
THE CENTER OF CRESCENT AVE., 3.0
FEET SOUTH OF POWER POLE #1243; 3.0
FEET SOUTHWEST OF POWER POLE
#1296688F, 1.0 FEET WEST OF A
MARKER POST, A BRASS DISK SET IN
TOP OF A CONCRETE POST, AND MARKED
E-4-70.

ELEV. 1271-178

COUNTY OF RIVERSIDE
PRECISE GRADING PLANS
MISSION TRAIL
COMMUNITY LIBRARY

WO	COUNTY
00-210	FILE NO.

DRAWING NO. _____
SHEET **1** OF
2 SHEETS
SCALE _____
AS NOTED



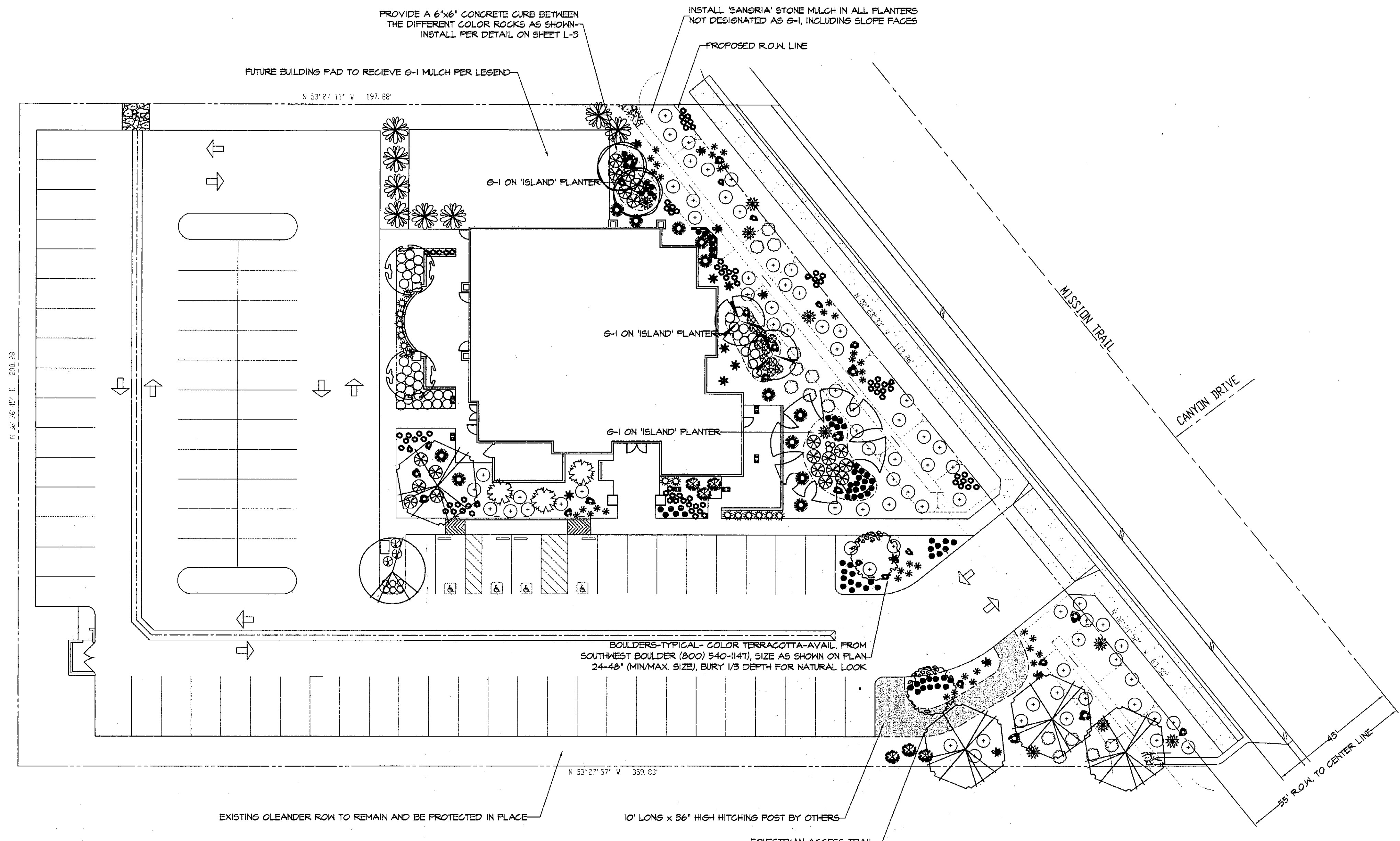
VALVE NUMBER

VALVE DEMAND

VALVE SIZE

1-1/4" SLEEVE	1-3 WIRES	1/2" PIPE
1-1/2" SLEEVE	4-8 WIRES	3/4" PIPE
2" SLEEVE	4-15 WIRES	1" PIPE
2-1/2" SLEEVE	16-24 WIRES	1-1/4" PIPE
3" SLEEVE	25-35 WIRES	1-1/2" PIPE
4" SLEEVE	36-50 WIRES	2 - 2-1/2" PIPE

SCALE:	1" = 20' - 0"
DRAWN BY:	CADD
CHECKED BY:	S.T.B.
JOB NUMBER:	00-10
DATE:	MAY 2000
SHEET	
L-1	



PLANTING NOTES

GENERAL:
REFER TO THE WRITTEN SPECIFICATIONS IN BOOK FORM FOR COMPLETE PROJECT SPECIFICATIONS.

SOILS TEST:
AFTER ALL ROUGH GRADING HAS BEEN COMPLETED BUT PRIOR TO SOIL PREPARATION, THE CONTRACTOR SHALL OBTAIN A SOIL TEST FOR AGRICULTURAL SUITABILITY AND FERTILITY. FURNISH ONE COPY OF TEST RESULTS TO THE LANDSCAPE ARCHITECT. SOILS TEST REPORT SHALL SUPERSEDE ALL SPECIFICATIONS. SPECIFICATIONS SHOWN BELOW ARE FOR BID PURPOSES ONLY. ALL SOIL CONDITIONING AND AMENDING SHALL BE PER RECOMMENDATIONS. TEST SHALL INCLUDE THE FOLLOWING ITEMS: SOIL TYPE (TEXTURE), PH, TOTAL SOLUBLE SALTS (BY ELECTRICAL CONDUCTIVITY OF THE SOIL SATURATION EXTRACT), BORON LEVEL, EXCHANGEABLE SODIUM PERCENTAGE, NUTRIENTS (N,P,K), MICRO NUTRIENTS (NO3, NH4, P, K, Ca, Mg, Na, B, Zn, Fe, Cu, Mn, S), PERCOLATION, % OF ORGANIC MATTER, CATION EXCHANGE CAPACITY, BASE SATURATION, EXCESS LIME OR CARBONATES.

GRADING:
FINISH GRADE AFTER MULCH PLACEMENT IN ALL PLANTED AREAS SHALL BE 2" BELOW ADJACENT WALKS, CURBS OR PAVING.

WEEDS:
REMOVE ALL EXISTING WEEDS FROM THE SITE PRIOR TO PLANTING. AFTER PLANTING TREAT ALL SHRUB/MULCH BEDS WITH A PRE-EMERGENT HERBICIDE AS RECOMMENDED BY A LICENSED PEST CONTROL ADVISOR.

MULCH:
MULCH SHALL CONSIST OF 2" MINUS STONE MULCH. COLOR SHALL BE AS SPECIFIED ON THE PLANS. APPLY AT A DEPTH OF 2" IN ALL PLANTER BEDS (EXCAVATE AS NEEDED). AREAS TO RECEIVE MULCH SHALL BE GRADED SMOOTH AND WATER ROLLED PRIOR TO INSTALLATION. INSTALL A WEED BARRIER EQUAL TO DEWITTS UNDER ALL STONE MULCH. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

TREE AND SHRUB PLANTING:
BACKFILL MIX FOR TREES AND SHRUBS SHALL CONSIST OF 70% CLEAN ON-SITE SOIL AND 30% NITROLIZED SHAVINGS. ADD SUPERPHOSPHATE AND OTHER NUTRIENTS AS RECOMMENDED BY THE SOILS TEST RESULTS.

TREE STAKING:
STAKE ALL TREES PER DETAIL.

QUANTITIES:
QUANTITIES SHOWN ARE AN AID ONLY, CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BIDDING/COMMENCING WORK.

SUBSTITUTIONS:
NO PLANT SUBSTITUTIONS WILL BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT/OWNER.

GUARANTEE:
CONTRACTOR SHALL GUARANTEE ALL TREES FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER.

INSPECTIONS:
REFER TO THE WRITTEN SPECIFICATIONS IN BOOK FORM FOR A SCHEDULE OF REQUIRED INSPECTIONS.

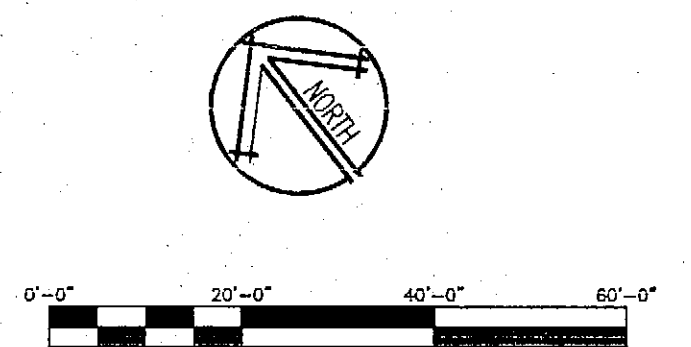
PLANTING LEGEND

SYMBOL	QUAN.	SIZE	BOTANICAL/COMMON NAMES	NOTES
TREES				
	2	15 GAL	BRACHYCHITON POPULENUS / BOTTLE TREE	LOW BRANCHED
	1	24" BOX	ALBIZIA J. 'ROSEA' / SILK TREE	NATURAL MULTI-STEM
	2	15 GAL	CERCIS CANADENSIS / EASTERN REDBUD	TREE FORM
	2	15 GAL	ERIOBOTRYA DEFLEXA / BRONZE LOQUAT	NATURAL MULTI-STEM
	3	15 GAL	JUNIPERUS S. 'TOLLESON'S BLUE' / BLUE WEEPING JUNIPER	LOW BRANCHED
	2	15 GAL	LASERSTROEMIA INDICA 'RED' / RED GRAPE MYRTLE	NATURAL MULTI-STEM
	4	15 GAL	PROSOPIS CHILENSIS / CHILEAN MESQUITE	TREE FORM-THORNLESS VARIETY ONLY
	1	15 GAL	RHUS LANCEA / AFRICAN SUMAC	TREE FORM

PLANTING LEGEND

SYMBOL	QUAN.	SIZE	BOTANICAL/COMMON NAMES	NOTES
SHRUBS				
	14	5 GAL	BACCHARIS 'CENTENNIAL' / COYOTE BUSH	MAINTAIN AT 30" HIGH MAX.
	12	5 GAL	CALLIANDRA ERIOPHYLLA / FAIRY DUSTER	
	40	5 GAL	CISTUS PURPUREUS / PURPLE ROCKROSE	MAINTAIN AT 36" HIGH MAX.
	12	5 GAL	CONVOLVULUS GNEORUM / BUSH MORNING GLORY	
	8	5 GAL	DASYLIRION WHEELERI / DESERT SPOON	
	3	1 GAL	EURYOPS P. 'VIRIDIS' / GREEN EURYOPS	MAINTAIN AT 4' HIGH MAX.
	6	15 GAL	FOUGIERIA SPLENDENS / OCOTILLO	MAINTAIN AT 4' HIGH MAX.
	38	1 GAL	HESPERALOE PARVIFLORA / RED YUCCA	
	20	5 GAL	JUNIPERUS BUFFALO / BUFFALO JUNIPER	
	74	5 GAL	JUNIPERUS WILTONII / BLUE CARPET JUNIPER	
	71	1 GAL	LANTANA MONTEVIDENSIS / TRAILING LANTANA	
	8	5 GAL	LANTANA RADIATION / LANTANA	
	79	1 GAL	MUHLENBERGIA RIGENS / DEER GRASS	
	15	5 GAL	NANDINA DOMESTICA / HEAVENLY BAMBOO	DO NOT HEDGE TRIM-PRUNE SELECTIVELY
	4	1 GAL	PENNISETUM S. 'CUPREUM' / RED FOUNTAIN GRASS	CUT BACK GROWTH IN WINTER
	6	5 GAL	RHAPHIOLEPIS I. 'JACK EVANS' / J. E. INDIA HAWTHORNE	MAINTAIN AT 48" HIGH MAX
	6	1 GAL	ROSMARINUS O. 'PROSTRATA' / PROSTRATE ROSEMARY	MAINTAIN AT 18" HIGH MAX.
GROUND COVERS				
	-	MULCH	1/4"- FINES CRUSHED STONE-COLOR ANTIQUE GOLD AVAILABLE FROM SOUTHWEST BOULDER (800) 540-1147	INSTALL A 2" LAYER WHERE INDICATED INCORPORATE STABILIZER AT 10 LBS/TON OF MULCH
	-	MULCH	1" TO 1-1/2"- STONE MULCH-COLOR SANSRIA AVAILABLE FROM SOUTHWEST BOULDER (800) 540-1147	INSTALL A 5" LAYER IN ALL SHRUB BEDS NOT NOTED OTHERWISE, INCLUDING SLOPES
	-	MULCH	1/4"- FINES CRUSHED STONE-COLOR ADOBE SUNSET AVAILABLE FROM SOUTHWEST BOULDER (800) 540-1147	INSTALL A 2" LAYER ON 'ISLAND MOUNDS' AREA

CONSTRUCTION SET



UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-(800)
422-6188
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

6/1/00 DELETE PLANTS IN PARKING AREA

REGISTERED LANDSCAPE ARCHITECT
SHOW T. BURCH
exp. date
signature
2725
STATE OF CALIFORNIA

SIB LANDSCAPE ARCHITECTS
LANDSCAPE ARCHITECTURE
IRRIGATION CONSULTANTS
10 East Van Street, Suite 200
Brea, CA 92621
Tel: 949.422.6188
Fax: 949.422.6189

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
PLANTING PLAN

SCALE:
1" = 20'-0"

DRAWN BY:
CADD

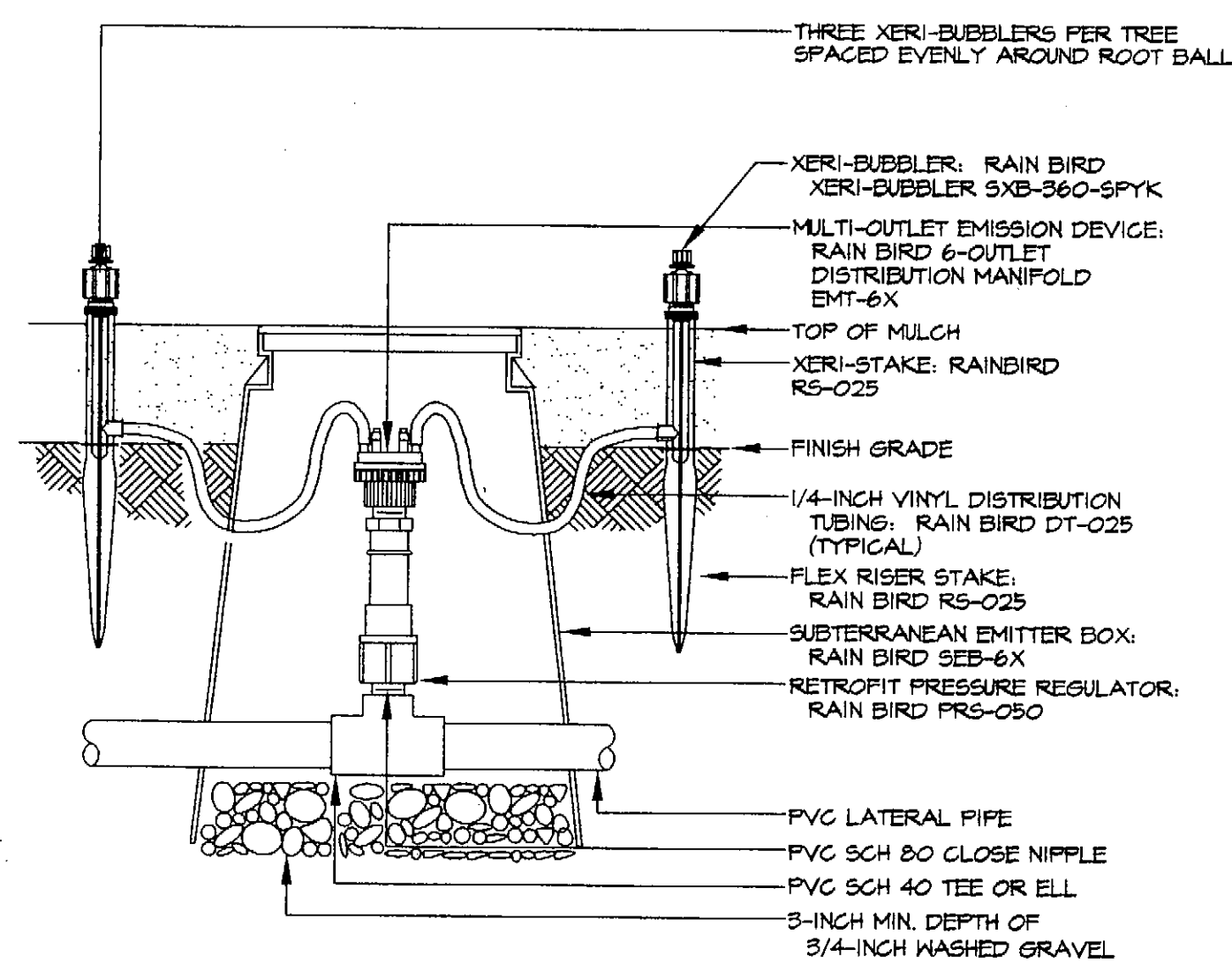
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S.T.B.

JOB NUMBER:
00-10

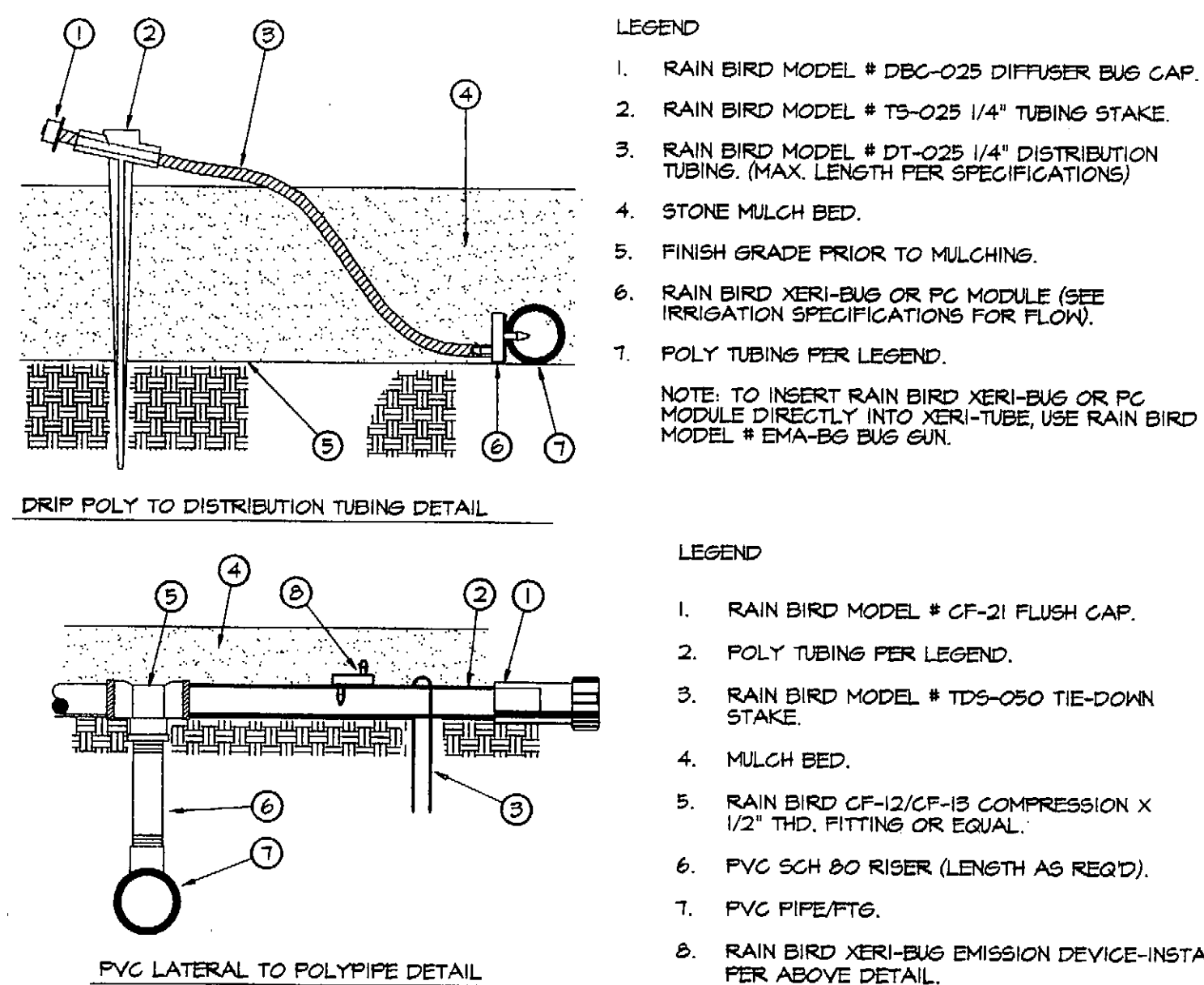
DATE:
MAY 2000

SHEET

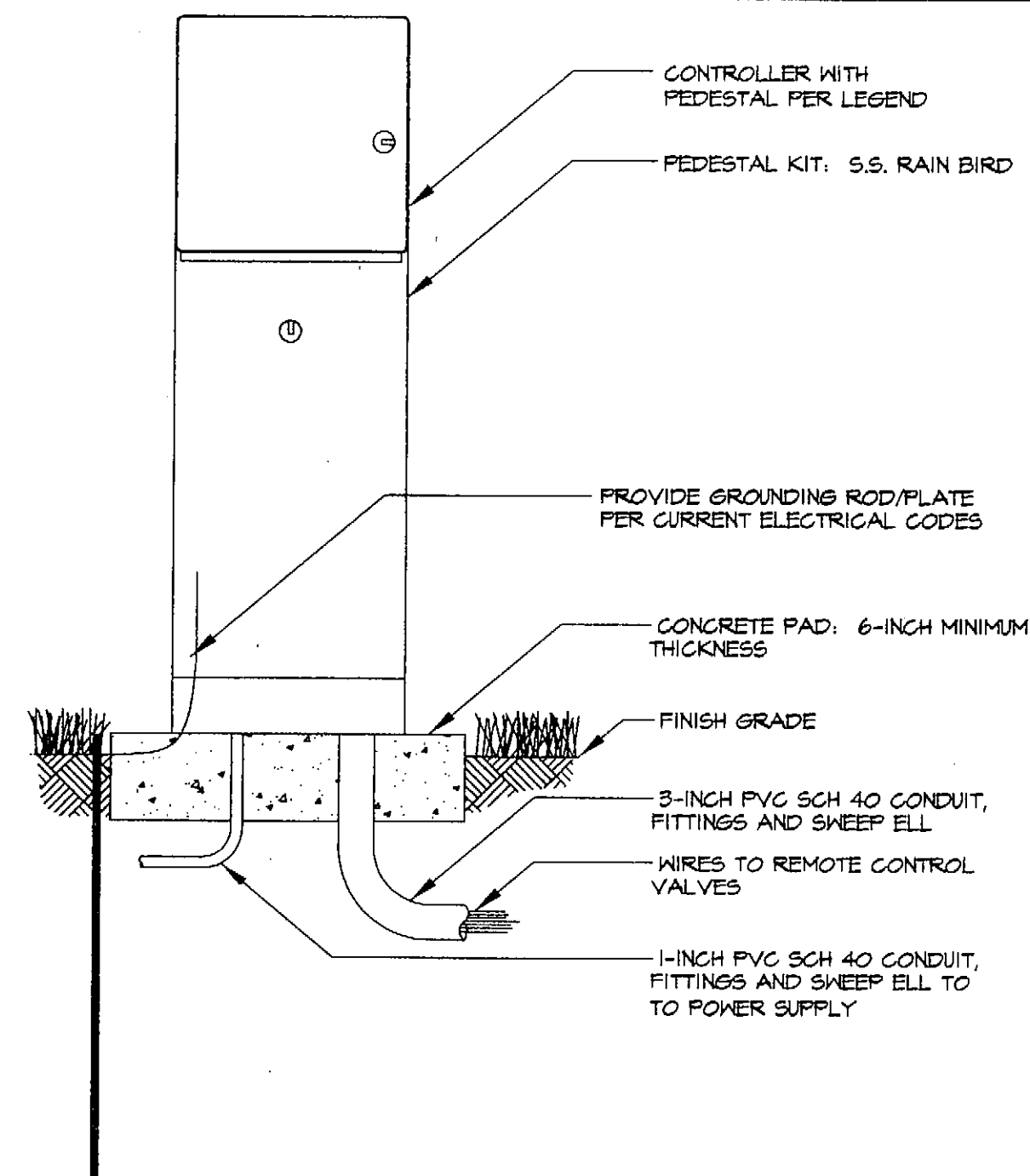
L-2



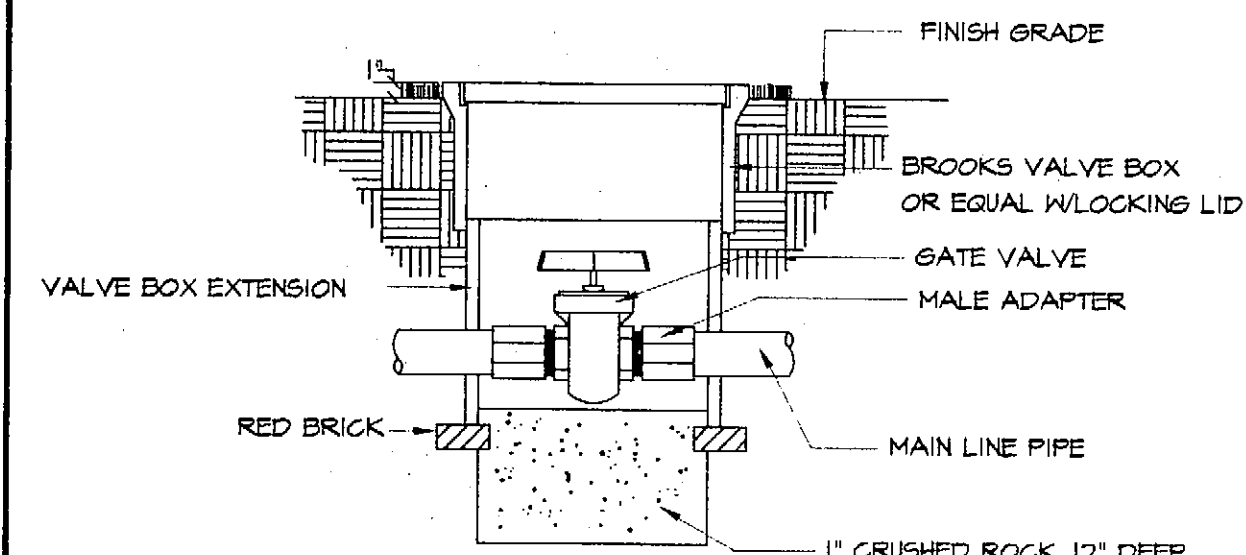
A MULTI-OUTLET EMITTER



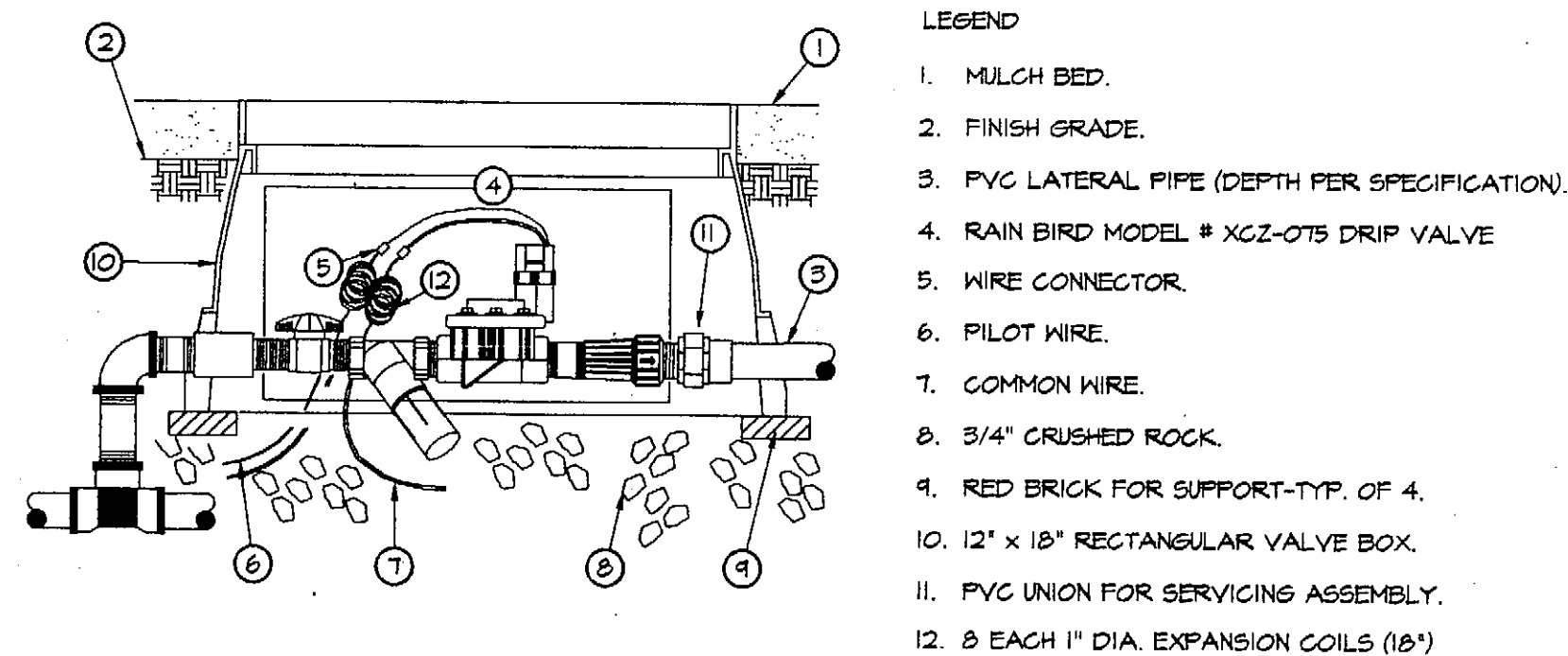
B DRIP EMITTER AND POLY-PIPE



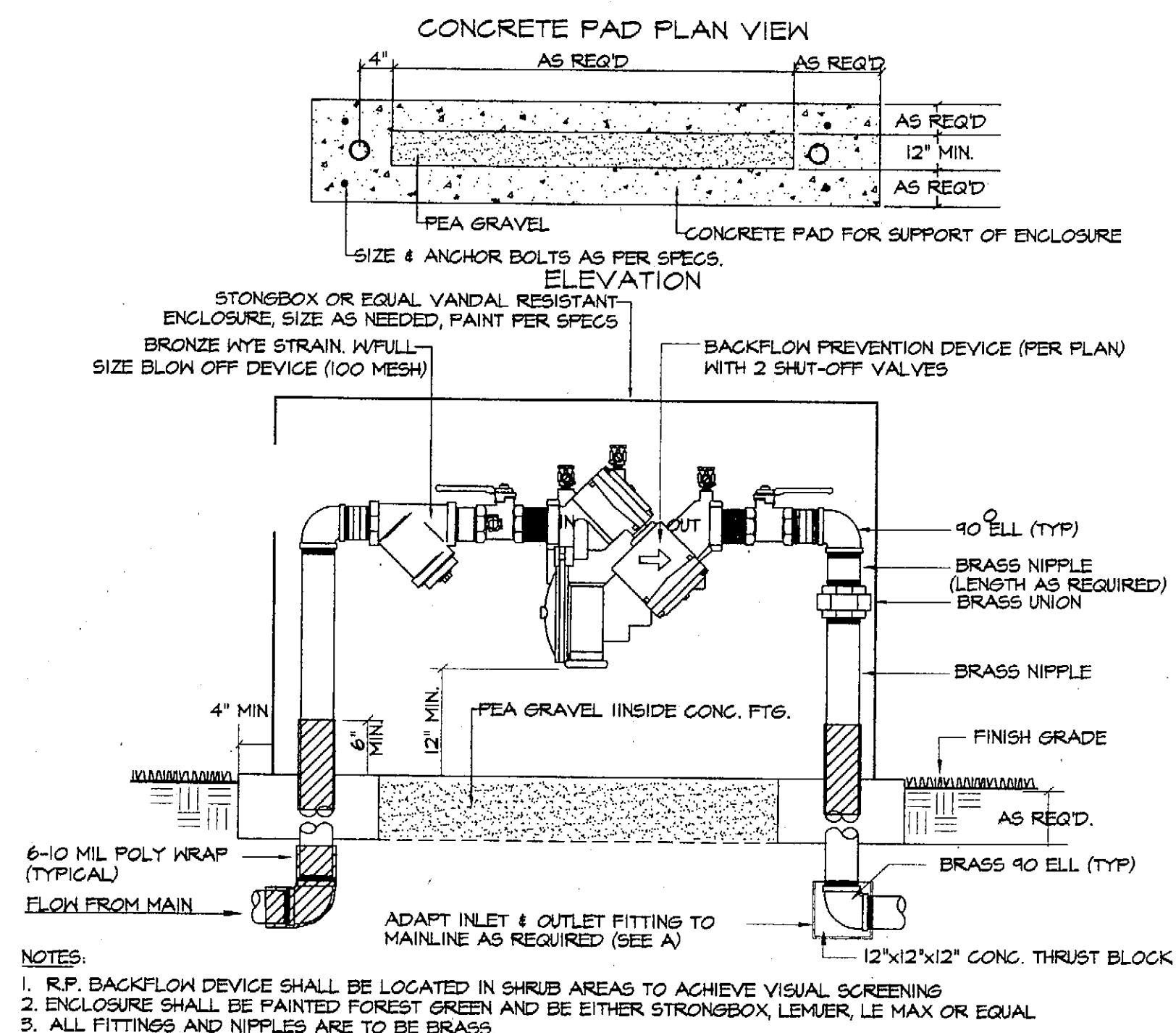
C ELECTRIC CONTROLLER



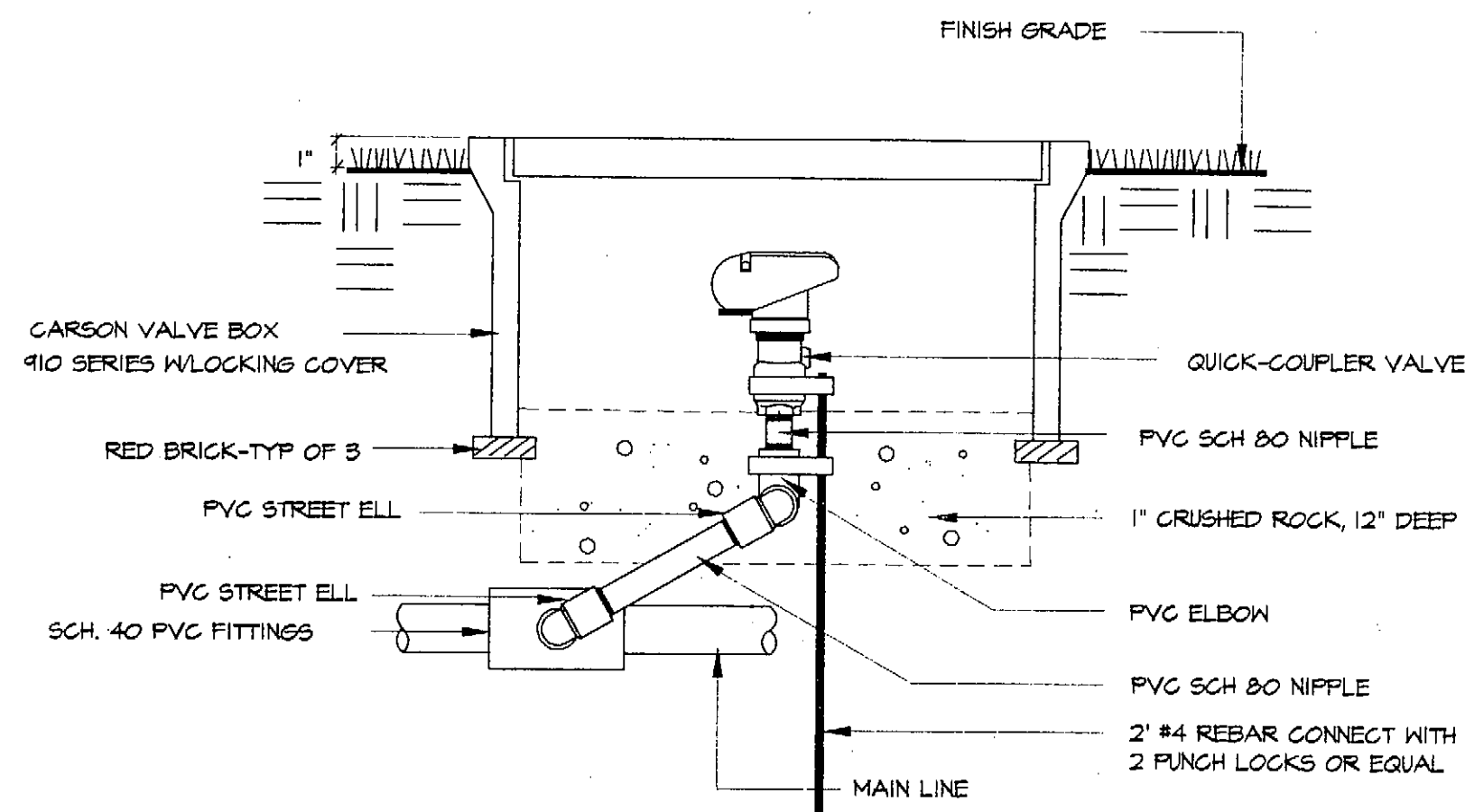
D GATE VALVE



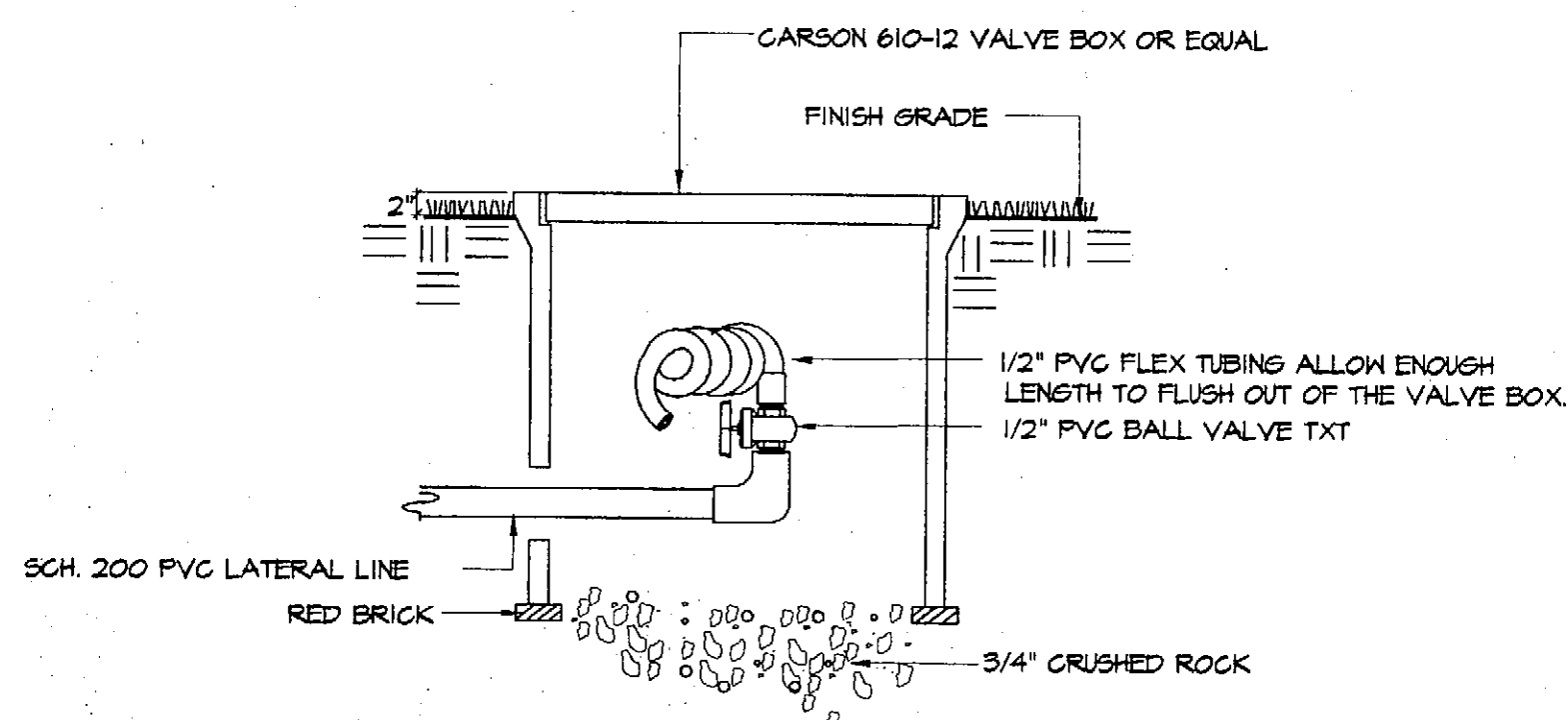
E ELECTRIC DRIP ZONE VALVE



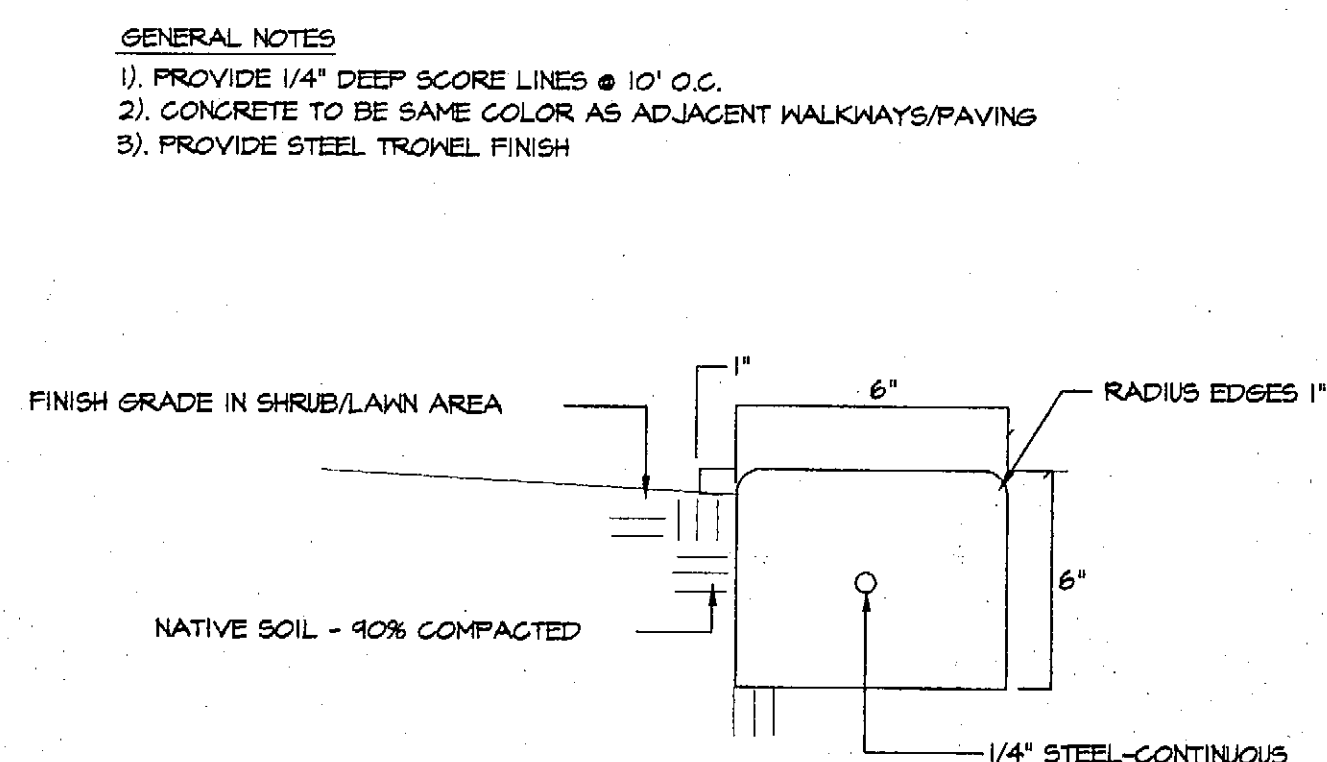
F R.P. BACKFLOW DEVICE



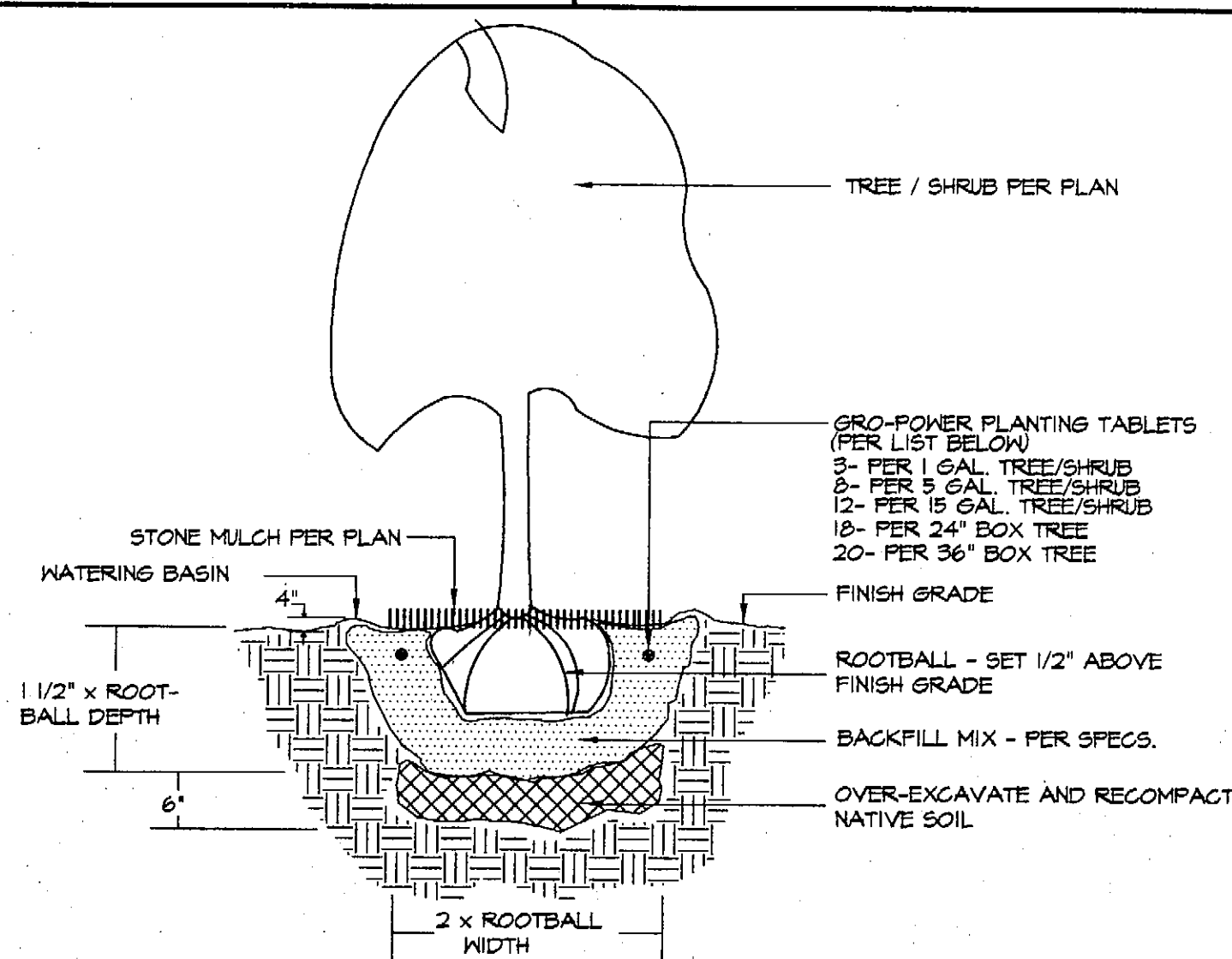
G QUICK COUPLER VALVE



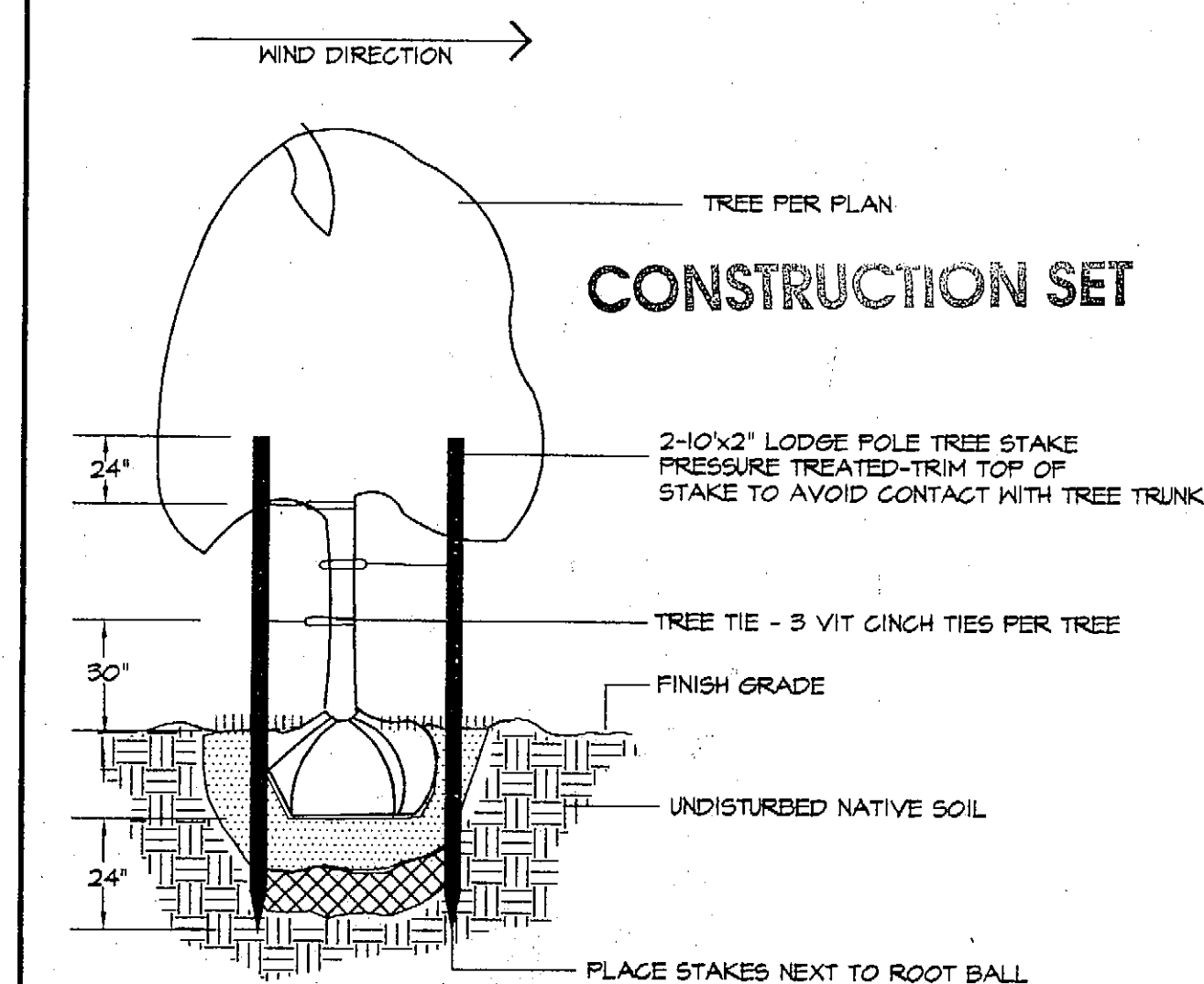
H FLUSH VALVE



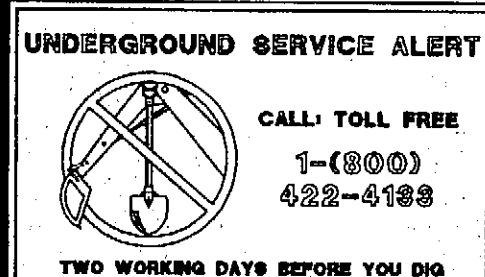
I CONCRETE CURBING



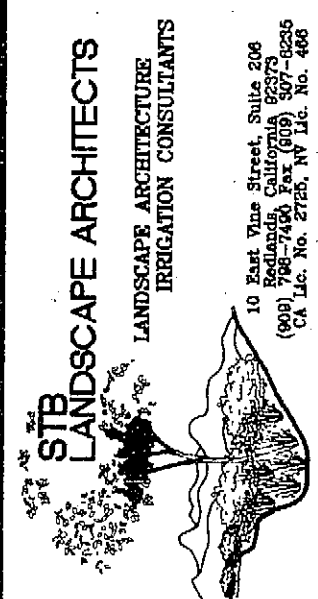
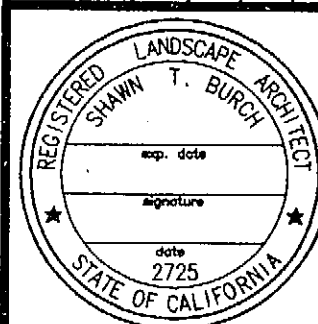
J TREE AND SHRUB PLANTING



K TREE STAKING



REVISIONS



MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
IRRIGATION AND LANDSCAPE
CONSTRUCTION DETAILS

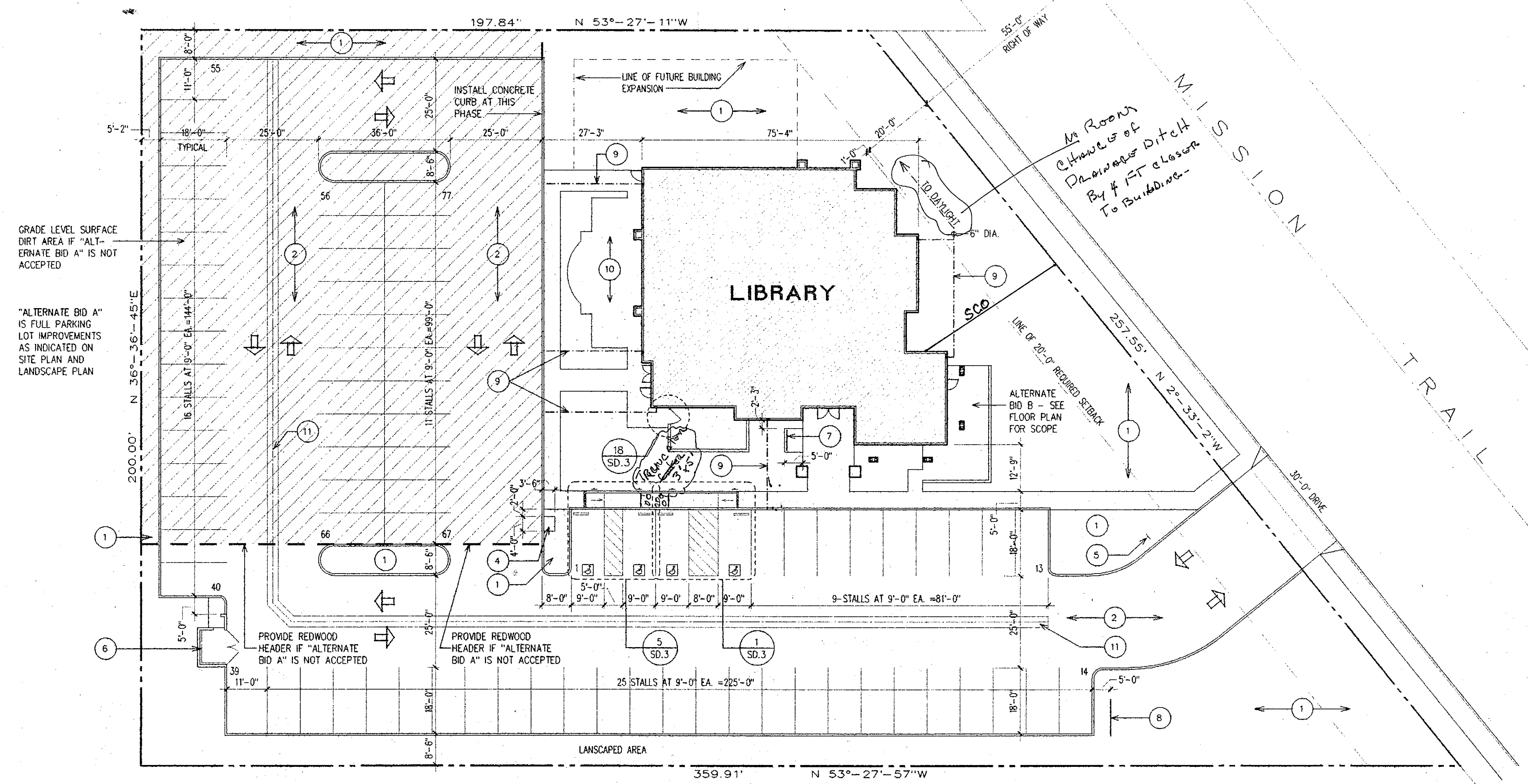
SCALE: NONE
DRAWN BY: CADD
CHECKED BY: S.T.B.
JOB NUMBER: 00-10
DATE: FEBRUARY 2000
SHEET

L-3

PARKING:	
19	PARKING SPACES REQUIRED
74	STANDARD PARKING SPACES PROVIDED
4	HANDICAPPED SPACES PROVIDED
78	TOTAL SPACES PROVIDED

- KEY NOTES: ○
1. LANDSCAPED AREA
 2. A.C. PAVING OVER GRANULAR BASE
 3. 5'-0" WIDE CONCRETE WALK - TYPICAL WIDTH UNLESS NOTED
 4. 4" THICK SLAB AND BOOK RETURN ENCLOSURE
 5. HANDICAPPED ACCESSIBLE SIGN PER 3/SD.3
 6. TRASH ENCLOSURE PER 9/SD.3
 7. 5'-0" LONG BIKE RACK PER DETAIL 17/SD.3
 8. METAL HITCHING POST PER DETAIL 4/SD.3
 9. 4" DIAMETER PVC ROOF DRAIN PIPE UNDER GRADE (TYPICAL SIZE UNLESS NOTED) PER DETAIL 17/SD.3. SLOPE 1/8" MINIMUM
 10. 4" CONCRETE SLAB
 11. CONCRETE SWALE. SEE CIVIL SHEET PRECISE GRADING PLAN SHEET 1 OF 2

Wrong Detail



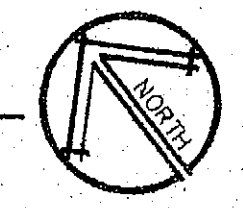
GRADE LEVEL SURFACE
DIRT AREA IF "ALTERNATE BID A" IS NOT
ACCEPTED

"ALTERNATE BID A"
IS FULL PARKING
LOT IMPROVEMENTS
AS INDICATED ON
SITE PLAN AND
LANDSCAPE PLAN

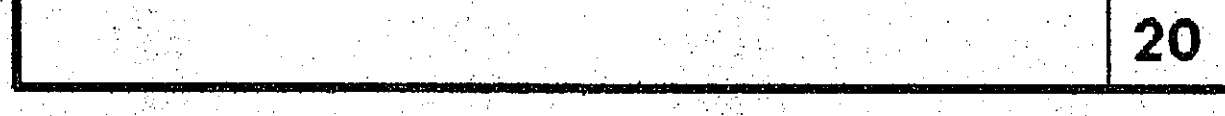
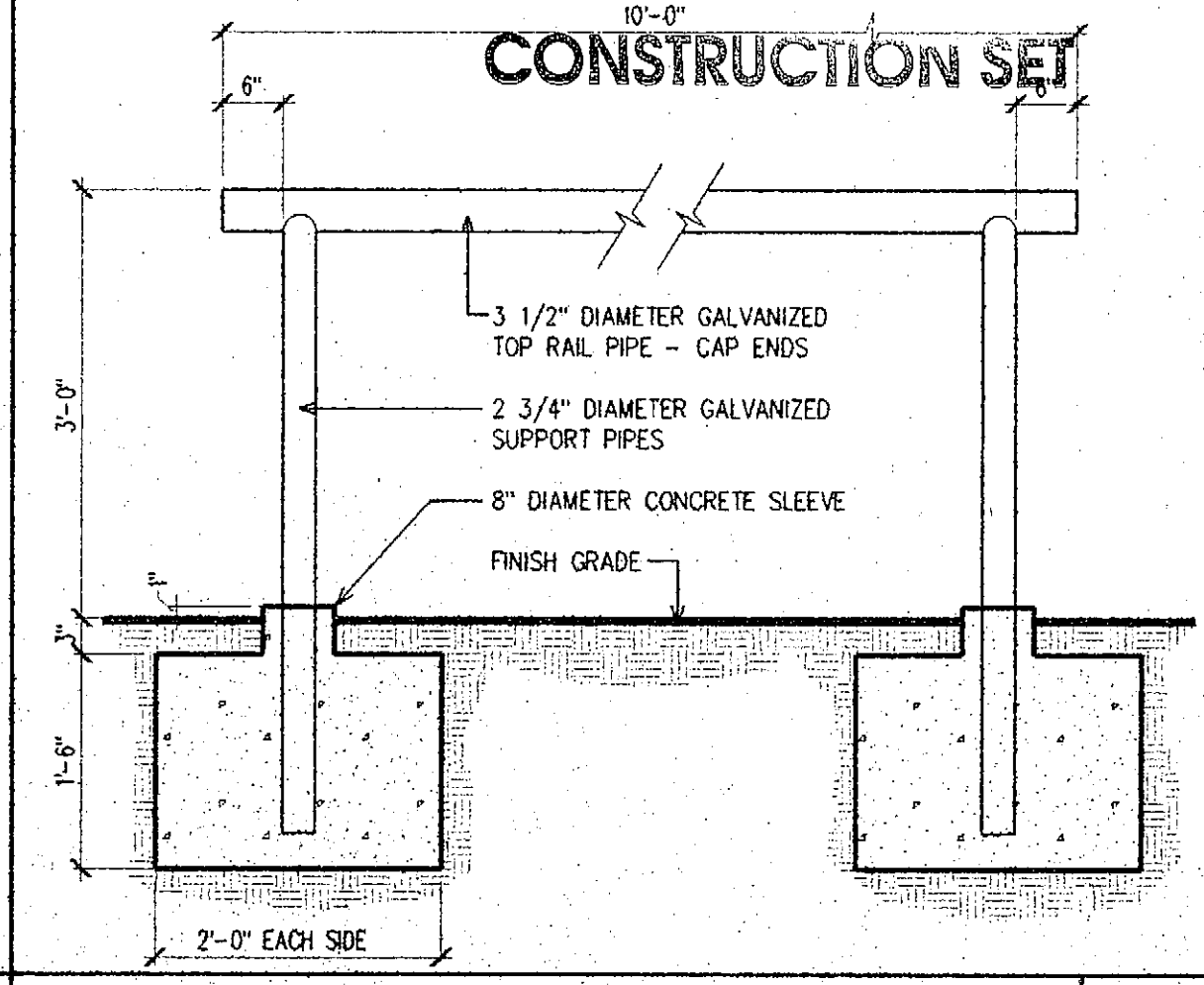
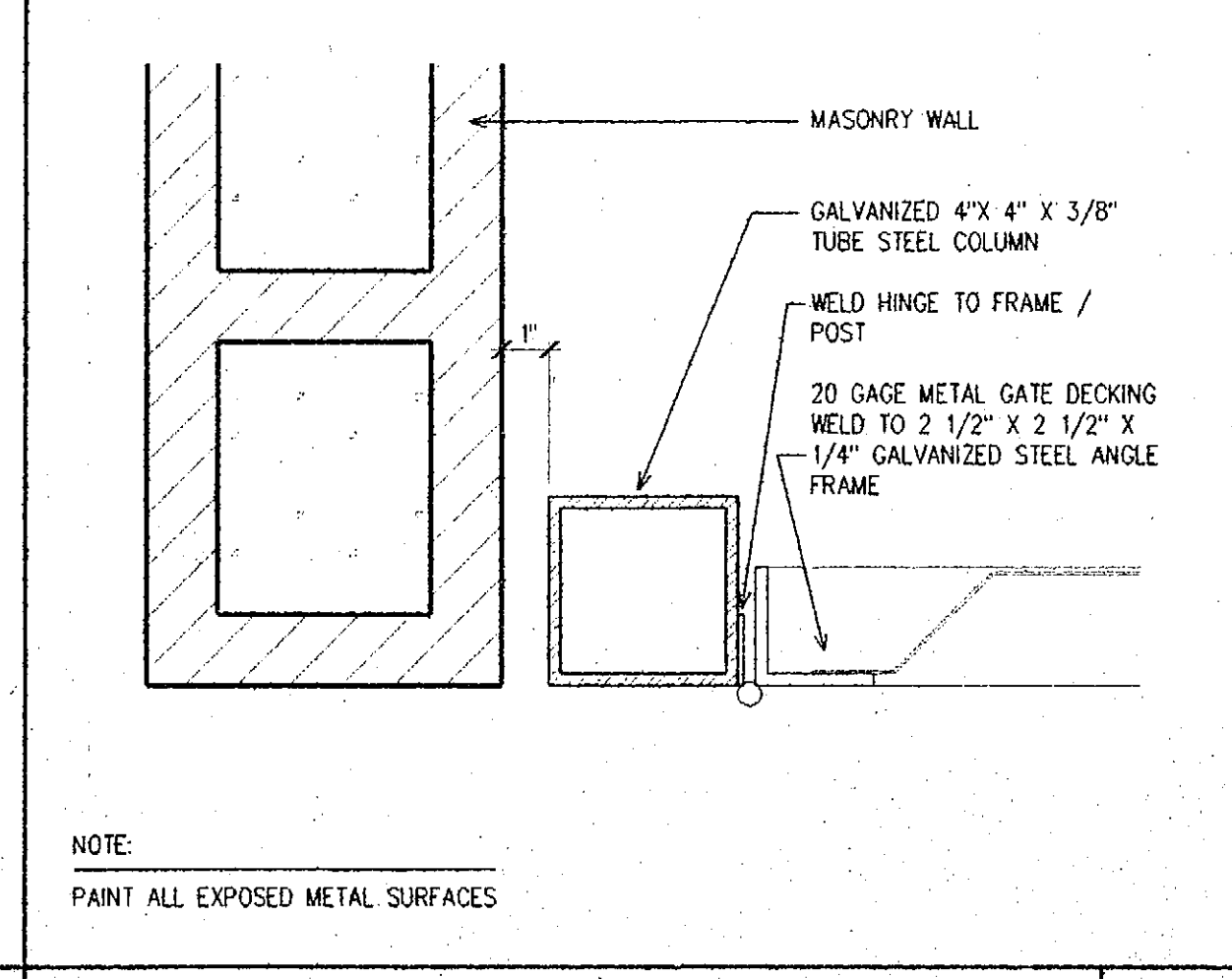
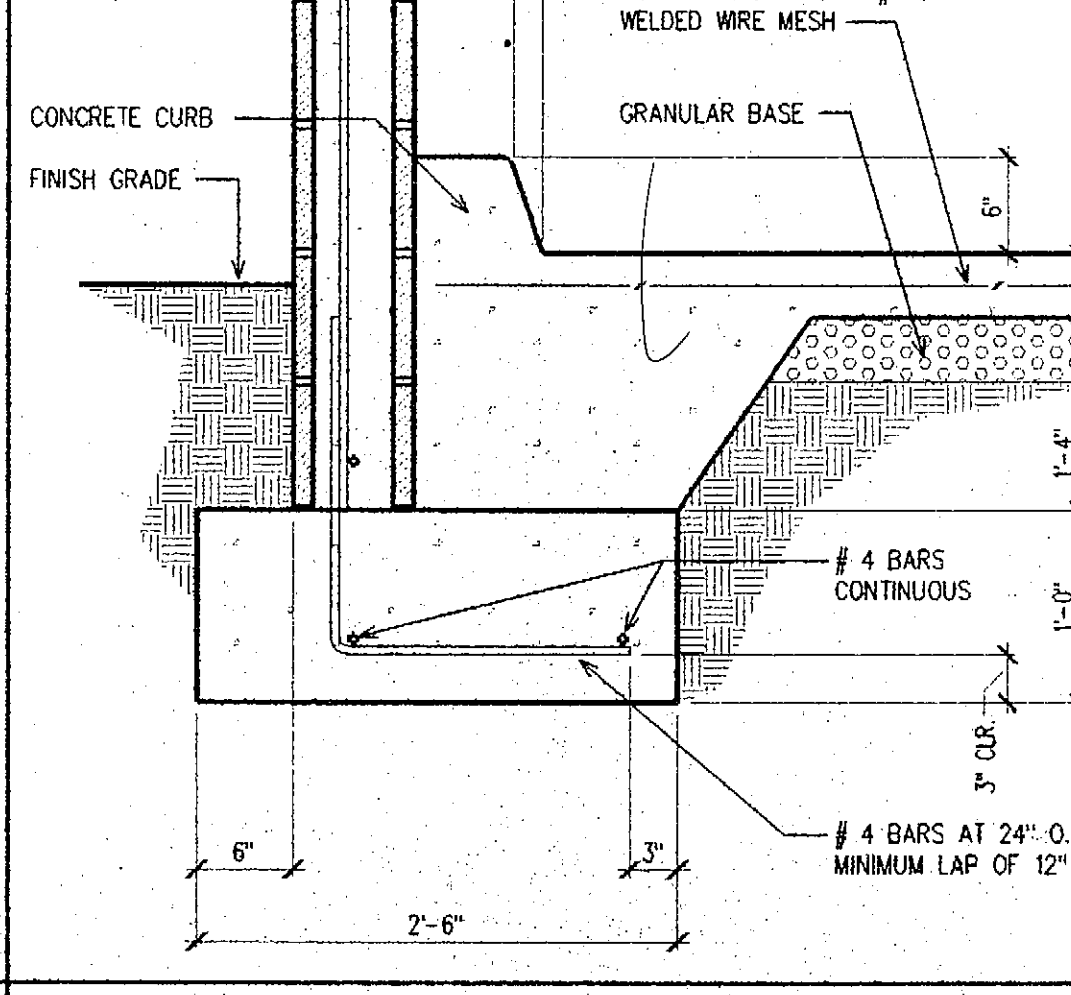
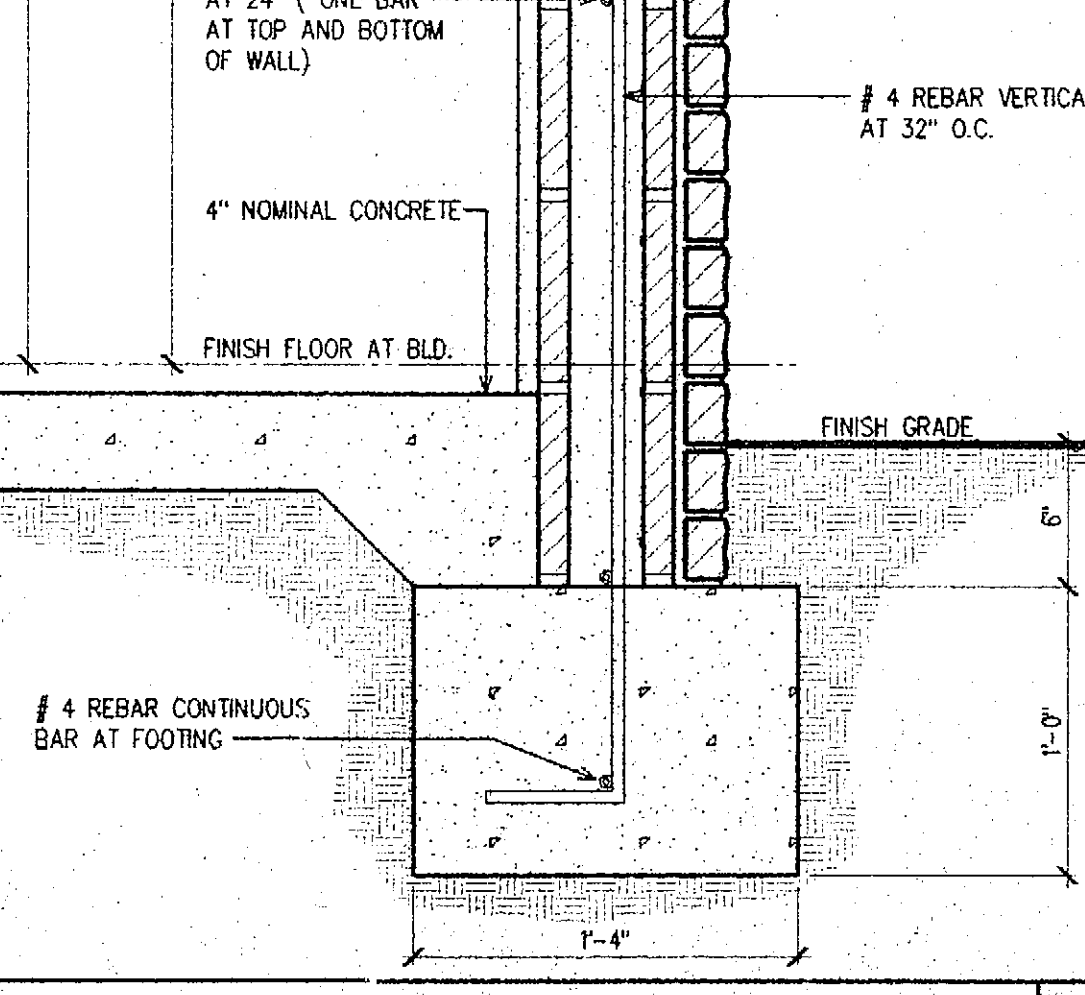
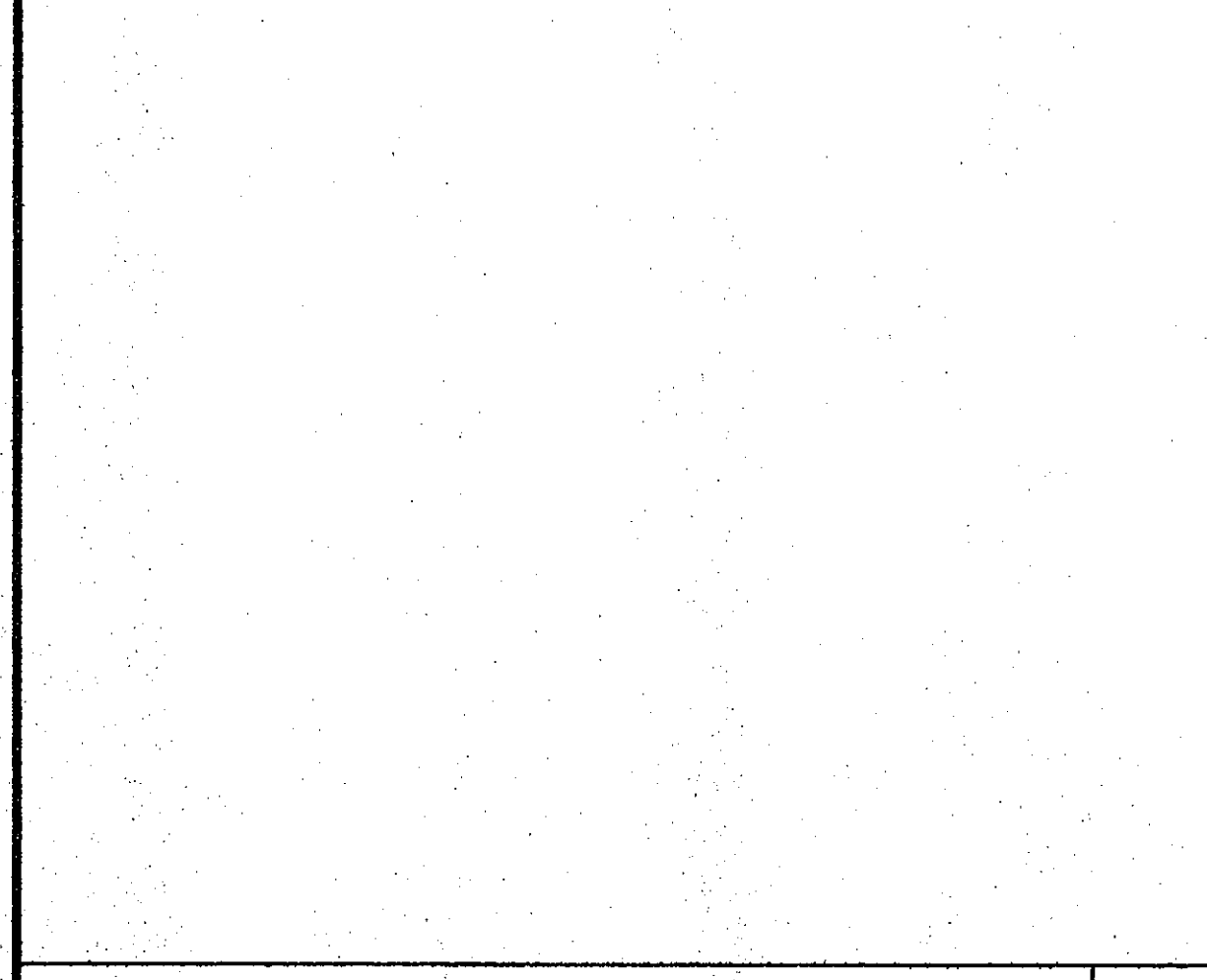
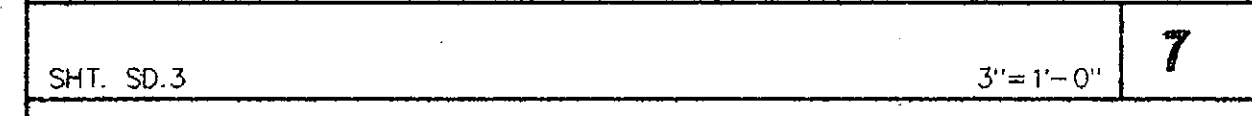
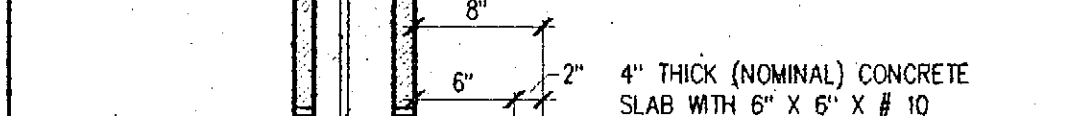
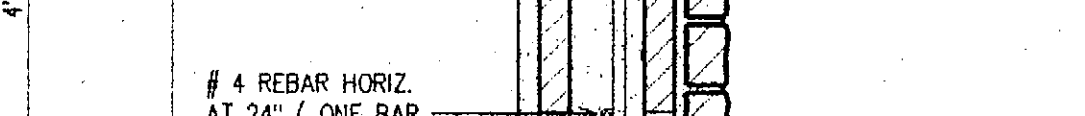
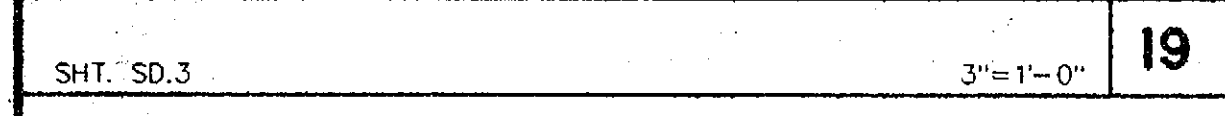
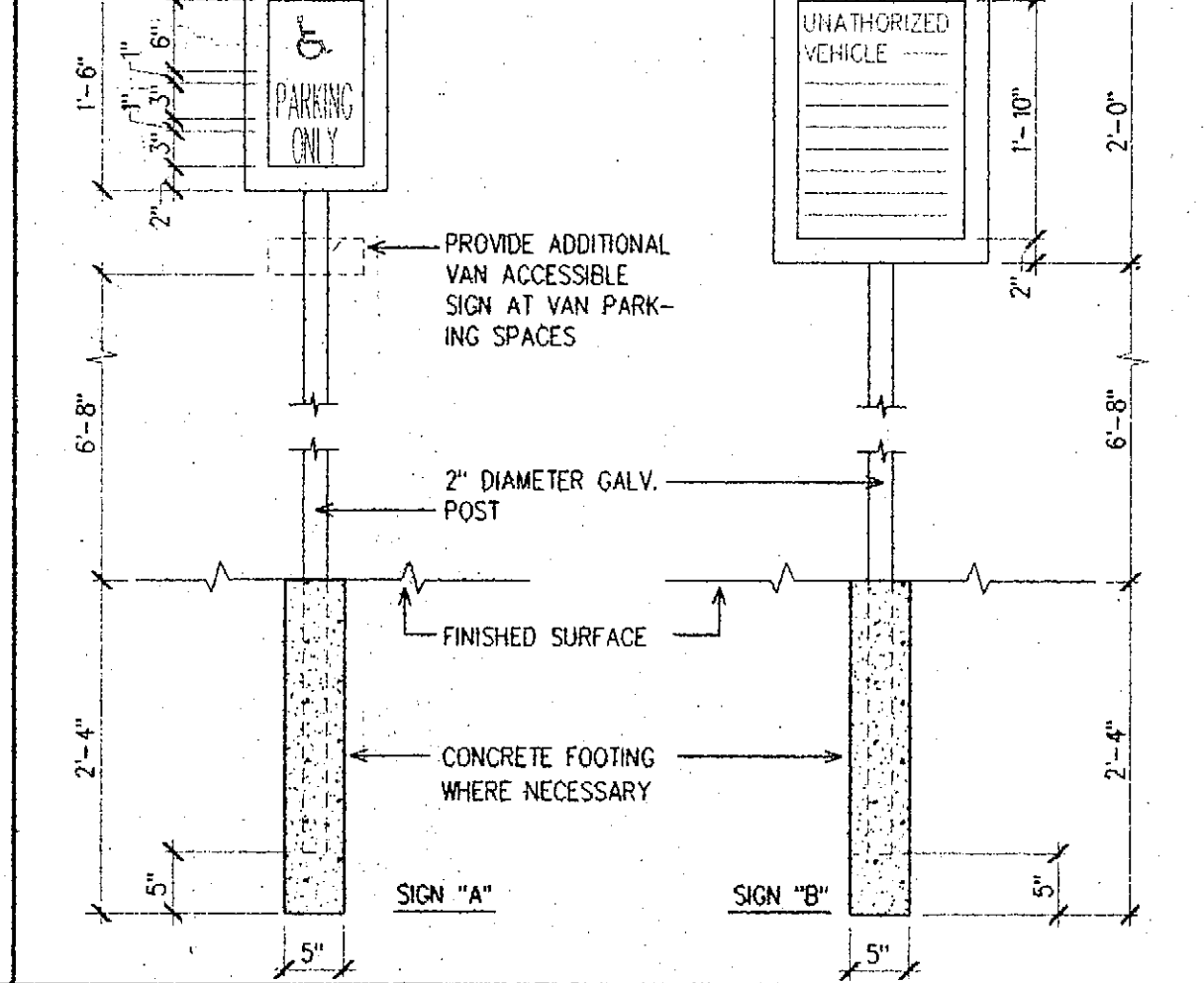
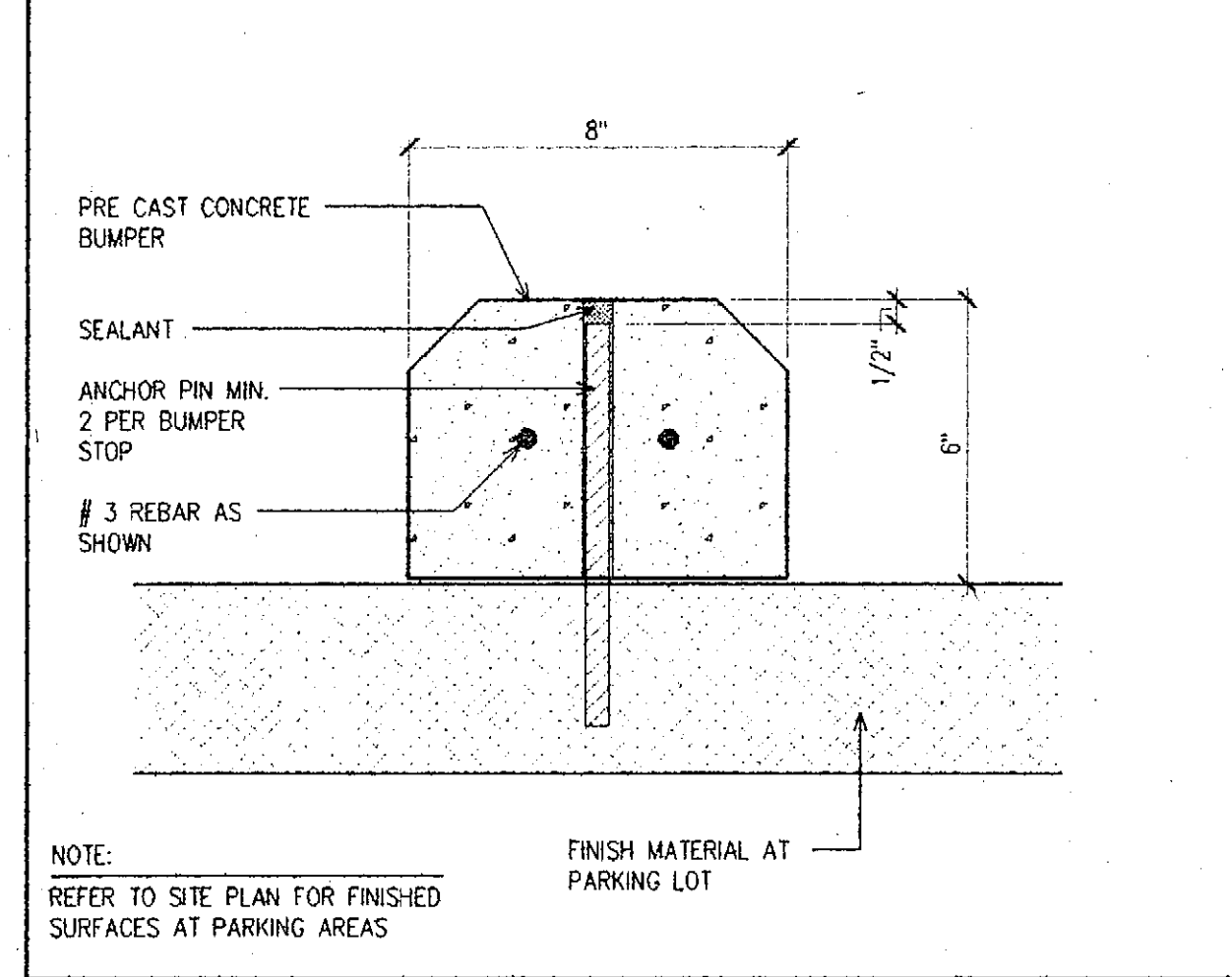
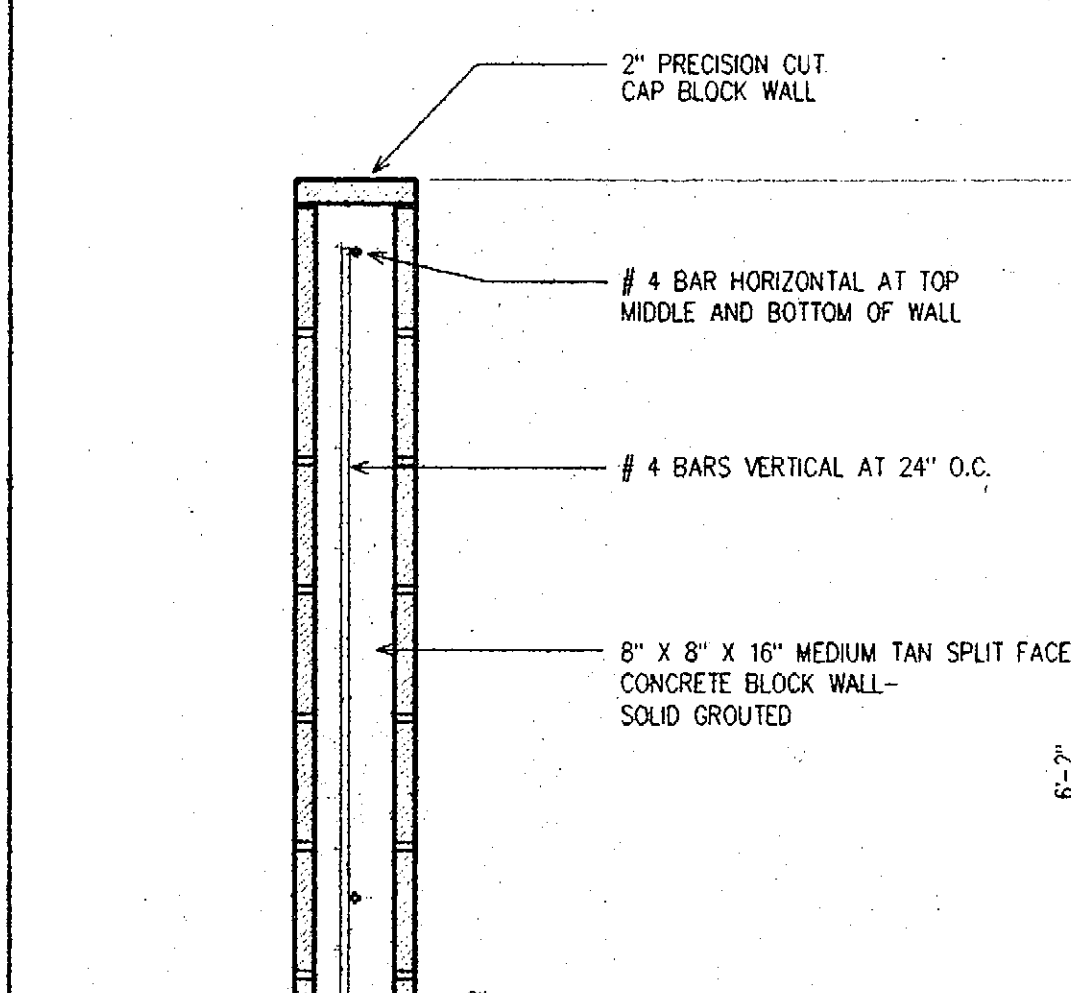
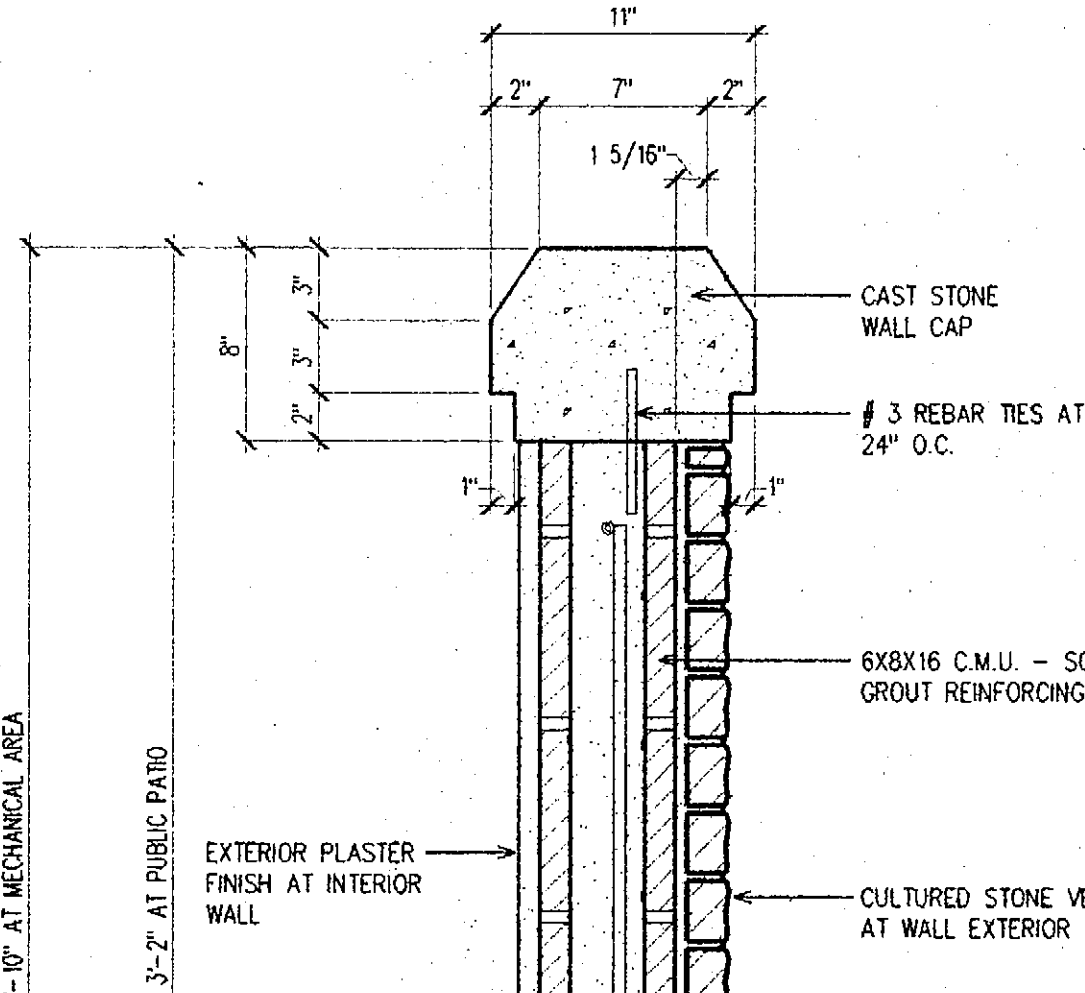
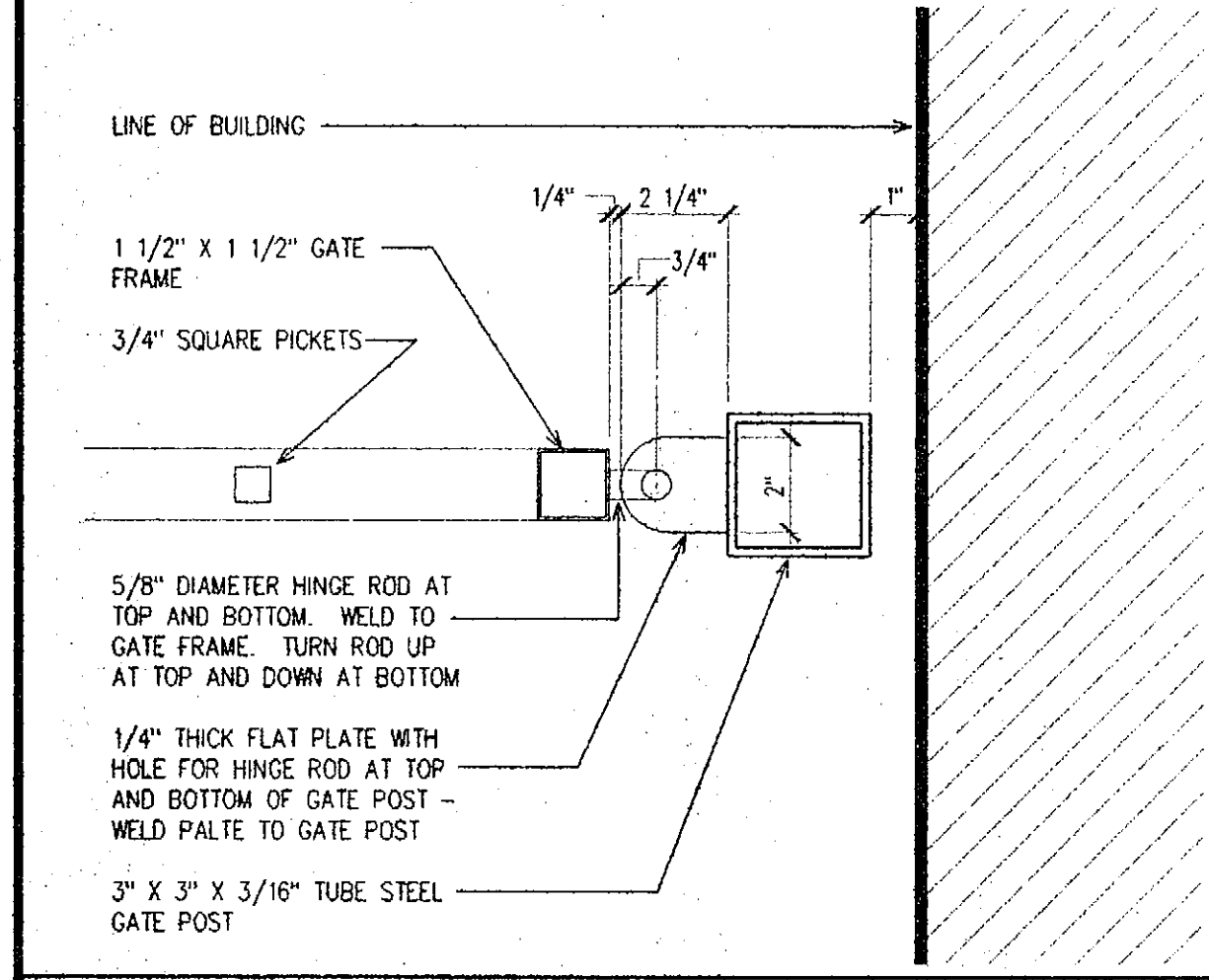
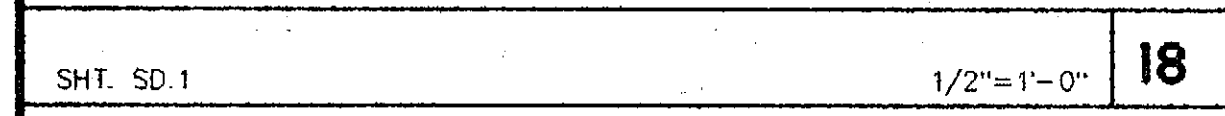
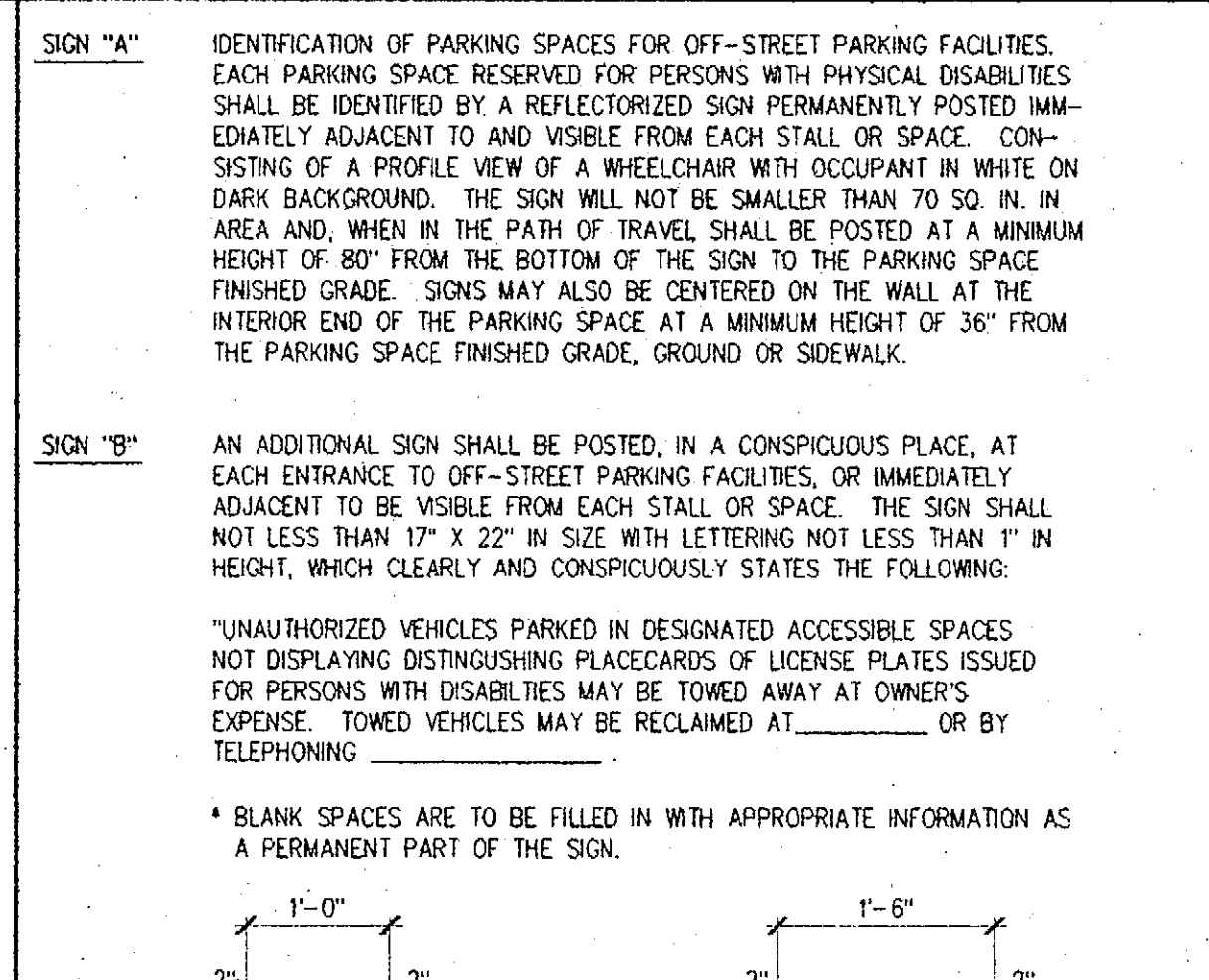
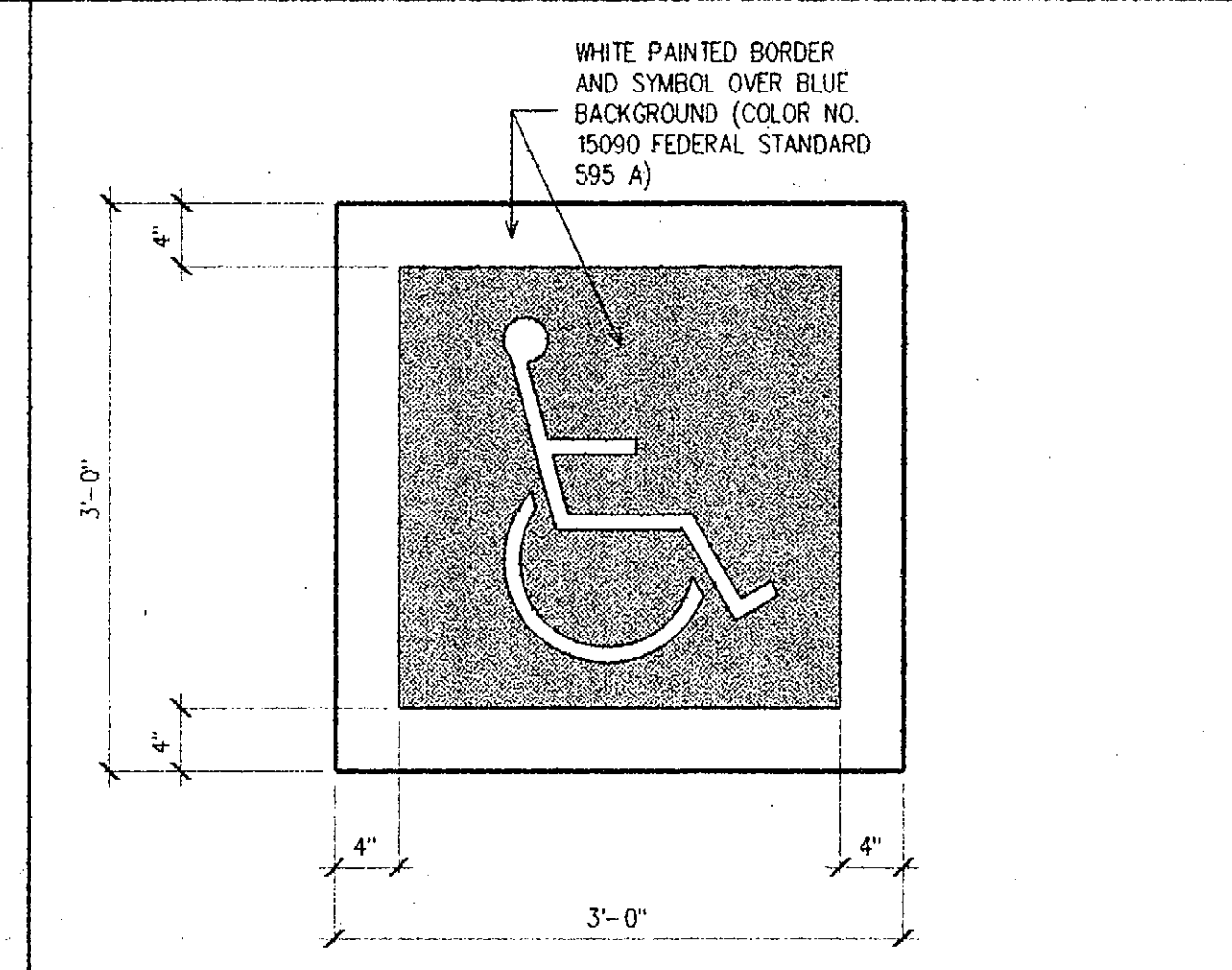
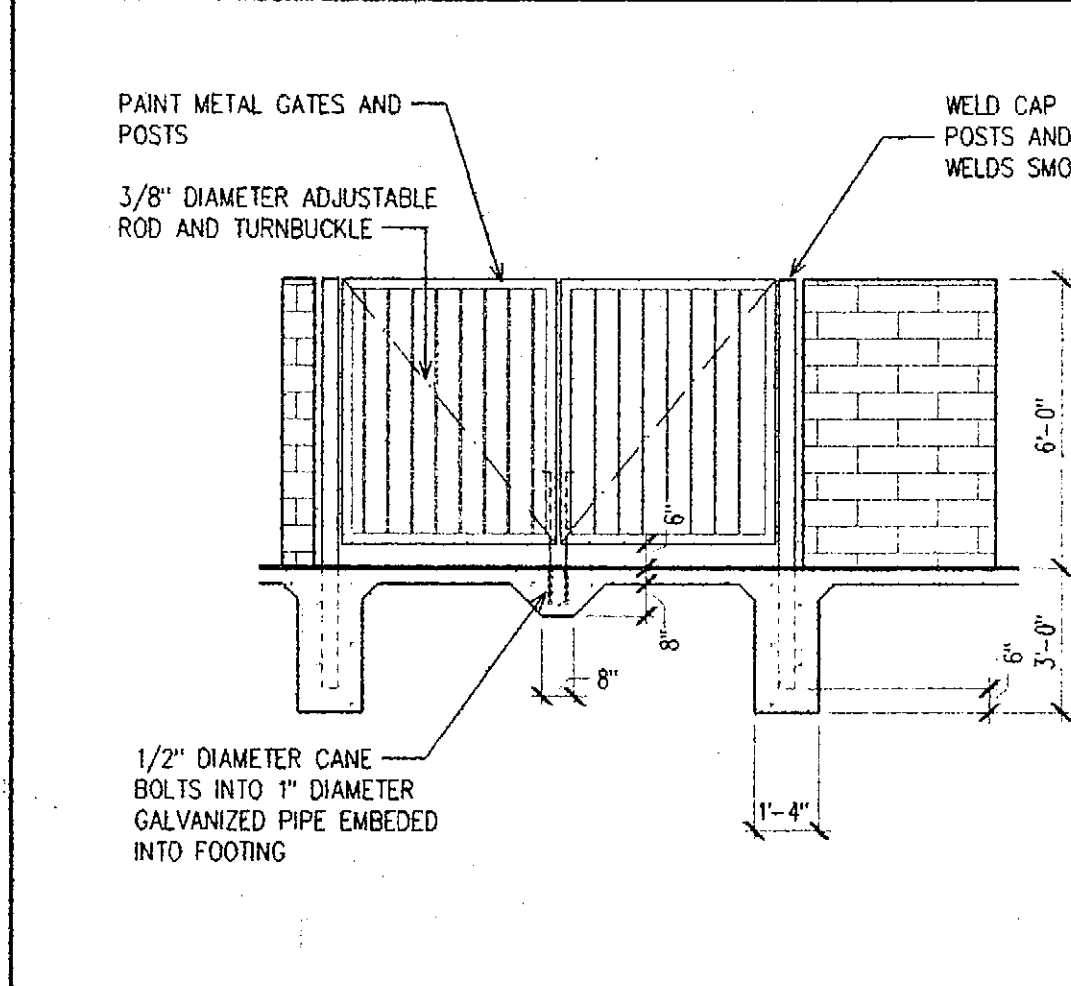
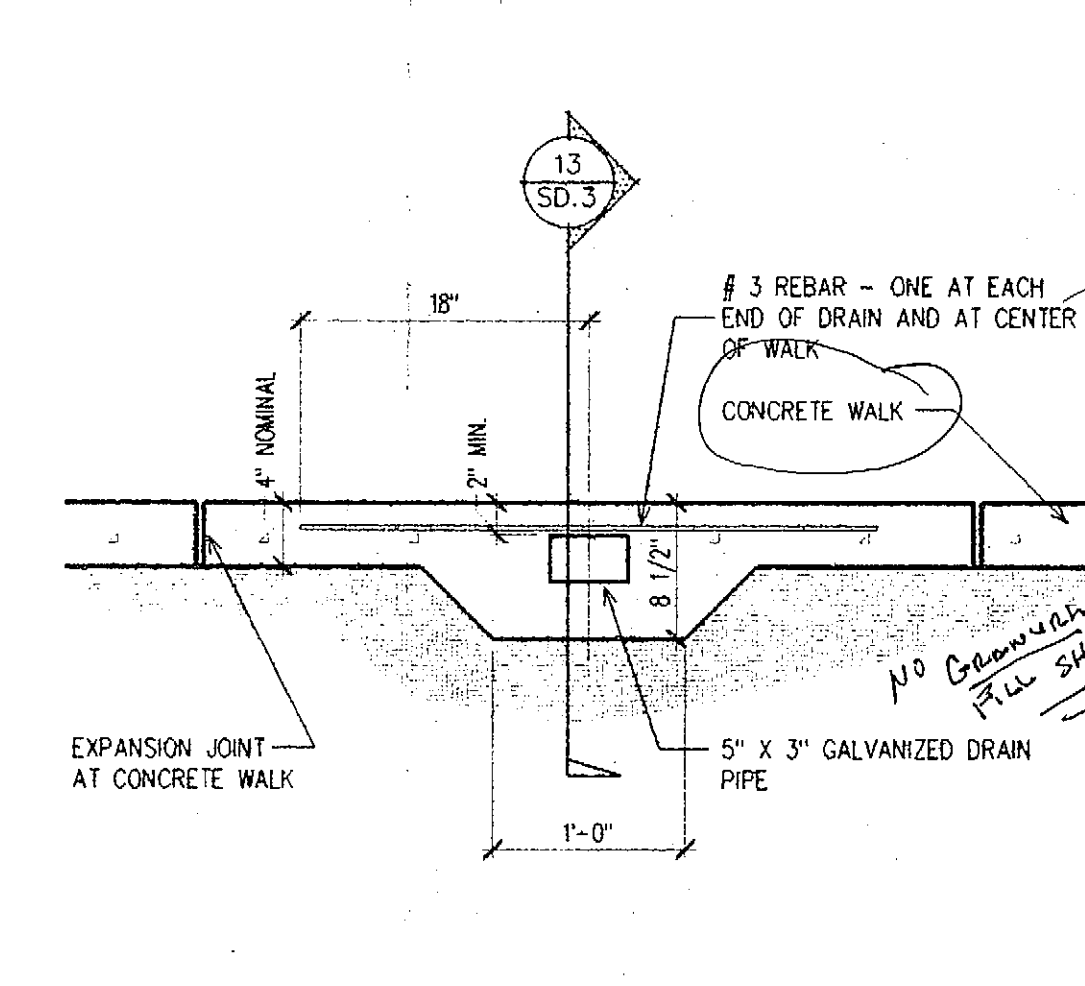
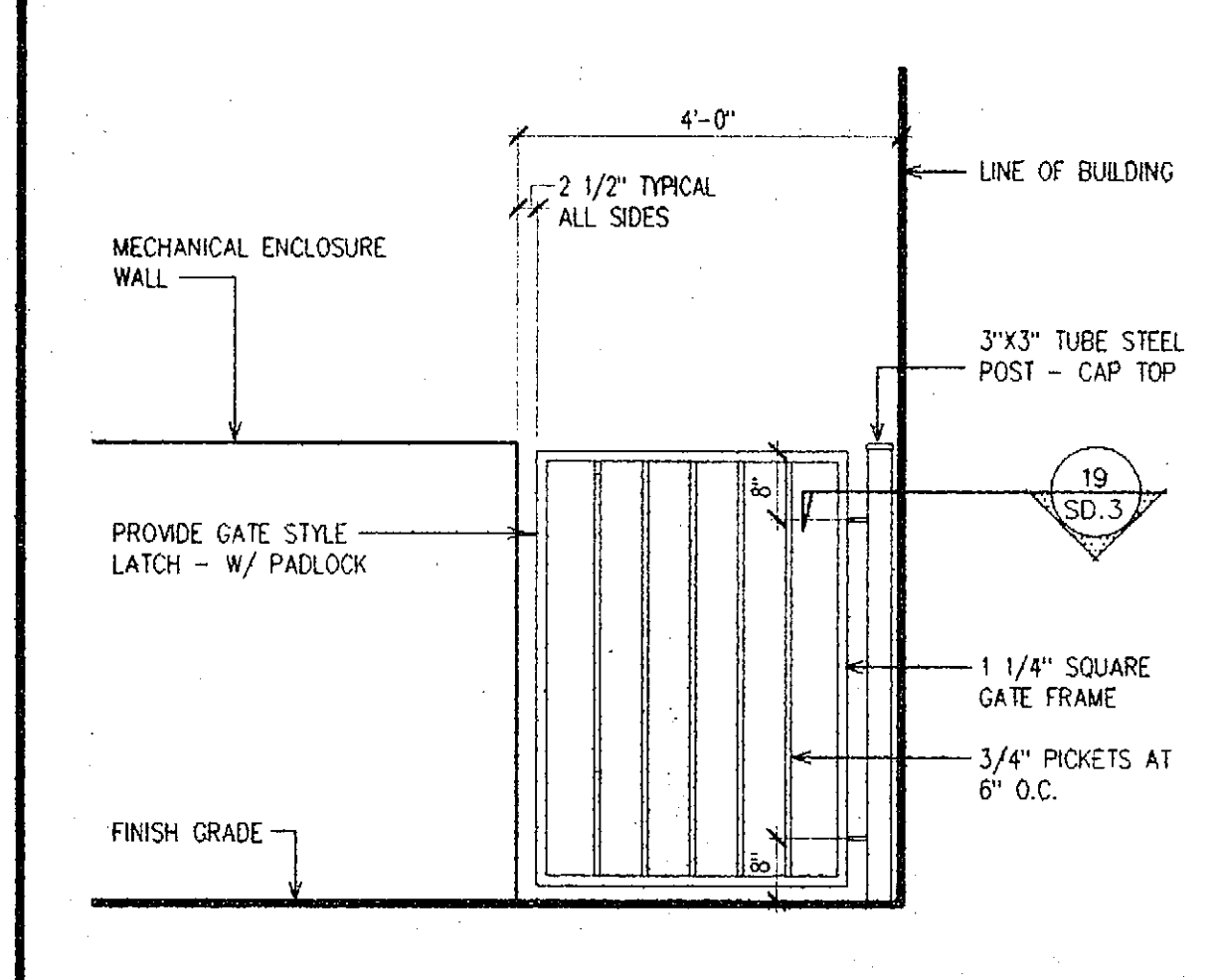
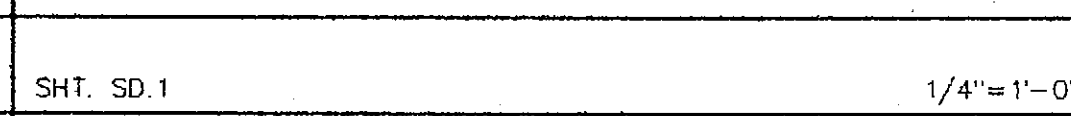
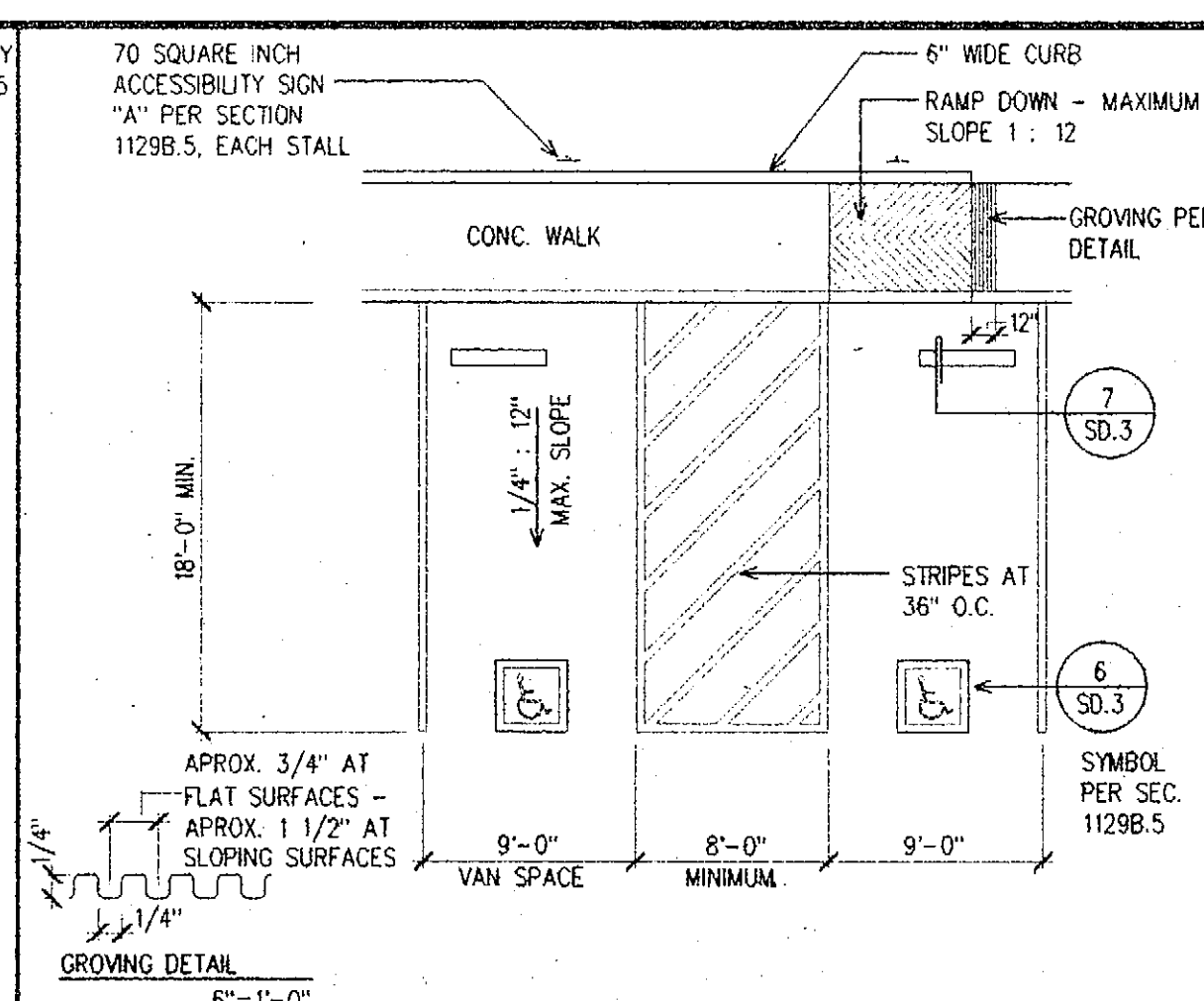
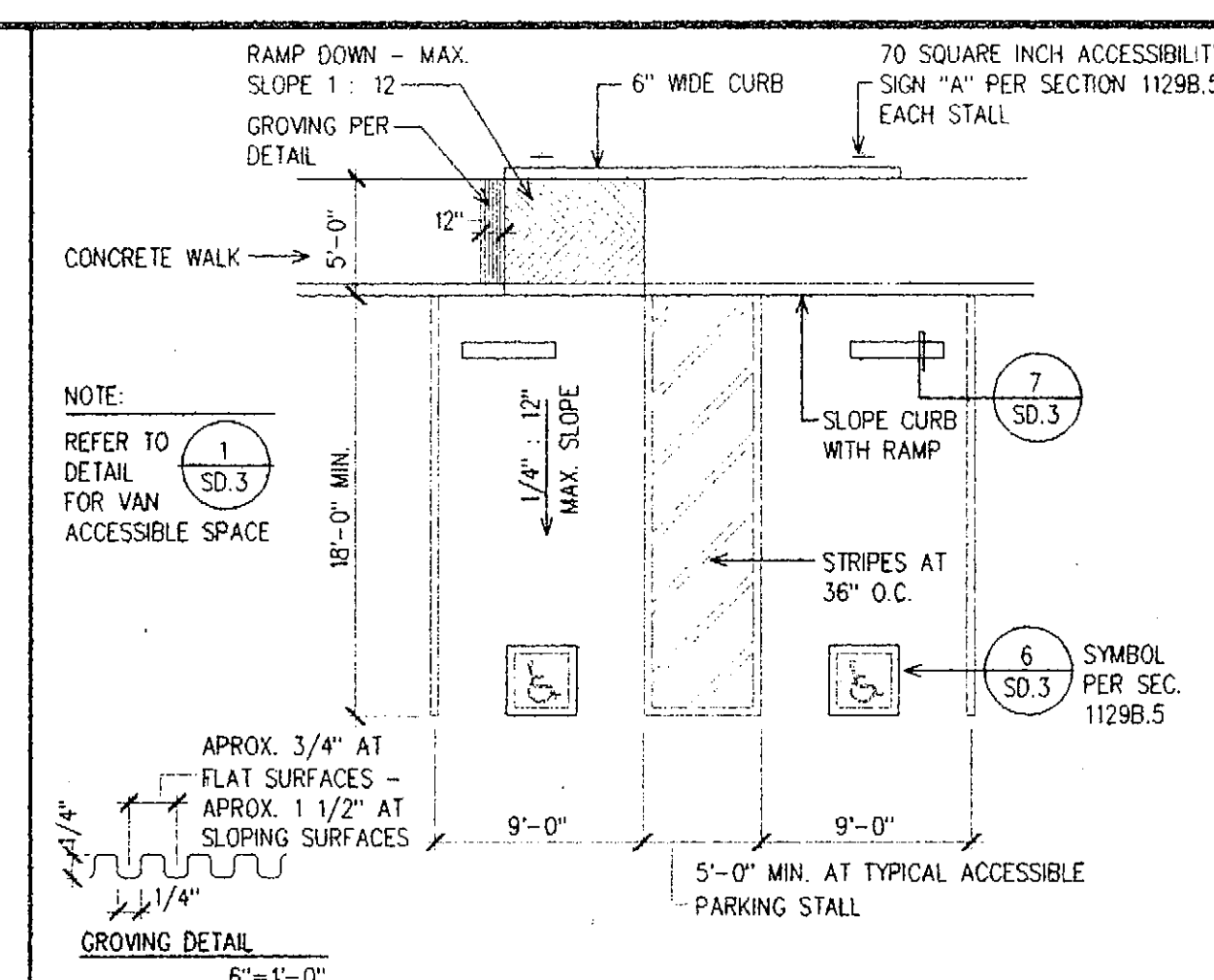
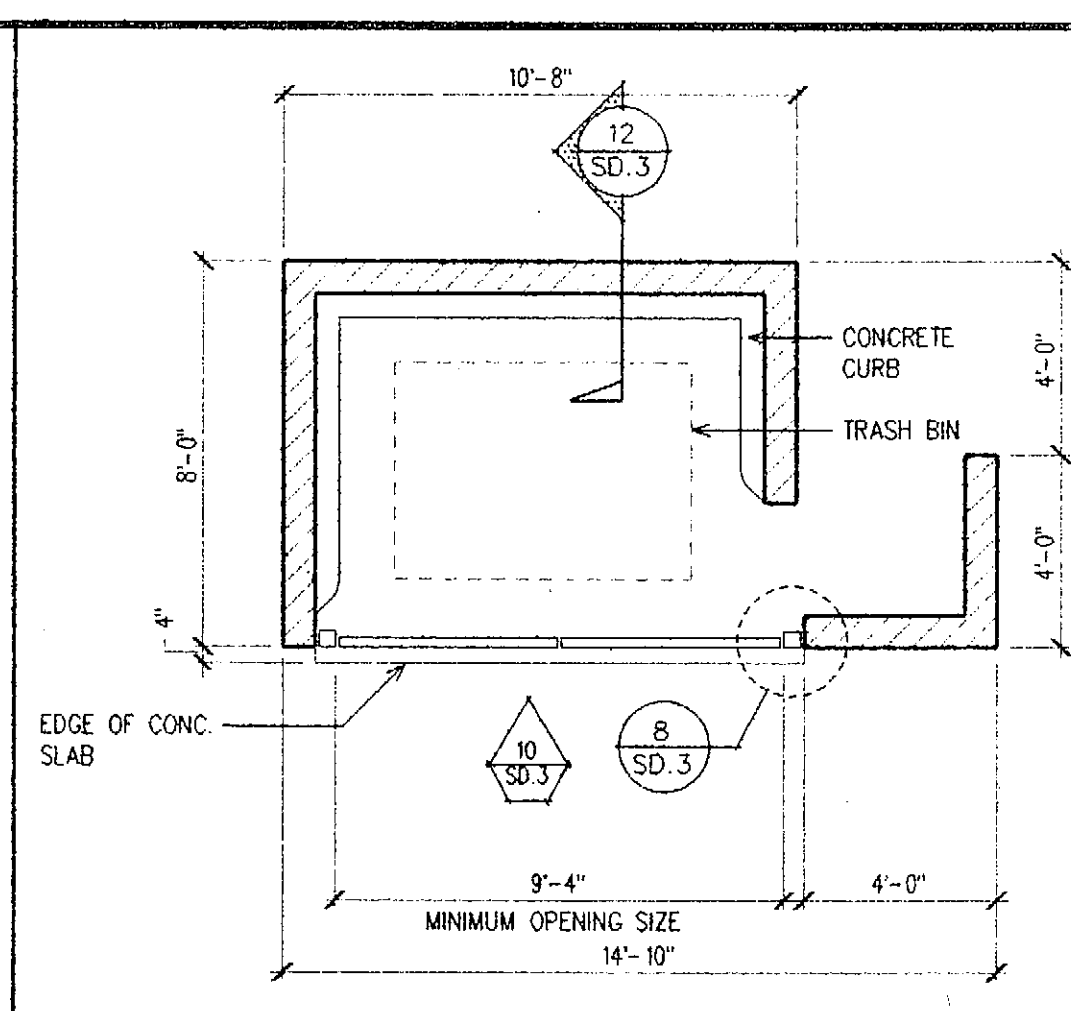
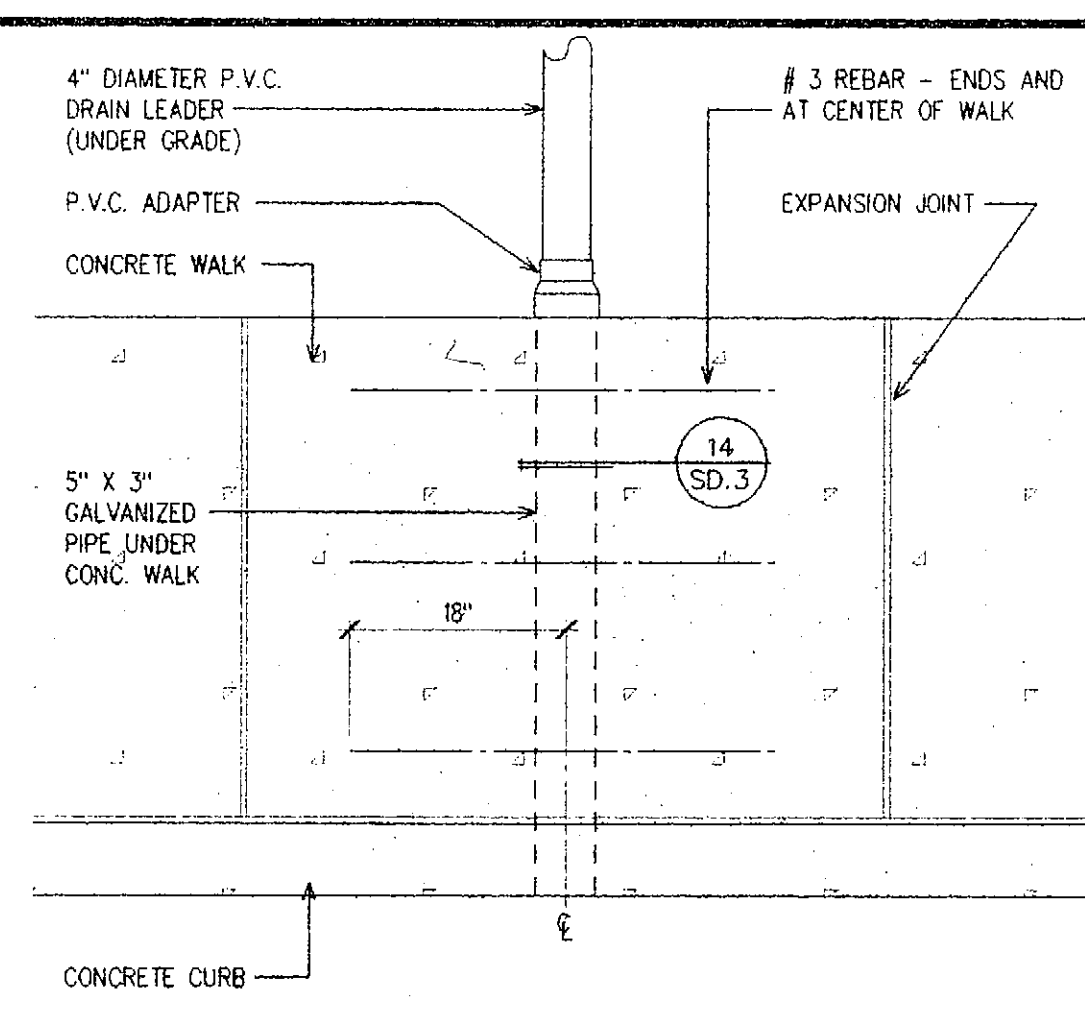
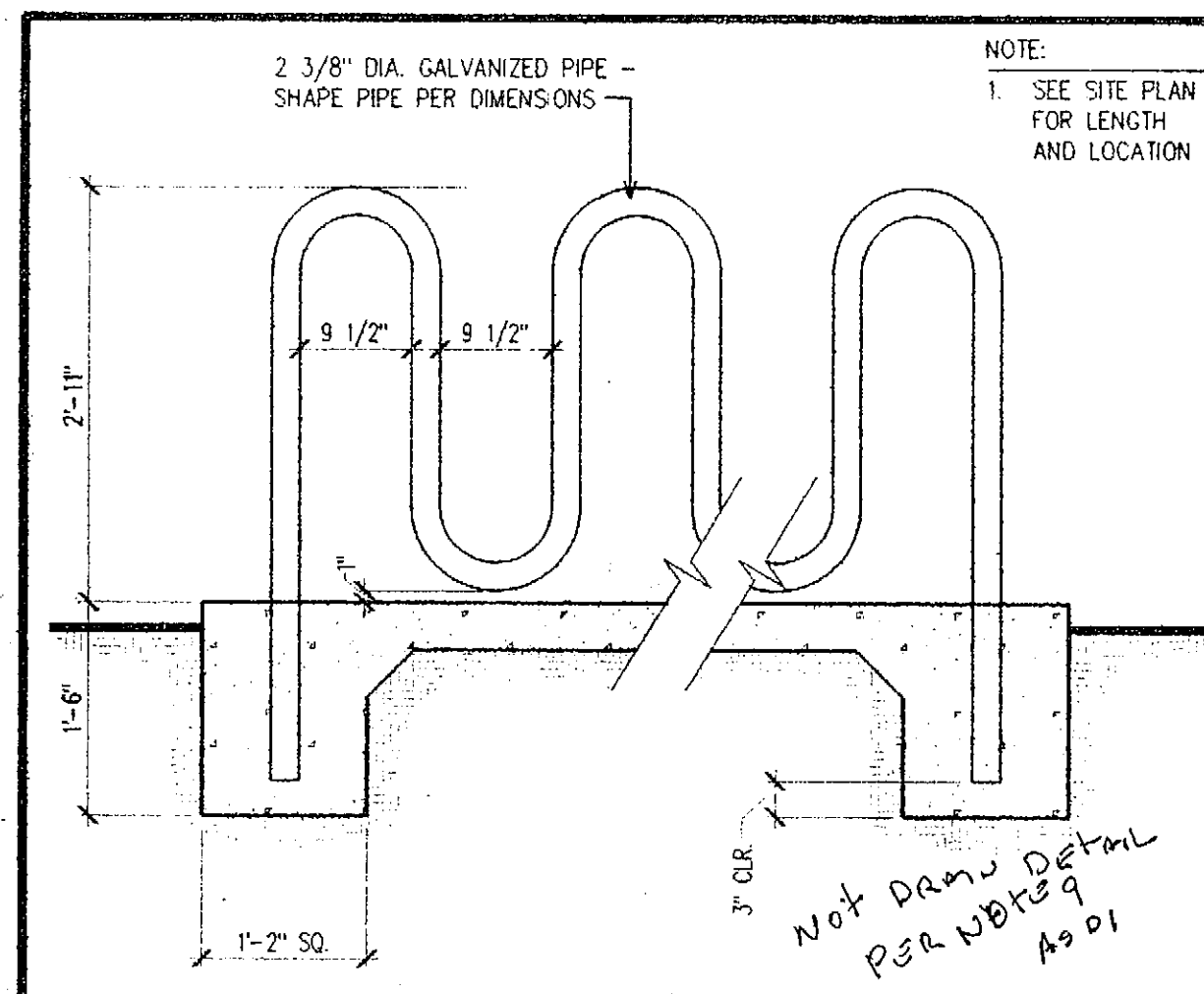
In Room
Change of
Dimensions
By 4 FT closer
To Building

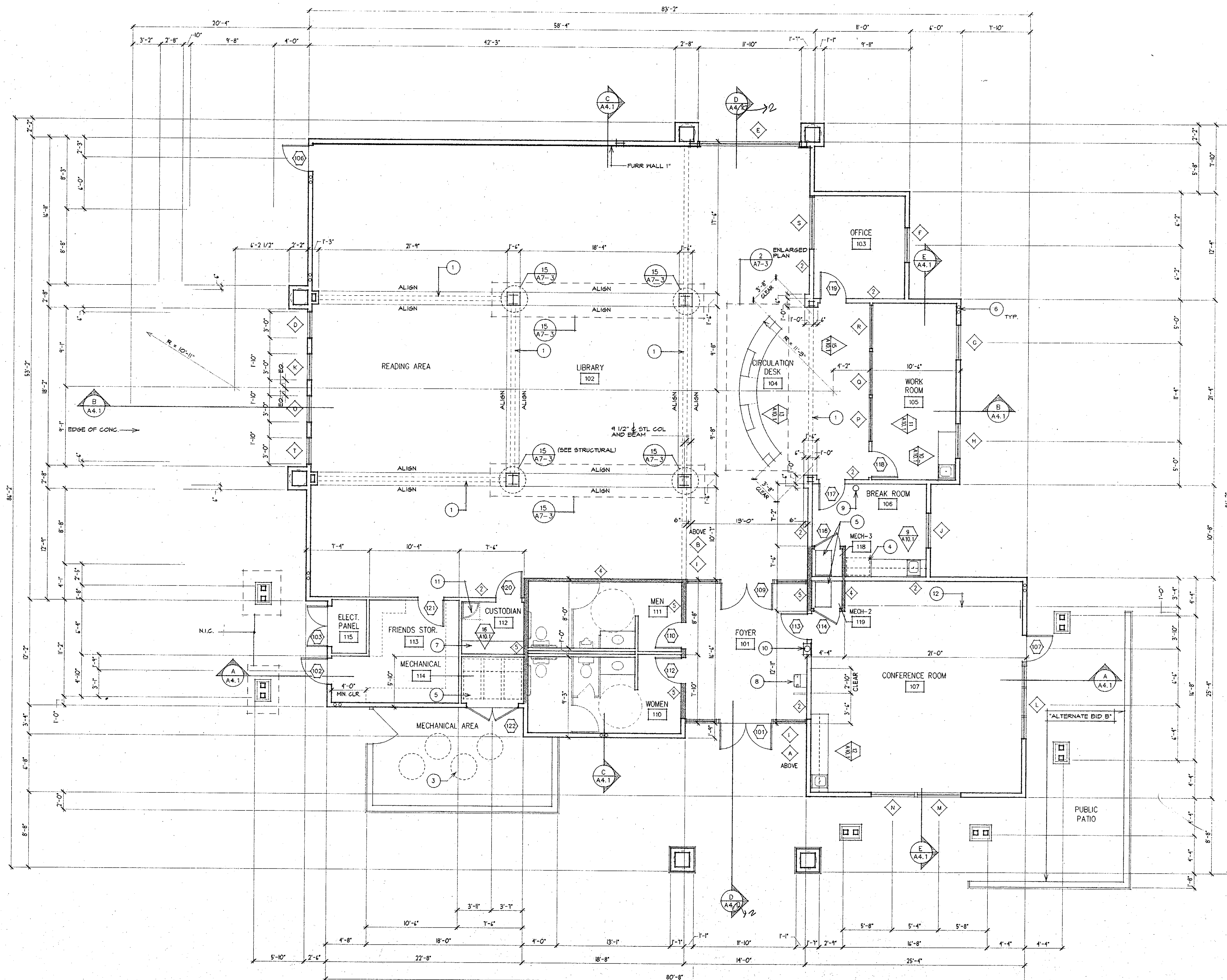
CONSTRUCTION SET

SITE PLAN



REVISIONS	
GARY W. MILLER ARCHITECT & ASSOCIATES PHONE: (805) 889-4400 FAX: (805) 384-0034 350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401	
MISSION TRAIL COMMUNITY LIBRARY WILDOMAR, CALIFORNIA	
SHEET TITLE	SITE PLAN
SCALE: 1" = 20'-0"	
DRAWN BY: TIM C.	
CHECKED BY: GARY M.	
JOB NUMBER: 99870	
DATE: JUNE 9, 2000	
SHEET	
ASD.1	





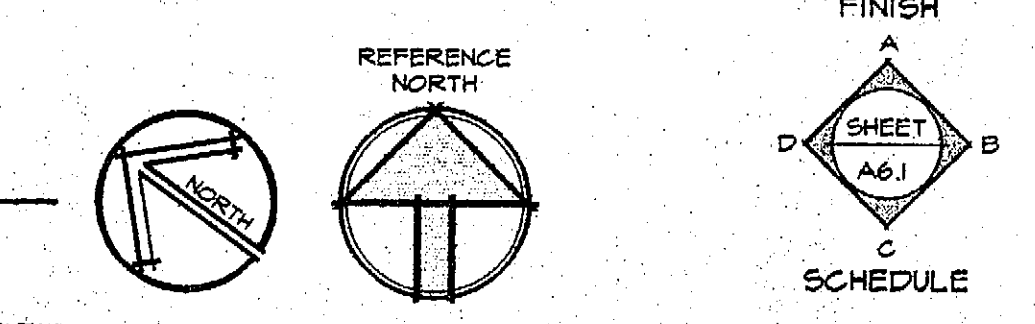
- KEY NOTES:**
1. LINE OF HIGH ROOF ABOVE
 2. NOT USED
 3. CONDENSOR UNITS
 4. REFRIGERATOR BY OWNER
 5. FORCED AIR UNIT
 6. 4" DIAMETER ROOF DRAIN AND OVER-FLOW PER DETAIL 6/A.1
 7. 18" DEEP (3/4" THICK MELAMINE) ADJ. SHELVES
 8. NON ALCOVE TYPE DRINKING FOUNTAIN REFER TO SHEET 613 FOR INFORMATION
 9. SURFACE MOUNTED FIRE EXTINGUISHER
 10. RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
 11. 3/4" PLYWOOD PLATFORM WITH 2X4 CLEATS 2-KNEE BRACES TO SUPPORT WATER ABOVE SINK. PAINT ALL SURFACES.
 12. CENTER LINE OF FUTURE FOLDING PARTITION

"ALTERNATE BID B"
 ALTERNATE BID CONSIST OF LOU WALL AND CONC. SLAB AT PUBLIC PATIO AS SHOWN. PROVIDE A 36" WIDE X 24" DEEP STOOP AT EXIT DOOR AT CONFERENCE ROOM EXIT IF "ALTERNATE BID C" IS NOT ACCEPTED.

- WALL LEGEND:**
1. 2X6 AT 16" O.C. WITH R-19 INSULATION AND 5/8" GYPSUM BOARD - TYPICAL EXTERIOR WALLS
 2. 2X6 AT 16" O.C. WITH 5/8" GYPSUM BOARD
 3. 2X4 AT 16" O.C. WITH 5/8" GYPSUM BOARD - TYPICAL INTERIOR WALLS UNLESS NOTED
 4. 2X4 AT 16" O.C. WITH R-13 INSULATION AND 5/8" GYPSUM BOARD
 5. 2X6 AT 16" O.C. WITH R-13 INSULATION AND 5/8" GYPSUM BOARD

FLOOR AREA:
 5161 BUILDING SQUARE FOOTAGE
 650 COVERED PORCHES

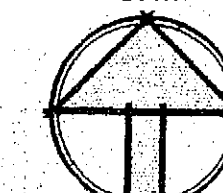
FLOOR PLAN

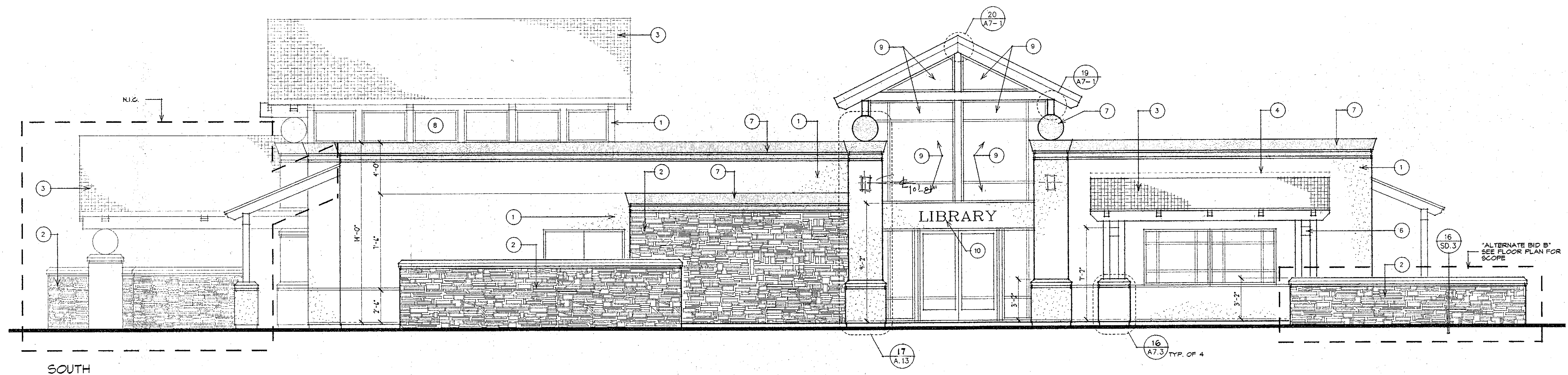


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GARY W. MILLER ARCHITECT & ASSOCIATES 350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401 PHONE: (909) 388-4480 FAX: (909) 381-3034											
MISSION TRAIL COMMUNITY LIBRARY WILDOMAR, CALIFORNIA											
SHEET TITLE FLOOR PLAN	SCALE: 3/16" = 1'-0" DRAWN BY: TIM C. CHECKED BY: GARY M. JOB NUMBER: 99870 DATE: JUNE 9, 2000 SHEET										
A1.1											

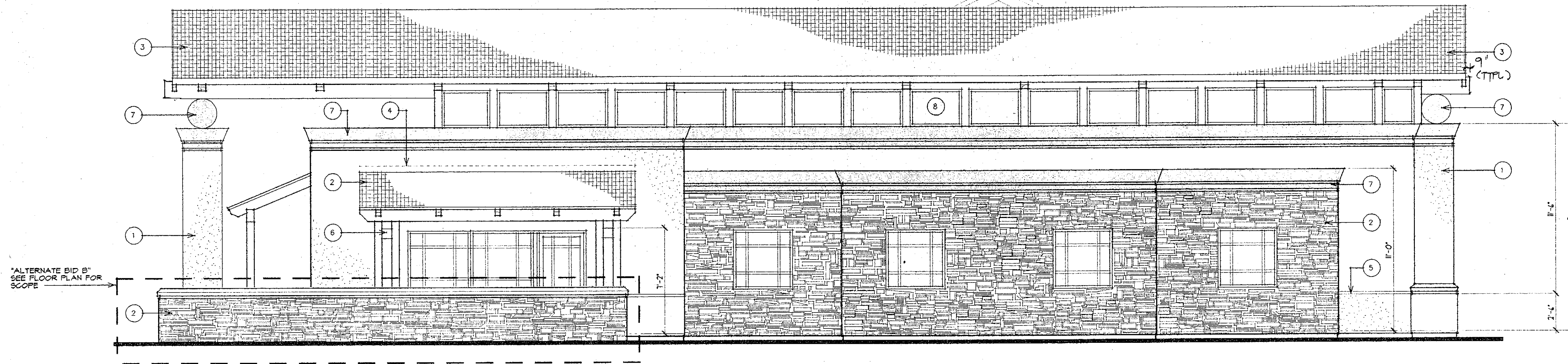


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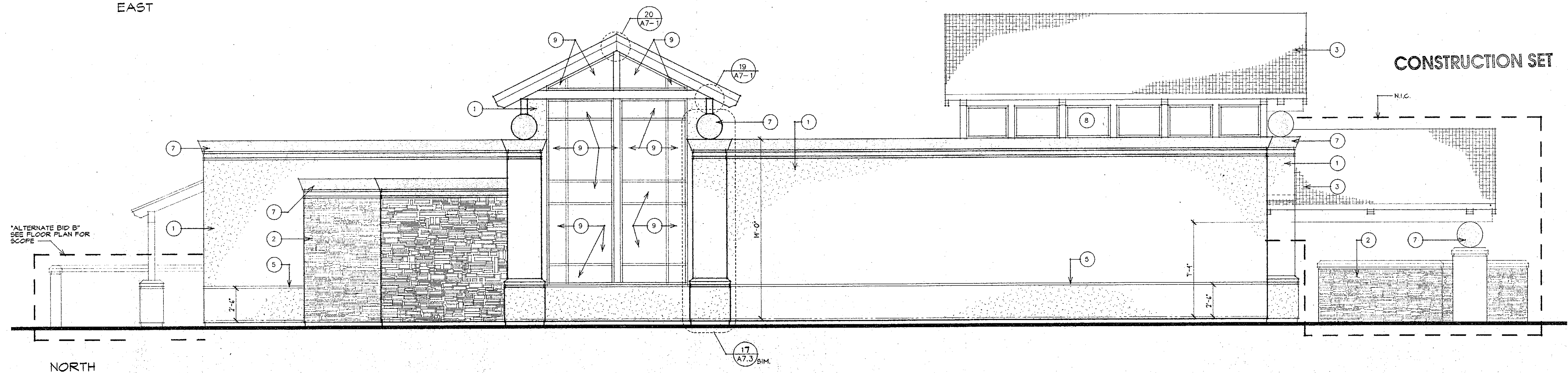


SOUTH



EAST

- KEY NOTES: ○
1. EXTERIOR PLASTER FINISH
 2. CULTURED STONE VENEER
 3. ASPHALT SHINGLE ROOF
 4. PROVIDE GALVANIZED FLASHING
 5. 2" WIDE SCREED PER DETAIL 18/A7.1 PAINTED
 6. 4X8 HORIZONTAL TRIM (WOOD) WITH ACCENT PAINT COLOR. NO EXPOSED END GRAIN
 7. EXTERIOR INSULATED FINISH SYSTEM
 8. CLEARSTORY WINDOWS
 9. GLAZING
 10. SIGNAGE BY OWNER

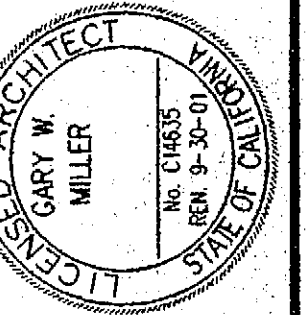


NORTH

CONSTRUCTION SET

EXTERIOR ELEVATIONS

REVISIONS



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WILDOMAR, CALIFORNIA

SHEET TITLE
EXTERIOR ELEVATIONS

SCALE:

1/4" = 1'-0"

DRAWN BY:

TIM C.

CHECKED BY:

GARY M.

JOB NUMBER:

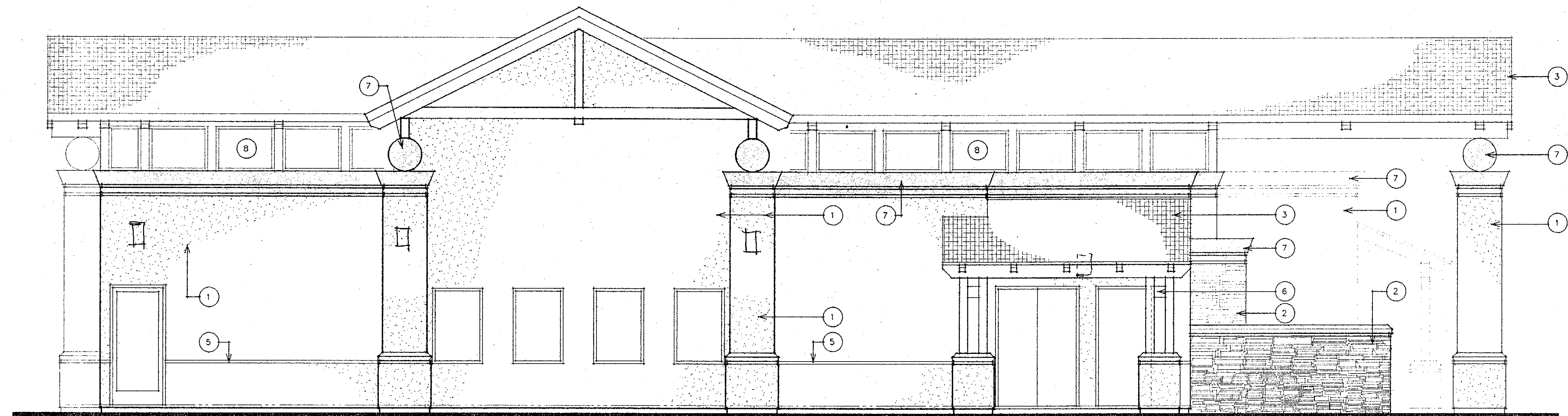
99870

DATE:

JUNE 9, 2000

SHEET

A2.1



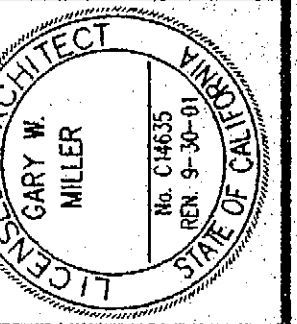
WEST

EXTERIOR ELEVATIONS

KEY NOTES: ○

1. EXTERIOR PLASTER FINISH
2. STONE VENEER (CULTURED)
3. ASPHALT SHINGLE ROOF
4. PROVIDE GALVANIZED FLASHING
5. 2" WIDE SCREED PER DETAIL 18/AT.1
6. 6X8 HORIZONTAL TRIM (WOOD)
7. EXTERIOR INSULATED FINISH SYSTEM
8. CLEARSTORY WINDOWS

REVISIONS



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SHEET TITLE
EXTERIOR ELEVATIONS

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

DRAWN BY:
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CHECKED BY:
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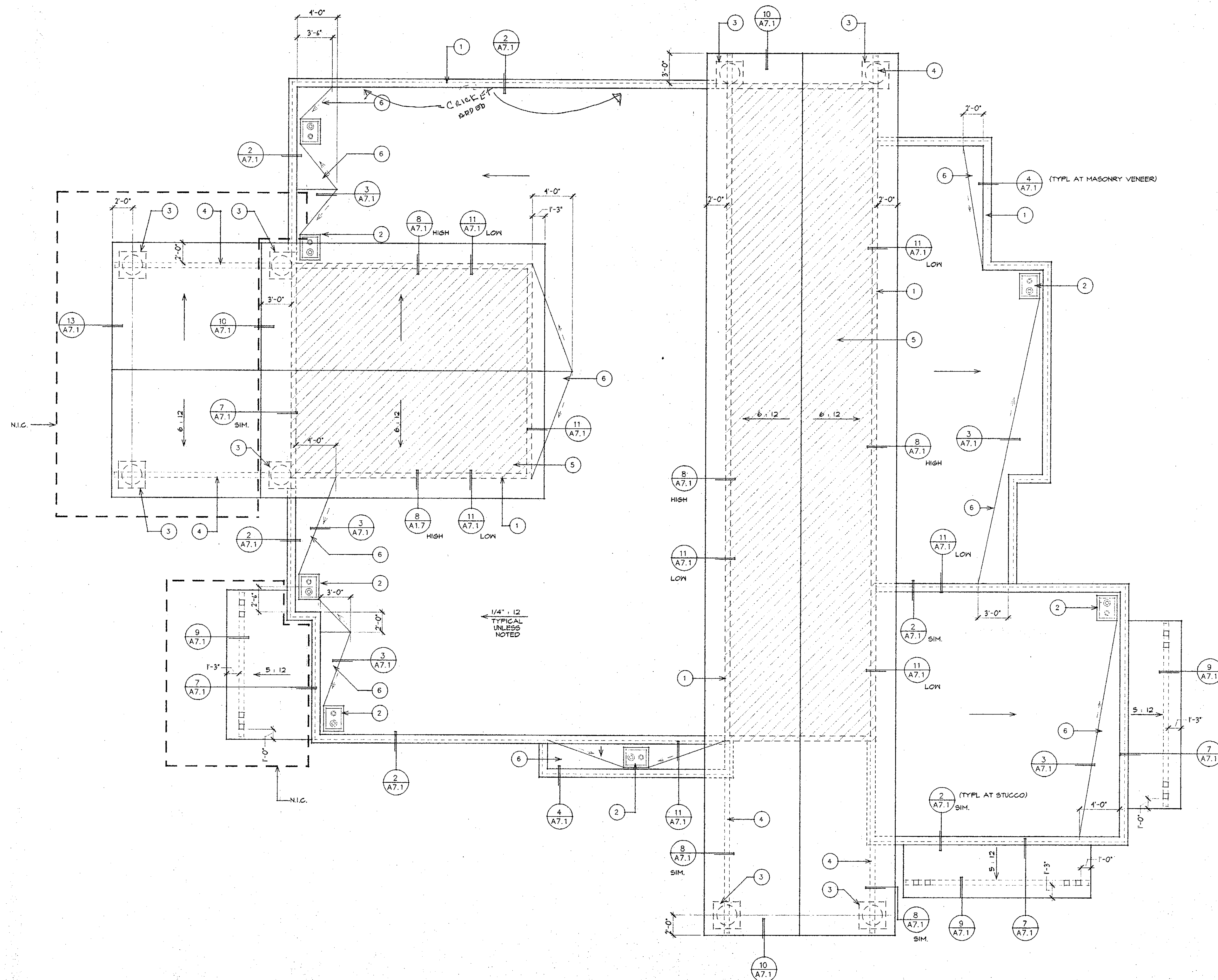
JOB NUMBER:
99870

DATE:
JUNE 9, 2000

SHEET

A2.2

CONSTRUCTION SET



- NOTES:**
- BUILT UP ROOFING CLASS 'B' MINIMUM
 - ROOFING SHALL BE ASPHALT SHINGLE CLASS 'A' AT HIGH ROOF AREAS
 - REFER TO DETAIL 12/A7.1 FOR PIPE PENETRATIONS THROUGH ROOF
- KEY NOTES:**
- BUILDING LINE TYPICAL
 - ROOF DRAIN AND OVERFLOW PER DETAIL 5/A7.1
 - LINE OF COLUMN
 - LINE OF BEAM
 - HATCHED AREA TO RECEIVE INSULATION BETWEEN SHEATHING LAYERS - SEE ROOF DETAILS
 - RIDSID INSULATION CRICKETS MIN. SLOPE 1/2" PER FT.

ROOF PLAN

CONSTRUCTION SET

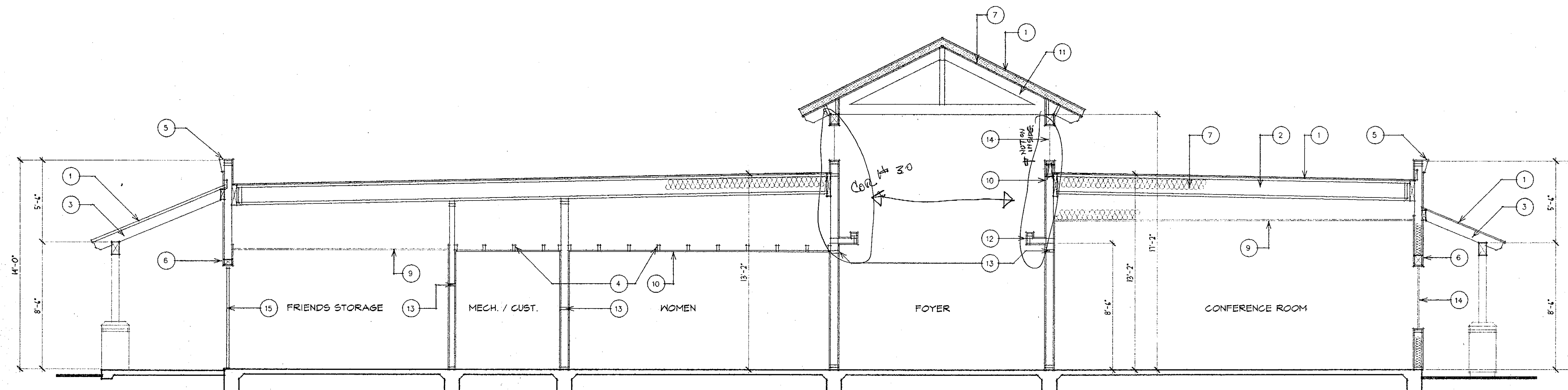
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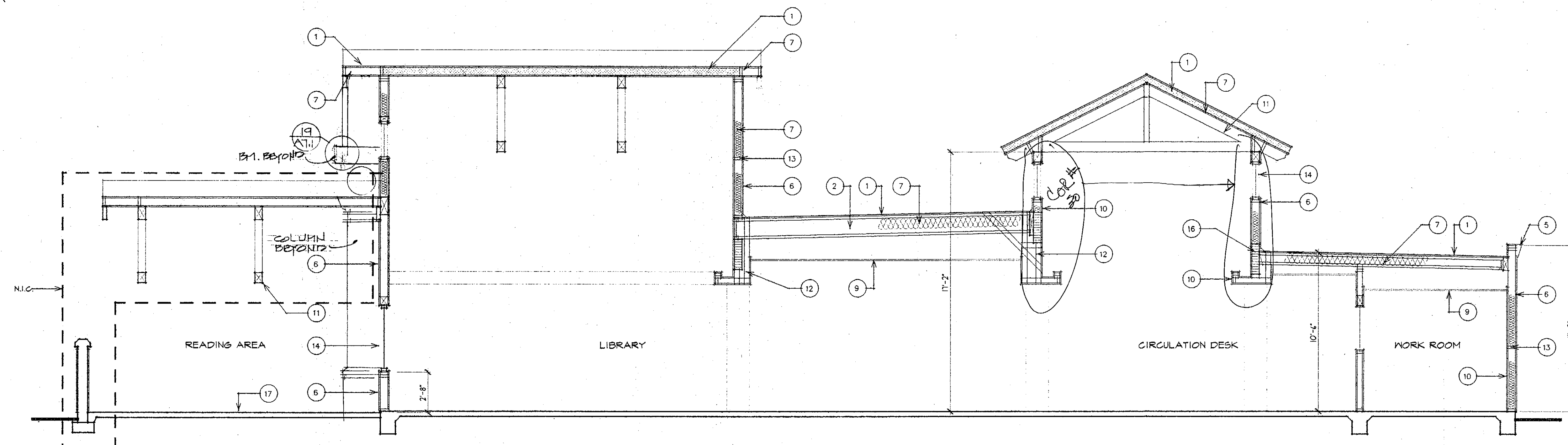
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ROOF PLAN

SCALE:
3/16" = 1'-0"
DRAWN BY:
TIM C.
CHECKED BY:
GARY M.
JOB NUMBER:
99870
DATE:
JUNE 9, 2000
SHEET

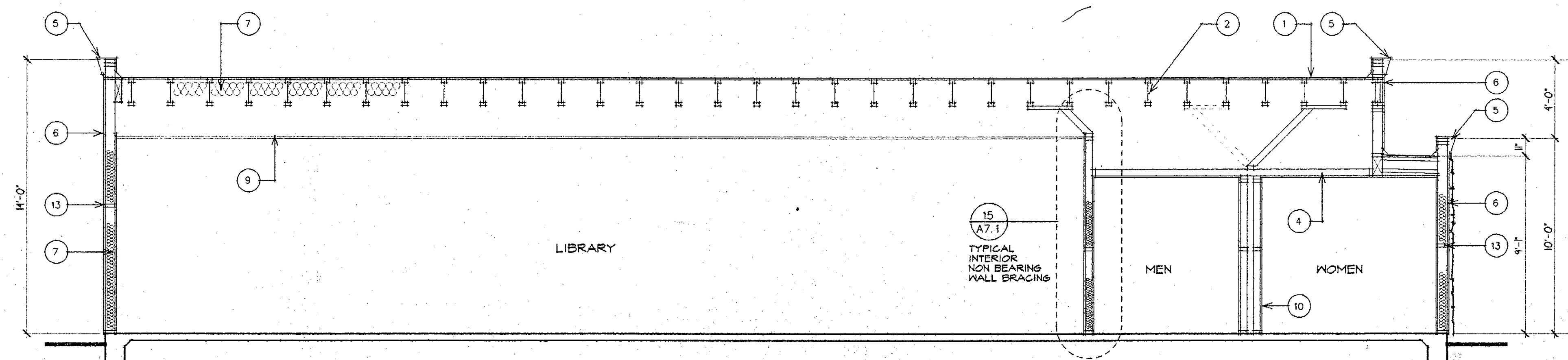
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SECTION A-A



SECTION B-B



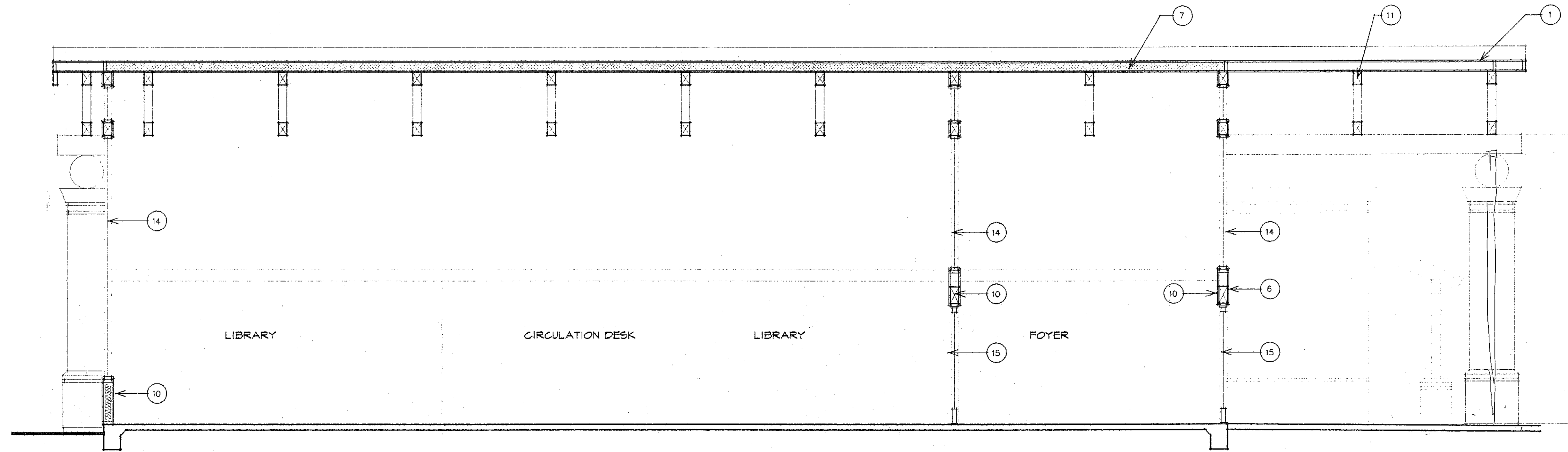
SECTION C-C

CONSTRUCTION SET

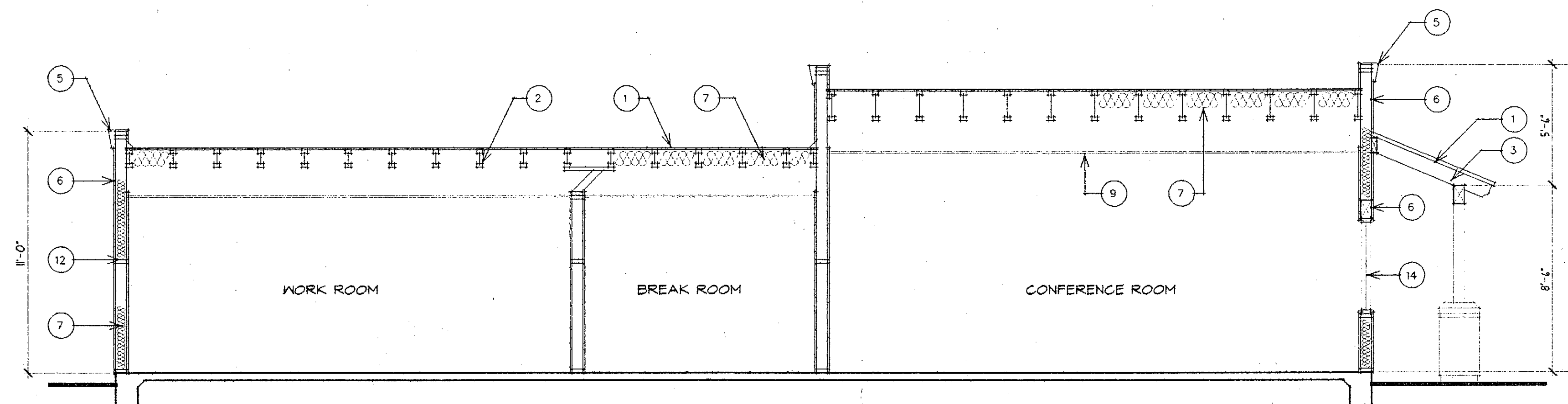
- KEY NOTES: ○
1. ROOF SHEATHING
 2. ROOF FRAMING AT 24" O.C.
 3. 4X RAFTERS AT 48" O.C.
 4. 2X4 CEILING JOIST AT 16" O.C.
 5. PREFORMED CORNICE
 6. EXTERIOR FINISH
 7. INSULATION
 8. RIGID INSULATION
 9. SUSPENDED CEILING
 10. GYPSUM BOARD FINISH
 11. 6X ROOF TRUSSES
 12. 2X FRAMING
 13. 2X BLOCKING AT MID HEIGHT
 14. WINDOW
 15. DOOR
 16. SLUE LAMINATED BEAM
 17. 4" PATIO SLAB

CROSS SECTIONS

REVISIONS	
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SHEET TITLE	CROSS SECTIONS
SCALE: 1/4" = 1'-0"	
DRAWN BY: TIM C.	
CHECKED BY: GARY M.	
JOB NUMBER: 99870	
DATE: JUNE 9, 2000	
SHEET	
A4.1	



SECTION D-D



SECTION E-E

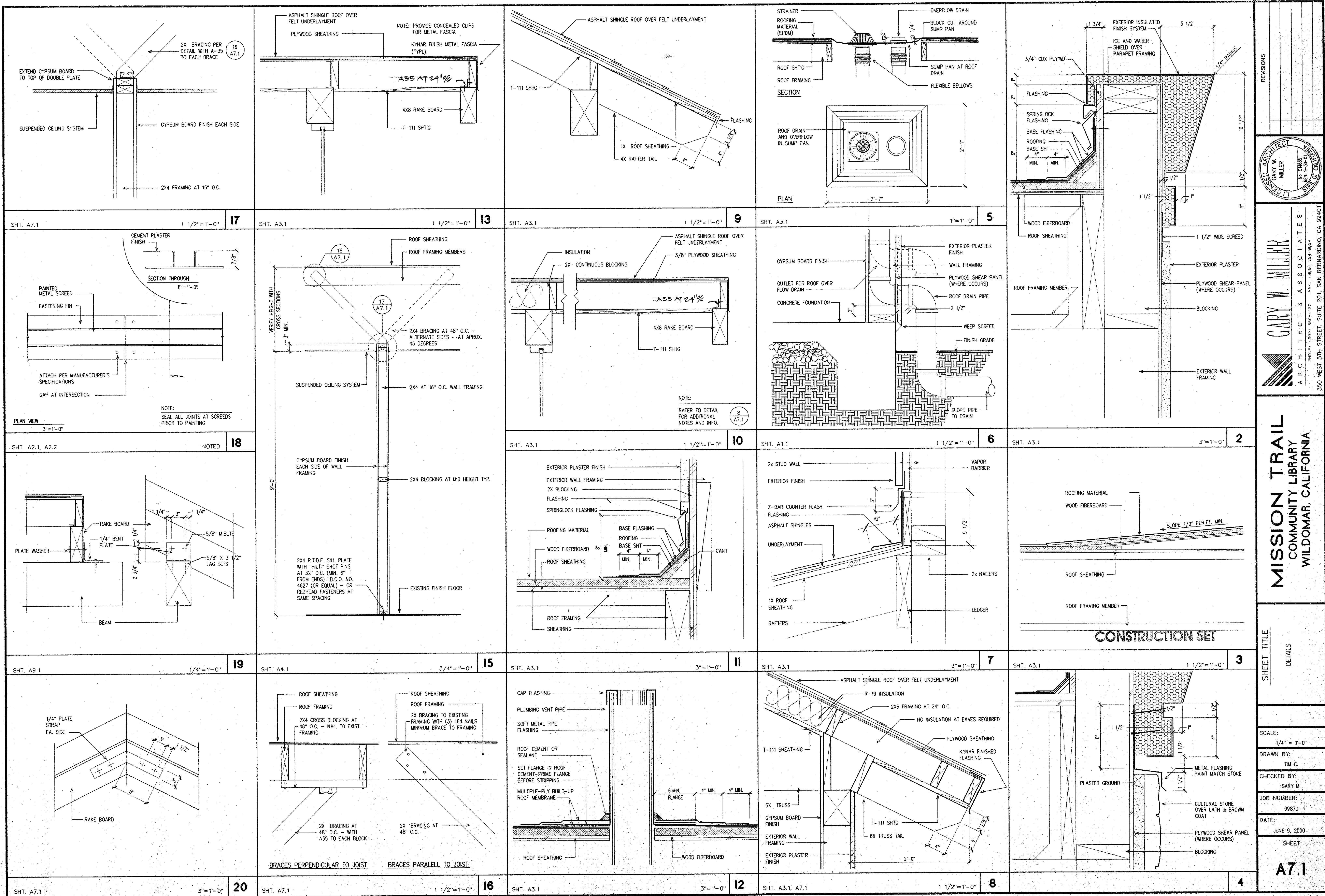
- KEY NOTES:** ○
1. ROOF SHEATHING
 2. ROOF FRAMING AT 24" O.C.
 3. 4X RAFTERS AT 48" O.C.
 4. 3 5/8" METAL STUD CEILING FRAMING AT 18" O.C.
 5. PREFORMED CORNICE
 6. EXTERIOR FINISH
 7. INSULATION
 8. RIGID INSULATION
 9. SUSPENDED CEILING
 10. GYPSUM BOARD FINISH
 11. 6X ROOF TRUSSES
 12. 2X FRAMING
 13. 2X BLOCKING AT MID HEIGHT
 14. WINDOW
 15. DOOR
 16. BLUE LAMINATED BEAM
 17. INTERIOR WALL BRACING PER DETAIL 15(A.1)

REVISIONS
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SHEET TITLE
CROSS SECTIONS
SCALE:
1/4" = 1'-0"
DRAWN BY:
TIM C.
CHECKED BY:
GARY M.
JOB NUMBER:
99870
DATE:
JUNE 9, 2000
SHEET

CONSTRUCTION SET



REVISIONS

ARCHITECT

GARY W. MILLER

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SHEET TITLE

DETAILS

SCALE:

1/4" = 1'-0"

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CHECKED BY:

GARY M.

JOB NUMBER:

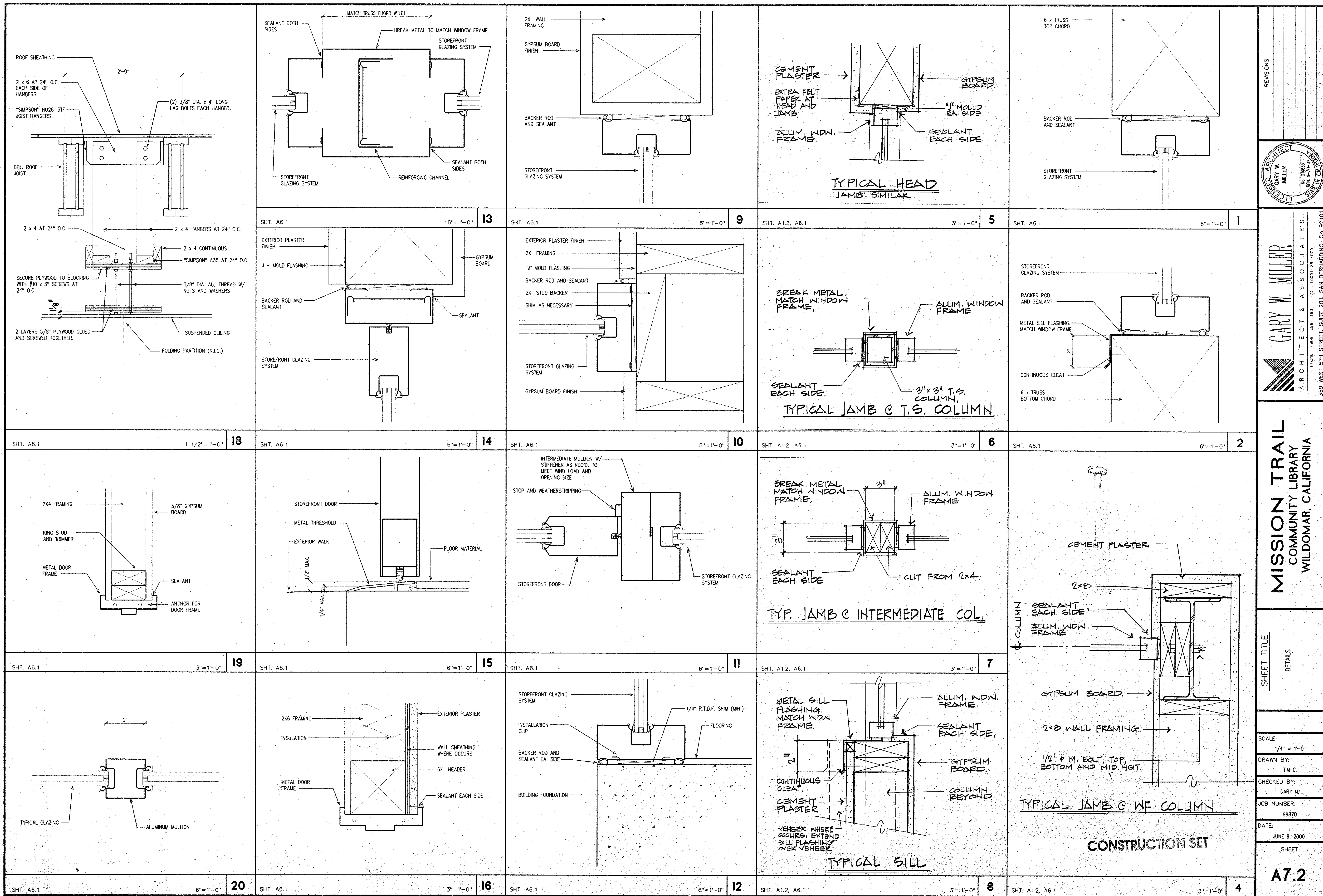
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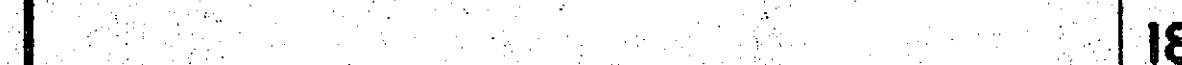
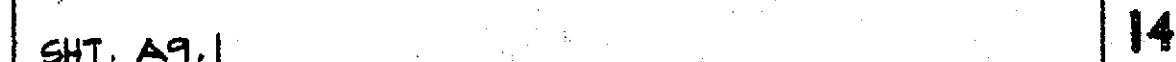
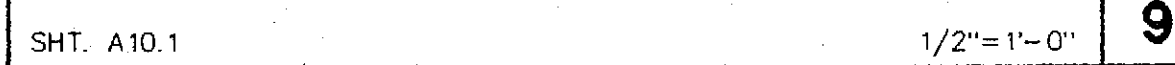
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JUNE 9, 2000

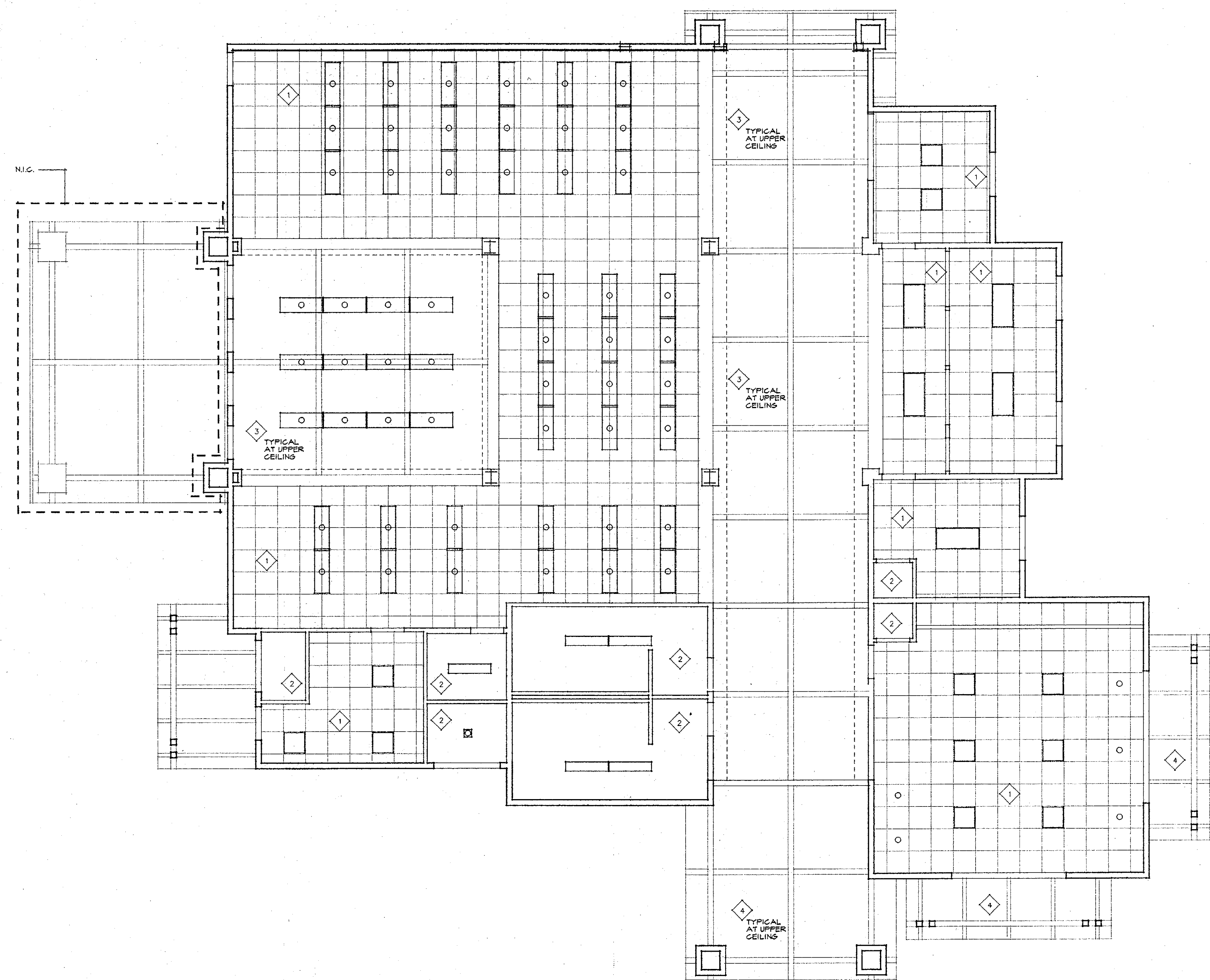
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A7.1





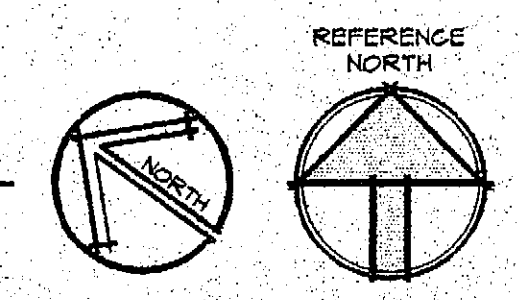
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- LEGEND:
- X RECESSED CAN LIGHT
 - . RECESSED DOWN LIGHT
 - . SURFACE MOUNTED FLUORESCENT FIXTURE
 - SUSPENDED FLUORESCENT FIXTURE
 - RECESSED FLUORESCENT FIXTURE
 - RECESSED FLUORESCENT FIXTURE

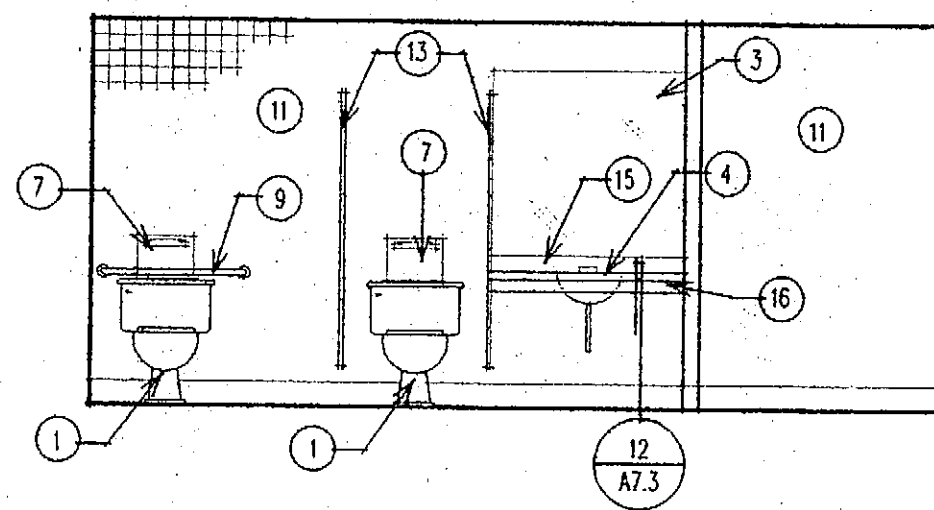
- CEILING FINISH SCHEDULE:
- 1 24" X 24" CEILING SUSPENSION SYSTEM WITH ACOUSTICAL TILE - PER DETAIL 13/AT.3
 - 2 GYPSUM BOARD CEILING WITH 3 5/8" METAL STUD CEILING JOIST AT 16" O.C.
 - 3 GYPSUM BOARD PAINTED
 - 4 5/8" T-111 PLYWOOD PAINTED

REFLECTIVE CEILING PLAN

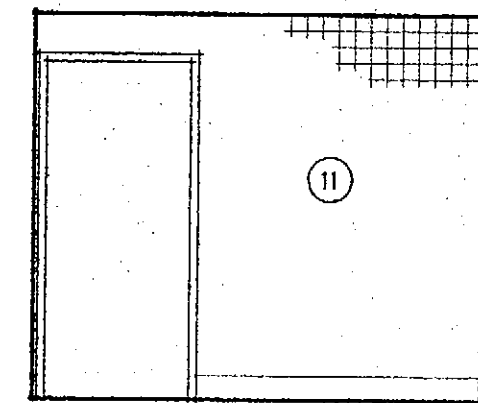


CONSTRUCTION SET

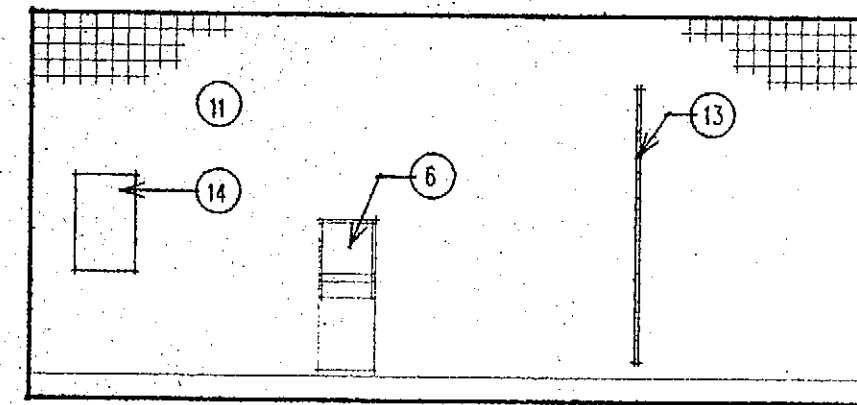
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SHEET TITLE REFLECTIVE CEILING PLAN																						
SCALE: 3/16" = 1'-0"																						
DRAWN BY: TIM C.																						
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JOB NUMBER: 99870																						
DATE: JUNE 9, 2000																						
SHEET A9.1																						



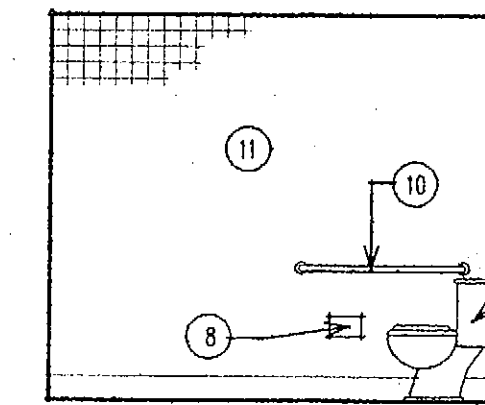
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ROOM 110



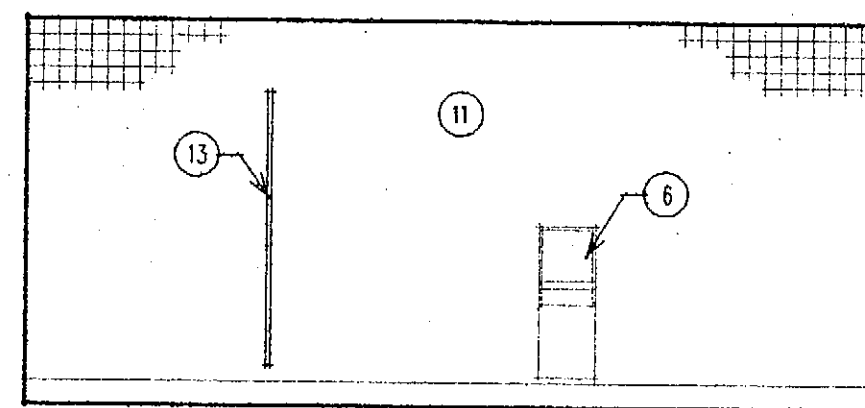
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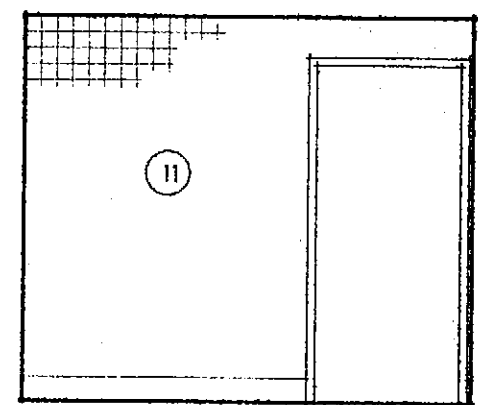
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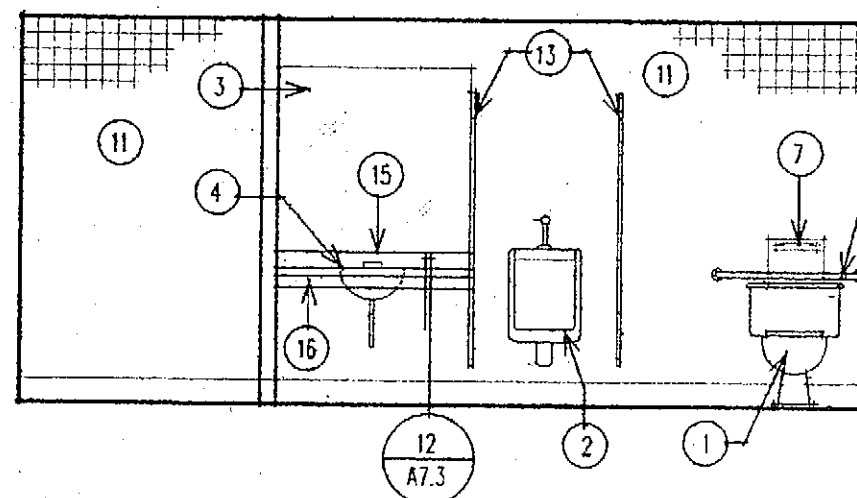
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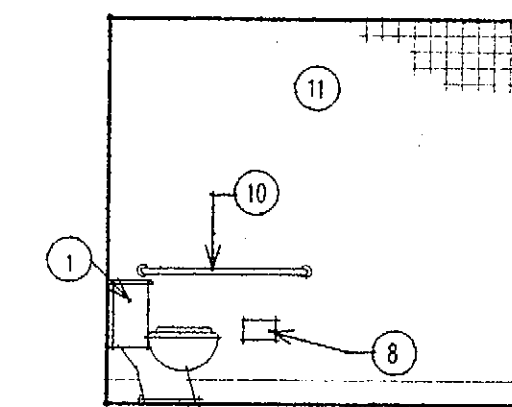
MEN 5
ROOM 111



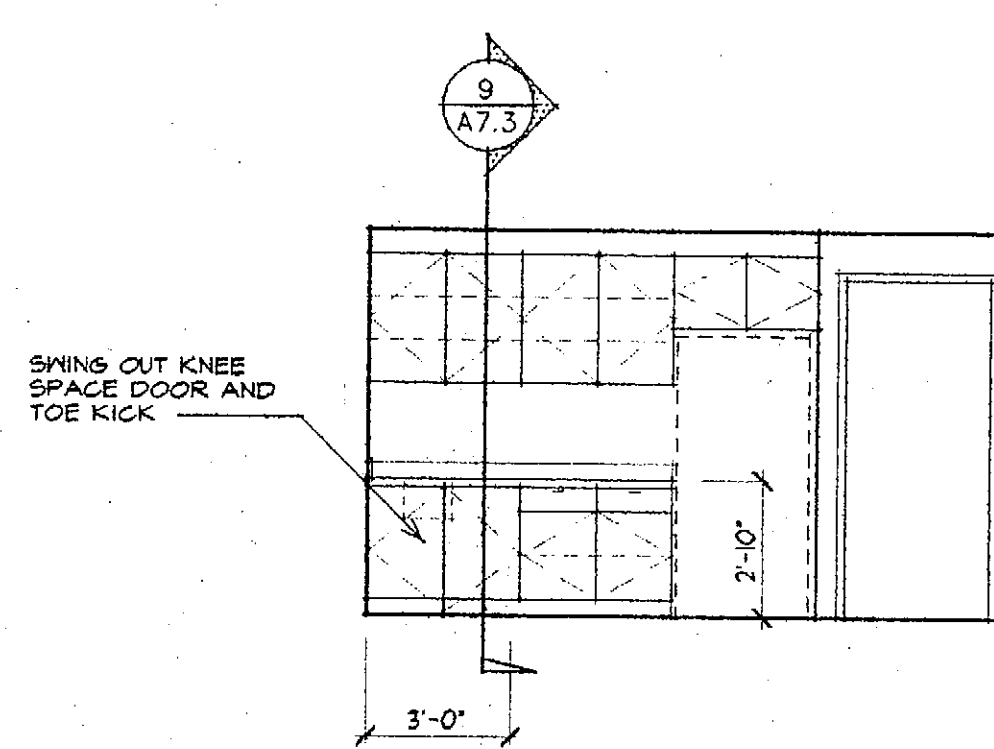
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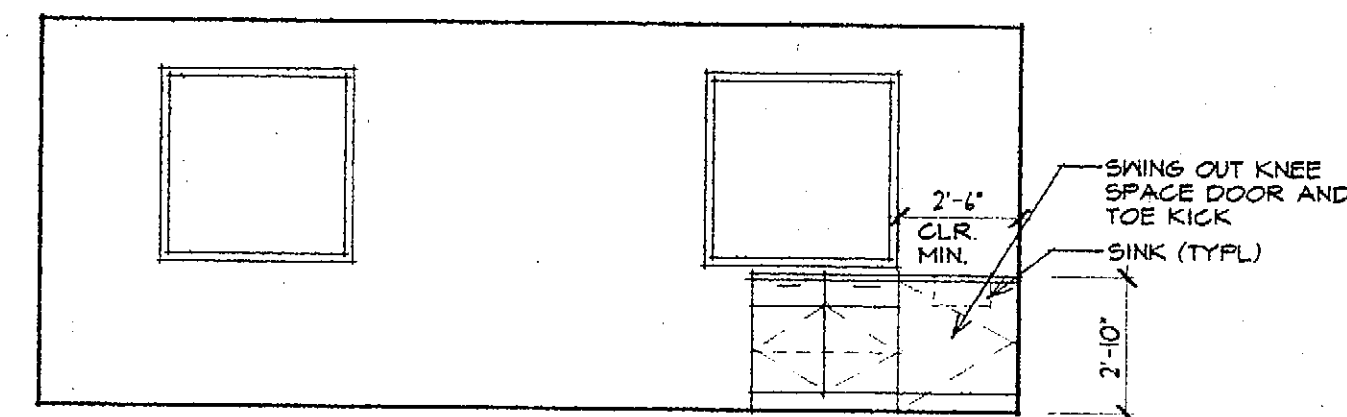
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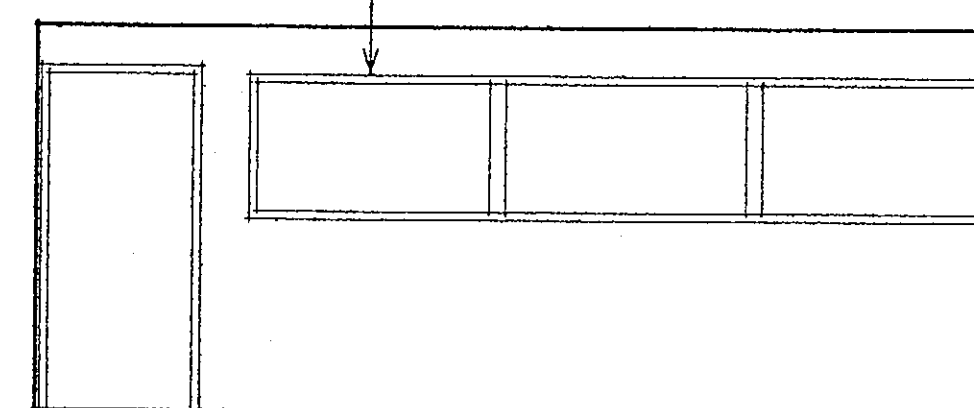
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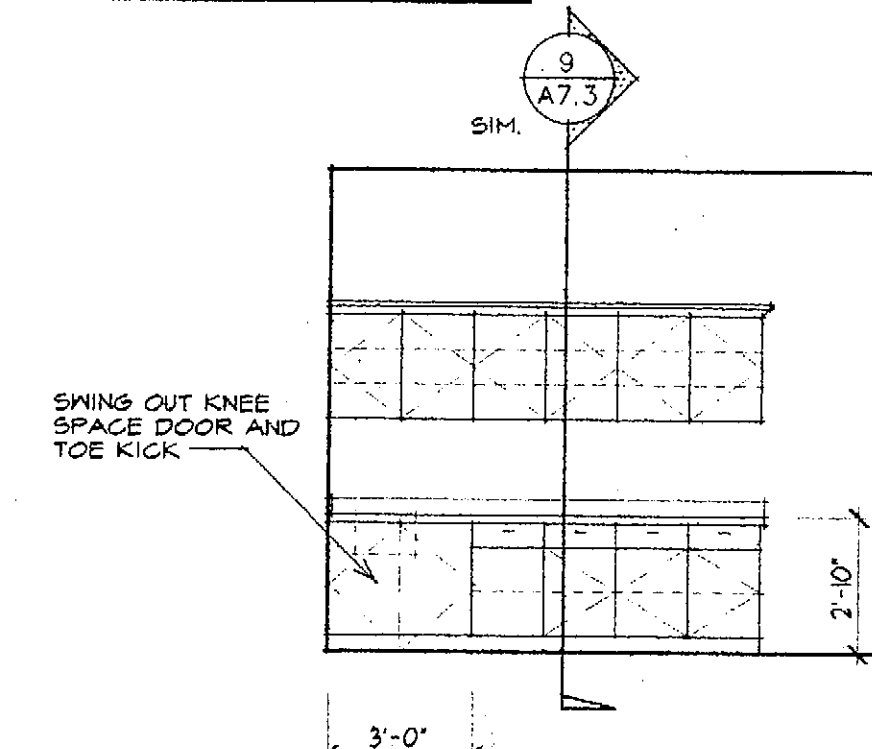
BREAK ROOM 9
ROOM 106



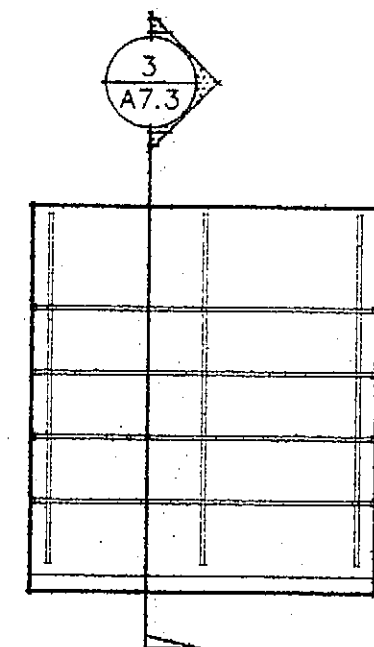
WORK ROOM 10
ROOM 105



11



MEETING ROOM 12
ROOM 107



CUSTODIAN 16
ROOM 112

NOTES:

1. REFER TO HANDICAP REQUIREMENTS SHEET FOR DIMENSIONS.
2. WRAP ALL DRAIN, HOT AND COLD WATER PIPES.
3. PROVIDE SOLID BACKING FOR MOUNTING ALL GRAB BARS AND EQUIPMENT.
4. KEY NOTES ARE TYPICAL FOR ELEVATIONS.
5. ALL BATHROOM ACCESSORIES SUCH AS GRAB BARS, SOAP DISHES, ETC. ON OR WITHIN WALLS SHALL BE SEALED AGAINST MOISTURE, PER U.B.C. 807.1.2.
6. PROVIDE WATER RESISTANT GYPSUM BOARD FOR TILE BACKER AT WATER CLOSETS AND SINK AREAS. PER U.B.C. 2512 (NOT TO BE INSTALLED AT CEILING).
7. A MAXIMUM OF 40" (FROM FINISH FLOOR) MOUNTING HEIGHT AT ALL EQUIPMENT OPERABLE DEVICES SHALL BE MAINTAINED.

KEY NOTES: ○

- | | |
|---|-------------------------------------|
| 1. WATER CLOSET OR TOILET AS INDICATED | 10. 42" LONG (1 1/2" DIA.) GRAB BAR |
| 2. WALL HUNG URINAL | 11. CERAMIC TILE |
| 3. MIRROR | 12. NOT USED |
| 4. SINK COUNTER TOP | 13. PARTITIONS |
| 5. NOT USED | 14. NAPKIN/TAMPON DISPENSER |
| 6. COMBINATION PAPER TOWEL DISPENSER AND TRASH RECEPTACLE | 15. 4" HIGH SPLASH AT TOP |
| 7. TOILET SEAT COVER DISPENSER | 16. 4" APRON AT COUNTER |
| 8. TOILET TISSUE DISPENSER | 17. DRINKING FOUNTAIN |
| 9. 36" LONG (1 1/2" DIA.) GRAB BAR | |

INTERIOR ELEVATIONS

CONSTRUCTION SET

REVISIONS

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COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
INTERIOR ELEVATIONS

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

DRAWN BY:
TIM C.

CHECKED BY:
GARY M.

JOB NUMBER:
99870

DATE:
JUNE 9, 2000

SHEET

A10.1

STRUCTURAL GENERAL NOTES

GENERAL REQUIREMENTS

- WORK PERFORMED SHALL COMPLY WITH THE FOLLOWING:
 - ALL STRUCTURAL NOTES, DRAWINGS, AND SPECIFICATIONS.
 - UNIFORM BUILDING CODE, 1997.
 - ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES, LAWS, REGULATIONS AND PROTECTIVE COVENANTS GOVERNING THE SITE OF WORK.
 - STANDARD SPECIFICATIONS OF ASTM AS NOTED HEREIN AND REQUIRED BY U.B.C. 1997.
- NOTES AND DETAILS ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES, SPECIFICATIONS, AND TYPICAL DETAILS PROVIDED ON THIS SHEET AND/OR SHEET S01. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. TYPICAL DETAIL AND GENERAL NOTES ARE MINIMUM REQUIREMENT TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
- IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE RESPONSIBILITY OF THE CONTRACTOR. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE OF DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- WEI PEI STRUCTURAL ENGINEERS, INC. (WPSE) OR ARCHITECT OF RECORD IS TO BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR SHOULD ANY QUESTION OR DISCREPANCY ARISE PERTAINING THE WORKING DRAWINGS AND/OR SPECIFICATIONS.
- NO DEVIATIONS FROM THESE REQUIREMENTS AND STRUCTURAL DETAILS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF WPSE. APPROVAL BY THE INSPECTOR DOES NOT CONSTITUTE AUTHORITY TO DEVIATE FROM PLANS OR SPECIFICATIONS.
- THE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ARCHITECT OR WPSE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER SHALL NOT IMPLY THE ASSUMPTION OF ANY RESPONSIBILITY IN THIS REGARD.
- WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
- CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON ROOF. LOAD SHALL NOT EXCEED THE DESIGN DEAD LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING.
- OWNER SHALL PAY STRUCTURAL ENGINEER FOR STRUCTURAL OBSERVATIONS DURING CONSTRUCTION AS REQUIRED BY BUILDING DEPT.

STRUCTURAL WOOD

- MINIMUM QUALITY
 - ALL STRUCTURAL WOOD SHALL BE OF DOUGLAS FIR LARCH SPECIES, WITH 19% MAXIMUM MOISTURE CONTENT, GRADED IN ACCORDANCE WITH THE "GRADING AND DRESSING RULES #16" OF THE WEST COAST LUMBER INSPECTION BUREAU, U.N.O.
 - EACH SHEET OF STRUCTURAL PLYWOOD SHALL CONTAIN A MINIMUM OF 8 SQUARE FEET AND SHALL EXTEND TO 3 BEARINGS MINIMUM WITH FACEGRAIN PERPENDICULAR TO JOISTS.
 - ALL MACHINE BOLTS SHALL CONFORM TO ASTM A307, UNLESS OTHERWISE NOTED.
 - ALL NAILS SHALL BE SINKER NAILS, UNLESS OTHERWISE NOTED.
 - CONTINUE PLYWOOD ROOF SHEATHING UNDER ALL CALIFORNIA FRAMING.
 - AN ATC CERTIFICATE OF CONFORMANCE FOR GLUED-LAMINATED MEMBERS MUST BE SUBMITTED TO THE FIELD INSPECTOR PRIOR TO INSTALLATION. ALL GLUED-LAMINATED MEMBERS SHALL BE DF/D4-V4 WITH STANDARD CAMBER, U.N.O. AND EXTERIOR GLUE SHALL BE USED WHERE LAMINATED BEAM ARE EXPOSED TO WEATHER. THE LAMINATED BEAMS SHALL BE FURNISHED AND DETAIL BY A LICENSED FABRICATOR SPECIALIZING IN THIS TYPE OF WORK.
- LUMBER GRADES
 - 6X & 8X BEAM/HEADERS: #1 DFL
 - 4X BEAMS AND HEADERS: #2 DFL
 - 2X JOISTS/RAFTERS: #2 DFL
 - STUDS: STUD GRADE
 - TOP PLATES: D.F.L. STUD GRADE OR BETTER
- ALL OPEN-WEB TRUSSES (NER-149), COMPOSITE "T" JOISTS (TJI JOISTS) (NER-200), MICROLAM (M-L) (NER-481), PARALLAM (P-L) (NER-481) AND TIMBERSTRAND (T-S) (NER-481) SHALL BE OF TRUSS JOIST MACULAN, BOISE, IDAHO, TEL.: 1-800-628-3997, OR APPROVED ALTERNATE SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER TO REVIEW & APPROVE PRIOR TO FABRICATION.

FRAMING

- ALL FRAMING, BRACING, NAILING, NOTCHING, DRILLING OR BORING SHALL BE IN ACCORDANCE WITH U.B.C. UNLESS MORE STRINGENT REQUIREMENT ARE SPECIFIED.

- BOLT HOLES IN UNSEASONED LUMBER SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT. A WASHER NOT LESS THAN A STANDARD CUT WASHER OR A METAL PLATE OR STRAP IN LIEU THEREOF, SHALL BE PLACED BETWEEN THE WOOD AND THE BOLT HEAD, AND BETWEEN THE WOOD AND THE NUT.
- FRAMING IN CONTACT WITH MASONRY OR CONCRETE SHOULD BE PRESSURE TREATED LUMBER OF SAME SPECIES.
- STRUCTURAL INFORMATION SHOWN ON FRAMING PLANS IS FOR THE MAIN STRUCTURAL ELEMENTS. NONE-STRUCTURAL ELEMENTS SHALL BE CONSTRUCTED PER APPROVED CODE REQUIREMENTS.
- CONVENTIONAL CONSTRUCTION REQUIREMENTS OF CHAPTER 23 FOR LIGHT FRAMED CONSTRUCTION SHOULD BE FOLLOWED AS REQUIRED.
- TOP PLATES OF ALL WOOD STUD WALLS SHALL BE CONSISTED OF (2) 2X'S WITH THE SAME WIDTH AS THE STUDS. MINIMUM OF 48" AND BE SPICED WITH NOT LESS THAN 6-16d NAILS SPACED NOT MORE THAN 12" ON CENTER. FRAMING CONTRACTOR IS TO PROVIDE ADDITIONAL STRAPS OR NAILS AT TOP PLATE SPICE WHERE SPECIFIED ON THE FRAMING PLAN AT TIME OF STUD WALL FRAMING.
- ALL SHEAR PANELS SHALL HAVE CONTINUOUS SHEATHING MATERIAL FROM ONE END TO THE OTHER AND FROM PLATE TO PLATE AS SPECIFIED ON THE DRAWINGS.
- WHERE POSTS OR MULTIPLE STUDS ARE IN SHEAR PANELS, SHEATHING (i.e., DRYWALL, PLYWOOD, OR WIRE MESH FOR STUCCO) SHALL BE EDGE NAILED TO POSTS.
- ALL LEDGERS SHALL BE SPICED WITH ST22 STRAP, UNLESS OTHERWISE NOTED.
- FLANGE POSTS AT LOWER FLOOR UNDER POST OR MULTIPLE STUDS ABOVE. PROVIDE FULL WIDTH AND DEPTH COMPRESSION BLOCK BETWEEN FLOORS AT SUCH LOCATIONS, U.N.O.
- WHERE HANGERS ARE NEEDED, WHETHER INDICATED ON PLAN OR NOT, U.N.O., USE "U" OR "L" HANGERS FOR JOISTS/RAFTERS, AND "H" HANGERS FOR BEAMS OR MULTIPLE JOISTS.
- IF DOUBLE SILL PLATES ARE USED, THE FRAMING CONTRACTOR SHALL APPLY SILL PLATE NAILING TO BOTH SILL PLATES.
- DURING HANGER INSTALLATION, FILL ALL ROUND AND TRIANGLE NAIL HOLES OF HANGERS.
- STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS NOTED OR DETAILED.
- WHERE LAG SCREWS ARE USED, HOLES SHALL BE PREDRILLED. THE SHANK PORTION OF THE HOLE SHALL BE THE SAME DIAMETER AS THE SCREW SHANK, AND 75% SHANK DIAMETER FOR THE THREAD PORTION. SCREWS SHALL BE INSERTED WITH THE TURN OF A WRENCH, DRIVING WITH A HAMMER WILL NOT BE PERMITTED.

- 2.20 DRYWALL USED FOR FINISHED WALL AND CEILING MATERIAL SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS OF SHEAR PANEL TYPE 2 AND I.C.B.O. REPORT NO. 1874, U.N.O.
- 2.21 MULTIPLE 2X MEMBERS (i.e., DBL JOISTS, DBL STUDS, ETC.) SHALL BE NAILED TOGETHER W/ 16d's @ 16" O.C. STAGGERED. BEAMS COMPOSED OF MULTIPLE ELEMENTS W/ WIDTH 2X OR LARGER SHALL BE CONNECTED TOGETHER W/ 1/2" M.B.'S @ 16" O.C. STAGD.
- 2.22 PROVIDE SOLID BLOCKING UNDER ALL SECOND FLOOR WALLS. PROVIDE DBL FLOOR JOIST UNDER PARALLEL INTERIOR WALL, U.N.O.
- 2.23 UNIFORM BUILDING CODE-TABLE 23-I-R-3 BALLOON FRAMED WALLS (NON-BEARING) STUD HEIGHTS:
2X4's @ 16" O.C. MAXIMUM 14'-0" HEIGHT
2X6's @ 16" O.C. MAXIMUM 20'-0" HEIGHT
NO MULTIPLES OF 2X4's ARE ALLOWED TO SPAN MORE THAN 14'-0". BEARING WALLS EXCEEDING 10'-0" MUST BE DESIGNED CASE BY CASE.

CEILING JOISTS					
FOLLOWING SPAN TABLE CAN BE USED FOR CEILING JOISTS UNLESS NOTED OTHERWISE ON PLAN. THE FOLLOWING CONDITIONS ARE MET:					
A. DEAD LOAD = 8.0 PSF					
B. LIVE LOAD = 10.0 PSF					
C. TOTAL DEFLECTION = L/240.0					
D. W/ DRY WALL CEILING					
E. USE #2 DOUGLAS FIR LARCH					
SIZE	SPACING	MAX. SPAN	SIZE	SPACING	MAX. SPAN
2X4	12"	10'-6"	2X6	12"	18'-7"
	16"	9'-7"		16"	15'-1"
	24"	8'-4"		24"	13'-2"
2X8	12"	21'-11"			
	16"	19'-11"			
	24"	17'-4"			

PRE-FABRICATED TRUSSES

- TRUSS MANUFACTURER SHALL SUPPLY TO THE ENGINEER AND THE BUILDING DEPARTMENT CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 3 POINT BEARING), AND SHEAR TRANSFER, PRIOR TO FABRICATION. IT SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER TO OBTAIN BUILDING DEPARTMENT APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION.
- TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST LOCAL BUILDING CODE FOR ALL LOADS IMPOSED, INCLUDING LATERAL LOADS AND MECHANICAL EQUIPMENT LOADS.
- ALL CONNECTION ELEMENTS INVOLVING TRUSSES SHALL BE I.C.B.O. APPROVED AND OF ADEQUATE AND SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS MANUFACTURER.
- DEFLECTION SHALL BE LIMITED TO L/240 FOR DEAD LOAD AND LIVE LOAD, AND L/360 FOR LIVE LOAD.
- ADEQUATE CROSS BRIDING AND/OR BRACING SHALL BE PROVIDED AND DETAILED BY TRUSS MANUFACTURER.
- TRUSS MANUFACTURER TO PROVIDE DETAILS WHICH ALLOW FOR FORMAL DEFLECTION WITHOUT OPPOSING LATERAL LOADS ON THEIR SUPPORTS (i.e., SCISSOR TRUSSES), CONTRACTOR IS TO COORDINATE WITH TRUSS MANUFACTURER FOR BRACING OF TOP AND BOTTOM CHORDS, IN ADDITION TO ANY CONNECTIONS RELATED TO TRUSSES.
- TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING SHEAR AND DRAG TRUSSES AS SHOWN ON THE FRAMING PLAN.
- TRUSS MANUFACTURER IS RESPONSIBLE FOR REVIEWING FRAMING PLANS AND STRUCTURAL DETAILS PRIOR TO FABRICATION OF TRUSSES AND SPECIFYING HANGERS.
- ALL TRUSSES DESIGNED BY TRUSS MFR. SHALL BE DESIGNED TO SUSTAIN ANY VERTICAL, LATERAL OR ANY OTHER PERTINENT LOAD SUCH AS BRACING OF TOP CHORDS AND BOTTOM CHORDS IN ADDITION TO ANY CONNECTION RELATED TRUSSES.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN CHAPTER 22, U.B.C.
- STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 SPECIFICATIONS AND TO THE A.I.S.C. SPECIFICATIONS FOR FABRICATION AND ERECTION, U.N.O.
- ALL STEEL TUBES SHALL CONFORM TO A.S.T.M. A-500 GRADE "B". ALL STEEL PIPE SHALL CONFORM TO A.S.T.M. A-53 GRADE "B".
- ALL BOLTS SHALL CONFORM TO A.S.T.M. (A-307) FOR UNFINISHED BOLTS, EXCEPT WHERE SPECIFICALLY NOTED AS HIGH STRENGTH BOLTS WHICH SHALL CONFORM TO A.S.T.M. A-325. ALL A-325 BOLTS SHALL HAVE SPECIAL INSPECTION.
- ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER AND CONFORM TO THE A.W.S. SPECIFICATIONS, USE LOW HYDROGEN ELECTRODES E70XX FOR ALL WELDING.

- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED OR PRIME PAINTED AFTER FABRICATION. STRUCTURAL STEEL MEMBERS TO BE FIREPROOFED NEED NOT BE PAINTED.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED IN THE SHOP OF A LICENSED FABRICATOR AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. ALL FIELD WELDING, EXCEPT MINOR OR TACK WELDING, SHALL BE CONTINUOUSLY INSPECTED BY AN APPROVED WELDING INSPECTOR.
- BRACE LEVELING NUTS FOR ALL BOLTS AT BEAM SEATS AND COLUMN BASE PLATES.
- ALL NUTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE HEAVY HEXAGONAL NUTS.
- ALL BOLT SPACING IN STRUCTURAL STEEL CONNECTIONS TO BE 3" MINIMUM O/C BETWEEN BOLTS AND 1 1/2" O/C MINIMUM EDGE DISTANCE, UNLESS NOTED OTHERWISE.
- ALL STUDS WELDED TO STEEL BEAMS AND COLUMNS SHALL BE NELSON STUDS OR OTHER APPROVED.
- REQUIREMENTS FOR BEAM TO COLUMN CONNECTION OF STEEL MOMENT FRAME:
- FLANGE WELDS SHALL USE NOTCH-TOUGH ELECTRODES (MINIMUM CHARPY V-NOTCH TOUGHNESS 20 FT-LB AT 0°F, i.e. E7018) WITH SHIELDED METAL ARC WELDING (SMAW) PROCEDURE.
- BACKING BARS & WELD TABS SHALL BE REMOVED.
- FLANGE WELDS SHALL BE BACKGROUGED.
- PROVIDE 3/8" FILLET WELD WITH NOTCH-TOUGH ELECTRODES AT BOTH SIDES OF THE FLANGE TO REINFORCE FULL PENETRATION WELDS.

CONCRETE

- ALL CONCRETE MATERIALS AND CONSTRUCTION SHALL CONFORM TO CHAPTER 19, U.B.C.
- ALL CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE I OR II, LOW ALKALI.
- FINE AND COARSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33 FOR STANDARD WEIGHT CONCRETE, WITH THE AVERAGE DRYING SHRINKAGE AT 28-DAYS OF DRYING NOT EXCEEDING 0.04% MAX AGGREGATE SIZE SHALL BE 3/4" OF MINIMUM CLEAR SPACING BETWEEN BARS.
- USE TYPE V CEMENT FOR CONCRETE IN CONTACT WITH SOILS.
- CONCRETE SHALL BE PROPORTIONED TO PROVIDE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI @ 28 DAYS, UNLESS NOTED OTHERWISE.
- ALL REINFORCING, ANCHOR BOLTS, DOWELS, HOLD-DOWNS, AND OTHER INSERTS SHALL BE SECURED IN POSITION AND APPROVED BY THE LOCAL BUILDING OFFICIAL PRIOR TO POURING CONCRETE.
- CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 10-DAYS OR BY AN APPROVED CURING COMPOUND.
- REFER TO ARCHITECTURAL MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR MISCELLANEOUS ITEMS TO BE CAST IN CONCRETE, AND FOR LOCATIONS OF FLOOR FINISHES, DEPRESSIONS, PITS, ETC.
- MINIMUM COVER ON NON-PRESTRESSED STEEL:
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
EXPOSED TO EARTH OR WEATHER 1 1/2"
#5 BARS OR SMALLER 1"
#6 BARS OR LARGER 2"
NOT EXPOSED TO WEATHER OR GROUND CONTACT
SLABS, WALLS, OR JOISTS 3/4"
#11 BARS OR SMALLER 1 1/2"
#14 AND #18 BARS 1 1/2"
BEAMS, GIRDER, OR COLUMNS 1 1/2"
- MINIMUM HORIZONTAL CLEAR DISTANCE BETWEEN BARS IN A LAYER:
BEAMS: THE MAXIMUM OF ONE BARS DIAMETER OR 1"
WALLS: THE MAXIMUM OF ONE BARS DIAMETER OR 1"
- MINIMUM HORIZONTAL CLEAR DISTANCE BETWEEN BARS IN ADJACENT LAYER BEAMS: 1"

CONCRETE MASONRY

- ALL CONCRETE MASONRY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 21, U.B.C.
- MORTAR SHALL BE TYPE M OR S AS APPLICABLE AND SHALL BE PROPORTIONED PER TABLE 21-A, U.B.C. AND IN CONFORMANCE WITH ASTM C270.
- GROUT SHALL HAVE INGREDIENTS PROPORTIONED PER TABLE NO. 21-B, U.B.C. AND IN CONFORMANCE WITH ASTM C478 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
- CONCRETE BLOCK SHALL BE HOLLOW UNITS, CONFORMING TO A.S.T.M. C-90, GRADE "N-1", MEDIUM WEIGHT UNITS WITH MAXIMUM LINEAR SHRINKAGE OF 0.06%.
- THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY, F_m, SHALL BE 1500 PSI, UNLESS NOTED OTHERWISE.
- PROVIDE CLEANOUT OPENINGS AT BOTTOM OF ALL VERTICALLY GROUTED CELLS, AND SPECIAL INSPECTION FOR CLEANOUT IF GROUT POUR LIFT EXCEEDS 5'-0". MAXIMUM LIFT SHALL BE 6'-0".
- ALL REINFORCING SHALL HAVE A MINIMUM COVERAGE OF 1/2" GROUT.
- BOLTS SHALL BE GROUTED WITH 1" GROUT BETWEEN BOLT AND MASONRY.
- NO PIPES/DUCTS SHALL BE PLACED IN MASONRY WALLS WITHOUT SLEEVES. PIPES/DUCTS NOT GREATER THAN 3" IN DIAMETER CAN BE TRU MASONRY WALL W/ STEEL SLEEVE PIPE W/ SEALANT BETWEEN.
- DOWELS IN CONCRETE FOR MASONRY WALLS SHALL BE THE SAME SIZE AND SPACING AS MASONRY WALL REINFORCING, WITH 48d LAP.
- ALL MASONRY SHALL BE REINFORCED GROUTED MASONRY, SOLID GROUT ALL CELLS, UNLESS NOTED OTHERWISE ON PLAN.
- REINFORCING SHALL BE SECURELY HELD AND BRACED IN PLACE TO PREVENT MOVEMENT WHILE PLACING MASONRY & GROUT.
- ALL BUILDING RETAINING BLOCK WALLS SHALL BE PROVIDED WITH AN APPROVED MOISTURE BARRIER ON DIRT SIDE.
- U.N.O., ALL MASONRY WALL SHALL BE CONSTRUCTED IN RUNNING BOND AND SHALL HAVE VERTICAL EXPANSION JOINTS SPACED NOT MORE THAN 40'-0" O/C.

REINFORCING STEEL

- ALL REINFORCING STEEL BARS SHALL BE A.S.T.M. A-615, GRADE 40 FOR #3 & #4, AND GRADE 60 FOR LARGER, U.N.O.
- ALL REINFORCING TO BE WELDED SHALL BE OF A WELDABLE GRADE SUCH AS ASTM A706.
- USE LOW HYDROGEN ELECTRODES, GRADE E-70 FOR WELDED REINFORCING BARS.
- ALL REINFORCING SHALL BE SECURELY TIED AND BRACED IN PLACE PRIOR TO POURING CONCRETE OR PLACING MASONRY.
- REINFORCING BARS MARKED CONTINUOUS SHALL BE SPICED WITH A MINIMUM LAP OF 48 BAR DIAMETERS IN MASONRY AND PER SCHEDULE FOLLOWING FOR CONCRETE.

MIN. LAP SPICE LENGTH FOR REBAR IN CONCRETE (INCH)

1. FOR ALL DEFORMED BARS EXCEPT TOP BARS:

BAR NO.	2000	2500	3000	3500	4000	5000
#3	20	18	16	16	16	16
#4	27	24	22	20	19	17
#5	33	30	28	25	24	21
#6	40	36	32	30	28	25
#7	46	41	38	35	33	29
#8	52	46	43	40	39	35
#9	60	52	57	53	49	44
#10	66	57	60	55	51	46
#11	104	83	85	79	74	65

2. FOR ALL DEFORMED TOP BARS ONLY:

BAR NO.	2000	2500	3000	3500	4000	5000
#3	26	23	21	21	21	21
#4	34	31	28	26	24	22
#5	43	38	35	33	31	27
#6	51	46	42	39	37	33
#7	60	54	49	45	43	38
#8	72	64	59	54	51	46
#9	84	74	69	64	61	57
#10	114	100	91	85	79	71
#11	135	121	110	102	96	86

TOP REINF. REFERS TO REINF. STEEL SO PLACED THAT MORE THAN 12" OF FRESH CONC. IS CAST IN THE MEMBER BELOW THE REINFORCEMENT

FOUNDATION

- ALL SOIL WORK & FOUNDATION WORK SHALL COMPLY WITH:
 - SOIL REPORT BY SOILS SOUTHWEST, INC., DATED: FEB. 7, 2000
ALLOWABLE BEARING PRESSURE = 1800 PSF
THIS REPORT IS CONSIDERED PART OF CALCULATIONS AND CONSTRUCTION DOCUMENTS AND IS TO BE ADHERED TO IN ALL OF ITS RECOMMENDATIONS AND REQUIREMENTS. CONTRACTOR SHALL VERIFY MINIMUM FOUNDATION DEPTH, WIDTH, REINFORCING STEEL AND ADDITIONAL EXPANSIVE SOIL REQUIREMENTS WITH THE SOILS REPORT AND IF THEY ARE ANY MORE RESTRICTIVE, THEN THEY SHALL SUPERSEDE THE SPECIFICATIONS OF WPSE.
 - CHAPTER 18 OF U.B.C.: ALLOWABLE SOIL BEARING PRESURE = 1000 PSF PER TABLE 18-I-A OF U.B.C.
 - ALL REQUIRED FILL AND BACKFILL SHALL BE COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY OBTAINABLE BY THE A.S.T.M. D-1557 METHOD OF COMPACTION. FLOODING OR JETTING IS NOT PERMITTED.
 - ALL EXTERIOR FOUNDATION PLATES OR SILLS SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL WITH MINIMUM OF 5/8" NOMINAL DIAMETER STEEL BOLTS EMBEDDED AT LEAST 7" INTO THE CONCRETE OR MASONRY AND SPACED NOT MORE THAN 4'-0" APART. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE OF SILL WITH ONE BOLT LOCATED WITHIN 12" OF EACH END. A PROPERLY SIZED NUT AND MINIMUM 2"x2"x3/16" STEEL PLATE WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE. FOUNDATION PLATE AND SILLS SHALL BE THE KIND OF WOOD SPECIFIED IN SECTION 2317 OF U.B.C.
 - ALL INTERIOR WALLS TO HAVE HILT ON (WITH A MINIMUM PENETRATION OF 1-1/8" INTO SLAB) AT 32" ON CENTER, UNLESS NOTED OTHERWISE, TO BE INSTALLED IN ACCORDANCE WITH ICBO #2388. ALTERNATE: HILT D572 PER, WITH SPACING AT 48" ON CENTER.
 - WOOD SHEAR WALL HOLD-DOWNS
- THE CONCRETE CONTRACTOR IS TO VERIFY LOCATION OF HOLD-DOWNS AND ANCHOR BOLTS WITH THE FRAMING CONTRACTOR TO ASSURE PROPER AND ACCURATE INSTALLATION.
- ALL HD's, HDA's, PA's, HPA's, HPAHD22's AND MPA's, ARE TO BE INSTALLED ACCORDING TO SIMPSON STRONG TIE SPECIFICATIONS AND REQUIREMENTS OF ICBO REPORT #1211 AND #4448. MPA's AND HPAHD22's SHALL BE INSTALLED IN FOOTINGS HAVING A MINIMUM WIDTH OF 8" (U.N.O.)
- ALL HOLD-DOWN ANCHORS MUST BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION AND POURING OF CONCRETE.
- PROVIDE MINIMUM (1) #4 BAR AT TOP AND AT BOTTOM OF ALL CONTINUOUS FOOTINGS, U.N.O.
- PROVIDE ONE EXTRA #4 BAR IN FOUNDATION FOR ELECTRICAL GROUND. LOCATION SHALL BE PER ELECTRICAL CONTRACTOR.
- GROUT UNDER BASE PLATES SHALL BE NON-SHRINKING TYPE AND SHALL HAVE COMPRESSIVE STRENGTH NOT LESS THAN CONCRETE OR MASONRY SUPPORTING IT.
- ALL GRADE BEAMS SHALL BE POURED MONOLITHICALLY FOR THEIR ENTIRE LENGTH.
- ALL HORIZONTAL REINFORCEMENT TO HAVE MATCHING DOWELS AT CORNERS OF WALLS. ALL VERTICAL REINFORCEMENT TO HAVE MATCHING DOWELS TO FOOTING, UNLESS OTHERWISE NOTED.
- PROVIDE 24" LONG #3 DOWELS AT 24" ON CENTER AND 12 INCHES FROM CORNERS FOR CONCRETE PORCHES AND STOOPS.

STANDARD ABBREVIATIONS:

A.B.	ANCHOR BOLT	HDR	HEADER
A.W.P.A.	ALUM. WITH POST ABOVE	HT	HEIGHT
ABV.	ABOVE	HORIZ.	HORIZONTAL
B	BOTTOM	JT.	JUNCTION
BAR	REIN. BAR	K	KIPS
BD	BOARD	KCJ	KEYED CONTROL JOINT
BUILD'G.	BUILDING	KSF	KIPS PER SQUARE FOOT
B'W.	BELOW	L	LENGTH
BM	BEAM	LT.	LIGHT
B.N.	BOUNDARY NAIL	LT.WT.	LIGHT WEIGHT
BOT.	BOTTOM	MAS.	MASONRY
B.W.	BOTH WAYS	MAT'L	MATERIAL
C	CHANNEL	MAX.	MAXIMUM
CANT.	CANTILEVERED MEMBER	MIN.	MINIMUM
C/F	CONTINUOUS FOOTING	M.B.	MACHINE BOLT
C/J	CEILING JOIST	N	NEW
CL	CENTERLINE	N.G.	NATURAL GRADE
CLR.	CLEAR	O/C	ON CENTER
COL	COLUMN	P	POST
CONC.	CONCRETE	PJ	POUR JOINT
CONN.	CONNECTION	PL	PLATE
CONT.	CONTINUOUS	PLYWD	PLYWOOD
D	DIAMETER	PS	POUNDS PER SQUARE INCH
db	DIAMETER OF BAR	P.T.	PRESSURE TREATED
DBA	DEFORMED BAR ANCHOR	P.T.	POST-TENSIONED
DBL	DOUBLE	REINF.	REINFORCING
DIA.	DIAMETER	REQ'D	REQUIRED
DM.	DIMENSION	RF	ROOF Rafter
DTTO	DITTO	RJ	ROOF JOIST
E	EXISTING	RR	ROOF RAFTER
EA	EACH	SECT.	SECTION
E.F.	EACH FACE	SHT.	SHEET
E.L.	ELEVATION	SHT'G	SHEATHING
E.L.J.	EXPANSION JOINT	SN	SIMILAR
E.N.	EDGE NAILING	SIMP.	SIMPSON PRODUCT
E.O.S.	EDGE OF SLAB	SQ.	SQUARE
EQ.	EQUAL	STD.	STANDARD
E.S.	EDGE SCREW	STL	STEEL
E/W	EACH WAY	SWR	SHEAR WALL
EXP.	EXPANSION	T	TOP
FB	FLOOR BEAM	T	TOP OF FOOTING
F.D.	FOUNDATION DRAIN	THK.	THICK
FDN.	FOUNDATION	T.O.B.	TOP OF BEAM
FS	FINISH GRADE	T.O.C.	TOP OF CONCRETE
F/L	FLOOR JOIST	T.O.L.	TOP OF LEDGER
FL	FLUSH	T.O.M.	TOP OF MASONRY
FLR.	FLOOR	T.O.S.	TOP OF STEEL ON TOP OF SHT'G
FMG.	FRAMING	T.O.W.	TOP OF WALL
F.N.	FIELD NAILING	TS	TUBE STEEL

F.O.C.	FACE OF CONCRETE	TYP.	TYPICAL
F.O.S.	FACE OF MASONRY	U.N.O.	UNLESS NOTED OTHERWISE
F.P.	FACE OF STUDS	VERT.	VERTICAL
FTG.	FOOTING	W	WIDTH
G.T.	GIRDER TRUSS	W.P.	WEAVERED PLANE JOINT
GA.	GAUGE	W.W.F.	WELDED WIRE FABRIC
GALV.	GALVANIZED	Ø	DIAMETER
GLB.	GLUE-LAMINATED BEAM	O/	AT
G.B.	GRADE BEAM	W/	OVER
H	HIGH	W/O	WITHOUT
		WT	WEIGHT

SPECIAL INSPECTIONS:

- SPECIAL INSPECTIONS CHECKED BELOW (ONLY WHEN THEY ARE CHECKED) SHALL BE PERFORMED PER U.B.C. CHAPTER 17:

- STRUCTURAL CONCRETE WITH COMPRESSIVE STRENGTH GREATER THAN 2500 PSI
- STRUCTURAL MASONRY
- CAST-IN PLACE DRILLED PILES OR CAISSONS
- ANCHOR BOLTS INSTALLED IN CONCRETE
- ANCHOR BOLTS INSTALLED IN MASONRY
- ADHESIVE ANCHORS
- SPECIAL MOMENT-RESISTING FRAME
- ALL FIELD WELDS EXCEPT ONE-PASS FILLET WELD NOT GREATER THAN 5/16"
- MISCELLANEOUS WELDS.
- SPECIAL CASES:

NAILING SCHEDULE

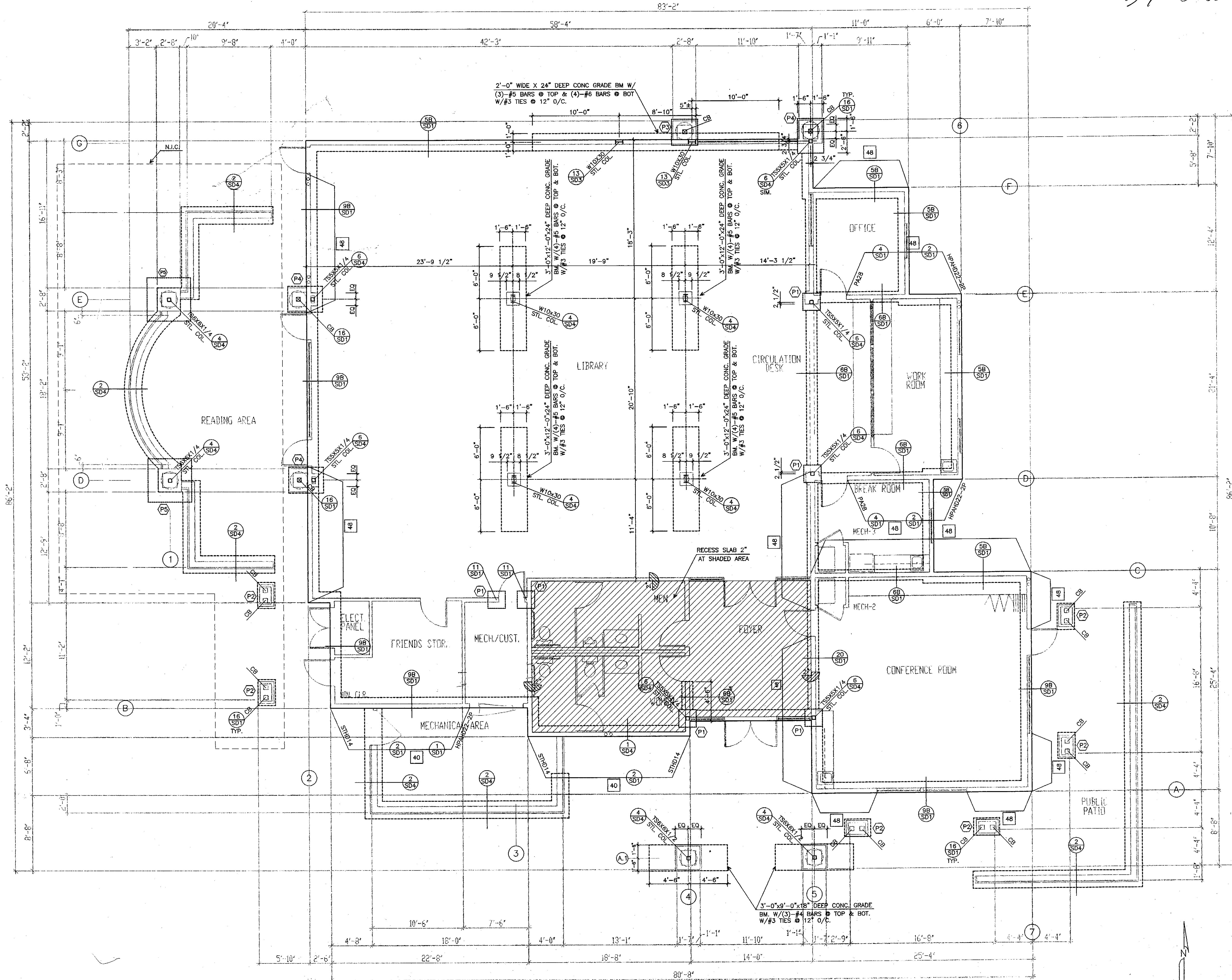
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d
3. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d
4. WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	3-8d
6. SOLE PLATE TO JOIST OR BLOCKING FACE NAIL	16d AT 16" O.C.
7. TOP PLATE TO JOIST AT BRACED WALL PANEL	(3) 16d PER 16"
8. STUD TO SOLE PLATE	2-16d
9. SUPERSEDE THE SPECIFICATIONS OF WPSE.	4-8d, TOE NAIL OR
10. DOUBLE STUDS, FACE NAIL	2-16d, END NAIL
11. DOUBLE TOP PLATES, FACE NAIL	16d AT 24" O.C.
12. DOUBLE TOP PLATES, LAP SPICE	16d AT 18" O.C.
13. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOE NAIL	8-16d
14. RM JOIST TO TOP PLATE, TOE NAIL	3-8d
15. TOP PLATES AND INTERSECTIONS, FACE NAIL	8d AT 6" O.C.
16. CONTINUOUS HEADER TO STUD, TOE NAIL	16d AT 16" O.C.
17. CEILING JOISTS TO PLATE, TOE NAIL	ALONG EACH EDGE
18. CONTINUOUS HEADER TO STUD, TOE NAIL	3-8d
19. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	2-8d
20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
21. RAFTER TO PLATE, TOE NAIL	3-16d
22. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	3-8d
23. 1" X 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d
24. WIDER THAN 1" X 8" SHEATHING TO EACH BEARING, FACE NAIL	2-8d
25. BUILT-UP GIRDER AND BEAMS	20d AT 32" O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPICE

* NOTE: COMMON OR BOX NAILS MAY BE USED (U.N.O.)

SHEAR WALL SCHEDULE

	5/8" A.B. 16d SINKER	5/8" A.B.
--	----------------------	-----------

BY: B2200 G- Pad Footings OK To Pour pending app



FOUNDATION PLAN
SCALE 3/16"=1'-0"

ANCHOR SCHEDULE	
48	5/8" DIA. X 12" ANCHOR BOLT @ 48" O.C.
40	5/8" DIA. X 12" ANCHOR BOLT @ 40" O.C.
32	5/8" DIA. X 12" ANCHOR BOLT @ 32" O.C.
24	5/8" DIA. X 12" ANCHOR BOLT @ 24" O.C.
16	5/8" DIA. X 12" ANCHOR BOLT @ 16" O.C.
8	5/8" DIA. X 12" ANCHOR BOLT @ 8" O.C.
4	MIN. (4) 5/8" DIA. X 12" ANCHOR BOLTS
3	MIN. (3) 5/8" DIA. X 12" ANCHOR BOLTS
2	MIN. (2) 5/8" DIA. X 12" ANCHOR BOLTS

PAD FOOTING SCHEDULE	
P1	2'-0" SQ. X 18" DEEP PAD FT'G W/(2)-#4 EA. WAY @ BOT.
P2	2'-0"x3'-0"x18" DEEP PAD FT'G W/(2)-#4 EA. WAY @ BOT.
P3	3'-0" SQ. X 18" DEEP PAD FT'G W/(3)-#4 EA. WAY @ BOT.
P4	3'-0"x4'-0"x18" DEEP PAD FT'G W/(4)-#4 EA. WAY @ BOT.
P5	6'-0" SQ X 24" DEEP PAD FT'G W/(5)-#6 EA. WAY @ BOT. & TOP

SYMBOLS & LEGENDS	
	DETAIL NUMBER
	DETAIL SHEET NUMBER
	ANCHOR BOLT NUMBER, SEE SCHEDULE
	STEP IN SLAB HEIGHT

- CONSTRUCTION SET**
- FOUNDATION NOTES**
- REFER TO STRUCTURAL GENERAL NOTES SHEET SN FOR MORE INFORMATION.
 - FOUNDATION DRAWINGS PREPARED BY ENGINEER REFLECT THE STRUCTURAL REQUIREMENTS. DIMENSIONS ARE COPIED FROM THE ARCHITECTURAL PLANS. ACCURACY OF THE DIMENSIONS AND FINAL FIT OF THE BUILDING SHALL BE REVIEWED BY THE ARCHITECT AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
 - CONCRETE SLABS-ON-GRADE SHALL BE MIN. 4" THICK #3 BARS @ 18" O.C. EACH WAY. ALL SLAB REINFORCEMENT SHALL BE SUPPORTED ON CONCRETE CHAIRS OR BRICK TO INSURE THE DESIRED PLACEMENT IN SLAB.
 - SLABS-ON-GRADE SHOULD BE UNDERLAIN WITH A MOISTURE VAPOR BARRIER CONSISTING OF A LAMINATED VAPOR BARRIER WITH AT LEAST TWO INCH OF BASE SHOULD BE PLACED OVER AND UNDER THE MEMBRANE.

REVISIONS

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FOUNDATION PLAN

SCALE:

DRAWN BY: Y.J.

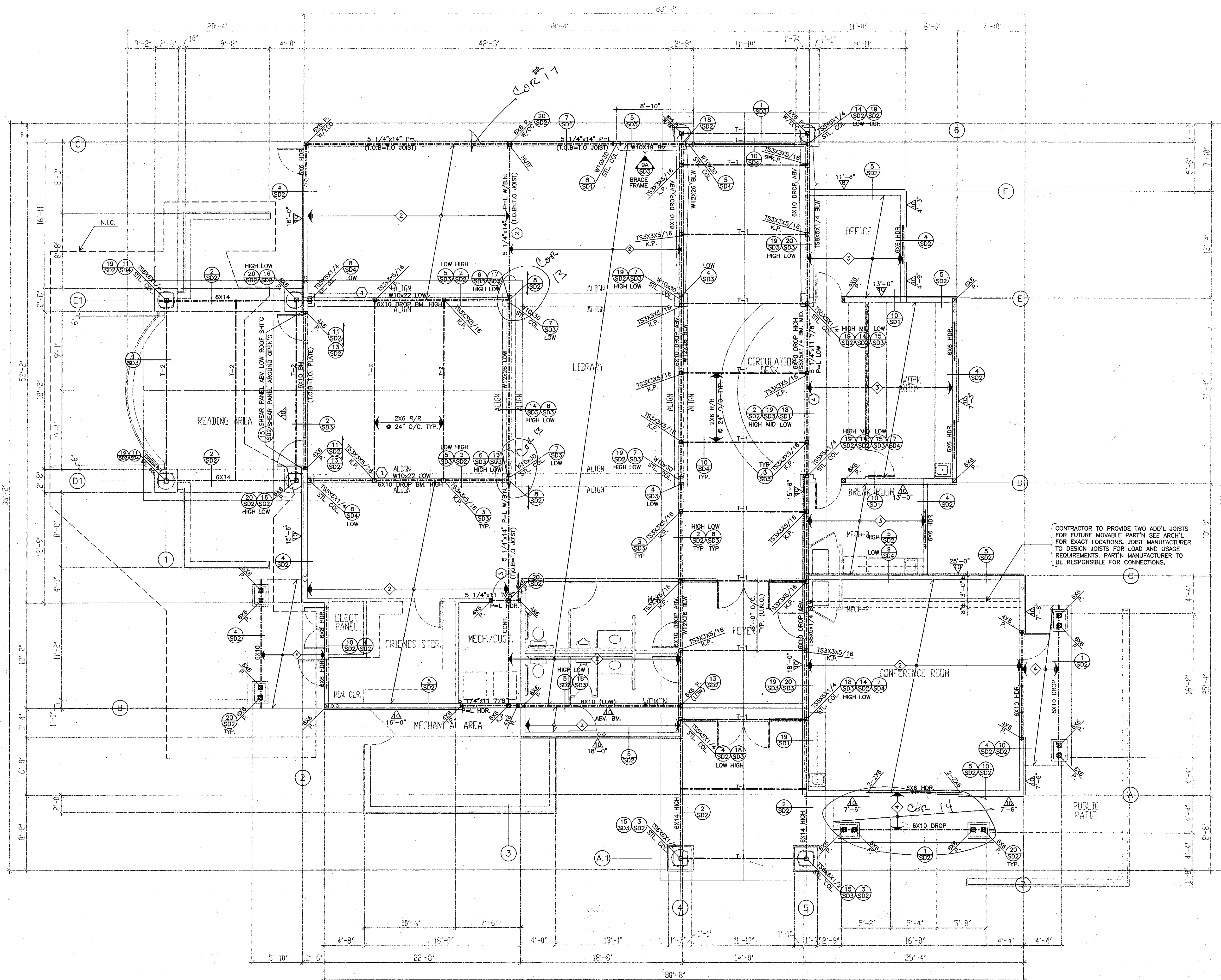
CHECKED BY: W.P.

JOB NUMBER: 0020

DATE: 6-9-2000

SHEET

S-1



ROOF FRAMING PLAN
SCALE 3/16" = 1'-0"

CONSTRUCTION SET

- FRAMING MEMBERS:**
- 2 14" TJI®/Pro™ 350 R/J @ 24" O/C.
 - 3 11 7/8" TJI®/Pro™ 250 R/J @ 24" O/C.
 - 4 4X8 R/R @ 48" O/C.

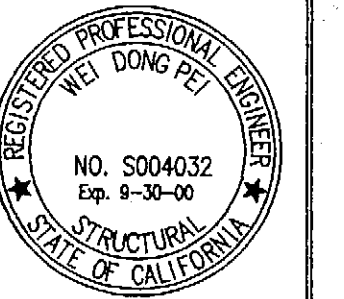
SYMBOLS & LEGENDS

- COLUMN OR TRIMMER AS NOTED
- ↔ SPAN AND DIRECTION OF ROOF FRAMING MEMBER PER SCHEDULE
- ▽ SHEAR PANEL NUMBER, MIN. LENGTH NOTED, REFER TO SHEET SN FOR PANEL TYPE
- DETAIL NUMBER
- DETAIL SHEET NUMBER
- BEAM NUMBER, REFER TO STRUCTURAL CALCS.

FRAMING NOTES

- REFER TO STRUCTURAL GENERAL NOTES SHEET SN FOR MORE INFORMATION.
- ALL GLU-LAM BEAMS SHALL BE 24F V4 DF/DF U.N.O.
- MULTIPLE ELEMENT MEMBERS (i.e. DBL JOISTS, DBL STUDS, etc.) SHALL BE NAILED TOGETHER W/ 16d's @ 16" O.C. STAGGERED. BEAMS COMPOSED OF MULTIPLE PIECES (4X OR LARGER) SHALL BE BOLTED TOGETHER W/ 1/2" M.B.'S @ 12" O/C., STAG'D.
- ALL INTERIOR NON-BEARING, NON-SHEAR WALLS SHALL BE 2X6 STUDS @ 24" O.C., U.N.O. OTHER STUDS SHALL BE 2X6 MIN. @ 16" O/C. U.N.O.
- U.N.O. PROVIDE SOLID BLOCKING OR DBL JOIST UNDER ALL SECOND FLOOR WALLS.
- WHERE HANGERS ARE NEEDED, WHETHER INDICATED ON PLAN OR NOT, U.N.O., USE "U" OR "LB" HANGERS FOR JOISTS/RAFTERS, & "HU" HANGERS FOR BEAMS OR MULTIPLE JOISTS.
- WHERE SHEAR WALLS ARE THRU WALLS AS INDICATED ON PLANS, SHEAR MATERIAL SHALL BE CONT. THRU WALLS.
- ALL POSTS/MULTIPLE STUDS IN WALLS SHALL RECEIVE EDGE NAILING FROM WALL SHEATHING. ALL BM'S, DRAGS GIRDER TRUSSES SHALL RECEIVE BOUNDARY NAILING FROM SHEATHING.
- SEE SHIT. S-3 FOR ROOF TRUSS DESIGN.

REVISIONS



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ROOF FRAMING PLAN

SCALE:

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Y.J.

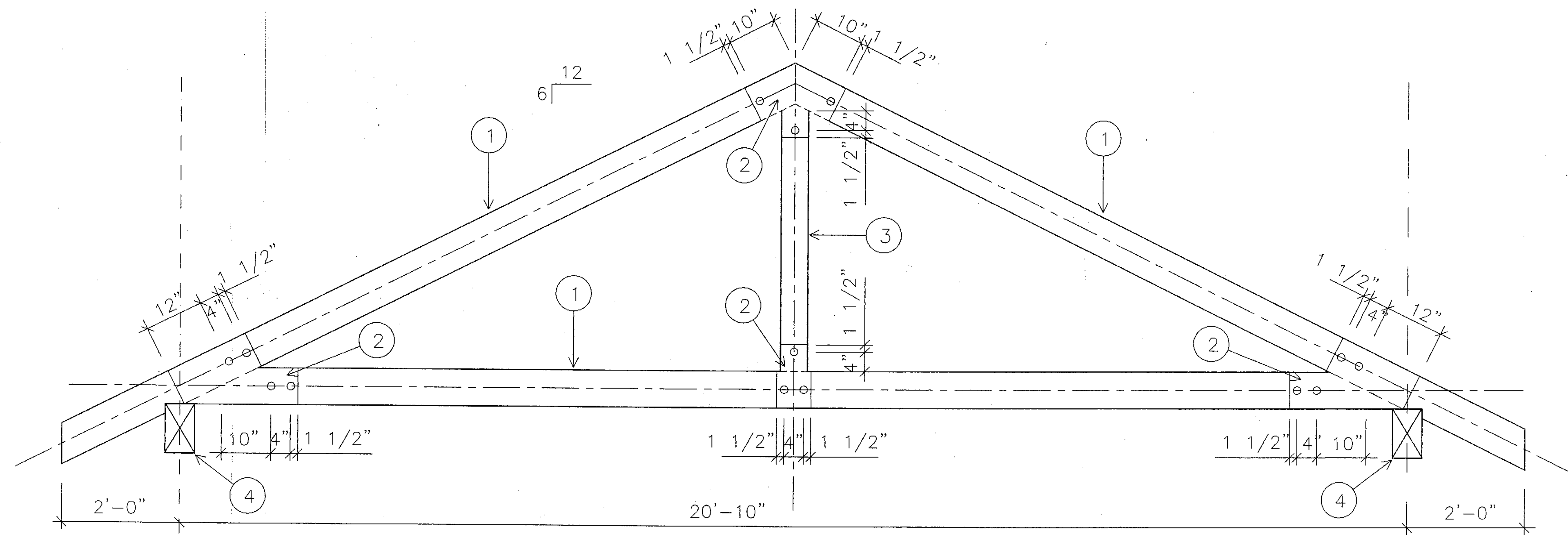
CHECKED BY:
W.P.

JOB NUMBER:
0020

DATE:
6-9-2000

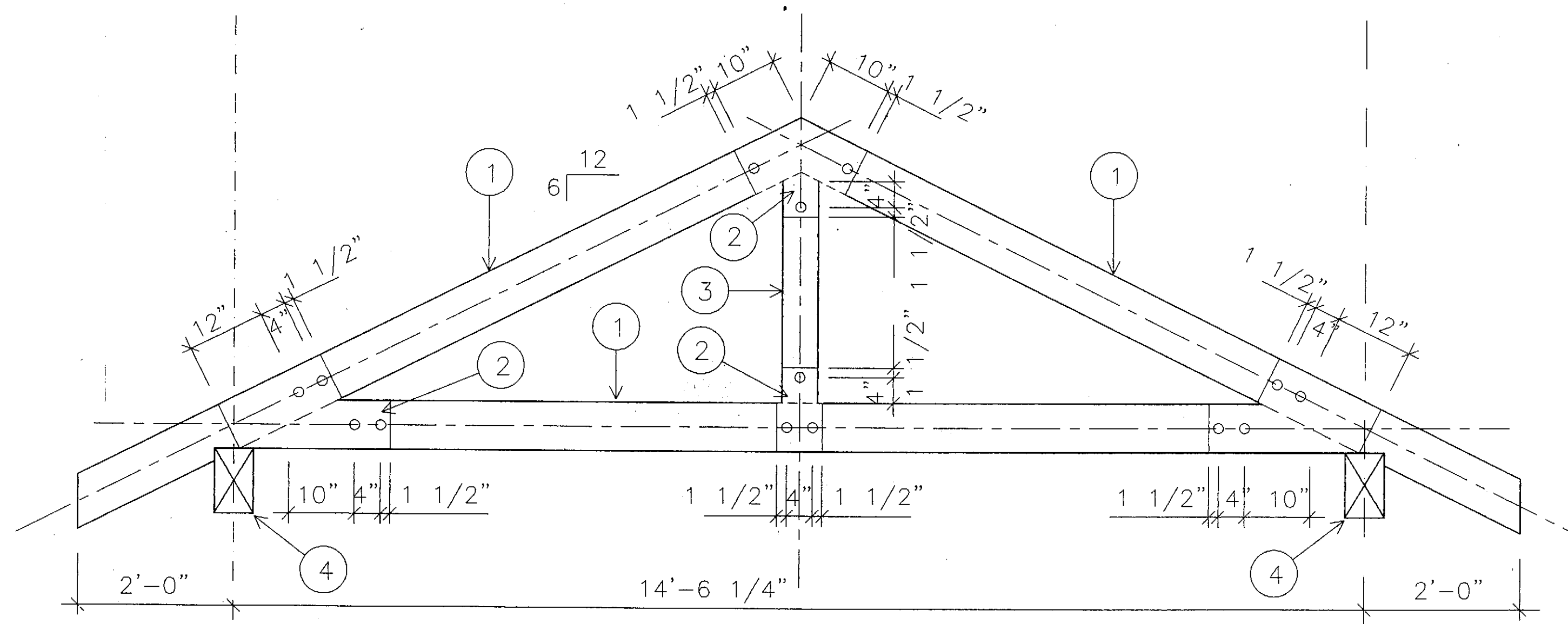
SHEET

S-2



- 1- 6X8 TOP CHORD & BOT CHORD.
- 2- 1/4" THK. STL. GUSSET PLATE AT BOTH SIDES W/1"Ø M.B.'S AS SHOWN.
- 3- 4X6 WEB.
- 4- DROP BM PER PLAN

TRUSS ELEVATION (T-2)
SCALE: 3/4"=1'-0"

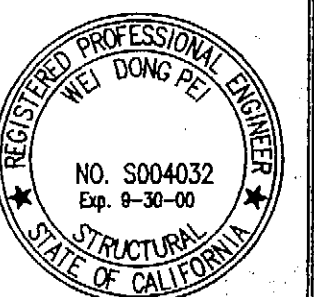


- 1- 6X8 TOP CHORD & BOT CHORD.
- 2- 1/4" THK. STL. GUSSET PLATE AT BOTH SIDES W/1"Ø M.B.'S AS SHOWN.
- 3- 4X6 WEB.
- 4- DROP BM PER PLAN

TRUSS ELEVATION (T-1)
SCALE: 3/4"=1'-0"

CONSTRUCTION SET

REVISIONS



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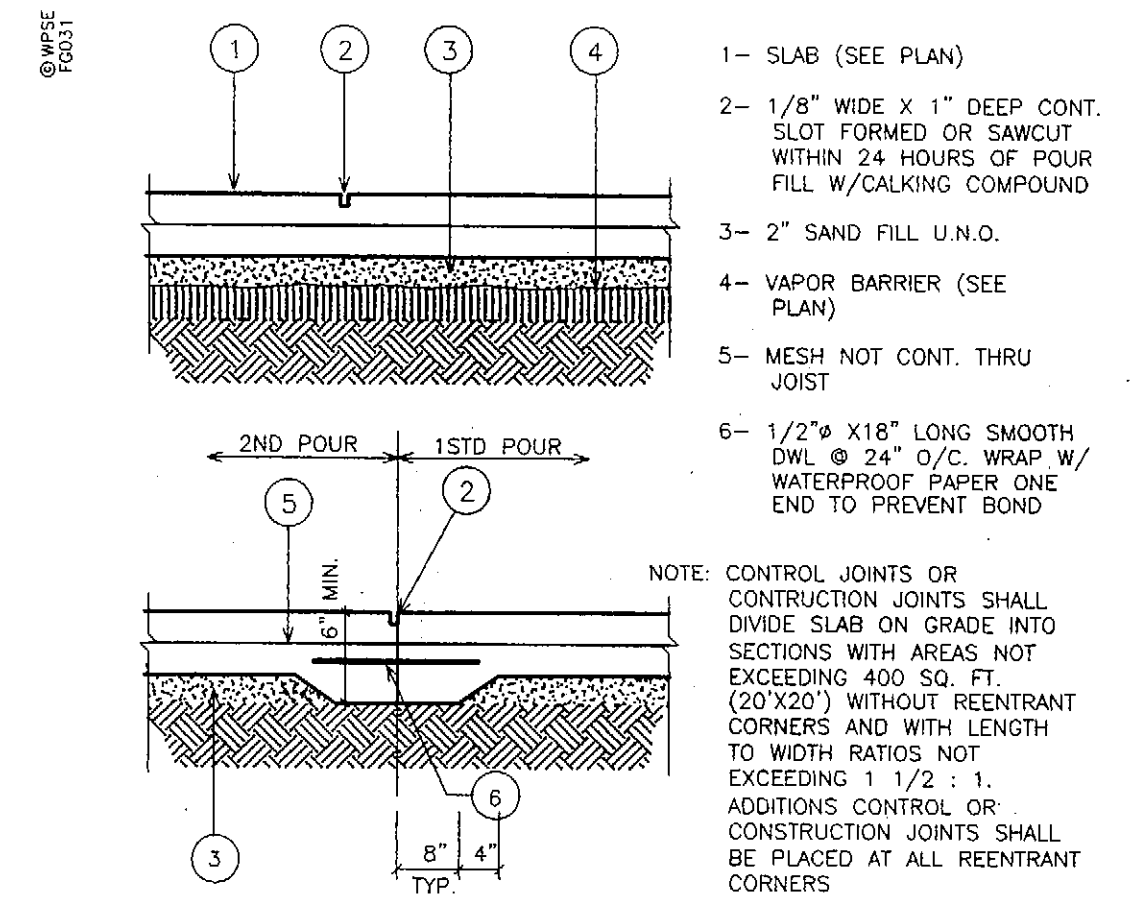
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500 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

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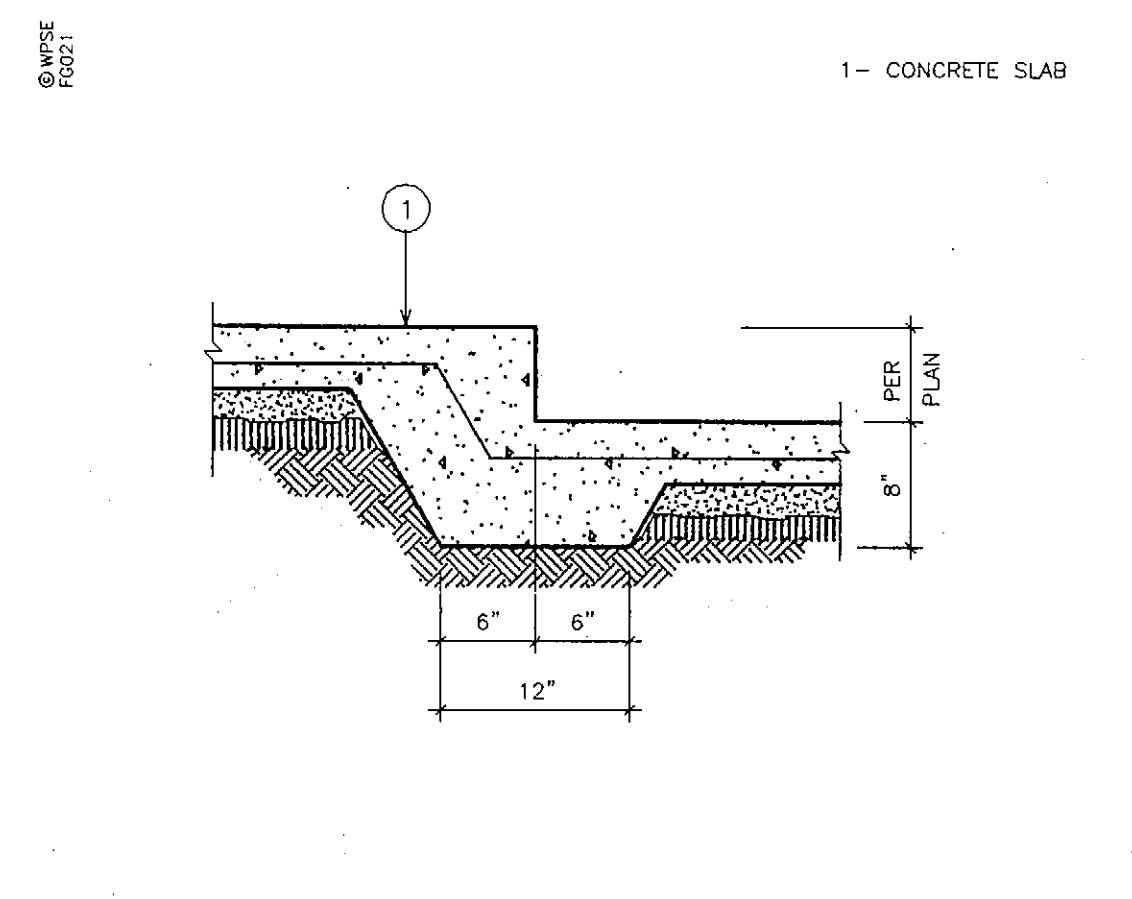
TRUSS
ELEVATIONS

SCALE:
DRAWN BY:
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CHECKED BY:
W.P.
JOB NUMBER:
0020
DATE:
6-9-2000
SHEET

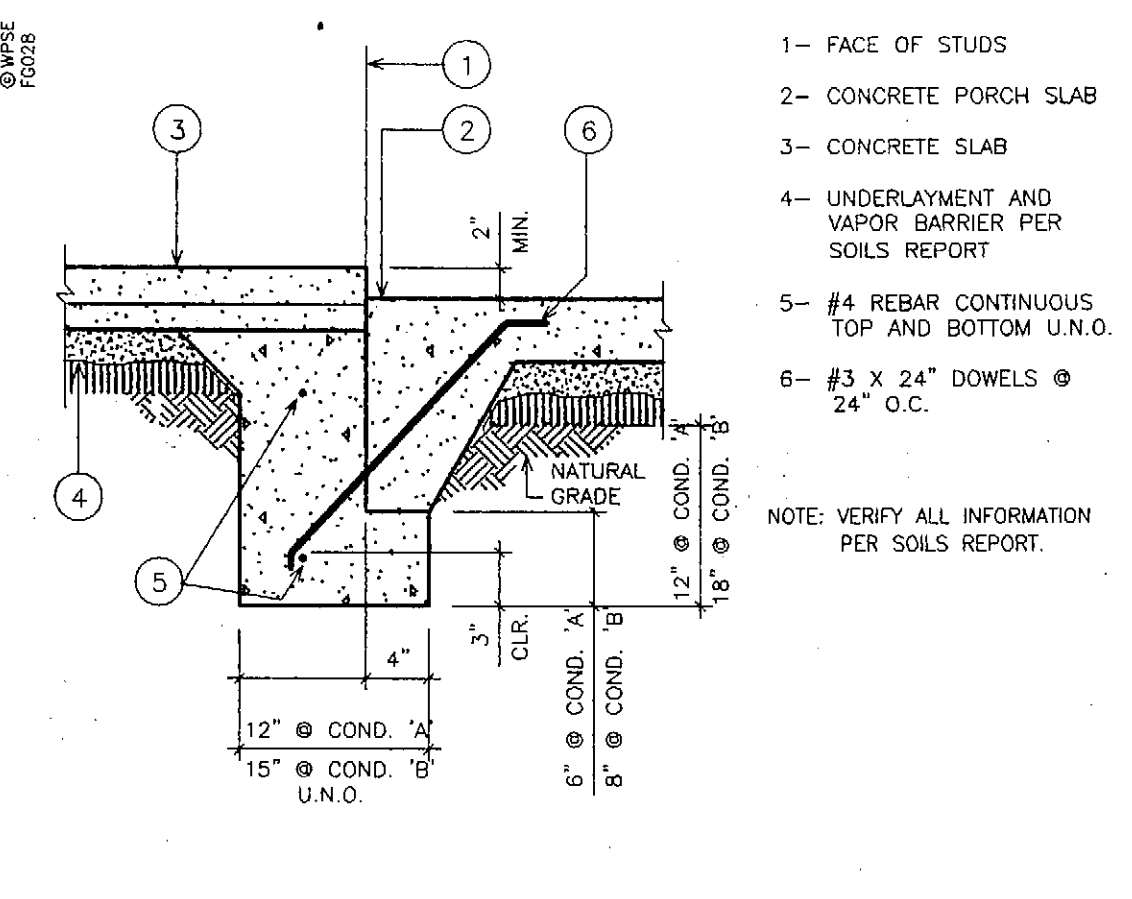
S-3



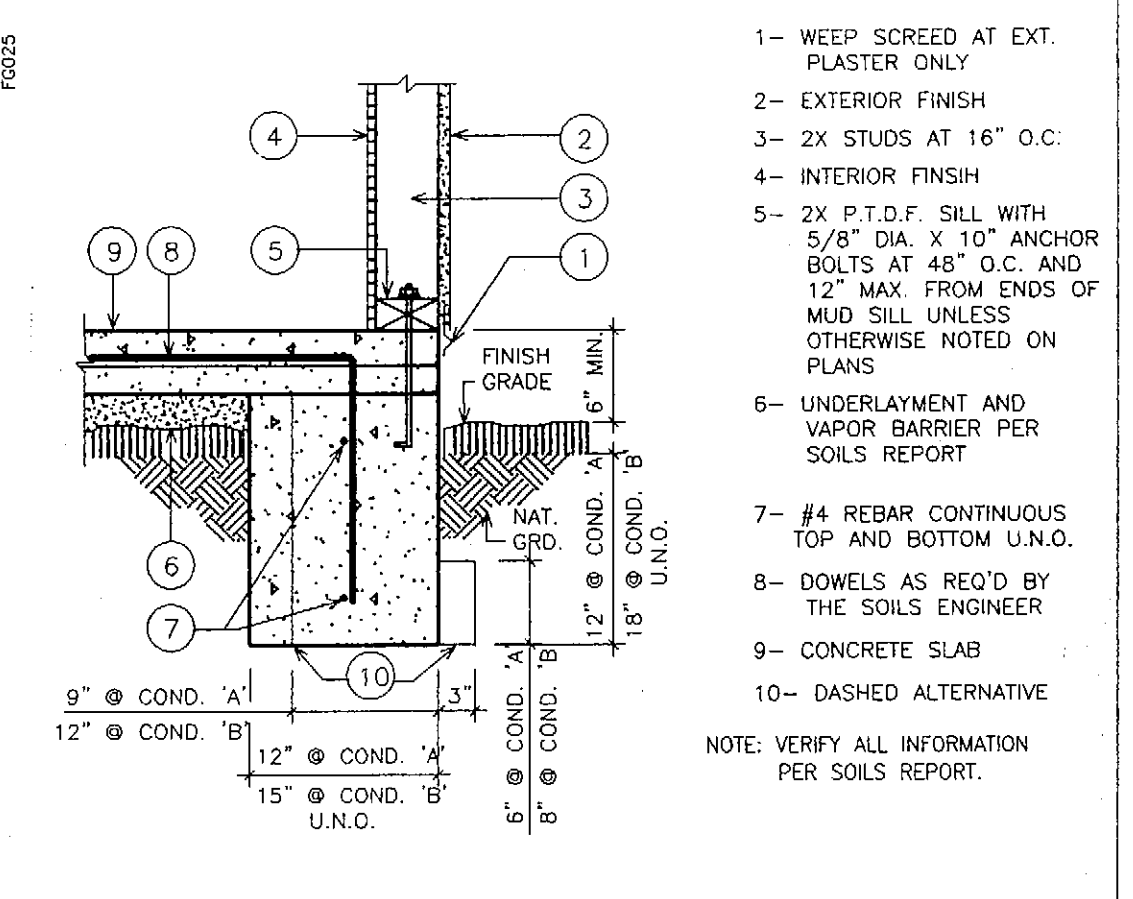
TYPICAL CONSTRUCTION/CONTROL JOINT 17



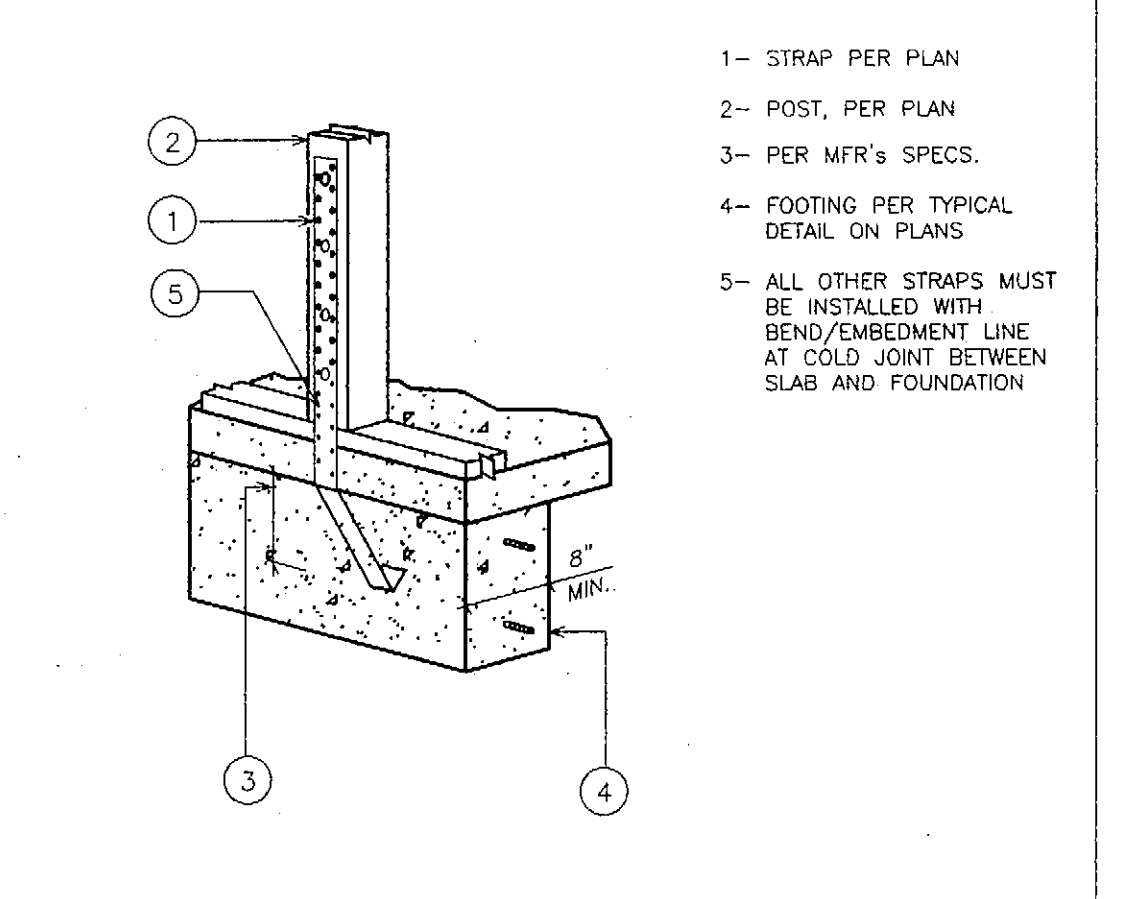
STEP AT CONCRETE SLAB 13



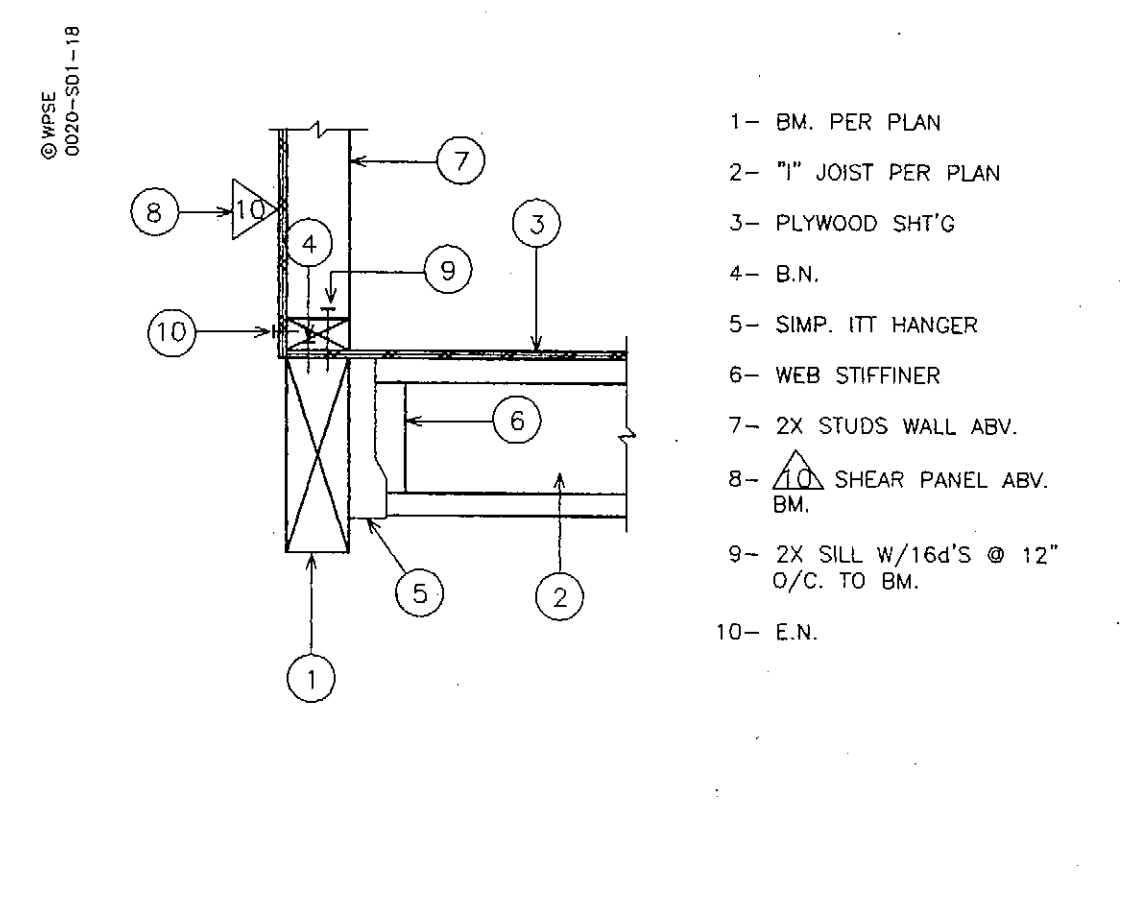
FOUNDATION DETAIL 9



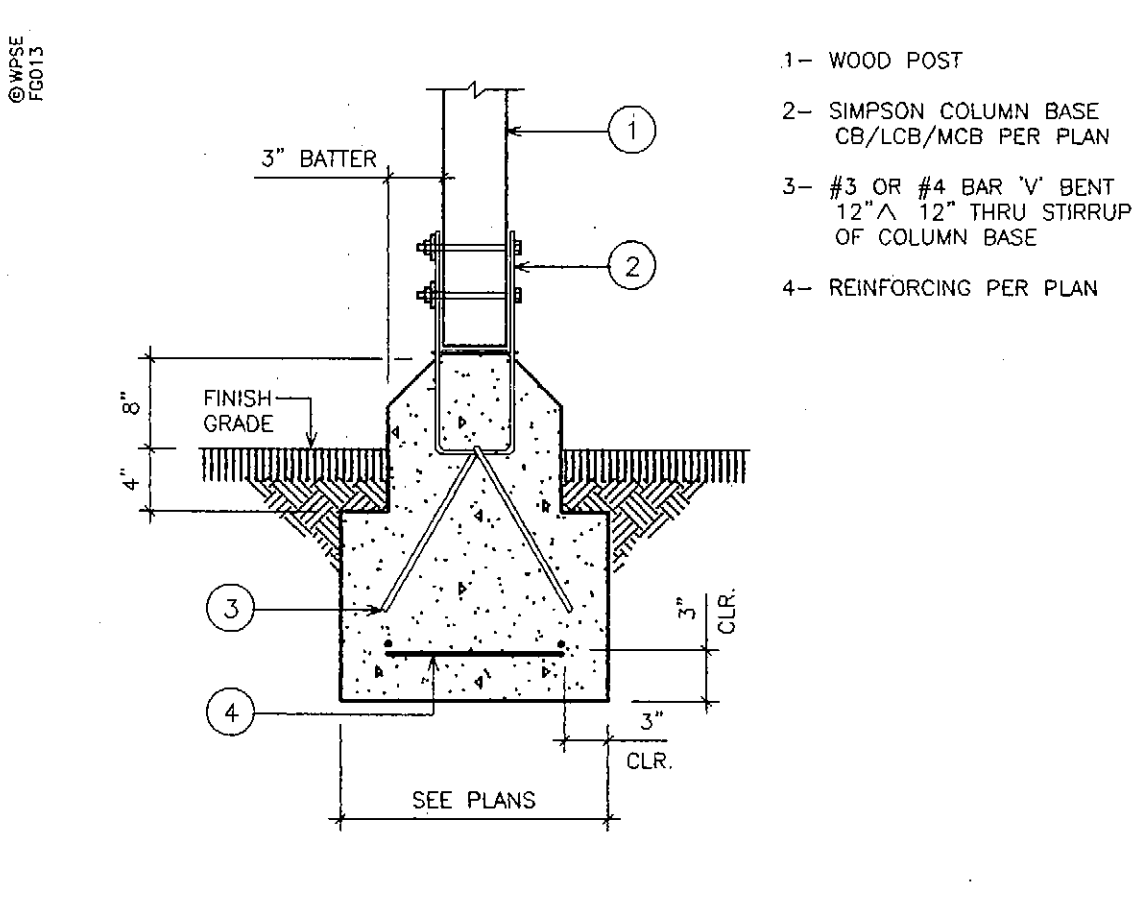
EXTERIOR BEARING FOOTING 5



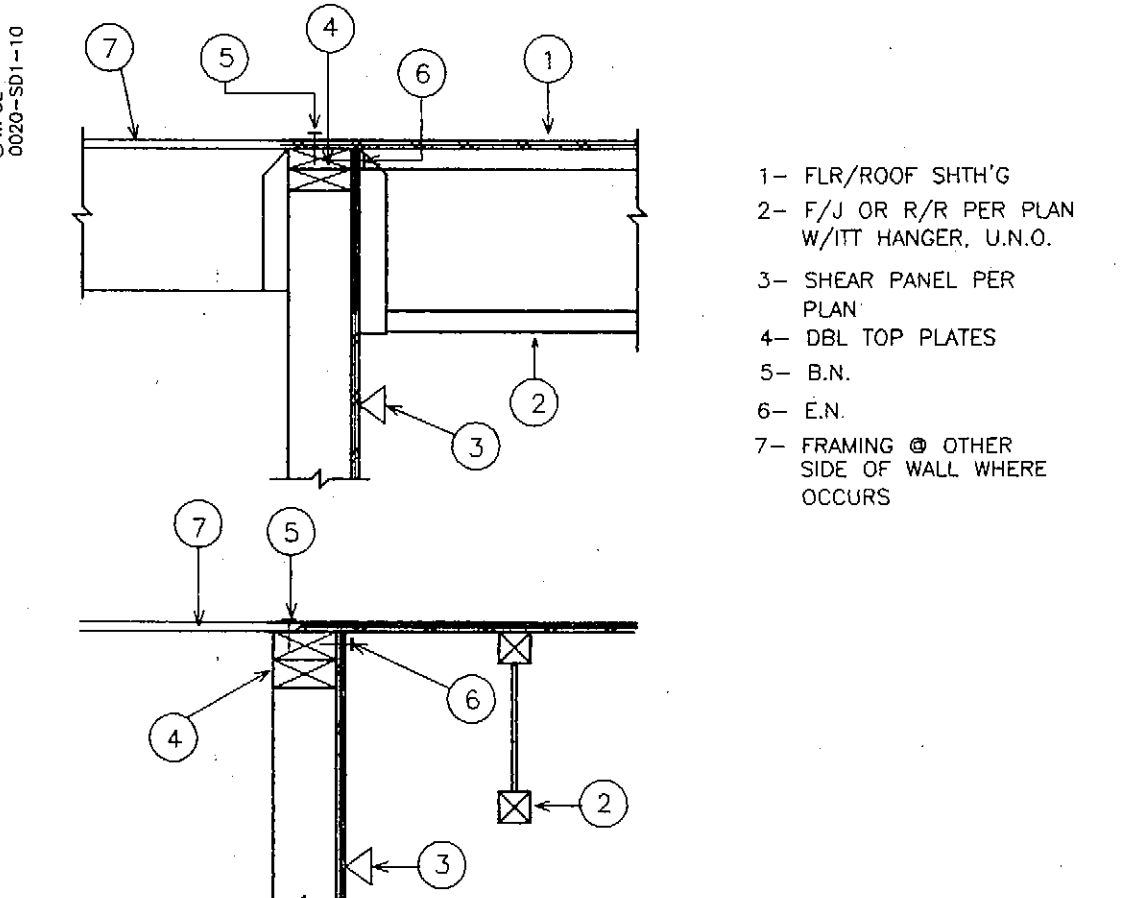
HOLDOWN STRAP INSTALLATION 1



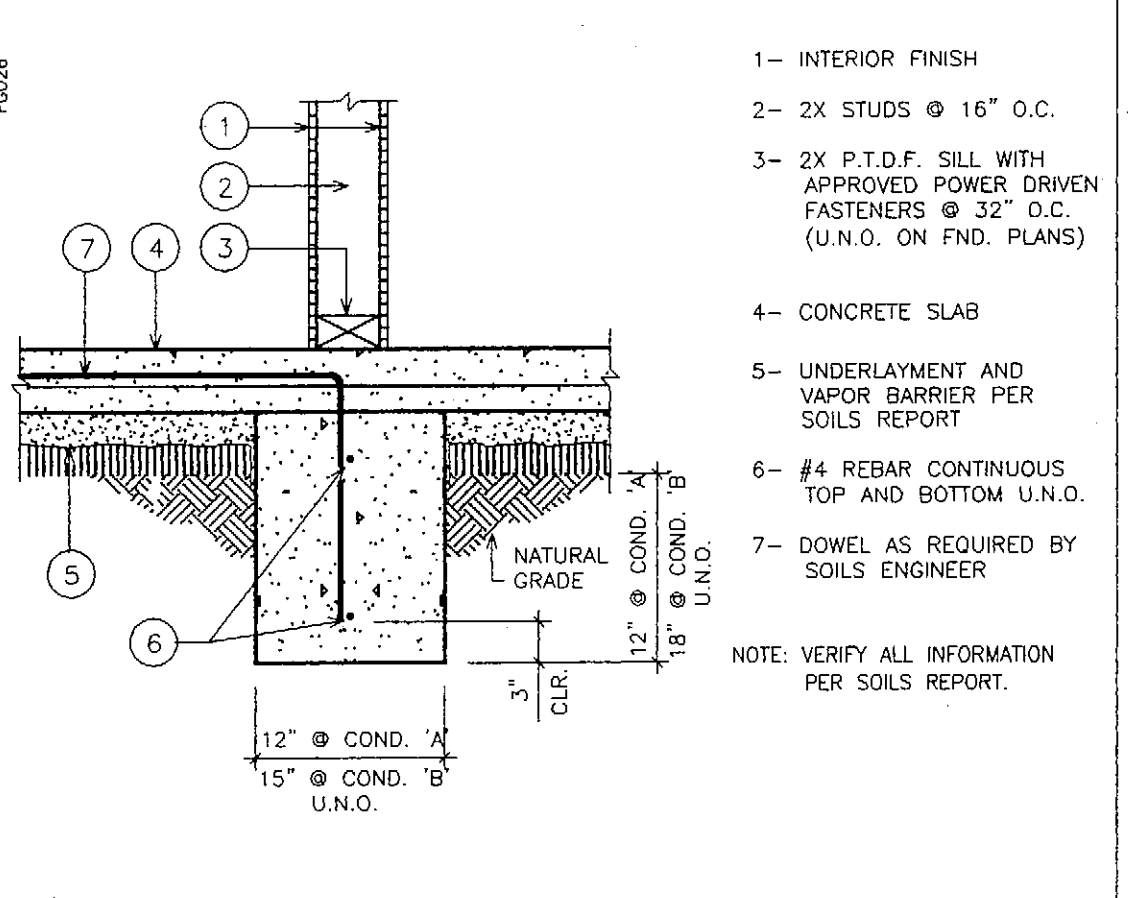
SHEAR TRANSFER 18



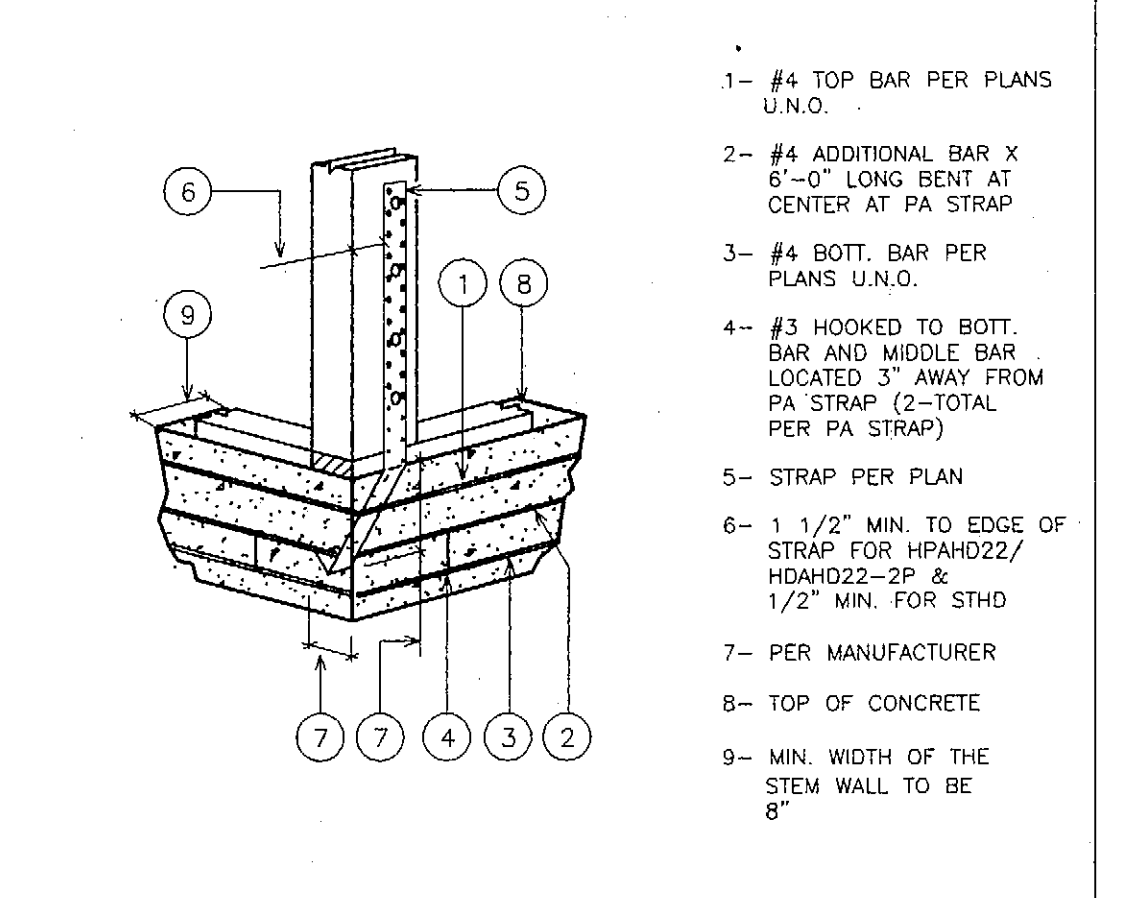
COLUMN BASE AND EXT. PAD 14



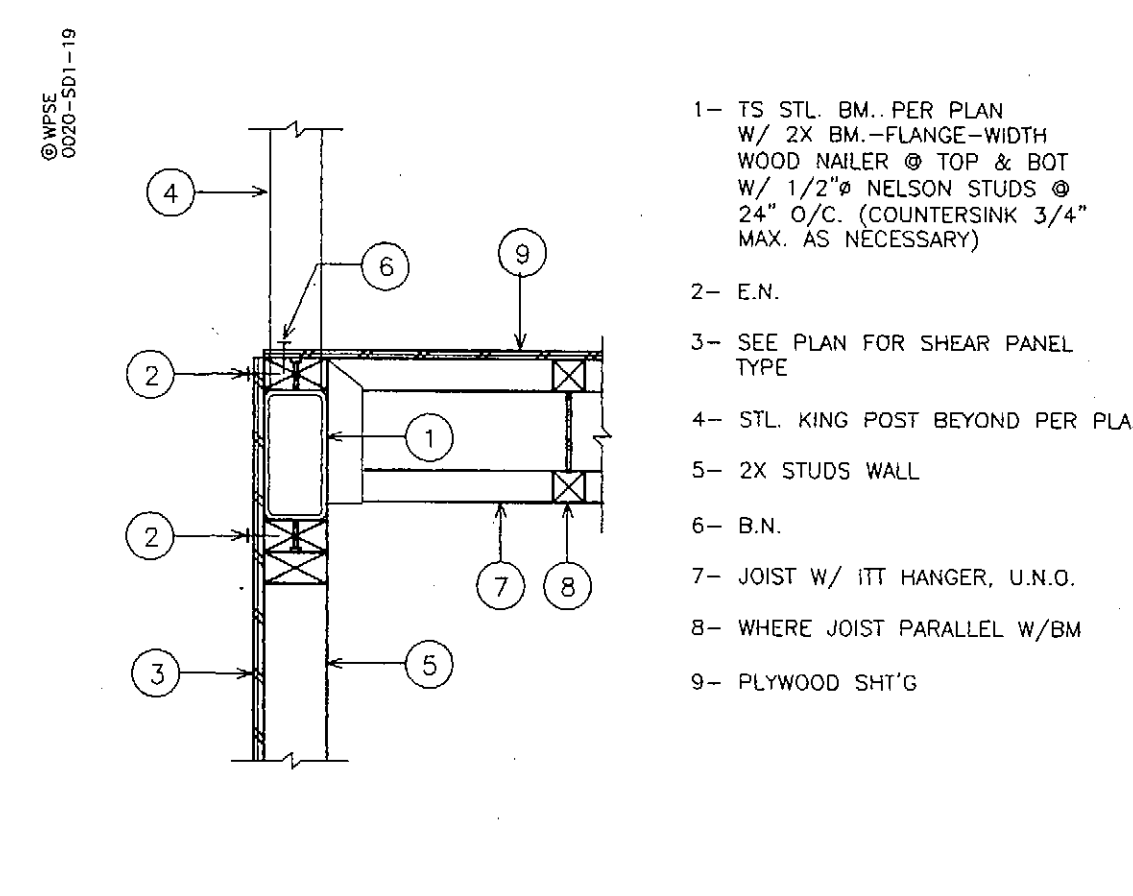
SHEAR TRANSFER 10



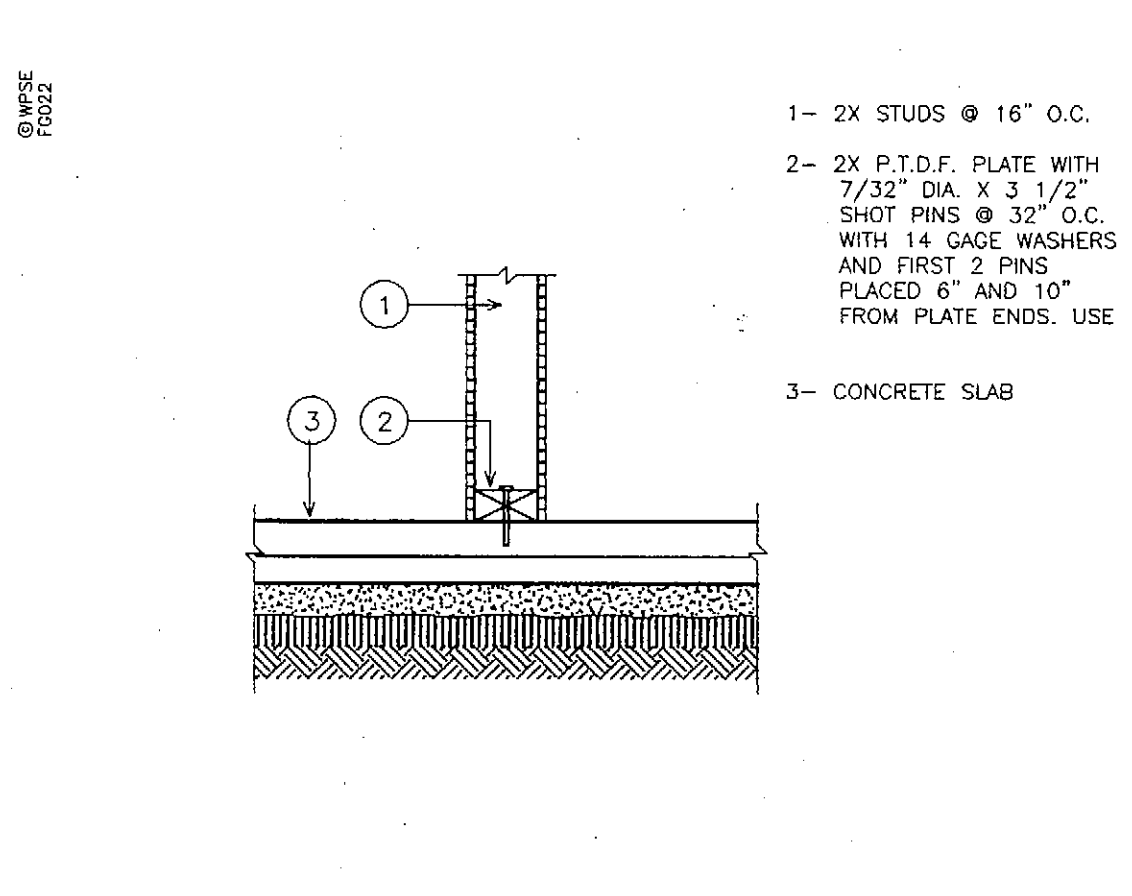
INTERIOR BEARING FOOTING 6



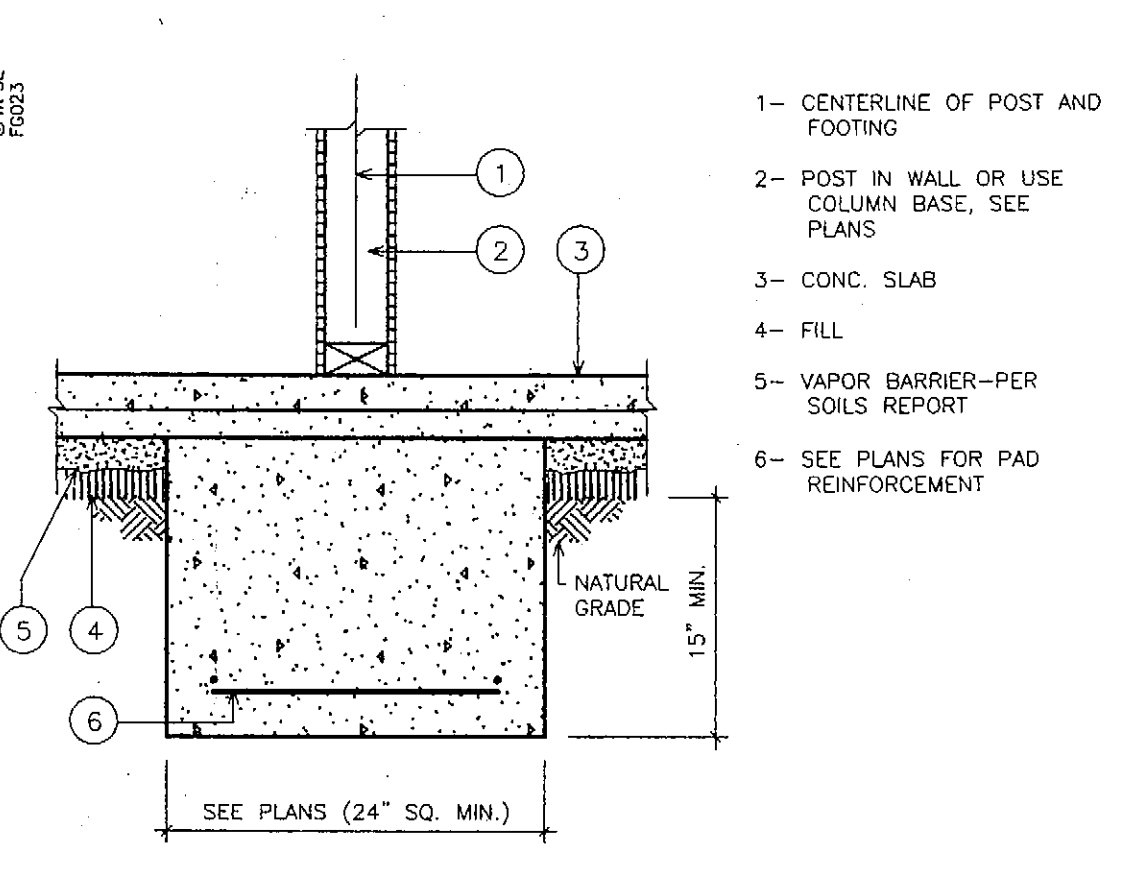
HOLDOWN INSTALLATION AT CORNER 2



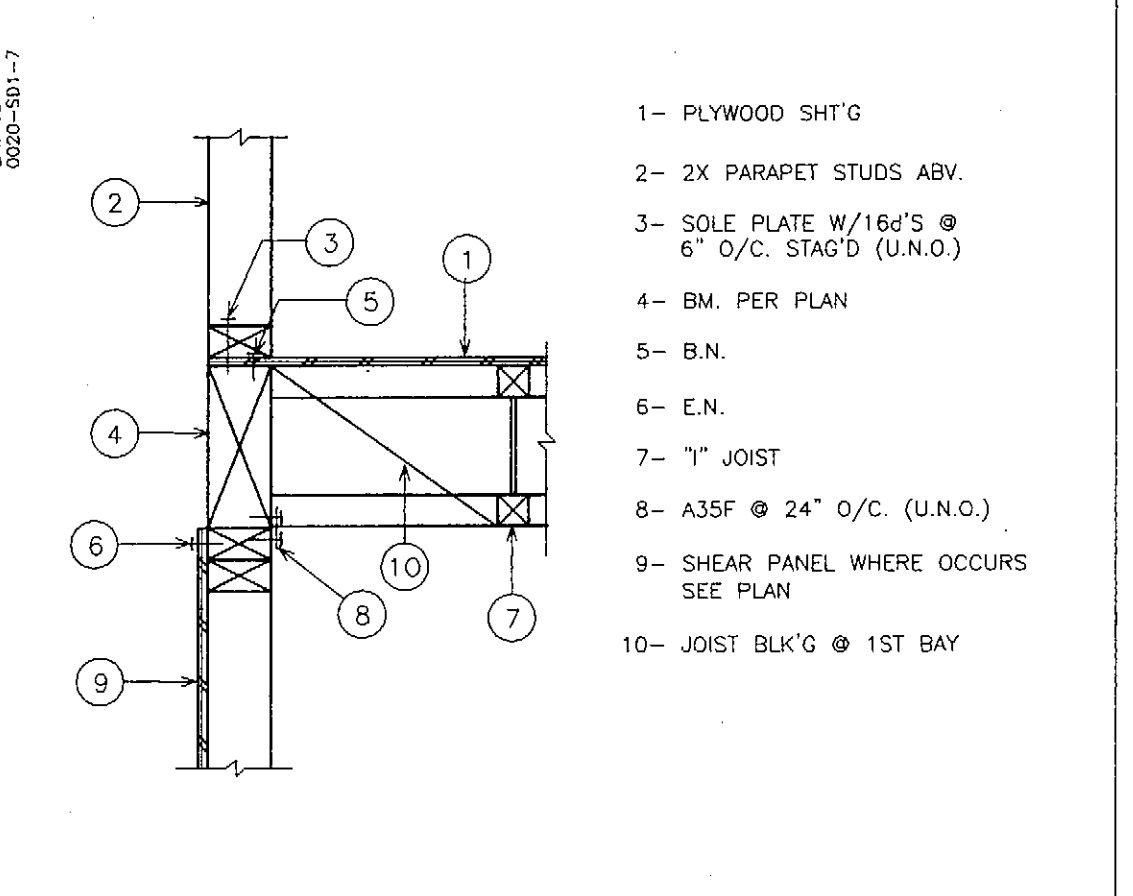
FRAMING DETAIL 19



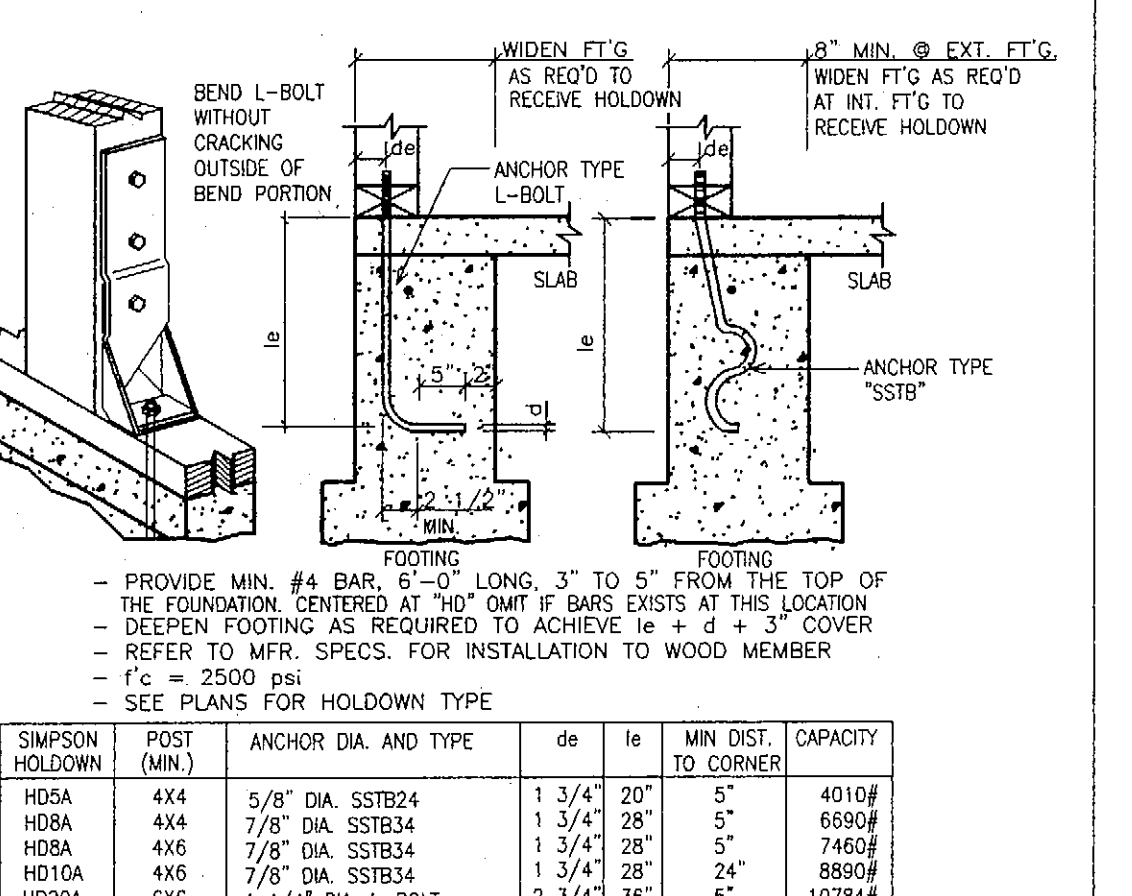
NON-BEARING INT. WALL - TYP. 15



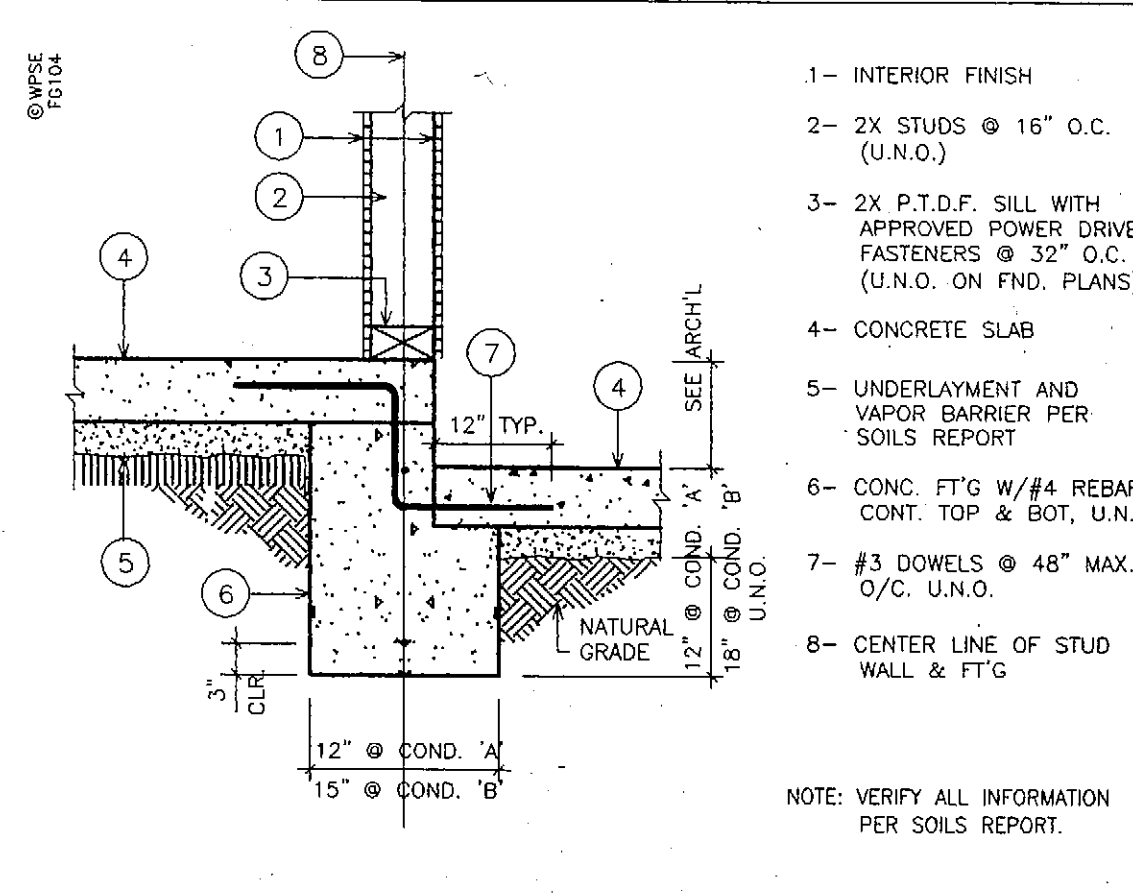
ISOLATED INTERIOR PAD FOOTING 11



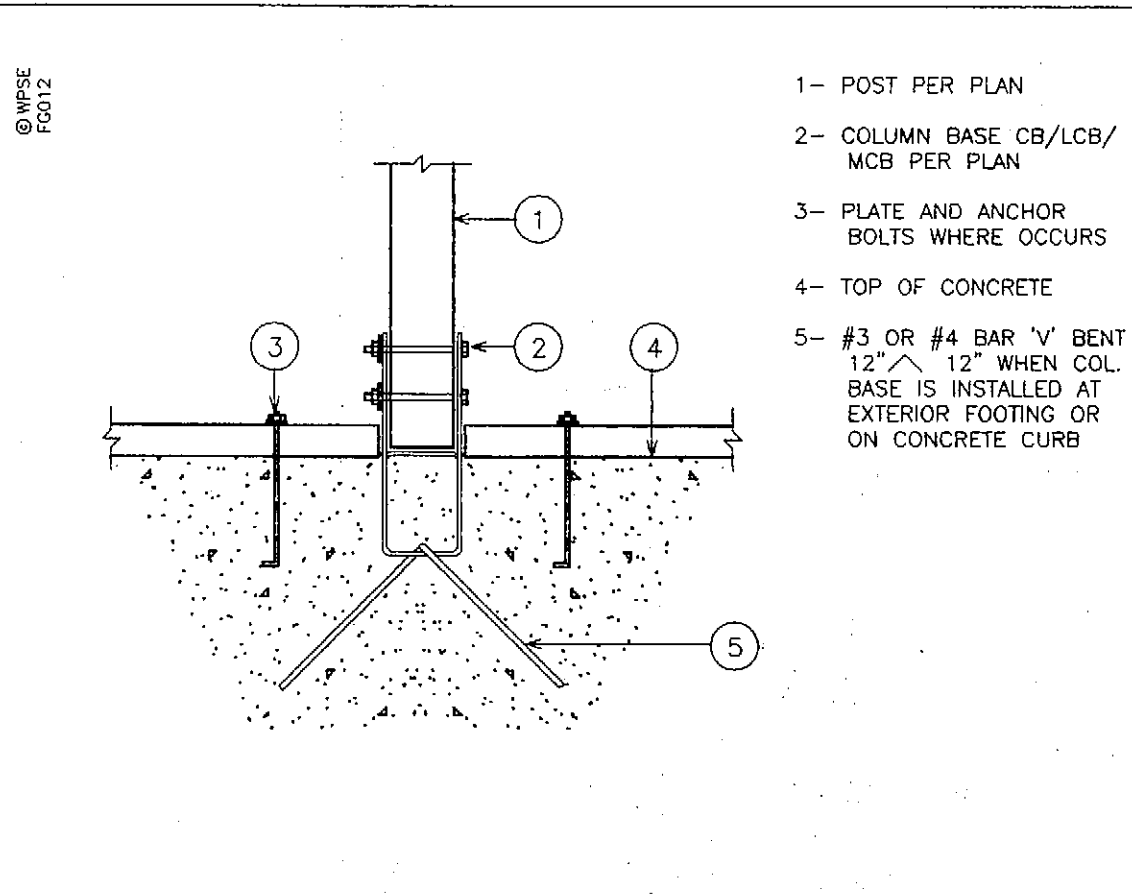
SHEAR TRANSFER 7



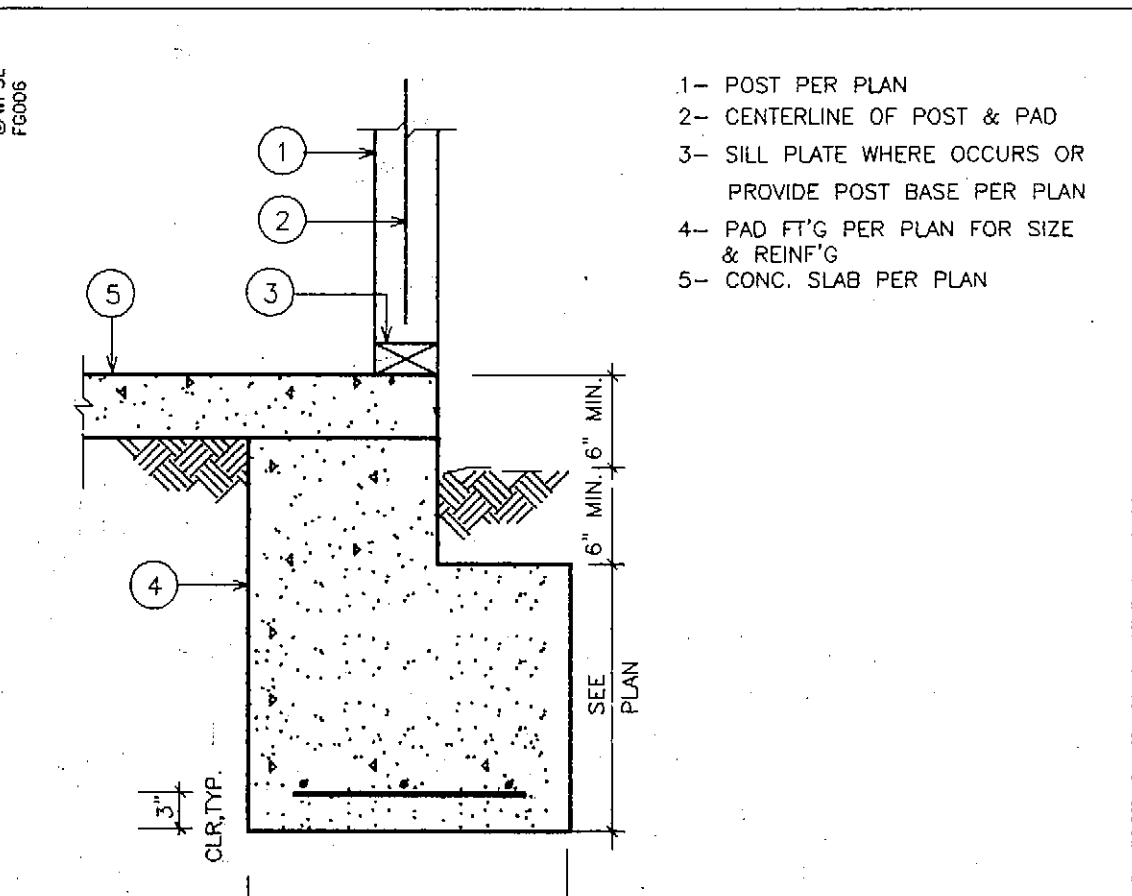
TYPICAL HOLDOWN INSTALLATION (TWO FOUR) 3



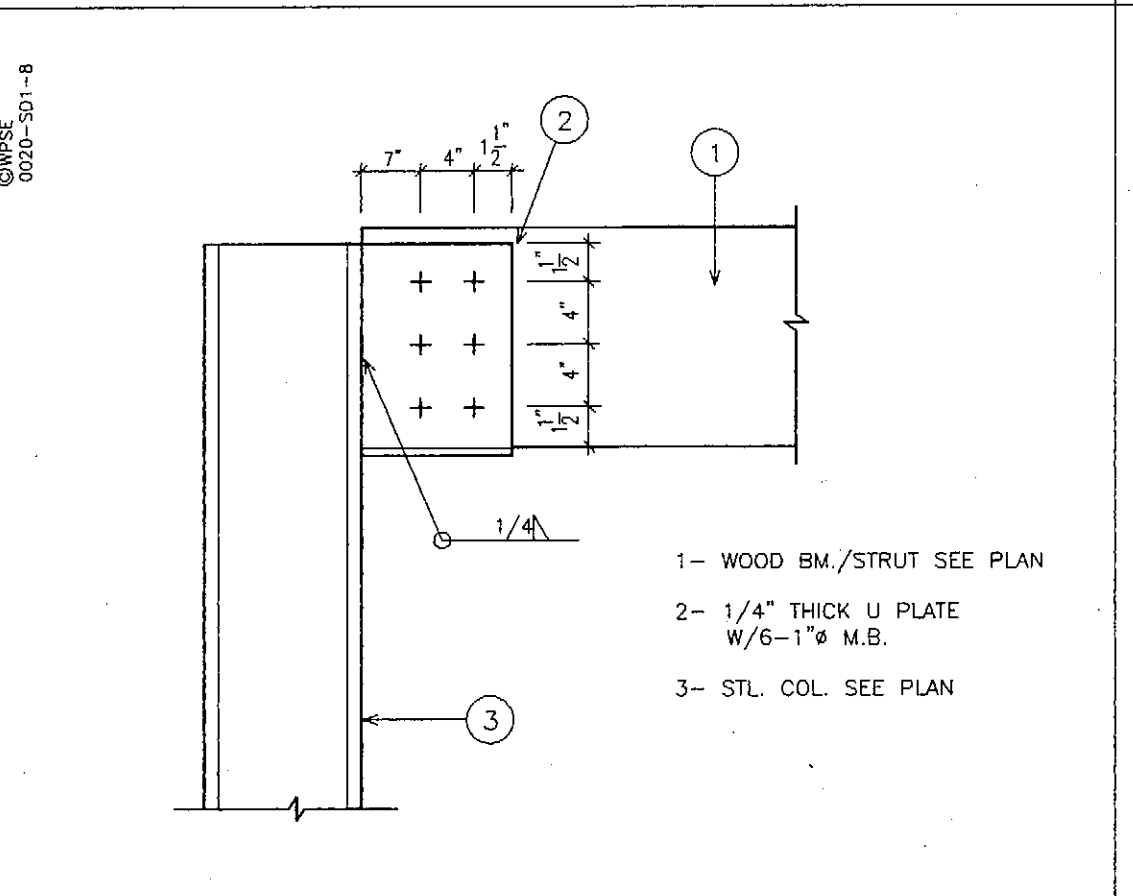
INTERIOR FOOTING @ STEP 20



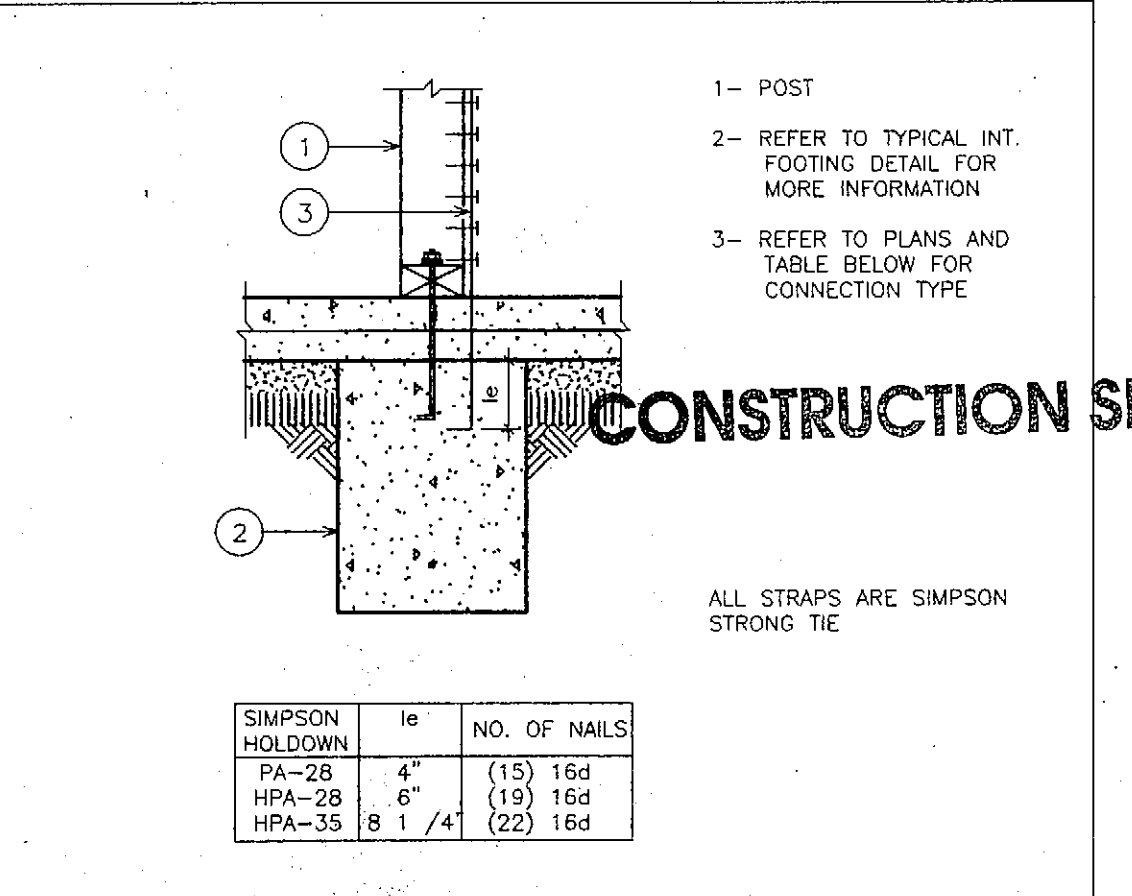
COLUMN BASE 16



PAD AT EXTERIOR FT'G 12



WOOD DRAG TO STL COL 8



HOLDOWN AT INTERIOR FOOTING 4

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
WEI PEI
No. S004032
Exp. 9-30-00
STATE OF CALIFORNIA

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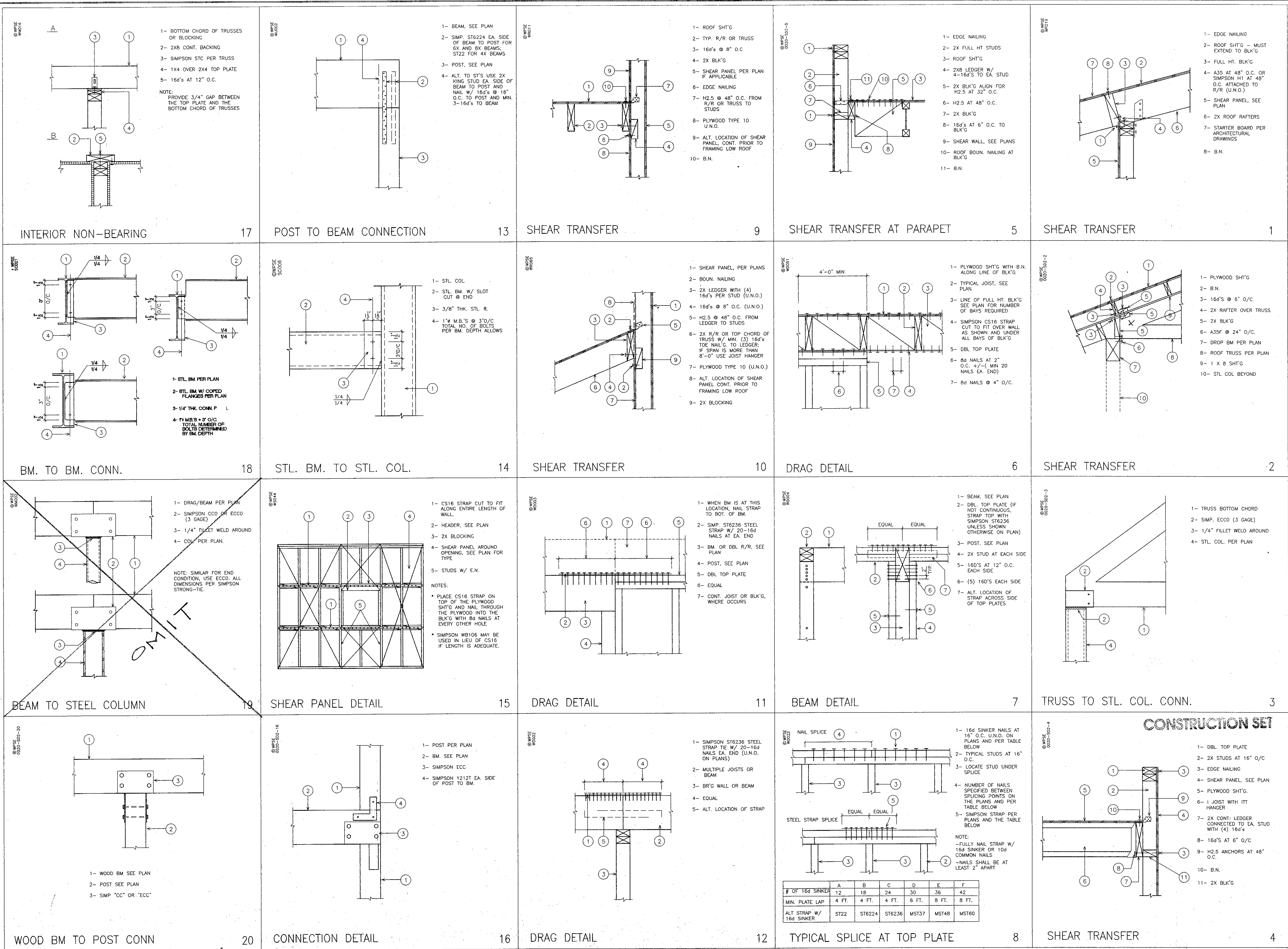
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STRUCTURAL DETAILS

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SHEET

SD1



REVISIONS



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**STRUCTURAL
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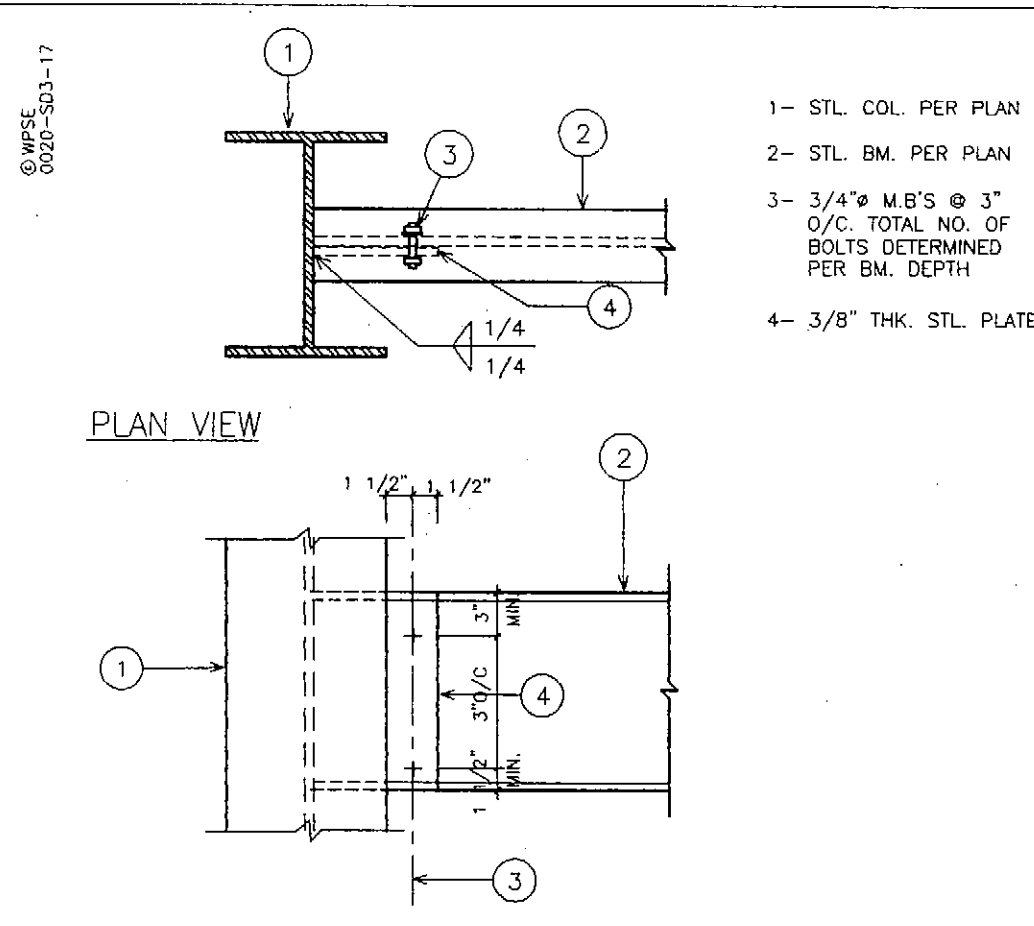
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DATE:

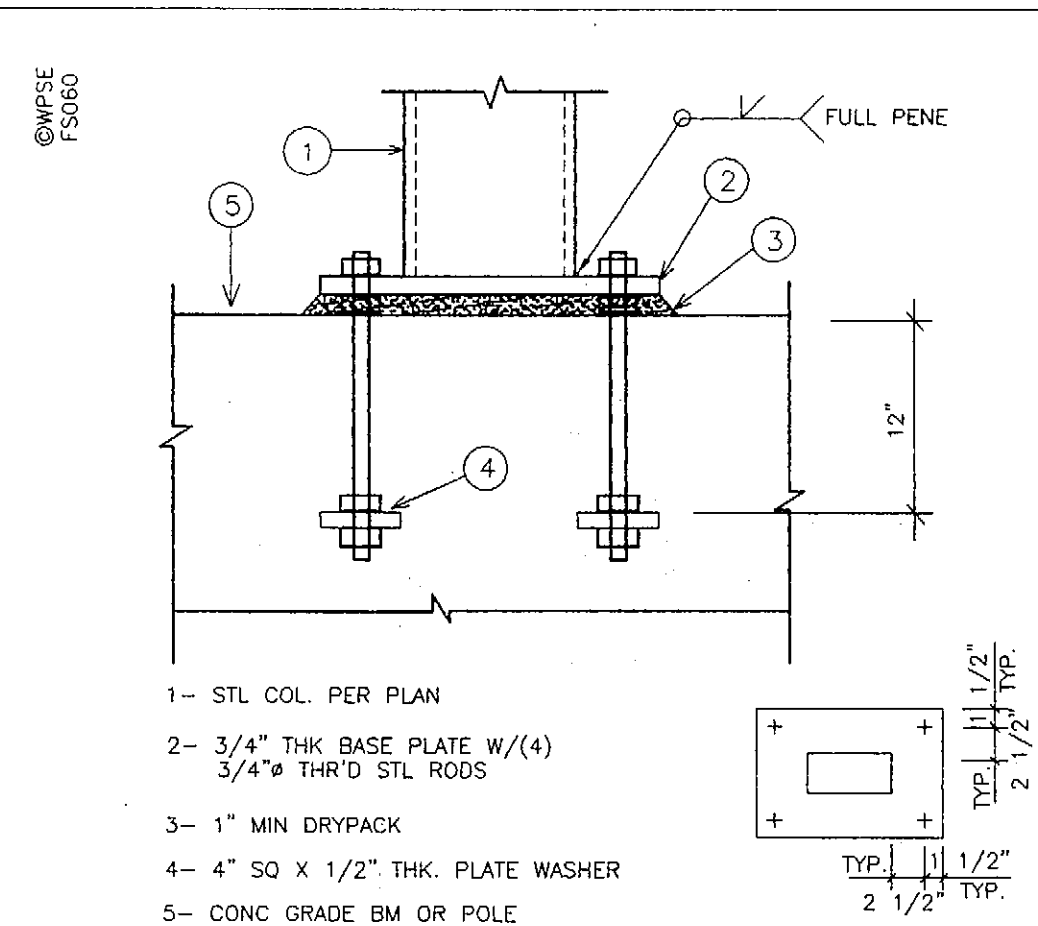
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SHEET

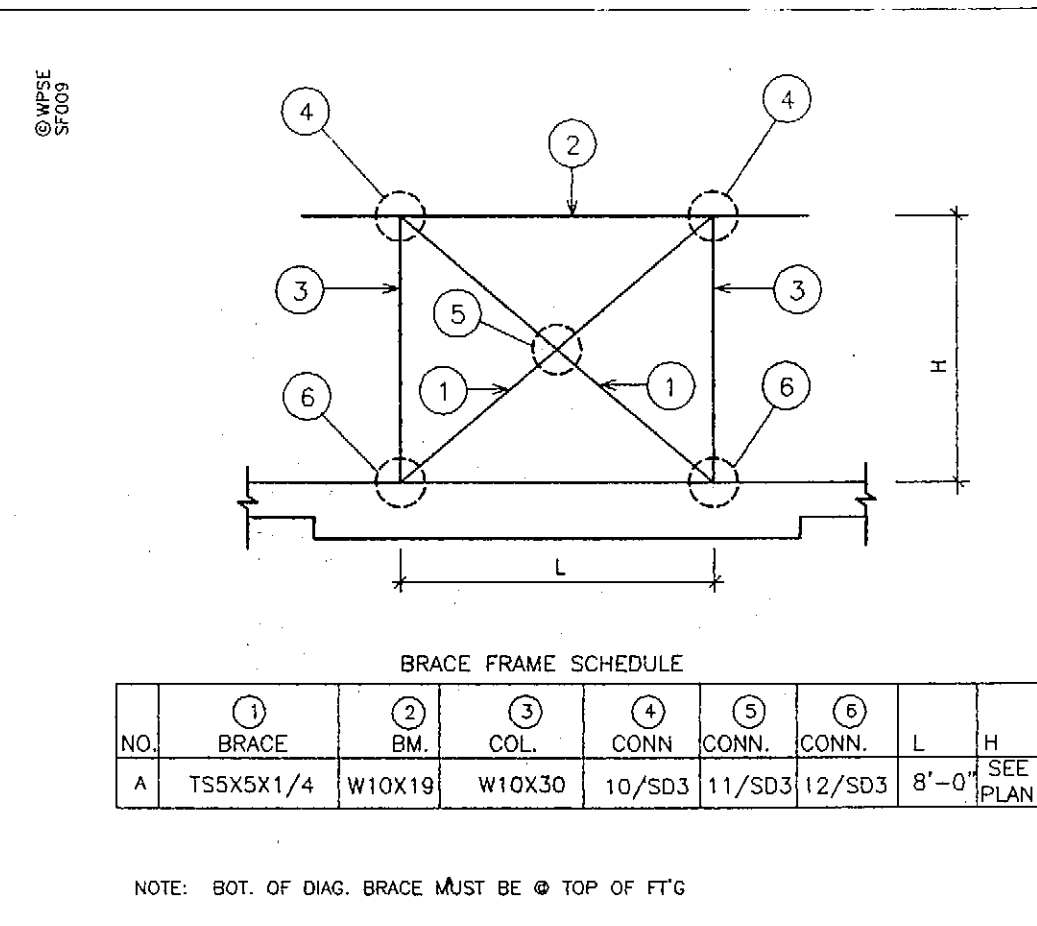
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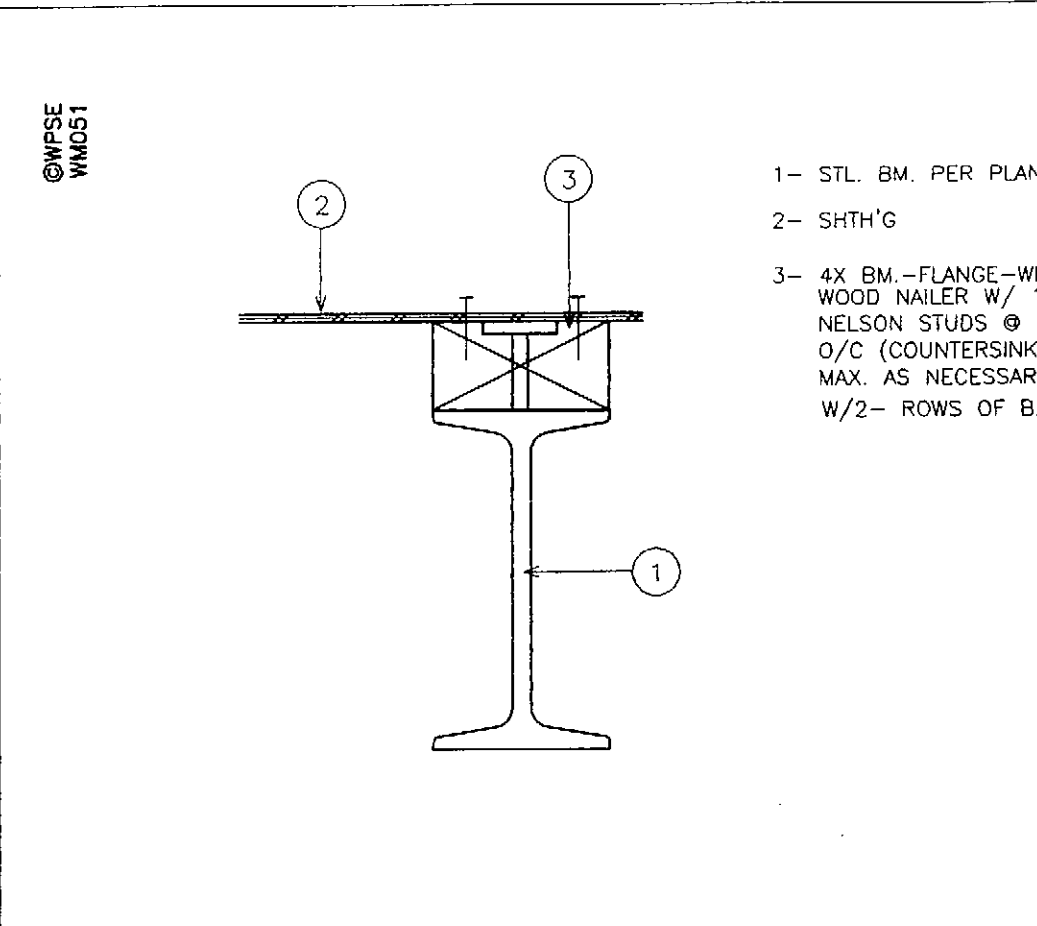
STL BM. TO STL. COL. CONN. 17



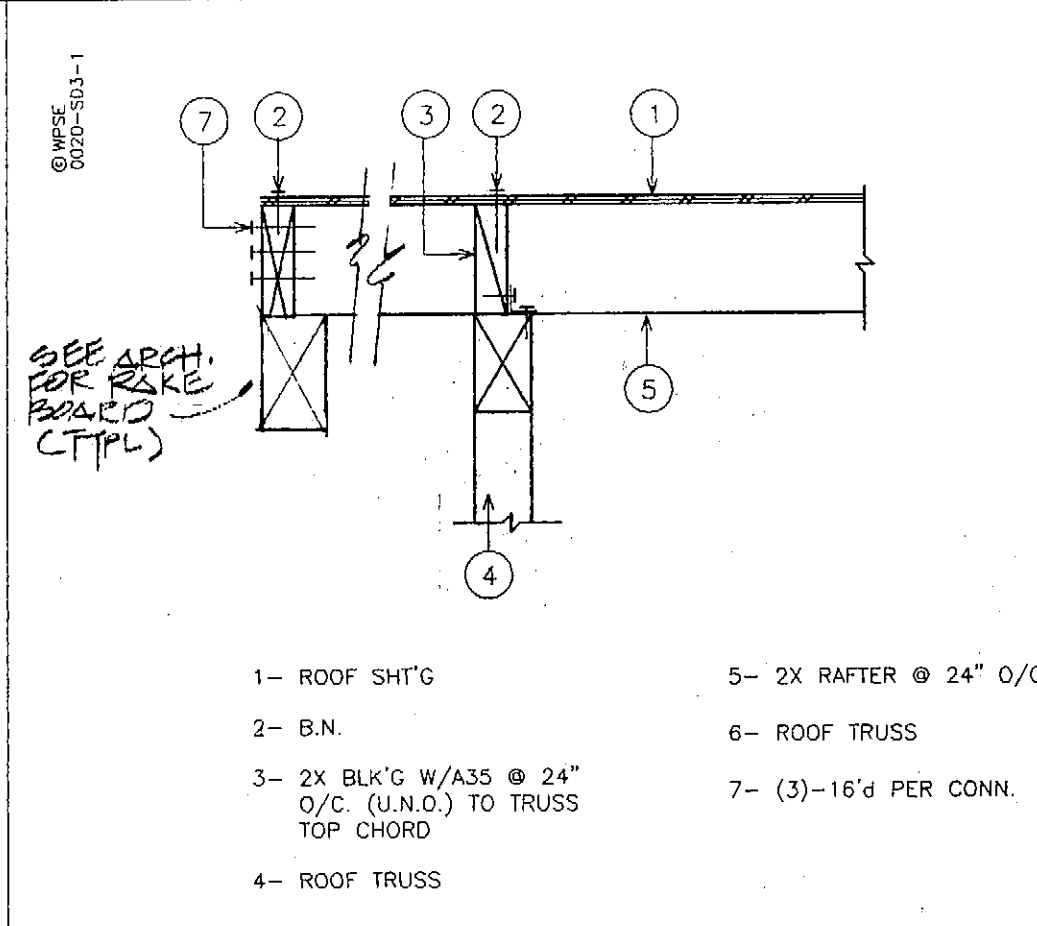
STL. COL. TO FT'G 13



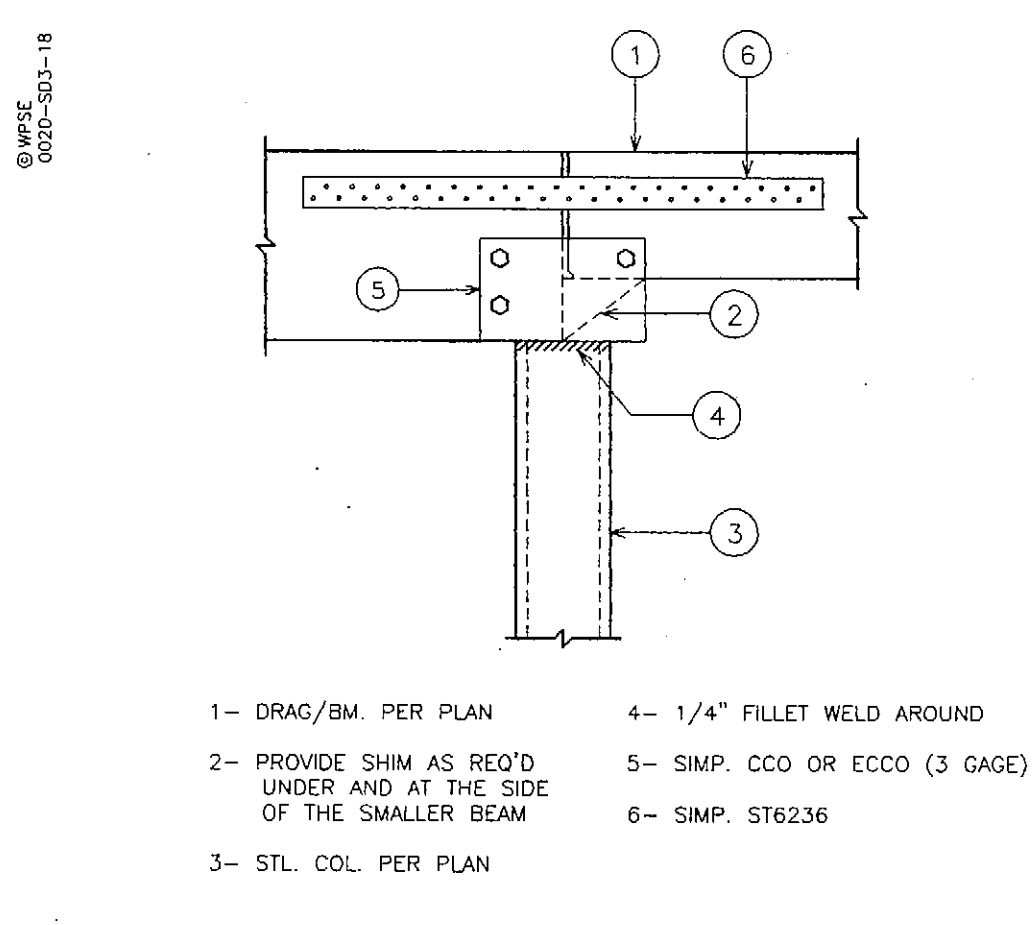
BRACE FRAME ELEVATION 9



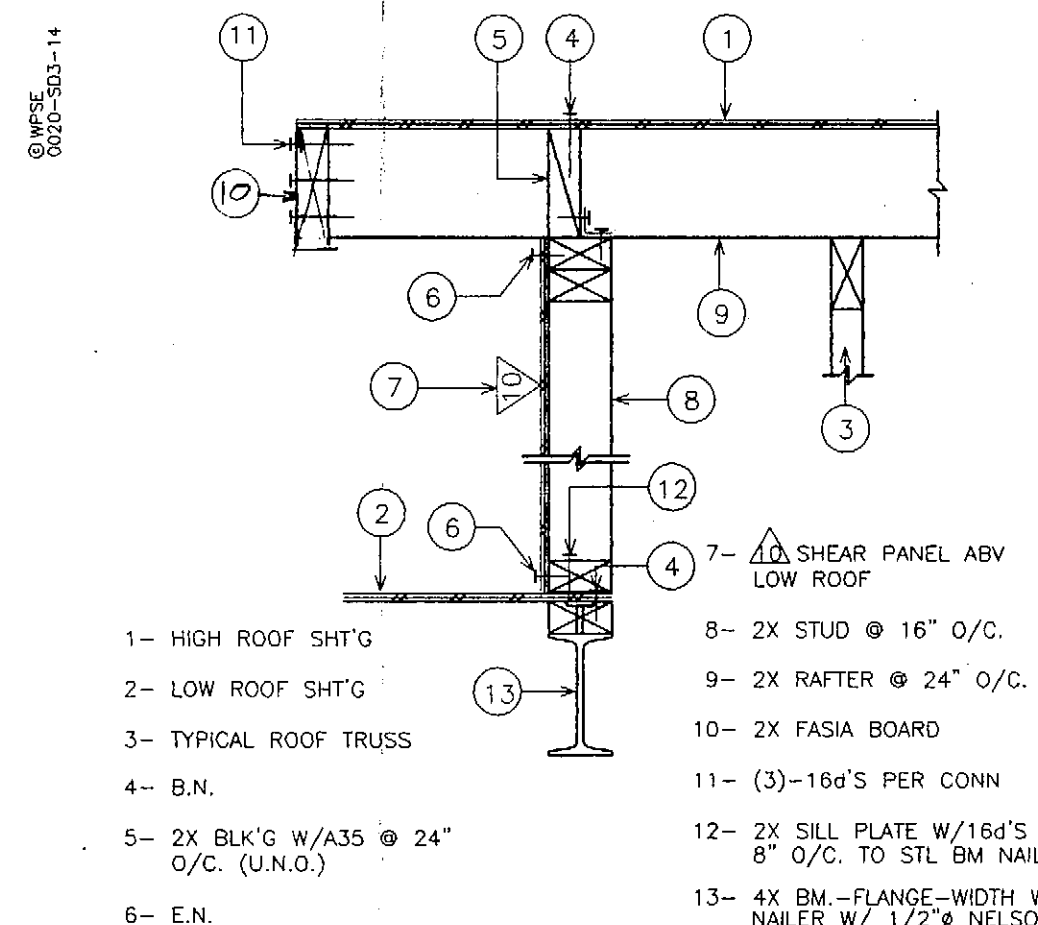
STL. BM. TO SHTH'G 5



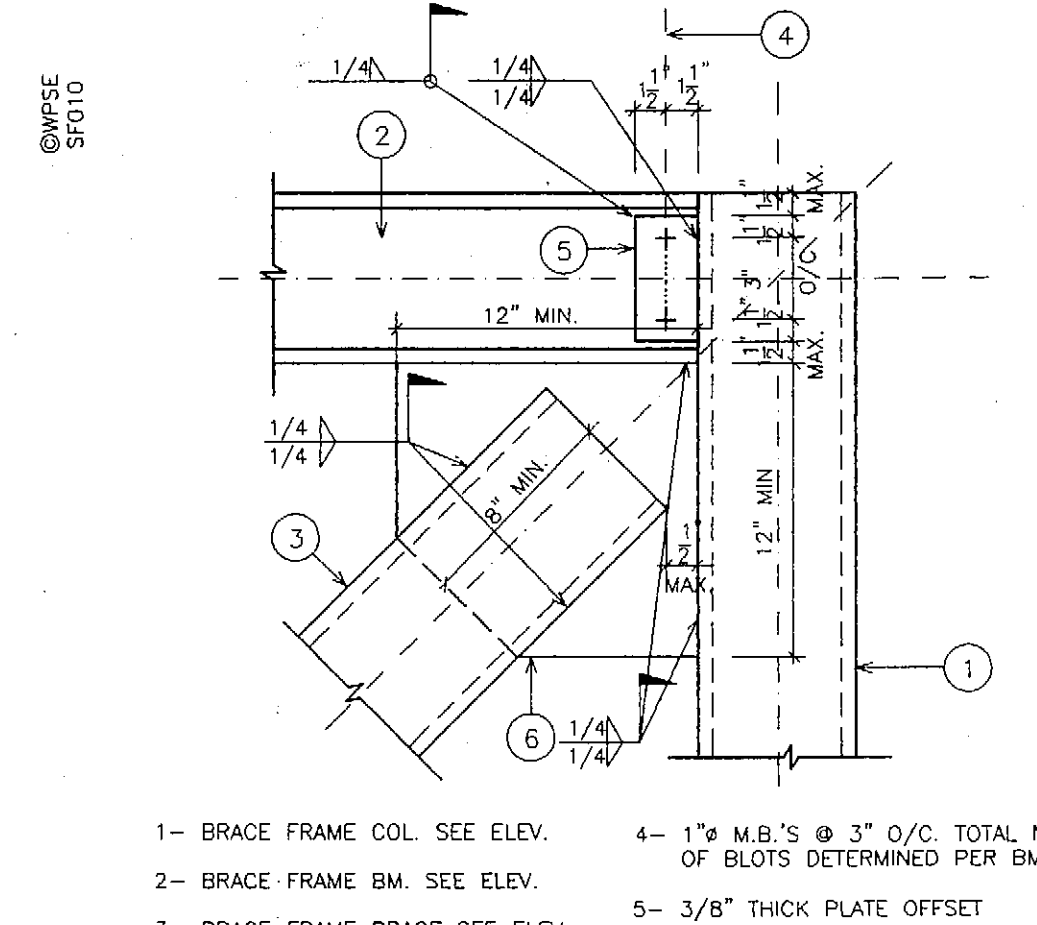
SHEAR TRANSFER 1



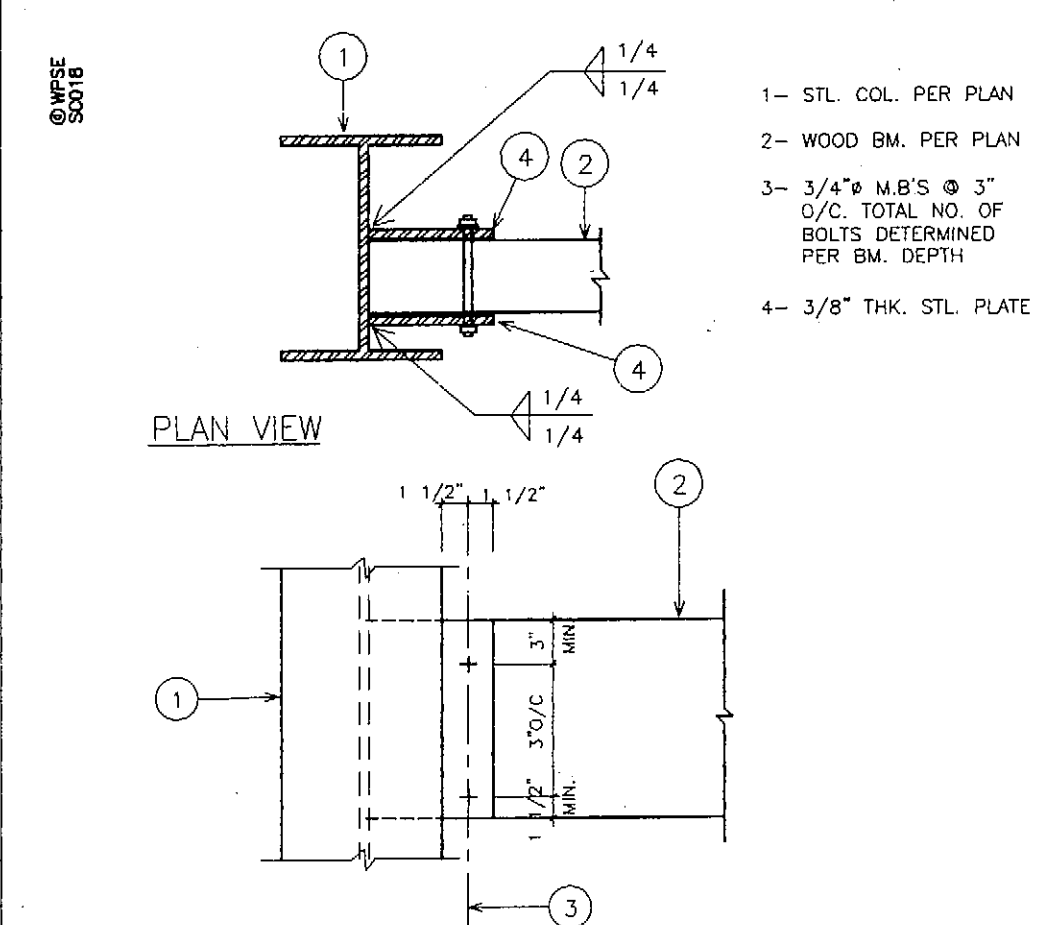
CONNECTION DETAIL 18



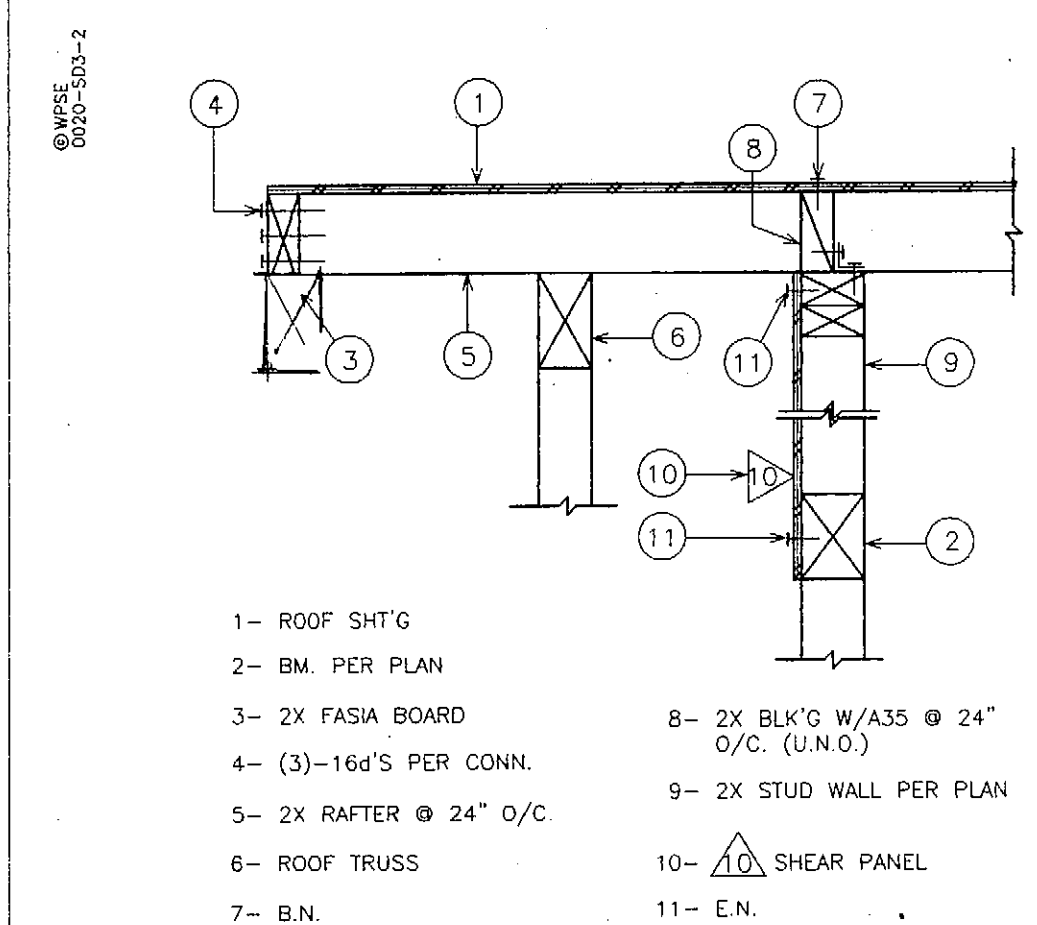
SHEAR TRANSFER 14



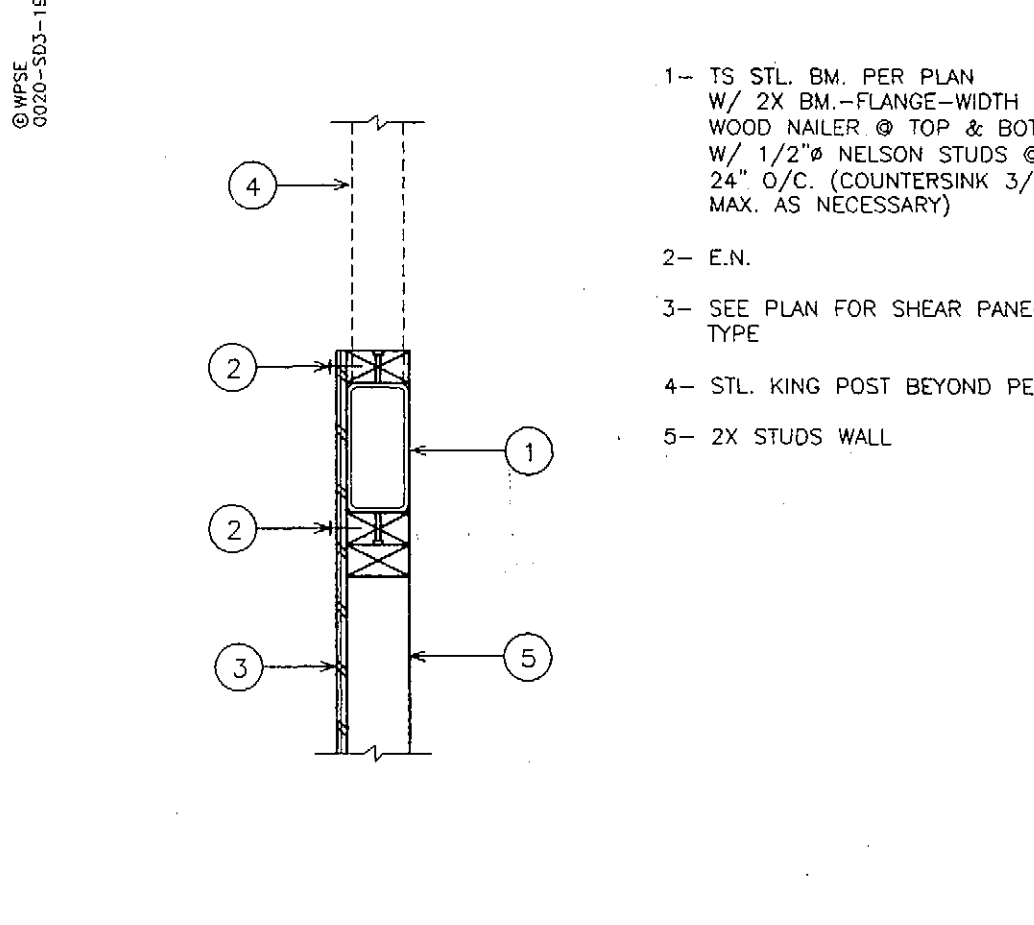
BRACE FRAME CONN. 10



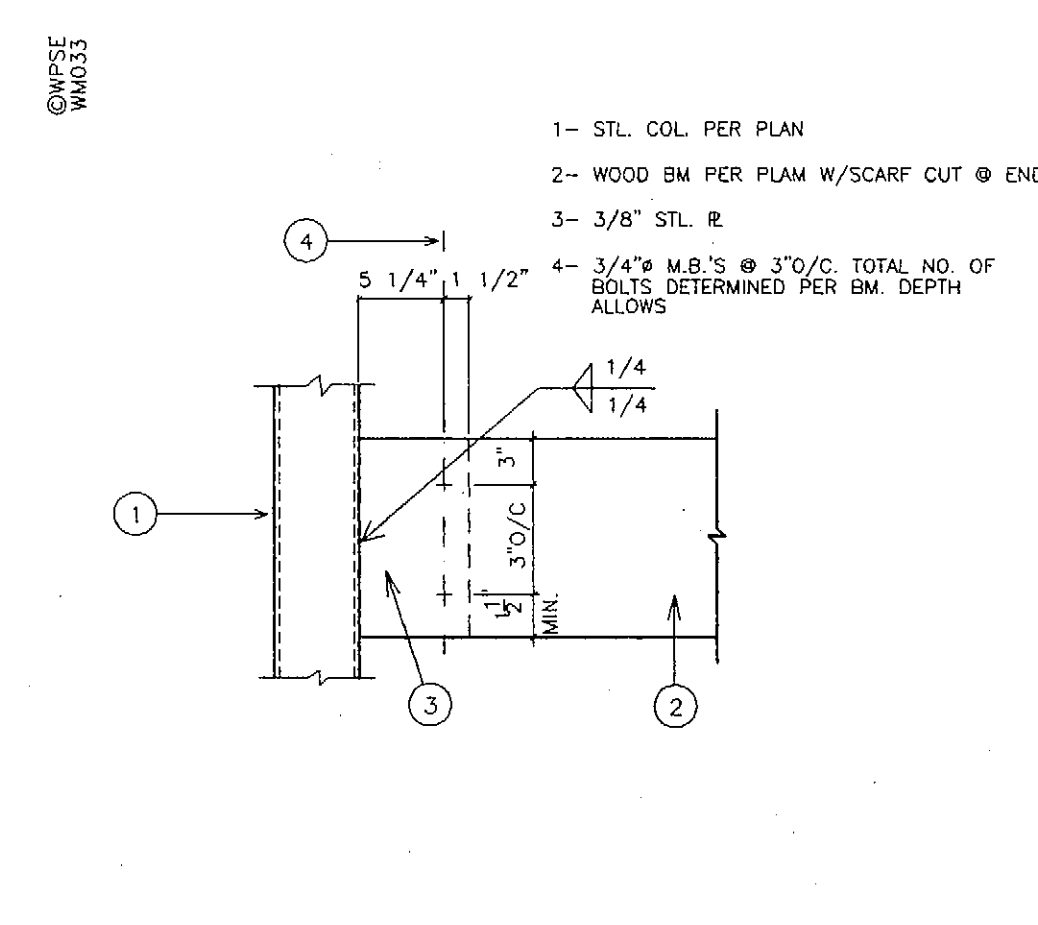
WOOD BM. TO STL. COL. CONN. 6



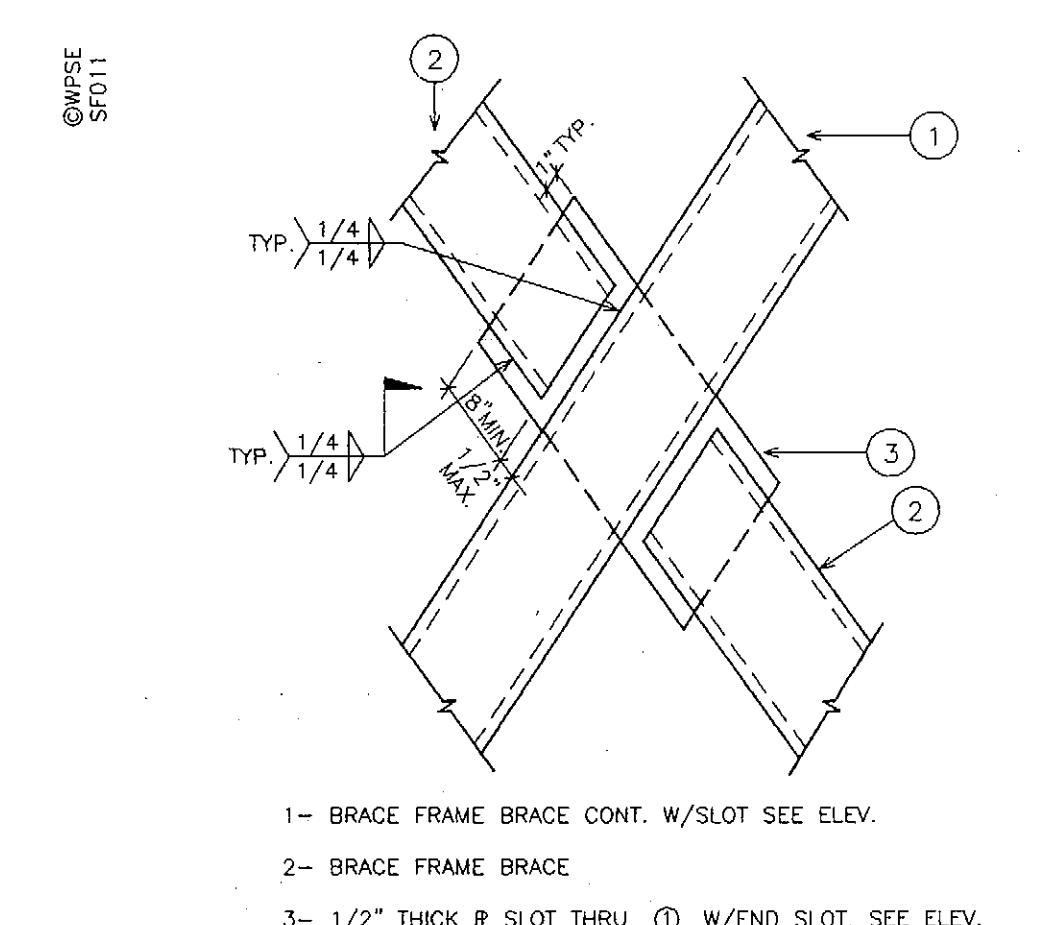
SHEAR TRANSFER 2



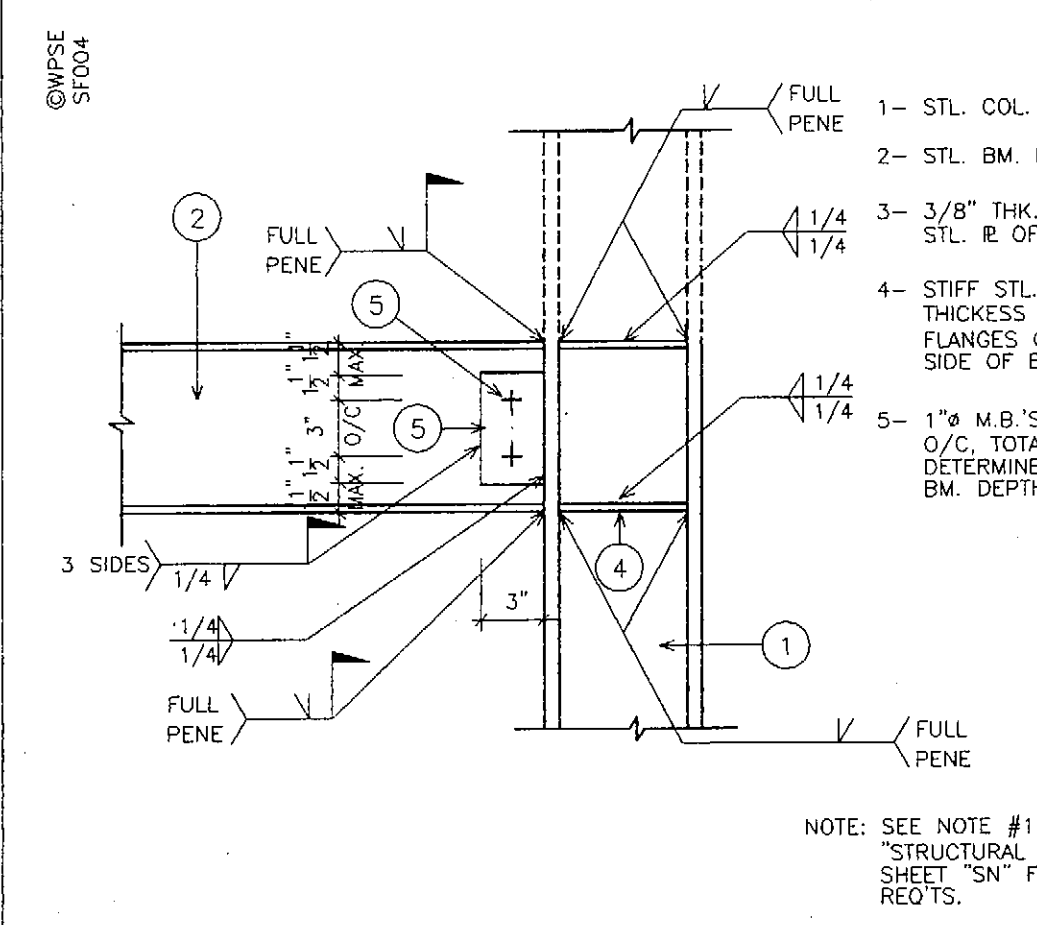
SHEAR TRANSFER 19



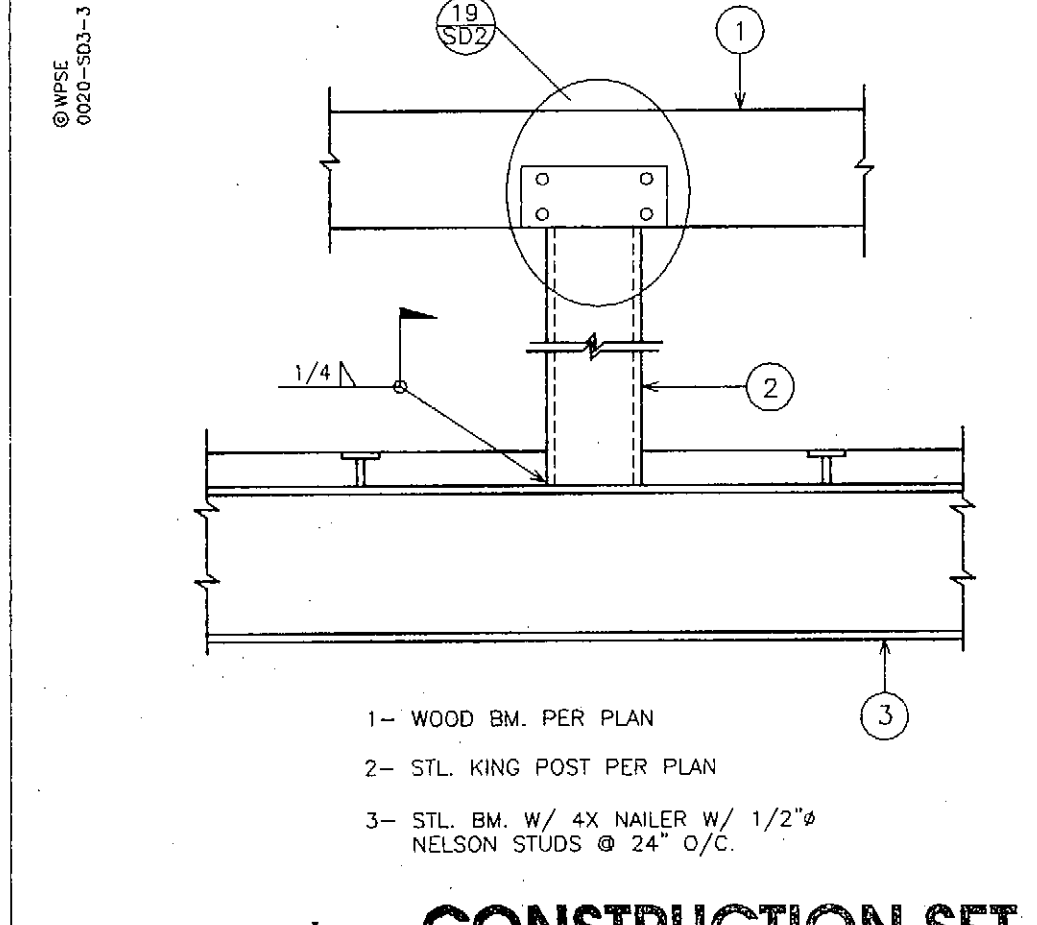
WOOD BM. TO STL. COL. 15



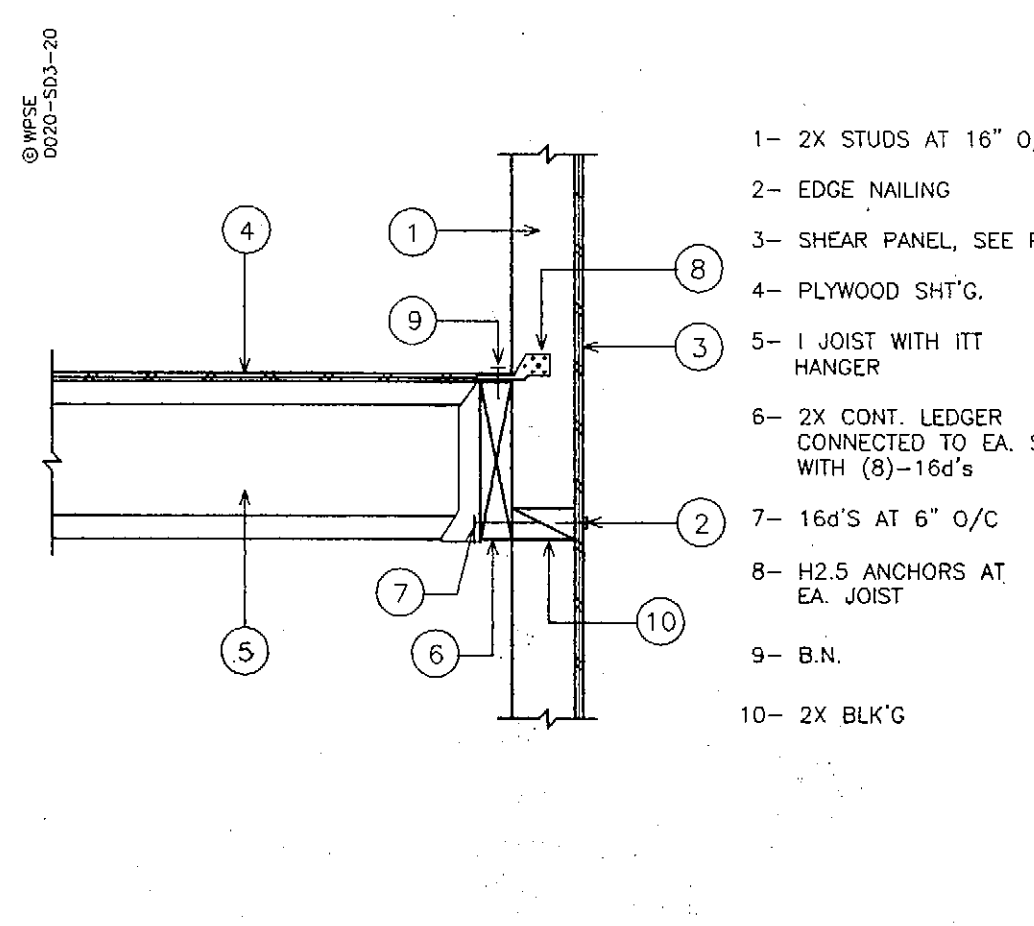
BRACE FRAME CONN. 11



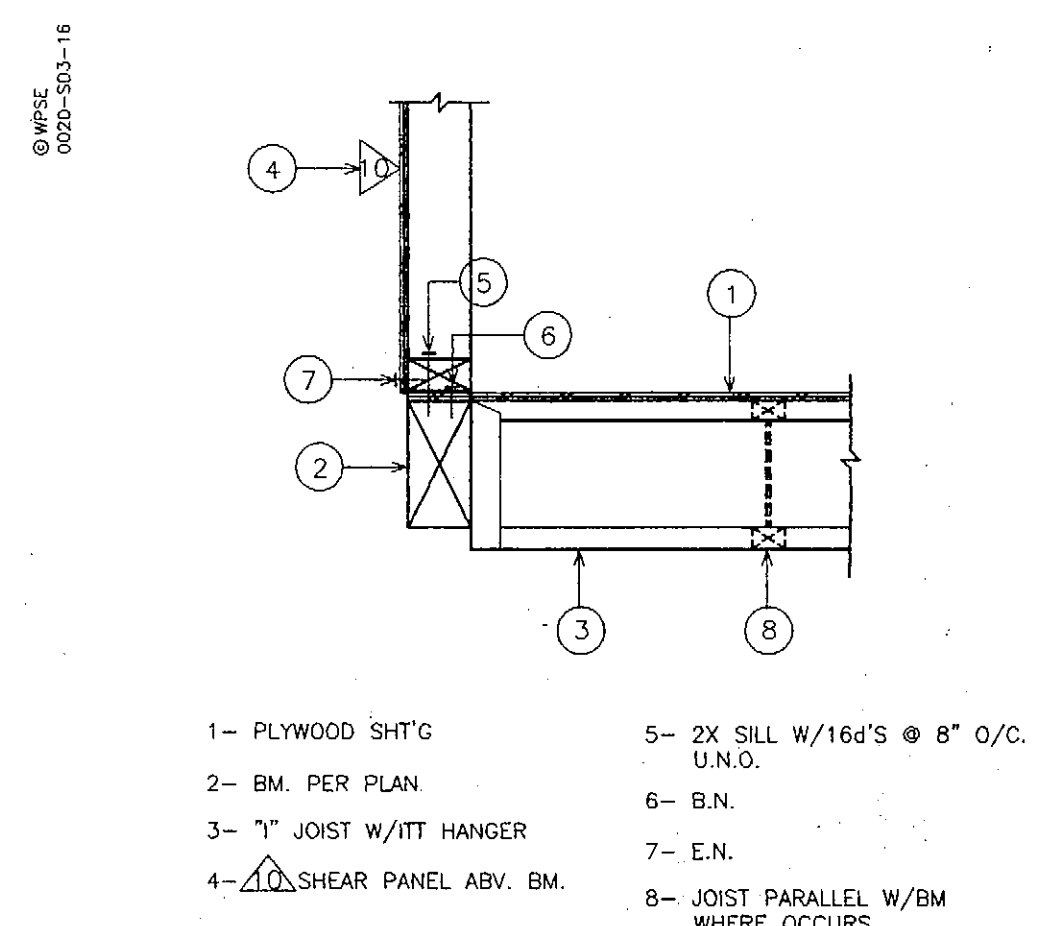
STL. BM. TO STL. COL. 7



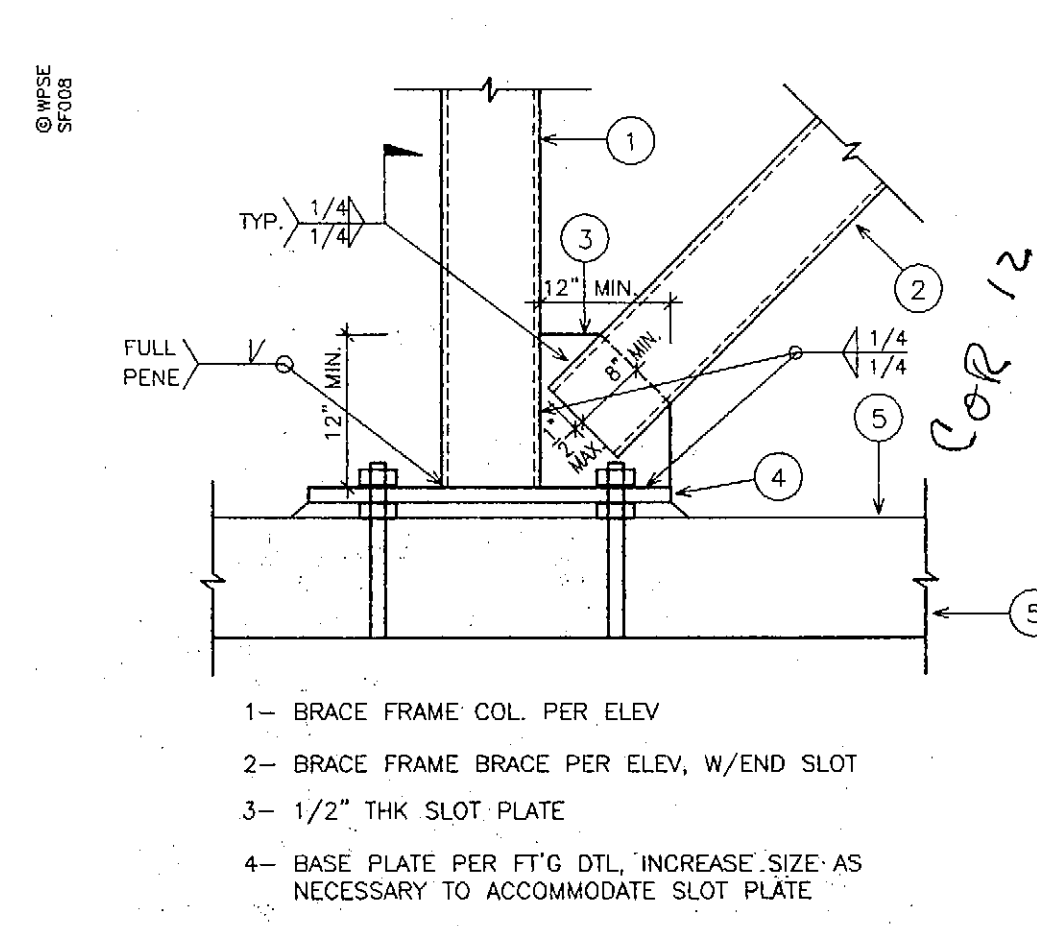
CONN. DETAIL 3



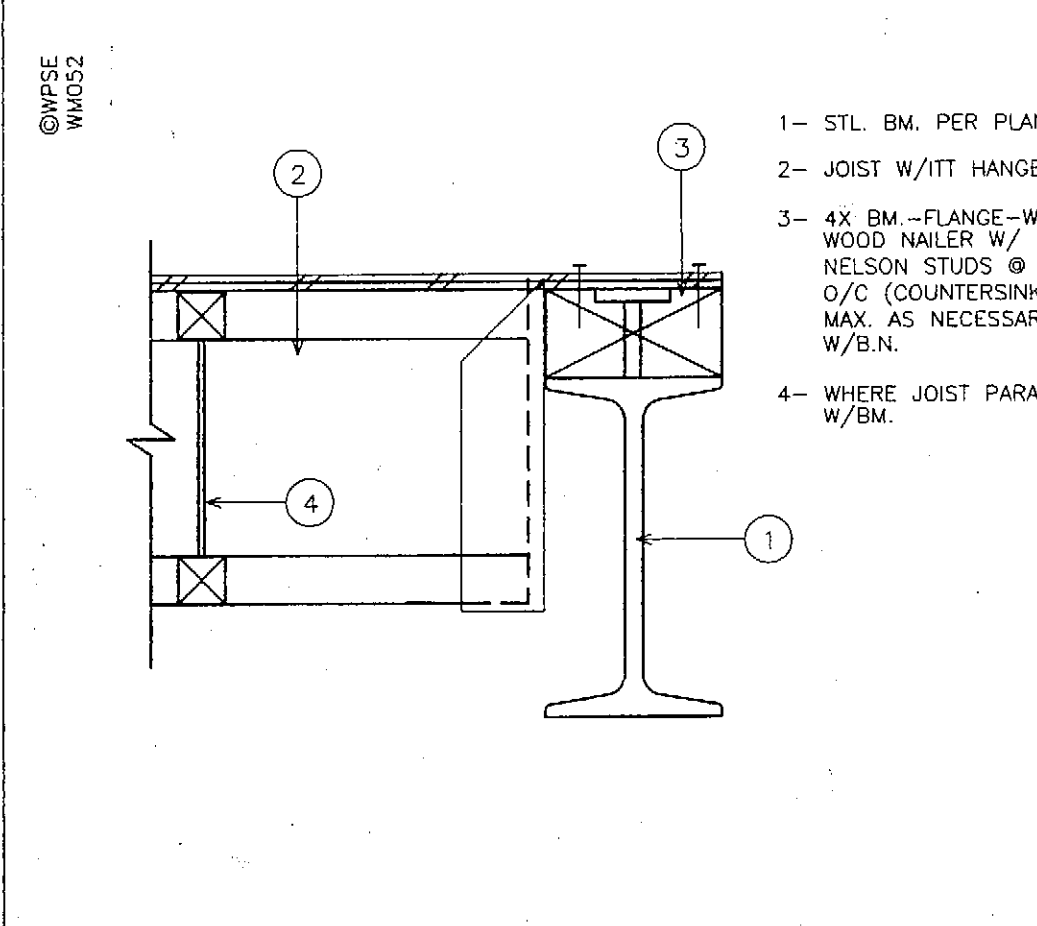
SHEAR TRANSFER 20



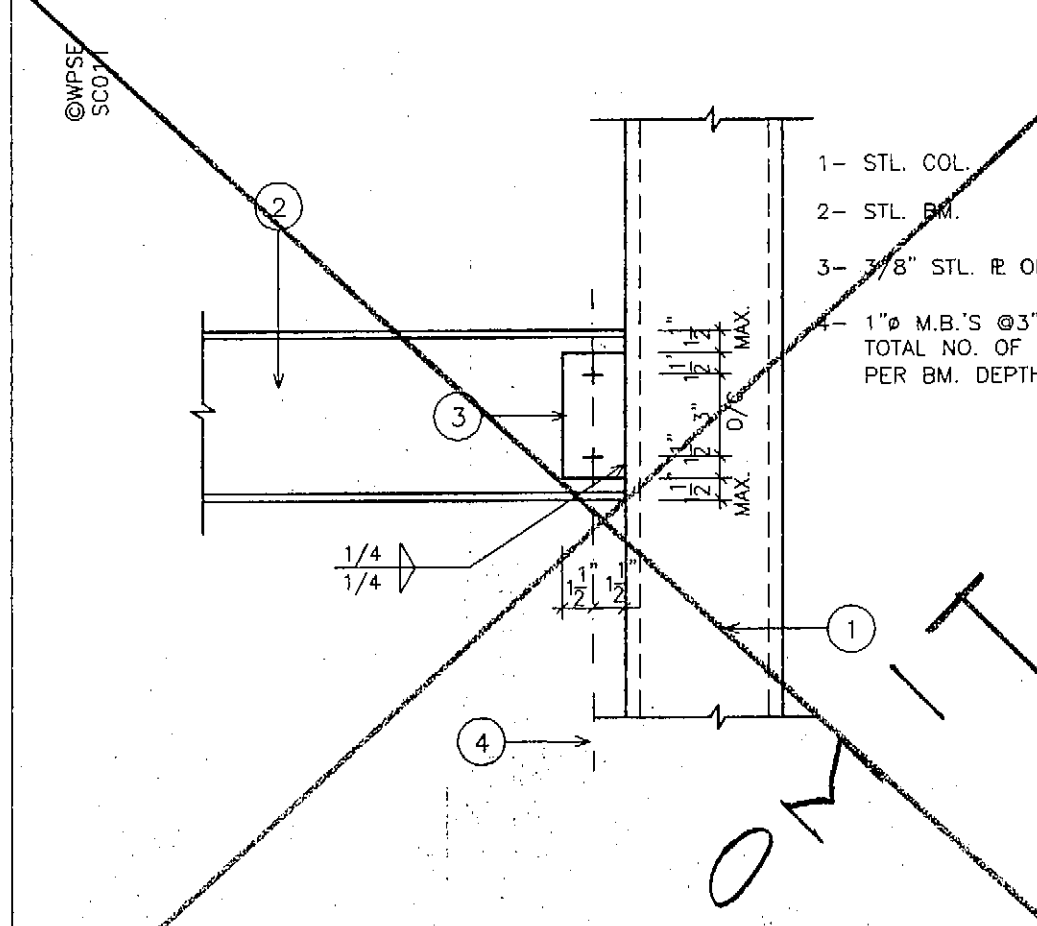
SHEAR TRANSFER 16



BRACE FRAME CONN. 12



JOIST TO STL. BM. 8



STL. BM. TO STL. COL. CONN. 4

REVISIONS

NO.	DESCRIPTION
1	SEE ARCH. BOOK CTRP

REGISTERED PROFESSIONAL ENGINEER
WEI PEI
NO. S004032
EXPIRATION DATE 12-31-00
STATE OF CALIFORNIA

WEI PEI STRUCTURAL ENGINEERS, INC.
931 W. Holt Blvd., Suite D4,
Ontario, CA 91762
Tel: (909) 937-0122
Fax: (909) 937-0120

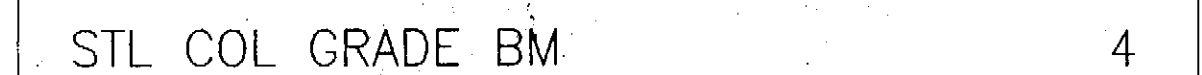
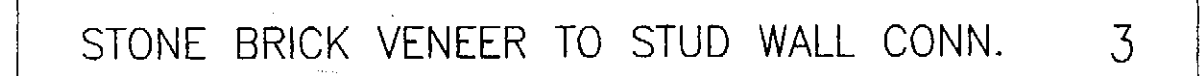
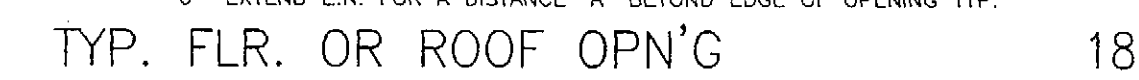
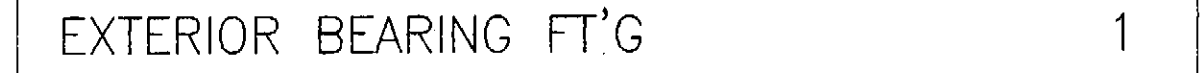
GARY W. MILLER ARCHITECT & ASSOCIATES
350 WEST 10TH STREET, SUITE 201, SAN BERNARDINO, CA 92401
PHONE (909) 888-4400 FAX (909) 394-3004

MISSION TRAIL COMMUNITY LIBRARY WILDOMAR, CALIFORNIA

STRUCTURAL DETAILS

SCALE: _____
DRAWN BY: Y.J.
CHECKED BY: W.P.
JOB NUMBER: 0020
DATE: 6-9-2000
SHEET

SD3



GENERAL NOTES

GENERAL

1. CODES AND REGULATIONS: THE NATIONAL ELECTRICAL CODE AND APPLICABLE FEDERAL, STATE, COUNTY, AND MUNICIPAL BUILDING CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE CONSTRUCTION OF THIS PROJECT, SHALL APPLY THROUGHOUT.

2. PERMITS, FEES AND INSPECTIONS: ARRANGE AND PAY FOR REQUIRED ELECTRICAL BUILDING PERMITS, FEES AND INSPECTIONS.

3. GUARANTEES: INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. DEFECTIVE MATERIAL, EQUIPMENT OR INFERIOR WORKMANSHIP SHALL BE CORRECTED IMMEDIATELY TO THE SATISFACTION OF THE OWNER. IF, AFTER THIRTY (30) DAYS THE CORRECTIONS ARE NOT COMPLETE THE OWNER RESERVES THE OPTION OF ARRANGING FOR THE NECESSARY REPAIRS AND BACKCHARGING THE ORIGINAL CONTRACTOR FOR THE WORK.

4. CHANGES: NO ADDITIONAL COSTS FOR LABOR OR MATERIALS WILL BE ALLOWED FOR CHANGES OR MODIFICATIONS MADE UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE ARCHITECT, ENGINEER, OR OWNER, IN THE FORM OF A CHANGE ORDER.

5. PROJECT WORK: TO INCLUDE THE FURNISHING OF LABOR, TOOLS, EQUIPMENT, AND MATERIALS AS REQUIRED TO INSTALL COMPLETE AND IN OPERATING CONDITION, THE ELECTRICAL SYSTEM SHOWN OR IMPLIED ON THESE DRAWINGS.

6. DRAWINGS: ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONDUIT ROUTING IS SHOWN AS A GUIDE ONLY, ACTUAL CONDUIT PLACEMENT IS TO BE DONE IN A PROFESSIONAL MANNER.

7. DISCREPANCIES: DISCREPANCIES ON THESE PLANS, SPECIFICATIONS, CODES ETC. MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

8. SURVEY AND CONDITIONS: VISIT THE JOB SITE PRIOR TO SUBMITTING BID, AND MAKE A SURVEY OF EXISTING CONDITIONS WHICH MAY EFFECT THE WORK TO BE PERFORMED. NO OTHER ALLOWANCES WILL BE GIVEN FOR SITE CONDITIONS.

9. CO-OPERATION: CO-OPERATE WITH OTHER CONTRACTORS AND SUBCONTRACTORS ON SITE, ARRANGE AND EXECUTE WORK IN SUCH A MANNER AS REQUIRED FOR THE SATISFACTORY AND EFFICIENT CONSTRUCTION OF THIS PROJECT BY ALL TRADES CONCERNED.

10. TESTS AND REPORTS: FEEDERS SHALL BE MEGGERED TESTED AND TEST REPORT SHALL BE PROVIDED TO THE OWNER BEFORE FINAL ACCEPTANCE

MATERIALS

11. MATERIALS AND WORKMANSHIP: PROVIDE MATERIALS NEW AND OF SPECIFICATION GRADE WITH U.L. LABELS. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE INSTALLED BY JOURNEYMAN ELECTRICIANS UNDER THE DIRECT SUPERVISION OF A COMPETENT FOREMAN.

12. FLUORESCENT FIXTURES: PROVIDE FLUORESCENT FIXTURES WITH ENERGY SAVING BALLASTS WITH CALIFORNIA ENERGY COMMISSION (C.E.C.) LISTING PER CALIFORNIA TITLE-24.

13. LAMPS: FURNISH AND INSTALL LAMPS AS SPECIFIED IN THE LIGHT FIXTURE SCHEDULE.

14. PANELBOARDS: PANELBOARDS SHALL HAVE A TYPEWRITTEN DIRECTORY MOUNTED UNDER CELLULOID WITH A METAL FRAME ON THE INSIDE OF THE LOCKABLE CABINET DOOR, GIVING CIRCUIT NUMBERS AND A COMPLETE DESCRIPTION OF ALL LOADS CONTROLLED BY EACH CIRCUIT BREAKER.

15. CONDUIT SYSTEM: RIGID STEEL, HEAVY-WALL CONDUIT, INCLUDING COUPLINGS, LOCK-NUTS, BUSHINGS NIPPLES AND OTHER FITTINGS SHALL BE HOT DIPPED GALVANIZED, SHERARDIZED, OR ZINC COATED. ELECTRICAL METALLIC TUBING (EMT), INCLUDING COUPLINGS, CONNECTORS, AND OTHER FITTINGS SHALL BE GALVANIZED OR SHERARDIZED. FITTINGS FOR EMT SHALL BE OF THE SET SCREW OR COMPRESSION TYPE. ALL CONDUITS INSTALLED FOR FUTURE USE SHALL BE INSTALLED, WITH A PULL WIRE.

CONDUIT SHALL BE AS FOLLOWS:
A RIGID GALVANIZED STEEL IN EXPOSED AREAS SUBJECT TO WEATHER OR PHYSICAL DAMAGE.
B ELECTRICAL METALLIC TUBING (EMT) INDOORS AND IN WALLS AND CEILINGS AND FOR HOME RUNS.
C LIQUID TIGHT FLEX FOR WEATHERPROOF CONNECTIONS TO EQUIPMENT.
D FLEXIBLE METALLIC TUBING MAY BE USED FOR LIGHT FIXTURE WHIPS AND FROM RECEPTACLE TO RECEPTACLE IN WALLS. FLEXIBLE CONDUITS WITH A GROUND RETURN PATH LONGER THAN SIX FEET SHALL HAVE A GROUND WIRE.

1. FLEXIBLE CONDUIT SHALL NOT BE USED FOR DISTRIBUTION OF BRANCH CIRCUITS IN CEILING SPACE, OR WALLS FROM JUNCTION BOX TO JUNCTION BOX, OR FOR HOME RUNS.

E UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 P.V.C. WITH RIGID GALVANIZED STEEL BENDS, AND RISERS. P.V.C. CONDUITS SHALL CONTAIN A GROUND WIRE PER NEC TABLE 250-44.

I. UTILITY BENDS MAY BE PER LOCAL UTILITY RECOMMENDATIONS.

16. CONDUIT HANGERS: CONDUIT HANGERS SHALL BE GALVANIZED STEEL WITH ACCESSORIES ESPECIALLY DESIGNED FOR USE WITH THAT TYPE OF HANGER, AND SHALL BE OF ADEQUATE STRENGTH TO SUPPORT THE LOADS IMPOSED.

17. JUNCTION BOXES: JUNCTION BOXES SHALL BE GALVANIZED OR SHERARDIZED, ONE PIECE PRESSED STEEL, KNOCK OUT TYPE. MINIMUM SIZE SHALL BE 4" SQUARE BY 1-1/4" DEEP. BOXES SHALL HAVE PLASTER RINGS AND EXTENSIONS AS REQUIRED.

18. OUTLET BOXES: OUTLET BOXES SHALL BE GALVANIZED OR SHERARDIZED, ONE PIECE PRESSED STEEL, KNOCK OUT TYPE. MINIMUM SIZE SHALL BE 2" X 4" BY 1-1/4" DEEP. BOXES SHALL HAVE PLASTER RINGS AND EXTENSIONS AS REQUIRED.

19. WIRE: MINIMUM #12 EXCEPT WHERE OTHER SIZES ARE SPECIFICALLY INDICATED. THE NUMBER OF WIRES IN A CONDUIT ARE INDICATED BY MEANS OF CROSS MARKS (NEUTRAL BEING LONGER) WHERE THREE OR MORE WIRES ARE NECESSARY. REFER TO NEC TABLE 3B FOR CONDUIT FILL REQUIREMENTS WHERE LARGER THAN 1/2" CONDUIT IS REQUIRED FOR THE NUMBER OF WIRES INDICATED.

WIRE SHALL BE AS FOLLOWS:
A BRANCH CIRCUIT WIRE SHALL BE SOLID COPPER, WITH THIN/THIN AVG. INSULATION.
B # 8 OR LARGER CONDUCTORS SHALL BE STRANDED COPPER WITH THIN/THIN INSULATION.

20. SERVICE EQUIPMENT: VERIFY WITH THE SERVING UTILITY THAT THE SERVICE EQUIPMENT PROPOSED MEETS THEIR REQUIREMENTS AND IS RATED FOR THE MAXIMUM SHORT CIRCUIT DUTY AVAILABLE, AND SUBMIT SHOP DRAWINGS IF REQUESTED. EQUIPMENT MAY BE SERIES RATED PER MANUFACTURER'S RECOMMENDATIONS, AND RESPONSIBILITY.

21. TELEPHONE SERVICE EQUIPMENT: PROVIDE AND INSTALL TELEPHONE BACKBOARD PER TELEPHONE COMPANY REQUIREMENTS.

22. TELEPHONE SERVICE ENTRANCE: PROVIDE AND INSTALL TELEPHONE ENTRANCE CONDUITS PER TELEPHONE COMPANY AND CO-ORDINATE PRIMARY SERVICE LOCATION

EXECUTION

23. ACCEPTANCE: BEFORE ACCEPTANCE OF THE WORK, INSPECT THE BUILDING IN THE PRESENCE OF THE OWNER AND DEMONSTRATE THAT ELECTRICAL SYSTEMS ARE IN OPERATING CONDITION SATISFACTORY TO THE OWNER.

24. CUTTING AND PATCHING: CUTTING AND PATCHING OF CONSTRUCTION REQUIRED FOR PROPER INSTALLATION OF HIS WORK IS THE RESPONSIBILITY OF THIS CONTRACTOR. NO CUTTING OF STRUCTURAL MEMBERS SHALL BE DONE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

25. LOCATION AND ARRANGEMENTS: DRAWINGS INDICATE DIAGRAMMATICALLY, THE DESIRED LOCATION OF EQUIPMENT, FIXTURES, OUTLETS, ETC. AND ARE NOT TO BE SCALED. PROPER JUDGMENT MUST BE EXERCISED IN THE EXECUTION TO INSURE THE BEST POSSIBLE INSTALLATION.

26. DEVICE ARRANGEMENT: DEVICES MOUNTED ON OPPOSITE SIDES OF A COMMON WALL SHALL NOT BE MOUNTED BACK TO BACK AND SHALL BE SEPARATED BY A ONE STUD MINIMUM.

27. PANEL AND DISTRIBUTION BOARD IDENTIFICATION: SWITCHBOARDS, PANELBOARDS TRANSFORMERS, AND DISTRIBUTION SECTIONS SHALL BE IDENTIFIED WITH ENGRAVED BLACK ON WHITE LAMINATED RIGID PHENOLIC NAMEPLATES WITH 7" CHARACTERS, SECURELY AFFIXED TO FACE OF CABINET.

28. CONDUITS: INTERIOR AND EXPOSED CONDUITS WITH THREE OR MORE WIRES SHALL BE RUN EITHER PARALLEL OR PERPENDICULAR TO BUILDING LINES.

29. HOME RUNS: HOME RUNS TO PANELBOARDS SHALL START FROM THE NEAREST OUTLET TO THE PANEL AND CONTINUE TO THAT PANEL RUNNING EITHER PARALLEL OR PERPENDICULAR TO BUILDING LINES.

30. EXTERIOR EQUIPMENT: ELECTRICAL DEVICES, EQUIPMENT, CONDUITS, CONNECTORS, ETC., LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE WEATHERPROOF.

31. EQUIPMENT LOCATIONS: LOCATION OF EQUIPMENT SHALL BE FIELD VERIFIED.

32. EQUIPMENT REQUIREMENTS: FIELD VERIFY WITH EQUIPMENT NAMEPLATE, CIRCUIT BREAKER, FUSE, AND FEEDER SIZES FOR EQUIPMENT INSTALLED, AND INSURE THAT THE INSTALLATION COMPLIES.

33. FIRE DAMPERS AND IN DUCT SMOKE DETECTORS: PROVIDE POWER FOR FIRE DAMPERS AND IN DUCT SMOKE DETECTORS IN LOCATIONS INDICATED ON THE MECHANICAL DRAWINGS

34. MECHANICAL EQUIPMENT CONTROL: CONSULT THE MECHANICAL DRAWINGS TO DETERMINE THE CONTROL LOGIC AND DESIRED METHOD OF CONTROL FOR MECHANICAL EQUIPMENT AND ADJUST INSTALLATION ACCORDINGLY.

35. LIGHT FIXTURE: LIGHT FIXTURES SHALL BE SUPPORTED FROM STRUCTURE IN ACCORDANCE WITH THE LATEST EARTHQUAKE STANDARDS BY THE MOST STRINGENT AUTHORITY.

36. EXTERIOR LIGHT FIXTURES: ORDER AND CO-ORDINATE MOUNTING HARDWARE FOR EXTERIOR FIXTURES AS IMPLIED ON PLANS

37. VERIFICATION OF CEILING: VERIFY THE TYPE OF CEILING AND INSULATION AND PROVIDE THE PROPER MOUNTING HARDWARE FOR LIGHT FIXTURES AND MISCELLANEOUS CEILING MOUNTED DEVICES.

38. THERMOSTATS: WHERE A THERMOSTAT IS INDICATED ON THE MECHANICAL PLANS INSTALL A WALL MOUNTED JUNCTION BOX WITH 1/2" P.V.C. CONDUIT TO CEILING SPACE.

39. SERVICE GROUND: SERVICE GROUND (IFER) SHALL CONSIST OF AN ELECTRODE ENCASED BY AT LEAST 2 INCHES OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET OF ONE OR MORE STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2 INCH IN DIAMETER, OR CONSISTING OF AT LEAST 20 FEET OF COPPER CONDUCTOR NOT SMALLER THAN NO. 2/0 AWG AND BONDED TO METAL COLD WATER PIPING SYSTEM.

40. GROUNDING: GROUNDINGS OF THE ELECTRICAL EQUIPMENT AND SYSTEM SHALL BE IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE AND LOCAL CODES OR ORDINANCES.

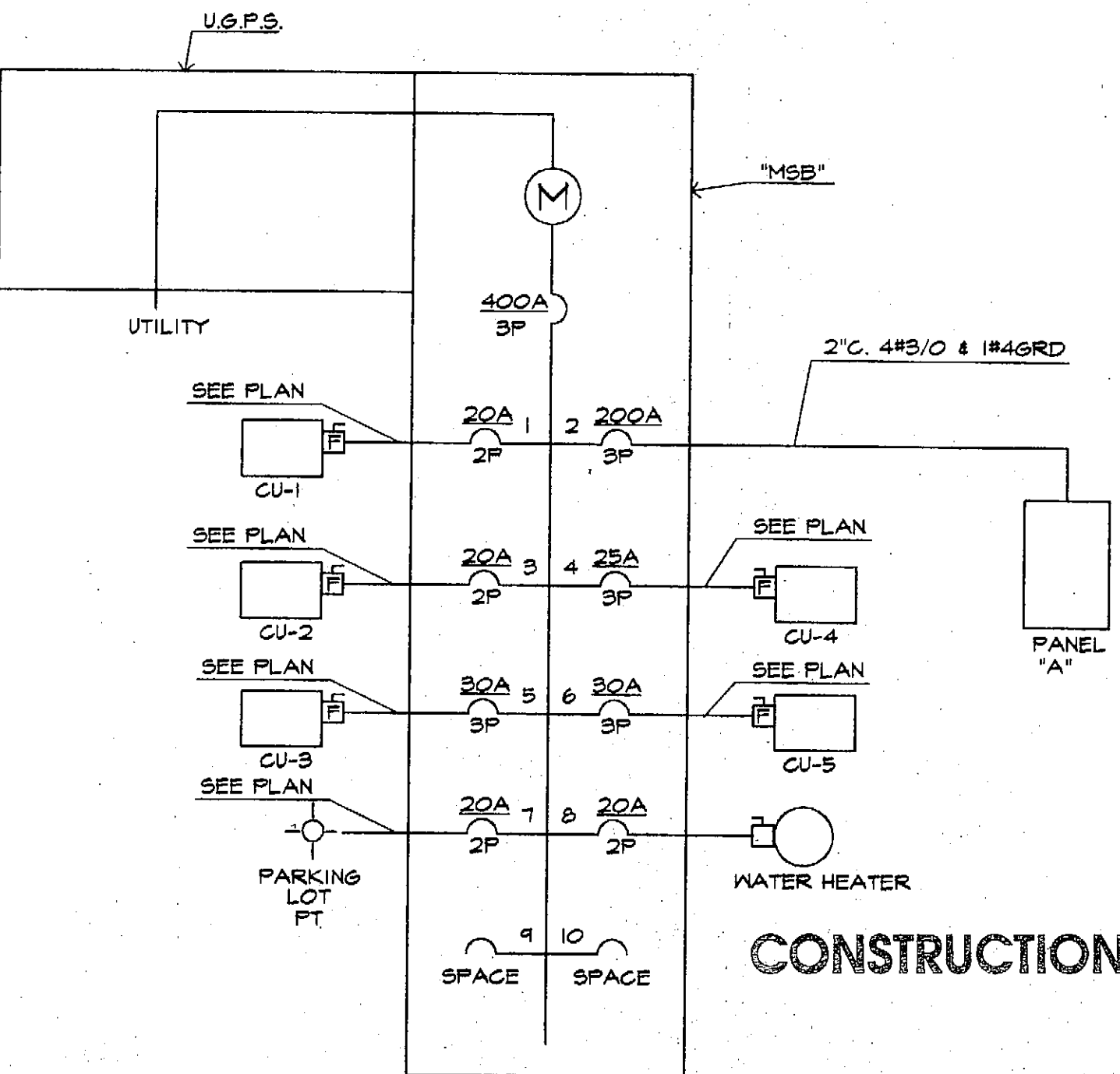
LIGHTING SCHEDULE & SYMBOL LIST

(A)		2x4 LAY-IN FLUORESCENT FIXTURE WITH (3) 32W T-8 LAMPS WIRED FOR MASTER/SLAVE OPERATION WITH ELECTRONIC BALLASTS "COLUMBIA" 5P524-3926-FSA12125-EB8-120V-1A/5 (43 WATTS)
(B)		2x4 LAY-IN FLUORESCENT FIXTURE WITH (3) 32W T-8 LAMPS AND (1) ELECTRONIC BALLAST "COLUMBIA" 5P524-3926-FSA12125-EB8-120V (43 WATTS)
(C)		SURFACE MOUNTED 1x4 FLUORESCENT FIXTURE WITH (2) 32W T-8 LAMPS AND (1) ELECTRONIC BALLAST "COLUMBIA" M4W4-232-EB8-120V (62 WATTS)
(D)		2x2 LAY-IN PARABOLIC FLUORESCENT FIXTURE WITH (2) 32W T-8 ULAMPS AND (1) ELECTRONIC BALLAST "COLUMBIA" F422-292166-LD33-S-EB8-120V (62 WATTS)
(E)		8' FLUORESCENT STRIP LIGHT WITH (2) 32W T-8 LAMPS AND (1) ELECTRONIC BALLAST "COLUMBIA" C38-132-EB8-120V (62 WATTS)
(F)		4' FLUORESCENT STRIP LIGHT WITH (1) 32W T-8 LAMPS AND (1) ELECTRONIC BALLAST "COLUMBIA" C34-132-EB8-120V (31 WATTS)
(G)		RECESSED DOWN LIGHT WITH (2) PL-18 LAMPS "FRESCOLITE" #CFR618-ST12-120V (34 WATTS)
(H)		150W QUARTZ FLOOD LIGHT WITH ADJUSTABLE YOKE KIM #CFL-1/150-HAL-120V
(J)		INTERIOR WALL SCONCE AT 8'-6" AFF "F RAYMOND" #2115-MS-WB-40
(K)		CHANDELIER 45" DIAMETER WITH (8) 75 W HALOGEN MINIGAN TONE ON TONE WHITE FINISH "F RAYMOND" #2432MOD-WB-#0. COORDINATE PLACEMENT WITH GARY MILLER
(L)		FLUORESCENT SUSPENDED FIXTURE WITH (2) 32W T-8 LAMPS CABLE HUNG 10" ABOVE TOP OF STACKS "COLUMBIA" #LSLA-2-JD-FMR-LD- EB8120-M4 WITH ADJUSTABLE CABLE 120V.
(M)		POLE MOUNTED SHOEBOX TYPE LOW PRESSURE SODIUM WITH (1) 180W LAMP "SPAULDING" # OKI-180-LPS-PWM-120-DBZ
(N)		EXIT LIGHT WITH 90 MINUTE BATTERY BACKUP AND SINGLE FACE "FRESCOLITE" EDGI-REN-B
A		AMPERE
AT		AMP TRIP
AS		AMP SWITCH
AF		AMP FUSE
AFF		ABOVE FINISHED FLOOR
UON		UNLESS OTHERWISE NOTED
NEMA		NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NTS		NOT TO SCALE
WP		WEATHER PROOF
C.O.		CONDUIT ONLY (WITH PULL WIRE)
GRD		GROUND
CWP		METAL COLD WATER PIPE
P		POLE
IP		INDICATES CIRCUIT NUMBER WITH PHOTO-CELL CONTROL
AIC		AMPERE INTERRUPTING CAPACITY
AWG		AMERICAN WIRE GAUGE
C		CONDUIT
GFI		GROUND FAULT INTERRUPTED
LCL		LONG CONTINUOUS LOAD
⊕		NEMA 5-20R 120 VOLT DUPLEX RECEPTACLE WALL MOUNTED AT +18" AFF TO CENTER OF DEVISE UON
⊖		NEMA 5-20R 120 VOLT 6FCI PROTECTED DUPLEX RECEPTACLE WALL MOUNTED AT +18" AFF TO CENTER OF DEVISE UON
⊙		JUNCTION BOX
S		20A TOGGLE SWITCH WALL MOUNTED AT +42" AFF TO CENTER OF FIXTURE UON
▷		TELEPHONE/DATA 48-BOX WALL MOUNTED AT +18" AFF TO CENTER OF DEVISE UON WITH 1" C.O. TO ACCESSIBLE CEILING SPACE
		EXHAUST FAN WITH THERMAL OVERLOADS
		120/208 VOLT 3PH 4W PANEL

ADD Fire Alarm for 21
Security

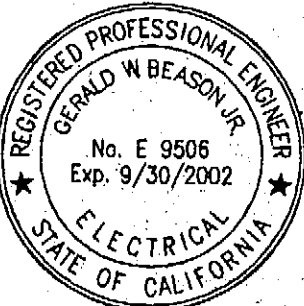
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LOAD SCHEDULE			
1.	CU-1	3,203 WATTS	15.4 AMPS
2.	PANEL "A"	46,711 WATTS	129.8 AMPS
3.	CU-2	3,203 WATTS	15.4 AMPS
4.	CU-4	6,840 WATTS	19.0 AMPS
5.	CU-3	7,104 WATTS	21.4 AMPS
6.	CU-5	7,104 WATTS	21.4 AMPS
7.	PARKING LOT	2,760 WATTS	13.3 AMPS
8.	WATER HEATER	2,000 WATTS	5.6 AMPS
9.	SPACE		
10.	SPACE		
TOTAL		80,130 WATTS	222.6 AMPS



SINGLE LINE DIAGRAM

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



REVISIONS

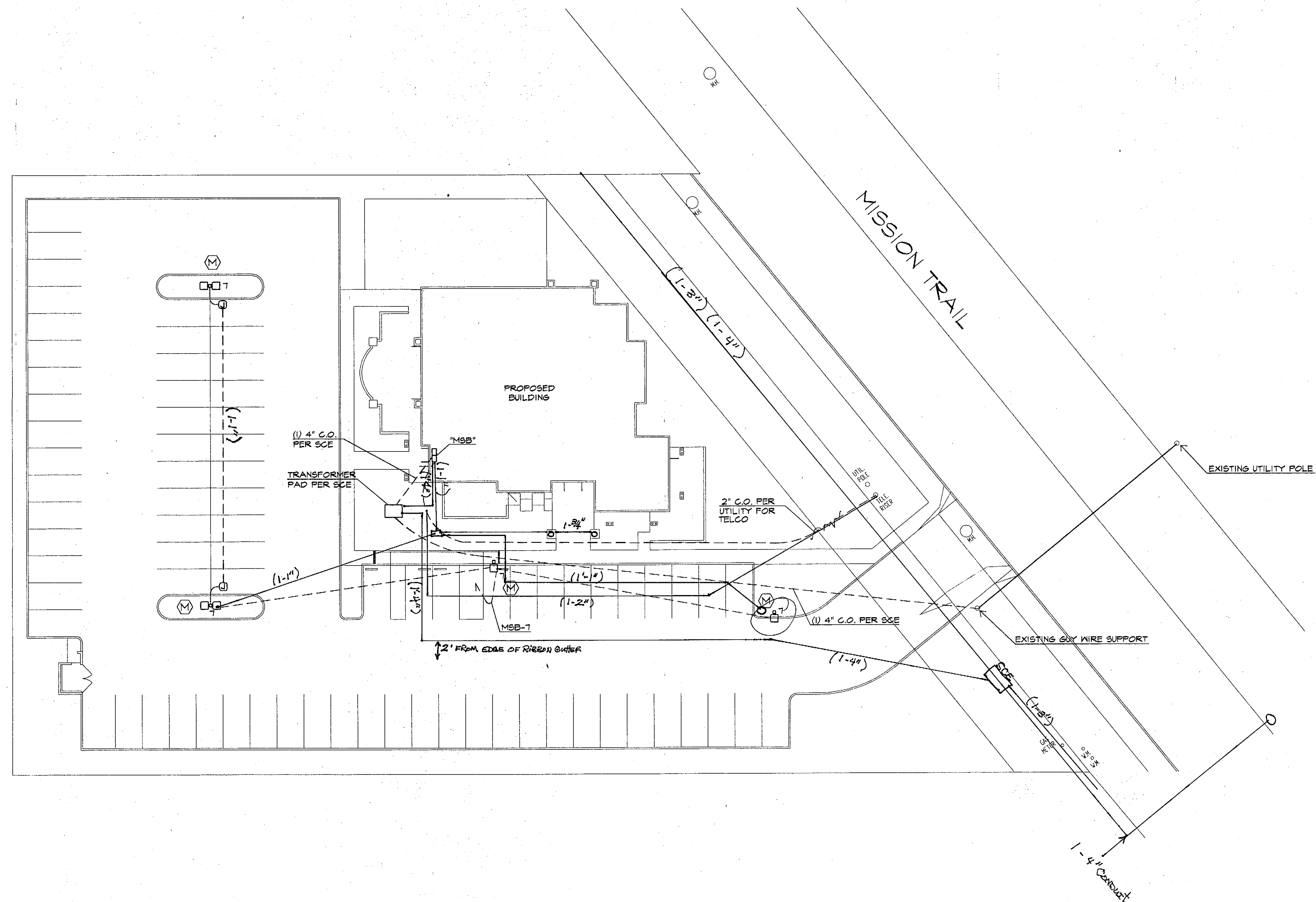
GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE (909) 394-4480 FAX (909) 394-3624
355 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
GENERAL NOTES,
SINGLE LINE DIAGRAM,
SYMBOL LIST & PANEL

SCALE: NOTED
DRAWN BY: TJCP
CHECKED BY: RFC
JOB NUMBER: 99870
DATE: JUNE 9, 2000
SHEET

E-1

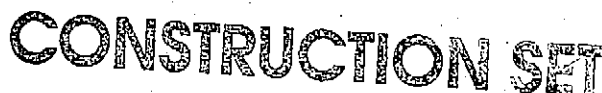


GARY W. MILLER
ARCHITECT & ASSOCIATES
PHOTO (950) 889-4488 FAX (950) 384-9034
40 WEST 5TH STREET, SUITE 200, SAN BERNARDINO, CA 92401

REVISIONS

MISSION TRAIL
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E-2



NORTH

NORTH
REFERENCE



SHEET TITLE		MISSION TRAIL COMMUNITY LIBRARY WILDLIFAR, CALIFORNIA		 GARY W. MILLER ARCHITECT & ASSOCIATES PHONE (909) 889-4408 FAX (909) 284-9004 250 WEST 5TH STREET, SUITE 200 SAN BERNARDINO, CA 92401	
SCALE:		NOTED		REVISIONS	
DRAWN BY:		TJCP			
CHECKED BY:		RFC			
DB NUMBER:		99870			
DATE:		JUNE 9, 2000			
SHEET		POWER PLAN			
E-3					

CERTIFICATE OF COMPLIANCE—Lighting (Part 1 of 2) **LTG-1**

PROJECT NAME: **WILDOMAR LIBRARY** DATE: **4/25/00**

PROJECT ADDRESS: **WILDOMAR, CALIFORNIA**

PRINCIPAL DESIGNER-LIGHTING: **GERALD W. BEASON JR.** TELEPHONE: **(909) 351-1800**

DOCUMENTATION AUTHOR: **ROBERT F. CASTRO** TELEPHONE: **(909) 351-1800**

Building Permit # _____

Checked by/Date: _____

Enforcement Agency Use: _____

GENERAL INFORMATION

DATE OF PLANS: **6/9/00** BUILDING CONDITIONED FLOOR AREA: **5,100 SQUARE FEET** CLIMATE ZONE: _____

BUILDING TYPE: ☒ NON-RESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/INTEL GUEST ROOM

PHASE OF CONSTRUCTION: ☒ NEW CONSTRUCTION ☐ ADDITION ☐ ALTERATION ☐ UNCONVENTIONAL (See addendum)

METHOD OF LIGHTING COMPLIANCE: ☒ COMPLETE BUILDING ☐ AREA CATEGORY ☐ TAILORED ☐ PERFORMANCE

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications need to comply with Title 24, parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR: **ROBERT F. CASTRO** SIGNATURE: _____ DATE: **6/9/00**

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the envelope requirements contained in the applicable parts of Sections 110, 119, 130 through 132, 146 and 149 of Title 24, Part 6.

Please check one:

☒ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

☐ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

(These sections of the Business and Professions Code are printed in full the Nonresidential Manual.)

PRINCIPAL LIGHTING DESIGNER-NAME: **GERALD W. BEASON JR.** SIGNATURE: _____ DATE: **6/9/00** LIC # **E-9506**

LIGHTING MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures **SHEET E-4**

INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

LTG-1: Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.

LTG-2: Required for all submittals.

LTG-3: Optional. Use only if lighting control credits are taken.

LTG-4: Optional. Use only if Tailored Method is used. Parts 2 and 3 used only if applicable.

Nonresidential Compliance Form November 1998

LIGHTING COMPLIANCE SUMMARY **LTG-2**

PROJECT NAME: **WILDOMAR LIBRARY** DATE: **6/9/00**

ACTUAL LIGHTING POWER

LUMINAIRE NAME	DESCRIPTION	NUMBER OF LUMINAIRES	WATTS PER LUMINAIRE (Including Ballast)	CEC DEFAULT Y N	TOTAL WATTS
A	2X4 (3) LAMP M/S FLO	4	43	☒ ☐	372
B	2X4 (3) LAMP FIXTURE	1	43	☒ ☐	43
C	1X4 LAY-IN FIXTURE	5	62	☒ ☐	310
D	2X2 PARABOLIC FLO	11	62	☒ ☐	682
E	8' STRIP FIXTURE	14	62	☒ ☐	868
F	4' STRIP FIXTURE	10	31	☒ ☐	310
G	RECESSED DOWN LIGHT	9	34	☒ ☐	306
H	QUARTZ FLOOD	17	150	☒ ☐	2550
J	N/A			☐ ☐	

SUBTOTAL FROM THIS PAGE: _____

PLUS SUBTOTAL FROM CONTINUATION PAGE: _____

LESS CONTROL CREDIT WATTS (From LTG-3): _____

ADJUSTED ACTUAL WATTS: **5,491**

If not using the CEC Default value, please provide supporting documentation.

ALLOWED LIGHTING POWER (Choose One Method)

COMPLETE BUILDING METHOD

BUILDING CATEGORY (From § 146(b) Table 1-W)	WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS

AREA CATEGORY METHOD

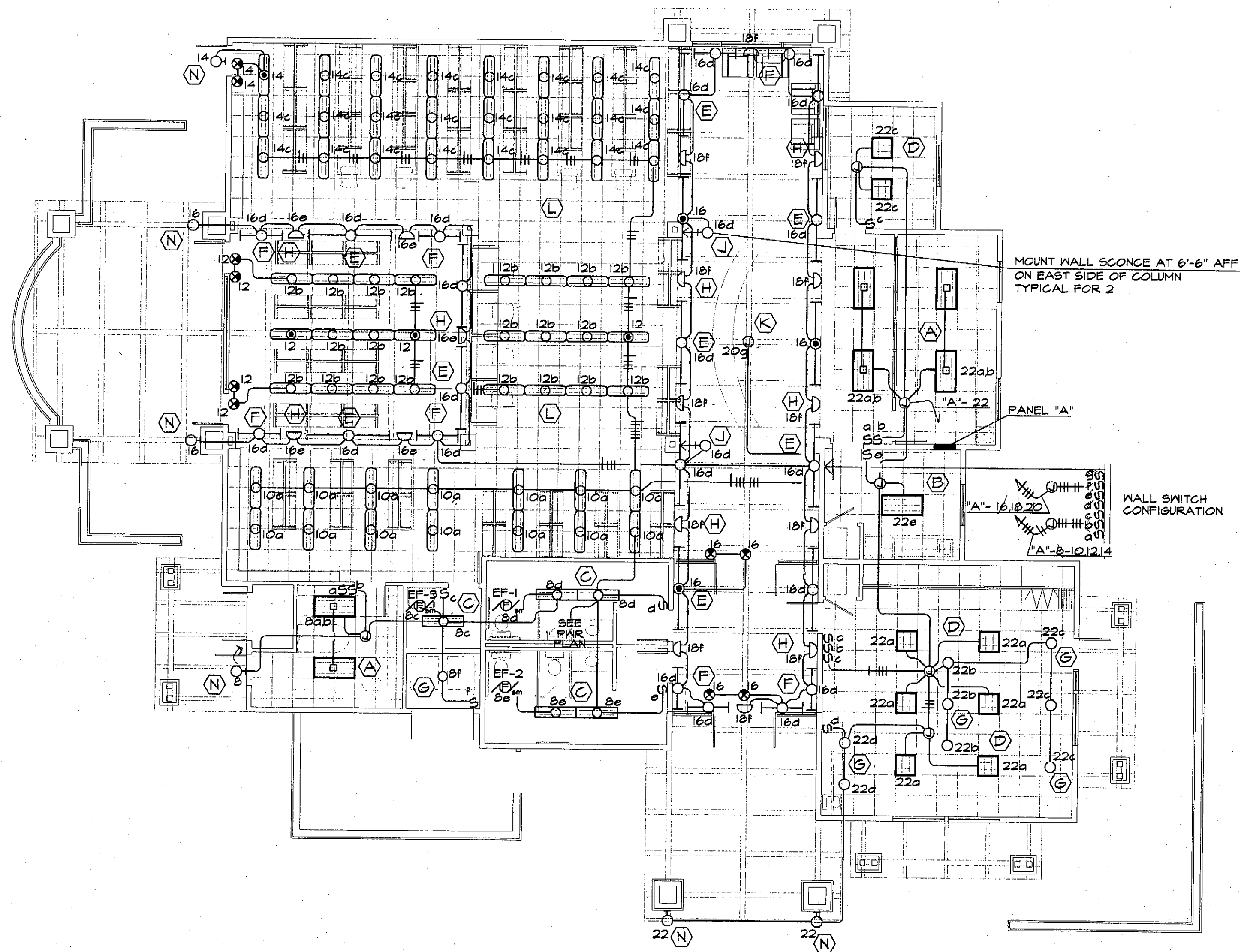
AREA CATEGORY (From § 146(b) Table 1-N)	WATTS PER SF	AREA (SF)	ALLOWED WATTS
LIBRARY			
STACKS	1.5	1010	2715
READING AREAS	1.2	600	720
REST ROOMS	.6	375	225
WORK ROOM	1.2	350	420
CONFERENCE ROOM	1.6	625	1000
OFFICES	1.3	240	312
LOBBY	1.5	430	645
BREAK ROOM	.6	170	102
TOTALS		5,100	6,889

TAILORED METHOD

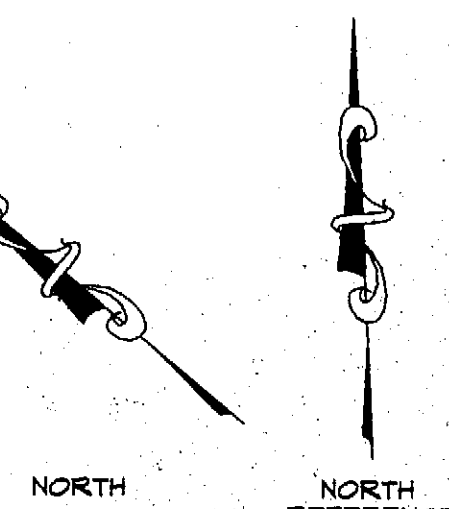
TOTAL ALLOWED WATTS: _____

(From LRG-4 or from Computer Run.)

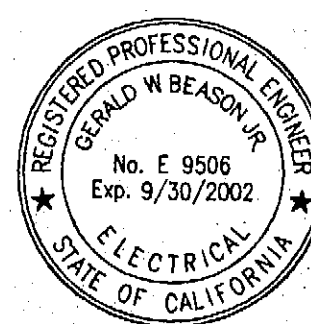
Nonresidential Compliance Form November 1998



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



MANDATORY MEASURES
THIS DESIGN SUBSTANTIALLY COMPLIES WITH CALIFORNIA TITLE-24 REQUIREMENTS FOR LIGHTING & AIR CONDITIONING CONTROLS, AND REQUIRES THAT ALL EQUIPMENT BE CALIFORNIA ENERGY COMMISSION LISTED & APPROVED.



SCALE: NOTED
DRAWN BY: TJCP
CHECKED BY: RFC
JOB NUMBER: 99870
DATE: JUNE 9, 2000
SHEET

E-4

SHEET TITLE
FLOOR PLAN

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE: (909) 889-4480 FAX: (909) 384-9024
350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

REVISIONS

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR PROBLEMS.

2. EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.

3. SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. FURNISH ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINKS WITH McGUIRE PROWRAP PRE-WRAPPED OFFSET TAILPIECES AND P-TRAPS. ALL WATER CLOSET FLUSHING LEVERS SHALL BE TO THE WIDE SIDE OF THE STALL.

4. TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.

5. ALL PLUMBING WORK SHALL BE INSTALLED TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.

6. ALL CLEANOUTS SHALL BE INSTALLED WHERE EASILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH ALL EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.

7. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.

8. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS INDICATED ON DRAWINGS.

9. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH VALVE AND PRIOR TO ALL EQUIPMENT CONNECTIONS.

10. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT:

UNIFORM BUILDING CODE
UNIFORM MECHANICAL CODE
UNIFORM PLUMBING CODE
NATIONAL ELECTRICAL CODE
CALIFORNIA CODE OF REGULATIONS
TITLE 24

11. BEFORE FABRICATION OR INSTALLATION THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN THE FIELD.

12. ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED ON PLANS.

13. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.

14. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA STATE ENERGY COMMISSION TO COMPLY WITH EFFICIENCY STANDARDS PER SECTION 2-5314(g) OF THE TITLE-24 REGULATIONS.

15. ALL HOT WATER PIPING SHALL BE INSULATED. SEE SPECIFICATIONS FOR REQUIREMENTS.

16. PIPING THROUGH FIRE RATED WALLS SHALL BE PER UL FIRE RESISTANCE SYSTEM NO. WL1001. SEE ARCHITECTURAL PLANS FOR ALL WALL LOCATIONS.

17. ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.

18. ALL PIPING INTO STEM WALLS AND FOOTINGS SHALL BE DOUBLE HALF LAP WRAPPED WITH 1/8" THICK "ARMOFLEX" INSULATION. THE CONTRACTOR SHALL ALSO PROVIDE BLOCKED OUT AREAS IN STEM WALL AND FOOTING. ALL PIPING SHALL AVOID THE LOWER 8" OF THE FOOTING.

19. SEISMIC BRACING AND ANCHORAGE REQUIREMENTS ARE AS FOLLOWS:

A. ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

1. FIXED EQUIP. ON GRADE - 23% OF OPERATING WEIGHT.
FIXED EQUIP. ON STRUCTURE - 35% OF OPERATING WEIGHT.
SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE.

2. FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES.

B. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER OR THE FIELD REPRESENTATIVE OF THE GOVERNING JURISDICTION.

C. THE SEISMIC BRACING AND ANCHORAGE OF PIPING AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS" PUBLISHED BY SMACNA AND APPROVED BY THE GOVERNING JURISDICTION.

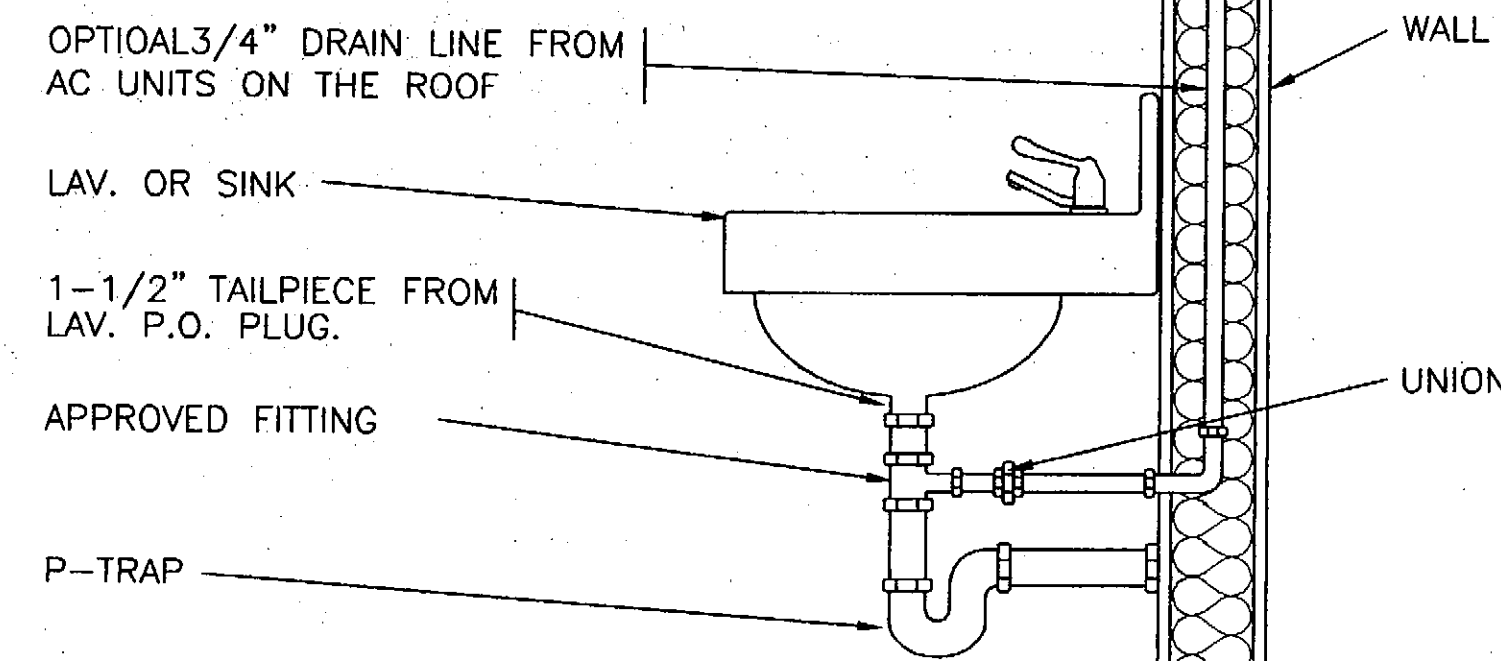
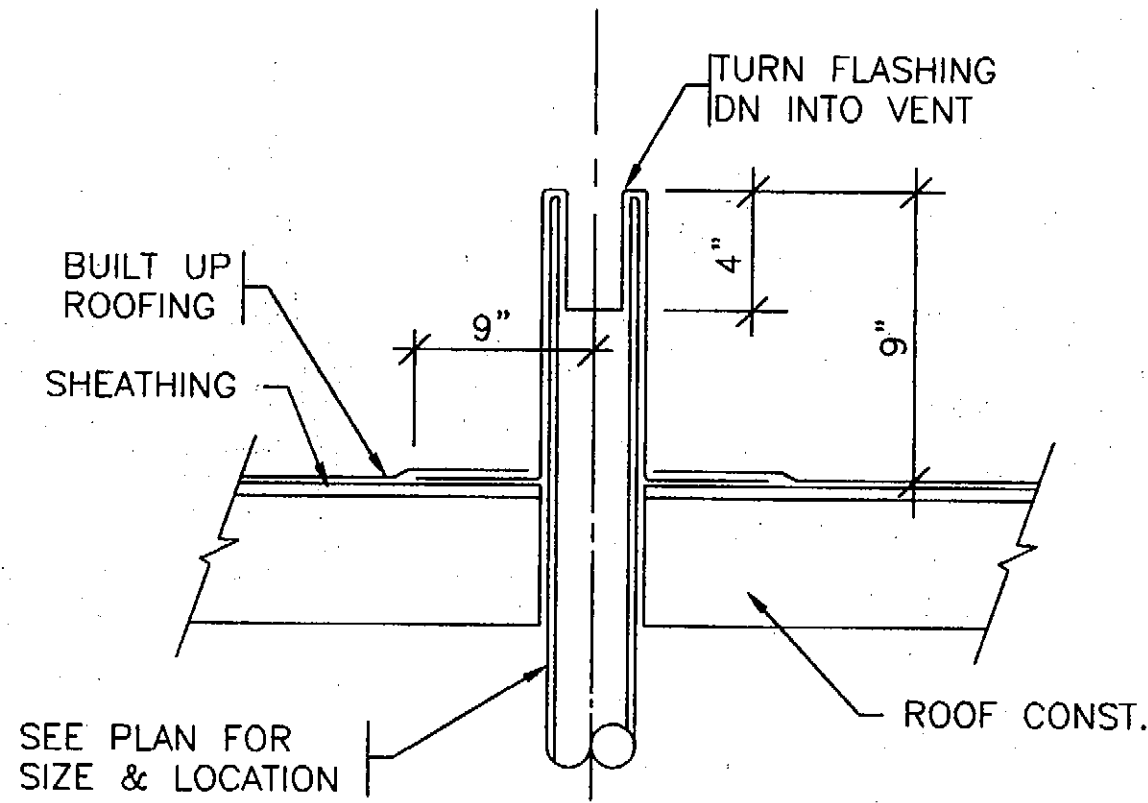
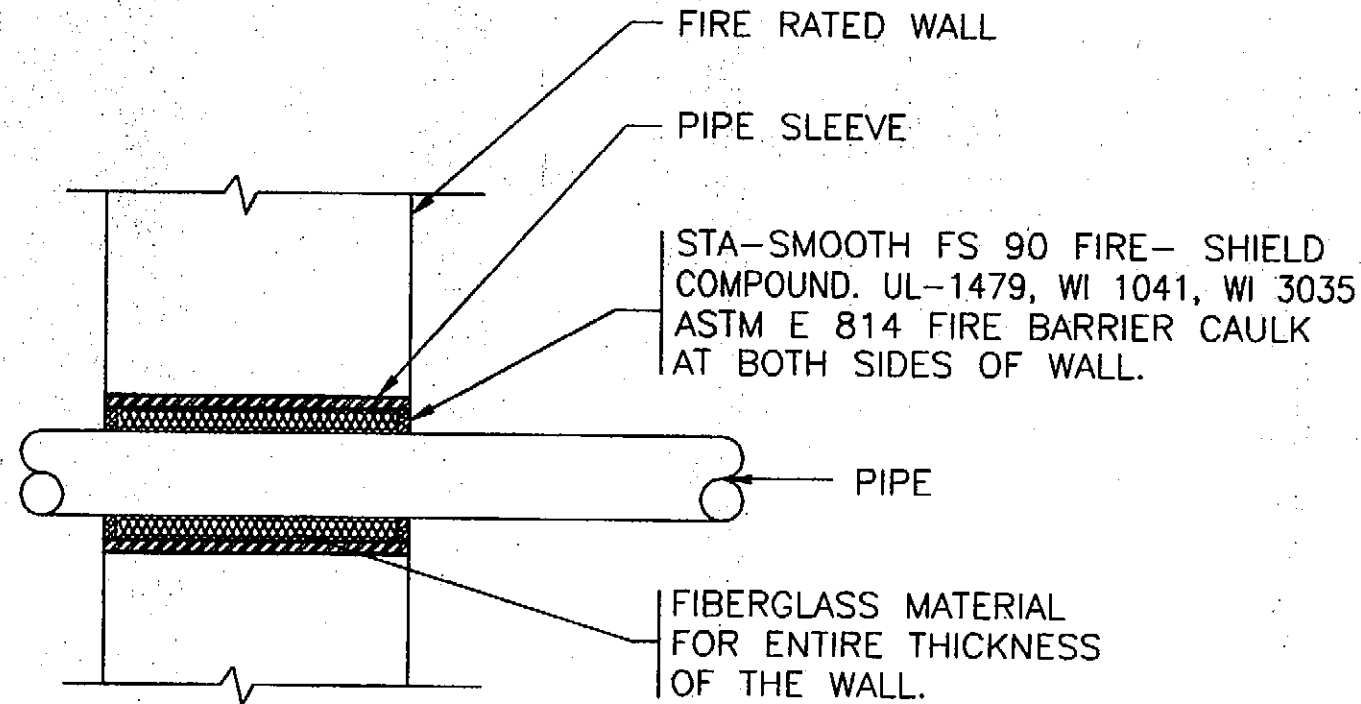
20. ALL BRACING OF PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES.

21. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT OR MECHANICAL ENGINEER.

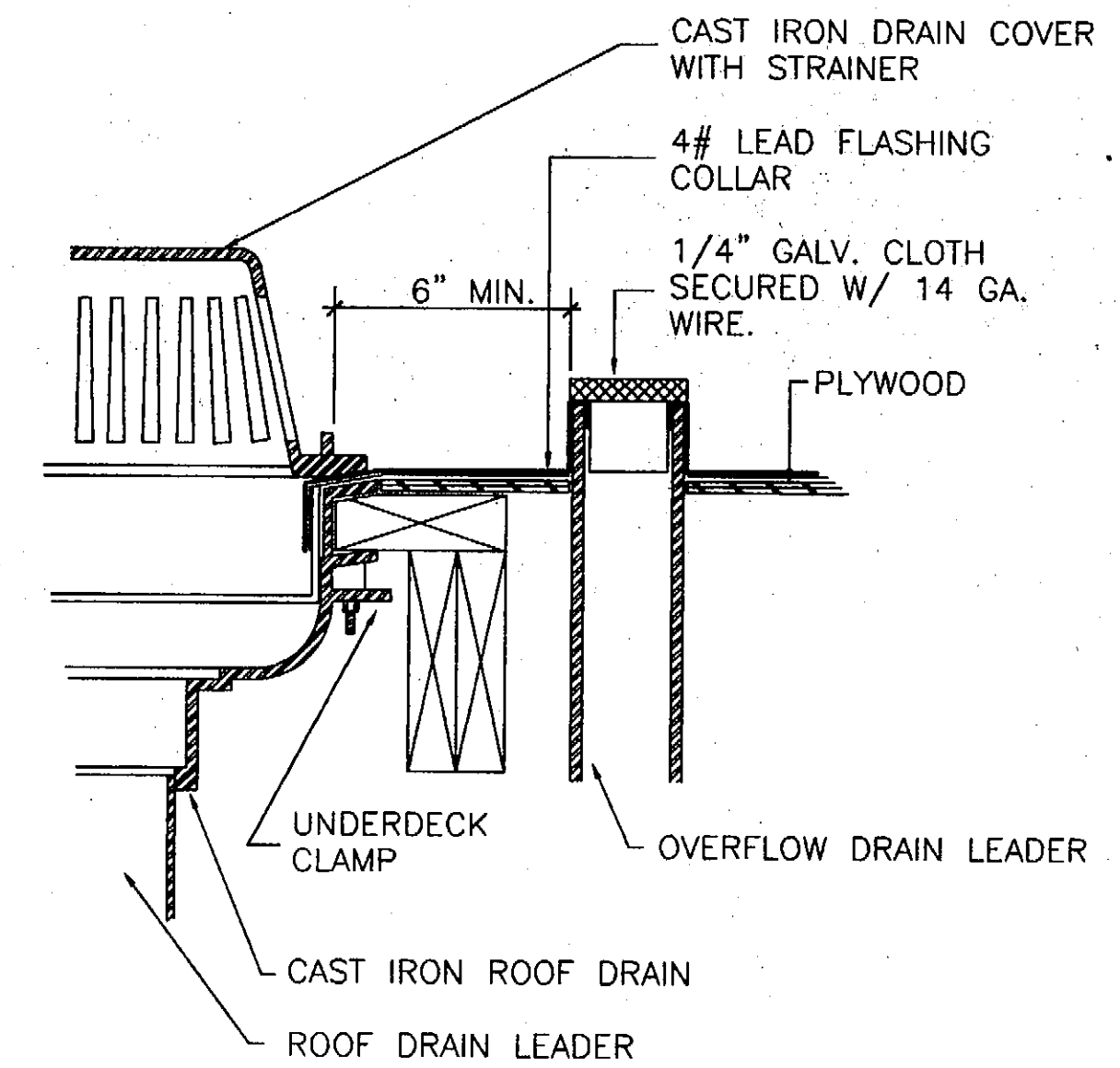
22. A COPY OF THE APPROVED GUIDELINES PUBLISHED BY SMACNA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE.

23. SAWCUTTING MAY BE REQUIRED FOR ALL PIPING TO BE INSTALLED BELOW FLOOR OR EXTERIOR CONCRETE.

24. ALL FLOOR DRAINS SHALL HAVE A SEAL PROTECTION PER UPC 1005.
- MATERIAL SCHEDULE
- WATER PIPE - BELOW GRADE AND DOWNSTREAM OF BUILDING S.O.V., TYPE "K" COPPER WITH WROUGHT COPPER FITTINGS; ABOVE GRADE, TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS. SOLDER WILL BE LEAD FREE TYPE.
- SOIL, WASTE AND VENT PIPE - BELOW AND ABOVE GRADE, ACRYLONITRILE-BUTADIENE-STYRENE (ABS) SDR 35, ASTM D2751. JOINTS - ELASTOMERIC TYPE ASTM D3212. CONTRACTOR TO VERIFY APPROVAL FOR USE BY LOCAL GOVERNING AUTHORITIES.
- GAS PIPE - SCHEDULE 40 BLACK STEEL PIPE WITH 150# MALLEABLE IRON SCREWED FITTINGS.
- CONDENSATE DRAIN PIPE - TYPE "L" COPPER.
- ROOF DRAIN PIPING - BELOW AND ABOVE GRADE, ACRYLONITRILE-BUTADIENE-STYRENE (ABS) SDR 35, ASTM D2751. JOINTS - ELASTOMERIC TYPE ASTM D3212. CONTRACTOR TO VERIFY APPROVAL FOR USE BY LOCAL GOVERNING AUTHORITIES.
- PLUMBING FIXTURE SCHEDULE
- | SYM | DESCRIPTION | WASTE | TRAP | VENT | CW | HW | REMARKS |
|----------|--------------------------------|-------|--------|--------|------|------|--|
| WC
1 | WATER CLOSET
ADA APPROVED | 3" | INT | 2" | 1" | — | ELONGATED TOILET, 1.6 GAL PER FLUSH, ADA FLUSH VALVE & HANDLE
VITREOUS CHINA, TOP OF SEAT TO BE BETWEEN 17 & 19 INCHES.
OPEN FRONT SEAT LESS COVER |
| WC
2 | WATER CLOSET | 3" | INT | 2" | 1" | — | ELONGATED TOILET, 1.6 GAL PER FLUSH, FLUSH VALVE
VITREOUS CHINA
OPEN FRONT SEAT LESS COVER |
| L
1 | LAVATORY | 2" | 1-1/2" | 1-1/2" | 1/2" | 1/2" | COUNTERTOP LAV., ENAMEL CAST IRON WHITE, W/ 4" FAUCET CENTERS. W/O POP UP DRAIN, SINGLE LEVER LAV FAUCET, TRAP & WATER INSULATION KIT, MOUNT AT ADA APPROVED HEIGHTS, ADA APPROVED FAUCET. |
| U
1 | URINAL
ADA APPROVED | 2" | INT | 1-1/2" | 3/4" | — | URINAL MOUNTED AT 17" ABOVE FINISH FLR. FOR HANDICAPPED USE. WHITE VITREOUS CHINA, SIPHON JET, FLUSHING RIM INTEGRAL TRAP, 3/4" INLET SPUD, OUTLET SPUD WITH 1-1/2" TUBING TAILPIECE, W/ SUPPORT HANGERS & BOLTS, ADA FLUSH VALVE & HANDLE |
| FD
1 | FLOOR DRAIN | 2" | 2" | — | — | — | TRAP DRAIN WITH INTERNAL CLEANOUT & TRAP PRIMER W/ VANDAL PROOF GRATE. |
| HB
1 | RECESSED HOSE BIBB | — | — | — | 3/4" | — | RECESSED WALL MOUNTED BOX W/ VACUUM BREAKER & LOCKING DOOR |
| HB
2 | HOSE BIBB | — | — | — | 3/4" | — | FREEZE PROOF HOSE BIBB W/ VACUUM BREAKER |
| WHA
1 | WATER HAMMER ARRESTER | — | — | — | — | — | WATER HAMMER ARRESTOR, SIZED AND INSTALLED PER MANUF. RECOMMENDATIONS BEHIND ACCESS PANEL |
| TP
1 | TRAP PRIMER | — | — | — | 1/2" | — | COPPER BODY TRAP PRIMER, ADJUSTABLE, COMPLETE W/ 1/2" COPPER TYPE |
| WH
1 | WATER HEATER | — | — | — | 3/4" | 3/4" | 15 GAL. ELECTRIC WATER HEATER 17-3/4" JACKET 208 / 230 VOLT 2,000 WATT 1 PHASE, 65 LB., SHIPPING WT. PROVIDE TEMP. AND PRESSURE RELIEF VALVE, RUN TO THE OUTSIDE, PROVIDE SEISMIC STRAPS, ONE LOCATED IN THE TOP 1/3 OF THE TANK & ONE IN THE LOWER 1/3 OF THE TANK. |
| WH
2 | INSTANTANEOUS WATER HEATER | — | — | — | 3/8" | 3/8" | INSTANTANEOUS ELECTRIC WATER HEATER UNDER COUNTER MOUNT, 208 VOLT 35 AMPS |
| RD
1 | ROOF DRAIN | 4" | — | — | — | — | ROOF DRAIN WITH SEPARATE OVERFLOW. |
| HS
1 | ENAMEL STEEL SINK | 2" | 1-1/2" | 1-1/2" | 1/2" | 1/2" | ADA SINGLE COMPARTMENT 26"x22" O.D. 6-1/2" DEEP, NON-ABRASIVE SOUND DEADENER, TRAP & WATER INSULATION KIT, MOUNT AT ADA APPROVED HEIGHTS, ADA APPROVED SINGLE LEVER FAUCET. |
| MS
1 | MOP SINK | 3" | 3" | 2" | 3/4" | 3/4" | CORNER MODEL FLOOR MOUNT MOP & SERVICE SINK, SERVICE SINK FAUCET W/ HOSE END AND VAC. BREAKER W/ ROUGH CHROME FINISH. |
| EDF
1 | ELECTRIC DRINKING FOUNTAIN ADA | 2" | 1-1/2" | 1-1/2" | 1/2" | — | WALL HUNG SINGLE UNIT ADA COMPLIANT TO PROVIDE 8 GPH, REFRIGERATED |
- B22-00 - Undergrnd Plumbing G K/f
- PLUMBING LEGEND
- | SYMBOL | ABBREV | DESCRIPTION |
|--------|--------|-----------------------------|
| | S/W | EXISTING SEWER / WASTE |
| | V | SANITARY VENT |
| | CW | COLD WATER |
| | HW | HOT WATER |
| | HWR | HOT WATER RETURN |
| | G | GAS |
| | CD | CONDENSATE DRAIN |
| | FCO | FLOOR CLEAN OUT |
| | WCO | WALL CLEAN OUT |
| | YCO | YARD CLEAN OUT |
| | GV | GATE VALVE |
| | GC | GAS COCK |
| | POC | POINT OF CONNECTION |
| | SOV | SHUT OFF VALVE |
| | ABV | ABOVE |
| | BEL | BELOW |
| | DN | DOWN |
| | CLG | CEILING |
| | FLR | FLOOR |
| | VTR | VENT THROUGH ROOF |
| | CONT | CONTINUE |
| | AP | ACCESS PANEL |
| | T | TRAP PRIMER COLD WATER LINE |
| | HB | HOSE BIBB |
| | # | CONSTRUCTION NOTE |
| | COTG | CLEAN OUT TO GRADE |
- CONSTRUCTION SET
- REVISIONS
- GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE: (909) 889-4480 FAX: (909) 384-9034
350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401
- MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA
- SHEET TITLE
PLUMBING SCHEDULES
- SCALE:
- DRAWN BY:
- MSF
- CHECKED BY:
- GARY M.
- JOB NUMBER:
- 99870
- DATE:
- JANUARY, 2000
- SHEET
- PI



ROOF DRAINS PER UPC CHAPTER 11. STORM DRAINAGE. MUST HAVE SEPARATE PLUMBING. ALL TERMINATION POINTS TO BE TO THE OUTSIDE OF THE BUILDING. DEVICES MUST NOT FLOW OVER WALKS.



PIPE THRU FIRE WALL

NTS

VENT THRU ROOF DETAIL

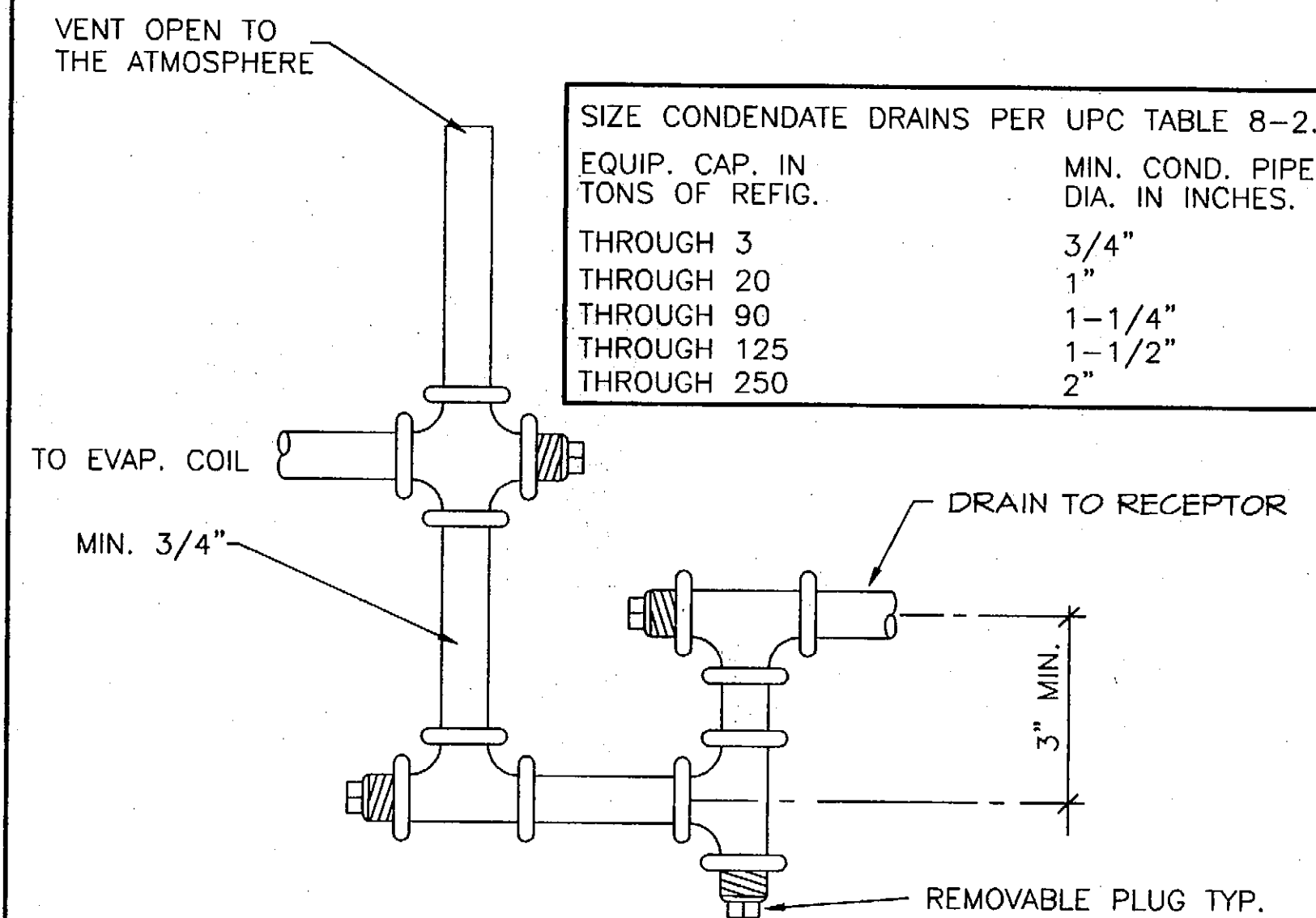
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DRAIN AT TAILPIECE

NTS

ROOF DRAIN AND OVERFLOW

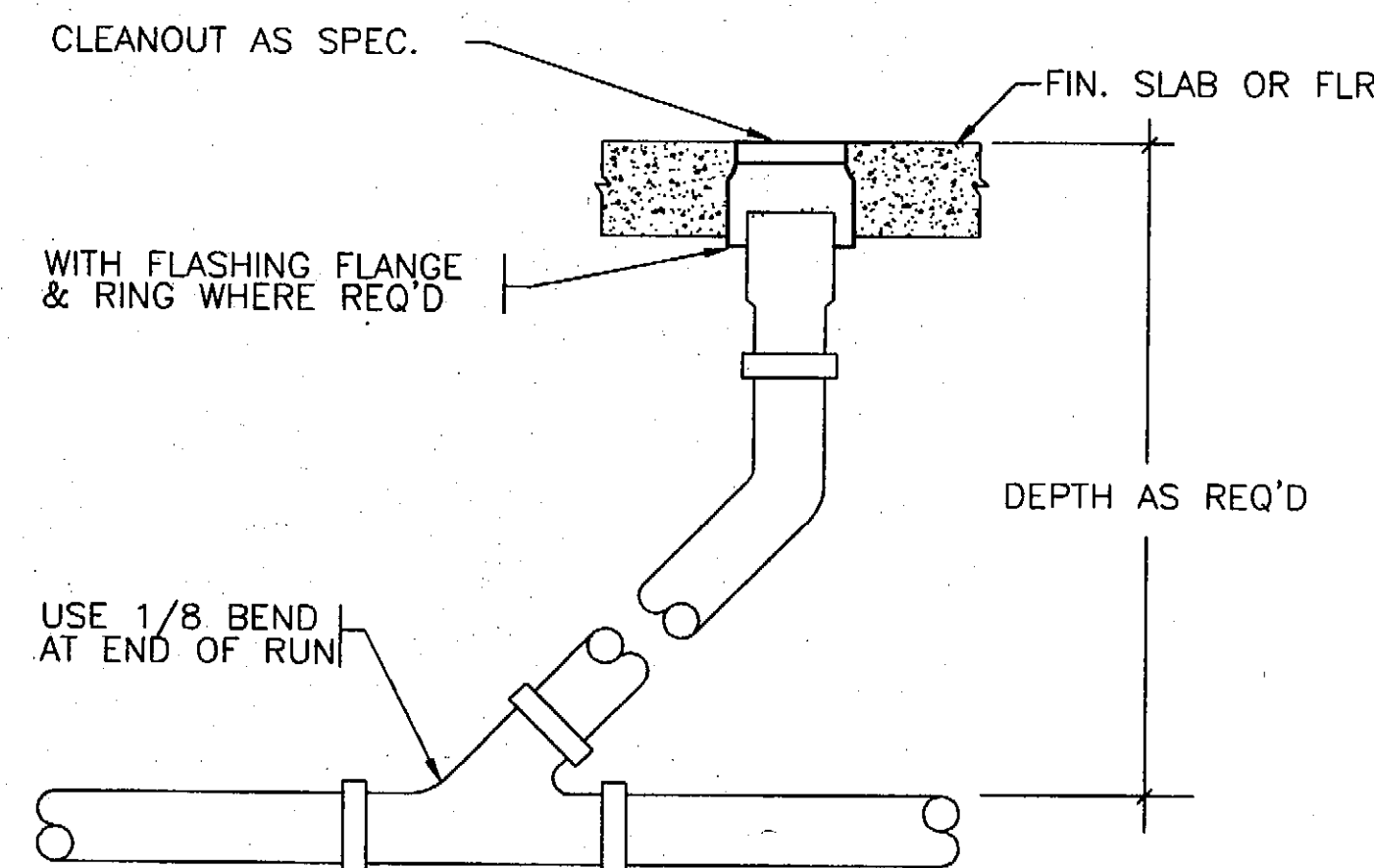
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USE TYPE "L" COPPER. SLOPE 1% OR 1/8" TO THE FOOT.

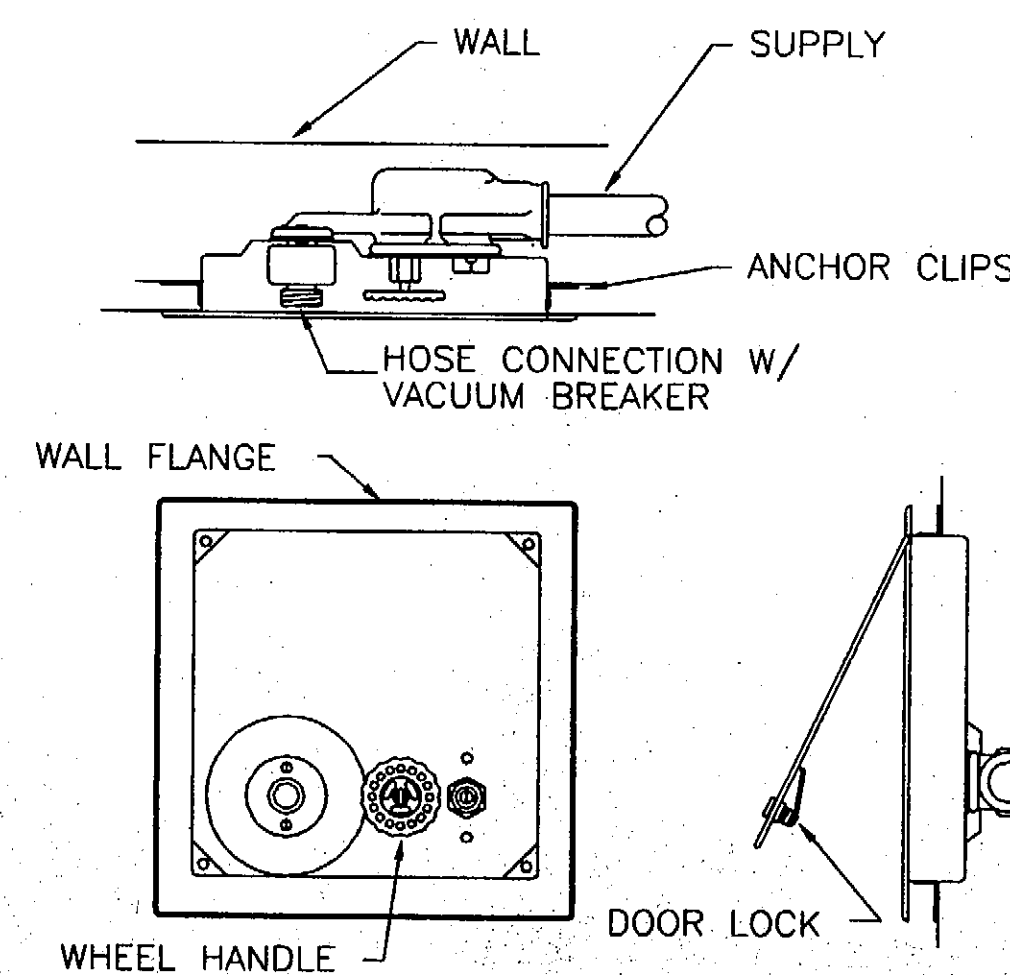
CONDENSATE DRN.

NTS



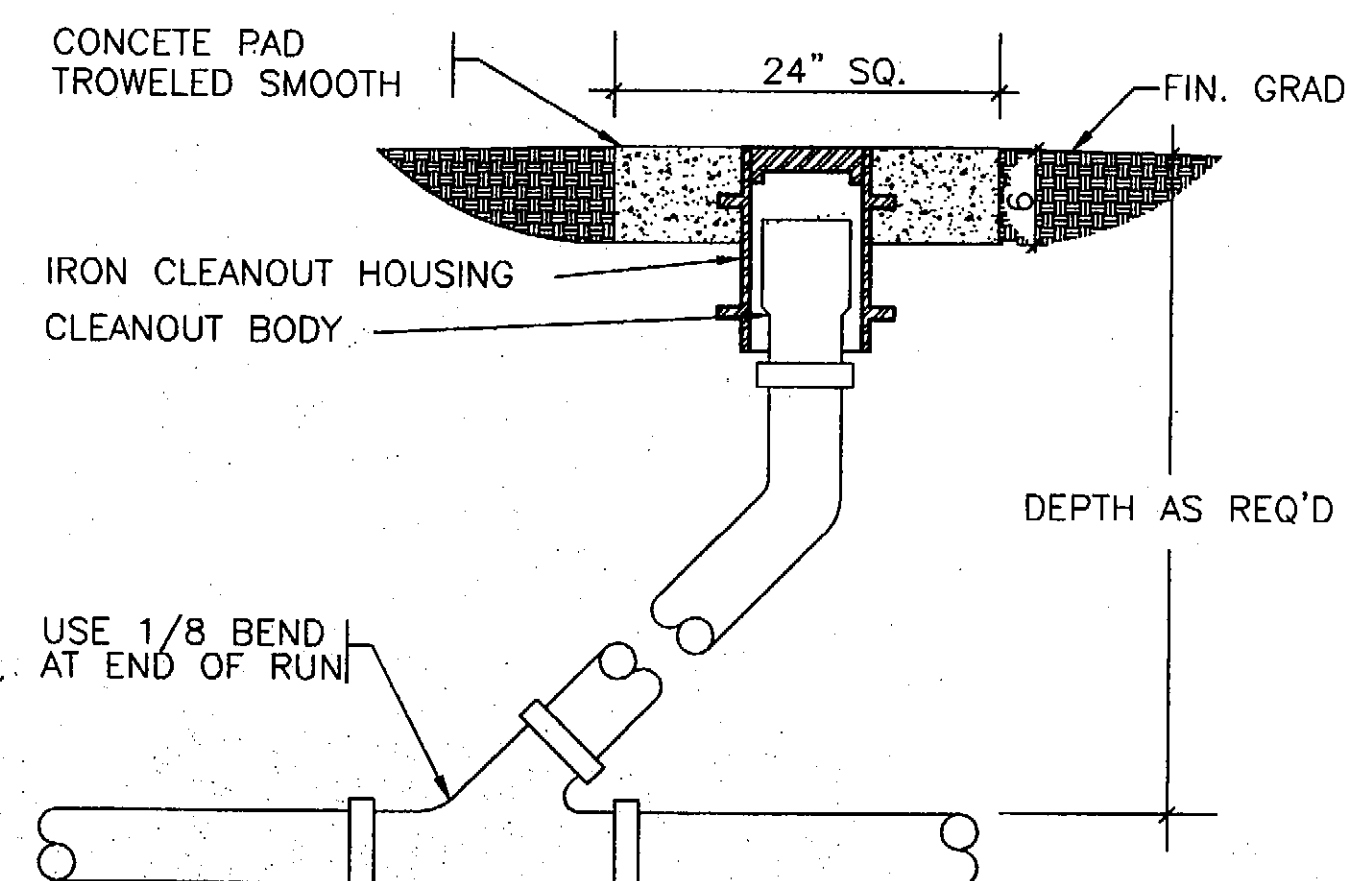
FLOOR CLEANOUT

NTS



HOSE BOX W/ DOOR LOCK

NTS

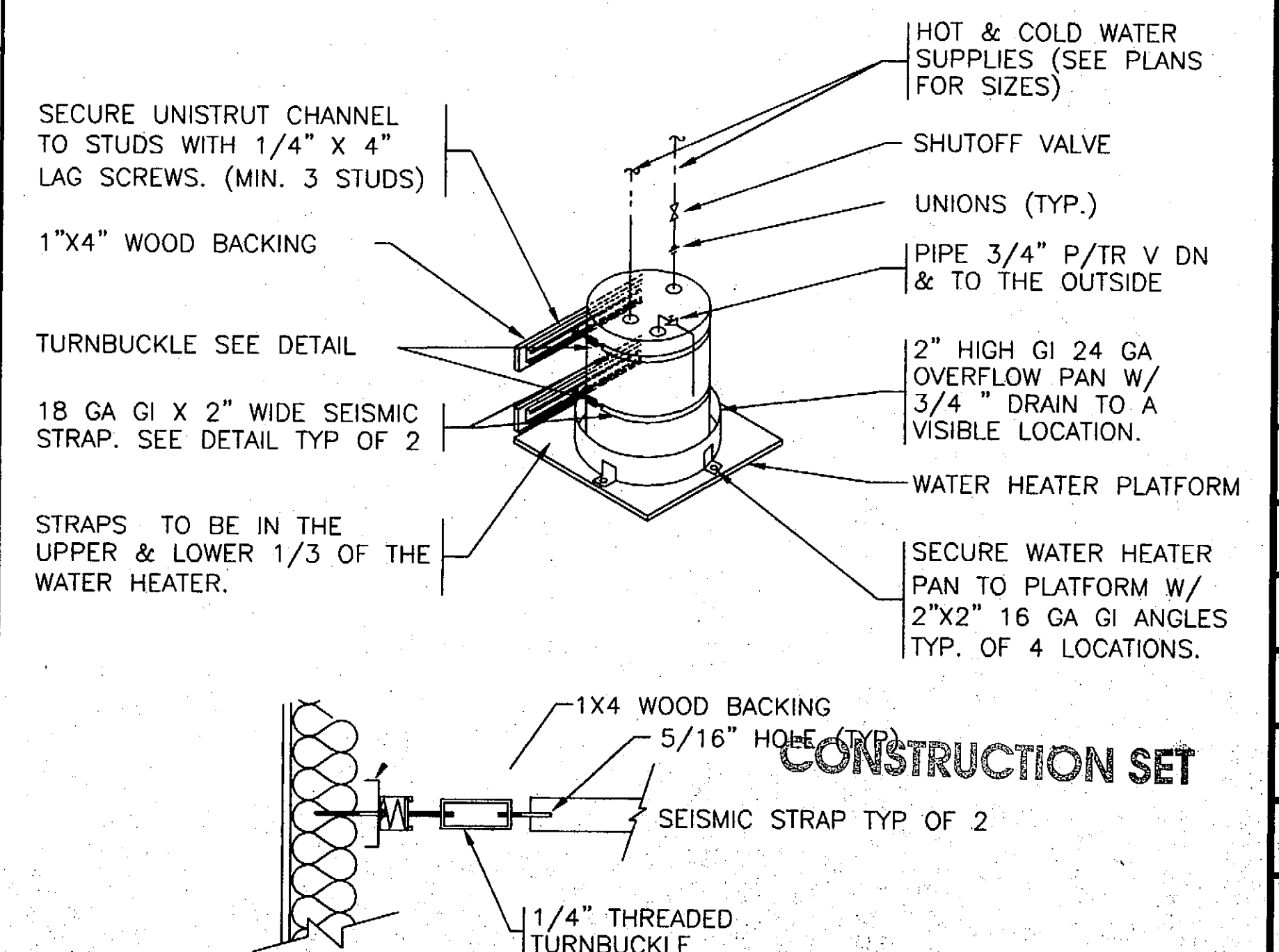


CLEANOUT TO GRADE

NTS

WALL CLEANOUT

NTS



WATER HEATER

NTS

REVISIONS

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350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
PLUMBING DETAILS

SCALE:

DRAWN BY:

MSF

CHECKED BY:

GARY M.

JOB NUMBER:

99870

DATE:

JANUARY, 2000

SHEET

P3

GENERAL NOTES

1. TEMPERATURE SHALL BE CAPABLE OF BEING SET FROM 55 DEG. TO 85 DEG. F. AND HAVE THE ABILITY TO OPERATE THE HEATING AND COOLING IN SEQUENCE, IF BOTH ARE PROVIDED. CONTROL SHALL BE ADJUSTABLE TO PROVIDE A RANGE OF UP TO 10 DEG. F. BETWEEN FULL HEATING AND FULL COOLING, AND HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 DEG. F. AND COOLING AT A TEMPERATURE NOT LESS THAN 78 DEG.F.

2. EACH HVAC SYSTEM SHALL HAVE A DEVISE TO SHUT-OFF OR SET-BACK EACH SYSTEM DURING OFF HOURS. SET T-STAT TO PURGE SUITE ONE HOUR BEFORE OCCUPANCY.

3. EACH HVAC SYSTEM MUST BE CAPABLE OF SUPPLYING MINIMUM LEVELS OF OUTDOOR AIR PER ASHRAE STANDARDS 62-1981 TABLE 3 SECTION 6.1. SMOKING AREAS 20 CFM PER PERSON, NON-SMOKING AREA 15 CFM PER PERSON, UBC MIN. 15 CFM PER PERSON OF O.S.A.

4. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAMESPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF SECTION 601.3 OF THE UMC.

5. ALL PIPING SHALL BE INSULATED IN ACCORDANCE WITH CEC TABLE 2-53E.

6. TRANSVERSE JOINTS SHALL BE SEALED WITH APPROVED MASTIC OR TAPE. UMC CHAP. 6 SEC. 601.5.

7. INSTALLATION OF DUCTS UMC CHAP. 6 SEC. 603.

8. INSULATION OF DUCTS UMC CHAP. 6 SEC 604 TABLE No. 6-D & INSTALLED TO MEET FLAME SPREAD, SMOKE DENSITY REQUIREMENTS.

9. ALL HEATING & COOLING EQUIPMENT SHALL BE LISTED BY THE CEC.

10. ALL HEATING & COOLING EQUIPMENT SHALL MEET OR EXCEED THE EQUIPMENT EFFICIENCY.

11. GAS APPLIANCES SHALL HAVE PILOTLESS IGNITION.

12. DAMPER WHICH WILL AUTOMATICALLY CLOSE ON FAN SHUT DOWN WILL BE PROVIDED FOR EACH EXHAUST FAN.

13. WATER HEATERS OF DOMESTIC & POOL HEATERS SHALL BE C.E.C. APPROVED.

14. MAINTENANCE LABELS WILL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNERS USE.

15. WORK SHALL CONFORM TO LOCAL CODES & REQUIREMENTS, LATEST EDITION OF THE UBC, LATEST EDITION OF THE UMC & LATEST EDITION OF UPC.

16. VERIFY ALL DIMENSIONS IN THE FIELD, NO EXCEPTION. PLANS ARE SCHEMATIC. FIELD VERIFY ALL CONDITIONS.

17. TO ACCOMMODATE SPACE, DUCT MAY BE CHANGED FROM ROUND TO RECTANGLE AND FROM RECTANGLE TO ROUND WITH PROPER SIZING AND PROPER FITTINGS. WEATHER EXPOSED ROOF MOUNTED DUCT TO REMAIN RECTANGLE. VERIFY WITH SPECIFICATIONS.

18. HVAC CONTRACTOR SHALL TEST & BALANCE THE AIR DISTRIBUTION SYSTEM. OUTSIDE AIR CERTIFICATION SHALL BE PROVIDED.

19. HVAC CONTRACTOR IS RESPONSIBLE FOR MEETING ALL CONDITIONS OF THE CEC MANDATORY MEASURES THAT ARE APPLICABLE TO HIS SCOPE OF WORK.

20. CONDENSATE DRAINS TO BE RUN TO APPROPRIATE RECEPTACLE. UMC SEC. 310. ATTIC MOUNT HVAC OVER FLOW PAN DRAIN TO BE RUN TO A READILY OBSERVED LOCATION UMC SEC. 310.
21. FLEXIBLE DUCTWORK MAY BE USED THE LAST 7 FEET TO CONNECT TO REGISTRARS AND GRILLES. VERIFY WITH SPECIFICATIONS.

22. GRILLES AND REGISTRARS TO BE METAL-AIRE OR EQUAL SUPPLY REGISTRARS TO HAVE OPPOSED BLADE DAMPERS.

23. PROVIDE COMBUSTION AIR PER UMC CHAPTER 7 1994 EDITION. ONE SQUARE INCH FOR EVERY 1,000 BTUS. HIGH AND LOW COMBUSTION AIR CONDITIONS MUST BE MET.

24. AUTOMATIC FIRE/SMOKE DAMPERS TO BE INSTALLED IN ALL REGISTRARS AND DUCTS PASSING THRU DRAFT STOPS AND FIRE SEPARATIONS. VERIFY ALL LOCATIONS WITH ARCHITECTURAL DRAWINGS. LOCATION OF FIRE-RATED ASSEMBLIES (ie CEILINGS, WALLS) ARE AS INDICATED ON THE ARCHITECTURAL DRAWINGS. THIS NOTE TAKES PRECEDENCE OVER ANY OMISSION ON THE DRAWINGS. PROVIDE THRU DOORS OR REMOVABLE PANELS. PROPER ACCESS TO ALL COMPONENTS OF SAID DAMPERS. PROVIDE ASBUILT DRAWINGS SHOWING ALL LOCATIONS OF DAMPERS, ACCESSES AND CONTROLS. ALSO PROVIDE IN WRITING ALL MAINTENANCE AND PROCEDURES TO MAINTAIN AND RESET DAMPERS.

25. ALL EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THIS SECTION OF THE SPECIFICATIONS.

26. ALL SHEET METAL CONSTRUCTION AND GAGES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND ASHRAE CODES. TAPE ALL TRANSVERSE AND LONGITUDINAL JOINTS, SUPPLY AND RETURN DUCTS. TAPE MUST BE UL 181B LISTED TAPE.

27. WHERE INTERIOR OF DUCTWORK IS VISIBLE THRU AN AIR OUTLET, INSIDE OF DUCT SHALL BE PAINTED WITH A FLAT BLACK PRIMER, OR LINING SHALL HAVE BLACK FACING.

28. ALL MATERIALS AND EQUIPMENT PROVIDED AND/OR INSTALLED SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER. ANY DEFECTIVE MATERIALS OR INFERIOR WORKMANSHIP SHALL BE CORRECTED TO THE ENTIRE SATISFACTION OF THE OWNER.

29. WITHIN 14 DAYS AFTER AWARD OF CONTRACT SUBMIT FIVE (5) COPIES OF REQUIRED SHOP DRAWINGS, MATERIAL LISTS, AND EQUIPMENT SPECIFICATIONS OF ITEMS PROPOSED FOR INSTALLATIONS.

30. GENERAL CONTRACTOR: CURBING, LEVEL PLATFORMS, FRAMED OPENING, DOOR LOUVERS, (DL), UNDERCUT DOORS (UC), EXTERIOR LOUVERS, SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.

31. WHERE MULTIPLE HVAC SYSTEMS ARE PROVIDED, EACH SYSTEM SHALL BE PERMANENTLY IDENTIFIED AS TO THE AREA IT SERVES. UMC SEC. 304.5.

32. PROVIDE 120 VOLT OUTLET WITHIN 25 FEET OF HVAC EQUIPMENT. UMC SEC. 309

33. EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2000 CFM SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFFS SHALL SHUT DOWN THE AIR-MOVING EQUIPMENT WHEN SMOKE IS DETECTED IN THE MAIN SUPPLY-AIR DUCT. SMOKE DETECTION REQUIRED BY UMC SEC. 608 SHALL BE BY SMOKE DETECTOR INSTALLED IN THE MAIN SUPPLY-AIR DUCT. ACTIVATION OF ANY DETECTOR SHALL CAUSE THE AIR-MOVING EQUIPMENT TO AUTOMATICALLY SHUT DOWN.

34. EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS OF MORE THAN 50 VOLTS SHALL HAVE A POSITIVE MEANS OF DISCONNECT ADJACENT TO AND IN SIGHT FROM THE EQUIPMENT SERVED. UMC 309.1

35. ALL THERMOSTATS, SWITCHES, AND CONTROLLERS SHALL BE LOCATED 48" MAX. ABOVE THE FINISH FLOOR.

H.V.A.C. EQUIPMENT SCHEDULE

SYM	MANUFACTURER MODEL #	COOLING CAP. @ ARI STD	EER	HEATING CAPACITY INPUT OUTPUT	AFUE CFM	ESP	HP	VOLT	PH	MCA	FLA	MCOP	WT.	OSA	ECONO- MIZER
F1	CARRIER 58WAV045-08	-----	----	44,000 35,000	80% 800	0.5	1/5	115	1	6.0	2.9	15	165	300	NO
F2	CARRIER 58WAV045-08	-----	----	44,000 35,000	80% 800	0.5	1/5	115	1	6.0	2.9	15	165	200	NO
F3	CARRIER 58WAV111-20	-----	----	110,000 89,000	80% 2000	0.5	3/4	115	1	14.4	11.1	20	235	300	NO
F4	CARRIER 58WAV091-16	-----	----	88,000 71,000	80% 1600	0.5	1/2	115	1	10.4	7.9	15	205	300	NO
F5	CARRIER 58WAV111-20	-----	----	110,000 89,000	80% 2000	0.5	3/4	115	1	14.4	11.1	20	235	300	NO
CU1	CARRIER 38CKW024-30	24,000	9.1	-----	-----	-----	-----	208	1	15.4	12.5	20	122	----	NO
CU2	CARRIER 38CKW024-30	24,000	9.1	-----	-----	-----	-----	230	1	15.4	12.5	20	122	----	NO
CU3	CARRIER 38CKW060-50	60,000	9.4	-----	-----	-----	-----	208	3	21.4	17.4	30	238	----	NO
CU4	CARRIER 38CKW048-50	48,000	9.2	-----	-----	-----	-----	230	3	19.0	15.5	25	197	----	NO
CU5	CARRIER 38CKW060-50	60,000	9.4	-----	-----	-----	-----	208	3	21.4	17.4	30	238	----	NO

REMARKS/ACCESS.
PROVIDE VENSTAR T250N WITH REMOTE BULB THERMOSTAT. LOCATE BULB IN RA DUCT. VERIFY ALL CONTROL REQUIREMENTS WITH MANUFACTURER. LOCATE T-STATS PER OWNER RECOMMENDATIONS. PROVIDE PROPER LINESET. RUN CONDENSATE DRAIN TO FLR SINK OVERFLOW DRAIN TO A VISIBLE OUTSIDE LOCATION. ISOLATION PADS AT EACH OF THE FOUR CORNERS OF THE FURNACE AND EVAP. COIL. LOCATE OUTSIDE AIR A MIN. OF 10 FT. FROM ANY EXHAUST OR PLUMBING VENT. FILTERS TO BE LOCATED AT THE FURNACE. PROVIDE SMOKE DETECTORS F-3 & F-5

EXHAUST FAN SCHEDULE

SYM	MANUFACTURER MODEL #	AREA SERVICED	CFM	ESP	WATTS	VOLT	PH	AMPS	RPM	WT.	BACK DRAFTDAMPER	MISC.
EF1	BROAN 361MG	MENS RESTROOM	160	----	----	120	1	1.2	----	15	YES	PROVIDE 6" VENT W/ ROOF VENT TERMINATION
EF2	BROAN 361MG	WOMENS RESTROOM	160	----	----	120	1	1.2	----	15	YES	PROVIDE 6" VENT W/ ROOF VENT TERMINATION
EF2	BROAN 361MG	MECH. CUST.	160	----	----	120	1	1.2	----	15	YES	PROVIDE 6" VENT W/ ROOF VENT TERMINATION

REMARKS/ACCESS. EF-1, 2, 3 INTERLOCK WITH LIGHTS. PROVIDE PROPER ROOF FLASHINGS.

AIR DISTRIBUTION SCHEDULE

SYM	MANUFACTURER MODEL #	SIZE	THROW	REMARKS/ACCESS.
R-1 CFM	METAL-AIRE	12"x6"	3	OFF WHITE IN COLOR. PROVIDE OBD'S
R-2 CFM	LS3D	14"x8"	SWS	OFF WHITE IN COLOR. PROVIDE OBD'S
R-3 CFM	METAL-AIRE V4004D	18"x12"	SWS	OFF WHITE IN COLOR. PROVIDE OBD'S
R-4 CFM	METAL-AIRE SERIES 9000-6P	12"x12"	4	OFF WHITE IN COLOR. PROVIDE OBD'S T-BAR
R-5 CFM	METAL-AIRE SERIES 9000-6P	14"x14"	4	OFF WHITE IN COLOR. PROVIDE OBD'S T-BAR
R-6 CFM	METAL-AIRE 4000VM	18"x12"	SWR	OFF WHITE IN COLOR. PROVIDE OBD'S
R-7 CFM	METAL-AIRE RH	30"x6"	SWR	OFF WHITE IN COLOR. PROVIDE OBD'S
R-8 CFM	METAL-AIRE RH	40"x14"	SWR	OFF WHITE IN COLOR. PROVIDE OBD'S
R-9 CFM	METAL-AIRE RH	12"x12"	1	OFF WHITE IN COLOR. PROVIDE OBD'S T-BAR
R-10 CFM	METAL-AIRE RH	16"x16"	1	OFF WHITE IN COLOR. PROVIDE OBD'S T-BAR
R-11 CFM	METAL-AIRE RH	18"x18"	1	OFF WHITE IN COLOR. PROVIDE OBD'S T-BAR

FIELD VERIFY AND COORDINATE W/ ARCHITECT'S REFLECTED CEILING PLAN ALL GRILLE AND REGISTER LOCATIONS.

REVISIONS

GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE: (909) 889-4480 FAX: (909) 384-9034
350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
MECHANICAL SCHEDULES

SCALE:

DRAWN BY:
MSF

CHECKED BY:
GARY M.

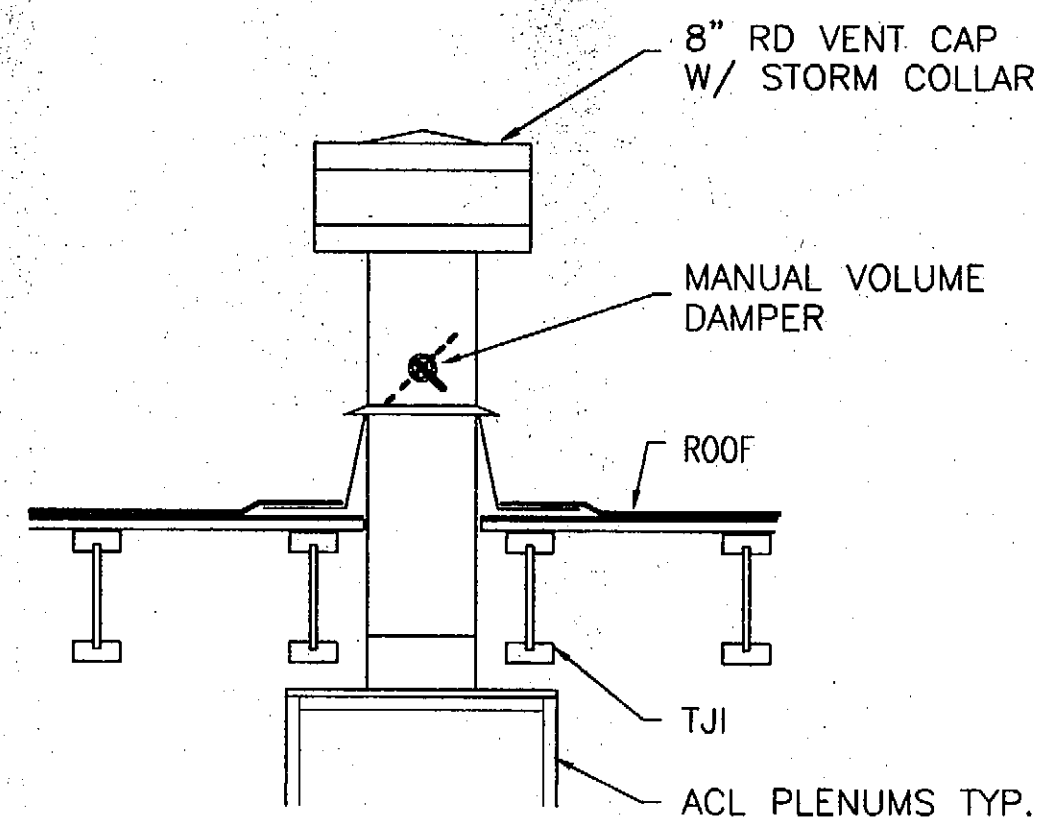
JOB NUMBER:
99870

DATE:
JANUARY, 2000

SHEET

M1

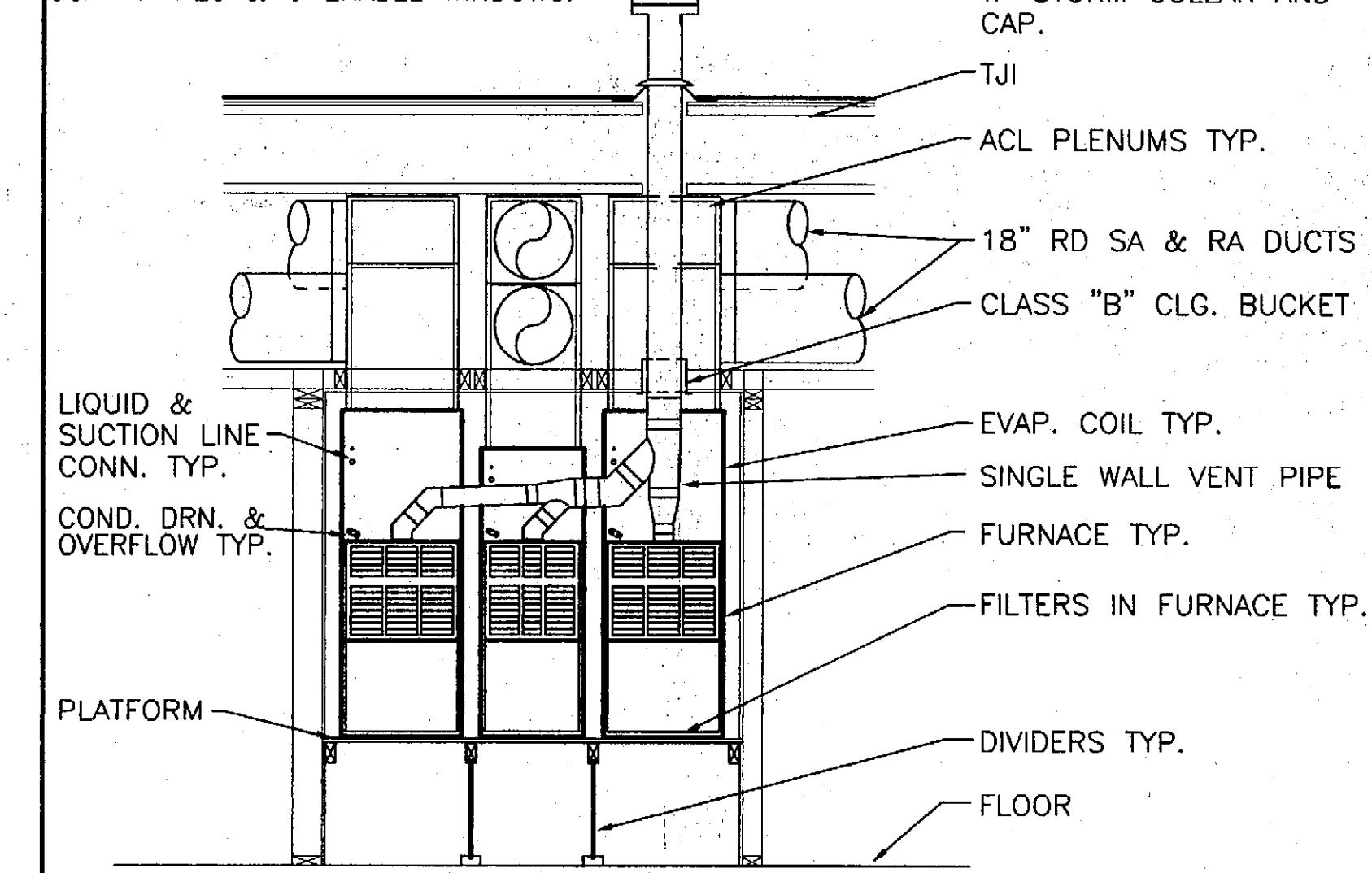
MAINTAIN A MIN. OF 10 FT FROM
PLUMBING VENTS AND FURNACE FLUES.



OSA THRU ROOF

NTS

MAINTAIN A MIN. OF 10 FT FROM
OSA INTAKES & OPERABLE WINDOWS.



FURNACES IN MECH. / CUST. 112 NTS

READING AREA

CIRCULATION
DESK
104

LIBRARY
102

OFFICE
103

WORK ROOM
105

BREAK ROOM
106

MEETING ROOM
107

FOYER
101

14"x4" COMB. AIR VENTS
1- IN CLG., 1- ABV. FIN FLR.

6" ABS UNDERGROUND CONDUIT FOR
REFRIGERATION LINESETS AND LOW
VOLTAGE CONTROL WIRING. TYP. OF 5.

MECHANICAL AREA

ELECT.
PANEL
115

FRIENDS STOR.
113

MECH./CUST.
112

MEN
111

WOMEN
110

MECHANICAL PLAN

SCALE: 3/16" = 1'-0"



CONSTRUCTION SET

REVISIONS

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WILDOMAR, CALIFORNIA

SHEET TITLE
MECHANICAL PLAN

SCALE:

DRAWN BY:

MSF

CHECKED BY:

GARY M.

JOB NUMBER:

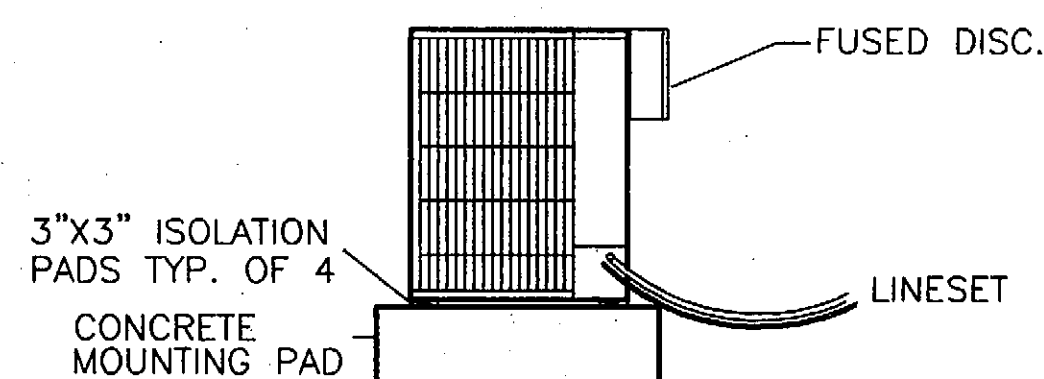
99870

DATE:

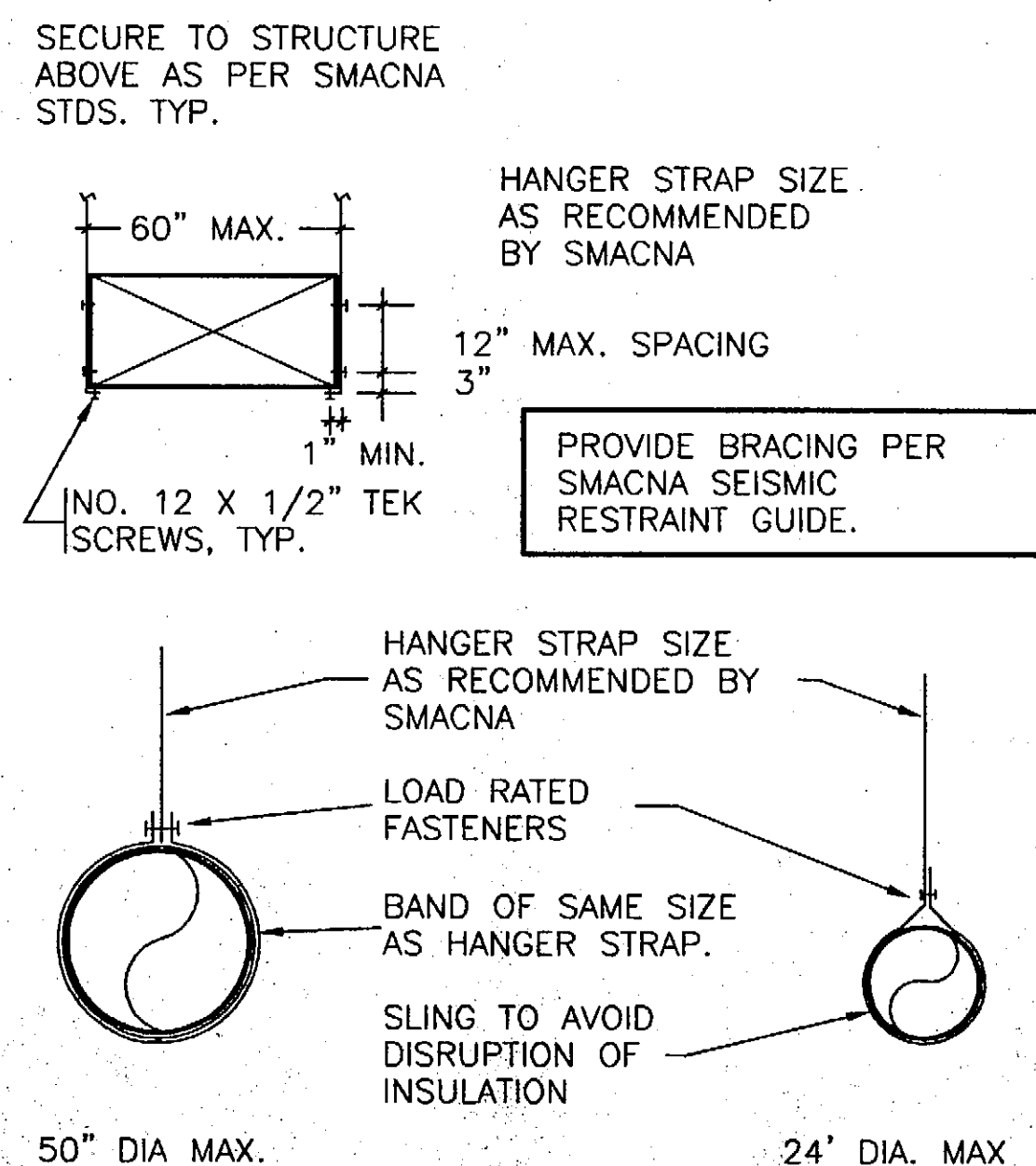
JANUARY, 2000

SHEET

M2



CONDENSING UNIT

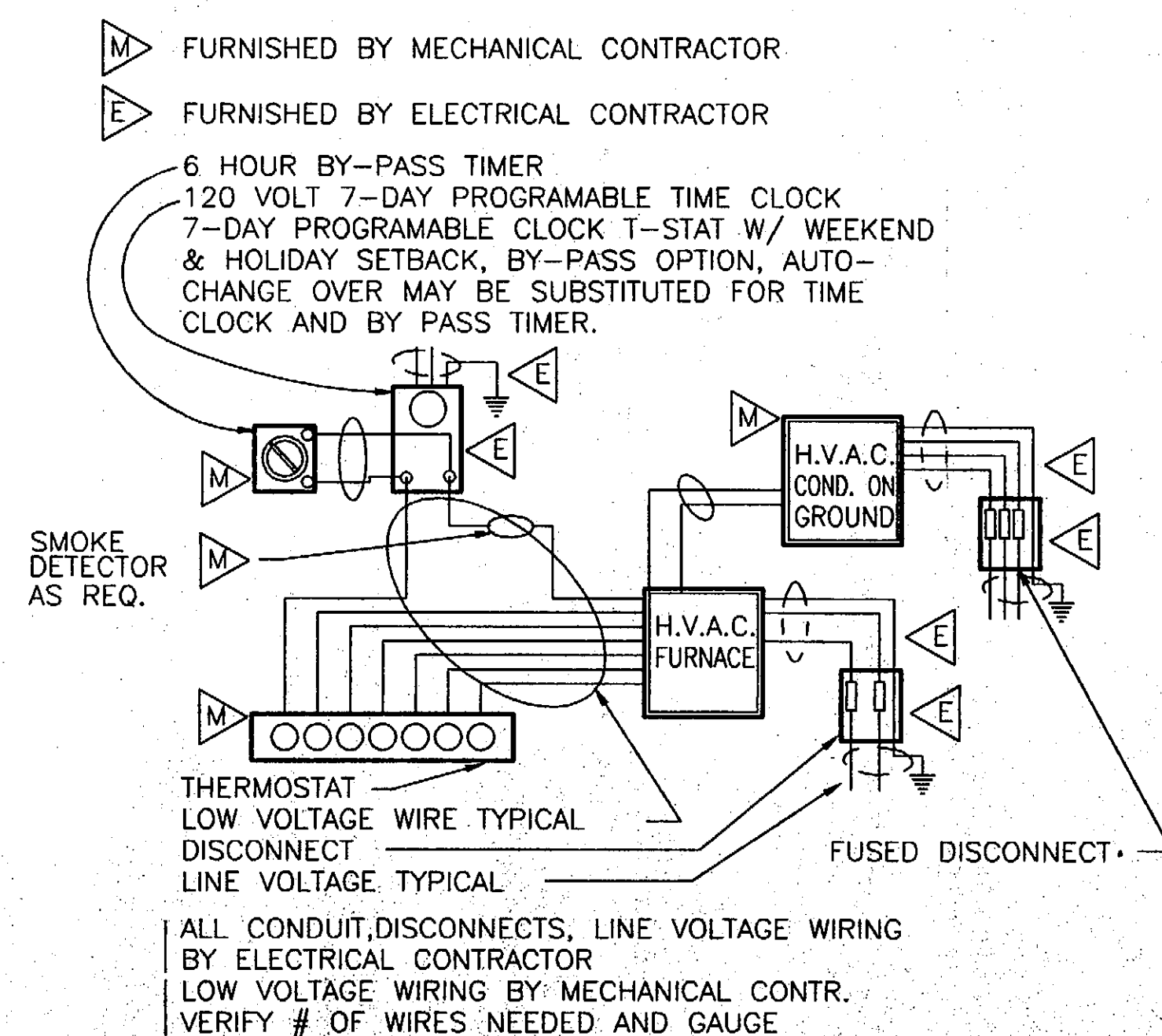


DUCT HANGERS

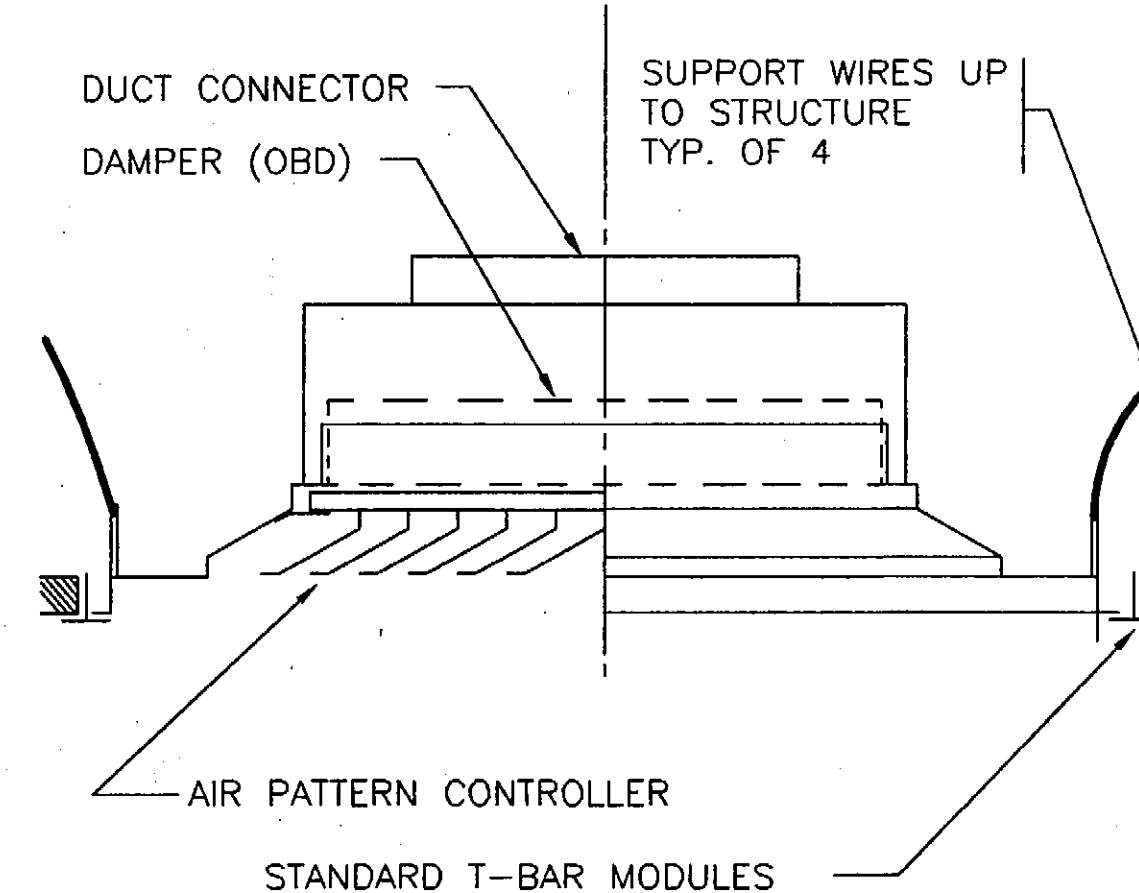
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)					
			AT JOINTS					
			MIN. H. IN.	DRIVE SLIP	HEMMED S SLIP	ALTERN'T BAR SLIP	REIN-FORCED BAR SLIP	
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24	
13 - 18	24	NONE REQUIRED	1	24	24	24	24	
19 - 30	24	1"x1"x1/8" @ 60 IN	1	-	24	24	24	
31 - 36	22	1"x1"x1/8" @ 60 IN	1	-	-	22	22	

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.
(2) LONGITUDINAL JOINTS TO BE PITTSBURG OR SNAP LOCK TYPE.

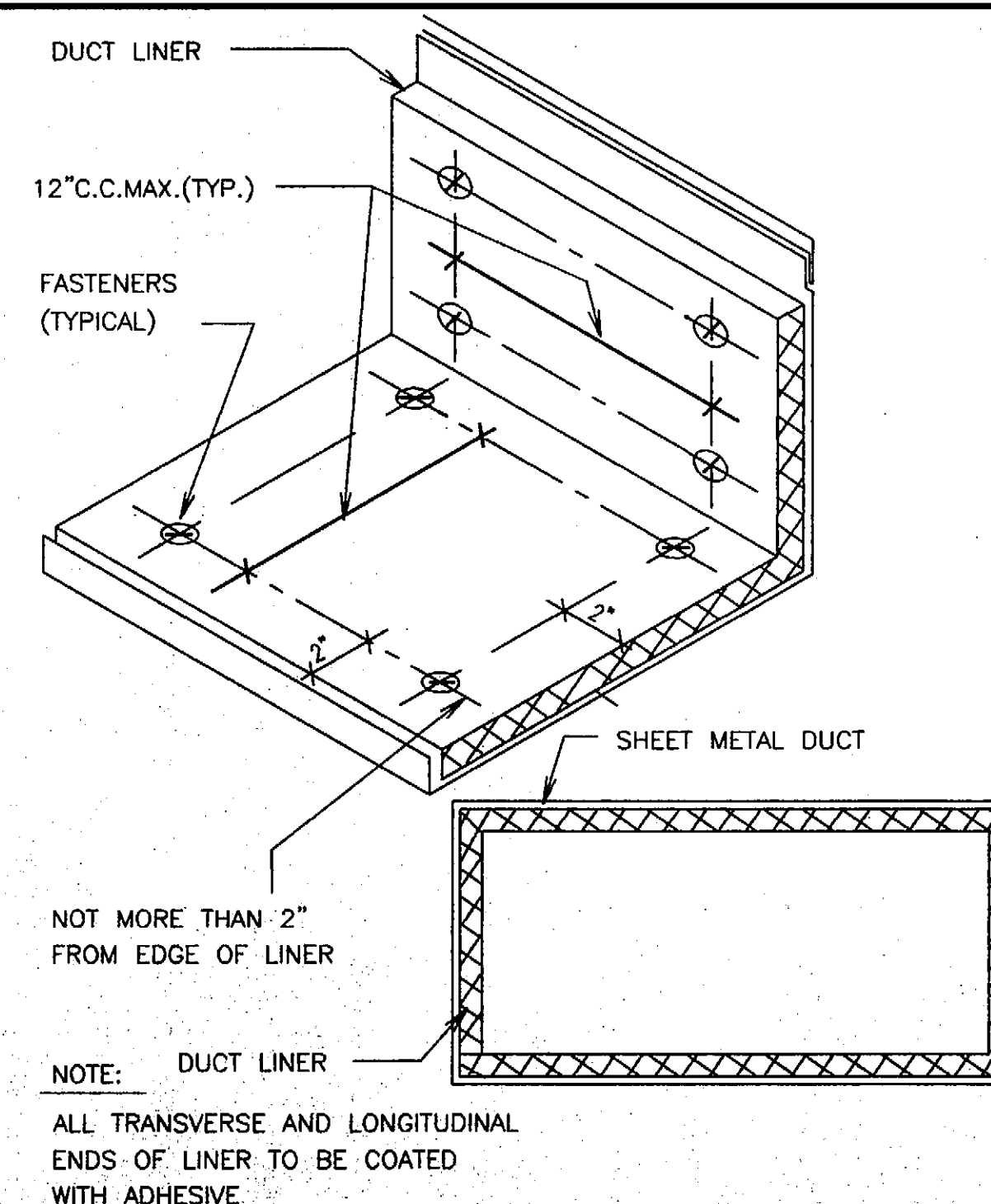
DUCT CONSTRUCTION DETAIL



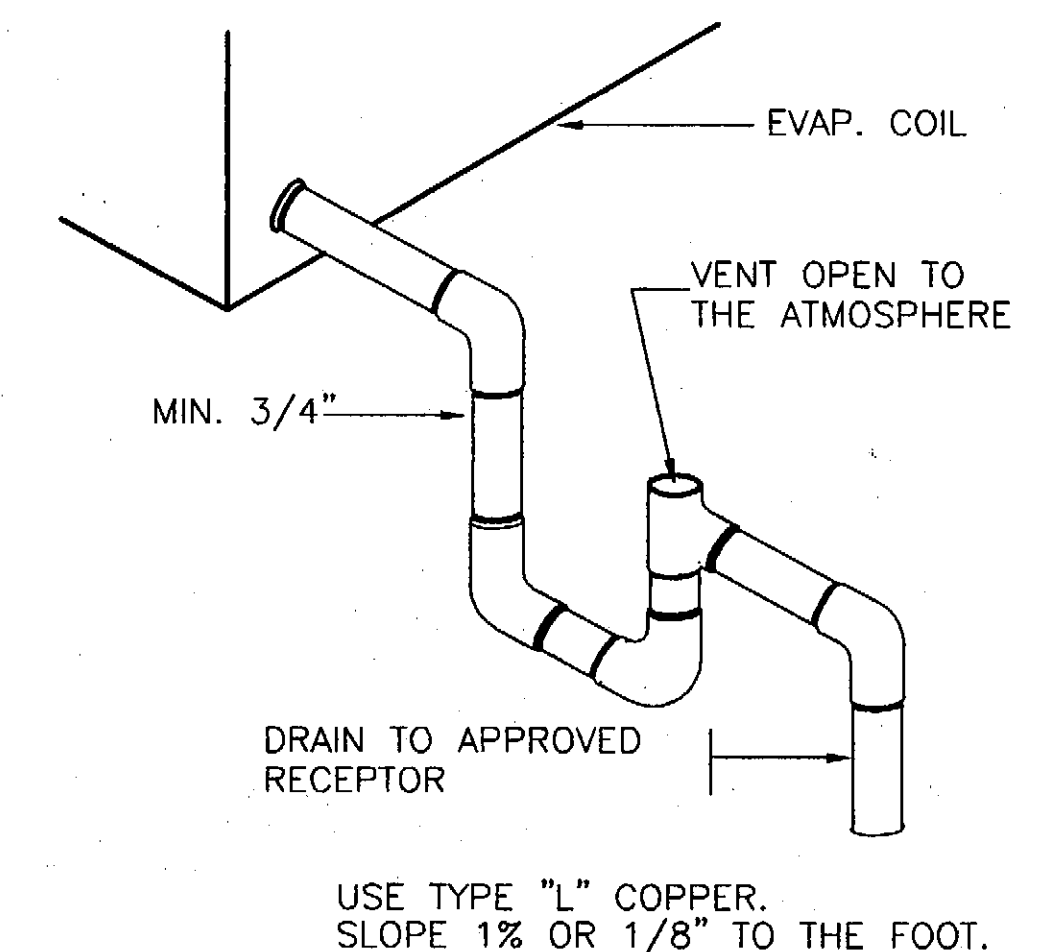
CONTROLS



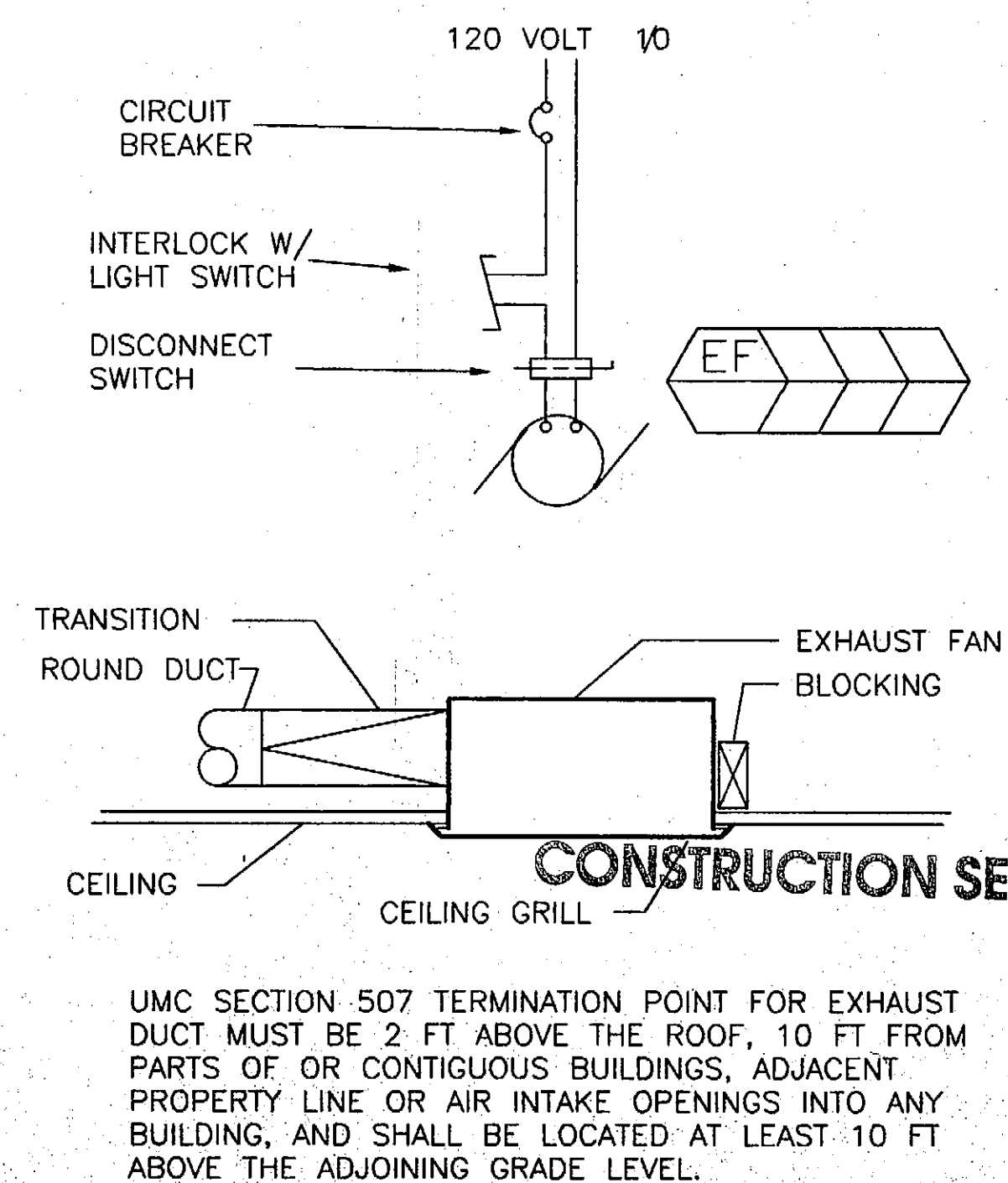
T-BAR SUPPLY



DUCT LINER DETAIL



CONDENSATE DRN.



CUST. / RESTRM EXH.

REVISIONS

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MISSION TRAIL
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SHEET TITLE
MECHANICAL DETAILS

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MSF

CHECKED BY:

GARY M.

JOB NUMBER:

99870

DATE:

JANUARY, 2000

SHEET

M3

MECHANICAL MANDATORY MEASURES

Part 1 of 2 MECH-MM

PROJECT NAME	DATE	Designer	Enforcement
Mission Trails Community Library	02/28/2000		
DESCRIPTION			
Equipment and Systems Efficiencies			
☒ § 111	Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.		
☒ § 115(a)	Fan type central furnaces shall not have a pilot light.		
☒ § 123	Piping, except that conveying fluids at temperatures between 80 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.		
☒ § 124	Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.		
Controls			
☐ § 122(e)	Each space conditioning system shall be installed with one of the following:		
☐ § 122(e)1A	Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 112 (d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut-off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or		
☐ § 122(e)1B	An occupancy sensor to control the operating period of the system; or		
☐ § 122(e)1C	A 4-hour timer that can be manually operated to control the operating period of the system.		
☒ § 122(e)2	Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.		
☐ § 122(g)	Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.		
☒ § 122(a&b)	Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.		
☒ § 122(c)	Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.		
☐ § 112(b)	Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		

EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 12 of 15

CERTIFICATE OF COMPLIANCE

Performance MECH-1

PROJECT NAME	DATE	Designer	Enforcement	
Mission Trails Community Library	02/28/2000			
SYSTEM FEATURES				
MECHANICAL SYSTEMS				
SYSTEM NAME	DHW Heater	HVAC System	NOTE TO FIELD	
TIME CONTROL	n/a	Programmable Switch		
SETBACK CONTROL	n/a	Heating & Cooling Required		
ISOLATION ZONES	n/a	n/a		
HEAT PUMP THERMOSTAT?	n/a	n/a		
ELECTRIC HEAT?	n/a	n/a		
FAN CONTROL	n/a	Constant Volume		
VAV MINIMUM POSITION CONTROL?	n/a	No		
SIMULTANEOUS HEAT/COOL?	n/a	No		
HEATING SUPPLY RESET	n/a	Constant Temp		
COOLING SUPPLY RESET	n/a	Constant Temp		
VENTILATION	n/a	Air Balance		
OUTDOOR DAMPER CONTROL	n/a	Auto		
ECONOMIZER TYPE	n/a	No Economizer		
DESIGN AIR CFM (MECH-3, COLUMN H)	n/a	618 cfm		
HEATING EQUIPMENT TYPE	Electric Res	Gas Furnace		
HEATING EQUIPMENT EFFICIENCY	99%	80% AFUE		
COOLING EQUIPMENT TYPE	n/a	Split DX		
COOLING EQUIPMENT EFFICIENCY	n/a	10.5 SEER / 9.4 EER		
MAKE AND MODEL NUMBER	POWERSTREAM RPT 9.50	CARRIER SAWYER 11-38CKW0605		
HEATING DUCT LOCATION	R-VALUE	Ducts in Attic	4.2	
COOLING DUCT LOCATION	R-VALUE	Ducts in Attic	4.2	
DUCT TAPE ALLOWED?	n/a	Yes		
PIPE TYPE (SUPPLY, RETURN, ETC.)	Supply & Return HW			
PIPE INSULATION REQUIRED?	Yes	Yes		
CODE TABLES: Enter code from table below into columns above.				
HEAT PUMP THERMOSTAT?	TIME CONTROL	SETBACK CTRL	ISOLATION ZONES	FAN CONTROL
ELECTRIC HEAT?	S: Prog. Switch	H: Heating	Enter Number of Isolation Zones.	I: Inlet Vanes
VAV MINIMUM POSITION CONTROL?	O: Occupancy Sensor	C: Cooling		P: Variable Pitch
SIMULTANEOUS HEAT / COOL?	M: Manual Timer	B: Both		V: VFD
HEAT AND COOL SUPPLY RESET?	Y: Yes			O: Other
HIGH EFFICIENCY?	N: No			C: Curve
DUCT TAPE ALLOWED?		VENTILATION	OUTDOOR DAMPER	ECONOMIZER
PIPE INSULATION REQUIRED?		B: Air Balance	A: Auto	A: Air
		C: Outside Air Cert.	G: Gravity	W: Water
		M: Out. Air Measure	N: Not Required	N: Not Required
		D: Demand Control		
		N: Natural		
NOTES TO FIELD - For Building Department Use Only				
Run Initiation Time: 02/28/00 11:10:08 Run Code: 951765008				
EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 7 of 15				

PERFORMANCE CERTIFICATE OF COMPLIANCE

Part 3 of 3 PERF-1

PROJECT NAME	DATE	Designer	Enforcement					
Mission Trails Community Library	02/28/2000							
ZONE INFORMATION								
System Name	Zone Name	Occupancy Type	Floor Area (sq.ft.)	Inst. LPD (W/sq.ft.)	Clrl. Credit (W/sq.ft.)	Tallord LPD (W/sq.ft.)	Vent. (cfm/sq.ft.)	Proc. Loads (W/sq.ft.)
HVAC System	Library	Library - Stacks	5,153	1.500				
Notes: 1. See LTG-1 (Items marked with asterisk, see LTG-2 by others) 2. See LTG-3 3. See LTG-4 Items above require special documentation								
EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST								
The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.								
The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.								
Authorized Signature or Stamp								
Run Initiation Time: 02/28/00 11:10:08 Run Code: 951765008								
EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 5 of 15								

PERFORMANCE CERTIFICATE OF COMPLIANCE

Part 1 of 3 PERF-1

PROJECT NAME	DATE	Designer	Enforcement
Mission Trails Community Library	02/28/2000		
GENERAL INFORMATION			
PROJECT ADDRESS	Mission Trails Wildomar	TELEPHONE	(909) 889-4480
PRINCIPAL DESIGNER - ENVELOPE	Gary W. Miller Architect & Associates	TELEPHONE	(909) 825-0100
DOCUMENTATION AUTHOR	Energy and Duct Systems	Checked by/Date	
STATEMENT OF COMPLIANCE			
This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6, of the State Building Code. This certificate applies only to a Building using the performance compliance approach.			
DOCUMENTATION AUTHOR SIGNATURE DATE			
Marc Farmer			
The Principal Designers hereby certify that the proposed building design represented in the construction documents and modeled for this permit application are consistent with all other forms and worksheets, specifications, and other calculations submitted with this permit application. The proposed building as designed meets the energy efficiency requirements of the State Building Code, Title 24, Part 6.			
I, the undersigned, hereby certify that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed as a civil engineer, mechanical engineer, electrical engineer or architect.			
I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.			
I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section of the Code to sign this document as the person responsible for its preparation; and for the following reason:			
ENVELOPE COMPLIANCE			
Indicate location on plans of Note Block for Mandatory Measures			
Required Forms ENV-1			
PRINCIPAL ENVELOPE DESIGNER - NAME SIGNATURE LIC. NO. DATE			
Gary W. Miller Architect & Associates			
LIGHTING COMPLIANCE			
Indicate location on plans of Note Block for Mandatory Measures			
Required Forms This Submittal			
PRINCIPAL LIGHTING DESIGNER - NAME SIGNATURE LIC. NO. DATE			
MECHANICAL COMPLIANCE			
Indicate location on plans of Note Block for Mandatory Measures			
Required Forms MECH-1, MECH-2, MECH-3			
PRINCIPAL MECHANICAL DESIGNER - NAME SIGNATURE LIC. NO. DATE			
Run Initiation Time: 02/28/00 11:10:08 Run Code: 951765008			
EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 3 of 15			

MECHANICAL MANDATORY MEASURES

Part 2 of 2 MECH-MM

PROJECT NAME	DATE	Designer	Enforcement
Mission Trails Community Library	02/28/2000		
DESCRIPTION			
Ventilation			
☐ § 121(e)	Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.		
☐ § 122(f)	Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.		
☐ § 122(f)	All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
☒ § 121(f)1	Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1985), or Associated Air Balance Council (AABC) National Standards (1989); or		
☐ § 121(f)2	Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or		
☐ § 121(f)3	Outside Air Measurement: The system shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a readily accessible display device; or		
☐ § 121(f)4	Another method approved by the Commission.		
Service Water Heating Systems			
☐ § 113(b)2	If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
☐ § 113(b)3B	Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.		
☐ § 113(b)3C	Lavatories in restrooms of public facilities shall be equipped with one of the following:		
Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute.			
Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.			
Proximity sensor actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.			
Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).			
Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system).			
Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).			

EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 13 of 15

ENVELOPE MANDATORY MEASURES

ENV-MM

PROJECT NAME	DATE	Designer	Enforcement
Mission Trails Community Library	02/28/2000		
DESCRIPTION			
☒ § 118(a)	Installed Insulating Material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20, Chapter 4, Article 3.		
☒ § 118(c)	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.		
☒ § 117(a)	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.		
☒ § 119(b)	Slit Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).		
☒ § 118(a)1	Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E of the Standards. Manufactured fenestration products must be labeled for U-value according to NFRC procedures.		
☒ § 118(e)	Demising Walls in Nonresidential Buildings: The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.		

EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 11 of 15

ENVELOPE COMPLIANCE SUMMARY

Performance ENV-1

PROJECT NAME	DATE	Designer	Enforcement						
Mission Trails Community Library	02/28/2000								
OPAQUE SURFACES									
#	Surface Type	Framing Type	Area	U-Val.	Act. Azm.	Solar Gains	Tilt Y/N	Form 3 Reference	Location / Comments
1	Wall	Wood	1,219	0.065	135	90	X	R-19 Wall (W 19.2x6.15)	Library
2	Wall	Wood	1,327	0.065	225	90	X	R-19 Wall (W 19.2x6.15)	Library
3	Wall	Wood	1,162	0.065	315	90	X	R-19 Wall (W 19.2x6.15)	Library
4	Wall	Wood	1,342	0.065	45	90	X	R-19 Wall (W 19.2x6.15)	Library
5	Roof	Wood	5,153	0.034	135	0	X	R-30 Roof (R 30.2x12.15)	Library
FENESTRATION SURFACES									
#	Type	Area	U-Val.	Act. Azm.	SHGC	Glazing Type	Location / Comments		
1	Window	283	0.600	135	0.65	Double NonMil Clear Default	Library		
2	Window	283	0.600	225	0.65	Double NonMil Clear Default	Library		
3	Window	300	0.600	315	0.65	Double NonMil Clear Default	Library		
4	Window	238	0.600	45	0.65	Double NonMil Clear Default	Library		
EXTERIOR SHADING									
#	Exterior Shade Type	SHGC	Window Hgt. Wd.	Overhang Len. Hgt. LxT	Left Fin Dist. Len. Hgt.	Right Fin Dist. Len. Hgt.			
1	None	0.76							
2	None	0.76							
3	None	0.76							
4	None	0.76							

Run Initiation Time: 02/28/00 11:10:08 Run Code: 951765008

EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 8 of 15

PERFORMANCE CERTIFICATE OF COMPLIANCE

Part 2 of 3 PERF-1

PROJECT NAME	DATE	Designer	Enforcement
Mission Trails Community Library	02/28/2000		
ANNUAL SOURCE ENERGY USE SUMMARY (kBtu/sq.ft.-yr)			
ENERGY COMPONENT	Standard Design	Proposed Design	Compliance Margin
Space Heating	3.84	0.96	2.88
Space Cooling	47.45	43.78	3.67
Indoor Fans	26.72	21.42	5.30
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	6.46	6.05	0.41
Lighting	44.19	44.19	0.00
Receptacle	25.38	25.38	0.00
Process	0.00	0.00	0.00
TOTALS:	154.05	141.78	12.28
BUILDING COMPLIES			
GENERAL INFORMATION			
Building Orientation	(Southeast) 135 deg	Conditioned Floor Area	5,153 sqft.
Number of Stories	1	Unconditioned Floor Area	0 sqft.
Number of Systems	1	Conditioned Footprint Area	5,153 sqft.
Number of Zones	1		
Orientation			
Front Elevation	(Southeast)	Gross Area	1,482 sqft.
Left Elevation	(Southwest)	Glazing Area	253 sqft.
Rear Elevation	(Northwest)	Glazing Ratio	17.8%
Right Elevation	(Northeast)	1,580 sqft.	253 sqft.
Total		1,580 sqft.	300 sqft.
Roof		6,124 sqft.	238 sqft.
		1,054 sqft.	15.1%
		0 sqft.	17.2%
		0 sqft.	0.0%
Lighting Power Density			
Lighting Power Density	Standard	Proposed	
Prescriptive Env. Heat Loss	1,500 W/sqft.	1,500 W/sqft.	
Prescriptive Env. Heat Gain	2,165	1,140	
	181,957	137,885	
REMARKS:			
CONSTRUCTION SET			
Run Initiation Time: 02/28/00 11:10:08 Run Code: 951765008			
EnergyPro2.1 By EnergySoft User Number: 1268 Job Number: 00-029 Page 4 of 15			

REVISIONS

GARY W. MILLER
ARCHITECT & ASSOCIATES
PHONE: (909) 889-4480 FAX: (909) 384-9034
350 WEST 5TH STREET, SUITE 201, SAN BERNARDINO, CA 92401

MISSION TRAIL
COMMUNITY LIBRARY
WILDOMAR, CALIFORNIA

SHEET TITLE
ENERGY CALCS.

SCALE:

DRAWN BY:
MSFCHECKED BY:
GARY M.JOB NUMBER:
99870DATE:
JANUARY, 2000

SHEET

M4

045-4-04

M:\RVC064 Mission Trail Cr. jshRVC064-PLN.cad Mission Trail Community Library.pln

NOTES

SITE / PROJECT DATA:

ADDRESS: 34303 MISSION TRAIL
WILDOMAR, CALIFORNIA 92592-8436

ASSESSOR'S PARCEL NO.:
370-090-020

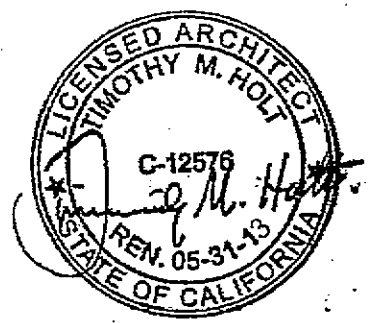
TOTAL LAND AREA:
55,838 S.F. (1.28 AC.)

HOLT ARCHITECTURE

70-225 Highway 111, Suite D
Rancho Mirage, CA 92270
760/328.5280

WWW.HOLTARCHITECTS.NET

CONSULTANTS



Mission Trail Community Library

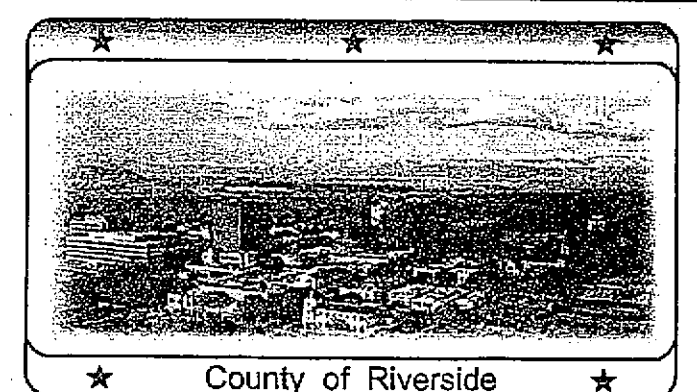
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # 0511000243
Plan Review Date 11-7-12
Reviewed By Me G

APPROVED PLANS FOR CONSTRUCTION:
Approval of these plans and specifications shall not
be construed to be a permit for or an approval of,
any violation of any of the provisions of the
Federal, State or County laws and ordinances.
This set of plans and specifications shall be kept on
the job site until completion of this project.



MARK	DATE	DESCRIPTION
Δ	10/11/2012	BID SET

PROJECT NO: RVC064
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

Title Sheet

AS-BUILT

T-1

COUNTY OF RIVERSIDE MISSION TRAIL COMMUNITY LIBRARY ~ NEW FRAMED ADDITION ONTO EXISTING COMMUNITY ROOM ~

34303 MISSION TRAIL WILDOMAR, CALIFORNIA 92595 - 8436

AGENCY PROJECT MANAGER

ERIK SYDOW - FACILITIES PROJECT MANAGER III

COUNTY OF RIVERSIDE
FACILITIES MANAGEMENT ~ PROJECT MANAGEMENT OFFICE
3403 TENTH STREET, SUITE 400
RIVERSIDE, CALIFORNIA 92501
TEL.: 951.955.8274 MOBILE PH.: 951.218.8552 FAX: 951.955.4890

NOTE:

CONTRACTOR TO NOTIFY PROJECT MANAGER, IMMEDIATELY, OF DISCREPANCIES
BETWEEN EXISTING FIELD CONDITIONS AND INFORMATION ON THESE PLANS.

PROJECT SCOPE OF WORK

CONTRACTOR TO CONSTRUCT A NEW, FRAMED ROOM
ADDITION ONTO AN EXISTING ROOM. WORK TO INCLUDE,
BUT, SHALL NOT BE LIMITED TO: DEMOLITION OF CONCRETE
SLAB(S), REMOVAL OF A PORTION OF AN EXISTING END WALL,
REMOVAL OF A PORTION OF AN EXISTING CULTURED STONE/
STUCCO LOW WALL, REMOVAL OF EXISTING LANDSCAPING/
IRRIGATION SYSTEM, ADDITIONS TO INCLUDE A NEW 4" THK.
CONCRETE SLAB, NEW CONCRETE WALKWAY AND A PORTION
OF A PUBLIC PORCH SLAB, NEW ELECTRICAL, H.V.A.C., AND
ROOF DRAIN PLUMBING, AS SHOWN ON THESE PLANS.

SHEET INDEX (SHT. NOS. / TITLES)

(24 SHEETS)

T-1 TITLE SHEET
T-2 TITLE SHEET

ARCHITECTURAL

AS-1.0 SITE PLANS - EXISTING/PROPOSED
A-1.0 FLOOR PLAN - DEMOLITION
A-1.1 FLOOR PLAN - ADDITIONS
A-1.2 SCHEDULES, NOTES, & DETAILS
A-2.0 EXTERIOR ELEVATIONS
A-2.1 INTERIOR ELEVATIONS
A-3.0 ROOF PLAN & DETAILS
A-3.1 ROOF FRAMING PLAN
A-4.0 BUILDING SECTION
A-4.1 BUILDING SECTION
A-4.2 REFLECTED CEILING PLAN

STRUCTURAL

SN STRUCTURAL NOTES
S-1.0 FOUNDATION PLAN & DETAILS
SD-1 STRUCTURAL DETAILS
SD-2 STRUCTURAL DETAILS

MECHANICAL

M-1.0 MECHANICAL PLAN
M-2.0 DETAILS
M-3.0 TITLE 24

ELECTRICAL

E-1 LIGHTING PLAN
E-2 POWER & SIGNAL PLAN
E-3 TITLE 24

LANDSCAPE

L-1 LANDSCAPE PLAN

As-Built

PROJECT DESIGN TEAM

STRUCTURAL ENGINEER

TMAD TAYLOR & GAINES
SUSAN SUN
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA. 91764
(909) 477-6915
FAX: (909) 477-6916

MECHANICAL ENGINEER

TMAD TAYLOR & GAINES
CHRIS RADTKE
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA. 91764
(909) 477-6915
FAX: (909) 477-6916

ARCHITECT

HOLT ARCHITECTS, INC.
RUBEN CORONADO
70-225 HIGHWAY 111, SUITE D
RANCHO MIRAGE, CA 92270
(760) 328-5280 FAX: (760) 328-5281

ELECTRICAL ENGINEER

TMAD TAYLOR & GAINES
NESTOR IGNACIO, JR.
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA. 91764
(909) 477-6915
FAX: (909) 477-6916

OWNER

COUNTY OF RIVERSIDE
FACILITIES MANAGEMENT
3403 TENTH STREET, SUITE 400
RIVERSIDE, CA. 92501
(951) 955-0911 FAX: (951) 955-4890

PROJECT DESIGN STANDARDS

ALL WORK PERTAINING TO AND ALL MATERIALS SUPPLIED FOR EXECUTING AND COMPLETING THIS PROJECT SHALL
COMPLY WITH PROVISIONS SPECIFIED IN THE CONTRACT DOCUMENTS AND WITH ALL APPLICABLE LAWS, REGULATIONS,
AND ORDINANCES GOVERNING WORK INCLUDING, BUT NOT NECESSARILY LIMITED TO THOSE OF:

- 2010 CALIFORNIA ADMINISTRATIVE CODE TITLE 24, PART 1, C.C.R.
- 2010 CALIFORNIA BUILDING CODE TITLE 24, PART 2, C.C.R. (BASED ON THE 2009 I.B.C.)
- 2010 CALIFORNIA ELECTRICAL CODE TITLE 24, PART 3, C.C.R. (BASED ON THE 2008 N.E.C.)
- 2010 CALIFORNIA MECHANICAL CODE TITLE 24, PART 4, C.C.R. (BASED ON THE 2009 U.M.C.)
- 2010 CALIFORNIA PLUMBING CODE TITLE 24, PART 5, C.C.R. (BASED ON THE 2009 U.P.C.)
- 2010 CALIFORNIA ENERGY CODE TITLE 24, PART 6, C.C.R.
- 2010 CALIFORNIA FIRE CODE TITLE 24, PART 9, C.C.R. (BASED ON THE 2009 I.F.C.)
- 2010 CALIFORNIA REFERENCE STANDARDS CODE
- CALIFORNIA FIRE MARSHAL REGULATIONS
- 2009 LIFE SAFETY CODE N.F.P.A.-101
- ACCESSIBILITY - 2010 CALIFORNIA BUILDING CODE CHAPTER 11B
- 2010 CALIFORNIA GREEN CODE

APPLICABLE AGENCIES

DEPT. OF BLDG. AND SAFETY
4080 LEMON ST.
RIVERSIDE, CA. 92502
(951) 955-1800
FAX: (951) 955-1806

FIRE PROTECTION PLANNING
2300 MARKET ST., SUITE 150
RIVERSIDE, CA. 92501
(951) 955-4777
FAX: (951) 955-4886

COUNTY OF RIVERSIDE PROJECT MANAGEMENT OFFICE
3403 TENTH STREET, 4TH FLOOR
RIVERSIDE, CALIFORNIA 92501
(951) 955-0911
FAX: (951) 955-4890

SET STATUS

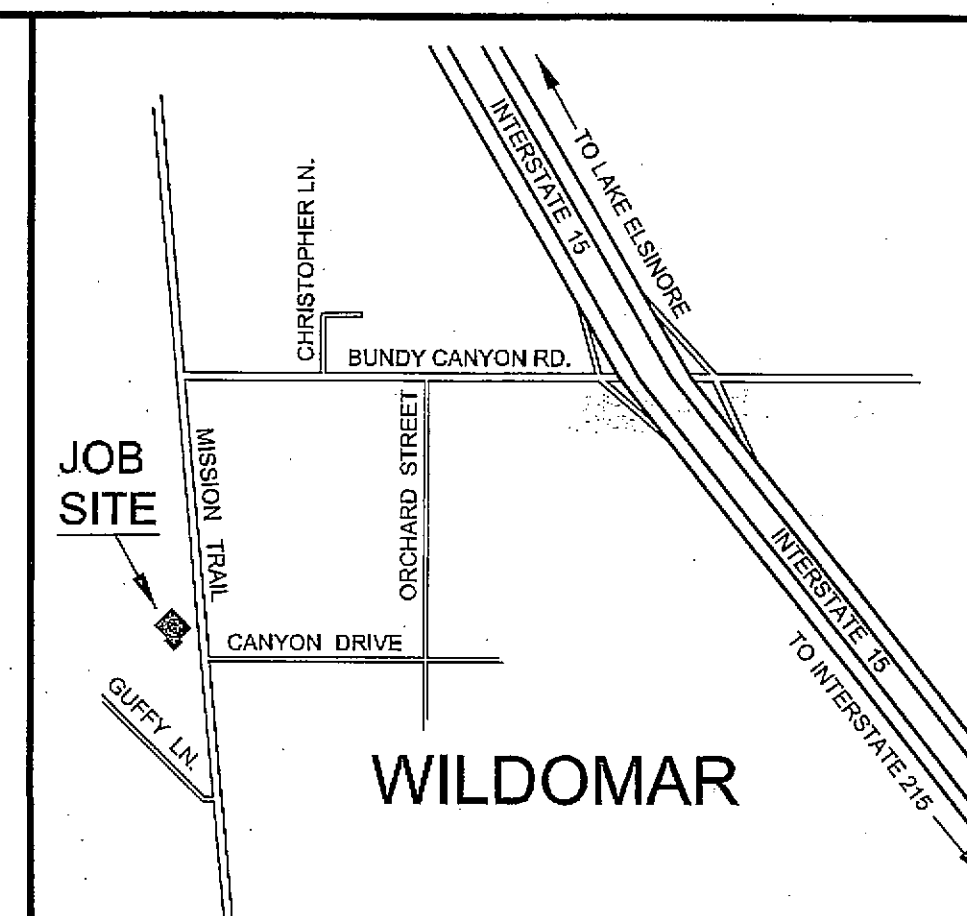
Bid Set

BENCHMARK: E-4-70

DESCRIPTION:

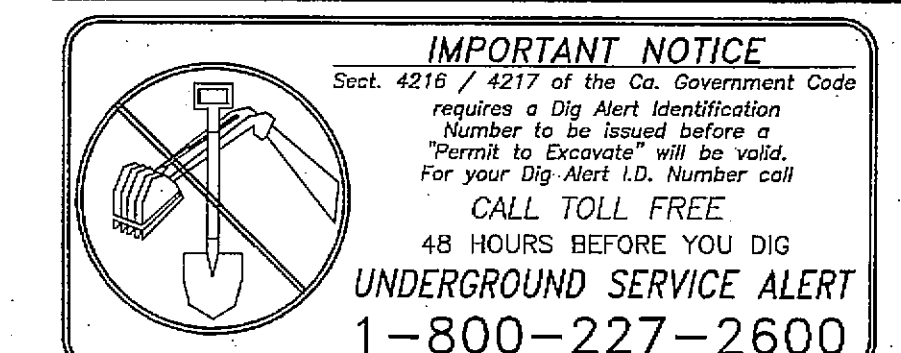
330.0 FEET NORTH OF THE "T" INTERSECTION OF
OLIVE STREET AND CRESCENT AVENUE, 32.0 FEET
EAST OF THE CENTER OF CRESCENT AVENUE,
3.0 FEET SOUTH OF POWER POLE #1243, 3.0 FEET
SOUTHWEST OF POWER POLE #1796688F, 1.0
FEET WEST OF A MARKER POST, A BRASS DISK
SET IN TOP OF A CONCRETE POST, AND MARKED
E-4-70

ELEVATION: 1,271.178

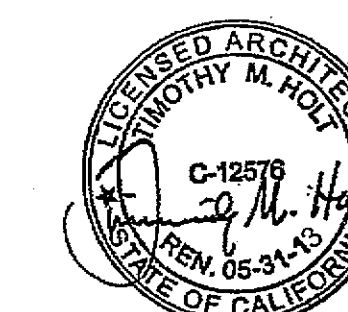


LOCATION MAP
NORTH N.T.S.

JOB SITE: 34303 MISSION TRAIL
WILDOMAR, CALIFORNIA 92595-8436



CONSULTANTS



4303 Mission Trail
Wildomar, CA 92595-8436

Design: Approved

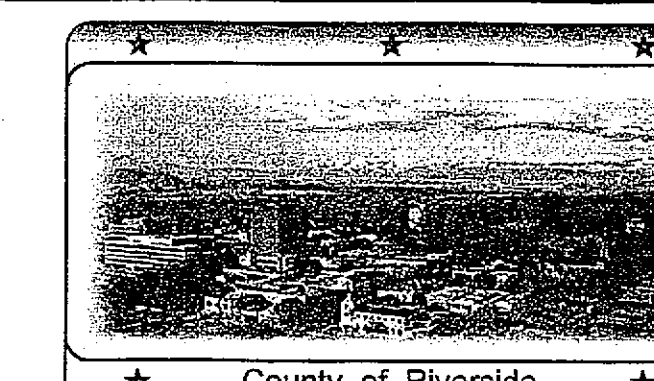
NOV 7 2012

Plan Reviewer
APPROVED PLANS FOR CONSTRUCTION

Approved: _____
Initials: _____
Approved on: _____
Approved by: _____

any violation of any of the provisions of the Federal, State or County laws and regulations.

This set of plans and specifications shall remain at the job site until completion of the project.



PROJECT NO:	RVC.064
DRAWN BY:	CS
CHK'D BY:	RC
ORIGINAL DATE:	10/11/2012

SHEET TITLE

Site Plans

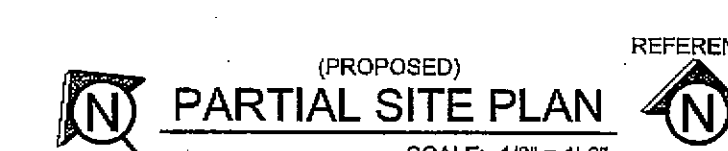
AS-BUILD

AS-1.0



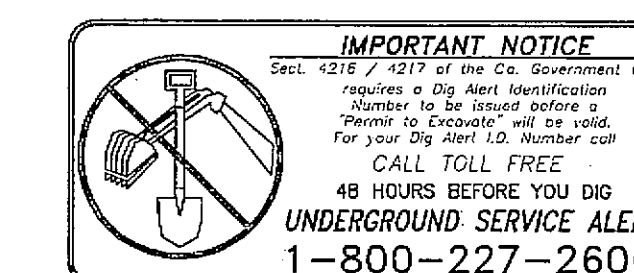
NOTE:
THIS DRAWING ONLY INDICATE
EXISTING CONDITIONS

Information only ~ no new additions shown



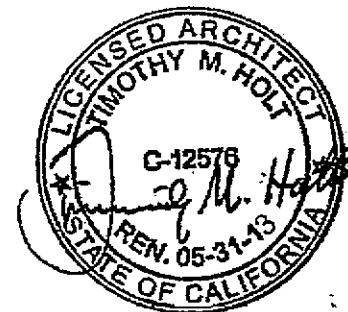
NOTE:
SEE FLOOR PLAN ADDITIONS
ON SHT. A-1.1, FOR FURTHER
INFORMATION

As-Built



McRVC004 Mission Trail Community Library\RVC004-2 ConfDocs\RVC003- PLN\cdMission Trail Community Library.pln

0R300-3623271 P1 S3 - ANGELES CONTRACTOR, INC. - PG 004 OF 024 (P1 S3) 3 SETS: IF - 5/22/2013 - 16:21

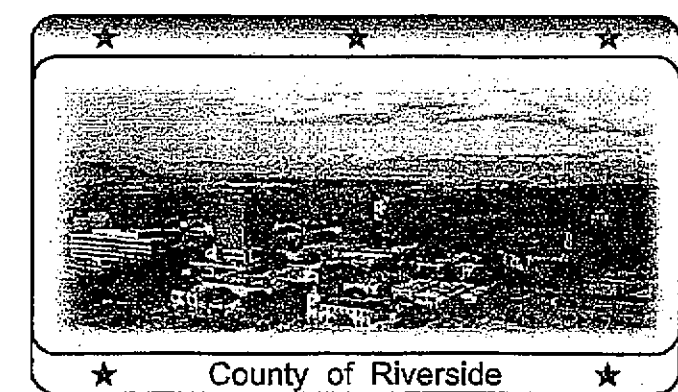


**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # **NDV 7 2012**
Plan Reviewer **[Signature]** Date **10/11/2012**
APPROVED PLANS
Approval of these plans is not a guarantee of the quality of the work. The contractor shall be responsible for the quality of the work. This set of plans and specifications shall be kept on the job site until completion of the project.



MARK	DATE	DESCRIPTION
▲	10/11/2012	BID SET

PROJECT NO: **RVC004**
DRAWN BY: **CS**
CHKD BY: **RC**
ORIGINAL DATE: **10/11/2012**

SHEET TITLE

Floor Plan - Demolition

AS-BUILT

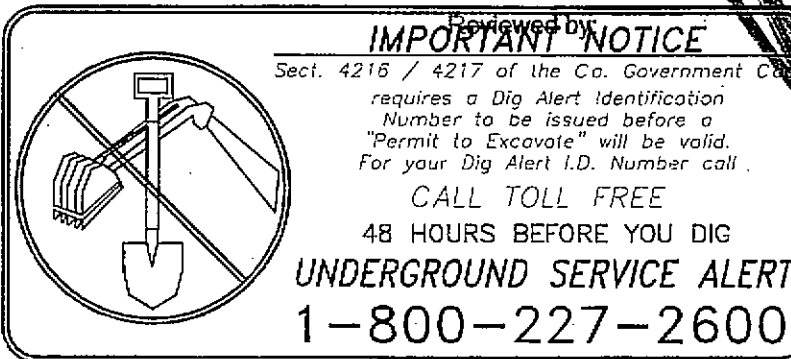
A-1.0

- KEYNOTES
- 1- NEW FRAMED ROOM ADDITION.
 - 2- NEW CONCRETE WALKWAY.
 - 3- ADDED PORCH SLAB.
 - 4- MODIFIED EXISTING LOW WALL.
 - 5- MODIFIED EXISTING CONC. CURB.
 - 6- 3-NEW SHRUBS (FAIRY DUSTER)
 - 7- TRIMMED EXISTING TREE.
 - 8- MODIFIED / ADDED 'SANGRIA' STONE MULCH, ALL PLANTERS.
 - 9- TRIMMED EXISTING 'LANTANA' SHRUB.

◇ SCOPE OF WORK

DEMOLITION

- 1- CONTRACTOR TO DEMOLISH AND REMOVE FROM SITE, EXISTING CANOPY ROOF, FRAMING, AND FRAMED COLUMNS, AS REQUIRED.
- 2- CONTRACTOR TO REMOVE 3070 DOOR AND FRAME. DOOR HAS PANIC DEVICE AND LEVER HARDWARE. (IF, POSSIBLE, RE-USE IN NEW ADDITION).
- 3- CONTRACTOR TO REMOVE EXISTING WINDOWS AND FRAME. (SIZE APPROX.: 4'-4" x 8'-10") (IF POSSIBLE, RE-USE IN NEW ADDITION).
- 4- CONTRACTOR TO CREATE A NEW OPENING IN AN EXISTING FRAMED WALL. OPENING TO BE APPROX. 8'-6" HIGH x 18'-4" LONG WHEN FINISHED. OPENING TO BE SUPPORTED WITH A NEW GLB AND WOOD POSTS. (TO BE COVERED FROM SIGHT WHEN FINISHED WITH FRAMING AND DRYWALL).
- 5- CONTRACTOR TO DEMOLISH AND REMOVE FROM SITE A PORTION OF EXISTING CONCRETE PATIO SLAB (APPROX. 245.4 S.F.), 11'-5" x 21'-6"
- 6- CONTRACTOR TO DEMOLISH AND REMOVE FROM SITE A TRIANGULAR PORTION OF EXISTING CONCRETE PATIO SLAB (APPROX. 55.6 S.F.). (NOTE: THIS REMOVED TRIANGULAR PORTION OF PATIO SLAB, TO BE RE-POURED AND SLOPED (1%) IN DIRECTION OF THE PORTION OF PATIO SLAB THAT IS TO REMAIN).
- 7- CONTRACTOR TO DEMOLISH AND REMOVE FROM SITE APPROX. 28'-7" (LINEAR FEET) OF LOW WALL. APPROX. 4'-8" (LINEAR FEET) OF EXISTING LOW WALL TO REMAIN. WALL HEIGHT VARIES FROM +38" HIGH TO +40" HIGH WHERE DEMOLITION IS TO OCCUR. WALL CONSTRUCTION: CONC. BLK., STUCCO / CULTURED STONE FINISH, HORIZ. / VERT. REBAR, ALL CELLS GROUTED, CONC. FOOTING, AND CAST-STONE WALL CAP.(SEE DET. NO. 1, SHT. SD-2)
- 8- CONTRACTOR TO REMOVE EXISTING SHRUB.
- 9- CONTRACTOR TO RELOCATE EXISTING IRRIGATION CONTROL VALVE (I.C.V.).
- 10- CONTRACTOR TO RELOCATE EXISTING BOX AND SEWER CLEAN OUT.
- 11- NOTE: EXISTING ROOF DRAIN AND O'FLOW. PIPES TO REMAIN.
- 12- CONCRETE CURB - CONTRACTOR TO REMOVE A PORTION OF EXISTING CONCRETE CURBING AT PLANTER, AS NECESSARY, TO ACCOMMODATE CONSTRUCTION OF NEW BUILDING ADDITION. (CURBING IS 6" x 6" WITH CONTINUOUS 1/4" REBAR IN CENTER). (NOTE: MODIFIED CONCRETE CURBING TO BE REPLACED, AS NECESSARY, TO HAVE A COMPLETE AND "CLOSED" AREA, SIMILAR TO THE EXISTING CONFIGURATION, OR, AS CLOSE-AS-POSSIBLE).
- 13- NOTE: SILK TREE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION. HOWEVER, LIMBS AT AREA WHERE NEW BUILDING ADDITION IS TO BE CONSTRUCTED WILL HAVE TO BE TRIMMED. (ONLY LIMBS AND BRANCHES REQUIRED TO BE TRIMMED FOR NEW CONSTRUCTION ADDITION ARE TO BE REMOVED!)
- 14- NOTE: 'LANTANA' SHRUB IN PLANTER, TO BE TRIMMED BY CONTRACTOR, AS NECESSARY, TO ACCOMMODATE NEW CONCRETE WALKWAY ADDITION.



AUTOMATED IRRIGATION SYSTEM RESPONSIBILITIES

1. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY ALTERATIONS TO EXISTING IRRIGATION SYSTEMS. THE CONTRACTOR SHALL MAKE ANY/ALL REQUIRED ADJUSTMENTS, SETTINGS, AND MODIFICATIONS TO EXISTING IRRIGATION SYSTEM, AS NECESSARY, TO ENSURE ALTERED EXISTING SYSTEM MEETS COUNTY OF RIVERSIDE IRRIGATION STANDARDS FOR MINIMUM ADEQUATE IRRIGATION TO EXISTING LANDSCAPING.
2. CONTRACTOR SHALL NOTIFY PROJECT MANAGER OF ANY REQUIRED ALTERATIONS TO EXISTING IRRIGATION SYSTEM PRIOR TO COMMENCEMENT OF ANY PREVIOUS UNDETERMINED TRENCHING WORK.
3. ANY/ALL DAMAGE RESULTING FROM CONTRACTOR WORK OR NEGLIGENCE SHALL BE PROMPTLY REPORTED TO THE PROJECT MANAGER.
4. SITE IRRIGATION SYSTEM, WHEN READY FOR USE, SHALL COMPLY WITH ALL APPLICABLE COUNTY OF RIVERSIDE CODES & ORDINANCES.
5. DURING TIMES WHEN IRRIGATION WATER IS TURNED OFF OR INOPERABLE, LANDSCAPING TO BE CAREFULLY MONITORED FOR WATER STRESS SIGNS. CONTRACTOR SHALL HAND-WATER AS REQUIRED AT ANY STRESSED LANDSCAPE AREAS. NOTIFY PROJECT MANAGER IF OCCURS.

GUARANTEE SPRINKLER SYSTEM OPERATES PROPERLY

1. THE CONTRACTOR SHALL GUARANTEE & PROVE BY ON-SITE TESTING WITH PROJECT MANAGER PRESENT, THAT THE ENTIRE SPRINKLER SYSTEM PERFORMS PER COUNTY OF RIVERSIDE STANDARDS AND IS ACCEPTABLE TO PROJECT MANAGER, AS A SYSTEM THAT WORKS SATISFACTORILY TO ADEQUATELY IRRIGATE LANDSCAPING.
2. IF APPLICABLE, ALL ADJUSTMENTS AND/OR POSITIONING OF NEW OR REPLACED SPRAYHEADS SHALL BE THE RESPONSIBILITY OF THE JOB CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT THE IRRIGATION SYSTEM REVISIONS PROVIDE FULL COVERAGE OF ALL PLANTING AREAS AS WERE ORIGINALLY COVERED PRIOR TO COMMENCEMENT OF JOB. MAINTAIN A MINIMUM OF OVERSPRAY ONTO PAVING, WALKS, WALLS, AND EXISTING UTILITIES.

TRENCHING NEAR EXISTING TREES

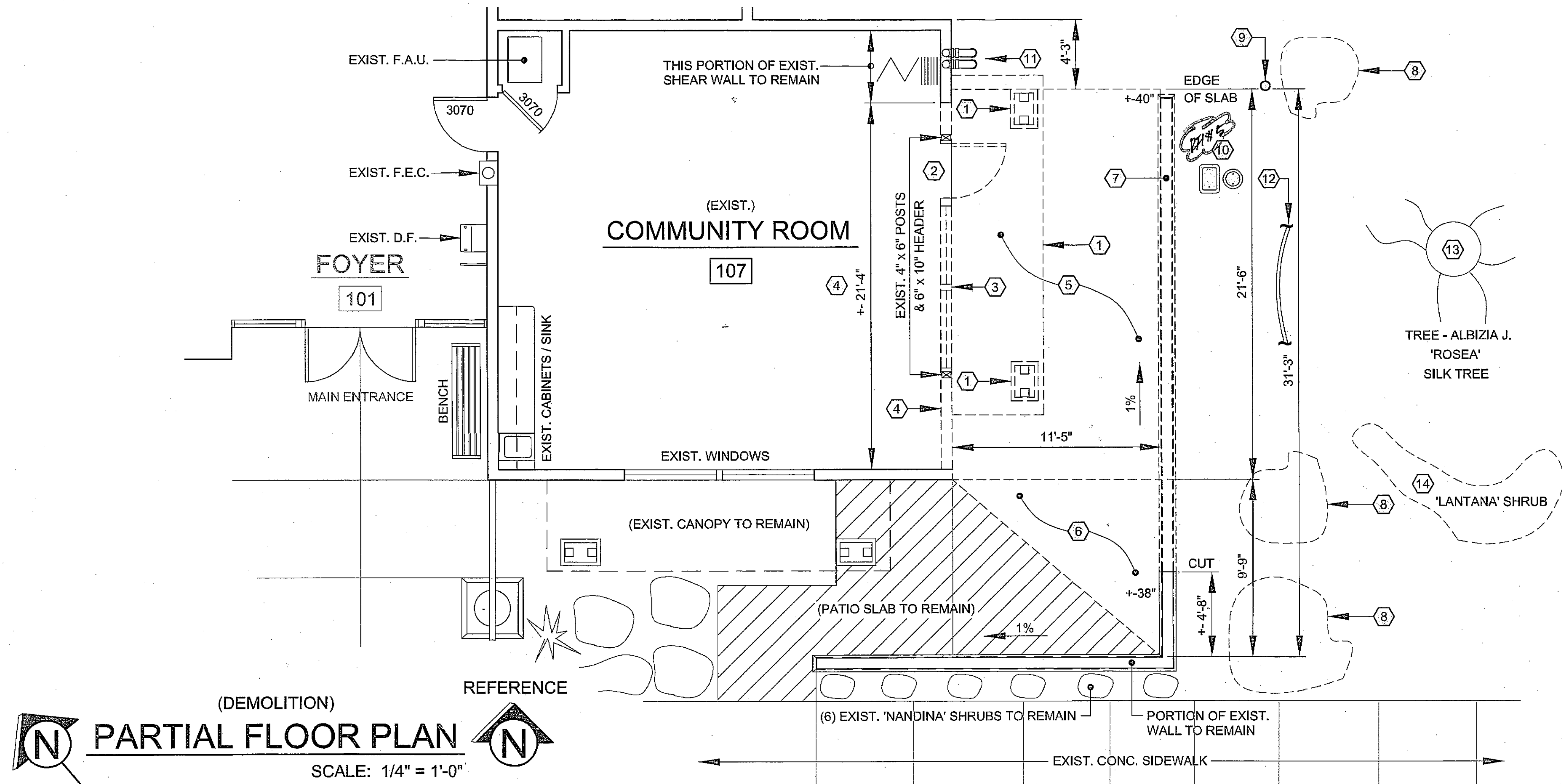
1. WHENEVER ROOTS OF EXISTING TREES ARE ENCOUNTERED DURING TRENCHING OPERATIONS, THE CONTRACTOR SHALL RE-ROUTE MAIN LINE TRENCHES. ROOTS SHALL NOT BE CUT THAT ARE (1") IN DIAMETER OR LARGER. IF ROOTS ARE CUT, DRESS WITH TREE SEAL. IF NECESSARY, CONTRACTOR SHALL HAND-DIG TRENCHES SO AS NOT TO DAMAGE ROOT SYSTEMS. MOIST BURLAP TO BE USED TO PROTECT ANY ROOTS EXPOSED TO SUNLIGHT.

PLANTING NOTES

1. ANY OR ALL PLANTING MATERIAL REPLACED OR ADDED AS NEW SHALL BE APPROVED BY THE PROJECT MANAGER AND/OR OWNER.
2. FINAL LOCATIONS OF ANY OR ALL REPLACED OR ADDED PLANT MATERIALS SHALL BE APPROVED BY THE PROJECT MANAGER AND/OR OWNER.
3. CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ANY OR ALL NEW PLANT MATERIALS FREE OF DISEASES AND/OR PESTS.

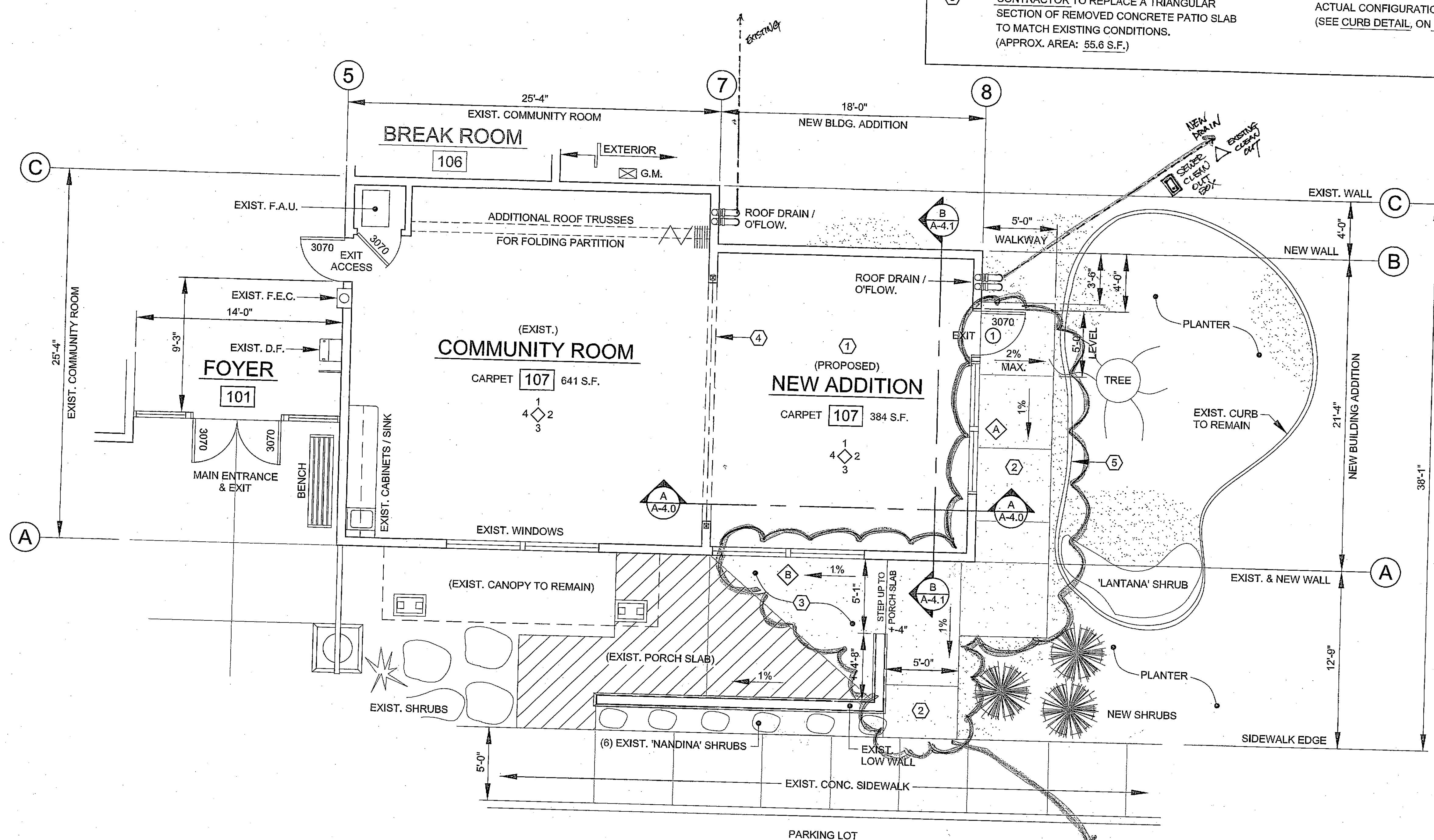
SITE WORK

1. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPE LINES, AND STRUCTURES. CONTRACTOR TO TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO ANY UTILITY DAMAGE DONE BY CONTRACTOR AND/OR SUB-CONTRACTORS FOR THE DURATION OF THIS PROJECT.
2. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION, AS AGREED TO, WHEN PREVIOUSLY UNKNOWN OBSTRUCTIONS HAVE BECOME KNOWN MAKING CONDITIONS UN-WORKABLE.
3. ANY CONDITION ENCOUNTERED AS UN-WORKABLE ARE TO BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER. AS A CONSEQUENCE TO THE CONTRACTOR FOR NOT IMMEDIATELY REPORTING SUCH CONDITIONS TO THE PROJECT MANAGER, SOLE AND FULL RESPONSIBILITY FOR REVISIONS AND/OR COSTS, IF WORK IS CONTINUED, SHALL BE THE CONTRACTORS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CONTACT AND COORDINATION WITH SUB-CONTRACTORS ON THIS JOB.
5. ALL EXCAVATION SOILS ARE TO BE RE-USED. IF CONTRACTOR IMPORTS SOIL TO SITE, SOURCE LOCATION IS TO BE INDICATED TO THE PROJECT MANAGER. IMPORT SOILS SHALL BE FREE OF TOXIC CHEMICALS OR ANY ELEMENTS THAT WOULD INHIBIT OR RETARD NORMAL GROWTH OF PLANT MATERIAL.



(DEMOLITION)
PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

M:\RVC064 Mission Trail Community Library\RVC063-2 ConDoc\RVC063-2 ConDoc\Mission Trail Community Library.pln



RFI #21
SIDE WALK

- SCOPE OF WORK**
- 1. CONTRACTOR TO CONSTRUCT A NEW ROOM ADDITION ONTO EXISTING COMMUNITY ROOM, AS SHOWN ON THIS PLAN.
 - 2. CONTRACTOR TO CONSTRUCT A 4" THICK P.C.C. WALKWAY ON-SITE, PER RIVERSIDE COUNTY STANDARDS. (APPROX. AREA OF NEW WALKWAY: 175 S.F.)
 - 3. CONTRACTOR TO REPLACE A TRIANGULAR SECTION OF REMOVED CONCRETE PATIO SLAB TO MATCH EXISTING CONDITIONS. (APPROX. AREA: 55.6 S.F.)
 - 4. CONTRACTOR TO PROVIDE AND INSTALL A NEW GLB AND WOOD POSTS, TO SUPPORT A PARTIALLY EXISTING ROOF FRAMING SYSTEM, AND A PORTION OF A NEW ROOF FRAMING SYSTEM.
 - 5. CONTRACTOR TO MODIFY EXISTING 6" x 6" CONC. CURB, AS REQ'D, TO ACCOMMODATE NEW BLDG. ADDITION AND NEW WALKWAY. (EXAMPLE SHOWN, ACTUAL CONFIGURATION MAY VARY). (SEE CURB DETAIL, ON SHT. NO. L-1)
- ADDITIONS**

- LEGEND**
- 1 2 WALL ORIENTATION SYMBOL
 - 1 DOOR DESIGNATION SYMBOL (SEE SHT. A-1.2)
 - 1 WINDOW DESIGNATION SYMBOL (SEE SHT. A-1.2)
 - 107 ROOM NUMBER
 - A SECTION LETTER
 - A-4.0 BUILDING SECTION SHEET NO. LOCATION

PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

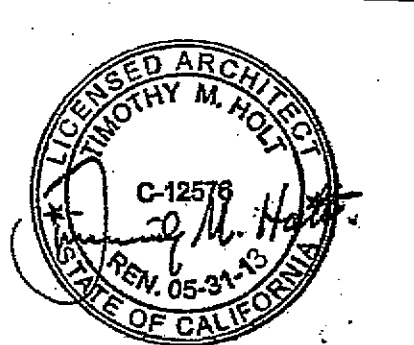
NOTE:
APPROVED POSTED SIGN(S) TO BE PLACED IN CONSPICUOUS LOCATIONS NEAR MAIN EXIT DOORWAYS INDICATING THE TOTAL OCCUPANT LOAD ALLOWED OF THE ROOM.

IMPORTANT NOTICE
Sect. 4216 / 4217 of the C.C. Government Code requires a Dig Alert Identification Number to be placed before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number, call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

As-Built

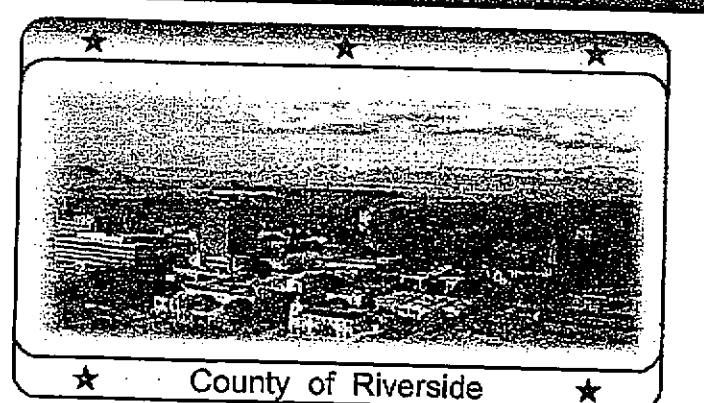
HOLT ARCHITECTURE
70-225 Highway 111, Suite D
Rancho Mirage, CA 92270
760/328.5280
WWW.HOLTARCHITECTS.NET

CONSULTANTS



Mission Trail Community Library
New Framed Addition onto Existing Community Room
4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction
Project # NOV 7 2012
APPROVED



EDA

MARK	DATE	DESCRIPTION
A	10/11/2012	BID SET

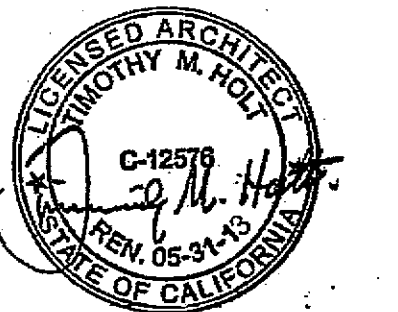
PROJECT NO: RVC.064
DRAWN BY: CS
CHKD BY: RC
ORIGINAL DATE: 10/11 / 2012

SHEET TITLE
Floorplan - Additions

AS-BUILT

A-1.1

CONSULTANTS



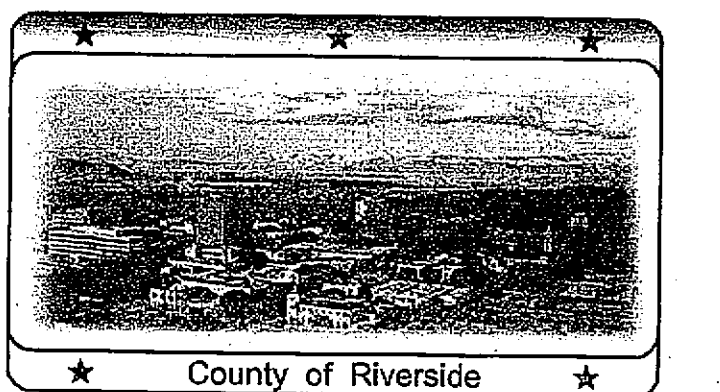
**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # NOV 7-2012

APPROVED FOR CONSTRUCTION
Approval of these Plans and Specifications shall not
be construed to be a permit for, or an approval of,
any violation of any of the provisions of the
Federal, State or County laws and ordinances.
This set of plans and specifications shall be kept on
the job site until completion of the project.



MARK DATE DESCRIPTION

10/11/2012 BID SET

GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING CONDITIONS ON THE JOB SITE PRIOR TO THE START OF THIS CONTRACT. NOTIFY FACILITIES PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.
2. THE EXISTENCE OR LOCATION OF ANY UTILITY SYSTEMS, PIPES, AND/OR STRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE ACTUAL SITE. TO THE BEST OF OUR KNOWLEDGE, EXISTING CONDITIONS ARE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE LOCATIONS OF ALL UTILITIES SYSTEMS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PUBLIC OR PRIVATE UTILITIES SHOWN OR NOT SHOWN HEREIN.
3. CONTRACTOR SHALL NOTIFY THE FACILITIES PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR INCONSISTENCIES IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK UNTIL NOTIFICATION OR CORRECTION HAS BEEN IDENTIFIED AND ISSUED BY THE PROJECT MANAGER.
4. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS OR DETAILS ON THE DRAWINGS.
5. ALL STANDARDS, MATERIALS, AND WORKMANSHIP SHALL COMPLY WITH THE STATE BUILDING CODE AND ALL OTHER GOVERNING CODES, ORDINANCES, REGULATIONS, AND LAWS.
6. WHERE CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
7. OCCUPATIONAL SAFETY AND HEALTH. THESE DOCUMENTS, AND THE CONSTRUCTION TO BE COMPLETED FOR THIS PROJECT, SHALL BE GOVERNED AT ALL TIMES BY THE APPLICABLE PROVISIONS OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973 (CAL/ OSHA) AND ALL SUBSEQUENT UPDATES.
8. NOT ALL ITEMS OF DEMOLITION ARE SHOWN OR INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS AND COMPARISON WITH NEW CONSTRUCTION TO BE EXECUTED UNDER THIS CONTRACT PRIOR TO SUBMISSION OF BID. NO ADDITIONAL COSTS WILL BE APPROVED FOR ITEMS READILY VISIBLE WHICH WERE REQUIRED TO BE REMOVED OR REWORKED TO PERFORM WORK TO FINISHED CONDITIONS.

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES AND IMPROVEMENTS ABOVE AND/OR BELOW GROUND THAT CONFLICT WITH PROPOSED IMPROVEMENTS. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED BY COMPLYING WITH LOCAL AND/OR STATE LAWS.
2. EXISTING ELECTRICAL LINES AND APPURTENANCES SHALL BE PROTECTED IN PLACE UNLESS DESIGNATED BY THE PROJECT MANAGER TO BE REMOVED AND/OR RELOCATED.
3. ALL JOIN LINES SHALL BE CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE-CUT PRIOR TO JOINING.
4. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, FOUNDATIONS, UTILITIES, APPURTENANCES, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGES CAUSED BY HIS OPERATIONS. ANY IMPROVEMENTS DAMAGED DURING HIS OPERATIONS SHALL BE SAW CUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING IMPROVEMENTS IDENTIFIED AS NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO THE COMMENCEMENT OF WORK.
6. NOTICE TO CONTRACTOR. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND PROJECT MANAGER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR PROJECT MANAGER.

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS	ROOM NO.
		CARPET CARPET TILE COVERED SHEET VINYL VINYL COMP. TILE SEALED CONC.	4" RUBBER CERAMIC TILE NONE WOOD PAINTED COVERED SHEET VINYL	A. 5/8" TYPE 9" GYP. BD. W/ 1/2" FIBER B. 5/8" GYP. BD. W/ PAPER C. EXPOSED STRUCTURE D. CERAMIC TILE 4" x 4" E. 5/8" GYP. BD. TAPED & F. GLAZING 1. 10' NOMINAL HEIGHT, 5'-5" ACTUAL HGT. IN EXIST. RM. NO. 107.	1. 10' NOMINAL HEIGHT, 5'-5" ACTUAL HGT. IN EXIST. RM. NO. 107.	9'-5"	ITEMS LISTED IN THIS SCHEDULE REFLECT MATERIALS, DIMENSIONS, ETC. FOR NEW ADDITION; COMMUNITY ROOM #107. WALL NO. 4, IN EXISTING COMMUNITY ROOM #107, TO MATCH WALL NO. 4 IN NEW COMMUNITY ROOM #107.	
107	COMMUNITY ROOM							107
	NOT USED							
	NOT USED							
	NOT USED							

DOOR SCHEDULE

NO.	ELEV.	DESCRIPTION	SIZE w x h x thk.	CONST.	FINISH	HEAD	JAMB	FRAME	REMARKS	HOW.	SET NO.
1	A	TEMP. GLASS	3'-0" x 7'-0" x 1 3/4"	WOOD	PAINT			STEEL	PAINT		SET #1
		NOT USED									
		NOT USED									
		NOT USED									

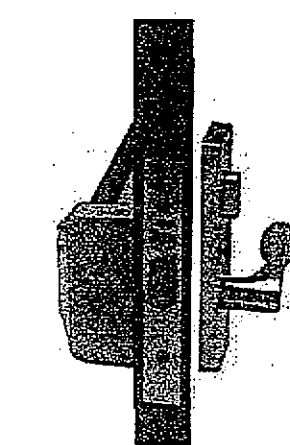
DOOR HARDWARE: SET #1

- 3 EA. HINGES
- 1 EA. PANIC EXIT DEVICE, RIM-TYPE, W/MORTISE LOCK AND LEVER, 36" WIDE, ADA COMPLIANT
- 1 EA. 11" HIGH METAL KICK PLATE (ON PUSH SIDE OF DOOR)
- 1 EA. CLOSER
- 1 EA. FLOOR MOUNTED DOOR STOP & HOLDER FOR OUTSWINGING EXTERIOR DOOR
- 1 EA. THRESHOLD, ADA COMPLIANT

DOOR SCHEDULE NOTES:

1. PRODUCTS (MANUFACTURERS):
EXIT DEVICE: LOCKWOOD 9500/9600 SERIES
"EXIT" BY RIM DEVICE - "ENTRY" BY LEVER
THAT OPERATES MORTISE LOCK
CLOSER: DORMA, OR EQUIV.
THRESHOLD: PEMKO, OR EQUIV.
DOOR STOP: NT QUALITY HARDWARE, OR EQUIV.
KICK PLATE: NT QUALITY HARDWARE, OR EQUIV.
HINGES: STANLEY HARDWARE, OR EQUIV.
2. PROVIDE FLAT HEAD EXPANSION SLEEVE ANCHORS WITH THRESHOLD.
3. CLOSER TO BE FULL RACK AND PINION TYPE WITH STEEL SPRING AND NON-FREEZING HYDRAULIC FLUID.
4. INSTALL HARDWARE PER MANUFACTURER'S INSTRUCTIONS AND BMA REQUIREMENTS.
5. MOUNTING HEIGHT FOR PANIC EXIT DEVICE: 36" MIN. TO 44" MAX. ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE.
6. ADJUST DOOR CLOSER TO 5 POUNDS MAXIMUM PRESSURE TO OPERATE DOOR AND 3 SECONDS MINIMUM TO CLOSE FROM AN OPEN POSITION OF 70 DEGREES TO WITHIN 3" OF LATCH (MEASURED TO LEADING EDGE OF DOOR).
7. PROVIDE DOOR KEYING FOR NEW DOOR BY COORDINATING WITH PROJECT MANAGER.

(SEE DOOR SCHEDULE NOTE #1)



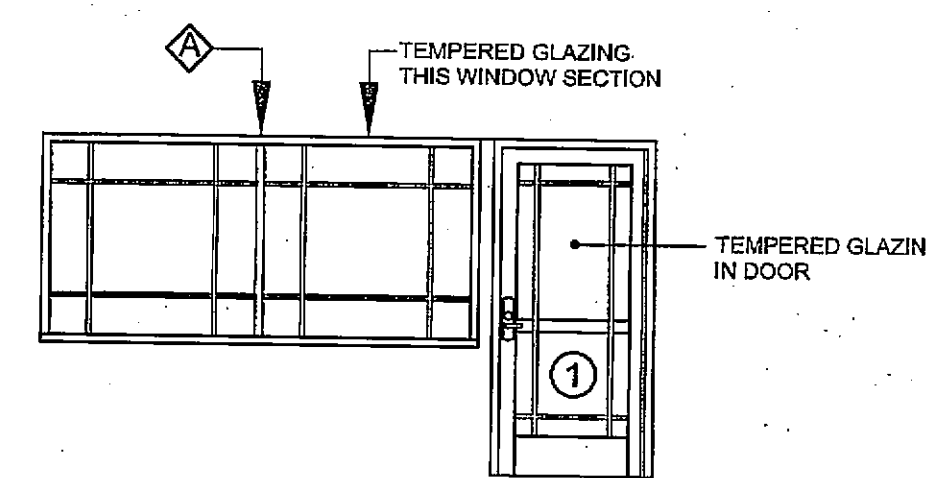
TO BE USED IF EXISTING
NOT TO BE RE-USED

LOCKWOOD RIM-TYPE PANIC
EXIT DEVICE WITH LEVER &
MORTISE LOCK
DOOR HANDING:
DEVICE TO BE INSTALLED ON
A "LEFT HAND OUTSWING"
EXTERIOR DOOR

WINDOW SCHEDULE

SYMBOL	SIZE h x w	TYPE	FRAME	SCREEN	DETAIL	REMARKS	SYMBOL
1	4'-4" x 8'-10"	FIXED	ALUM.	NO		RE-USE EXISTING WINDOW, IF FEASIBLE (SEE ELEVATION 'A', BELOW).	1
2	4'-4" x 5'-0"	FIXED	ALUM.	NO		MATCH EXISTING WINDOWS IN SOUTH-FACING WALL, IN EXISTING ROOM #107.	2
NOT USED	5'-0" x 5'-0"						NOT USED

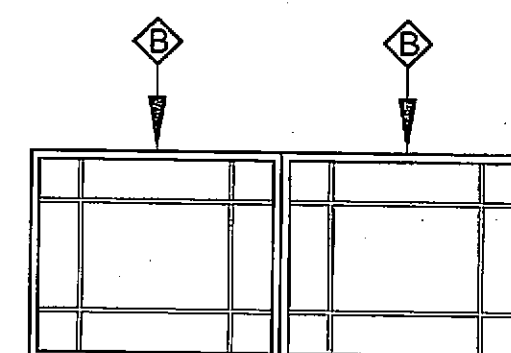
NOTE: WINDOW DIMENSIONS ARE GENERAL (IF NEW WINDOWS INSTALLED, VERIFY AND USE MANUFACTURER'S SPECIFIC DIMENSIONS)



ELEVATION 'A'

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

NOTE:
IF INSTALLING NEW DOOR, MATCH EXIST.



ELEVATION 'B'

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

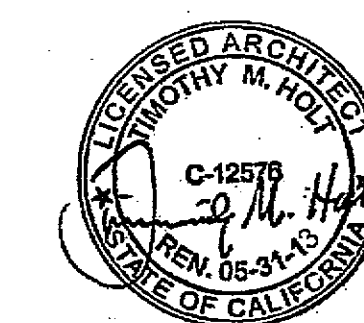
As-Built
Review

SHEET TITLE

Schedules - Notes and Details

AS-BUILT

A-1.2

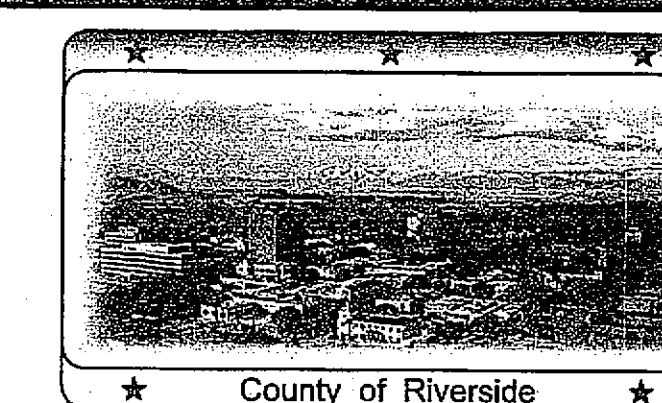


Mission Trail Community Library New Framed Addition onto Existing Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # **NOV 7 2012**
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MARK	DATE	DESCRIPTION
▲	10/17/2012	FM08110000243
▲	10/23/2012	BID SET

PROJECT NO: RVC.064
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11/2012

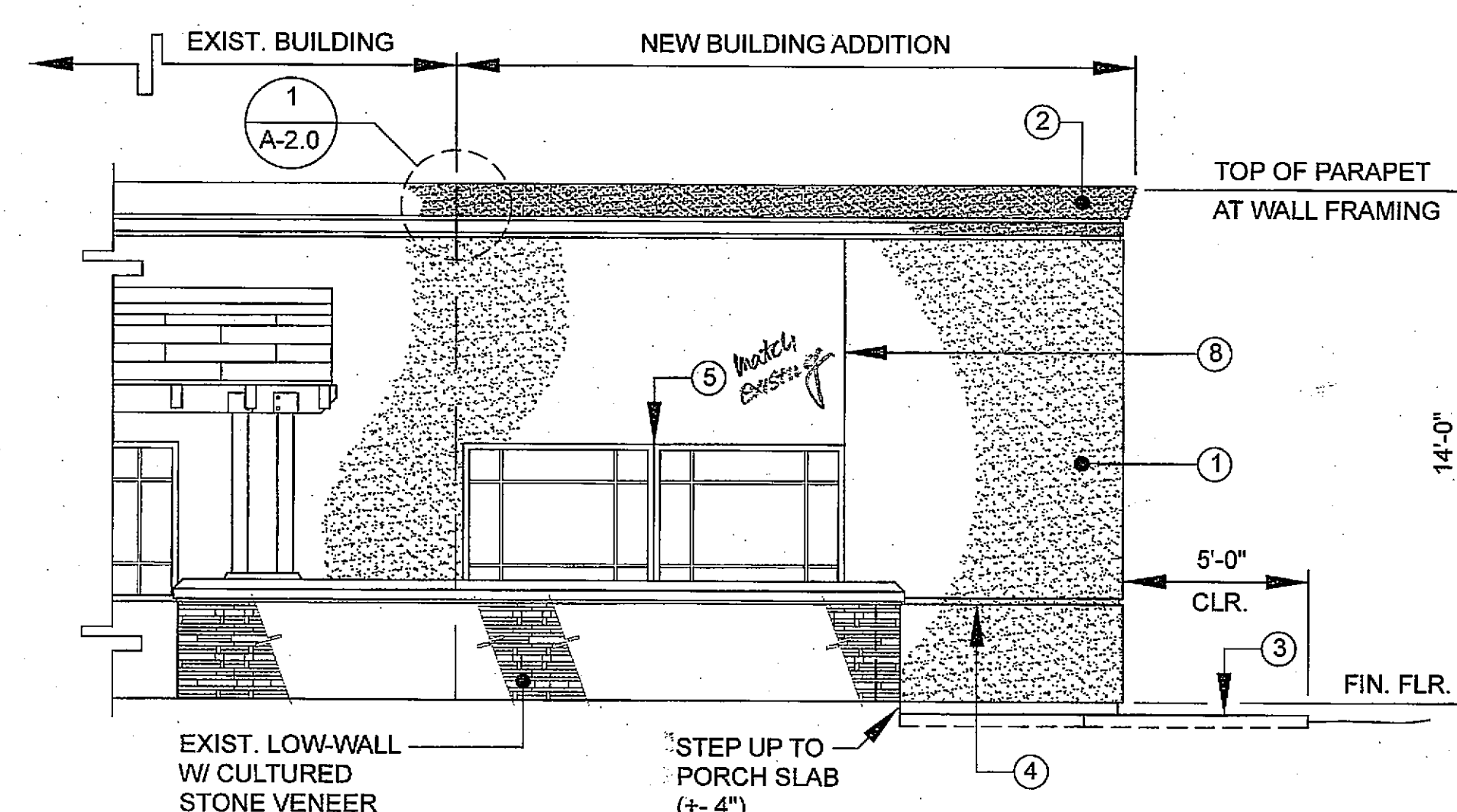
SHEET TITLE
Exterior Elevations

AS-BUILT

A-2.0

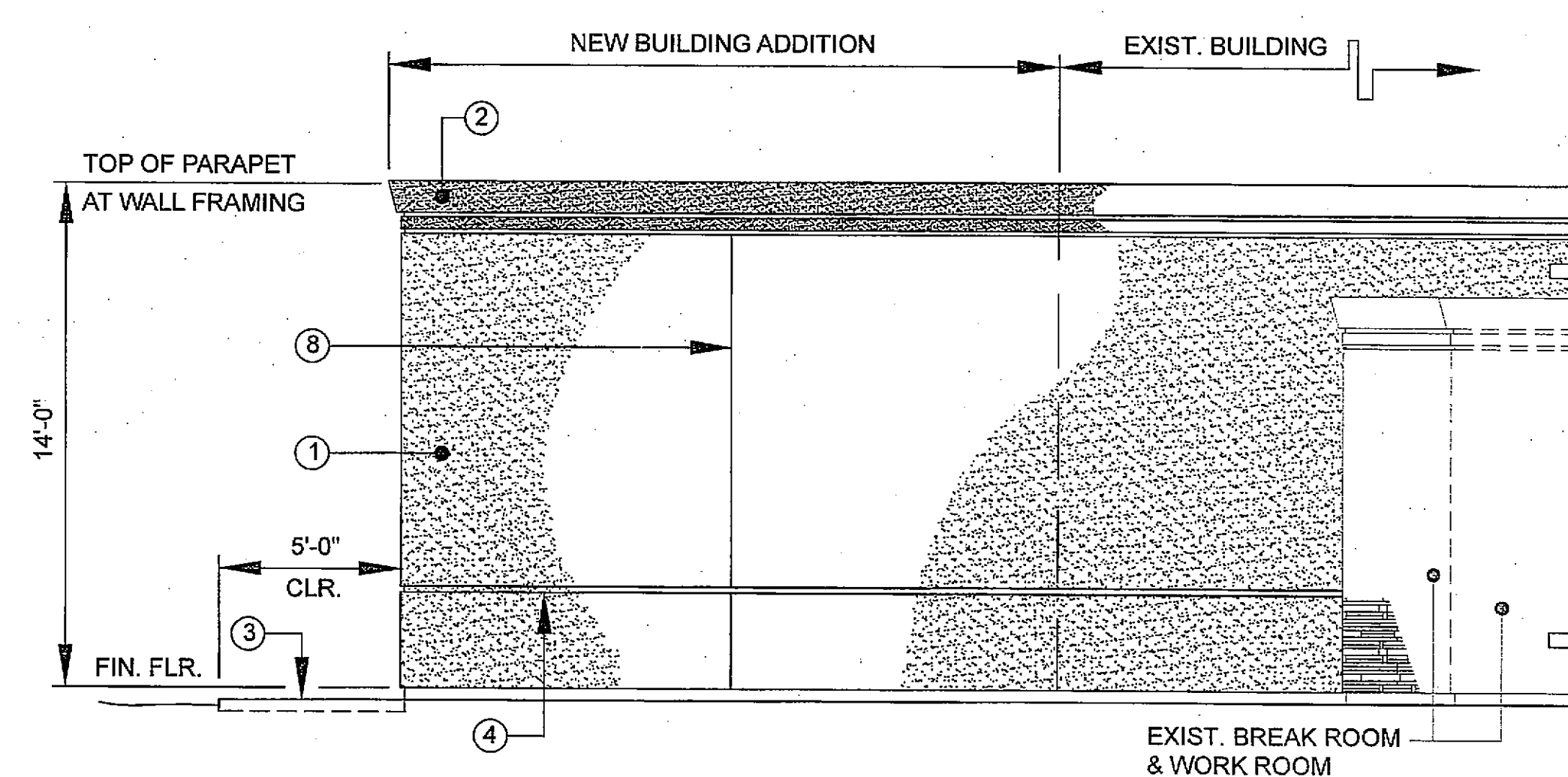
KEYNOTES

- EXTERIOR PLASTER FINISH, (MATCH EXIST.)
- EXTERIOR INSULATED FINISH SYSTEM, E.I.F.S., (MATCH EXIST.)
- P.C.C. WALKWAY
- PAINTED 2" WIDE SCREED, (MATCH EXIST.)
- FIXED-GLASS WINDOW, (MATCH EXIST. WINDOW IN COMMUNITY ROOM SOUTH WALL)
- 3070 DOOR WITH TEMPERED GLASS, (RE-USE EXIST. DOOR, IF FEASIBLE)
- EXIST. WINDOW FROM ORIGINAL EAST WALL, RE-USE IN NEW EAST WALL ADDITION
- CONTROL JOINT (SEE DETAIL #3 THIS SHEET)



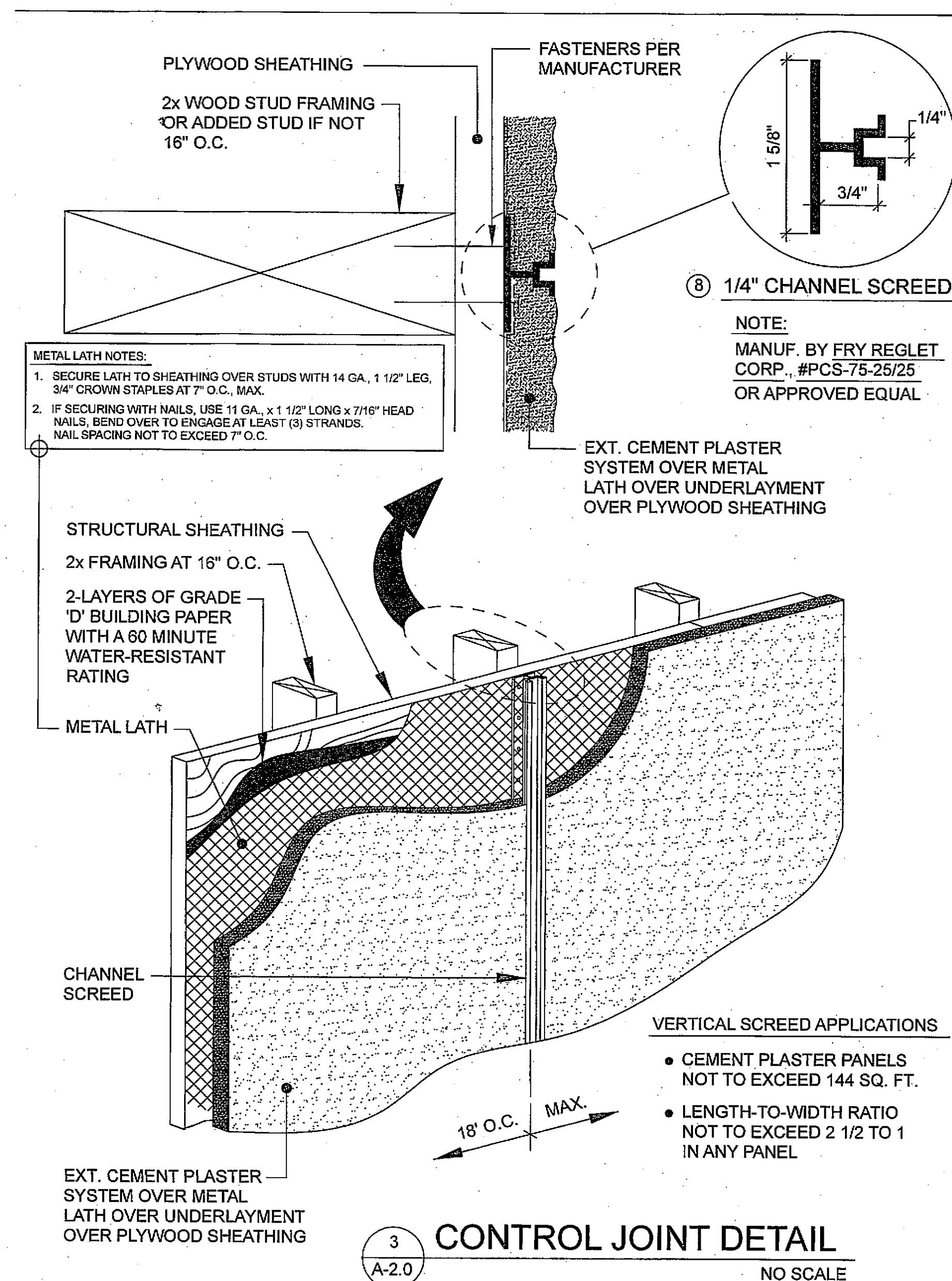
SOUTH ELEVATION

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



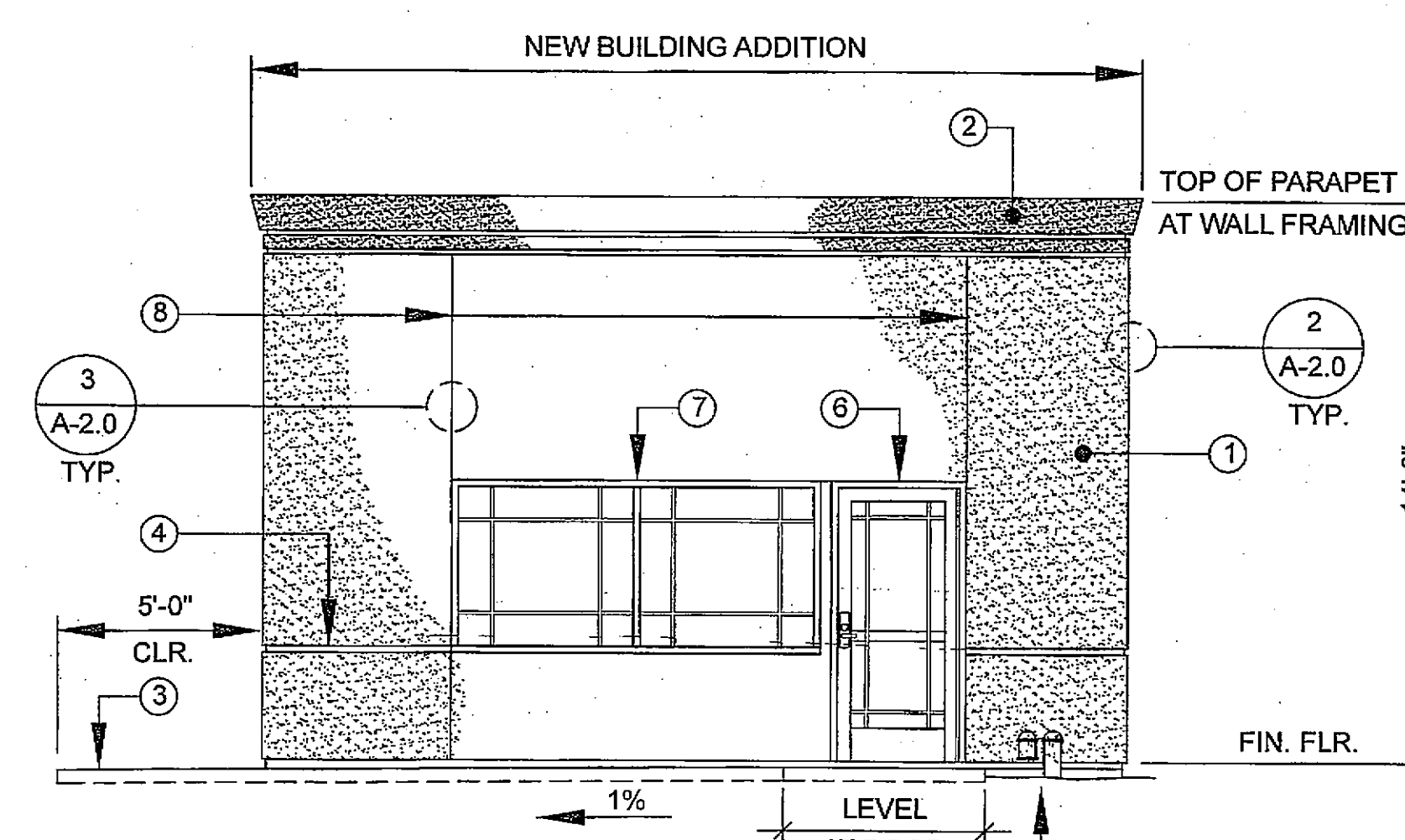
NORTH ELEVATION

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



CONTROL JOINT DETAIL

NO SCALE



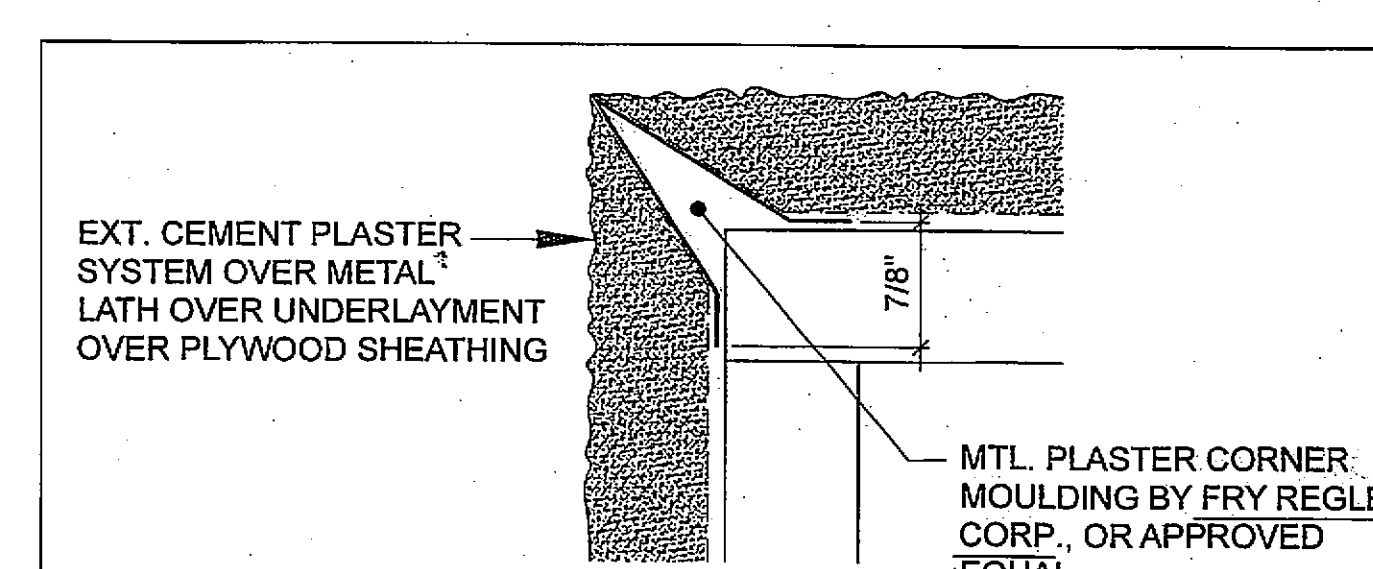
EAST ELEVATION

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

EXTERIOR ELEVATIONS

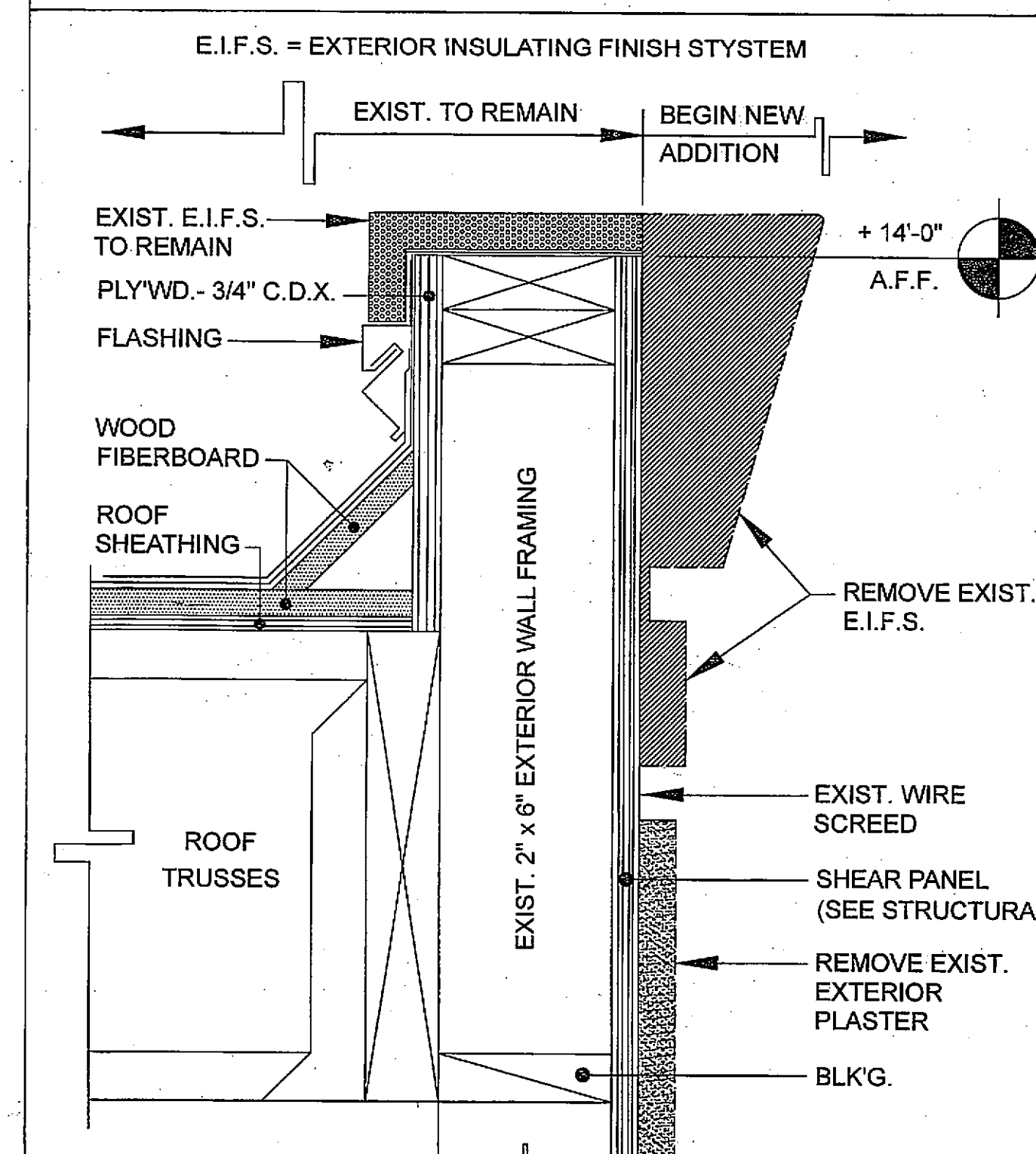
SCALE: 1/4" = 1'-0"

NOTE:
CONTRACTOR TO VERIFY EXISTING FINISHED CONDITIONS AND MATCH AS PER COLORS, TEXTURES, AND TYPES OF MATERIALS USED.



EXTERIOR CORNER DETAIL

NO SCALE



PARAPET DETAIL

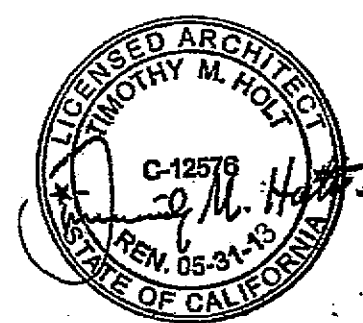
NO SCALE

NOTE:
WHERE E.I.F.S. & STUCCO REMOVED SEAL SHEAR PANEL(S).

As-Built

OR300-582327 P1 S3 - ANGELES CONTRACTOR, INC. - PG 008 OF 024 (P1 S3) 3 SETS.TIF - 5/22/2013 - 16:21

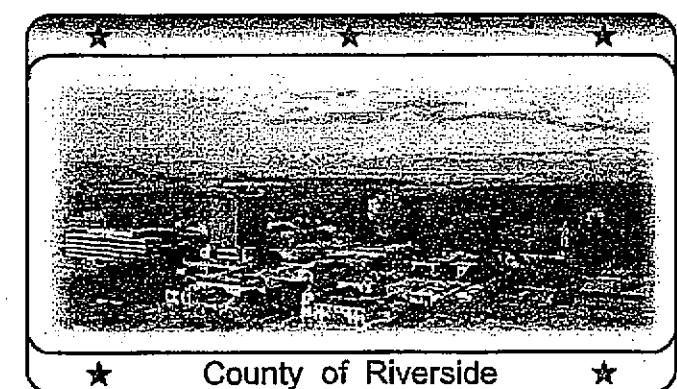
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**Mission Trail
Community Library**
New Framed Addition onto Existing
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4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # 10/11/2012 Date
Approved by [Signature] Date
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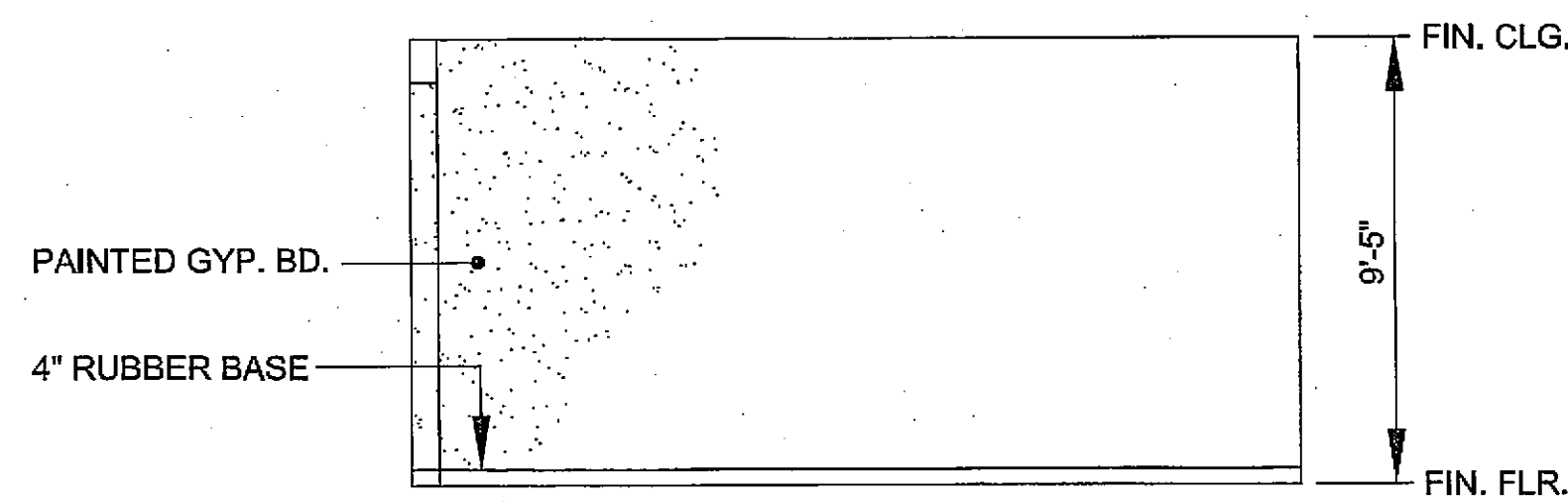
PROJECT NO: RVC.064
DRAWN BY: CS
CHKD BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

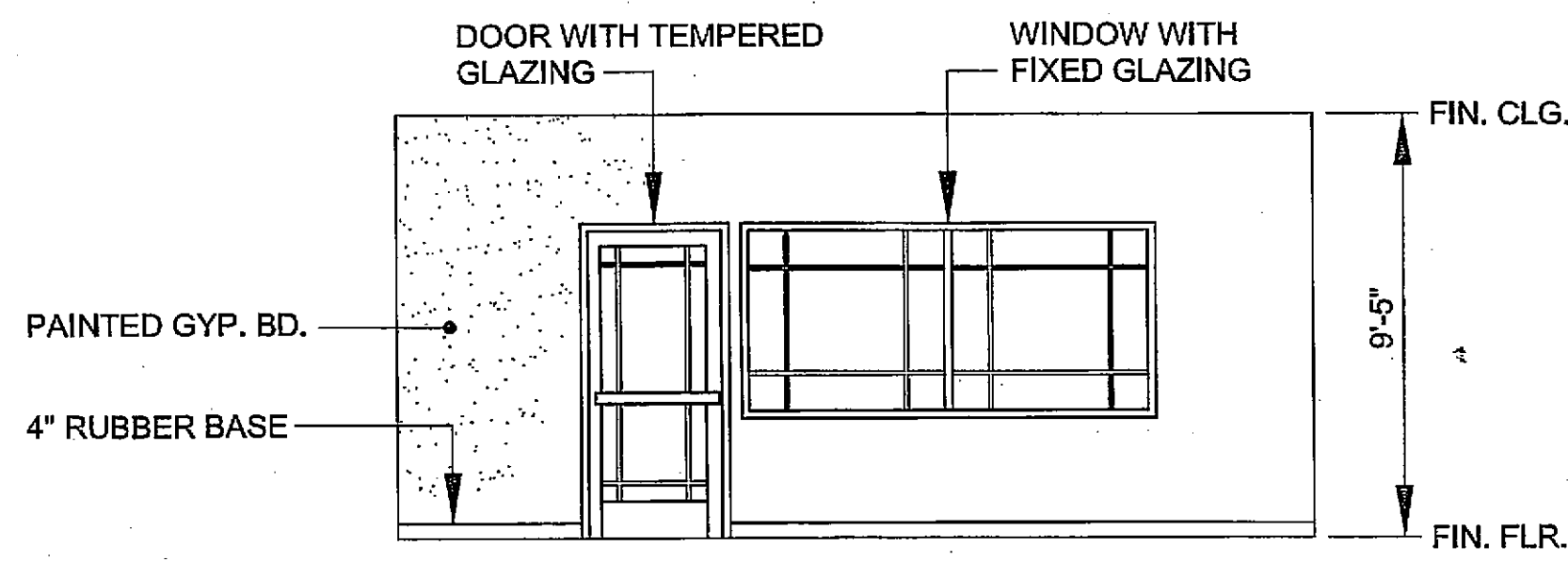
Interior Elevations

AS-BUILT

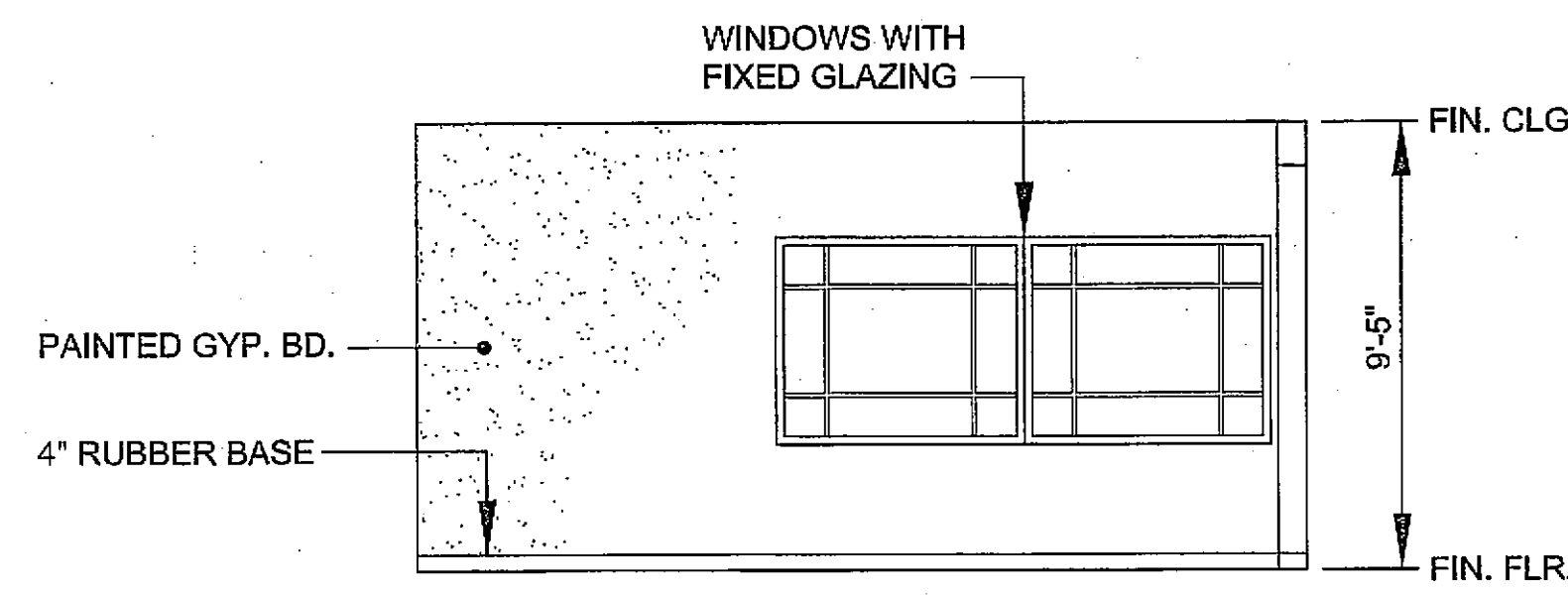
A-2.1



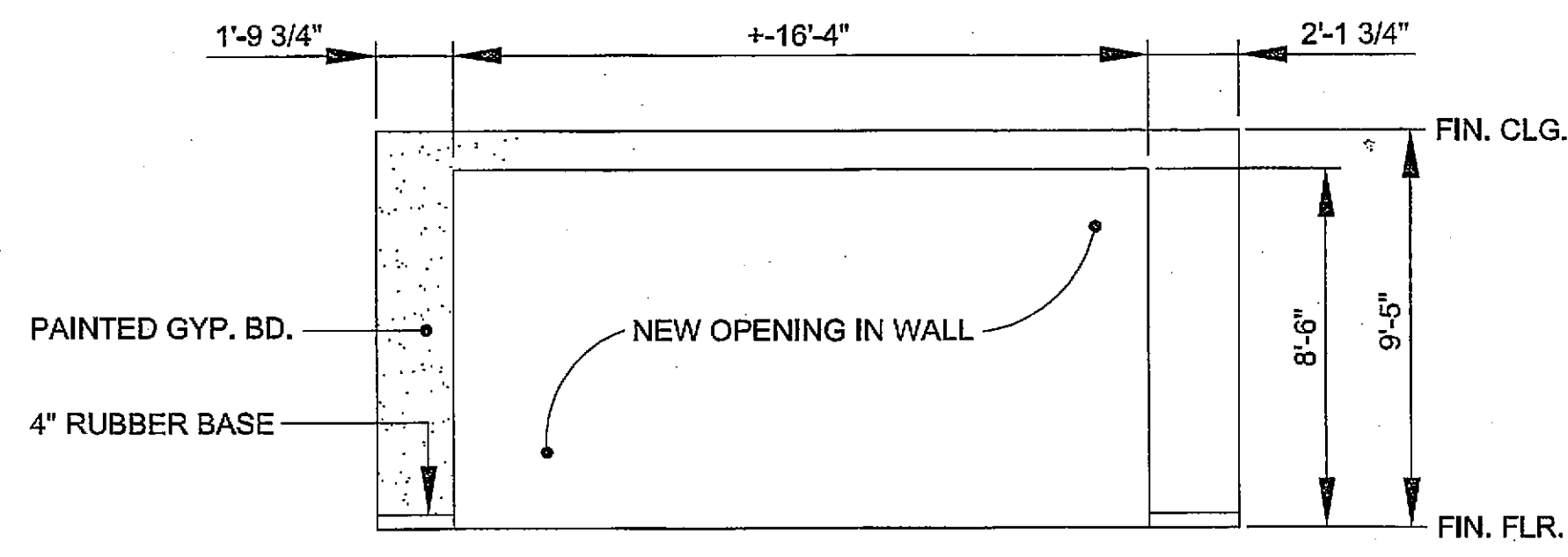
COMMUNITY ROOM WALL #1
SCALE: 1/4" = 1'-0"



COMMUNITY ROOM WALL #2
SCALE: 1/4" = 1'-0"



COMMUNITY ROOM WALL #3
SCALE: 1/4" = 1'-0"



COMMUNITY ROOM WALL #4
SCALE: 1/4" = 1'-0"

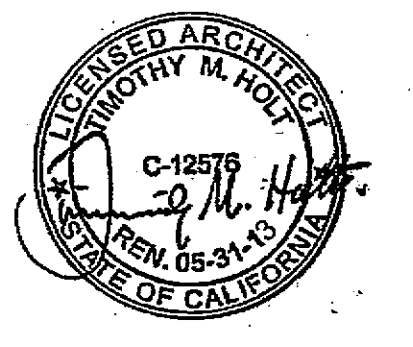
INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

1 REFER TO THIS SYMBOL ON
4 2 SHT. A-1.1, FOR WALL
3 ORIENTATION NOS.

As-Built
[Signature]

NOTE:
CONTRACTOR TO VERIFY EXISTING
FINISHED CONDITIONS AND MATCH
AS PER COLORS, TEXTURES, AND
TYPES OF MATERIALS USED.

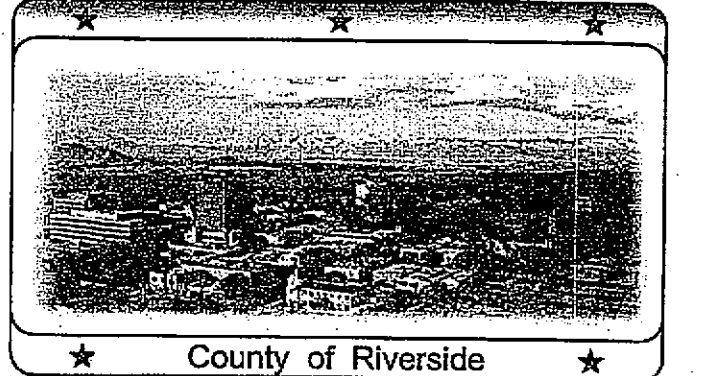
CONSULTANTS



**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room
4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # **Approved**
Date **10/17/2012**
APPROVED FOR CONSTRUCTION
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MARK	DATE	DESCRIPTION
1	10/17/2012	FM08110000243
2	10/23/2012	BID SET

PROJECT NO: RVC.064
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

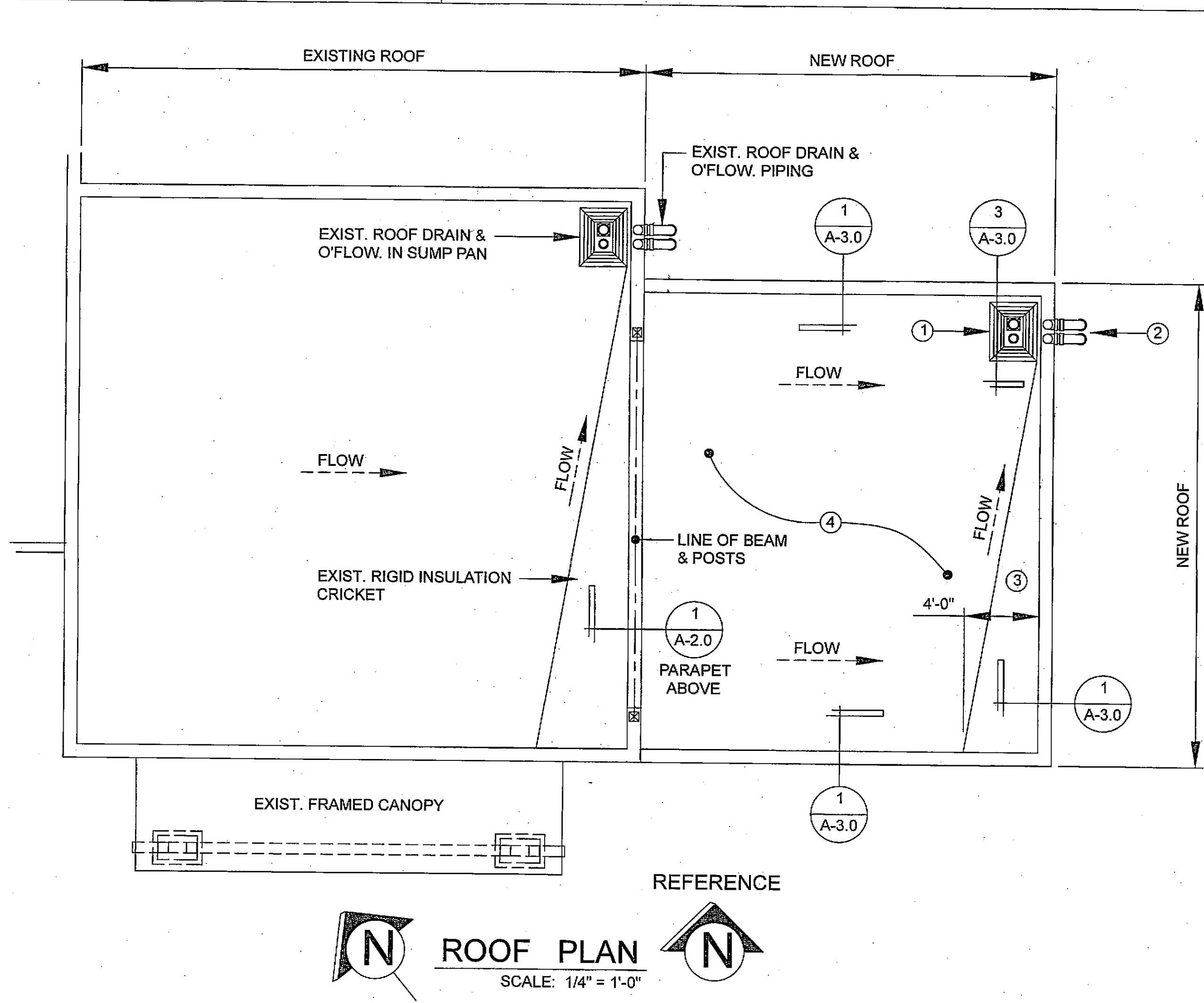
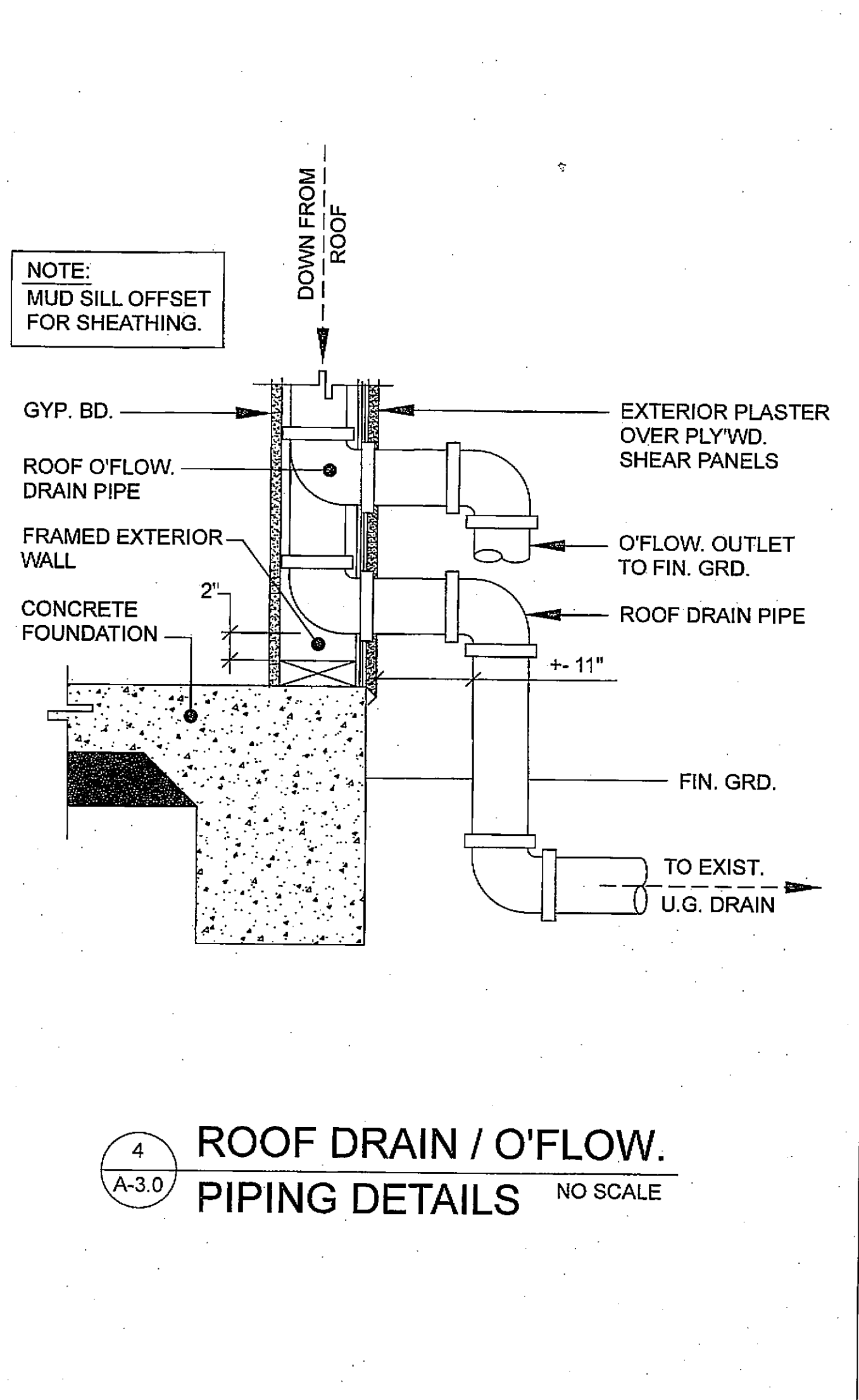
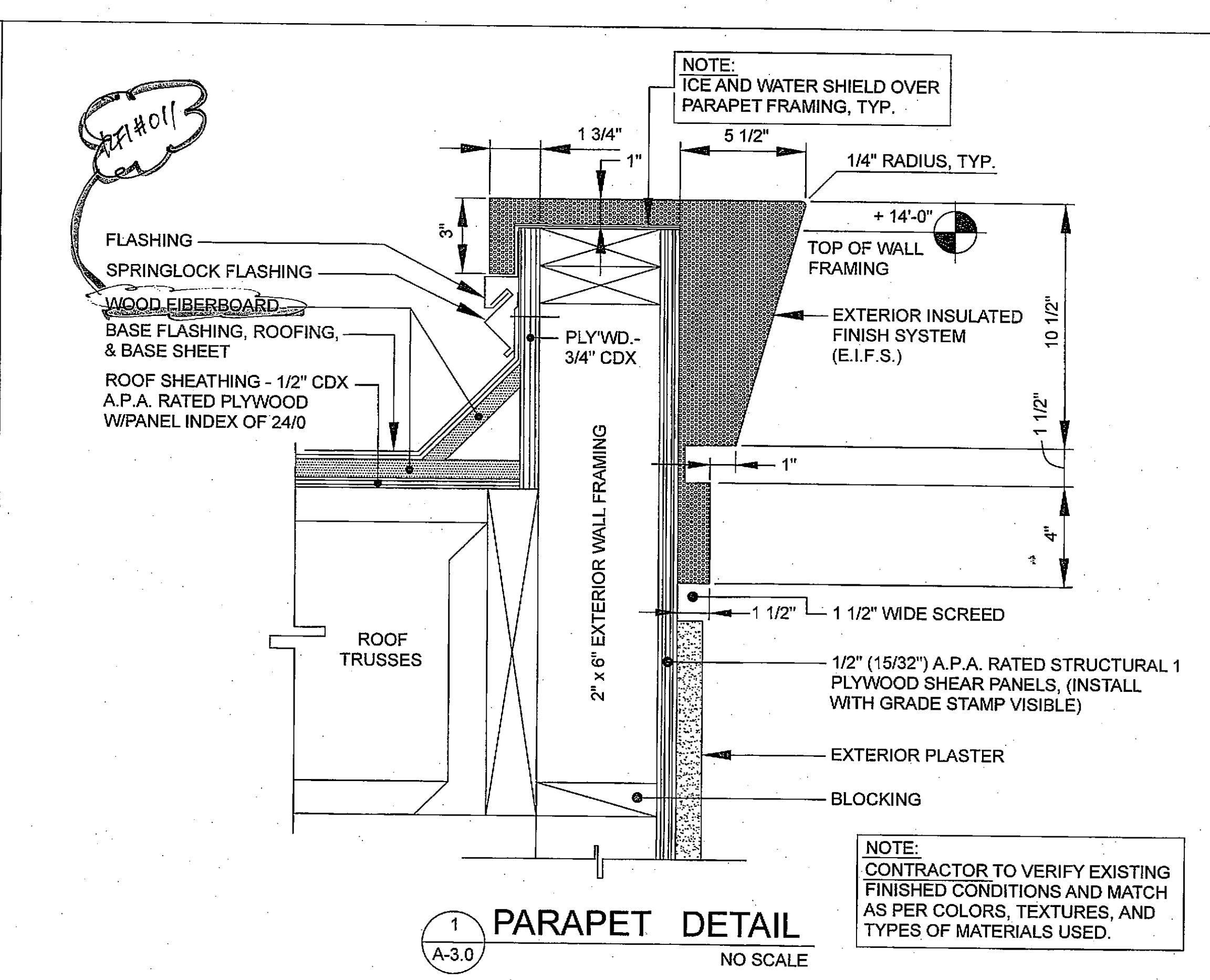
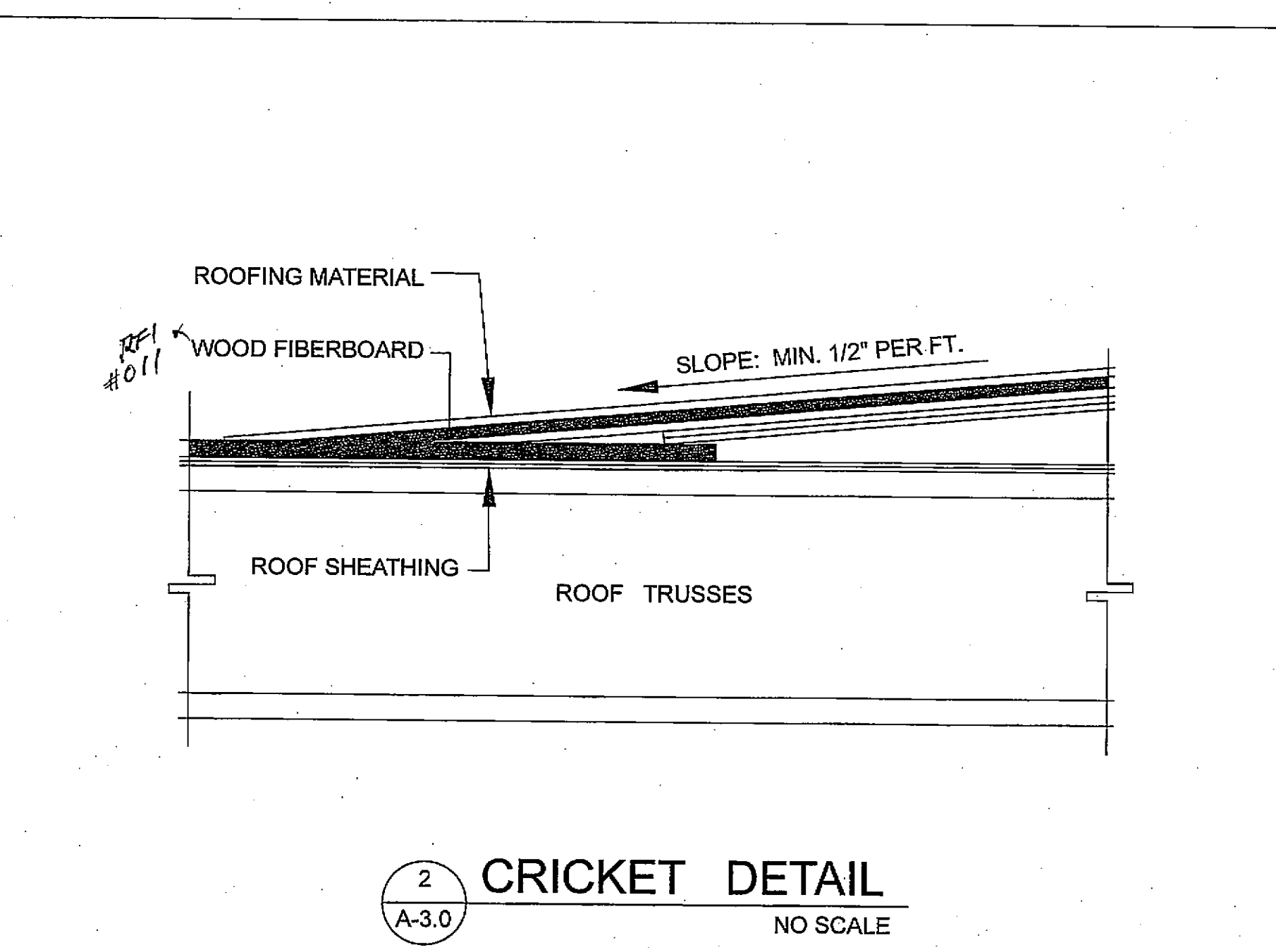
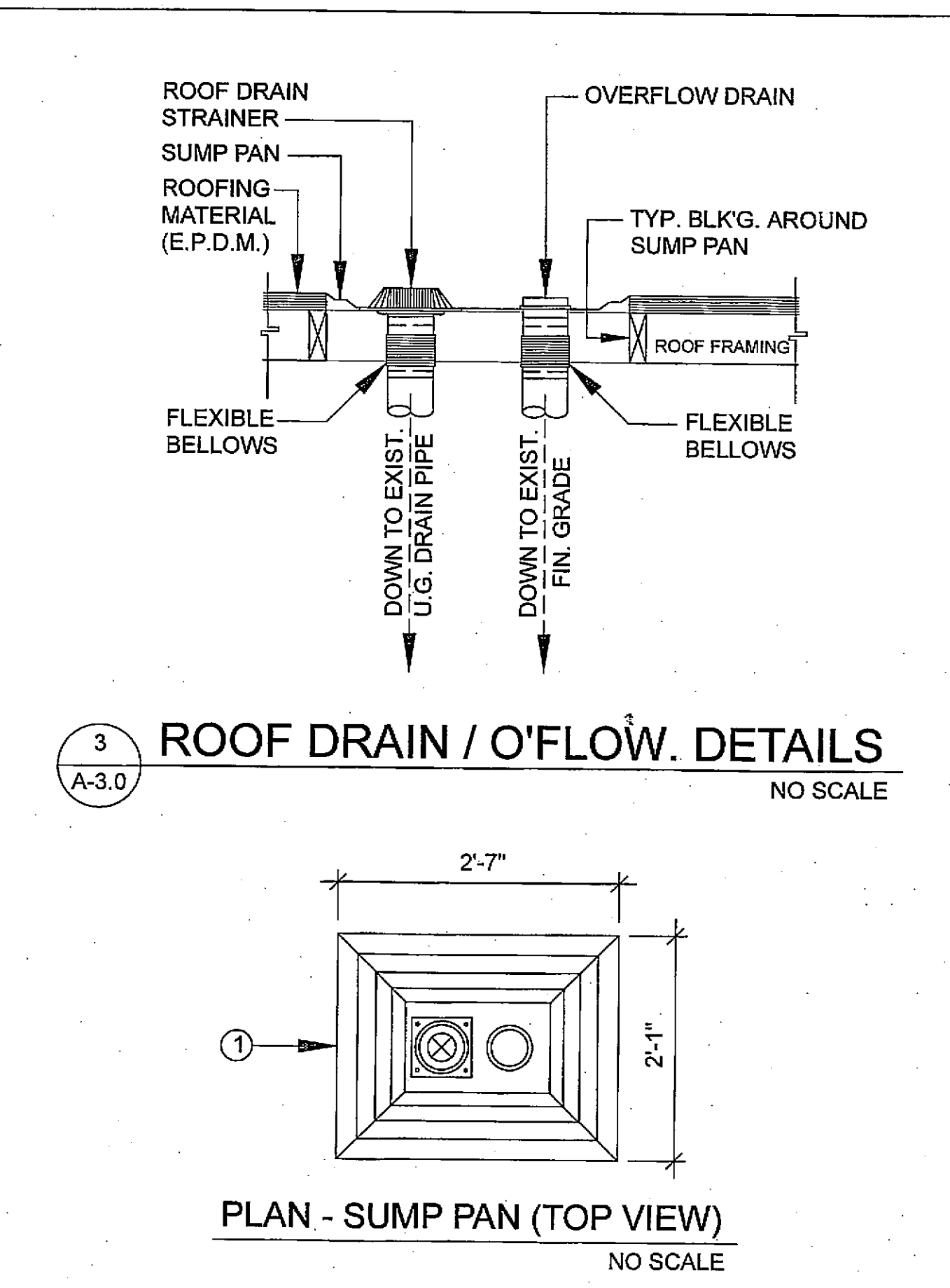
Roof Plan and Details

AS-BUILT

A-3.0

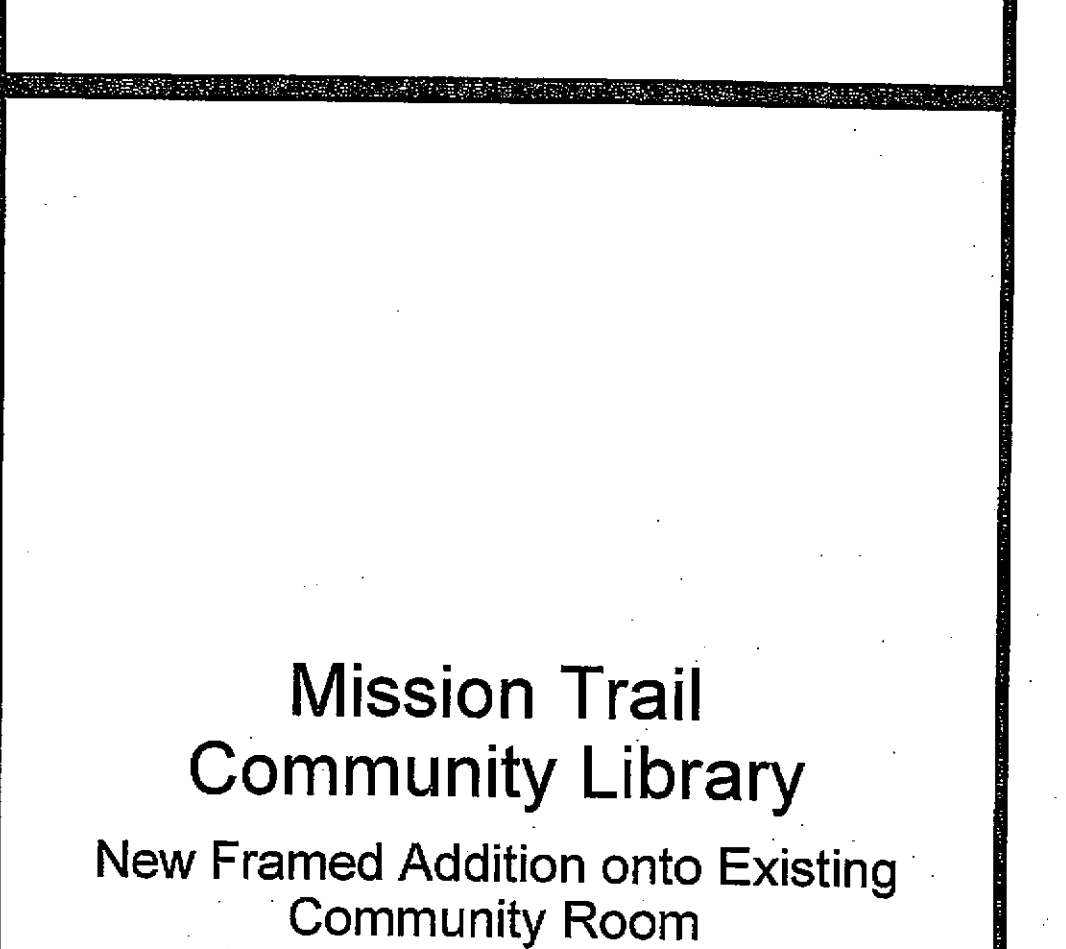
KEYNOTES

- 1 NEW ROOF DRAIN & O'FLOW. IN SUMP PAN, (SEE DETAIL 3, THIS SHEET)
- 2 NEW ROOF DRAIN & O'FLOW. DRAIN PIPES, (CONTRACTOR TO CONNECT NEW DRAIN PIPE TO EXIST. DRAIN PIPING U.G., AS REQUIRED, SEE DETAIL 4, THIS SHEET)
- 3 NEW RIGID INSULATION CRICKET WITH MIN. 1/2" PER FT. SLOPE (SEE DETAIL 2, THIS SHEET)
- 4 NEW MULTIPLE-PLY BUILT-UP ROOF

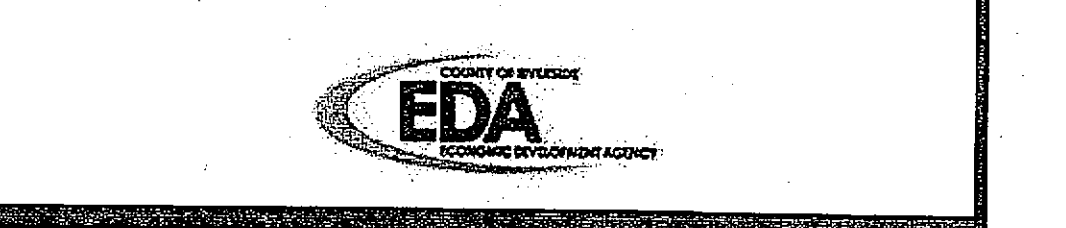


As-Built

100



Project # _____ Date _____
 Plan Reviser _____ Date _____
 APPROVED FOR CONSTRUCTION
 MODIFIED
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PROJECT NO:	RVC.054
DRAWN BY:	CS
CHK'D BY:	RC
ORIGINAL DATE:	10/11/2012

Roof Framing Plan

AS-BUILT

A-3.1

◆ **FRAMING MEMBERS**

◆ 11 7/8" TJ[®] 360 @ 24" O.C., TRUS JOIST FROM
WEYERHAEUSER.

1. SEE SHT. NO. SN, FOR MORE INFORMATION.
2. ALL MULTIPLE MEMBERS, SUCH AS, DOUBLE JOISTS AND DOUBLE STUDS, TO BE NAILED TOGETHER WITH 16d NAILS @ 16" O.C. STAGGERED. MULTIPLE PIECE BEAMS, IF OCCURS, TO BE BOLTED TOGETHER WITH 1/2" MACHINE BOLTS @ 12" O.C. STAGGERED.
3. HANGERS: USE "U" OR "LB" HANGERS FOR JOISTS.
4. USE "HU" HANGERS FOR MULTIPLE JOISTS.

SHEAR MATERIAL TO BE CONTINUOUS THROUGH WALLS, IF OCCURS.

WHERE OCCURS, ALL POSTS AND/OR MULTIPLE STUDS IN WALLS TO HAVE EDGE NAILING FROM WALL SHEATHING. ANY/ALL BEAMS, WHERE OCCURS, TO RECEIVE BOUNDARY NAILING FROM NAILING.

1) 15/32" A.P.A. RATED STRUCTURAL 1
PLYWOOD WITH 10d NAILS 3" O.C. AT EDGES
AND 12" O.C. FIELD. (SEE TABLE NO. 1, THIS SHEET.)
3x SILL PLATE W/5/8" ϕ x 10" ANCHOR BOLT
BOLT SPACING OF 16" O.C. TO CONC. FTG.

SHEAR WALL NOTES:

- IF OCCURS, AND PLYWOOD IS APPLIED ON BOTH WALL FACES AND NAIL SPACING IS <6" O.C., PANEL JOINTS TO BE OFFSET SO AS TO OCCUR ON DIFFERENT FRAMING MEMBERS, OR, FRAMING TO BE A 3x OR WIDER AND NAILS TO BE STAGGERED ON BOTH SIDES.
- USE 3" x 3" x 1/4" STEEL PLATE WASHERS ON ALL ANCHOR BOLTS.
- THE DISTANCE FROM THE END OF A SHEAR PANEL AND/OR A SILL PLATE TO THE FIRST ANCHOR BOLT, NOT TO BE $\geq 12"$ OR $\leq 3/8"$.

2 3/8" A.P.A. RATED PLYWOOD/O.S.B. W/8d
NAILS 6" O.C. AT EDGES AND 12" O.C. FIELD

1/2" CDX A.P.A. RATED STRUCTURAL 1 PLYWOOD
WITH A PANEL INDEX OF 24/0.

B.N.: 10d COMMON NAIL @ 6" O.C.
E.N.: 10d COMMON NAIL @ 8" O.C.
F.N.: 10d COMMON NAIL @ 12" O.C.
PROVIDE SOLID BLOCKING AT ALL EDGES

NAILING ABBREVIATIONS:

B.N. BOUNDARY NAILING
E.N. EDGE NAILING
F.N. FIELD NAILING



NOTES:

1. HEADER WIDTH SHALL BE THE SAME AS STUD WIDTH.
2. USE SIZES SHOWN ON SCHEDULE, U.N.O.

18'-0"

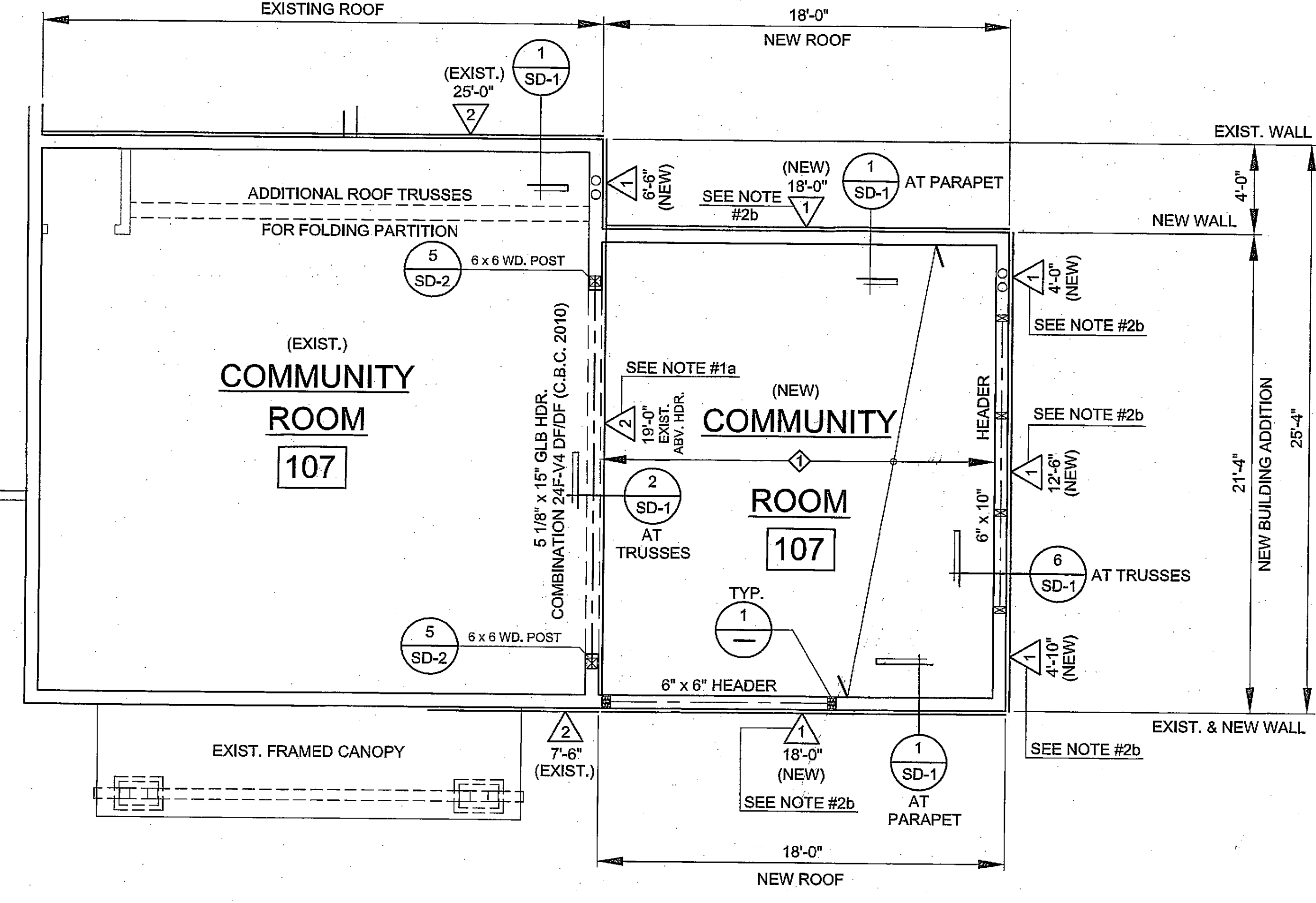
 SHEAR PANEL NUMBER WITH
MINIMUM LENGTH NOTED

 SPAN & DIRECTION OF ROOF
FRAMING MEMBERS

-DETAIL NUMBER

 SECTION SYMBOL

-DETAIL SHEET NUMBER



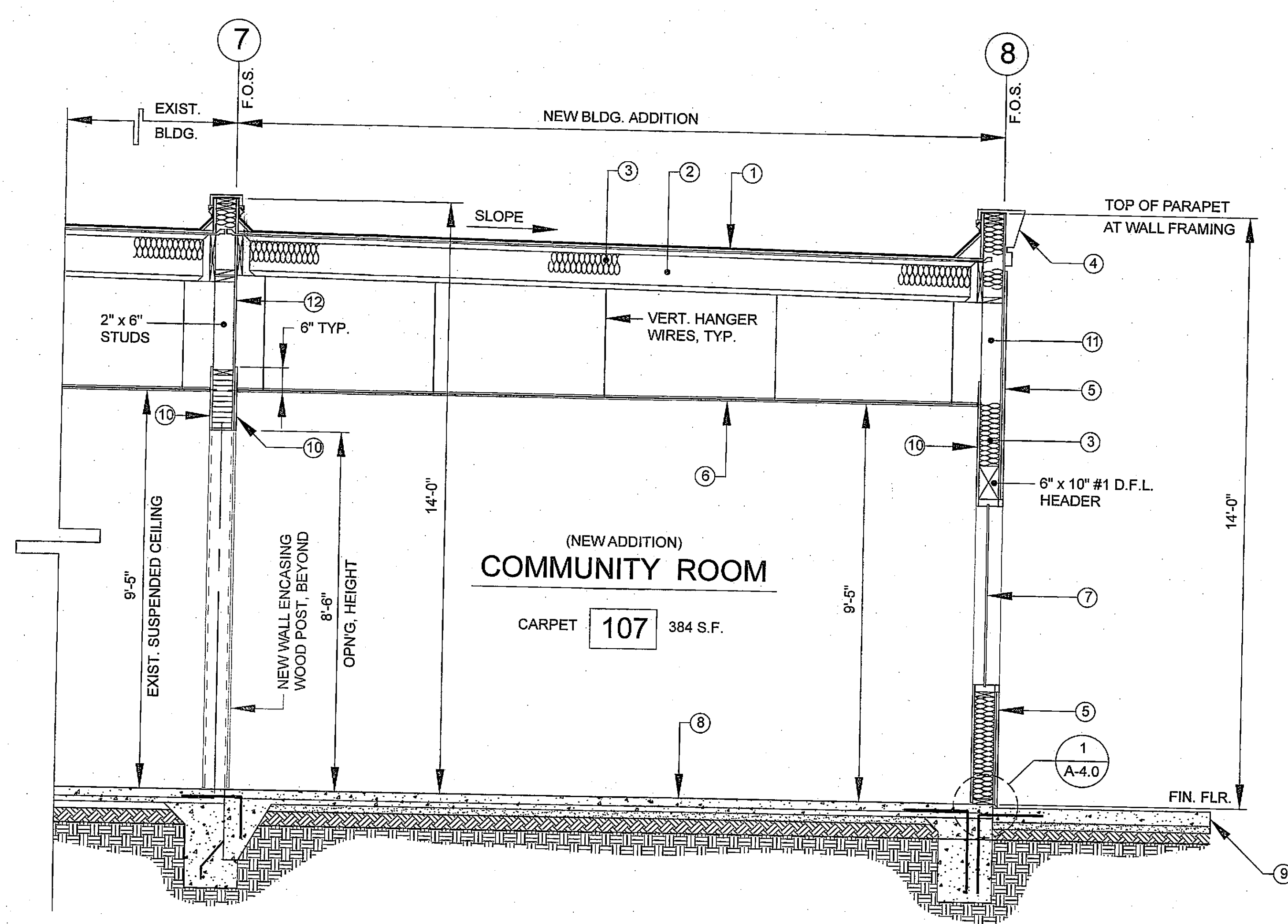
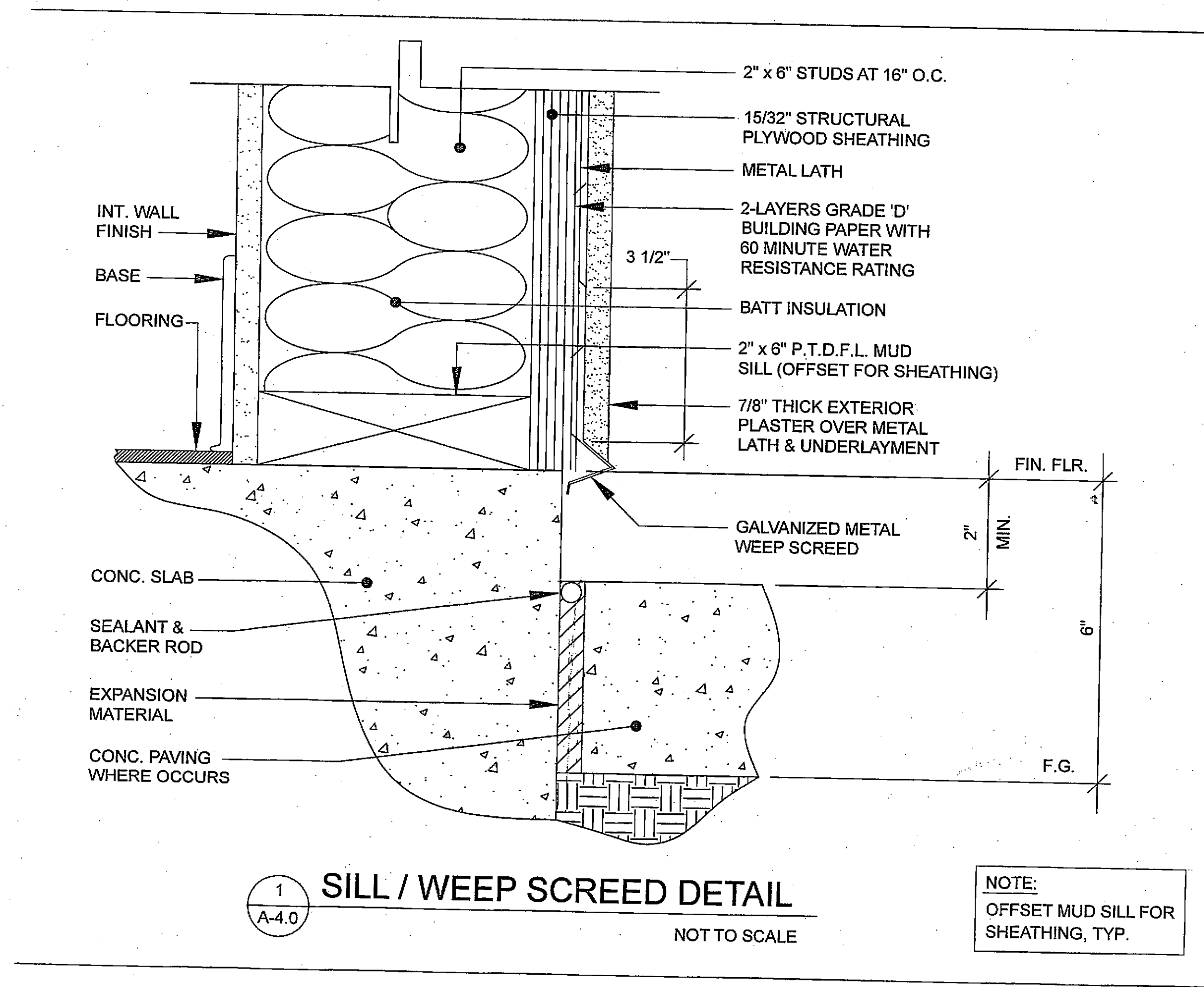
ROOF FRAMING PLAN

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

REFERENCE

As-Built
Reviewed by

A-3.1

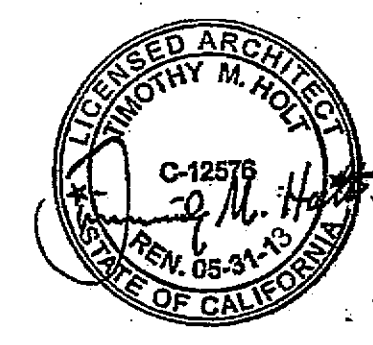


- KEYNOTES**
- ① — ROOF SHEATHING (MATCH EXIST.)
1/2" CDX A.P.A. RATED PLYWOOD
WITH A PANEL INDEX OF 24/0
 - ② — ROOF FRAMING - 11 7/8" TJI @ 360
@ 24" O.C. TRUS JOIST FROM
WEYERHAEUSER
 - ③ — INSULATION (MATCH EXIST.)
 - ④ — PRE-FORMED CORNICE (E.I.F.S.)
EXTERIOR INSULATED FINISH
SYSTEM (MATCH EXIST.)
 - ⑤ — EXTERIOR PLASTER FINISH
(MATCH EXIST.) OVER A.P.A.
RATED 15/32" STRUCTURAL NO. 1
PLYWD. SHEATHING
 - ⑥ — SUSPENDED CEILING SYSTEM
(MATCH EXIST.)
 - ⑦ — WINDOW (RE-USE EXIST.)
 - ⑧ — 4" THK. CONCRETE SLAB
 - ⑨ — 4" THK. P.C.C. WALKWAY
 - ⑩ — 5/8" TYPE 'X' GYP. BD. INT. FINISH
 - ⑪ — EXTERIOR WALL FRAMING
2" x 6" @ 16" O.C. WITH A.P.A. RATED
15/32" STRUCTURAL NO. 1 PLYWD.
SHEATHING
 - ⑫ — A.P.A. RATED 15/32" STRUCTURAL
NO. 1 PLYWOOD SHEATHING

HOLT
ARCHITECTURE

70-225 Highway 111, Suite D
Rancho Mirage, CA 92270
760/328.5280
WWW.HOLTARCHITECTS.NET

CONSULTANTS

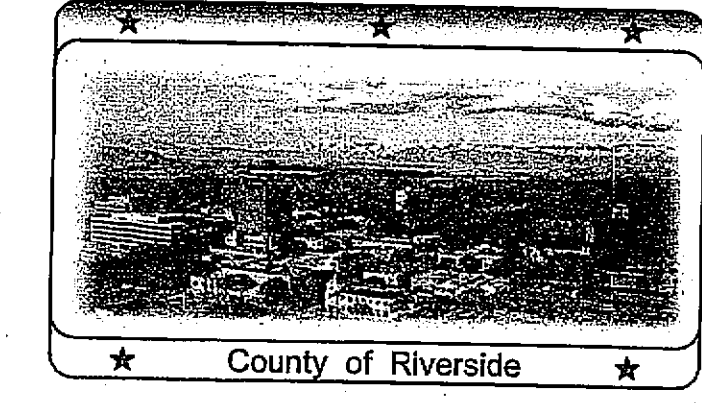


**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # NOV 7 2012
APPROVED FOR CONSTRUCTION
Approved by [Signature] Specifications shall not
be construed to be a part of, or an approval of,
any violation of any of the provisions of the
Federal, State or County laws and ordinances.
This set of plans and specifications shall be kept on
the job site until completion of the project.



MARK	DATE	DESCRIPTION
Δ	10/17/2012	FM08110000243
Δ	10/23/2012	BID SET

PROJECT NO: RVC.004
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11 / 2012

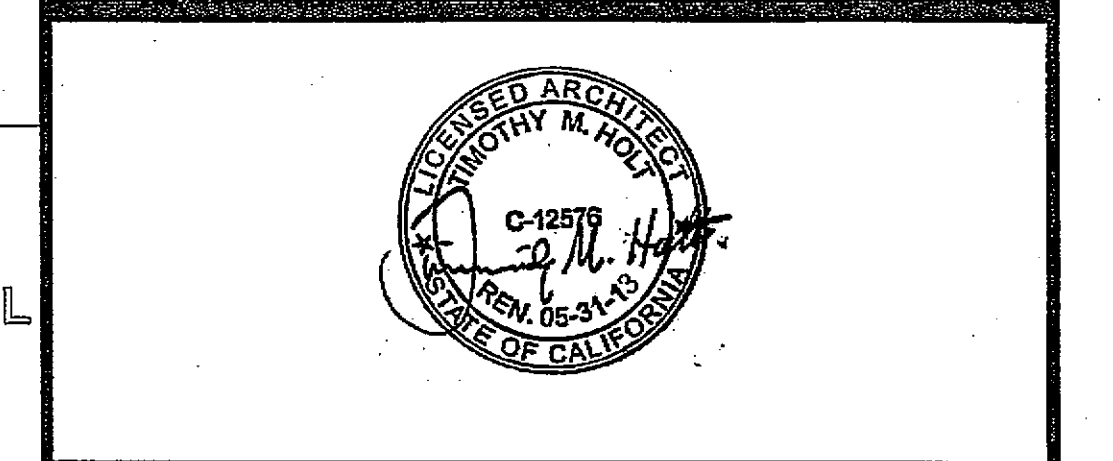
SHEET TITLE
Building Section

AS-BUILT

A-4.0

As-Built

M



**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

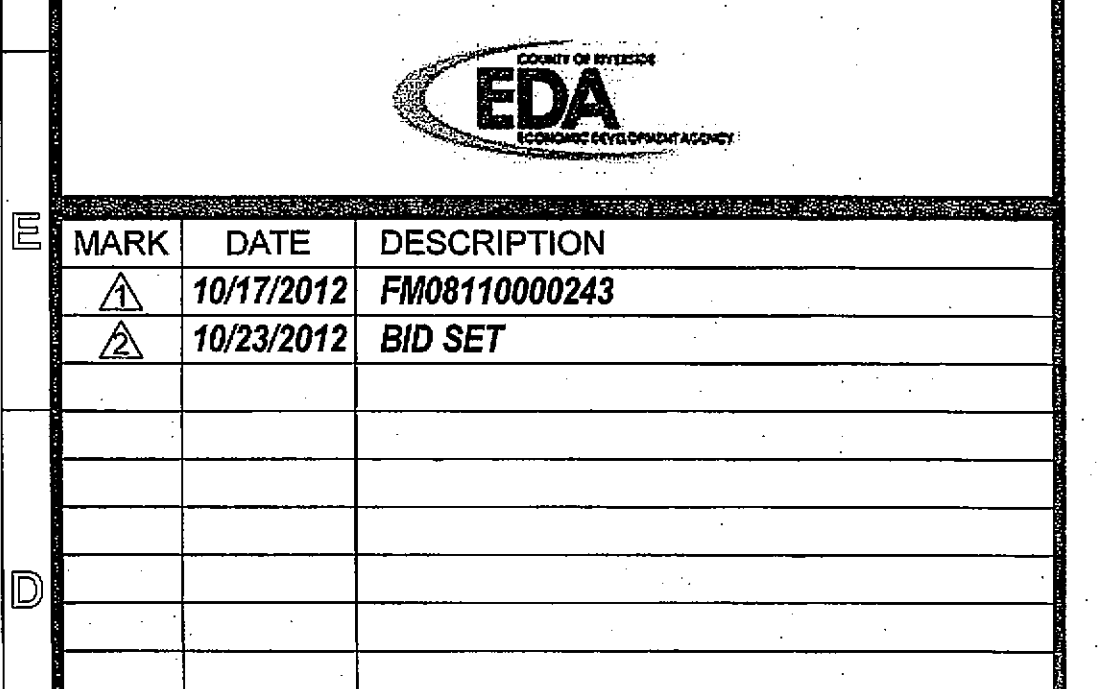
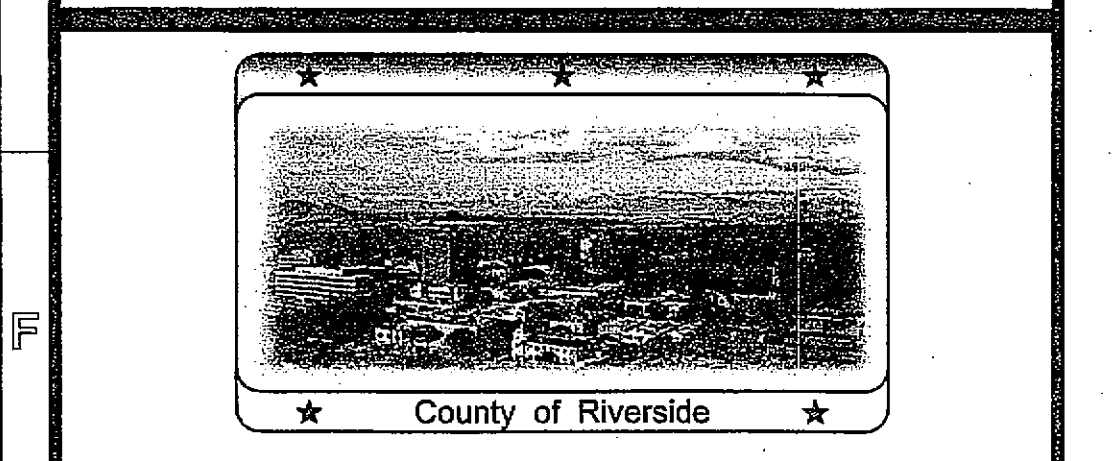
COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction
PLANNING

Project # _____

Plan Reviewer _____

APPROVED FOR DESIGN & CONSTRUCTION

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PROJECT NO:	RVC.064
DRAWN BY:	CS
CHK'D BY:	RC
ORIGINAL DATE:	10/11/2012

AS-BUILT

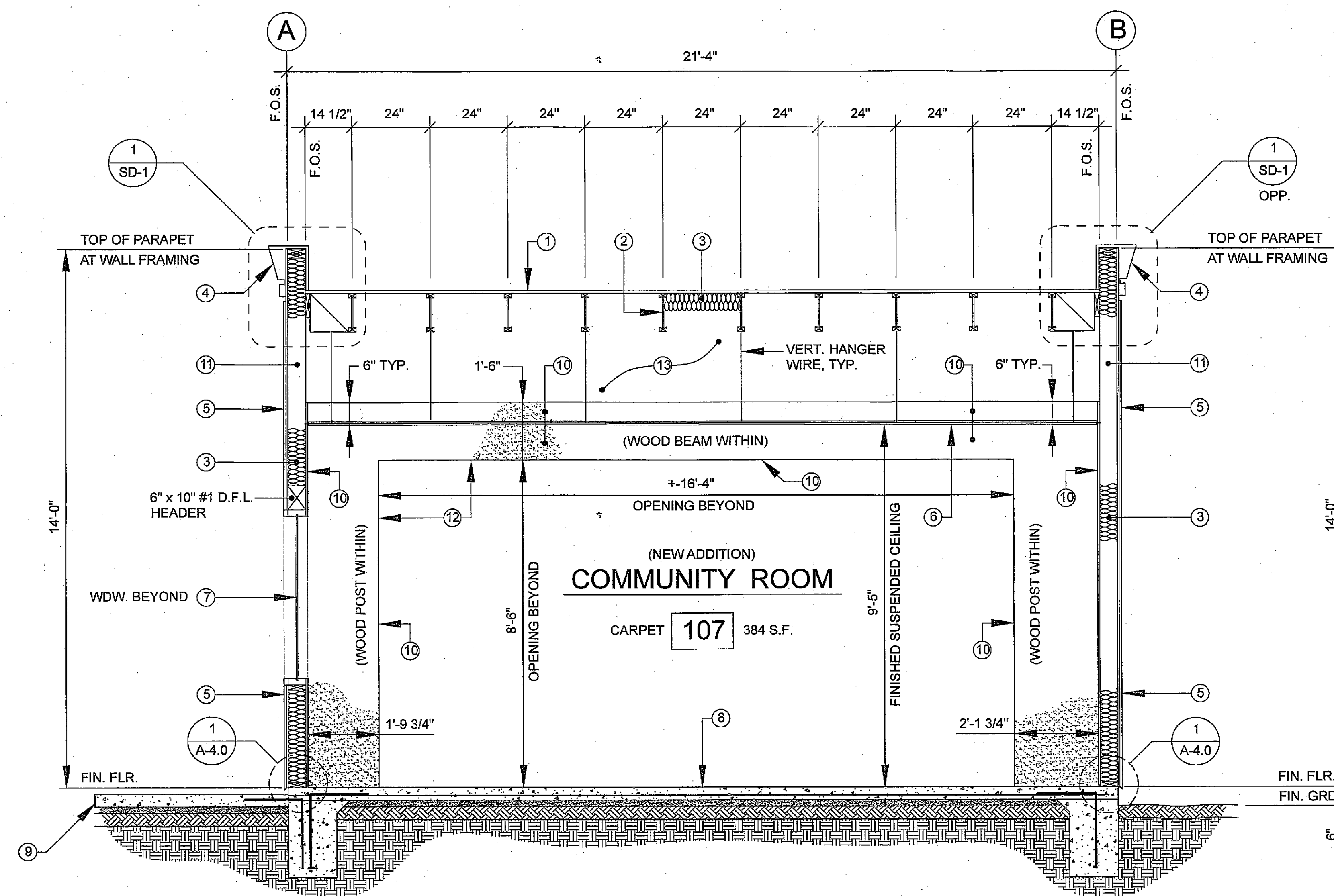
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B

AS-BUILT

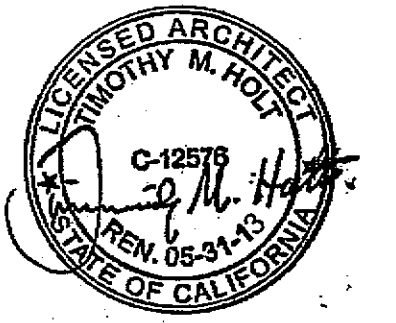
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- ## ○ KEYNOTES
- ① ROOF SHEATHING (MATCH EXIST.)
1/2" CDX A.P.A. RATED PLYWOOD
WITH A PANEL INDEX OF 24/0
 - ② ROOF FRAMING - 11 7/8" TJI [®]360
@ 24" O.C., TRUS JOIST FROM
WEYERHAEUSER
 - ③ INSULATION (MATCH EXIST.)
 - ④ PRE-FORMED CORNICE (E.I.F.S.)
EXTERIOR INSULATED FINISH
SYSTEM (MATCH EXIST.)
 - ⑤ EXTERIOR PLASTER FINISH
(MATCH EXIST.) OVER A.P.A.
RATED 15/32" STRUCTURAL NO. 1
PLYWD. SHEATHING
 - ⑥ SUSPENDED CEILING SYSTEM
(MATCH EXIST.)
 - ⑦ WINDOW (RE-USE EXIST.)
 - ⑧ 4" THK. CONCRETE SLAB
 - ⑨ 4" THK. P.C.C. WALKWAY
 - ⑩ 5/8" THK. TYPE 'X' GYP. BD. INT. FIN.
 - ⑪ EXTERIOR WALL FRAMING
2" x 6" @ 16" O.C. WITH A.P.A. RATED
15/32" STRUCTURAL NO. 1 PLYWD.
SHEATHING
 - ⑫ MODIFIED EXISTING ENDWALL,
CONTRACTOR TO CREATE AN
8'-8" HIGH OPENING
 - ⑬ A.P.A. RATED 15/32" STRUCTURAL
NO. 1 PLYWOOD SHEATHING



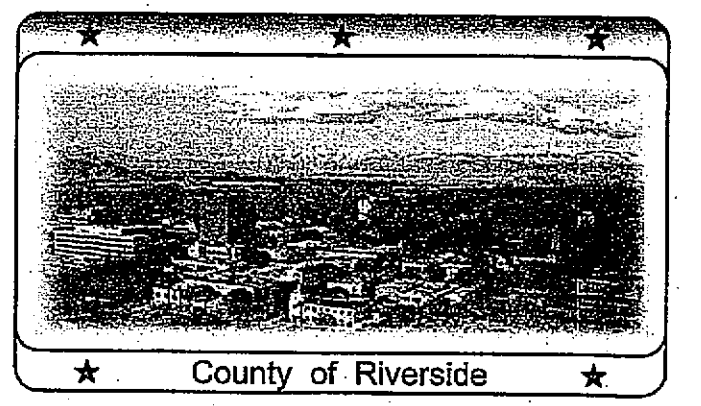
As-Built

CONSULTANTS



**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room
4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction
Project # NOU 7-2012
Plan Reviewed: [Signature] Date: 10/17/2012
APPROVED FOR CONSTRUCTION
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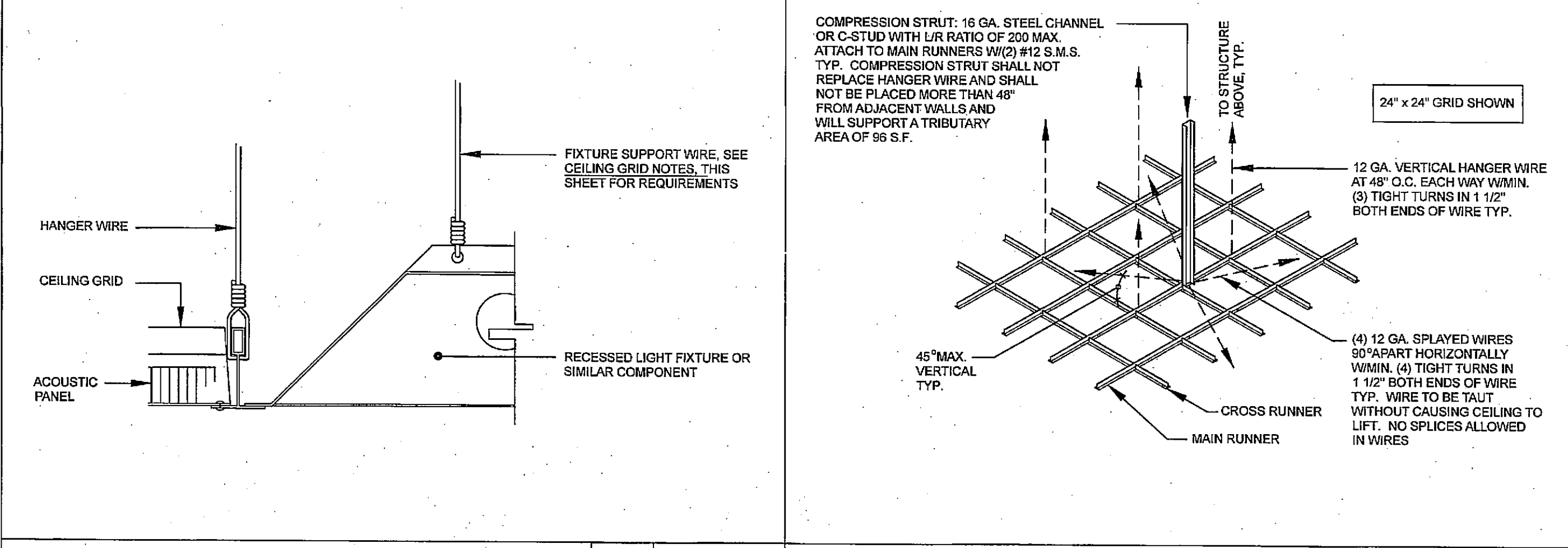
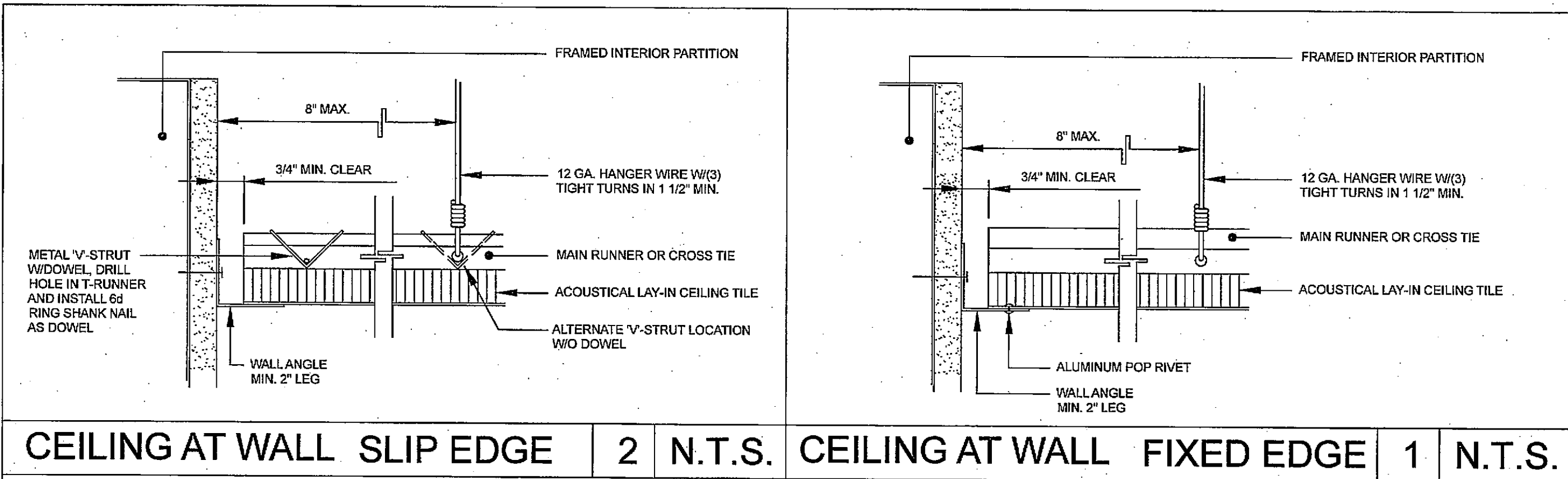
MARK	DATE	DESCRIPTION
▲	10/17/2012	FM0811000243
▲	10/23/2012	BID SET

PROJECT NO: RVC064
DRAWN BY: CS
CHKD BY: RC
ORIGINAL DATE: 10/11/2012

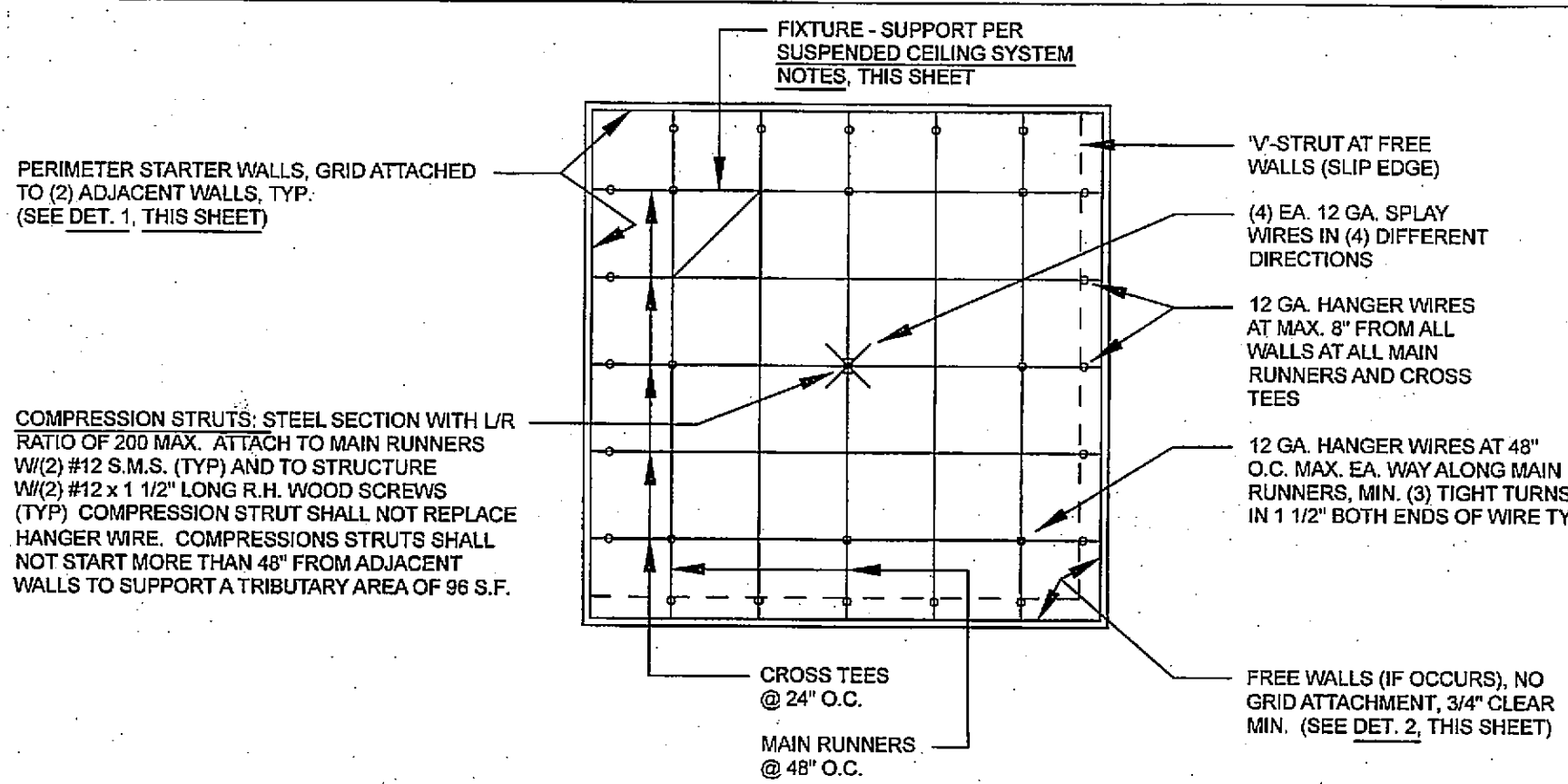
SHEET TITLE
Reflected Ceiling Plan

AS-BUILT

A-4.2



- SUSPENDED CEILING SYSTEM NOTES**
1. CEILING ASSEMBLY CLASSIFICATION: HEAVY-DUTY, FIRE-RESISTANCE-RATED SYSTEM IS DIRECT-HUNG PER ASTM C 635. ATTACHMENT DEVICES TO BE SIZED FOR (8) TIMES DESIGN LOAD AND MANUFACTURED FROM HOT-DIPPED GALVANIZED, COLD-ROLLED STEEL PER ASTM A 558 AND ASTM A 563. SIZE HANGER WIRE FOR YIELD STRESS TO EXCEED (3) TIMES HANGER DESIGN LOAD WITH 0.125\"/>
 2. MAIN RUNNERS: ALL MEMBERS ARE HEAVY-DUTY, INVERTED T-SHAPED, COLD-FORMED FROM ASTM A 558 STEEL WITH A HOT-DIPPED GALVANIZED COATING.
 3. CROSS RUNNERS: ALL MEMBERS ARE COLD-FORMED FROM ASTM A 558 STEEL WITH A HOT-DIPPED GALVANIZED COATING.
 4. THE SUSPENDED CEILING SYSTEM'S WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES SHALL NOT EXCEED (4) P.S.F.
 5. NO SPLICES PERMITTED IN HANGER WIRES.
 6. PROVIDE TRAPEZOID OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER BRACING. PROVIDE ADDITIONAL HANGERS, STRUTS, OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR ANY DISCONTINUOUS AREAS. MAINTAIN PLUMB IN HANGER WIRES, IF NOT POSSIBLE, USE COUNTER-SLOPING WIRES.
 7. PROVIDE SETS OF (4) 12 GA. SPAYED BRACING WIRES AT COMPRESSION STRUTS. WIRES TO BE ORIENTED 90 DEGREES FROM EACH OTHER.
 8. FASTEN HANGERS WITH MIN. (3) TIGHT TURNS. FASTEN BRACING WIRES WITH MIN. (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN (1\"/>
 9. SEPARATE ALL CEILING HANGING AND BRACING WIRES A MIN. OF (6\"/>
 10. ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE THAT EQUALS THE FIXTURE WEIGHT. ATTACH FIXTURES TO GRID WITH CLIPS COMPLYING WITH THE ICC-ES ACCEPTANCE CRITERIA FOR ATTACHMENT DEVICES FOR LUMINAIRES IN SUSPENDED CEILING SYSTEMS (AC054). POWER-DRIVEN NAILS HAVING A MINIMUM SHEAR STRENGTH OF (316) LBF AND A MIN. TENSION STRENGTH OF (137) LBF FOR A 2002 GAGE METAL-TO-METAL CONNECTION.
 11. ITEMS IN CEILING GRID WEIGHING < 55 LBS. MUST BE SUPPORTED ON THE HEAVY-DUTY GRID. HOWEVER, THEY MUST HAVE A MIN. OF (3) 12 GA. SAFETY SLACK WIRES ATTACHED DIAGONALLY TO THE FIXTURES AND TO THE BUILDING STRUCTURE ABOVE.
 12. ITEMS IN CEILING GRID WEIGHING > 55 LBS. MUST BE SUPPORTED BY (4) TAUT 12 GA. WIRES (SUPPORTED INDEPENDENTLY) ATTACHED TO THE BUILDING STRUCTURE ABOVE. DESIGN TO SUPPORT (4) TIMES THE UNIT WEIGHT.
 13. DESIGN & INSTALLATION: CEILING SUSPENSION SYSTEM MUST BE INSTALLED PER MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND INSTALLED PER 2009 IBC, SECTION 905.1.1.1 AND IBC SECTION 905.2.1.1. MAIN RUNNERS TO BE INSTALLED AND LEVELLED TO WITHIN (1/4\") IBC, OR (1/8\") IN (12) UBC, WITH TAUT SUPPORTING WIRE. VERTICAL HANGING WIRE MUST BE INSTALLED WITHIN (2\") OF THE MAIN RUNNER FIRE EXPANSION RELIEF.
 - 13 CONT.) CROSS RUNNERS MUST SUPPORT CROSS RUNNERS WITHIN (1/32)\"/>
 14. CONTRACTOR TO MATCH EXISTING ACOUSTICAL LAY-IN PANELS IN NEW CEILING SYSTEM.

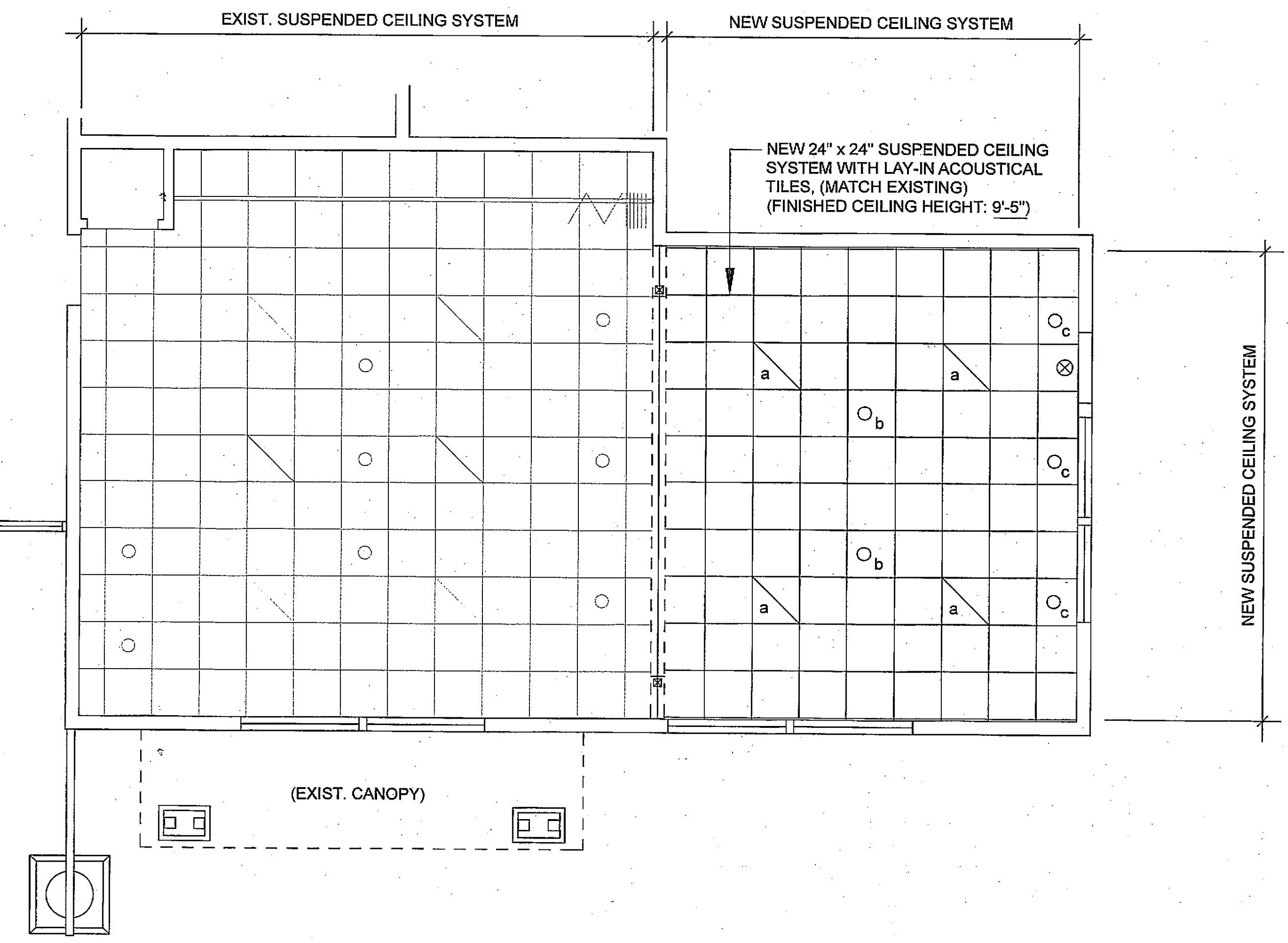


TYPICAL ACOUSTIC PANEL CEILING SYSTEM PLAN
(2' x 4' GRID SHOWN, 2' x 2' GRID SIMILAR) N.T.S.

NOTE:
CONTRACTOR TO COORDINATE WITH OWNER AS TO SELECTION OF GRID MAIN RUNNERS AND CROSS TEES TO BE USED IN NEW CEILING LAYOUT.

RECESSED LIGHT FIXTURE NOTE:
FLUORESCENT-LAMP-TYPE, STEEL HOUSING RECESSED LIGHT FIXTURES MUST BE PROTECTED ON THE TOPSIDE WITH ACOUSTICAL CEILING TILE PANEL MATERIAL HAVING A MIN. THICKNESS OF (5/8\"/>

- LIGHT FIXTURE LEGEND (INTERIOR LIGHTING)**
- a 2' x 2' LAY-IN PARABOLIC FLUORESCENT FIXTURE WITH (2) 32W T-8 U-LAMPS AND (1) ELECTRONIC BALLAST. MODEL: "COLUMBIA" #CS4=132-EB8-120V (62 WATTS)
 - o RECESSED DOWN LIGHT WITH (2) PL-13 LAMPS. MODEL: "PRESCOLITE" #CFR613-ST372-120V (31 WATTS)
 - x EXIT LIGHT WITH 90 MINUTE BATTERY BACK-UP AND SINGLE FACE. MODEL: "PRESCOLITE" #EDCI-REN-B
- NOTES:
1. CONTRACTOR TO PROVIDE ENERGY-SAVING BALLASTS WITH C.E.C. LISTINGS FOR ALL FLUORESCENT FIXTURES. (PER CA. TITLE-24)
2. CONTRACTOR TO FURNISH / INSTALL ALL FIXTURES AND LAMPS.



(ADDITIONS)
REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NOTE:
SEE LIGHTING PLAN, SHT. E-1, FOR MORE INFORMATION.

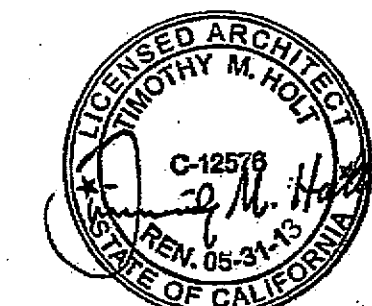
As-Built

HOLT ARCHITECTURE

70-225 Highway 111, Suite D
Rancho Mirage, CA 92270
760/328.5280

WWW.HOLTARCHITECTS.NET

CONSULTANTS



Mission Trail Community Library

New Framed Addition onto Existing
Community Room

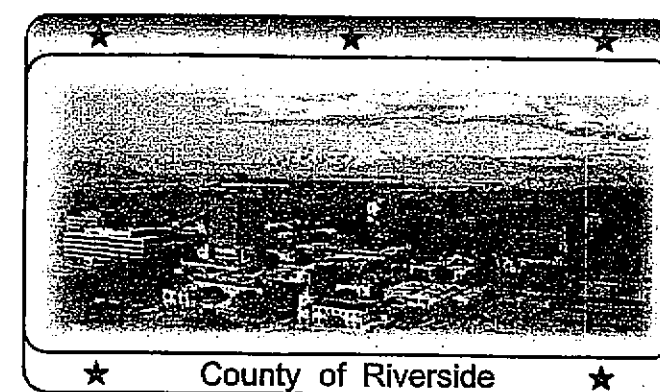
4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # APPROVED

Plan Reviewer NOV 17 2012 Date

APPROVED FOR CONSTRUCTION
Approved Plans for Construction shall not be deviated from without the approval of any violation of any of the provisions of the Federal, State or County laws and ordinances. This set of plans and specifications shall be kept on the job site until completion of the project.



MARK	DATE	DESCRIPTION
△	10/17/2012	FM08110000243
△	10/23/2012	BID SET

PROJECT NO: RVC.064
DRAWN BY: CS
CHKD BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

Structural Notes

AS-BUILT

SN

GENERAL NOTES

1. ANY/ALL STRUCTURAL PROPOSALS OFFERED WITHIN THIS SET OF DRAWINGS, TO BE REVIEWED, EXAMINED, AND SIGNED BY A STATE OF CALIFORNIA REGISTERED STRUCTURAL ENGINEER PRIOR TO APPROVAL TO COMMENCE ANY CONSTRUCTION WORK. IF REVISIONS ARE REQUIRED, PER STRUCTURAL ENGINEER REVIEW, THE COUNTY OF RIVERSIDE SHALL MAKE ANY/ALL REVISIONS, AS DIRECTED, PRIOR TO RELEASE OF DRAWINGS FOR BIDDING PURPOSES AND PRIOR TO ANY WORK BEING DONE ON THIS PROJECT.

STRUCTURAL WOOD

1. ALL STRUCTURAL WOOD TO BE DOUGLAS FIR LARCH (MAX. MOISTURE CONTENT: 19%).
2. ALL STRUCTURAL PLYWOOD TO CONTAIN A MIN. OF (8 S.F.) AND SHALL EXTEND A MIN. OF (3) BEARINGS. FACEGRAIN TO BE PERPENDICULAR TO JOISTS.
3. ALL MACHINE BOLTS (M.B.) TO BE CLASSIFIED A307.
4. ALL NAILS TO BE SINKERS.
5. LUMBER GRADES:
6x & 8x HEADERS: #1 DFL | 2x JOISTS / RAFTERS: #2 DFL | TOP PLATES: DFL STUD
4x BEAMS / HEADERS: #2 DFL | STUDS: STUD GRADE | GRADE OR BETTER
6. CONTRACTOR TO REVIEW AND APPROVE SHOP DRAWINGS FROM TRUSS MANUFACTURER PRIOR TO MANUFACTURER'S FABRICATION OF TRUSSES (COMPOSITE 'I' JOISTS - TSI JOISTS).
7. FRAMING: ALL FRAMING, BRACING, NAILING, NOTCHING, DRILLING, OR, BORING, TO BE PER MOST RECENT U.B.C.
8. SHEATHING: PROVIDE (1/8") SPACE BETWEEN ALL ROOF SHEATHING PANELS TO ALLOW FOR EXPANSION. EACH PLYWOOD SHEET TO BE A MIN. OF (8 S.F.) AND SHALL EXTEND TO A MIN. OF (3) BEARINGS WITH FACEGRAIN PERPENDICULAR TO JOISTS. SUPPORT ALL EDGES OF PLYWOOD WITH BLOCKING AND/OR CLEATING. PROVIDE DOUBLE JOISTS OR DOUBLE BLOCKING AROUND ALL OPENINGS IN ROOF.
9. FOUNDATION PLATES OR SILLS: ALL PLATES OR SILLS RESTING ON CONCRETE IN DIRECT CONTACT WITH EARTH TO PRESSURE-TREATED WOOD, MARKED BY APPROVED AGENCY.
10. ALL FRAMING CONNECTORS TO BE 'SIMPSON STRONG-TIE' OR APPROVED EQUIVALENTS. CONTRACTOR TO BE RESPONSIBLE FOR SELECTION OF APPROPRIATE SIZES AND CONFIGURATIONS OF CONNECTORS TO BE USED FOR VARIOUS FRAMING OCCURRENCES.
11. DOUBLE TOP PLATES ON WOOD STUD WALLS TO BE 2x6 WITH EQUAL WIDTHS WITH STUDS. LAP TOP PLATES A MIN. OF (48") WITH NOT LESS THAN (6) 16d NAILS WITH A MAX. SPACING OF (12") O.C. CONTRACTOR TO PROVIDE AND INSTALL ANY/ALL STEEL STRAPS AN PLATE SPLICING, AS REQ'D.
12. ALL SHEAR PANELS TO HAVE CONTINUOUS SHEATHING MATERIAL FROM ONE END TO ANOTHER AND FROM PLATE-TO-PLATE, TYPICALLY.
13. SHEATHING, LIKE: DRYWALL, PLYWOOD, OR WIRE MESH, TO BE EDGE-NAILED TO POSTS.
14. ALL LEDGERS TO BE SECURED WITH METAL STRAPS. (ST22, OR, EQUIV.)
15. HANGERS: 'U' OR 'L' FOR JOISTS / RAFTERS. 'H' FOR BEAMS OR MULTIPLE JOISTS.
16. MULTIPLE 2x MEMBERS: NAIL TOGETHER WITH 16d NAILS, STAGGERED AT (16") O.C. 3x OR LARGER BEAMS TO BE CONNECTED WITH 1/2" Ø M.B.'s AT (16") O.C. AND STAGGERED.

PRE-FABRICATED TRUSSES

1. CONTRACTOR TO REVIEW AND APPROVE SHOP DRAWINGS FROM TRUSS MANUFACTURER PRIOR TO MANUFACTURER'S FABRICATION OF TRUSSES (COMPOSITE 'I' JOISTS - TSI JOISTS). TRUSS MANUFACTURER RESPONSIBLE FOR OBTAINING COUNTY OF RIVERSIDE BUILDING DEPARTMENT APPROVALS FOR TRUSS DESIGN CALCULATIONS AND SHOP DRAWINGS, WHICH ARE TO BE SUBMITTED TO BUILDING DEPARTMENT, AS REQUIRED.
2. MANUFACTURER SHALL DESIGN TRUSSES PER CODE REQUIREMENTS AND WILL INCLUDE ALL LOADS IMPOSED INCLUDING LATERAL AND MECHANICAL EQUIPMENT LOADS.
3. NEW TRUSSES SHOWN ON THESE PLANS ARE SUGGESTED TRUSSES TO BE USED. CONTRACTOR AND/OR TRUSS MANUFACTURER WILL ULTIMATELY DETERMINE REQUIRED TRUSSES FOR THIS JOB.
4. CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR INSTALLED TRUSSES, PER MFR.'s RECOMMENDATIONS.

CONCRETE

1. ALL CONCRETE MATERIALS AND CONSTRUCTION SHALL CONFORM TO C.B.C. CHAPTER 18.
2. ALL CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE I OR II, LOW ALKALI.
3. FINE AND COURSE AGGREGATE SHALL CONFORM TO A.S.T.M. C-33 FOR STANDARD WEIGHT CONCRETE, WITH AVERAGE DRYING SHRINKAGE AT 28 DAYS OF DRYING NOT TO EXCEED 0.04%. MAX. AGGREGATE SIZE TO BE (3/4") OF MIN. CLEAR SPACING BETWEEN BARS.
4. PROPORTION CONCRETE TO PROVIDE A MIN. COMPRESSIVE STRENGTH OF 2,500 PSI @ 28 DAYS.
5. USE TYPE V CEMENT FOR CONCRETE IN CONTACT WITH SOIL.
6. ALL REINFORCING, ANCHOR BOLTS, DOWELS, HOLDDOWNS, AND OTHER INSERTS TO BE SECURED IN POSITION AND APPROVED BY THE LOCAL BUILDING OFFICIAL BEFORE ANY CONCRETE IS TO BE POURED.
7. CONCRETE TO BE CURED BY BEING KEPT CONTINUOUSLY WET FOR (10 DAYS), OR, BY AN APPROVED CURING COMPOUND.
8. MINIMUM COVER OVER NON-PRESTRESSED STEEL CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: (3")
#5 BARS OR SMALLER EXPOSED TO EARTH & WEATHER: (1 1/2")
#6 BARS OR LARGER: (2")

REINFORCING STEEL

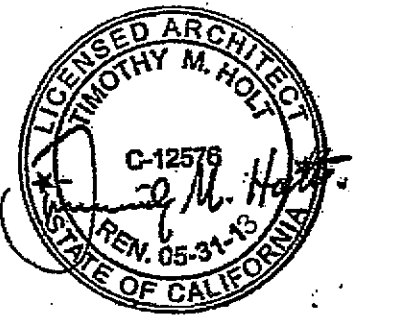
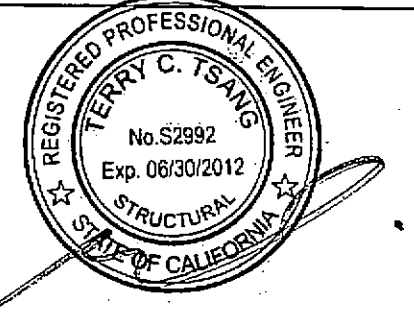
1. ALL REINFORCING STEEL BARS TO BE A.S.T.M. A-615, GRADE 40, FOR #3 & #4 BARS. GRADE 60 FOR ANY BARS LARGER THAN #4.
2. ALL WELDED REINFORCING TO BE A WELDABLE GRADE, (EXAMPLE: A.S.T.M. A-709).
3. LOW-HYDROGEN ELECTRODES TO BE USED FOR WELDED REINFORCING BARS, (E-70).
4. ALL REINFORCING TO BE SECURED, TIED, AND BRACED IN PLACE PRIOR TO POURING ANY CONCRETE.
5. MINIMUM LAP SPICE LENGTH FOR REBAR IN CONCRETE FOR ALL DEFORMED BARS EXCEPT TOP BARS:
#3 BARS WITH CONCRETE PSI OF 2,500 = 18"
#4 BARS WITH CONCRETE PSI OF 2,500 = 24"
#5 BARS WITH CONCRETE PSI OF 2,500 = 30"
MINIMUM LAP SPICE LENGTH FOR REBAR IN CONCRETE FOR DEFORMED TOP BARS:
#3 BARS WITH CONCRETE PSI OF 2,500 = 23"
#4 BARS WITH CONCRETE PSI OF 2,500 = 31"
#5 BARS WITH CONCRETE PSI OF 2,500 = 38"
(NOTE: TOP REINFORCING STEEL IS THE STEEL THAT HAS MORE THAN (12") OF CONCRETE UNDER THE STEEL)

FOUNDATION

1. SOILS REPORT OF: 02-07-00, BY SOUTHWEST, INC., INDICATES AN EXISTING ALLOWABLE BEARING PRESSURE TO BE: 1,800 PSF. CONTRACTOR TO VERIFY ALL MINIMUM FOUNDATION DEPTHS, WIDTHS, REINFORCING STEEL, AND ADDITIONAL EXPANSIVE SOIL REQUIREMENTS.
2. ALL REQUIRED FILL AND BACKFILL TO BE COMPACTED TO A MIN. OF (90%) OF MAXIMUM DENSITY OBTAINABLE BY A.S.T.M. D-1557 COMPACTION METHOD. NO FLOODING OR JETTING PERMITTED.
3. EXTERIOR FOUNDATION PLATES OR SILLS TO BE BOLTED TO THE FOUNDATION WITH A MIN. (5/8" DIA. x 12" LONG) STEEL ANCHOR BOLTS EMBEDDED AT LEAST (7") INTO THE CONCRETE. SILLS TO BE 2" x 6" T.D.F.L.
4. INTERIOR WALLS TO BE SECURED TO SLAB WITH HILTI DN, (MIN. PENETRATION: 1 1/8" INTO SLAB) AT (32" O.C.). AN ALTERNATE COULD BE: HILTI DS72 AT (48" O.C.).
5. WOOD SHEAR HOLDDOWNS:
— CONTRACTOR TO VERIFY / DETERMINE PROPER LOCATIONS FOR INSTALLATION OF ALL REQ'D. HOLDDOWNS.
— ALL SIMPSON STRONG-TIE HOLDDOWNS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND ALL REQUIREMENTS OF I.C.B.O.
— TIE IN-PLACE ALL HOLDDOWNS FOR INSPECTIONS PRIOR TO PLACING ANY CONCRETE.
6. ALL CONTINUOUS FOOTINGS TO HAVE MIN. (#4) BARS T & B.
7. IF NECESSARY, CONTRACTOR TO PROVIDE AND INSTALL AN EXTRA (#4) BAR IN FOUNDATION AS AN ELECTRICAL GROUND (DETERMINE ALL PROPER LOCATIONS FOR INSTALLATION).
8. PROVIDE AND INSTALL NON-SHRINK GROUT UNDER ALL BASE PLATES THAT HAS A COMPRESSIVE STRENGTH NOT LESS THAN THE SUPPORTING CONCRETE.
9. CONCRETE PORCHES, WALKS, AND STOOPS, TO HAVE (#3 DOWELS x 24" LONG) AT (24") O.C. AND (12") FROM CORNERS.

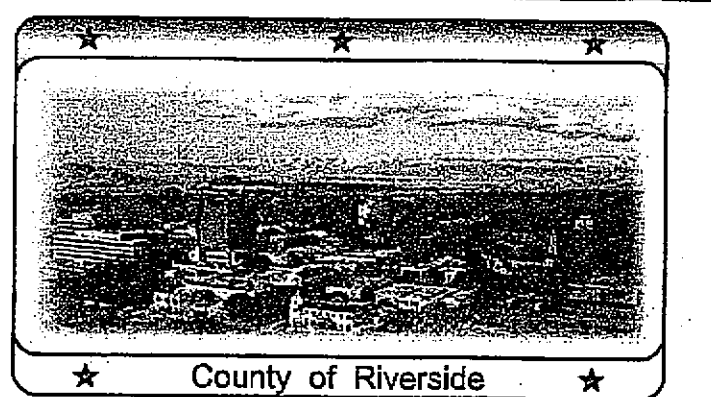
As-Built

CONSULTANTS



**Mission Trail
Community Library**
New Framed Addition onto Existing
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4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
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MARK	DATE	DESCRIPTION
1	10/11/2012	BID SET

PROJECT NO: RVC004
DRAWN BY: CS
CHKD BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

Structural Details

AS-BUILT

SD-1

1. UTILITY STRAPS: MOD. NO. CS16, BY SIMPSON, CUT TO FIT ENTIRE WALL LENGTH 2" x 6" D.F.L. BLK'G, TYP.

2. SHEAR PANEL, (EXIST. PANELS 3/8" A.P.A. RATED PLYWOOD OR O.S.B.) NEW PANELS TO BE 15/32" A.P.A. RATED STRUCTURAL NO. 1 PLYWOOD

3. 2" x 6" DOUGLAS FIR-LARCH STUDS, FULL-HEIGHT, TYP.

4. 3" x 6" DOUGLAS FIR-LARCH STUDS AT ADJOINING PANEL EDGES, TYP.

NOTE:
1. UTILITY STRAPS TO BE PLACED ON TOP OF THE PLYWOOD SHEATHING, NAIL THROUGH SHEATHING INTO BLK'G. W/(8d) NAILS, EVERY OTHER HOLE

1. EDGE NAILING (E.N.)

2. 2" x 6" STUDS AT 16" O.C., FULL-HEIGHT AND SHORTENED OVER OPENING IN WALL

3. NEW SHEAR WALL SHEATHING TO REPLACE EXIST. 3/8" THK. SHEATHING. INSTALL 15/32" A.P.A. RATED STRUCT. NO. 1 PLYWOOD SHEATHING

4. 'I'-JOIST WITH 'SIMPSON' 'MIU' HANGER

5. 2X JOIST DEPTH CONT. LEDGER CONNECTED W/(4) 16d NAILS INTO EACH STUD

6. 16d NAILS AT 16" O.C.

7. H2.5 HURRICANE TIES BY SIMPSON, AT 48" O.C., TYP.

8. BOUNDARY NAILING (B.N.)

NOTE:
CONTRACTOR TO MODIFY 3/8" SHEATHING, AS REQ'D., FOR INSTALLATION OF H2.5 HURRICANE TIES AT NEW CONSTRUCTION

1. EDGE NAILING (E.N.)

2. 2" x 6" FULL-HEIGHT STUDS AT 16" O.C.

3. H2.5 AT 48" O.C.

4. 2" x 6" BLK'G.

5. SHEAR WALL SHEATHING: 15/32" A.P.A. RATED STRUCTURAL NO. 1 PLYWOOD

6. 2" x 8" CONT. LEDGER CONNECTED W/(4) 16d NAILS INTO EACH STUD

7. BOUNDARY NAILING (B.N.)

8. ROOF BOUNDARY NAILING (B.N.) AT BLK'G.

9. 2x BLK'G., ALIGN WITH H2.5 HURRICANE TIES

10. ROOF SHEATHING (SEE PLAN)

11. 16d's AT 6" O.C. INTO BLK'G.

1. EDGE NAILING (E.N.)

2. 2" x 6" FULL-HEIGHT STUDS AT 16" O.C.

3. H2.5 AT 48" O.C.

4. 2" x 6" BLK'G.

5. SHEAR WALL SHEATHING: 15/32" A.P.A. RATED STRUCTURAL NO. 1 PLYWOOD

6. 2X JOIST DEPTH CONT. LEDGER CONNECTED W/(4) 16d NAILS INTO EACH STUD

7. BOUNDARY NAILING (B.N.)

8. ROOF TRUS 'I'-JOIST W/SIMPSON 'MIU' HANGER

9. (NOT USED)

10. ROOF SHEATHING, (SEE PLAN)

11. 16d's AT 6" O.C. INTO BLK'G.

ATTACH PER MANUFACTURER'S SPECIFICATIONS

FASTENING FINS

PLASTER FINISH

INTERSECTION GAP

PAINTED METAL SCREED

FRONT VIEW

SECTION

NOTES:
1. ALL JOINTS AT SCREED TO BE SEALED BEFORE PAINTING.
2. METAL SCREED TO BE PAINTED, (MATCH EXISTING).

11 7/8"

9 1/8"

1 3/8"

3/8"

2 5/16"

TRUS JOIST TJI® 360
TRUSSES BY WEYERHAEUSER

NOTE:
INSTALLED JOISTS ARE UNSTABLE AND MUST BE BRACED LATERALLY.

BRACING INCLUDES:
BLK'G. SHEATHING
HANGERS RIM JOISTS
RIM BOARD STRUT LINES

POST (SEE PLAN)

#4 x 16" DOWELS @ 12" O.C. EA. SIDE, DRILL & DRYPACK TO EXIST. SLAB

TOOL THE JOINT

(E) SILL P. TO REMAIN

PROVIDE 'SIMPSON' HDU HOLD DOWN COLUMN BASE, TYP. (2) LOCATIONS

SAWCUT

EXISTING CONC. SLAB ON GRADE

#4 @ 12" O.C. EA. WAY @ BOTTOM

3" CLR., TYP.

2'-0" SQ.

'SIMPSON' CBSQ COLUMN BASE

HOLDOWN SCHEDULE

'SIMPSON' HOLDOWN	ANCHOR DIA. / TYPE	de MIN.	le MIN.	CAPACITY 4X POST 6X POST
HDU2-SDS2.5	5/8" Ø SSTB20	1 3/4"	16 5/8"	3075#
HDU4-SDS2.5	5/8" Ø SSTB24	1 3/4"	20 5/8"	4565#
HDU5-SDS2.5	5/8" Ø SSTB24	1 3/4"	20 5/8"	5175#
HDU8-SDS2.5	7/8" Ø SSTB34	1 3/4"	28 7/8"	6970# 7870#

NOTES:
1. PROVIDE MIN. #4 BAR, 6'-0" LONG, 3" TO 5" FROM THE TOP OF THE FOUNDATION, CENTERED @ 'HD'. OMIT IF BARS EXIST AT THIS LOCATION.
2. DEEPEN FOOTING, AS REQUIRED, TO ACHIEVE 1e + 3" COVER.
3. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION TO WOOD MEMBER.
4. fc = 2500 PSI.
5. SEE PLANS FOR HOLDOWN TYPE.
6. IN EXISTING CONCRETE FOOTING, PROVIDE ANCHORAGE IN CONCRETE, AS FOLLOWS, USING 'SIMPSON' SET HIGH-STRENGTH EPOXY, fc = 2000 PSI, MIN. END DISTANCE = 5", ICC-ES ESR-2508.

DIAMETER OF THREADED RODS	EMBED DEPTH	MIN. EDGE DISTANCE
5/8" Ø	12"	1 3/4"
7/8" Ø	18"	1 3/4"

4X OR 6X POST, PER HOLDOWN SCHEDULE, WIDTH SAME AS STUDS

8" MIN. @ EXT. FTG. WIDEN, AS REQ'D. @ INT. FTG. TO RECEIVE HOLDOWN

STUDS SSTB TYPE ANCHOR

SLAB

FOOTING

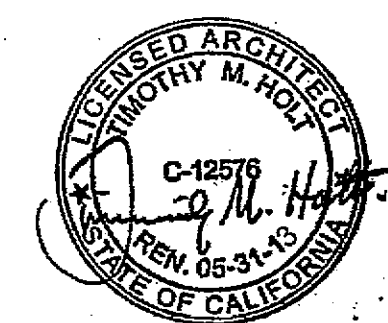
'SIMPSON' HDU HOLD DOWN

HOLDOWN DETAIL

TYP. SIMPSON HOLD DOWN ANCHOR BOLT

M:\RVC004 Mission Trail Community Library\RVC004-2 ConDocs\RVC004-2 ConDocs\Mission Trail Community Library.pln

OR 300--36232 / P1 S3 - ANGELES CONTRACTOR, INC. - PG 016 OF 024 (P1 S3) 3 SETS, TIF - 5/22/2013 - 16:21



**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

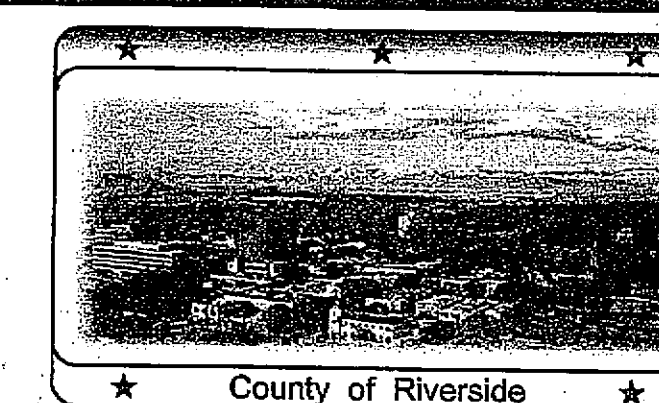
4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # Approved

Plan Review NOV 7 2012 Date

APPROVED FOR CONSTRUCTION
Approved for construction. This approval is not to be construed as an approval of any violation of any laws, regulations, or ordinances of the Federal, State or County laws and ordinances. This set of plans and specifications shall be kept on the job site until completion of the project.

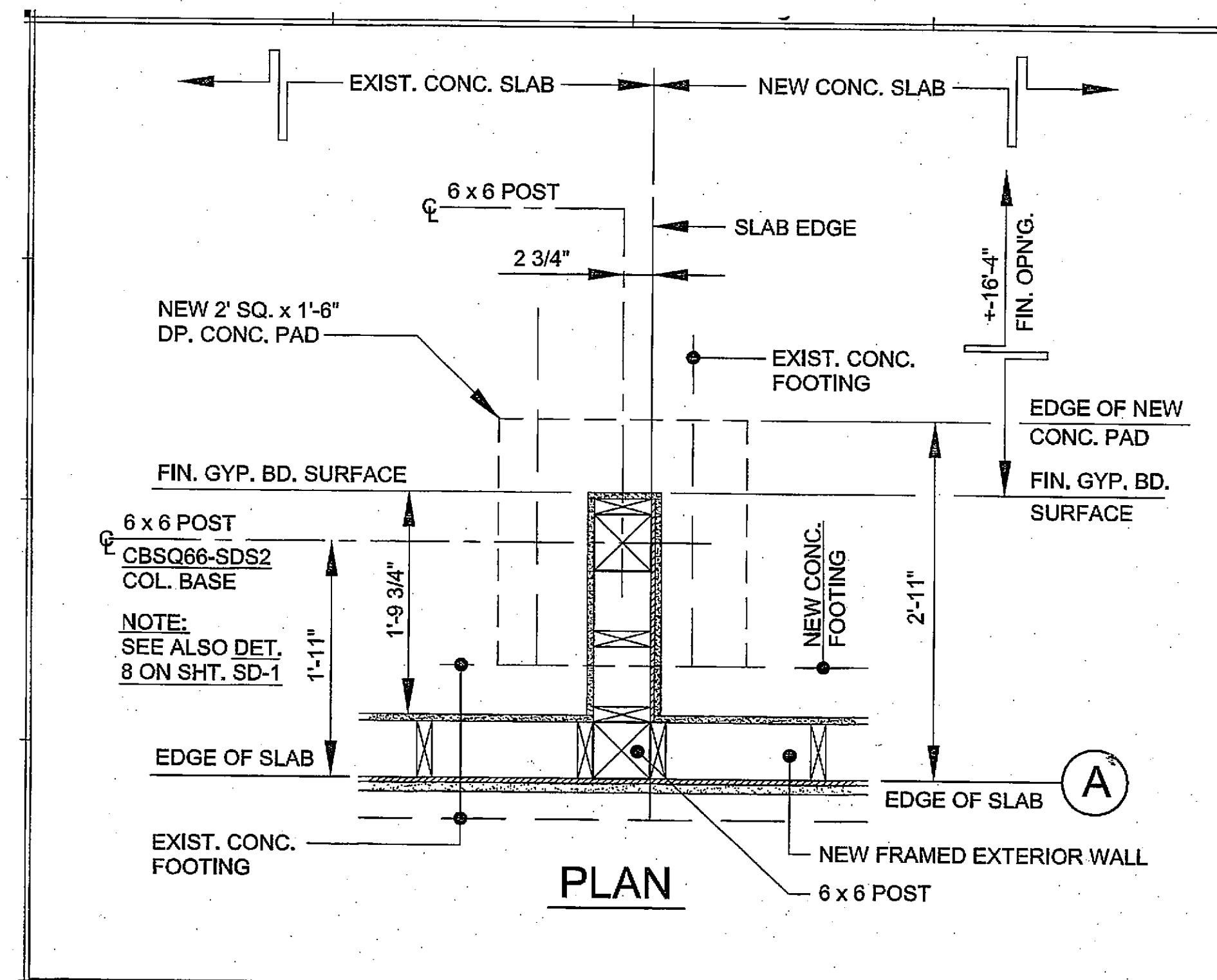


MARK	DATE	DESCRIPTION
A	10/11/2012	BID SET

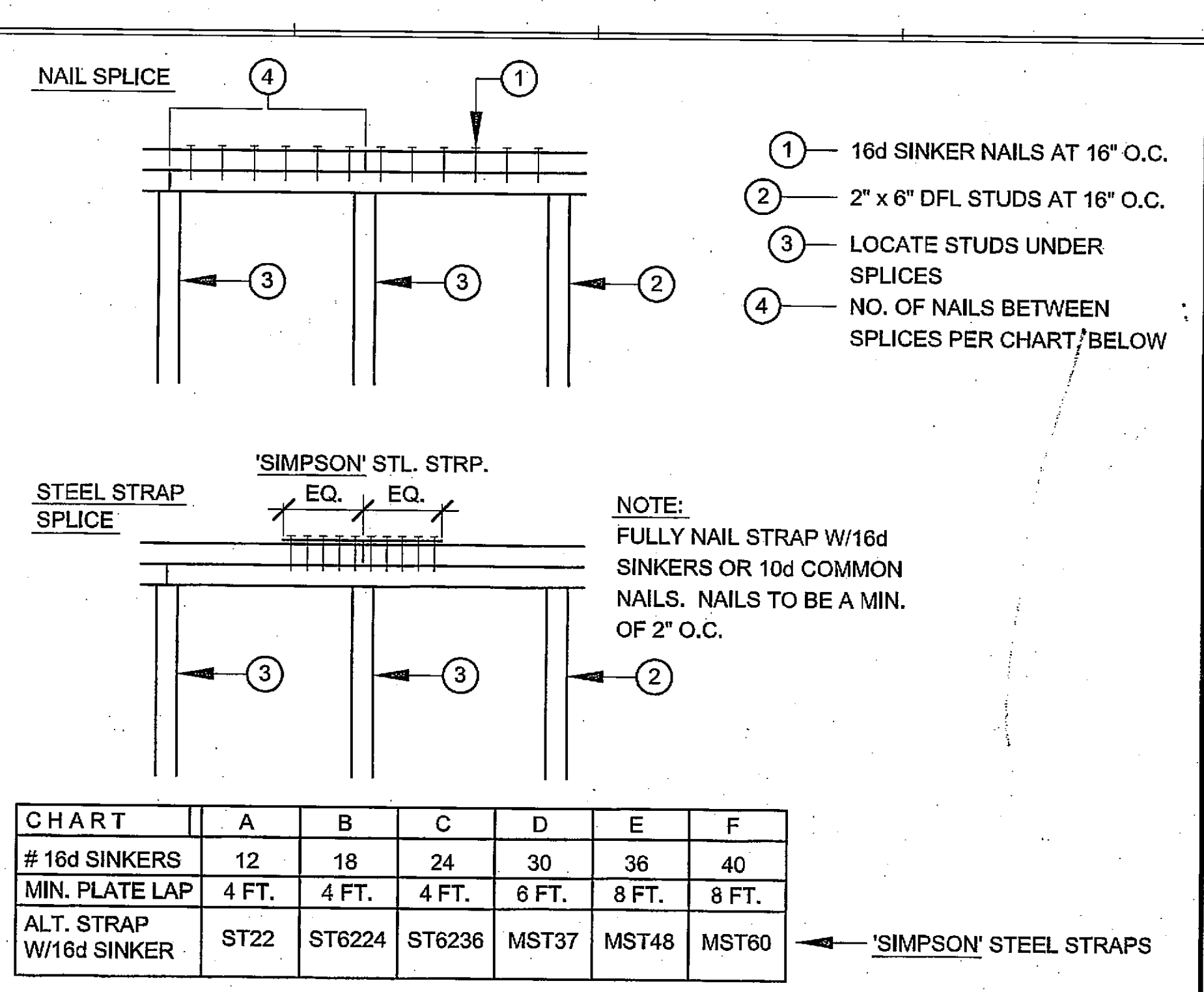
PROJECT NO: RVC.064
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE
Structural Details

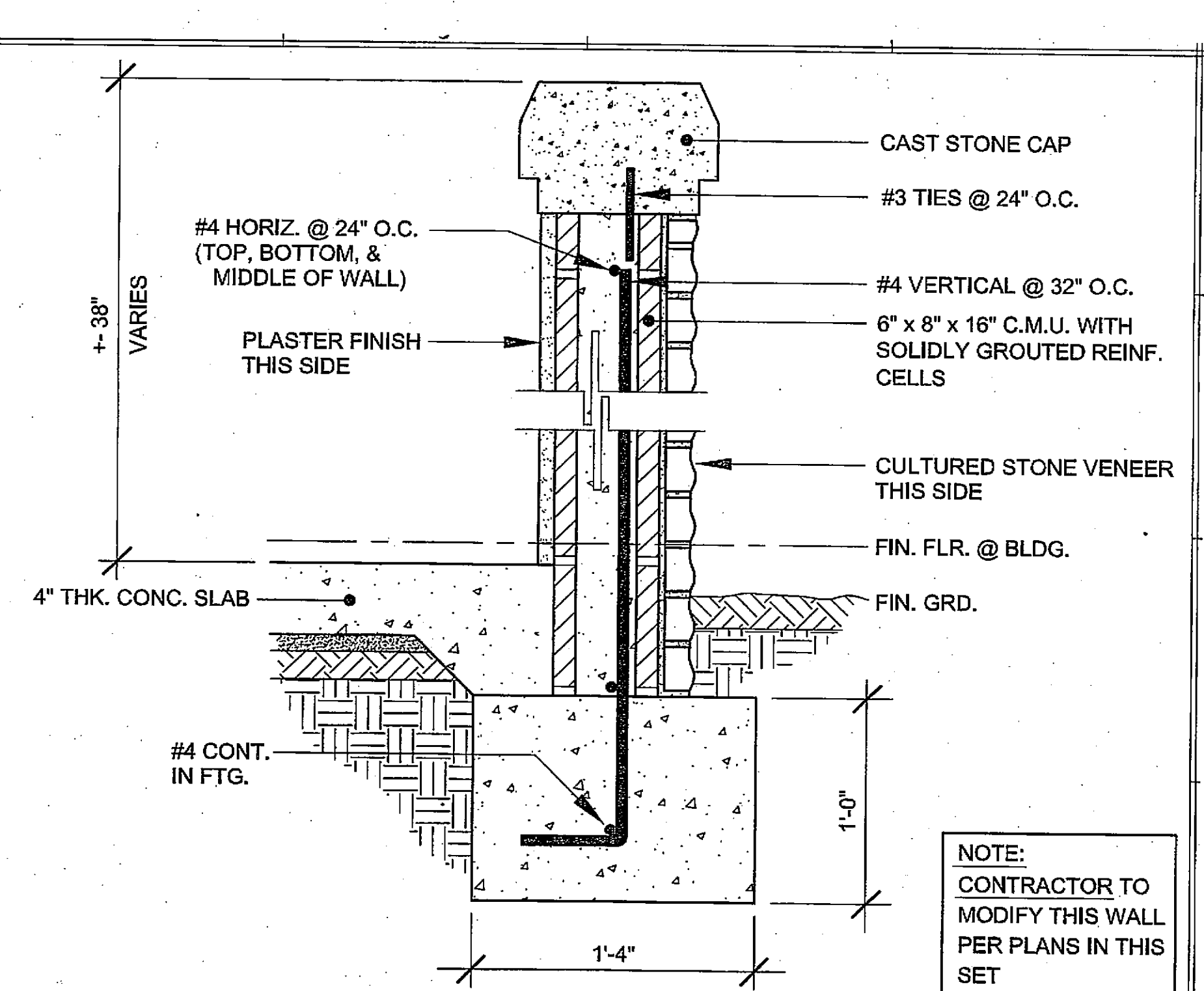
AS-BUILT



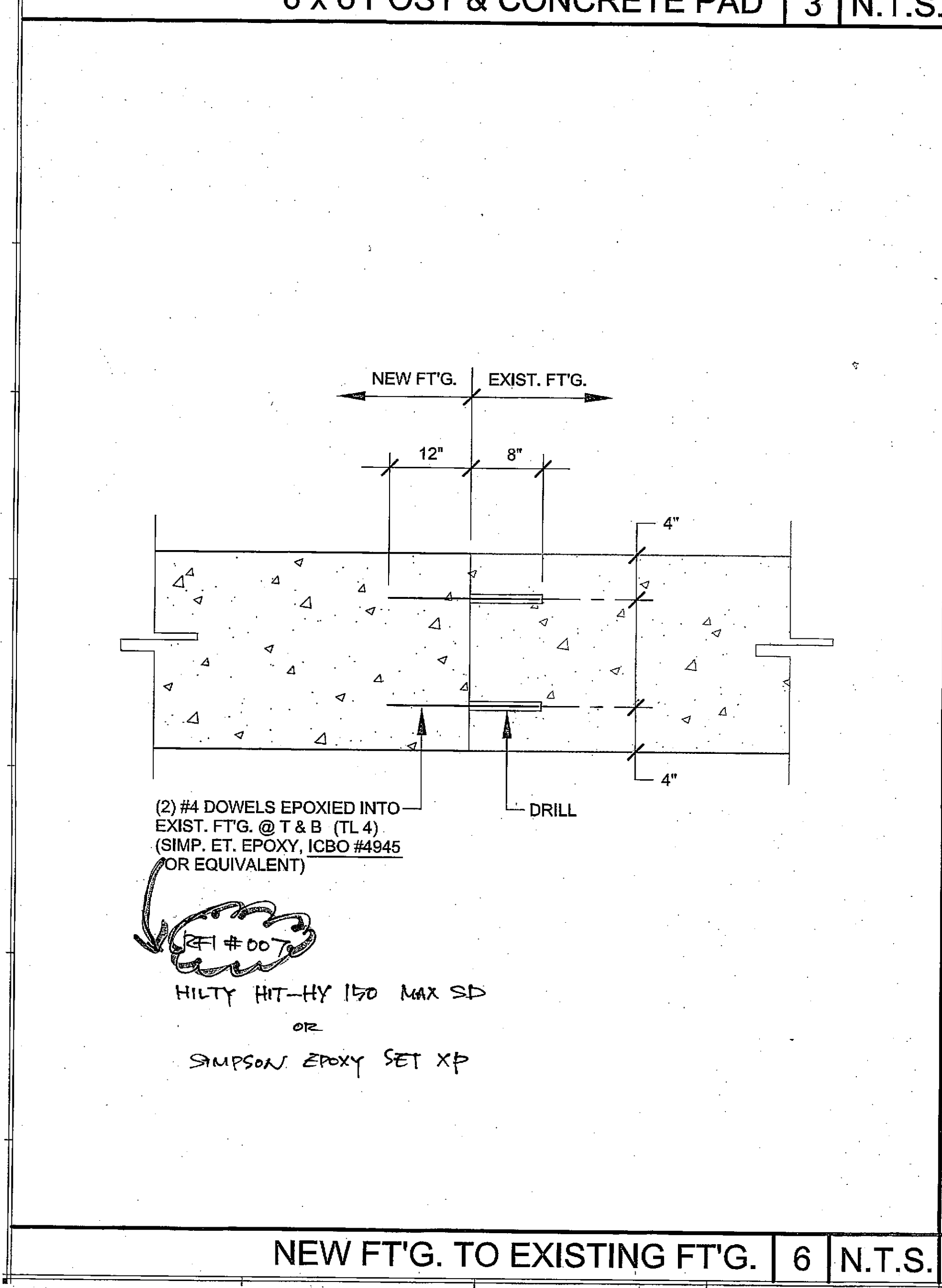
6 x 6 POST & CONCRETE PAD 3 N.T.S.



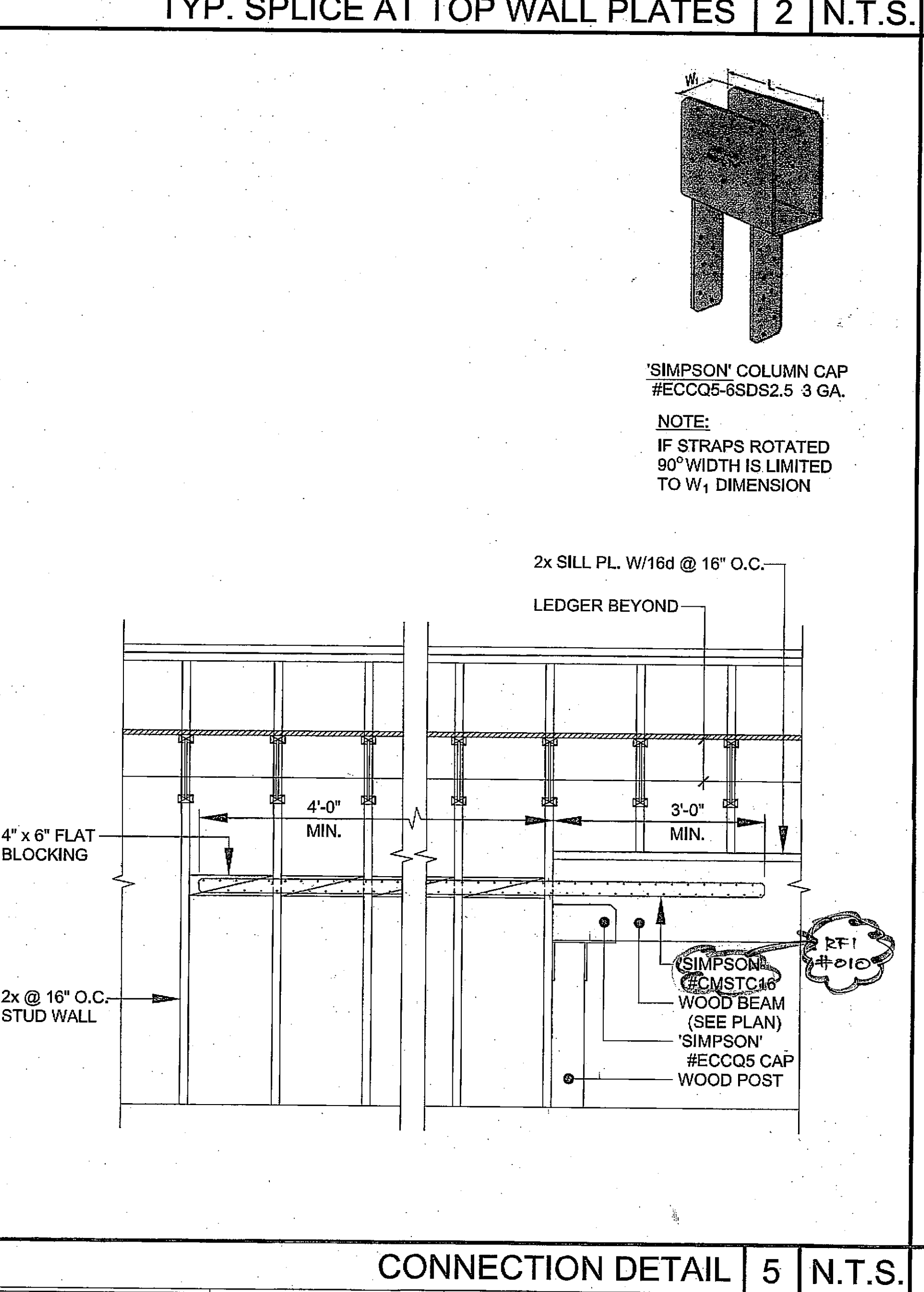
TYP. SPLICE AT TOP WALL PLATES 2 N.T.S.



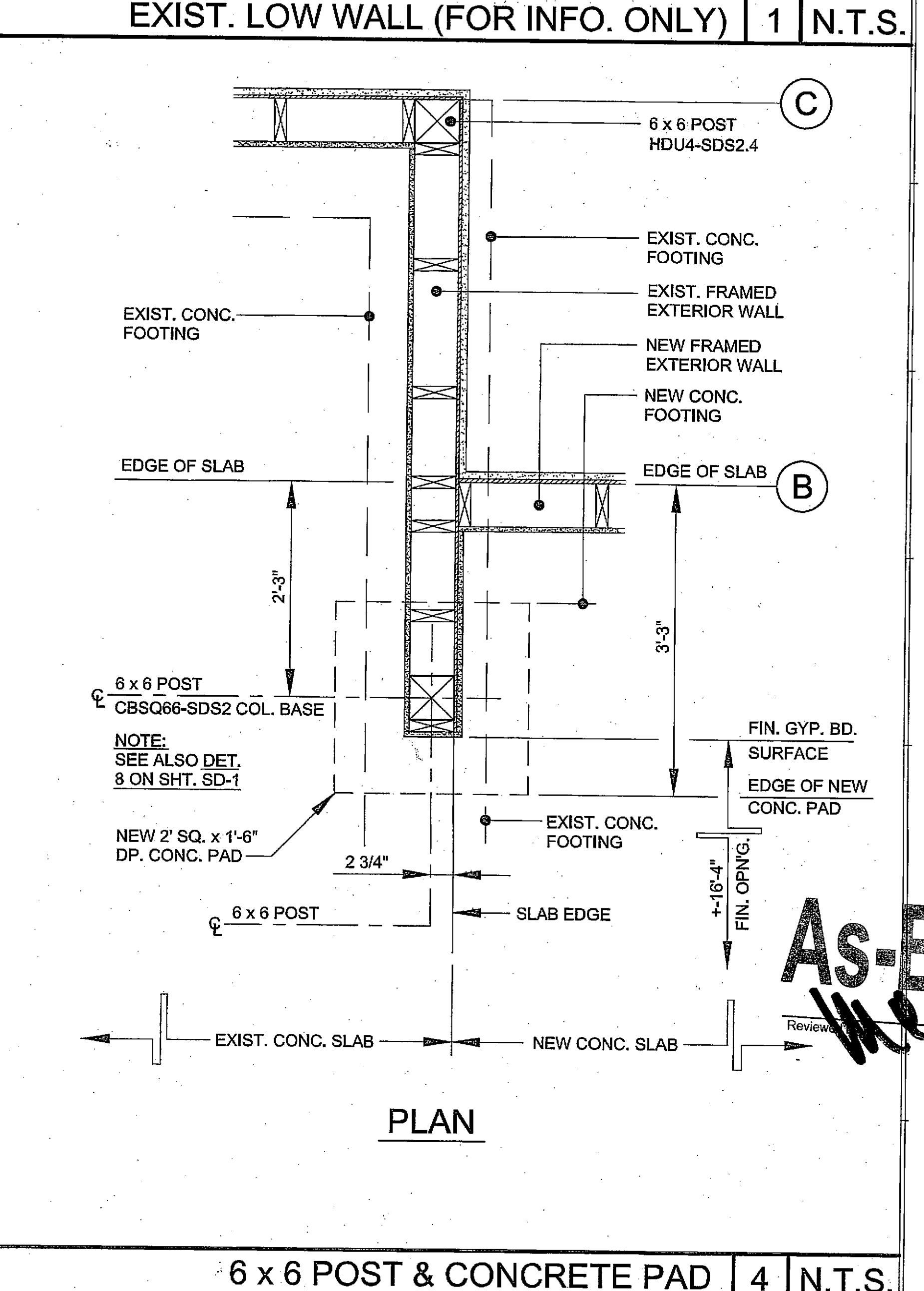
EXIST. LOW WALL (FOR INFO. ONLY) 1 N.T.S.



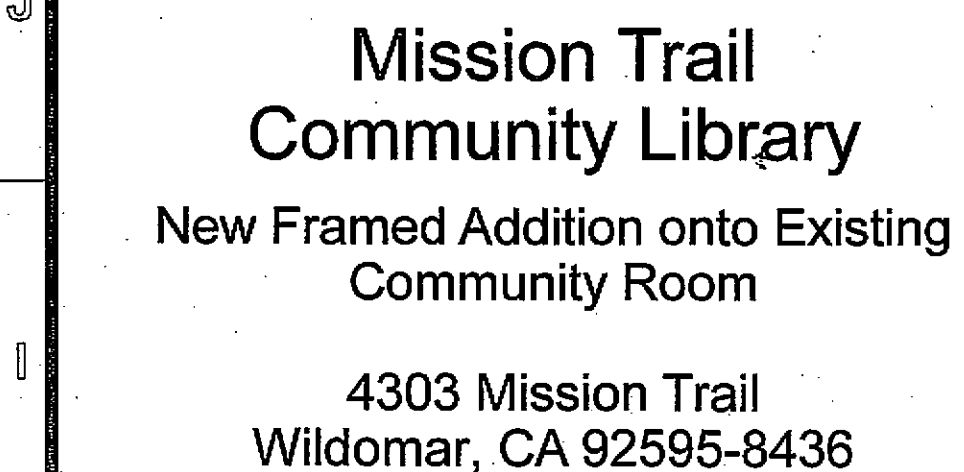
NEW FT'G. TO EXISTING FT'G. 6 N.T.S.



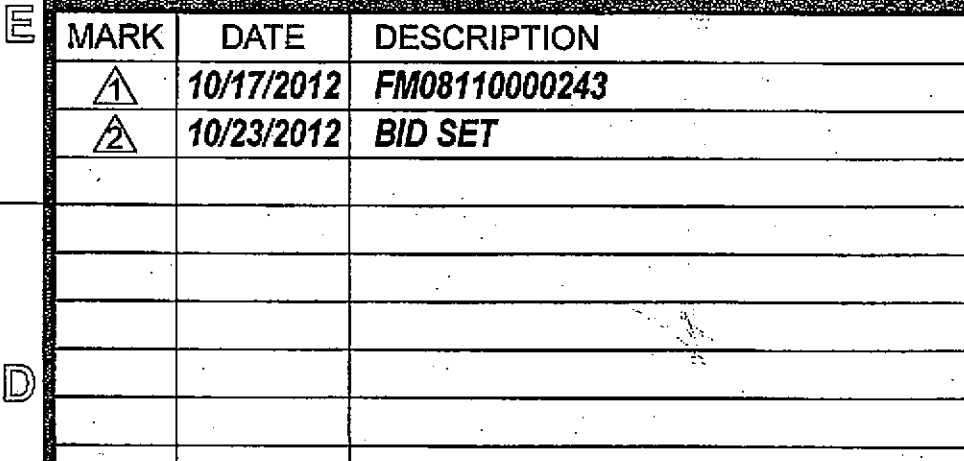
CONNECTION DETAIL 5 N.T.S.



6 x 6 POST & CONCRETE PAD 4 N.T.S.



★ County of Riverside ★



SHEET TITLE	Mechanical Plan

M-1.0

- ① REMOVE EXISTING CONDENSING UNIT FROM MECHANICAL YARD. REMOVE EXISTING POWER, DISCONNECT AND ANCHORAGE.
- ② CAP EXISTING REFRIGERANT LINES AT CONCRETE AT BOTH SIDES OF LINE SET RUN AND SEAL WEATHER TIGHT.
- ③ REMOVE EXISTING FURNACE AND COOLING COIL, DISCONNECT FROM EXISTING GAS, CONDENSATE LINES AND FLUE. RECONNECT EXISTING GAS, CONDENSATE LINES AND FLUE (PER MFG RECOMMENDATIONS) TO NEW FURNACE. REMOVE EXISTING PLATFORM AND PROVIDE NEW TO ACCOMMODATE NEW FURNACE.
- ④ EXISTING AIR DEVICE TO REMAIN. BALANCE TO AIR QUANTITIES SHOWN.
- ⑤ EXISTING SUPPLY AND RETURN MAINS TO BE REMOVED. RUN NEW MAINS AS INDICATED. CONNECT EXISTING SUPPLY AND RETURN BRANCH DUCTS, SHOWN DASHED, TO NEW MAINS.
- ⑥ EXISTING THERMOSTAT TO REMAIN. PROVIDE NEW CONTROL WIRING.
- ⑦ 12"Ø OUTSIDE AIR DUCT UP THRU ROOF TO CURB MOUNTED ROOF CAP. MAKE AND MODEL TO BE COOK PR-12 OR EQUAL. PROVIDE MANUAL VOLUME DAMPER AND BALANCE TO 450 CFM.
- ⑧ 14"Ø RELIEF AIR DUCT UP THRU ROOF TO CURB MOUNTED ROOF CAP. MAKE AND MODEL TO BE COOK PR-12 OR EQUAL. PROVIDE BAROMETRIC RELIEF DAMPER AND 18x18 RETURN GRILLE.
- ⑨ REFRIGERANT PIPING THRU ROOF TO CU-1. SEE DETAIL #5 ON SHEET M-2.0.
- ⑩ REFRIGERANT PIPING IN CEILING SPACE TO COOLING COIL. SEE DETAIL #3 ON SHEET M-2.0.
- ⑪ EXISTING GAS LINE. EXTEND AS REQUIRED AND CONNECT TO NEW FURNACE.
- ⑫ EXISTING CONDENSATE LINE. EXTEND AS REQUIRED AND CONNECT TO NEW COOLING COIL.

[F] CARRIER 58STX090116, HEATING CAP.: INPUT: 88.00 B.T.U.
OUTPUT: 71,000 B.T.U., CNPVP4821ACA COOLING COIL
115V, 175 IES., 1600 CFM @ .5" E.S.P. *SUBSTITUTED YORK* 767 58

[CU] CARRIER 24ABB348A003, COOLING CAP.: 44.89 MBH (TOTAL)
34.92 MBH (SENS.), 208-1-60, 26.2 MCA, 40 MOPC, 13.2 SEER,
11.0 EER, 200 LBS *SUBSTITUTED: YORK YORKD 18*

S-1
400 — **METAL-AIRE SERIES 9000-6P, SIZE: 12" x 12",**
MODULAR CORE WITH 4-WAY THROW

R-1
480 — **METAL-AIRE RH-6, SIZE: 18" x 18"**
LOUVERED FACE GRILLE

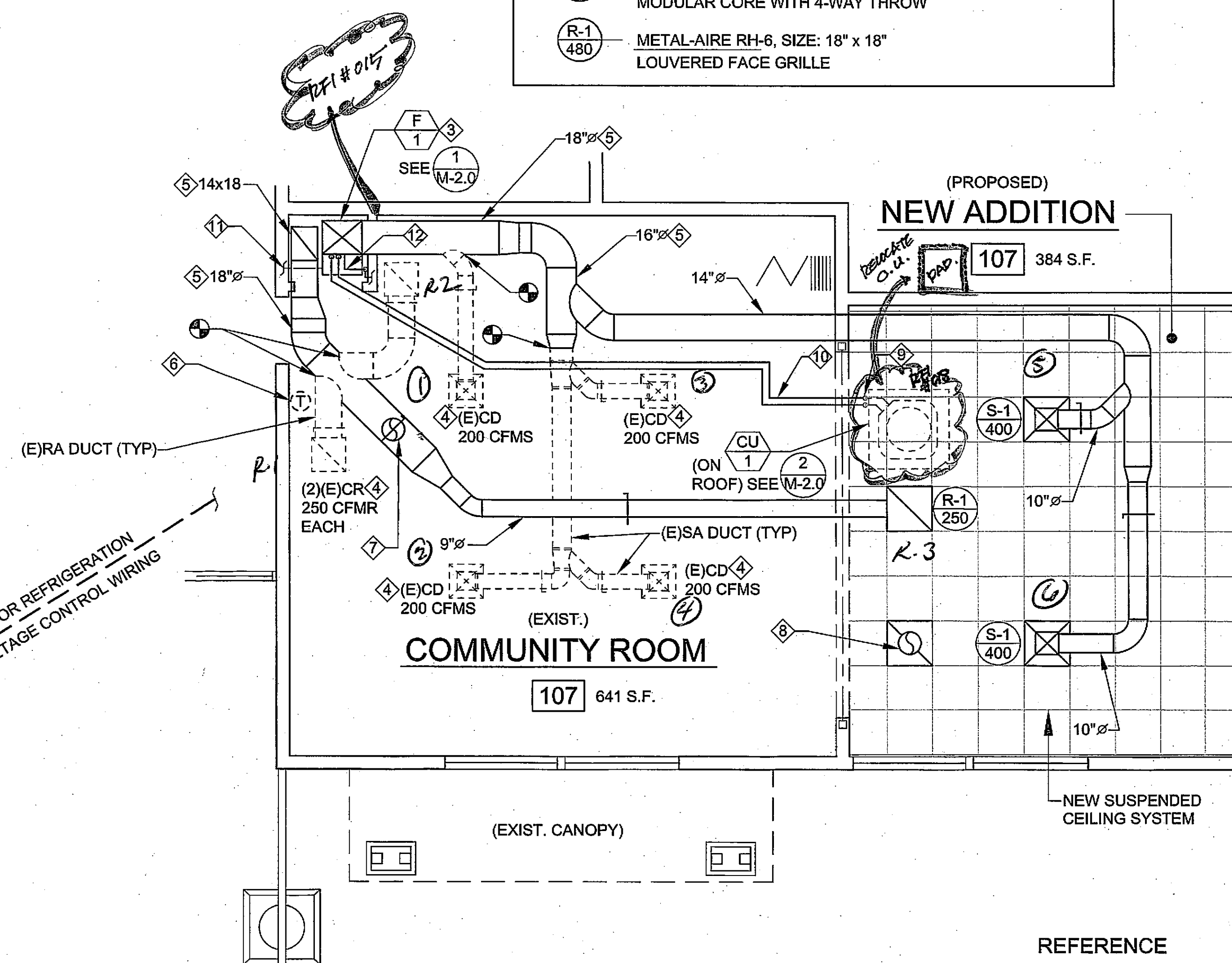
	SQUARE/ROUND DUCT
	EXISTING DUCT OR GRILLE
	DUCT/PIPE UP OR DOWN
	MANUAL VOLUME DAMPER
	CR - CEILING REGISTER (RETURN)
	CD - CEILING DIFFUSER (SUPPLY)
	DUCT UP THRU ROOF
	ROUND (DIAMETER)
CFM	CUBIC FEET OF AIR PER MINUTE
SA	SUPPLY AIR
RA	RETURN AIR
TYP	TYPICAL
	EQUIPMENT NUMBER
	DETAIL CALL OUT
	THERMOSTAT
(E)	EXISTING
	POINT OF CONNECTION
	KEY NOTE
E.S.P.	EXTERNAL STATIC PRESSURE
	GRILLE TYPE, NO.
	C.F.M.

 Sect. 4216 / 4217 of the Co. Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call

CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

1. ALL NEW EQUIPMENT INSTALLED TO EXIST. H.V.A.C. SYSTEM, TO BE SUPPORTED AND ANCHORED TO RESIST THE FORCES THAT ARE NOTED IN THE C.B.C., CHAPT. 16A. THE ANCHORAGE SHALL BE APPROVED BY THE COUNTY OF RIVERSIDE INSPECTOR OF RECORD.
2. CONTRACTOR TO PROVIDE AND INSTALL ALL SUPPORT, ANCHORS, AND BRACING FOR ALL DUCTWORK AND EQUIPMENT IN STRICT CONFORMANCE WITH APPROPRIATE SEISMIC RESTRAINT CODES AND ORDINANCES.
3. MANDATORY ACCEPTANCE TESTING SHALL BE PER TITLE 24, PART 6, SECTION 125.
4. MIN. DUCT INSULATION R-VALUE: 8.0.
5. USE 2" WIDE X 28 GA. STEEL HANGERS FOR SUPPORT OF DUCTWORK. SUPPORTS TO BE AT OR NEAR MID-LENGTH.
6. A NEBB OR AABC CERTIFIED INDEPENDENT AGENCY SHALL PERFORM A SYSTEM BALANCE CHECK TO CURRENT SPECIFICATIONS.
7. DO NOT CUT, DRILL, OR NOTCH STRUCTURAL TRUSS MEMBERS.
8. INSTALLATION AND MATERIALS TO CONFORM TO THE 2010 CALIFORNIA MECHANICAL CODE (C.M.C.) REQUIREMENTS & TITLE 24.
9. CONTRACTOR TO PROVIDE "AS-BUILT" DRAWING TO THE OWNER DEPICTING H.V.A.C. SYSTEM AS INSTALLED AND APPROVED FOR USE.

1. THERMOSTAT TEMPERATURES: TEMPERATURE RANGE TO BE (55 DEG. F.) TO (85 DEG. F.). HEATING & COOLING TO OPERATE IN SEQUENCE. CONTROL TO BE ADJUSTABLE TO PROVIDE A RANGE OF (10 DEG. F.) BETWEEN FULL HEATING AND FULL COOLING AND HAVE THE CAPABILITY OF TERMINATING AT A TEMPERATURE NO MORE THAN (70 DEG. F.) AND COOLING AT A TEMPERATURE OF NOT LESS THAN (78 DEG. F.) [AS EXISTING].
2. EACH H.V.A.C. SYSTEM SHALL HAVE A DEVICE TO SPLIT-OFF OR SET-BACK EACH SYSTEM DURING "OFF HOURS". THERMOSTAT TO "ON" 1-HOUR PRIOR TO BUILDING OCCUPANCY.
3. EACH H.V.A.C. SYSTEM MUST BE CAPABLE OF SUPPLYING MINIMUM LEVELS OF OUTDOOR AIR PER A.S.H.R.A.E. STANDARDS.
4. INSULATE ALL PIPING PER CMC AND CEC REQUIREMENTS.
5. PROVIDE MASTIC OR TAPE AT ALL TRANSVERSE JOINTS.
6. DUCT INSTALLATION TO BE PER CURRENT APPLICABLE CODES AND ORDINANCES.
7. ALL HEATING & COOLING EQUIPMENT TO BE C.E.C. LISTED.
8. ALL WORK SHALL CONFORM TO LOCAL CODES / ORDINANCES AND 2010 EDITION OF THE C.B.C., C.M.C., AND C.P.C.
9. FLEXIBLE DUCTWORK MAY BE USED THE LAST (5 FT.) TO CONNECT REGISTERS AND GRILLES.
10. DUCTWORK AND PIPING SHALL HAVE SEISMIC RESTRAINTS IN ACCORDANCE WITH S.M.A.C.N.A. GUIDELINES. [Sheet Metal and A.C. National Association]
11. IF ASBESTOS OR ANY HAZARDOUS WASTE IS ENCOUNTERED, NOTIFY THE OWNER IMMEDIATELY. DO NOT DISTURB, HANDLE, OR ATTEMPT TO REMOVE THE MATERIAL.
12. CONTRACTOR TO SUBMIT ANY/ALL REQUIRED SHOP DRAWINGS, MATERIALS, AND EQUIPMENT SPECIFICATIONS OF ITEMS CONTRACTOR PROPOSES TO PROVIDE AND INSTALL FOR A COMPLETE AND OPERATING H.V.A.C. SYSTEM PER ALL APPLICABLE CODES AND LOCAL ORDINANCES.
13. ALL MATERIALS AND EQUIPMENT PROVIDED AND/OR INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED FOR (1) YEAR FROM THE FINAL ACCEPTANCE DATE BY THE OWNER. ANY MATERIALS THAT ARE DEFECTIVE SHALL BE REPLACED AND ANY INFERIOR WORKMANSHIP TO BE CORRECTED TO THE FINAL ACCEPTANCE OF THE OWNER.



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

REFERENCE

As-Built

SHEET TITLE

Details

AS-BUILD

M-2.0



NTS



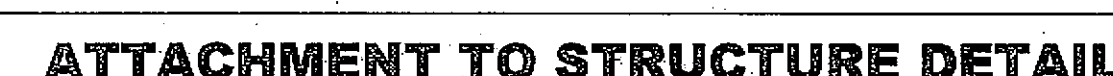
NTS 6



NTS 7



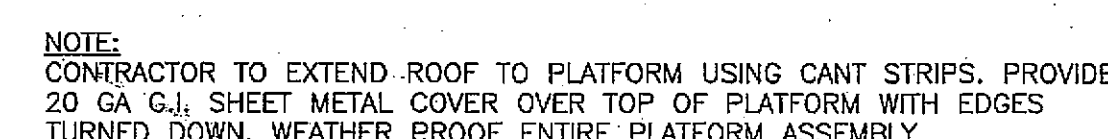
NTS 3



NTS	4
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NTS	1
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CONDENSING UNIT PLATFORM DETAIL

NTS	2
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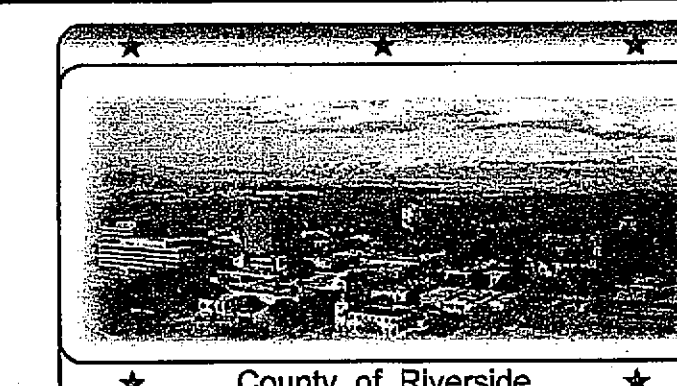
4:\RVC\1064 Mission Trail Community Library\RVC063-2 ConDocs\RVC063-Pl.N.cd\Mission Trail Community Library.pln

**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction
Project # 2012-07-2012

Plant/Specimen No. _____ Date _____
APPROVED FOR _____ CONSTRUCTION
Approval of these plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of the Federal, State or County laws and ordinances. This set of plans and specifications shall be kept on the job site until completion of the project.

[illegible]

PROJECT NO:	RVC.064
DRAWN BY:	CS
CHK'D BY:	CS
ORIGINAL DATE:	10/11/2012

	SHEET TITLE
	Title 24

S-BUILT

M-3.0

[illegible][illegible][illegible][illegible][illegible][illegible]

UNITED STATES OF AMERICA		UNITED STATES OF AMERICA	
FEDERAL BUREAU OF INVESTIGATION		FEDERAL BUREAU OF INVESTIGATION	
WASHINGTON, D. C. 20535		WASHINGTON, D. C. 20535	
1. Name of the person or organization:	John Edgar Hoover	2. Title of the person or organization:	Director
3. Address of the person or organization:	440 Michigan Avenue, N.W.	4. City and State:	Washington, D. C.
5. Date of the report:	10-10-60	6. Name of the person or organization:	John Edgar Hoover
7. Title of the person or organization:	Director	8. City and State:	Washington, D. C.
9. Date of the report:	10-10-60	10. Name of the person or organization:	John Edgar Hoover
11. Title of the person or organization:	Director	12. City and State:	Washington, D. C.
13. Date of the report:	10-10-60	14. Name of the person or organization:	John Edgar Hoover
15. Title of the person or organization:	Director	16. City and State:	Washington, D. C.
17. Date of the report:	10-10-60	18. Name of the person or organization:	John Edgar Hoover
19. Title of the person or organization:	Director	20. City and State:	Washington, D. C.
21. Date of the report:	10-10-60	22. Name of the person or organization:	John Edgar Hoover
23. Title of the person or organization:	Director	24. City and State:	Washington, D. C.
25. Date of the report:	10-10-60	26. Name of the person or organization:	John Edgar Hoover
27. Title of the person or organization:	Director	28. City and State:	Washington, D. C.
29. Date of the report:	10-10-60	30. Name of the person or organization:	John Edgar Hoover
31. Title of the person or organization:	Director	32. City and State:	Washington, D. C.
33. Date of the report:	10-10-60	34. Name of the person or organization:	John Edgar Hoover
35. Title of the person or organization:	Director	36. City and State:	Washington, D. C.
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77. Date of the report:	10-10-60	78. Name of the person or organization:	John Edgar Hoover
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81. Date of the report:	10-10-60	82. Name of the person or organization:	John Edgar Hoover
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93. Date of the report:	10-10-60	94. Name of the person or organization:	John Edgar Hoover
95. Title of the person or organization:	Director	96. City and State:	Washington, D. C.
97. Date of the report:	10-10-60	98. Name of the person or organization:	John Edgar Hoover
99. Title of the person or organization:	Director	100. City and State:	Washington, D. C.

CERTIFICATE OF COMPLIANCE and Head Inspection on BREWERY BECKLS	MPSP
DATE	BY
INSPECTOR'S SIGNATURE	BY
COMPANY	BY

[illegible]

METRICAS - MANEJO DE MATERIALES	MANEJO DE MATERIALES	MFC
1. Objetivo	2. Alcance	3. Definiciones
4. Procedimiento	5. Resultados	6. Conclusiones
7. Referencias	8. Adjuntos	9. Observaciones
10. Fecha	11. Nombre	12. Apellido
13. Correo	14. Telefono	15. Edad
16. Sexo	17. Estado Civil	18. Ocupacion
19. Formacion	20. Experiencia	21. Formacion
22. Experiencia	23. Formacion	24. Experiencia
25. Formacion	26. Experiencia	27. Formacion
28. Experiencia	29. Formacion	30. Experiencia
31. Formacion	32. Experiencia	33. Formacion
34. Experiencia	35. Formacion	36. Experiencia
37. Formacion	38. Experiencia	39. Formacion
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73. Formacion	74. Experiencia	75. Formacion
76. Experiencia	77. Formacion	78. Experiencia
79. Formacion	80. Experiencia	81. Formacion
82. Experiencia	83. Formacion	84. Experiencia
85. Formacion	86. Experiencia	87. Formacion
88. Experiencia	89. Formacion	90. Experiencia
91. Formacion	92. Experiencia	93. Formacion
94. <		

As-Built

We

SPECIFICATIONS:

GENERAL

1. SCOPE

THE DRAWINGS AND THESE SPECIFICATIONS DESCRIBE THE SYSTEMS. FURNISH ALL MATERIALS AND DO ALL WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE. FURNISH AND INSTALL ALL NEW EQUIPMENT AS REQUIRED TO PRODUCE A COMPLETE OPERATING SYSTEM.

2. REGULATIONS AND CODES

PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, (NEC-2010) CALIFORNIA ADMINISTRATIVE CODE TITLE 24, PART 1, NATIONAL FIRE ALARM CODE (NFPA 72) (CALIFORNIA AMENDED), CALIFORNIA ELECTRICAL CODE (CEC-2010) & OTHER CODES AND REGULATIONS HAVING THE JURISDICTION. INSTALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY AND THE MANUFACTURER'S RECOMMENDATIONS.

3. SERVICE CONTINUITY

UNINTERRUPTED SERVICES SHALL BE MAINTAINED TO ALL PARTS OF THE BUILDING OTHER THAN WORK AREAS. SCHEDULE SHUTDOWNS WITH OWNER TO MAKE ALTERATIONS AND/OR ADDITIONS TO MAIN SWITCHGEAR, ASSEMBLIES, FEEDERS, PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. REQUESTS FOR SHUTDOWN SHALL BE MADE AT LEAST 72 HOURS IN ADVANCE, TO THE OWNER AT WHICH TIME THE OWNER SHALL SCHEDULE THE EXACT TIME AND DATE. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.

MATERIAL AND INSTALLATION

1. CONDUITS

ALL MATERIALS SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORY (U.L.). CONDUITS SHALL BE EMT, RIGID OR FLEXIBLE STEEL TYPE. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT. CONCEAL ALL CONDUITS. EMT COUPLINGS AND CONNECTORS SHALL BE U.L. LISTED COMPRESSION TYPE WITH INSULATED THROAT.

2. RECEPTACLES

PROVIDE 20 AMP NEMA RATED RECEPTACLES, MATCH EXISTING. MATCH EXISTING COVER PLATES. MARK RECEPTACLES THE VERTICAL POSITION WITH THE GROUND PIN UP. INDICATE ON PLATES AS TO WHICH CIRCUIT AND PANEL IS USED.

3. WIRE AND CABLE IDENTIFICATION

IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVERCURRENT DEVICE, LOAD END, AND IN PULLBOXES. IDENTIFY BRANCH CIRCUITS WITH CORRESPONDING CIRCUIT DESIGNATION AT THE OVERCURRENT DEVICE, AT ALL SPLICES, AND IN JUNCTION BOXES. MARK CIRCUIT DESIGNATION ON ALL JUNCTION BOX COVERS. CIRCUIT DESIGNATION MEANS PANEL DESIGNATION AND CIRCUIT NUMBER I.E. 2A, 17.

4. DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER'S TRADE NAME, AND THE DATE MANUFACTURED (MUST BE MANUFACTURED WITHIN 6 MONTHS OF JOB).

DEMOLITION

1. REMOVE ALL UNUSED CONDUITS AND WIRING, SWITCHES, RECEPTACLES, LIGHT FIXTURES, ETC. WHERE CEILINGS, CEILING TILES, OR WALLS ARE BEING DEMOLISHED EXCEPT AS FOLLOWS: WHERE WALLS AND CEILINGS ARE TO REMAIN, MAINTAIN EXISTING CONDUIT, WIRING, AND BOXES SERVING ALL ELECTRICAL EQUIPMENT, OUTLETS, AND SWITCHES IN THOSE AREAS. REMOVE ALL POWER WIRING BACK TO ITS OVERCURRENT DEVICE AND INSTALL BLANK COVERS ON ALL BOXES. COORDINATE ALL DEMOLITION WITH THE NEW REQUIREMENTS TO ASSURE THAT EXISTING EQUIPMENT AND WIRING, ETC. THAT IS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM IS NOT REMOVED.

2. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY THE OWNER. NEATLY PILE AND STONE THEM AND PROTECT FROM DAMAGE. THE EQUIPMENT AND MATERIALS NOT CONSIDERED SALVAGEABLE AND ARE THEREFORE CONSIDERED SCRAP, SHALL BE REMOVED FROM PREMISES AND PROPERLY DISPOSED OF BY LAW.

EXECUTION

1. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES, AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINED SPACE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.

2. EQUIPMENT, MATERIALS, AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY AT NO COST TO OWNER.

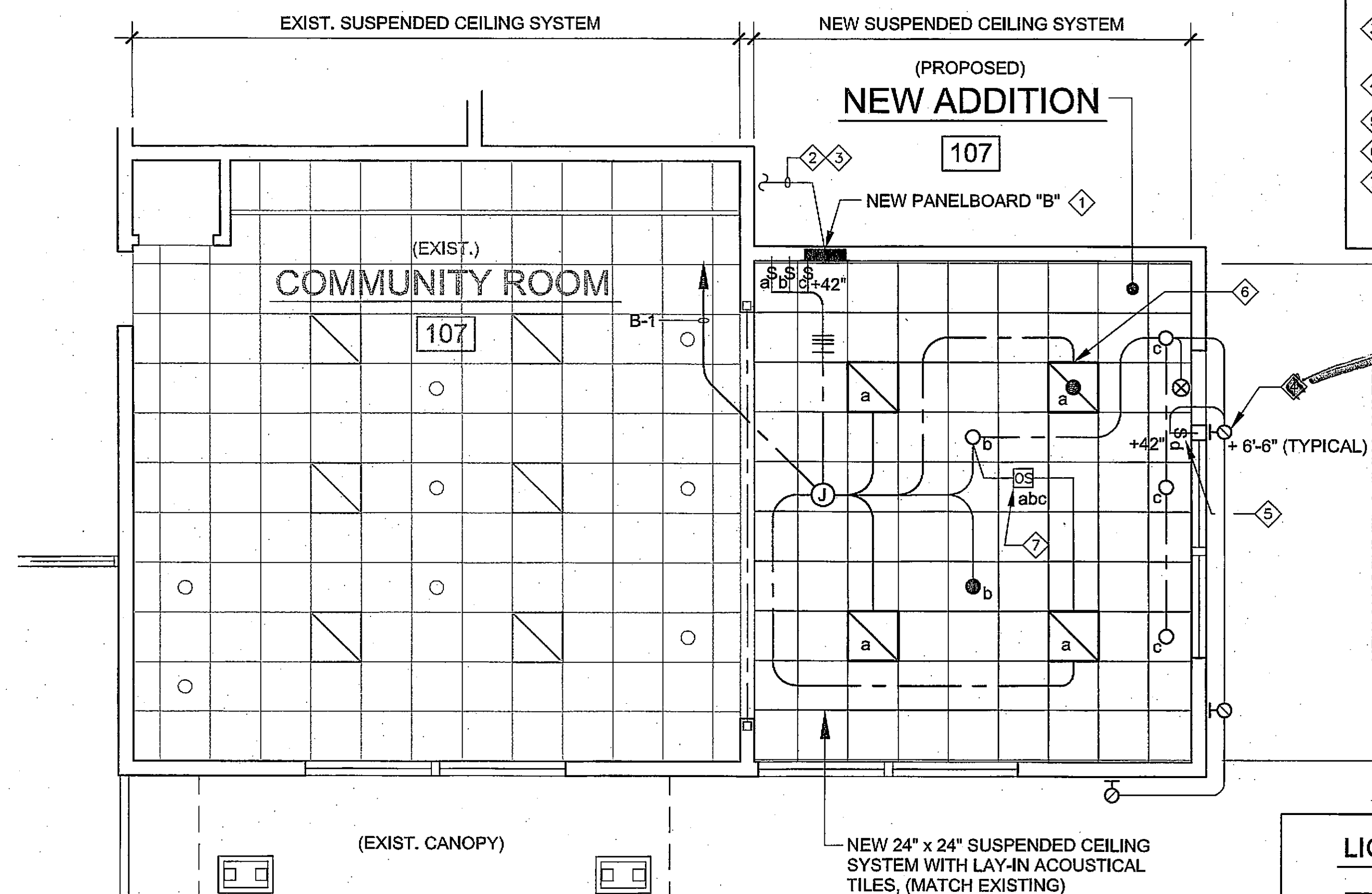
3. DO ALL CUTTING AND PATCHING OF FLOORS, WALLS, CEILINGS, ETC. TO MATCH EXISTING CONDITIONS. SCHEDULE CUTTING AND PATCHING OF FLOORS WITH OWNER.

4. PAINT ANY NEW, EXPOSED ELECTRICAL, RACEWAYS, CABINETS, ENCLOSURES, AND FITTINGS TO MATCH ADJACENT SURFACES IN FINISHED AREAS.

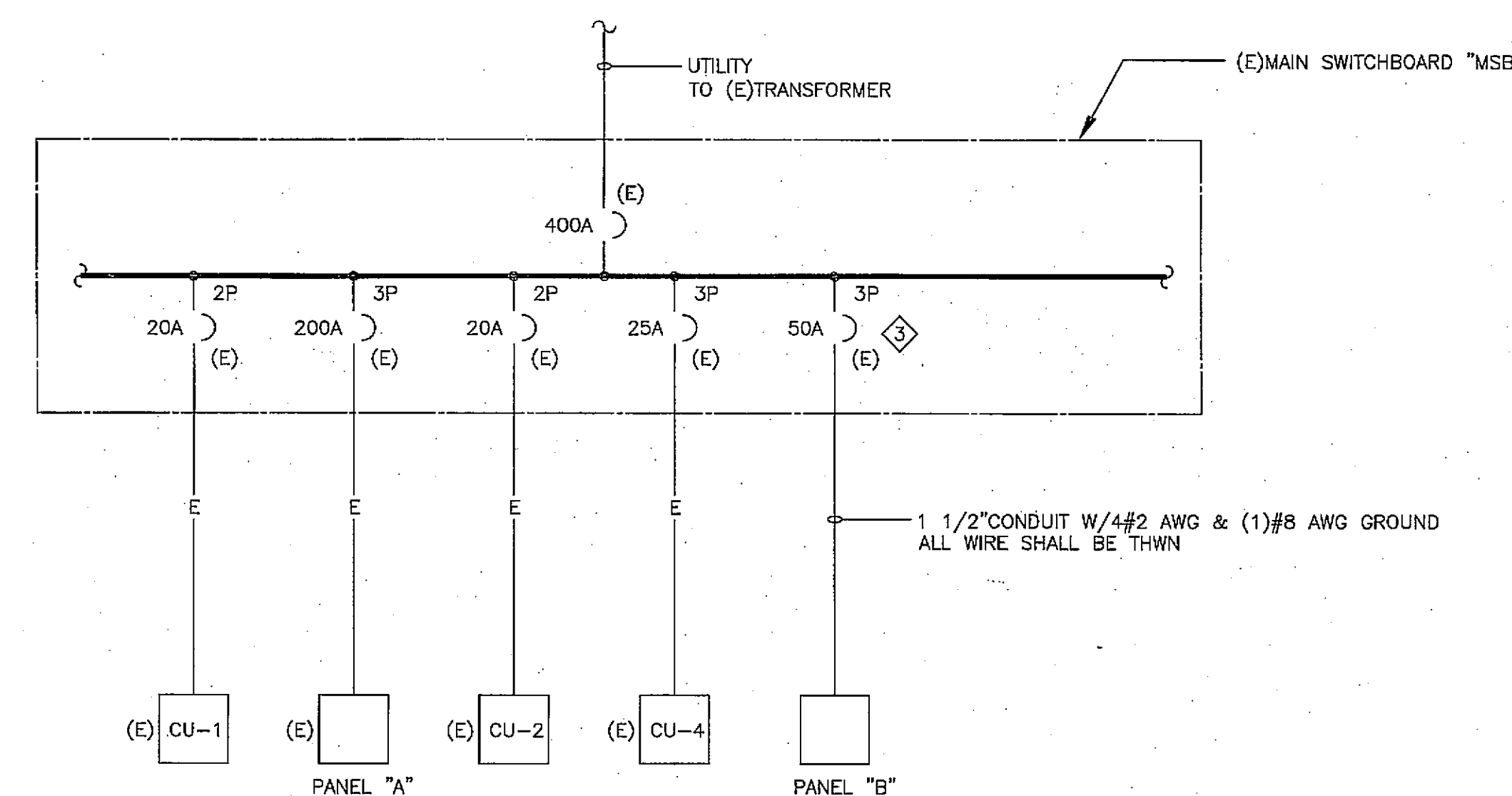
5. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC. TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURES FOR ALL EQUIPMENT PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.

GENERAL NOTES:

- ALL MATERIAL AND EQUIPMENT SHALL BE NEW AND BEAR THE U.L. LABEL.
- INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- EXCEPT FOR CONTROL WIRING, ALL WIRING SHALL BE COPPER, U.L. LISTED, RATED FOR 600 VOLTS, TYPE THHN/THWN INSULATION, AND MIN. #12 SIZE.
- TELEPHONE SERVICE CONNECTION IS TO BE PER TELEPHONE CO. VERIFY ACTUAL SERVICE LOCATION AND CONDUIT SIZES.
- PRIOR TO SUBMITTING BID, CONTRACTOR TO BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS IN THE BUILDING. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE SUCH A STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE.
- COORDINATE ALL WORK WITH TRADES AND OWNER. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS RECD. WHETHER SHOWN ON THIS PLAN OR NOT.
- CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS TO OWNER WITH ALL CHANGES NOTED, AT THE COMPLETION OF THE PROJECT, SIGNED & DATED.
- IDENTIFY FEEDERS WITH CORRESPONDING CIRCUIT DESIGNATION AT THE OVERCURRENT DEVICE, LOAD END, AND IN PULLBOXES. IDENTIFY BRANCH CIRCUITS WITH CORRESPONDING CIRCUIT DESIGNATION AT THE OVERCURRENT DEVICE, AT ALL SPLICES, AND IN JUNCTION BOXES. MARK CIRCUIT DESIGNATION ON ALL J-BOX COVERS, (CIRCUIT DESIGNATION = PANEL DESIGNATION & CIRCUIT NUMBER). USE PLASTIC COATED, SELF-STICKING MARKERS FOR LD. OF CONDUCTORS AND METAL EDGE BANDED PAPER TAGS ON PULL BOXES.
- NOTIFY THE OWNER IMMEDIATELY WHERE EXISTING EQUIPMENT IS DISCOVERED TO INTERFERE WITH NEW CONSTRUCTION, AND MUST BE RELOCATED. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.
- ANY EXISTING CONDUITS, PIPING, ETC. DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE INSTALLED OR RECONNECTED BY CONTRACTOR AS A COMPLETE AND OPERABLE SYSTEM, AT CONTRACTOR'S EXPENSE.



(ADDITIONS) REFERENCE
LIGHTING PLAN
SCALE: 1/4" = 1'-0"



PARTIAL SINGLE LINE DIAGRAM

KEY NOTES:

- SEE PANEL SCHEDULE FOR PANELBOARD INFORMATION. PANELBOARD SHALL BE FLUSH MOUNTED.
- TO MAIN ELECTRICAL ROOM AT THE WEST SIDE OF THE BUILDING. RUN CONDUIT BEHIND CEILING SPACE, EXCEPT WHEN CROSSING THE Foyer. EXPOSE PORTION OF THE CONDUIT AT THE Foyer SHALL BE PAINTED TO MATCH COLOR OF EXISTING CONDUIT. CONDUIT CROSSING THE Foyer SHALL BE COORDINATED WITH THE COUNTY RIVERSIDE EDA (ECONOMIC DEVELOPMENT AGENCY).
- CONNECT FEEDER TO PANELBOARD INTEGRAL TO THE SWITCHBOARD. PROVIDE 3-PHASE, 50A BREAKER THAT SHALL MATCH WITH PANELBOARD MANUFACTURER. THE CONTRACTOR SHALL FIELD VERIFY ELECTRICAL ROOM PRIOR TO BIDDING.
- PROVIDE LIGHTING FIXTURE THAT SHALL BE SIMILAR WITH EXISTING EXTERIOR LIGHT. CONTRACTOR TO FIELD VERIFY PRIOR TO BID.
- PROGRAMMABLE TIMER SWITCH. PROVIDE Watt Stopper RT-100-W RT Series Time Switches While.
- FIXTURE SHADED CIRCLE DENOTES WITH EMERGENCY BATTERY BACKUP.
- CEILING MOUNTED OCCUPANCY SENSOR. PROVIDE DUAL TECHNOLOGY PASSIVE INFRARED SENSOR, LEVITON OR WATTESTOPPER.

RFI # 017 EXTERIOR LIGHT FIXTURE HEIGHT MATCH EXISTING.
RFI # 022 EXTERIOR LIGHT FIXTURE MODEL: ALAMEDA 3"

LIGHT FIXTURE AND EQUIPMENT LEGEND

- 2' x 2' LAY-IN PARABOLIC FLUORESCENT FIXTURE WITH (2) 32W T-8 U-LAMPS AND (1) ELECTRONIC BALLAST. MODEL: "COLUMBIA" #CS4=132-EB8-120V (62 WATTS)
- RECESSED DOWN LIGHT WITH (2) PL-13 LAMPS. MODEL: "PRESOLITE" #CFR013-ST372-120V (31 WATTS)
- EXIT LIGHT WITH 90 MINUTE BATTERY BACK-UP AND SINGLE FACE. MODEL: "PRESOLITE" #EDCI-REN-B (MOUNT ON FLUSH CEILING MOUNTED OUTLET BOX)
- SINGLE-POLE TOGGLE SWITCH ON FLUSH WALL MOUNTED OUTLET BOX. INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT (a, b, c, d) INDICATES SEPARATELY CONTROLLED DEVICES. (MOUNT AT +42" A.F.F. TO CENTER OF ELECTRICAL BOX).
- J-BOX CONCEALED ABOVE SUSPENDED CEILING
- CONDUIT INSTALLED ABOVE SUSPENDED CEILING
- EXTERIOR LIGHT FIXTURE. MODEL: "CALIFORNIA CRAFTSMAN" #W90-12, HONEY, BY F. RAYMOND (PER EXIST. ELECT. DRAWINGS.) REFER TO KEY NOTE #4. LAMP(S) INSTALLED IN EACH FIXTURE IS NOT TO EXCEED 46 INPUT WATTS PER FIXTURE.
- DIAMOND DENOTES KEY NOTE, WITH NOTE NUMBER INSIDE. TYPICAL.

NOTES:

- CONTRACTOR TO PROVIDE ENERGY-SAVING BALLASTS WITH C.E.S. LISTINGS FOR ALL FLUORESCENT FIXTURES. (PER CA. TITLE 24)
- CONTRACTOR TO FURNISH / INSTALL ALL FIXTURES AND LAMPS.
- CONTRACTOR TO DEMOLISH AND REMOVE FROM SITE ALL EXISTING POWER EQUIPMENT NECESSARY SO AS TO PROVIDE FOR INSTALLATION OF NEW EQUIPMENT SHOWN ON THIS PLAN.
- CONTRACTOR TO PROVIDE AND INSTALL ALL NEW REQUIRED EQUIPMENT, SWITCHES, ETC., TO PRODUCE A COMPLETE AND WORKING SYSTEM.
- FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO LIGHT FIXTURES, MOTORS, VIBRATING ELECTRICAL EQUIPMENT, AND HORIZONTAL RUNS IN WOOD OR METAL STUD WALLS, ONLY. E.M.T. OR I.M.C. SHALL BE USED IN ALL FIRE-RATED STRUCTURES.

As-Built

CONSULTANTS

TTG
• STRUCTURAL
• MECHANICAL
• ELECTRICAL
• CIVIL
TAMAD TAYLOR & GAINES
901 Via Placencia, Suite 400
Ontario, California 91764
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www.ttgus.com Project No. 0012.004-00

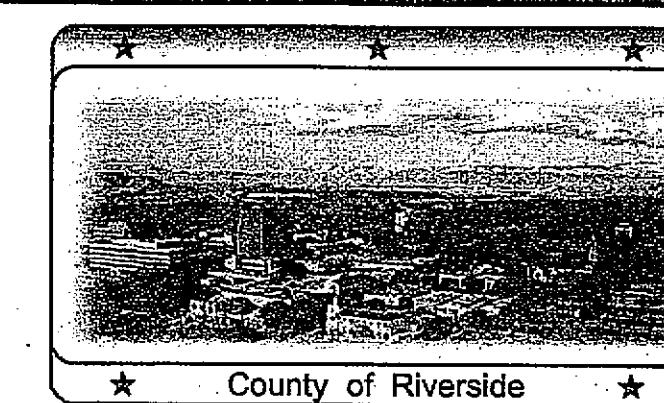
Mission Trail Community Library New Framed Addition onto Existing Community Room

4303 Mission Trail
Wildomar, CA 92595-8436

COUNTY OF RIVERSIDE
Economic Development Agency
Design & Construction

Project # 1-2012

Approval of these plans shall not be construed to be an approval of, or an approval of, any violation of any provisions of the Federal, State or County laws and ordinances. This set of plans and specifications shall be kept on the job site until completion of the project.



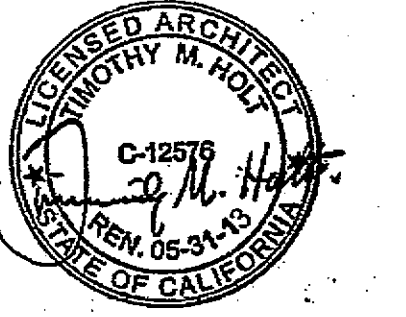
MARK	DATE	DESCRIPTION
1	10/11/2012	BID SET

PROJECT NO: RVC.004
DRAWN BY: CS
CHK'D BY: CS
ORIGINAL DATE: 10/11/2012

SHEET TITLE

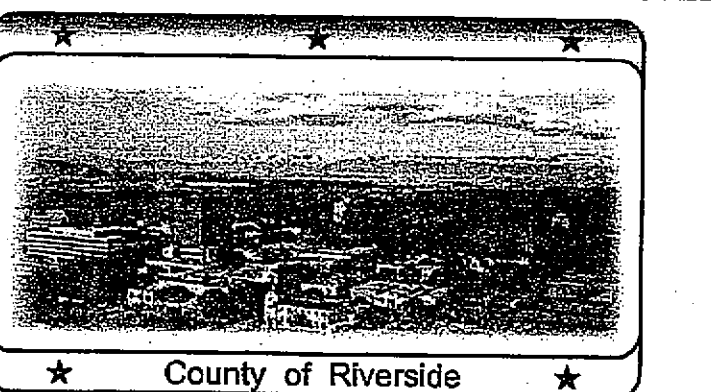
Lighting Plan

AS-BUILT



**Mission Trail
Community Library**
New Framed Addition onto Existing
Community Room

4303 Mission Trail
Wildomar, CA 92595-8436



MARK	DATE	DESCRIPTION
▲	10/11/2012	BID SET

PROJECT NO: RVC.004
DRAWN BY: CS
CHK'D BY: RC
ORIGINAL DATE: 10/11/2012

SHEET TITLE

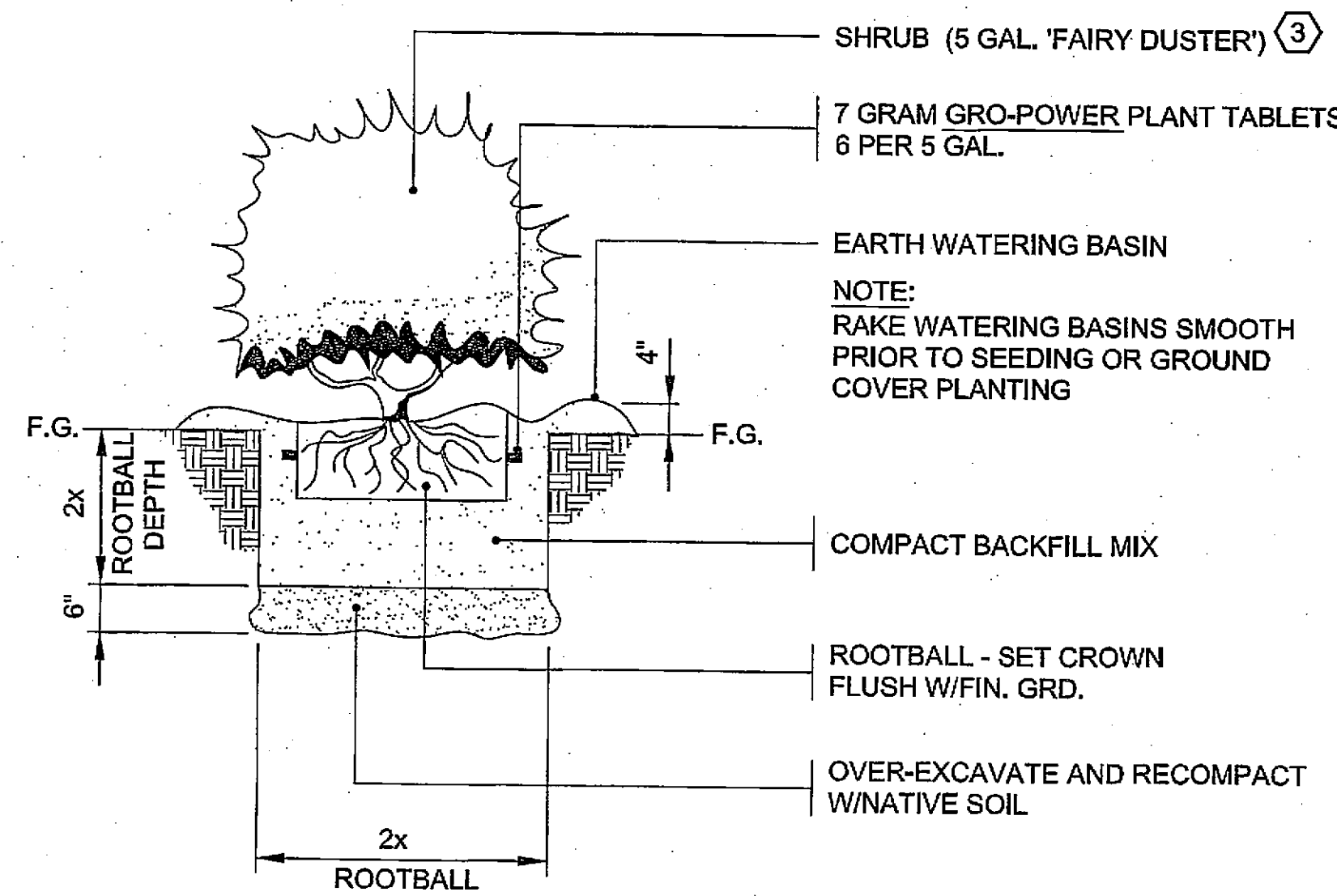
Landscape Plan

AS-BUILT

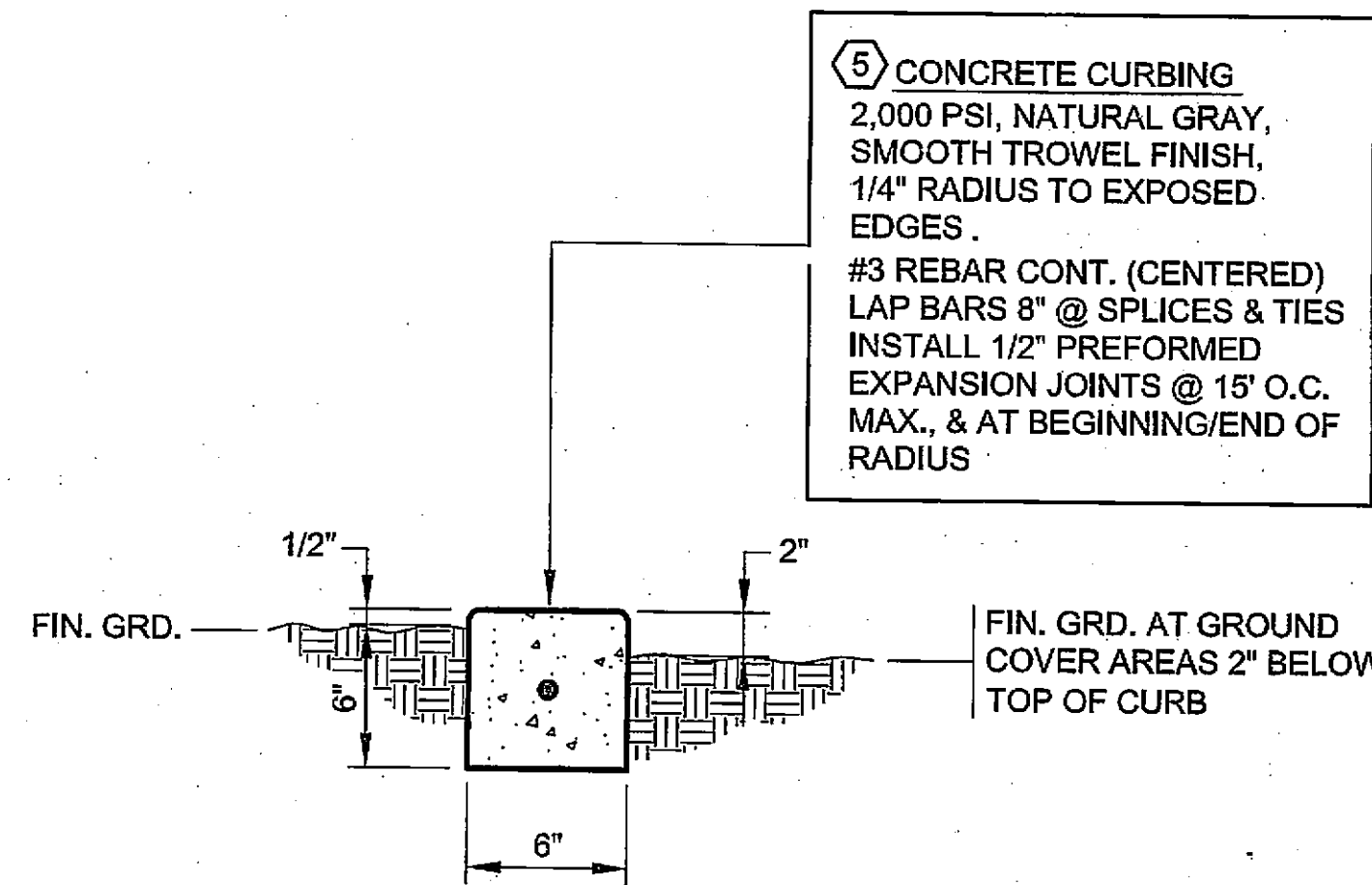
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SCOPE OF WORK

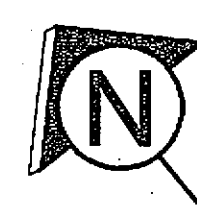
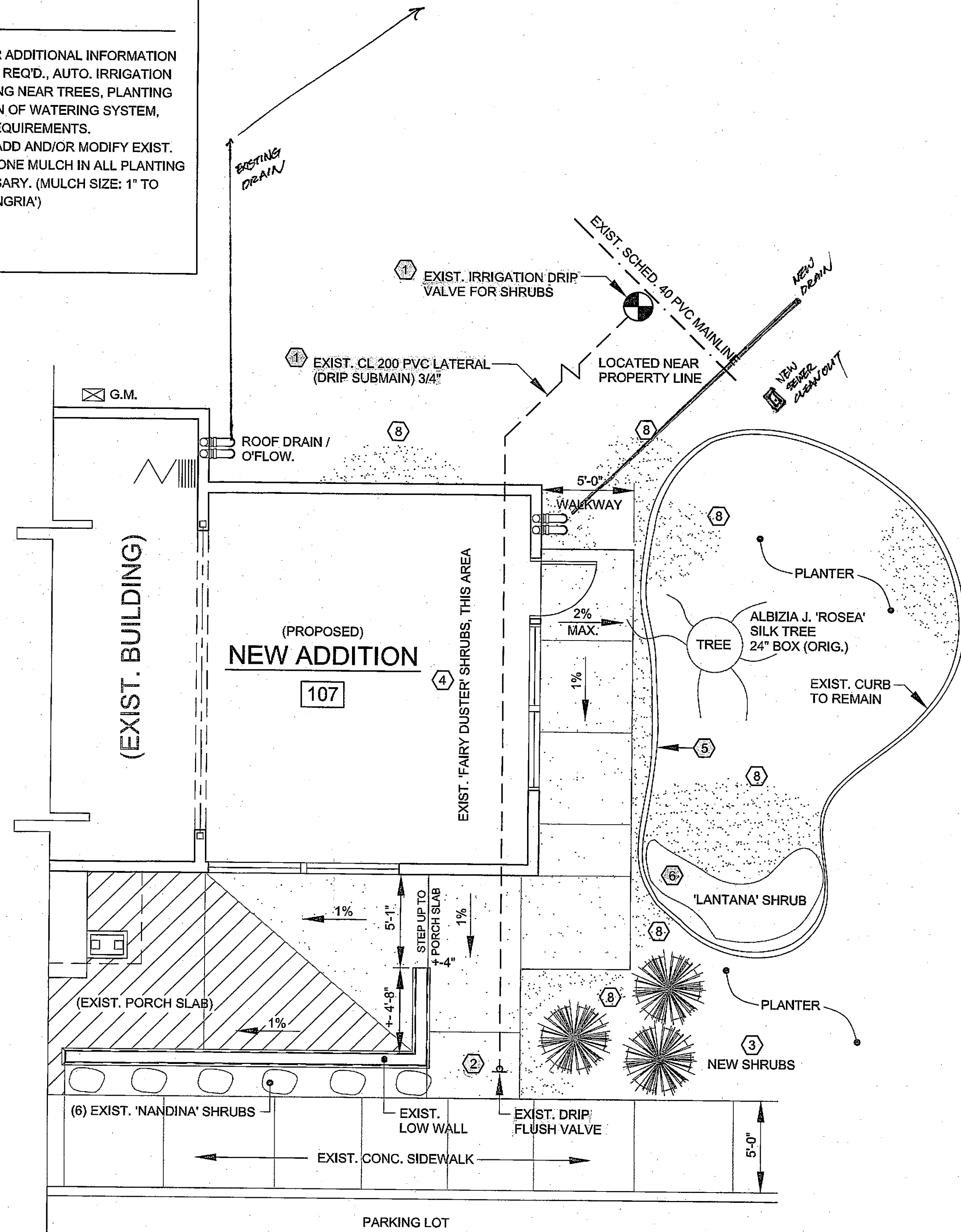
- CONTRACTOR TO RE-USE EXIST. IRRIGATION DRIP VALVE AFTER RELOCATING EXIST. CL 200 LATERAL LINE, AS NECESSARY, TO ACCOMMODATE NEW BLDG. ADDITION AND NEW SHRUB PLANTINGS.
- CONTRACTOR TO RELOCATE EXIST. DRIP FLUSH VALVE, AS NECESSARY, TO LOCATION OF NEWLY ADDED SHRUBS.
- CONTRACTOR TO PROVIDE AND INSTALL (3) NEW CALLIANDRA ERIOPHYLLA (FAIRY DUSTER) SHRUBS. SIZE: 5 GAL.
- CONTRACTOR TO REMOVE EXIST. 'FAIRY DUSTER' SHRUBS, TO ACCOMMODATE NEW BLDG. ADDITIONS.
- CONTRACTOR TO MODIFY EXIST. 6" x 6" CONC. CURB, AS NECESSARY, TO ACCOMMODATE NEW BLDG. ADDITION. (EXAMPLE SHOWN, ACTUAL CONFIGURATION MAY VARY). [SEE CURB DETAIL, THIS SHT.]
- CONTRACTOR TO TRIM, AS NECESSARY, THE EXIST. 'LANTANA' SHRUB IN PLANTER, TO ACCOMMODATE NEW WALKWAY.
- SEE SHT. A-1.0 FOR ADDITIONAL INFORMATION REGARDING WORK REQ'D., AUTO. IRRIGATION SYSTEM, TRENCHING NEAR TREES, PLANTING NOTES, OPERATION OF WATERING SYSTEM, AND SITE WORK REQUIREMENTS.
- CONTRACTOR TO ADD AND/OR MODIFY EXIST. QUANTITIES OF STONE MULCH IN ALL PLANTING AREAS, AS NECESSARY. (MULCH SIZE: 1" TO 1 1/2" COLOR: 'SANGRIA')



SHRUB PLANTING DETAIL
N.T.S.



CONCRETE CURB DETAIL
N.T.S.



PARTIAL LANDSCAPE PLAN

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

NOTE:
EMITTERS AT SHRUBS: EA. 5 GAL. SHRUB TO RECEIVE(2) 1.0 G.P.H.XB-10 EMITTERS. SHRUB EMITTERS ARE TO BE PLACED AT THE END OF THE DISTRIBUTION TUBING NEAR THE ROOTBALL. ALL DRIP TUBING SHALL BE BURIED (4" MIN.), ONLY EXPOSE A SMALL PORTION AT ROOTBALL.

REFERENCE



As-Built
Review

