ADDITIONS & ALTERATIONS TO

WILLMORE ELEMENTARY SCHOOL

WESTMINSTER SCHOOL DISTRICT

WESTMINSTER CALIFORNIA

FINISH SCHEDULE

BUILDING DESIGNATION	ROOM NUMBERS	ROOM DESCRIPTION	FLOOR: CARPET AND PAD	FLOOR: VINYL TILE	FLOOR: SHEET VINYL	FLOOR: CERAMIC TILE	FLOOR: CEMENT	FLOOR: ACRYLIC RESIN	BASE: RUBBER TOPSET	BASE: SHEET VINYL COVED	BASE: CERAMIC TILE	BASE: ACRYLIC RESIN 6" HIGH	WALLS: GYPSUM BOARD (5/8)	WALLS: VINYL WALLCOVERING	WALLS: PLASTER	WALLS: CERAMIC TILE	WALLS: MASONRY	WALLS: PREFINISHED PANELS	CEILING: INSULATION	CEILING: GYPSUM BOARD (5/8)	CEILING: ACOUSTIC TILE	CEILING: PLASTER	CEILING: SUSPENDED GRID SYSTEM	PAINT: WALLS: GYPSUM BOARD	PAINT: WALLS: PLASTER	PAINT: CEILING: GYPSUM BOARD	PAINT: CEILING: PLASTER	PAINT: MISC.: PRESSED STL. FRAMES	PAINT: MISC.: WOOD DOORS	FINISHED CEILING HEIGHT TO BOTTOM OF SUSPENDED CEILING & GRID	REMARKS	ROOM NUMBERS
	A101	WAITING	•						•					⑥	⅝"				①	①					F				S6	S6		* AT FURRED SOFFIT	A101
	A102	RECEPTION	•						•				⅝"	⑥	⅝"				①	①					F	F			S6	S6		* AT(NEW PORTION) EAST WALL	A102
	A103	CONFERENCE											⅝"	⑥	⅝"				①	①					F	F		F	S6	S6		* AT WEST WALL	A103
	A104	MECHANICAL	←		NO				W	O	R	K					I	N	①				T	H	I	S	R	O	O	M	→		A104
	A105	TOILET		•					•						⅝"				①	①		⅝"						S6		S6	S6			A105
	A106	HEALTH		•										⑥	⅝"				①	①	⅝"								S6	S6		* AT FURRED SOFFIT	A106
	A107	PRINCIPAL	•						•				⅝"	⑥	①				①	①	⅝"								S6	S6		*	A107
	A108	EXIST. ELECT. & STORAGE	←		NO				W	O	R	K					I	N	①				T	H	I	S	R	O	O	M	→		A108
	A109	CONFERENCE	•						•					⑥	①				①	①	⅝"				S6	S6		S6		S6	S6			A109
	A110	WORKROOM		•					•					⅝"	①				①	①	⅔"				F				S6	S6		* AT NEW STUD WALL & SOFFIT	A110
	B101	FOYER		½"					½"						½"		●					½"				F		F		S6	S6		* AT FURRED SOFFIT	B101
	B102	TOILET			•					•					½"		●					½"						F		S6	S6			B102
	B103	TOILET			•				½"	•					½"		●					½"						F		S6	S6			B103
	B104	TEACHER'S DINING	←		NO				W	O	R	K					I	N					T	H	I	S	R	O	O	M	→		B104
	B105	MULTI-PURPOSE	←		NO				W	O	R	K					I	N					T	H	I	S	R	O	O	M	→		B105
	B106	CUSTODIAN		•						•					½"							½"			S6			S6		S6	S6			B106
	B107	CHAIR STORAGE		½"					½"						½"							½"			S6			S6		S6	S6			B107
	B108	CHANGE ROOM		•						•					½"							½"			S6			S6		S6	S6			B108
	B109	HEATER ROOM	←		NO				W	O	R	K					I	N					T	H	I	S	R	O	O	M	→		B109
	B110	CORRIDOR		½"					½"						½"							½"			S6			S6	S6	S6			B110
	B111	KITCHEN					•					•			½"				⅝"	①	⑦	⑧							S6	S6	9'-0"		B111
	E101	BOYS TOILET		½"						½"					½"							½"			S6			S6	S6	S6			E101
	E102	CUSTODIAN/STORAGE		①					½"						½"							½"			S6			S6	S6	S6			E102
	E103	GIRLS TOILET		①						½"					①							①			S6								E103
	F101	GIRLS TOILET		½"						½"					½"							½"			S6			S6	S6	S6			F101
	F102	CUSTODIAN/STORAGE		①					½"						½"							½"			S6			S6					F102

FINISH SCHEDULE LEGEND

- * SEE REMARKS COLUMN
- • NEW MATERIAL/FINISH AT NEW OR EXISTING CONSTRUCTION
- ① EXISTING MATERIAL/FINISH TO REMAIN. WHERE NEW WORK OCCURS OR WHERE CONSTRUCTION DAMAGE OCCURS, REMOVE, REWORK AND REPLACE AS REQUIRED TO MATCH EXISTING IN ALL RESPECTS. SEE GENERAL FINISH NOTES ON THIS SHEET.
- ② ACOUSTIC TILE TO BE " FISSURED ITEM Nº 714 12"x12"x 5/8" T&G MINERAL TILE AS MANUFACTURED BY ARMSTRONG CEILING SYSTEMS.
- ③ OVER EXISTING AND/OR NEW GYPSUM BOARD
- ④ 7'-1 1/16" ± A.F.F. CERAMIC TILE WAINSCOT
- ⑤ MARLITE F.R.P. CLASS "A" PANELS, WITH MOLDINGS, TRIM, ETC. AS REQUIRED FOR COMPLETE INSTALLATION
- ⑥ OVER EXISTING AND/OR NEW PLASTERED OR GYP BD. WALLS (SIZE WALLS AS REQUIRED TO RECEIVE VINYL)
- ⑦ ACOUSTIC TILE TO BE MINABOARD "CLASSIC" ITEM Nº 765 24" x 48" x 5/8", PLASTIC COATING (FACTORY APPLIED) SQUARE EDGE LAY-IN MINERAL TILE AS MANUFACTURED BY ARMSTRONG CEILING SYSTEMS.
- ⑧ 2x4 TEE BAR GRID - CHICAGO METALLIC Nº 1200 SERIES EXPOSED GRID.
- ⑨ BLOWN-IN TYPE INSULATION

CODES AND REGULATIONS

ALL WORK SHALL COMPLY W/THE FOLLOWING CODES AND REGULATIONS:

1. 1989 N.F.P.A. 13 SPRINKLER SYSTEMS
2. CALIFORNIA ADMINISTRATIVE CODES
   a. TITLE 8, INDUSTRIAL RELATIONS
   b. TITLE 19, PUBLIC SAFETY, OFFICE - S.F.M.
   c. TITLE 24, PART 2, CCR (1991 UBC W/Cal. AMENDS)
      TITLE 24, PART 3, CCR (1991 UEC W/Cal. AMENDS)
      TITLE 24, PART 4, CCR (1991 UMC W/Cal. AMENDS)
      TITLE 24, PART 5, CCR (1991 UPC W/Cal. AMENDS)
      TITLE 24, PART 9, CCR (1991 UFC W/Cal. AMENDS)
3. CALIFORNIA ENERGY CONSERVATION STANDARDS
4. NATIONAL BOARD OF FIRE UNDERWRITERS
5. STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY
6. ANY PREVAILING RULES AND REGULATIONS PERTAINING TO ADEQUATE PROTECTION AND/OR GUARDING OF ANY MOVING PARTS OR OTHERWISE HAZARDOUS LOCATIONS.
7. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF NEW - AND EXISTING CONSTRUCTION TO ASSURE PROPER ALIGNMENT AND SIZE PRIOR TO STARTING NEW CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTANCIES.
2. WHERE JOINING NEW CONSTRUCTION TO EXISTING, REMOVE EXISTING CONSTRUCTION AND FINISHES AS REQUIRED FOR NEW WORK AND REPAIR/REPLACE TO MATCH EXISTING IN ALL RESPECTS.
3. WHERE JOINING NEW ROOF CONSTRUCTION TO EXISTING, REMOVE EXISTING CONSTRUCTION AS REQUIRED FOR NEW ROOF CONSTRUCTION AND REPAIR/REPLACE TO MATCH EXISTING IN ALL RESPECTS. SEE SPECIFICATIONS.
4. ALL NEW INTERIOR STUDS TO BE 2x6 SPACED @ 16" o.c. UNLESS NOTED OTHERWISE (U.N.O.)
5. WHERE FLOOR DRAINS OCCUR (SEE PLUMBING DWGS. FOR LOCATIONS) SLOPE FLOOR 1/8" PER FOOT TO DRAINS - 1" MAX. (U.N.O.)
6. N.I.C. ITEMS ARE NOT A PART OF D.S.A. APPROVAL
7. ALL GYPSUM BOARD SHALL BE 5/8" THICK 'x" WITH ALL JOINTS TAPED INCLUDING LOCATIONS WHERE 2 LAYERS ARE REQUIRED.
8. EXTERIOR PLASTER SHALL COMPLY WITH TITLE 24, SECTION 4706 (e) FOR ATTACHMENT.

GENERAL FINISH NOTES

1. PROVIDE METAL PLASTER SCREED AT ALL TERMINI.
2. PROVIDE CORNER BEADS AT ALL "OUTSIDE" CORNERS OF INTERIOR PLASTER WALLS, DOOR AND WINDOW REVEALS ETC.
3. ALL PLASTER TO BE APPLIED OVER METAL LATH (U.N.O.)
4. PROVIDE METAL TRIM AT ALL GYPSUM BOARD TERMINI.
5. PROVIDE METAL CORNER BEADS AT ALL "OUTSIDE" CORNERS OF GYPSUM BOARD
6. PROVIDE ALUMINUM "J" EDGING AT ALL FIELD APPLIED VINYL WALL COVERING TERMINI.
7. WHERE TOPSET BASE IS SCHEDULED FOR WALLS WHERE FIXED CASEWORK OCCURS, THE BASE IS TO BE OMITTED AT ALL WALLS BEHIND CASEWORK AND PROVIDED AT ALL EXPOSED FACES OF CASEWORK, INCLUDING ISLAND CASEWORK.
8. WHERE VINYL WALL COVERING IS FIELD APPLIED TO ANY MATERIAL, IT SHALL BE SCRIBED TO FIXED CASEWORK. OTHER MATERIALS TO RUN BEHIND CASEWORK
9. SEE FINISH SCHEDULE FOR INTERIOR PAINT AND STAIN.
10. ALL WALL FINISHES ARE TO RUN BEHIND FIXED CASEWORK AND SHELVING EXCEPT AS NOTED IN "7 AND 8" ABOVE
11. WHERE SUSPENDED GRID CEILING ABUTTS STUD WALL, THE WALL FINISHES ARE TO EXTEND 3" ABOVE THE CEILING. ALSO SEE GENERAL NOTES
12. EXTERIOR FINISHES:
    ALL PLASTER SHALL BE MEDIUM DASH FINISH, PAINT (FLAT). ALSO SEE MASONRY NOTES.
13. WHERE EXISTING FINISHES ARE DISTURBED, DAMAGED OR REMOVED DURING THE WORK, THE CONTRACTOR IS TO REPLACE AS NECESSARY TO MATCH EXISTING.

NOTE:
FOR CONTINUATION OF NOTES SEE SHEET A-2

INDEX OF DRAWINGS

T-1 TITLE SHEET, INDEX, FINISH SCHEDULE & NOTES

C-1 TOPOGRAPHIC SURVEY
C-2 TOPOGRAPHIC SURVEY
C-3 GRADING PLAN
C-4 GRADING PLAN

HC-1 ACCES SITE PLAN AND DETAILS - N.I.C.

A-1 DEMOLITION FLOOR PLANS - BUILDINGS "A", "B", "E" AND "F"
A-2 FLOOR PLANS - BUILDINGS "A" AND "B" AND NEW LUNCH SHELTER
A-3 1/4" KITCHEN & TOILET FLOOR PLANS
A-4 EXTERIOR ELEVATIONS AND SECTIONS
A-5 ROOF PLAN & DETAILS
A-6 EXTERIOR DETAILS
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A-12 SITE PLANS (5) VARIOUS SCHOOLS
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S-1 GENERAL NOTES
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S-3 FOUNDATION AND ROOF FRAMING PLAN
S-4 FOUNDATION PLAN @ RELOCATABLES
S-5 FOUNDATION DETAILS
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S-7 ROOF FRAMING DETAILS

M-1 MECHANICAL PLOT PLANS & BLDGS. "E" AND "F"
M-2 PLBG. MULTI-PURPOSE & ADMINISTRATION BLDGS.
M-3 HVAC. MULTI-PURPOSE & ADMINISTRATION BLDGS.
M-4 PLBG. - SCHEDULES AND DETAILS
M-5 HVAC. - SCHEDULES AND DETAILS

E-1 SYMBOLS, NOTES
E-2 RELOCATABLE CLASSROOM BUILDING ELECT PLAN AND SINGLE LINE DIAGRAM
E-3 BUILDING "A" & "B" ELECTRICAL PLANS
E-4 BUILDING "E" & "F" TOILETS/STORAGE AN ELECTRICAL PLANS

DEFERRED APPROVA

1 INSTALLATION OF FIRE ALARM ...TARTED UNTIL DETAILED PLANS AND SPE... ARE APPROVED BY THE DIVISION OF ... ARCHITECT.

2 INSTALLATION OF SKYROOF SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS ARE APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

DIVISION OF THE STATE ARCHITECT OFFICE OF REGIONAL PROJECTS
APPL 6 09 18
ACCEPTED A.M.
DATE MAR 29 1994
EMILCOTT ACS
F: 30-43 / LA.

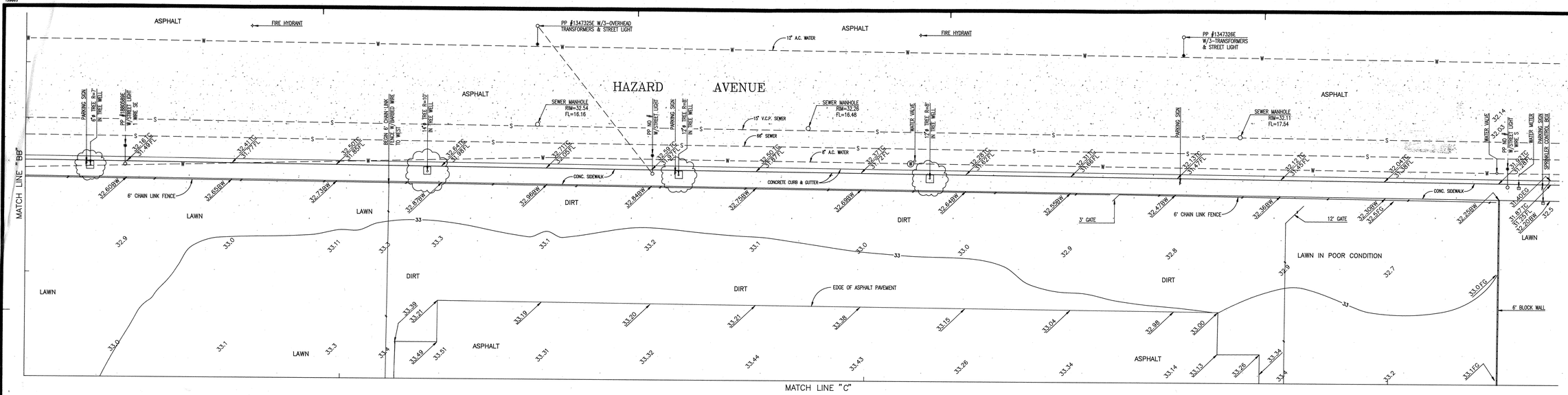
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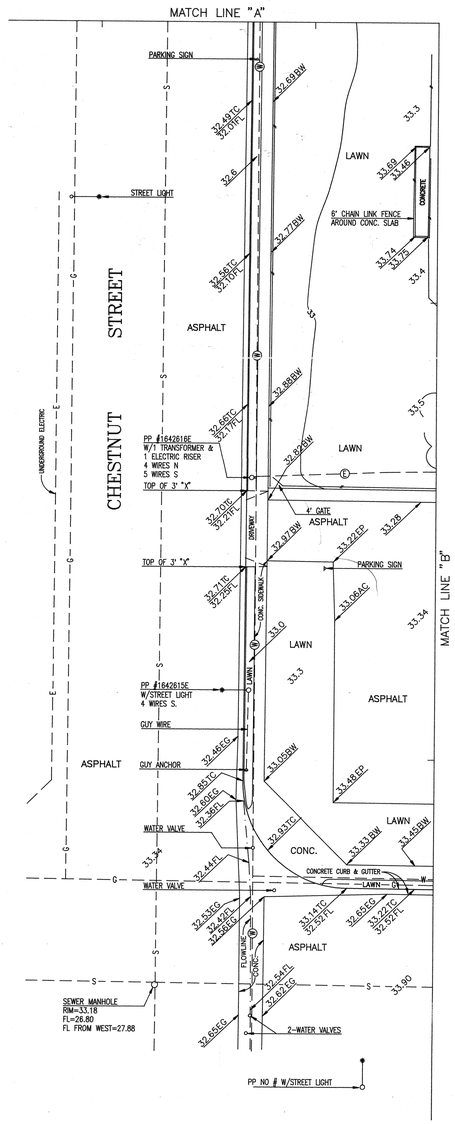
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

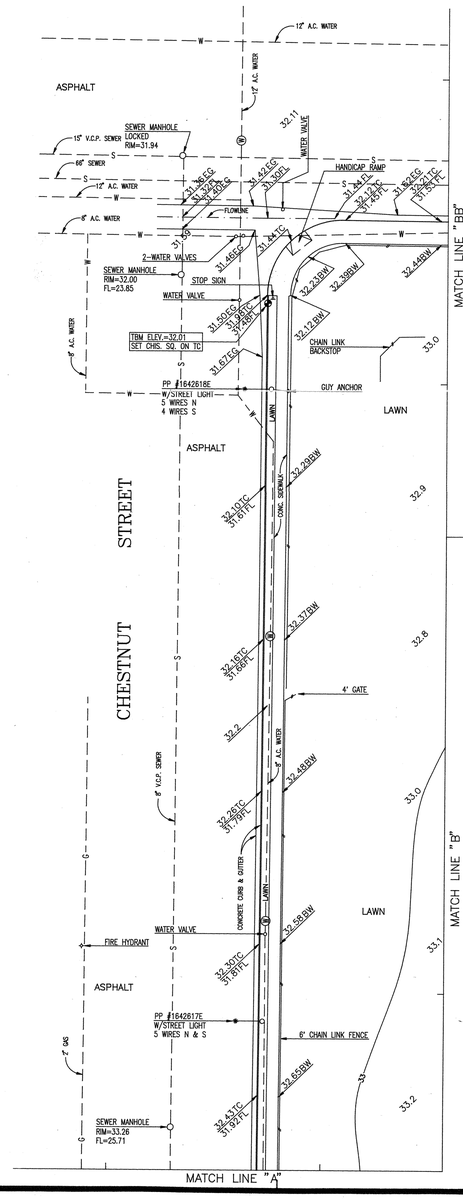
TITLE SHEET, INDEX, FINISH SCHEDULE & NOTES

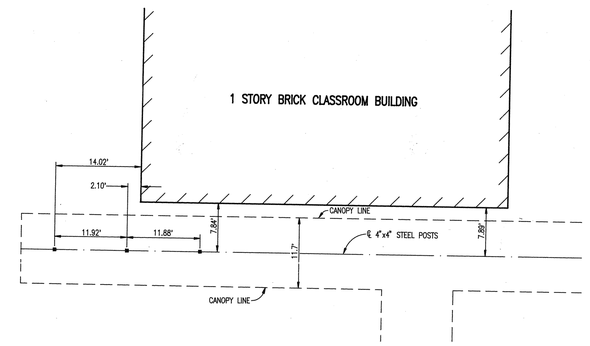
DATE
JOB NO. 9552
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SHEET 1 OF 35
T-1









DETAIL "A"
SCALE: 1"=10'
■ = 4"x4" STEEL POST

SCALE: 1"=20'

DATUM: COUNTY OF ORANGE

BENCHMARK: FOUND O.C.S. ALUMINIUM DISK STAMPED 1C 106 69 IN THE NORTHEAST PART OF THE INTERSECTION OF WESTMINSTER AVENUE AND GOLDEN WEST STREET; 75 FEET NORTH OF THE PROLONGATION OF THE NORTH CURB LINE OF WESTMINSTER AVENUE, 37 FEET EAST OF THE CENTER LINE OF GOLDEN WEST STREET, SET IN THE TOP OF THE NORTHEAST CORNER OF A 7 BY 4 FOOT CONCRETE CATCH BASIN, 0.9 OF A FOOT HIGHER THAN THE GUTTER.
BM NO.: 1C 106 69 ELEV.= 35.391 (1971)

LEGAL DESCRIPTION

THE EAST 76 FT. OF LOTS 54 AND 55 AND ALL OF LOTS 56, 57, 58, AND 59 OF TOWN OF WESTMINSTER, AS SHOWN ON A MAP FILED IN BOOK 2, PAGE 1 OF RECORDS OF SURVEYS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID ORANGE COUNTY. ALL THAT PORTION OF LOCUST ST. 90 FT. IN WIDTH, AS SHOWN ON THAT MAP FILED IN BOOK 2, PAGE 1 OF RECORDS OF SURVEY IN ORANGE COUNTY.

NOTES: 1. THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY.
2. NO TITLE REPORT WAS PROVIDED FOR THIS SURVEY.

LEGEND

—T—C—W— = UNDERGROUND UTILITY LINES AS TAKEN FROM PUBLIC RECORDS.

—(T)—(C)—(W)— = UNDERGROUND UTILITY LINES AS LOCATED AND MARKED ON THE SURFACE BY UNDERGROUND ALERT.

UTILITY NOTE: ALL UNDERGROUND UTILITIES AS TAKEN FROM PUBLIC RECORDS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY.

HB	=	HOSE BIB
EP	=	EDGE OF PAVEMENT
TC	=	TOP OF CURB
FL	=	FLOW LINE
SWL	=	SWALE
EG	=	EDGE OF GUTTER
BW	=	BACK OF WALK
FG	=	FINISHED GRADE
FS	=	FINISHED SURFACE
TW	=	TOP OF WALL
THW	=	TOP OF HEADWALL
INV	=	INVERT

TOPOGRAPHIC SURVEY OF PARTS OF LOTS 54 & 55 AND ALL OF LOTS 56, 57, 58, & 59 TOWN OF WESTMINSTER

R/S 2, PAGE 1

CITY OF WESTMINSTER
COUNTY OF ORANGE
STATE OF CALIFORNIA

I HEREBY CERTIFY THAT I AM A LICENSED LAND SURVEYOR OF THE STATE OF CALIFORNIA, THAT THIS MAP, CONSISTING OF 2 SHEETS, CORRECTLY REPRESENTS A TOPOGRAPHIC SURVEY MADE UNDER MY SUPERVISION, AND DOES NOT REPRESENT A BOUNDARY SURVEY. CONTROL AND CENTERLINE LOCATIONS WERE BASED UPON EXISTING IMPROVEMENTS AND DO NOT NECESSARILY REFLECT ACTUAL PROPERTY LINES. EASEMENTS ARE ALSO EXCLUDED, EXCEPT THOSE SPECIFICALLY DELINEATED HEREON.

Robert M. Wada
ROBERT M. WADA LS 3090

LICENSED LAND SURVEYOR ROBERT M. WADA Expires 6-30-96 No. 3090 STATE OF CALIFORNIA

RECEIVED BY THE OFFICE OF THE STATE ARCHITECT APR 09 '98 DATE: MAR 23 1998

SHEET 1 OF 2

SURVEY NO. 1990 SEPTEMBER 3, 1993

ROBERT WADA & ASSOC, INC.
410 WEST AMERICE AVE
FULLERTON, CA 92632
TELE: (714) 992-5461
FAX: (714) 525-9761

NTD NEPTUNE • THOMAS • DAVIS
ARCHITECTS • ENGINEERS • PLANNERS
357 North Sheridan Street, Suite 101 Corona, California 91720
ARCHITECT

LICENSED ARCHITECT RICHARD D. DUNCAN Exp. 3-31-96 STATE OF CALIFORNIA

ADDITIONS & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER CALIFORNIA

TOPOGRAPHIC SURVEY

DATE	JOB NO.	DRAWN	CHECKED
	1		

SHEET C1 OF

C2

139663

MATCH LINE "C"

MATCH LINE "B"

LAWN
ASPHALT
DIRT
CONCRETE
8' CHAIN LINK FENCE
EDGE OF ASPHALT PAVEMENT
GRADE BREAK
CONC.
1' WIDE PARKWAY DRAIN H=.45'
WATER VALVE
1 STORY BRICK BUILDING (CLASSROOMS)
1 STORY BRICK BUILDING (MULTIPURPOSE)
1 STORY BRICK BUILDING (ADMINISTRATION & LIBRARY)
1 STORY BRICK BLDG. (KINDERGARDEN)
MOBILE HOME
LAWN IN POOR CONDITION
SEE DETAIL "A"
3" CAST IRON PIPE RISER INTO BLDG.
4-PAY TELEPHONES
CANOPY LINE
SEWER CLEANOUT
6" CAST IRON PIPE RISER INTO BLDG.
2-CURB DRAINS
CONCRETE HEADWALL
6" CAST IRON DRAIN
CONCRETE CURB & GUTTER
6' CHAIN LINK FENCE AROUND CONC. SLAB
CHAIN LINK BACKSTOP
4' CONCRETE WIDEWALK
14.5' SLIDING GATE
8.5' CHAIN LINK GATE
6' CHAIN LINK FENCE W/BARBED WIRE
5.5' BRICK WALL WIDTH=9"
11.6'x5.2' CONCRETE PAD W/WATER RISERS & VALVES
GAS VALVE
ELECTRIC GROUND IN 18" SQ. CONC. BOX
ELECTRIC VAULT
ELECTRIC RISER
TELEPHONE RISER
GAS RISER
WATER VALVE
GAS VALVE
1" SQ. METAL COVER LOCKED
HOSE BIB
CANOPY OVERHANG
FLAGPOLE BASE=2'@ H=18'
7'@ CONCRETE SLAB 8" THICK
4.5'@ CONCRETE SLAB 4" THICK
4'x7' CONC. PAD
7.3'x6.8' CONC. PLANTER
10' MOON FENCE
6' WROUGHT IRON FENCE
HOSE BIB
4' CHAIN LINK FENCE
6' BLOCK WALL
4' SQ. CONCRETE UTILITY PAD W/SEWER, WATER & ELECTRIC RISERS
8.7'x9.7' METAL STORAGE SHED
2' CHAIN LINK FENCE
GATE
SWINGS
JUNGLE GYM
SLIDE
HOOP SWINGS
CLAY CRAWLING PIPE 30'Ø INSIDE
GUY ANCHOR
GUY WIRE
GUY ANCHOR W/3 WIRES N'LY
PP NO # 0.6" GAP IN WALL 1 TELE. 1-TV N. & S.
PP #1461724E W/1-TRANSFORMER 1.0" GAP IN WALL 1 TV 1 TELE. N & S
PP #GT115168 0.7" GAP IN WALL
PP NO # W/3 TELEPHONE RISERS 1 POWER WIRES NE'LY TELE & 3 POWER TO N.
PP NO # W/STREET LIGHT
PP #1806SME W/STREET LIGHT 1 WIRE N.
PP #1806SME W/STREET LIGHT 1 WIRE W.
SEWER MANHOLE RIM=33.89 FL=27.01
SEWER MANHOLE RIM=34.05 FL=26.07
SEWER MANHOLE RIM=33.82 FL=26.27
SEWER MANHOLE RIM = 33.58 FL=24.80
2-WATER VAULTS
8" V.C.P. SEWER
8" A.C. WATER
2" GAS
4"x4" SPRINKLER CONTROL BOX ON 1 1/2" STEEL PIPE UP 2.5'
PARKING SIGN
DRIVEWAY
CONC. SIDEWALK
TOP OF 3.5' "X"
TOP OF 2' "X"
TOP OF 3' "X"
TOP OF 3" "X"
TOP OF 1' "X"
7 OVERHEAD WIRES
2 ELECTRIC, 1 TELEPHONE & 1 TV OVERHEAD WIRES
1 TELEPHONE & 1 TV OVERHEAD WIRES
MAPLE STREET
PP NO # W/STREET LIGHT
FIRE HYDRANT
SCALE: 1"=20'
SEPTEMBER 3, 1993

REGULATION STAMP
DEPT. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROVED
DATE MAR 23 1994

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357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT
RICHARD D. DUNCAN
No. C-13738
Exp. 8-31-95
STATE OF CALIFORNIA

ADDITIONS & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER CALIFORNIA

TOPOGRAPHIC SURVEY

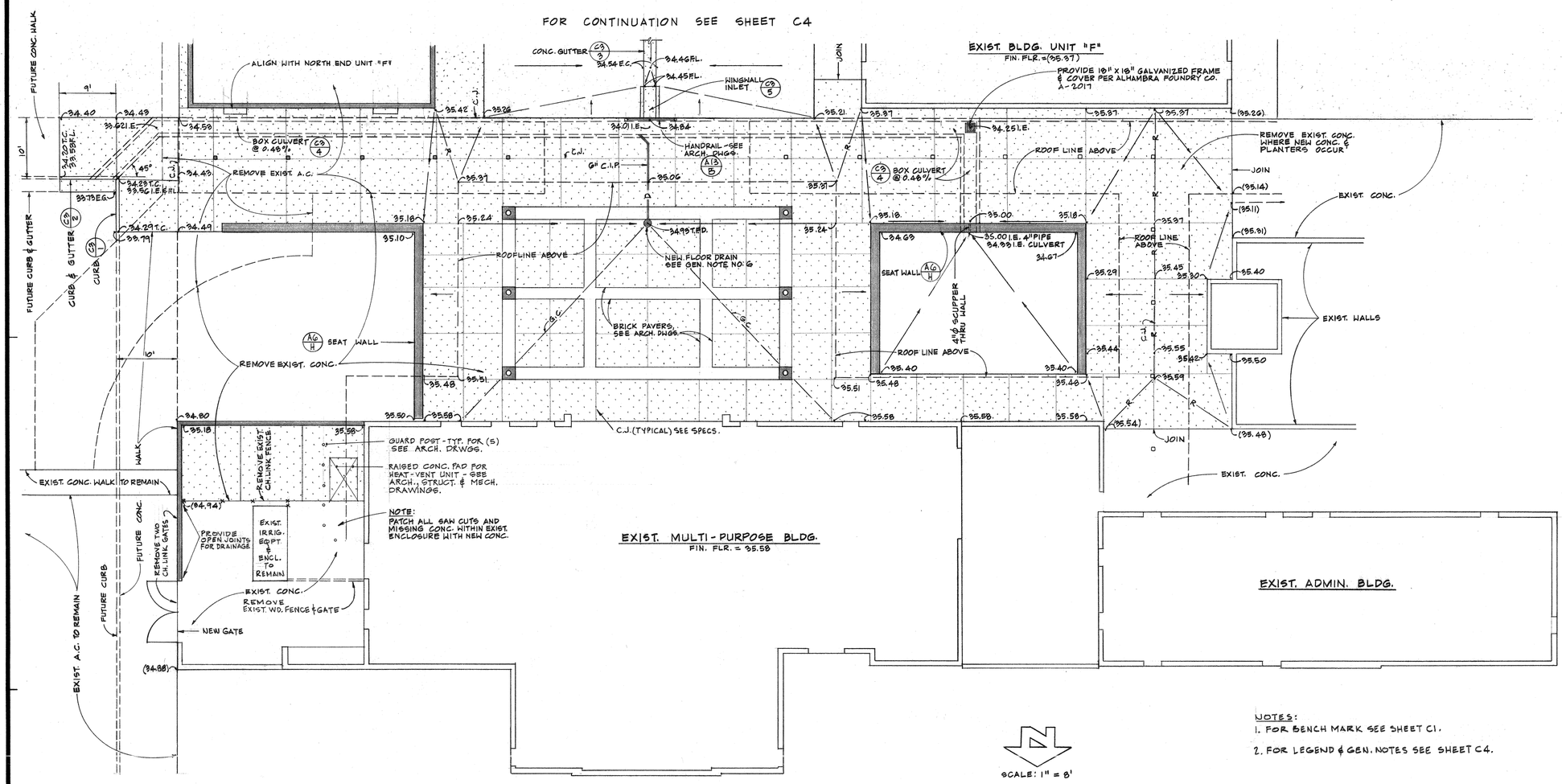
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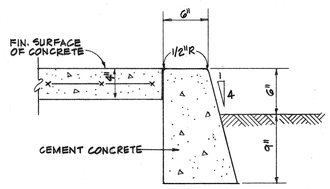
SURVEY NO. 1990 SHEET 2 OF 2

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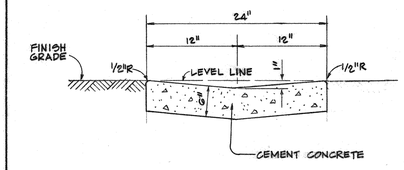
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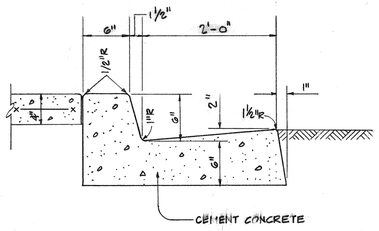
NOTES:
1. FOR BENCH MARK SEE SHEET C1.
2. FOR LEGEND & GEN. NOTES SEE SHEET C4.



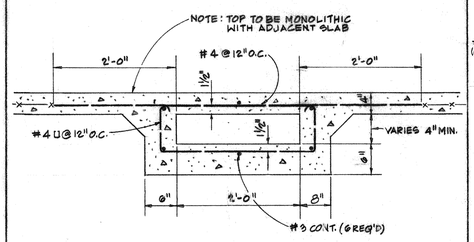
CONC. CURB | NOT TO SCALE | 1



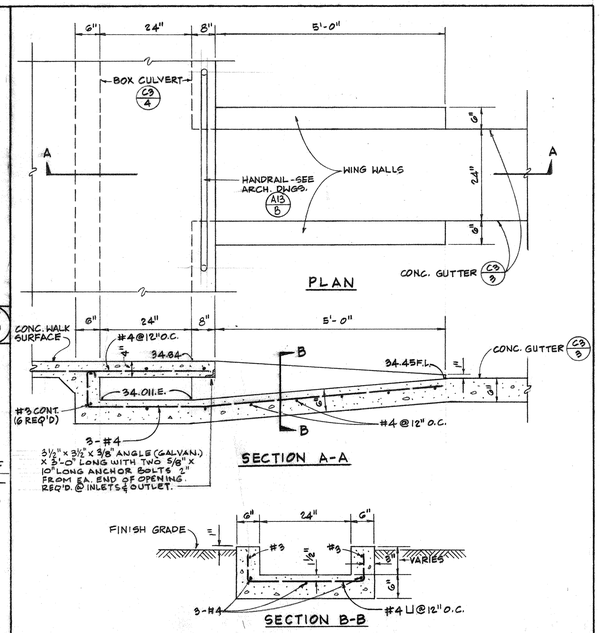
CONC. GUTTER | NOT TO SCALE | 3



CONC. CURB & GURTER | NOT TO SCALE | 2



BOX CULVERT | NOT TO SCALE | 4



WING WALL INLET | NOT TO SCALE | 5

NTD ARCHITECTS
N E P T U N E · T H O M A S · D A V I S
ARCHITECTS - ENGINEERS - PLANNERS 357 North Sheridan Street, Suite 101 Corona, California 91720

RECISTERED PROFESSIONAL ENGINEER * MINUTO * C22211 EXPIRES 12-31-97 CIVIL STATE OF CALIFORNIA
3-13-96

LICENSED ARCHITECT RICHARD D. DUNCAN C-13496 EXPIRES 12-31-96 STATE OF CALIFORNIA

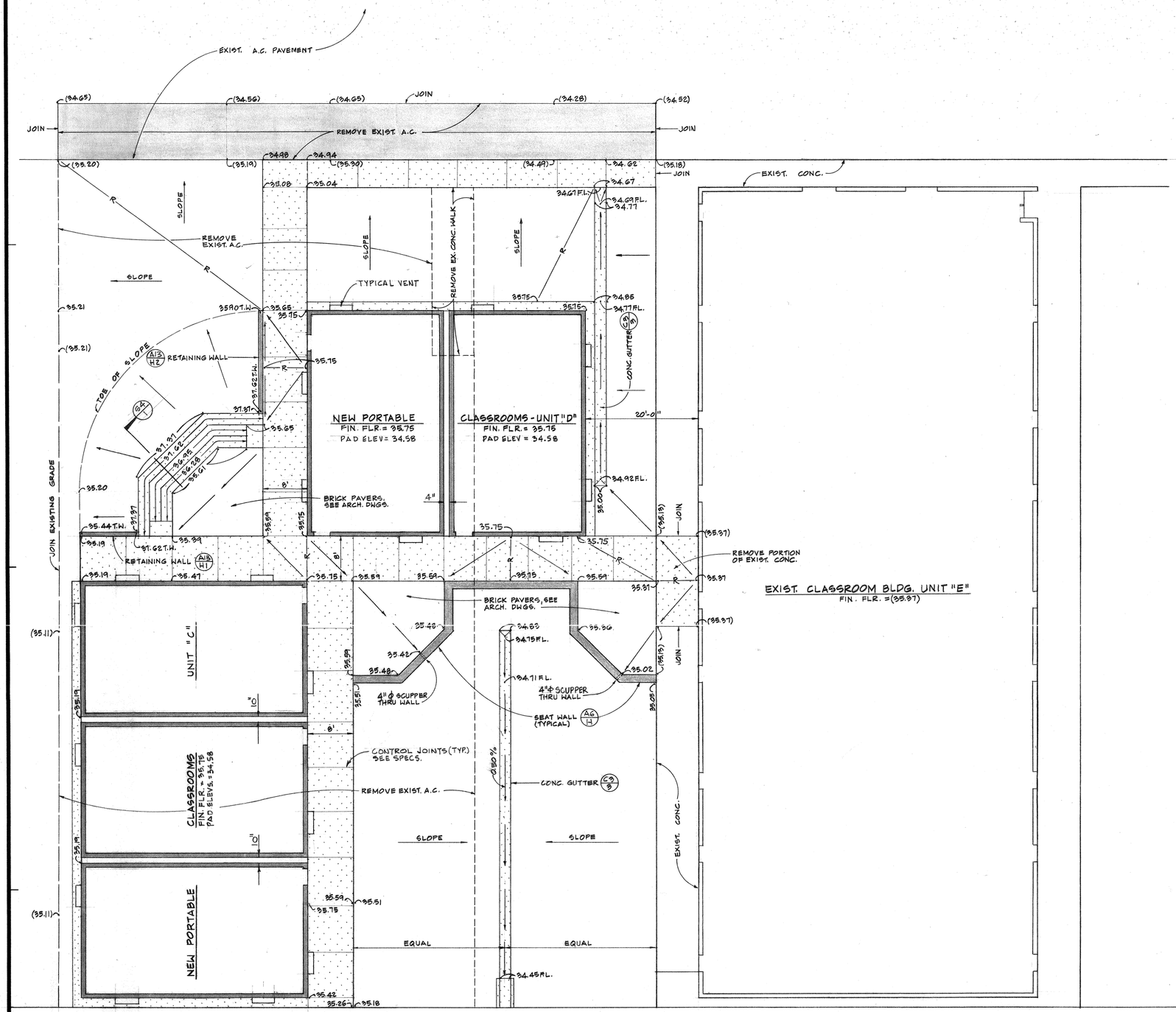
ADDITIONS & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER CALIFORNIA

GRADING PLAN

DATE	JOB NO.	DRAWN	CHECKED
JAN. 194	93531	D. G.	R.S.B.

SHEET OF C3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC FLS 88 4-21
DATE MAR 23 1994



FOR CONTINUATION SEE SHEET C3

LEGEND:

	NEW 3" THICK ASPHALTIC CONCRETE OVER 4" AGGREGATE BASE
	NEW 4" THICK CEMENT CONCRETE WITH 6"X 6"X #10 X #10 WELDED WIRE MESH UNLESS OTHERWISE NOTED OR DETAILED
(34.50)	EXISTING SPOT ELEVATION
35.00	NEW FINISH GRADE OR SURFACE ELEVATION
R	RIDGE
G.C.	GRADE CHANGE
A.C.	ASPHALTIC CONCRETE
I.E.	INVERT ELEVATION
FL.	FLOW LINE
T.C.	TOP OF CURB
T.F.D.	TOP OF FLOOR DRAIN
T.W.	TOP OF WALL
C.J.	CONTROL JOINT (SEE SPECS.)

GENERAL NOTES

1. STRAIGHT GRADES SHALL BE RUN BETWEEN ALL FINISHED ELEVATIONS SHOWN ON PLAN EXCEPT WHERE RIDGES, FLOWLINES, OR GRADE CHANGES OCCUR IN BETWEEN.
2. IF DURING THE CONTRACT PERIOD, EROSION OR SILTATION DAMAGES OCCUR ON THE SITE WITHIN THE AREAS OF WORK, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR SAID DAMAGE AS DIRECTED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL ALSO BEAR THE COST FOR SAID REPAIRS.
3. ALL JOINTS INDICATED ON THE DRAWINGS FOR CONCRETE WALKS AND PAVEMENT SHALL BE CONTROL JOINTS PER THE SPECIFICATIONS.
4. 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, ARCHITECT AND CIVIL 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, ARCHITECT OR CIVIL ENGINEER.
5. STORM DRAIN PIPE SHALL BE SERVICE WEIGHT, HUBLESS, COATED, CAST IRON SOIL PIPE (INCLUDING FITTINGS) IN COMPLIANCE WITH ASTM A74-66, LATEST REVISION. JOINTS SHALL BE COMPRESSION TYPE.
6. WHERE REFERENCED TO THIS NOTE, INSTALL FLOOR DRAIN PER J.R. SMITH CO. FIG. 2131 WITH SEDIMENT BUCKET, HINGED GRATE, NICKEL BRONZE TOP AND 6" OUTLET.
7. CONTRACTOR SHALL USE THE SURVEY DRAWINGS AND WALK THE SITE PRIOR TO BIDDING TO DETERMINE NECESSARY ITEMS REQUIRING REMOVAL AND DEMOLITION. ALL ITEMS REQUIRING REMOVAL MAY OR MAY NOT BE INDICATED ON THE GRADING PLANS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC FLAG-88 C.M.
DATE MAR 29 1994

REGISTERED PROFESSIONAL ENGINEER · RICHARD D. DUNCAN · C52311 · EXPIRES 12-31-97 · CIVIL · STATE OF CALIFORNIA
3-15-94

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS 357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT · RICHARD D. DUNCAN · Exp. 3-31-96 · STATE OF CALIFORNIA

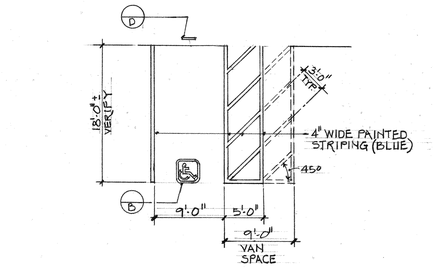
ADDITIONS & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER CALIFORNIA

GRADING PLAN

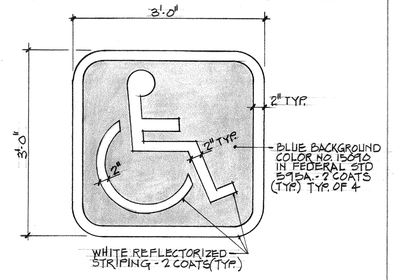
DATE	JAN. 1994
JOB NO.	9331
DRAWN	D.G.
CHECKED	R.E.B.

SHEET OF

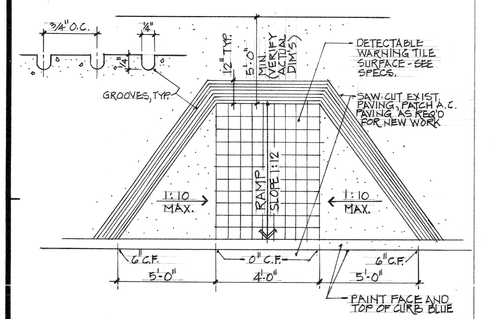
C4



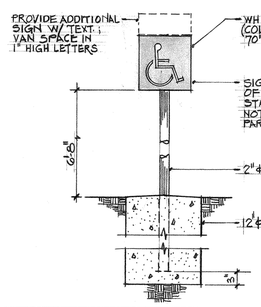
HANDICAP STALL — SCALE 1/8" = 1'-0" — HC-1 A



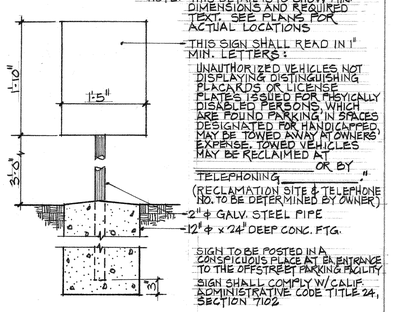
INTERNATIONAL SYMBOL OF ACCESSIBILITY — SCALE 1" = 1'-0" — HC-1 B



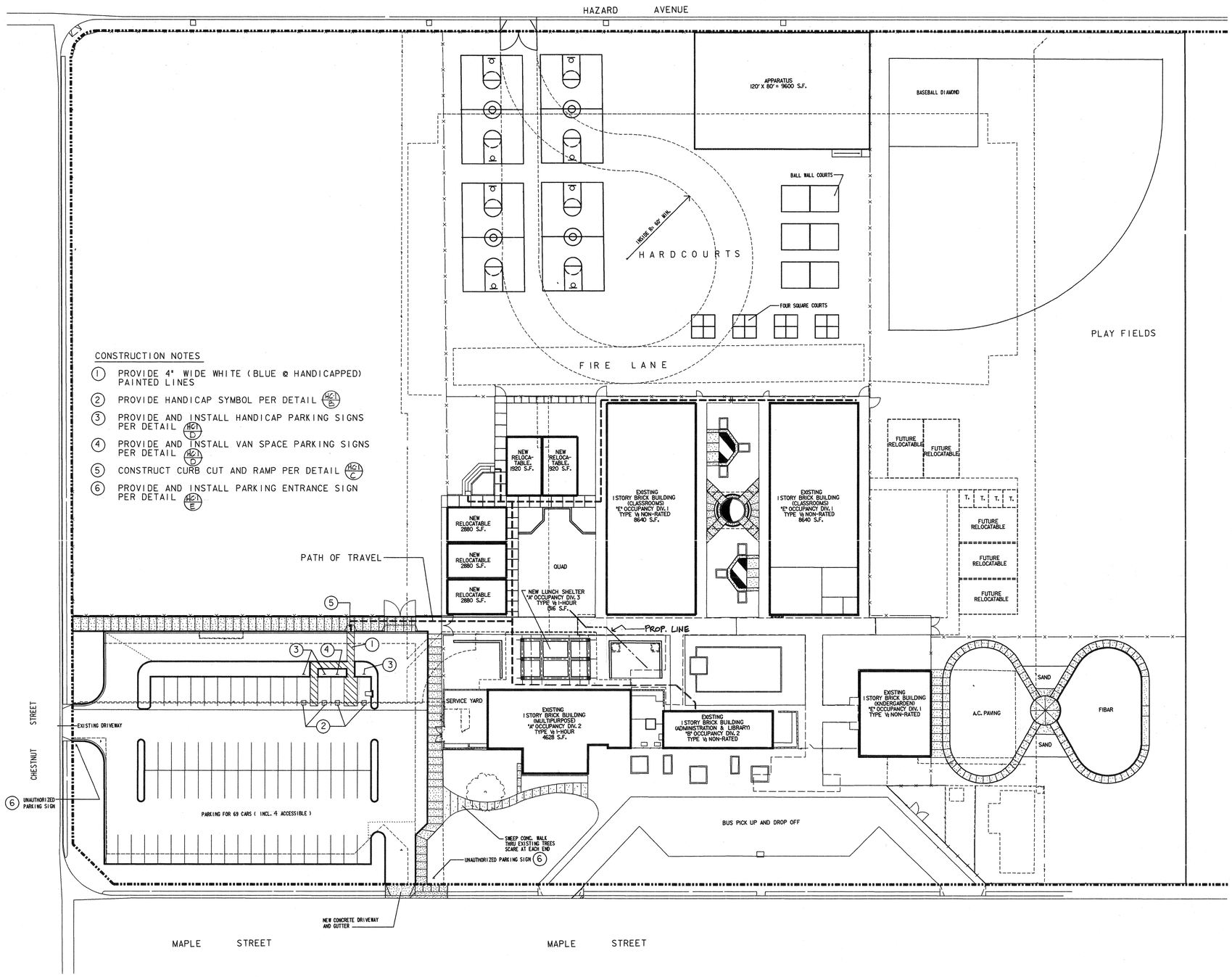
CURB RAMP — NO SCALE — HC-1 C



STALL SIGN — NO SCALE — HC-1 D



HANDICAP ENTRANCE SIGN — NO SCALE — HC-1 E



SITE PLAN

SCALE: 1"=30'

NOTE : ALL SITE WORK NOTED ON THIS SHEET NOT IN CONTRACT

IDENTIFICATION APPROVED DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL # 09 91 0
AC PLS 88 A.W.
DATE MAR 23 1994

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS
357 North Sheridan Street, Suite 100 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNCAN No. 13196 STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR :
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ACCESS SITE PLAN AND DETAILS

DATE
JOB NO. 93531
DRAWN
CHECKED

SHEET OF

HC-1

I:\dgn\93532\a1.dgn Feb. 23, 1994 14:23:09

NOTE: PERMITS WILL BE REQUIRED FOR THE FOLLOWING:
A. ENCROACHMENT PERMIT FOR THE NEW DRIVEWAY ENTRANCES ON HAZARD AVE. AND MAPLE STREET.
B. ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY PERMIT FOR THE DRAINAGE OUTFLOW ONTO CHESTNUT STREET.

SITE FOR REQUIRED HYDRANT

HAZARD AVENUE

CHESTNUT STREET

MAPLE STREET

NEW CONC. DRIVEWAY & GUTTER

APPARATUS 120' X 80' = 9600 S.F.

NEW BASEBALL DIAMOND

NEW BALL WALL COURTS

INSIDE R= 60' MIN.

HARDCOURTS

NEW BASKETBALL COURTS

NEW FOUR SQUARE COURTS

PLAY FIELDS

FIRE LANE

NEW CHAIN LINK GATES AND FENCE

NEW RELOCATABLE

NEW RELOCATABLE

NEW RELOCATABLE

NEW RELOCATABLE

NEW RELOCATABLE

QUAD

EXISTING 1 STORY BRICK BUILDING (CLASSROOMS)

EXISTING 1 STORY BRICK BUILDING (CLASSROOMS)

FUTURE RELOCATABLE

FUTURE RELOCATABLE

FUTURE RELOCATABLE

FUTURE RELOCATABLE

FUTURE RELOCATABLE

NEW CHAINLINE GATES

NEW CONCRETE SIDEWALK

NEW LUNCH SHELTER

NEW GATES

NEW & EXISTING A.C. PAVING SEE

SERVICE YARD

EXISTING 1 STORY BRICK BUILDING (MULTIPURPOSE)

EXISTING 1 STORY BRICK BUILDING (ADMINISTRATION & LIBRARY)

EXISTING 1 STORY BRICK BLDG (KINDERGARDEN)

A.C. PAVING

SAND

FIBAR

SAND

NEW CONCRETE BIKE PATH SEE

NEW & EXISTING A.C. PAVING SEE

EXISTING DRIVEWAY

PARKING FOR 69 CARS (INCL. 3 ACCESSIBLE)

UNAUTHORIZED PARKING SIGN

JOIN EXISTING CONCRETE

BUS PICK UP AND DROP OFF

SWEEP CONC. WALK THRU EXISTING TREES SCARE AT EACH END

UNAUTHORIZED PARKING SIGN

NEW CONCRETE DRIVEWAY AND GUTTER

LEGEND FOR FIRE DEPARTMENT NOTES

20' WIDE CLEAR VEHICLE ACCESS FOR FIRE TRUCKS.

1 NON-CASE HARDENED PADLOCK AT FIRE DEPARTMENT GATE ACCESS.

2 PAINT CURB RED & MARK "NO PARKING".

CITY OF WESTMINSTER
FIRE PREVENTION BUREAU
WESTMINSTER FIRE DEPARTMENT
APPROVED
BY
MAR 2 1994

All permits or certificates issued under this code shall be issued subject to conditions that the person to whom the applicant, his agent and employees shall carry out the proposed activity in compliance with all the requirements of this Code and any other laws or regulations applicable thereto, whether specified herein or not and in complete accordance with the approved plans and specifications. Any permit or certificate issued which purports to sanction a violation of this Code or any applicable law or regulation shall be void and any approval of plans and specifications to the ... shall thereby be void.

RECEIVED
FIRE PREVENTION BUREAU
FEB 17 1994
CITY OF WESTMINSTER
REC'D BY

SITE PLAN

SCALE: 1" = 30'

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS 357 N. Sheridan Street, Suite 100, Corona, CA 91720
ARCHITECT

WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

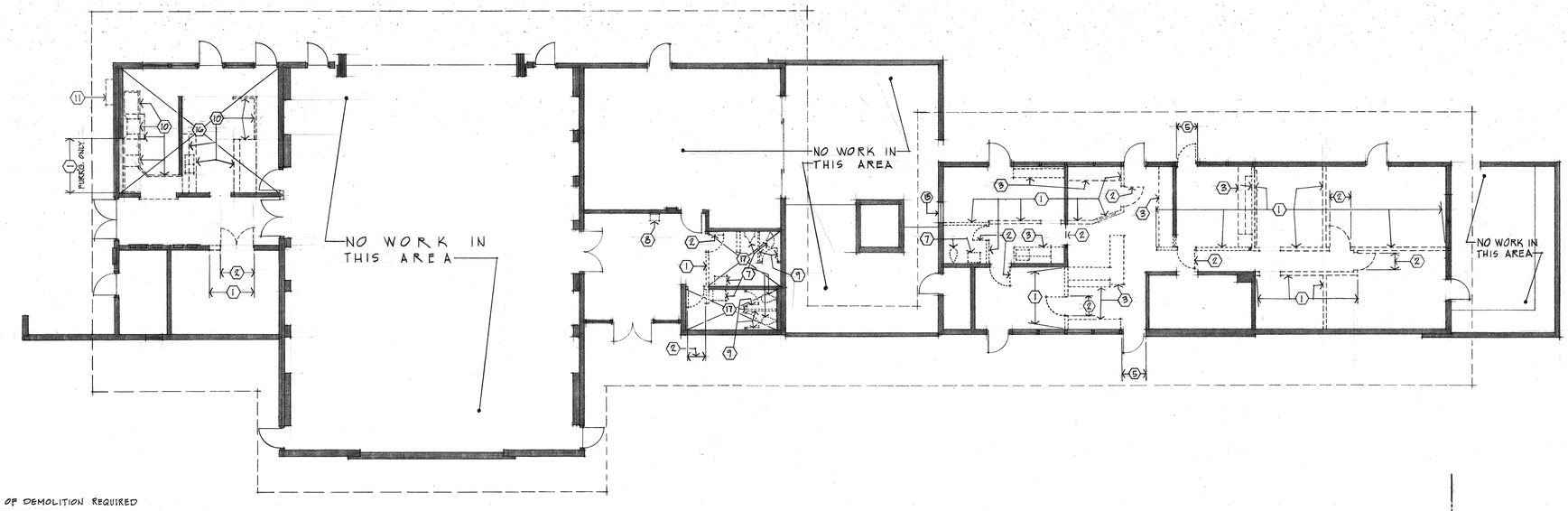
DATE 2/7/94
JOB NO. 93532
DRAWN JC
CHECKED JT

SHEET 1 OF 6

FIRE DEPARTMENT

A-1

DATE: $$DATE$$$$$$ TIME: $$TIME$$$$
DESIGN FILE: $$DGN$$$$$$



NOTE :

SEE MECHANICAL DRAWINGS FOR EXTENT OF DEMOLITION REQUIRED FOR NEW PLUMBING AND H.V.A.C. WORK.

DEMOLITION FLOOR PLAN ④ ⑥ A# 25452

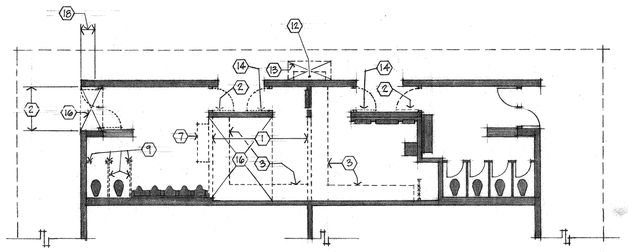
BUILDINGS "A" & "B"

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

NORTH

DEMOLITION NOTES :

1. REMOVE EXISTING WALL CONSTRUCTION AS REQUIRED FOR NEW CONSTRUCTION.
2. REMOVE EXISTING DOOR AND FRAME AS REQUIRED FOR NEW CONSTRUCTION. RETURN TO DISTRICT WAREHOUSE.
3. EXISTING CASEWORK, SHELVES, ETC. TO BE REMOVED AND RETURNED TO THE DISTRICT WAREHOUSE.
4. REMOVE EXISTING ACOUSTIC TILE AT CEILING SOFFITS, CEILINGS AND WALLS. PREPARE SURFACE FOR NEW ACOUSTIC TILE.
5. REMOVE EXISTING DOOR. PREPARE EXISTING DOOR FRAME FOR NEW CONSTRUCTION.
6. REMOVE EXISTING FLOOR TILE AND RUBBER TOPSET BASE. (EXCEPT RM. A-108)
7. REMOVE EXISTING PLUMBING FIXTURES
8. REMOVE EXISTING DRINKING FOUNTAIN AND CERAMIC TILE AT WAINSCOT. PREPARE FOR NEW HANDICAP ACCESSIBLE DRINKING FOUNTAIN AND CERAMIC TILE.
9. REMOVE EXISTING TOILET PARTITIONS
10. REMOVE EXISTING EQUIPMENT, COUNTERS, SINK TOPS, SINKS, METAL SHELVES AS REQUIRED FOR NEW WORK. CAP ALL PLUMBING IN WALLS AND/OR FLOORS.
11. REMOVE EXISTING DRINKING FOUNTAIN AND CAP PLUMBING AS REQUIRED.
12. REMOVE EXISTING DRINKING FOUNTAIN AND PREPARE FOR NEW HANDICAP ACCESSIBLE DRINKING FOUNTAIN
13. REMOVE EXISTING CONCRETE PAVING AS REQUIRED FOR NEW CONSTRUCTION.
14. REMOVE EXISTING DOOR ONLY, DOOR FRAME TO REMAIN
15. REMOVE EXISTING WINDOW AND FRAME AS REQUIRED FOR NEW CONSTRUCTION.
16. REMOVE EXISTING CONCRETE FLOOR SLAB AND/OR CURBS AS REQUIRED FOR NEW CONSTRUCTION
17. REMOVE EXISTING CERAMIC TILE AND 2" THICK SETTING BED. PREPARE SLAB FOR NEW CERAMIC TILE AND SETTING BED.
18. REMOVE 24" LONG SECTION OF EXISTING 9½" BRICK WALL. REMOVAL SHALL FOLLOW BRICK LAYING PATTERN.

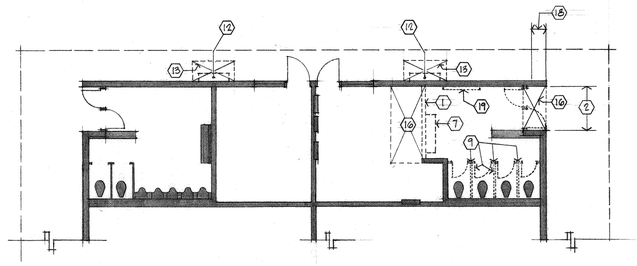


DEMOLITION FLOOR PLAN, A# 25452

BUILDING "E"

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

NORTH

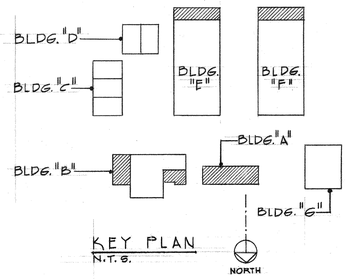


DEMOLITION FLOOR PLAN A# 25452

BUILDING "F"

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

NORTH



KEY PLAN

N.T.S.

NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 6 09 1 9
AC FLS 6.0-86 A.M.
DATE MAR 23 1994

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ARCHITECTS · ENGINEERS · PLANNERS
357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNCAN No. C-16345 REGISTERED 12-31-94 STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

DEMOLITION FLOOR PLANS - BUILDINGS "A", "B", "E" and "F"

DATE
JOB NO. 92531
DRAWN
CHECKED

SHEET OF

A-1

2-10-94

BRICK MASONRY NOTES

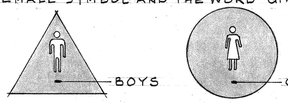
1. BRICK MASONRY WALLS TO BE LAID IN RUNNING BOND.
2. BRICK MASONRY PAVING TO BE LAID IN PATTERNS SHOWN ON PLANS.
3. BRICK MASONRY UNIT SIZES AND TYPES ARE AS FOLLOWS:
   MODULAR 3½" x 3" x 11½"
   PAVERS 1½" x 3½" x 11½"
4. SPECIAL UNITS ARE TO BE PROVIDED WHERE REQUIRED TO SUIT JOB CONDITIONS
5. GROUT JOINTS TO MATCH EXISTING WALLS

SIGN NOTES

AT ENTRANCES TO TOILET ROOMS PROVIDE THE FOLLOWING:

BOYS TOILET RM. E101 - ¼" THICK EQUALATERAL TRIANGLE W/ 12" SIDES AND VERTEX POINTING UPWARD, INSCRIBE W/ INTER-NATIONAL MALE SYMBOL AND THE WORD "BOYS".

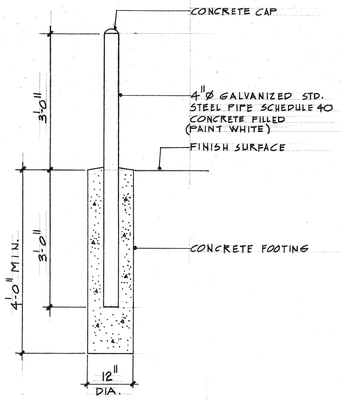
GIRLS TOILET RM F101 - ¼" THICK x 12" DIA. CIRCLE, INSCRIBE W/ INTERNATIONAL FEMALE SYMBOL AND THE WORD "GIRLS".



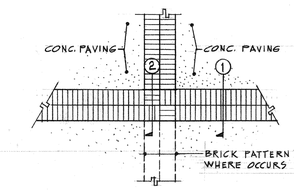
UNISEX TOILET RMS A105, B102 & B103 - ¼" THICK EQUALATERAL TRIANGLE, SUPERIMPOSED ON A ¼" THICK x 12" DIA. CIRCLE. INSCRIBE W/ INTER-NATIONAL FEMALE AND MALE SYMBOLS AND THE WORD "RESTROOM".



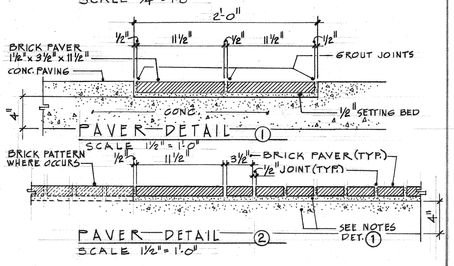
COLOR AS SELECTED BY THE ARCHITECT TO CONTRAST WITH DOOR COLOR. CENTER ON DOOR AT 60" ABOVE FINISH FLOOR TO CENTER-LINE OF SIGN.



GUARD POST — SCALE 3/4" = 1'-0" — A2/B



PLAN OF PAVER PATTERN
SCALE ¼" = 1'-0"



BRICK PAVER DETAIL — SCALE AS NOTED — A2/A

LEGEND :

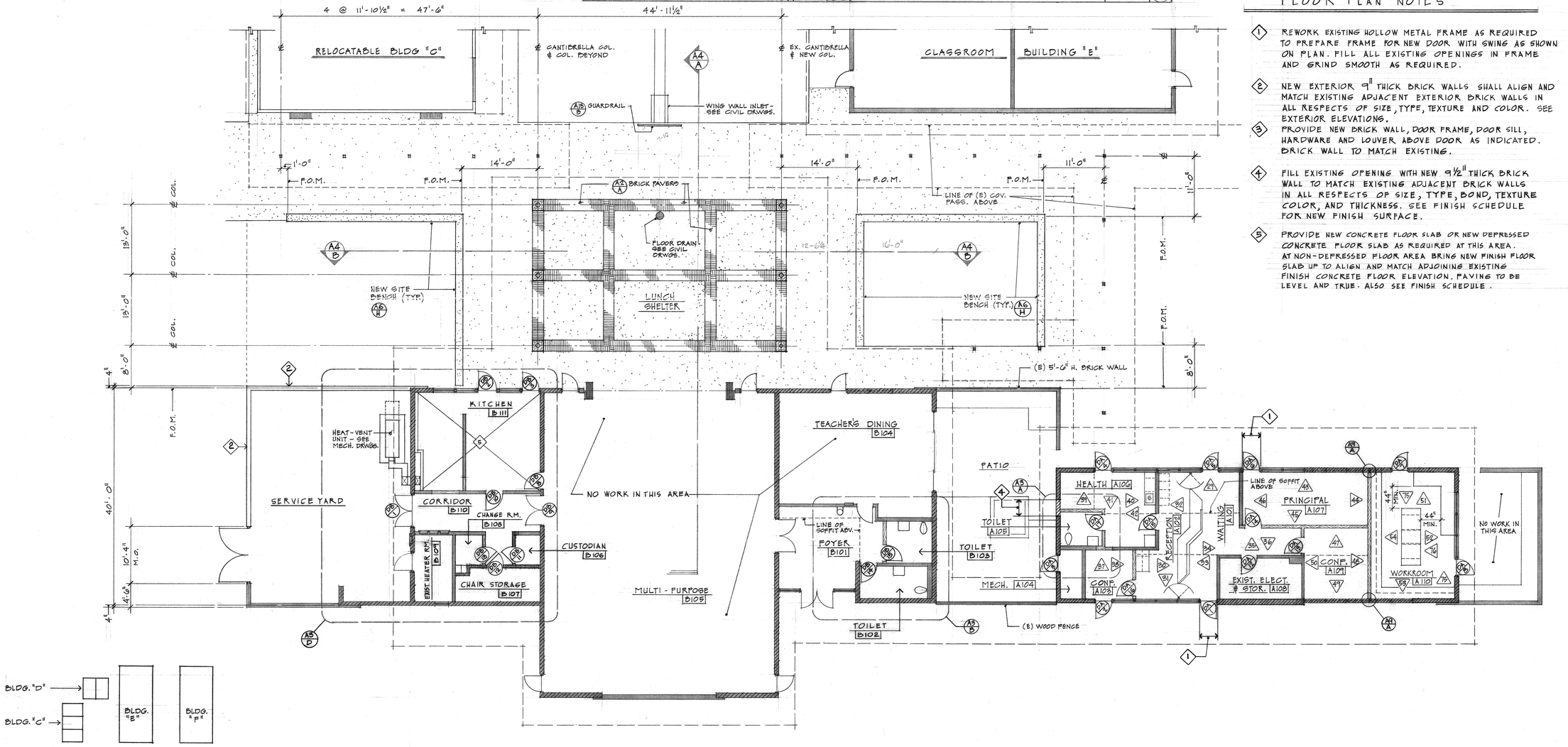
- EXISTING BRICK WALL
- EXISTING WOOD STUD WALL, CASEWORK, ETC.
- NEW BRICK WALL
- NEW WOOD STUD WALL.
- NEW 1-HOUR RATED WALL (DESIGN: UBC TABLE Nº 43-B, ITEM Nº 14-1.2)
- NEW CASEWORK, PLUMBING FIXTURE, ETC.

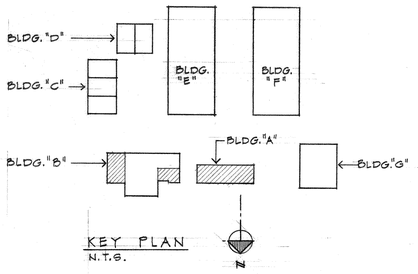
REFERENCE SYMBOLS

- A5/B — SHEET NUMBER / DETAIL DESIGNATION → DETAIL REFERENCE
- J/K — DOOR INDICATION / DOOR NUMBER → DOOR REFERENCE (SEE DOOR SCHEDULE)
- W6/A — WINDOW INDICATION / WINDOW NUMBER → WINDOW REFERENCE (SEE WINDOW SCHEDULE)
- 3 — INTERIOR ELEVATION NUMBER REFERENCE

FLOOR PLAN NOTES

1. REWORK EXISTING HOLLOW METAL FRAME AS REQUIRED TO PREPARE FRAME FOR NEW DOOR WITH SWING AS SHOWN ON PLAN. FILL ALL EXISTING OPENINGS IN FRAME AND GRIND SMOOTH AS REQUIRED.
2. NEW EXTERIOR 9" THICK BRICK WALLS SHALL ALIGN AND MATCH EXISTING ADJACENT EXTERIOR BRICK WALLS IN ALL RESPECTS OF SIZE, TYPE, TEXTURE AND COLOR. SEE EXTERIOR ELEVATIONS. PROVIDE NEW BRICK WALL, DOOR FRAME, DOOR SILL, HARDWARE AND LOUVER ABOVE DOOR AS INDICATED. BRICK WALL TO MATCH EXISTING.
3. FILL EXISTING OPENING WITH NEW 9½" THICK BRICK WALL TO MATCH EXISTING ADJACENT BRICK WALLS IN ALL RESPECTS OF SIZE, TYPE, BOND, TEXTURE COLOR, AND THICKNESS. SEE FINISH SCHEDULE FOR NEW FINISH SURFACE.
4. PROVIDE NEW CONCRETE FLOOR SLAB OR NEW DEPRESSED CONCRETE FLOOR SLAB AS REQUIRED AT THIS AREA. AT NON-DEPRESSED FLOOR AREA BRING NEW FINISH FLOOR SLAB UP TO ALIGN AND MATCH ADJOINING EXISTING FINISH CONCRETE FLOOR ELEVATION. PAVING TO BE LEVEL AND TRUE. ALSO SEE FINISH SCHEDULE.





KEY PLAN
N.T.S.

NORTH

FLOOR PLAN

MULTI-PURPOSE - BLDG "B" ADMINISTRATION - BLDG "A"

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC FLS 42.85 A.M.
DATE MAR 29 1994

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS
357 North Sheridan Street, Suite 100 Corona, California 91720

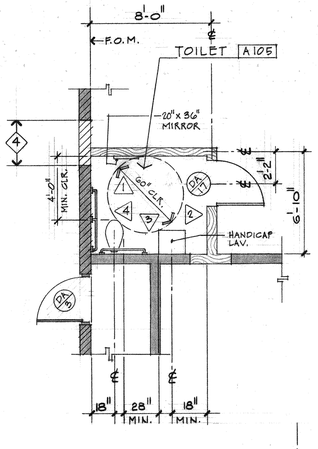
LICENSED ARCHITECT RICHARD D. DUNCAN No. 9318 STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

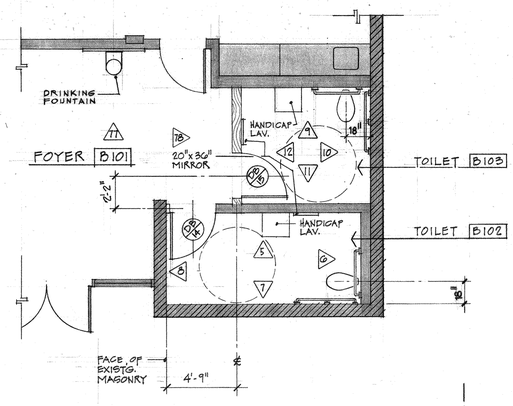
FLOOR PLANS: BUILDINGS "A" and "B" and NEW LUNCH SHELTER

DATE
JOB NO. 93531
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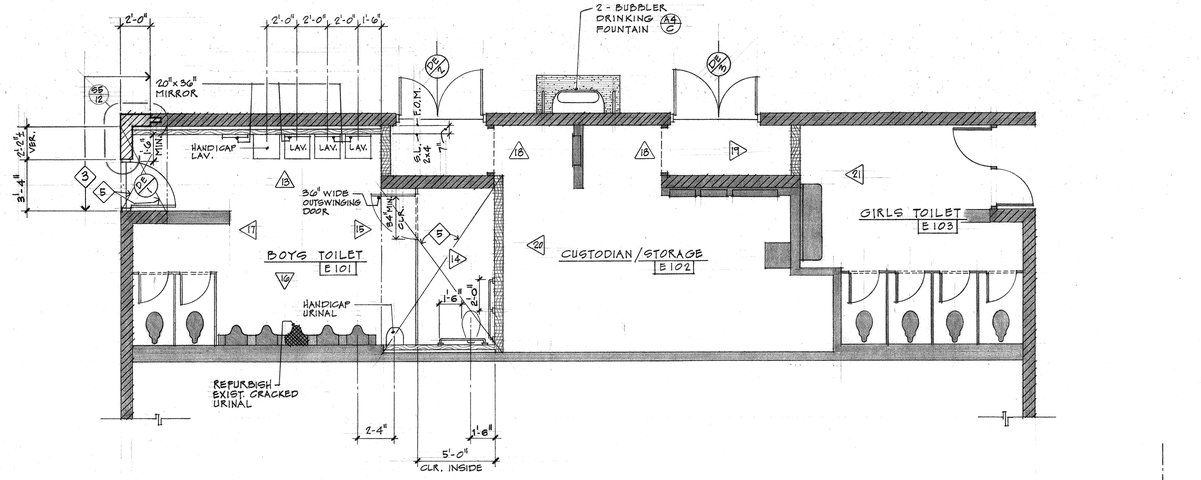
SHEET OF
A-2



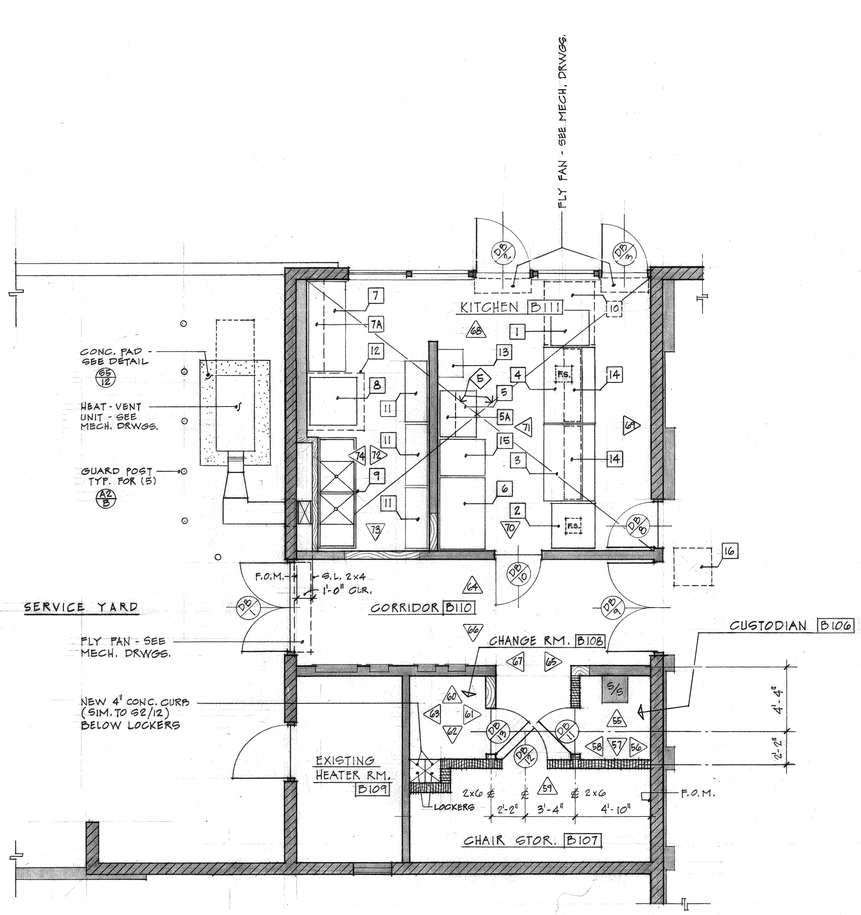
TOILET FLOOR PLAN - BLDG. "A" | SCALE 1/4"=1'-0" | A3/A



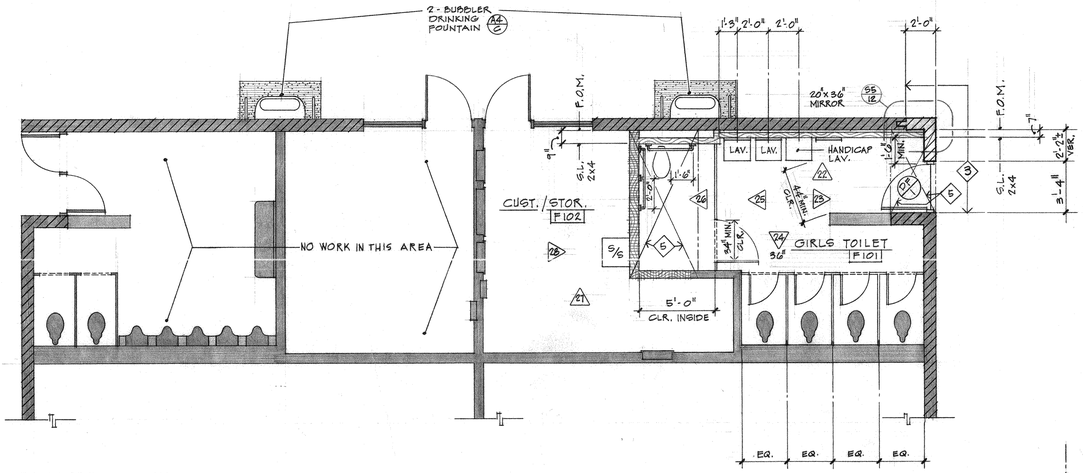
TOILET FLOOR PLAN - BLDG. "B" | SCALE 1/4"=1'-0" | A3/B



TOILET FLOOR PLAN - BUILDING "E" | SCALE 1/4"=1'-0" | A3/C



KITCHEN FLOOR PLAN | SCALE 1/4"=1'-0" | A3/C



NOTE:
REFER TO SHEET A-2 FOR "FLOOR PLAN NOTES" INDICATED THUS ◇

TOILET FLOOR PLAN - BUILDING "F" | SCALE 1/4"=1'-0" | A3/D

EQUIPTMENT SCHEDULE

ITEM	DESCRIPTION	REMARKS
1	UTILITY TRAY CART	
2	MILK DISPENSER	
3	HEATED SERVING COUNTER	SERVING COUNTER 34" MAX. A.F.F.
4	COLD SERVING COUNTER	" " 34" MAX. A.F.F.
5	UTILITY WORKTABLE 30" L.	
5A	WALL MOUNTED SHELF 14" w. x 30" L.	
6	REACH-IN REFRIGERATOR	
7	UTILITY WORKTABLE 72" L.	
7A	WALL MOUNTED SHELF 14" w. x 72" L.	
8	CONVECTION OVEN	
9	TWO COMPARTMENT SINK UNIT	
10	HEATED SERVING COUNTER	N.I.C.
11	DRY STORAGE SHELVING	
12	HOOD	SEE MECH. DRWGS.
13	HAND SINK	SEE MECH. DRWGS.
14	SNEEZEGUARD	
15	REACH-IN FREEZER	
16	CASHIER STAND	

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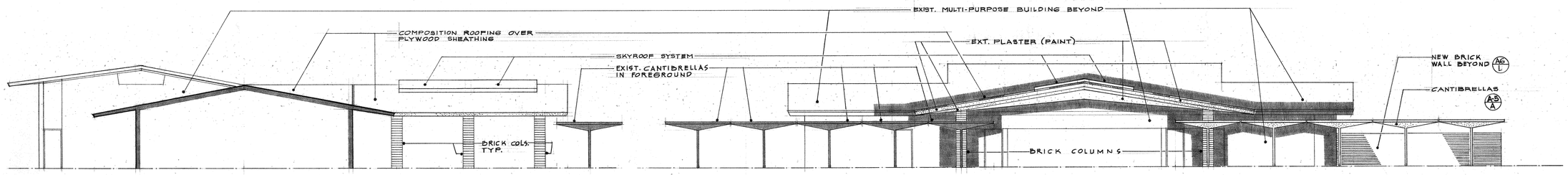
LICENSED ARCHITECT RICHARD D. DUNCAN No. 18,536 STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR: WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

1/4" KITCHEN & TOILET FLOOR PLANS

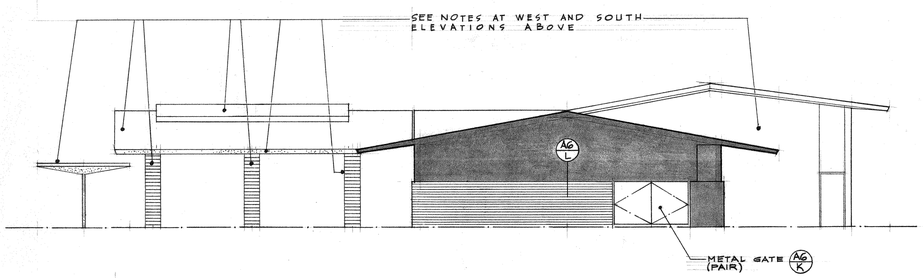
DATE
JOB NO 93531
DRAWN J.T. COOK
CHECKED

SHEET A-3 OF



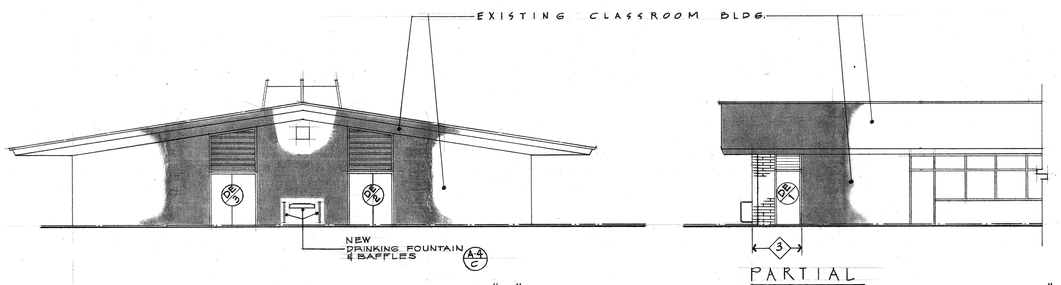
WEST ELEVATION - NEW LUNCH SHELTER

SCALE: 1/8" = 1'-0" (TYPICAL)



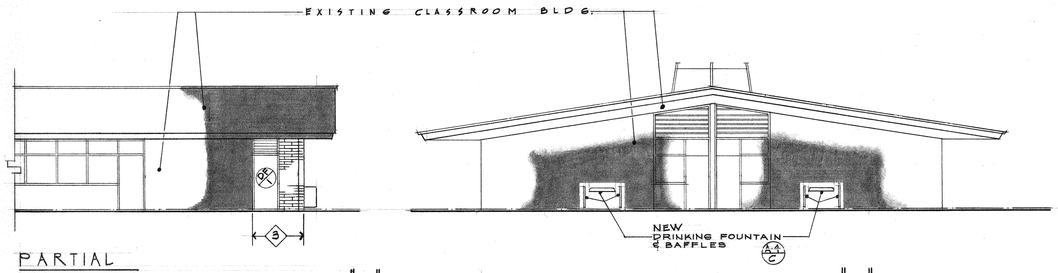
EAST ELEVATION - NEW LUNCH SHELTER

SOUTH ELEVATION - NEW LUNCH SHELTER/CANTIBRELLA



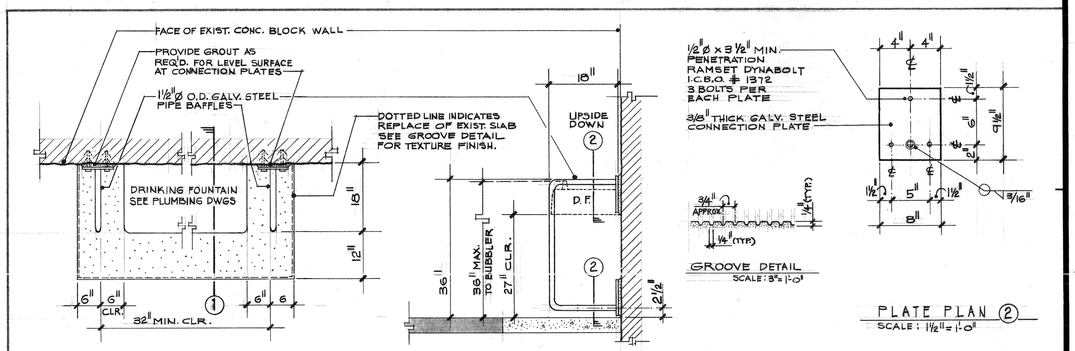
SOUTH ELEVATION - BLDG. "E"

PARTIAL EAST ELEVATION - BLDG. "E"



PARTIAL WEST ELEVATION - BLDG. "F"

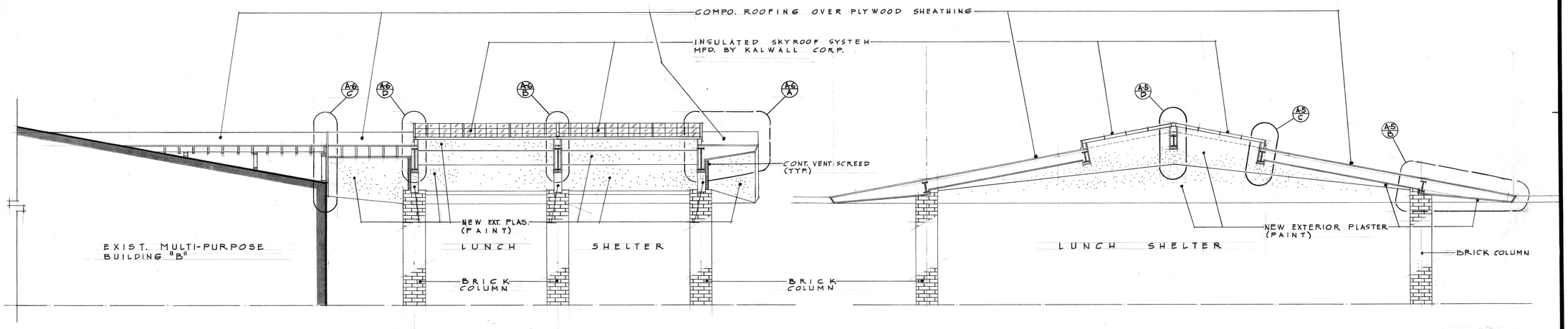
SOUTH ELEVATION - BLDG. "F"



PLAN VIEW
SCALE: 3/4" = 1'-0"

ELEVATION 1
SCALE: 3/4" = 1'-0"

DRINKING FOUNTAIN & BAFFLES — SCALE NOTED A-4 C



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

SECTION A-4 B
SCALE: 1/4" = 1'-0"

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LICENSED ARCHITECT RICHARD D. DUNCAN Exp. 6-30-96 STATE OF CALIFORNIA

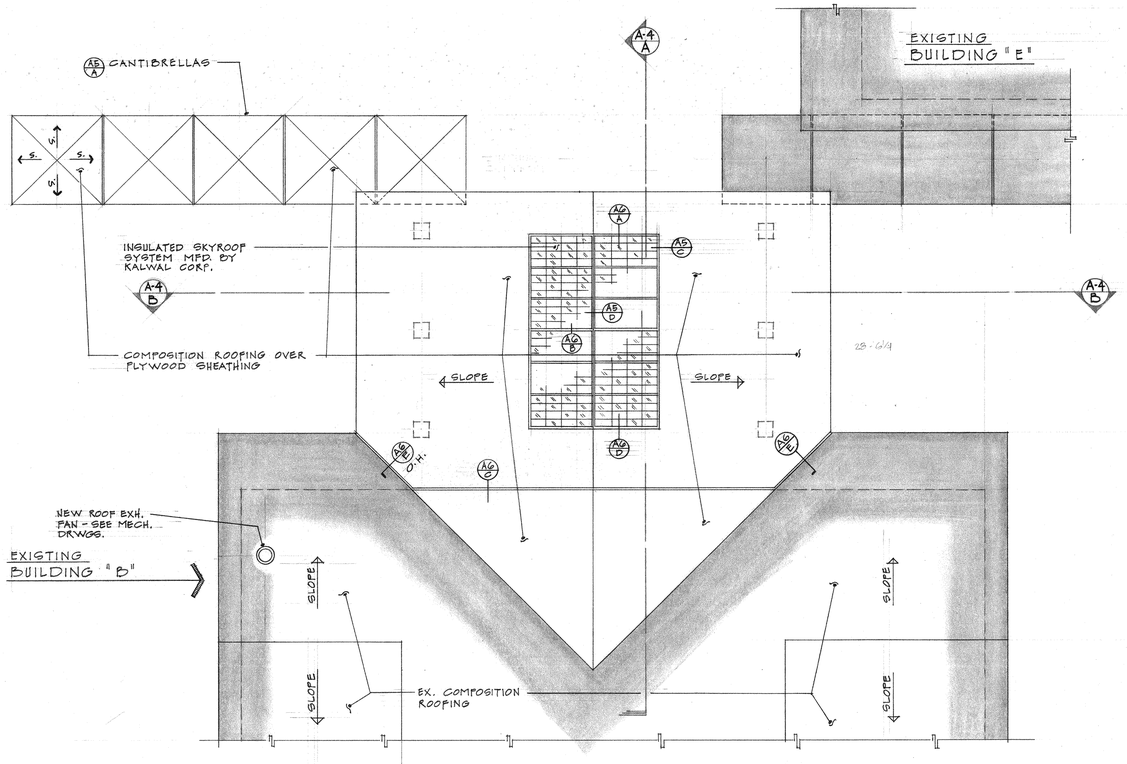
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

DATE
JOB NO. 93531
DRAWN
CHECKED

EXTERIOR ELEVATIONS & SECTIONS

SHEET OF

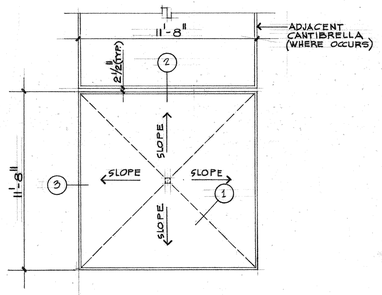
A-4



ROOF PLAN

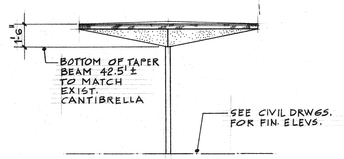
SCALE : 1/8" = 1'-0"

NORTH



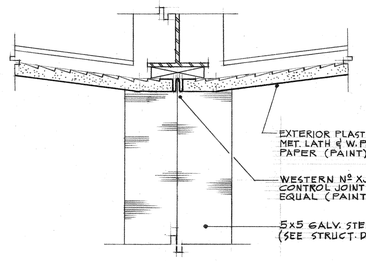
ROOF PLAN

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



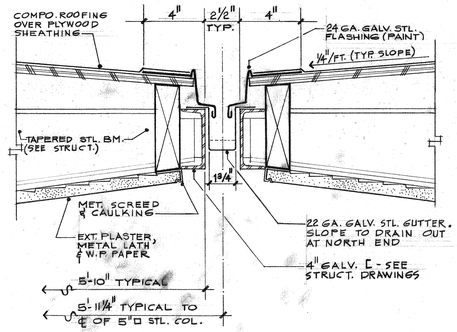
ELEVATION

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



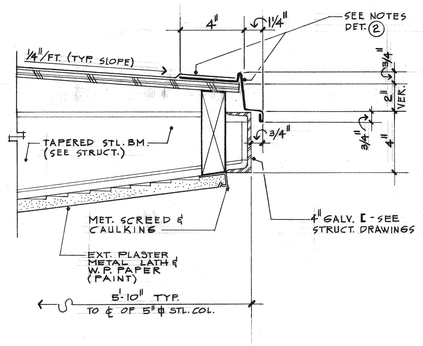
PLASTER SCREED @ CANTIBRELLA COL. (1)

SCALE : 3"=1'-0"



TYP GUTTER BETWEEN CANTIBRELLAS (2)

SCALE : 3"=1'-0"

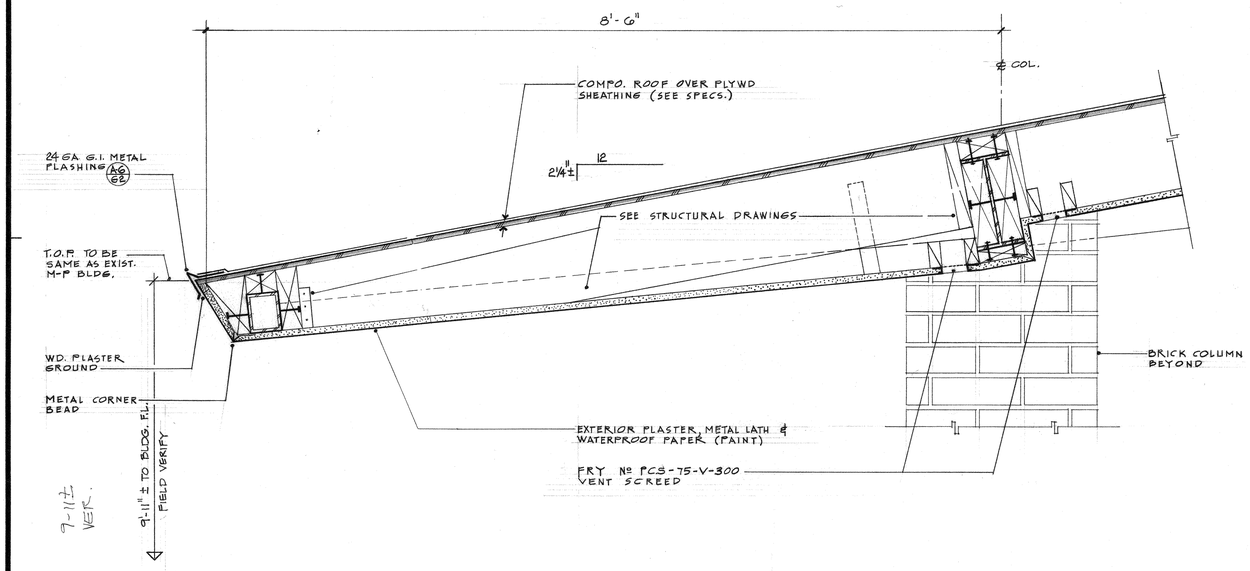


TYP. EAVE @ CANTIBRELLA (3)

SCALE : 3"=1'-0"

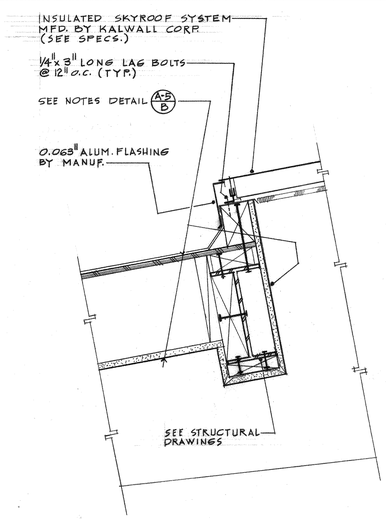
CANTIBRELLA

SCALE AS NOTED A5 A



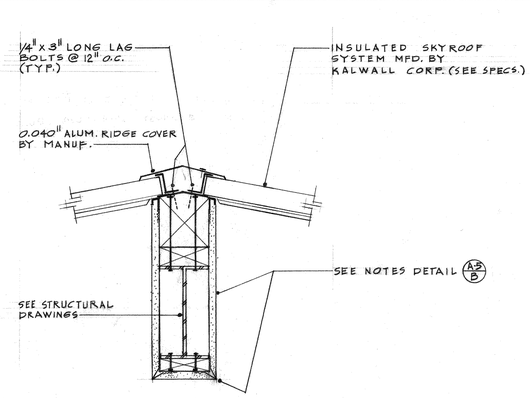
DETAIL

SCALE 1½"=1'-0" A-5 B



DETAIL

SCALE 1½"=1'-0" A-5 C



DETAIL

SCALE 1½"=1'-0" A-5 D

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LICENSED ARCHITECT RICHARD D. DAVIS No. 9242 STATE OF CALIFORNIA

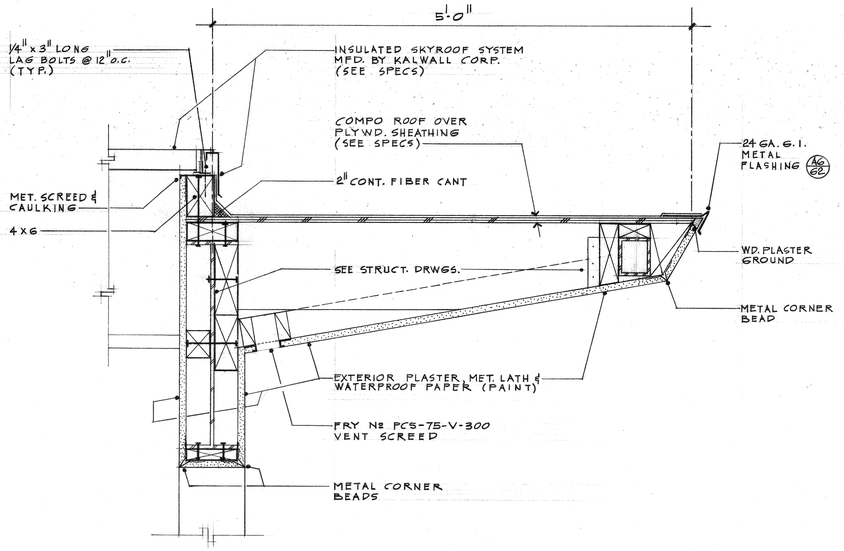
ADDITION & ALTERATIONS FOR: WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ROOF PLAN

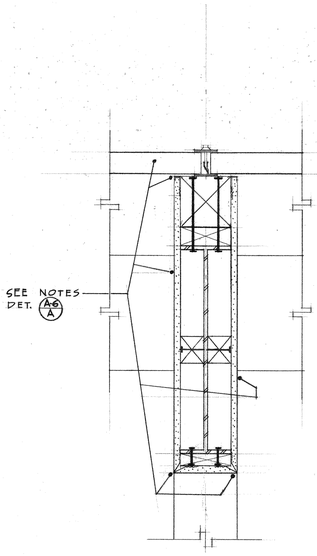
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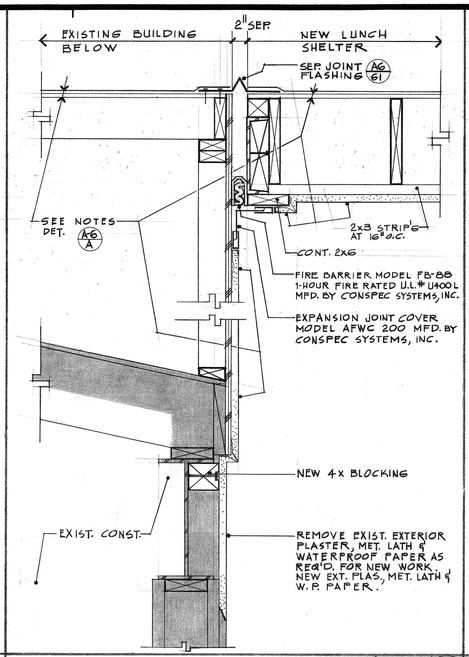
A-5



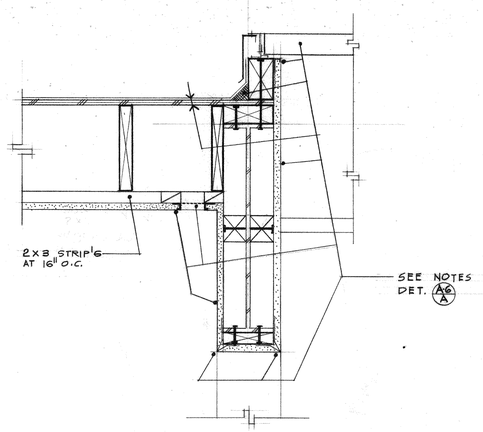
DETAIL — SCALE 1½" = 1'-0" — A-6 / A



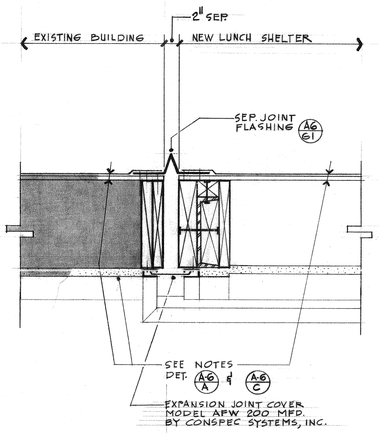
DETAIL — SCALE 1½" = 1'-0" — A-6 / B



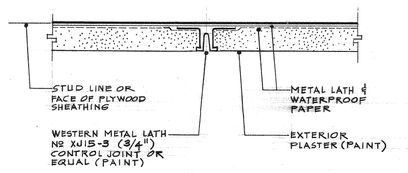
DETAIL — SCALE 1½" = 1'-0" — A-6 / C



DETAIL — SCALE 1½" = 1'-0" — A-6 / D

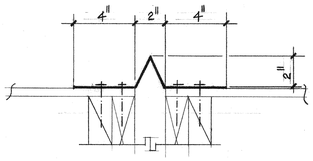


DETAIL — SCALE 1½" = 1'-0" — A-6 / E

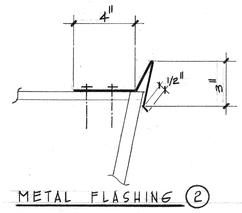


EXPANSION CONTROL JOINT — SCALE 1½" = 1'-0" — A-6 / F

NOTE: ALL METAL FLASHING SHALL BE 24GA. G.I. AND PAINTED. SECURE W/ NAILS

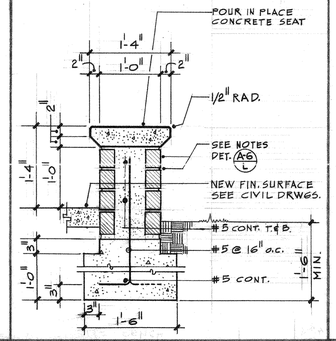


SEPARATION FLASHING (1)

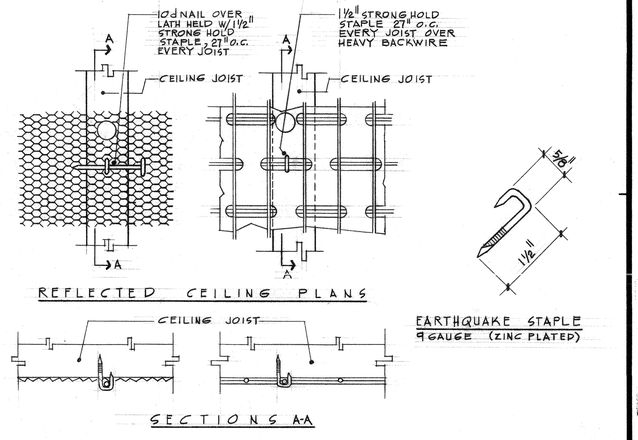


METAL FLASHING (2)

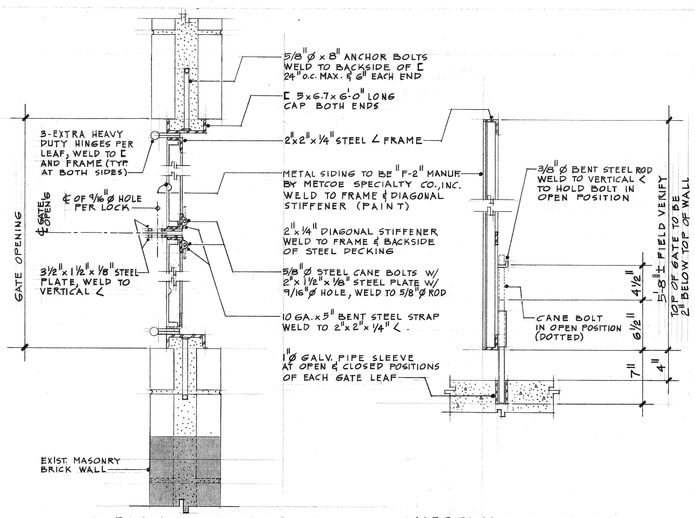
FLASHING DETAILS — SCALE 3" = 1'-0" — A-6 / G



SITE BENCH — SCALE 1" = 1'-0" — A-6 / H



HORIZONTAL LATH NAILING — SCALE NONE — A-6 / U

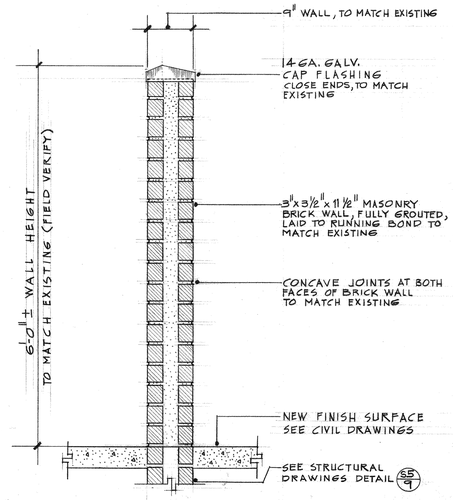


PLAN SECTION — SCALE: 1½" = 1'-0"

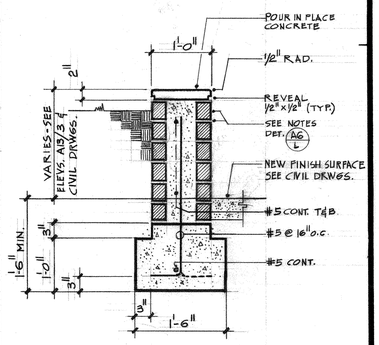
VERTICAL SECTION — SCALE: 1½" = 1'-0"

ELEVATION — SCALE: ½" = 1'-0"

METAL GATE DETAILS — SCALE AS NOTED — A-6 / K



MASONRY BRICK WALL — SCALE 1" = 1'-0" — A-6 / L



MASONRY RETAINING WALL — SCALE 1" = 1'-0" — A-6 / M

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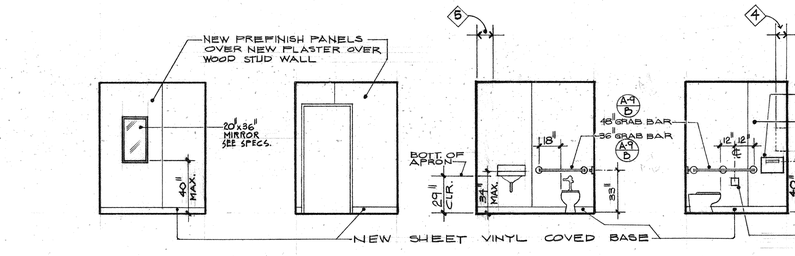
LICENSED ARCHITECT RICHARD D. DUNCAN STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR: WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

EXTERIOR DETAILS

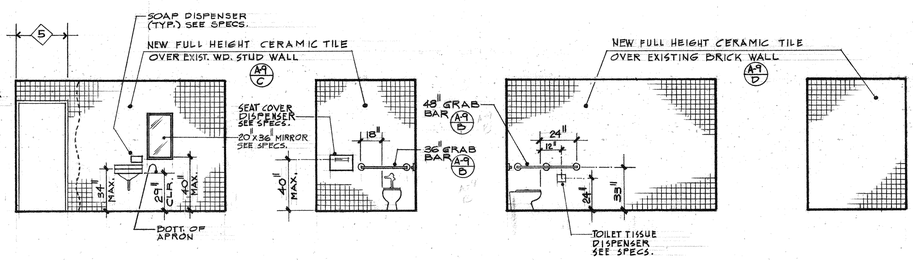
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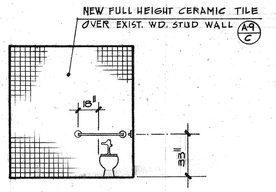
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TOILET



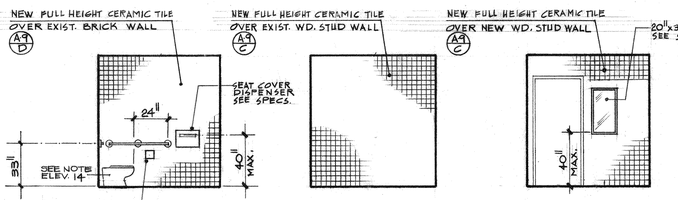
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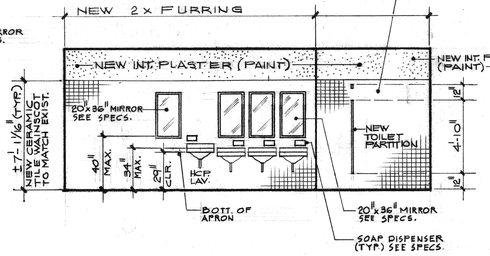
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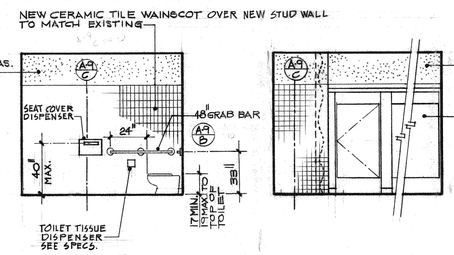
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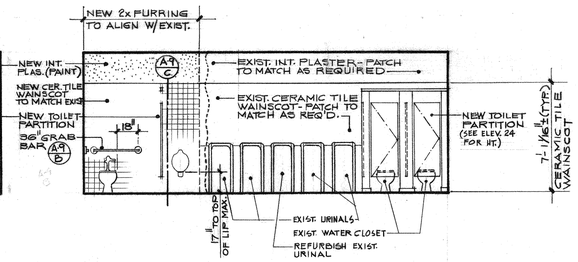
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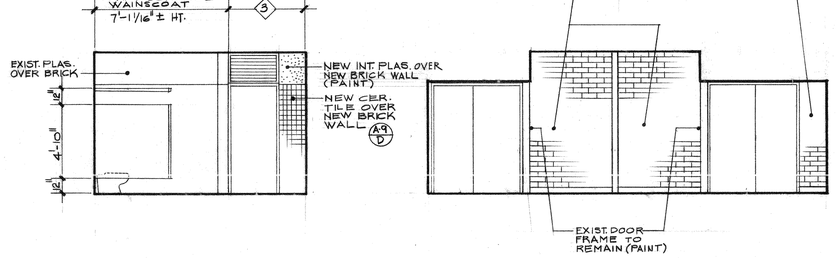
13 14 15

BOYS TOILET





16 E 101

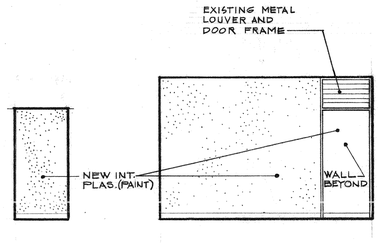


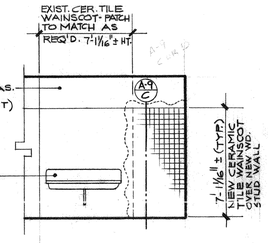
17 E 101

BOYS TOILET

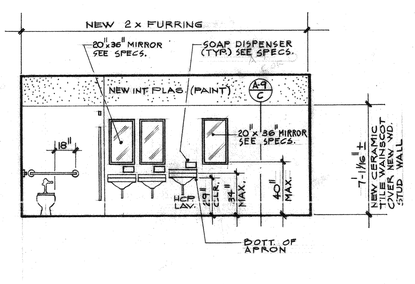
18 19 20 E 102

CUSTODIAN/STORAGE



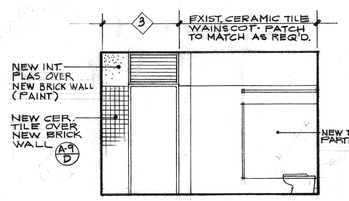


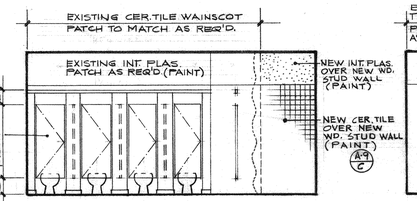
21 E 103

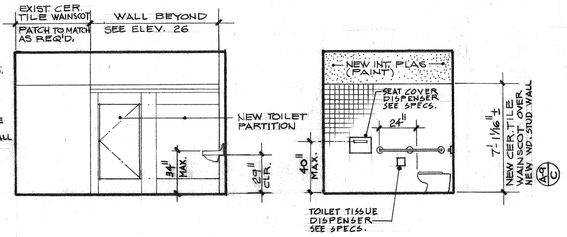


22 F 101

GIRLS TOILET

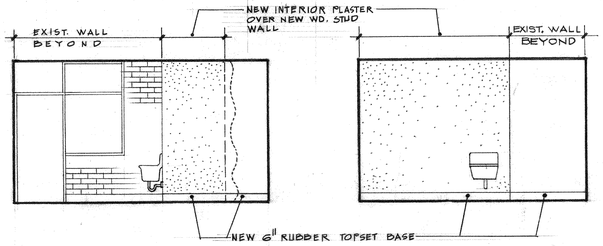






23 24 25 26 F 101

GIRLS TOILET



27 28 F 102

CUSTODIAN/STORAGE

29 30 31 32

RECEPTION

33 A 102

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 6 09 18
AC FLR 6.0 98 A.M.
DATE MAR 23 1994

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS
357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNCAN 9340 CALIFORNIA

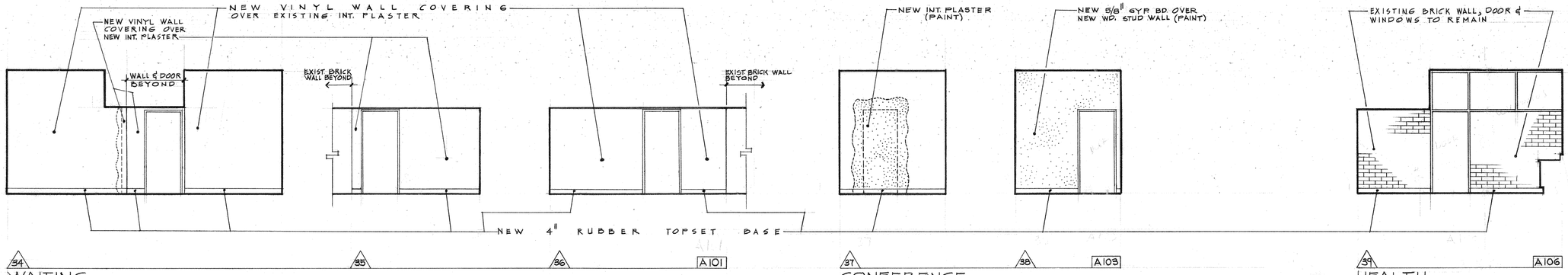
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL DISTRICT
WESTMINSTER SCHOOL
WESTMINSTER, CALIFORNIA

INTERIOR ELEVATIONS 1 THRU 33

DATE
JOB NO. 93591
DRAWN
CHECKED

SHEET OF

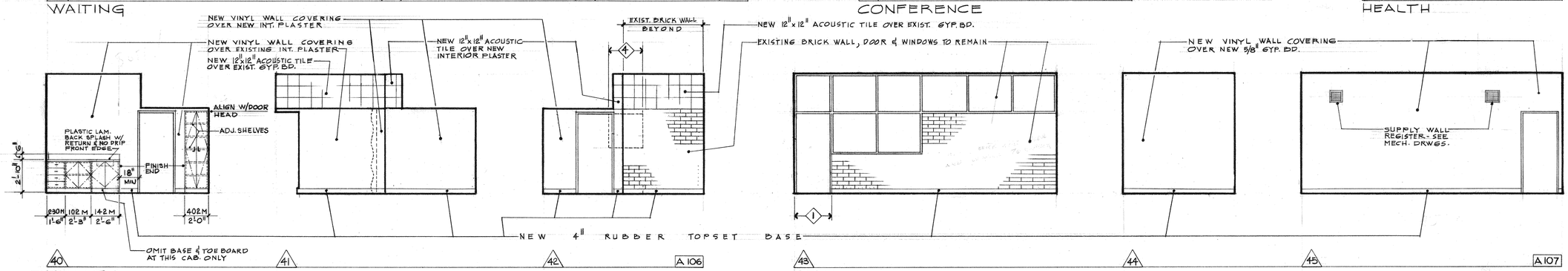
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WAITING

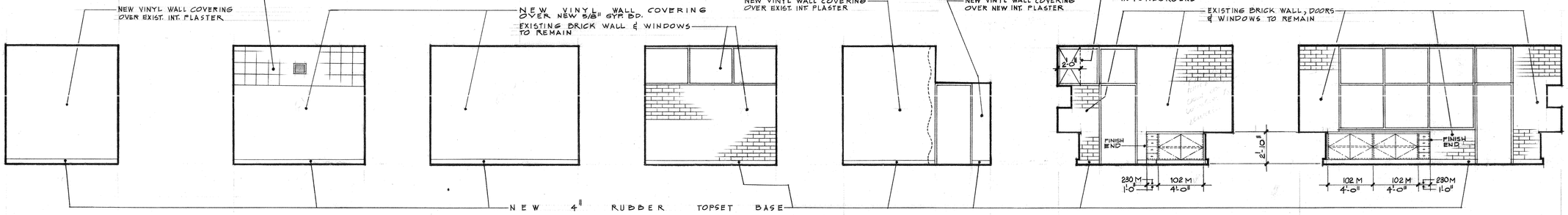
CONFERENCE

HEALTH



HEALTH

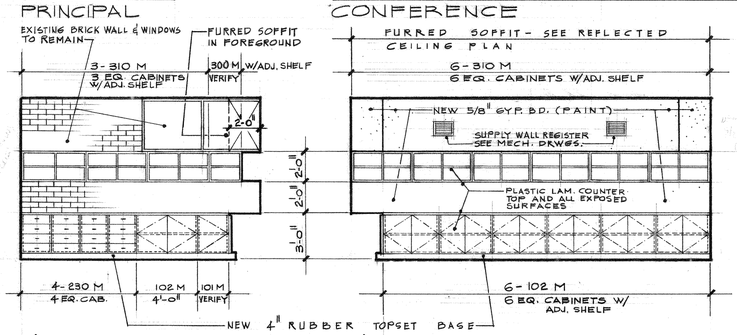
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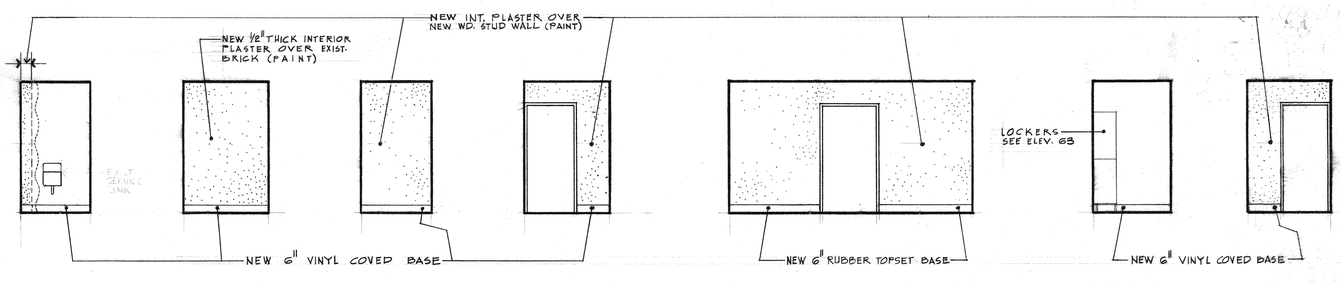
PRINCIPAL

CONFERENCE

WORKROOM



WORKROOM



CUSTODIAN

CHAIR STORAGE

CHANGE ROOM

NOTE

(1) REFER TO FLOOR PLAN NOTES ON SHEET A-2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC PLUMB. 96 A.M
DATE MAR 23 1994

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357 North Sheridan Street, Suite 101 Corona, California 91720

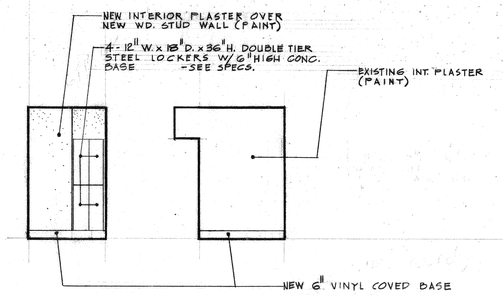
LICENSED ARCHITECT RICHARD D. DUNCAN STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL DISTRICT
WESTMINSTER SCHOOL
WESTMINSTER, CALIFORNIA

INTERIOR ELEVATIONS 34 THRU 61

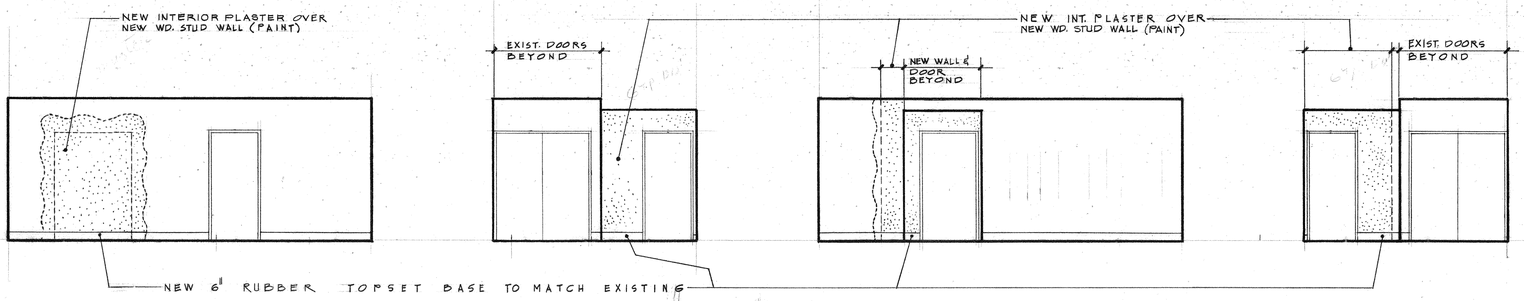
DATE
JOB NO. 93531
DRAWN
CHECKED

SHEET OF
A-63



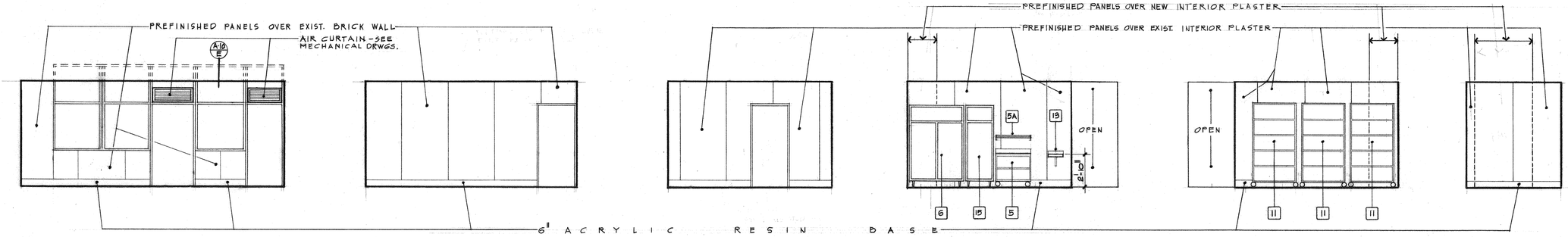
62 63 B108

CHANGE ROOM



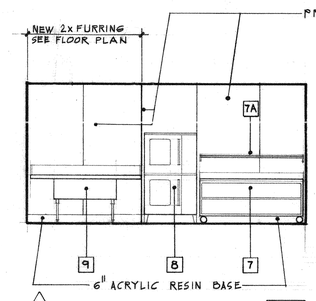
64 65 66 67 B110

CORRIDOR



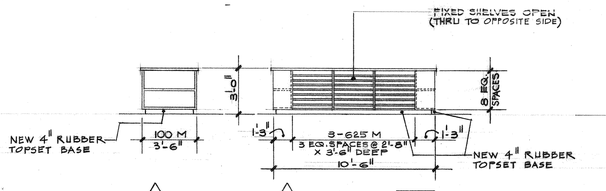
68 69 70 71 72 73 B111

KITCHEN



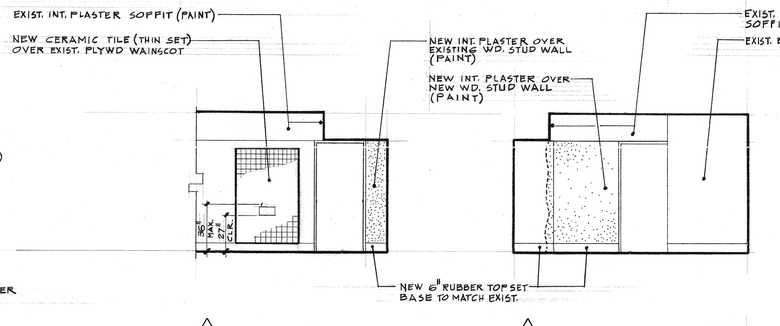
74 B 111

KITCHEN



75 76 A110

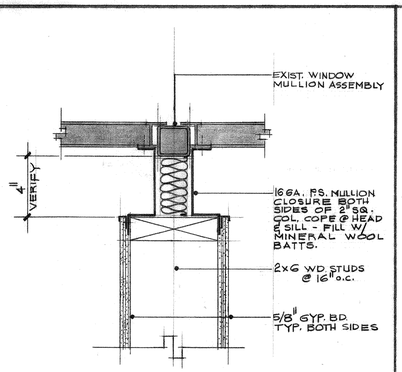
WORKROOM (CENTER TABLE)



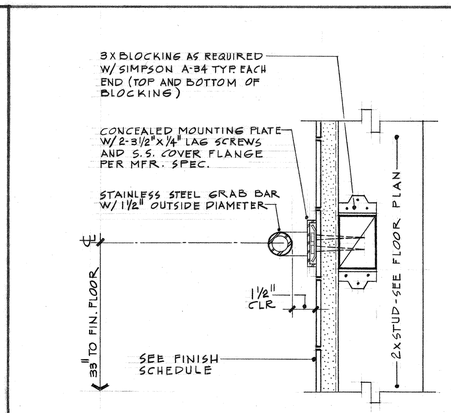
77 78 B101

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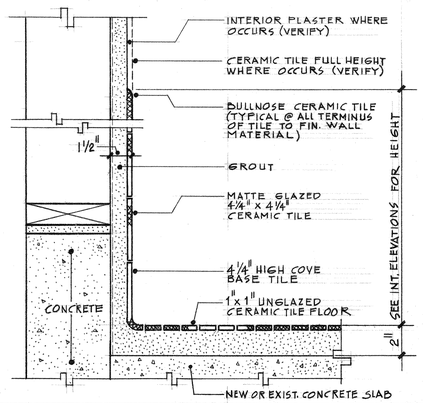
IDENTIFICATION STAMP
CITY OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 07 18
AC FLR 20 68 R.M.
DATE MAR 29 1994



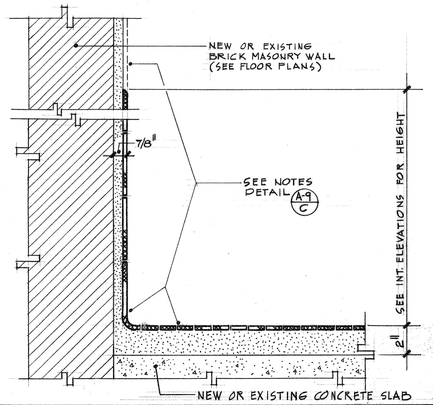
MULLION — SCALE 3"=1'-0" — A9 A



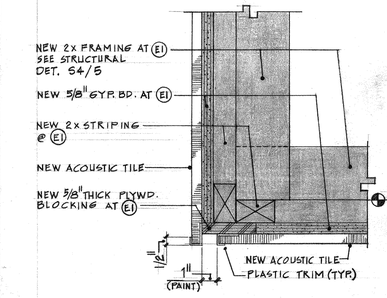
SECTION THRU GRAB BAR — SCALE 3"=1'-0" — A9 B



CERAMIC TILE WAINSCOT / WALL — SCALE 3"=1'-0" — A9 C



CERAMIC TILE WAINSCOT / WALL — SCALE 3"=1'-0" — A9 D



TYP. ACOUSTIC TILE SOFFIT — SCALE 3"=1'-0" — A9 E1 — A9 E

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357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNCAN Reg. No. C-13706 STATE OF CALIFORNIA

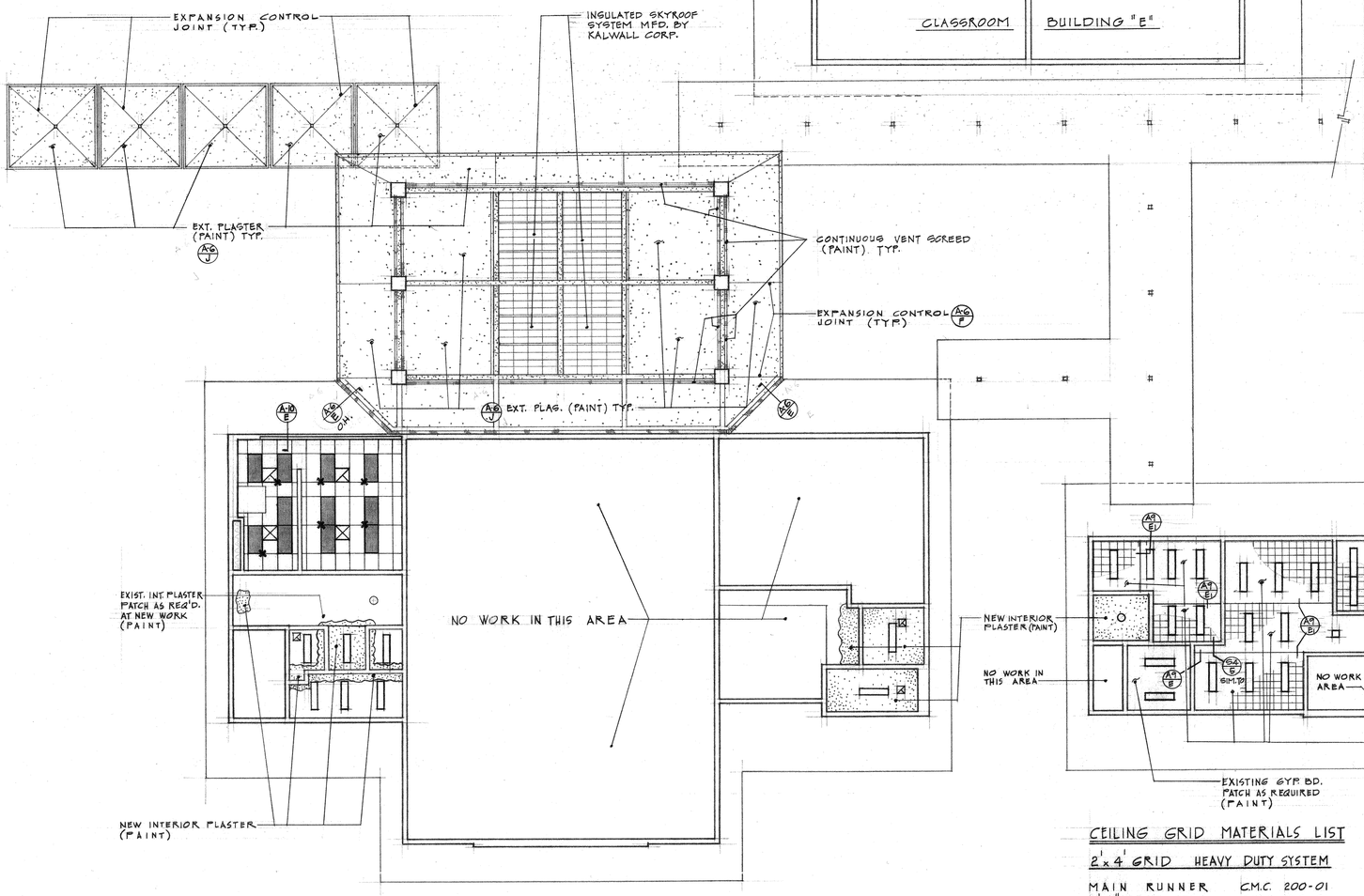
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

INTERIOR ELEVATIONS 62 THRU 78 & DETAILS

DATE
JOB NO. 93531
DRAWN
CHECKED

SHEET OF

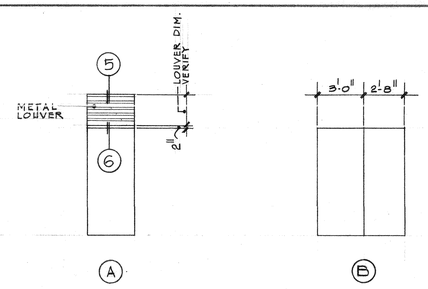
A-9


EXPANSION CONTROL JOINT (TYP.)
INSULATED SKYROOF SYSTEM MFD. BY KALWALL CORP.
CLASSROOM
BUILDING "E"
EXT. PLASTER (PAINT) TYP.
A-6 J
CONTINUOUS VENT SCREED (PAINT) TYP.
EXPANSION CONTROL A-6 F
A-6 J EXT. PLAS. (PAINT) TYP.
A-10 E
A-6 J
A-6 F
EXIST. INT. PLASTER PATCH AS REQ'D. AT NEW WORK (PAINT)
NO WORK IN THIS AREA
NEW INTERIOR PLASTER (PAINT)
NEW INTERIOR PLASTER (PAINT)
NO WORK IN THIS AREA
A-9 E1
A-9 E1
A-9 E1

DOOR SCHEDULE

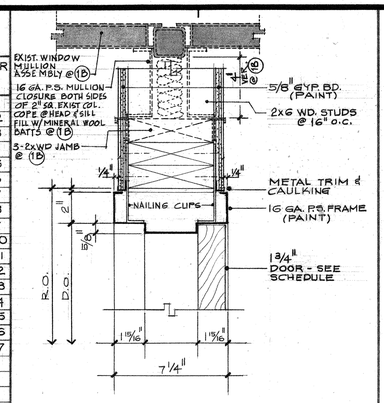
BLDG.	DOOR Nº	LOCATION	ROOM Nº	DOOR OPENING	DOOR MAT'L	DOOR THK.	FRAME MAT'L	DOOR TYPE	DETAILS HEAD	DETAILS JAMB	DETAILS MULLION	DETAILS TRANSOM	DETAILS SILL	LABEL ASSEMBLY	REMARKS	DOOR Nº
	DA 1	WAITING	A 101	3'-0" x 7'-0"	SCW *	1 3/4"	P.S.*	C	←	EXISTING				→	* NEW DOOR & HARDWARE IN EXIST. FRAME	DA 1
	DA 2	CONFERENCE	A 103	* 3'-0" x 7'-0"	←		EXISTING							→	* NEW HARDWARE - SEE SPECS.	DA 2
	DA 3	MECHANICAL	A 104	3'-0" x 7'-0"	←		"	"	"	"				→		DA 3
	DA 4	HEALTH	A 106	* 3'-0" x 7'-0"	←		"	"	"	"				→	* NEW HARDWARE - SEE SPECS.	DA 4
	DA 5	WAITING	A 101	* 3'-0" x 7'-0"	←		"	"	"	"				→	* NEW HARDWARE - SEE SPECS.	DA 5
	DA 6	PRINCIPAL	A 107	3'-0" x 7'-0"	SCW *	1 3/4"	P.S.*	C	←	EXISTING				→	* NEW DOOR & HARDWARE IN EXIST. FRAME	DA 6
	DA 7	WORKROOM	A 110	* 3'-0" x 7'-0"	←		EXISTING							→	* NEW HARDWARE - SEE SPECS.	DA 7
	DA 8	WORKROOM	A 110	* 3'-0" x 7'-0"	←		"	"	"	"				→	* NEW HARDWARE - SEE SPECS.	DA 8
	DA 9	OMITTED													OMITTED	DA 9
	DA 10	" "													"	DA 10
	DA 11	" "													"	DA 11
	DA 12	EXIST. ELECT. & STORAGE	A 108	3'-0" x 7'-0"	←		EXISTING							→	* NEW HARDWARE - SEE SPECS.	DA 12
	DA 13	CONFERENCE	A 109	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	7	11	—	—	—	—		DA 13
	DA 14	PRINCIPAL	A 107	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	7A	1	—	—	—	—		DA 14
	DA 15	RECEPTION	A 102	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	9	10	—	—	—	—	20" x 8" METAL LOUVER	DA 15
	DA 16	RECEPTION	A 102	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	1A	1A 1B	—	—	—	—	12" x 6" METAL LOUVER	DA 16
	DA 17	TOILET	A 105	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	11	11	—	—	—	—	UNDERCUT 3/4"	DA 17
	DB 1	CORRIDOR	B 110	PR. 6'-0" x 7'-0"	←		EXISTING							→		DB 1
	DB 2	KITCHEN	B 111	* 3'-6" x 7'-0"	←		"	"	"	"	"			→	* NEW HARDWARE - SEE SPECS.	DB 2
	DB 3	KITCHEN	B 111	* 3'-6" x 7'-0"	←		"	"	"	"	"			→	* NEW HARDWARE - SEE SPECS.	DB 3
	DB 4	OMITTED													OMITTED	DB 4
	DB 5	" " "													"	DB 5
	DB 6	" " "													"	DB 6
	DB 7	" " "														DB 7
	DB 8	KITCHEN	B 111	* 3'-0" x 7'-0"	←		EXISTING							→	* NEW HARDWARE - SEE SPECS.	DB 8
	DB 9	CORRIDOR	B 110	PR. 6'-0" x 7'-0"	←		"	"	"	"				→		DB 9
	DB 10	CORRIDOR	B 110	3'-0" x 7'-0"	←		"	"	"	"				→		DB 10
	DB 11	CUSTODIAN	B 106	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	11	11	—	—	8B	"C" - 3/4 HOUR		DB 11
	DB 12	CHAIR STOR.	B 107	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	11	11	—	—	—	"C" - 3/4 HOUR		DB 12
	DB 13	CHANGE ROOM	B 108	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	11	11	—	—	8B			DB 13
	DB 14	TOILET	B 102	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	2	2 & 12	—	—	8A	—		DB 14
	DB 15	TOILET	B 103	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	C	2	2	—	—	8A	—		DB 15
	DE 1	BOYS TOILET	E 101	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	A	5	5	—	6	4B			DE 1
	DE 2	CUSTODIAN/STORAGE	E 102	PR. 5'-8" x 7'-0" *	SCW	1 3/4"	P.S.	B	3	3	—	—	4A		* DOOR SIZE VARIES - SEE DOOR TYPES	DE 2
	DE 3	CUSTODIAN/STORAGE	E 10	PR. 5'-8" x 7'-0" *	SCW	1 3/4"	P.S.	B	3	3	—	—	4A		* " " " " " "	DE 3
	DF 1	GIRLS TOILET	F 101	3'-0" x 7'-0"	SCW	1 3/4"	P.S.	A	5	5	—	6	4B			DF 1

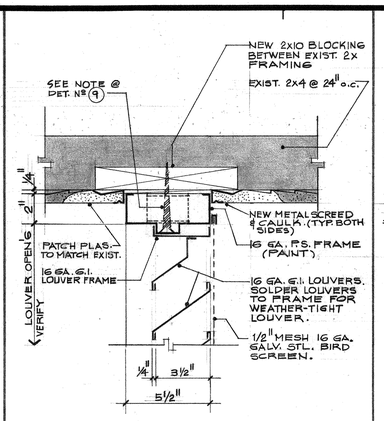
DOOR TYPES

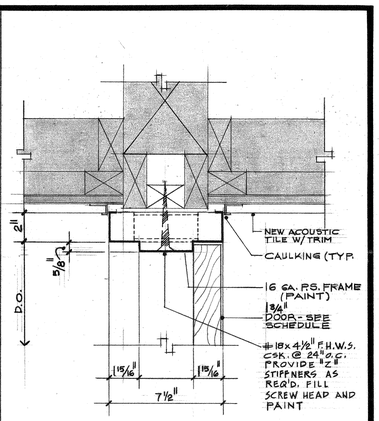


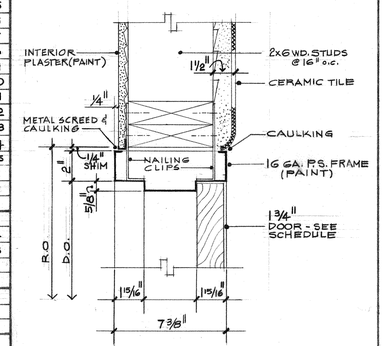
DOOR NOTES

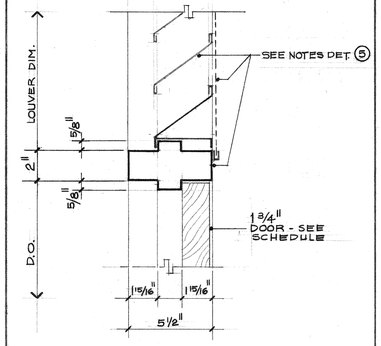
1. ALL WOOD DOORS TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE. (U.N.O.).
2. ALL WOOD DOORS ARE TO BE PAINT GRADE BIRCH.
3. SEE STRUCTURAL DRAWINGS FOR LINTELS WHERE OCCUR.
4. STANDARD ANCHOR BOLTS, CLIPS, SCREWS, ETC, ARE TO BE SUPPLIED WITH HOLLOW METAL/STEEL SECTIONS TO SUIT BUILDING CONSTRUCTION.
5. REINFORCE FRAMES AS REQUIRED FOR HARDWARE.
6. LOUVERS IN DOORS WHERE SCHEDULED ARE TO BE "AIR-O-LITE" OR APPROVED EQUAL AND SHALL BE INSTALLED WITH VANDAL PROOF SCREWS.
7. ALL DOOR SWINGS SHOWN ON DOOR DETAILS SHALL BE CHECKED TO CONFORM WITH FLOOR PLANS. DOOR SWINGS SHALL BE MINIMUM OF 90 DEGREES AND A MAXIMUM OF 180 DEGREES.
8. ALL DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
9. DOOR TYPES ARE DRAWN AT 1/4" = 1'-0" SCALE (U.N.O).
10. DOOR DETAILS ARE DRAWN @ SCALE 3" = 1'-0" (U.N.O.).
11. ADJUST ADJUSTABLE DOOR CLOSERS TO A MAXIMUM OPENING PRESSURE OF 8.5 lbs. FOR EXTERIOR DOORS AND 5 lbs. FOR INTERIOR DOORS.
12. PRESSED STEEL FRAMES AS MFD. BY KREIGER STEEL PRODUCTS CO., OR EQUAL. ALL STEEL FRAMES ARE TO BE PAINTED.

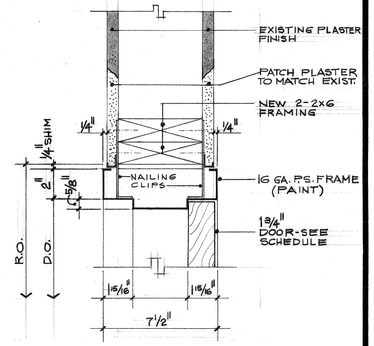


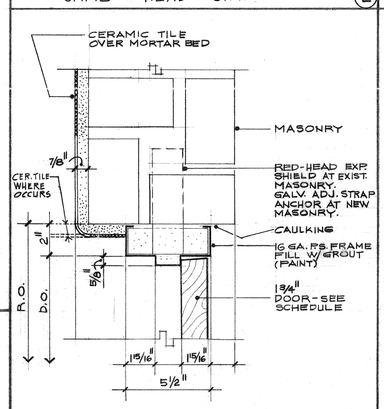


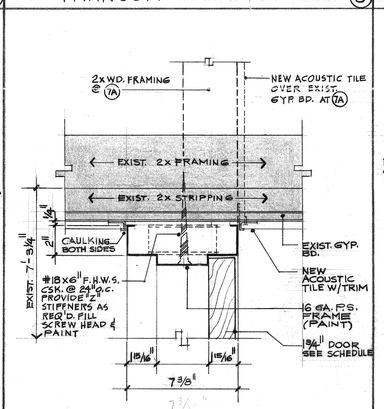


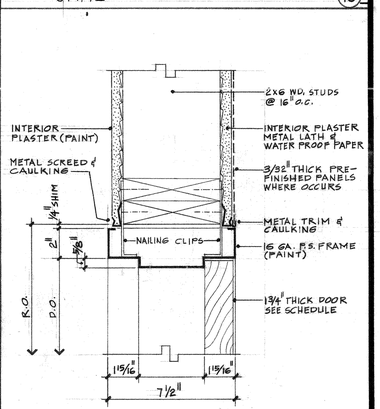


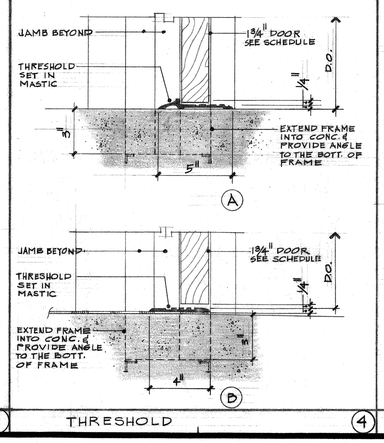


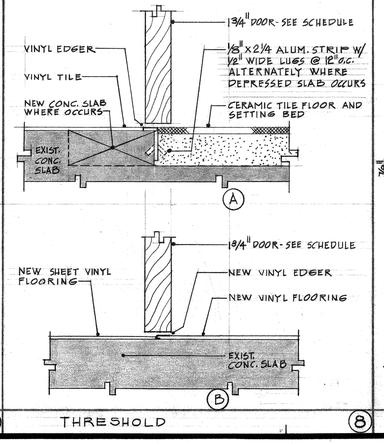


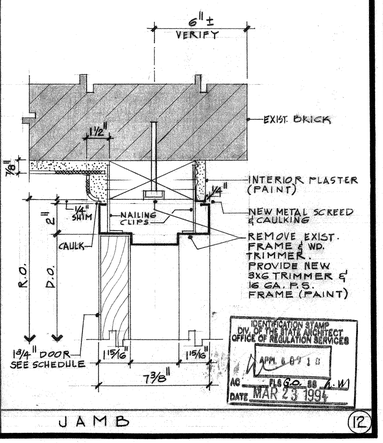


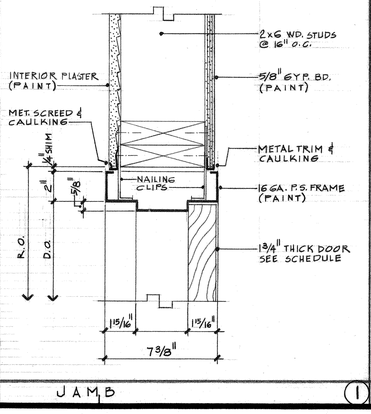












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357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNCAN EXPIRES 6-30-95 STATE OF CALIFORNIA

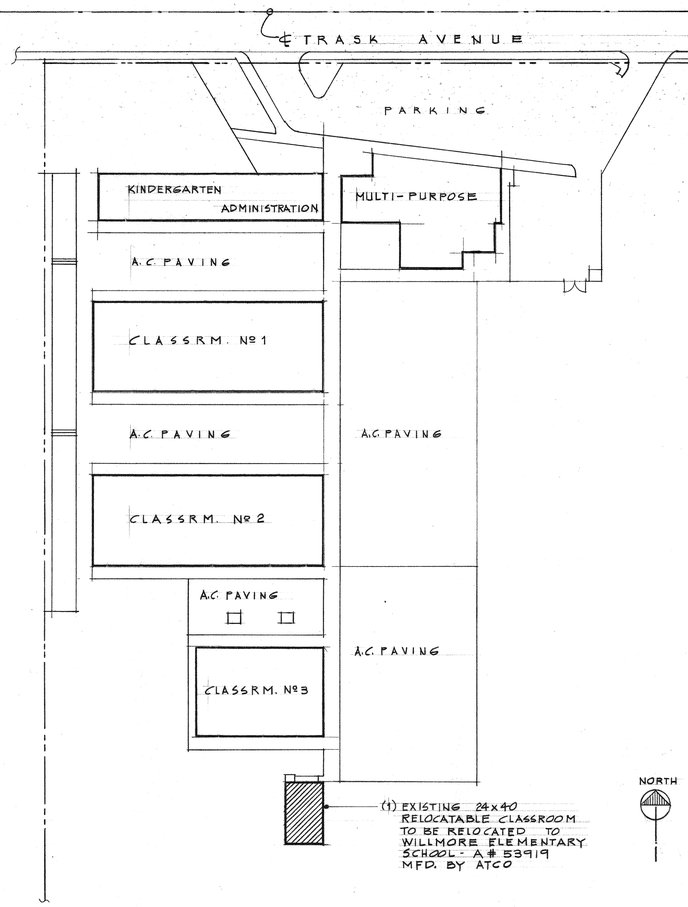
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL DISTRICT
WESTMINSTER SCHOOL
WESTMINSTER, CALIFORNIA

DOOR SCHEDULE, TYPES, NOTES & DETAILS

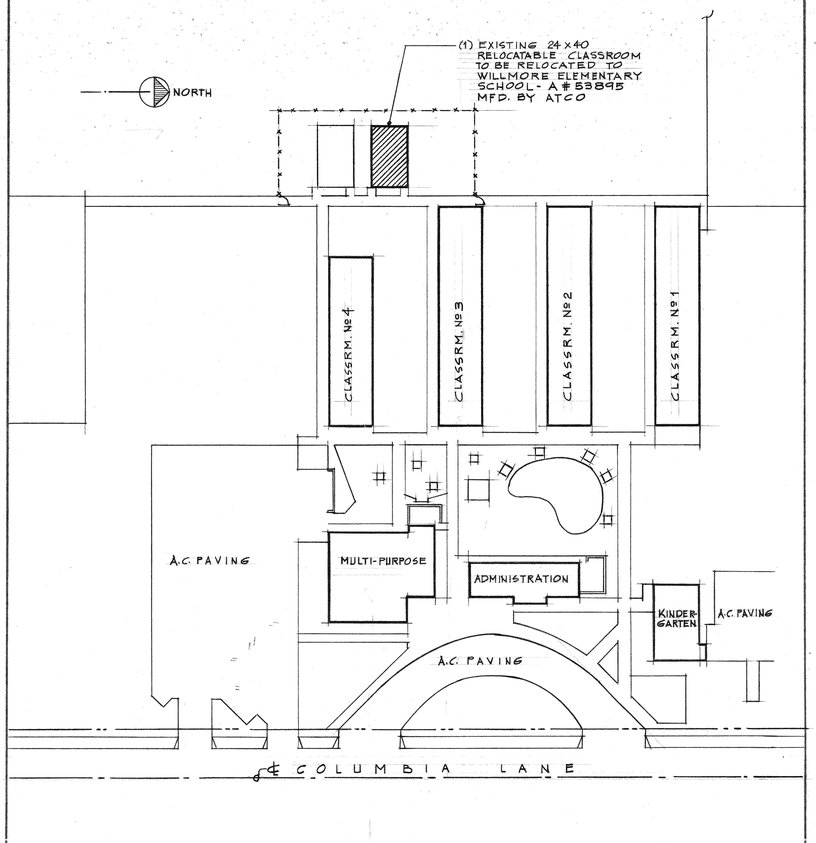
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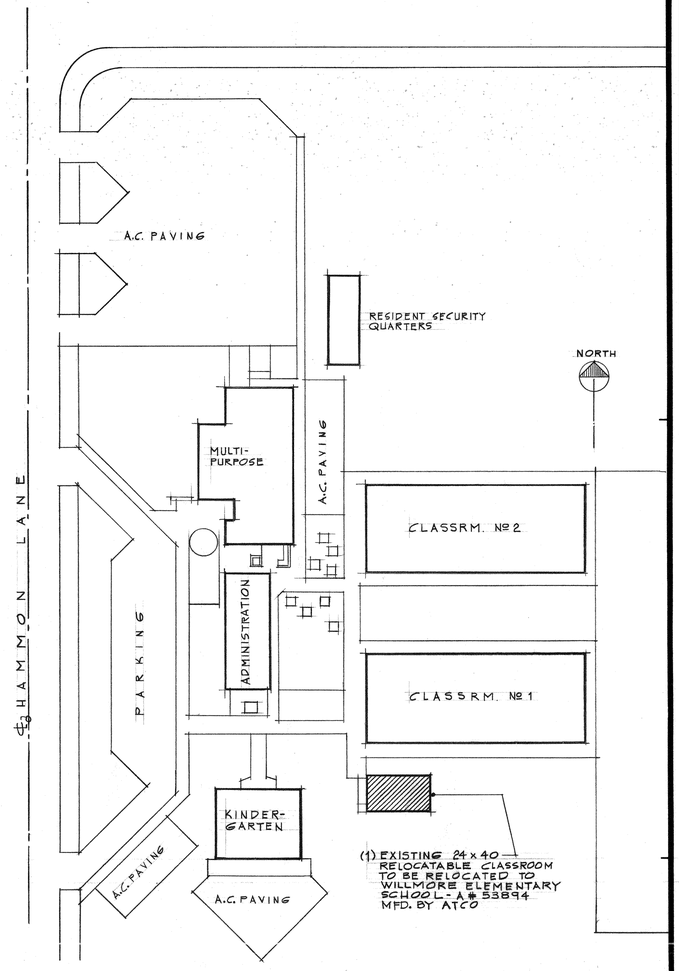
A-11



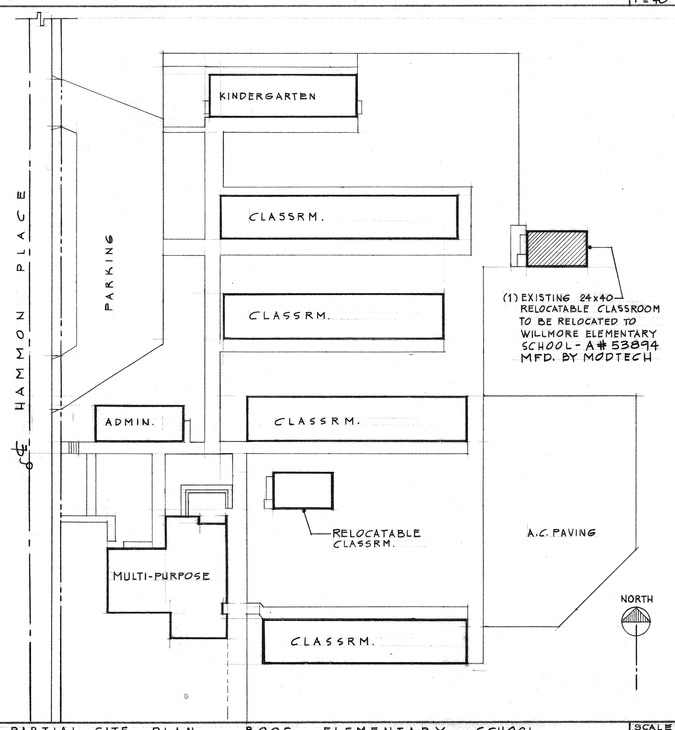
PARTIAL SITE PLAN SCHMITT ELEMENTARY SCHOOL SCALE 1"=40' A12/1



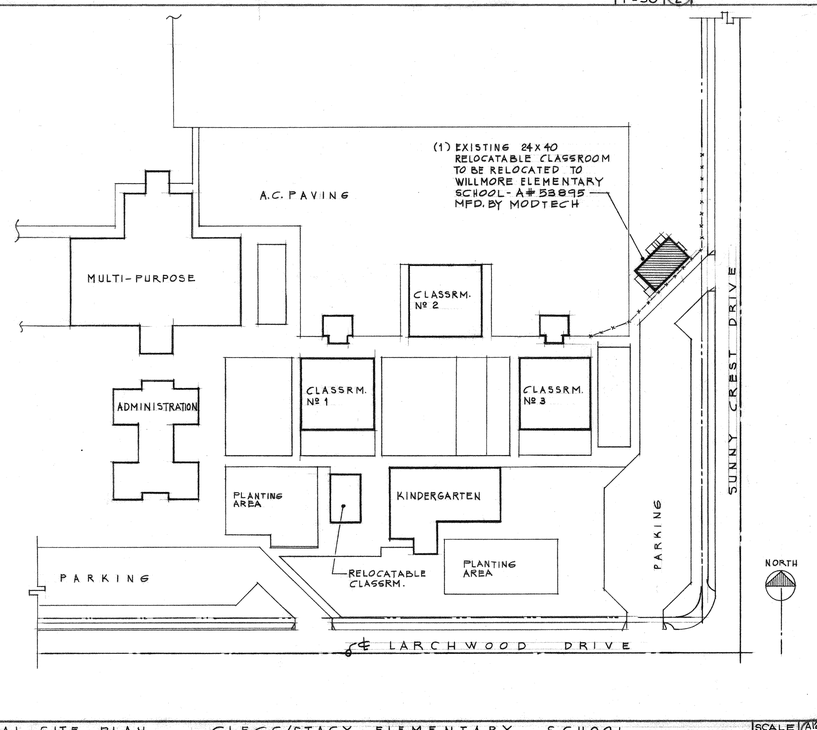
PARTIAL SITE PLAN SCHROEDER ELEMENTARY SCHOOL SCALE 1"=50' A12/2



PARTIAL SITE PLAN FRANKLIN ELEMENTARY SCHOOL SCALE 1"=40' A12/3



PARTIAL SITE PLAN BOOS ELEMENTARY SCHOOL SCALE 1"=40' A12/4



PARTIAL SITE PLAN CLEGG/STACY ELEMENTARY SCHOOL SCALE 1"=50' A12/5

NOTES FOR EXISTING RELOCATABLES

TO BE RELOCATED FROM VARIOUS SCHOOLS.

1. CONTRACTOR SHALL VISIT THE SITES PRIOR TO BIDDING AND IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ANY DISCREPANCIES WHICH MAY EXIST BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND ACTUAL FIELD CONDITIONS. NO EXTRAS WILL BE ALLOWED DUE TO EXTRA COST ARISING FROM SUCH DISCREPANCIES.
2. ALL EXISTING WOOD FOUNDATIONS, DEBRIS, ETC. IN THE AREAS VACATED BY THE RELOCATION OF THE CLASSRM. BUILDINGS FROM SCHMITT, SCHROEDER, FRANKLIN, BOOS & CLEGG/STACY ELEMENTARY SCHOOLS ARE TO BE REMOVED. THE AREA IS THEN TO BE RAKED SMOOTH IN PREPARATION FOR FUTURE TURFING BY THE SCHOOL DISTRICT.
3. REMOVE AND REPLACE FENCING OR OTHER ITEMS AS REQUIRED TO MOVE BUILDINGS FROM THE SITE.
4. DISCONNECT AND CAP ALL UTILITIES BELOW GRADE.
5. REMOVE BUILDINGS SO AS TO NOT DISRUPT THE NORMAL OPERATIONS OF THE SCHOOLS.
6. CONTRACTOR SHALL CONSTRUCT NEW CONCRETE FOUNDATIONS AS DETAILED ON THE DRAWINGS.
7. CONTRACTOR SHALL REMOVE STEPS, LANDINGS AND HANDRAILS OF EXISTING (5) CLASSROOMS TO BE RELOCATED TO WILLMORE ELEMENTARY AND RETURN TO THE SCHOOL DISTRICT.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL # 09 18 FILED 12-20-00 DATE MAR 22 2004

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NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS 357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT RICHARD D. DUNBAR No. 18536 STATE OF CALIFORNIA

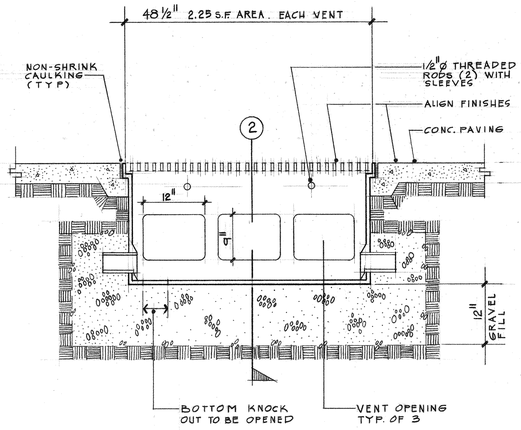
ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

SITE PLANS (5) VARIOUS SCHOOLS

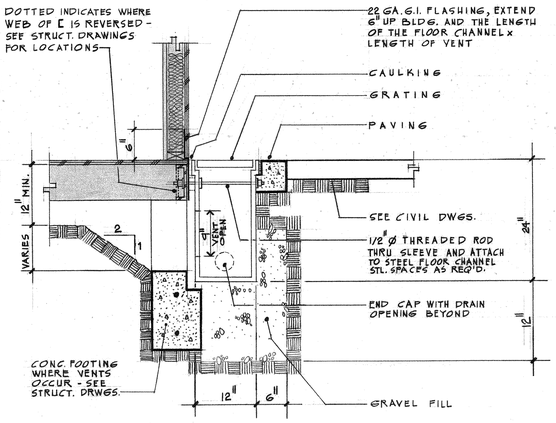
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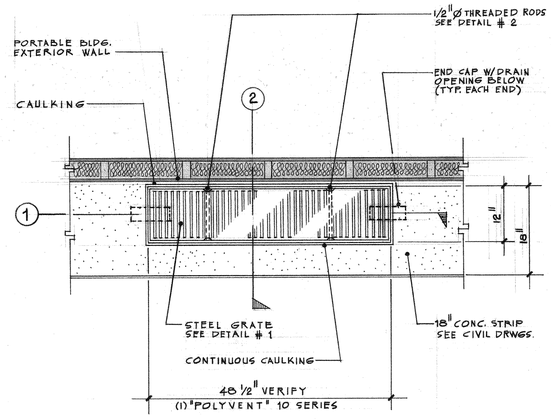
UNDERFLOOR VENTILATION FOR PORTABLE BUILDINGS



VENT SECTION DETAIL ①



VENT SECTION DETAIL ②

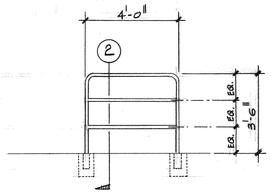


PLAN VIEW OF VENT ③

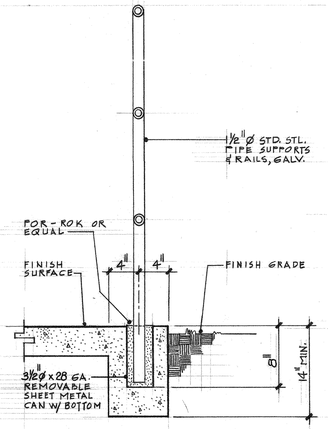
NOTES

1. ALL UNDERFLOOR VENTILATION COMPONENTS SHALL BE OF THE "POLYVENT" PASSIVE AIR VENTILATION SYSTEM AS MANUFACTURED BY "QUAZITE" CORP. (800) 346-3061 (UNLESS NOTED OTHERWISE)
2. INSTALL "POLIVENT" VENTS IN STRICT ACCORDANCE WITH MANUFACTURES SPECIFICATIONS AND THE DIVISION OF THE STATE ARCHITECT (D.S.A.)
3. VERIFY CONDITIONS WITH CIVIL DRAWINGS AND EXISTING RELOCATABLE CLASSROOM COMPONENTS

SCALE 1"=1'-0" A-13/A

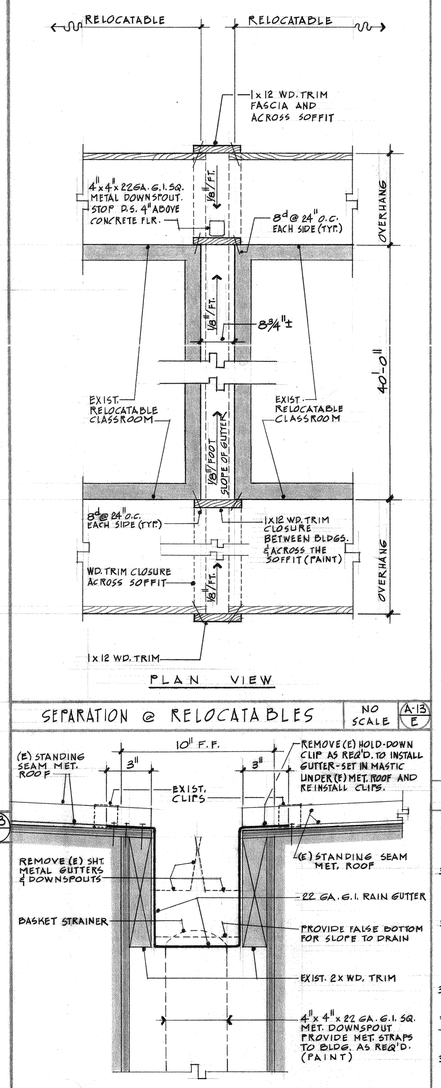


GUARDRAIL ELEVATION ①
SCALE: 3/8" = 1'-0"



GUARDRAIL SECTION ②
SCALE: 1½" = 1'-0"

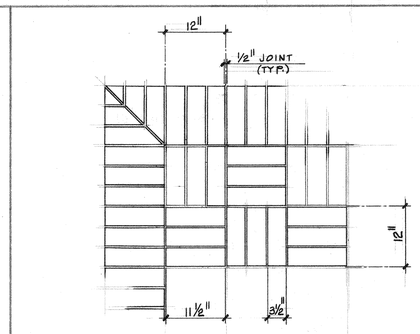
GUARDRAIL DETAIL — SCALE AS NOTED — A-13/B



PLAN VIEW

SEPARATION @ RELOCATABLES — NO SCALE — A-13/E

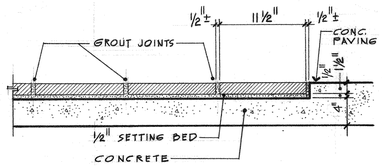
RAIN GUTTER DETAIL — SCALE 3"=1'-0" — A-13/P



PLAN OF PAVING PATTERN
SCALE: 1" = 1'-0"

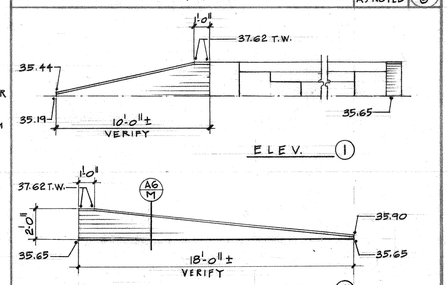
NOTE:
SAWCUT BRICK PAVERS AS REQUIRED

COLOR OF BRICK PAVERS TO BE SELECTED BY THE ARCHITECT.

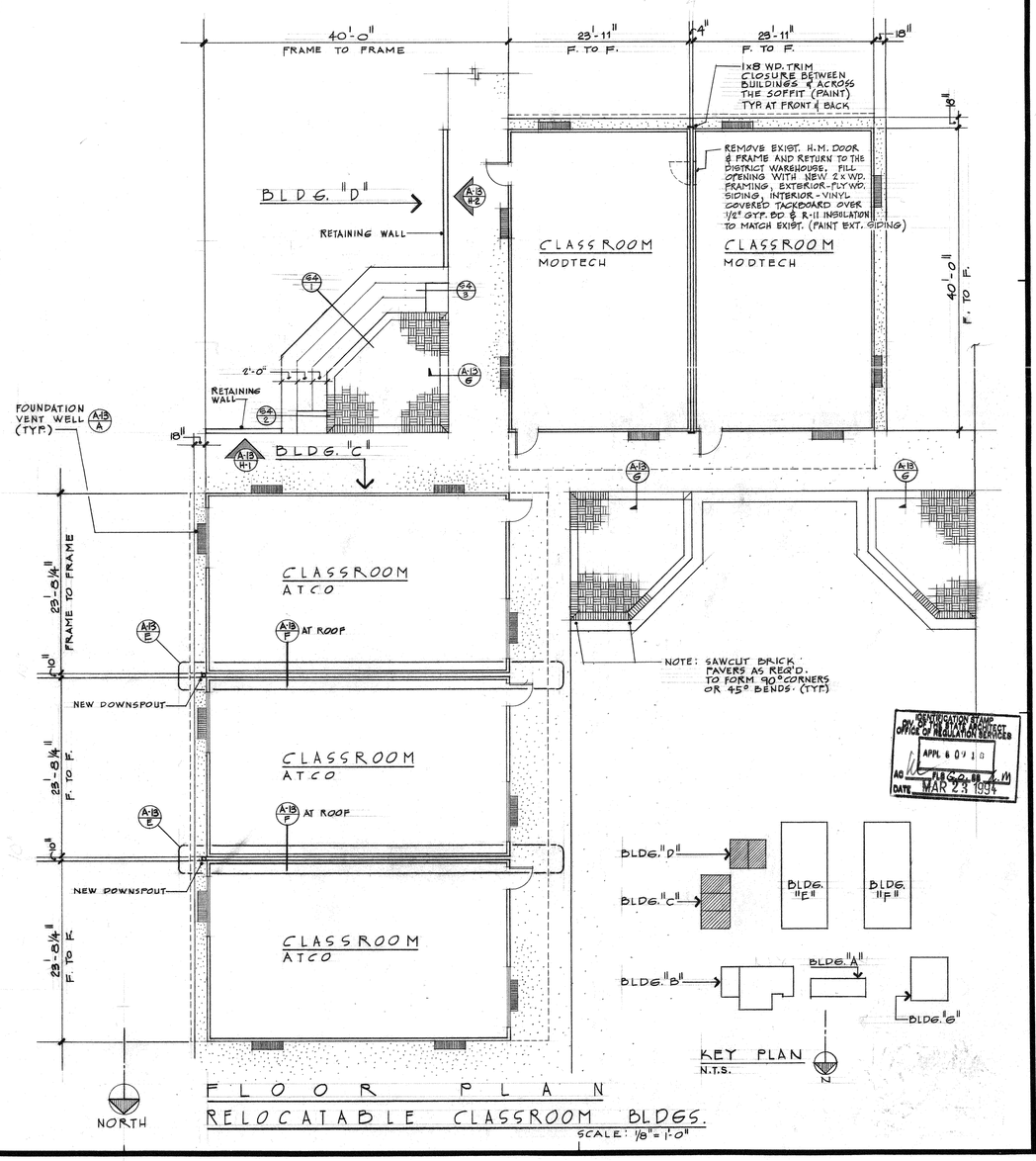


PAVER DETAIL
SCALE: 1½" = 1'-0"

PAVING DETAILS — SCALE AS NOTED — A-13/G



MASONRY RETAINING WALLS — SCALE 1/4"=1'-0" — A-13/H



FLOOR PLAN
RELOCATABLE CLASSROOM BLDGS.
SCALE: 1/8" = 1'-0"

CERTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 07 10
FILE # 33-58
DATE MAR 23 1994

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ARCHITECTS • ENGINEERS - PLANNERS
NEPTUNE • THOMAS • DAVIS
357 North Sheridan Street, Suite 100 Corona, California 91720
ARCHITECT

LICENSED ARCHITECT RICHARD D. DUNCAN No. 9349 STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

FLOOR PLANS: RELOCATABLE BLDGS.

DATE
JOB NO 93531
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WOOD

1. ALL PHASES OF WORK PERTAINING TO WOOD CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, STATE CHAPTER 25.

2. LUMBER SHALL BE GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, OR THE STANDARD GRADING RULES (1991) OF THE WESTERN WOOD PRODUCTS ASSOCIATION.

3. DIMENSION LUMBER SHALL BE DOUGLAS FIR NO. 1 AND BETTER GRADE UNLESS NOTED OTHERWISE. TIMBER LUMBER SHALL BE DOUBLAS FIR NO. 1 GRADE UNLESS NOTED OTHERWISE.

4. ALL PLYWOOD SHALL BE STRUCTURAL I AND COMPLY WITH UBC STANDARD 25-9. USE PLYWOOD NAILS SAME GAUGE AS COMMON WIRE NAILS WITH LENGTHS AT LEAST EQUAL TO PLYWOOD THICKNESS PLUS REQUIRED PENETRATION PER TABLE 25-G.

5. BOLT HOLES SHALL BE A MINIMUM OF 1/32 IN. TO A MAXIMUM OF 1/16 IN. LARGER DIAMETER THAN NOMINAL SIZE OF BOLT USED. RETIGHTEN ALL NUTS PRIOR TO CLOSING IN.

6. STANDARD CUT WASHERS SHALL BE USED UNDER BOLT HEADS AND NUTS AGAINST WOOD. USE HEAVY PLATE OR MALLEABLE IRON WASHERS WHERE NOTED.

7. DO NOT BORE OR NOTCH JOISTS, RAFTERS OR BEAMS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEER'S APPROVAL FOR ANY HOLES OR NOTCHES NOT DETAILED.

8. METAL CONNECTORS FOR WOOD CONSTRUCTION SHALL BE SIMPSON 'STRONG-TIE', UNLESS NOTED OTHERWISE. APPROVED EQUALS MAY ONLY BE USED WITH PRIOR APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.

9. ALL SILL PLATES WHICH REST ON FOUNDATION OR SLAB ON GRADE SHALL BE PRESSURE TREATED AND SHALL BEAR THE WCLIB OR WWPA GRADE STAMP AND THE QUALITY MARK OF AN ACREDITED AGENCY. CUTS AND HOLES SHALL BE RETREATED PER AWPA M4. (STATEMENTS SUCH AS "OK TO REFUSAL" ARE NOT PERMITTED.

10. JOISTS MORE THAN 8"-INCH DEPTH SHALL BE CONTINUOUSLY BRIDGED BY SOLID BLOCKING, 2 INCHES THICK AND THE FULL DEPTH OF THE JOIST, SPACED AT 8 FEET ON CENTER.

11. PREDRILL ALL NAILS 20d AND LARGER AND WHERE REQUIRED TO PREVENT SPLITTING.

12. EXPOSED MEMBERS SHALL BE SELECT STRUCTURAL GRADE, FREE OF HEART CENTER (WHERE SIZE PERMITS), AND SELECTED FOR APPEARANCE AND STRAIGHTNESS.

MACHINE APPLIED NAILING

THE USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION AND THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER, OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
NAILING SCHEDULE

NAILING SCHEDULE

THE NAILING IS TYPICAL UNLESS NOTED OR DETAILED OTHERWISE. ALL NAILS SHALL BE COMMON WIRE NAILS. DRILL HOLES FOR 20d NAILS AND LARGER AND AS REQUIRED TO PREVENT SPLITTING.

JOISTS OR RAFTERS TO SIDES OF STUDS -	
8" JOIST OR LESS	3-16d
FOR EA. ADDITION 4" IN DEPTH OF JOIST	1-16d
JOISTS OR RAFTERS AT ALL BEARING - TOE NAILS EA. SIDE	2-10d
STUD TO BEARING - TOE NAILS EA. SIDE	2-10d
BLOCKING BETWEEN JOISTS OR RAFTERS - TOE NAILS EA. SIDE EA. END	2-10d
BLOCKING BETWEEN JOISTS OR RAFTERS TO JOIST OR RAFTER BEARINGS - TOE NAILS EA. SIDE	2-10d
BLOCKING BETWEEN STUDS:	
TOE NAILS EA. END	2-10d
OR END NAILS	2-16d
PROGRESSIVE BLOCKING:	
RAFTER TO BLOCK	3-16d
BLOCK TO CONT. NAILER	3-16d
MULTIPLE STUDS (STAGGER)	16d @ 24"
SOLE PL TO JOIST OR BLKG.	16d @ 16"
DOUBLE TOP PLATE:	
LOWER PL TO TOP OF STUD, END NAIL	2-16d
UPPER PL TO LOWER PL	16d @ 16"
UPPER PL TO LOWER PL AT INTERSECTIONS	3-16d
CLG. JOISTS - LAPS OVER PARTITIONS	3-16d
CLG. JOISTS TO PARALLEL RAFTERS	3-16d
CLG. STRIPS (FURRING):	
1 X 4 PER BRG (STRONGHOLD TYPES)	2-8d
2 X 3 PER BRG (STRONGHOLD TYPES)	1-16d
MULTIPLE JOISTS OR RAFTERS:	
10" OR LESS IN DEPTH (STAGGER)	20d @ 12"
MORE THAN 10" DEEP (STAGGER)	1/2" BOLTS @ 24"
1 X 6 LET-IN BRACE PER BRG	2-8d

PLYWOOD NAILING - REFER TO PLANS.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, STATE CHAPTER 26.

2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. MIX DESIGNS SHALL CONFORM TO SEC. 2605(c), METHOD B. CONCRETE WITH A 3/8" MAXIMUM AGGREGATE SIZE SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND OSA. CONCRETE SHALL CONTAIN A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD. THE MAXIMUM SLUMP SHALL NOT EXCEED 3"+ 1" FOR FOOTINGS, SLABS ON GRADE AND MASS CONCRETE, AND 4"+ 1" FOR OTHER CONCRETE.

3. SCHEDULE OF STRUCTURAL CONCRETE 28 DAY MINIMUM STRENGTHS AND TYPES:

   FOOTINGS, CAISSONS,
   GRADE BEAMS. . . . . PCF, f'c =3000 PSI

   SLABS ON GRADE . . . . . PCF, f'c =3000 PSI
   (NOTE: 2000 PSI USED FOR DESIGN)

   ELSEWHERE UNLESS NOTED . . . PCF, f'c =2500 PSI

4. PORTLAND CEMENT SHALL CONFORM TO UBC STANDARD 26-1 (ASTM C-150), TYPE I OR TYPE II, LOW ALKALI.

5. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ASTM C-33.

6. READY MIXED CONCRETE SHALL CONFORM TO UBC STANDARD 26-13 (ASTM C-94).

7. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.

8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.

9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER, IN ADVANCE, OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

10. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

    CONCRETE CAST AGAINST AND
    PERMANENTLY EXPOSED TO EARTH . . . . . 3"

    CONCRETE EXPOSED TO EARTH
    OR WEATHER:
    #6 THROUGH #18 BARS . . . . . 2"
    #5 BARS, W31 OR D31 WIRE,
    AND SMALLER . . . . . 1-½"

11. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED ONE THIRD OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED. CLEAR SPACING BETWEEN ADJACENT CONDUITS OR PIPES SHALL BE A MINIMUM OF 2 TIMES THE LARGER OUTSIDE DIAMETER (O.D.).

12. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL MOLDS, GROOVES, REVEALS, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.

13. DRYPACK UNDER BASEPLATES, SILL PLATES AND WHERE OTHERWISE NOTED ON DRAWINGS SHALL CONSIST OF 1 PART PORTLAND CEMENT AND 2-1/2 PARTS OF FINE AGGREGATE CONFORMING TO ASTM C-33 WITH ENOUGH WATER TO FORM A BALL WHEN SQUEEZED IN THE HAND. THE SPACE BETWEEN TWO SURFACES REQUIRING DRYPACK SHALL BE PACKED WITH THE DRYPACK MATERIAL BY TAMPING OR RAMING WITH A BAR OR ROD UNTIL THE VOIDS ARE COMPLETELY FILLED.

14. CONCRETE FOR SLAB ON GRADE DOES NOT REQUIRE BATCH PLANT INSPECTION. A MINIMUM OF ONE SET OF TWO CYLINDERS SHALL BE TAKEN AND TESTED FOR EACH 50 CUBIC YARDS OF CONCRETE OR FRACTION THEREOF.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

1. ALL PHASES OF WORK PERTAINING TO STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, STATE CHAPTER 27, AND UBC STANDARD 27-15 (SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION).

2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36, UNLESS OTHERWISE NOTED.

3. STEEL PIPE SHALL CONFORM TO ASTM A-53, TYPE E OR S, GRADE B. STEEL TUBES SHALL CONFORM TO ASTM A-500, GRADE B.

4. ALL BOLTS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE:

   ANCHOR BOLTS-ASTM A-307
   TYPICAL STEEL CONNECTIONS-ASTM A-325SC (SLIP CRITICAL)
   MOMENT AND DRAG CONNECTIONS-ASTM A-325SC (SLIP CRITICAL)
   MISCELLANEOUS CONNECTIONS NOT NOTED OTHERWISE-ASTM A-307

5. THE STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.

6. ALL WELDING SHALL CONFORM TO UBC STANDARD 27-6 (STRUCTURAL WELDING CODE - STEEL, AWS D1.1, BY THE AMERICAN WELDING SOCIETY). MINIMUM TENSILE STRENGTH OF WELD METAL SHALL BE 70 KSI. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.

7. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.

8. ALL STRUCTURAL STEEL SURFACES TO RECEIVE SPRAY-APPLIED FIREPROOFING OR TO BE ENCASED IN CONCRETE OR MASONRY SHALL BE LEFT UNPAINTED.

9. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE.

10. ALL METAL ITEMS, INCLUDING CONNECTORS, EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION.

FOUNDATION

1. ALL PHASES OF WORK PERTAINING TO EXCAVATIONS, FOUNDATIONS AND RETAINING WALLS SHALL CONFORM TO TITLE 24, PART 2, STATE CHAPTER 29.

2. THE FOUNDATION DESIGN IS BASED ON A SOIL REPORT BY:
   BACCA ASSOCIATES INC.
   ANAHEIM, CA.
   DATED: SEPTEMBER-30-1993
   PROJECT NO. A-0955-FE

3. THE CONTRACTOR SHALL REVIEW THE SOIL REPORT AND COMPLY WITH ALL THE RECOMMENDATIONS NOTED. COPIES ARE AVAILABLE FOR REVIEW AT THE ARCHITECTS OFFICE.

4. A SOIL BEARING VALUE OF 1500 PSF WAS USED FOR DESIGN. BOTTOM OF FOOTINGS SHALL BE 12" MINIMUM BELOW LOWEST ADJACENT FINAL GRADE AND BEAR ON APPROVED NATURAL GRADE OR COMPACTED FILL.

   SOIL TYPE:
   RELATIVELY FIRM, SLIGHT SILTY TO CLEAN SANDS
   WITHIN UPPER 5 TO 8 FEET, FOLLOWED BY SOFT
   SILTY CLAYS BELOW.

5. SEE SPECIFICATIONS FOR EARTHWORK OPERATIONS. ALL EXCAVATIONS AND FILLS SHALL CONFORM TO SEC. 2903 AND THE RECOMMENDATIONS NOTED IN THE SOILS REPORT.

6. THE CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.

7. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN TEMPORARY EXCAVATIONS.

8. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.

9. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.

10. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.

11. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION, SHALL BE REMOVED.

BRICK MASONRY (f'm = 1500 PSI)

1. ALL PHASES OF WORK PERTAINING TO BRICK MASONRY CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, STATE CHAPTER 24.

2. BRICK MASONRY UNITS SHALL CONFORM TO UBC STANDARD 24-1 (ASTM C-62), GRADE MW, FOR BUILDING BRICK, AND UBC STANDARD 24-1 (ASTM C-216), GRADE SW, TYPE FBS FOR FACING BRICK.

3. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

4. MORTAR MIX SHALL CONFORM TO TABLE 24-A, FOR TYPE S MORTAR. MORTAR SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.

5. GROUT SHALL CONFORM TO TABLE 24-B FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. ADMIXTURE FOR LOW LIFT GROUTING MAY BE ANY ADMIXTURES APPROVED FOR CONCRETE. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE DESIGN STRENGTH OF 2000 PSI AT 28 DAYS.

6. PROVIDE A MINIMUM ONE BAR DIAMETER OF GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.

7. LOW-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO SEC. 2404 (f) 1.1, B.

8. HIGH-LIFT GROUTED CONSTRUTION IS NOT PERMITTED.

9. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE TEXTURE, HEIGHT OF MASONRY UNITS, LAYING PATTERN AND JOINT TYPE. USE RUNNING BOND PATTERN, UNLESS NOTED OTHERWISE.

10. ALL STRUCTURAL MASONRY WORK SHALL BE CONTINUOUSLY INSPECTED DURING LAYING AND GROUTING BY AN INSPECTOR SPECIFICALLY APPROVED FOR THAT PURPOSE.

REINFORCING STEEL FOR CONCRETE AND MASONRY

1. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH TITLE 24, PART 2, STATE CHAPTER 26, SEC. 2607, AND THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE, OR AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.

2. REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60, EXCEPT #3 BARS MAY BE GRADE 40. REINFORCING BARS THAT ARE TO BE WELDED SHALL CONFORM TO ASTM A-706, GRADE 60.

3. WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES AND SHALL CONFORM TO UBC STANDARD 26-8 (STRUCTURAL WELDING CODE - REINFORCING STEEL, AWS D1.4, BY THE AMERICAN WELDING SOCIETY) AND SEC. 2603(b) 4. MINIMUM TENSILE STRENGTH OF WELD METAL SHALL BE 90 KSI. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.

4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, AND SHALL BE LAPPED 1-1/2 SPACES AND 12" MINIMUM.

6. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE VERTICAL REINFORCEMENT, RESPECTIVELY.

7. REINFORCING SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS.

8. ALL VERTICAL REINFORCING SHALL BE CONTINUOUS BETWEEN TWO LEVELS, UNLESS NOTED OTHERWISE.

GENERAL

1. THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS 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. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. CONTRACTOR AT HIS OWN EXPENSE SHALL ENGAGE PROPERLY QUALIFIED PERSONS TO DESIGN BRACING, SHORING, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.

5. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

6. WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.

7. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES; THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PARTS 1 AND 2 (CALIFORNIA BUILDING CODE), 1991 EDITION (1991 UBC WITH CALIFORNIA AMENDMENTS), AND ANY OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

8. SPECIFICATIONS, CODES AND STANDARDS NOTED SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.

PROJECT DESIGN CRITERIA

1. BASIC DESIGN LIVE LOADS:
   ROOF 20 psf (REDUCIBLE)
   FLOOR 50 psf (PORTABLE UNITS)

2. EARTHQUAKE FORCES:

   V = (ZIC/Rw) W

   Z = 0.4

   I = 1.0

   C = 2.75

   Rw = 3 FOR LUNCH SHELTER AND CANTABRELLAS
   Rw = 6 FOR PORTABLE UNITS

3. WIND FORCES:

   WIND FORCES ARE BASED ON A BASIC WIND SPEED OF 70 MPH AND EXPOSURE C.
   P=CeCqQsI = 1.06 x 1.6 x 12.6 x 1.15 = 24.6 psf

DEMOLITION

1. ALL DEMOLITION SHALL BE CARRIED ON IN SUCH A WAY AS NOT TO DAMAGE EXISTING ELEMENTS WHICH ARE TO BE IN THE FINISHED BUILDING.

2. ALL ELEMENTS OF THE STRUCTURE WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS SHALL BE PROTECTED TO THE FULLEST EXTENT POSSIBLE, IN ORDER TO REDUCE SUCH DAMAGE TO A MINIMUM.

EXISTING UNDERGROUND UTILITIES

1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

HIGH-STRENGTH BOLTS

1. SEE STRUCTURAL STEEL AND MISCELLANEOUS METAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.

2. JOINT ASSEMBLIES USING HIGH-STRENGT BOLTS SHALL BE IN ACCORDANCE WITH UBC STANDARD 27-7. (SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS, BY THE AMERICAN) INSTITUTE OF STEEL CONSTRUCTION).

3. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A-325, NUTS SHALL CONFORM TO ASTM A-563, AND WASHERS SHALL CONFORM TO ASTM F-436.

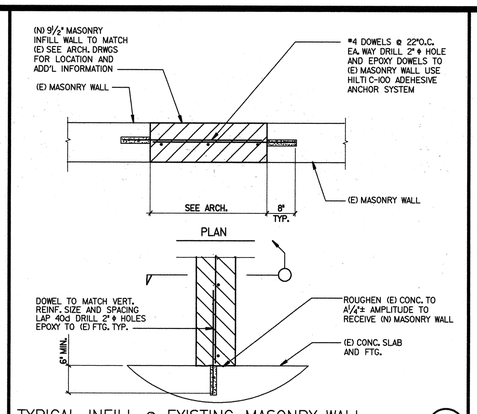
4. PAINT SHALL NOT BE PERMITTED ON CONTACT SURFACES UNLESS OTHERWISE NOTED. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.

5. SLIP-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING, INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSION INDICATOR TIGHTENING.

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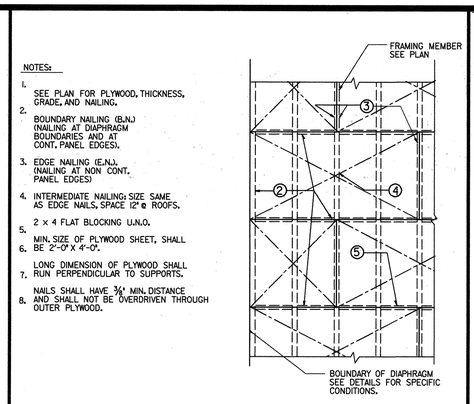
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TYPICAL INFILL @ EXISTING MASONRY WALL (13)

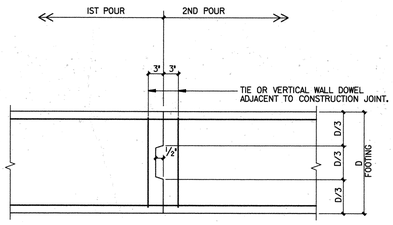
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HORIZONTAL PLYWOOD SHEATHING (9)

NO SCALE

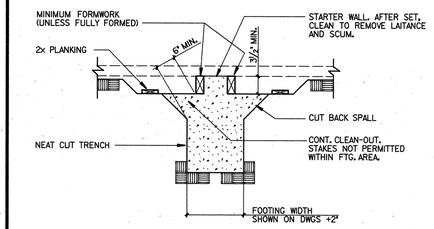
TSC1.5



CONTINUOUS FOOTING CONSTRUCTION JOINT (5)

NO SCALE

TSC1.1



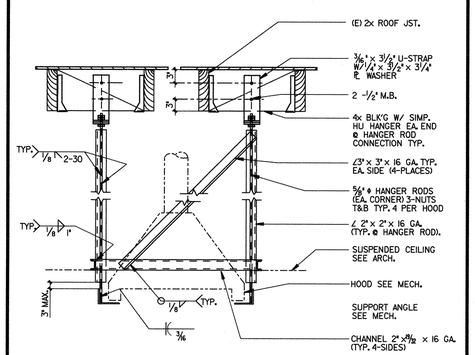
NOTES:
1. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
2. FOOTING WIDTHS SHALL NOT BE MORE THAN 4" WIDER THAN SHOWN ON PLAN.
3. FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.

FOOTING POURED AGAINST EARTH (1)

NO SCALE

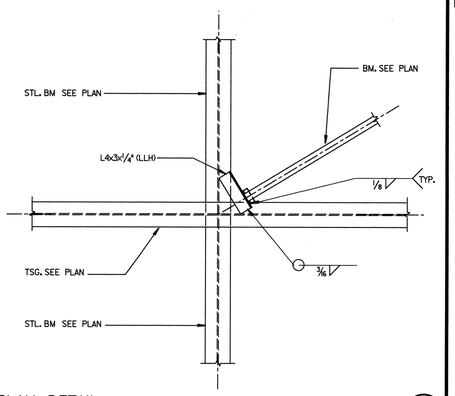
18

TSE1.1



HOOD SUPPORT DETAIL (14)

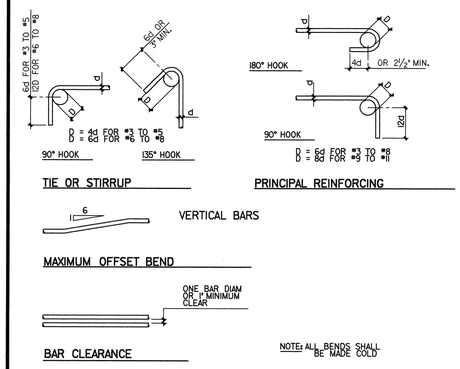
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PLAN DETAIL (10)

3/4"=1'-0"

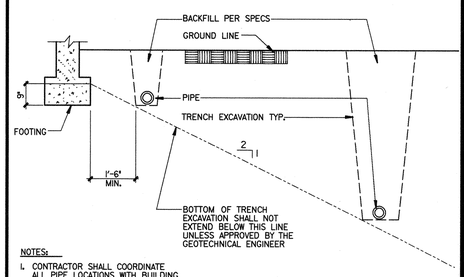
TSC4.1



BAR BENDS (6)

NO SCALE

TSC1.2



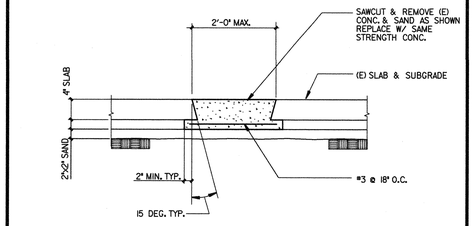
NOTES:
1. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
2. IF REQUIREMENTS AS SHOWN CANNOT BE MET, STEP FOOTING PER TYPICAL STEPPED FOOTING DETAIL.

PIPES PARALLEL TO FOOTINGS (2)

NO SCALE

19

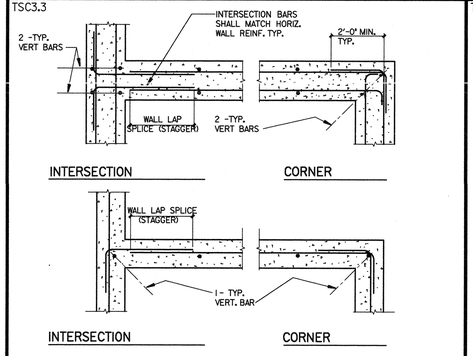
TSC6.2



TYPICAL SLAB PATCH DETAIL (15)

NO SCALE

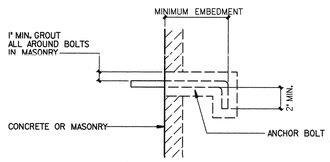
TSC3.3



REINF. @ FND. & WALL INTERSECTIONS (MASONRY WALL SIMILAR) (11)

NO SCALE

TSC5.1



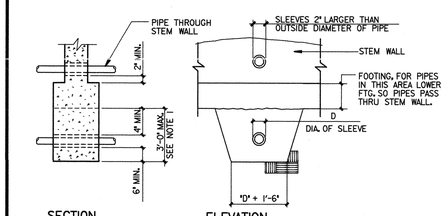
BOLT SIZE	EMBEDMENT
½"	4"
⅝"	4"
¾"	5"
⅞"	6"
1"	7"
1⅛"	8"
1¼"	9"

NOTES:
1. MINIMUM BOLT SPACING SHALL BE 12 BOLT DIAMETERS WITH A MINIMUM EDGE DISTANCE OF 6 DIAMETERS, UNLESS NOTED OTHERWISE.
2. PROVIDE AN ADDITIONAL 2" OF EMBEDMENT FOR ANCHOR BOLTS LOCATED IN THE TOP OF COLUMNS.

BOLT EMBEDMENT SCHEDULE (7)

NO SCALE

TSC1.3



NOTES:
1. FOOTINGS SHALL BE STEPPED SO THAT THIS DIMENSION DOES NOT EXCEED 3'-0" IN ANY CASE.
2. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
3. TRENCH BELOW FOOTING SHALL BE FILLED WITH CONCRETE BEFORE POURING FOOTING. CONCRETE FILL SHALL BE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.

PIPES PERPENDICULAR TO FOOTING (3)

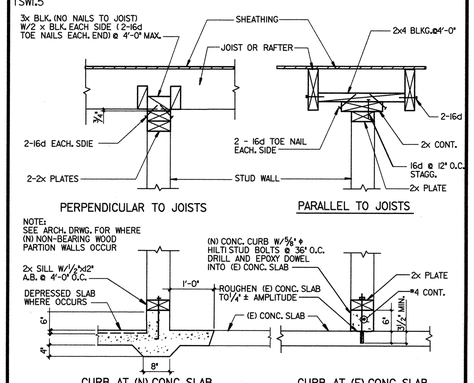
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20

TSW1.16

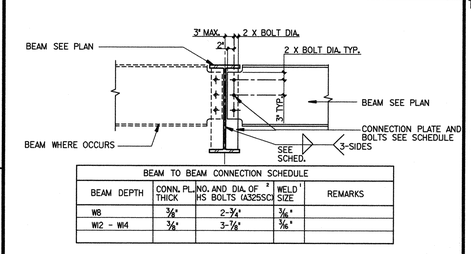
WOOD PARTITION T&B SUPPORT (16)

TSW1.5



NON-BEARING WOOD PARTITION T&B SUPPORT (12)

NO SCALE



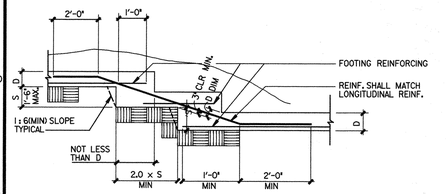
BEAM TO BEAM CONNECTION SCHEDULE				
BEAM DEPTH	CONN. PL. THICK	NO. AND DIA. OF HS BOLTS (A325SC)	WELD SIZE	REMARKS
W8	3/8"	2-3/4"	3/16"	
W12 - W14	3/8"	3-7/8"	3/16"	

NOTES:
1. FILLET WELD SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY UBC STANDARD 27-15 TABLE J2.4
2. HORIZONTAL SHORT SLOTTED HOLES OPTIONAL

BEAM TO BEAM CONNECTION (8)

NO SCALE

TSC1.4



NOTES:
1. FOR FOOTING REINFORCING SEE SECTIONS AND ELEVATIONS FOR QUANTITY SIZE AND SPACING.
2. VERTICAL WALL DOWELS SHALL EXTEND TO BOTTOM REINF. OF FTG.

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STEPPED FOOTING (4)

NO SCALE

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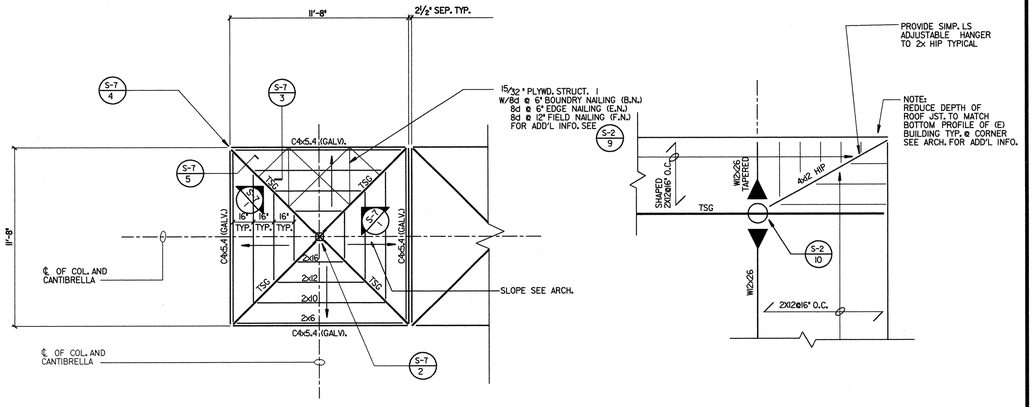
NTD
NEPTUNE THOMAS DAVIS
ARCHITECTS • ENGINEERS • PLANNERS
357 N. Sheridan St., Suite 101, Corona, California

LICENSED ARCHITECT RICHARD D. DUNCAN No. 21748 STATE OF CALIFORNIA

ADDITION AND ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
TYPICAL DETAILS

DATE
JOB NO. 9353
DRAWN LM
CHECKED LB

SHEET OF
S-2

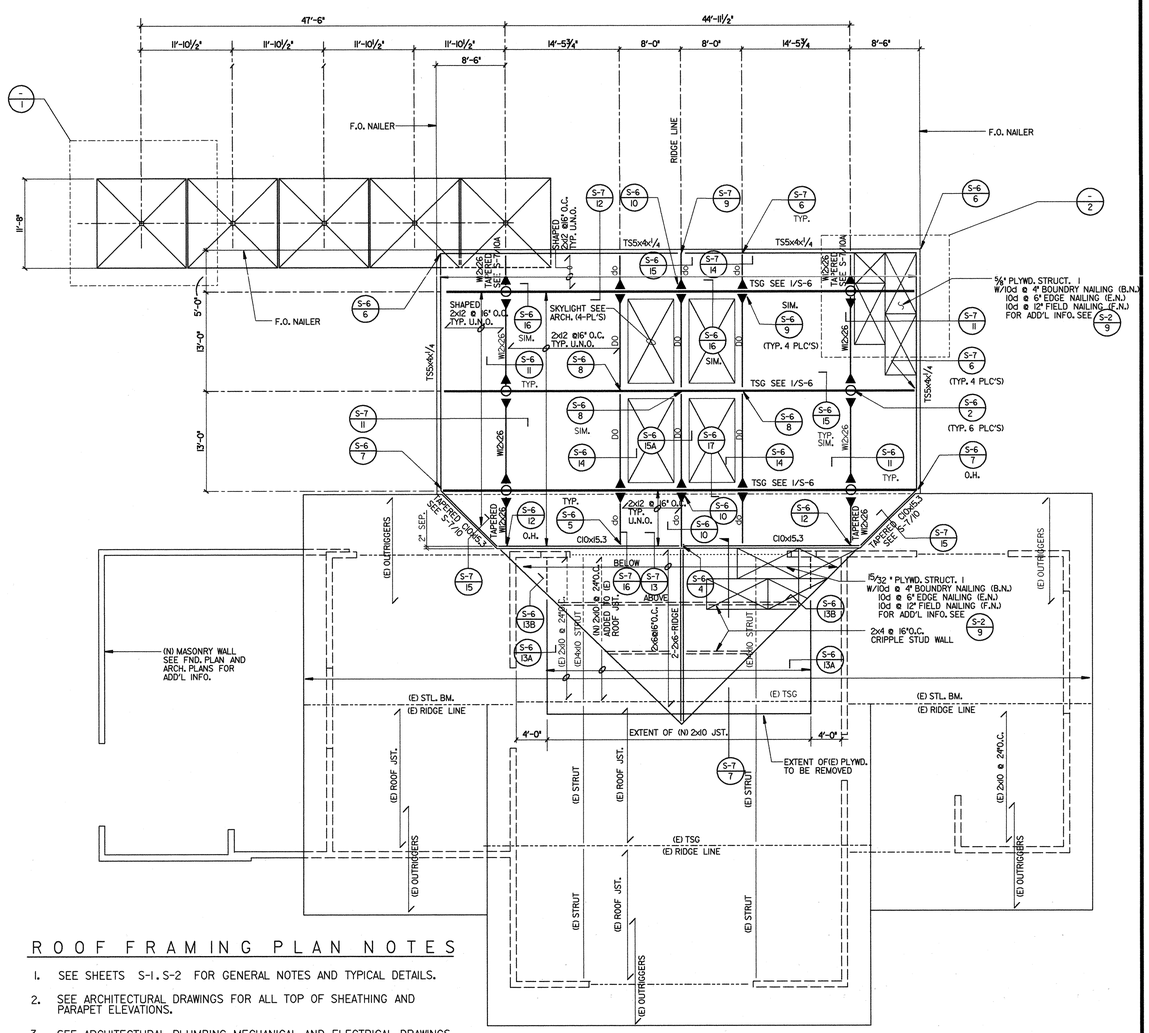


TYP. "CANTIBRELLA" BAY ROOF FRAMING PLAN (1)

1/4" = 1'-0"

TYP. FRAMING @ CORNER (2)

1/4" = 1'-0"



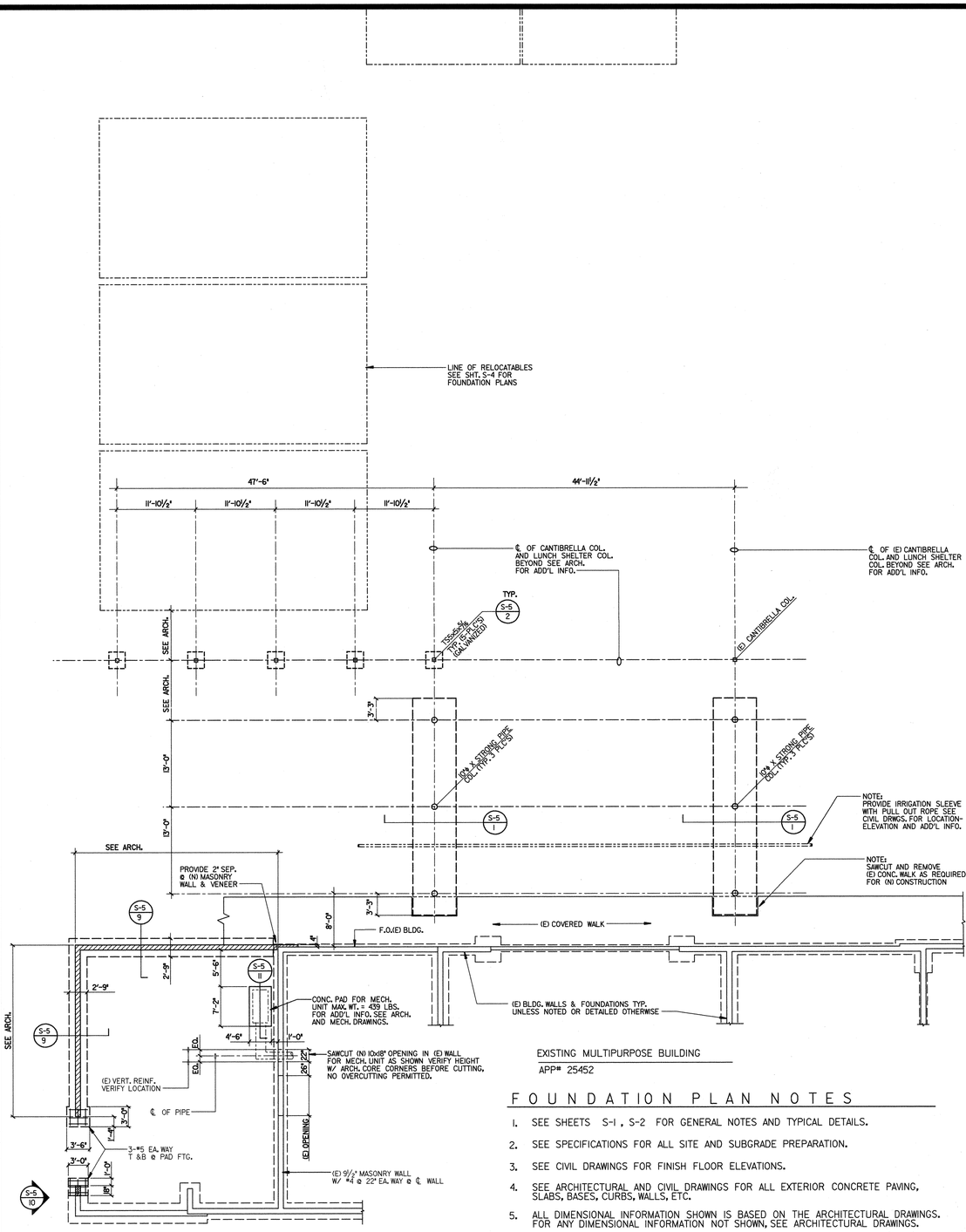
ROOF FRAMING PLAN NOTES

1. SEE SHEETS S-1. S-2 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. SEE ARCHITECTURAL DRAWINGS FOR ALL TOP OF SHEATHING AND PARAPET ELEVATIONS.
3. SEE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ROOF OPENINGS NOT SHOWN ON ROOF FRAMING PLANS.
4. PROVIDE 2-INCH BY FULL DEPTH SOLID BLOCKING AT 8'-0" MAXIMUM FOR ROOF JOISTS OR RAFTERS MORE THAN 8-INCH IN DEPTH.

ROOF FRAMING PLAN

1/8" = 1'-0"

Ø 4' 8' 16' 24'



EXISTING MULTIPURPOSE BUILDING

APP# 25452

FOUNDATION PLAN NOTES

1. SEE SHEETS S-1 , S-2 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. SEE SPECIFICATIONS FOR ALL SITE AND SUBGRADE PREPARATION.
3. SEE CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
4. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLABS, BASES, CURBS, WALLS, ETC.
5. ALL DIMENSIONAL INFORMATION SHOWN IS BASED ON THE ARCHITECTURAL DRAWINGS. FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
6. ALL DIMENSIONS SHOWN ARE FROM FACE OF STUD, CENTER LINE OF COLUMN, OR CENTER LINE OF WALL, UNLESS NOTED OTHERWISE. ALL COLUMNS ARE CENTERED IN STUD WALL, UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
8. ALL EPOXY ANCHORS SHALL BE HILTI C-100 ADHESIVE ANCHOR SYSTEM
9. SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS. SLAB ELEVATIONS SHOWN ARE IN RELATION TO FINISH FLOOR ELEVATION.
10. FOR STEPPED FOOTING IN CONTINUOUS FOOTING SEE DETAIL S-2/4

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FOUNDATION PLAN

1/8" = 1'-0"

Ø 4' 8' 16' 24'

NTD
NEPTUNE • THOMAS • DAVIS
ARCHITECTS • ENGINEERS • PLANNERS 357 N. Sheridan St., Suite 101, Corona, California
ARCHITECT

RICHARD D. SUMIDA
REG. NO. C-23452
LICENSED ARCHITECT
STATE OF CALIFORNIA

ADDITION AND ALTERATIONS FOR:

WILLMORE ELEMENTARY SCHOOL

WESTMINSTER SCHOOL DISTRICT

WESTMINSTER, CALIFORNIA

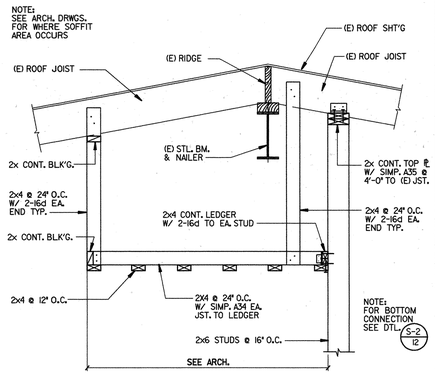
FOUNDATION AND ROOF FRAMING PLAN

DATE	JOB NO.	DRAWN	CHECKED
	9353I	LM	LB

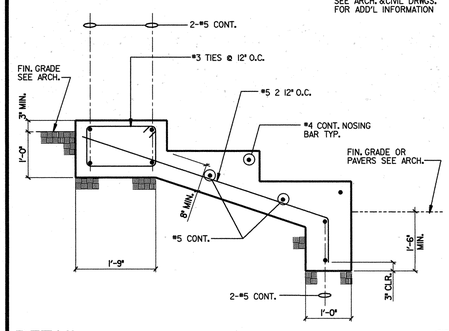
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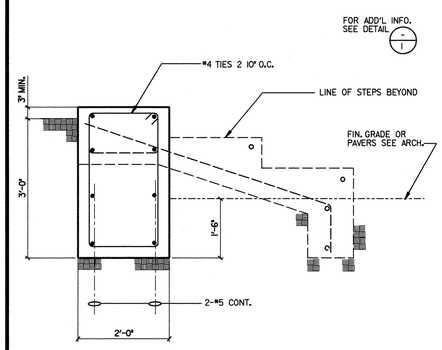


DETAIL 5
3/4" = 1'-0"

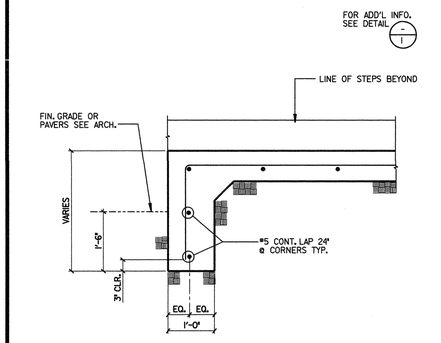


DETAIL 1
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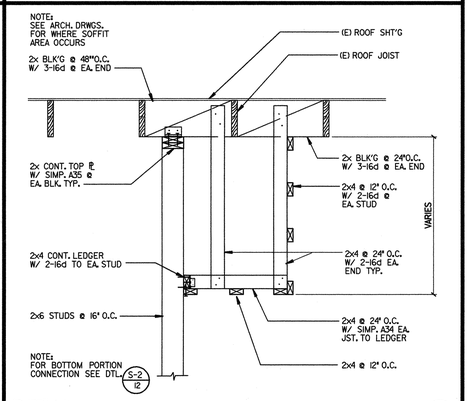
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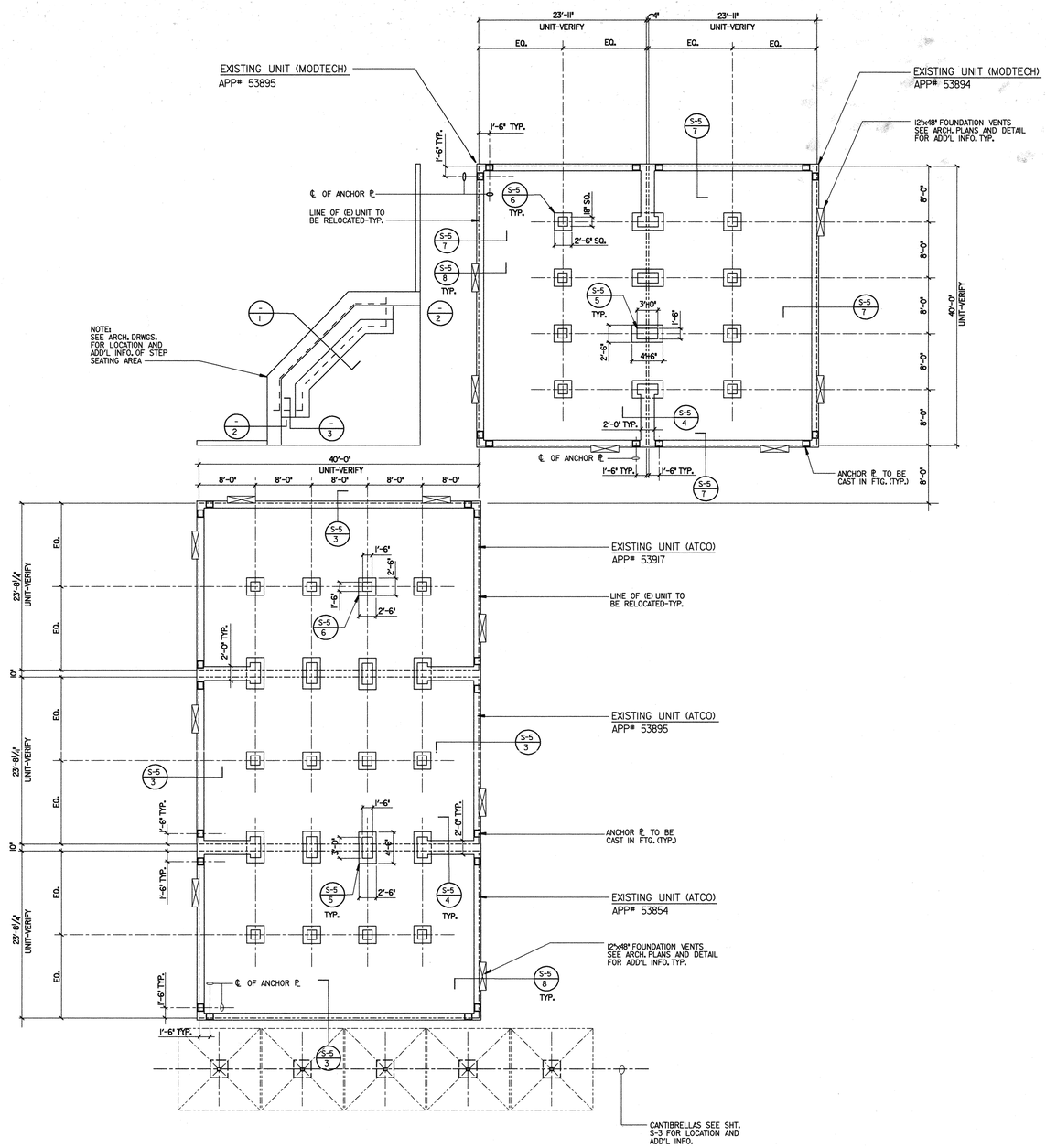
DETAIL 2
3/4" = 1'-0"



7 DETAIL 3
3/4" = 1'-0"



8 DETAIL 4
3/4" = 1'-0"



PLAN NOTES

1. SEE SHEET S-3 FOR ADDITIONAL NOTES.
2. THE CONTRACTOR SHALL VERIFY THE SIZE AND CONSTRUCTION OF THE EXISTING RELOCATABLE UNITS PRIOR TO CONSTRUCTING FOUNDATION. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC FLD 88
DATE MAR 29 1994

Ø 4' 8' 16' 24'

RELOCATABLE BUIILDINGS FOUNDATION PLAN

1/8" = 1'-0"

DATE: 8DATE8888888 TIME: 88TIME888
DESIGN FILE: 88DGN888888888888888888888888888888

NTD
NEPTUNE · THOMAS · DAVIS
ARCHITECTS · ENGINEERS · PLANNERS 357 N. Sheridan St., Suite 101, Corona, California

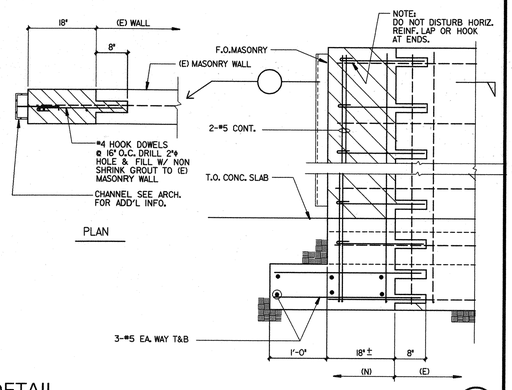
LICENSED ARCHITECT RICHARD D. DUNCAN No. 9-30-2005 STATE OF CALIFORNIA

ARCHITECT

ADDITION AND ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
FOUNDATION PLAN @ RELOCATABLES

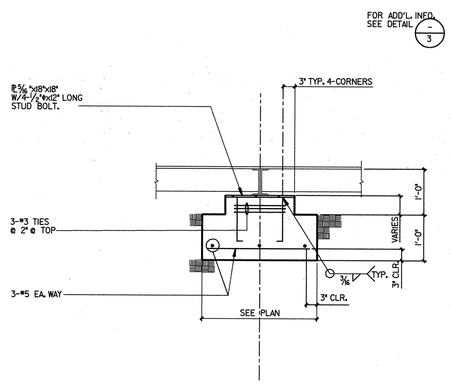
DATE
JOB NO. 5353.1
DRAWN LM
CHECKED LB

SHEET OF
S-4



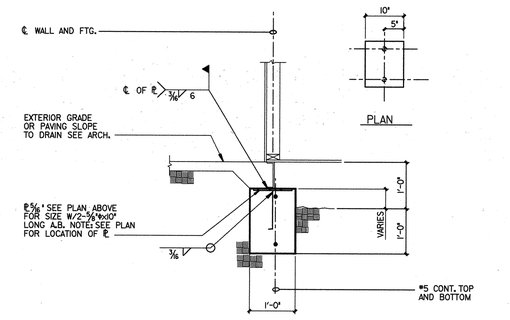
DETAIL 10

3/4"=1'-0"



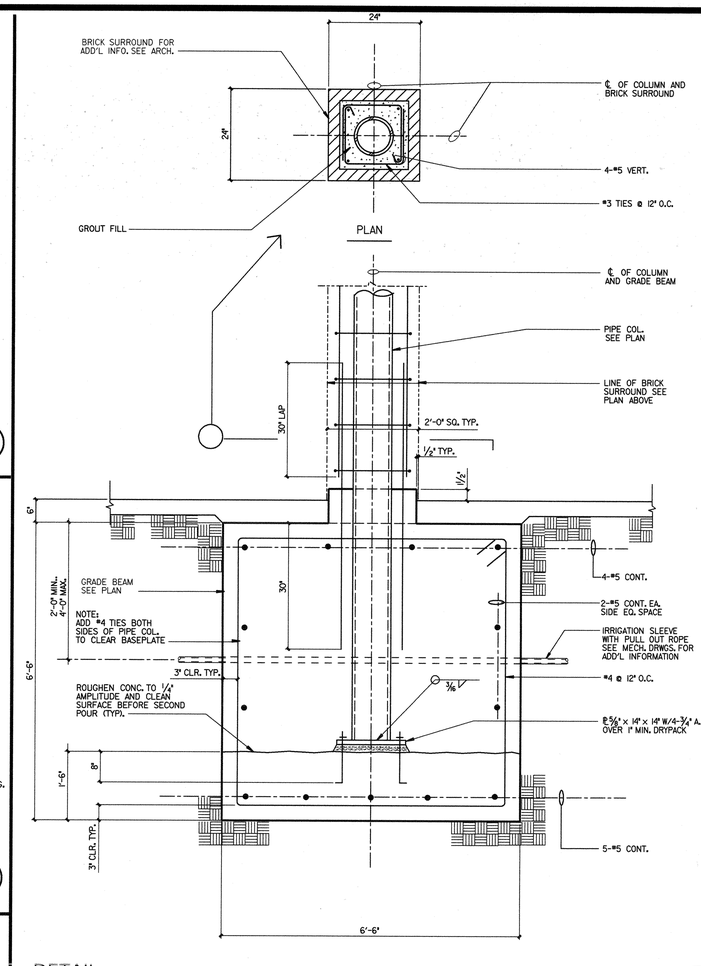
DETAIL 6

3/4"=1'-0"



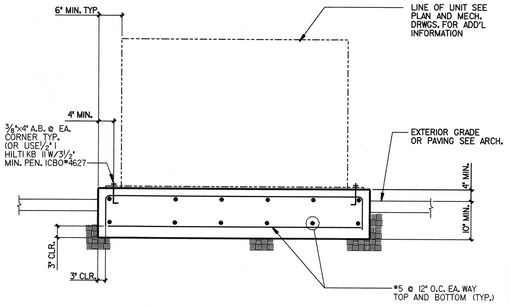
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3/4"=1'-0"



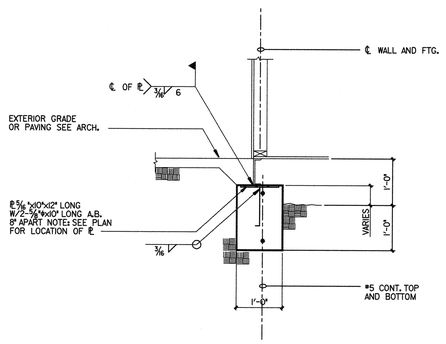
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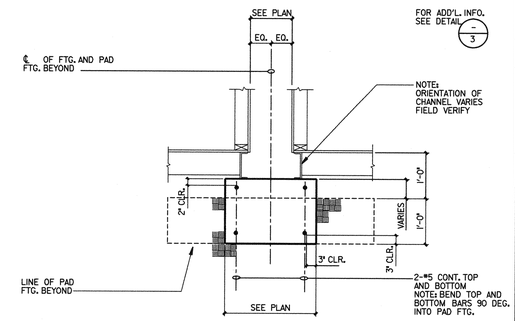
DETAIL 11

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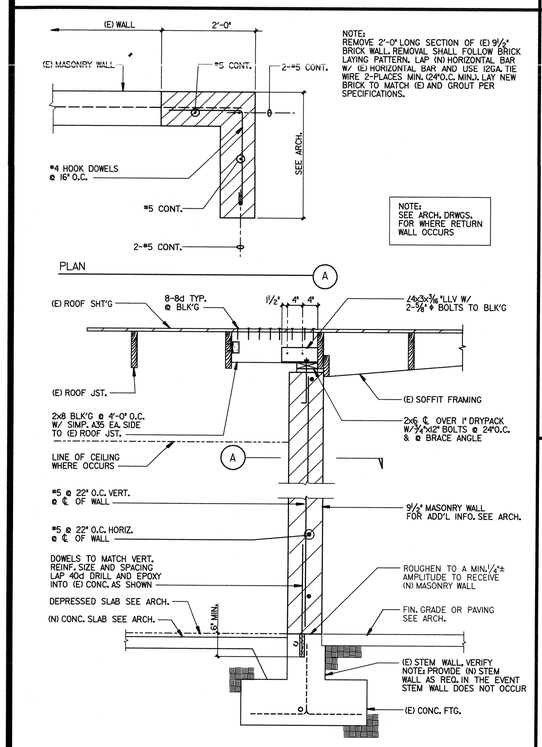
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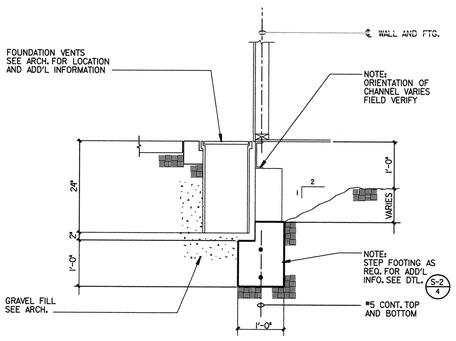
DETAIL 4

3/4"=1'-0"



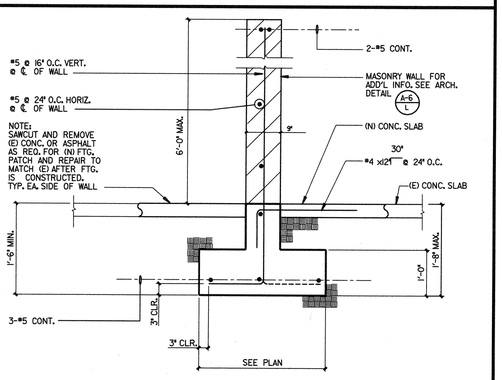
DETAIL 12

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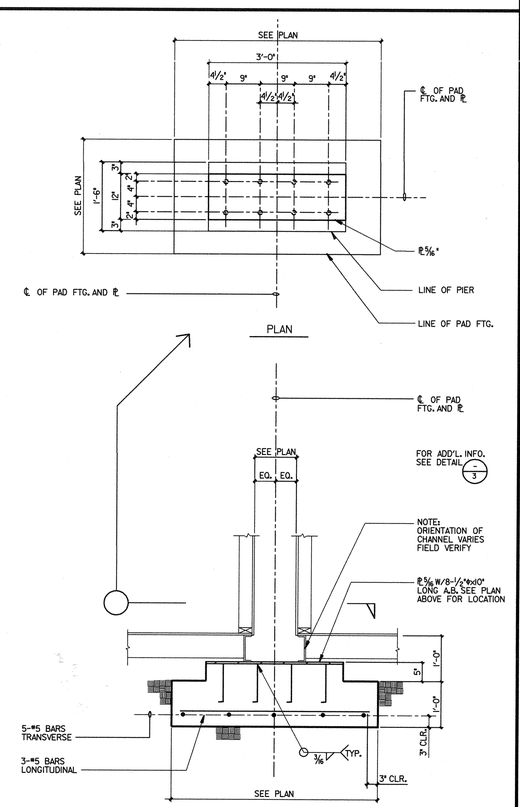
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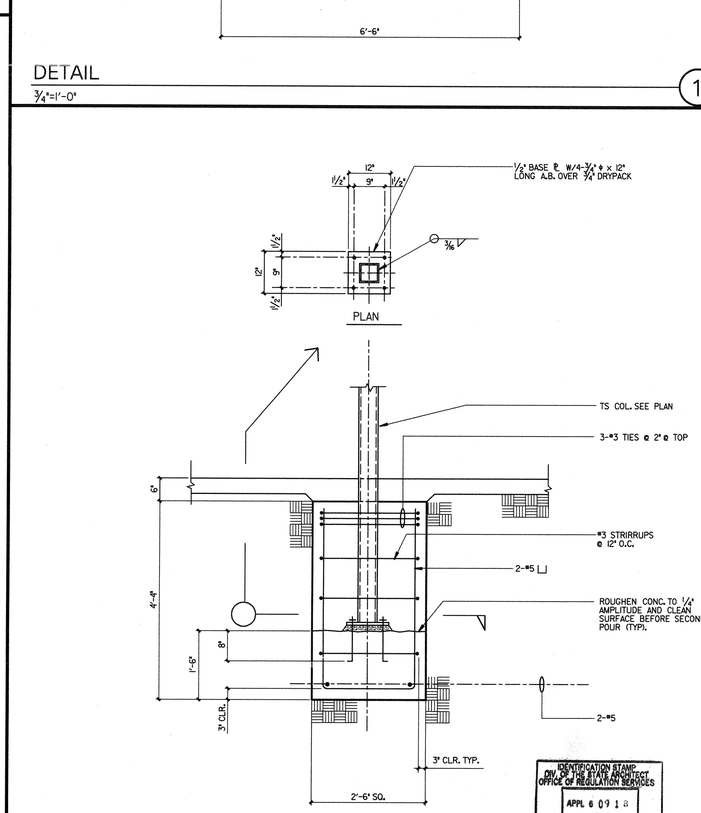
DETAIL 9

3/4"=1'-0"



DETAIL 5

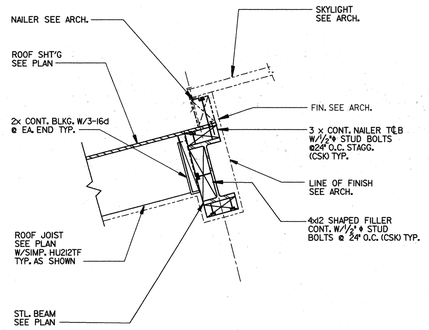
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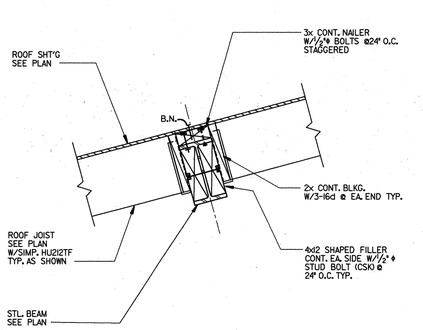
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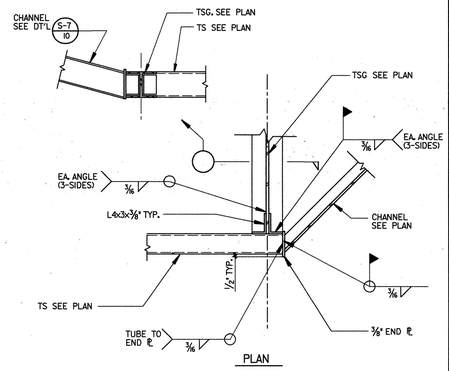
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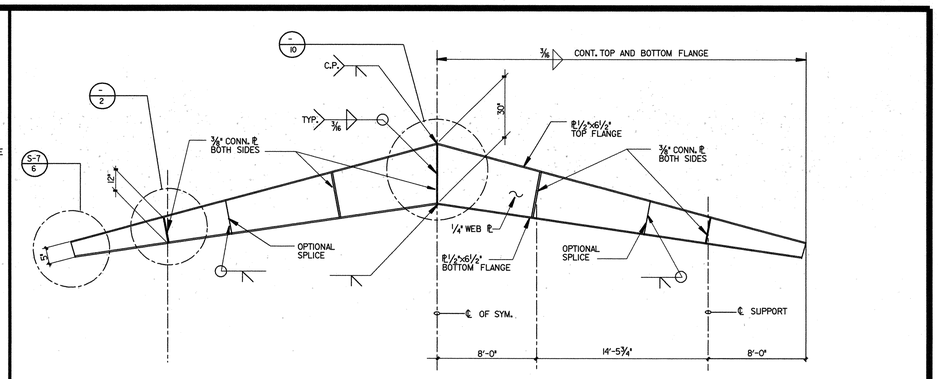
DETAIL
1" = 1'-0"
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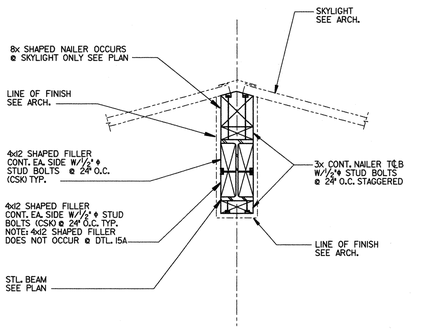
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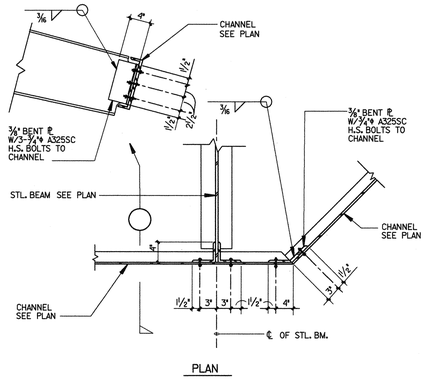
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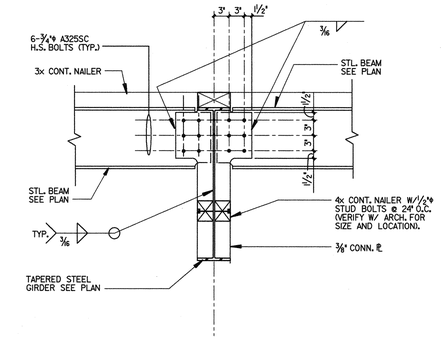
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1" = 1'-0"
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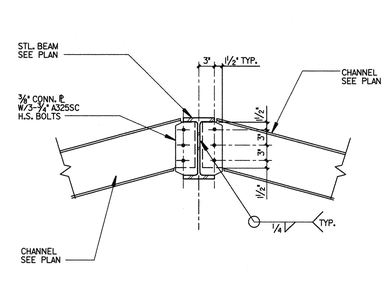
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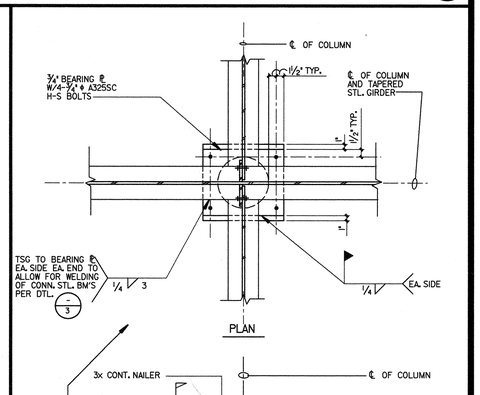
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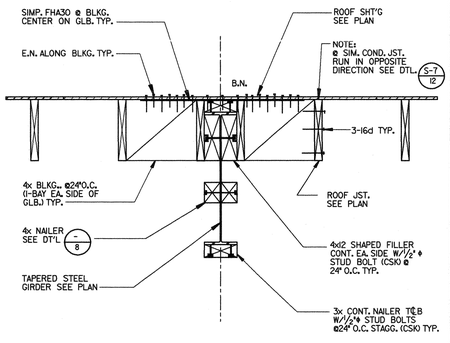
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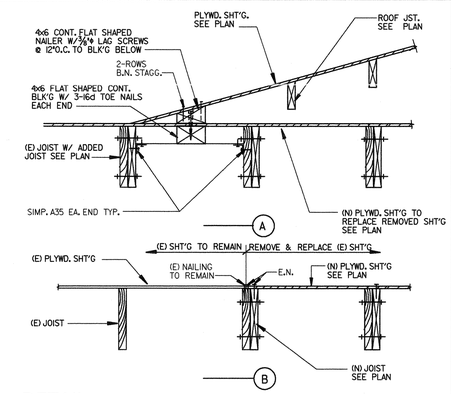
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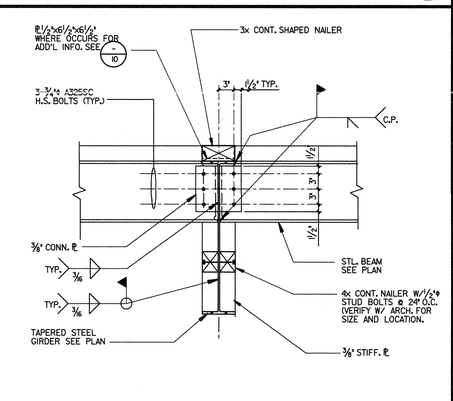
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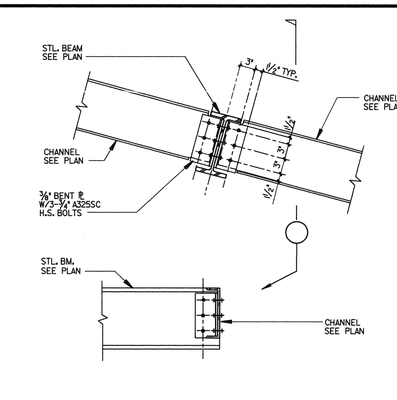
DETAIL
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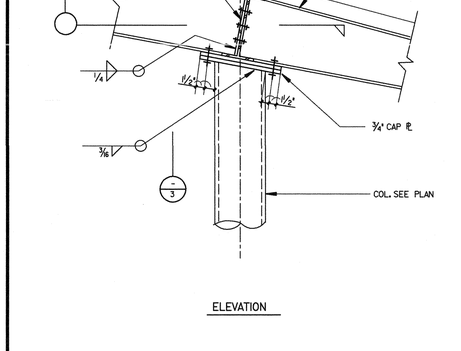
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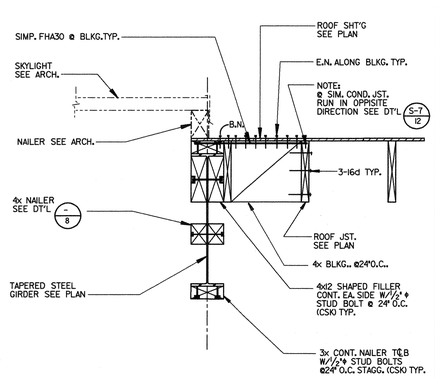
DETAIL
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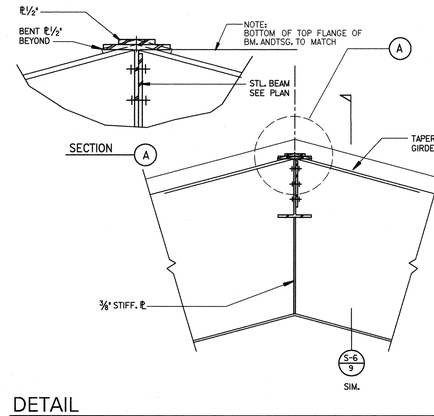
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1" = 1'-0"
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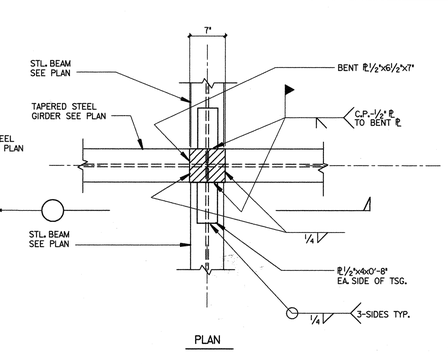
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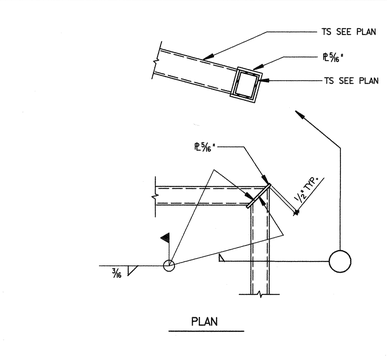
DETAIL
1" = 1'-0"
17



DETAIL
1" = 1'-0"
10



DETAIL
1" = 1'-0"
6



DETAIL
1" = 1'-0"

NTD
NEPTUNE
ARCHITECTS • ENGINEERS • PLANNERS
357 N. Sheridan St., Suite 101, Corona, California
ARCHITECT

LICENSED ARCHITECT
RICHARD D. DUNCAN
STATE OF CALIFORNIA

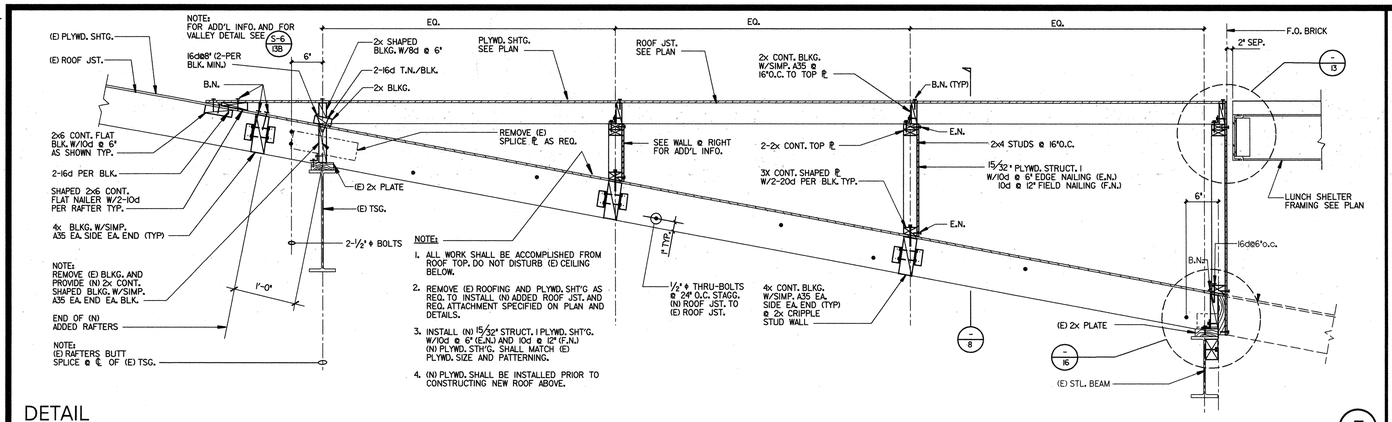
ADDITION AND ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
ROOF FRAMING DETAILS

DATE	JOB NO.	DRAWN	CHECKED
	93531	LM	LB

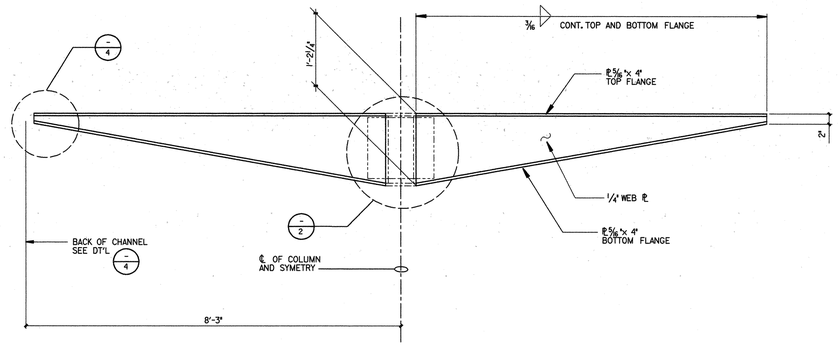
SHEET OF
S-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 09 18
AC FLS BB
DATE MAR 23 '94

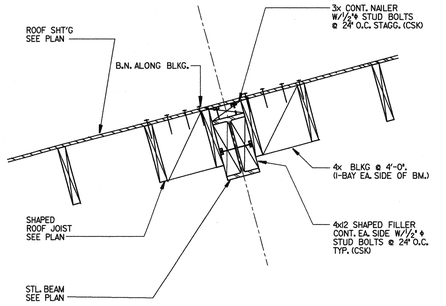
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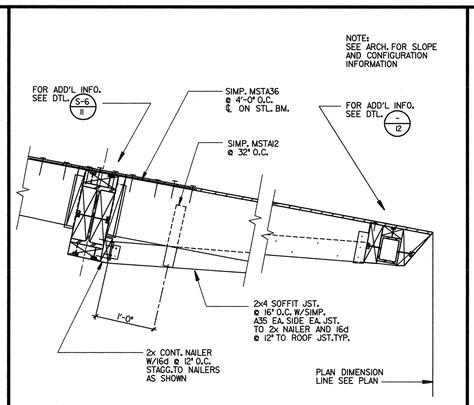
DETAIL
¾" = 1'-0"
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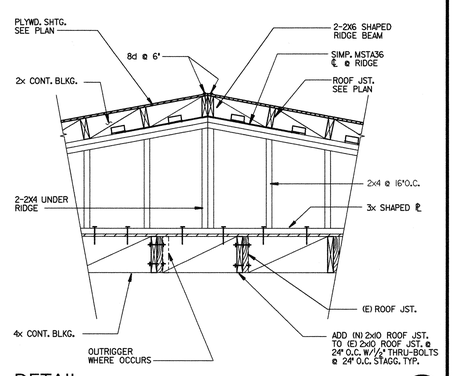
TAPERED STEEL GIRDER ELEVATION (CANTIBRELLA)
1" = 1'-0"
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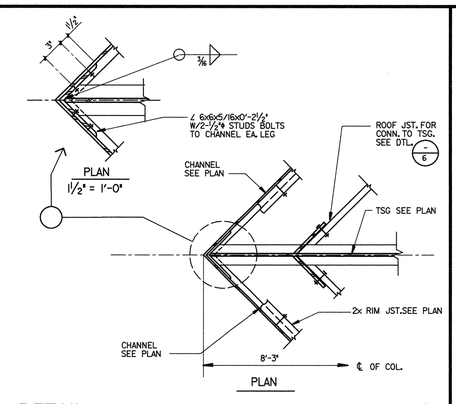
DETAIL
1" = 1'-0"
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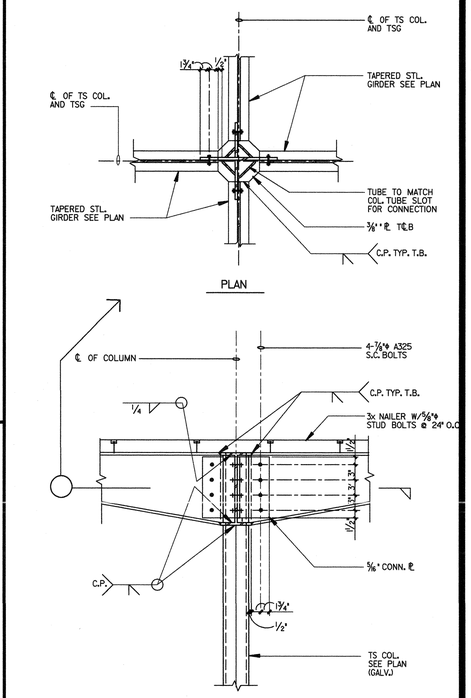
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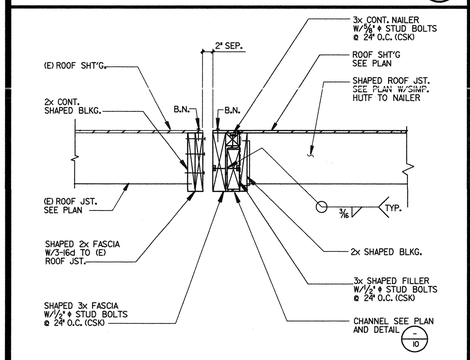
DETAIL
¾" = 1'-0"
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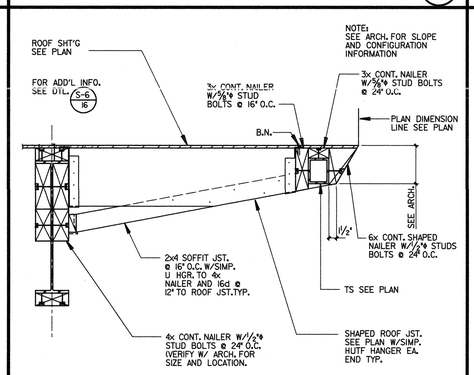
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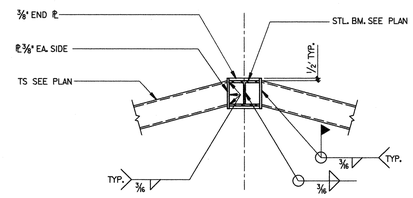
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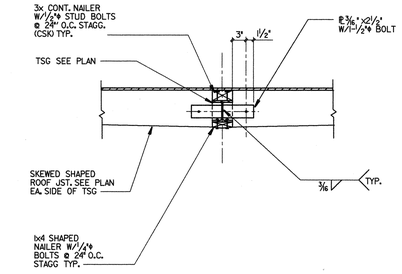
DETAIL
1" = 1'-0"
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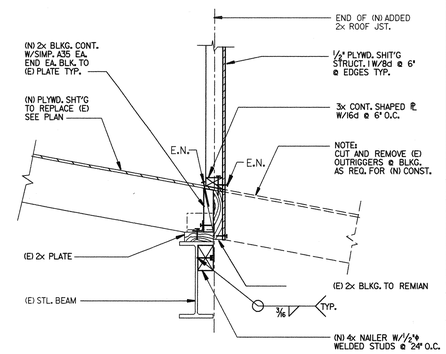
DETAIL
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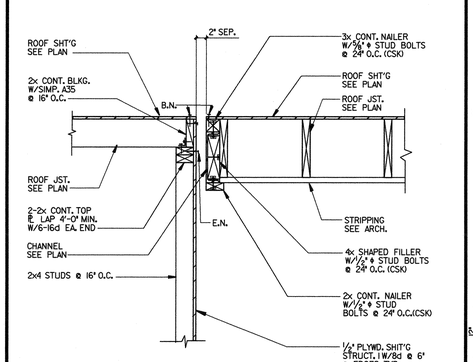
DETAIL
¾" = 1'-0"
9



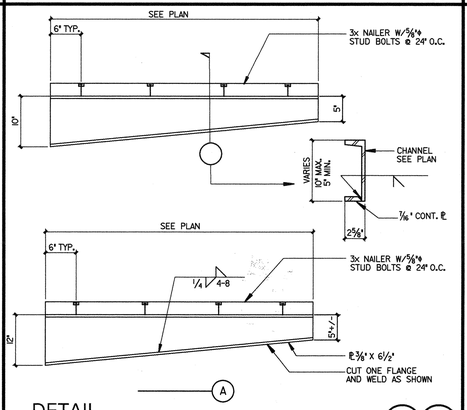
DETAIL
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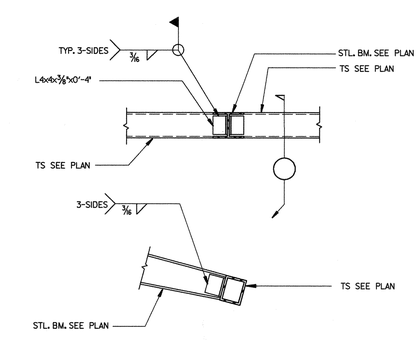
DETAIL
1" = 1'-0"
16



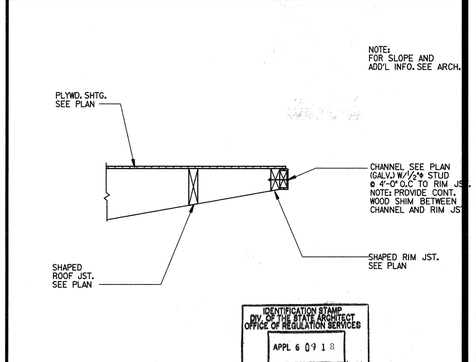
DETAIL
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DETAIL
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10A 10



DETAIL
1" = 1'-0"
6



DETAIL
1" = 1'-0"
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ARCHITECT

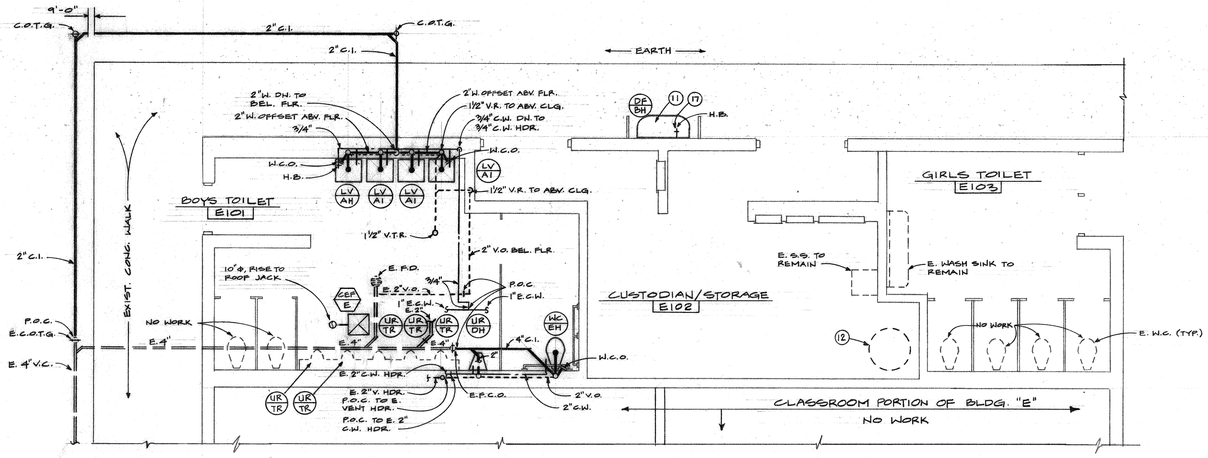
LICENSED ARCHITECT RICHARD D. DAVIS No. 21782 STATE OF CALIFORNIA

ADDITION AND ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
ROOF FRAMING DETAILS

DATE	JOB NO.	DRAWN	CHECKED
	9353I	LM	LB

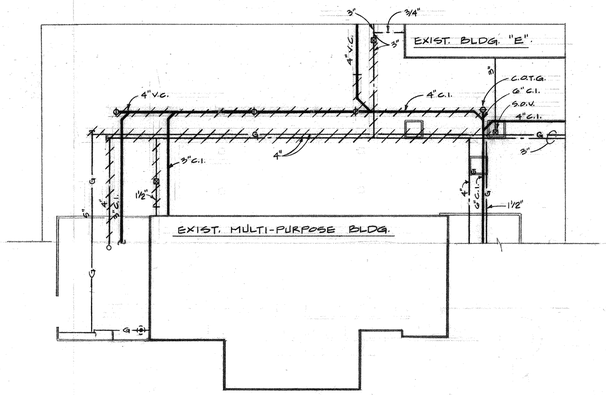
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S-7

DATE: ##DATE## TIME: ##TIME##
DESIGN FILE: ##DGN##



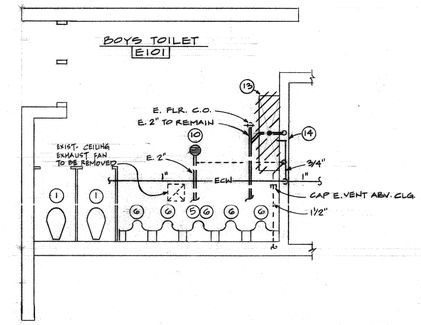
PLUMBING FLOOR PLAN
BUILDING "E" - TOILET AREAS
SCALE: 1/4"=1'-0"

N



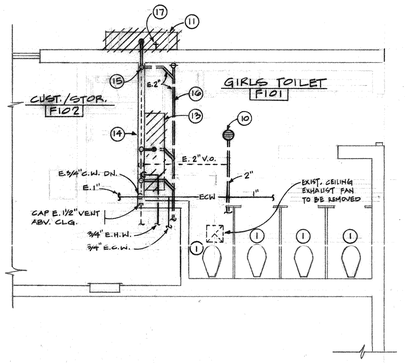
DEMOLITION
PLUMBING - PLOT PLAN
SCALE: 1"=20'-0"

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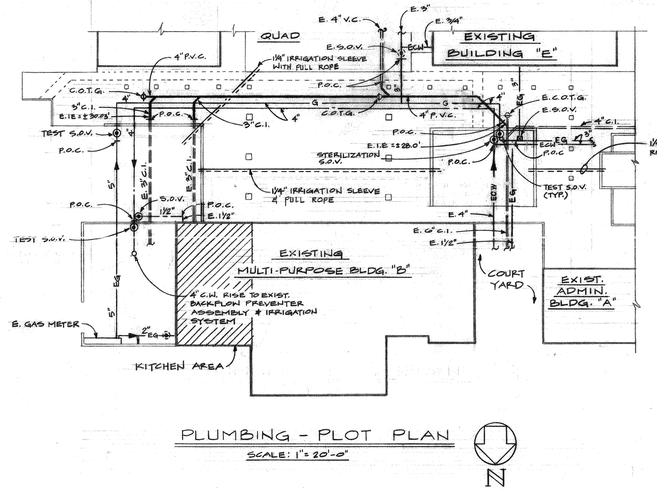
PLUMBING - DEMOLITION PLAN
BUILDING "E"
SCALE: 1/4"=1'-0"

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PLUMBING - DEMOLITION PLAN
BUILDING "F"
SCALE: 1/4"=1'-0"

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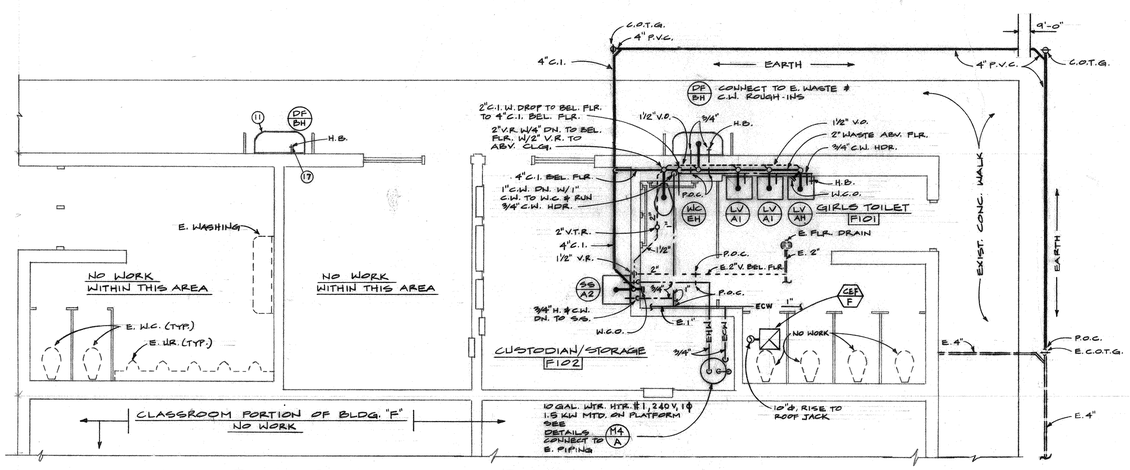


PLUMBING - PLOT PLAN
SCALE: 1"=20'-0"

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PLUMBING DEMOLITION NOTES

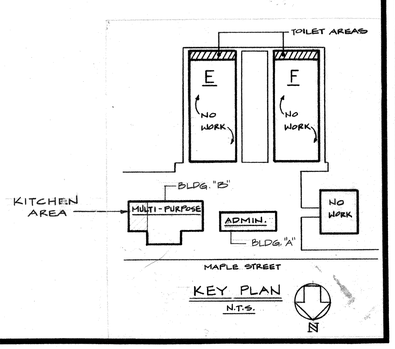
1. EXISTING WATER CLOSET & TRIM TO REMAIN.
2. EXISTING WATER CLOSET & TRIM TO BE REMOVED; WASTE TO BE CAPPED BELOW THE FLOOR, SANITARY VENT AND WATER TO BE CAPPED IN WALL.
3. EXISTING WATER CLOSET TO BE REPLACED.
4. EXISTING URINAL AND TRIM TO BE REMOVED; WASTE TO BE CAPPED IN WALL, SANITARY VENT AND WATER TO BE CAPPED IN WALL.
5. EXISTING URINAL TO BE REFURBISHED [A].
6. EXISTING URINAL FLUSH VALVES TO BE REPLACED.
7. EXISTING LAVATORY AND TRIM TO BE REMOVED; SANITARY VENT AND WATER TO BE CAPPED IN WALL.
8. EXISTING SINK & TRIM TO BE REMOVED; CAP WASTE AND WATER IN WALL, CAP EXISTING SANITARY VENT ABOVE CEILING.
9. EXISTING SINK TRIM TO REMAIN.
10. EXISTING FLOOR DRAIN TO REMAIN.
11. EXISTING DRINKING FOUNTAIN TO BE REPLACED.
12. EXISTING WATER HEATER TO REMAIN.
13. EXISTING WASH SINK AND TRIM TO BE REMOVED.
14. REMOVE EXISTING WASTE, VENT & COLD WATER FROM WALL AND CAP WASTE BELOW FLOOR.
15. REMOVE WASTE ABOVE FLOOR; CAP WASTE BELOW FLOOR LINE.
16. ABANDON EXISTING 2" WASTE LINE.
17. EXISTING HOSE BIBB TO BE REPLACED.



PLUMBING FLOOR PLAN
BUILDING "F" - TOILET AREAS
SCALE: 1/4"=1'-0"

N

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OFFICE OF REGULATION SERVICES
APPL # 09 18
AC 4 FLR C.O. 88 A.M
DATE MAR 29 1994



KEY PLAN
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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL COORDINATE HIS SITE WORK TO MEET THE OCCUPANCY DATES ESTABLISHED BY THE OWNER. THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S APPROVAL DETAILED TIME SCHEDULES INDICATING THE SEQUENCE OF WORK TO ALLOW THE OWNER TO OCCUPY THE BUILDINGS ON THE REQUIRED DATES.
2. WHILE ALL WORK IS IN PROGRESS, EXCEPT FOR SHORT DESIGNATED INTERVALS DURING WHICH CONNECTIONS ARE TO BE MADE, CONTINUITY OF SERVICE SHALL BE MAINTAINED TO ALL EXISTING SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SERVICE INTERRUPTIONS AND SHALL REPAIR ANY DAMAGES TO EXISTING SYSTEMS CAUSED BY HIS OPERATIONS.
3. SHUT-DOWN TIME OF THE EXISTING SYSTEMS SHALL BE AT TIME CONVENIENT AND AGREEABLE TO THE OWNER. EXISTING SYSTEMS MAY BE SHUT-DOWN ONLY UPON WRITTEN CONSENT AND APPROVAL BY THE OWNER.
4. THE CONTRACTOR SHALL EXERCISE UTMOST CARE WHILE TRENCHING FOR PLUMBING UTILITY LINES. EXISTING UNDERGROUND LINES MIGHT NOT BE WHERE SHOWN AND ADDITIONAL UNKNOWN PLUMBING AND ELECTRICAL LINES MIGHT ENCOUNTERED. IF LOCATION OF EXISTING UTILITIES IS NOT PRECISELY KNOWN, HAND TRENCHING SHALL BE CONSIDERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL PIPING, CONDUITS AND APPURTENANCES DAMAGED BY HIS ACTION.
5. CONTRACTOR SHALL VISIT THE EXISTING JOB SITE AND VERIFY EXISTING CONDITIONS THAT MAY AFFECT HIS BID. THE CONTRACTOR WILL BE DEEMED TO HAVE MADE SUCH EXAMINATIONS AND MADE THE NECESSARY ALLOWANCE IN THE PREPARATION OF HIS BID.
6. EXISTING SEWER CLEANOUTS SHALL BE BROUGHT UP/LOWERED DOWN TO THE NEW FINISHED GRADE; ACCESS BOXES SHALL BE REPLACED & SHALL BE SET FLUSH WITH THE NEW FINISHED GRADE/SURFACE.

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M16986
RICHARD D. DUNCAN
EXP. 12-31-96
REGISTERED PROFESSIONAL ENGINEER
CALIFORNIA

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357 North Sheridan Street, Suite 101 Corona, California 91720

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

MECHANICAL - PLOT PLANS, BLDGS. "E" & "F"

DATE	JOB NO. 93591	DRAWN MY/ELW	CHECKED

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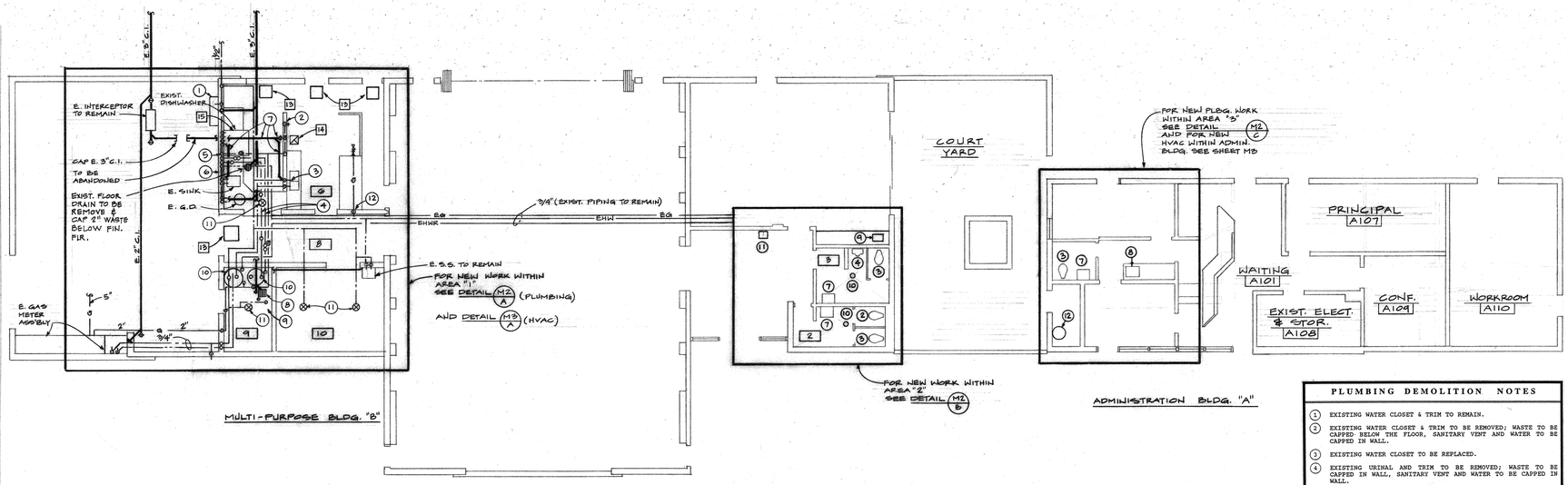
1 OF 5

MECHANICAL KITCHEN DEMOLITION NOTES

EXISTING KITCHEN EQUIPMENT SHALL BE REMOVED UNDER THE ARCHITECTURAL DIVISION OF THE SPECIFICATIONS.

ALL EXISTING MECHANICAL PIPING AND DUCT WORK DESIGNATED FOR REMOVAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

1. EXISTING DRINKING FOUNTAIN TO BE REMOVED, WASTE AND WATER TO BE CAPPED IN WALL.
2. EXISTING 3/4" GAS TO BE CAPPED IN WALL.
3. EXISTING SINK AND TRIM TO BE REMOVED; CAP WASTE AND WATER IN WALL.
4. EXISTING 180° HOT WATER PIPING ABOVE CEILING TO BE ABANDONED.
5. CAP EXISTING 3/4" GAS ABOVE CEILING AND ABANDON GAS LINE IN WALL.
6. KITCHEN (EXTERIOR EAST WALL):
   - A. CAP EXISTING 3" WASTE FROM EXISTING DISHWASHER IN WALL.
   - B. CAP EXISTING 2" WASTE FROM EXISTING SINK IN WALL.
   - C. CAP EXISTING 2" WASTE FROM EXISTING GARBAGE DISPOSER IN WALL.
   - D. ABANDON EXISTING 3/4", 180° WATER IN WALL.
   - E. CAP ALL EXISTING HOT AND COLD WATER ROUGH-INS IN WALL.
   - F. NOTE EXISTING HOT WATER AND COLD WATER SUPPLY IN WALL TO REMAIN ACTIVE.
7. EXISTING WASTE BELOW FLOOR TO BE ABANDONED.
8. EXISTING FLOOR SINK TO REMAIN.
9. ALL EXISTING PIPING FOR GAS, HOT WATER (140° & 180°) AND COLD WATER TO BE REMOVED FROM WITHIN MECHANICAL ROOM.
10. EXISTING WATER HEATER TO BE REMOVED.
11. EXISTING SPRINKLER HEADS TO BE REMOVED. CAP EXISTING COLD WATER SUPPLY ABOVE CEILING.
12. EXISTING 3/4" GAS; EXPOSED PIPING TO BE REMOVED; CAP GAS IN WALL AND ABANDON.
13. EXISTING FLY FAN TO BE REMOVED.
14. EXISTING CEILING EXHAUST FAN TO BE REMOVED.
15. EXISTING DISHWASHER HOOD, ASSOCIATED DUCTWORK AND ROOF EXHAUST FAN TO BE REMOVED.



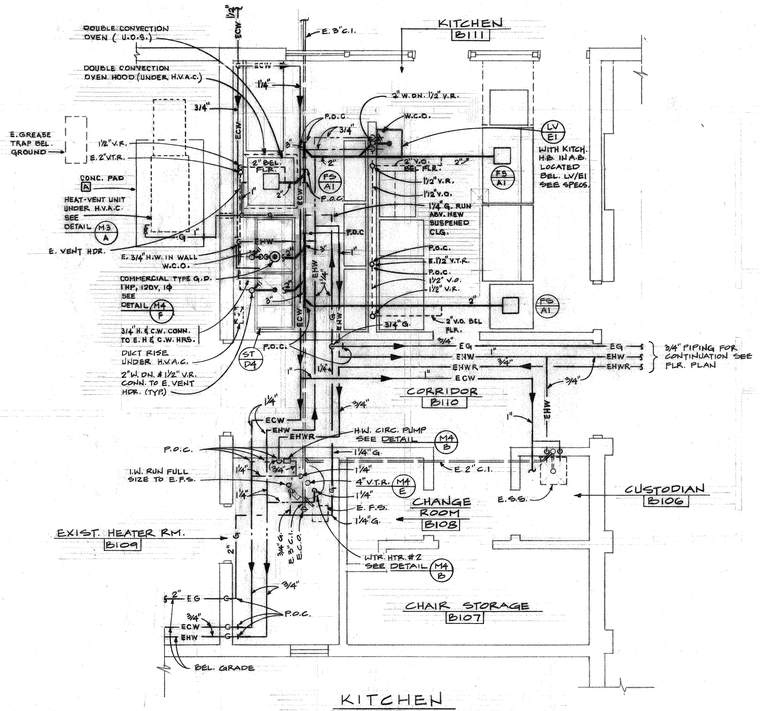
PLUMBING - FLOOR PLANS
ADMINISTRATION BLDG. "A" & MULTI-PURPOSE BLDG. "B"

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

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PLUMBING DEMOLITION NOTES

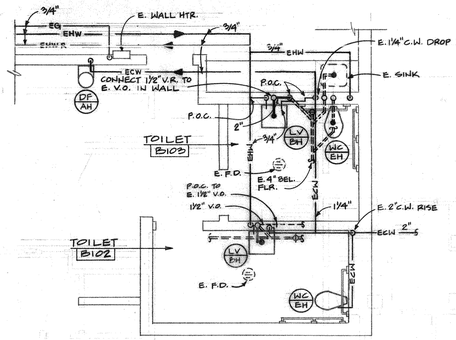
1. EXISTING WATER CLOSET & TRIM TO REMAIN.
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3. EXISTING WATER CLOSET TO BE REPLACED.
4. EXISTING URINAL AND TRIM TO BE REMOVED; WASTE TO BE CAPPED IN WALL, SANITARY VENT AND WATER TO BE CAPPED IN WALL.
5. EXISTING URINAL AND TRIM TO BE REPLACED.
6. EXISTING URINAL FLUSH VALVES TO BE REPLACED.
7. EXISTING LAVATORY AND TRIM TO BE REMOVED; SANITARY VENT AND WATER TO BE CAPPED IN WALL.
8. EXISTING SINK & TRIM TO BE REMOVED; CAP WASTE AND WATER IN WALL, CAP EXISTING SANITARY VENT ABOVE CEILING.
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15. REMOVE WASTE ABOVE FLOOR; CAP WASTE BELOW FLOOR LINE.
16. ABANDON EXISTING 2" WASTE LINE.
17. EXISTING HOSE BIBB TO BE REPLACED.



KITCHEN AREA "1" PLAN

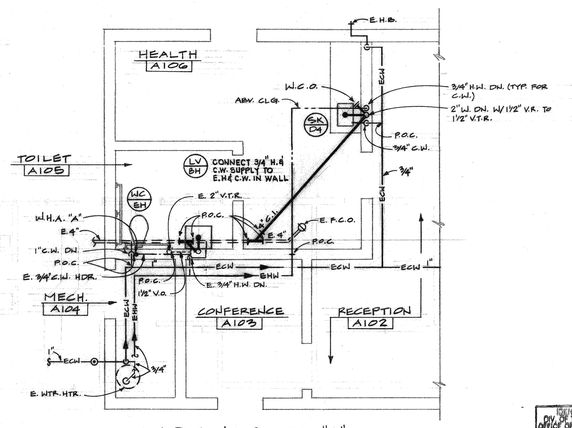
SCALE: 1/4" = 1'-0" DETAIL M2/A

NOTE:
1. INDIVIDUAL GAS SHUT-OFF VALVES SHALL BE PROVIDED FOR ALL GAS FIRED EQUIPT.
2. FOR DEMO. WITHIN AREA #1 SEE 1/A1 FLOOR PLAN.
3. COMBUSTION AIR LOUVERS (A) REQUIREMENTS; 150in.² WITHIN UPPER 12" OF HTR. RM. & 150in.² WITHIN LOWER 12" OF HTR. RM.



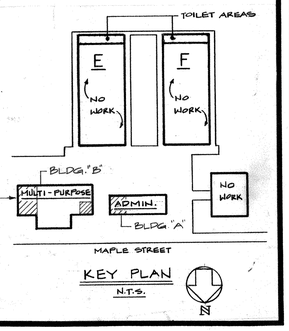
MULTI-PURPOSE BLDG. "B" AREA "2" PLAN

SCALE: 1/4" = 1'-0" DETAIL M2/B



ADMIN. BLDG. "A" AREA "3" PLAN

SCALE: 1/4" = 1'-0" DETAIL M2/C



KEY PLAN

N.T.S.

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROVED
AS NOTED
DATE MAR 23 1994

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7470 NORTH FIGUEROA STREET, 3RD FLOOR
LOS ANGELES, CALIFORNIA 90041 TEL: 213 256 2201

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LICENSED ARCHITECT RICHARD D. DUNCAN No. 8,000 STATE OF CALIFORNIA

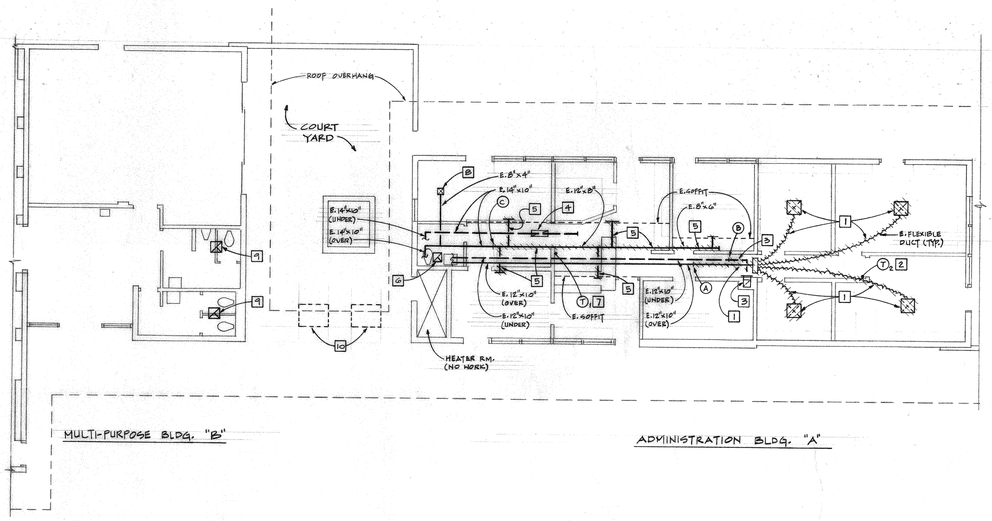
ADDITION & ALTERATIONS FOR: WILLMORE ELEMENTARY SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

PLBG. - MULTI-PURPOSE & ADMIN. BLDGS.

DATE	JOB NO.	DRAWN	CHECKED
	93931	MY/ELN	

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2 OF 5



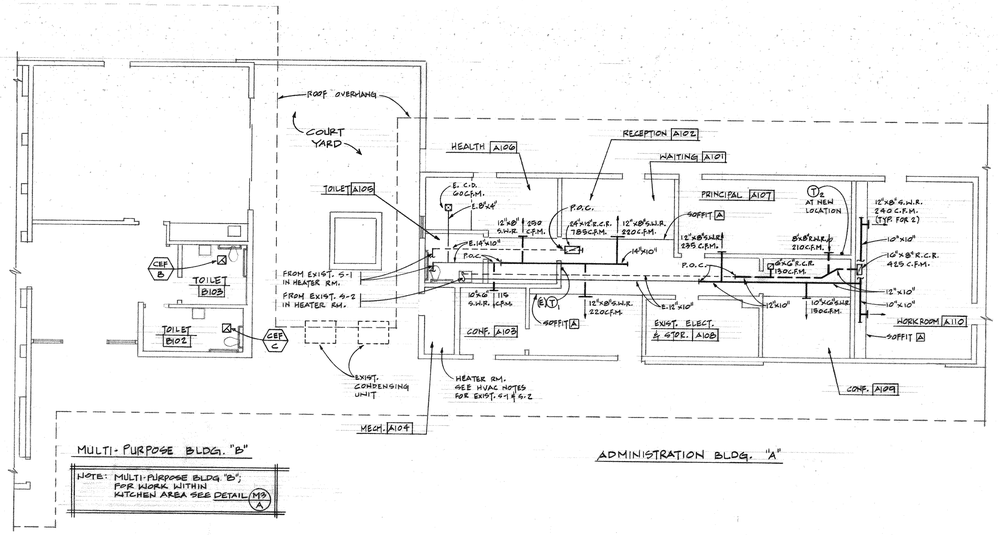
HVAC DEMOLITION PLANS
ADMINISTRATION BLDG. "A" & MULTI-PURPOSE BLDG. "B"

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

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HVAC DEMOLITION NOTES
ADMINISTRATION BUILDING

1. EXISTING SUPPLY AIR DUCT DOWNSTREAM OF POINT (A) INCLUDING FLEXIBLE DUCT & CEILING DIFFUSER TO BE REMOVED.
2. EXISTING THERMOSTAT TO BE RELOCATED.
3. EXISTING RETURN AIR DUCT DOWNSTREAM OF POINT (B) TO BE REMOVED, RETURN AIR DUCT WITHIN PARTITION TO BE ABANDONED, RETURN WALL GRILLE TO BE REMOVED & OPENING TO BE BLANKED OFF.
4. EXISTING RETURN CEILING GRILLE TO BE REMOVED, OPENING TO BE BLANKED OFF.
5. EXISTING SUPPLY AIR DUCT DOWNSTREAM OF POINT (C) & ALL ASSOCIATED SUPPLY AIR GRILLES TO BE REMOVED.
6. EXISTING CEILING EXHAUST FAN TO REMAIN.
7. EXISTING THERMOSTAT TO REMAIN.
8. EXISTING CEILING DIFFUSER TO REMAIN.
9. EXISTING CEILING EXHAUST FAN TO BE REMOVED, EXHAUST AIR DUCT & ROOF JACK TO REMAIN.
10. EXISTING CONDENSING UNIT TO REMAIN.



NOTE: MULTI-PURPOSE BLDG "B"; FOR WORK WITHIN KITCHEN AREA SEE DETAIL M9/A

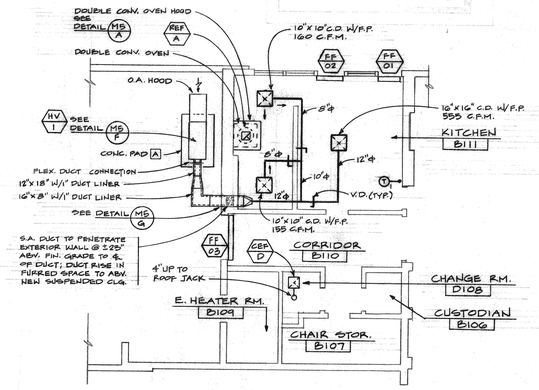
HVAC FLOOR PLANS
ADMINISTRATION BLDG. "A" & MULTI-PURPOSE BLDG. "B"

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

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HVAC NOTES
ADMINISTRATION BUILDING

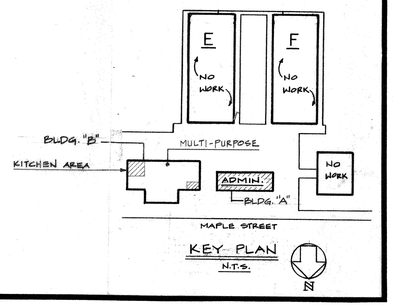
1. PROVIDE EXTRACTOR FOR EACH SUPPLY WALL REGISTER.
2. BRANCH DUCT TO EACH SUPPLY AND RETURN REGISTERS TO BE SAME SIZE AS THE CORRESPONDING REGISTERS.
3. EXISTING S-1: AMANA GHI70A30 FORCED AIR FURNACE, 115 V, 1ø, 13.6 FLA, 70 MBTUH INPUT, 56 MBTUH OUTPUT, 865 CFM S.A. @ 0.5" S.P., 80 CFM O.A. & 785 CFM R.A.
4. EXISTING S-2: AMANA GHI70A30 FORCED AIR FURNACE, 115 V, 1ø, 13.6 FLA, 70 MBTUH INPUT, 56 MBTUH OUTPUT, 865 CFM S.A. @ 0.5" S.P., 100 CFM O.A. & 765 CFM R.A.
5. EXISTING SYSTEM S-1 & S-2 TO BE READJUSTED TO SPECIFIED AIR VOLUME AS SHOWN ON DRAWING.



HVAC
KITCHEN FLOOR PLAN

SCALE: 1/8"=1'-0" DETAIL M3/A

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OFFICE OF REGULATION SERVICES
APPL # 04 1 18
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KEY PLAN
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7470 NORTH FIGUEROA STREET, 3RD FLOOR
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LICENSED ARCHITECT
RICHARD D. DUNCAN
Exp. 5-31-96
STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

HVAC - MULTI-PURPOSE & ADMIN. BLDGS.

DATE
JOB NO. 93551
DRAWN MY/ELN
CHECKED

SHEET M3 OF

STANDARD

PLUMBING FIXTURE MOUNTING HEIGHTS

FIXTURES	SYMBOL	KIND.	ELEM.	JR. HIGH	HIGH	ADULT	MOUNTING HEIGHT
WATER CLOSETS	WC	14"	14"	--	--	--	TOP OF RIM
URINALS	UR	--	17"				TOP OF LIP
LAVATORIES	LV	26"	29"				TOP OF RIM
WASH SINKS	WS	26"	29"				TOP OF RIM
SINKS	SK	10"	10"				CTR. OF SUPPLIES (a)
SERVICE SINKS	SS	--	--				CTR. OF SUPPLIES (b)
SERVICE BASINS	SB	--	--				CTR. OF SUPPLIES (c)
LAUNDRY TRAYS	LT	--	--				CTR. OF SUPPLIES (a)
BATHS	BT	--	--				CTR. OF VALVES (d)
							CTR. OF SPOUT (d)
							SHR. HD. DISCH. (d)
DRINKING FOUNTAINS	DF	28"	31"				BUBBLER OUTLET (c)
ELECTRIC FOUNTAINS	EF	--	31"				BUBBLER OUTLET (c)
SHOWER UNITS, MALE	SH	--	--				SHR. HD. OUTLET (c)
SHOWER UNITS, FEMALE	SH	--	--				SHR. HD. OUTLET (c)
SAFETY FIXTURES,	SF						
EYE WASH		--	--				EYE WASH HEAD (c)
SHR. HEAD		--	--				SHR. HD. OUTLET (c)
SINK TRIM	ST	--	--				CTR. OF SUPPLIES (a)
APPLIANCE TRIM	AT						
WASHER		--	--				BOTTOM OF BOX (c)
LABORATORY SINKS	LS	--	--				CTR. OF SUPPLIES (a)
LABORATORY TRIM	LB	--	--				CTR. OF SUPPLIES (a)
GARBAGE CAN CLEANER	GC	--	--				CTR. OF SUPPLIES (c)

(a) ABOVE COUNTER TOP (WALL FAUCETS)
(b) ABOVE TOP OF FIXTURE RIM
(c) ABOVE FINISHED FLOOR
(d) ABOVE TUB RIM

PHYSICALLY HANDICAPPED

PLUMBING FIXTURE MOUNTING HEIGHTS

FIXTURES	SYMBOLS	MOUNTING HEIGHT	TITLE 24 REQUIREMENTS
WATER CLOSETS	WC/AH,WC/BH	17" TO TOP OF SEAT	SEC. 5-1502, 17" TO 19" TO TOP OF SEAT, *
URINALS	UR/AH	17" TO TOP OF LIP	SEC. 5-1503, 17" MAX. TO TOP OF LIP, **
LAVATORIES	LV/AH, LV/BH	29" TO BOTTOM OF APRON	SEC. 5-1504, 29" MIN. TO BOTTOM OF APRON, ***
WASH FOUNTAINS	WF/-H	29" TO BOTTOM OF BOWL, 34" TO TOP OF RIM	
DRINKING FOUNTAINS	DF/AH, DF/BH, DF/CH	36" TO BUBBLER OUTLET, 27" KNEE SPACE	SEC. 1507, FIG. 2-5-3, 36" MAX. TO BUBBLER OUTLET, 27" MIN. KNEE SPACE
ELECTRIC FOUNTAINS	EF/BH, EF/CH	36" TO BUBBLER OUTLET, 27" KNEE SPACE	SEC. 1507, FIG. 2-5-3, 36" MAX. TO BUBBLER OUTLET, 27" MIN. KNEE SPACE
SHOWER UNITS	SH/AH, SH/HH, SH/EH	40" TO MIXING VALVE, 48" TO HAND SHOWER, 40" TO SOAP DISH	SEC. 1505, 40" MAX. TO MIXING VALVE, 48" MAX. TO HAND SHOWER, 40" MAX. TO SOAP DISH

* 44" MAX. TO FLUSH VALVE CONTROL; CONTROL LOCATED ON WIDE SIDE OF WATER CLOSET

** 44" MAX. TO FLUSH VALVE CONTROL

*** 10 SEC. MIN. OPERATION OF SELF-CLOSING VALVE

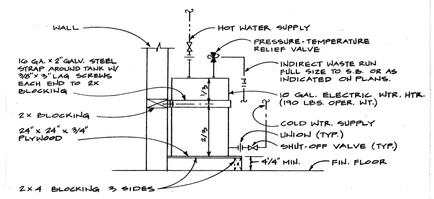
PLUMBING FIXTURE SCHEDULE

FIXTURE	SYMBOL	TRAP	WASTE	VENT	C.W. CONN.	H.W. CONN.
F. V. WATER CLOSET	WC	INTEGRAL	4"	2"(a)	1"	--
F. T. WATER CLOSET	WC	INTEGRAL	4"	2"(a)	1/2"	--
F. V. URINAL	UR	INTEGRAL	2"	1-1/2"	3/4"	--
LAVATORY	LV	(b)	2"	1-1/2"	1/2"	1/2"(c) (d)
WASH SINK	WS	1-1/2"	2"	1-1/2"	1/2"	1/2"(c) (d)
WASH FOUNTAIN	WF	1-1/2"	2"	1-1/2"	1/2"(e)	1/2"(e)
SINK	SK	1-1/2"(a)	2"(a)	1-1/2"(a)	1/2"	1/2"(c) (d)
SERVICE SINK	SS	2"	2"	1-1/2"	1/2"	1/2"
SERVICE BASIN	SB	2"	2"	1-1/2"	1/2"	1/2"
LAUNDRY TRAY	LT	1-1/2"	2"	1-1/2"	1/2"	1/2"
BATH	BH	2"	2"	1-1/2"	1/2"	1/2"
DRINKING FOUNTAIN	DF	1-1/2"	2"	1-1/2"	1/2"	--
ELECTRIC FOUNTAIN	EF	(b)	2"	1-1/2"	1/2"	--
FLOOR DRAIN	FD	2"(a)	2"(a)	1-1/2"(a)	--	--
FLOOR SINK	FS	2"(a)	2"(a)	1-1/2"(a)	--	--
ROOF DRAIN	RD	--	(f)	--	--	--
OVERFLOW DRAIN	OD	--	(f)	--	--	--
ROOF SINK	RS	2"	2"	1-1/2"	--	--
SHOWER UNIT	SH	--	--	--	1/2"	1/2"(d)
EYE WASH UNIT	SF	1-1/2"	2"	1-1/2"	1/2"	--
DRENCH SHOWER	SF	--	--	--	1"	--
DRENCH SHOWER & EYE WASH UNIT	SF	1-1/2"	2"	1-1/2"	1"	--
EMERGENCY SHOWER/ BOOTH	SF	2"	2"	1-1/2"	1-1/4"	--
SINK TRIM	ST	1-1/2"(a)	2"(a)	1-1/2"(a)	1/2"	1/2"(c) (d)
WASHER TRIM	AT	2"	2"	1-1/2"	1/2"	1/2"
LABORATORY SINK	LS	1-1/2"(a)	2"(a)	1-1/2"(a)	--	1/2"(c) (d)
DOMESTIC DISHWASHER	DW	--	--	--	--	1/2"

(a) UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
(b) 1-1/4" x 1-1/2"
(c) WHERE APPLICABLE
(d) HOT WATER OR TEMPERED WATER AS APPLICABLE
(e) 3/4" WATER TO 4, 6 AND 8 STATION UNIT
(f) AS INDICATED ON THE DRAWINGS

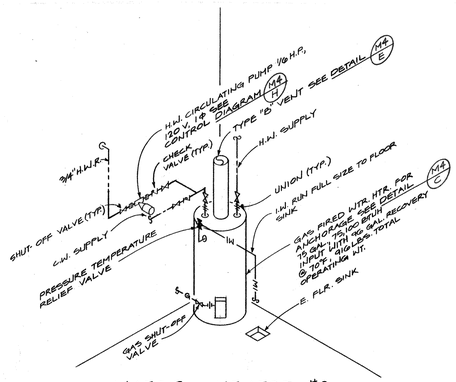
MECHANICAL SYMBOLS AND ABBREVIATIONS

———	SOIL WASTE OR SEWER	S. OR W.
═══	EXISTING SOIL, WASTE OR SEWER	
//////////	ITEM TO BE REMOVED	
- - - - - - - - - -	SANITARY VENT	
——— - ———	COLD WATER	C.W.
——— - - ———	HOT WATER	H.W.
——— - - - ———	HOT WATER RETURN	H.W.R.
——ECW——	EXISTING COLD WATER	
——EHW——	EXISTING HOT WATER	
——EHWR——	EXISTING HOT WATER RETURN	
——T——	TEMPERED WATER	T.W.
——IND——	INDUSTRIAL WATER	
——A——	AIR LINE	A.
——F——	FIRE LINE	F.L.
——G——	FUEL GAS (LOW PRESSURE)	G.
——XG——	FUEL GAS (HIGH PRESSURE)	X.G.
——IW——	INDIRECT WASTE	I.W.
——XI——	IRRIGATION MAIN	X.I.
	SHUT-OFF VALVE	S.O.V.
	PRESSURE REDUCING VALVE	P.R.V.
	PRESSURE-TEMPERATURE RELIEF VALVE	P-T REL. V.
	CHECK VALVE	C.V.
	SHUT-OFF VALVE IN BOX	
	CLEANOUT TO GRADE	C.O.T.G.
	WALL CLEANOUT	W.C.O.
	FLOOR CLEANOUT	F.C.O.
	HOSE BIBB	H.B.
	DROP	
	RISE	
	FIRE SPRINKLER HEAD	
	UNION	
A.F.F.	ABOVE FINISHED FLOOR	
V.R.	VENT RISE	
V.O.	VENT OFFSET	
V.T.R.	VENT THRU ROOF	
W.H.	WATER HEATER	
F.D.	FLOOR DRAIN	
F.S.	FLOOR SINK	
S.B.	SERVICE BASIN	
S.S.	SERVICE SINK	
G.H.V.	GARDEN HOSE VALVE	
A.B.	ACCESS BOX	
A.P.	ACCESS PANEL	
P.O.C.	POINT OF CONNECTION	
F.G.	FINISHED GRADE	
N.I.C.	NOT IN CONTRACT	
R.I. & C.	ROUGH-IN & CONNECT	
U.O.S.	UNDER OTHER SECTION	
W.H.A.	WATER HAMMER ARRESTER	
PREFIX "E"	INDICATES EXISTING	
H.V.	HEAT/VENT UNIT	
R.E.F.	ROOF EXHAUST FAN	
○	DENOTES PLUMBING DEMOLITION NOTES	
□	DENOTES HVAC DEMOLITION NOTES	
C.D.	CEILING DIFFUSER	
E.C.R.	EXHAUST CEILING REGISTER	
(S)	MANUAL SWITCH	
(T)	ROOM THERMOSTAT	
A	FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL DIVISION OF THE SPECIFICATIONS.	
E	FURNISHED AND INSTALLED UNDER THE ELECTRICAL DIVISION OF THE SPECIFICATIONS.	
S	FURNISHED AND INSTALLED UNDER THE STRUCTURAL DIVISION OF THE SPECIFICATIONS.	



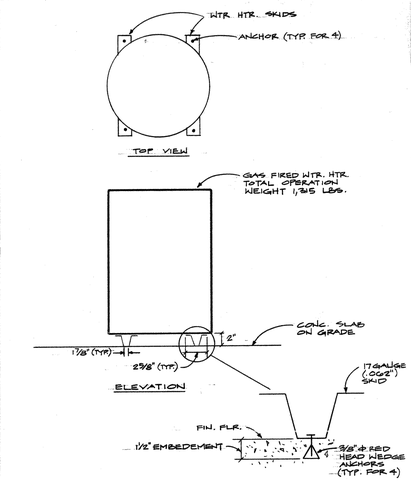
ELECTRIC WATER HEATER #1

SCHEMATIC: (FOR PIPE SIZING SEE FLOOR PLANS) DETAIL M4/A



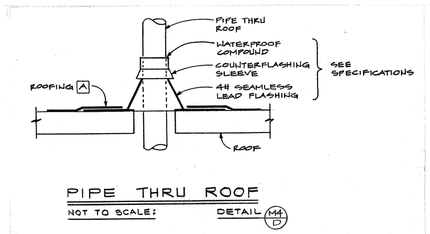
WATER HEATER #2

NOT TO SCALE: DETAIL M4/B



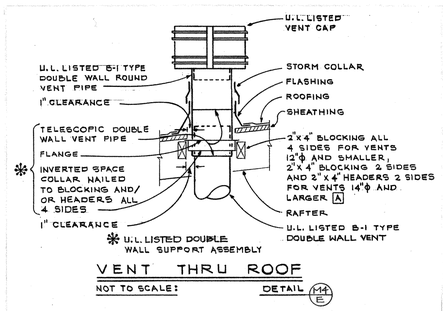
WATER HEATER ANCHORAGE

N.T.S. DETAIL M4/C



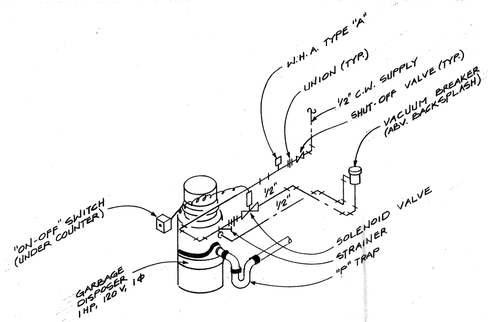
PIPE THRU ROOF

NOT TO SCALE: DETAIL M4/D



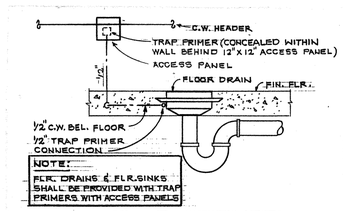
VENT THRU ROOF

NOT TO SCALE: DETAIL M4/E



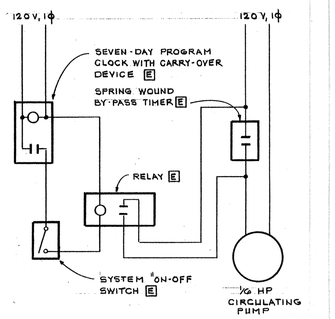
PIPING ARRANGEMENT AT GARBAGE DISPOSER

NOT TO SCALE: DETAIL M4/F



TRAP PRIMER

NOT TO SCALE: DETAIL M4/G



HOT WATER CIRCULATING PUMP CONTROL DIAGRAM

SCHEMATIC: DETAIL M4/H

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LICENSED ARCHITECT
RICHARD D. DUNCAN
No. C-11,906
Exp. 3-31-96
STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

PLBG. - SCHEDULES & DETAILS

DATE
JOB NO. 93531
DRAWN MY/ELN
CHECKED RD

SHEET OF
M4

GREENHECK EXHAUST FAN SCHEDULE

BUILDING	FAN	TYPE	MODEL	ELECTRICAL H.P.	ELECTRICAL V	ELECTRICAL PH.	CFM	S.P.	SONES	DUCT CONNECTION	UNIT OPER. WT.LBS.	REMARKS 1	2	3	4	5	6	
~~BLDG. A~~	~~CEF/A~~	~~CEILING~~	~~SP-127~~	~~190W~~	~~120~~	~~1~~	~~220~~	~~3/8"~~	~~5.9~~	~~7-1/2" X 7"~~	~~21~~			~~X~~	~~X~~			~~OMITTED~~
BLDG. B	CEF/B	CEILING	SP-117	75W	120	1	120	3/8"	3.3	6-1/2" X 5"	15	X	X					
	CEF/C	CEILING	SP-117	75W	120	1	140	3/8"	3.3	6-1/2" X 5"	15	X	X					
	CEF/D	CEILING	SP-6	40W	120	1	50	3/8"	3.0	4"ø	6			X	X			
	REF/A	ROOF	GB-100-4	1/4	120	1	870	3/8"	7.1	12" X 12"	50					X		
BLDG. E	CEF/E	CEILING	SP-152	224W	120	1	390	3/8"	5.4	7-1/2" X 7"	31	X	X					
BLDG. F	CEF/F	CEILING	SP-152	224W	120	1	390	3/8"	5.4	7-1/2" X 7"	31	X	X					

(1) CONNECT TO EXISTING EXHAUST AIR DUCTWORK.
(2) REPLACE ELECTRICAL AS REQUIRED [E].
(3) INTERLOCKED WITH LIGHT SWITCH [E].
(4) ROOF JACK.
(5) MANUAL ON/OFF SWITCH [E].

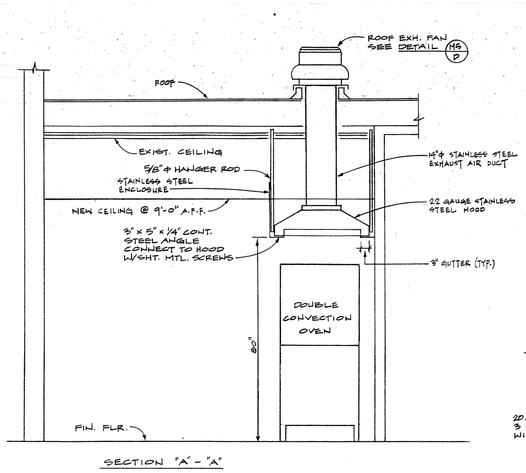
REZNOR HEAT/VENT UNIT SCHEDULE

UNIT	:	HV/1
MODEL	:	HCRGB75
ELECTRICAL	:	240V, 1ø, 1/2 H.P.
SUPPLY AIR	:	870 C.F.M. @ 0.80" ESP.
BTUH INPUT	:	75,000
BTUH OUTPUT	:	60,000
E.A.T.	:	38°F
L.A.T.	:	101°F
FILTERS	:	1 - 20" x 25" x 2" & 1 - 25" x 25" x 2"
OPER. WT.	:	439 LBS.
REMARKS	:	100% O.A. HOOD

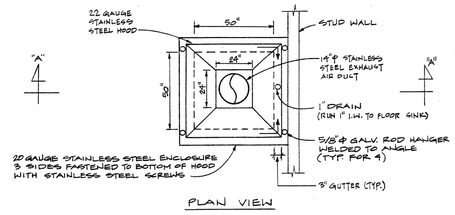
MARS FLY FAN SCHEDULE

UNIT	DOOR WIDTH	MODEL	ELECTRICAL H.P.	ELECTRICAL V	ELECTRICAL PH.	CFM AT NOZZLE	FPM AT NOZZLE	OPER. WT. LBS.
FF/01	3'-0"	36CH	1/2	115	1	2,550	3,400	63
FF/02	3'-6"	42CH	1/2	115	1	2,550	2,925	65
FF/03	6'-0"	72CH	TWO-1/2	115	1	5,100	3,400	120

REMARKS:
1. INTERLOCKED WITH DOOR SWITCH [E].



SECTION "A" - "A"

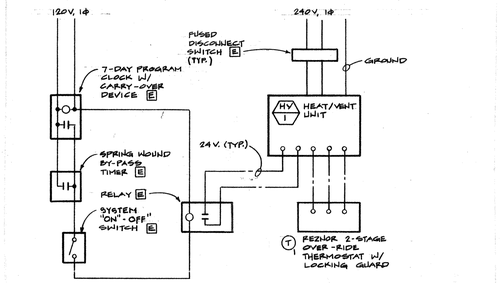


PLAN VIEW

DOUBLE CONVECTION OVEN HOOD

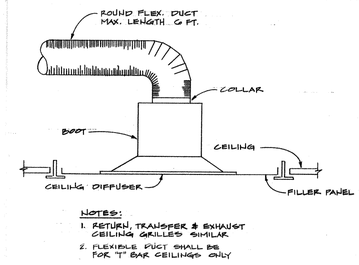
N.T.S. DETAIL M5/A

NOTE: SEE STRUCT. DRWGS. S2.1/6 FOR HOOD SUPPORT DETAIL



HEAT/VENT UNIT CONTROL DIAGRAM

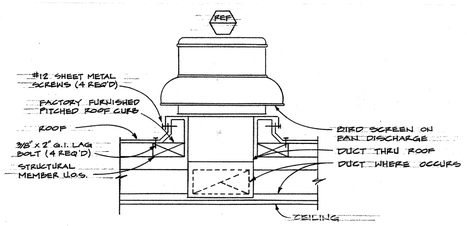
SCHEMATIC: DETAIL M5/B



NOTES:
1. RETURN, TRANSFER & EXHAUST CEILING GRILLES SIMILAR.
2. FLEXIBLE DUCT SHALL BE FOR "T" BAR CEILINGS ONLY

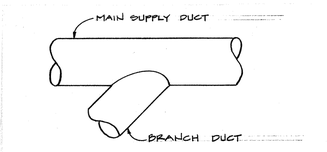
TYPICAL CEILING DIFFUSER

NO SCALE: DETAIL M5/C



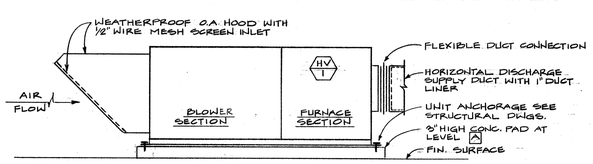
ROOF EXHAUST FAN

NO SCALE: DETAIL M5/D



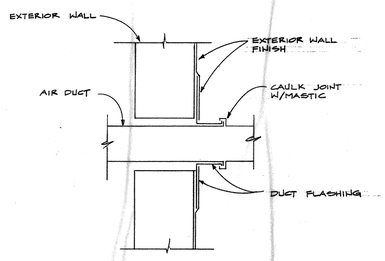
TYPICAL BRANCH TAKE-OFF

NO SCALE: DETAIL M5/E



HEAT - VENT UNIT

N.T.S. DETAIL M5/F



EXTERIOR WALL PENETRATION

NOT TO SCALE: DETAIL M5/G

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LICENSED ARCHITECT
RICHARD D. DUNCAN
No. 9338
STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

HVAC - SCHEDULES & DETAILS

DATE
JOB NO. 92531
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CHECKED

SHEET M5 OF

DEMOLITION NOTES

1. THE CONTRACTOR SHALL PRIOR TO BID TIME, VISIT THE JOB SITE AND WALK THROUGH THE DIFFERENT AREAS WHERE THE DEMOLITION AND NEW WORK WILL BE PERFORMED AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND THE EXTENT OF THE DEMOLITION WORK AND CLARIFY ALL QUESTIONS WITH CONTRACTOR AND/OR ELECTRICAL ENGINEER.

2. PRIOR TO STARTING AND DURING DEMOLITION WORK AND WHILE WORKING ON ELECTRICAL EQUIPMENT, THE CONTRACTOR SHALL FOLLOW ALL SAFETY PROCEDURES AND REGULATIONS AS REQUIRED BY ALL GOVERNING BODIES, INCLUDING BUT NOT LIMITED TO, THE CITY, FEDERAL, STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH. NOTIFY ALL WORKERS OF THESE REGULATIONS.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR NOT TO DAMAGE ANY EXISTING UTILITY LINES AND EQUIPMENT, IN OR BELOW SLAB, IN THE CEILING OR ABOVE THE CEILING SPACE AND IN WALLS, INCLUDING BUT NOT LIMITED TO GAS, WATER, FIRE, SEWAGE AND DRAINAGE LINES AND ELECTRICAL CONDUITS AND WIRING, ETC. WHICH SHALL BE IN THE WAY OF DEMOLITION WORK, CONTRACTOR SHALL TAKE ALL PRECAUTIONS, INCLUDING HAND-BREAKING OF CONCRETE IF NECESSARY, TO PREVENT SUCH DAMAGE. ON THE FIRST OCCURRENCE OF ANY SUCH DAMAGE, THE CONTRACTOR SHALL STOP ALL CUTTING, HAND-BREAKING AND/OR DEMOLITION WORK AND IMMEDIATELY CONTACT THE OWNER AND ELECTRICAL ENGINEER FOR FURTHER INSTRUCTIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REPAIRING INSTRUCTIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REPAIRING DAMAGED UTILITY LINES AND EQUIPMENT. THE METHOD OF SUCH REPAIRS SHALL BE APPROVED BY THE OWNER AND/OR ELECTRICAL ENGINEER PRIOR TO PROCEEDING.

4. DEMOLITION WORK PERFORMED IN AREAS WHERE THE OPERATION OF THE EXISTING FACILITY SHOULD CONTINUE OR SHOULD NOT BE INTERRUPTED, CONTRACTOR SHALL PERFORM THE FOLLOWING:

   A. COORDINATE THE NEW AND DEMOLITION ELECTRICAL WORK WITH OTHER TRADES' WORK SCHEDULE.

   B. KEEP THE SHUT-DOWN TIME TO A SCHEDULE DETERMINED BY THE SCHOOL DISTRICT.

   C. COORDINATE THE NEW AND DEMOLITION WORK WITH WORKING HOURS DETERMINED BY THE SCHOOL DISTRICT.

   D. PROVIDE REQUIRED ELECTRICAL, TELEPHONE AND AUXILIARY SYSTEM OUTLETS AND SERVICES TO AVOID INTERRUPTING THE OPERATION OF EXISTING FACILITY.

   E. INCLUDE ALL COSTS OF PRIME TIME AS WELL AS OTHER COSTS IN BID. NO EXTRAS WILL BE ALLOWED.

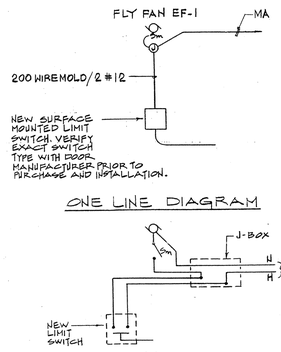
5. DE-ENERGIZE ALL BRANCH CIRCUITS SERVING OUTLETS AND FEEDERS SERVING PANELS TO BE WORKED ON AN INDICATED ON DRAWINGS AND/OR REQUIRED BY OTHER TRADES TO COMPLETE THE DEMOLITION WORK. TAPE PROPERLY BOTH ENDS OF CONDUCTORS TO BE ABANDONED AND PROVIDE BLANK COVER PLATES ON OUTLET BOXES FOR ALL OUTLETS TO BE REMOVED.

6. CIRCUIT BREAKERS IN EXISTING PANELS FEEDING BRANCH CIRCUIT TO BE DE-ENERGIZED AND DISCONNECTED, SHALL REMAIN AS SPARE CIRCUIT BREAKERS AND SHALL BE IDENTIFIED "SPARE" ON PANEL DIRECTORY.

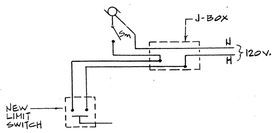
7. DRILLING OR WELDING TO BUILDING STRUCTURE IS NOT ACCEPTABLE WITHOUT WRITTEN PERMISSION.

8. DISCLAIMER:

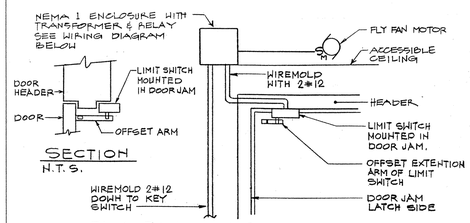
   THE INFORMATION ON ALL ELECTRICAL DRAWINGS IS A REPRESENTATION OF EXISTING CONDITIONS BASED ON THE MOST INFORMATION AVAILABLE. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING CIRCUIT INCLUDING CIRCUIT NUMBERS AND EQUIPMENT LOCATIONS PRIOR TO COMMENCING WITH THE DEMOLITION. ALL EXISTING RECEPTACLES, OUTLETS, SWITCHES, LIGHTS, ETC. SHALL REMAIN IN SERVICE UNLESS SPECIFICALLY NOTED. WHERE REMOVAL OF AN EXISTING WALL OR CEILING RESULTS IN INTERRUPTIONS OF ELECTRICAL SUPPLY TO SUCH REMAINING FACILITIES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL BRANCH CIRCUITRY TO RE-FEED (CIRCUITING SHALL BE DE-ENERGIZED AT LAST ACTIVE OUTLET). IN THE EVENT OF A DISCREPANCY INVOLVING CIRCUIT NUMBERS, ETC. THE ELECTRICAL CONTRACTOR SHALL PERFORM THE REQUIRED FUNCTIONS WITHOUT ADDITIONAL COST TO THE OWNER.



ONE LINE DIAGRAM

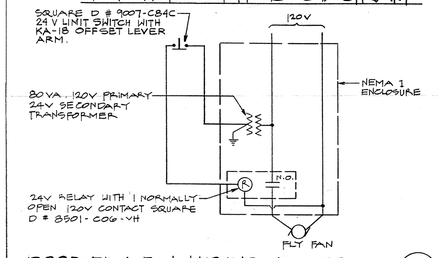


FLY FAN CONTROL WIRING DIAGRAM (A / E-1)



SECTION
N.T.S.

FLY FAN CONTROL DIAGRAM



DOOR FLY FAN WIRING DIAGRAM (B / E-1)
FF-3A SHOWN FF-3B SIMILAR

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12, THHN OR THWN COPPER, 600 VOLT RATED FOR BRANCH CIRCUITRY.
2. ALL SYMBOLS SHOWN ON SYMBOL LIST ARE NOT NECESSARILY USED ON THIS PROJECT.
3. SUBSCRIPTS a, b, c, ETC. SHOWN AT LIGHT SWITCH SYMBOLS ARE TO DISTINGUISH BETWEEN SWITCHES.
4. +4'-6" INDICATED A MOUNTING HEIGHT FROM FINISH FLOOR TO CENTER OF EQUIPMENT OR OUTLET. "M.H." INDICATE A MOUNTING HEIGHT FROM FINISH FLOOR TO BOTTOM OF FIXTURE OR DEVICE.
5. PRIOR TO START OF WORK AND INSTALLATION OF ELECTRICAL, ALL OUTLETS SHALL BE VERIFY WITH ARCHITECTURAL DRAWING TO ENSURE THE PROPER HEIGHT AND LOCATION WITH TO RESPECT TO CABINETS, EQUIPMENT, VIEW SCREEN, ETC. ALL MOUNTING HEIGHT OF OUTLETS MUST BE CONFIRMED WITH THE ARCHITECT PRIOR TO THEIR INSTALLATION, WHETHER OR NOT MOUNTING HEIGHT ARE SHOWN ON PLANS.
6. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF CEC, CITY, AND STATE BUILDING CODES AND OTHER LOCAL GOVERNING AUTHORITIES.
7. ALL WORK/MATERIALS SHOWN ON PLANS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.
8. CUT AND PATCH TO MATCH ALL EXISTING CONSTRUCTION AS REQUIRED FOR THE PROPER INSTALLATION OF NEW ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS, AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.
9. CONTRACTOR SHALL PROVIDE 3M SEAL ON ALL CONDUIT INSTALLED AND WHICH PENETRATES THROUGH ARCHITECTURAL WALL ASSEMBLIES.
10. ALL EXPOSED CONDUIT RUNS SHALL BE TIGHT TO CEILING AND/OR WALLS AND SHALL BE RUN PERPENDICULAR AND/OR PARALLEL TO BUILDING WALL AND/OR CEILINGS.
11. SCHOOL EQUIPMENT ANCHORAGE:

    THE FOLLOWING IS FOR THE MECHANICAL/ELECTRICAL ENGINEER'S INFORMATION ONLY:

    THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (G) AND TABLE 23-p. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

    ADD THE FOLLOWING NOTE TO THE MECHANICAL/ELECTRICAL DRAWINGS:

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

    EQUIPMENT ON GRADE = 20% OF OPERATING WEIGHT

    EQUIPMENT ON STRUCTURE = 30% OF OPERATING HEIGHT

    FOR FLEXIBLY MOUNTED EQUIPMENT USE 4x THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3x THE HORIZONTAL FORCE.

    THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, i = 1.0 AND SEISMIC ZONE, Z = 0.4.

    WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.
12. OBTAIN AND PAY FOR ALL PERMITS, FEES, AND LICENSES REQUIRED FOR INSTALLATION OF THE ELECTRICAL WORK.
13. BEFORE STARTING ANY WORK, EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, INCLUDING ARCHITECTURAL, MECHANICAL, AND PLUMBING, VERIFY ALL DIMENSIONS, SPACE REQUIREMENTS, AND POINTS OF CONNECTION TO ALL EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH OTHER TRADES. MAJOR (REQUIRING COST ADJUSTMENTS) DISCREPANCIES SHALL BE RESOLVED IN WRITING PRIOR TO PERFORMING THE WORK.
14. THE DRAWINGS INDICATE, IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS AND ARRANGEMENT OF THE COMPONENTS OF THE ELECTRICAL WORK. DETERMINE EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORTS, AND UNDEFINED CONSTRUCTION DETAILS AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.
15. ALL MATERIALS INSTALLED SHALL BE NEW, FREE FROM DEFECTS, AND SUITABLE FOR THE INTENDED USE. ULL LABELS AND/OR AUTHORIZED TEST LAB APPROVALS SHALL BE OBTAINED WHEREVER REQUIRED BY CODE AUTHORITIES.
16. PROVIDE AND MAINTAIN RECORD DRAWINGS ON THE JOB THAT ACCURATELY REFLECT THE CURRENT AS-BUILT STATUS OF THE PROJECT. SURRENDER AS-BUILT DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
17. ALL EQUIPMENT OR DEVICES MOUNTED OUTDOORS SHALL BE WEATHERPROOF.
18. PROVIDE A GREEN GROUND WIRE IN ALL FLEX AND PVC CONDUITS AS REQUIRED PER CEC.
19. THE CONTRACTOR SHALL CONSULT AND COOPERATE FULLY WITH ALL OTHER CONTRACTORS FURNISHING LABOR, MATERIALS OR SERVICES, SO THAT THE WORK, AS A WHOLE SHALL BE EXECUTED IN THE MOST EFFICIENT MANNER, AND WITHOUT CONFLICT OR DELAY.
20. CONTRACTOR SHALL CONDUCT SUCH TESTS OF ANY PORTION OF INSTALLATION AS MAY BE NECESSARY TO INSURE FULL COMPLIANCE WITH PLANS AND SPECIFICATIONS. COST OF TEST SHALL BE BORNE BY CONTRACTOR AND CONTRACTOR SHALL PROVIDE ALL INSTRUMENTS, EQUIPMENT, LABOR AND MATERIALS TO COMPLETE TESTS.
21. TO MAINTAIN FIRE SPRINKLER ON RETAINING WALL, WHERE BACK-TO-BACK ELECTRICAL OUTLET. CONTRACTOR SHALL MAINTAIN 24" SEPARATION AS PER SECTION CBC 4303(c)2.

DEFERRED APPROVAL NOTE:
FIRE ALARM SYSTEM
THE FIRE ALARM SYSTEM (i.e. EQUIPMENT, DEVICES, STROBE, HORN, INCLUDING WIRING ETC.) SHALL BE PROVIDED AND INSTALL BY SCHOOL DISTRICT UNDER SEPARATE CONTRACT.

1. SCHOOL DISTRICT CONTRACTOR WORK SHALL INCLUDE: ALL DESIGN, ENGINEERING CALCULATION, SFM LISTING OF EQUIPMENT AND DEVICES, ETC. INCLUDING SUBMITTAL REVIEW TO OSA FOR APPROVAL.
2. INSTALLATION OF FIRE ALARM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS ARE APPROVED BY THE OFFICE OF THE STATE ARCHITECT.
3. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
4. DEFERRED APPROVAL NOTES APPLY TO ALL PERMANENT AND RELOCATABLE BUILDING ON THIS SITE.

SYMBOLS LIST

FIRE ALARM SYSTEM

- (FA) DESIGNATES THE MAIN CONTROL PANEL, 6'-6" TO TOP, U.O.N. FURNISHED AND INSTALLED BY SCHOOL DISTRICT
- (ANN) DESIGNATES THE REMOTE ALARM ANNUNCIATOR PANEL, 6'-6" TO TOP, U.O.N.
- (FAA) DESIGNATES THE REMOTE TERMINAL CABINET, 6'-6" TO TOP, U.O.N. ("A" INDICATES BUILDING).
- (S) CEILING MOUNTED SMOKE DETECTOR.
- (DD) DUCT MOUNTED SMOKE DETECTOR.
- (AV) AUDIO VISUAL COMBINATION DEVICE, WALL OR CEILING MOUNTED. @ +80"AFF.
- (H) HORN, W.P., VANDAL RESISTANT, WALL MOUNT AT 8'-0" U.O.N.
- END OF LINE RESISTOR (E.O.L.)
- FIRE ALARM PULL STATION @ +48" (WEATHERPROOF WHEN LOCATED OUTSIDE)
- FA MINIMUM 3/4"C.O. WITH PULL-WIRE, UNLESS OTHER WISE NOTED
- (V) STROBE FLASHER DEVICE, WALL MOUNTED @ +80"A.F.F.

FURNISH AND INSTALLED CONDUIT RACEWAY & OUTLET BOXES ONLY. WIRING AND DEVICES TO BE PROVIDED BY SCHOOL DISTRICT SEE DEFERRED APPROVAL NOTE BELOW.

SECURITY SYSTEM

- (SEC) DESIGNATES EQUIPMENT CABINET WITH CONTROL PANELS. FURNISH AND INSTALL BY SCHOOL DISTRICT
- (SAA) DESIGNATES REMOTE TERMINAL CABINET, 6'-6" TO TOP, U.O.N. ("A" INDICATES BLDG.)
- CEILING OR WALL MOUNTED MOTION SENSOR.
- (D) MAGNETIC DOOR CONTACT SWITCH FLUSH MOUNTED IN DOOR FRAME HEADER.

TELEPHONE/INTERCOM/PROGRAM CLOCK SYSTEM

- (MPA) DESIGNATES THE MAIN CONTROL EQUIPMENT RACK OR PANEL, U.O.N.
- (PAA) DESIGNATES REMOTE TERMINAL CABINET, 6'-6" TO TOP, U.O.N. ("A" INDICATES BLDG.).
- SPEAKER, FLUSH CEILING MOUNTED, U.O.N.
- SPEAKER, FLUSH WALL MOUNTED AT +8'-0" U.O.N. (W.P. INDICATES WEATHERPROOF, VANDAL RESISTANT).
- SPEAKER-HORN, WALL MOUNTED +8'-0" U.O.N.
- CLOCK, WALL MOUNT AT 8'-0" U.O.N.
- (CA) DESIGNATES CLOCK SYSTEM REMOTE TERMINAL CABINETS, 6'-6" TO TOP U.O.N. ("A" INDICATES BUILDING).
- CLASSROOM TELEPHONE WITH KEY PAD, WALL MOUNT AT +4'-0" U.O.N. WITH MINIMUM 3/4"C.O. & PULL WIRE HOME RUN TO MAIN TELEPHONE BACKBOARD.
- ADMINISTRATIVE TELEPHONE OUTLET, FLUSH MOUNTED @ +18" U.O.N. WITH MINIMUM 3/4"C.O. & PULL WIRE HOME RUN TO MAIN TELEPHONE BACKBOARD.
- ADMINISTRATIVE TELEPHONE FLUSH FLOOR OUTLET. WITH MINIMUM 3/4"C.O. & PULL WIRE HOME RUN TO MAIN TELEPHONE BACKBOARD.

COMPUTER DATA SYSTEM

- (MD) DESIGNATES MAIN DATA TERMINAL CABINET.
- (DAA) DESIGNATES REMOTE DATA TERMINAL CABINET 6'-6" TO TOP U.O.N. ("A" INDICATES BLDG.).
- COMPUTER "D" OUTLET BOX +18" MIN. SEE GENERAL NOTES (WITH 3/4" C.O. AND PULL WIRE HOMERUN TO MAIN TELEPHONE BACKBOARD)
- COMPUTER DATA OUTLET IN FLUSH FLOOR BOX. - SEE GENERAL NOTES (WITH 3/4"C.O. AND PULL WIRE HOMERUN TO MAIN TELEPHONE BACKBOARD)

ABBREVIATIONS

C.B.	CIRCUIT BREAKER	V.D.	VOLTAGE DROP
CKT	CIRCUIT	W.P.	WEATHERPROOF
C.O.	CONDUIT ONLY	PNL	PANEL
GFI	GROUND FAULT INTERRUPTER	S.E.	SERVICE ENTRANCE
ISCA	SHORT CIRCUIT CURRENT	V.L.	VERIFY LOCATION IN THE FIELD PRIOR TO ROUGH-IN.
U.G.	UNDERGROUND	A.I.C.	AMPERE INTERRUPTING CAPACITY RATING.
U.O.N.	UNLESS OTHERWISE NOTED	TYP.	TYPICAL

"X"	ADJACENT TO LIGHT FIXTURE OR OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO REMAIN.
"XR"	ADJACENT TO LIGHT FIXTURE OR OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE REMOVED.
"XX"	IN CONDUIT RUN INDICATES EXISTING CONDUIT RUN TO BE REWIRED. PULL OUT EXISTING WIRES AND INSTALL NEW WIRES; QUANTITY AND SIZE AS INDICATED.
"XA"	ADJACENT TO LIGHT FIXTURE OR OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE ABANDONED. REMOVE DEVICE AND INSTALL BLANK PLATE AND PULL WIRES FORM CONDUIT AS REQUIRED.
"XRR"	ADJACENT TO ELECTRICAL OUTLET, EQUIPMENT, ETC. INDICATES EXISTING TO BE REMOVED AND REPLACED WITH NEW WORK.

TERMS

PROVIDE- CONTRACTOR TO FURNISH, INSTALL AND CONNECT IN THIS CONTRACT.

- INCANDESCENT LIGHTING FIXTURE, WALL MOUNTED
- FLUORESCENT LIGHT FIXTURE WITH OUTLET BOX, WALL MOUNTED
- FLUORESCENT LIGHT FIXTURE WITH OUTLET BOX, SURFACE MOUNTED
- OUTDOOR POLE MOUNTED LIGHTING FIXTURE WITH SINGLE OR DUAL ARM LUMINARES, SEE LIGHTING FIXTURE SCHEDULE
- (A / 120) LIGHTING FIXTURE DESIGNATION: "A" INDICATES FIXTURE: SEE LIGHTING FIXTURE SCHEDULE NUMERICAL INDICATES TOTAL WATTAGE
- 125 VOLT, 2P, 3W, 15 AMP NEMA 5-15R GROUNDING TYPE DUPLEX CONVENIENCE RECEPTACLE VERTICALLY MOUNTED AT +18" U.O.N.
- GROUNDING TYPE SINGLE CONVENIENCE RECEPTACLE, +18" U.O.N.
- GROUNDING TYPE DUPLEX CONVENIENCE RECEPTACLE HORIZONTALLY MOUNTED +2" ABOVE SPLASH OR +4" ABOVE COUNTER TOP U.O.N.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE VERTICALLY MOUNTED AT +18" U.O.N.
- DUPLEX CONVENIENCE OUTLET IN FLUSH FLOOR BOX
- SPECIAL RECEPTACLE AS NOTED, +18" U.O.N.
- 125 VOLT, 2P, 3W, 15 AMP NEMA L5-15R TWISTLOCK DUPLEX RECEPTACLE FLUSH MOUNTED IN CEILING
- 125 VOLT, 2P, 3W, 15 AMP GROUND FAULT CIRCUIT INTERRUPTING DUPLEX RECEPTACLE HORIZONTALLY MOUNTED 2" ABOVE SPLASH U.O.N.
- COMPUTER RECEPTACLE MOUNTED IN FLUSH FLOOR BOX
- S SURFACE MOUNTED STAINLESS STEEL MULTI-OUTLET RACEWAY WITH PREWIRED SINGLE RECEPTACLES 6" ON CENTER + 2" ABOVE COUNTER SPLASH. TOGGLE SWITCH, +4'-0" TO TOP. SUFFIXES ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING: NO SUFFIX = SINGLE POLE 2 = 2 POLE 3 = 3 WAY K = KEY OPERATED MC = DPST MOMENTARY CONTACT SWITCH P = WITH PILOT LIGHT a, b, c, ETC. INDICATES OUTLET CONTROLLED LV = LOW VOLTAGE SWITCH M = TOGGLE SWITCH MOTOR CONTROLLER WITH THERMAL OVERLOAD
- (DH) DIMMER SWITCH, U.O.N. WALL MOUNT AT +4'-0" U.O.N.
- FLUSH FLOOR JUNCTION BOX
- (J) JUNCTION BOX, 4"x4" U.O.N.
- (P/S) CONCRETE PULL BOX, SIZE AS NOTED U.O.N.
- MOTOR OUTLET
- (T) THERMOSTAT, +4'-0"
- (BT) BYPASS TIMER, +4'-0" U.O.N.
- FLUSH MOUNTED PANEL, +6'-6" TO TOP
- SURFACE MOUNTED PANEL, +6'-6" TO TOP
- FLUSH MOUNTED CABINET OR EQUIPMENT AS NOTED, +6'-6" TO TOP, U.O.N.
- SURFACE MOUNTED CABINET OR EQUIPMENT AS NOTED, +6'-6" TO TOP, U.O.N.
- PLYWOOD TERMINAL BACKBOARD, 4'x8'x3/4" U.O.N.
- DISTRIBUTION SWITCHBOARD OR PANELBOARD, SEE SINGLE LINE DIAGRAM
- (M) METER SOCKET AS PER POWER COMPANT REQUIREMENTS, SEE SINGLE LINE DIAGRAM
- TRANSFORMER, SEE SINGLE LINE DIAGRAM
- DISCONNECT SWITCH, SIZE NUMBER OF POLES AND FUSE RATING AS INDICATEC.
- MAGNETIC MOTOR STARTER, SEE SINGLE LINE DIAGRAM
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM
- SWITCH AND FUSES, SEE SINGLE LINE DIAGRAM
- GROUND, SEE SINGLE LINE DIAGRAM
- (R) RELAY SIZE, NUMBER OF POLE AND VOLTAGE AS NOTED, MOUNTED IN ENCLOSURE OR OUTLET BOX, U.O.N.
- (HA) DESIGNATES FEEDER. SIMPLE LINE DIAGRAM FOR FEEDER CONDUIT & CONDUCTOR SIZE.
- (HA) EXISTING DISTRIBUTION SWITCHBOARD, OR PANELBOARD DESIGNATION ("L" INDICATES LOW VOLTAGE PANELBOARD 120/240V OR 120/208V. "H" INDICATES HIGH VOLTAGE 277/480V)
- HA NEW DISTRIBUTION SWITCHBOARD, OR PANELBOARD DESIGNATION ("L" INDICATES LOW VOLTAGE PANELBOARD 120/240V OR 120/208V. "H" INDICATES HIGH VOLTAGE 277/480V)
- A-1,3 CONDUIT HOMERUN TO PANEL "A"; CIRCUITS 1,3
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
- -c- SIGNAL SYSTEMS COMMUNICATION CONDUITS RUN REFER TO PLAN TO DETERMINE CONDUITS QUANTITY, SIZE, USE, ETC.
- -HV- 5" C.O. (CABLE BY S.C.E.)
- CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT RUN EXPOSED
- CONDUIT STUB-OUT, CAPPED
- CONDUIT UP
- CONDUIT DOWN
- FLEXIBLE CONDUIT

CONDUIT WIRE FILL:

- #10 INDICATES #10 WIRE IN LIEU OF #12.
- 1/2"C. 2#12 THWN/THHN U.O.N. — 3/4"C.6#10 THWN/THHN
- 1/2"C. 3#12 THWN/THHN U.O.N. — 3/4"C.7#10 THWN/THHN
- 1/2"C. 4#12 THWN/THHN U.O.N. — 3/4"C.8#10 THWN/THHN
- 1/2"C. 5#12 THWN/THHN U.O.N. — 3/4"C.9#10 THWN/THHN
- (A / E-3) DETAIL "A" ON DRAWING SHEET E-3
- -W- SURFACE MOUNTED METAL RACEWAY EQUAL TO WIREMOLD #700
- W WHEN LOCATED NEXT TO OUTLET, i.e. SWITCH, RECEPTACLE, ETC. PROVIDE SURFACE MOUNTED WIREMOLD BOX FOR INSTALLATION OF DEVICE SHOWN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04 18
AC FLRGC 68
DATE MAR 23 1994

LICENSED ARCHITECT RICHARD D. DORAN No. 5138 STATE OF CALIFORNIA

ELECTRICAL ENGINEER RICHARD D. KINSEY No. 6678 STATE OF CALIFORNIA

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ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

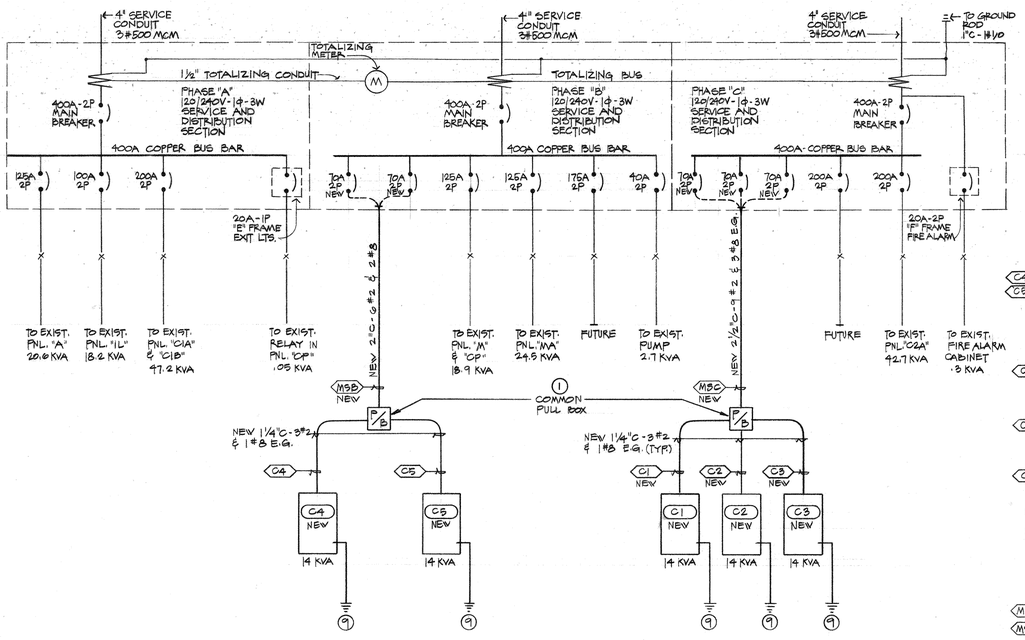
SYMBOLS, NOTES

DATE 12-21-93
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SHEET 1 OF 4

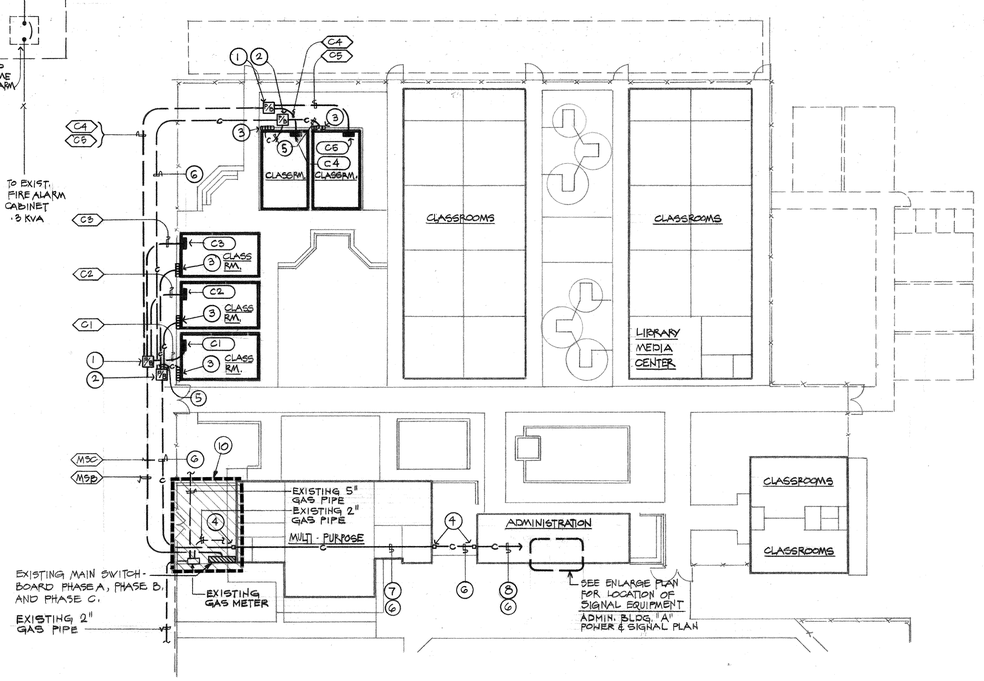
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SINGLE LINE DIAGRAM

NOT TO SCALE



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

NORTH

SINGLE LINE DIAGRAM NOTES:

1. UNLESS OTHERWISE DENOTED: "NEW" ALL WORK SHOWN IN SINGLE LINE DIAGRAM IS EXISTING. WHERE WORK IS NOTED "NEW" CONTRACTOR SHALL INCLUDE ALL WORK SHOWN IN THIS CONTRACT AND PROVIDE ALL LABOR AND MATERIAL REQUIRED FOR A COMPLETE AND OPERABLE ELECTRICAL SYSTEM INCLUDING ALL GROUNDING REQUIREMENTS.
2. ALL FEEDER AND CONDUIT SIZES WERE BASED ON THW COPPER CONDUCTOR.
3. WHERE NEW CIRCUIT BREAKERS ARE INDICATED TO BE PROVIDED IN THIS CONTRACT, CONTRACT SHALL PROVIDE MOUNTING HARDWARE AND CIRCUIT BREAKERS TYPE TO ENSURE COMPATIBLE WITH EXISTING SWITCHGEAR TO MAINTAIN THE U.L. LISTING OF EXISTING SWITCHGEAR.

REFERENCE NOTES:

1. FURNISH AND INSTALL MIN. 24" X 30" X 30"D CONCRETE PULL BOX WITH LIGHT DUTY TRAFFIC COVER LABEL "ELECTRIC".
2. FURNISH AND INSTALL MIN. 24" X 30" X 30"D CONCRETE PULL BOX WITH LIGHT DUTY TRAFFIC COVER LABEL "SIGNAL".
3. FURNISH AND INSTALL (4) 4" X 6" X 4"D WEATHERPROOF NEMA ENCLOSURE OUTLET BOX WITH SCREW COVER FOR TEL/PA, SECURITY, CLOCK AND FIRE ALARM SYSTEM, EACH OUTLET BOX SHALL BE LABELED AS TO ITS DESIGNATED USE.
4. FURNISH AND INSTALL (1) 8" X 8" X 6"D WEATHERPROOF NEMA ENCLOSURE PULL BOX (FOR TEL/PA, SECURITY AND CLOCK SYSTEM) AND (1) 6" X 6" X 4"D WEATHERPROOF NEMA ENCLOSURE PULL BOX (FOR FIRE ALARM SYSTEM), EXTRA PULL BOX SHALL BE LABELED AS TO ITS DESIGNATED USE.
5. PROVIDE AND INSTALL (4) 1" C.O. WITH PULL STRING FOR TEL/PA, SECURITY, CLOCK AND FIRE ALARM SYSTEM.
6. SAME AS NOTE 5 EXCEPT PROVIDE (1) 1" C.O. FOR CLOCK, 1" C.O. FOR SECURITY, 1-1/4" FOR PA/IC AND 1-1/2" C.O. FOR FIRE ALARM SYSTEM. EACH CONDUIT SYSTEM SHALL HAVE PULL STRING INSTALLED.
7. SIGNAL CONDUITS SYSTEM SHALL BE RUN CONCEALED ABOVE CEILING AND IN WALL.
8. HOMERUN SIGNAL CONDUITS SYSTEM TO BE DESIGNATED SIGNAL SYSTEM EQUIPMENT CABINET. (I.E. FIRE ALARM SYSTEM CONDUIT SHALL BE HOMERUN TO FACP).
9. FURNISH AND INSTALL 3/4" Ø X 10" L COPPER DRIVEN GROUND ROD AND BOND 8#8 GA GROUND CONDUCTOR TO PANELBOARD, BUILDING STRUCTURE AND FOUNDATION, COLD WATER LINE, ETC. AS REQUIRED BY "CEC" SECTION 250-81 AND IN ACCORDANCE WITH OSA CODE REGULATION.
10. REFER TO DEMOLITION NOTE #3, SHEET E-1, FOR CONTRACTORS RESPONSIBILITY FOR EXISTING UTILITIES IN THIS HASH MARKED AREA.

IDENTIFICATION STAMP FOR THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL # 09 18
AC MAR 30 98
DATE MAR 23 1998

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ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

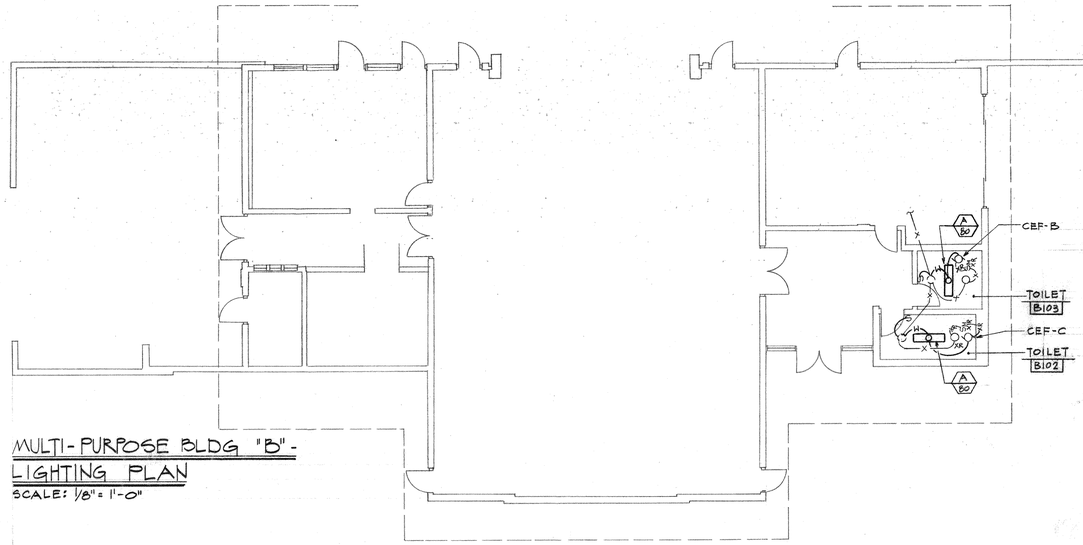
PORTABLE CLASSROOM BUILDING ELECTRICAL SITE PLAN AND SINGLE LINE DIAGRAM.

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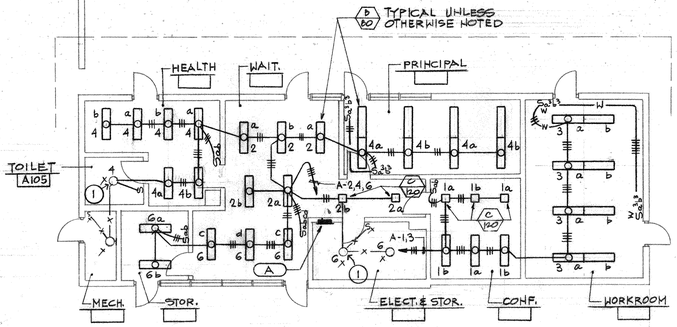
SHEET 2 OF 4

E-2

WILLMORE 597-121



MULTI-PURPOSE BLDG "B" - LIGHTING PLAN
SCALE: 1/8" = 1'-0"

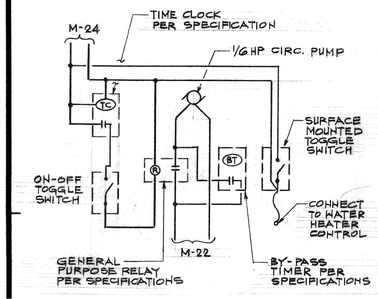


ADMINISTRATION BLDG "A" - LIGHTING PLAN
SCALE: 1/8" = 1'-0"

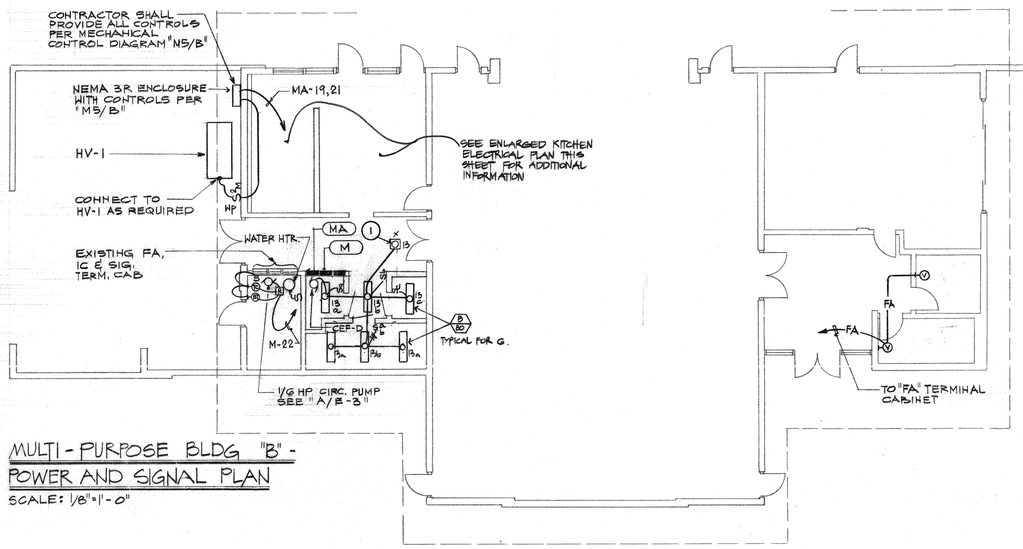
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REFERENCE NOTES:

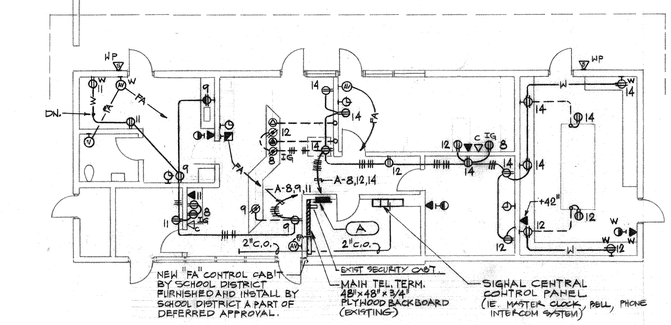
(1) EXISTING LIGHTING OUTLET OR FIXTURE TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL DISTRICT USE. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXTEND NEW WORK AS SHOWN.



A / E-3 CIRCULATING PUMP WIRING DIAGRAM
NOT TO SCALE



MULTI-PURPOSE BLDG "B" - POWER AND SIGNAL PLAN
SCALE: 1/8" = 1'-0"



ADMINISTRATION BLDG "A" - POWER AND SIGNAL PLAN
SCALE: 1/8" = 1'-0"

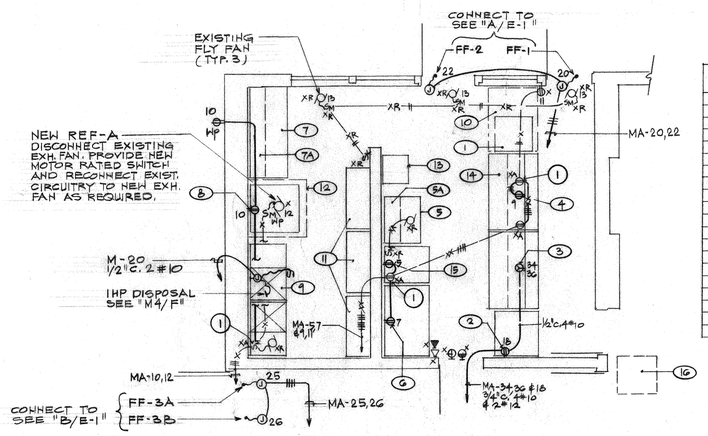
NORTH

EXISTING

PANEL "A"

120/240V - 1Φ 3 WIRE — FLUSH

CIR. NO	OUTLETS LTG	OUTLETS REC	LOCATION	BLDG. CTG	BUS L	BUS R
1	9		ELECT. & CONFER.	201-1P	909	
2	7		WAITING		330	
3	8		WORKROOM			608
4	15	1 FAN	HEALTH PRINCIP.			1240
5	8		INTERCOM		1440	
6	6		MECH. STOR		480	
7	7		INTERCOM			1260
8		3	WAITING			540
9		5	WAITING		900	
10		1	SPEC. RECEPTACLE		500	
11		5	HEALTH STOR.			900
12		6	PRINCIPAL, WORK.			1080
13		1	BIG. CONTROL PANEL		500	
14		8	WORKROOM		1440	
15						500
16						220
17		1	HTR. CIR.		500	
18	9		RECEPT.		1620	
19						660
20		J-BOX	HEATER HEATING			1000
21					220	
22	1	1/4HP	HEATER ROOM		700	
23			SPACE			
24		1/4HP	HEATER ROOM			700
25			SPACE			
26			EXIST. AC UNIT	50 / 2	2093	
27				1		2093
28			EXIST. AC UNIT	30 / 2	2093	
29				1		2093
30		1	HALL	201-1P	500	
31			SPACE			
32		—	SP. W/CKT # 30	—		500
TOTAL 28439 @ 120/240V - 1Φ 3 WIRE					14945	13494



ENLARGED KITCHEN AREA ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

EQUIPTMENT SCHEDULE

ITEM	DESCRIPTION	REMARKS
(1)	UTILITY TRAY CART	N/A.
(2)	MILK DISPENSER	NEMA 5-15R. 4.1A. 115V.1Φ
(3)	HEATED SERVING COUNTER	14.50A. 2.1KW. 208V. 1Φ
(4)	COLD SERVING COUNTER	5-15R. 9.5A. 115V. 1Φ
(5)	UTILITY WORKTABLE 30"L.	N/A
(5A)	WALL MOUNTED SHELF 14"W. x 30"L.	N/A
(6)	REACH-IN REFRIGERATOR.	NEMA 5-15R. 12.0A. 115V.1Φ
(7)	UTILITY WORKTABLE 72"L.	N/A
(7A)	WALL MOUNTED SHELF 14"W. x 72"L.	N/A
(8)	CONVECTION OVEN	NEMA 5-15R. 9.0A. 115V. 1Φ
(9)	TWO COMPARTMENT SINK UNIT	N/A
(10)	HEATED SERVING COUNTER	N. I. C.
(11)	DRY STORAGE SHELVING	N/A
(12)	HOOD	EXIST.
(13)	HAND SINK	SEE PLUMBING
(14)	SNEEZEGUARD	N/A
(15)	REACH-IN FREEZER	NEMA 5-15R. 12.0A. 115V. 1Φ
(16)	CASHIER STAND	

NOTE: The location of Automatic Detectors, manual Station and other Fire Alarm Equipt. and Devices, As shown on plan, are for reference only and do not constitute shop drawings which are req'd. for review and approval.

EXISTING

PANEL "M"

120/240V - 1Φ 3 WIRE — FLUSH

CIR. NO.	OUTLETS LTG	OUTLETS REC	LOCATION	BLDG. CTG	BUS L	BUS R
1	2		CONTROL PANEL "CP"	504-2P	2700	
2	2		VENTG. BLDG.	203-1P	360	
3			2P. W/CKT #1	—		2700
4	2		ANTE - ROOM	201-1P		360
5	2				360	
6	2				360	
7	2					360
8	2					360
9	8		ROTUNDA		1760	
10			TELEVISION DINING		1500	
11	4	2 FAN	MAINT. WOMEN			1080
12	11		TEACHER'S LIVING			2.00
13	7		HALL, STOR. HTR.		1260	
14	18		EXTERIOR		1440	
15	6		KITCHEN, CLEANSING			1080
16	8		EXTERIOR			1440
17			FIRE ALTR.		400	
18			CONTACTOR CONTROL			1500
19	6		EXTERIOR FLOOD LIGHT			1500
* 20			DISPOSAL 1HP	40		1840
21			FUTURE FLOODS			
* 22			1/6 HP CIRC. PUMP	15A-1P	510	
* 23			FUTURE FLOODS			
* 24			CONTROLS	15A-1P		180
TOTAL			19,760 @ 120/240V-1Φ-3 W.		12400	9200

REMOVE EXISTING 20A, 1 POLE CIRCUIT AND REPLACE WITH NEW CIRCUIT BREAKER SIZE AND NUMBER OF POLES AS INDICATED.

EXISTING

PANEL "MA"

120/240V - 1Φ 3 WIRES — FLUSH

CIR. NO	OUTLETS LTG	OUTLETS REC	LOCATION	BLDG. CTG	BUS L	BUS R
1	2		STOR. ADULT - PAR. ROOM	201-1P	2.00	
2	2		MULTI-PURPOSE		500	
3	2		PLATFORM			600
4	2		TEACHER'S			500
5	2		KITCHEN		440	
6	2		CEILING TROUGH		200	
7	2					440
8	2		TOILETS			800
9	2		KITCHEN		1120	
10					740	
11	2					160
12	1		REF. 1/4 HP			670
13	3	3-FAN	ST. DOOR, WELL		540	
14		1/2HP	HEATER ROOM		500	
15		1/2HP	KITCHEN			920
16		1/2HP	HEATER ROOM			920
17		1/2HP	HEATER ROOM		220	
18			MILK DISPENSER		540	
19			HV-1 1/2 HP	15A-2P		
20			FLY FAN FF-1	15A-1P	1130	
21			W/CKT #19			
22			FLY FAN FF-2	15A-1P		1130
23			FLY FAN FF-3A	15A-1P		
24			FLY FAN FF-3B	15A-1P	1130	
25		2-FAN	HEATER ROOM	203-2P	900	
26		—	SPARE	15A-1P		
27		—	SP. W/CKT # 25	—		900
28		—	SPARE			
29			EXIST. W. FTN. CLNG	201-1P	500	
30	1	1/6HP	CONTROL FLY FAN	15A-1P	180	
31			SP. W/CKT # 29	—		920
32			SP. W/CKT # 30	—		680
33		1HP	DISHWASHER	201-2P	720	
* 34	1		SERVING COUNTER	30A-2P	2700	
35			SP. W/CKT # 33	—		2700
36			SP. W/CKT # 34	—		2700
TOTAL 23500 @ 120/240V-1Φ-3 W.					11240	12260

* FURNISH AND INSTALL NEW CIR. BKR. AS REQUIRED.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL # 04 01 18
AC FLS 10 A.M.
DATE MAR 23 1981

NTD
NEPTUNE • THOMAS • DAVIS
ARCHITECTS - ENGINEERS - PLANNERS
357 North Sheridan Street, Suite 101 Corona, California 91720

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

BUILDING "A" & "B" ELECTRICAL PLANS

DATE
JOB NO 79531
DRAWN GLR
CHECKED CVK

SHEET 3 OF 4

E-3

WILLMORE 579.121

LIGHTING FIXTURE SCHEDULE

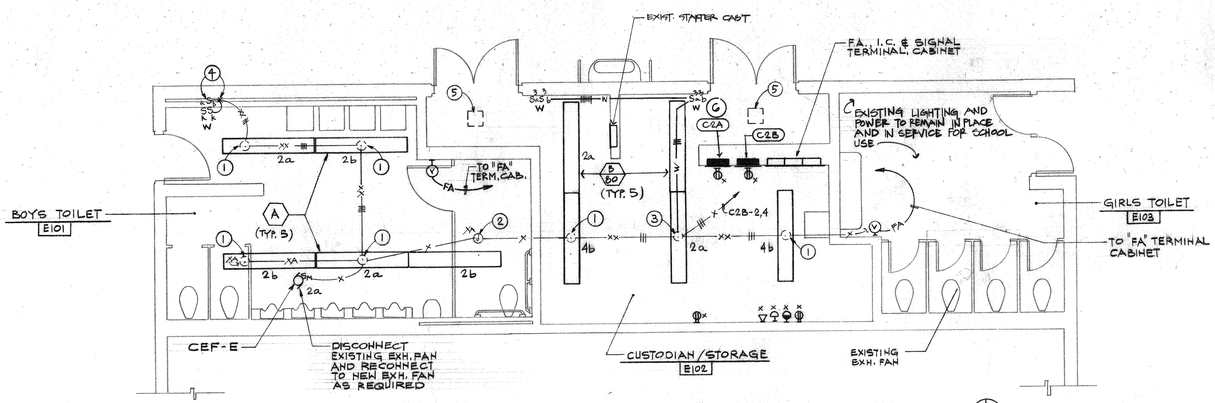
TYPE	LAMPS			TOTAL WATTS	DESCRIPTION	MANUFACTURER
	NO.	WATT	TYPE			
A	2	34	F34LW	80	1' X 4' SURFACE MOUNTED FLUORESCENT FIXTURE WITH HIGH IMPACT CLEAR ACRYLIC PRISMATIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED ENAMEL FINISH, SUITABLE FOR CONTINUOUS ROW MOUNT AND LOW DENSITY CEILINGS. TAMPERPROOF.	PRUDENTIAL #P1602-48RS-PTS12-TP
B	2	34	F34LW	80	1' X 4' LONG, SURFACE CEILING MOUNTED FLUORESCENT WITH 2 ROWS OF LAMPS, CLEAR ACRYLIC PRISMATIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, SUITABLE FOR DIRECT MOUNTING ON LOW DENSITY CEILING.	PRUDENTIAL #P-1602-48RS-PRA
C	2	60	A19	120	9" SQ. X 4-3/4" D. CEILING, SURFACE MOUNTED INCANDESCENT LIGHT FIXTURE WITH WHITE DIFFUSER AND PAINTED WHITE.	MARCO #C1009

LIGHTING FIXTURE SCHEDULE NOTES

1. APPROVED EQUAL FIXTURES ARE BY LITHONIA, METALUX AND WILLIAMS.
2. CONTRACTOR SHALL REFER TO ELECTRICAL BRANCH CIRCUITRY PLANS TO CONFIRM THE OPERATING VOLTAGE USED ON EACH LIGHT FIXTURE INSTALLATION, PROVIDE LIGHT FIXTURE SHALL BE SUITABLE FOR USE AS SHOWN ON DRAWING.
3. NEW SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURES SHALL BE U.L. LABELED AS SUITABLE FOR DIRECT MOUNTING ON LOW DENSITY CEILINGS, WITHOUT THE USE OF "STAND OFF" BRACKETS ON TOP OF FIXTURE HOUSING.
4. FLUORESCENT LAMPS AND BALLASTS SHALL BE THE ENERGY-SAVING TYPE UNLESS OTHERWISE NOTED, USING LITE WHITE 34 WATT LAMPS.
5. ALL FLUORESCENT LIGHTING FIXTURES SHALL HAVE HIGH POWER FACTOR BALLAST.
6. CONTRACTOR SHALL PROVIDE JUNCTION BOX SIZE TO ACCOMMODATE QUANTITY OF WIRES PER N.E.C. REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL INSTALL A JUNCTION BOX AMPLE SIZE TO ACCOMMODATE WIRES PER N.E.C. SECTION 370-6.
7. PRIOR TO ORDERING AND INSTALLATION OF LIGHT FIXTURES, CONTRACTOR SHALL VERIFRY WITH ARCHITECTURAL DRAWINGS THE RESPECTIVE CEILING CONDITION, PROVIDE LIGHT FIXTURE TYPE, MOUNTING, ETC. AS REQUIRED FOR THE TYPE OF CEILING CONSTRUCTION WHICH FIXTURE IS TO BE INSTALLED. LOCATE ALL LIGHT FIXTURES PER ACHITECTURAL PLANS AND CONDITIONS.
8. REFER TO SPECIFICATIONS FOR SEISMIC BRACING INSTALLATION METHODS.

REFERENCE NOTES:

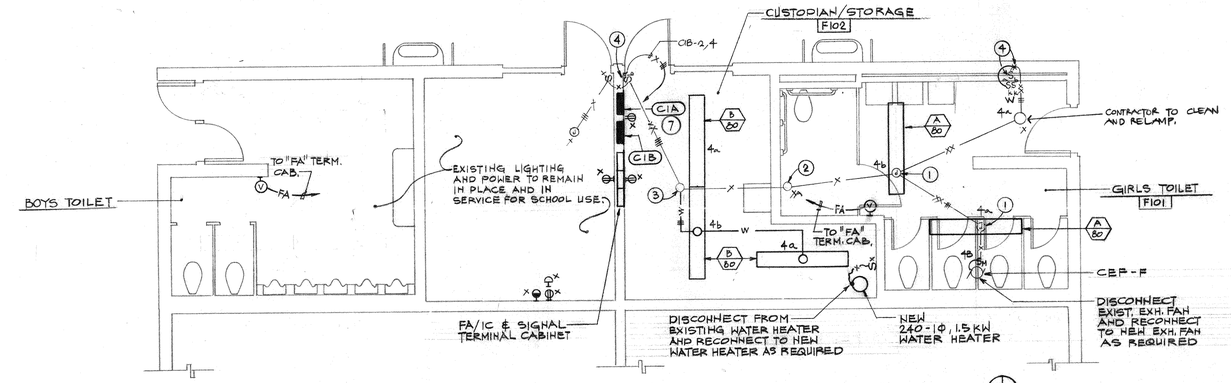
1. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND PROVIDE, INSTALL AND CONNECT NEW LIGHT FIXTURE AS SHOWN.
2. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND PROVIDE ALL LABOR AND MATERIAL REQUIRED TO MAINTAIN LIGHTING BRANCH CIRCUITRY.
3. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND PROVIDE ALL LABOR AND MATERIAL REQUIRED (I.E. WIREMOLD, NEW WIRING, CONNECTIONS ETC.) TO EXTEND NEW WORK AS SHOWN.
4. AT EXISTING SWITCH LOCATION, CONTRACTOR SHALL REMOVED EXISTING SWITCH AND PROVIDE, INSTALL AND CONNECT NEW SWITCHES AS SHOWN.
5. EXISTING CANOPY EXTERIOR LIGHT TO BE REMOVE BEY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL REQUIRED (I.E. OUTLET BOX, COVERPLATE, WIRING , ETC.) TO MAINTAIN BRANCH CIRCUITRY TO THE EXISTING EXTERIOR CANOPY LIGHTING WHICH IS TO REMAIN IN USE BY THE SCHOOL DISTRICT.
6. AT PANELBOARD CONTRACTOR SHALL DISCONNECT EXISTING CIRCUIT BREAKERS AND SAFE-OFF ALL CONDUCTORS SERVING THE (8) A/C PACKAGE UNITS LOCATED ON THE ROOF.
7. AT PANELBOARD CONTRACTOR SHALL DISCONNECT EXISTING CIRCUIT BREAKERS AND SAFE-OFF ALL CONDUCTORS SERVING THE (1) A/C PACKAGE UNITS LOCATED ON THE ROOF.



ELECTRICAL TOILET FLOOR PLAN - BUILDING "E"

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

NORTH



ELECTRICAL TOILET FLOOR PLAN - BUILDING "F"

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

NORTH

PANEL "C1B"

120/240V-1Φ 3 WIRE FLUSH

CIR NO	OUTLETS LTG	OUTLETS REC	LOCATION	BKR & LTG	BUS A	BUS B
1	5		ENTRANCE	20A-1P	900	
2	3	1 FAN	BOYS TOILET			250
3	5		ENTRANCE			900
4	9		GIRLS TOILET, CUST/STOR.			500
5		4	OFFICE		720	
6		1	CUST. STORAGE	20A-2P	500	
7		2	CUST. STORAGE	20A-1P		360
8		-	2P. W/CKT. #6	—		500
9		2	ENTRANCE	20A-2P	1000	
10	9		ATTIC	20A-1P	1620	
11		-	2P. W/CKT. #9	—		1000
12		1	WATER HEATER	20A-1P		1000
13			SPACE			
14						
15						
16						
17			WALL HEATER	20A-2P	1000	
18			WALL HEATER	20A-2P	1000	
19			2P. W/CKT. #17	—		1000
20			2P. W/CKT. #18	—		1000

TOTAL 13250 W. @ 120/240V-1Φ = 55 A. 6990 6260

PANEL "C2B"

120/240V-1Φ 3 WIRE FLUSH

CIR NO	OUTLETS LTG	OUTLETS REC	LOCATION	BKR & LTG	BUS A	BUS B
1	6		ENTRANCE	20A-1P	1200	
2	8	1 FAN	BOYS TOILET		650	
3	6		ENTRANCE			1080
4	4	1 FAN	GIRLS TOILET CUST/STOR			330
5		1	WATER HTR. STORAGE	20A-1P	1000	
6		1	CUST. PLAY EQUIP.	20A-2P	500	
7		8	CUST. PLAY EQUIP.	20A-1P		540
8		-	2P. W/CKT. # 6	—		500
9		2	ENTRANCE	20A-2P	1200	
10		1	ALLEY WALL HEATER	20A-2P	1000	
11		-	2P. W/CKT. # 9	—		1000
12		-	2P. W/CKT. #10	—		1000
13			SPACE	20A-1P		
14						
15						
16						

TOTAL 9680 @ 120/240V-1Φ = 40 A. 5230 4450

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL # 04 1.8
AC FLB 00 88
DATE MAR 23 1994

REGISTERED PROFESSIONAL ENGINEER
No. 16978
ELECTRICAL
STATE OF CALIFORNIA

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Frederick Rudolf Rowan/A. Association
Electrical and Mechanical Engineers
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357 North Sheridan Street, Suite 101 Corona, California 91720

LICENSED ARCHITECT
RICHARD D. DUNCAN
No. 9,347
Date 9-30-95
STATE OF CALIFORNIA

ADDITION & ALTERATIONS FOR:
WILLMORE ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

BUILDING "E" AND "F" TOILETS/STORAGE/AREAS ELECTRICAL PLANS

DATE
JOB NO.
DRAWN GLR
CHECKED CVK

SHEET 4 OF 4

E-4

WILLMORE 9/19-121