ALTERATIONS TO:

SCHROEDER ELEMENTARY SCHOOL

WESTMINSTER SCHOOL DISTRICT

WESTMINSTER CALIFORNIA

ADDENDUM NO. 1
TO THE
PLANS AND SPECIFICATIONS
FOR
SCHROEDER ELEMENTARY SCHOOL
DSA 04-101569
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
COMPLETE
October 11, 2001
N T D ARCHITECTS
2025 Financial Way, Suite 106
Glendora, California 91741
Jay R. Tittle, C-12955

ADDENDUM NO. 2
TO THE
PLANS AND SPECIFICATIONS
FOR
SCHROEDER ELEMENTARY SCHOOL
DSA 04-101569
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
COMPLETE
October 23, 2001
N T D ARCHITECTS
2025 Financial Way, Suite 106
Glendora, California 91741
Jay R. Tittle, C-12955

ADDENDUM NO. 3
TO THE
PLANS AND SPECIFICATIONS
FOR
SCHROEDER ELEMENTARY SCHOOL
DSA 04-101569
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
COMPLETE
November 01, 2001
N T D ARCHITECTS
2025 Financial Way, Suite 106
Glendora, California 91741
Jay R. Tittle, C-12955

ABBREVIATIONS

AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACOUST	ACOUSTICAL
ACT	ACOUSTIC TILE
AD	AREA DRAIN
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BAL	BALANCE
BD	BOARD
BETW	BETWEEN
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BM	BEAM OR BENCH MARK
BOT	BOTTOM
BS	BOTH SIDES
BTU	BRITISH THERMAL UNITS
BU	BUILT UP
BUR	BUILT-UP ROOFING
C/C	CENTER TO CENTER
CAB	CABINET
CARP	CARPET
CB	CATCH BASIN OR CHALKBOARD
CEM	CEMENT
CER	CERAMIC
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CI	CAST IRON
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLNG	CEILING
CLOS	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMPO	COMPOSITION
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CP	CONTROL PANEL
CSK	COUNTERSUNK
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DL	DEAD LOAD
DN	DOWN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
EA	EACH
EDF	ELECTRICAL DRINKING FOUNTAIN
EE	EGGSHELL ENAMEL
ELEC	ELECTRIC/ ELECTRICAL
ELEV	ELEVATION
ENG	ENGINEERING
ENTR	ENTRANCE
EP	ELECTRICAL PANEL
EQUIP	EQUIPMENT
EST	ESTIMATED
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRICAL WATER HEATER
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/F	FACE TO FACE
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FS	FULL SIZE
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNITURE

G	GAS
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GL	GLASS
GLB	GLUE LAMINATED BEAM
GR BM	GRADE BEAM
GYP	GYPSUM
H&CW	HOT & COLD WATER
HB	HOSE BIB
HD	HEAD
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HTR	HEATER
HW	HOT WATER
HWY	HIGHWAY
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J-BOX	JUNCTION BOX
JAN	JANITOR
JST	JOIST
JT	JOINT
KD	KNOCK DOWN
KO	KNOCK OUT
LAM	LAMINATED
LAV	LAVATORY
LDG	LANDING
LF	LINEAL FOOT
LG	LONG
LH	LEFT HAND
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LRG	LARGE
LT	LIGHT
LT WT	LIGHTWEIGHT
MACH	MACHINE
MATL	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MET	METAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	METAL LATH
MO	MASONRY OPENING
MSD	MOTION SENSOR/ DETECTOR
MTD	MOUNTED
MTG	MOUNTING
MULL	MULLION
(N)	NEW
NA	NOT APPLICABLE
NAT	NATURAL
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFOI	OWNER FURNISHED OWNER INSTALLED
OHWS	OVAL HEAD WOOD SCREW
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
ORIG	ORIGINAL
PERF	PERFORATED
PIV	POST INDICATOR VALVE
PKG	PACKAGE
PL	PLATE OR PROPERTY LINE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PORT	PORTABLE
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISHED

PRELIM	PRELIMINARY
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PROV	PROVIDE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYLCHLORIDE
PVMT	PAVEMENT
RA	RETURN AIR
RAD	RADIUS
RD	ROOF DRAIN
RECD	RECEIVED
RECT	RECTANGULAR
REF	REFERENCE
REG	REGISTER
REINF	REINFORCING
REQ	REQUIRED
REV	REVISED
RH	RIGHT HAND
RHMS	ROUND HEAD METAL SCREW
RHWS	ROUND HEAD WOOD SCREW
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWD	REDWOOD
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SECT	SECTION
SEG	SEGMENT
SGE	SEMI GLOSS ENAMEL
SGL	SINGLE
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SK	SINK
SPEC	SPECIFICATION
SQ	SQUARE
SSK	SERVICE SINK
ST	STREET
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERED
TERM	TERMINAL
THK	THICKNESS
THRESH	THRESHOLD
THRU	THROUGH
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UR	URINAL
UNO	UNLESS NOTED OTHERWISE
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VT	VINYL TILE
VTR	VENT THRU ROOF
VIF	VERIFY IN FIELD
W	WIDE
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD DRAIN
ZA	ZINC ALLOY

GENERAL NOTES

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO START OF WORK AND IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ANY DISCREPANCIES WHICH MAY EXIST BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND ACTUAL FIELD CONDITIONS. NO EXTRA WILL BE ALLOWED DUE TO EXTRA COST ARISING FROM SUCH DISCREPANCIES.
2. THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE, VERIFY, AND BEAR FULL RESPONSIBILITY FOR DIMENSIONS AND EXISTING CONDITIONS THAT AFFECT CONSTRUCTION AS SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONDITION REQUIRING MODIFICATION OR CHANGE PRIOR TO STARTING WORK.
3. ANY DAMAGE TO EXISTING FACILITIES OR CONSTRUCTION CAUSED BY OPERATIONS UNDER THESE CONTRACTS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE SCHOOL DISTRICT AT THE CONTRACTOR'S EXPENSE.
4. WHERE EXISTING FINISH IS DISTURBED, DAMAGED OR REMOVED DURING THE WORK, THE CONTRACTOR IS TO REPAIR OR REPLACE AS NECESSARY TO MATCH EXISTING. ALL NEW MATERIALS ADDED SHALL MATCH EXISTING IN ALL RESPECTS (FORM, THICKNESS, QUALITY, TEXTURE, COLOR, ETC.).
5. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, DRAINAGE LINES, PIPING, OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND/OR INSTALLED BY OTHER CONTRACTS. THE ARCHITECT AND THE ENGINEER ARE NOT RESPONSIBLE FOR THE LOCATION OF OR THE EXISTENCE OF UNDERGROUND UTILITIES AND STRUCTURES WHETHER OR NOT SHOWN AND/OR INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION AND SAFETY.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES AND SUBSTRUCTURES WITHIN THE LIMITS OF NEW WORK WHETHER SHOWN ON THE PLANS OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR WILL BE HELD RESPONSIBLE AND SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES DAMAGED BY HIS OPERATION IN CONNECTION WITH EXECUTION OF THIS WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DAMAGE ARISING FROM AND/OR CONNECTED WITH DAMAGE TO SAID UTILITIES AND SUBSTRUCTURES AS OUTLINED ABOVE.
7. PRIOR TO COMMENCING HIS WORK, THE CONTRACTOR SHALL WALK THE AREAS WITH THE INSPECTOR AND MAKE A LIST OF ANY EXISTING DAMAGE TO EXISTING IMPROVEMENTS. ANY DAMAGE LATER DISCOVERED THAT IS NOT ON THIS LIST WILL BE ASSUMED TO HAVE BEEN DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE AND BEAR THE EXPENSE FOR REPAIR OF ALL DAMAGE TO EXISTING IMPROVEMENTS.
8. THE EXISTING PLANS AND ELEVATIONS INDICATED ON THE PLANS WERE OBTAINED FROM PREVIOUS CONSTRUCTION CONTRACT DRAWINGS RATHER THAN BY SURVEY METHODS. NO EXTRA COMPENSATION WILL BE GRANTED TO THE CONTRACTOR BECAUSE OF ANY DIFFERENCES AND/OR DISCREPANCIES WHICH MAY EXIST BETWEEN ACTUAL FIELD CONDITIONS AND THOSE AS REPRESENTED ON THE DRAWINGS.
9. FOR DISPOSITION OF EXISTING UTILITY LINES WITHIN THE LIMITS OF WORK, SEE THE ELECTRICAL AND MECHANICAL DRAWINGS AND THEIR CORRESPONDING SECTION OF THE SPECIFICATIONS.
10. ALL EXISTING IMPROVEMENTS AND ALL EXISTING ACTIVE UTILITY LINES TO REMAIN (WHETHER ABOVE OR BELOW GROUND) WITHIN THE NEW CONSTRUCTION AREA SHALL BE PROPERLY AND ADEQUATELY PROTECTED FROM DAMAGE DURING THE ENTIRE CONSTRUCTION PERIOD. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO THEIR ORIGINAL CONDITION ANY OF THESE EXISTING ITEMS THAT ARE DAMAGED OR DISTURBED IN ANY WAY.
11. PATCH ROOFING AS REQUIRED TO MATCH EXISTING WHERE EXISTING IS DISTURBED BY NEW WORK - INCLUDING CANT STRIPS, FLASHING, ETC. AS REQUIRED FOR A COMPLETE WATERTIGHT INSTALLATION.
12. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT IN WRITING PER SECTION 4-338, TITLE 24 (CCR) PRIOR TO START OF WORK.
13. IT IS THE CONTRACTORS RESPONSIBILITY TO REPLACE/RELOCATE ANY EXISTING ELECTRICAL FIXTURES SUCH AS CLOCKS, P.A. SYSTEM ELECTRICAL OUTLETS AND BOXES, ETC. TO ACCOMMODATE NEW WORK. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE SCOPE OF WORK.
14. UNLESS OTHERWISE NOTED ALL TOILET FIXTURES, TOILET ITEMS TYPICALLY NOTED TO BE REMOVED, SHALL BE REPLACED WITH NEW FIXTURES AND ACCESSORIES. ITEMS NOT REUSED IN THE COURSE OF THE WORK, SHALL BE TURNED OVER TO THE DISTRICT ON OR BEFORE THE DATE OF SUBSTANTIAL COMPLETION.

INSPECTION:

AN INSPECTOR, EMPLOYED BY THE DISTRICT AND APPROVED IN WRITING BY D.S.A., SHALL BE REQUIRED FOR CONTINUOUS INSPECTION OF THIS WORK IN ACCORDANCE WITH DUTIES DEFINED BY SECTION 4-342, PART 1 - TITLE 24, CCR.

FLAME SPREAD SCHEDULE:

ASTM E-84 TUNNEL TEST	FLAME SPREAD	SMOKE CONTRIBUTION
VINYL WALLCOVERING	15	20
VINYL TACKBOARD	15	20
ACOUSTIC TILE (BOTH FACES)	0-25	15

SYMBOLS

Symbol	Meaning	Symbol	Meaning
2/A-3.2 — 2/A-3.2	BUILDING SECTION	A-112	DOOR NUMBER
4/A-4.2	WALL SECTION	△	REVISION
		2	REFERENCE NOTE
1/A-6.2	ELEVATIONS	CLINICS 111	ROOM NAME
2/A-6A (5, 6, 5, 5)	INTERIOR ELEVATIONS; SHEET #; LINE, ELEV #, COMPASS DIRECTION		WORK POINT
			NORTH ARROW
1	REFERENCE NOTES (NEW WORK)	EL 100.03	SPOT ELEVATION
3/A-2	DETAIL REFERENCE	(100.03)	EXIST SPOT ELEVATION
15.02	DEMOLITION REFERENCE NOTES	D2	WINDOW ELEVATIONS

CODE INFORMATION

ALL WORK SHALL COMPLY WITH THE FOLLOWING CODES AND REGULATIONS:

1. 1998 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.R.R.
2. 1997 UBC AND 1998 CALIFORNIA AMENDMENTS (98 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR)
3. 1996 NEC AND 1998 CALIFORNIA AMENDMENTS (98 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR)
4. 1997 UMC AND 1998 CALIFORNIA AMENDMENTS (95 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR)
5. 1997 UPC AND 1998 CALIFORNIA AMENDMENTS (98 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR) - (PUBLISHER IAPMO)
6. 1997 UFC AND 1998 CALIFORNIA AMENDMENTS (98 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)
7. 1998 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R
8. 1990 TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
9. UNIFORM BUILDING CODE STANDARD NO.9-1, SPRINKLER SYSTEMS
10. CALIFORNIA CODE OF REGULATIONS TITLE 8, INDUSTRIAL CODES
11. CALIFORNIA ENERGY CONSERVATION STANDARDS
12. NATIONAL BOARD OF FIRE UNDERWRITERS
13. NFPA 72 NATIONAL FIRE ALARM CODES (CALIFORNIA AMENDED) 1996 EDITION (NOTE: SEE UL STANDARD 1971 FOR 'VISUAL DEVICES')
14. NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 1994 EDITION
15. NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 1994 EDITION
16. REFERENCE CODE SECTION FOR NFPA STANDARDS -CBC (SFM) 3503.1.3
17. STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY
18. ANY PREVAILING RULES AND REGULATIONS PERTAINING TO ADEQUATE PROTECTION AND/OR GUARDING OF ANY MOVING PARTS OR OTHERWISE HAZARDOUS LOCATIONS.
19. NFPA 13, 1996 EDITION (ALL SPRINKLERS PART OF THIS SUBMITTAL)
20. ALL ACCESSIBILITY REQUIREMENT ITEMS SHALL COMPLY WITH TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS.
21. CHANGES MADE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

NOTE: SEE SHEET G-0.2 FOR FIRE DEPARTMENT NOTES.

SHEET INDEX

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04	D-2.2	DEMOLITION FLOOR PLANS "MP", ADMIN. & KINDERGARTEN BLDG.
05	A-1.1	SITE PLAN
06	A-1.2	SITE DETAILS
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27	E-2.2.1	LIGHTING PLANS MP, ADMIN & KINDER. BLDGS
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29	E-2.2.3	FIRE ALARM PLANS MP, ADMIN. & KINDER BLDGS
30	E-2.3	FIRE ALARM RISER DIAGRAM

10/18/01

PROJECT DIRECTORY

ARCHITECT: NEPTUNE -THOMAS - DAVIS
2025 FINANCIAL WAY, SUITE 106
GLENDORA, CA. 91741
PHONE: (626) 963-1401
FAX: (626) 963-5771
ATTN.: JAY TITTLE, AIA
MANUEL JARAMILLO, R.A.

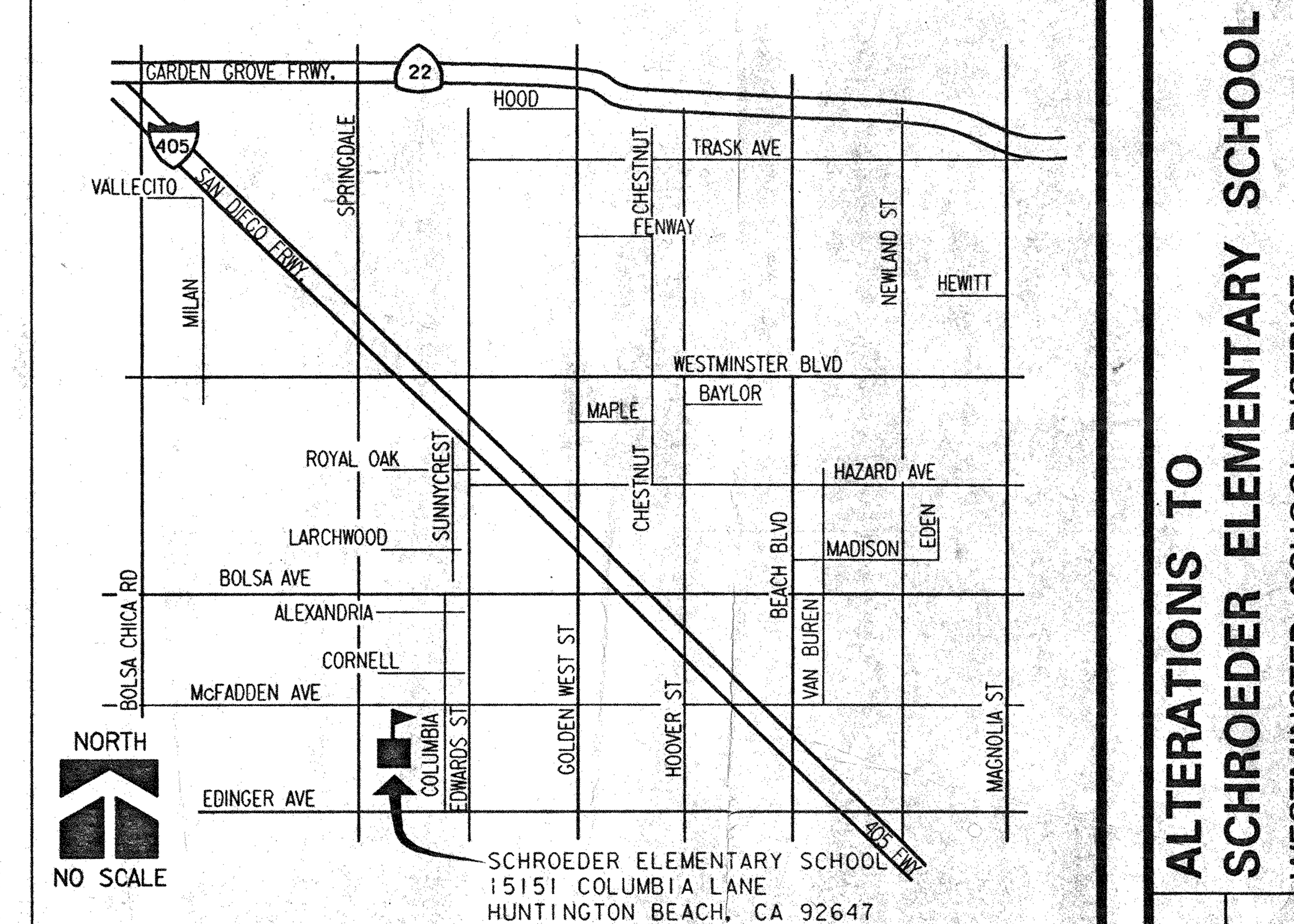
SPECIFICATIONS: JAY R. WHISENANT, AIA

MECHANICAL / ELECTRICAL / PLUMBING: DL ENGINEERING
600 WEST BROADWAY, STE 250
GLENDALE, CA 91204
BUS: 818/265-9720
MOBILE: 818/326-2614
BUS FAX: 818/265-9725
ATTN: DAVID L. EVANS
BRAD SEVERSON, P.E.
GARY SOLIS

DOOR HARDWARE: AHS
ARCHITECTURAL HARDWARE SERVICES
11775 CLARK STREET
ARCADIA, CA 91006-5806
PHONE: (626) 303-3834
FAX: (626) 358-3518
ATTN.: JOHN D. ELMORE, AHC

SCOPE OF WORK:

VICINITY MAP



OWNER

WESTMINSTER SCHOOL DISTRICT
14121 CEDARWOOD AVENUE
WESTMINSTER, CA. 92683
PHONE: (714) 894-7311

BARBARA DeHART, Ph.D.
SUPERINTENDENT OF SCHOOLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC ___ FLS ___ SS ___
DATE ___

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

LICENSED ARCHITECT — JAY R. TITTLE — NO. C12955 — REN. 11-30-01 — STATE OF CALIFORNIA

N T D ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

RECEIVED
OCT 15 2001
P C M 3, Inc.

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

TITLE, INDEX, MAP, & GENERAL NOTES

DATE 1/5/00
JOB NO. 19980189
DRAWN JH /CR
CHECKED

SHEET OF

G-0.1

FILE: f:\westminster_esd\8189\8189g001.dgn
DATE: 29-DEC-1999 TIME: 07:36

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS AND AT ONCE REPORT TO THE ARCHITECT IN WRITING ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS DISCOVERED 5 DAYS MIN. PRIOR TO PROCEEDING WITH WORK.

2. DIMENSIONS: DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS GIVEN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONS. 5 DAYS MIN. PRIOR TO COMMENCING WORK, DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.

3. THE ARCHITECT SHALL BE CONSULTED IN ALL CASES WHERE CUTTING INTO AN EXISTING STRUCTURAL PORTION OF ANY BUILDING IS EITHER EXPEDIENT OR NECESSARY, 5 DAYS MIN. PRIOR TO PROCEEDING WITH WORK, REINFORCEMENT, SUPPORT, TEMPORARY SHORING SATISFACTORY TO ARCHITECT AND STRUCTURAL ENGINEER SHALL BE PROVIDED BY CONTRACTOR PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF A BUILDING.

4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONSTRUCTION SAFETY ORDERS.

5. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES, REGULATIONS, AND THE CONTRACT DOCUMENTS.

6. ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 1003.3.1, TITLE 24 CCR. THE FOLLOWING ARE SOME OF THE REQUIREMENTS:

   A. ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT AND SHALL BE ACCESSIBLE BY THE DISABLED. PROVIDE PANIC HARDWARE AT ALL EXITS AND EXIT WAYS, AS PER HARDWARE SCHEDULE.

   B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 AND 44 INCHES ABOVE THE FLOOR.

   C. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE.

7. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:

   A. INTERIOR DOORS: 5 POUNDS
   B. EXTERIOR DOORS: 8.5 POUNDS
   C. FIRE DOORS: 15 POUNDS

8. LEGAL EXITS SHALL NOT BE BLOCKED AT ANY TIME.

9. ALL EXIT LIGHTING AND SIGNS TO HAVE MINIMUM 6 INCH LETTERS IN ACCORDANCE WITH TITLE 19, CHAPTER 10, CCR.

10. EXIT SIGNS SHALL BE ILLUMINATED WITH TWO ELECTRICAL LAMPS OF NOT LESS THAN 15 WATTS EACH BY TWO SEPARATE SOURCES OF POWER (ONE SOURCE ON EMERGENCY POWER). SEE ELECTRICAL DRAWINGS.

11. THE CONTRACTOR SHALL PROTECT ALL FINISHED WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPLACE AND/OR REPAIR ALL DAMAGE CAUSED BY NEW WORK TO EXISTING AREAS OF THE SITE, THIS SHALL INCLUDE BUT NOT BE LIMITED TO: CONSTRUCTION, FINISH CONSTRUCTION, ELECTRICAL OR MECHANICAL SYSTEMS CAUSED BY THE CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT TO MATCH EXISTING CONDITIONS AND\OR REPLACE AS REQUIRED BY OWNER AND ARCHITECT.

12. PROTECTION DURING WELDING: CONFORM TO TITLE 8, CCR. FURTHER PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT. SEE LOCAL FIRE AUTHORITY FOR PERMIT.

13. POWER DRIVEN FASTENERS SHALL BE USED ONLY IN PROTECTED LOCATIONS.

14. FIRE EXTINGUISHERS: MAINTAIN A FULLY CHARGED UL LABELED MINIMUM 10 LB. ABC FIRE EXTINGUISHER AT EVERY LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A WITHIN A 75 FOOT TRAVEL DISTANCE OF ALL PORTIONS OF THE BUILDINGS. (2A:10B:C MINIMUM).

15. THE CONTRACTOR SHALL PROVIDE ADDITIONAL FIRE EXTINGUISHERS AS REQUIRED BY THE FIRE DEPARTMENT FIELD INSPECTOR AT NO ADDITIONAL CHARGE. CONTRACTOR SHALL PROVIDE ALL FIRE EXTINGUISHERS SHOWN ON DRAWINGS.

16. FINAL CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE OWNER'S PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS. CONFORM TO PERTAINING FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDERS. UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM CLEAN AND FREE FROM DEBRIS. CLEAN ALL DUST, DIRT, STAINS, HAND MARKS, PAINT SPOTS, DROPPINGS AND OTHER BLEMISHES.

17. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER OR ARCHITECT.

18. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.

19. DUCTS PENETRATING STUD WALLS SHALL BE PROVIDED WITH NECESSARY FRAMES, BRACING AND SEALANT AROUND THE OPENING.

20. CONTACT BETWEEN DISSIMILAR METALS SHALL BE PROTECTED BY COATING WITH BITUMINOUS PAINT, SEE SPECIFICATIONS.

21. SPECIAL NOTICE TO CONTRACTORS: ALL CONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING BUT NOT LIMITED TO THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS AND STAFF OF THE OWNER.

22. THE SUPPORTS FOR ALL SUSPENDED PIPING AND DUCTWORK SHALL BE IN ACCORDANCE WITH SMACNA'S "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS".

23. TEMPORARY PEDESTRIAN PROTECTION SHALL BE PROVIDED AS REQUIRED BY C.B.C. SECT. 3303.

24. EACH ENTRANCE AREA SHALL BE PROVIDED WITH AN APPROVED SMOKE DETECTOR CONFORMING TO C.B.C. SECT. 1007.3.4

25. CABINETS AND CASEWORK ARE LOCATED ON FLOOR PLANS AND\OR IDENTIFIED ON INTERIOR ELEVATIONS.

   A. PLASTIC LAMINATE: MODULAR CASEWORK IDENTIFIED WITH A DIGIT NUMBER (E.G. WIC 304) AND CONSTRUCTED ACCORDING TO THE SPECIFICATIONS OF WOODWORK INSTITUTE OF CALIFORNIA, MANUAL OF MILLWORK, SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.

   B. SPECIAL CASEWORK DESIGN TO W.I.C. SPECIFICATIONS SHALL BE PROVIDED ACCORDING TO REFERENCE NOTES AND DETAILS ON THE DRAWINGS.

26. BEFORE THE BUILDING MAY BE OCCUPIED, INSTALLATION CERTIFICATES FOR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE STANDARDS OR CHAPTER 2-53 SHALL BE POSTED ADJACENT TO THE BUILDING PERMIT(S). CERTIFICATES SHALL:

   A. IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE STANDARDS AND CHAPTER 2-53.

   B. INCLUDE A STATEMENT INDICATING THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE STANDARDS AND CHAPTER 2-53 AND THE REQUIREMENTS FOR SUCH DEVICES GIVEN IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL ENFORCEMENT AGENCY.

   C. STATE THE NUMBER OF THE BUILDING PERMIT UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED. SEC. 1403(A)4(A).

27. AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION CONFORMS WITH THE PLANS AND THE REQUIREMENTS OF CHAPTER 2-53. THE CERTIFICATE SHALL ALSO STATE THE MANUFACTURER'S NAME AND MATERIAL IDENTIFICATION AND THE INSTALLED R-VALUE. SEC. 1403(A)5.

28. DOORS AND WINDOWS BETWEEN CONDITIONED AND UNCONDITIONED SPACES SHALL BE DESIGNED TO LIMIT AIR LEAKAGE INTO OR FROM THE BUILDING ENVELOPE.

   A. MANUFACTURED DOORS AND WINDOWS SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER AS NOT EXCEEDING THOSE SHOWN IN TABLE 2-53J.

   B. SITE-CONSTRUCTED DOORS AND WINDOWS, EXTERIOR JOINTS, AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED. (DOES NOT INCLUDE FIRE RATED DOORS AND WINDOWS, UNFRAMED GLASS DOORS).

29. MINIMUM INSULATION R-VALUES:

   CEILING/ROOF = R-19
   EXTERIOR WALLS = N/A

30. FIRE/ HABITABILITY CRITERIA:

   FIBER BOARD PANEL

   FLAME SPREAD: MAX. 25 PER ASTM E84
   SMOKE DEVELOPED: MAX. 450 PER ASTM E84

   PROTECTIVE WALL COVERING

   KLEERDEX PREFINISHED PROTECTIVE WALL COVERING
   FLAME SPREAD: 25 PER ASTM E84
   SMOKE DENSITY: 40 PER ASTM E84

   THERMAL AND ACOUSTICAL INSULATION

   BLANKET: GLASS FIBER
   FLAME SPREAD: MAX. 25 PER ASTM E84
   SMOKE DEVELOPED: MAX. 50 PER ASTM E84

   CARPET

   SMOKE DENSITY: 450 OR LESS PER ASTM E662
   CRITICAL RADIENT FLUX 0.45

   SUSPENDED ACOUSTICAL CEILINGS

   ACOUSTICAL TILE
   FLAME SPREAD: MAX. 25
   SMOKE: MAX. 15

FIRE DEPT. NOTES

1. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.

2. FIRE RESISTIVE ASSEMBLIES FOR PROTECTION OF OPENINGS TO COMPLY WITH BUILDING CODE 713 OR TITLE 24, 713.

3. EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARDOUS AREA OR WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE. BUILDING CODE 1003.3.1.3a

4. WIDTH AND HEIGHT OF REQUIRED EXIT DOORWAYS TO COMPLY WITH BUILDING CODE 1003.3.1.3a, OR TITLE 24, 1003.3.1

5. ALL 1-HOUR, FIRE-RESISTIVE CORRIDORS SHALL COMPLY WITH BUILDING CODE 1004.3.4.3.

6. ALL CORRIDOR OPENINGS SHALL MEET THE REQUIREMENT OF BUILDING CODE 1004.3.4.3.2, INCLUDING STEEL FRAMES, 20-MINUTE LABELED DOORS, HINGES, LATCHING DEVICES AND CLOSERS. TITLE 24, 1004.3.4.3.

7. EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED, WITH LIGHT HAVING AN INTENSITY OF NOT LESS THAN ONE FOOTCANDLE AT FLOOR LEVEL. BUILDING CODE 1003.2.9

8. PROVIDE LOW LEVEL EXIT SIGNS PER BUILDING CODE 1007.3.12. AT ALL RATED CORRIDORS AND PASSAGEWAYS.

9. PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE CIRCUITS AND COMPLY WITH BUILDING CODE 1003.2.8.5 AND 1003.2.9.2.

10. PROVIDE OCCUPANCY SEPARATION PER TABLE 3-B OF THE BUILDING CODE.

11. FIRE ALARM SYSTEMS SHALL COMPLY WITH TITLE 24, PART 2, SECTION 305.9 AND PART 3, ARTICLE 760 CALIFORNIA ELECTRICAL CODE.

12. AS A FIRE ALARM DEFERRAL IS NOT AUTHORIZED BY DSA, THIS IS A COMPLETE PLAN SUBMITTAL PER DSA POLICY NO. 95-03 (FLS). AFTER THE AWARD OF THE BID, IF SUBSTITUTIONS OF COMPONENTS ARE MADE, THE "AOR" OR "EOR" MUST SUBMIT A LETTER TO DSA CERTIFYING THAT THE SUBSTITUTED SYSTEM IS "EQUAL IN EVERY ASPECT TO THE APPROVED SYSTEM". THE CONTRACTOR SHALL SUBMIT FIRE ALARM SHOP DRAWINGS TO THE STATE FIRE MARSHAL FOR APPROVAL PRIOR TO INSTALLATION ONLY WHEN DEVIATIONS ARE MADE TO THE SPECIFIED SYSTEM. OTHERWISE THE SYSTEM SHALL MEET ALL SPECIFICATION REQUIREMENTS.

13. FIRE SAFETY METHODS DURING CONSTRUCTION SHALL COMPLY WITH ARTICLE 87 OF THE 1995 CALIFORNIA FIRE CODE FOR FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING.

14. ON-SITE PROTECTION FACILITIES (I.E., HYDRANTS, SPRINKLER SYSTEMS, ETC.) SHALL BE INSTALLED, TESTED AND ACCEPTED PRIOR TO OCCUPANCY.

CODE DATA

BUILDING "ADMIN" - ADMINISTRATION / LIBRARY (EXISTING BUILDING)	
OCCUPANCY	B / E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA [CBC TABLE 5B]	
ADMINISTRATION:	8000 S.F.
LIBRARY:	9100 S.F.
ACTUAL FLOOR AREA	
ADMINSTRATION:	1179 S.F.
LIBRARY	469 S.F.
RATIO CHECK:	.15+.05 = .20
1179 SF / 8000 = 0.15	.20 < 1.0
69 SF / 9100 = 0.05	(COMPLY)
OCCUPANT LOAD	
ADMINSTRATION: (O.L.F. = 100)	11.79
LIBRARY: (O.L.F. = 50)	9.38
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: B OCCUPANCY = 0.2 FEET
OCCUPANT LOAD x 0.2 = (11.79 x 0.2) = 2.4"/ 12 = 0.2 FT. TOTAL
ACTUAL EXIT WIDTH = 12'-4" / 4 EXITS = 3.06 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a

REQUIRED EXIT WIDTH: E-1 OCCUPANCY = 0.16 FEET
OCCUPANT LOAD x 0.2 = (9.38 x 0.2) = 1.88"/ 12 = 0.16 FT. TOTAL
ACTUAL EXIT WIDTH = 6'-6" / 2 EXITS = 3.5 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a.

BUILDING "MP" - MULTI-PURPOSE (EXISTING BUILDING)	MPB/ CAFETERIA
OCCUPANCY	A-2.1 / B
TYPE OF CONSTRUCTION	TYPE V-1 HOUR
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA : A.2.1 (MULTI-PURPOSE)	10,500 S.F.
ALLOWABLE AREA : B	14,000 S.F.
ACTUAL FLOOR AREA	
A.2 (MULTI-PURPOSE)	3034 S.F.
B (KITCHEN) N.I.C.	248 S.F.
B (DINING)	322 S.F.
RATIO CHECK:	
3034 S.F./ 10,500 = 0.29	.29 +.018 +.023
248 S.F./ 14,000 =0.018	=.0.331 < 1.0
322 S.F./ 14,000 = 0.023	(COMPLY)
	EXIT DISTRIBUTION
OCCUPANT LOAD [CBC SECTION 1007 AT ASSEMBLY]	50% MAIN; 33% SIDES
A-2 ASSEMBLY [O.L.F. = 7]	433.43
B KITCHEN [O.L.F. = 200]	1.24
B DINING [O.L.F. = 15]	21.5
FIRE SPRINKLERED BUILDING	NO
OCCUPANCY SEPARATION WALLS (CBC TABLE 3-B)	1 HOUR REQ'D

REQUIRED EXIT WIDTH: A-2 OCCUPANCY [MULTI-PURPOSE]
OCCUPANT LOAD x 0.2 = (433.43 x 0.2) = 86.69"/ 12 = 7.22 FEET
ACTUAL EXIT WIDTH = 17'-4" / 4 = 4.33 FEET PER DOOR

REQUIRED EXIT WIDTH: B OCCUPANCY [KITCHEN]
OCCUPANT LOAD x 0.2 = (1.24 x 0.2) = .25"/ 12 = 0.02 FEET
ACTUAL EXIT WIDTH = 3'-6" / 1= 3.5 FEET PER DOOR

REQUIRED EXIT WIDTH: B OCCUPANCY DINING
OCCUPANT LOAD x 0.2 = (21.5 x 0.2) = 4.3"/ 12 = .36 FEET
ACTUAL EXIT WIDTH = 12'-0" / 3 = 4 FEET PER DOOR

MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a
1 HR. OCC. SEPARATION REQ'D. BETWEEN A-2.1 & B OCC. [C.B.C. TABLE 3-B]

BUILDING "K" - KINDERGARTEN (EXISTING BUILDING)	
OCCUPANCY	E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA [CBC TABLE 5B]	9,100 S.F.
ACTUAL FLOOR AREA	1457 S.F.
OCCUPANT LOAD	
CLASSROOM [O.L.F.=20]	72.85
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: E-1 OCCUPANCY (KINDERGARTEN)
OCCUPANT LOAD x 0.2 = (72.85 x 0.2) = 14.57"/ 12 = 1.2 FT. TOTAL
ACTUAL EXIT WIDTH = 9'-0" /2 EXITS = 3.5 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a

BUILDING "No. 1" - CLASSROOM (EXISTING BUILDING)	
OCCUPANCY	E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA [CBC TABLE 5B]	9,100 S.F.
ACTUAL FLOOR AREA	3,153 S.F.
OCCUPANT LOAD	
CLASSROOM [O.L.F.=20]	157.65
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: E-1 OCCUPANCY (CLASSROOM)
OCCUPANT LOAD x 0.2 = (157.65 x 0.2)= 31.53"/12 = 2.63 FT.TOTAL
ACTUAL EXIT WIDTH = 9'-0" /3 EXITS = 3 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a

BUILDING "No. 2" - CLASSROOM (EXISTING BUILDING)	
OCCUPANCY	E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA	9,100 S.F.
ACTUAL FLOOR AREA	4055 S.F.
OCCUPANT LOAD [O.L.F.= 20]	202.75
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: E-1 OCCUPANCY
LIBRARY:
OCCUPANT LOAD x 0.2 = (202.75 x 0.2) = 40.55"/ 12 = 3.38 FEET
ACTUAL EXIT WIDTH = 12'-0" / 4 = 3 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a

BUILDING "No. 3" - CLASSROOM (EXISTING BUILDING)	
OCCUPANCY	E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA	9,100 S.F.
ACTUAL FLOOR AREA	4019 S.F.
OCCUPANT LOAD [O.L.F.= 20]	201
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: E-1 OCCUPANCY
LIBRARY:
OCCUPANT LOAD x 0.2 = (201 x 0.2) = 40.2"/ 12 = 3.35 FEET
ACTUAL EXIT WIDTH = 12'-0" / 4 = 3 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1.3a

BUILDING "No. 4" - CLASSROOM (EXISTING BUILDING)	
OCCUPANCY	E-1
TYPE OF CONSTRUCTION	TYPE V-N
NUMBER OF STORIES	1 STORY
ALLOWABLE AREA	9,100 S.F.
ACTUAL FLOOR AREA	4019 S.F.
OCCUPANT LOAD [O.L.F.= 20]	201
FIRE SPRINKLERED BUILDING	NO

REQUIRED EXIT WIDTH: E-1 OCCUPANCY
LIBRARY:
OCCUPANT LOAD x 0.2 = (201 x 0.2) = 40.2"/ 12 = 3.35 FEET
ACTUAL EXIT WIDTH = 12'-0" / 4 = 3 FEET PER DOOR
MIN. EXIT WIDTH PER DOOR = 36" PER C.B.C. SECTION 1003.3.1a

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC ___ FLS ___ SS ___
DATE JAN 0 5 2000

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

FILE: f:\westminster_esd\8189\8189g002.dgn
DATE: 29-DEC-1999 TIME: 07:38

LICENSED ARCHITECT
JAY R. TITTLE
NO. 12955
REN. 11-30-01
STATE OF CALIFORNIA

NTD
ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
GENERAL /FIRE NOTES & CODE DATA

DATE 1/5/00
JOB NO. 19980189
DRAWN MJ / CR
CHECKED

SHEET OF

G-0.2

DATE: 29-DEC-1999 TIME: 07:38
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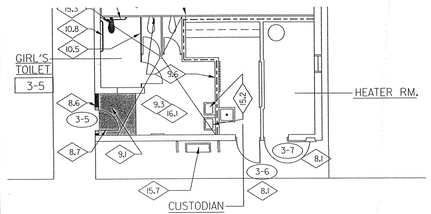
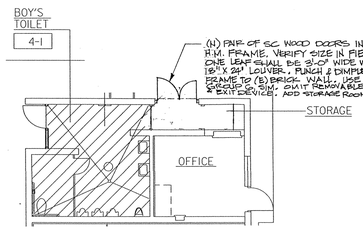


FLOOR PLAN – BUILDING 3



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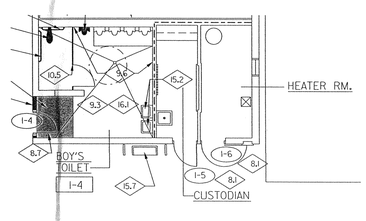
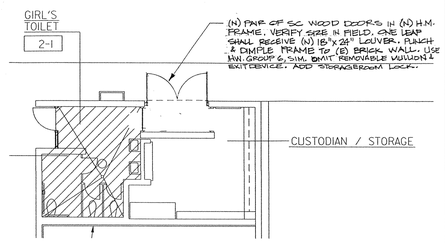


FLOOR PLAN – BUILDING 1



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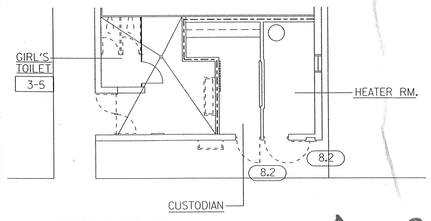
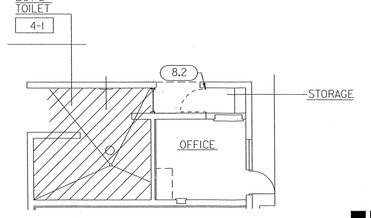


DEMO. PLAN – BUILDING 3 ADD.NO.3



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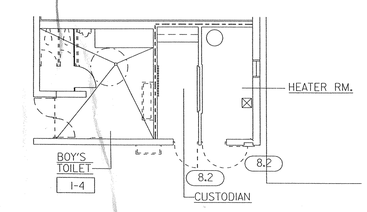
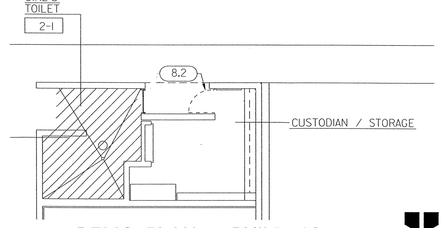


DEMO. PLAN – BUILDING 1



DEMO. PLAN – BUILDING 2

PARTIAL DEMO. & FLOOR PLANS - BUILDINGS 3 & 4

NTD ARCHITECTS

SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT

AD3-5

REFERENCE: D-2.1, A-2.1

SCALE:

ADDENDUM NO. 3
DATED 11/1/01
04-01869
FILE: 3D-4.3
JOB: 1998-01.69

ISSUED WITH ADDENDUM #3 dated 11/01/2001

PARTIAL DEMO. & FLOOR PLANS - BUILDINGS 1 & 2

NTD ARCHITECTS

SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT

AD3-4

REFERENCE: D-2.1, A-2.1

SCALE:

ADDENDUM NO. 3
DATED 11/1/01
04-01869
FILE: 3D-4.3
JOB: 1998-01.69

ISSUED WITH ADDENDUM #3 dated 11/01/2001

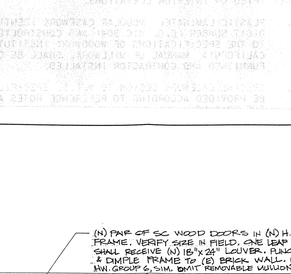
ADD.NO.3/ ITEM NO.3.1

CONSTRUCTION KEY NOTES

FOR BALANCE OF NOTES REFER TO SHEET A-2.2

DIVISION 3: CONCRETE

3.1 NEW CONC. THRESHOLD. PREPARE AS NEEDED TO RECEIVE NEW FLOORING, SEE DETAIL 7/A-7.2



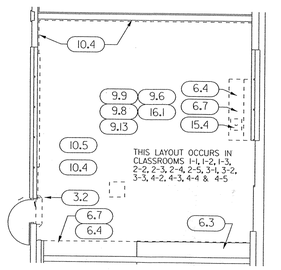
FLOOR PLAN – TYP. CLASSROOM

DEMOLITION NOTES

FOR BALANCE OF NOTES REFER TO SHEET D-2.2

DIVISION 3: CONCRETE

3.2 REMOVE PORTION OF CONC SLAB & BRASS STRIP FOR NEW ADA THRESHOLD PER 7/A-7.2.



DEMO. PLAN – TYP. CLASSROOM

ADD.NO.1/ ITEM NO.3.1

DEMO. & FLOOR PLANS - TYPICAL CLASSROOMS

NTD ARCHITECTS

SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT

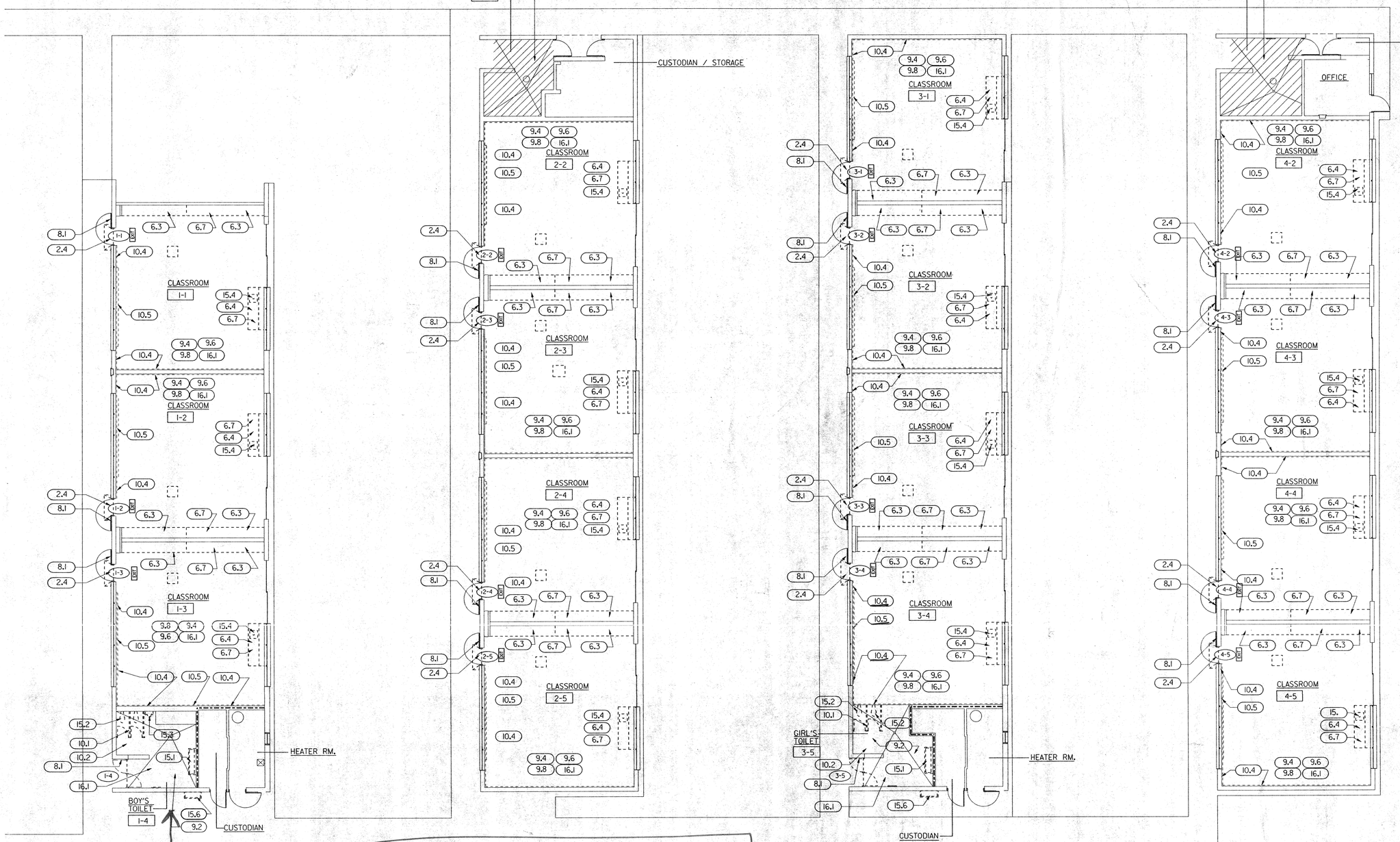
AD1-1

REFERENCE:

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

ADDENDUM # 1
DATED: 10/11/01
04-01869
FILE: 3D-4.3
JOB: 1998-01.69

ISSUED WITH ADDENDUM #1 dated 10/17/01



BUILDING # 1 DEMO FLR. PLAN

BUILDING # 2 DEMO FLR. PLAN

BUILDING # 3 DEMO FLR. PLAN

BUILDING # 4 DEMO FLR. PLAN

NOTE:

16.1 SYMBOL INDICATES ITEM SCHEDULED FOR DEMOLITION - REFERENCE SHEET D-2.2, FOR DEMOLITION KEY NOTES

3.1 SHEET D-2.1 - SHEET A-2.1 - ADD. NO. 3

1. **ADDENDUM DRAWING AD3-4** is issued with this Addendum #3 to show the addition of Doors #1-5, #1-6, #2-6, #2-7, #3-6, #3-7, #4-6, and #4-7.
2. REVISE Room Name 'Classroom' No. 2-5 to read "Library". REVISE Room Name 'Classroom' No. 2-4 to read "Computer Lab".
3. ADD Door 2-8 in wall between Library and Computer Lab. ADD Demolition Keynote 6.1 to Door 2-8. ADD Construction Keynotes 8.7 and 9.21.

4. ADD new Construction Keynote 9.21 to read as follows:
"9.21 Patch and repair existing interior Portland Cement plaster. Finish to align with existing adjacent plaster surfaces to remain."

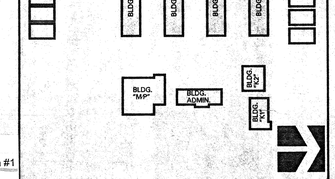
3.1 SHEET D-2.1 - ADD. NO. 2
1. On Sheet D-2.1 – Room I-4, Demolition Keynote applies for ALL existing urinals, both floor-mounted and wall-hung.

3.1 SHEET D-2.1 - SHEET A-2.1 -
1. **ADDENDUM DRAWING AD1-1** is issued with this Addendum #1 to show revised interior work at all Classrooms.

DEMOLITION FLOOR PLANS BUILDINGS #1, #2, #3 AND #4

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

KEY PLAN



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AC FLS SS
DATE JAN 8 2000

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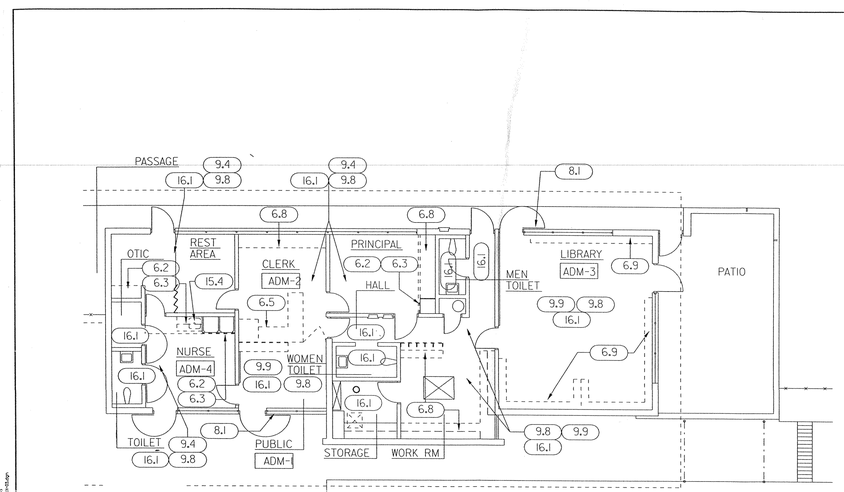
ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
DEMO FLOOR PLANS BUILDINGS #1, #2, #3 & #4

DATE 1/5/00
JOB NO. 19980189
DRAWN JH / CR
CHECKED

SHEET OF
D-2.1

DATE: 29-DEC-1999 TIME: 07:39
FILE: R:\westminster_esch\98980d00.dgn



DEMOLITION PLAN – ADMINISTRATION BLDG.

ADD.NO.1 / ITEM NO.3.2

DEMOLITION PLAN - ADMINISTRATION BLDG.

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

ADDENDUM • 1
DSA#: 04-101569
FILE#: 30-45

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ALTERATIONS TO
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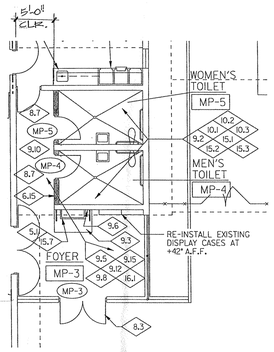
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

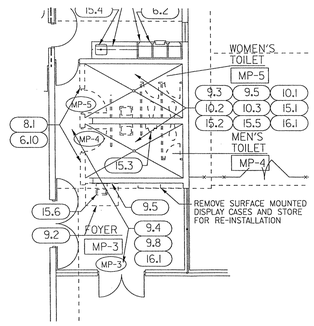
AD1-8
REFERENCE:

ISSUED WITH ADDENDUM #1 dated 10/11/01

DATE: 09-07-2000 Proj. 0351
DRAW FILE: G:\WIN-WORD\CAD-Add\Bldgs



FLOOR PLAN



DEMOLITION PLAN

3.2 SHEET D-2.2 -
SHEET A-2.2 - ADD.NO.2

2. **ADDENDUM DRAWING AD2-1** is issued with this Addendum #2 to show work to be done at the Multi-Purpose Bldg. Men's Toilet, Women's Toilet, and Foyer.

DEMO. & FLOOR PLANS - M/P TOILET ROOMS & FOYER

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

ADDENDUM NO. 2
DSA#: 04-101569
FILE#: 30-45
DATE: 10/23/01
JOB#: 1998-0189

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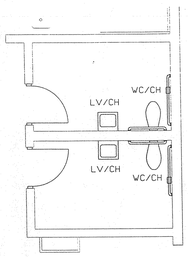
ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

AD2-1
REFERENCE: D-2.2, A-2.2

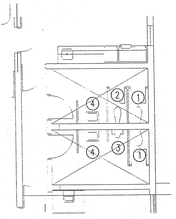
ISSUED WITH ADDENDUM #2 dated 10/23/01



FLOOR PLAN

REFERENCE NOTES:

1. EXISTING WATER CLOSET AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW WATER CLOSET ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
2. EXISTING WATER CLOSET AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
3. EXISTING URINAL AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
4. EXISTING LAVATORY AND TRIM, HOSE BIBB TO BE REMOVED; WASTE TO BE CAPPED BELOW FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.

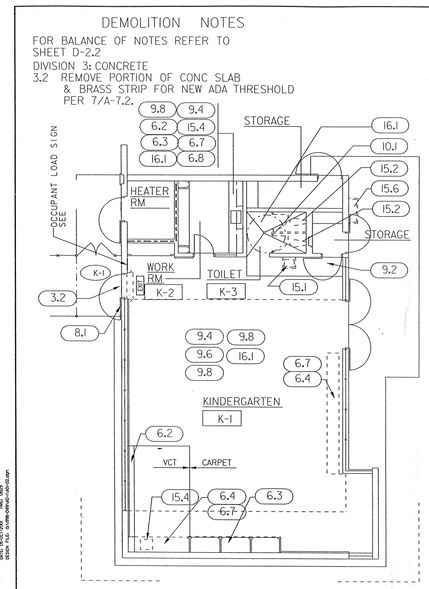


DEMOLITION PLAN

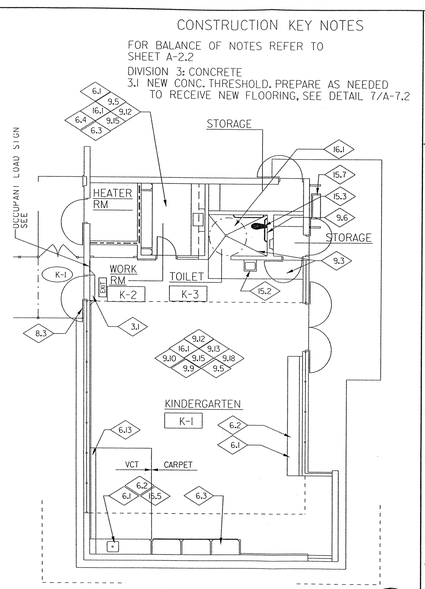
SCALE: 1/8" = 1'-0"	ADDENDUM NO. 2	DSA#: 04-101569	FILE#: 30-43
DEMO. & FLOOR PLANS - M/P TOILET ROOMS			DATE: 10-23-01
NTD ARCHITECTS 2665 Financial Way, Suite 106, Glendora, CA 91741 Glendora • San Diego • Auburn	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB: 1998-0189
			AD2-2 REFERENCE

3.9 ADDENDUM DRAWING AD2-2 - ADD.NO.2

9. **ADDENDUM DRAWING AD2-2** is issued with this Addendum #2 to show demolition and new work at the Multi-Purpose Toilet Rooms.



DEMO. PLAN – KINDERGARTEN



FLOOR PLAN – KINDERGARTEN

ADD.NO.1 / ITEM NO.3.2

DEMO & FLOOR PLANS - KINDERGARTEN BLDG.

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

ADDENDUM • 1
DSA#: 04-101569
FILE#: 30-45

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ALTERATIONS TO
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WESTMINSTER, CALIFORNIA

AD1-2
REFERENCE:

ISSUED WITH ADDENDUM #1 dated 10/11/01

DATE: 09-07-2000 Proj. 0351
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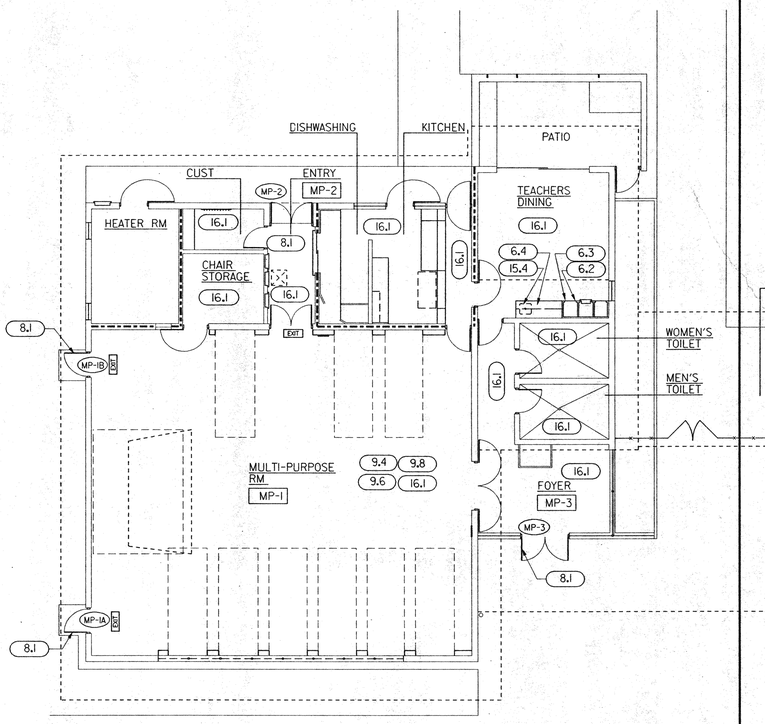
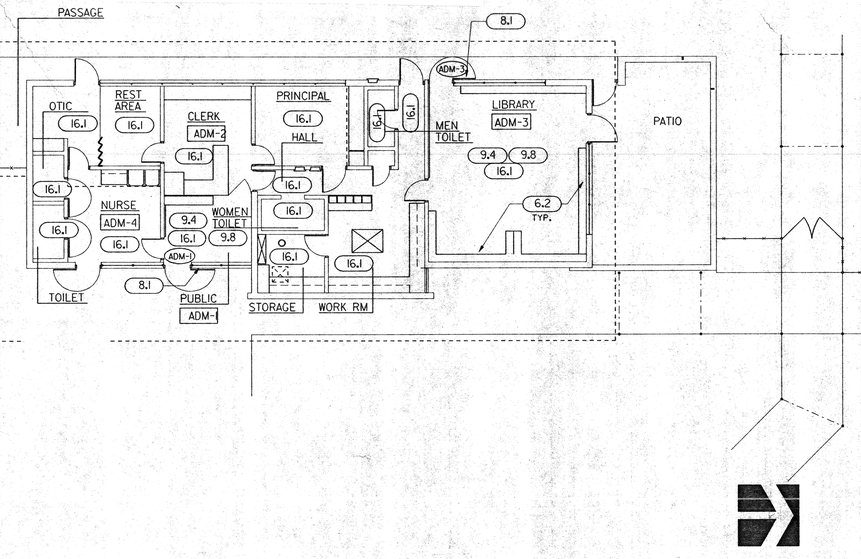
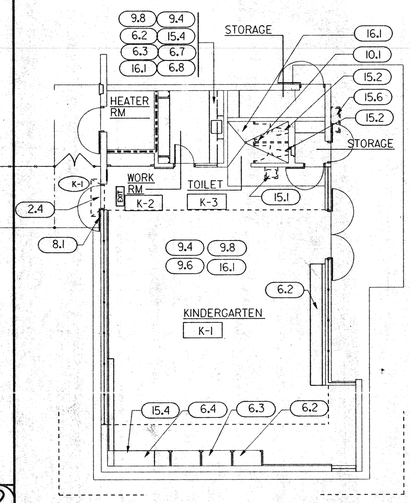


"MP" BUILDING DEMO FLR. PLAN — SCALE 1/8" = 1'-0" (1)



ADMIN. BUILDING DEMO FLR. PLAN — SCALE 1/8" = 1'-0" (2)



BLDG. "K" DEMO FLR. PLAN — SCALE 1/8" = 1'-0" (3)

DEMOLITION KEY NOTES

DIVISION 2: SITEWORK

2.1 REMOVE EXISTING ASPHALT PAVING AS REQUIRED FOR PLACING NEW H.C. SIGNS WITH CONC. PADS.

2.2 REMOVE EXTERIOR FIRE HOSE CABNET.

2.3 SAWCUT & REMOVE EXISTING ASPHALT PAVING AS REQ'D FOR REPLACEMENT OF PORTION OF EXISTING SEWER. COORDINATE WITH PLUMBING DEMO PLANS.

2.4 SAWCUT (E) CONC. FLR. SLAB AS REQ'D FOR (N) THRESHOLD.

DIVISION 3: CONCRETE

3.1 REMOVE PORTION OF EXIST. CONCRETE WALK, AS INDICATED ON SITE PLANS SHT. A-1.1

3.2 · SEE ADDENDA #1

DIVISION 4: MASONRY

4.1 SAWCUT PORTION OF OPENING IN WALL FOR NEW DOOR & FRAME.

DIVISION 6: WOOD AND PLASTIC

6.1 REMOVE PORTION OF EXISTING WOOD STUD WALL WITH FINISH.

6.2 PREPARE EXISTING CABINETS TO RECEIVE NEW FINISH.

6.3 REMOVE EXISTING WOOD STORAGE CABINET DOORS AND HARDWARE - DISPOSE.

6.4 REMOVE EXISTING BASE CABINETS & SINKS AND DISPOSE. SEE ADDENDA #1

6.5 REMOVE EXISTING FRONT RECEPTION COUNTER AT ADMINISTRATION BLDG. - DISPOSE.

6.6 REMOVE EXISTING STORAGE CABINET, DISPOSE.

6.7 REMOVE EXISTING SINK, COUNTERTOP, SPLASH & ENDS.

6.8 REMOVE EXISTING CASEWORK (WALL & BASE CABINETS & COUNTERTOPS)

6.9 : SEE ADDENDA #1

DIVISION 7: THERMAL AND MOISTURE CONTROL

3.3 SHEET D-2.2 - ADD-NO.2 / ITEM NO. 3

7.1 REMOVE EXISTING SKYLIGHT, FRAME & CURB.

DIVISION 8 DOORS AND WINDOWS

8.1 REMOVE EXISTING DOOR, HARDWARE AND WOOD FRAME. SEE ADDENDA #1

8.2 REMOVE S.C. DOOR WITH HARDWARE. DOOR FRAME TO REMAIN IN PLACE - DISPOSE DOOR.

8.3 REMOVE ALUM. SASH WINDOW; DISPOSE. REMOVE WINDOW & MODIFY ADJACENT WINDOWS AS REQUIRED FOR NEW DOOR AND FRAME.

8.4 REMOVE EXISTING PASS-THRU DOOR, FRAME AND HARDWARE - DISPOSE.

8.5 REMOVE DOOR HARDWARE ONLY - DISPOSE.

8.6 REMOVE EXISTING PLASTIC PANEL FROM EXISTING FRAME.

8.7 REMOVE EXISTING FOLDING PARTITION, TRACK & RELATED HARDWARE AND DISPOSE.

8.8 REMOVE EXISTING WINDOW FRAME & HARDWARE.

DIVISION 9: FINISHES

9.1 REMOVE ENTIRE 12" X 12" ACOUSTICAL TILE CEILING.

9.2 REMOVE CERAMIC TILE BASE AND FLOOR - DISPOSE.

9.3 REMOVE EXISTING CERAMIC TILE FLOOR AND BASE, CORNER TO CORNER, JOINT TO JOINT.

9.4 REMOVE EXISTING V.A.T. FLOOR FINISH - DISPOSE. SEE ADDENDA #1

9.5 REMOVE EXISTING CERAMIC TILE WAINSCOT AND SETTING BED.

9.6 REMOVE EXISTING WATER DAMAGED CEILING TILE AS REQUIRED.

9.7 REMOVE EXISTING DAMAGED ACOUSTICAL WALL TILE.

9.8 REMOVE EXISTING RESILIENT BASE.

9.9 REMOVE EXISTING CARPET AND PAD - DISPOSE.

9.10 REMOVE EXISTING INTERIOR PARITION - COORDINATE W/ MECH., PLUMB., & ELECT. DEMO. PLANS.

9.11 REMOVE EXIST. WD. BASE.

9.12 REMOVE EXIST. PLASTER CLG. & FURRING STRIPS.

9.13 : SEE ADDENDA #1

DIVISION 10: SPECIALTIES

10.1 REMOVE EXISTING TOILET PARTITIONS, SUPPORTS AND RELATED HARDWARE - DISPOSE.

10.2 REMOVE EXISTING TOILET ROOM ACCESSORIES AS REQUIRED; DISPOSE.

10.3 REMOVE EXISTING MIRROR, DISPOSE.

10.4 REMOVE EXISTING TACKBOARD AND DISPOSE.

10.5 REMOVE EXISTING CHALKBOARD AND DISPOSE.

10.6 REMOVE EXISTING SOAP TANK SYSTEM, DRAIN CONTENTS - ABANDON PIPES IN PLACE BEHIND WALL AND PATCH WALL.

DIVISION 15: MECHANICAL

15.1 REMOVE EXISTING LAVATORY, ALSO REFER TO MECHANICAL DEMOLITION PLANS.

15.2 REMOVE EXISTING WATER CLOSET. SEE MECHANICAL DEMOLITION PLANS.

15.3 REMOVE AND DISPOSE EXISTING URINAL, ALSO REFER TO MECHANICAL DEMOLITION PLANS.

15.4 REMOVE EXISTING SINK IN CLASSROOMS, ALSO REFER TO MECHANICAL DEMOLITION PLANS.

15.5 REMOVE AND CAP EXISTING WATER AND PLUMBING LINES FROM WALL, ALSO REFER TO MECHANICAL DEMOLITION PLANS.

15.6 REMOVE EXIST. DRINKING FOUNTAIN, ALSO REFER TO PLUMB. DEMO PLANS.

DIVISION 16: ELECTRICAL

16.1 REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURE AND DISPOSE, ALSO REFER TO ELECTRICAL DEMOLITION PLANS.

3.2 SHEET D-2.2 - ADD-NO.3
SHEET A-2.2 -

5. ADD new Door ADM-4 at Library ADM-3.

6. ADD Demolition Keynote 8.2 and Construction Keynote 8.1 to Door ADM-4.

7. At Doors MP-1 and MP-1B, REPLACE Demolition Keynote 8.1 with Demolition Keynote 8.2 REPLACE Construction Keynote 8.3 with Construction Keynote 8.1.

3.3 SHEET D-2.2 - ADD-NO.1

3. Demolition Keynote 2.4, CHANGE to read as follows:
"2.4 Not used."

3.3 SHEET D-2.2 (continued): ADD-NO.1

4. ADD new Demolition Keynote 3.2 to read as follows:
"3.2 Remove portion of concrete slab and brass strip for new ADA-compliant threshold. See 6/A-7.2."

5. Demolition Keynote 6.4, CHANGE to read as follows:
"6.4 Remove existing base cabinets and dispose."

6. Demolition Keynote 8.1, CHANGE to read as follows:
"8.1 Remove existing door, hardware, and frame."

7. Demolition Keynote 9.4, CHANGE to read as follows:
"9.4 Remove existing V.C.T. floor finish - dispose."

8. ADD Demolition Keynote 9.13 to read as follows:
"9.13 Remove existing curtains and curtain track - dispose."

9. ADD Demolition Keynote 6.9 to read as follows:
"6.9 Remove Library bookcases - dispose."

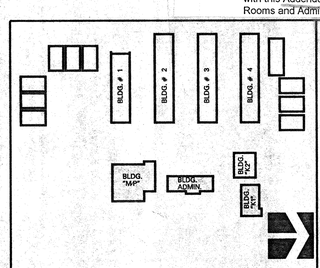
3.3 SHEET D-2.2 - ADD-NO.2

3. ADD Demolition Keynote 6.10 to read as follows:
"6.10 Remove existing wood stud wall, finishes, and concrete curb."

3.2 SHEET D-2.2 - ADD-NO-1
SHEET A-2.2 -

2. ADDENDUM DRAWINGS AD1-2, AD1-3, and AD1-4 are issued with this Addendum #1 to show revised work at all Kindergarten Rooms and Administration Bldg.

KEY PLAN



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ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

DEMO FLOOR PLANS MP, ADMIN, KINDERGARDEN BLDGS

DATE 1/5/00
JOB NO. 1998089
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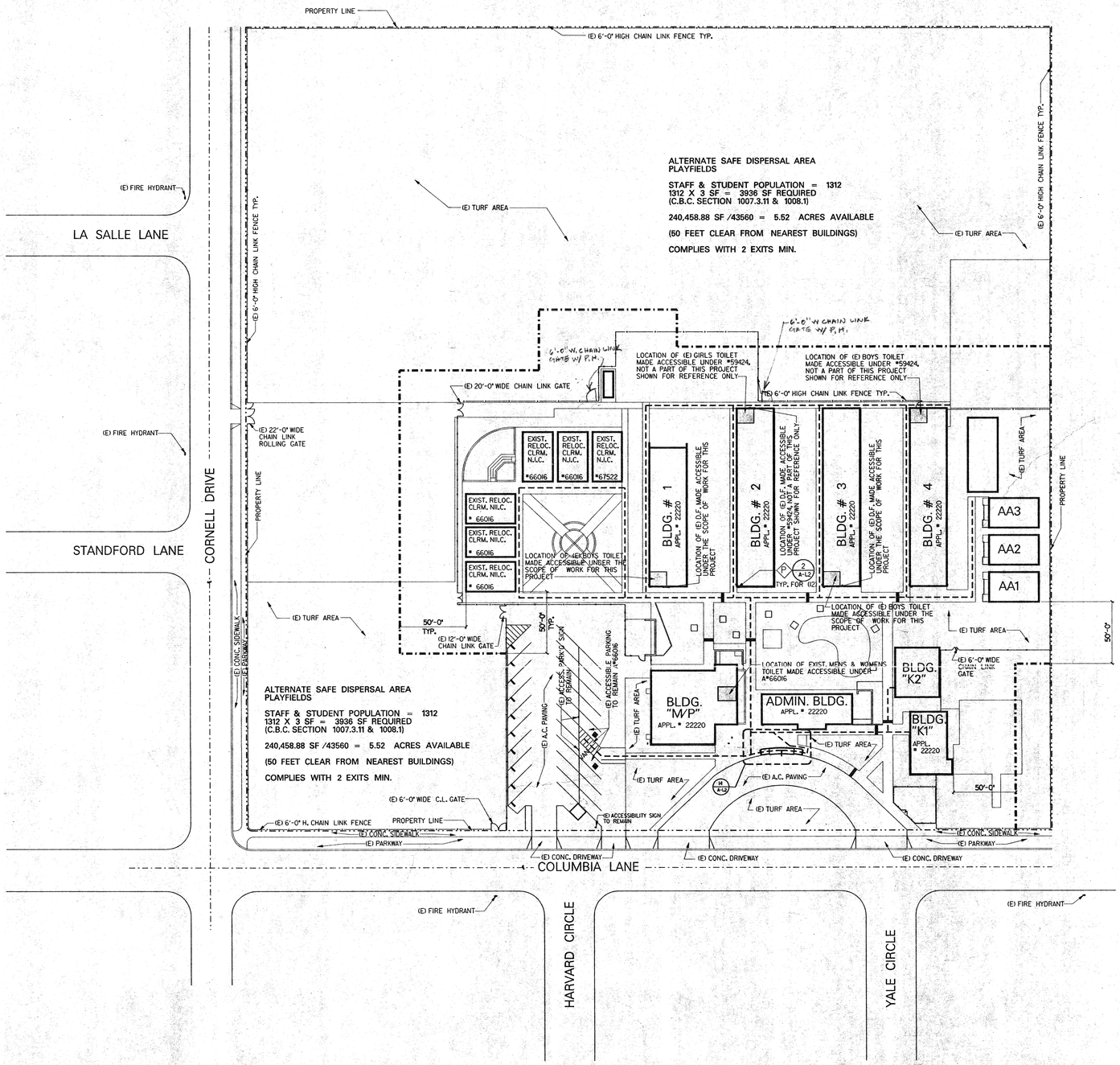
SHEET OF
D-2.2

DATE: 29-DEC-1999 - TIME: 07:40
FILE: f:\westminster_dsa\98034\98034202.dgn

BUILDING LEGEND

BUILDING	APPLICATION #	FORMERLY KNOWN AS
BUILDING No. 1	22220	BLDG. "C-4"
BUILDING No. 2	22220	BLDG. "C-3"
BUILDING No. 3	22220	BLDG. "C-2"
BUILDING No. 4	22220	BLDG. "C-1"
ADMIN. BUILDING	22220	BLDG. "AL"
BUILDING "K"	22220	BLDG. "K"
BUILDING "MP"	22220	BLDG. "MP"



NOTE:

SYMBOL INDICATES PATH OF TRAVEL, WHICH IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING ¼" AT ½2 MAX. SLOPE, EXCEPT THAT THE LEVEL CHANGES DO NOT EXCEED ½" VERTICAL. MAXIMUM CROSS - SLOPE 2% TYPICAL. ARCHITECT AND CONTRACTOR TO VERIFTY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED. (PER CBC SECT. 1023).

(K) SYMBOL INDICATES LOCATION OF (N) ACCESS SIGNAGE REFER TO SHEEET A-1.2, FOR DETAILS

FOR DEMOLITION KEY NOTES SEE DWG. D-2.2
FOR CONSTRUCTION KEY NOTES SEE DWG. A-2.2

EXISTING PARKING SPACES

PARKING LOT #1

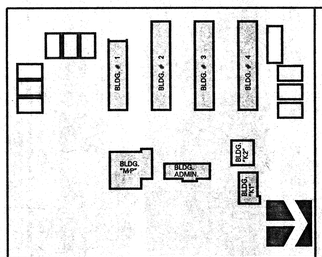
28 STANDARD PARKING STALLS
1 ACCESSIBLE PARKING STALLS
1 VAN ACCESSIBLE PARKING STALL

NOTE:
EXIST. PARKING STALLS MADE ACCESSIBLE UNDER A#66016 NOT A PART OF THIS PROJECT, SHOWN FOR REFERENCE ONLY

SITE PLAN

SCALE: 1" = 40'-0" (1)

KEY PLAN



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LICENSED ARCHITECT JAY R. HITT No. 25255 REN. 11-30-01 STATE OF CALIFORNIA

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
SITE PLAN

DATE	1/5/00
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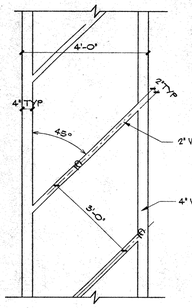
CHECKED	

SHEET OF

A-1.1

DATE: 29-DEC-1999 TIME: 07:40
FILE: f:\westminster.dsa\98908\98908s01.dgn

7221-2.2



PARTIAL PLAN

ACCESSIBLE PEDESTRIAN PATH

½" = 1'-0" (16)

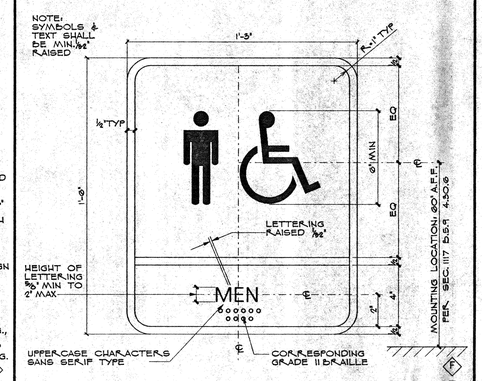
8189-10.20



NO PARKING FIRE LANE SIGN

3" = 1'-0" (12)

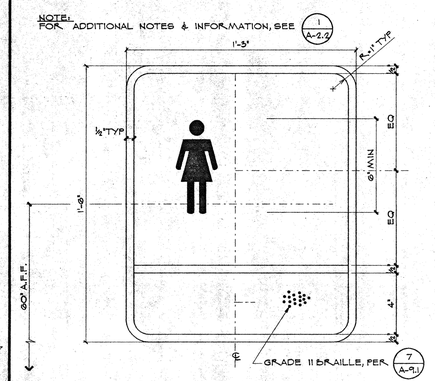
8189-10.17



ACCESS. MENS TOILET ROOM SIGN

3" = 1'-0" (8)

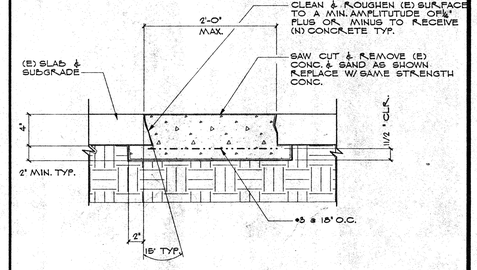
8189-10.24



ACCESS. GIRLS TOILET RM. SIGN

3" = 1'-0" (4)

8189-3.2

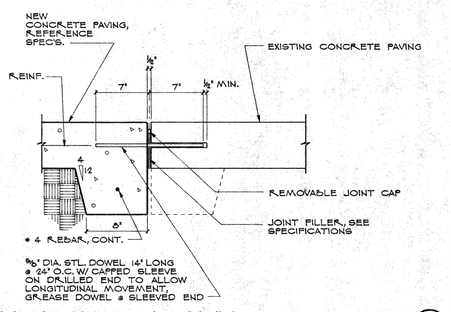


TYP. SLAB PATCH DET.

1½" = 1'-0" (1)

NOT USED (17)

8189-2.5

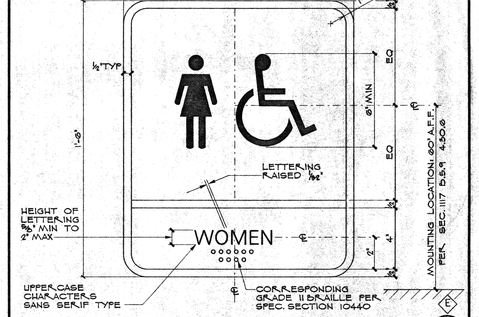


(N) TO (E) CONC. PAVING

1½" = 1'-0" (13)

8189-10.18 NOTE 1.: (TITLE 24 - SECTION 1117B.5.2 - BRAILLE SYMBOLS)

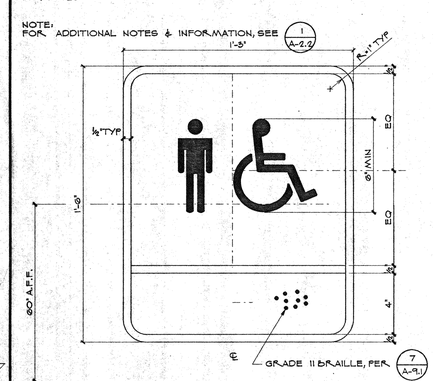
BRAILLE SYMBOLS, CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54MM) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635MM) ABOVE THE BACKGROUND.



ACCESS. WOMENS TOILET RM. SIGN

3" = 1'-0" (9)

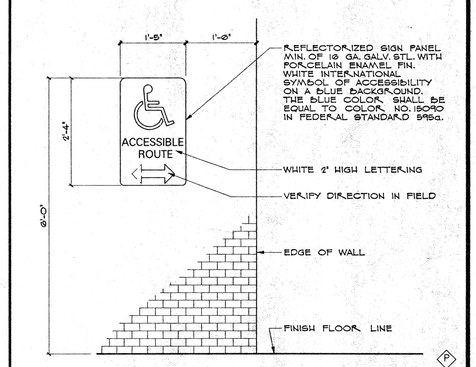
8189-10.23



ACCESS. BOYS TOILET ROOM SIGN

3" = 1'-0" (5)

8189-10.13

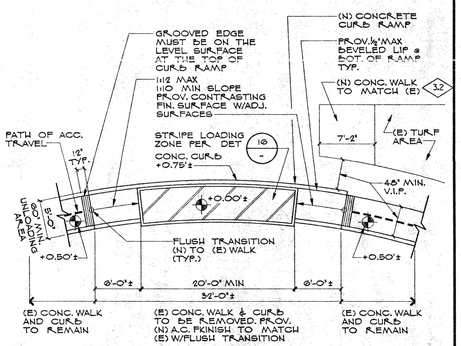


ACCESSIBLE DIRECTIONAL SIGN

¾" = 1'-0" (2)

NOT USED (18)

8189-2.12

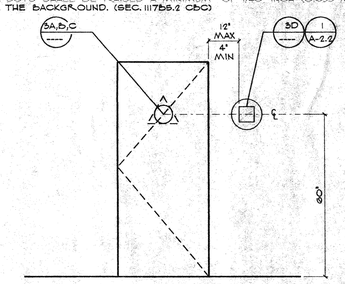


ACC. PASSENGERS DROP-OFF ZONE

½" = 1'-0" (14)

8189-10.26

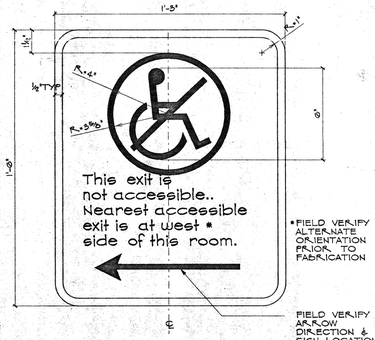
BRAILLE SYMBOLS: CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 MM) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 MM) ABOVE THE BACKGROUND. (SEC. 1117B.5.2 CBC)



R.M. DIRECTIONAL SIGN MOUNTING

½" = 1'-0" (10)

8189-10.15

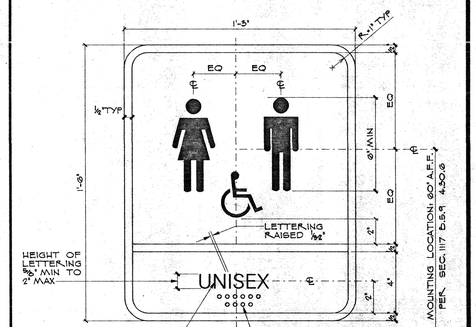


NON ACCESSIBLE EXIT SIGN

3" = 1'-0" (6)

8189-10.14

NOTE: FOR BRAILLE SYMBOLS SEE NOTE 1. ON DET.

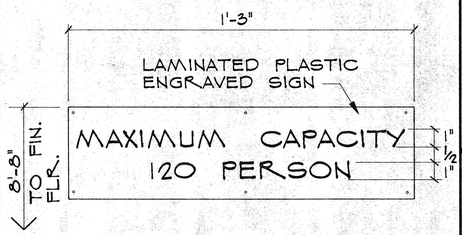


ACCESS. UNISEX TOILET ROOM SIGN

3" = 1'-0" (3)

NOT USED (19)

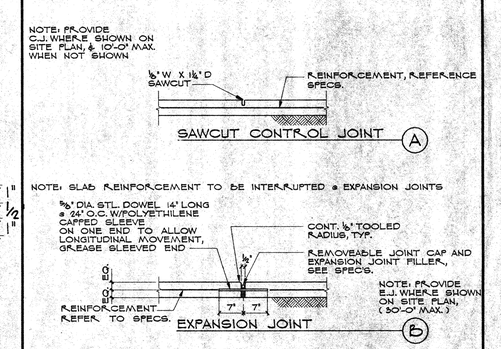
8189-10.29



OCCUPANT LOAD SIGN

3" = 1'-0" (15)

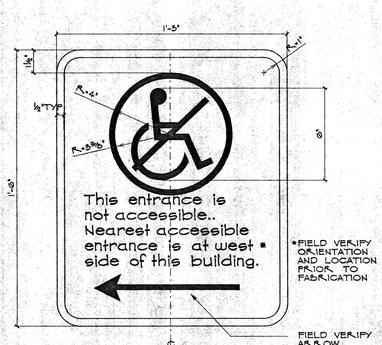
8189-2.4



TYPICAL SLAB JOINTS

NO SCALE (11)

8189-10.16



NON ACCESSIBLE ENTRANCE SIGN

3" = 1'-0" (7)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE MAY 05 2004

DSA APPROVAL

DSA PLAN REVIEW SUBMITTAL	9/10/99
DSA BACK CHECK SUBMITTAL	1/5/00

FILE: f:\westminster_esd\8189\8189s02.dgn
DATE: 29-DEC-1999
TIME: 08:19

NTD ARCHITECTS
2125 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

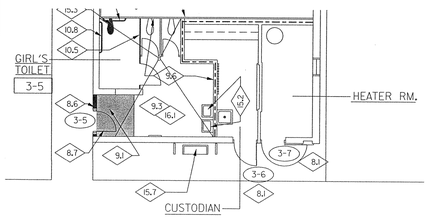
LICENSED ARCHITECT — JAY TITTLE — No. 12265 — REN. 11-30-01 — STATE OF CALIFORNIA

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
SITE DETAILS

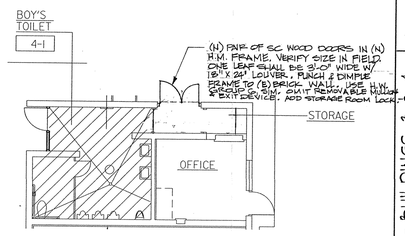
DATE 1/5/00
JOB NO. 1998/189
Drawn CR
CHECKED

SHEET OF
A-1.2

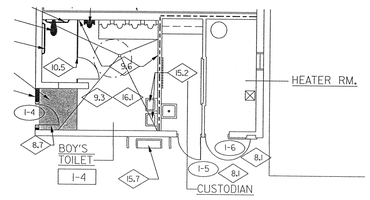
DATE: 29-DEC-1999 TIME: 08:19
FILE: f:\westminster_esd\8189\8189s02.dgn



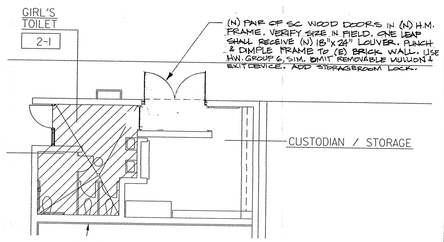
FLOOR PLAN – BUILDING 3



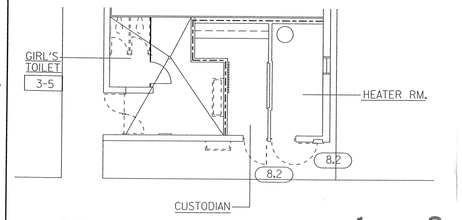
FLOOR PLAN – BUILDING 4



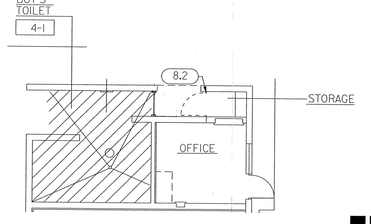
FLOOR PLAN – BUILDING 1



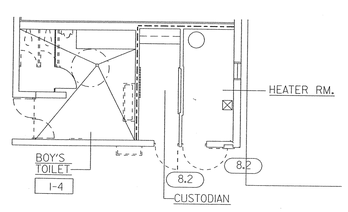
FLOOR PLAN – BUILDING 2



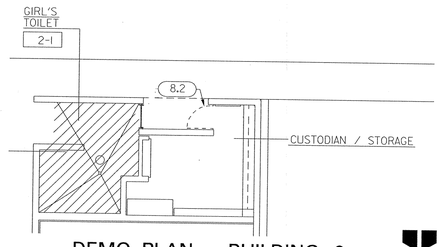
DEMO. PLAN – BUILDING 3 ADD.NO.3



DEMO. PLAN – BUILDING 4



DEMO. PLAN – BUILDING 1



DEMO. PLAN – BUILDING 2

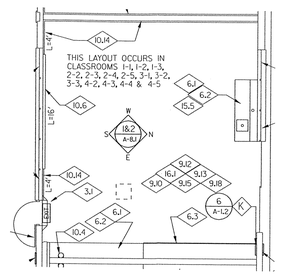
ADD.NO.3/ ITEM NO.3-1

CONSTRUCTION KEY NOTES

FOR BALANCE OF NOTES REFER TO SHEET A-2.2

DIVISION 3: CONCRETE

3.1 NEW CONC. THRESHOLD. PREPARE AS NEEDED TO RECEIVE NEW FLOORING, SEE DETAIL 7/A-7.2



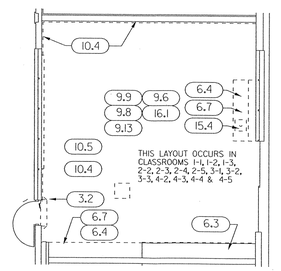
FLOOR PLAN – TYP. CLASSROOM

DEMOLITION NOTES

FOR BALANCE OF NOTES REFER TO SHEET D-2.2

DIVISION 3: CONCRETE

3.2 REMOVE PORTION OF CONC SLAB & BRASS STRIP FOR NEW ADA THRESHOLD PER 7/A-7.2.



DEMO. PLAN – TYP. CLASSROOM

ADD.NO.1 / ITEM NO.3.1

PARTIAL DEMO. & FLOOR PLANS - BUILDINGS 3 & 4

NTD

AD3-5

REFERENCE: D-2.1, A-2.1

SCALE:

ADDENDUM	NO. 3
DATE	10/15/01
04-01868	11/01
FILE:	JOB:
30-45	1998-0168

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ISSUED WITH ADDENDUM #3 dated 11/01/2001

PARTIAL DEMO. & FLOOR PLANS - BUILDINGS 1 & 2

NTD

AD3-4

REFERENCE: D-2.1, A-2.1

SCALE:

ADDENDUM	NO. 3
DATE	10/15/01
04-01868	11/01
FILE:	JOB:
30-45	1998-0168

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ISSUED WITH ADDENDUM #3 dated 11/01/2001

DEMO. & FLOOR PLANS - TYPICAL CLASSROOMS

NTD

AD1-1

REFERENCE:

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

ADDENDUM	1
DATE	10/1/01
04-01868	
FILE:	JOB:
30-45	1998-0168

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ISSUED WITH ADDENDUM #1 dated 10/11/01

NOTE:
NO WORK TO DONE AT THESE TOILETS
EXIST. TOILETS MADE ACCESSIBLE UNDER
A66016, SHOWN FOR REFERENCE ONLY

GIRL'S TOILET 2-1

CUSTODIAN / STORAGE

CLASSROOM 2-2

CLASSROOM 2-3

COMPUTER LAB
CLASSROOM 2-4

LIBRARY
CLASSROOM 2-5

HEATER RM.

CUSTODIAN

BOY'S TOILET 1-4

CLASSROOM 1-1

CLASSROOM 1-2

CLASSROOM 1-3

BUILDING # 1 FLR. PLAN

BUILDING # 2 FLR. PLAN

CLASSROOM 3-1

CLASSROOM 3-2

CLASSROOM 3-3

CLASSROOM 3-4

GIRL'S TOILET 3-5

HEATER RM.

CUSTODIAN

BUILDING # 3 FLR. PLAN

BOY'S TOILET 4-1

NOTE:
NO WORK TO DONE AT THESE TOILETS
EXIST. TOILETS MADE ACCESSIBLE UNDER
A66016, SHOWN FOR REFERENCE ONLY

STORAGE

OFFICE

CLASSROOM 4-2

CLASSROOM 4-3

CLASSROOM 4-4

CLASSROOM 4-5

BUILDING # 4 FLR. PLAN

NOTE:
6.6 SYMBOL INDICATES NEW WORK - REFERENCE SHEET A-2.2, FOR CONSTRUCTION KEY NOTE.

SYMBOL INDICATES EXISTING ONE HOUR FIRE RATED WALL TO REMAIN

1. PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC OF FIRE STOPS ASTM-E-814 AND UBC STANDARD 7-5.
2. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS, INCLUDING CONDUITS AND PIPING THROUGH FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH UBC STANDARD 7-5. WHERE ITEM PENETRATES AN AREA SEPRATION WALL, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.
3. FOR FIRESTOPPING SCHEDULE, SEE (1 / A-9.2)
4. FOR PIPE & CONDUIT PENETRATIONS THROUGH FIRE RATED WALL - SEE (2 / A-9.2) (3 / A-9.2) (4 / A-9.2) (8 / A-9.2)
5. PATCH ALL WALLS WHERE DEMO OCCURS TO MATCH EXISTING OR ADJACENT FINISHES (TYP.)
6. EXISTING FOLD DOWN TABLES ARE TO REMAIN, NOT INCLUDED IN THE SCOPE OF WORK FOR THIS PROJECT.

3.4 SHEET A-2.1 - ADD.NO.2
SHEET A-3.1 -

4. On Sheet A-2.1 – Room I-4 and on Sheet A-3.1 – Room I-4, Construction Keynote 15.4 applies for ALL urinals. All new urinals shall be wall-hung.

3.1 SHEET D-2.1 - ADD.NO.3
SHEET A-2.1 -

1. **ADDENDUM DRAWING AD3-4** is issued with this Addendum #3 to show the addition of Doors #1-5, #1-6, #2-6, #2-7, #3-6, #3-7, #4-6, and #4-7.
2. REVISE Room Name 'Classroom' No. 2-5 to read "Library". REVISE Room Name 'Classroom' No. 2-4 to read "Computer Lab".
3. ADD Door 2-8 in wall between Library and Computer Lab. ADD Demolition Keynote 6.1 to Door 2-8. ADD Construction Keynotes 8.7 and 9.21.

4. ADD new Construction Keynote 9.21 to read as follows:
"9.21 Patch and repair existing interior Portland Cement plaster. Finish to align with existing adjacent plaster surfaces to remain."

3.3 SHEET A-2.1 - ADD.NO.3
SHEET A-2.2 -

8. At the end of 'Notes', ADD Note to read as follows:
"Replace all plastic windows, composite panels and damaged glass with new 1/4" glass (approximately 80%).

3.1 SHEET D-2.1 -
SHEET A-2.1 -

1. **ADDENDUM DRAWING AD1-1** is issued with this Addendum #1 to show revised interior work at all Classrooms.

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

FLOOR PLANS BUILDINGS #1, #2, #3, AND #4

BLDG. #1 BLDG. #2 BLDG. #3 BLDG. #4 BLDG. "MP" BLDG. ADMIN. BLOCK WALL BLOCK WALL

KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 07 2000

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

FILE: f:\westminster...esd\1889\a1889s200.dgn
DATE: 29-DEC-1999
TIME: 08:05

LICENSED ARCHITECT
JAY R. TITLE
No. C25605
REN. 8-31-2000
STATE OF CALIFORNIA

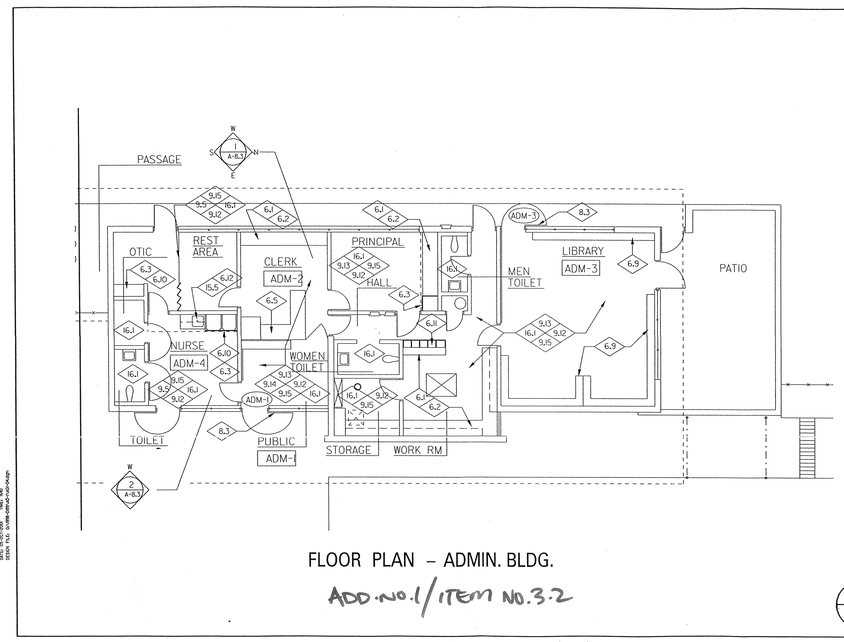
NTD
ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
FLOOR PLANS BLDG. #1, #2, #3 AND #4

DATE 1/5/00
JOB NO. 19980189
DRAWN JH/MK/CR
CHECKED

SHEET OF
A-2.1

DATE: 29-DEC-1999 TIME: 08:05
FILE: f:\westminster...esd\1889\a1889s200.dgn



FLOOR PLAN – ADMIN. BLDG.

ADD.NO.1/ITEM NO.3.2

FLOOR PLAN - ADMINISTRATION BLDG.

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

ADDENDUM #1 | DATE: 10/11/01

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

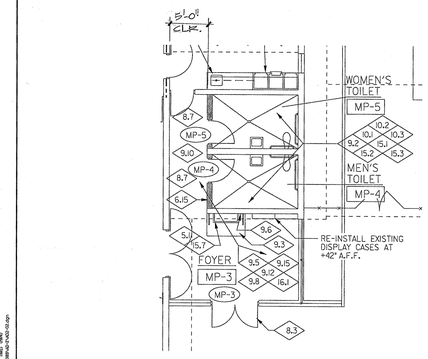
DSA#: 04-101569 | FILE#: 30-45 | JOB: 1998-0189

NTD ARCHITECTS

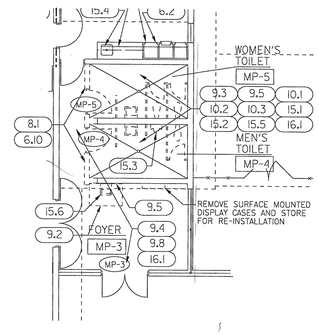
AD1-4

REFERENCE: A-2.2

ISSUED WITH ADDENDUM #1 dated 10/11/01



FLOOR PLAN



DEMOLITION PLAN

3.2 SHEET D-2.2 - ADD NO. 2
SHEET A-2.2 -

2. **ADDENDUM DRAWING AD2-1** is issued with this Addendum #2 to show work to be done at the Multi-Purpose Bldg. Men's Toilet, Women's Toilet, and Foyer.

DEMO. & FLOOR PLANS - M/P TOILET ROOMS & FOYER

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

ADDENDUM NO. 2 | DATE: 10/23/01

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

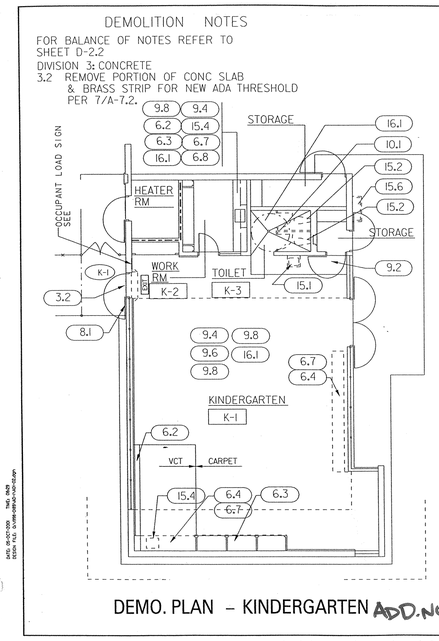
DSA#: 04-101569 | FILE#: 30-45 | JOB: 1998-0189

NTD ARCHITECTS

AD2-1

REFERENCE: D-2.1, A-2.2

ISSUED WITH ADDENDUM #2 dated 10/23/01



DEMO. PLAN – KINDERGARTEN ADD.NO.1/ITEM NO.3.2 FLOOR PLAN – KINDERGARTEN

DEMO & FLOOR PLANS - KINDERGARTEN BLDG.

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

ADDENDUM #1 | DATE: 10/11/01

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

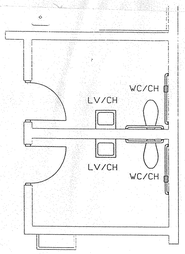
DSA#: 04-101569 | FILE#: 30-45 | JOB: 1998-0189

NTD ARCHITECTS

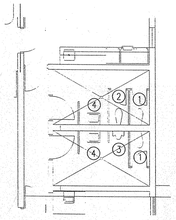
AD1-2

REFERENCE:

ISSUED WITH ADDENDUM #1 dated 10/11/01



FLOOR PLAN



DEMOLITION PLAN

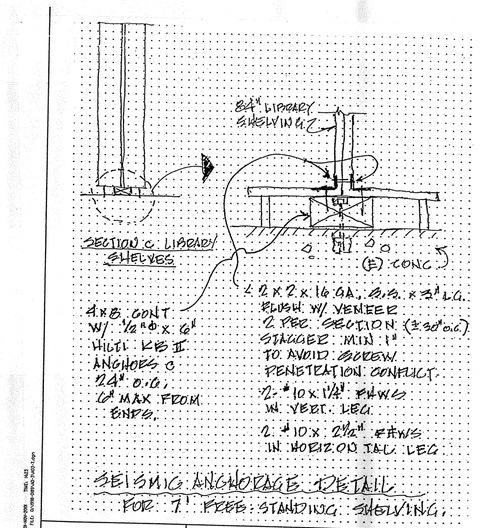
REFERENCE NOTES:

1. EXISTING WATER CLOSET AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW WATER CLOSET ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
2. EXISTING WATER CLOSET AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
3. EXISTING URINAL AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
4. EXISTING LAVATORY AND TRIM; HOSE BIBB TO BE REMOVED; WASTE TO BE CAPPED BELOW FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.

SCALE: 1/8" = 1'-0"	ADDENDUM NO. 2	DSA#: 04-101569	FILE#: 30-43
DEMO. & FLOOR PLANS - M/P TOILET ROOMS			DATE: 10/23/01
NTD ARCHITECTS	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB: 1998-0189
		AD2-2	REFERENCE

3.9 ADDENDUM DRAWING AD2-2 - ADD.NO.2

9. **ADDENDUM DRAWING AD2-2** is issued with this Addendum #2 to show demolition and new work at the Multi-Purpose Toilet Rooms.



SCALE: NO SCALE	ADDENDUM NO. 3	DSA#: 04-101569	FILE#: 30-43
SEISMIC ANCHORAGE DETAIL			DATE: 11/1/01
NTD ARCHITECTS	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB: 1998-0189
		AD3-7	REFERENCE

ISSUED WITH ADDENDUM #3 dated 11/01/2001

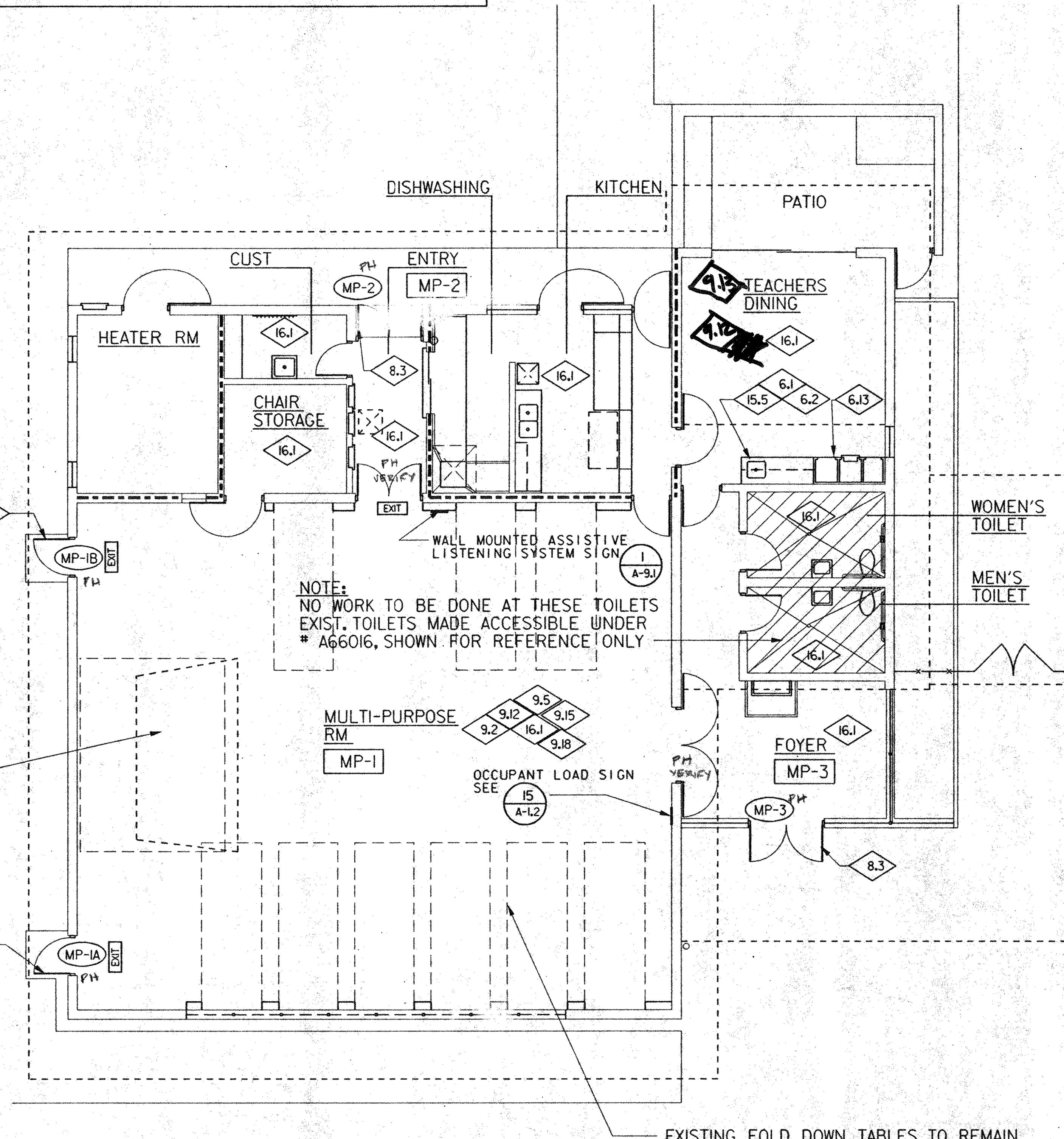
3.8 ADDENDUM DRAWING AD3-7 - ADD.NO.3

17. **ADDENDUM DRAWING AD3-7** is issued with this Addendum #3 to show anchorage for free-standing shelving.

ASSISTIVE LISTENING SYSTEM

PROVIDE A COMPLETE ASSISTIVE LISTENING SYSTEM FURNISHED AND INSTALLED TO MEET THE ADA AND TITLE 24 REQUIREMENTS FOR THE HARD - OF - HEARING. THE SYSTEM SHALL BE INTEGRATED INTO THE SOUND REINFORCEMENT SYSTEM. MOUNT THE TRANSMITTER IN AN AREA ADJACENT TO THE EXISTING SOUND SYSTEM. ADJUST AS REQUIRED FOR TOTAL COVERAGE OF SEATING AREA. ASSISTIVE LISTENING SYSTEM SHALL INCLUDE:

1. (1) TRANSMITTER - TELEX MODEL AA-2
2. ( ) RECEIVERS - TELEX AAR-10
3. ( ) EAR BUD SETS - TELEX SEB -1
4. ( ) ANTENNA - TELEX HGA - FOR INTERIOR SPACE



TYPICAL:

AT PARTITION DOORS FOR ACCESSIBLE TOILET STALLS (NEW & EXISTING) PROVIDE SELF-CLOSING HARDWARE, SLIDE- BOLT LATCH & WIRE DOOR PULLS AT EACH SIDE OF PARTITION DOORS +30" - 44" A.F.F.

"MP" BUILDING FLR. PLAN — SCALE 1/8" = 1'-0" (1)

3.5 SHEET A-2.2 - ADD-NO.2

5. ADD Construction Keynote 6.15 to read as follows:

"6.15 Provide new 2 x 6 wood stud wall on 6" concrete curb. Reroute all electrical and plumbing as needed. Provide finishes.

6. ADD new Note 7 to read as follows:

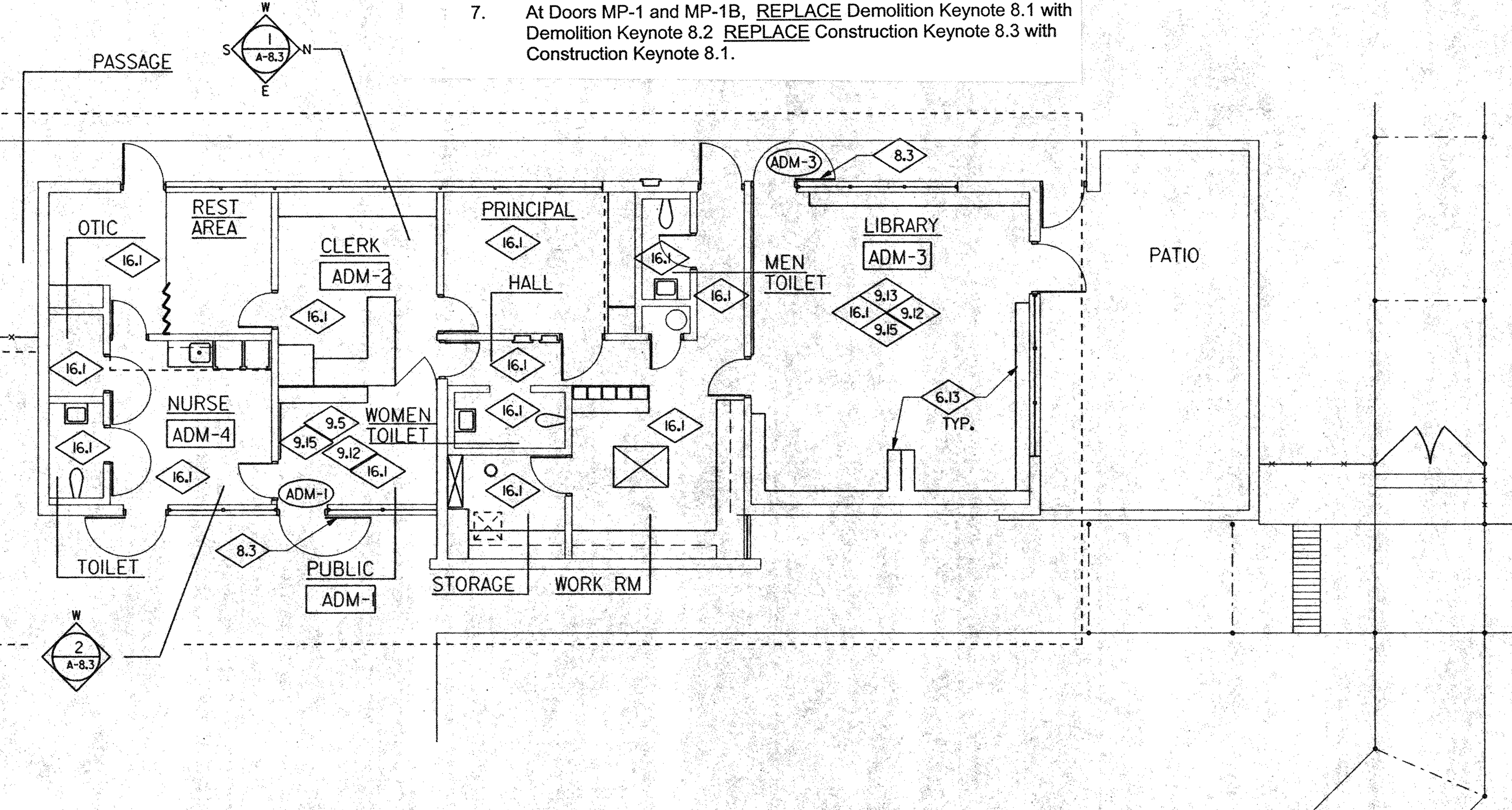
"7. Provide padding at all carpet throughout the Administration Bldg.".

3.2 SHEET D-2.2 - SHEET A-2.2 - ADD NO.3

5. ADD new Door ADM-4 at Library ADM-3.

6. ADD Demolition Keynote 8.2 and Construction Keynote 8.1 to Door ADM-4.

7. At Doors MP-1 and MP-1B, REPLACE Demolition Keynote 8.1 with Demolition Keynote 8.2 REPLACE Construction Keynote 8.3 with Construction Keynote 8.1.



3.3 SHEET A-2.1 - SHEET A-2.2 - ADD NO.3

8. At the end of 'Notes', ADD Note to read as follows:

"Replace all plastic windows, composite panels and damaged glass with new 1/4" glass (approximately 80%).

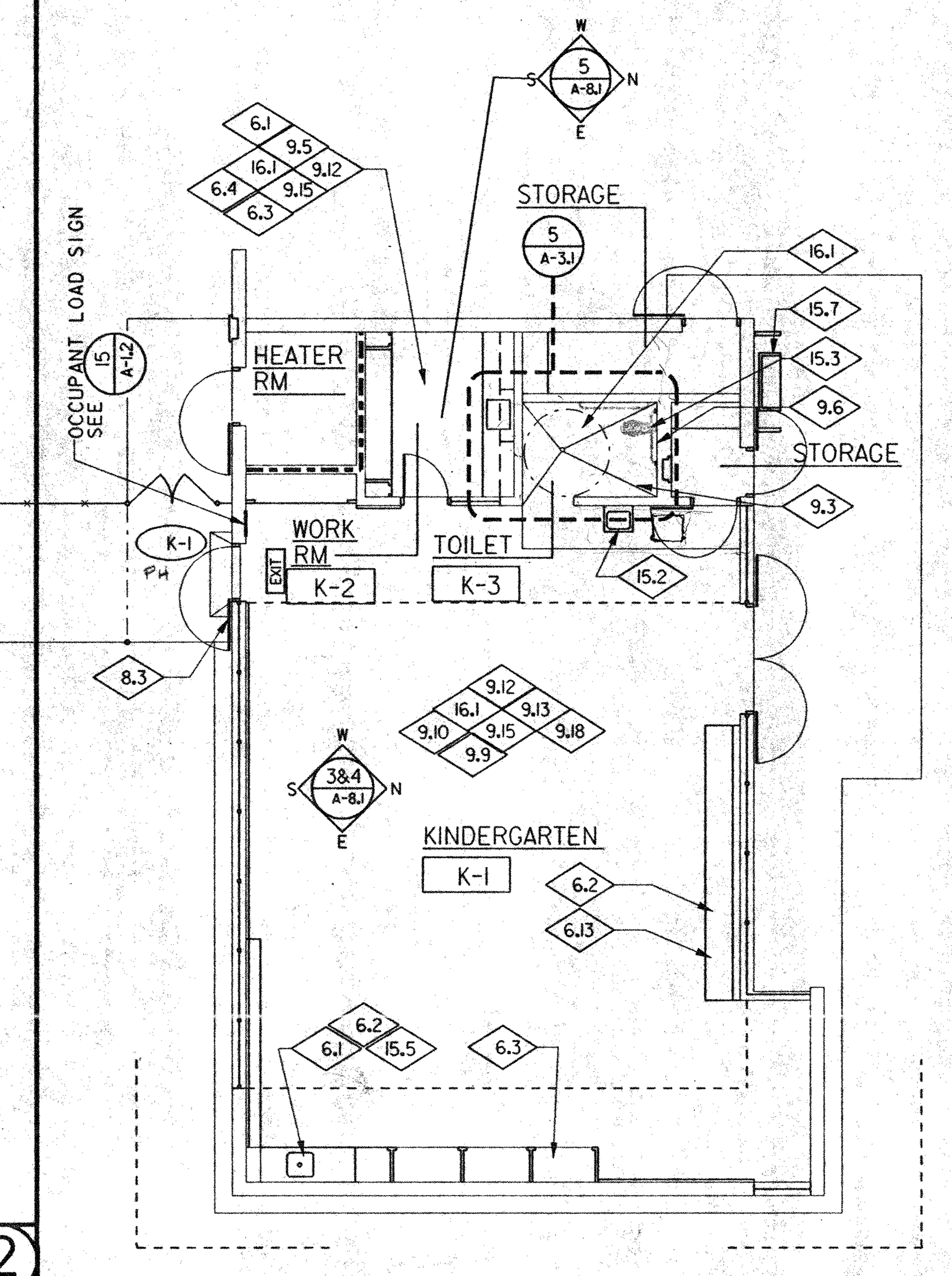
ADMIN. BUILDING FLR. PLAN — SCALE 1/8" = 1'-0" (2)

NOTE:

(6.6) SYMBOL INDICATES NEW WORK - REFERENCE CONSTRUCTION KEY NOTES ON THIS SHEET

- - - - SYMBOL INDICATES EXISTING ONE HOUR FIRE RATED WALL TO REMAIN

1. PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC OF FIRE STOPS ASTM-E-814 AND UBC STANDARD 7-5.
2. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATIONS, INCLUDING CONDUITS AND PIPING THROUGH FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH UBC STANDARD 7-5. WHERE ITEM PENETRATES AN AREA SEPRATION WALL, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS THERETO SHALL BE ONLY OF METAL.
3. FOR FIRESTOPPING SCHEDULE, SEE 1/A-9.2
4. FOR PIPE & CONDUIT PENETRATIONS THROUGH FIRE RATED WALL - SEE 2/A-9.2 3/A-9.2 4/A-9.2 8/A-9.2
5. PATCH ALL WALLS WHERE DEMO OCCURS TO MATCH EXISTING OR ADJACENT FINISHES (TYP.)
6. EXISTING FOLD DOWN TABLES ARE TO REMAIN, NOT INCLUDED IN THE SCOPE OF WORK FOR THIS PROJECT.
7. ADD.NO.2 / ITEM NO.3.5
8. ADD.NO.3 / ITEM NO.3.3



BLDG. "K" FLR. PLAN — SCALE 1/8" = 1'-0" (3)

CONSTRUCTION KEY NOTES:

DIVISION 2. SITE WORK

2.1 NOT USED

2.2 PATCH EXISTING ASPHALT PAVING AFTER PLACING NEW H/C SIGNS WITH CONCRETE FOOTINGS.

~~2.3~~ POUR (N) CONCRETE THRESHOLD PER DETAILS 6 & 11/A-7.2 SEE ADDENDA #10

2.4 PROVIDE ADDITIONAL ASPHALT PAVING AS REQUIRED TO LEVEL OUT PARKING LOT IN H/C PARKING STALLS TO ELIMINATE PONDING WATER AND RESTRIPE.

DIVISION 3. CONCRETE

3.1 CONC. FOOTING FOR DRINKING FOUNTAIN GUARDRAIL SEE ADDENDA #1 (3.4)

3.2 NEW 4" THICK CONCRETE WALK WITH 12 X 12 - W2.8 X W2.8 WELDED WIRE FABRICK. CONCRETE WALK SHALL HAVE MEDIUM BROOM FINISH.

DIVISION 4. MASONRY

4.1 SAW CUT OPENING IN WALL FOR NEW DOOR & FRAME ONLY.

DIVISION 5. METALS

5.1 PROVIDE AND INSTALL NEW STL. PIPE GUARDRAILS @ DRINKING FOUNTAIN.

DIVISION 6. WOOD AND PLASTIC

6.1 PROVIDE NEW PLASTIC LAMINATE COUNTERTOP, INCLUDING CUTOUT FOR NEW SINK AS REQ'D, COVED REAR AND END SPLASHING..

6.2 PROVIDE NEW BASE CABINETS WITH PLASTIC LAMINATE FINISH. SEE INTERIOR ELEVATION. PROVIDE CABINET FILLER PANEL AS REQUIRED. MATCH FINISH TO ADJACENT SURFACES.

6.3 REFACE EXISTING WOOD STORAGE CABINETS WITH PLASTIC LAMINATE FINISH. FURNISH WITH PLASTIC LAMINATE DOORS AND HARDWARE.

6.4 PROVIDE NEW BASE & UPPER WALL CABINETS WITH PLASTIC LAMINATE FINISH. W.I.C. GRADE. REFER TO SPECS.

6.5 PROVIDE NEW FRONT RECEPTION COUNTER AT ADMINISTRATION BLDG. WITH PLASTIC LAMINATE FINISH, SELF EDGE, PER DET. XXX

6.6 REFINISH CASEWORK AT NURSE'S STATION & REFINISH MAIL DOOR AT ADMINISTRATION WITH PLASTIC LAMINATE.

6.7 PROVIDE & INSTALL NEW TALL STORAGE CABINETS WITH LAMINATED PLASTIC FINISH W.I.C. GRADE. REFER TO INTERIOR ELEVATION SHEET.

6.8 INFILL OPENING WITH WOOD STUDS AND FINISH TO MATCH AND ALIGN WITH EXISTING ADJACENT SURFACES TO REMAIN SEE DET. 13/A-9.1

6.9 NOT USED SEE ADDENDA #12

6.10 NEW PLASTIC LAMINATE CABINET DOORS WITH HARDWARE.

6.11 NOT USED SEE ADDENDA #13

6.12 NEW BASE AND WALL CABINETS WITH PLASTIC LAMINATE COUNTERTOP AT NURSE'S STATION PER DETAIL. XXX

6.13 PROVIDE NEW PLASTIC LAMINATE FINISH AT ALL EXPOSED SIDES INCLUDIG NEW COUNTERTOP AND REAR END SPLASH.

6.14 PROVIDE NEW STORAGE CABINETS IN CLASROOM.

6.15 ADD.NO.2 / ITEM NO.3.5

DIVISION 7. THERMAL AND MOISTURE CONTROL

7.1 PATCH & REPAIR EXISTING BUILT-UP ROOF, WITH LIKE MATERIALS FINISH TO MATCH & ALIGN WITH EXISTING BUILT-UP ROOF TO REMAIN.

7.2 NOT USED

7.3 PROVIDE AND INSTALL BATT INSULATION AT WALL.

DIVISION 8. DOORS AND WINDOWS

8.1 PROVIDE NEW SOLID CORE WOOD DOORS WITH HARDWARE, REFER TO DOOR SCHEDULE ON SHT A-7.1

8.2 PROVIDE NEW WINDOW PER

8.3 REPLACE DOOR HARDWARE FOR EXISTING S.C. WOOD DOOR PER DOOR SCHEDULE ON SHEET A-7.1

8.4 LUBRICATE GUIDES AND REPAIR/REPLACE WINDOW HARDWARE AT ALL OPERABLE WINDOWS.

8.5 REVERSE EXISTING DOOR SWING, REVISE EXISTING FRAME AS REQUIRED.

8.6 PROVIDE AND INSTALL NEW METAL LOUVER, FRAME AND SCREEN SEE DET 1 & 2/A-7.2

8.7 PROVIDE & INSTALL NEW SOLID CORE DOOR, HOLLOW METAL FRAME & HDWE.

DIVISION 9. FINISHES

9.1 REPAIR EXISTING INTERIOR PORTLAND CEMENT PLASTER AT WALLS. MATCH AND ALIGN WITH ADJACENT EXISTING SURFACES.

9.2 NEW 12" X 12" ACOUSTICAL TILE CEILING

9.3 NEW THIN-SET CERAMIC TILE BASE AND FLOORS

9.4 PATCH EXISTING CERAMIC TILE FLOOR AND BASE. MATCH MATERIAL AND PATTERN WITH EXISTING ADJACENT CERAMIC TILE SURFACES.

9.5 PROVIDE & INSTALL NEW V.C.T.

9.6 NEW CERAMIC TILE WAINSCOT.

9.7 PAINT EXTERIOR DOOR , COLOR AS SELECTED BY ARCHITECT.

9.8 PATCH & REPAIR EXISTING EXTERIOR PORTLAND CEMENT PLASTER - FINISH TO & ALIGN WITH EXISTING ADJACENT PLASTER SURFACES TO REMAIN.

9.9 NEW ACOUSTICAL WALL TILE - PATCH EXISTING AS REQUIRED TO MATCH AND ALIGN WITH EXISTING ADJACENT SURFACES.

9.10 PATCH EXISTING CEILING WHERE REQUIRED - SAND FINISH, PAINTED TO MATCH EXISTING ADJACENT ACOUSTICAL TILES.

9.11 STAIN FINISH ON NEW INTERIOR WOOD DOOR.

9.12 PROVIDE & INSTALL NEW TOPSET RUBBER BASE.

9.13 PROVIDE & INSTALL NEW CARPET - WITH INTEGRAL PAD (FACULTY IV)

9.14 VINYL WALL COVERING/FIBERBOARD AT ADMIN. RECEPTION AREA, SEE LIMITS ON INTERIOR ELEVATIONS, SHEET A-8.1

9.15 PAINT - SEE FINISH SCHEDULE ON SHEET A - 7.1

9.16 PROVIDE BITUMINOUS PAINT OR FELT TO SEPARATE CONDUCTIVE METALS.

9.17 PATCH AND REPAIR (E) PORTLAND CEMENT PLASTER CEILING WITH LIKE MATERIALS, FINISH TO MATCH AND ALIGN WITH EXIST. ADJACENT PLASTER SURFACES TO REMAIN

9.18 CLEAN (E) BRICK & JOINTS W/ MURATIC ACID & APPLY CLEAR SEAL COAT.

9.19 NEW INFILL WALL, EXTERIOR CEMENT PLASTER ON PAPER BACKED METAL LATH OVER 1/2" GYPSUM SHEATHING ON 2 X 6 WOOD STUD @ 16" O.C. AT EXTERIOR SIDE & PORTLAND CEMENT PLASTER ON PAPER BACKED METAL LATH ON INTERIOR SIDE.

9.20 PATCH & REPAIR EXISTING CERAMIC TILE WAINSCOT WITH LIKE MATERIALS & PATTERN TO MATCH EXIST. ADJACENT CERAMIC TILE SURFACES TO REMAIN.

DIVISION 10. SPECIALTIES

10.1 PROVIDE ROOM IDENTIFICATION SIGNAGE, RESTROOM DOOR SIGNS, SEE DET. 8/A-8.2

10.2 NOT USED

10.3 NOT USED

10.4 NEW WALL MOUNTED FIRE EXTINGUISHER ABC TYP. INCLUDE WALL BRACKET, MOUNT +48" ABOVE FIN. FLR. TO HANDLE SEE DETAIL 6/A-9.1.

10.5 PROVIDE & INSTALL NEW FLOOR MOUNTED OVERHEAD BRACED, SOLID PLASTIC TOILET PARTITION. COLOR AS SELECTED BY ARCHITECT.

10.6 PROVIDE & INSTALL NEW MARKERBOARD, SEE DET. 8/ A-9.1

10.7 PROVIDE & INSTALL NEW 36" LONG GRAB BAR WITH WALL MOUNTING BRACKETS AND BACKING PLATES. SEE DETAIL 9/A-9.1.

10.8 PROVIDE & INSTALL NEW 48" LONG GRAB BAR WITH WALL MOUNTING BRACKETS AND BACKING PLATES. SEE DETAIL 9/A-9.1.

10.9 PROVIDE & INSTALL NEW MIRROR, WITH STAINLESS STEEL FRAME.

10.10 PROVIDE & INSTALL NEW POWDER SOAP DISPENSER.

10.11 PROVIDE & INSTALL NEW SURFACE MOUNTED PAPER TOWEL DISPENSER.

10.12 PROVIDE & INSTALL NEW MULTI-ROLL TOILET TISSUE DISPENSER.

10.13 PROVIDE & INSTALL NEW SIGN READING: "FIRE EXTINGUISHER INSIDE". MATCH EXISTING SIGNS ON CAMPUS.

10.14 PROVIDE & INSTALL NEW TACKBOARD, SEE DETAIL 7/A-9.1.

10.15 PROVIDE & INSTALL SIGN READING: "NON ACCESSIBLE EXIT". SEE DETAIL 6/A-9.1 POSTION DURING BUSINESS / SCHOOL HOURS OR DURING ANY PUBLIC FUNCTIONS"

10.16 PROVIDE & INSTALL COMBINATION PAPER TOWEL DISPENSER & WASTE RECEPTACLE.

10.17 PROVIDE & INSTALL SIGN STATING: "GATE TO REMAIN LOCKED IN THE OPEN POSITION DURING BUSINESS / SCHOOL HOURS OR DURING ANY PUBLIC FUNCTIONS" WORDING SHALL BE IN WORDING SHALL BE IN ONE INCH HIGH CAPITAL LETTERS.

DIVISION 15. MECHANICAL

15.1 PROVIDE & INSTALL NEW MECHANICAL EXHAUST, REFER TO MECH. PLANS.

15.2 PROVIDE & INSTALL NEW LAVATORY, REFER TO MECH. PLANS.

15.3 PROVIDE & INSTALL NEW WATERCLOSET, REFER TO MECH. PLANS

15.4 PROVIDE & INSTALL NEW URINAL, REFER TO MECH. PLANS.

15.5 FURNISH & INSTALL NEW SINK IN CLASSROOMS.

15.6 PROVIDE & INSTALL NEW BUBLER AT EXISTING SINK, ALSO REFER TO MECH. PLANS.

15.7 PROVIDE & INSTALL NEW DRINKING FOUNTAIN, ALSO REFER TO MECHANICAL PLANS.

DIVISION 16. ELECTRICAL

16.1 PROVIDE & INSTALL NEW CEILING MOUNTED LIGHT FIXTURE, ALSO REFER TO ELECTRICAL LIGHTING PLANS..

3.4 SHEET A-2.2 - ADD-NO.1

10. Construction Keynote 2.3, CHANGE to read as follows:
"2.3 Not used."

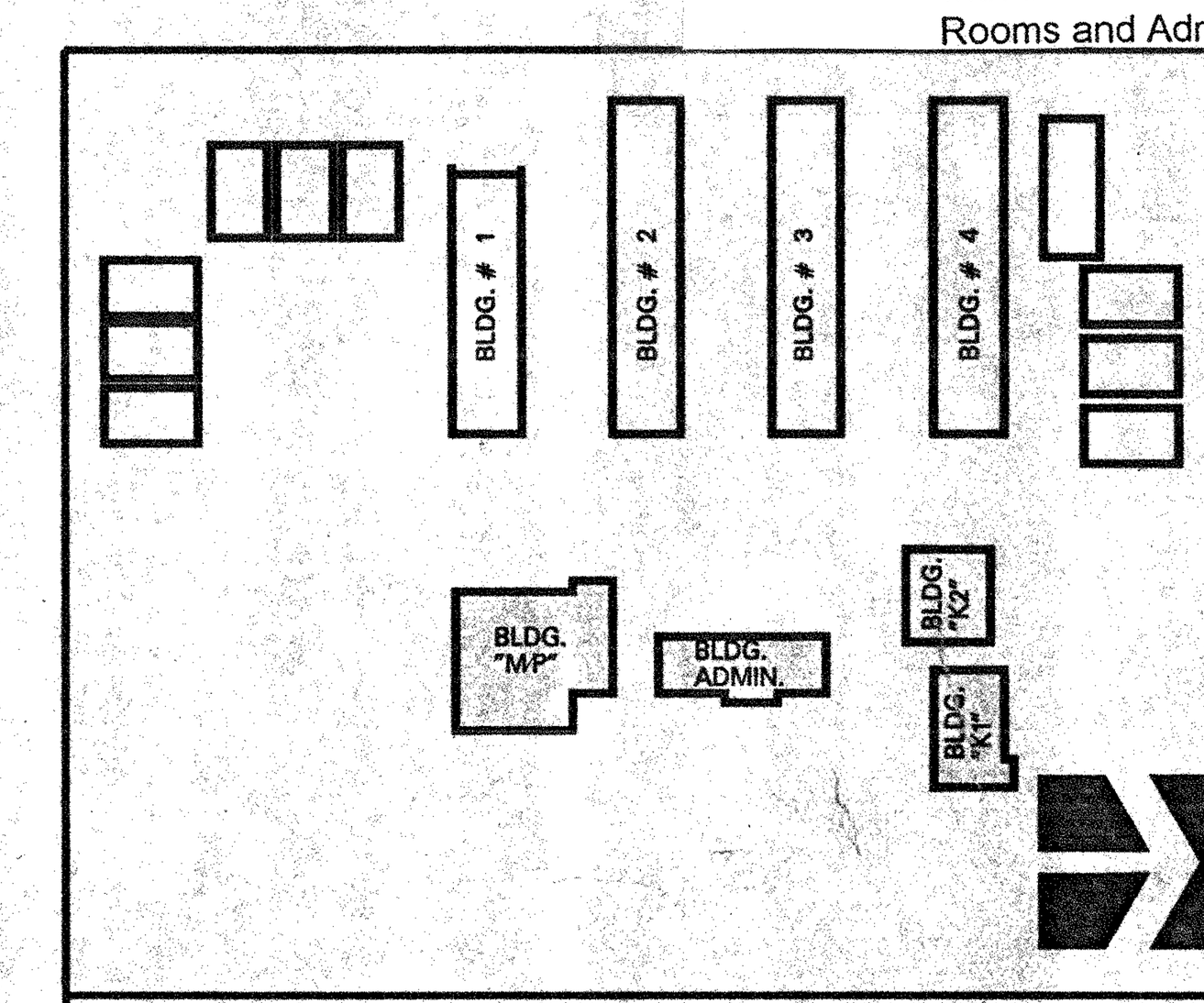
11. Construction Keynote 3.1, CHANGE to read as follows:
"3.1 New concrete threshold. See 6/A-7.2."

12. Construction Keynote 6.9, CHANGE to read as follows:
"6.9 Provide new plastic laminate Library bookcases."

13. Construction Keynote 6.11, CHANGE to read as follows:
"6.11 Provide new plastic laminate mail slots."

3.2 SHEET D-2.2 - SHEET A-2.2 - ADD-NO.1

2. ADDENDUM DRAWINGS AD1-2, AD1-3, and AD1-4 are issued with this Addendum #1 to show revised work at all Kindergarten Rooms and Administration Bldg.



KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 05 2000

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL	
1/5/00	DSA BACK CHECK SUBMITTAL	

FILE: f:\westminster_esd\8189\8189a202.dgn
DATE: 29-DEC-1999 TIME: 07:42

LICENSED ARCHITECT — JAY R. TITTLE — NO. 12955 — REN. 11-30-01 — STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

FLOOR PLANS - MP, ADMIN. & KINDERGARTEN BLDGS

DATE 1/5/00
JOB NO. 19980189
DRAWN JH/MK/CR
CHECKED

SHEET OF

A2.2

DATE: 29-DEC-1999 TIME: 07:42
FILE: f:\westminster_esd\8189\8189a202.dgn

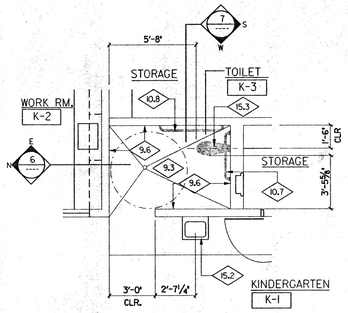
3.4 SHEET A-3.1 - ADD. NO. 3

9. DELETE Note 1 at elevation 1.

10. Contractor shall provide and install the following accessories at each Toilet Room being upgraded:

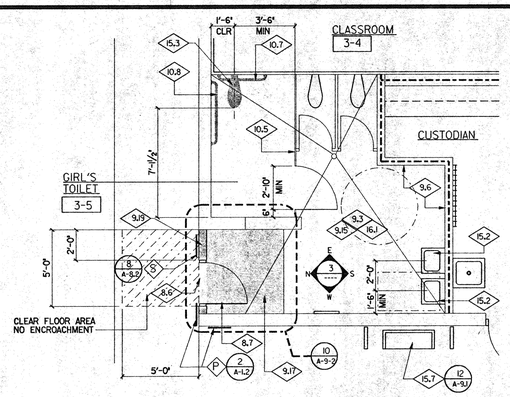
a) One (1) set of grab bars at each accessible toilet.
b) One (1) toilet paper dispenser at each toilet.
c) One (1) mirror at each lavatory.
d) One (1) soap dispenser at each Toilet Room with only one (1) lavatory.
e) Two (2) soap dispensers at each Toilet Room with two (2)or more lavatories.
f) One (1) paper towel dispenser at each Toilet Room with only one (1) lavatory.
g) Two (2) paper towel dispensers at each Toilet Room with two (2) or more lavatories.

ADD. NO. 3



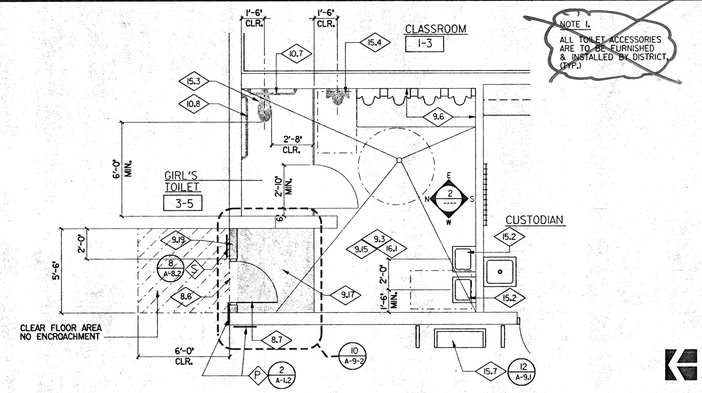
NOTE:
SEE NOTE *1 ON DET. 1 THIS SHT.

ENLARGED TOILET PLAN – BLDG. "K" | SCALE ¼" = 1'-0" | 5

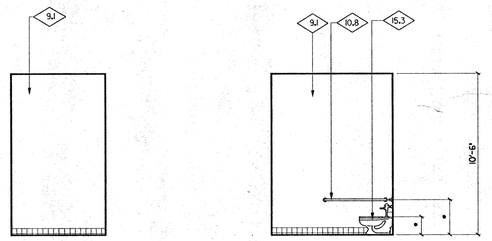


NOTE:
SEE NOTE *1 ON DET. 1 THIS SHT.

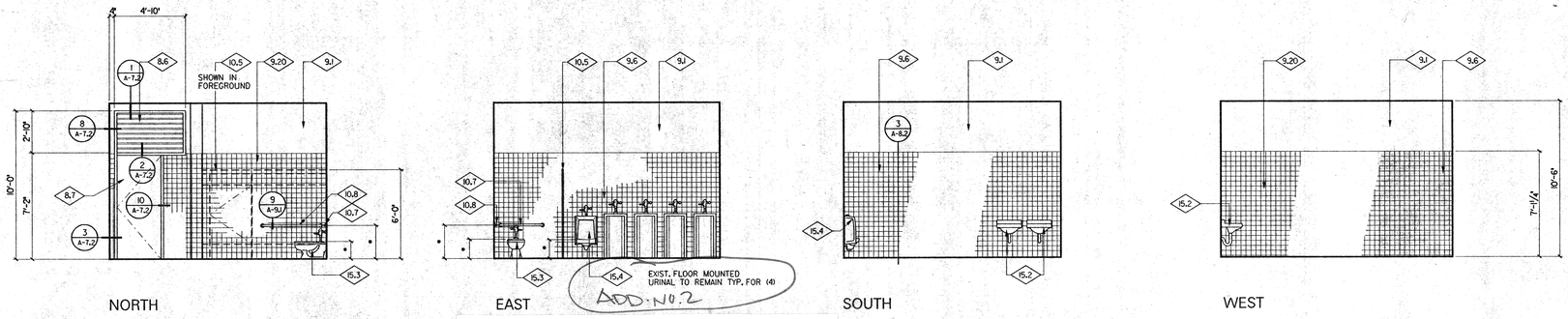
ENLARGED TOILET PLAN – BLDG No. 3 | SCALE ¼" = 1'-0" | 4



ENLARGED TOILET PLAN – BLDG. No. 1 | SCALE ¼" = 1'-0" | 1



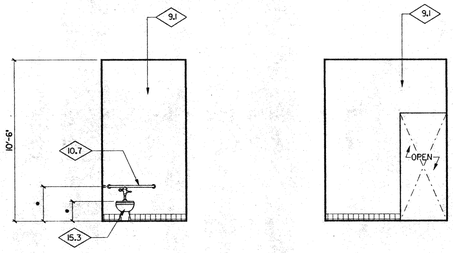
INTERIOR ELEVATIONS – BLDG. "K" | SCALE ¼" = 1'-0" | 6



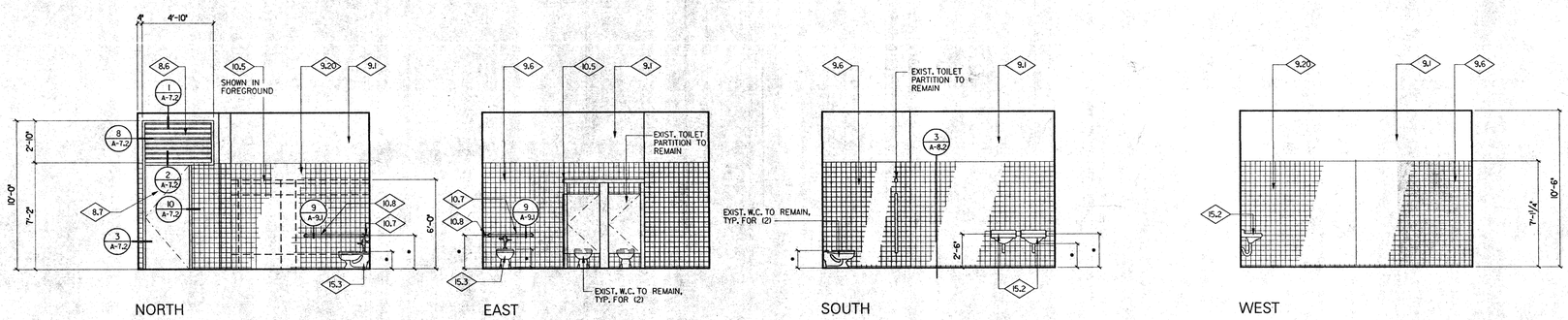
INTERIOR ELEVATIONS – BLDG. No. 1 | SCALE ¼" = 1'-0" | 2

3.4 SHEET A-2.1 -
SHEET A-3.1 -

4. On Sheet A-2.1 – Room I-4 and on Sheet A-3.1 – Room I-4, Construction Keynote 15.4 applies for ALL urinals. All new urinals shall be wall-hung.

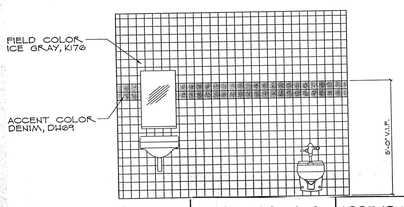


INTERIOR ELEVATIONS – BLDG. "K" | SCALE ¼" = 1'-0" | 7



INTERIOR ELEVATIONS – BLDG. No. 3 | SCALE ¼" = 1'-0" | 3

NOTES:
1) AT ROOMS WITH CEILINGS OVER 8'-0" HIGH, WALL TILE SHALL GO TO 7'-0" HIGH. REFER TO INTERIOR ELEVATIONS IN CONTRACT DOCUMENTS.
2) THIS DRAWING IS FOR TILE PATTERN ONLY. REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR FIXTURE LOCATIONS AND HEIGHTS.
3) ALL TILE SHALL BE DALTILE.
4) WALL TILE SHALL BE SEMI-GLOSS GLAZED AND FLOOR TILE SHALL BE MOSAICS UNGLAZED.



FLOOR - TILE COLOR
PUMICE, D336 (KEYSTONES)
GROUT COLORS
WALLS - EXECUTIVE GRAY, #21
FLOOR - SILVER GRAY, #115

ADD. NO. 1 ITEM NO. 3.5

SCALE: 3/8" = 1'-0"	ADDENDUM I NO. 1	DSA#: 04-101569	FILE#: 50-43
WALL TILE PATTERN			DATE: 10/11/01
NTD ARCHITECTS 2125 Financial Way, Suite 106 Glendora, CA 91741 Glendora • San Diego • Auburn	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB: 1998-0189
		AD1-5 REFERENCE	

NOTES:

◇ 6.6 SYMBOL INDICATES NEW WORK - REFERENCE SHEET A-2.2, FOR CONSTRUCTION KEY NOTE.

• INDICATES MOUNTING HEIGHT FOR PLUMBING (5 A-9.1)

FOR TOILET FIXTURE SUPPORT - SEE DETAIL (7 A-8.2)

FOR ROOM DIRECTIONAL SIGN MOUNTING -SEE DETAIL (8 A-8.2)

FOR TOILET ROOM SIGN IDENTIFICATION - SEE DETAIL (3 A-9.1)

NOTES:

1. HOT WATER & DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
2. FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GRATER THAN 5 lb/F. LEVER OPERATED, PUSH-TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
3. PATCH ALL WALLS WHERE DEMO OCCURS TO MATCH EXISTING OR ADJACENT FINISHES (TYP.)

3.5 SHEET A-3.1 -

14. All Toilet Rooms being upgraded shall receive ceramic tile on all wall surfaces to 7'-0" high in rooms with ceilings greater than 8'-0" and full height in rooms with 8'-0" or less ceilings. Remove and install all toilet fixtures to remain. ADD. NO. 1

15. **ADDENDUM DRAWING AD1-5** is issued with this Addendum #1 to show the Toilet Room ceramic tile pattern and indicates the tile materials and colors.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 0 9 2002

DSA APPROVAL

9/10/99 DSA PLAN REVIEW SUBMITTAL
1/5/00 DSA BACK CHECK SUBMITTAL

FILE: f:\westminster..esd\9889\d889x30d.dgn
DATE: 29-DEC-1999 TIME: 07:59

LICENSED ARCHITECT * JAY C. PITTLE * No. 12655 REN. 11-30-02 * STATE OF CALIFORNIA

NTD ARCHITECTS
2125 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ENLARGED TOILET PLANS AND INTERIOR ELEVATIONS

DATE 1/5/00
JOB NO. 19980189
DRAWN C. REYES
CHECKED

SHEET OF
A-3.1

DATE: 29-DEC-1999 TIME: 07:59
FILES: f:\westminster..esd\9889\d889x30d.dgn

FINISH SCHEDULE

TYPICAL: ① ALL FINISHES ARE EXISTING UNLESS NOTED (N) NEW
② ALL PAINT COLOR PER APP.D COLOR BOARD

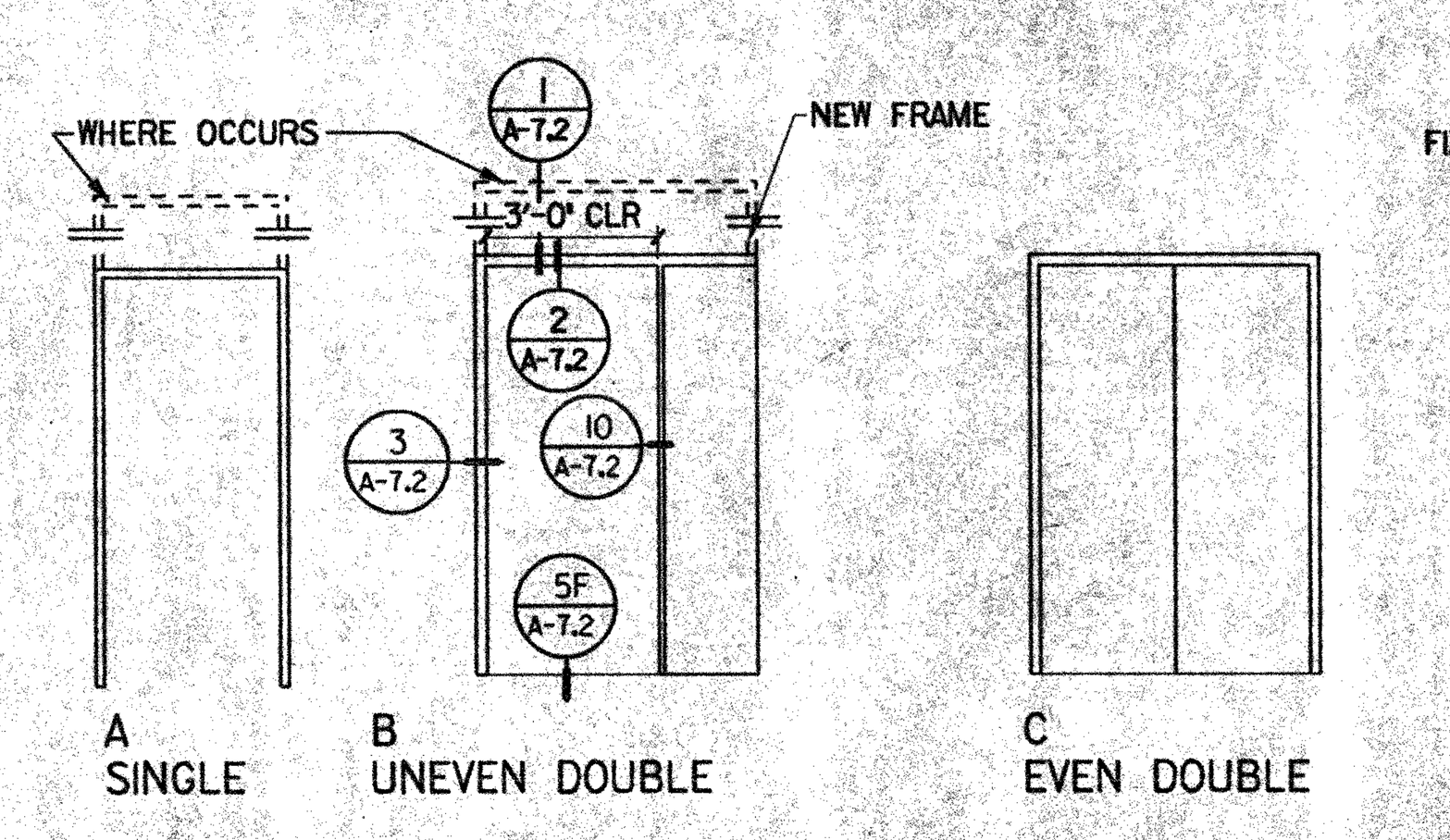
BLDG NO.	ROOM NO.	ROOM NAME	INTERIOR ELEV. REF.	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT MAT.	WAINSCOT HT.	CEILING FINISH	CEILING HT.	REMARKS
BUILDING No. 1	1-1	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
BUILDING No. 2	2-1	GIRLS TOILET	---	---	---	---	---	---	---	---	---	---	---	
	2-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-5	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
BUILDING No. 3	3-1	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-5	GIRLS TOILET		CT1	CT1	PCP/P1	PCP/P1	PCP/P1	PCP/P1	CT1	7'-2"	PCP/P1	10'-6"	
BUILDING No. 4	4-1	BOYS TOILET		---	---	---	---	---	---	---	---	---	---	
	4-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEL NOTE #9
	4-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
	4-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
	4-5	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
ADMIN. BUILDING	ADM-1	PUBLIC		VCT1	RB1	B•	---	PCP/P1	---	---	---	ACT1	10'-1"	•SEE NOTE#9
	ADM-2	CLERK		VCT1	RB1	PCP/P1	---	PCP/P1	---	---	---	ACT1	10'-1"	•SEE NOTE#9
	ADM-3	LIBRARY		CPT1	RB1	B•	B•	PCP/P1	B•	ACT2	••	ACT1	10'-2"	•SEE NOTE#9
BUILDING "K"	K-1	KINDERGARTEN		CPT1/VCT1	RB1	B•	---	B•/PCP/P1	PCP/P1	ACT2	•	ACT2	10'-6"	•SEE NOTE #9
	K-2	WORK ROOM		VCT1	RB1	PCP/P1	PCP/P1	---	---	---	---	ACT1	8'-2"	
	K-3	TOILET										ACT1	7'-3"	
"MP" BUILDING	MP-1	MULTIPURPOSE RM.		VCT1	RB1	B•	B•	PCP/P1/B•	B•	ACT2	•	ACT1	12'-11	
	MP-2	ENTRY		VCT1	RB1	PCP/P1	ACT	PCP/P1	---	---	---	ACT1	8'-6"	
	MP-3	FOYER		VCT1	RB1	B•	---	B•	PCP/P1	CT1	7'-6"	AP	9'-6"	

SIGNAGE SCHEDULE

SIGN	REF. DET. NO.	REFERENCE DRAWING NUMBER
A	12/A-1.2	A-1.1
E	9/A-1.2	
F	8/A-1.2	
G	3/A-1.2	
K	6/A-1.2	A-1.2, A-2.2
L	7/A-1.2	A-1.2, A-2.2
M	1/A-9.1	A-2.2
P	2/A-1.2	A-1.1
S	8/A-8.2	A-3.1

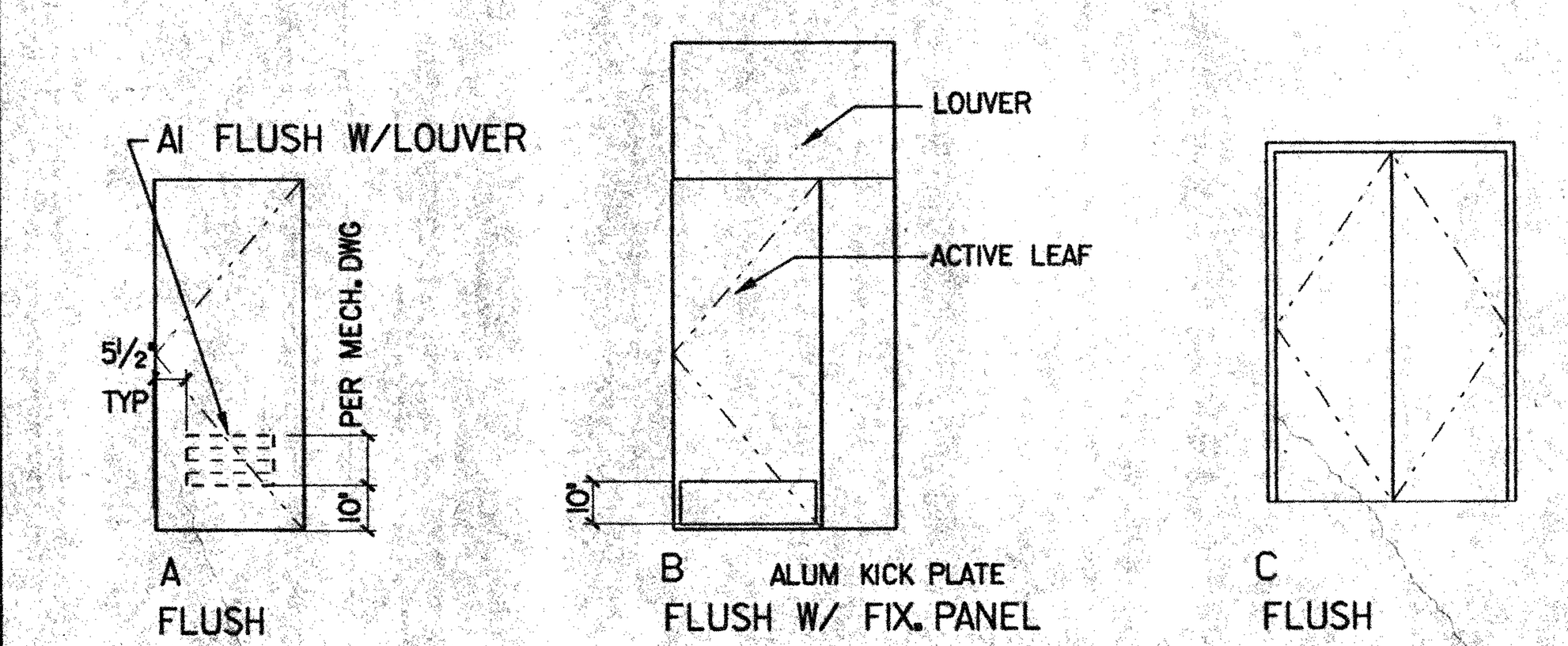
DOOR SCHEDULE

BLDG	DOOR NO.	OPENING SIZE [A]	DOOR TYPE	DOOR MATL.	DOOR CORE	DOOR FIN.	DOOR GLASS	FRAME TYPE	FRAME MATL.	FRAME FIN.	OPN'G. LABEL	HDWR. GROUP	HEAD	JAMB	SILL	DOOR SIGN	A.V.T.	PANIC HDWR	REMARKS
BUILDING No. 1	1-1	3'-0" X 7'-0"	A	WOOD	SC	P1	--	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-2	3'-0" X 7'-0"	A	WOOD	SC	P1	--	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-3	3'-0" X 7'-0"	A	WOOD	SC	P1	--	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-4	3'-0" X 7'-0"	A	WOOD	SC	P1	--	A	HM	P1	----	2	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
BUILDING No. 2	2-1	NOT USED	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	
	2-2	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-3	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-4	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-5	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
BUILDING No. 3	3-1	3'-0" X7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-2	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-3	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-4	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-5	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	2	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
BUILDING No. 4	4-1	NOT USED	----	----	---	----	----	---	----	----	----	----	(E)	(E)	(E)	----	---	---	
	4-2	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-3	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-4	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-5	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	3/A-9.1	YES	NO	
ADMIN. BLDG.	ADM-1	3'-4" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
	ADM-2	NOT USED	----	----	----	----	----	----	----	----	----	---	(E)	(E)	(E)	----	---	---	
	ADM-3	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	
MP BLDG.	MP-1A	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	3	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-1B	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	3	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-2	5'-4" X 7-'0"	C	WOOD	SC	P1	----	C	HM	P1	----	4	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-3	6'-0" X 7'-0"	C	WOOD	SC	P1	----	C	HM	P1	----	4	(E)	(E)	(E)	8/A-8.2	YES	YES	
BUILDING "K"	K-1	3'-0" X 7'-0"	A	WOOD	SC	P1	----	A	HM	P1	----	1	(E)	(E)	(E)	8/A-8.2	YES	YES	



FRAME TYPES

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



DOOR TYPES

CORE TYPES

- SC SOLID CORE
- HC HOLLOW CORE
- IC INSULATED CORE
- MC MINERAL CORE

FINISHES

- P1 SEMI-GLOSS PAINT
- ST1 SEMI-TRANSPARENT STAIN
- PF PREFINISHED
- P4 NON-BRIDGING PAINT

GLASS /INFILL PANEL TYPES

- GL4 1/4" WIRE GLASS
- GL2 1/4" CLEAR U.L. LISTED
- GL3 1/4" TEMP. CLEAR

GENERAL NOTE: SEE SPECIFICATIONS FOR NOMENCLATURE.

REMARKS KEY

[1] PROVIDE MAGNETIC STRIKE
[2] VERIFY IN FIELD DOOR OPENING SIZE
P.H. = PANIC HARDWARE
A.C.T.S. = ACCESSIBLE TOILET SIGN PER
A.V.T. = ANTI VANDAL TRIM
(N) = NEW
(E) = EXISTING TO REMAIN
(E) = EXISTING TO REMAIN

REF. NOTES

[A] ALL DOORS ARE 1-3/4" THICK UNLESS NOTED OTHERWISE.

FINISH KEY

FLOOR

- CPT1 CARPET
- CPT2 CARPET
- CT1 CERAMIC TILE
- VCT1 VINYL COMPOSITION TILE
- WD1 WOOD FLOORING
- CS2 SEALER/HARDENER ON (NEW) CONCRETE FLOOR

BASE

- RB1 RUBBER BASE
- CT1 CERAMIC TILE
- WB1 WOOD BASE
- CB CONCRETE

WALL

- PCP PORTLAND CEMENT PLASTER
- HWD HARDWD PANEL OVER STRIPPING
- CT1 CERAMIC TILE
- VF VINYL OVER TACKBOARD
- ACT ACOUSTICAL TILE OVER GYP. BD. & STRIPPING

WAINSCOT

- CT1 CERAMIC TILE
- ACT2 ACOUSTICAL TILE ON WOOD FURRING

CEILING

- ACT1 ACOUSTICAL TILE OVER GYP. BD.
- ACT2 ACOUSTICAL TILE ON WOOD FURRING
- AP ACOUSTIC PLASTER
- GB GYP. BD.
- PCP3 PORTLAND CEMENT PLASTER - SMOOTH TROWEL
- EXP EXPOSED STRUCTURE
- UNF UNFINISHED

NOTE:
ALL FINISHES SHALL COMPLY WITH C.B.C., C.F.C. AND TITLE 19 C.C.R.

GENERAL NOTE: SEE SPECIFICATIONS FOR NOMENCLATURE.

REMARKS KEY

[1] SEE ELEVATION FOR PATTERN.
[2] OMITTED NUMBERS IN FINISH KEY NOT USED.
[3] VWI OVER WOOD FIBERBOARD PANEL.
[4] VWI OVER MINERAL FIBERBOARD PANEL.
[5] CT1 O/ WATERPROOF MEMBRANE
[6] CT1 O/ MORTAR BED OVER WATERPROOF MEMBRANE.
[7] EXPOSED STRUCTURE W/ P3 FINISH.
[8] REPLACE DAMAGED OR BROKEN (E) 12 X 12 CEILING TILE WITH LIKE MATERIALS TO MATCH & ALIGN W/ EXIST. ADJACENT CEILING TILE TO REMAIN
[9] CLEAN EXISTING BRICK & GROUT JOINTS AS REQUIRED WITH MURATIC ACID & APPLY SEALER TO BRICK & GROUT JOINTS (SATIN FINISH).

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC ___ FLS ___ SS ___
DATE JAN 0 5 2000

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

LICENSED ARCHITECT ★ JAY R. TITTLE ★ NO. 12955 REN. 11-30-01 STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

FILE: f:\westminster_esd\8189\8189a701.dgn
DATE: 29-DEC-1999 TIME: 07:58

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

DOOR AND FINISH SCHEDULES

DATE 1/5/00
JOB NO. 19980189
DRAWN C. REYES
CHECKED

SHEET OF

A-7.1

DATE: 29-DEC-1999 TIME: 07:58
FILE: f:\westminster_esd\8189\8189a701.dgn

FINISH SCHEDULE

TYPICAL: ① ALL FINISHES ARE EXISTING UNLESS NOTED (N) NEW
② ALL PAINT COLOR PER APP.D COLOR BOARD

BLDG NO.	ROOM NO.	ROOM NAME	INTERIOR ELEV. REF.	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	WAINSCOT MAT.	WAINSCOT HT.	CEILING FINISH	CEILING HT.	REMARKS
BUILDING No. 1	1-1	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-0"	•SEE NOTE #9
	1-4	BOY'S TOILET		CTI	CTI	PCP/PI	PCP/PI	PCP/PI	PCP/PI	CTI	±7'-0"	PI	10'-0"	
BUILDING No. 2	2-1	GIRLS TOILET	---	---	---	---	---	---	---	---	---	---	---	
	2-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-4	COMPUTER LAB		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
	2-5	LIBRARY		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	•SEE NOTE #9
BUILDING No. 3	3-1	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	HWD	---	---	ACT2	10'-6"	
	3-5	GIRLS TOILET		CTI	CTI	PCP/PI	PCP/PI	PCP/PI	PCP/PI	CTI	±7'-0"	PCP/PI	10'-6"	
BUILDING No. 4	4-1	BOYS TOILET		---	---	---	---	---	---	---	---	---	---	
	4-2	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
	4-3	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
	4-4	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
	4-5	CLASSROOM		CPT1	RB1	B•	HWD	B•	B•	---	---	ACT2	10'-6"	•SEE NOTE #9
ADMIN. BUILDING	ADM-1	PUBLIC		CPT1	RB1	B•	---	PCP/PI	---	---	---	ACT1	10'-1"	•SEE NOTE#9
	ADM-2	CLERK		CPT1	RB1	PCP/PI	---	PCP/PI	---	---	---	ACT1	10'-1"	•SEE NOTE#9
	ADM-3	LIBRARY		CPT1	RB1	B•	B•	PCP/PI	B•	ACT2	••	ACT1	10'-2"	•SEE NOTE#9
BUILDING "K"	K-1	KINDERGARTEN		CPT1/VCT1	RB1	B•	---	B•/PCP/PI	PCP/PI	ACT2	•	ACT2	10'-6"	•SEE NOTE #9
	K-2	WORK ROOM		VCT1	RB1	PCP/PI	PCP/PI	---	---	---	---	ACT1	8'-2"	
	K-3	TOILET										ACT1	7'-3"	
"MP" BUILDING	MP-1	MULTIPURPOSE RM.		VCT1	RB1	B•	B•	PCP/PI/B•	B•	ACT2	•	ACT1	12'-11	
	MP-2	ENTRY		VCT1	RB1	PCP/PI	ACT	PCP/PI	---	---	---	ACT1	8'-6"	
	MP-3	FOYER		VCT1	RB1	B•	---	B•	PCP/PI	CTI	7'-6"	AP	9'-6"	

SIGNAGE SCHEDULE

SIGN	REF. DET. NO.	REFERENCE DRAWING NUMBER
A	12/A-1.2	A-1.1
E	9/A-1.2	
F	8/A-1.2	
G	3/A-1.2	
K	6/A-1.2	A-1.2, A-2.2
L	7/A-1.2	A-1.2, A-2.2
M	1/A-9.1	A-2.2
P	2/A-1.2	A-1.1
S	8/A-8.2	A-3.1

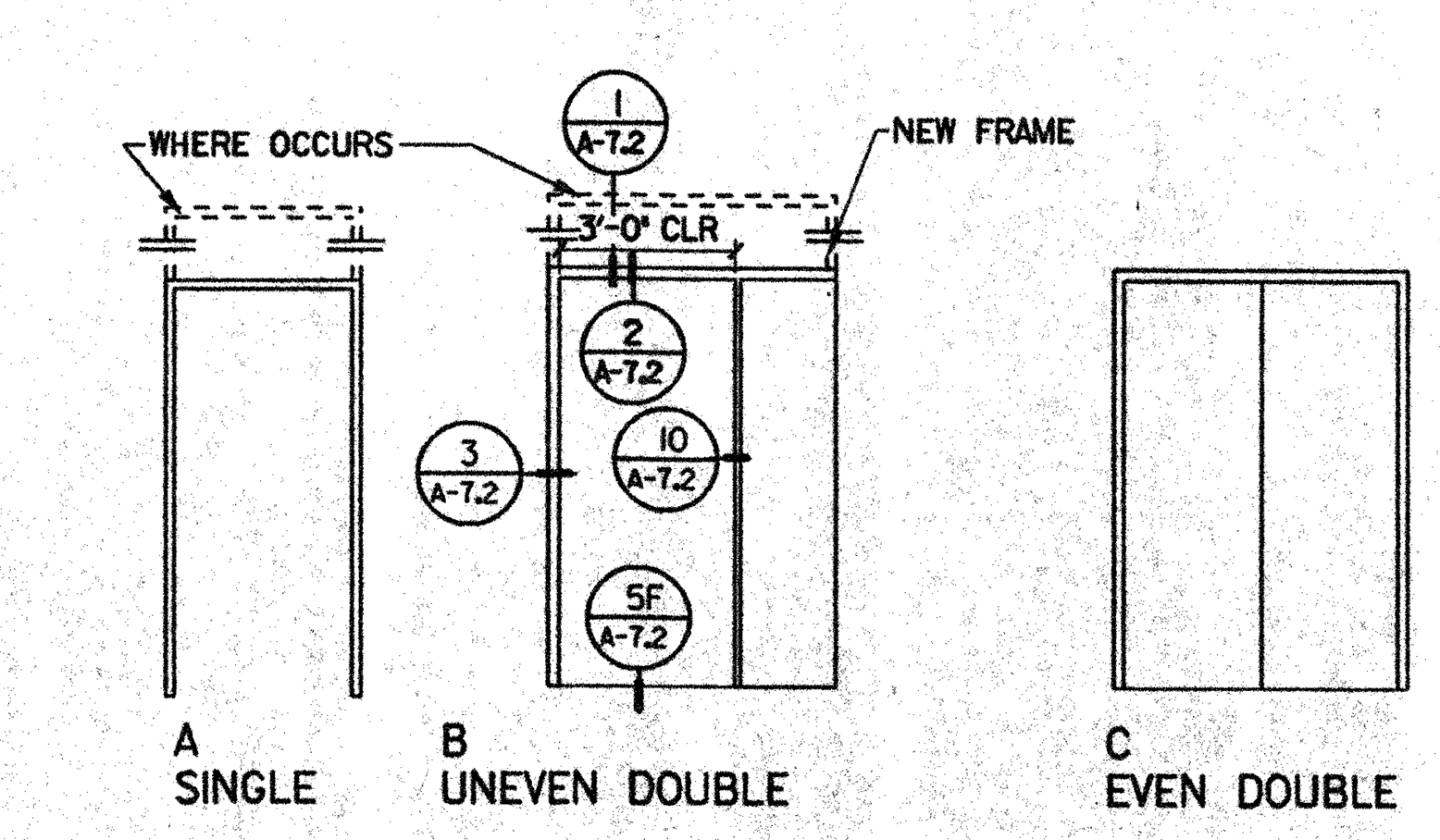
DOOR SCHEDULE

BLDG	DOOR NO.	OPENING SIZE [A]	DOOR TYPE	DOOR MATL.	DOOR CORE	DOOR FIN.	DOOR GLASS	FRAME TYPE	FRAME MATL.	FRAME FIN.	OPN'G. LABEL	HDWR. GROUP	HEAD	JAMB	SILL	DOOR SIGN	A.V.T.	PANIC HDWR	REMARKS
BUILDING No. 1	1-1	3'-0" X 7'-0"	A	WOOD	SC	PI	--	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-2	3'-0" X 7'-0"	A	WOOD	SC	PI	--	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-3	3'-0" X 7'-0"	A	WOOD	SC	PI	--	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	1-4	3'-0" X 7'-0"	A	WOOD	SC	PI	--	A	HM	PI	----	2C	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
	1-5	3'-0" x 7'-0"	A	WOOD(N)	SC	PI	--	A	HM	PI	----	5A	(E)	(E)	(E)	(E)	–	–	
	1-6	3'-0" x 7'-0"	A	WOOD(N)	SC	PI	--	A	HM	PI	----	5A	(E)	(E)	(E)	(E)	–	–	
BUILDING No. 2	2-1	NOT USED	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	
	2-2	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-3	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-4	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	2-5	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
	2-6	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	1B	(E)	(E)	(E)	(E)	–	–	
	2-7	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	–	(E)	(E)	(E)	(E)	–	–	BOLT DOOR TO FRAME
	2-8	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM (N)	PI	----	19	13/A-7.2 SIM.	13/A-7.2	–	–	–	–	
BUILDING No. 3	3-1	3'-0" X7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-2	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-3	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-4	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	3-5	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	2C	2/A-7.2	3,4/A-7.2	11/A-7.2	3/A-9.1	YES	NO	
	3-6	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	5A	(E)	(E)	(E)	(E)	–	–	
	3-7	3'-0" x 7'-0"	A	WOOD(N)	SC	PI	----	A	HM	PI	----	5A	(E)	(E)	(E)	(E)	–	–	
BUILDING No. 4	4-1	NOT USED	----	----	---	----	----	---	----	----	----	----	(E)	(E)	(E)	----	---	---	
	4-2	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-3	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-4	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	4-5	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	3/A-9.1	YES	NO	
	4-6	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	5A	(E)	(E)	(E)	(E)	–	–	
	4-7	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	–	(E)	(E)	(E)	(E)	–	–	BOLT DOOR TO FRAME
ADMIN. BLDG.	ADM-1	3'-4" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1B	(E)	(E)	(E)	8/A-8.2	YES	YES	
	ADM-2	NOT USED	----	----	----	----	----	----	----	----	----	---	(E)	(E)	(E)	----	---	---	
	ADM-3	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	ADM-4	3'-0" x 7'-0"	A	WOOD (N)	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	(E)	–	–	
MP BLDG.	MP-1A	3'-0" X 7'-0"	A	WOOD(N)	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-1B	3'-0" X 7'-0"	A	WOOD(N)	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-2	5'-4" X 7'-0"	C	WOOD	SC	PI	----	C	HM	PI	----	4B	(E)	(E)	(E)	8/A-8.2	YES	YES	
	MP-3	6'-0" X 7'-0"	C	WOOD	SC	PI	----	C	HM	PI	----	3A	(E)	(E)	(E)	8/A-8.2	YES	YES	
BUILDING "K"	K-1	3'-0" X 7'-0"	A	WOOD	SC	PI	----	A	HM	PI	----	1C	(E)	(E)	(E)	8/A-8.2	YES	YES	

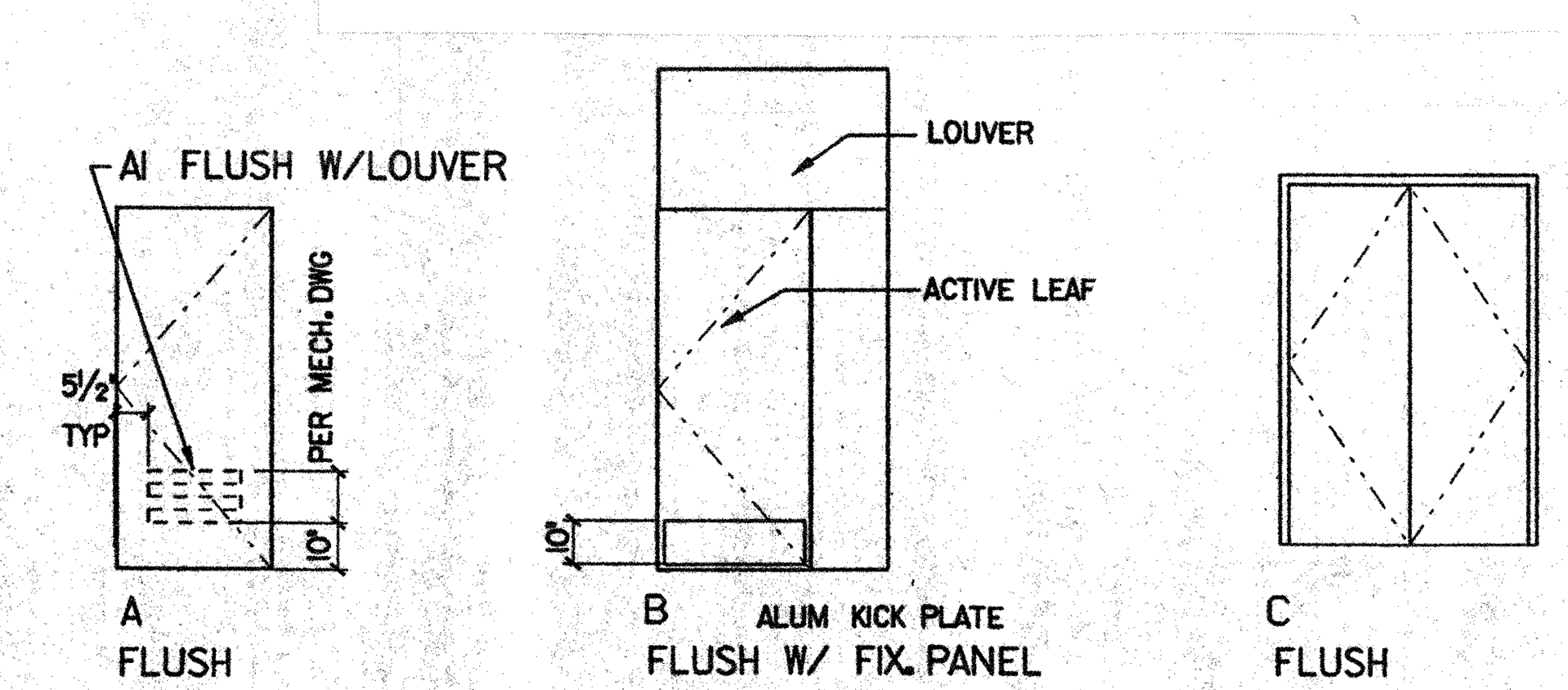
3.5 SHEET A-7.1 -

11. **ADDENDUM DRAWING AD3-1** is issued with this Addendum #3 to REPLACE Sheet A-7.1 in its entirety.

12. At the end of the General Notes, ADD Note to read as follows:
"Revarnish ALL existing varnished surfaces, including doors."



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



DOOR TYPES

CORE TYPES

SC SOLID CORE
HC HOLLOW CORE
IC INSULATED CORE
MC MINERAL CORE

FINISHES

PI SEMI-GLOSS PAINT
STI SEMI-TRANSPARENT STAIN
PF PREFINISHED
P4 NON-BRIDGING PAINT

GLASS /INFILL PANEL TYPES

GL4 1/4" WIRE GLASS
GL2 1/4" CLEAR U.L. LISTED
GL3 1/4" TEMP. CLEAR

GENERAL NOTE: SEE SPECIFICATIONS FOR NOMENCLATURE.

REMARKS KEY

[1] PROVIDE MAGNETIC STRIKE
[2] VERIFY IN FIELD DOOR OPENING SIZE
P.H. = PANIC HARDWARE
A.C.T.S. = ACCESSIBLE TOILET SIGN PER
A.V.T. = ANTI VANDAL TRIM
(N) = NEW
(E) = EXISTING TO REMAIN
(E) = EXISTING TO REMAIN

REF. NOTES

[A] ALL DOORS ARE 1-3/4" THICK UNLESS NOTED OTHERWISE.

FINISH KEY

FLOOR
CPT1 CARPET
CPT2 CARPET
CTI CERAMIC TILE
VCT1 VINYL COMPOSITION TILE
WD1 WOOD FLOORING
CS2 SEALER/HARDENER ON (NEW) CONCRETE FLOOR

BASE
RB1 RUBBER BASE
CTI CERAMIC TILE
WB1 WOOD BASE
CB CONCRETE

WALL
PCP PORTLAND CEMENT PLASTER
HWD HARDWD PANEL OVER STRIPPING
CTI CERAMIC TILE
VF VINYL OVER TACKBOARD
ACT ACOUSTICAL TILE OVER GYP. BD. & STRIPPING

WAINSCOT
CTI CERAMIC TILE
ACT2 ACOUSTICAL TILE ON WOOD FURRING

CEILING
ACT1 ACOUSTICAL TILE OVER GYP. BD.
ACT2 ACOUSTICAL TILE ON WOOD FURRING
AP ACOUSTIC PLASTER
GB GYP. BD.
PCP3 PORTLAND CEMENT PLASTER - SMOOTH TROWEL
EXP EXPOSED STRUCTURE
UNF UNFINISHED

NOTE:
ALL FINISHES SHALL COMPLY WITH C.B.C., C.F.C. AND TITLE 19 C.C.R.

GENERAL NOTE: SEE SPECIFICATIONS FOR NOMENCLATURE.

REMARKS KEY

[1] SEE ELEVATION FOR PATTERN.
[2] OMITTED NUMBERS IN FINISH KEY NOT USED.
[3] VWI OVER WOOD FIBERBOARD PANEL.
[4] VWI OVER MINERAL FIBERBOARD PANEL.
[5] CTI O/ WATERPROOF MEMBRANE
[6] CTI O/ MORTAR BED OVER WATERPROOF MEMBRANE.
[7] EXPOSED STRUCTURE W/ P3 FINISH.
[8] REPLACE DAMAGED OR BROKEN (E) 12 X 12 CEILING TILE WITH LIKE MATERIALS TO MATCH & ALIGN W/ EXIST. ADJACENT CEILING TILE TO REMAIN
[9] CLEAN EXISTING BRICK & GROUT JOINTS AS REQUIRED WITH MURATIC ACID & APPLY SEALER TO BRICK & GROUT JOINTS (SATIN FINISH).

LICENSED ARCHITECT JAY R. TITTLE NO. 12955 REN. 11-30-01 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 05 2000

DSA APPROVAL

9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL
11/1/01	ADDENDUM #3 ISSUED

FILE: f:\westminster_esd\8189\8189a701.dgn DATE: 29-DEC-1999 TIME: 07:58

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

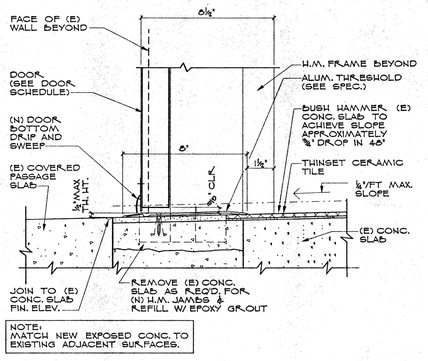
DOOR AND FINISH SCHEDULES

DATE 1/5/00
JOB NO. 19980189
DRAWN C. REYES
CHECKED

SHEET OF
AD3-1
(A-7.1)

DATE: 29-DEC-1999 TIME: 07:58
FILE: f:\westminster_esd\8189\8189a701.dgn

8189-8.17



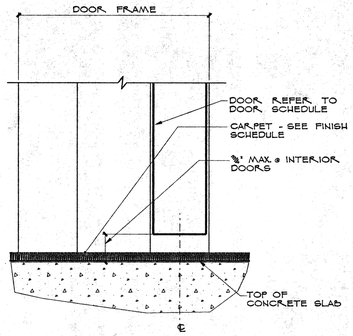
NOTE:
MATCH NEW EXPOSED CONC. TO EXISTING ADJACENT SURFACES.

(N) THRESHOLD @ TOILET DOOR

3" = 1'-0"

14

8189-8.18

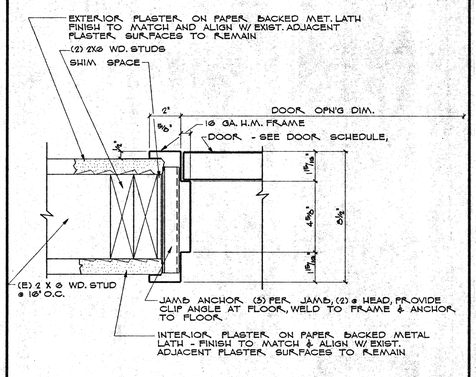


THRESHOLD (CARPET - VINYL)

HALF SCALE

11

8189-8.6

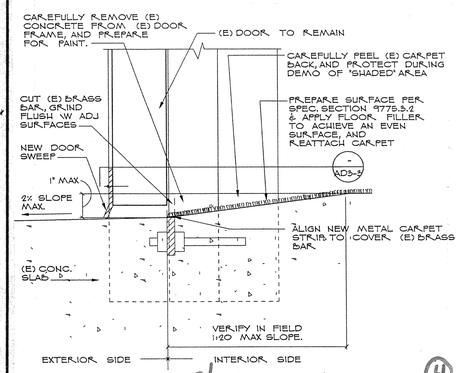


EXTERIOR JAMB DETAIL

3" = 1'-0"

7

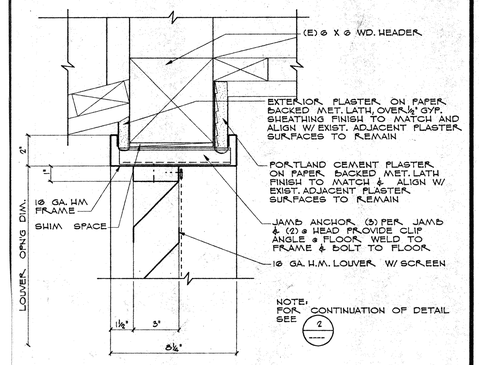
7721-8.3



ADD NO.3/ITEM NO.3.6

4

8189-8.1



NOTE:
FOR CONTINUATION OF DETAIL SEE 2

LOUVER HEAD DETAIL

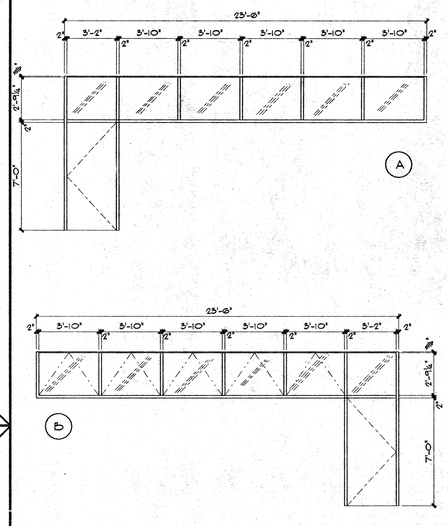
3" = 1'-0"

1

NOT USED

15

8189-8.16



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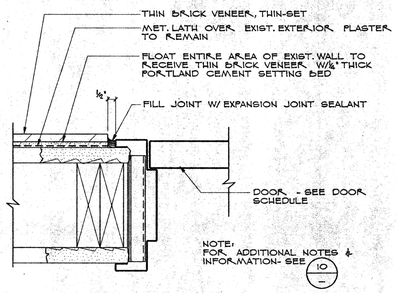


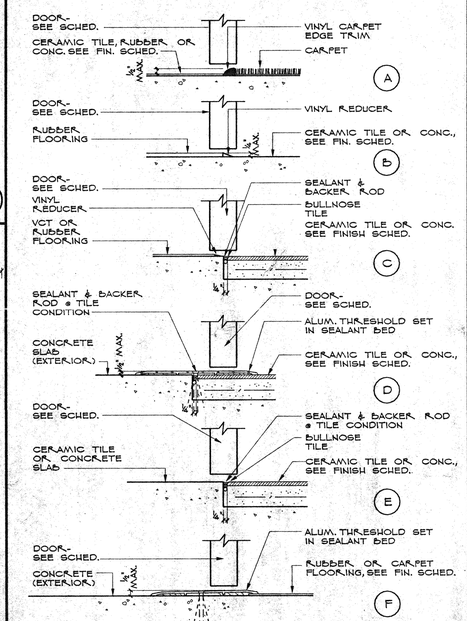
NOTE:
FOR ADDITIONAL NOTES & INFORMATION - SEE 10

EXTERIOR JAMB DETAIL

3" = 1'-0"

8

8189-8.5

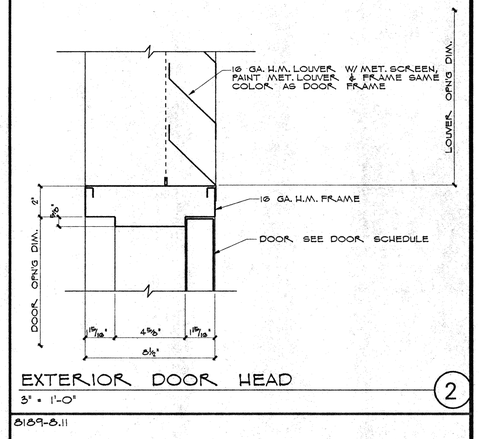


THRESHOLDS

3" = 1'-0"

5

8189-8.2



EXTERIOR DOOR HEAD

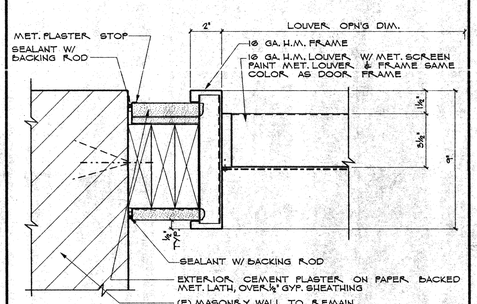
3" = 1'-0"

2

NOT USED

16

8189-8.15



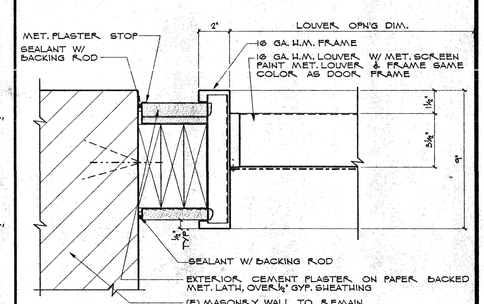
NOTE:
FOR ADDITIONAL NOTES & INFORMATION - SEE 3

EXTERIOR JAMB DET.

3" = 1'-0"

9

8189-8.11



NOTE:
FOR ADDITIONAL NOTES & INFORMATION - SEE 11 3

EXTERIOR JAMB DET.

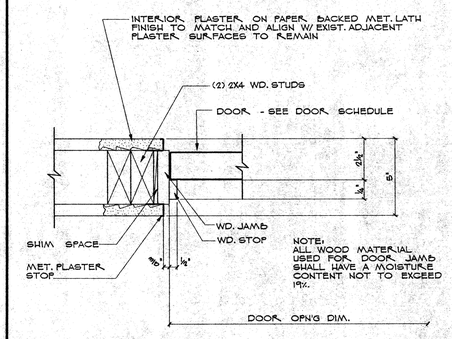
3" = 1'-0"

3

NOT USED

17

8189-8.3

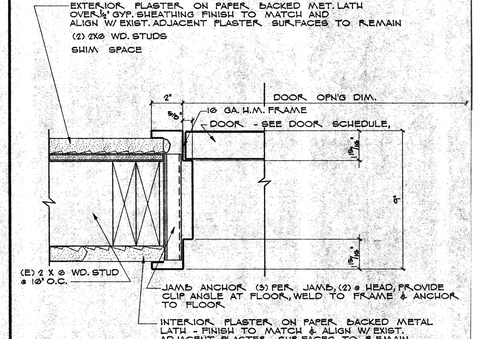


INT. JAMB DET.

3" = 1'-0"

13

8188-8.13

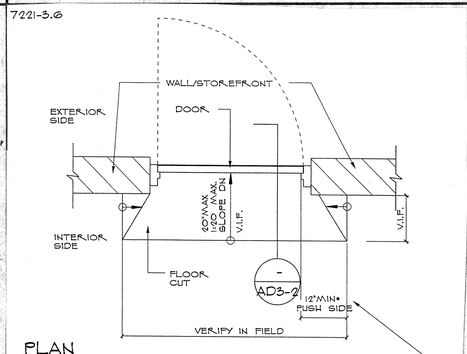


EXTERIOR JAMB DETAIL

3" = 1'-0"

10

7221-8.6



PLAN

* OR NO MINIMUM CLEARANCE NEEDED IF DOOR HAS NO CLOSER, OR NO LATCHING HARDWARE, OR HAS PANIC HARDWARE

ADD. NO.3/ITEM NO. 3.6

3.6 SHEET A-7.2 - ADD. NO.3

13. **ADDENDUM DRAWING AD3-2** is issued with this Addendum #3 to REPLACE Detail 4/A-7.2 in its entirety.

14. **ADDENDUM DRAWING AD3-3** is issued with this Addendum #3 to REPLACE Detail 6/A-7.2 in its entirety.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 0 5 2000

DSA APPROVAL

9/10/99 DSA PLAN REVIEW SUBMITTAL
1/5/00 DSA BACK CHECK SUBMITTAL

FILE: f:\west\minster - asd\8801\8189d702.dgn
DATE: 29-DEC-1999
TIME: 07:44

LICENSED ARCHITECT R. TITTLE No. 12985 REN. 11-30-01 STATE OF CALIFORNIA

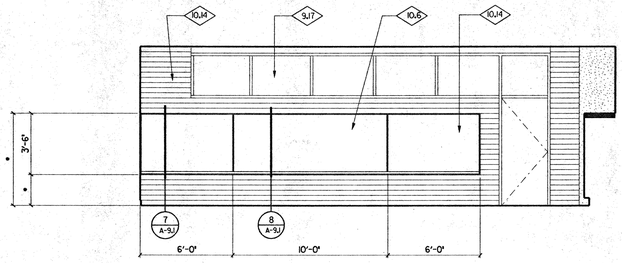
NTD
ARCHITECTS
2125 Financial View, Suite 100, Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
DOOR DETAILS

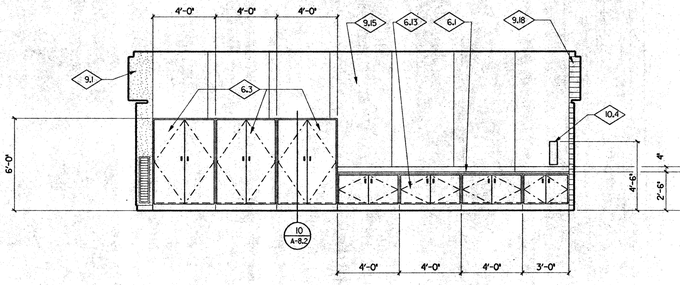
DATE 1/5/00
JOB NO. 19980189
DRAWN C. REYES
CHECKED

SHEET OF
A-7.2

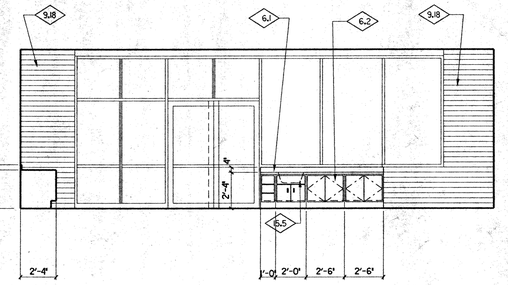
DATE: 29-DEC-1999 TIME: 07:44
FILE: f:\west\minster - asd\8189\8189d702.dgn



SOUTH



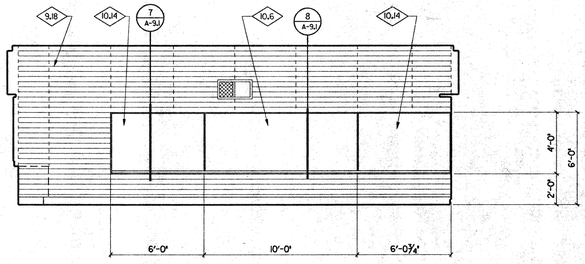
WEST



NORTH

TYPICAL CLASSROOM INTERIOR ELEVATION @ BLDG # 1, 2, 3, 4

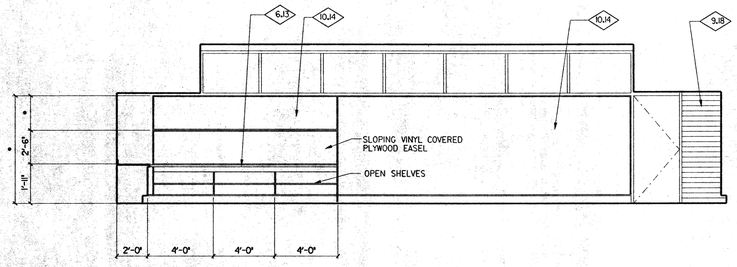
SCALE: 1/4"=1'-0" (1)



EAST

TYPICAL CLASSROOM INTERIOR ELEVATION @ BLDG # 1, 2, 3, 4

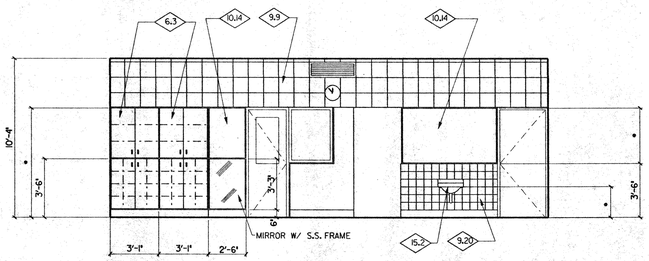
SCALE: 1/4"=1'-0" (2)



SOUTH

TYPICAL INTERIOR ELEVATION @ BLDG "K" ROOM K-1

SCALE: 1/4"=1'-0" (3)



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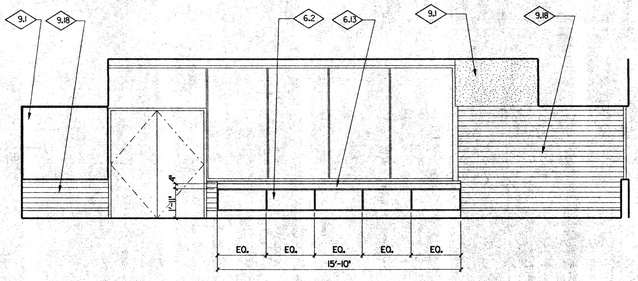
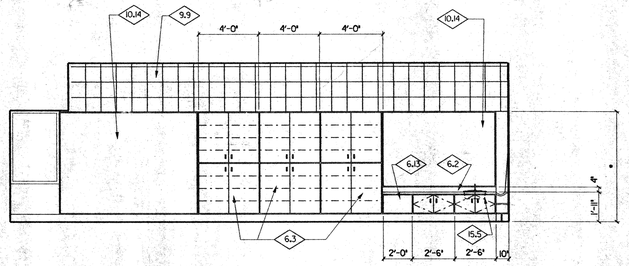


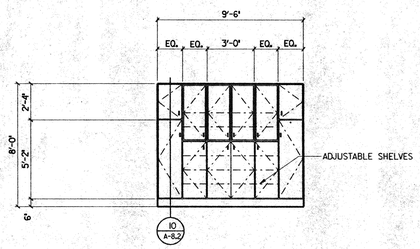
NORTH



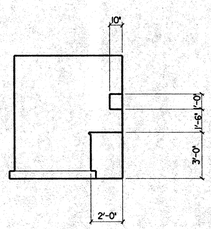
EAST

TYPICAL INTERIOR ELEVATIONS @ BLDG "K" WORK ROOM K-1

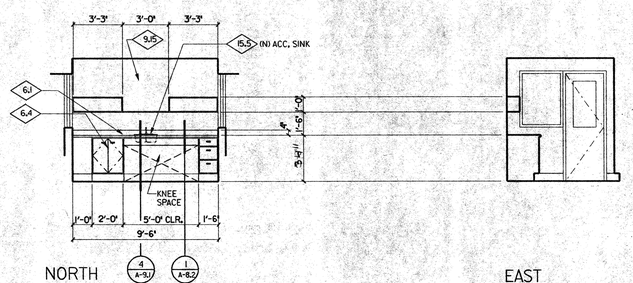
SCALE: 1/4" = 1'-0" (4)



SOUTH



WEST



NORTH EAST

TYPICAL INTERIOR ELEVATIONS @ BLDG "K" WORK ROOM K-2

SCALE: 1/4" = 1'-0" (5)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC FLS SS
DATE JAN 05 2000

DSA APPROVAL

9/10/99 DSA PLAN REVIEW SUBMITTAL
1/5/00 DSA BACK CHECK SUBMITTAL

FILE: I:\westminster_dsa\9889\9889d00.dgn
DATE: 29-DEC-1999
TIME: 07:57

LICENSED ARCHITECT
R. TITTLE
NO. 12925
REN. 11-30-00
STATE OF CALIFORNIA

NTD ARCHITECTS
2125 Financial Way, Suite 109, Glendora, CA 91741
Glendora • San Diego • Auburn

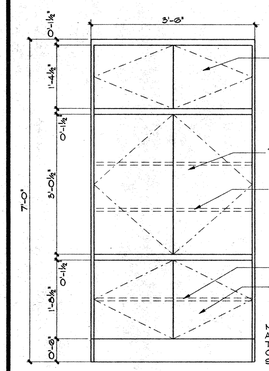
ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
INTERIOR ELEVATIONS

DATE 1/5/00
JOB NO. 19980189
DRAWN JH / CR
CHECKED

SHEET OF
A-8.1

DATE: 29-DEC-1999 TIME: 07:57
FILE: I:\westminster_dsa\9889\9889d00.dgn

8189-8.15



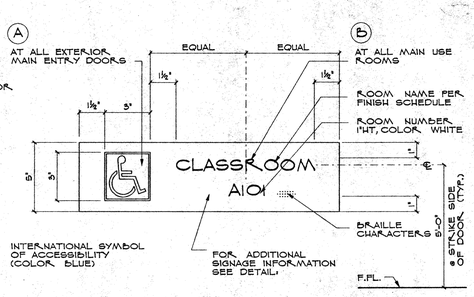
NOTE:
ALL CABINET WOOD SURFACES TO RECEIVE LAM. PLASTIC FINISH ON ALL EXPOSED & SEMI-EXPOSED SURFACES, ALSO REFER TO SPEC.

TALL STORAGE CAB. ELEV.
¾" = 1'-0" — 15

8189-10.12

NOTE: SIGN MATERIAL TO BE ⅛" THK ES PLASTIC, WITH ¼2" RAISED BORDER, GRAPHICS & LETTERS. PROV. MECHANICAL MOUNTING W/ANDAL RESISTANT FASTENERS. COMPLY WITH ARTICLE 4.30 AND 4.30 OF THE ADAS.

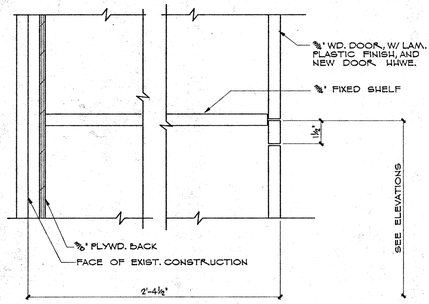
NOTE:
RAISED LETTERS, BRAILLED CHARACTERS AND PICTOGRAM SYMBOL TO BE RAISED ¼2" UPPER CASE, SANS SERIF, ⅝" MIN. TO 2" MAX. HEIGHT WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND STROKE WIDTH TO HEIGHT BETWEEN 1:5 AND 1:10. SIGN TO BE A MIN. OF 8"X 8". CHARACTERS AND SYMBOLS SHALL CONTRAST WITH A PICTOGRAM, ACCOMPANIED BY EQUIVALENT VERBAL DESCRIPTION DIRECTLY BELOW.



BRAILLE SYMBOLS. CONTRACTED GRADE 2. BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54MM) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635MM) ABOVE THE BACKGROUND

ROOM SIGN DETAIL / ELEVATION - AT STRIKE SIDE OF DOOR
½" = 1'-0" — 8

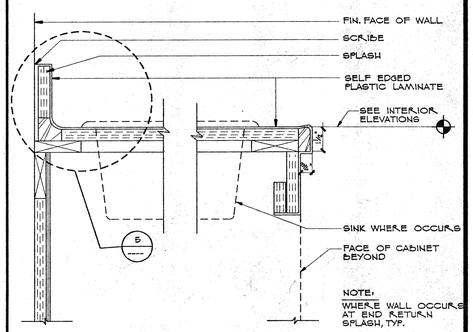
8189-8.3



NOTE:
ALL CABINET WOOD SURFACES TO RECEIVE LAM. PLASTIC FINISH ON ALL EXPOSED & SEMI-EXPOSED SURFACES. COLOR AS SELECTED BY ARCHITECT.

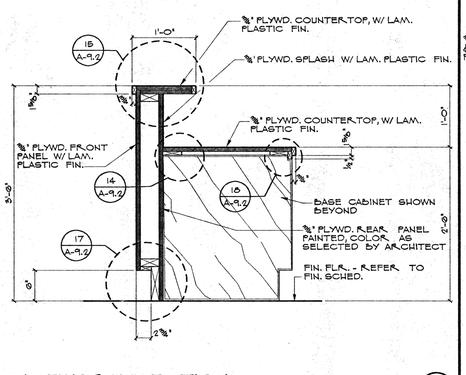
CASEWORK DET.
3" = 1'-0" — 4

8189-8.1



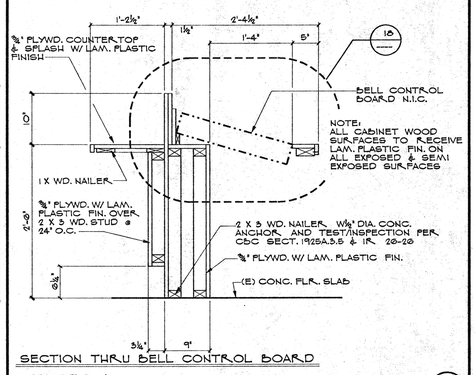
CABINET COUNTERTOP AT SINK
3" = 1'-0" — 1

8189-8.14



CASEWORK SECTION
1" = 1'-0" — 16

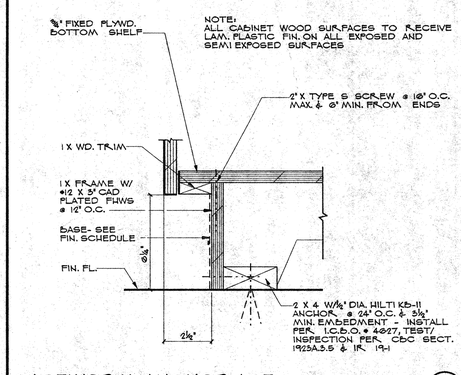
8189-8.18



SECTION THRU BELL CONTROL BOARD

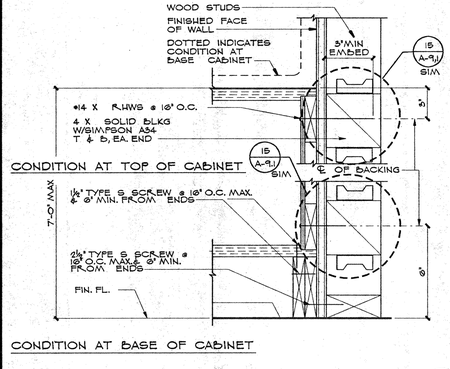
SECTION
1" = 1'-0" — 12

8189-8.16



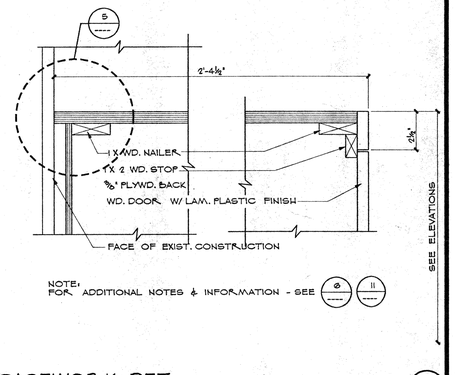
CASEWORK ANCHORAGE
3" = 1'-0" — 9

8189-8.4



CASEWORK ANCHORAGE
3" = 1'-0" — 5

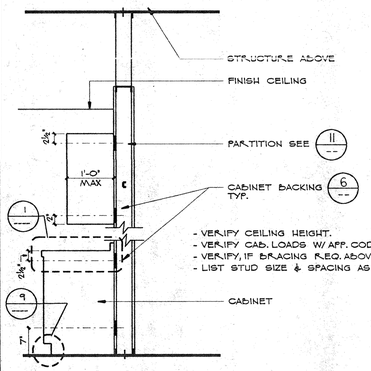
8189-8.2



NOTE:
FOR ADDITIONAL NOTES & INFORMATION - SEE ⌀ ---- II ----

CASEWORK DET.
3" = 1'-0" — 2

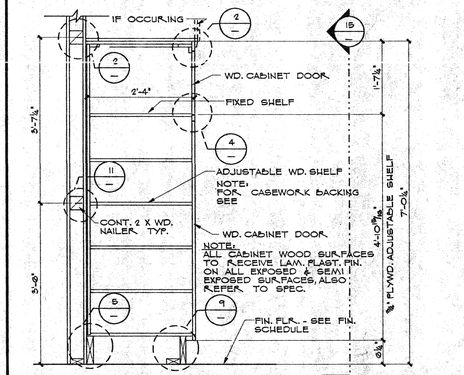
8189-9.11



CABINET ANCHORAGE
¾" = 1'-0" — 17

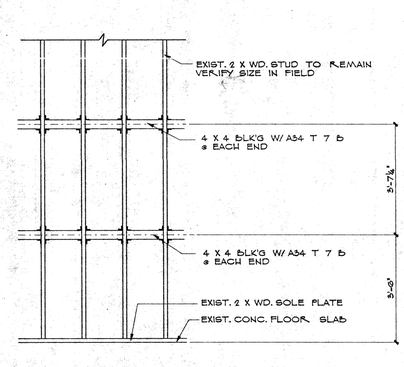
NOT USED — 13

8189-8.7



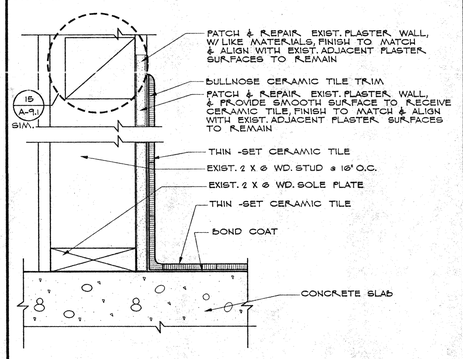
TALL STORAGE CABINET
¾" = 1'-0" — 10

8189-8.5



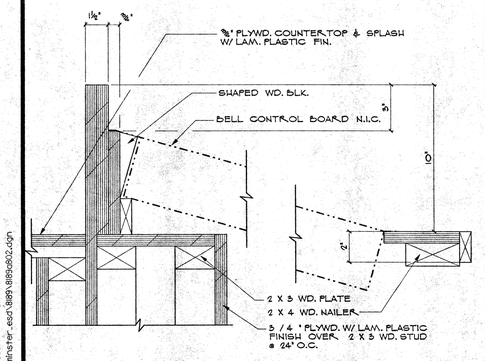
CASEWORK BACKING
½" = 1'-0" — 6

8189-9.1



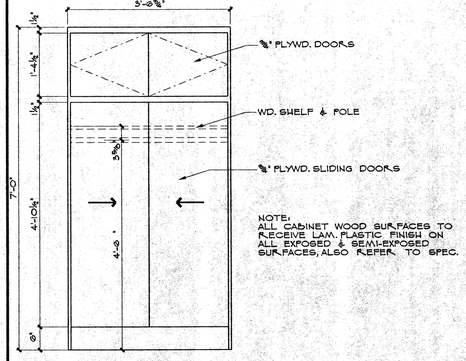
CERAMIC TILE @ WALL & FLOOR
3" = 1'-0" — 3

8189-8.17



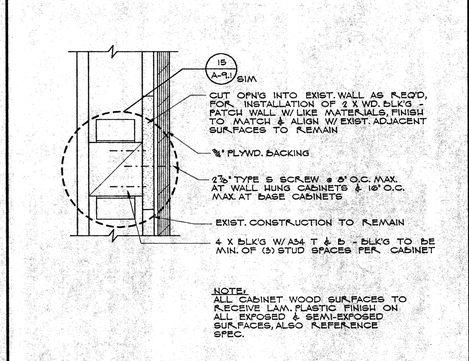
CASEWORK DETAIL
3" = 1'-0" — 18

8189-8.12



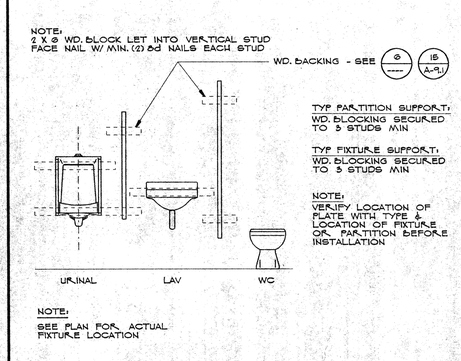
TALL STORAGE CAB. ELEV.
¾" = 1'-0" — 14

8189-8.8



CASEWORK BACKING DETAIL
3" = 1'-0" — 11

8189-9.2



NOTE:
SEE PLAN FOR ACTUAL FIXTURE LOCATION

TOILET FIXTURE SUPPORT
NO SCALE — 7

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC ___ FLS ___ SS ___
DATE JAN 05 2000

DSA APPROVAL

9/10/99 DSA PLAN REVIEW SUBMITTAL
1/5/00 DSA BACK CHECK SUBMITTAL

FILES: f:\westminster_esd\8189\8189d802.dgn
DATE: 29-DEC-1999
TIME: 07:56

LICENSED ARCHITECT — No. 12565 — REN. 11-30-2000 — STATE OF CALIFORNIA

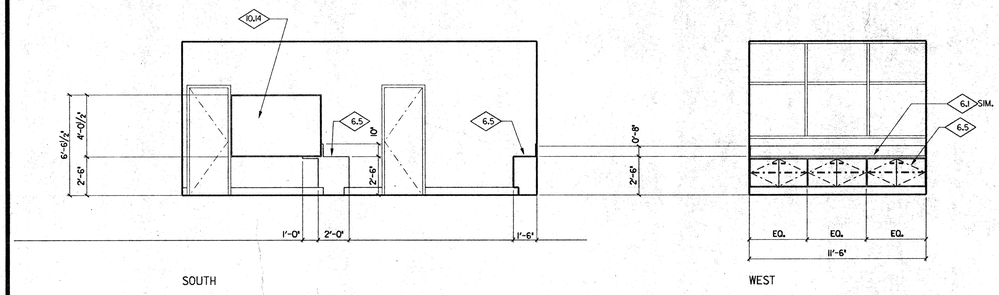
NTD ARCHITECTS
2125 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
TYPICAL INTERIOR DETAILS

DATE 1/5/00
JOB NO. 19980189
DRAWN C. REYES
CHECKED

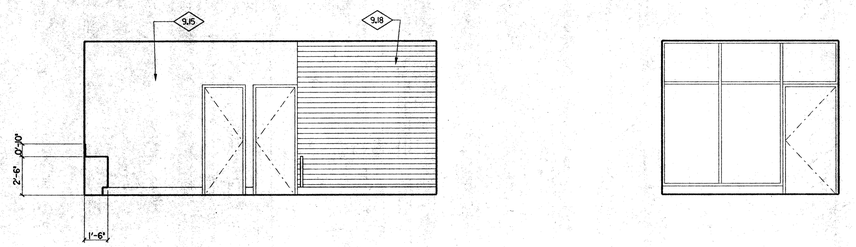
SHEET OF
A-8.2

DATE: 29-DEC-1999 TIME: 07:56
FILES: f:\westminster_esd\8189\8189d802.dgn



SOUTH

WEST

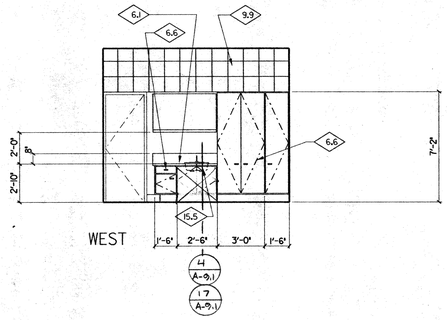


NORTH

EAST

PUBLIC "ADM-1" & CLERK "ADM-2" – INTERIOR ELEVATIONS

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



WEST

NURSE "ADM-4" – INTERIOR ELEVATIONS

SCALE: 1/4"=1'-0" (2)

NOT USED

SCALE: 1/4"=1'-0" (3)

NOT USED

SCALE 1/4" = 1'-0" (4)

NOT USED

SCALE: 1/4" = 1'-0" (5)

DSA APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 101569
AC ___ FLS ___ SS ___
DATE JAN 05 2001

9/10/98	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

FILE: N:\westminster_esd\1989\1989803.dgn
DATE: 29-DEC-1999 TIME: 07:56

LICENSED ARCHITECT
R. TITTLE
No. 15356
REN. 1-31-01
STATE OF CALIFORNIA

NTD
ARCHITECTS
2125 Financial Way, Suite 100 Glendora, CA 91741
Glendora • San Diego • Auburn

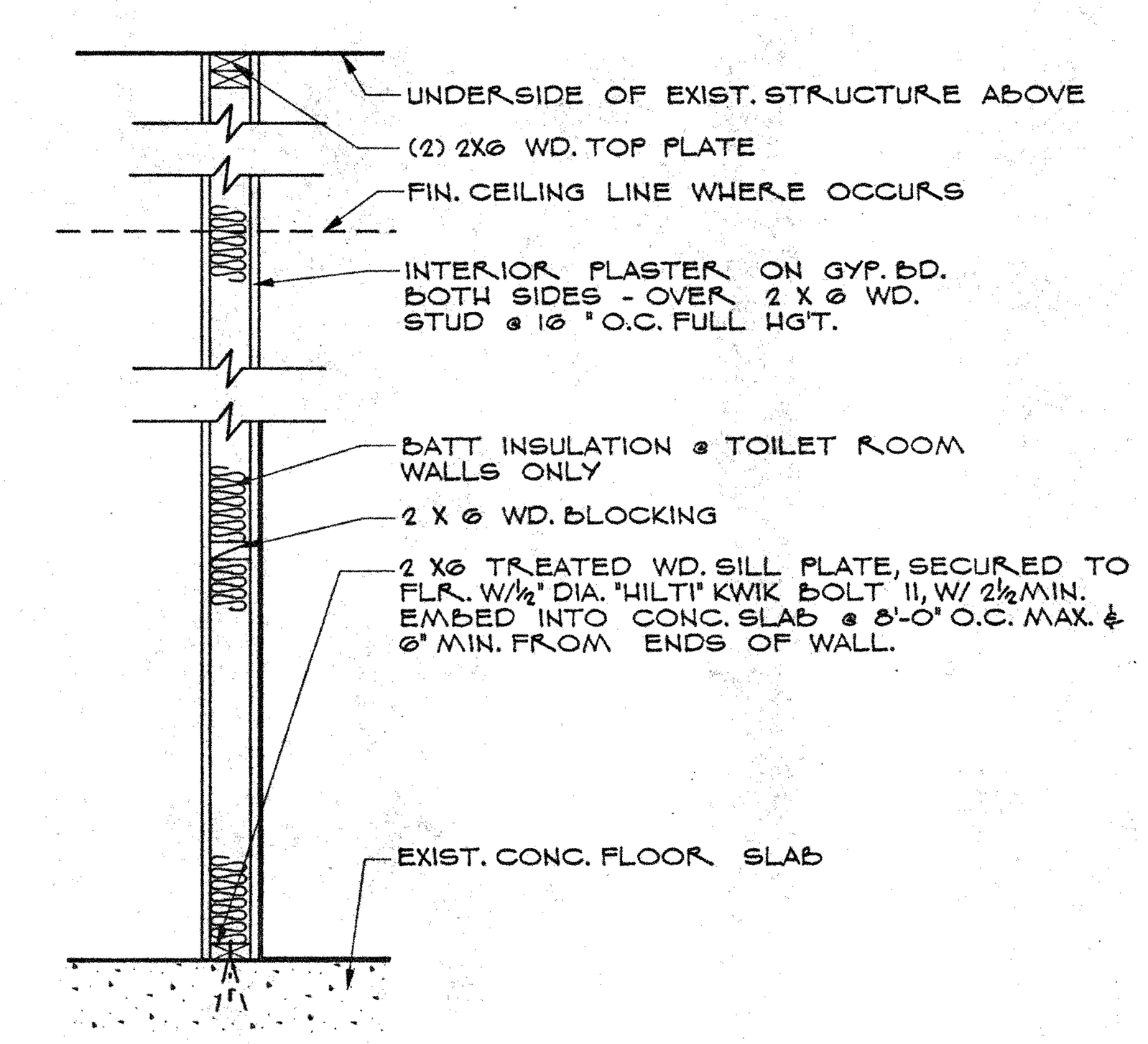
ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
INTERIOR ELEVATIONS

DATE 1/5/00
JOB NO. 19980189
DRAWN MK /CR
CHECKED

SHEET OF
A-8.3

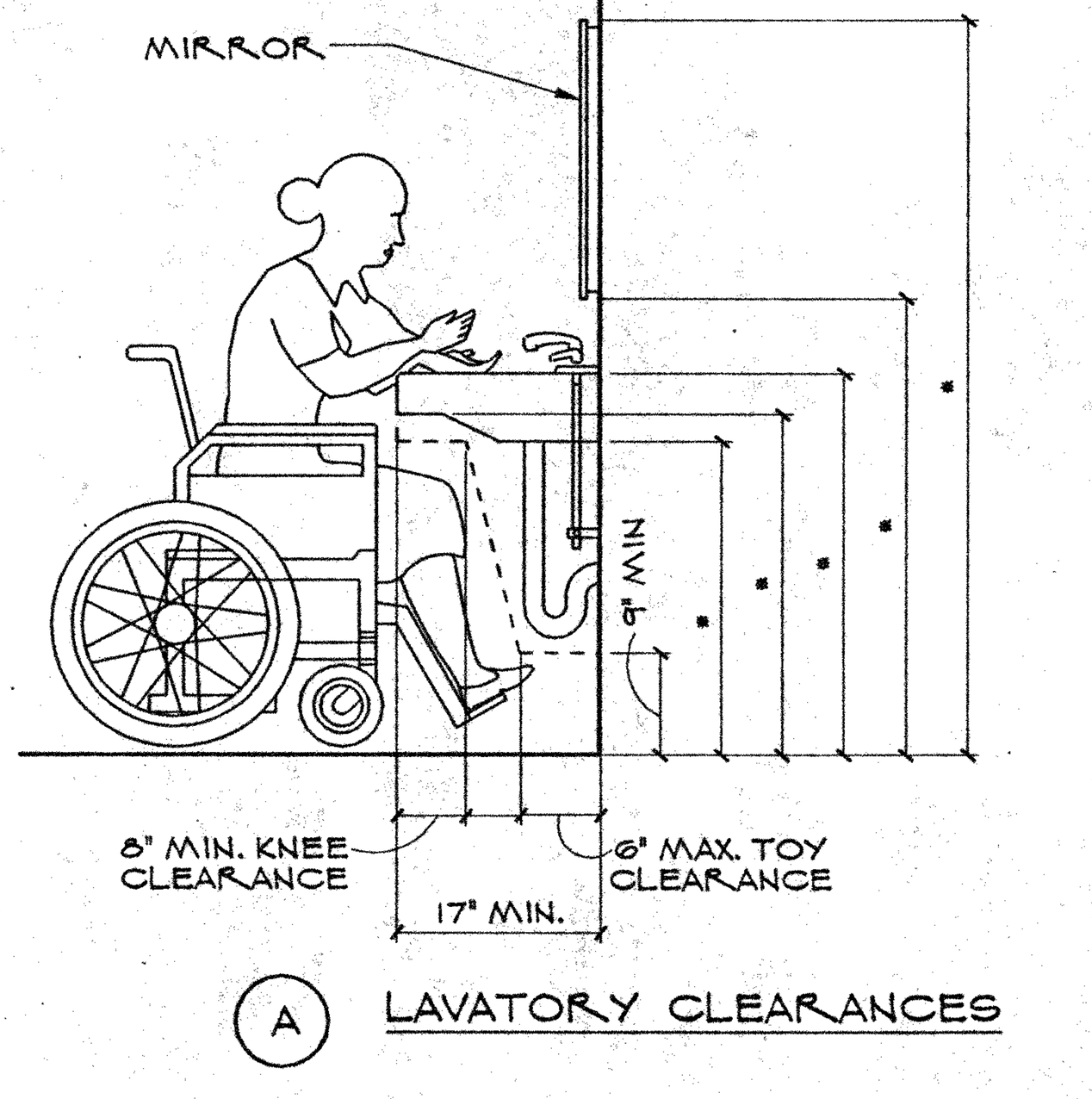
DATE: 29-DEC-1999 TIME: 07:56
FILE: N:\westminster_esd\1989\1989803.dgn

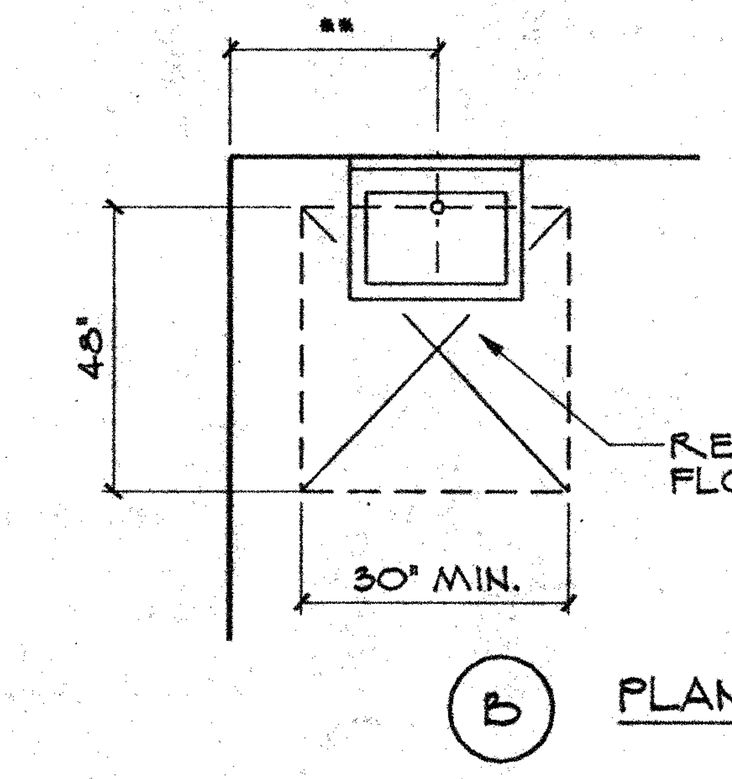
8189-9.10



INTERIOR WALL SECTION (14)
¾" = 1'-0"

8189-10.9





UNIFORM PLUMBING CODE
SECTION 1504 - LAVATORIES

*,** (a) FOR SUGGESTED MOUNTING HEIGHTS OF ACCESSIBLE LAVATORY SEE TABLE 1115B-1 ON DET.

TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MIN. OF 9 INCHES HIGH FROM THE FLOOR AND MIN. OF 17 INCHES DEEP FROM THE FRONT OF THE LAVATORY.

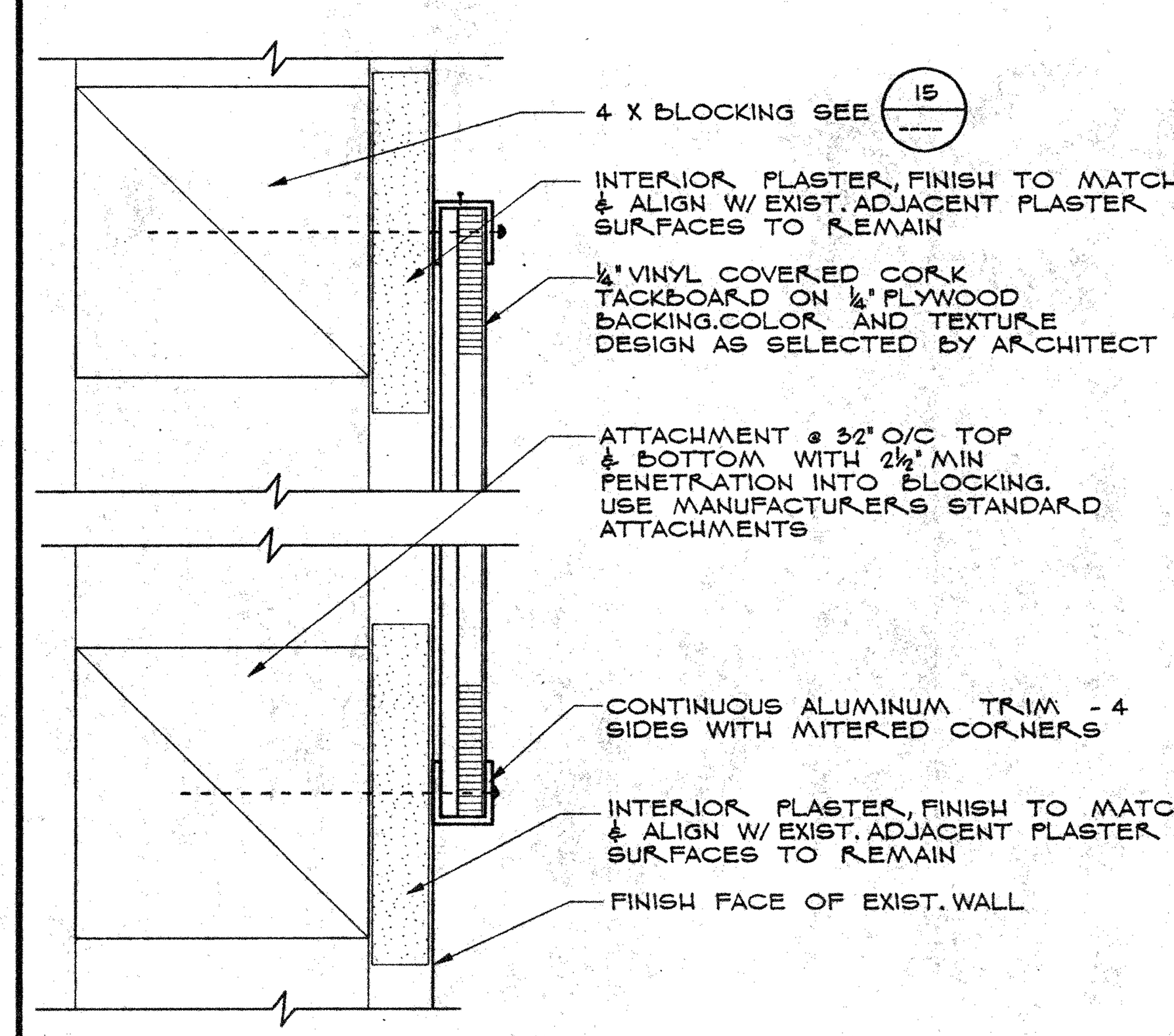
(b) HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

(c) FAUCET CONTROLS AND OPERATING MECHANISM SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRET TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 lbf. LEVER-OPERATED, PUSH-TYP AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

ACCSESSIBLE LAVATORY (11)
N.T.S.

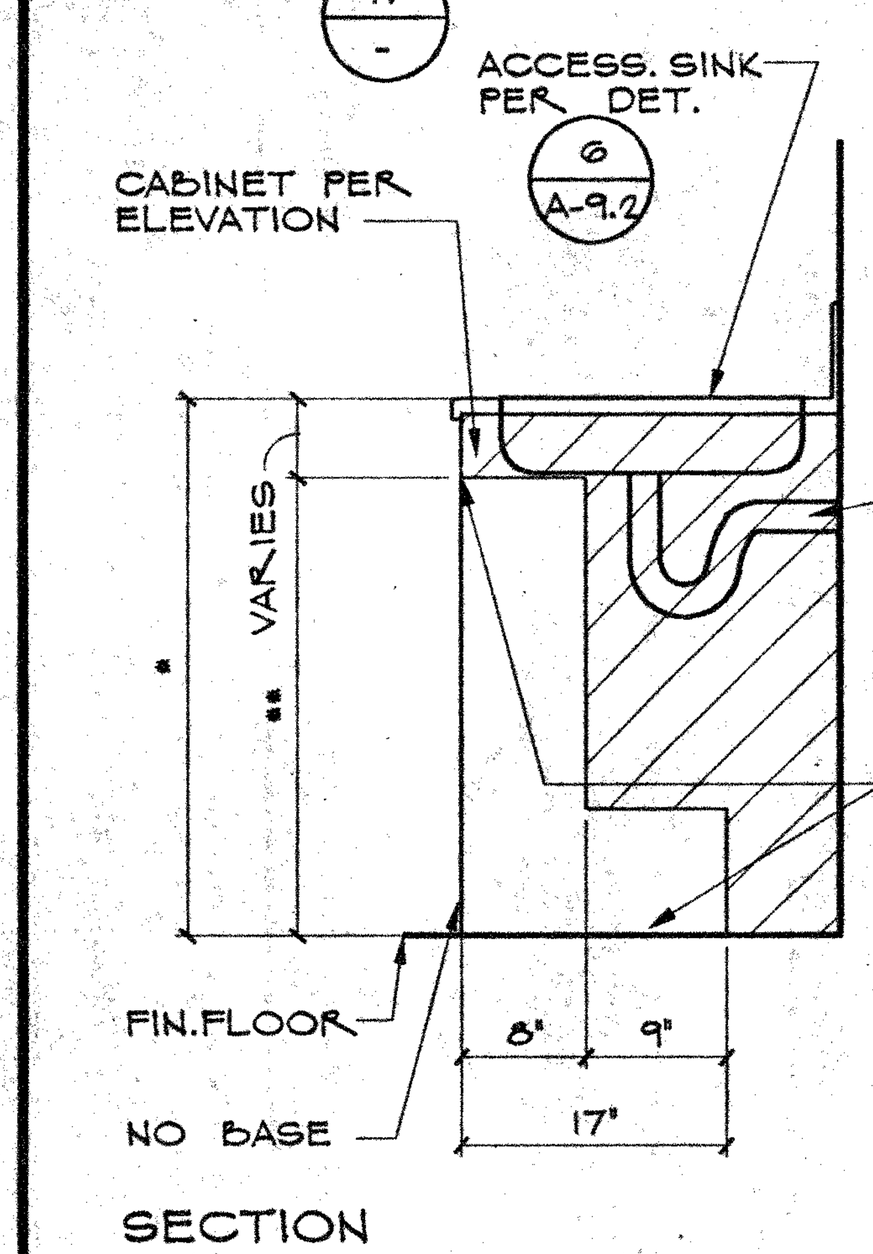
8189-10.7



TACKBOARD (7)
HALF SCALE

8189-10.4

NOTE:
* FOR ACCESSIBLE SINK COUNTER HGT'S, SEE 17



FAUCET CONTROLS & OPENING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE & ELECTRICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

HOT WATER & DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES

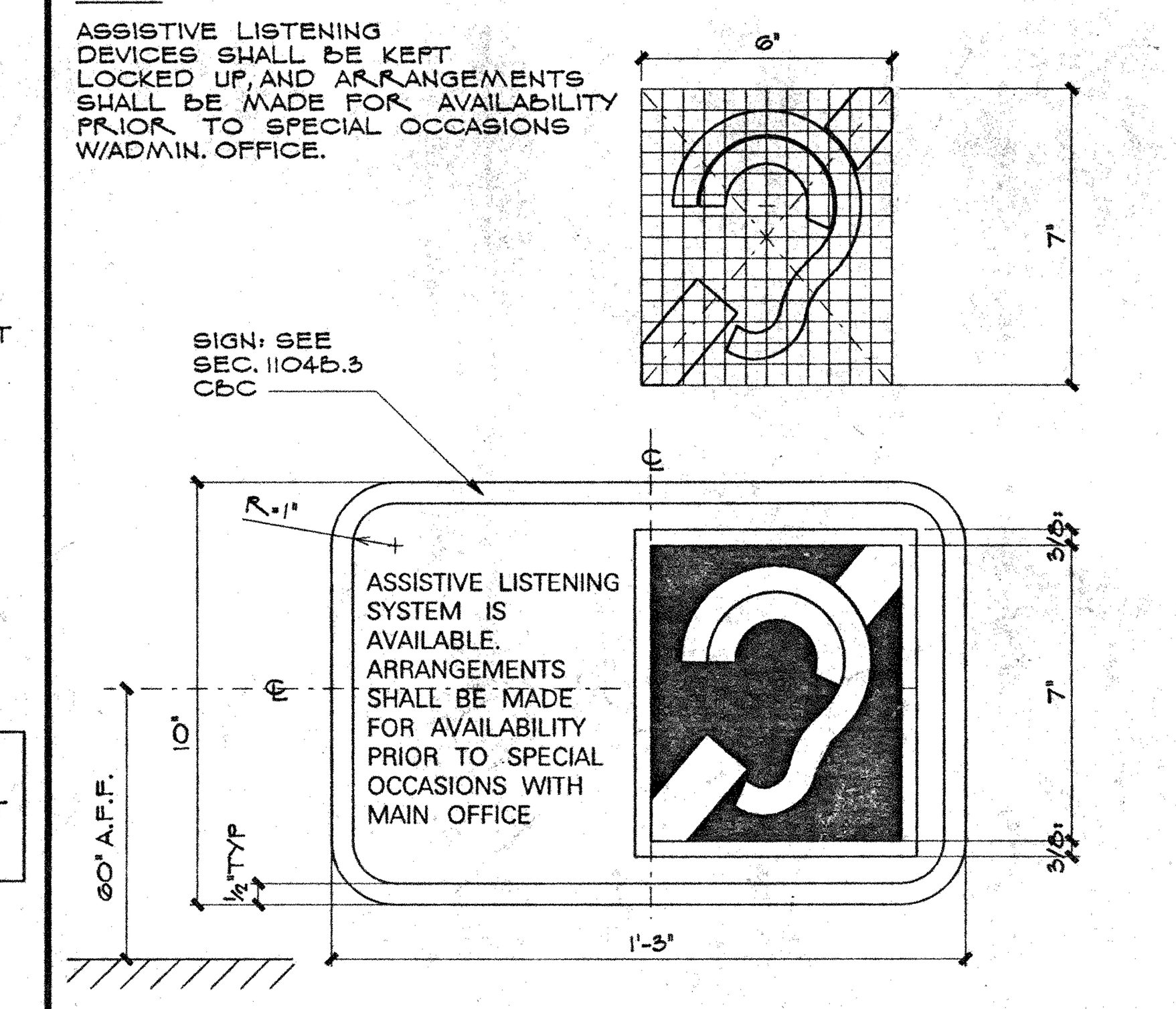
AREA NOT HATCHED BELOW COUNTER MUST BE ACCESSIBLE AND CLEAR

NOTE:
WHERE SINKS ARE PROVIDED, AT LEAST ONE SINK & COUNTER SHALL BE HANDICAP ACCESSIBLE.

CABINET WITH ACCESSIBLE SINK (4)
N.T.S.

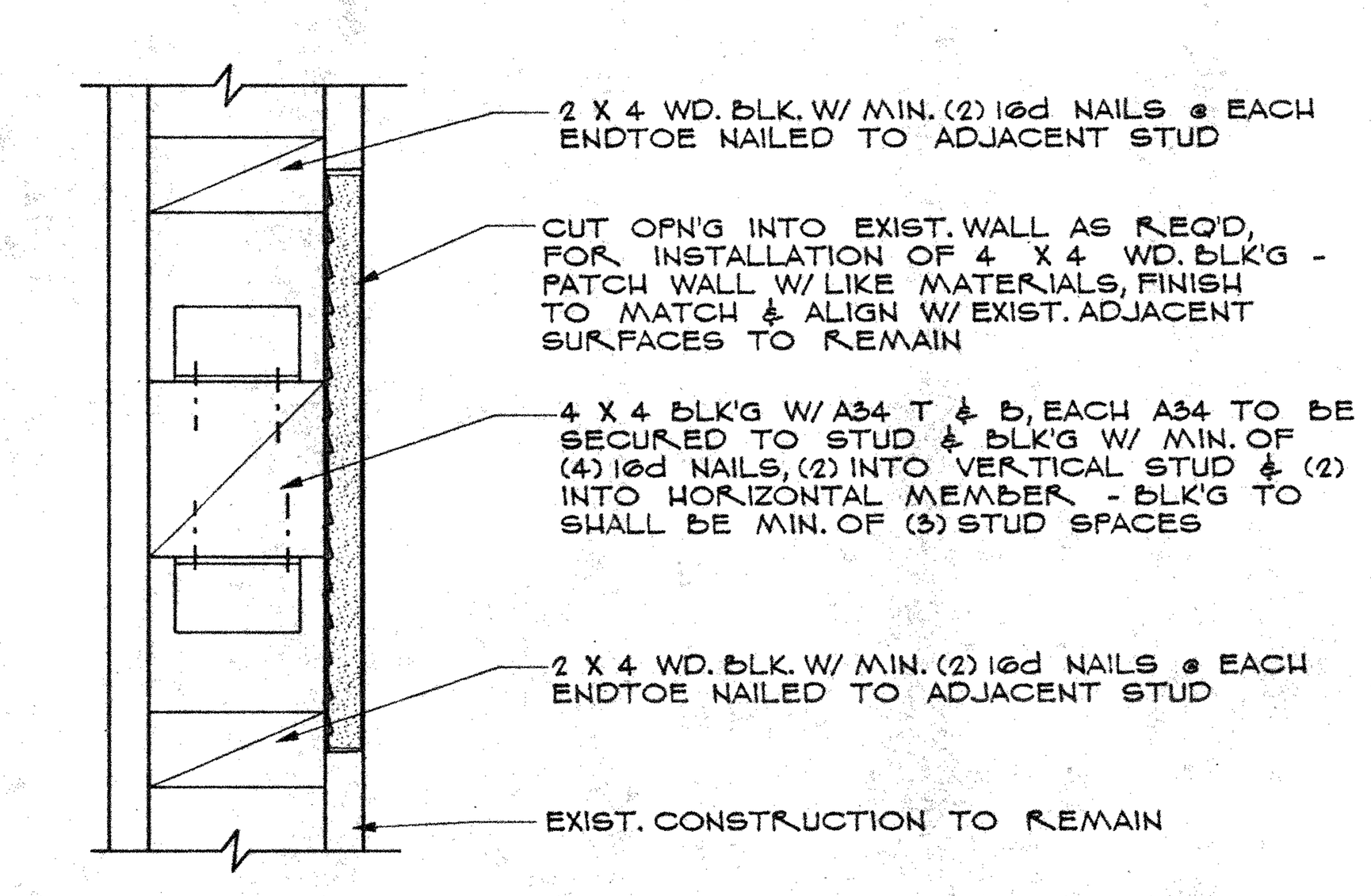
8189-10.27

NOTE:
ASSISTIVE LISTENING DEVICES SHALL BE KEPT LOCKED UP, AND ARRANGEMENTS SHALL BE MADE FOR AVAILABILITY PRIOR TO SPECIAL OCCASIONS W/ADMIN. OFFICE.



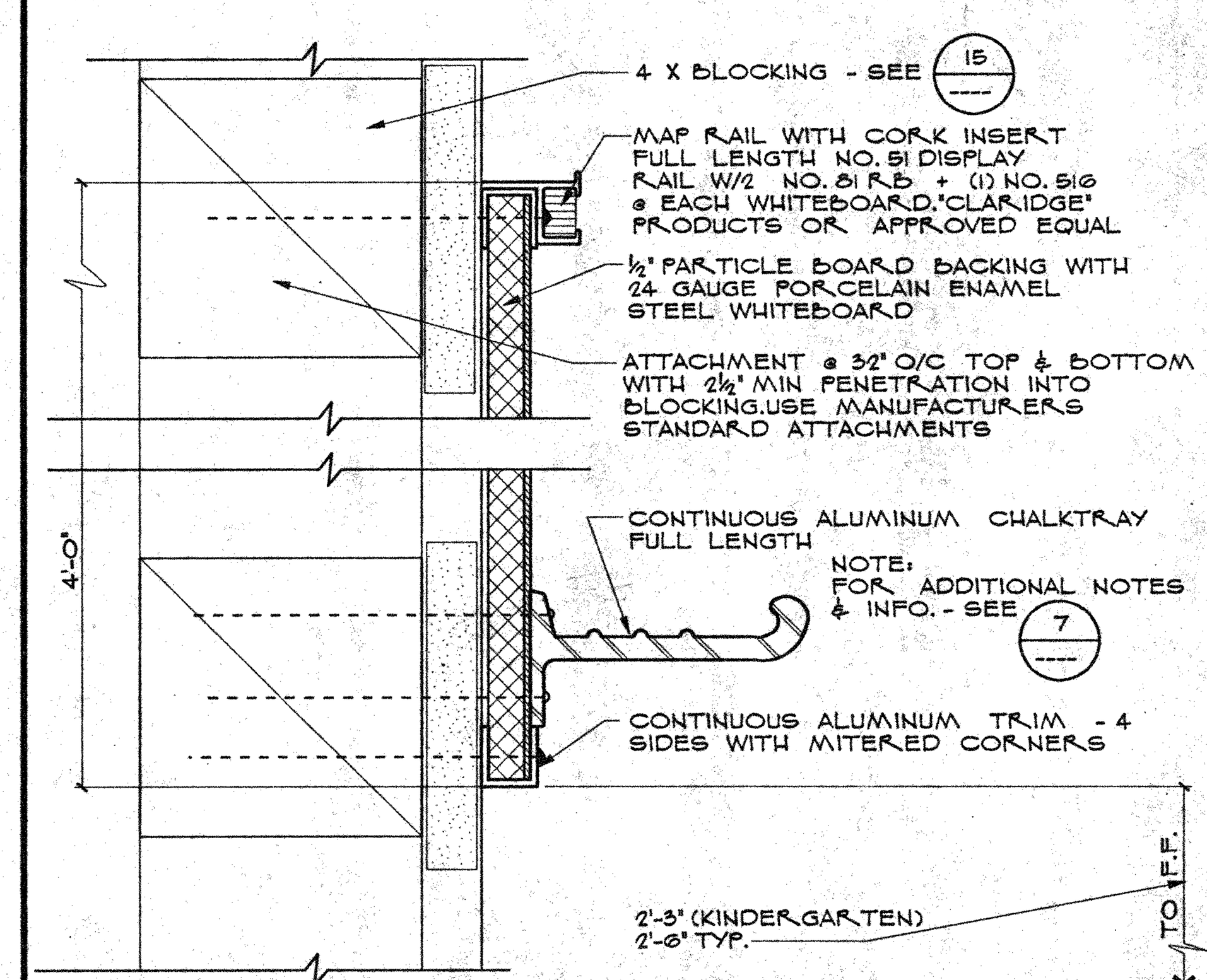
ASSISTIVE LISTENING SYSTEM SIGN (1)
3" = 1'-0"

8189-6.15



CASEWORK BACKING DETAIL (15)
3" = 1'-0"

8189-10.8



MARKER BOARD (8)
HALF SIZE

8189-10.5

1115B-1, 1115B.5-1115B.6.1 — 1994 UNIFORM BUILDING CODE

TABLE 1115B-1 - SUGGESTED MOUNTING HEIGHTS

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES RECOMMENDS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER OUR JURISDICTION. THESE RECOMMENDATIONS ARE BASED ON THE FEDERAL 'RECOMMENDATIONS FOR ACCESSIBILITY FOR CHILDREN IN ELEMENTARY SCHOOL' AND OTHER RECOGNIZED PUBLICATIONS ON ACCESS FOR CHILDREN:

A = ADULT DIMENSIONS (AGE 12 AND OVER)

E = ELEMENTARY DIMENSIONS

K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS

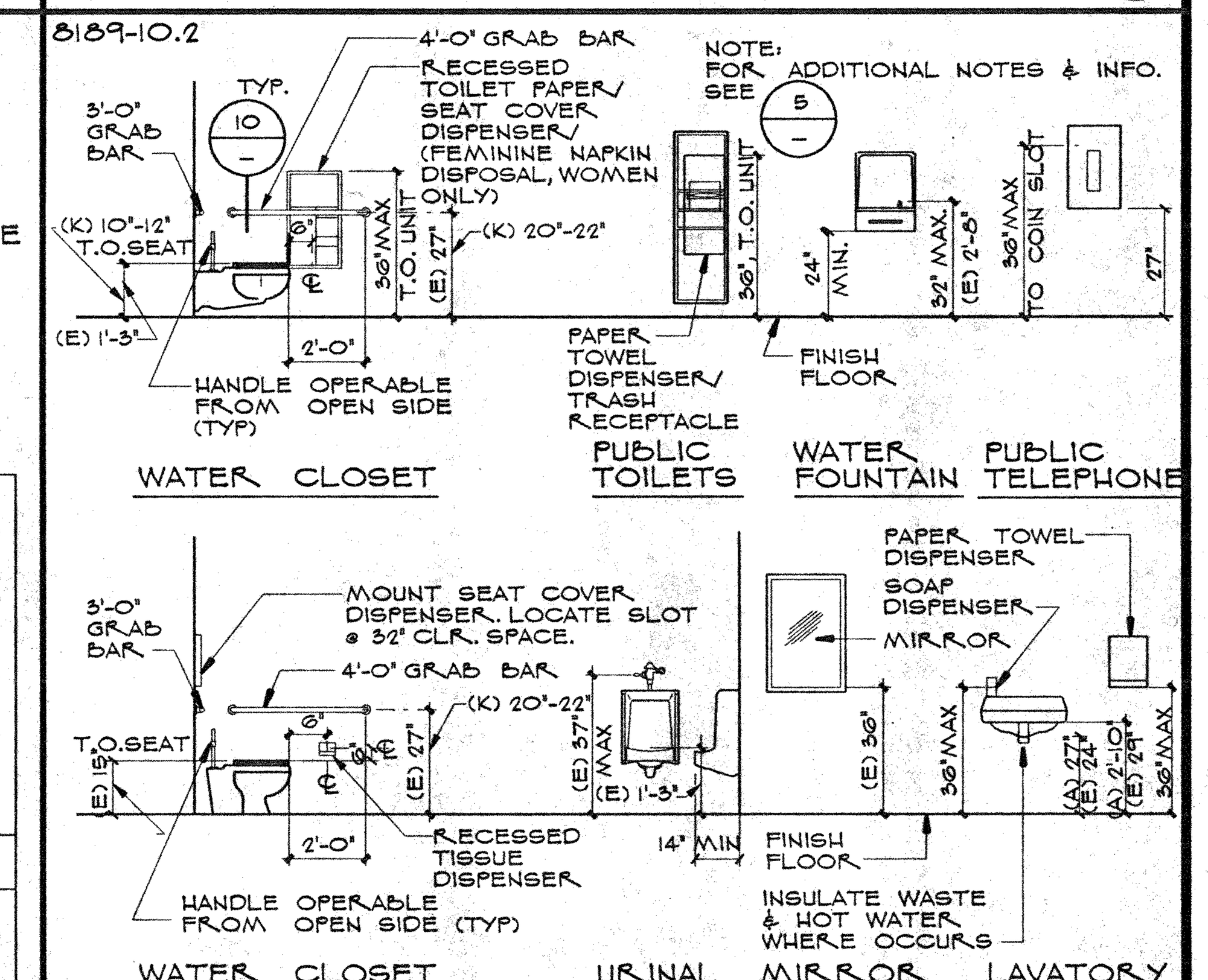
		SUGGESTED	
DIMENSION	A (INCHES)	E (INCHES)	K (INCHES)
TOILET CENTERING FROM WALL	18	15 *	12 *
TOILET SEAT HEIGHT	17-19	15	10-12
GRAB BAR HEIGHT (SIDE)	33	27	20-22
		DIMENSION TO TOP OF SEAT	
TOILET PAPER IN FRONT OF TOILET	12 MAX	6 MAX *	6 MAX *
~~NAPKIN DISPOSAL IN FRONT OF TOILET~~	~~12 MAX~~	~~12 MAX~~	~~N/A~~
DISPENSER OR MIRROR HEIGHT	40 MAX	36 MAX	32 MAX
LAVATORY/SINK TOP HEIGHT	34 MAX	29 MAX	24 MAX
LAVATORY/SINK KNEE CLEARANCE	27 MIN	24 MIN	19 MIN
URINAL LIP HEIGHT	17 MAX	15 MAX	13 MIN
URINAL FLUSH HANDLE HEIGHT	44 MAX	37 MAX	32 MAX
DRINKING FOUNTAIN BUBBLER HEIGHT	36 MAX	32 MAX	30 MAX
DRINKING FOUNTAIN KNEE CLEARANCE	27 MIN	24 MIN	19 MIN
RAMP/STAIR HANDRAIL HEIGHT	34-38	27	22

* DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP.

[DSA/AC 23/96] ADDITION OF TABLE 1115B-1 BECOMES EFFECTIVE APRIL 1, 1998

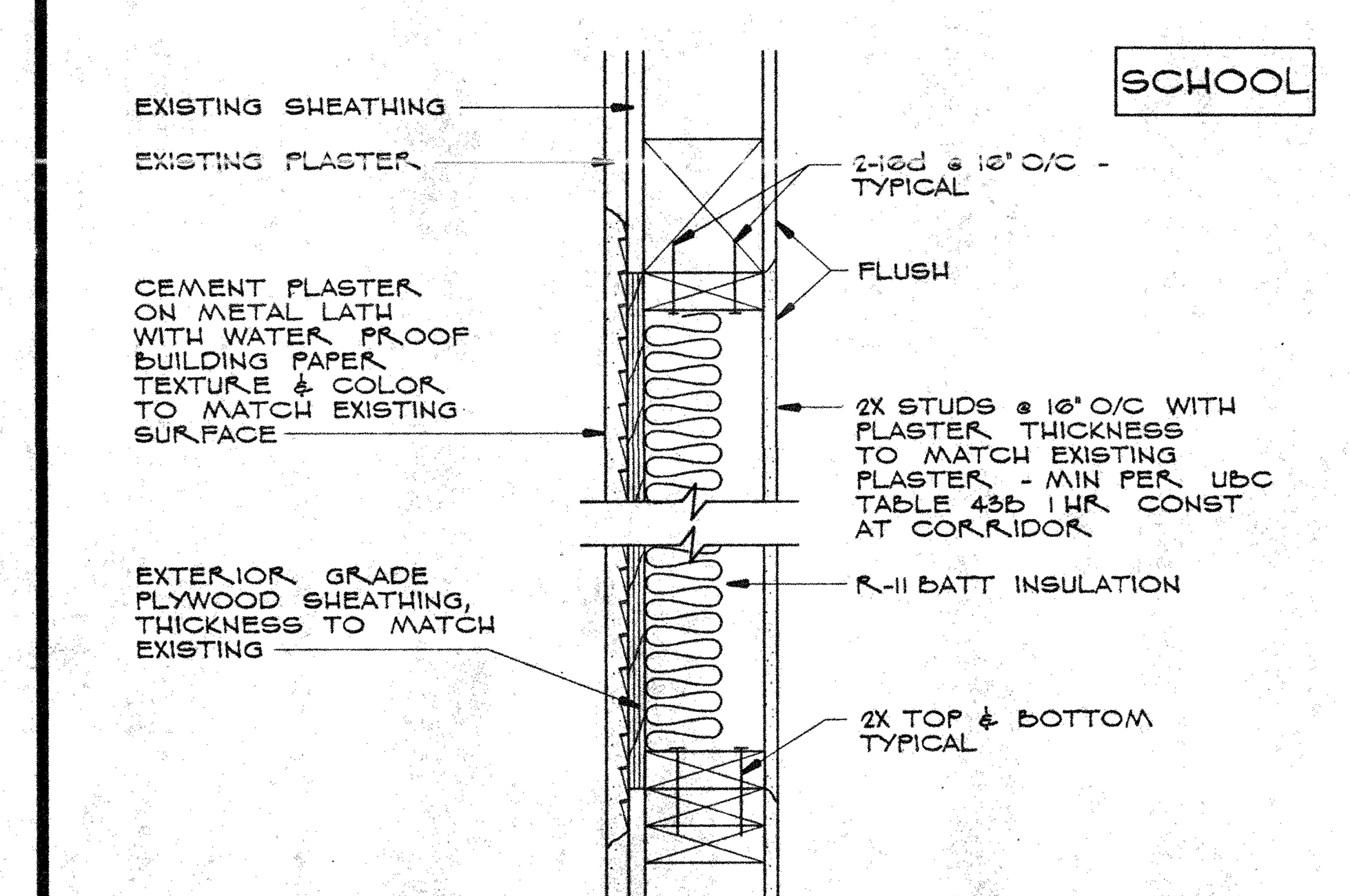
SUGGESTED MOUNTING HEIGHTS (5)
N.T.S.

8189-10.2



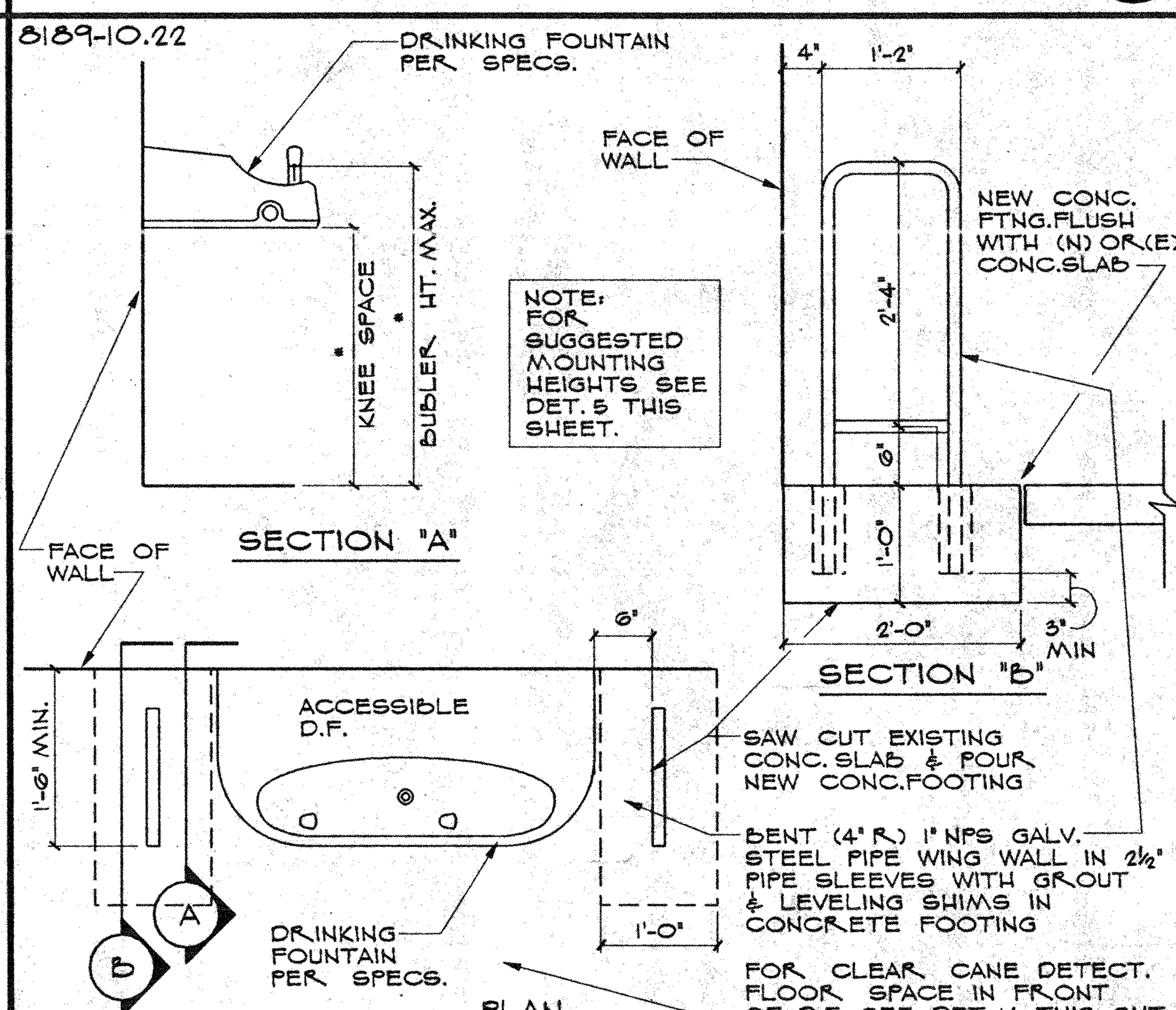
ACCESSIBLE FIXTURE MOUNTING ELEV. (2)
¼" = 1'-0" (ELEMENTARY HEIGHTS)

8189-9.12



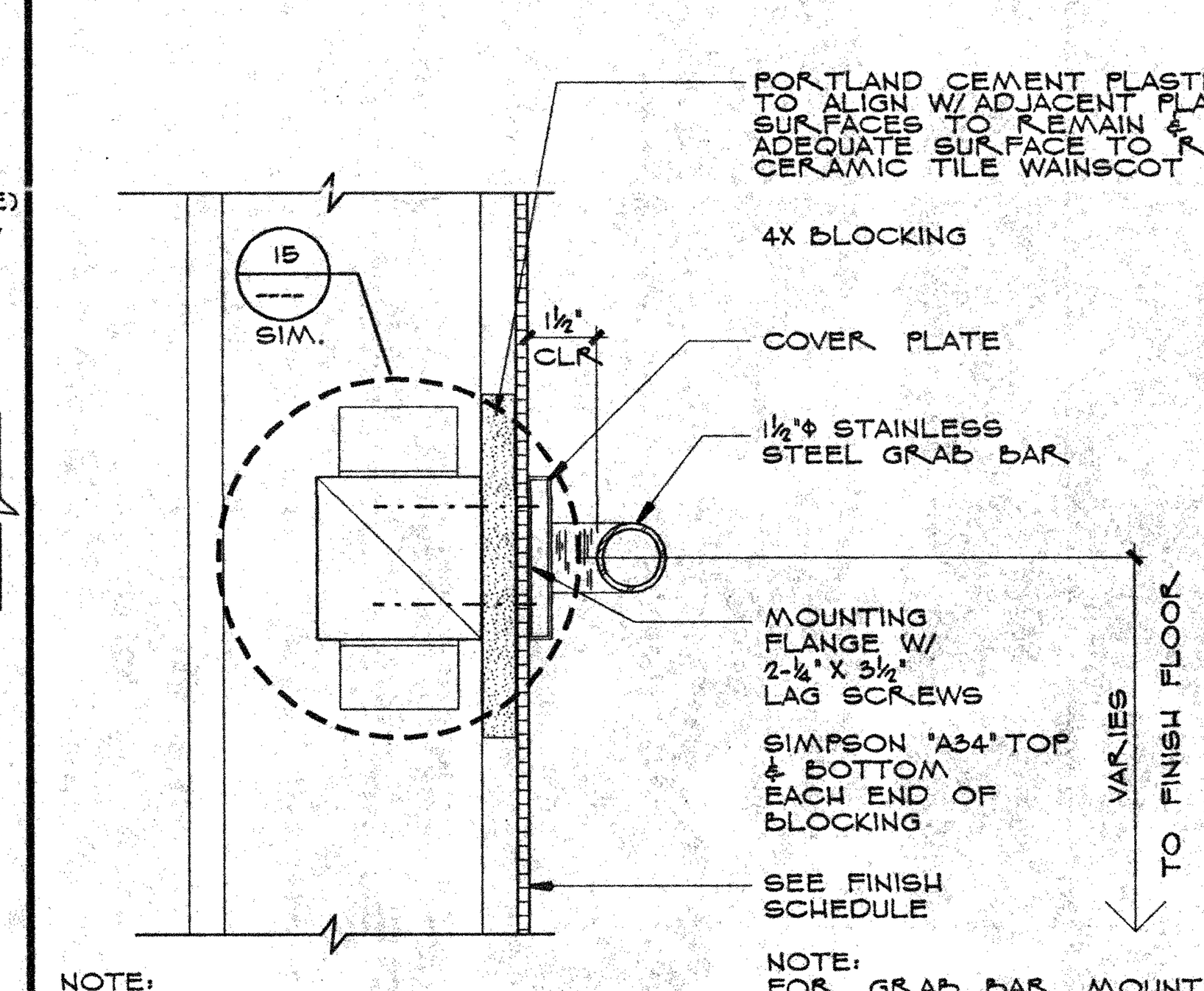
CLOSED OPENING (16)
1½" = 1'-0"

8189-10.22



DUAL HT. ACCESS. DRINKING FOUNTAIN (12)
N.T.S.

8189-5.1

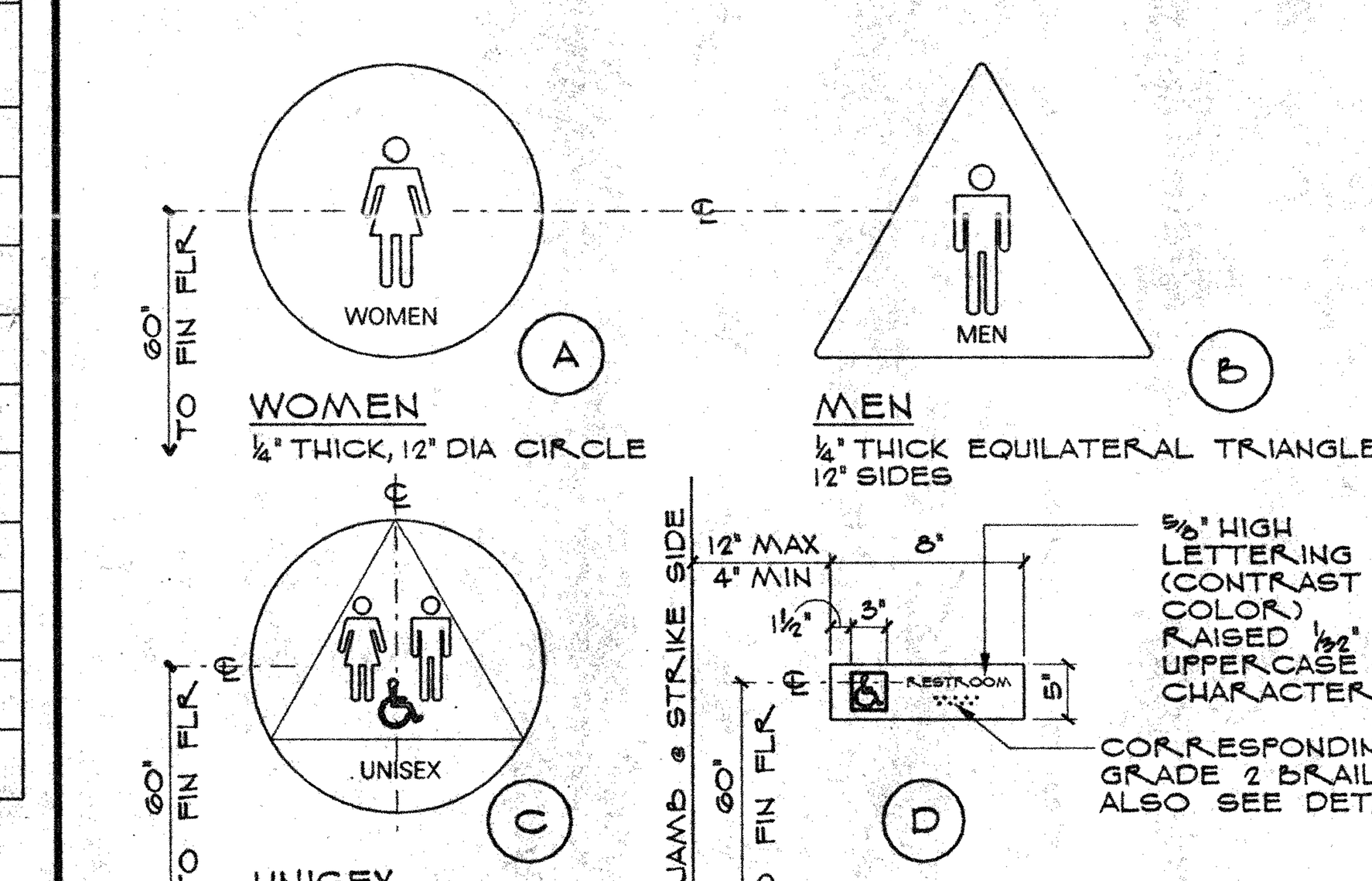


NOTE:
GRAB BAR SHALL BE ANCHORED TO RESIST A DIRECT TENSION LOAD OF 250 lbs. HORIZONTALLY, PLUS A MOMENT LOAD OF 250 lbs. APPLIED TO THE BAR VERTICALLY

NOTE:
FOR GRAB BAR MOUNTING HG'T, REFER TO DETAIL 5

GRAB BAR DETAIL (9)
3" = 1'-0"

8189-10.3



WOMEN
¼" THICK, 12" DIA CIRCLE

MEN
¼" THICK EQUILATERAL TRIANGLE, 12" SIDES

5/8" HIGH LETTERING (CONTRAST COLOR) RAISED 1/32" UPPERCASE CHARACTERS

CORRESPONDING GRADE 2 BRAILLE ALSO SEE DETAIL.

UNISEX
¼" THK. EQUILATERAL TRIANGLE OVER ¼" THK. 12" DIAMETER CIRCLE

NOTES:
ALL MAJOR USE ROOM(S) W/ ANY KIND OF SIGNAGE MUST HAVE SIGNAGE ACCESSIBLE TO THE VISUALLY IMPAIRED.

SYMBOLS ARE TO BE CENTERED ON THE DOOR, AND ARE TO BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR & CONTRAST

ALL SIGNAGE TO CONFORM TO SEC. 1103.2.4 & 1117B.5, CBC.

SIGN "D" TO BE WALL MOUNTED LATCH SIDE OF DOOR.

T

TOILET ROOM SIGNS/IDENTIFICATION (3)
1½" = 1'-0"

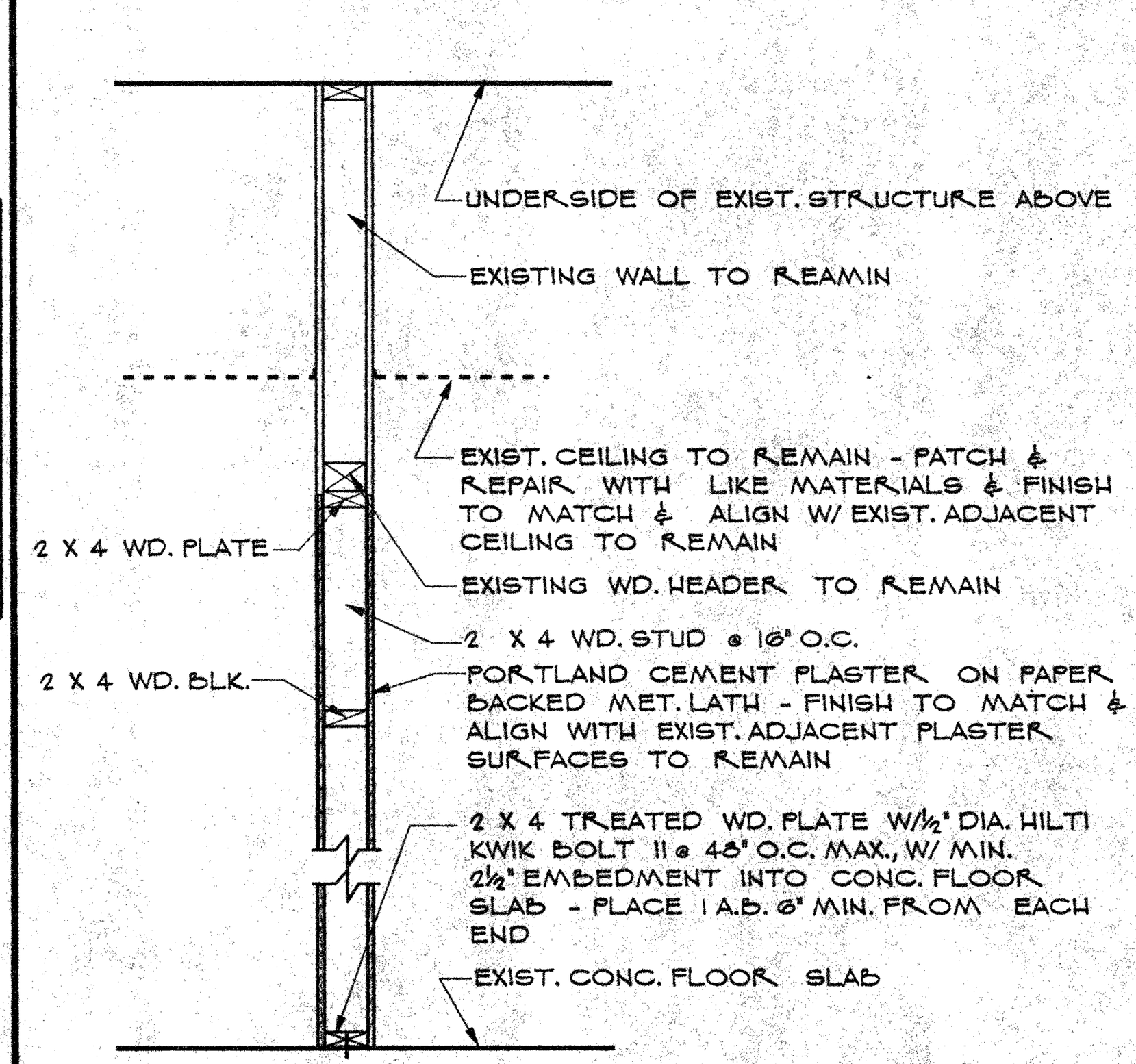
8189-10.25

ACCESSIBLE SINK COUNTERS

	COUNTER HEIGHT	KNEE SPACE	SINK DEPTH MAX.	DRINKING FOUNTAIN BUBBLER HEIGHT	BUBBLER
ADULT	34"	27"	7"	36"	2"
ELEMENTARY	30"	24"	6"	32"	2"
ELEMENTARY	29"	24"	5"	32"	3"
KINDER.	24"	19"	5"	30"	6"

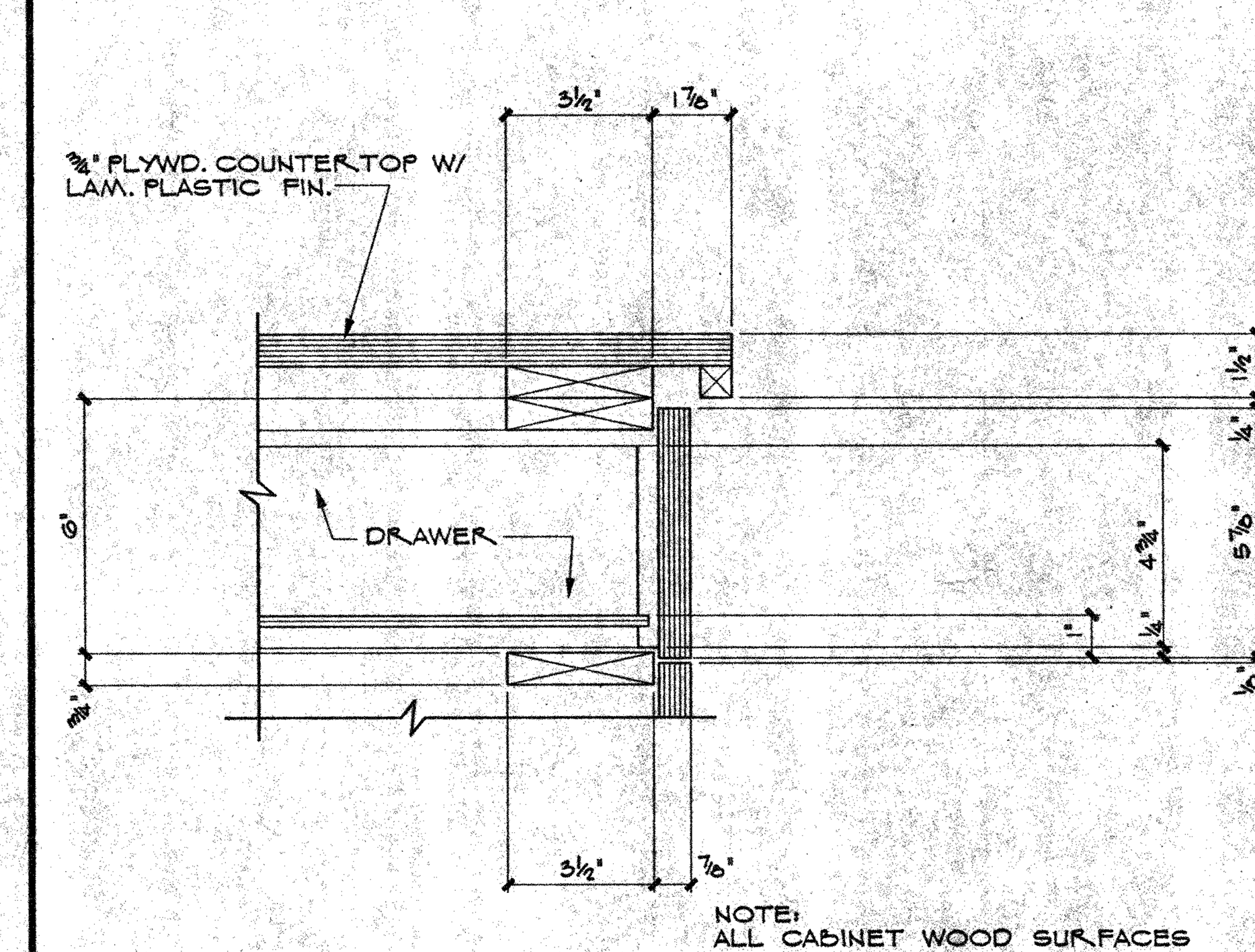
ACCESSIBLE SINK COUNTERS (17)
¼" = 1'-0"

8189-9.9



DOOR INFILL (13)
¾" = 1'-0"

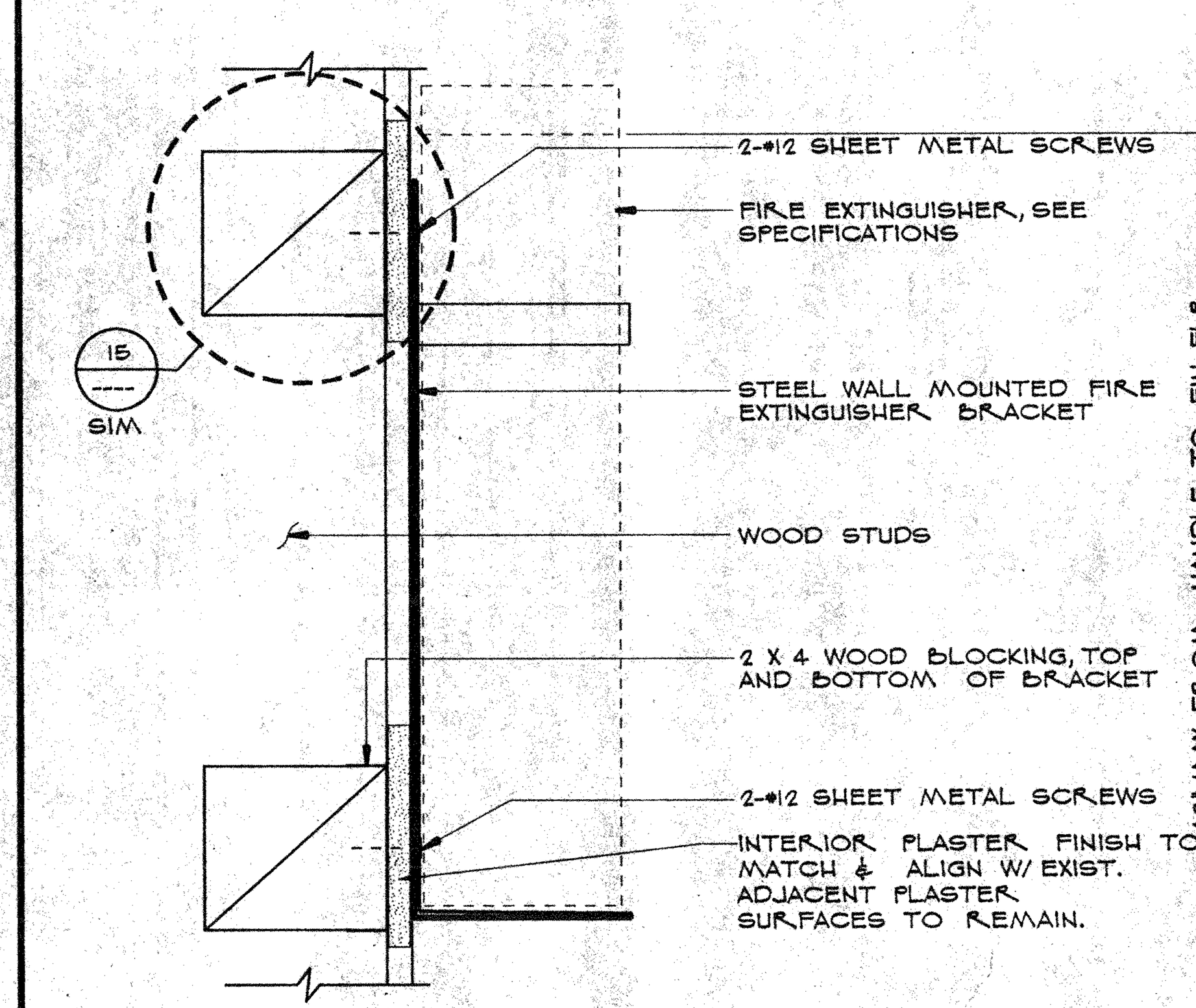
8189-6.19



NOTE:
ALL CABINET WOOD SURFACES TO RECEIVE LAM. PLASTIC FIN. ON ALL EXPOSED & SEMI EXPOSED SURFACES

CASEWORK DETAIL (10)
3" = 1'-0"

8189-10.6



FIRE EXTINGUISHER WALL BRACKET (6)
3" = 1'-0"

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9/10/99	DSA PLAN REVIEW SUBMITTAL
1/5/00	DSA BACK CHECK SUBMITTAL

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DATE: 29-DEC-1999 TIME: 07:55

LICENSED ARCHITECT JAY R. TITTLE NO. 12955 REN. 11-30-01 STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

MISCELLANEOUS DETAILS

DATE 1/5/00
JOB NO. 1998089
DRAWN C. REYES
CHECKED

SHEET OF
A-9.1

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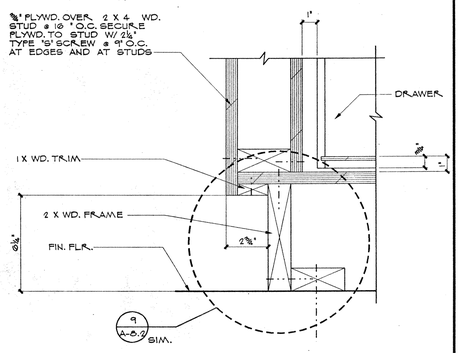
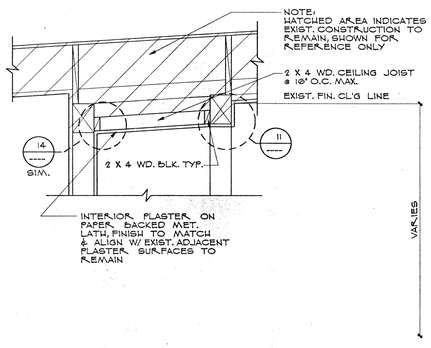
8189-6.22



CASEWORK BASE DETAIL 16

3" = 1'-0"

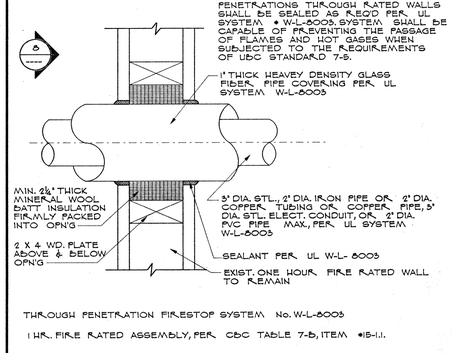
8189-9.7



CEILING DETAIL 12

¾" = 1'-0"

8189-7.12



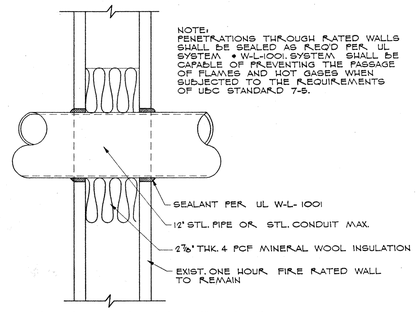
THROUGH PENETRATION FIRESTOP SYSTEM No. W-L-8003

1 HR. FIRE RATED ASSEMBLY, PER CBC TABLE 7-B, ITEM #15-1.1.

1 HR. WALL PENETRATION 8

3" = 1'-0"

8189-7.5



THROUGH PENETRATION FIRESTOP SYSTEM No. W-L-1001

1 HR. FIRE RATED ASSEMBLY, PER CBC TABLE 7-B, ITEM #15-1.1.

1 HR. WALL PENETRATION 4

3" = 1'-0"

8189-7.2

PENETRATION TYPE	GYPSUM STL., WOOD 1 HOUR	GYPSUM STL., WOOD 1 HOUR
METAL PIPE, CONDUIT	WL 1001 WL 1007	WL 1001 WL 1007
METAL DWV	WL 1001	WL 1001
COPPER	WL 1001	WL 1001
INSULATED PIPE	WL 5001	WL 5001
COMBINED PENETRATIONS	WL8003	WL8003
DUCTWORK 10" DIAMETER	ENG. JUDGEMENT BASED ON WL 5001	ENG. JUDGEMENT BASED ON WL 5001

NOTE:
1. MFR'S REPRESENTATIVE SHALL INSPECT INTIAL INSTALLATION OF EACH TYPE OF FIRESTOP SYSTEM TO VERIFY INSTALLATION PROCEDURES.
2. AT COMPLETION OF WORK, INSPECT ALL FIRESTOPPING APPLICATIONS TO VERIFY COMPLIANCE WITH LISTING REQUIREMENTS.
3. PROVIDE WRITTEN SERTIFICATION THAT ALL FIRESTOPPING SYSTEMS WERE INSTALLED IN ACCORDANCE WITH LISTING REQUIREMENTS AND APPROVED SCHEDULE.

FIRESTOPPING SCHEDULE 1

¼" = 1'-0"

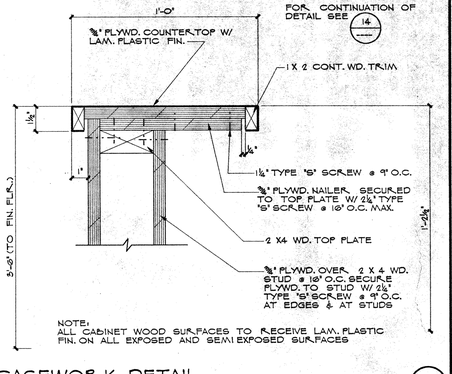
8189-6.23



CASEWORK BASE DETAIL 17

3" = 1'-0"

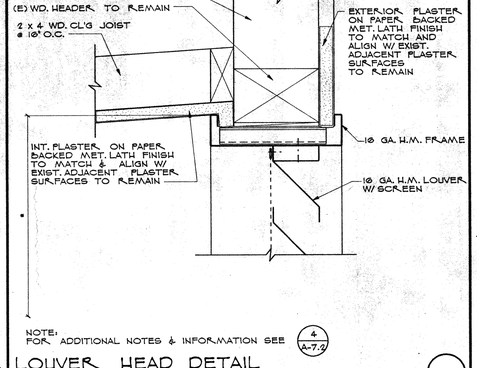
8189-9.8



SOFFIT DETAIL 14

3" = 1'-0"

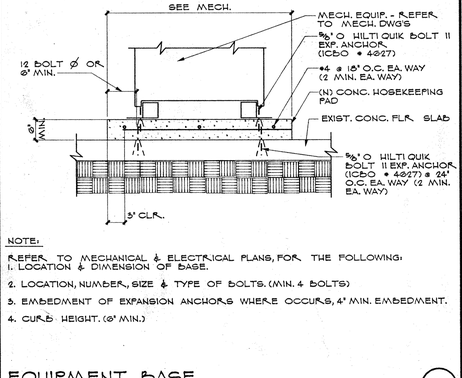
8189-7.11



THRU PENETRANTS PLANS, SCHEDULES (CEILING/ROOF STRUCTURE) 9

3" = 1'-0"

8189-7.6



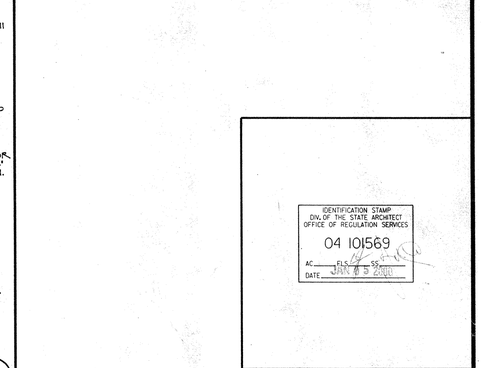
THROUGH PENETRATION FIRESTOP SYSTEM No. W-L-5001

1 HR. FIRE RATED ASSEMBLY, PER CBC TABLE 7-B, ITEM #15-1.1.

1 HR. WALL PENETRATION 5

3" = 1'-0"

8189-7.3



THROUGH PENETRATION ELEV. 2

3" = 1'-0"

8189-6.24

CASEWORK DETAIL 18

3" = 1'-0"

8189-6.20

CASEWORK DETAIL 14

3" = 1'-0"

8189-9.5

PARTIAL REFL'D CL'G PLAN 10

½" = 1'-0"

8189-10.11

CABINET WITH ACCSESSIBLE SINK 6

N.T.S.

8189-7.4

THROUGH PENETRATION FIRESTOP SYSTEM No. W-L-1007

1 HR. FIRE RATED ASSEMBLY, PER CBC TABLE 7-B, ITEM #15-1.1.

1 HR. WALL PENETRATION 3

3" = 1'-0"

8189-6.21

CASEWORK DETAIL 15

3" = 1'-0"

8189-9.6

LOUVER HEAD DETAIL 11

3" = 1'-0"

8189-5.1

NOTE:
REFER TO MECHANICAL & ELECTRICAL PLANS, FOR THE FOLLOWING:
1. LOCATION & DIMENSION OF BASE.
2. LOCATION, NUMBER, SIZE & TYPE OF BOLTS. (MIN. 4 BOLTS)
3. EMBEDMENT OF EXPANSION ANCHORS WHERE OCCURS, 4" MIN. EMBEDMENT.
4. CURB HEIGHT. (6" MIN.)

EQUIPMENT BASE 7

1" = 1'-0"

19

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DATE 1/5/00
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DRWN C. REYES
CHECKED

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
MISCELLANEOUS DETAILS

LICENSED ARCHITECT * JAMES W. TITTLE * NO. 12955 REN. 11-30-00 * STATE OF CALIFORNIA

NTD ARCHITECTS
2125 Financial Way, Suite 106 Glendora, CA 91741
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PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION
		PIPE–TURN DOWN
		PIPE–TURN UP
	SOV	SHUT–OFF VALVE
	BV	BALANCING VALVE
	SV	SOLENOID VALVE
	MV	MIXING VALVE
	GC	GAS COCK
	CV	CHECK VALVE, DIRECTION OF FLOW DESIGNATED.
	GV	GLOBE VALVE
	C & V	CAP AND VALVE FOR FUTURE CONNECTION.
		DIRECTION OF DOWNWARD SLOPE OF PIPE.
	UN	UNION (FOR TYPE SEE SPEC.).
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
—TW—	TW	TEMPERED WATER
	W	WASTE BELOW GRADE
	W	WASTE ABOVE GRADE
	V	VENT
—G—	G	GAS
—F—	F	FIRE LINE
—C—	CD	A.C. CONDENSATE DRAIN
	PRV	PRESSURE REDUCING VALVE STATION
		PRESSURE GAGE W/ GAGE COCK
		THERMOMETER W/ GAGE COCK
		PRESSURE RELIEF VALVE
		FLEXIBLE CONNECTION
		PEETS PLUG
	POC	POINT OF CONNECTION
—ECW—	ECW	EXISTING COLD WATER
—ESS—	ESS	EXISTING SANITARY SEWER
—EW—	EW	EXISTING WASTE
—EG—	EG	EXISTING GAS
—EV—	EV	EXISTING VENT
—EHW—	EHW	EXISTING HOT WATER
	DN	DOWN
	FR	FROM
	BEL	BELOW
	ABV	ABOVE
	CO	CLEANOUT
	FCO	FLOOR CLEANOUT
	FLR	FLOOR
	CLG	CEILING
	VTR	VENT THRU ROOF
	GRD	GRADE
	UTR	UP THRU ROOF
	AP	ACCESS PANEL
	HDR	HEADER
	TYP	TYPICAL
	@	AT
	EXIST/(E)	EXISTING
	(N)	NEW
	(R)	REMOVE
	CONN	CONNECT OR CONNECTION
	FF	FINISH FLOOR
	IW	INDUSTRIAL WATER

PLUMBING REQUIREMENTS

1. SCOPE OF WORK:
   A. FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT & FACILITIES NECESSARY TO FURNISH, FABRICATE, DELIVER, STORE AND INSTALL ALL WORK NOTED ON THE DRAWINGS AND/OR SPECIFIED HEREIN.
   B. THE CONTRACTOR SHALL FURNISH & INSTALL ALL WORK NECESSARY TO MAKE A COMPLETE SYSTEM WHETHER OR NOT SUCH DETAILS ARE MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE PLANS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE SYSTEM, EXCEPTING ONLY THOSE PORTIONS THAT ARE SPECIFICALLY MENTIONED HEREIN OR PLAINLY MARKED ON THE ACCOMPANYING DRAWINGS AS BEING INSTALLED UNDER ANOTHER SECTION OF THE SPECIFICATION.
2. WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED IN A THOROUGH & WORKMANLIKE MANNER SATISFACTORY TO AND MEETING THE APPROVAL OF THE ARCHITECT.
3. MATERIALS: ALL MATERIALS, APPLIANCES & EQUIPMENT, SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND, FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND AND QUALITY SPECIFIED.
4. SITE INSPECTION: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMISSION OF HIS BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS & EXACT NATURE OF THE WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE & FUNCTIONAL SYSTEM. NO CHANGES IN CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDING FOR ANY OMISSIONS WHICH RESULTS FROM A FAILURE TO THOROUGHLY MAKE THE EXAMINATION.
5. CODES AND PERMITS: ALL MECHANICAL EQUIPMENT, INSTALLATION, ETC., SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES, INCLUDING CALIFORNIA TITLE 24. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS & INSPECTIONS.
6. AS–BUILTS: CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS–BUILT TRANSPAREN–CIES WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT.
7. GUARANTEE: CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR & MATERIAL ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP & MATERIALS FOR A PERIOD OF ONE YEAR.
8. SUBMITTALS: CATALOG INFORMATION & CUTS OF ALL EQUIPMENT & DEVICES SHALL BE SUBMITTED FOR REVIEW (SIX COPIES OF EACH).
9. COORDINATION: THE DRAWINGS ARE DIAGRAMMATIC & INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE BEST ARRANGEMENT OF ALL DUCT, PIPES, CONDUIT, ETC.
10. CUTTING AND PATCHING: ALL CUTTING & PATCHING OF THE EXISTING STRUCTURE SHALL BE PROVIDED UNDER OTHER SECTIONS OF THE WORK. PROVIDE ALL NECESSARY REQUIREMENTS TO THE PROJECT SUPERINTENDENT.
11. CLEANUP: UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK & LEAVE THE PREMISES CLEAN AND ORDERLY.
12. ALL HOT WATER SUPPLY AND RECIRCULATION PIPING (EXCEPT RUNOUTS 12 FT. OR SHORTER TO INDIVIDUAL FIXTURES) TO BE INSULATED AS FOLLOWS:

PIPE SIZE, IN.	INSULATION THICKNESS, IN.* (K=0.27 BTUH–IN/SQ.FT. F OR LESS)
1/2",3/4" & 1"	1"
1 1/4" THROUGH 6"	1 1/2"

13. CONDENSATE PIPING SHALL BE INSULATED WITH 3/8" FOAM PLASTIC.*
14. PIPING:
   A. WASTE, VENT AND STORM DRAIN PIPING SHALL BE STANDARD WEIGHT CAST IRON HUBLESS TYPE.
   B. WATER PIPING SHALL BE TYPE "L" COPPER HARD DRAWN WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH 95–5 OR SILVER SOLDER.
   C. CONDENSATE PIPING SHALL BE TYPE "M" COPPER WITH SOLDER JOINTS.
15. EACH PLUMBING VENT SHALL TERMINATE NOT LESS THAN TEN FEET FROM OR AT LEAST THREE FEET ABOVE ANY WINDOW, DOOR, OPENING, AIR INTAKE OR VENT SHAFT.
16. CLEAN–OUTS SHALL BE INSTALLED AS PER SEC. 406 AND 1107 OF THE PLUMBING CODE.
17. PROTECT ROOF RECEPTOR ON ROOF FROM RAIN WATER BY ELEVATING THE RIM 2 INCHES ABOVE ROOF SURFACE.
18. PROVIDE WATERTIGHT FLASHING WHEREVER PIPES PASS THRU EXTERIOR WALLS, ROOF AND FLOORS.
19. PENETRATIONS: PENETRATION IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE–STOPPED. FIRE–STOPPING SHALL BE AN APPROVED MATERIAL SECURELY INSTALLED AND CAPABLE OF MAINTAINING ITS INTEGRITY WHEN SUBJECTED TO TEST TEMPERATURE PRESCRIBED IN U.B.C. STANDARD NO. 7-5 FOR SPECIFIC WALL OR PARTITION.
20. PROVIDE FELT WITH METAL BACKING VIBRATION ISOLATION SLEEVES OR PADS AT ALL PIPE HANGERS OR SUPPORTS AND ALL POINTS WHERE PIPING COMES IN CONTACT WITH ANY PORTION OF THE STRUCTURE. APPLIES TO ALL WATER AND WASTE PIPING.
21. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF EXISTING UTILITIES PRIOR TO STARTING WORK OF THIS SECTION. MAKE REQUIRED ADJUSTMENTS TO CONNECT TO EXISTING UTILITIES. IF INDICATED POINTS OF CONNECTION CANNOT BE MADE TO EXISTING UTILITIES AS FOUND, THE CONTRACTOR SHALL, BEFORE CONTINUING NOTIFY THE ARCHITECT PRIOR TO INSTALLING ANY WORK WHICH MAY BE AFFECTED.
22. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.
23. VALVES SHALL BE NIBCO, JENKINS, WALWORTH, STOCKHAM OR EQUAL. SERVICE PRESSURE SHALL BE SUITABLE FOR SERVICE INTENDED.
24. PROVIDE HANGERS AND SUPPORTS AS REQUIRED. PLUMBERS TAPE AND WIRE ARE NOT ACCEPTABLE.
25. CONTRACTOR SHALL AFFIX A MAINTENANCE LABEL TO ALL EQUIPMENT REQUIRING ROUTINE MAINTENANCE AND SHALL PROVIDE THREE COPIES OF MAINTENANCE AND OPERATING MANUALS TO THE OWNER.
26. CONTRACTOR SHALL ARRANGE FOR AND PAY FOR ALL UTILITY METERS AND UTILITY CONNECTIONS.

* INSULATION FLAME-SPREAD RATING NOT TO EXCEED 25 AND SMOKE DENSITY NOT TO EXCEED 450, WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD 8-1, PER C.B.C. SECT. 707.2

SEISMIC NOTES

(I = 1.15)

ELEMENTARY BUILDING

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

FIXED EQUIPMENT ON GRADE	23% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	35% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON GRADE	46% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCTURE	69% OF OPERATING WEIGHT
FOR FLEXIBLY MOUNTED EQUIPMENT	USE 4x THE ABOVE VALUES
SIMULTANEOUS VERTICAL FORCE	USE 1/3x HORIZONTAL FORCE

FOR EQUIPMENT WEIGHING LESS THAN 400 POUNDS AND WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

(I = 1.0)

MODULAR BUILDINGS

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

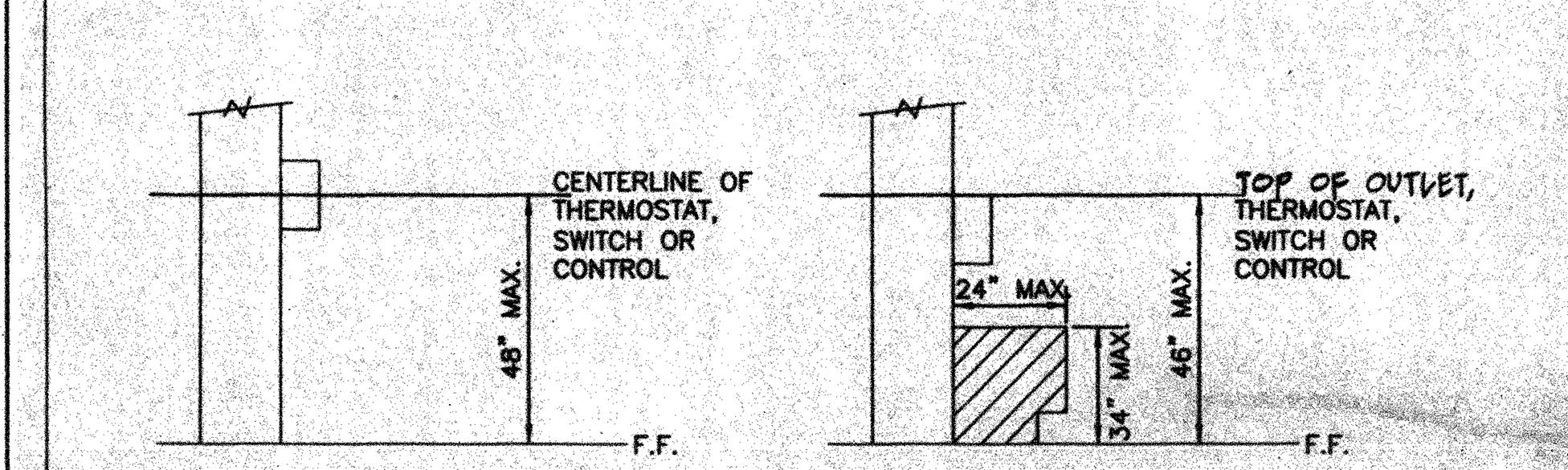
FIXED EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON GRADE	40% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCTURE	60% OF OPERATING WEIGHT
FOR FLEXIBLY MOUNTED EQUIPMENT	USE 4x THE ABOVE VALUES
SIMULTANEOUS VERTICAL FORCE	USE 1/3x HORIZONTAL FORCE

FOR EQUIPMENT WEIGHING LESS THAN 400 POUNDS AND WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

DSA NOTES

1. UNLESS SPECIFIED ON STRUCTURAL/ARCHITECTURAL DRAWINGS, ANY ALTERATIONS OR MODIFICATIONS TO A STRUCTURAL ELEMENT BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL BY STRUCTURAL ENGINEER OF RECORD AND DSA PRIOR START WORK.
2. PIPE AND DUCTS SUPPORTS:

   PROVIDE CALCULATIONS AND DETAILS FOR THE SUPPORT AND BRACING OF ALL PIPES, DUCTS, AND CONDUITS OR SHOW A NOTE ON THE PLANS OR IN THE SPECIFICATIONS REQUIRING THAT PIPES, DUCTS, AND CONDUITS BE SUPPORTED AND BRACED PER OSHPD ANCHORAGE PRE–APPROVAL NO. R–0010, THE SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS", R–0003 THE SUPERSTRUT " SEISMIC RESTRAINT SYSTEM", R–0114 B–LINE SYSTEM, R–0120 UNISTRUT "SEISMIC BRACING SYSTEMS" OR OTHER OSPHD PREAPPROVED SYSTEM. ONCE THE EXACT LOCATION OF ALL PIPES, DUCTS AND CONDUITS HAVE BEEN ESTABLISHED, THE STRUCTURAL ENGINEER MUST CHECK THE ADEQUACY OF THE SUPPORTING STRUCTURE TO ENSURE THAT THE ORIGINAL DESIGN IS STILL ADEQUATE. SEE FOOTNOTES 14 AND 15 TO CBC TITLE 24 PART 2 TABLE 16A–O FOR LIMITATIONS.



MOUNTING HEIGHT OVER OBSTRUCTION

MOUNTING HEIGHT OVER OBSTRUCTION | SCALE: NONE | 1

ACCESSIBLE PLUMBING FIXTURE MOUNTING HEIGHTS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	DSA REQUIREMENTS
WC/	WATER CLOSET KIND & ELEM. STUDENS	15" TO TOP OF SEAT	FLUSH VAVLE HANDLE ON WIDE SIDE OF WATER CLOSET
WC/	WATER CLOSET ADULTS	18–1/4" TO TOP OF SEAT	FLUSH VAVLE HANDLE ON WIDE SIDE OF WATER CLOSET
UR/	URINALS ELEM. STUDENDS	15" TO TOP OF LIP	FLUSH VAVLE @ 37" ABOVE FIN. FLOOR
UR/	URINALS ADULTS	17" TO TOP OF LIP	FLUSH VAVLE @ 44" MAX. ABOVE FIN. FLOOR
LV/	LAVATORIES KINDERGARTEN STUDENTS	24" TO TOP OF RIM	10 SEC. MIN. OPERATION OF SELF–CLOSING VALVE
LV/	LAVATORIES ELEMENTARY STUDENTS	30" TO TOP OF RIM	24" MIN. TO UNDERSIDE OF BOWL APRON. 10 SEC. MIN. OPRATION OF SELF–CLOSING FACETS
LV/	LAVATORY ADULTS	34" TO TOP OF RIM	29" MIN. TO UNDERSIDE OF BOWL APRON, 27" K.S., 8" BACK
DF/	DRINKING FOUNTAINS ELEM. STUDENS	32" TO BUBBLER OUTLET	24" MIN. TO UNDERSIDE OF FOUNTAIN
DF/	ADULT	36" TO BUBBLER OUTLET	27" MIN. TO UNDERSIDE OF FOUNTAIN

STANDARD PLUMBING FIXTURE MOUNTING HEIGHTS

SYMBOL	DESCRIPTION	CONNECTION SIZE						REMARKS
		KIND	ELEM.	JR. HIGH	HIGH	ADULT	MOUNTING HEIGHT	
WC	WATER CLOSET	14"	14"	14"	14"	14"	TOP OF RIM	–
UR	URINALS	–	17"	22"	24"	24"	TOP OF LIP	–
LV	LAVATORIES	26"	29"	32"	34"	34"	TOP OF RIM	–
WS	WASH SINKS	26"	29"	32"	34"	34"	TOP OF RIM	–
SK	SINKS	10"	10"	10"	10"	10"	CTR. OF SUPPLIES(a)	–
DF	DRINKING FOUNTAINS	30" MAX.	32" MAX.	36" MAX.	36"	36"	BUBBLER OUTLET(c)	–
ST	SINK TRIM	–	–	10"	10"	10"	CTR. OF SUPPLIES(a)	–

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

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION SIZE					REMARKS
		TR	W	V	CW	HW	
WC	F.V. WATER CLOSET	INTEGRAL	4"	2"(a)	1"	–	–
UR	F.V. URINAL	INTEGRAL	2"	1–1/2"	3/4"	–	–
LV	LAVATORY	(b)	2"	1–1/2"	1/2"	1/2"(c) (d)	–
WS	WASH SINK	1–1/2"	2"	1–1/2"	1/2"	1/2"(c) (d)	–
SK	SINK	1–1/2" (a)	2"(a)	1–1/2" (a)	1/2"	1/2"(c) (d)	–
DF	DRINKING FOUNTAIN	1–1/2"	2"	1 1/2"	1/2"	–	–
ST	SINK TRIM	1–1/2" (a)	2"(a)	1–1/2" (a)	1/2"	1/2"(c) (d)	–

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

DSA APPROVALS

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4 APPL #04-101569
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DATE JAN 0 5 2000

9/10/99 DSA PLAN REVIEW SUBMITTAL

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265–9720

PROFESSIONAL ENGINEER — SEVERSON — No. 27963 — Exp. 6/00 — MECHANICAL — STATE OF CALIFORNIA

LICENSED ARCHITECT — JAY R. TITTLE — NO. 12955 — REN. 11-30-99 — STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora San Diego Auburn

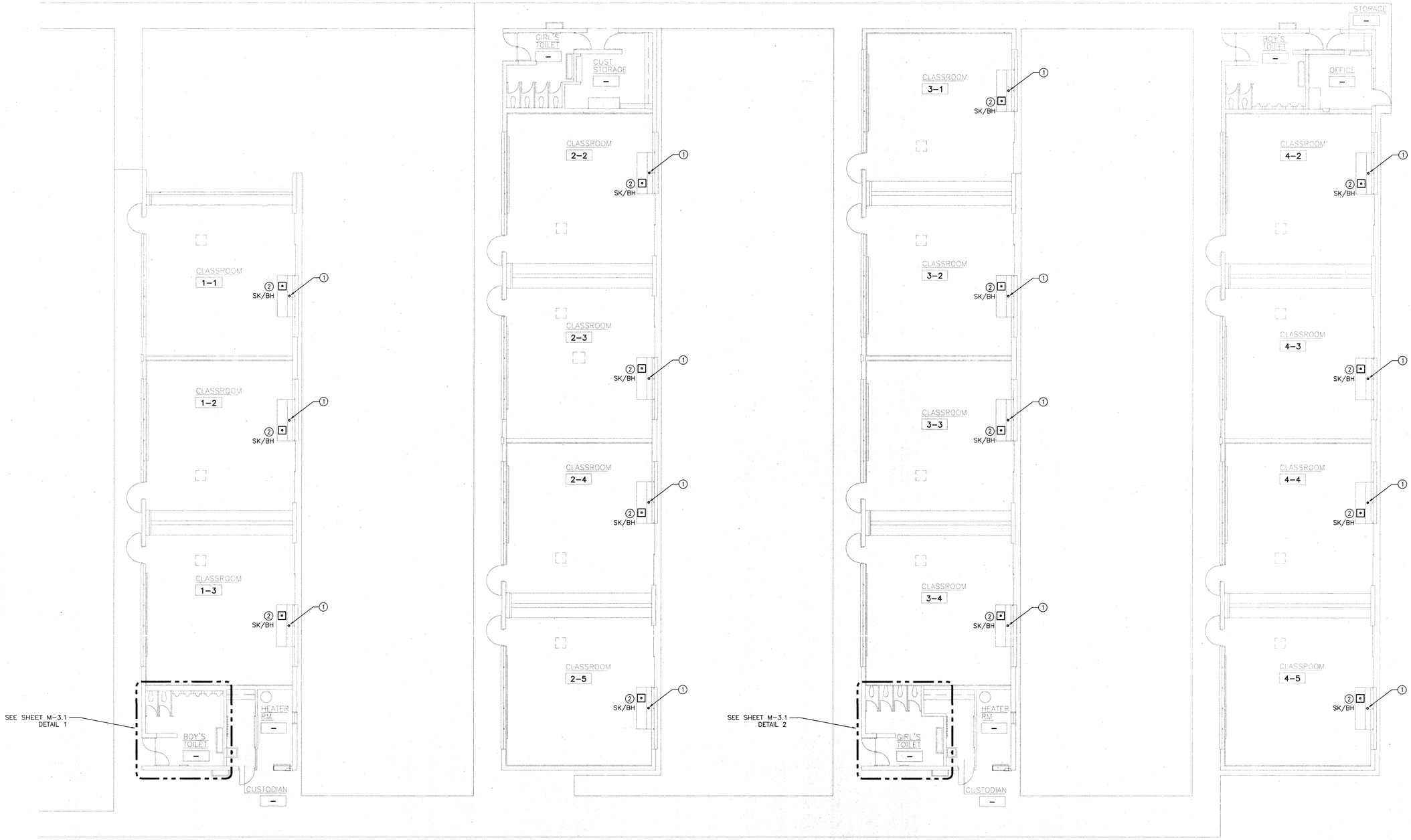
ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

MECHANICAL SYMBOLS, NOTES AND SCHEDULES

DATE	JOB NO.	DRAWN	CHECKED
9/10/99	98189	CADD	DE

SHEET OF

M-0.1



BUILDING C4 CLASSROOM

BUILDING C3 CLASSROOM

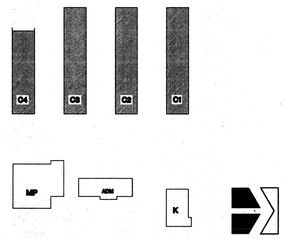
BUILDING C2 CLASSROOM

BUILDING C1 CLASSROOM

REFERENCE NOTES:

1. EXISTING 1 1/2" VENT TO REMAIN.
2. EXISTING SINK AND TRIM TO BE REPLACED; PROVIDE COLD WATER CONNECTION FROM EXISTING 3/4" COLD WATER UNDER COUNTER; PROVIDE WASTE AND VENT CONNECTION TO EXISTING 1 1/2" VENT AND 2" WASTE UNDER COUNTER.

KEY PLAN



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MECHANICAL FLOOR PLANS - CLASSROOMS C1, C2, C3 & C4 BUILDINGS

SCALE 1/8 " = 1'-0"

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Glendora ◦San Diego ◦ Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
MECHANICAL FLOOR PLANS - C1, C2, C3 & C4 BLDGS

DATE 9/10/99
JOB NO. 98189
DRAWN CADD
CHECKED DE

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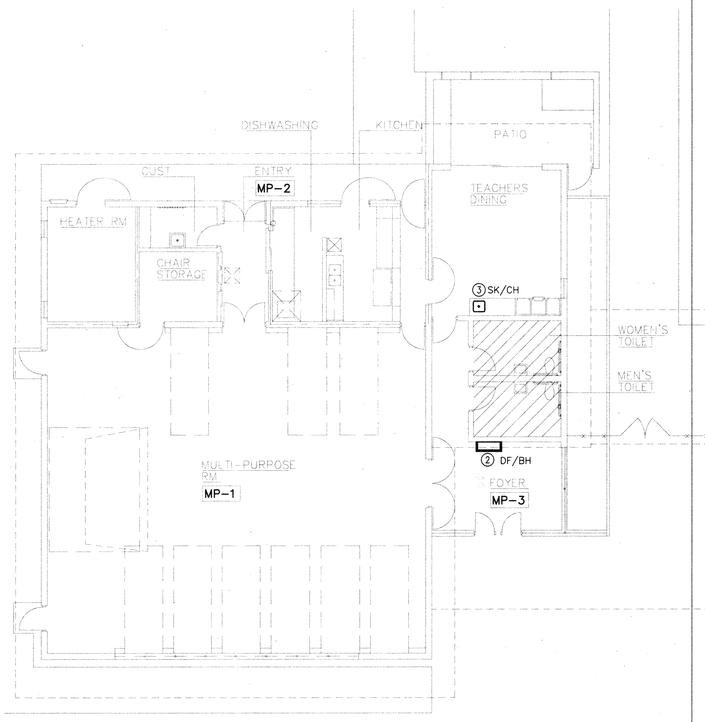
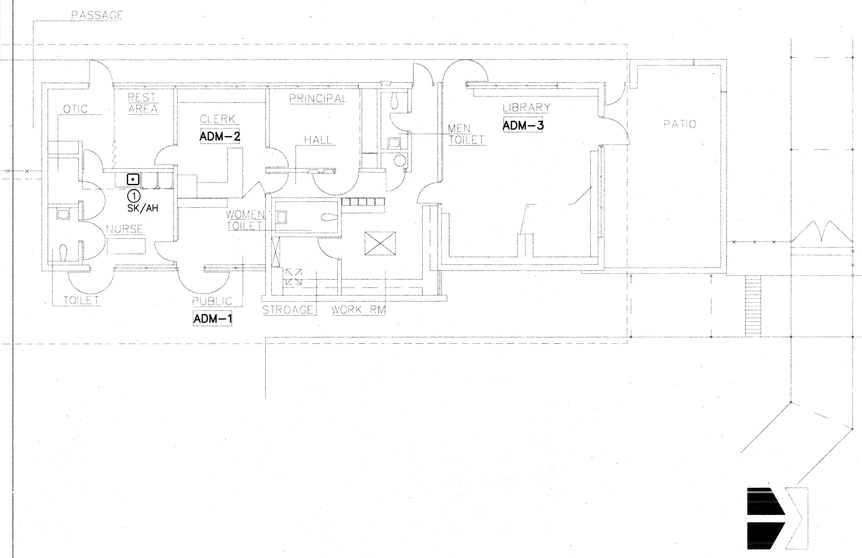
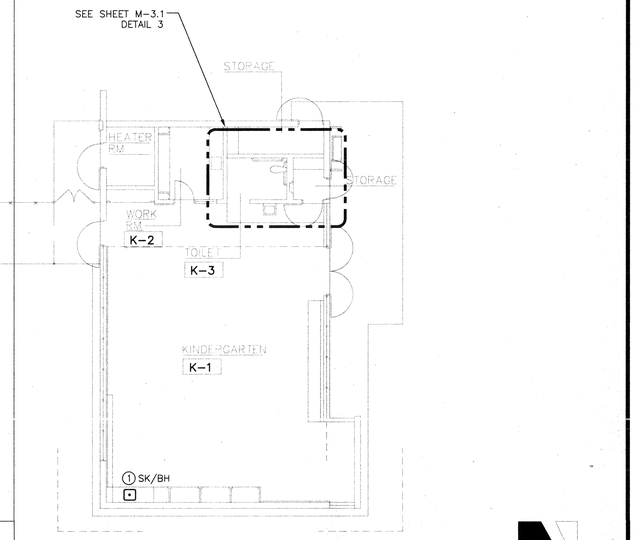
M-2.1



MECHANICAL FLOOR PLAN- MULTI PURPOSE BUILDING | SCALE 1/8 " = 1'-0"



MECHANICAL FLOOR PLAN - ADMINISTRATION BUILDING | SCALE 1/8 " = 1'-0"

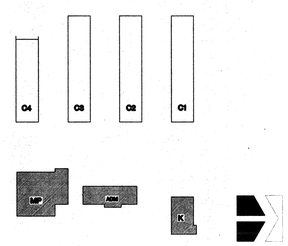


MECHANICAL FLOOR PLAN - KINDERGARTEN BUILDING | SCALE 1/8 " = 1'-0"

REFERENCE NOTES:

1. EXISTING SINK AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT, HOT AND COLD WATER FOR NEW SINK ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
2. EXISTING DRINKING FOUNTAIN AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT, HOT AND COLD WATER FOR NEW DRINKING FOUNTAIN ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
3. EXISTING SINK AND TRIM, GARBAGE DISPOSER TO BE REPLACED; OFFSET EXISTING WASTE, VENT, HOT AND COLD WATER FOR NEW SINK ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).

KEY PLAN



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Glendora . San Diego . Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
MECHANICAL FLOOR PLANS - MP, ADM & K BLDGS

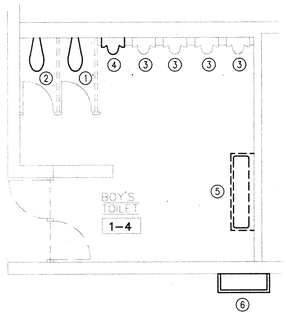
DATE	JOB NO.	DRAWN	CHECKED
9/10/99	98169	CADD	DE

SHEET OF

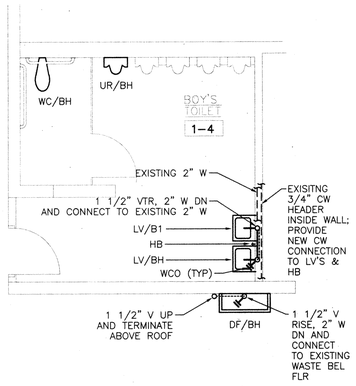
M-2.2

REFERENCE NOTES:

1. EXISTING WATER CLOSET AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
2. EXISTING WATER CLOSET AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW WATER CLOSET ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
3. EXISTING URINAL AND TRIM TO REMAIN.
4. EXISTING URINAL AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW URINAL ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
5. EXISTING WASH SINK AND TRIM, HOSE BIBB TO BE REMOVED; WASTE TO BE CAPPED BELOW FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
6. EXISTING DRINKING FOUNTAIN AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE AND WATER FOR NEW DRINKING FOUNTAIN ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING). PROVIDE NEW VENT AS INDICATED ON FLOOR PLAN.



DEMOLITION PLAN



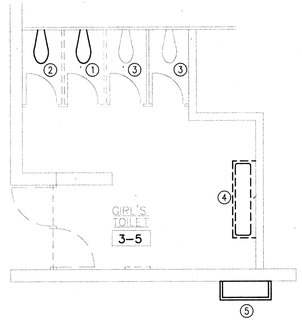
FLOOR PLAN

ENLARGED BOYS' TOILET PLAN - BLDG 1

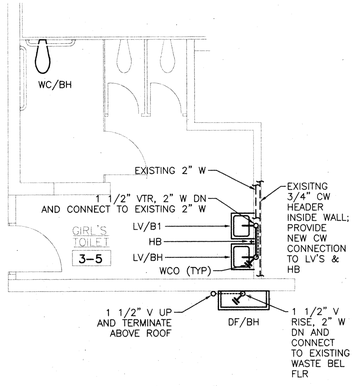
SCALE 1/4" = 1'-0" (1)

REFERENCE NOTES:

1. EXISTING WATER CLOSET AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
2. EXISTING WATER CLOSET AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW WATER CLOSET ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
3. EXISTING WATER CLOSET AND TRIM TO REMAIN.
4. EXISTING WASH SINK AND TRIM, HOSE BIBB TO BE REMOVED; WASTE TO BE CAPPED BELOW FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
5. EXISTING DRINKING FOUNTAIN AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE AND WATER FOR NEW DRINKING FOUNTAIN ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING). PROVIDE NEW VENT AS INDICATED ON FLOOR PLAN.



DEMOLITION PLAN



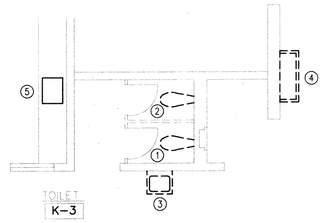
FLOOR PLAN

ENLARGED GIRLS' TOILET PLAN - BLDG 3

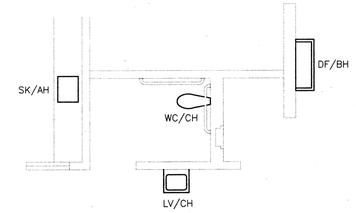
SCALE 1/4" = 1'-0" (2)

REFERENCE NOTES:

1. EXISTING WATER CLOSET AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT AND WATER TO BE CAPPED ABOVE CEILING.
2. EXISTING WATER CLOSET AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW WATER CLOSET ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
3. EXISTING LAVATORY AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW LAVATORY ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).
4. EXISTING DRINKING FOUNTAIN AND TRIM TO BE REMOVED; WASTE TO BE CAPPED UNDER FLOOR; VENT, HOT AND COLD WATER TO BE CAPPED ABOVE CEILING.
5. EXISTING SINK AND TRIM TO BE REPLACED; OFFSET EXISTING WASTE, VENT AND WATER FOR NEW SINK ROUGH-IN DIMENSION (REFER TO ARCHITECTURAL DRAWING).



DEMOLITION PLAN



FLOOR PLAN

ENLARGED TOILET PLAN - BLDG K

SCALE 1/4" = 1'-0" (3)

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Glendora ◦San Diego ◦Auburn

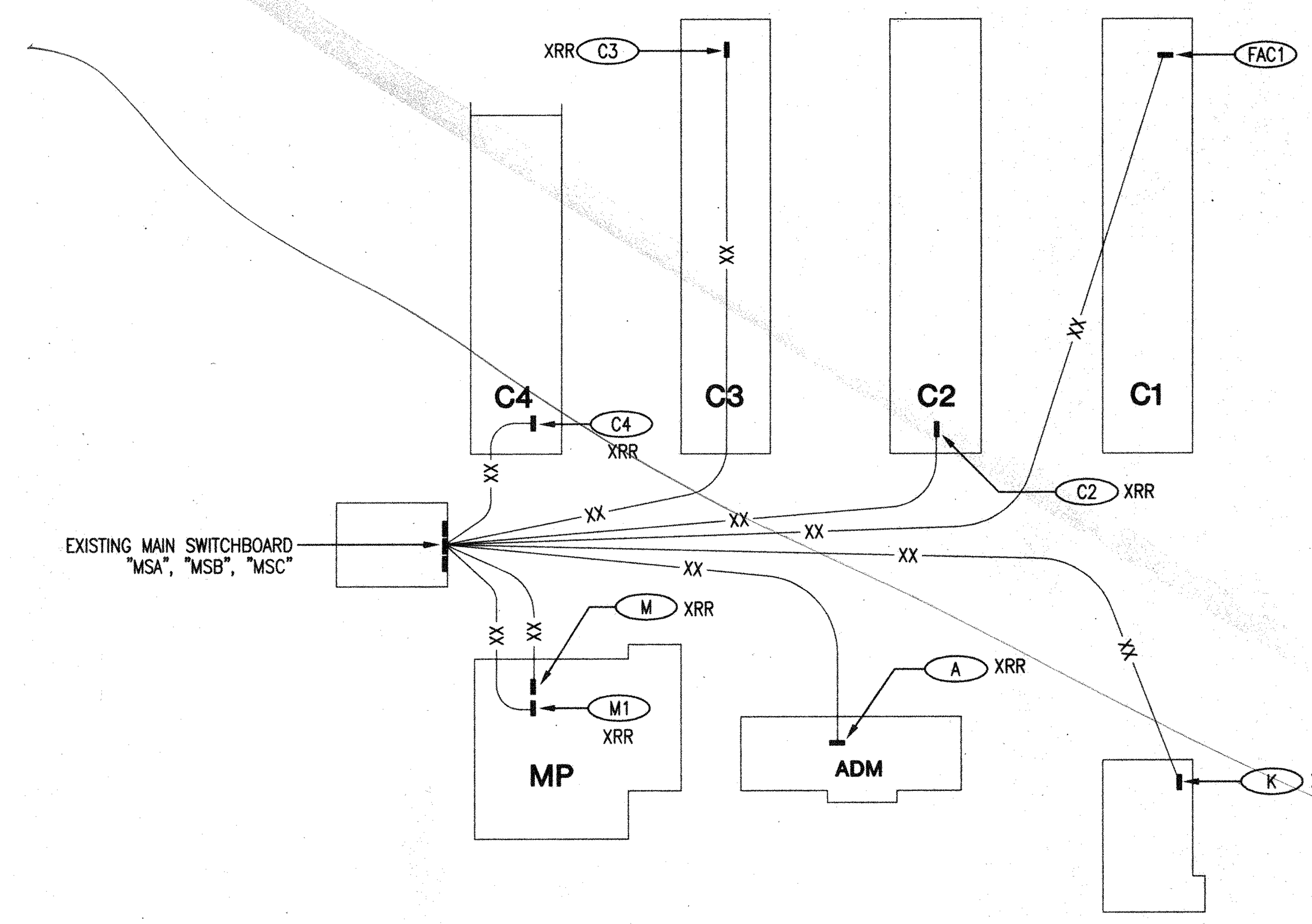
ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

DATE 9/10/99
JOB NO. 98189
DRAWN CADD
CHECKED DE

MECHANICAL ENLARGED FLOOR PLANS

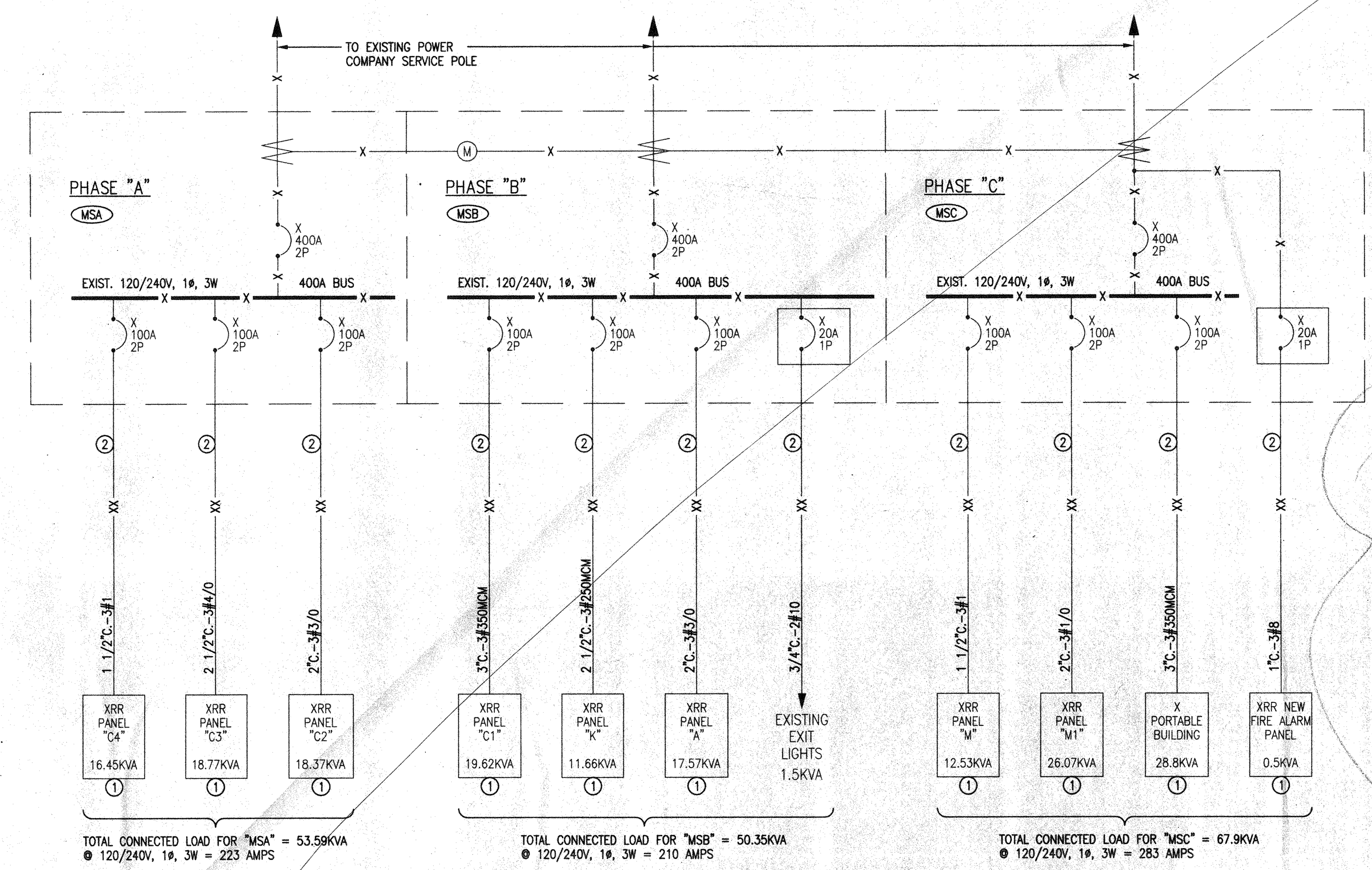
SHEET OF

M-3.1



B E-1.1 **POWER SITE PLAN**
SCALE: 1"=80'-0"

NORTH



A E-1.1 **PARTIAL SINGLE LINE DIAGRAM**
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS NO.	LAMPS WATT	LAMPS TYPE	TOTAL VA.	DESRIPTION	MANUFACTURER
A	3	32	F32	98	2'X4' RECESSED FLUORESCENT TROFFER WITH REGRESS WHITE FINISHED ALUMINUM, HINGE AND POSITIVE SPRING LOADED LATCH DOOR, CLEAR PRISMATIC ACRYLIC LENS, BAKED WHITE ENAMEL FINISH AND ONE 3-LAMP ELECTRONIC BALLAST.	LITHONIA SP SERIES 2SP-G-3-32-RW-A12-120 OR APPROVED EQUAL.
A1	3	32	F32	98	SAME AS TYPE "A" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2SP-G-3-32-RW-A12-120-EL
A2	3	32	F32	98	SAME AS TYPE "A" EXCEPT SURFACE MOUNTED.	LITHONIA 2M-3-32-A12-120-EL
B	2	32	T8	62	1'x4' SURFACE MOUNTED FIXTURE WITH TAMPERPROOF HIGH IMPACT CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONIC BALLAST.	LITHONIA AW 232 AR 120 GEB OR APPROVED EQUAL.
A2E	3	32	F32	98	SAME AS TYPE "A2" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2M-3-32-A12-120-EL
A3	2	17	T8	60	SAME AS TYPE "A2" EXCEPT 2'X2' SURFACE MOUNTED.	LITHONIA 2M-2-17-A12-120
C	4	32	T8	124	1'x8' SURFACE MOUNTED FIXTURE WITH TAMPERPROOF HIGH IMPACT CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONIC BALLAST.	LITHONIA AW 432 AR 120 GEB OR APPROVED EQUAL.
A3E	2	17	T8	60	SAME AS TYPE "A3" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2M-2-17-A12-120-EL
D	2	13	COMPACT FLUOR. TT	32	SURFACE MOUNTED DRUM LIGHT	PRESCOLITE #9458
E	1	100	INCAND.	100	RECESSED MOUNTED INCANDESCENT DOWNLIGHT GOTHAM A SERIES WITH 5" APERTURE, CLEAR REFLECTOR COLOR AND SPECULAR LOW IRIDESCENT FINISH.	LITHONIA GOTHAM SERIES A A 5AR OR APPROVED EQUAL.
F	1	150	PAR 38	150	INCANDESCENT TRACK LIGHT GOTHAM TRACK SERIES TP 38	LITHONIA GOTHAM TRACK SERIES TP 38 OR APPROVED EQUAL.
G	1	70	HPS	100	WALL MOUNTED EXTERIOR LIGHTING FIXTURE SERIES HV WITH HIGH ABUSE CAST ALUMINUM SURFACE LUMINAIRES AND HIGH PRESSURE SODIUM LAMP.	FAIL SAFE HVV-70S-120-OPL OR APPROVED EQUAL.
X	1	LED		7.4	EXIT SIGN	

LIGHTING FIXTURE SCHEDULE NOTES:

1. VERIFY VOLTAGE OF ALL FIXTURES WITH CIRCUITING SHOWN PRIOR TO BID AND SHOP DRAWING SUBMITTAL.
2. 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.
3. ALL RECESSED LIGHTING FIXTURES SHALL BE COMPATIBLE FOR MOUNTING IN ASSOCIATED CEILING. PROVIDE NECESSARY MOUNTING HARDWARE AS REQUIRED FOR EACH CEILING TYPE.

GENERAL NOTES:

1. PROVIDE RELAY PACKS, MISCELLANEOUS INTERFACE HARDWARE AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING LIGHTING CONTROL SYSTEM (OCCUPANCY SENSORS, OR OCCUPANCY SENSORS AND SWITCHING DEVICES)
2. LIGHTING SWITCHING DEVICES (SWITCHES AND DIMMERS TO BE CONNECTED IN SERIES WITH OCCUPANCY SENSOR SYSTEM
3. COORDINATE WITH THE WATTSTOPPER REPRESENTATIVE MR. JIM SPARLING (TELEPHONE # 714 262-9237 OR 1-800-879-8585 PRIOR TO PURCHASE AND INSTALLATION OF MOTION SENSOR DEVICES & HARDWARE

PARTIAL SINGLE LINE DIAGRAM REFERENCE NOTES:

(1) CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PANELBOARD AND PROVIDE NEW TO MATCH EXISTING IN ALL ASPECTS, IN RATING, MOUNTING, SIZE AND QUANTITY. THE REMAINING 20A-1P CIRCUIT BREAKERS SHALL BE SPARE. EXTEND ALL EXISTING CONDUIT AND NEW WIRES TO NEW PANELBOARD LOCATION. PROVIDE NEW PANELBOARD AS FOLLOWS:
100A BUS, M.L.O. – PROVIDE 30 BRANCH CIRCUIT BREAKERS
200A BUS, M.L.O. – PROVIDE 42 BRANCH CIRCUIT BREAKERS

(2) CONTRACTOR SHALL PULL OUT EXISTING CONDUCTORS AND PULL IN NEW CONDUCTORS PLUS NEW GROUND AS PER NEC CODE.

NOTES:

1. ALL WIRE SIZES SHOWN ARE BASED ON 600V. TYPE THHN/THWN CU.
2. SEE SHEET SITE PLAN FOR LOCATION OF EXISTING DISTRIBUTION EQUIPMENT.
3. PANELBOARD CIRCUIT BREAKERS SHALL HAVE A MINIMUM AIC RATING OF 10,000A. (SYM.).
4. GROUNDING TEST SHALL BE WITNESSED BY SITE INSPECTOR.
5. EXISTING SERVICE HAS BEEN INVESTIGATED AND HAS ADEQUATE CAPACITY FOR NEW ADDED LOAD.

8183-15.2

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04 101569
AC ELS SS
DATE JAN 05 2000

SYMBOLS LIST

- EXIT LIGHT, WALL OR CEILING MOUNTED, SEE LIGHTING FIXTURE SCHEDULE
  SHADED PORTION INDICATES EXIT SIGN
  FACE AND ARROW INDICATES DIRECTION
- (A/98) LIGHTING FIXTURE DESIGNATION: "A" INDICATES FIXTURE: SEE LIGHTING FIXTURE SCHEDULE. "98" INDICATES TOTAL WATTAGE.
- 125 VOLT, 2P, 3W, 15 AMP NEMA 5-15R GROUNDING TYPE DUPLEX CONVENIENCE RECEPTACLE VERTICALLY MOUNTED AT +18" U.O.N.
- 125 VOLT, 2P. 3W. 15 AMP RATED ISOLATED GROUND TYPE DUPLEX COMPUTER RECEPTACLE, ORANGE COLOR (WITH ONE (1) INSULATED GND. WIRE FOR EACH CIRCUIT), FLUSH WALL MTD. AT +18" MFR. PASS & SEYMOUR #IG9200-HG AND HUBBELL #IG5262H
- S TOGGLE SWITCH, +4'-0" TO TOP
  SUFFIXES ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING:
  NO SUFFIX = SINGLE POLE
  2 = 2 POLE
  3 = 3 WAY 4 = 4 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
- WIREMOLD 4000 SERIES METAL RACEWAY WITH FITTINGS & OUTLETS 24" ON CENTER
- JUNCTION BOX WALL MOUNTED AT +18" U.O.N.
- JUNCTION BOX 4-11/16" SQ. X 2-1/8" DEEP MOUNTED ABOVE ACCESSIBLE CEILING
- (LA) PANELBOARD OR SWITCHBOARD DESIGNATION
- FLUSH MOUNTED PANEL, +6'-6" TO TOP, U.O.N.
- SURFACE MOUNTED PANEL, +6'-6" TO TOP, U.O.N.
- TRANSFORMER, SEE SINGLE LINE DIAGRAM
- CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM
- MOTOR OUTLET
- DISCONNECT SWITCH, SIZE NUMBER OF POLES AND FUSE RATING AS INDICATED.
- GROUNDING ELECTRODE, SEE SINGLE LINE DIAGRAM
- A-1,3 CONDUIT HOMERUN TO PANEL "A"; CIRCUITS 1,3
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
- CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT RUN EXPOSED
- CONDUIT STUB-OUT, CAPPED
- CONDUIT UP
- CONDUIT DOWN
- FLEXIBLE CONDUIT
- C 1/2"C. 6#14 FOR CLOCK SYSTEM WIRING.
- T 1/2"C. 1#22 5 CONDUCTOR CABLE FOR TELEPHONE SYSTEM WIRING.
- FA SEE FIRE ALARM RISER DIAGRAM FOR CONDUIT AND WIRE FILL.
- S 1/2"C.O. FOR SECURITY SYSTEM WIRING.
- 1/2"C. 2#12 — 1/2"C. 5#12
- 1/2"C. 3#12 — 3/4"C. 6#10
- 1/2"C. 4#12 — 3/4"C. 7#10
- W WIREMOLD SIZE AS PER NEC CODE
- FLUSH MOUNTED TELEPHONE OUTLET MTD. AT + 18" WITH 3/4"C.O. STUBBED INTO CEILING SPACE ABOVE.
- FLUSH MOUNTED DATA OUTLET MTD. AT + 18" WITH 3/4"C.O. STUBBED INTO CEILING SPACE ABOVE.
- XW LOCATED IN CONDUIT RUN INDICATES REMOVE EXISTING WIRE AND REINSTALL NEW WIRE. HASH MARKS INDICATE NUMBER AND SIZE OF WIRES AS SHOWN ABOVE.
- X ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO REMAIN.
- XR ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE REMOVED.
- XRR ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE REMOVED AND REPLACED WITH NEW DEVICE SHOWN.
- XX IN CONDUIT RUN INDICATES EXISTING CONDUIT RUN TO BE REWIRED. PULL OUT EXISTING WIRES AND INSTALL NEW WIRES, QUANTITY AS INDICATED BY HASH MARKS.

MOTION SENSOR SYMBOLS

- W – 2000A
- W – 2000H
- W – 1000A
- W – 500A
- WI – 200
- CI – 200
- POWER PACK
- SLAVE PACK

SEE SHEET E-2.3 FOR FIRE ALARM SYMBOLS

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
AS	AMPERE SWITCH	AF	AMPERE FUSE

NOTES:

1. THE ELECTRICAL DRAWINGS INDICATE NEW WORK. EXISTING ELECTRICAL ARE NOT SHOWN EXCEPT WHERE INTERFACING IS REQUIRED.
2. CONSULT WITH THE DISTRICT'S ELECTRICAL INSPECTOR BEFORE STARTIN
3. THE ELECTRICAL PLANS ARE DEVELOPED FROM AS-BUILT DRAWINGS. TOR IS RESPONSIBLE TO PROVIDE CIRCUIT CONTINUITY FOR A WORKABL
4. EACH EMPTY CONDUIT SHALL HAVE A PULL CORD INSTALLED IN IT.
5. ALL ELECTRICAL SYMBOLS SHOWN ON SCHEDULES ARE NOT NECESSARI THIS PROJECT.
6. VERIFY EXACT LOCATION OF ALL EXISTING ELECTRICAL SWITCHGEAR, SIG CABINETS (TEL/INTERCOM, F.A.,CABLE TV., AND SECURITY) PRIOR TO BI INSTALLATION AND NOTIFY SCHOOL DISTRICT OF ANY DISCREPANCY WITH PLANS.
7. EACH PANELBOARD SHALL BE GROUNDED WITH A 3/4" X 10' LONG CC GROUND ROD. GROUND ROD SHALL EXTEND 6" ABOVE FINISH GRADE.

THIS IS A COMPLETE FIRE ALAR

9/10/99 DSA PLAN REVIEW SUBMITTAL

PROFESSIONAL ENGINEER ARTHUR T. OWEN No. 13592 Exp. 6/30/03 REGISTERED STATE OF CALIFORNIA

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
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LICENSED ARCHITECT JAY R. TITTLE NO. 12955 REN. 11-30-99 STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora o San Diego o Auburn

ERATIONS TO
ROEDER ELEMENTARY SCHOOL
MINSTER SCHOOL DISTRICT
MINSTER, CALIFORNIA
LS LIST, SCHEDULE AND LIGHTING COMPLIANCES

GENERAL NOTES:

1. PROVIDE RELAY PACKS, MISCELLANEOUS INTERFACE HARDWARE AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING LIGHTING CONTROL SYSTEM (OCCUPANCY SENSORS, OR OCCUPANCY SENSORS AND SWITCHING DEVICES)
2. LIGHTING SWITCHING DEVICES (SWITCHES AND DIMMERS TO BE CONNECTED IN SERIES WITH OCCUPANCY SENSOR SYSTEM
3. COORDINATE WITH THE WATTSTOPPER REPRESENTATIVE MR. JIM SPARLING (TELEPHONE # 714 262-9237 OR 1-800-879-8585 PRIOR TO PURCHASE AND INSTALLATION OF MOTION SENSOR DEVICES & HARDWARE
4. PANELBOARDS SHALL BE REPLACED WITH "INTERIOR KITS" WHEREVER POSSIBLE. IF UPSIZING OF NEW PANELS PROHIBITS THE USE OF "INTERIOR KITS" THEN SHEET NOTE 3 ON LIGHTING DRAWINGS SHALL APPLY.
5. PANELBOARDS SHALL BE REPLACED WITH "INTREIOR KITS" WHEREVER POSSIBLE. IF UP SIGNING OF NEW PANELS PROHIBITS THE USE OF "INTERIOR KITS" THEN SHEET NOTE 3 ON LIGHTING DRAWINGS SHALL APPLY.

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REGISTERED PROFESSIONAL ENGINEER
No. 13592
Exp. 06/30/03
ELECTRICAL

SCALE: NONE	ADDENDUM NO. 2	DSA#: 04-101569	FILE#: 30-43
SYMBOLS, SCHEDULE, & LTNG COMPLIANCES			DATE: 10/23/01
NTD ARCHITECTS 8905 Fourth Ave, Suite 204 Stanton, CA 90274 (714) 761-1800	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB 98189
			E-1.1 REFERENCE

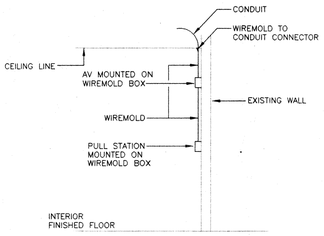
AD2-3

3.6 SHEET E-1.1 - ADD. NO. 2

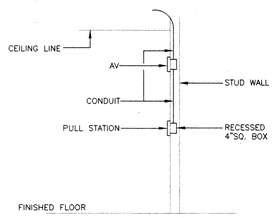
6. **ADDENDUM DRAWING AD2-3** is issued with this Addendum #2 to show the following:
   a) CHANGE Bldg. designations C-4 to 1, C-3 to 2, C-2 to 3, and C-1 to 4.
   b) ADD General Notes #4 and #5.

3.7 SHEET E-1.1 - ADD. NO. 3

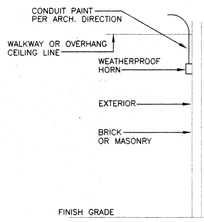
15. CHANGE General Note #4 to refer to Note #1 on Sheet E-2.1.1.
16. CHANGE General Note #5 and ADD new Notes #6 and #7 to read as follows:
    "5. Remove all existing switch(es) and provide a new single switch to ADA requirements in all areas affected by modernization.
    "6. The intent of the lighting drawings is for the contractor to reuse existing conduits wherever possible when conductors cannot be removed, provide new conduit, wire and all necessary connections to match existing conditions.
    "7. There shall be no roof penetrations unless authorized by the Architect."



DETAIL A

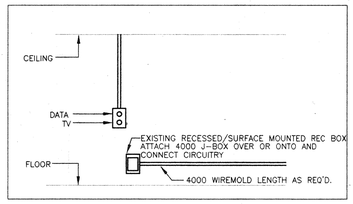


DETAIL B

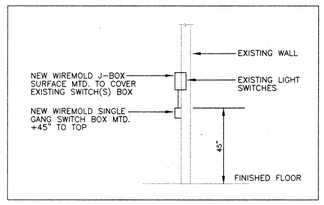


DETAIL C

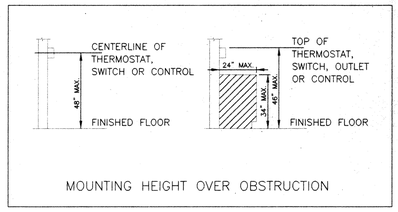
(E) FIRE ALARM INSTALLATION DETAILS
(E-1.1) SCALE: NONE



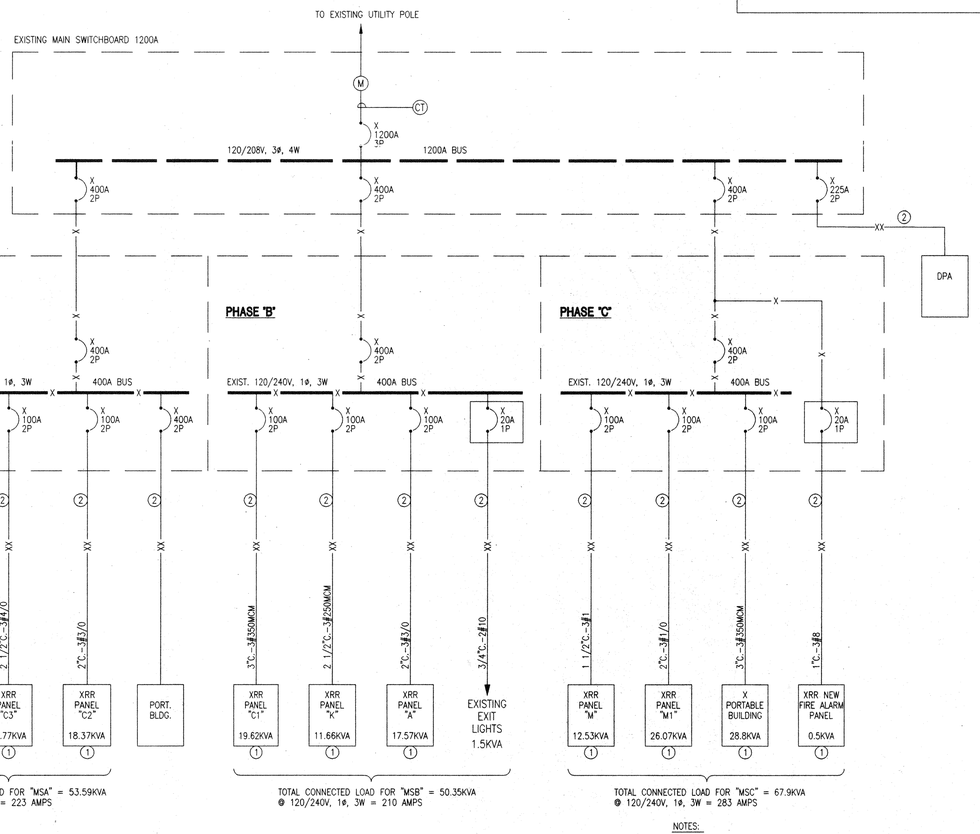
(D) TYPICAL CLASSROOM WIREMOLD LAYOUT
(E-1.1) SCALE: NONE



(C) ADA SWITCH DETAIL
(E-1.1) SCALE: NONE



MOUNTING HEIGHT OVER OBSTRUCTION



(A) PARTIAL SINGLE LINE DIAGRAM
(E-1.1) NOT TO SCALE

NOTES:
1. ALL WIRE SIZES SHOWN ARE BASED ON 600V. TYPE THHN/THWN CU.
2. SEE SHEET SITE PLAN FOR LOCATION OF EXISTING DISTRIBUTION EQUIPMENT.
3. PANELBOARD CIRCUIT BREAKERS SHALL HAVE A MINIMUM AIC RATING OF 10,000A. (SYM.).
4. GROUNDING TEST SHALL BE WITNESSED BY SITE INSPECTOR.
5. EXISTING SERVICE HAS BEEN INVESTIGATED AND HAS ADEQUATE CAPACITY FOR NEW ADDED LOAD.

ADD.NO.3 ITEM 3.7

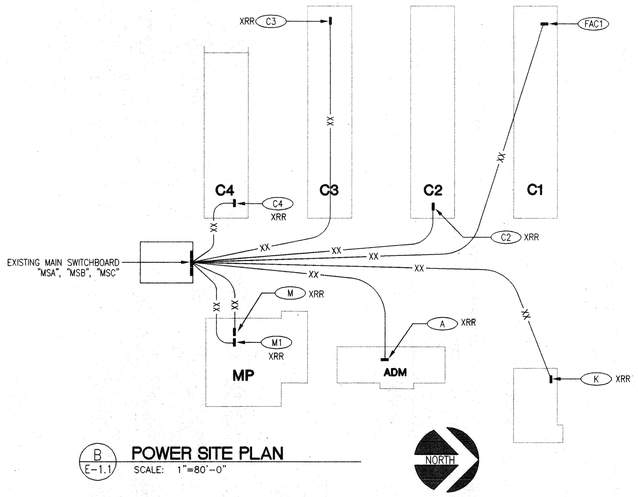
4.
5.
6.
7.

LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS NO.	LAMPS WATT	LAMPS TYPE	TOTAL VA.	DESRIPTION	MANUFACTURER
A	3	32	F32	98	2'X4' RECESSED FLUORESCENT TROFFER WITH REGRESS WHITE FINISHED ALUMINUM, HINGE AND POSITIVE SPRING LOADED LATCH DOOR, CLEAR PRISMATIC ACRYLIC LENS, BAKED WHITE ENAMEL FINISH AND ONE 3-LAMP ELECTRONIC BALLAST.	LITHONIA SP SERIES 2SP-G-3-32-RW-A12-120 OR APPROVED EQUAL.
A1	3	32	F32	98	SAME AS TYPE "A" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2SP-G-3-32-RW-A12-120-EL
A2	3	32	F32	98	SAME AS TYPE "A" EXCEPT SURFACE MOUNTED.	LITHONIA 2M-3-32-A12-120-EL
B	2	32	T8	62	1'x4' SURFACE MOUNTED FIXTURE WITH TAMPERPROOF HIGH IMPACT CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONIC BALLAST.	LITHONIA AW 232 AR 120 GEB OR APPROVED EQUAL.
A2E	3	32	F32	98	SAME AS TYPE "A2" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2M-3-32-A12-120-EL
A3	2	17	T8	60	SAME AS TYPE "A2" EXCEPT 2'X2' SURFACE MOUNTED.	LITHONIA 2M-2-17-A12-120
C	4	32	T8	124	1'x8' SURFACE MOUNTED FIXTURE WITH TAMPERPROOF HIGH IMPACT CLEAR ACRYLIC WRAPAROUND LENS, HINGED AND LATCHED FROM EITHER SIDE, BAKED WHITE ENAMEL FINISH AND ELECTRONIC BALLAST.	LITHONIA AW 432 AR 120 GEB OR APPROVED EQUAL.
A3E	2	17	T8	60	SAME AS TYPE "A3" EXCEPT PROVIDE EMERGENCY BATTERY PACK WITH 1100 LUMEN & 90 MINUTES MINIMUM.	LITHONIA 2M-2-17-A12-120-EL
D	2	13	COMPACT FLUOR. TT	32	SURFACE MOUNTED DRUM LIGHT	PRESCOLITE #9458
E	1	100	INCAND.	100	RECESSED MOUNTED INCANDESCENT DOWNLIGHT GOTHAM A SERIES WITH 5" APERTURE, CLEAR REFLECTOR COLOR AND SPECULAR LOW IRIDESCENT FINISH.	LITHONIA GOTHAM SERIES A A 5AR OR APPROVED EQUAL.
F	1	150	PAR 38	150	INCANDESCENT TRACK LIGHT GOTHAM TRACK SERIES TP 38	LITHONIA GOTHAM TRACK SERIES TP 38 OR APPROVED EQUAL.
G	1	70	HPS	100	WALL MOUNTED EXTERIOR LIGHTING FIXTURE SERIES HV WITH HIGH ABUSE CAST ALUMINUM SURFACE LUMINAIRES AND HIGH PRESSURE SODIUM LAMP.	FAIL SAFE HVV-70S-120-QPL OR APPROVED EQUAL.
X	1	LED		7.4	EXIT SIGN	

LIGHTING FIXTURE SCHEDULE NOTES:
1. VERIFY VOLTAGE OF ALL FIXTURES WITH CIRCUITING SHOWN PRIOR TO BID AND SHOP DRAWING SUBMITTAL.
2. 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.
3. ALL RECESSED LIGHTING FIXTURES SHALL BE COMPATIBLE FOR MOUNTING IN ASSOCIATED CEILING. PROVIDE NECESSARY MOUNTING HARDWARE AS REQUIRED FOR EACH CEILING TYPE.

GENERAL NOTES:
1. PROVIDE RELAY PACKS, MISCELLANEOUS INTERFACE HARDWARE AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING LIGHTING CONTROL SYSTEM (OCCUPANCY SENSORS, OR OCCUPANCY SENSORS AND SWITCHING DEVICES)
2. LIGHTING SWITCHING DEVICES (SWITCHES AND DIMMERS TO BE CONNECTED IN SERIES WITH OCCUPANCY SENSOR SYSTEM
3. COORDINATE WITH THE WATTSTOPPER REPRESENTATIVE MR. JIM SPARLING (TELEPHONE # 714 262-9237 OR 1-800-879-8585 PRIOR TO PURCHASE AND INSTALLATION OF MOTION SENSOR DEVICES & HARDWARE



(B) POWER SITE PLAN
(E-1.1) SCALE: 1"=80'-0"

3.6 SHEET E-1.1 -

16. ADDENDUM DRAWING AD1-9 is issued with this Addendum #1 to show:
   a. Revised "wiremold" symbols list.
   b. Revised partial single lines diagram.
   c. Revised and added details.

PARTIAL SINGLE LINE DIAGRAM REFERENCE NOTES:
(1) CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PANELBOARD AND PROVIDE NEW TO MATCH EXISTING IN ALL ASPECTS, IN RATING, MOUNTING, SIZE AND QUANTITY. THE REMAINING 20A-1P CIRCUIT BREAKERS SHALL BE SPARE. EXTEND ALL EXISTING CONDUIT AND NEW WIRES TO NEW PANELBOARD LOCATION. PROVIDE NEW PANELBOARD AS FOLLOWS:
100A BUS, M.L.O. – PROVIDE 30 BRANCH CIRCUIT BREAKERS
200A BUS, M.L.O. – PROVIDE 42 BRANCH CIRCUIT BREAKERS

(2) CONTRACTOR SHALL PULL OUT EXISTING CONDUCTORS AND PULL IN NEW CONDUCTORS PLUS NEW GROUND AS PER NEC CODE.

ADD.NO.3 ITEM NO.3.7

SYMBOLS LIST

- EXIT LIGHT, WALL OR CEILING MOUNTED, SEE LIGHTING FIXTURE SCHEDULE. SHADED PORTION INDICATES EXIT SIGN FACE AND ARROW INDICATES DIRECTION
- (A/98) LIGHTING FIXTURE DESIGNATION: "A" INDICATES FIXTURE: SEE LIGHTING FIXTURE SCHEDULE. "98" INDICATES TOTAL WATTAGE.
- 125 VOLT, 2P, 3W, 15 AMP NEMA 5-15R GROUNDING TYPE DUPLEX CONVENIENCE RECEPTACLE VERTICALLY MOUNTED AT +18" U.O.N.
- 125 VOLT, 2P, 3W, 15 AMP RATED ISOLATED GROUND TYPE DUPLEX COMPUTER RECEPTACLE, ORANGE COLOR (WITH ONE (1) INSULATED GND. WIRE FOR EACH CIRCUIT), FLUSH WALL MTD. AT +18" MFR. PASS & SEYMOUR #IG9200-HG AND HUBBELL #IG5262H
- S — TOGGLE SWITCH, +4'-0" TO TOP. SUFFIXES ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING: NO SUFFIX = SINGLE POLE; 2 = 2 POLE; 3 = 3 WAY; 4 = 4-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
- WIREMOLD 4000 SERIES METAL RACEWAY WITH FITTINGS & OUTLETS 24" ON CENTER RACEWAY TO BE PAINTED TO MATCH WALL COLOR.
- JUNCTION BOX WALL MOUNTED AT +18" U.O.N.
- JUNCTION BOX 4-11/16" SQ. X 2-1/8" DEEP MOUNTED ABOVE ACCESSIBLE CEILING
- (LA) PANELBOARD OR SWITCHBOARD DESIGNATION
- FLUSH MOUNTED PANEL, +6'-6" TO TOP, U.O.N.
- SURFACE MOUNTED PANEL, +6'-6" TO TOP, U.O.N.
- TRANSFORMER, SEE SINGLE LINE DIAGRAM
- CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM
- MOTOR OUTLET
- DISCONNECT SWITCH, SIZE NUMBER OF POLES AND FUSE RATING AS INDICATED.
- GROUNDING ELECTRODE, SEE SINGLE LINE DIAGRAM
- A-1,3 — CONDUIT HOMERUN TO PANEL "A"; CIRCUITS 1,3
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
- CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT RUN EXPOSED
- CONDUIT STUB-OUT, CAPPED
- CONDUIT UP
- CONDUIT DOWN
- FLEXIBLE CONDUIT
- C — 1/2"C. 6#14 FOR CLOCK SYSTEM WIRING.
- T — 1/2"C. 1#22 5 CONDUCTOR CABLE FOR TELEPHONE SYSTEM WIRING.
- FA — SEE FIRE ALARM RISER DIAGRAM FOR CONDUIT AND WIRE FILL.
- S — 1/2"C.O. FOR SECURITY SYSTEM WIRING.
- 1/2"C. 2#12 — 1/2"C. 5#12
- 1/2"C. 3#12 — 3/4"C. 6#10
- 1/2"C. 4#12 — 3/4"C. 7#10
- W — WIREMOLD SIZE AS PER NEC CODE
- FLUSH MOUNTED TELEPHONE OUTLET MTD. AT + 18" WITH 3/4"C.O. STUBBED INTO CEILING SPACE ABOVE.
- FLUSH MOUNTED DATA OUTLET MTD. AT + 18" WITH 3/4"C.O. STUBBED INTO CEILING SPACE ABOVE.
- XW — LOCATED IN CONDUIT RUN. INDICATES REMOVE EXISTING WIRE AND REINSTALL NEW WIRE. HASH MARKS INDICATE NUMBER AND SIZE OF WIRES AS SHOWN ABOVE.
- X — ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO REMAIN.
- XR — ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE REMOVED.
- XRR — ADJACENT TO LIGHT FIXTURE, OUTLET SYMBOL OR IN CONDUIT RUN INDICATES EXISTING TO BE REMOVED AND REPLACED WITH NEW DEVICE SHOWN.
- XX — IN CONDUIT RUN INDICATES EXISTING CONDUIT RUN TO BE REWIRED. PULL OUT EXISTING WIRES AND INSTALL NEW WIRES, QUANTITY AS INDICATED BY HASH MARKS.

MOTION SENSOR SYMBOLS
- W – 2000A
- W – 2000H
- W – 1000A
- W – 500A
- WI – 200
- CI – 200
- POWER PACK
- SLAVE PACK

SEE SHEET E-3.1 FOR FIRE ALARM SYMBOLS

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
AS	AMPERE SWITCH	AF	AMPERE FUSE

NOTES:
1. THE ELECTRICAL DRAWINGS INDICATE NEW WORK. EXISTING ELECTRICAL SYSTEMS ARE NOT SHOWN EXCEPT WHERE INTERFACING IS REQUIRED.
2. CONSULT WITH THE DISTRICT'S ELECTRICAL INSPECTOR BEFORE STARTING WORK.
3. THE ELECTRICAL PLANS ARE DEVELOPED FROM AS-BUILT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE CIRCUIT CONTINUITY FOR A WORKABLE SYSTEM.
4. EACH EMPTY CONDUIT SHALL HAVE A PULL CORD INSTALLED IN IT.
5. ALL ELECTRICAL SYMBOLS SHOWN ON SCHEDULES ARE NOT NECESSARILY USED ON THIS PROJECT.
6. VERIFY EXACT LOCATION OF ALL EXISTING ELECTRICAL SWITCHGEAR, SIGNAL CABINETS (TEL/INTERCOM, F.A.,CABLE TV., AND SECURITY) PRIOR TO BID AND INSTALLATION AND NOTIFY SCHOOL DISTRICT OF ANY DISCREPANCY WITH THEIR PLANS.
7. EACH PANELBOARD SHALL BE GROUNDED WITH A 3/4" X 10' LONG COPPER CLAD STEEL GROUND ROD. GROUND ROD SHALL EXTEND 6" ABOVE FINISH GRADE.

THIS IS A COMPLETE FIRE ALARM SUBMITTAL

10/11/01 ADDENDUM #1 ISSUED

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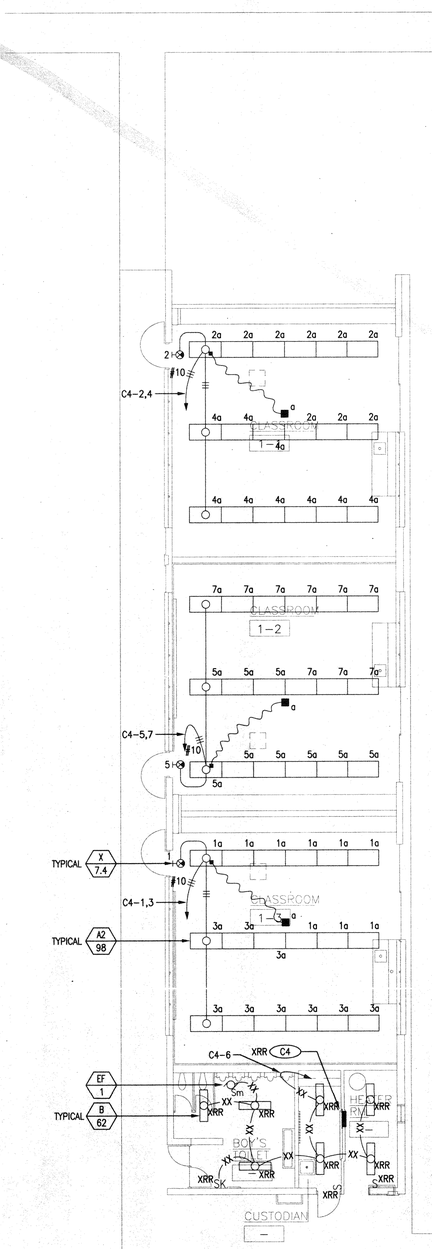
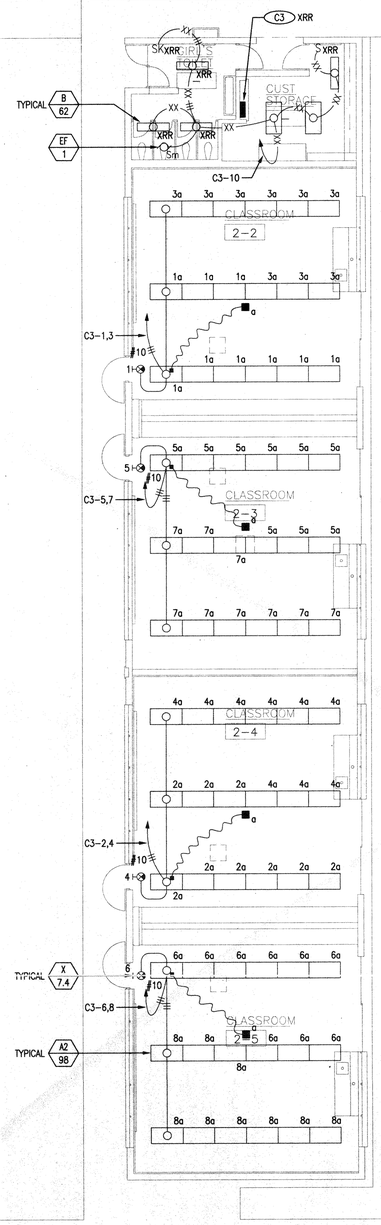
ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

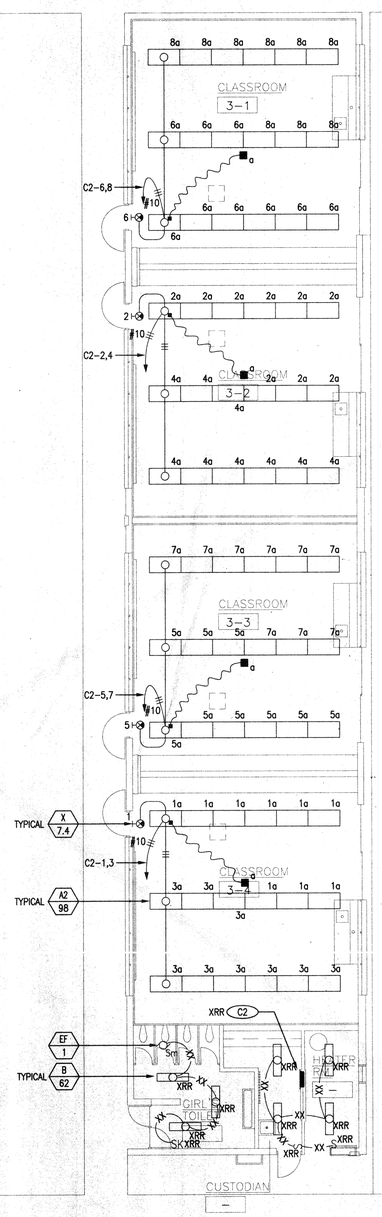
SYMBOLS LIST, SCHEDULE AND LIGHTING COMPLIANCES

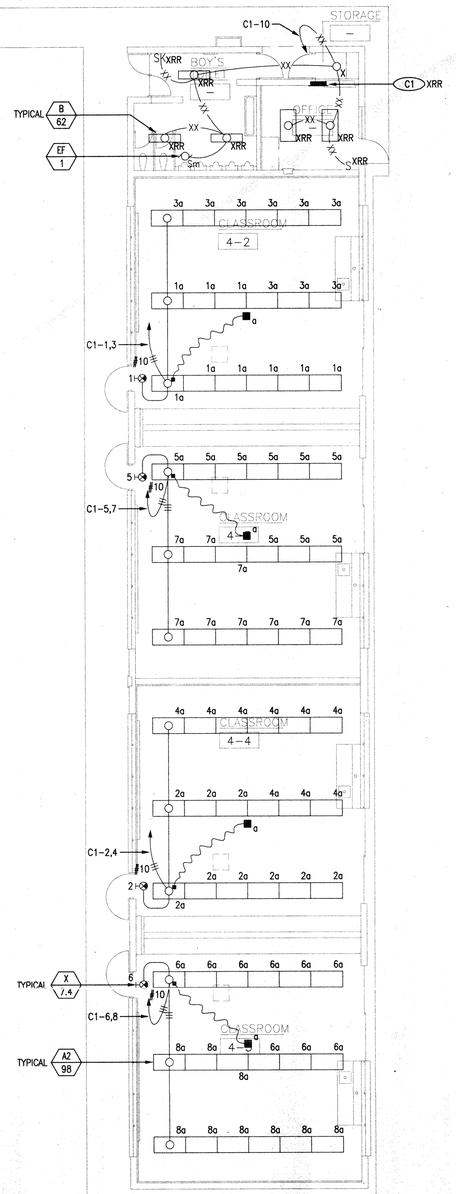
DATE 8/15/99
JOB NO. 98189
DRAWN CADD
CHECKED DE

SHEET OF
AD1-9
(E-1.1)









BUILDING C4 CLASSROOM

NEW

120/240 VOLTS — **XRR** PANEL C1 — MAIN BKR M.L.O.
1 PHASE — LOCATION BLDG C1, OFFICE — 100 A BUSSING
3 WIRE — FEEDER — ENTER CABT. AT . — FLUSH MTG.

LOCATION	WATTAGE ϕA	WATTAGE ϕB	LTG	REC	MS	OR	BKR		BKR	OR	MS	REC	LTG	WATTAGE ϕA	WATTAGE ϕB	LOCATION
CLASSROOM 4-2	885		9	·	·	1	20-1		20-1	2	·	·	9	885		CLASSROOM 4-4
CLASSROOM 4-2		885	9	·	·	3	20-1		20-1	4	·	·	9		885	CLASSROOM 4-4
CLASSROOM 4-3	885		9	·	·	5	20-1		20-1	6	·	·	9	885		CLASSROOM 4-5
CLASSROOM 4-3		885	9	·	·	7	20-1		20-1	8	·	·	9		885	CLASSROOM 4-5
CLASSROOM 4-2	1440		·	8	·	9	20-1		20-1	10	·	·	7	1260		TOILETS
CLASSROOM 4-5		1440	·	8	·	11	20-1		20-1	12	·	7	·		1260	CLASSROOM 4-4
EXISTING LOAD	700		·	·	·	13	20-1		20-1	14	·	8	·	1440		CLASSROOM 1-3
EXISTING LOAD		700	·	·	·	15	20-1		20-2	16	·	·	·		500	EXISTING LOAD
NEW FIRE ALARM	500		·	·	1	17	20-1		·	18	·	·	·	500		·
SPARE		0	·	·	·	19	20-1		20-1	20	·	·	·		0	SPARE
SPARE	0		·	·	·	21	20-1		20-1	22	·	·	·	0		SPARE
SPARE		0	·	·	·	23	20-1		20-1	24	·	·	·		0	SPARE
SPARE	0		·	·	·	25	20-1		20-1	26	·	·	·	0		SPARE
SPARE		0	·	·	·	27	20-1		20-1	28	·	·	·		0	SPARE
SPARE	0		·	·	·	29	20-1		20-1	30	·	·	·	0		SPARE
·	·	·	·	·	·	31	·		·	32	·	·	·	·	·	·
·	·	·	·	·	·	33	·		·	34	·	·	·	·	·	·
·	·	·	·	·	·	35	·		·	36	·	·	·	·	·	·
·	·	·	·	·	·	37	·		·	38	·	·	·	·	·	·
·	·	·	·	·	·	39	·		·	40	·	·	·	·	·	·
·	·	·	·	·	·	41	·		·	42	·	·	·	·	·	·

ϕA= 9380W — ϕB= 7440W
TOTAL CONNECTED LOAD: 18760 WATTS OR 78.2 AMPS @ 240 VOLTS – 1 ~
LCL: 8340 WATTS x 25% = 2085 WATTS
FDL: 18760 WATTS + 2085 WATTS (LCL) = 20845 WATTS OR 86.9 AMPS

BUILDING C3 CLASSROOM

NEW

120/240 VOLTS — **XRR** PANEL C2 — MAIN BKR M.L.O.
1 PHASE — LOCATION BLDG C2, CUSTODIAN — 100 A BUSSING
3 WIRE — FEEDER — ENTER CABT. AT . — FLUSH MTG.

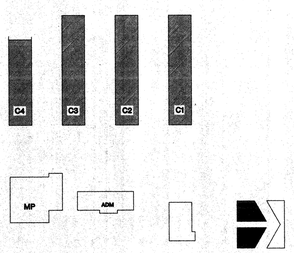
LOCATION	WATTAGE ϕA	WATTAGE ϕB	LTG	REC	MS	OR	BKR		BKR	OR	MS	REC	LTG	WATTAGE ϕA	WATTAGE ϕB	LOCATION
FLASSROOM 3-4	885		9	·	·	1	20-1		20-1	2	·	·	9	885		CLASSROOM 3-2
FLASSROOM 3-4		885	9	·	·	3	20-1		20-1	4	·	·	9		885	CLASSROOM 3-2
CLASSROOM 3-3	885		9	·	·	5	20-1		20-1	6	·	·	9	885		CLASSROOM 3-1
CLASSROOM 3-3		885	9	·	·	7	20-1		20-1	8	·	·	9		885	CLASSROOM 3-1
CLASSROOM 3-4	1440		·	8	·	9	20-1		20-1	10	·	8	·	1440		CLASSROOM 3-3
CLASSROOM 3-1		1440	·	8	·	11	20-1		20-1	12	·	3	·		540	CLASSROOM 3-2
EXISTING LOAD	700		·	·	·	13	20-1		20-2	14	·	·	·	500		EXISTING LOAD
EXISTING LOAD		700	·	·	·	15	20-1		·	16	·	·	·		500	·
EXISTING LOAD	360		·	·	·	17	20-1		20-1	18	·	·	·	200		EXISTING LOAD
EXISTING LOAD		500	·	·	·	19	20-1		20-1	20	·	·	·		200	EXISTING LOAD
NEW FIRE ALARM	500		·	·	1	21	20-1		20-1	22	·	·	·	0		SPARE
SPARE		0	·	·	·	23	20-1		20-1	24	·	·	·		0	SPARE
SPARE	0		·	·	·	25	20-1		20-1	26	·	·	·	0		SPARE
SPARE		0	·	·	·	27	20-1		20-1	28	·	·	·		0	SPARE
SPARE	0		·	·	·	29	20-1		20-1	30	·	·	·	0		SPARE
·	·	·	·	·	·	31	·		·	32	·	·	·	·	·	·
·	·	·	·	·	·	33	·		·	34	·	·	·	·	·	·
·	·	·	·	·	·	35	·		·	36	·	·	·	·	·	·
·	·	·	·	·	·	37	·		·	38	·	·	·	·	·	·
·	·	·	·	·	·	39	·		·	40	·	·	·	·	·	·
·	·	·	·	·	·	41	·		·	42	·	·	·	·	·	·

ϕA= 0 — ϕB= 0
TOTAL CONNECTED LOAD: 0 WATTS OR 0 AMPS @ 240 VOLTS – 1 ~
LCL: 0
FDL: 0

BUILDING C2 CLASSROOM

BUILDING C1 CLASSROOM

KEY PLAN



DSA APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 APPL # 04-106560
AC ____ FLS ____ SS ____
DATE JAN 05 2000

LIGHTING PLANS CLASSROOMS C1, C2, C3 & C4 BUILDINGS

SCALE 1/8 " = 1'-0"

DATE	DESCRIPTION
9/10/99	DSA PLAN REVIEW SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER — No. 17990 — Exp. 6/30/01 — STATE OF CALIFORNIA

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204

LICENSED ARCHITECT — R. TITTLE — No. 12955 — REG. 11-30-99 — STATE OF CALIFORNIA

NTD ARCHITECTS

ATIONS TO
DEER ELEMENTARY SCHOOL
NSTER SCHOOL DISTRICT
NSTER, CALIFORNIA

NEW

120/240 VOLTS	XRR PANEL C1	MAIN BKR: 100 A
1 PHASE	LOCATION BLDG. 4	100 A. BUSSING
3 WIRE		PLUG-N STYL.

LOCATION	WATTAGE		VA/REC	MIR	CIR	BKR			BKR	CIR	MIR	REC/LTG	WATTAGE		LOCATION
	Ø A	Ø B											Ø A	Ø B	
CLASSROOM 4-2	825		5	-	-	1	20/1		20/1	1	-	-	5	825	CLASSROOM 4-4
CLASSROOM 4-2		825	5	-	-	1	20/1		20/1	1	-	-	5		825 CLASSROOM 4-4
CLASSROOM 4-3	825		5	-	-	1	20/1		20/1	1	-	-	5	825	CLASSROOM 4-5
CLASSROOM 4-3		825	5	-	-	1	20/1		20/1	1	-	-	5		825 CLASSROOM 4-5
CLASSROOM 4-2	1440		8	-	-	1	20/1		20/1	1	-	-	1	360	VOLTS
CLASSROOM 4-5		1440	8	-	-	1	20/1		20/1	1	-	-	1		360 CLASSROOM 4-4
EXISTING LOAD	100		-	-	-	1	20/1		20/1	1	-	-	8	1440	CLASSROOM 4-5
EXISTING LOAD		100	-	-	-	1	20/1		20/2	1	-	-	-		100 EXISTING LOAD
MEN FIRE ALARM	500		-	-	-	1	20/1		-	1	-	-	-	500	
SPARE		0	-	-	-	1	20/1		20/1	1	-	-	-		0 SPARE
SPARE	0		-	-	-	1	20/1		20/1	1	-	-	-	0	SPARE
SPARE		0	-	-	-	1	20/1		20/1	1	-	-	-		0 SPARE
SPARE	0		-	-	-	1	20/1		20/1	1	-	-	-	0	SPARE
SPARE		0	-	-	-	1	20/1		20/1	1	-	-	-		0 SPARE
SPARE	0		-	-	-	1	20/1		20/1	1	-	-	-	0	SPARE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE

Ø A= 7330 CU Ø B= 7440 CU

TOTAL CONNECTED LOAD: 18760 WATTS OR 182 AMPS @ 240 VOLTS - 1 ø

CLOU: 8340 WATTS x 25% = 2085 WATTS

=TOU: 18760 WATTS - 2085 WATTS (CLO) = 20845 WATTS OR 86.9 AMPS

NEW

120/240 VOLTS	XRR PANEL C2	MAIN BKR: 100 A
1 PHASE	LOCATION BLDG. 3	100 A. BUSSING
3 WIRE		PLUG-N STYL.

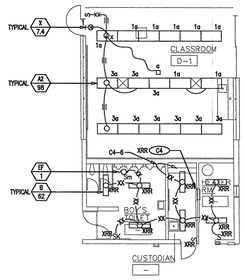
LOCATION	WATTAGE		VA/REC	MIR	CIR	BKR			BKR	CIR	MIR	REC/LTG	WATTAGE		LOCATION
	Ø A	Ø B											Ø A	Ø B	
CLASSROOM 3-4	825		5	-	-	1	20/1		20/1	1	-	-	5	825	CLASSROOM 3-2
CLASSROOM 3-4		825	5	-	-	1	20/1		20/1	1	-	-	5		825 CLASSROOM 3-2
CLASSROOM 3-3	825		5	-	-	1	20/1		20/1	1	-	-	5	825	CLASSROOM 3-1
CLASSROOM 3-3		825	5	-	-	1	20/1		20/1	1	-	-	5		825 CLASSROOM 3-1
CLASSROOM 3-4	1440		8	-	-	1	20/1		20/1	1	-	-	8	1440	CLASSROOM 3-3
CLASSROOM 3-3		1440	8	-	-	1	20/1		20/1	1	-	-	3	-	540 CLASSROOM 3-2
EXISTING LOAD	100		-	-	-	1	20/1		20/2	1	-	-	-	500	
EXISTING LOAD		100	-	-	-	1	20/1			1	-	-	-		500 EXISTING LOAD
EXISTING LOAD	360		-	-	-	1	20/1		20/1	1	-	-	-	300	EXISTING LOAD
EXISTING LOAD		300	-	-	-	1	20/1		20/1	1	-	-	-	300	EXISTING LOAD
MEN FIRE ALARM	500		-	-	-	1	20/1		20/1	1	-	-	-		0 SPARE
SPARE		0	-	-	-	1	20/1		20/1	1	-	-	-	0	SPARE
SPARE	0		-	-	-	1	20/1		20/2	1	-	-	-		0 EXIST
SPARE		0	-	-	-	1	20/1		20/1	1	-	-	-	0	SPARE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE
SPACE	-	-	-	-	-	1	-		-	1	-	-	-	-	SPACE

Ø A= 0 Ø B= 0

TOTAL CONNECTED LOAD: 0 WATTS OR 0 AMPS @ 240 VOLTS - 1 ø

CLOU: 0

=TOU: 0



BUILDING 1 CLASSROOM

DSA FILE NO. 02-C1 (CLASSROOM) 02-C2 (CLASSROOM)

DSA APPROVAL

KEY PLAN

DESIGN ENGINEERING GROUP
Jeffrey T. Hein
No. 13592
Exp. 06/30/03
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

SCALE: NONE

ADDENDUM # 2	DATE:
DSA#	10/23/01
04-101569	DSA#
FILE	98189
30-43	

ALTERATIONS TO
SCHRODER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

ISSUED WITH ADDENDUM #2 dated 10/23/01

LIGHTING PLAN - 1, 2, 3, & 4 BLDGS.

NTD
ARCHITECTS
4925 Dominion Way, Suite 400, Riverside, CA 92506
(909) 682-7581
Fax (909) 682-7583

AD2-4
(E-2.1.1)
REFERENCE

3.7 SHEET E-2.1.1 - ADD-NO.2

7. **ADDENDUM DRAWING AD2-4** is issued with this Addendum #2 to show the following:

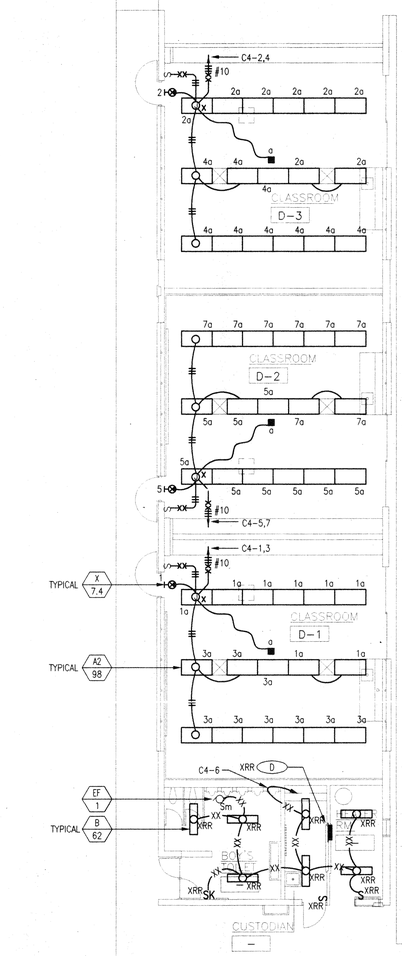
a) CHANGE location of Panel 'C1' to Bldg. 4.
b) CHANGE location of Panel 'C2' to Bldg. 3.
c) CHANGE designation of Panel 'D' to 'C4'.

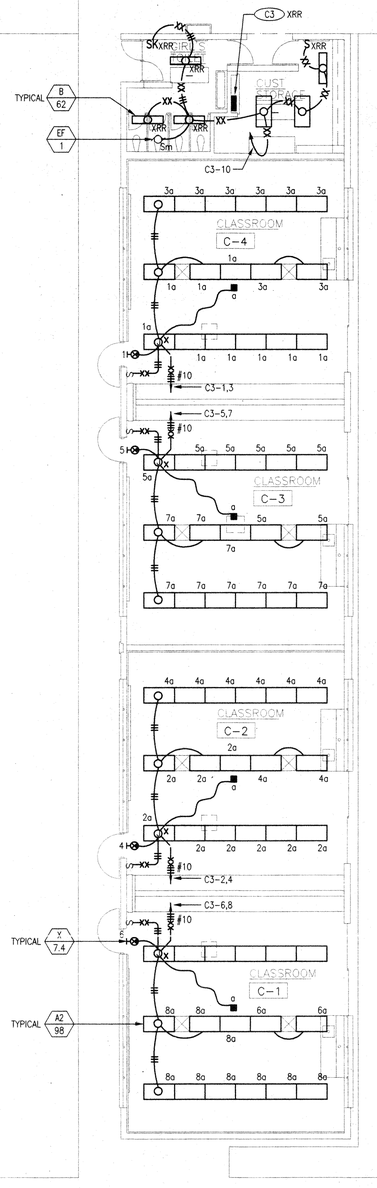
SHEET NOTES

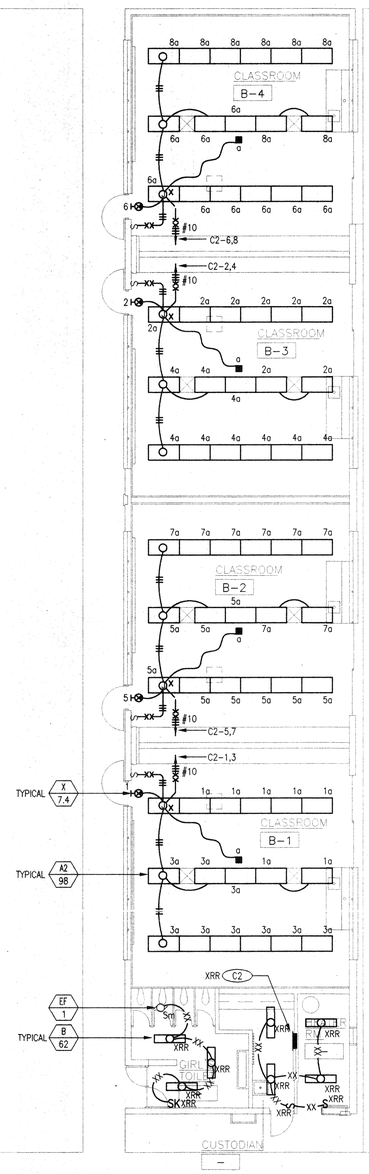
1. ALL EXISTING PANELS. REMOVE INTERIOR(S) ONLY AND MOUNT NEW PANEL ON TOP OF EXISTING ENCLOSURE. PROVIDE CONDUIT, NIPPLES, & EXTEND FEEDERS & BRANCH CONDUCTORS TO NEW PANEL EXTENSION & MAKE ALL NECESSARY CONNECTIONS. PROVIDE COVER TO MATCH EXISTING THICKNESS AND STRENGH ON EXISTING ENCLOSURE.

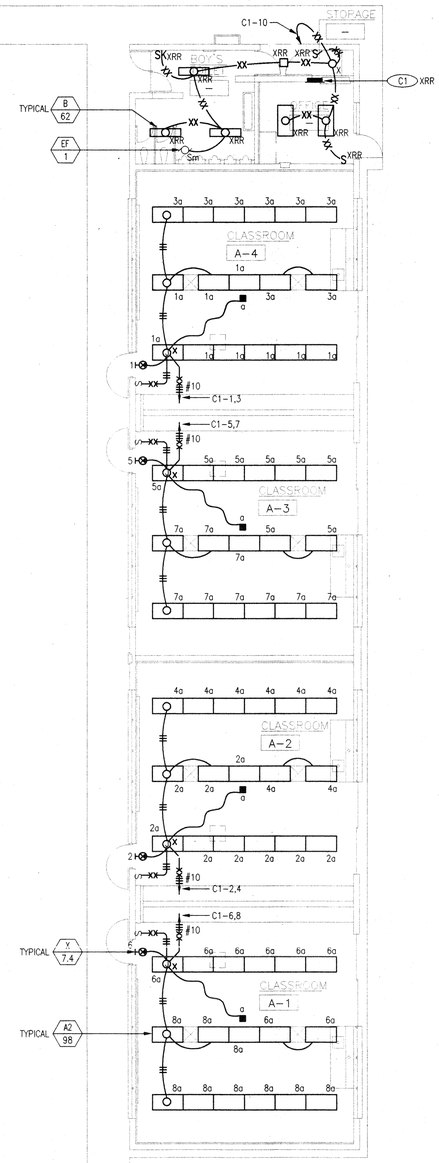
2. PROVIDE POWER SUPPLY AND LOW VOLTAGE RELAY(S) IN JUNCTION BOX. PROVIDE ALL MATERIAL AND LABOR AND MAKE ALL NECESSARY CONNECTIONS SO THE WALL SWITCH OVERRIDES THE MOTION SENSOR AT ALL MOTION SENSOR LOCATIONS.

3. REMOVE ALL EXISTING SWITCH(ES) AND PROVIDE A NEW SINGLE SWITCH TO ADA REQUIREMENTS. SEE C/E-1.1.









BUILDING 1 CLASSROOM

NEW

120/240 **VOLTS** — **XRR PANEL C1** — **MAIN BKR:** 100 A
1 **PHASE** — **LOCATION** BLDG C1, OFFICE — 100 **A. BUSSING**
3 **WIRE** — **FEEDER** — **ENTER CAB'T. AT** . — FLUSH **MTG.**

LOCATION	WATTAGE ΦA	WATTAGE ΦB	LTG	REC	MISC	CIR	BKR		BKR	CIR	MISC	REC	LTG	WATTAGE ΦA	WATTAGE ΦB	LOCATION
CLASSROOM 4-2	885		9	-	-	1	20-1		20-1	2	-	-	9	885		CLASSROOM 4-4
CLASSROOM 4-2		885	9	-	-	3	20-1		20-1	4	-	-	9		885	CLASSROOM 4-4
CLASSROOM 4-3	885		9	-	-	5	20-1		20-1	6	-	-	9	885		CLASSROOM 4-5
CLASSROOM 4-3		885	9	-	-	7	20-1		20-1	8	-	-	9		885	CLASSROOM 4-5
CLASSROOM 4-2	1440		-	8	-	9	20-1		20-1	10	-	-	7	1260		TOILETS
CLASSROOM 4-5		1440	-	8	-	11	20-1		20-1	12	-	7	-		1260	CLASSROOM 4-4
EXISTING LOAD	700		-	-	-	13	20-1		20-1	14	-	8	-	1440		CLASSROOM 1-3
EXISTING LOAD		700	-	-	-	15	20-1		20-2	16	-	-	-		500	EXISTING LOAD
NEW FIRE ALARM	500		-	-	1	17	20-1		-	18	-	-	-	500		
SPARE		0	-	-	-	19	20-1		20-1	20	-	-	-		0	SPARE
SPARE	0		-	-	-	21	20-1		20-1	22	-	-	-	0		SPARE
SPARE		0	-	-	-	23	20-1		20-1	24	-	-	-		0	SPARE
SPARE	0		-	-	-	25	20-1		20-1	26	-	-	-	0		SPARE
SPARE		0	-	-	-	27	20-1		20-1	28	-	-	-		0	SPARE
SPARE	0		-	-	-	29	20-1		20-1	30	-	-	-	0		SPARE
SPACE			-	-	-	31	-		-	32	-	-	-			SPACE
SPACE			-	-	-	33	-		-	34	-	-	-			SPACE
SPACE			-	-	-	35	-		-	36	-	-	-			SPACE
SPACE			-	-	-	37	-		-	38	-	-	-			SPACE
SPACE			-	-	-	39	-		-	40	-	-	-			SPACE
SPACE			-	-	-	41	-		-	42	-	-	-			SPACE

ΦA= 9380W **ΦB=** 7440W
TOTAL CONNECTED LOAD: 18760 WATTS OR 78.2 AMPS @ 240 VOLTS – 1 ~
LCL: 8340 WATTS x 25% = 2085 WATTS
FDL: 18760 WATTS + 2085 WATTS (LCL) = 20845 WATTS OR 86.9 AMPS

BUILDING 2 CLASSROOM

NEW

120/240 **VOLTS** — **XRR PANEL C2** — **MAIN BKR:** 100 A
1 **PHASE** — **LOCATION** BLDG C2, CUSTODIAN — 100 **A. BUSSING**
3 **WIRE** — **FEEDER** — **ENTER CAB'T. AT** . — FLUSH **MTG.**

LOCATION	WATTAGE ΦA	WATTAGE ΦB	LTG	REC	MISC	CIR	BKR		BKR	CIR	MISC	REC	LTG	WATTAGE ΦA	WATTAGE ΦB	LOCATION
FLASSROOM 3-4	885		9	-	-	1	20-1		20-1	2	-	-	9	885		CLASSROOM 3-2
FLASSROOM 3-4		885	9	-	-	3	20-1		20-1	4	-	-	9		885	CLASSROOM 3-2
CLASSROOM 3-3	885		9	-	-	5	20-1		20-1	6	-	-	9	885		CLASSROOM 3-1
CLASSROOM 3-3		885	9	-	-	7	20-1		20-1	8	-	-	9		885	CLASSROOM 3-1
CLASSROOM 3-4	1440		-	8	-	9	20-1		20-1	10	-	8	-	1440		CLASSROOM 3-3
CLASSROOM 3-1		1440	-	8	-	11	20-1		20-1	12	-	3	-		540	CLASSROOM 3-2
EXISTING LOAD	700		-	-	-	13	20-1		20-2	14	-	-	-	500		EXISTING LOAD
EXISTING LOAD		700	-	-	-	15	20-1		-	16	-	-	-		500	
EXISTING LOAD	360		-	-	-	17	20-1		20-1	18	-	-	-	200		EXISTING LOAD
EXISTING LOAD		500	-	-	-	19	20-1		20-1	20	-	-	-		200	EXISTING LOAD
NEW FIRE ALARM	500		-	-	1	21	20-1		20-1	22	-	-	-	0		SPARE
SPARE		0	-	-	-	23	20-1		20-1	24	-	-	-		0	SPARE
SPARE	0		-	-	-	25	20-1		20	26	-	-	-	0		EXIST.
SPARE		0	-	-	-	27	20-1		2	28	-	-	-		0	EXIST.
SPARE	0		-	-	-	29	20-1		20-1	30	-	-	-	0		SPARE
SPACE			-	-	-	31	-		-	32	-	-	-			SPACE
SPACE			-	-	-	33	-		-	34	-	-	-			SPACE
SPACE			-	-	-	35	-		-	36	-	-	-			SPACE
SPACE			-	-	-	37	-		-	38	-	-	-			SPACE
SPACE			-	-	-	39	-		-	40	-	-	-			SPACE
SPACE			-	-	-	41	-		-	42	-	-	-			SPACE

ΦA= 0 **ΦB=** 0
TOTAL CONNECTED LOAD: 0 WATTS OR 0 AMPS @ 240 VOLTS – 1 ~
LCL: 0
FDL: 0

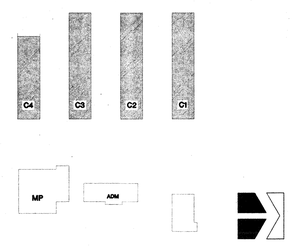
BUILDING 3 CLASSROOM

BUILDING4 CLASSROOM

3.7 SHEET E-2.1.1 -

17. **ADDENDUM DRAWING AD1-10** is issued with this Addendum #1 to show:
    a. Added electrical notes.
    b. Revised lighting layout.
    c. Revised panel schedules for Panels "C1" and "C2".
    d. Revised buildings name designation.

KEY PLAN



DSA APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 APPL #_____
AC _____ FLS _____ SS _____
DATE _____

SCALE 1/8 " = 1'-0"

LIGHTING PLANS CLASSROOMS 1, 2, 3 & 4 BUILDINGS

10/1/01 ADDENDUM #1 ISSUED

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

LICENSED ELECTRICAL ENGINEER — JAY R. TITLE — No. 13592 Exp. 6-30-03 — STATE OF CALIFORNIA

LICENSED ARCHITECT — JAY R. TITLE — NO. 12955 REN. 11-30-01 — STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora ◇ San Diego ◇ Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
LIGHTING PLANS - 1, 2, 3 & 4 BLDGS

DATE 8/15/99
JOB NO. 98189
DRAWN CADD
CHECKED DE

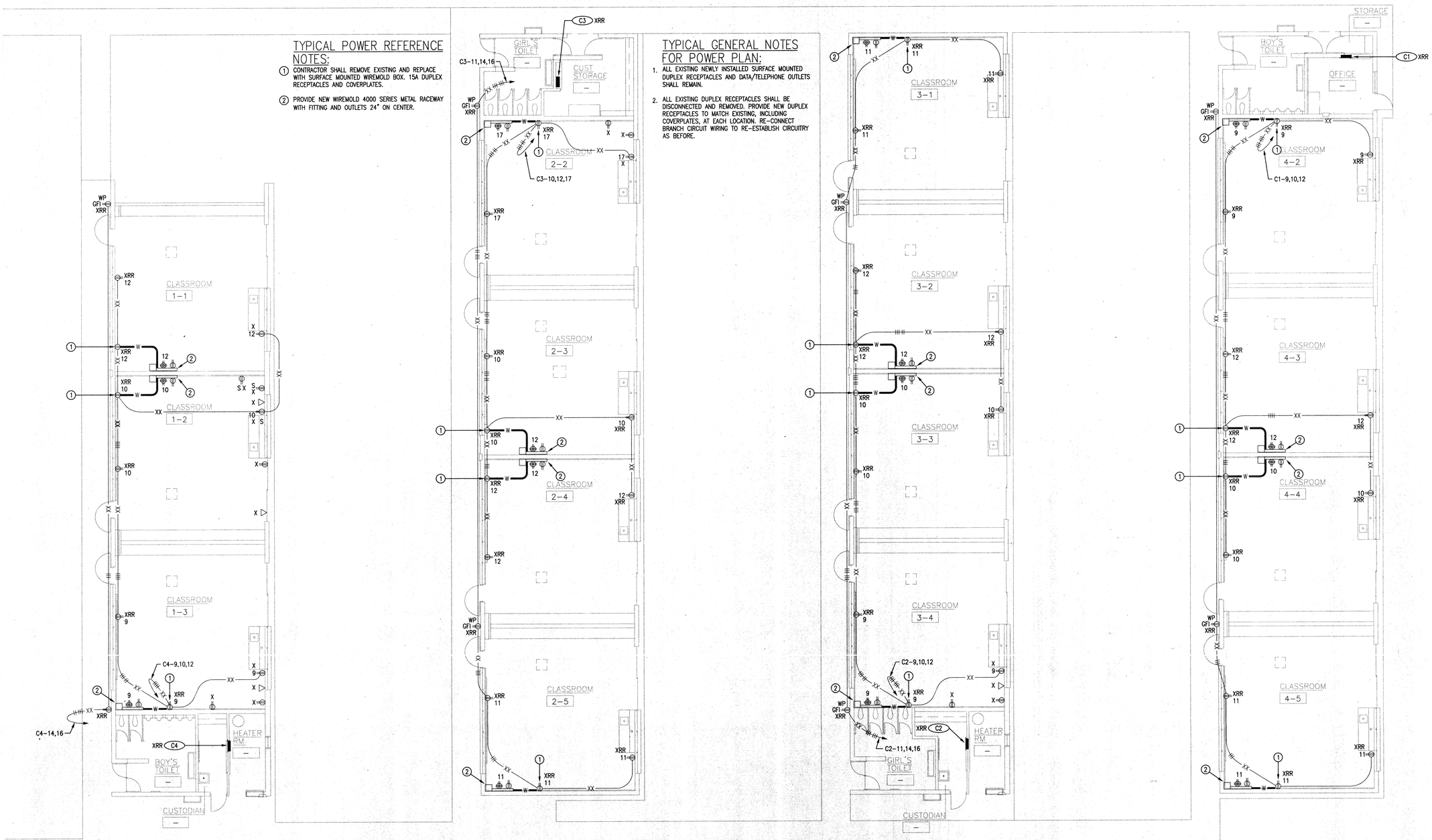
SHEET OF .
AD1-10
(E-2.1.1)

TYPICAL POWER REFERENCE NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING AND REPLACE WITH SURFACE MOUNTED WIREMOLD BOX. 15A DUPLEX RECEPTACLES AND COVERPLATES.
2. PROVIDE NEW WIREMOLD 4000 SERIES METAL RACEWAY WITH FITTING AND OUTLETS 24" ON CENTER.

TYPICAL GENERAL NOTES FOR POWER PLAN:

1. ALL EXISTING NEWLY INSTALLED SURFACE MOUNTED DUPLEX RECEPTACLES AND DATA/TELEPHONE OUTLETS SHALL REMAIN.
2. ALL EXISTING DUPLEX RECEPTACLES SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW DUPLEX RECEPTACLES TO MATCH EXISTING, INCLUDING COVERPLATES, AT EACH LOCATION. RE-CONNECT BRANCH CIRCUIT WIRING TO RE-ESTABLISH CIRCUITRY AS BEFORE.



BUILDING C4 CLASSROOM

NEW

120/240 VOLTS, 1 PHASE, 3 WIRE — **XRR** PANEL C3 — LOCATION BLDG. C3, STORAGE RM. — FEEDER — MAIN BKR. M.L.O. — 100 A BUSSING — ENTER CABT. AT . — FLUSH MTG.

LOCATION	WATTAGE ΦA	WATTAGE ΦB	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE ΦA	WATTAGE ΦB	LOCATION
CLASSROOM 2-2	885		9	·	·	1	20-1		20-1	2	·	·	9	885		CLASSROOM 2-4
CLASSROOM 2-2		885	9	·	·	3	20-1		20-1	4	·	·	9		885	CLASSROOM 2-4
CLASSROOM 2-3	885		9	·	·	5	20-1		20-1	6	·	·	9	885		CLASSROOM 2-5
CLASSROOM 2-3		885	9	·	·	7	20-1		20-1	8	·	·	9		885	CLASSROOM 2-5
SPARE	0		·	·	·	9	20-1		20-1	10	·	8	·	1440		CLASSROOM 2-3
CLASSROOM 2-5		1440	8	·	·	11	20-1		20-1	12	·	8	·		1440	CLASSROOM 2-4
EXISTING LOAD	700		·	·	·	13	20-1		20-2	14	·	·	·	500		EXISTING LOAD
EXISTING LOAD		700	·	·	·	15	20-1		·	16	·	·	·		500	·
CLASSROOM 2-2	1260		7	·	·	17	20-1		20-1	18	·	·	·	1440		EXISTING ARCADE
NEW FIRE ALARM		500	·	·	1	19	20-1		20-1	20	·	·	·		0	SPARE
SPARE	0		·	·	·	21	20-1		20-1	22	·	·	·	0		SPARE
SPARE		0	·	·	·	23	20-1		20-1	24	·	·	·		0	SPARE
SPARE	0		·	·	·	25	20-1		20-1	26	·	·	·	0		SPARE
SPARE		0	·	·	·	27	20-1		20-1	28	·	·	·		0	SPARE
SPARE	0		·	·	·	29	20-1		20-1	30	·	·	·	0		SPARE
·	·	·	·	·	·	31	·		·	32	·	·	·	·	·	·
·	·	·	·	·	·	33	·		·	34	·	·	·	·	·	·
·	·	·	·	·	·	35	·		·	36	·	·	·	·	·	·
·	·	·	·	·	·	37	·		·	38	·	·	·	·	·	·
·	·	·	·	·	·	39	·		·	40	·	·	·	·	·	·
·	·	·	·	·	·	41	·		·	42	·	·	·	·	·	·

ΦA= 8880W — ΦB= 8120W

TOTAL CONNECTED LOAD: 17760 WATTS OR 74.0 AMPS @ 240 VOLTS – 1 ~

LCL: 7080 WATTS x 25% = 1770 WATTS

FDL: 17760 WATTS + 1770 WATTS (LCL) = 19530 WATTS OR 81.4 AMPS

BUILDING C3 CLASSROOM

NEW

120/240 VOLTS, 1 PHASE, 3 WIRE — **XRR** PANEL C4 — LOCATION BLDG. C4 — FEEDER — MAIN BKR. M.L.O. — 100 A BUSSING — ENTER CABT. AT . — FLUSH MTG.

LOCATION	WATTAGE ΦA	WATTAGE ΦB	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE ΦA	WATTAGE ΦB	LOCATION
CLASSROOM 1-3	885		9	·	·	1	20-1		20-1	2	·	·	9	885		CLASSROOM 1-4
CLASSROOM 1-3		885	9	·	·	3	20-1		20-1	4	·	·	9		885	CLASSROOM 1-4
CLASSROOM 1-2	885		9	·	·	5	20-1		20-1	6	1	·	7	560		TOILETS
CLASSROOM 1-2		885	9	·	·	7	20-1		20-1	8	·	·	·		0	SPARE
CLASSROOM 1-3	1440		·	8	·	9	20-1		20-1	10	·	7	·	1280		CLASSROOM 1-2
SPARE		0	·	·	·	11	20-1		20-1	12	·	7	·		1280	CLASSROOM 1-1
EXISTING LOAD	700		·	·	·	13	20-1		20-2	14	1	·	·	500		EXISTING LOAD
EXISTING LOAD		360	·	·	·	15	20-1		·	16	·	·	·		500	·
EXISTING LOAD	360		·	·	·	17	20-1		20-1	18	·	·	·	700		EXISTING LOAD
EXISTING LOAD		500	·	·	·	19	20-1		20-1	20	·	·	·		700	EXISTING LOAD
NEW FIRE ALARM	500		·	·	1	21	20-1		20-1	22	·	·	·	0		SPARE
EXISTING SPRINKLER		500	·	·	1	23	20-1		20-1	24	·	·	·		0	SPARE
SPARE	0		·	·	·	25	20-1		20-1	26	·	·	·	0		SPARE
SPARE		0	·	·	·	27	20-1		20-1	28	·	·	·		0	SPARE
SPARE	0		·	·	·	29	20-1		20-1	30	·	·	·	0		SPARE
·	·	·	·	·	·	31	·		·	32	·	·	·	·	·	·
·	·	·	·	·	·	33	·		·	34	·	·	·	·	·	·
·	·	·	·	·	·	35	·		·	36	·	·	·	·	·	·
·	·	·	·	·	·	37	·		·	38	·	·	·	·	·	·
·	·	·	·	·	·	39	·		·	40	·	·	·	·	·	·
·	·	·	·	·	·	41	·		·	42	·	·	·	·	·	·

ΦA= 8675W — ΦB= 6475W

TOTAL CONNECTED LOAD: 17350 WATTS OR 72.3 AMPS @ 240 VOLTS – 1 ~

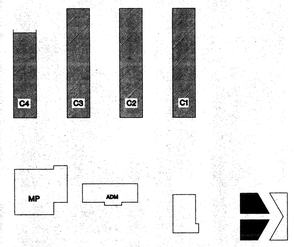
LCL: 5870 WATTS x 25% = 1468 WATTS

FDL: 17350 WATTS + 1468 WATTS (LCL) = 18818 WATTS OR 78.4 AMPS

BUILDING C2 CLASSROOM

BUILDING C1 CLASSROOM

KEY PLAN



DSA APPROVALS

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 APPL # 04-119156
AC FLS SS
DATE JAN 05 2005

SCALE 1/8 " = 1'-0"

POWER PLANS CLASSROOMS C1, C2, C3 & C4 BUILDINGS

9/10/04 DSA PLAN REVIEW SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER JAMES T. KING No. 17904 Exp. 6/30/05 STATE OF CALIFORNIA

DLE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-6700

LICENSED ARCHITECT JAMES R. TITTLE RENEWAL 12/31/05 No. 12955 STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741

ALTERATIONS TO
SNYDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

POWER PLANS C1, C2, C3 & C4 BLDGS

SHEET NOTES

1. ALL EXISTING PANELS. REMOVE INTERIOR(S) ONLY AND MOUNT NEW PANEL ON TOP OF EXISTING ENCLOSURE. PROVIDE CONDUIT, NIPPLES, & EXTEND FEEDERS & BRANCH CONDUCTORS TO NEW PANEL EXTENSION & MAKE ALL NECESSARY CONNECTIONS. PROVIDE COVER TO MATCH EXISTING THICKNESS AND STRENGH ON EXISTING ENCLOSURE.

2. PROVIDE POWER SUPPLY AND LOW VOLTAGE RELAY(S) IN JUNCTION BOX. PROVIDE ALL MATERIAL AND LABOR AND MAKE ALL NECESSARY CONNECTIONS SO THE WALL SWITCH OVERRIDES THE MOTION SENSOR AT ALL MOTION SENSOR LOCATIONS.

3. REMOVE ALL EXISTING SWITCH(ES) AND PROVIDE A NEW SINGLE SWITCH TO ADA REQUIREMENTS. SEE C/E-1.1.

TYPICAL POWER REFERENCE NOTES:

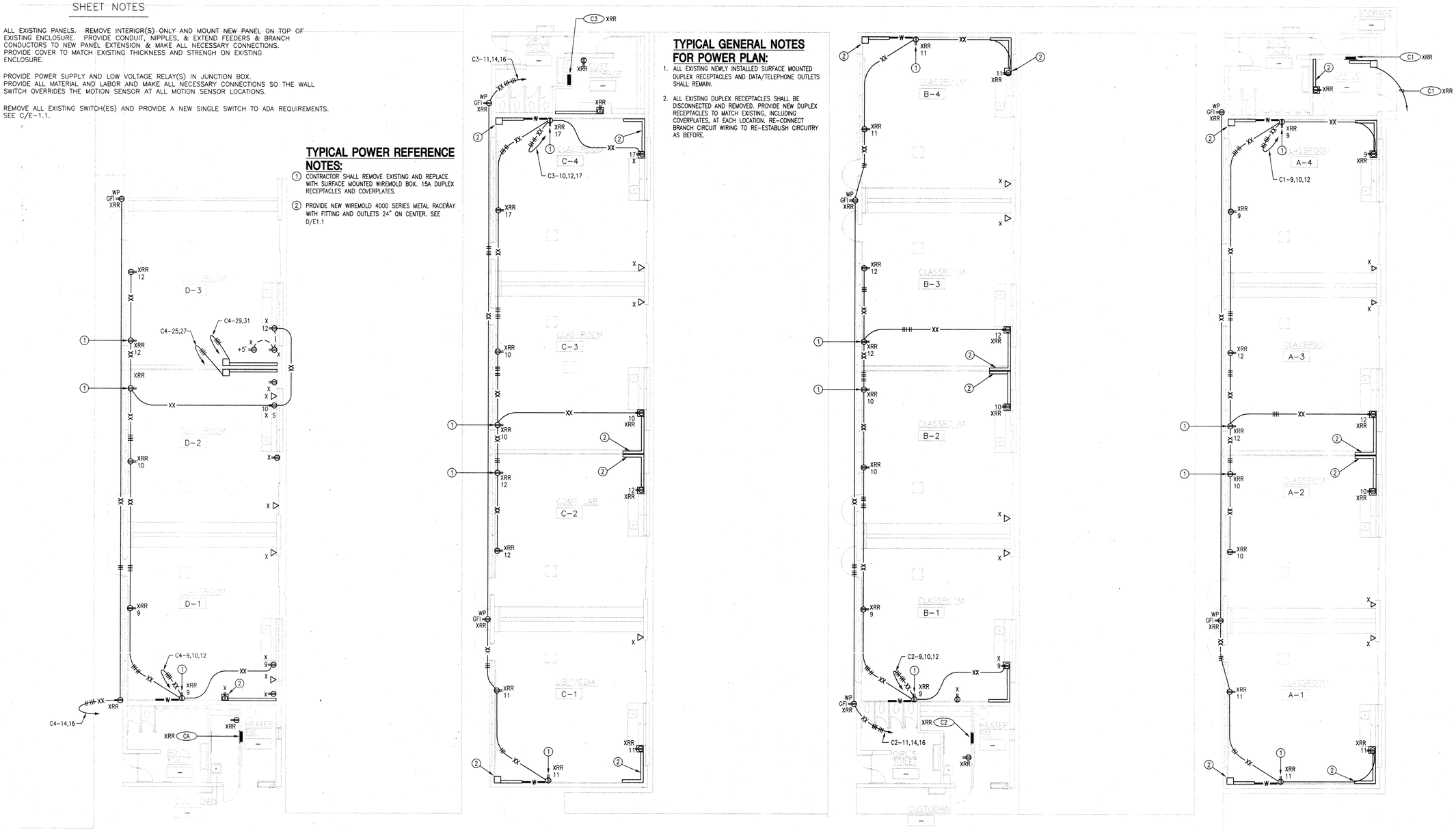
(1) CONTRACTOR SHALL REMOVE EXISTING AND REPLACE WITH SURFACE MOUNTED WIREMOLD BOX. 15A DUPLEX RECEPTACLES AND COVERPLATES.

(2) PROVIDE NEW WIREMOLD 4000 SERIES METAL RACEWAY WITH FITTING AND OUTLETS 24" ON CENTER. SEE D/E1.1

TYPICAL GENERAL NOTES FOR POWER PLAN:

1. ALL EXISTING NEWLY INSTALLED SURFACE MOUNTED DUPLEX RECEPTACLES AND DATA/TELEPHONE OUTLETS SHALL REMAIN.

2. ALL EXISTING DUPLEX RECEPTACLES SHALL BE DISCONNECTED AND REMOVED. PROVIDE NEW DUPLEX RECEPTACLES TO MATCH EXISTING, INCLUDING COVERPLATES, AT EACH LOCATION. RE-CONNECT BRANCH CIRCUIT WIRING TO RE-ESTABLISH CIRCUITRY AS BEFORE.



BUILDING 1 CLASSROOM

NEW

120/240 VOLTS, 1 PHASE, 3 WIRE — XRR PANEL C3 — LOCATION BLDG. 2 — FEEDER — MAIN BKR: 100 A — 100 A. BUSSING — ENTER CAB'T. AT . — FLUSH MTG.

LOCATION	WATTAGE ϕA	WATTAGE ϕB	LT	REC	MISC	CIR	BKR		BKR	CIR	MISC	REC	LT	WATTAGE ϕA	WATTAGE ϕB	LOCATION
CLASSROOM 2-2	885		9	-	-	1	20-1		20-1	2	-	-	9	885		CLASSROOM 2-4
CLASSROOM 2-2		885	9	-	-	3	20-1		20-1	4	-	-	9		885	CLASSROOM 2-4
CLASSROOM 2-3	885		9	-	-	5	20-1		20-1	6	-	-	9	885		CLASSROOM 2-5
CLASSROOM 2-3		885	9	-	-	7	20-1		20-1	8	-	-	9		885	CLASSROOM 2-5
SPARE	0		-	-	-	9	20-1		20-1	10	-	8	-	1440		CLASSROOM 2-3
CLASSROOM 2-5		1440	-	8	-	11	20-1		20-1	12	-	8	-		1440	CLASSROOM 2-4
EXISTING LOAD	700		-	-	-	13	20-1		20-2	14	-	-	-	500		EXISTING LOAD
EXISTING LOAD		700	-	-	-	15	20-1		-	16	-	-	-		500	-
CLASSROOM 2-2	1260		-	7	-	17	20-1		20-1	18	-	-	-	1440		EXISTING ARCADE
NEW FIRE ALARM		500	-	-	1	19	20-1		20-1	20	-	-	-		0	SPARE
EXIST.	0		-	-	-	21	30		20-1	22	-	-	-	0		SPARE
EXIST.		0	-	-	-	23			20-1	24	-	-	-		0	SPARE
SPARE	0		-	-	-	25	20-1		20-1	26	-	-	-	0		SPARE
SPARE		0	-	-	-	27	20-1		20-1	28	-	-	-		0	SPARE
SPARE	0		-	-	-	29	20-1		20-1	30	-	-	-	0		SPARE
SPACE	-	-	-	-	-	31	-		-	32	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	33	-		-	34	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	35	-		-	36	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	37	-		-	38	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	39	-		-	40	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	41	-		-	42	-	-	-	-	-	SPACE

ϕA= 8880W ϕB= 8120W

TOTAL CONNECTED LOAD: 17760 WATTS OR 74.0 AMPS @ 240 VOLTS – 1 ~

LCL: 7080 WATTS x 25% = 1770 WATTS

FDL: 17760 WATTS + 1770 WATTS (LCL) = 19530 WATTS OR 81.4 AMPS

BUILDING 2 CLASSROOM

NEW

120/240 VOLTS, 1 PHASE, 3 WIRE — XRR PANEL CA — LOCATION BLDG. 1 — FEEDER — MAIN BKR: 100 A — 100 A. BUSSING — ENTER CAB'T. AT . — FLUSH MTG.

LOCATION	WATTAGE ϕA	WATTAGE ϕB	LT	REC	MISC	CIR	BKR		BKR	CIR	MISC	REC	LT	WATTAGE ϕA	WATTAGE ϕB	LOCATION
CLASSROOM 1-3	885		9	-	-	1	20-1		20-1	2	-	-	9	885		CLASSROOM 1-4
CLASSROOM 1-3		885	9	-	-	3	20-1		20-1	4	-	-	9		885	CLASSROOM 1-4
CLASSROOM 1-2	885		9	-	-	5	20-1		20-1	6	1	-	7	560		TOILETS
CLASSROOM 1-2		885	9	-	-	7	20-1		20-1	8	-	-	-		0	SPARE
CLASSROOM 1-3	1440		-	8	-	9	20-1		20-1	10	-	7	-	1260		CLASSROOM 1-2
SPARE		0	-	-	-	11	20-1		20-1	12	-	7	-		1260	CLASSROOM 1-1
EXISTING LOAD	700		-	-	-	13	20-1		20-2	14	1	-	-	500		EXISTING LOAD
EXISTING LOAD		360	-	-	-	15	20-1		-	16	-	-	-		500	-
EXISTING LOAD	360		-	-	-	17	20-1		20-1	18	-	-	-	700		EXISTING LOAD
EXISTING LOAD		500	-	-	-	19	20-1		20-1	20	-	-	-		700	EXISTING LOAD
NEW FIRE ALARM	500		-	-	1	21	20-1		20-1	22	-	-	-	0		SPARE
EXISTING SPRINKLER		500	-	-	1	23	20-1		20-1	24	-	-	-		0	SPARE
SPARE	0		-	-	-	25	20-1		20-1	26	-	-	-	0		SPARE
SPARE		0	-	-	-	27	20-1		20-1	28	-	-	-		0	SPARE
SPARE	0		-	-	-	29	20-1		20-1	30	-	-	-	0		SPARE
SPACE	-	-	-	-	-	31	-		-	32	-	-	-	-	-	SPACE
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SPACE	-	-	-	-	-	35	-		-	36	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	37	-		-	38	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	39	-		-	40	-	-	-	-	-	SPACE
SPACE	-	-	-	-	-	41	-		-	42	-	-	-	-	-	SPACE

ϕA= 8675W ϕB= 6475W

TOTAL CONNECTED LOAD: 17350 WATTS OR 72.3 AMPS @ 240 VOLTS – 1 ~

LCL: 5870 WATTS x 25% = 1468 WATTS

FDL: 17350 WATTS + 1468 WATTS (LCL) = 18818 WATTS OR 78.4 AMPS

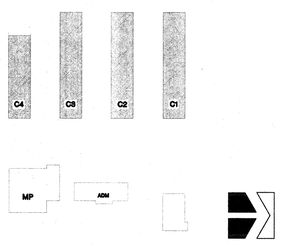
BUILDING 3 CLASSROOM

BUILDING 4 CLASSROOM

3.8 SHEET E-2.1.2 - ADD-NO 2

8. **ADDENDUM DRAWING AD2-5** is issued with this Addendum #2 to show ADDED power wiremold 4000 in all classrooms.

KEY PLAN



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AC FLS SS
DATE

POWER PLANS CLASSROOMS 1, 2, 3 & 4 BUILDINGS

SCALE 1/8 " = 1'-0"

ADDENDUM #2 – ISSUED 10/23/01

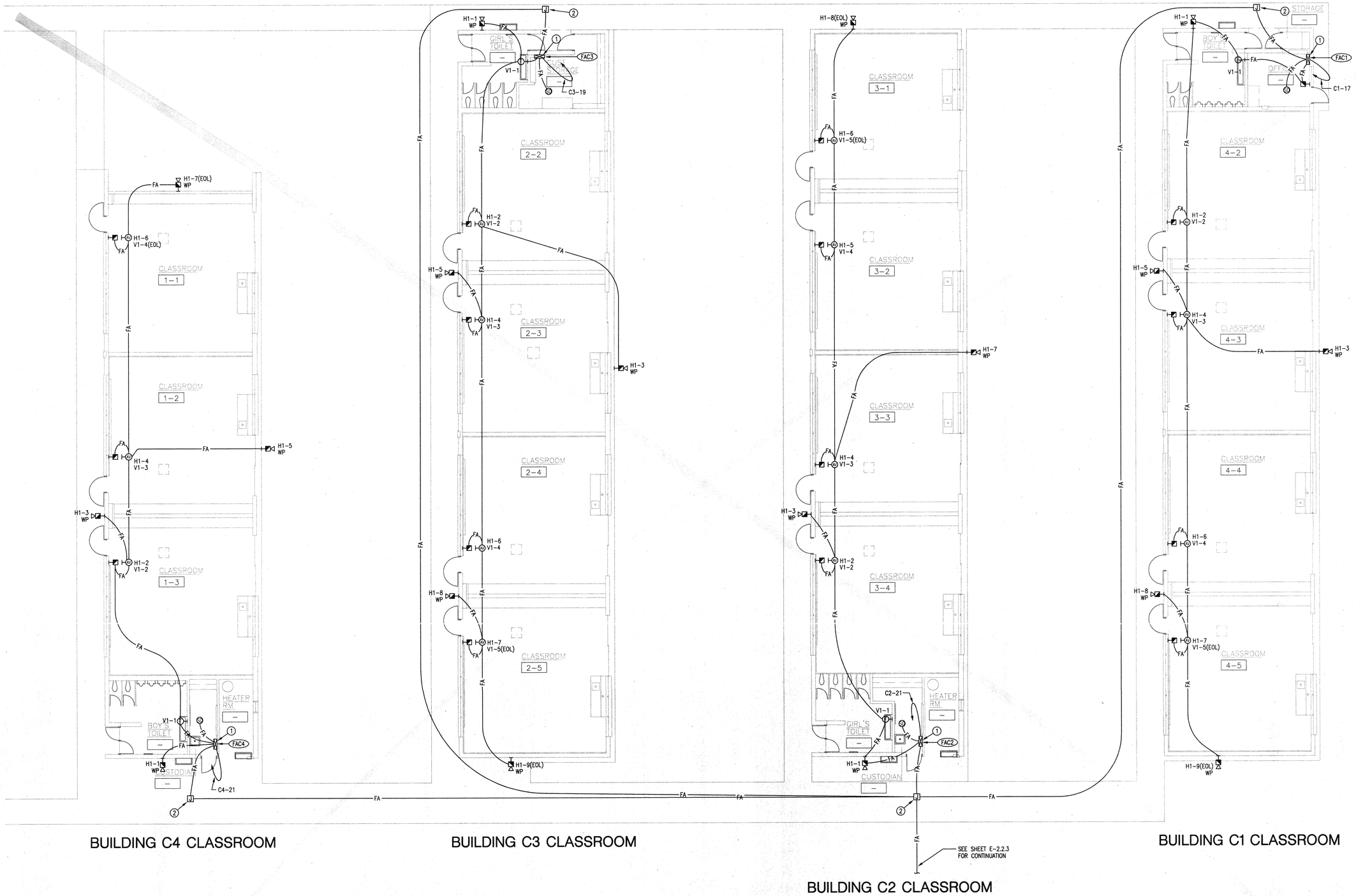
DLE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora ◦ San Diego ◦ Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
POWER PLANS - 1, 2, 3 & 4 BLDGS

DATE 8/15/99
JOB NO. 90189
DRAWN CADD
CHECKED DE

SHEET OF
AD2-5
(E-2.1.2)



BUILDING C4 CLASSROOM

BUILDING C3 CLASSROOM

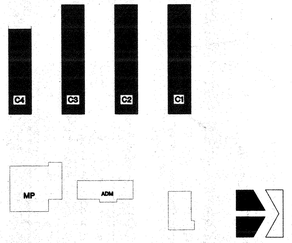
BUILDING C2 CLASSROOM

BUILDING C1 CLASSROOM

TYPICAL FIRE ALARM REFERENCE NOTES:

1. NEW WALL MOUNTED FIRE ALARM REMOTE POWER SUPPLY. V.L.
2. NEW 12"SQ x 6"D NEMA 3R ENCLOSURE MOUNTED ON ROOF OF COVERED WALKWAY.
3. SEE FIRE ALARM RISER DIAGRAM ON SHEET "E/2.3" FOR FIRE ALARM SYMBOLS AND CONDUIT & WIRE SIZE.

KEY PLAN



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4 APPL # 04-101566
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DATE JAN 05 2006

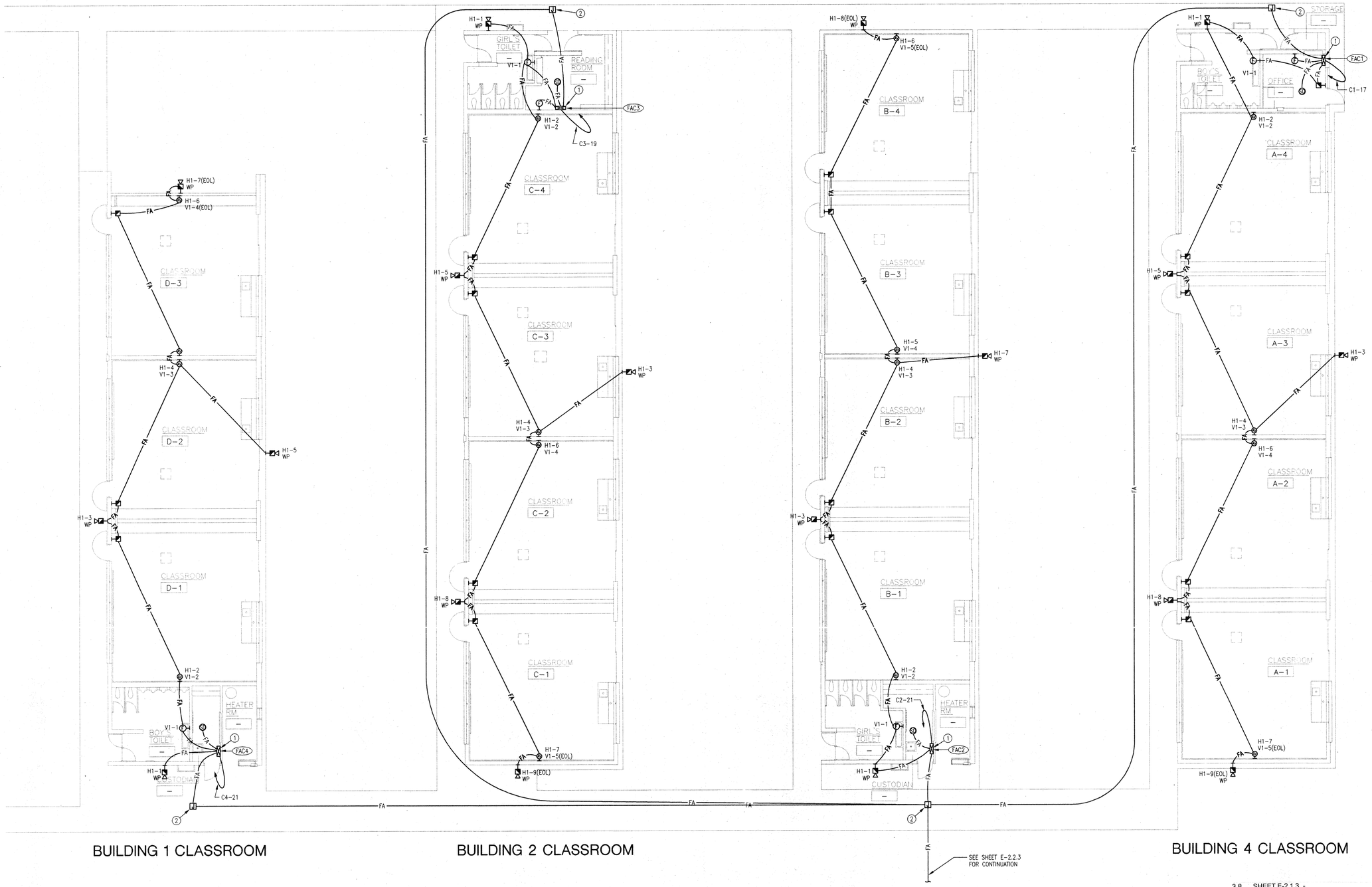
FIRE ALARM PLANS CLASSROOMS C1, C2, C3 & C4 BUILDINGS

SCALE 1/8 " = 1'-0"

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204

NTD
ARCHITECTS
2035 Flanadel Way, Suite 100 Glendora, CA 91741

ATIONS TO
DEDER ELEMENTARY SCHOOL
NSTER SCHOOL DISTRICT
NSTER, CALIFORNIA



BUILDING 1 CLASSROOM

BUILDING 2 CLASSROOM

BUILDING 3 CLASSROOM

BUILDING 4 CLASSROOM

3.8 SHEET E-2.1.3 -

18. **ADDENDUM DRAWING AD1-11** is issued with this Addendum #1 to show:
   a. Relocated fire alarm horn / strobe (AV) throughout.
   b. Added fire alarm strobe (F) at Reading Room - Bldg. #2 and Office Room - Bldg. #4.
   c. Revised buildings name designation.

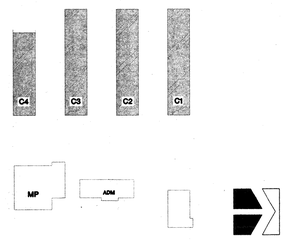
TYPICAL FIRE ALARM REFERENCE NOTES:

NEW WALL MOUNTED FIRE ALARM REMOTE POWER SUPPLY. V.I.

① NEW 12"SQ x 6"D NEMA 3R ENCLOSURE MOUNTED ON ROOF OF COVERED WALKWAY.

② SEE FIRE ALARM RISER DIAGRAM ON SHEET "E/2.3" FOR FIRE ALARM SYMBOLS AND CONDUIT & WIRE SIZE.

KEY PLAN



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OFFICE OF REGULATION SERVICES
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AC _____ FLS _____ SS _____
DATE _____

FIRE ALARM PLANS CLASSROOMS 1, 2, 3 & 4 BUILDINGS

SCALE 1/8 " = 1'-0"

0 | 11 | 01 ADDENDUM #1 ISSUED

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

REGISTERED PROFESSIONAL ENGINEER No. 13592 Exp. 6-30-02 ELECTRICAL STATE OF CALIFORNIA

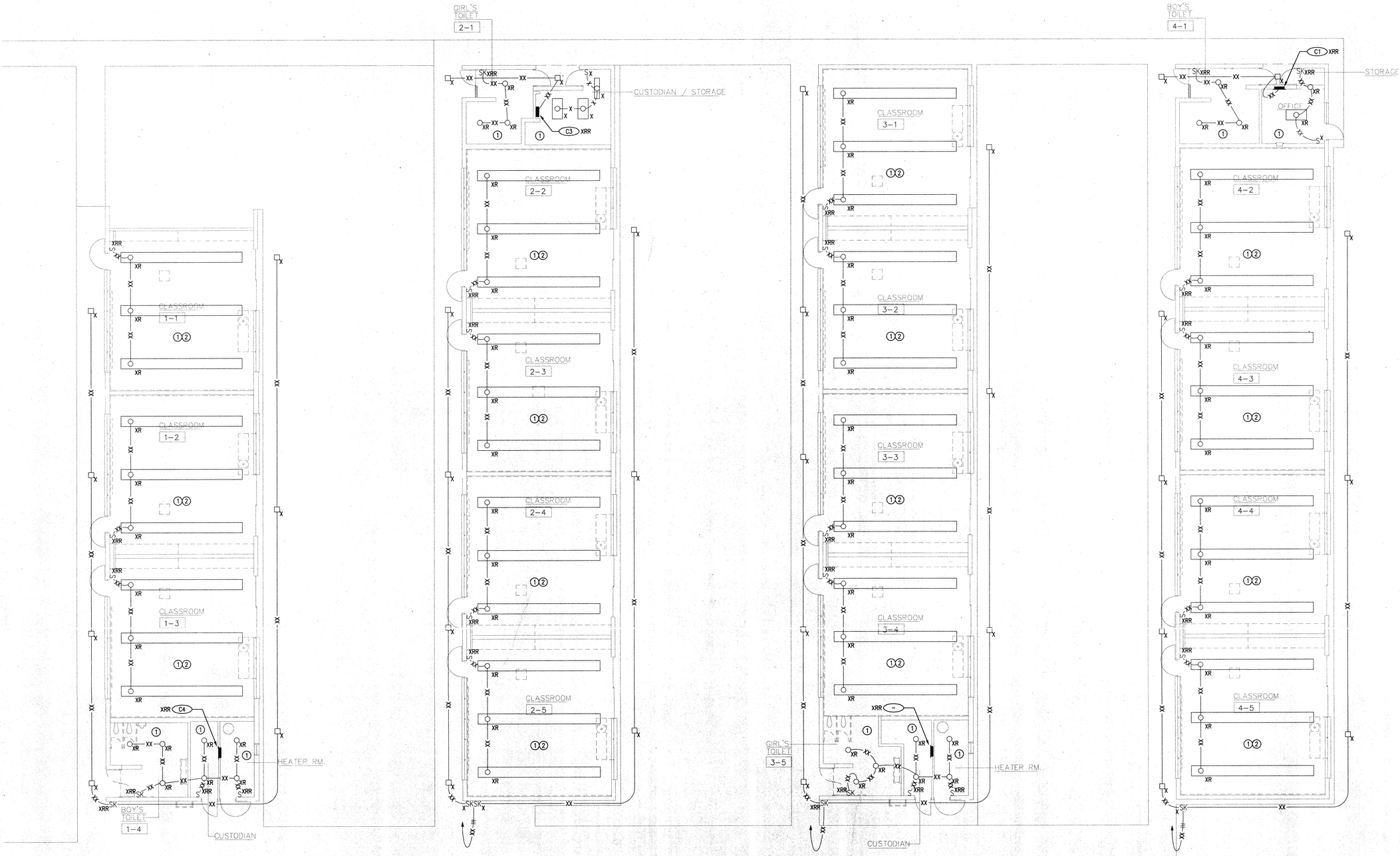
REGISTERED ARCHITECT SAM R. TITLE NO. 12955 EXP. 11-30-01 STATE OF CALIFORNIA

NTD ARCHITECTS
2026 Financial Way, Suite 106 Glendora, CA 91741
Glendora ◦ San Diego ◦ Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
FIRE ALARM PLANS - 1, 2, 3 & 4 BLDGS

DATE 8/15/99
JOB NO. 98189
DRAWN CADD
CHECKED DE

SHEET OF
AD1-11
(E-2.1.3)



BUILDING # 1 DEMO FLR. PLAN

BUILDING # 2 DEMO FLR. PLAN

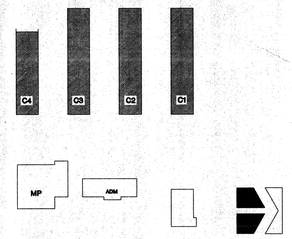
BUILDING # 3 DEMO FLR. PLAN

BUILDING # 4 DEMO FLR. PLAN

TYPICAL DEMOLITION NOTES:

1. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES WITHIN THIS ROOM. REMOVE ALL EXISTING ELECTRICAL HARDWARE ASSOCIATED WITH THE LIGHTING CIRCUITRY (I.E. SWITCHES, CONDUCTORS, CONDUITS AND JUNCTION BOXES.)
2. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING DUPLEX RECEPTACLES WITHIN THIS ROOM. FURNISH AND INSTALL NEW 15A DUPLEX RECEPTACLES AND COVERPLATES AT EACH LOCATION. RE-CONNECT BRANCH CIRCUITRY WIRING TO RE-ESTABLISH CIRCUITRY AS BEFORE

KEY PLAN



DSA APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 APPL # 04-101569
AC ____ FLS ____ SS ____
DATE JAN 05 2000

DEMOLITION PLANS BUILDINGS #1, #2, #3 AND #4

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

9/10/99 DSA PLAN REVIEW SUBMITTAL

JAMES R. TITTLE — LICENSED ARCHITECT — No. 12955 — Exp. 11-30-00 — STATE OF CALIFORNIA

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

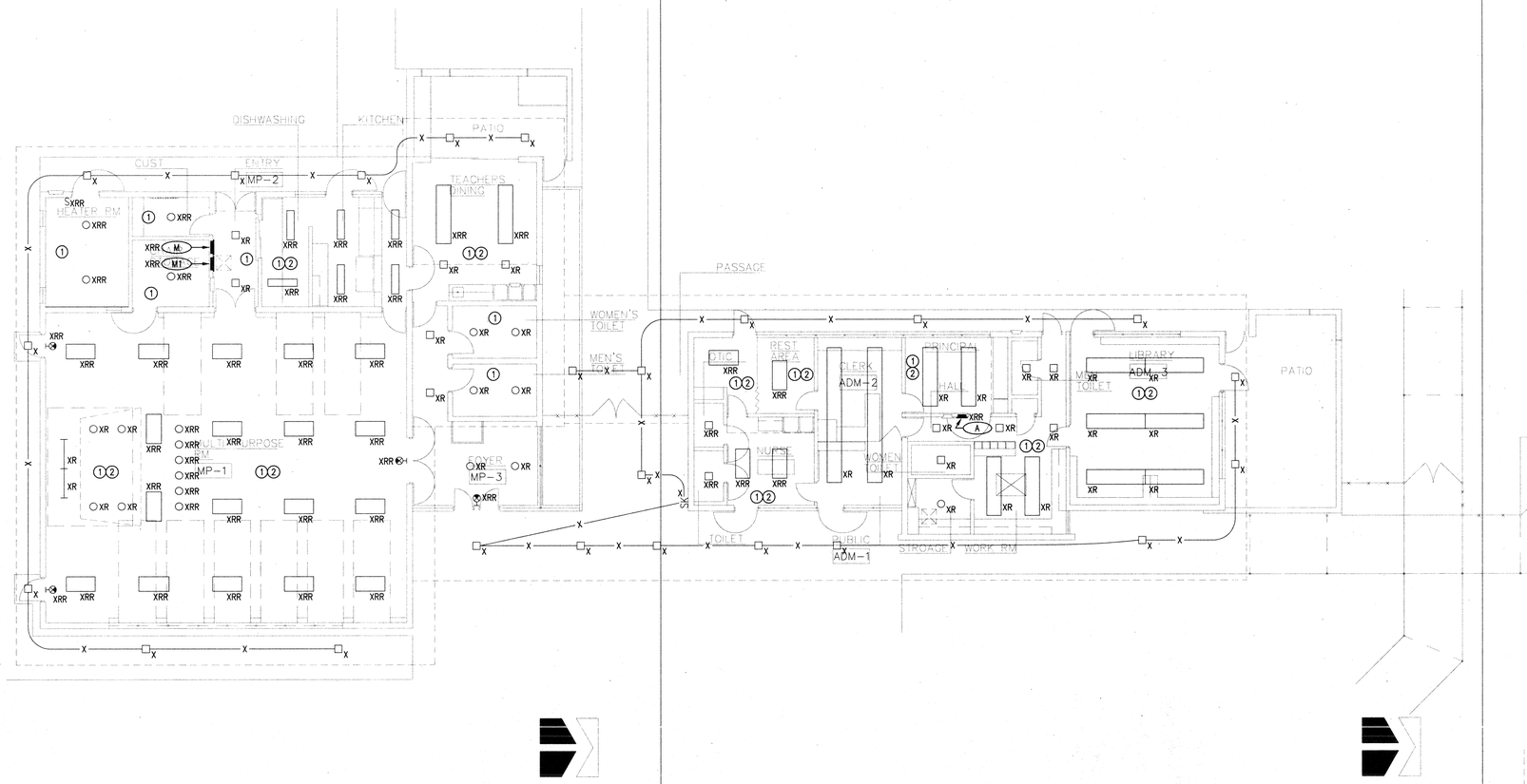
NTD ARCHITECTS
2025 Foothill Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
DEMOLITION PLANS - C1, C2, C3 & C4 BLDGS

DATE 9/10/99
JOB NO. 9818
DRAWN CADD
CHECKED DE

SHEET OF

E-2.1



"MP" BUILDING DEMOLITION PLAN | SCALE 1/8 " = 1'-0"

ADMIN. BUILDING DEMOLITION PLAN | SCALE 1/8 " = 1'-0"

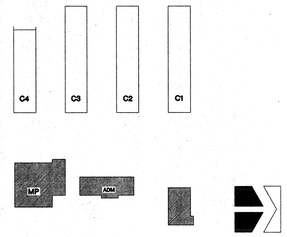
BLDG. "K" DEMOLITION PLAN | SCALE 1/8 " = 1'-0"

TYPICAL DEMOLITION NOTES:

① CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES WITHIN THIS ROOM. REMOVE ALL EXISTING ELECTRICAL HARDWARE ASSOCIATED WITH THE LIGHTING CIRCUITRY (I.E. SWITCHES, CONDUCTORS, CONDUITS AND JUNCTION BOXES.)

② CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING DUPLEX RECEPTACLES WITHIN THIS ROOM. FURNISH AND INSTALL NEW 15A DUPLEX RECEPTACLES AND COVERPLATES AT EACH LOCATION. RE-CONNECT BRANCH CIRCUITRY WIRING TO RE-ESTABLISH CIRCUITRY AS BEFORE

KEY PLAN



DSA APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 APPL #04-101569
AC ____ FLS ____ SS ____
DATE JAN 03 2001

9/10/99 DSA PLAN REVIEW SUBMITTAL

DLE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

LICENSED ARCHITECT JAMES R. TITUS No. 12858 Exp. 11-30-00 STATE OF CALIFORNIA

NTD ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora • San Diego • Auburn

ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
DEMOLITION PLANS MP, ADMIN, KINDER. BLDGS

DATE 9/10/99
JOB NO. 98189
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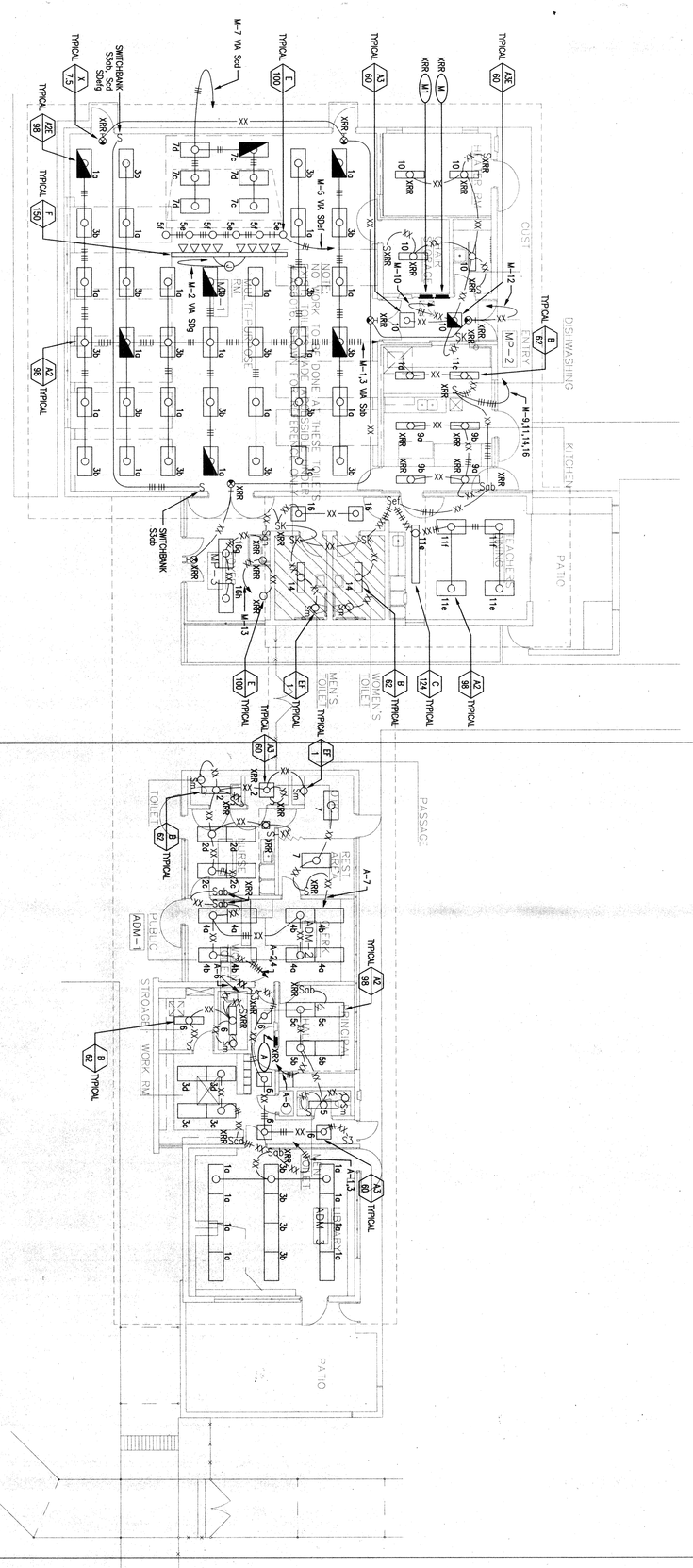
CHECKED DE

SHEET OF

E-2.2



DATE	9/10/99
JOB NO.	98189
DRAWN	CADD
CHECKED	DE

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL

WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

LIGHTING PLANS - M/P, ADMIN. & KINDER. BLDGS

SHEET **E-2.2.1** OF .

NTD
ARCHITECTS
2025 Financial Way, Suite 106 Glendora, CA 91741
Glendora ○ San Diego ○ Auburn

LICENSED ARCHITECT
JAY R. TITTLE
NO. 12965
REN. 11-30-99
STATE OF CALIFORNIA

DE ENGINEERING, GROUP
600 West Broadway
Suite 250
Glendale, Ca. 91204
(818) 265-9720

REGISTERED PROFESSIONAL ENGINEER
No. 13592
Exp. 4/30/03
ELECTRICAL
STATE OF CALIFORNIA

9/10/99	DSA PLAN REVIEW SUBMITTAL

NEW

XRR PANEL A

120/240 VOLTS, 1 PHASE, 3 WIRE — LOCATION ADM. BLDG. — FEEDER — ENTER CAP'T. AT . — MAIN BKR: 100 — 100 A. BUSSING — FLUSH MTG.

LOCATION	WATTAGE Φ A	WATTAGE Φ B	TYP	REC	MISC	CIR	BKR
LIBRARY ADM-3	785	8	-	-	1	#12	20-1
LIBRARY ADM-3		785	8	-	-	1	#12	20-1
PANCHA	535		5	-	1	1	#12	20-1
REST AREA		200	2	-	-	1	#12	20-1
EXISTING TELEPHONE	360		2	-	2	-	#12	20-1
EXISTING ARCHIVE	-	1620	9	-	-	1	#12	20-1
EXISTING NURSE	550		-	-	1	1	#12	20-1
EXISTING NURSE		540	3	-	-	1	#12	20-1
EXISTING WALL	500		-	-	-	1	#12	20-2
		500	-	-	-	1	#12	20-2
EXISTING WORK	720		-	-	4	-	#12	20-1
EXISTING LIBRARY		540	3	-	-	1	#12	20-1
EXISTING AV	625		-	-	-	-	#12	20-2
		625	-	-	-	-	#12	
NEW FIRE ALARM PANEL	500		-	-	1	1	#12	20-1
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-

LOCATION	WATTAGE Φ A	WATTAGE Φ B
BASE	785	
CLERK		640
STORAGE		
EXISTING EXTERIOR		600
EXISTING EXTERIOR	300	
EXISTING EXTERIOR		540
EXISTING EXTERIOR	720	
EXISTING EXTERIOR		540
EXISTING EXTERIOR	540	
EXISTING EXTERIOR		360
EXISTING EXTERIOR	350	
SPARE		0
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		

Φ A = 6095 WATTS — Φ B = 7535 WATTS

TOTAL CONNECTED LOAD: 16190 WATTS OR 67.5 AMPS @ 240 VOLTS ~ 1 ø

LOL: 5060 WATTS x 25% = 1470 WATTS

FDL: 16190 WATTS + 1470 WATTS (LOL) = 17660 WATTS OR 73.6 AMPS

NEW

XRR PANEL M

120/240 VOLTS, 1 PHASE, 3 WIRE — LOCATION MULTI-PURPOSE BLDG. MP-2 — FEEDER — ENTER CAP'T. AT . — MAIN BKR: M.L.O. — 100 A. BUSSING — FLUSH MTG.

LOCATION	WATTAGE Φ A	WATTAGE Φ B	TYP	REC	MISC	CIR	BKR
MULTI-PURPOSE MP-1	1785	18	-	-	1	#12	20-1
MULTI-PURPOSE MP-1		1785	18	-	-	1	#12	20-1
MULTI-PURPOSE MP-1	900		6	-	-	1	#12	20-1
STAGE		360	6	-	-	1	#12	20-1
KITCHEN	250		4	-	-	-	#12	20-1
KITCHEN		540	7	-	-	1	#12	20-1
FOYER	200		2	-	-	-	#12	20-1
EXISTING EXTERIOR		1080	-	-	-	-	#12	20-1
SPARE	0	-	-	-	-	-	#12	20-1
SPARE	-	0	-	-	-	-	#12	20-1
SPARE	0	-	-	-	-	-	#12	20-1
SPARE	-	0	-	-	-	-	#12	20-1
SPARE	0	-	-	-	-	-	#12	20-1
SPARE	-	0	-	-	-	-	#12	20-1
SPARE	0	-	-	-	-	-	#12	20-1
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-

LOCATION	WATTAGE Φ A	WATTAGE Φ B
TRACK LIGHTING 15'	1200	
MEN FIRE ALARM		500
SPARE	0	
SPARE		0
EXISTING LOAD	1180	
EXISTING EXIT		45
WALL	360	
FOYER		320
SPARE	0	
SPARE		0
SPARE	0	
SPARE		0
SPARE	0	
SPARE		0
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		
SPACE		

Φ A = 5540 WATTS — Φ B = 4940 WATTS

TOTAL CONNECTED LOAD: 11080 WATTS OR 46.2 AMPS @ 240 VOLTS ~ 1 ø

LOL: 6340 WATTS x 25% = 1635 WATTS

FDL: 11080 WATTS + 1635 WATTS (LOL) = 12715 WATTS OR 53.0 AMPS

NEW

XRR PANEL K

120/240 VOLTS, 1 PHASE, 3 WIRE — LOCATION BLDG. K, STORAGE — FEEDER — ENTER CAP'T. AT . — MAIN BKR: M.L.O. — 100 A. BUSSING — FLUSH MTG.

LOCATION	WATTAGE Φ A	WATTAGE Φ B	TYP	REC	MISC	CIR	BKR
EXCAVATOR K-1	590		6	-	-	1	#12	20-1
EXCAVATOR K-1		790	11	-	-	1	#12	20-1
STORAGE	615		6	-	2	-	#12	20-1
EXISTING ARCADE		720	4	-	-	2	#12	20-1
EXISTING LOAD	800		-	-	-	-	#12	20-2
		800	-	-	-	-	#12	
EXCAVATOR K-1	250		4	-	-	1	#12	20-1
EXISTING WATER HEATER		1000	-	-	1	1	#12	20-1
SPARE	0		-	-	-	-	#12	20-1
SPARE		0	-	-	-	-	#12	20-1
SPARE	0		-	-	-	-	#12	20-1
SPARE		0	-	-	-	-	#12	20-1
SPARE	0		-	-	-	-	#12	20-1
SPARE		0	-	-	-	-	#12	20-1
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-
SPACE	-	-	-	-	-	-	#12	-

LOCATION	WATTAGE Φ A	WATTAGE Φ B
EXISTING LOAD		0
EXISTING LOAD	0	
STORAGE		1440
EXISTING E-1	600	
EXISTING E-1		1440
EXISTING E-1	720	
SPARE		0
SPARE	0	
NEW FIRE ALARM		500
EXISTING LOAD	820	
		820
SPACE	-	
SPACE		-
SPACE	-	
SPACE		-
SPACE	-	
SPACE		-
SPACE	-	
SPACE		-

Φ A = 5755 WATTS — Φ B = 5550 WATTS

TOTAL CONNECTED LOAD: 11510 WATTS OR 48.0 AMPS @ 240 VOLTS ~ 1 ø

LOL: 2965 WATTS x 25% = 741 WATTS

FDL: 11510 WATTS + 741 WATTS (LOL) = 12251 WATTS OR 51.0 AMPS

ADD. NO. 1

POWER PLAN - MP, ADMIN, & KINDER. BLDGS.

SCALE:

ADDENDUM NO. 1 — DATE: 10/11/01

DSA#: 04-101569 — JOB#:

FILE#:

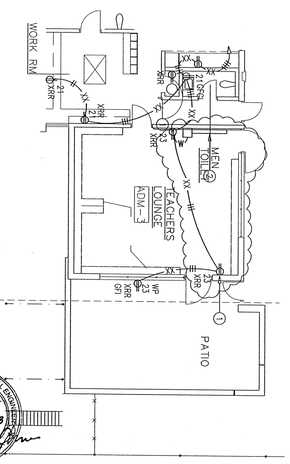
NTD ARCHITECTS — 2607 Fircrest Way, Suite 2B, Glendora, CA 91741 — Glendora · San Diego · Auburn

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA

ISSUED WITH ADDENDUM #1 dated 10/11/01

REGISTERED PROFESSIONAL ENGINEER ARTHUR T. OWEN No. 17361 Exp. 6/30/03 STATE OF CALIFORNIA

A01-8 (E-2.3.2) REFERENCE:



ADD. NO. 1 / ITEM NO. 3.9

POWER PLANS - MP,ADMIN,&KINDER BLDGS.

SCALE:

ADDENDUM NO. 1 — DSA#: 04-101569 — FILE#:

DATE: 10/11/01 — JOB#:

NTD ARCHITECTS — 2607 Fircrest Way, Suite 2B, Glendora, CA 91741 — Glendora · San Diego · Auburn

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA

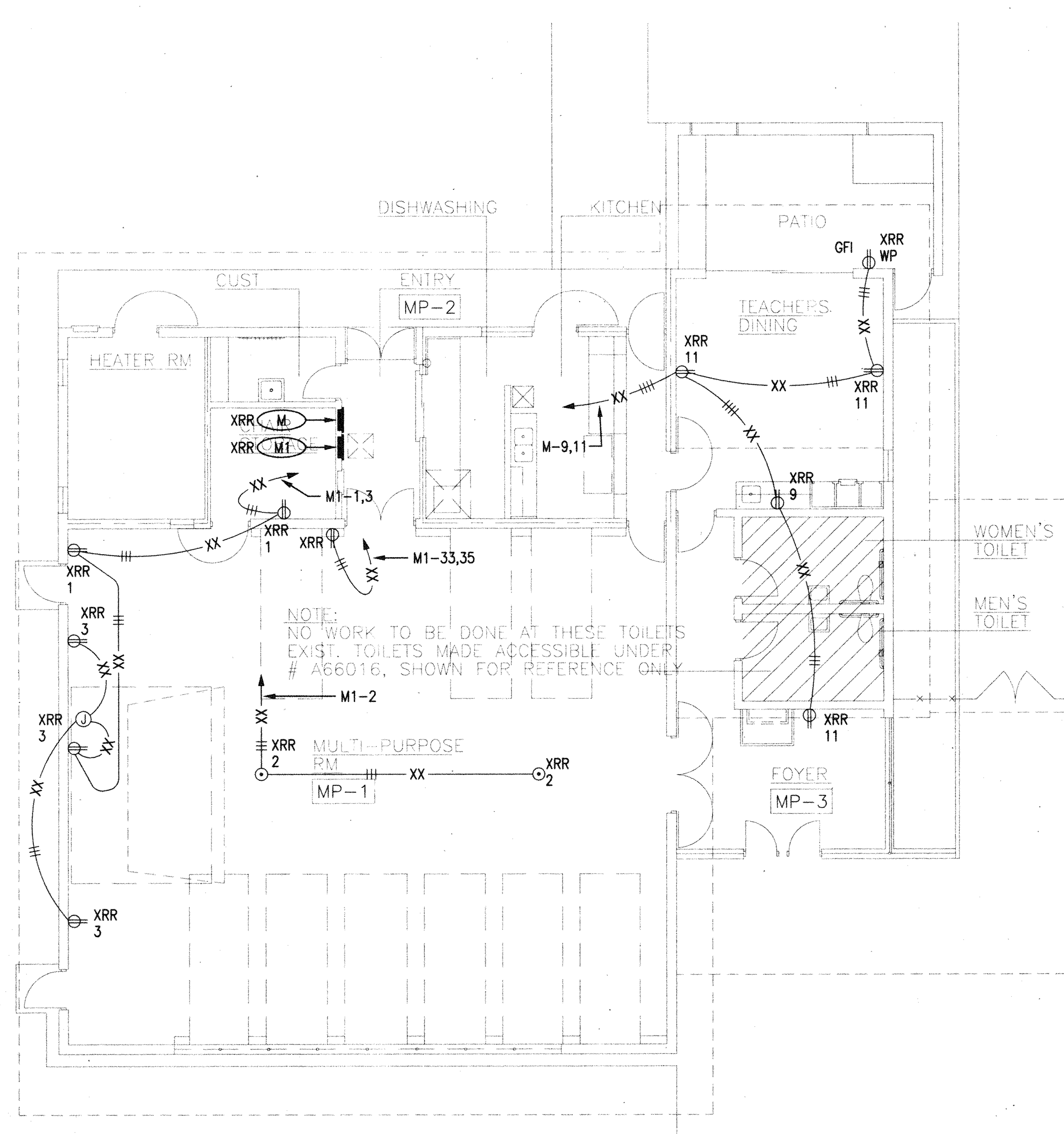
(E-2.2.2) REFERENCE:

ISSUED WITH ADDENDUM #1 dated 10/11/01

A01-6

TYPICAL POWER REFERENCE NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING AND REPLACE WITH SURFACE MOUNTED WIREMOLD BOX. 15A DUPLEX RECEPTACLES AND COVERPLATES.
2. PROVIDE NEW WIREMOLD 4000 SERIES METAL RACEWAY WITH FITTING AND OUTLETS 24" ON CENTER.



"MP" BUILDING POWER PLAN

SCALE 1/8" = 1'-0"

NEW

120/240 VOLTS — **XRR** PANEL A — MAIN BKR: M.L.O.
1 PHASE — LOCATION ADM. BLDG. — 100 A. BUSSING
3 WIRE — FEEDER — ENTER CAB'T. AT . — FLUSH MTG.

LOCATION	WATTAGE φA	WATTAGE φB	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE φA	WATTAGE φB	LOCATION
LIBRARY ADM-3	785		8	·	·	1	20-1	20-1	2	·	·	8	785		NURSE
LIBRARY ADM-3		785	8	·	·	3	20-1	20-1	4	2	·	6		640	CLERK
PRINCIPAL	575		5	·	1	5	20-1	20-1	6	1	·	6	490		STORAGE
REST AREA		200	2	·	·	7	20-1	20-1	8	·	·	·		600	EXISTING EXTERIOR
EXISTING TELEPHONE	360		·	2	·	9	20-1	20-1	10	·	·	·	500		EXISTING EXTERIOR
EXISTING ARCADE		1620	9	·	·	11	20-1	20-1	12	·	3	·		540	EXISTING EXTERIOR
EXISTING NURSE	500		·	·	1	13	20-1	20-1	14	·	4	·	720		EXISTING EXTERIOR
EXISTING NURSE		540	·	3	·	15	20-1	20-1	16	·	·	·		540	EXISTING EXTERIOR
EXISTING HALL	500		·	·	1	17	20-2	20-1	18	·	·	·	540		EXISTING EXTERIOR
.		500	·	·	·	19	·	20-1	20	·	·	·		360	EXISTING EXTERIOR
EXISTING WORK	720		·	4	·	21	20-1	20-1	22	·	·	·	500		EXISTING EXTERIOR
EXISTING LIBRARY		540	·	3	·	23	20-1	20-1	24	·	·	·		350	EXISTING EXTERIOR
EXISTING AV	620		·	·	·	25	20-2	20-1	26	·	·	·	0		SPARE
.		620	·	·	·	27	·	20-1	28	·	·	·		0	SPARE
NEW FIRE ALARM PANEL	500		·	·	1	29	20-1	20-1	30	·	·	·	0		SPARE
.		·	·	·	·	31	·	·	32	·	·	·		·	.
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.	·		·	·	·	41	·	·	42	·	·	·	·		.

φA= 8095 WATTS — φB= 7835 WATTS
TOTAL CONNECTED LOAD: 16190 WATTS OR 67.5 AMPS @ 240 VOLTS – 1 ~
LCL: 5880 WATTS x 25% = 1470 WATTS
FDL: 16190 WATTS + 1470 WATTS (LCL) = 17660 WATTS OR 73.6 AMPS

NEW

120/240 VOLTS — **XRR** PANEL K — MAIN BKR: M.L.O.
1 PHASE — LOCATION BLDG. K, STORAGE — 100 A. BUSSING
3 WIRE — FEEDER — ENTER CAB'T. AT . — FLUSH MTG.

LOCATION	WATTAGE φA	WATTAGE φB	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE φA	WATTAGE φB	LOCATION
KINDERGARTEN K-1	590		6	·	·	1	20-1	20-1	2	·	·	·	0		EXISTING LOAD
KINDERGARTEN K-1		790	11	·	·	3	20-1	20-1	4	·	·	·		0	EXISTING LOAD
STORAGE	615		6	·	2	5	20-1	20-1	6	·	8	·	1440		EXISTING K-1
EXISTING ARCADE		720	4	·	·	7	20-1	20-1	8	·	2	·		400	EXISTING K-1
EXISTING LOAD	800		·	·	·	9	20-2	20-1	10	8	·	·	1440		EXISTING K-1
.		800	·	·	·	11	·	20-1	12	·	4	·		720	EXISTING K-1
KINDERGARTEN K-1	250		4	·	·	13	20-1	20-1	14	·	·	·	0		SPARE
EXISTING WATER HEATER		1000	·	·	1	15	20-1	20-1	16	·	·	·		0	SPARE
SPARE	0		·	·	·	17	20-1	20-1	18	·	·	·	0		SPARE
SPARE		0	·	·	·	19	20-1	20-1	20	·	·	·		500	NEW FIRE ALARM
SPARE	0		·	·	·	21	20-1	20-2	22	·	·	·	620		EXISTING LOAD
SPARE		0	·	·	·	23	20-1	·	24	·	·	·		620	.
SPARE	0		·	·	·	25	20-1	·	26	·	·	·	·		SPACE
SPARE		0	·	·	·	27	20-1	·	28	·	·	·		·	SPACE
SPARE	0		·	·	·	29	20-1	·	30	·	·	·	·		SPACE
.		·	·	·	·	31	·	·	32	·	·	·		·	.
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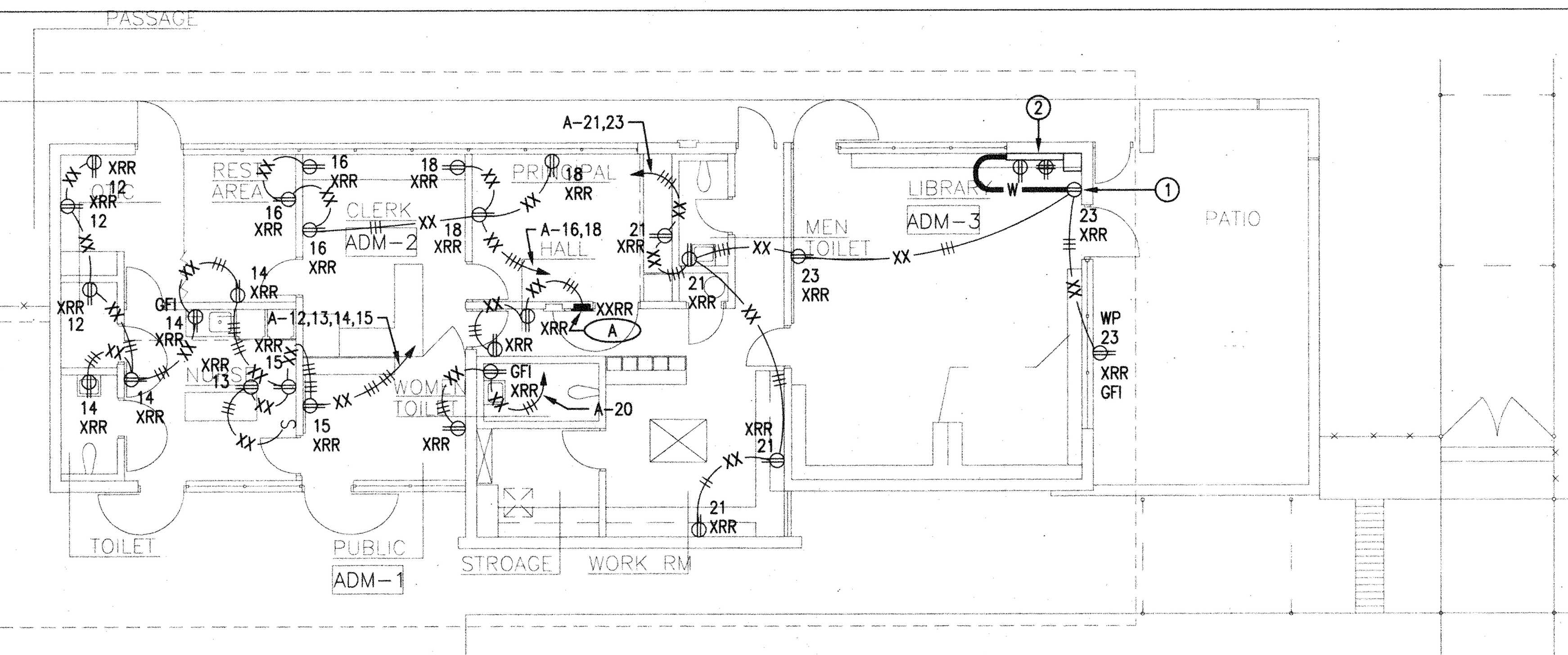
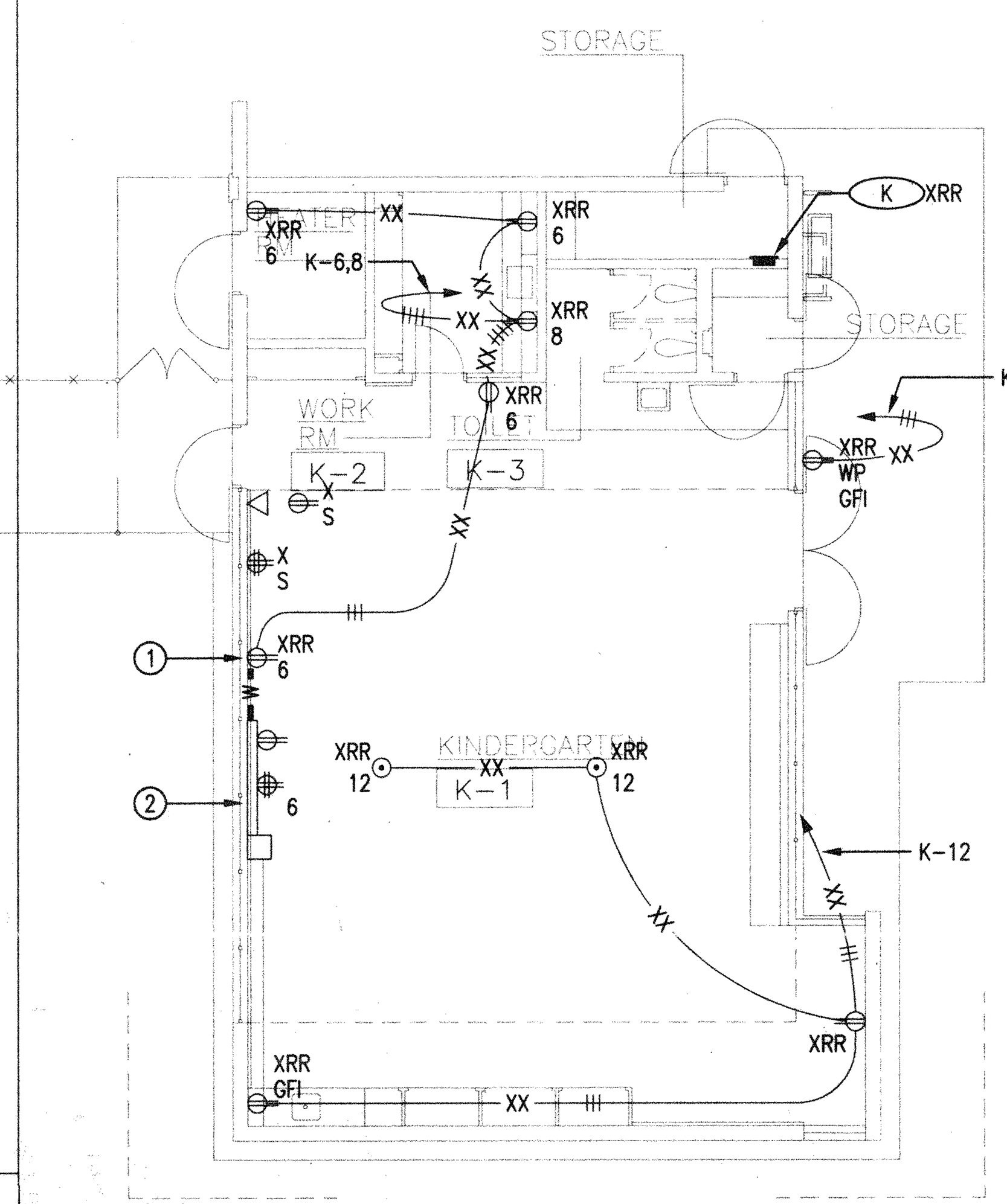
.	·		·	·	·	41	·	·	42	·	·	·	·		.

φA= 5755 WATTS — φB= 5550 WATTS
TOTAL CONNECTED LOAD: 11510 WATTS OR 48.0 AMPS @ 240 VOLTS – 1 ~
LCL: 2965 WATTS x 25% = 741 WATTS
FDL: 11510 WATTS + 741 WATTS (LCL) = 12251 WATTS OR 51.0 AMPS



ADMIN. BUILDING POWER PLAN

SCALE 1/8" = 1'-0"



BLDG. "K" POWER PLAN

SCALE 1/8" = 1'-0"

NEW

120/240 VOLTS — **XRR** PANEL M — MAIN BKR: M.L.O.
1 PHASE — LOCATION MULTI-PURPOSE BLDG. MP-2 — 100 A. BUSSING
3 WIRE — FEEDER — ENTER CAB'T. AT . — FLUSH MTG.

LOCATION	WATTAGE φA	WATTAGE φB	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE φA	WATTAGE φB	LOCATION
MULTI-PURPOSE MP-1	1765		18	·	·	1	20-1	20-1	2	·	·	·	1200		TRACK LIGHTING 16'
MULTI-PURPOSE MP-1		1765	18	·	·	3	20-1	20-1	4	1	·	·		500	NEW FIRE ALARM
MULTI-PURPOSE MP-1	600		6	·	·	5	20-1	20-1	6	·	·	·	0		SPARE
STAGE		590	6	·	·	7	20-1	20-1	8	·	·	·		0	SPARE
KITCHEN	250		4	·	·	9	20-1	20-1	10	·	·	·	1160		EXISTING LOAD
KITCHEN		640	7	·	·	11	20-1	20-1	12	·	·	6		45	EXISTING EXIT
FOYER	200		2	·	·	13	20-1	20-1	14	2	·	2	365		TOILET
EXISTING EXTERIOR		1080	·	·	·	15	20-1	20-1	16	·	·	4		320	FOYER
SPARE	0		·	·	·	17	20-1	20-1	18	·	·	·	0		SPARE
SPARE		0	·	·	·	19	20-1	20-1	20	·	·	·		0	SPARE
SPARE	0		·	·	·	21	20-1	20-1	22	·	·	·	0		SPARE
SPARE		0	·	·	·	23	20-1	20-1	24	·	·	·		0	SPARE
SPARE	0		·	·	·	25	20-1	20-1	26	·	·	·	0		SPARE
SPARE		0	·	·	·	27	20-1	20-1	28	·	·	·		0	SPARE
SPARE	0		·	·	·	29	20-1	20-1	30	·	·	·	0		SPARE
.		·	·	·	·	31	·	·	32	·	·	·		·	.
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.	·		·	·	·	41	·	·	42	·	·	·	·		.

φA= 5540 WATTS — φB= 4940 WATTS
TOTAL CONNECTED LOAD: 11080 WATTS OR 46.2 AMPS @ 240 VOLTS – 1 ~
LCL: 6540 WATTS x 25% = 1635 WATTS
FDL: 11080 WATTS + 1635 WATTS (LCL) = 12715 WATTS OR 53.0 AMPS

NEW

120/240 VOLTS — **XRR** PANEL M1 — MAIN BKR: M.L.O.
1 PHASE — LOCATION MULTI-PURPOSE BLDG. — 200 A. BUSSING
3 WIRE — FEEDER — ENTER CAB'T. AT . — FLUSH MTG.

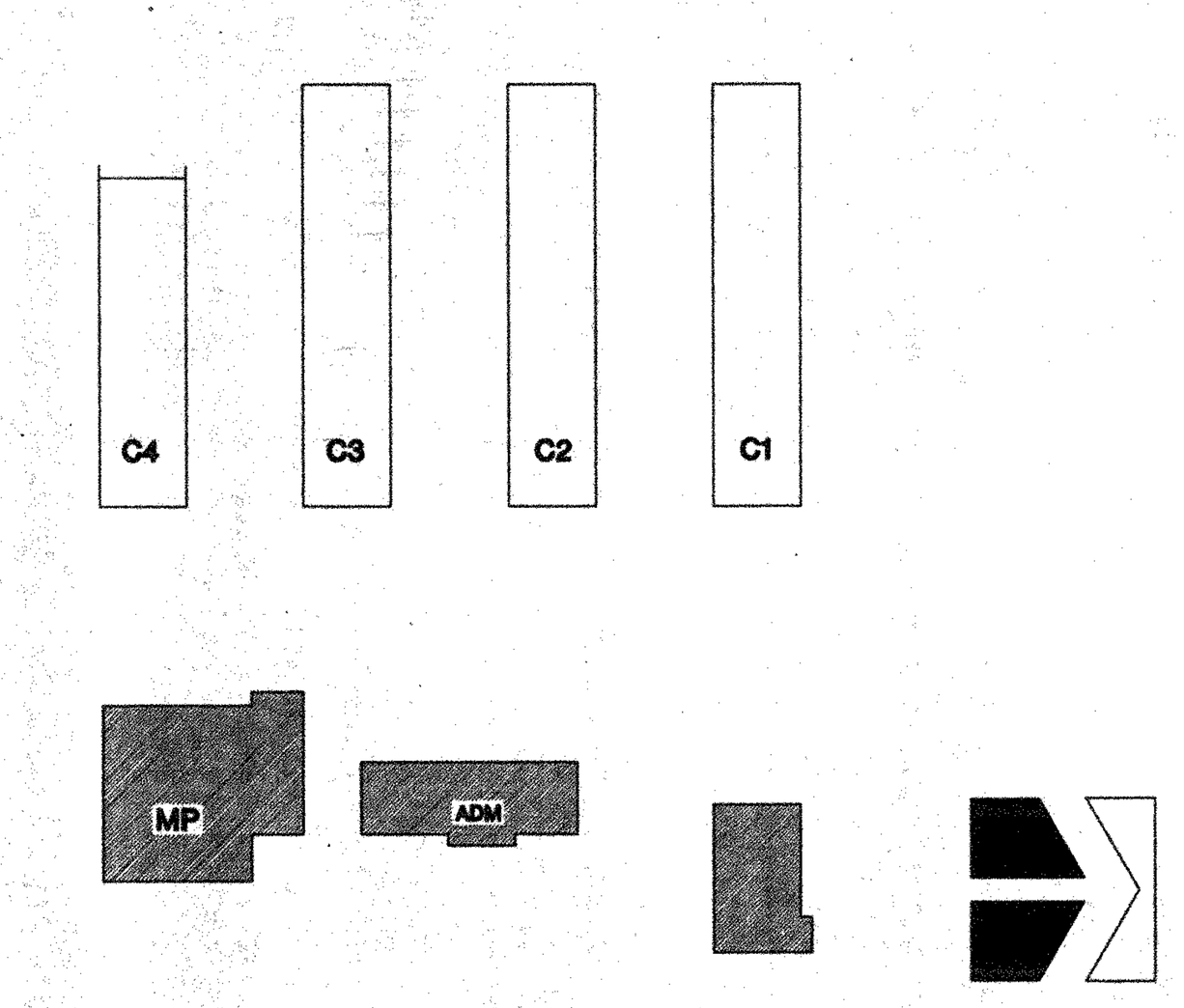
LOCATION	WATTAGE φA	WATTAGE φB	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE φA	WATTAGE φB	LOCATION
EXISTING LOAD	500		·	·	·	1	20-1	20-1	2	·	·	·	400		EXISTING LOAD
EXISTING LOAD		600	·	·	·	3	20-1	20-1	4	·	·	·		400	EXISTING LOAD
EXISTING LOAD	1000		·	·	·	5	20-1	20-1	6	·	·	·	620		EXISTING LOAD
EXISTING LOAD		1000	·	·	·	7	20-1	20-1	8	·	·	·		400	EXISTING LOAD
EXISTING LOAD	500		·	·	·	9	20-1	20-1	10	·	·	·	800		EXISTING LOAD
EXISTING LOAD		800	·	·	·	11	20-1	20-1	12	·	·	·		500	EXISTING LOAD
EXISTING LOAD	720		·	·	·	13	20-1	20-1	14	·	·	·	700		EXISTING LOAD
EXISTING LOAD		700	·	·	·	15	20-1	20-1	16	·	·	·		700	EXISTING LOAD
EXISTING LOAD	500		·	·	·	17	20-1	20-1	18	·	·	·	500		EXISTING LOAD
SPARE		0	·	·	·	19	20-1	20-1	20	·	·	·		0	SPARE
SPARE	0		·	·	·	21	20-1	20-1	22	·	·	·	0		SPARE
SPARE		0	·	·	·	23	20-1	20-1	24	·	·	·		0	SPARE
EXISTING LOAD	620		·	·	·	25	20-2	20-2	26	·	·	·	780		EXISTING LOAD
.		620	·	·	·	27	·	·	28	·	·	·		780	.
EXISTING LOAD	450		·	·	·	29	20-2	20-2	30	·	·	·	450		EXISTING LOAD
.		450	·	·	·	31	·	·	32	·	·	·		450	.
EXISTING LOAD	450		·	·	·	33	20-2	50-2	34	·	·	·	4000		EXISTING LOAD
.		450	·	·	·	35	·	·	36	·	·	·		4000	.
SPACE	0		·	·	·	37	·	·	38	·	·	·	0		SPACE
SPACE		0	·	·	·	39	·	·	40	·	·	·		0	SPACE
SPACE	0		·	·	·	41	·	·	42	·	·	·	0		SPACE

φA= 12990 WATTS — φB= 11850 WATTS
TOTAL CONNECTED LOAD: 25980 WATTS OR 108.3 AMPS @ 240 VOLTS – 1 ~
LCL: 0 WATTS
FDL: 25980 WATTS + 0 WATTS (LCL) = 25980 WATTS OR 108.3 AMPS

3.9 SHEET E-2.2.2 -

19. **ADDENDUM DRAWING AD1-6** is issued with this Addendum #1 to show:
    - a. Relocated wiremold in Library Room, Administration Bldg.
    - b. Revised panel schedules for Panels "A", "K", and "M".

KEY PLAN



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4 APPL # 04-101569
AC ____ FLS ____ SS ____
DATE JAN 05 2000

9/10/99 DSA PLAN REVIEW SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER ARTHUR T. OWEN No. 13592 Exp. 6/30/03 ELECTRICAL STATE OF CALIFORNIA

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Glendora ∘ San Diego ∘ Auburn

ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

POWER PLANS - M/P, ADMIN. & KINDER. BLDGS

DATE 9/10/99
JOB NO. 98189
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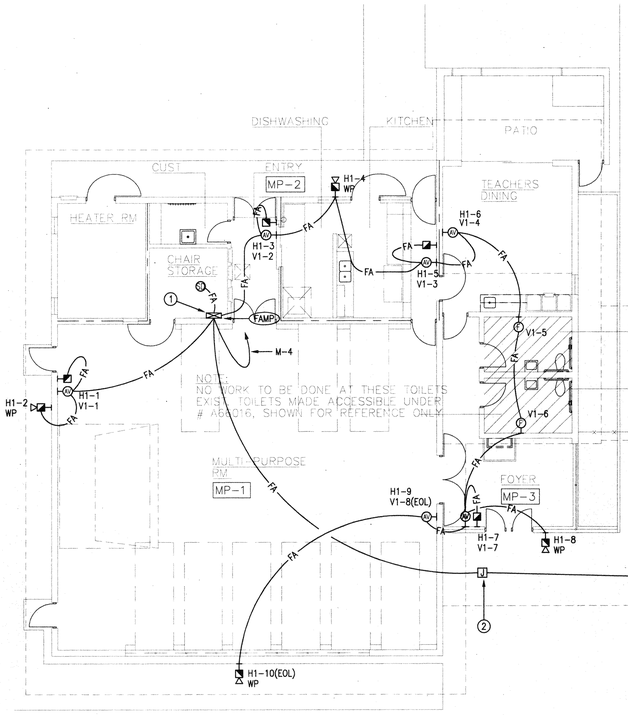
CHECKED DE

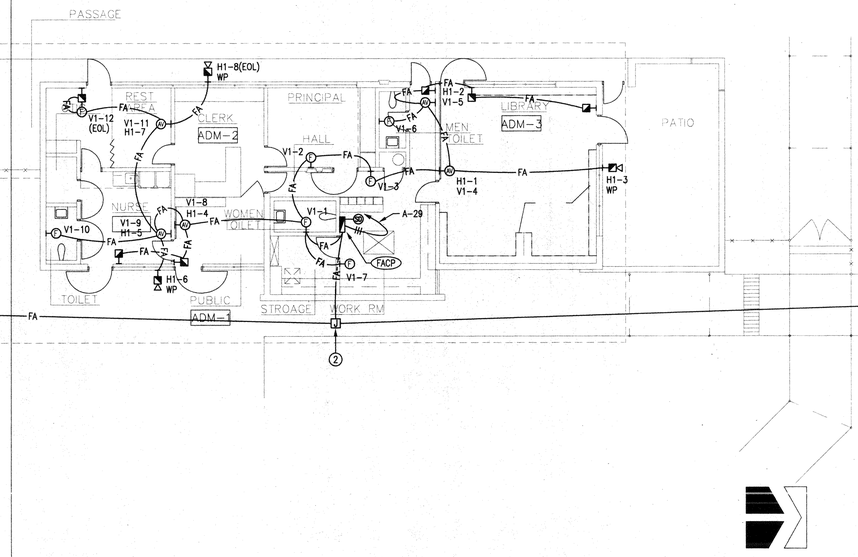
SHEET OF .

E-2.2.2



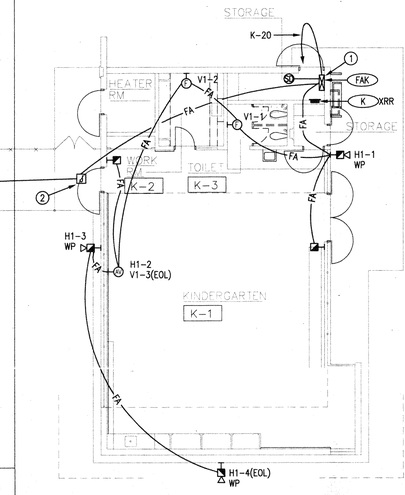
"MP" BUILDING FIRE ALARM PLAN

SCALE 1/8 " = 1'-0"



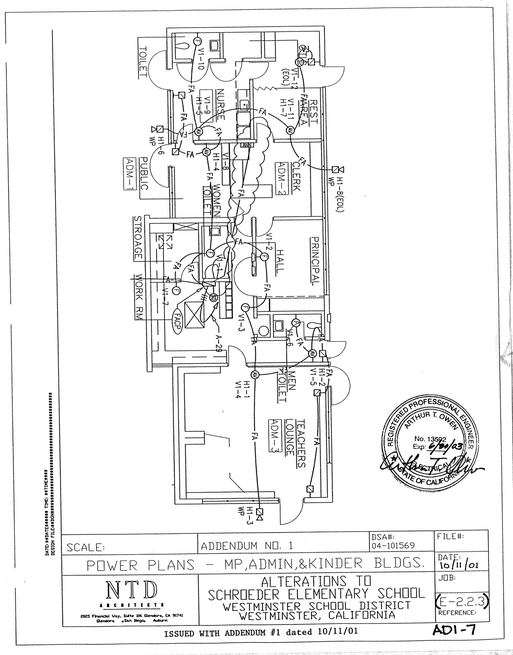
ADMIN. BUILDING FIRE ALARM PLAN

SCALE 1/8 " = 1'-0"



BLDG. "K" FIRE ALARM PLAN

SCALE 1/8 " = 1'-0"



SCALE:	ADDENDUM NO. 1	DSA#: 04-101569	FILE#:
POWER PLANS - MP,ADMIN,&KINDER BLDGS.			DATE: 10/11/01
NTD ARCHITECTS 2025 Financial Way, Suite 206 Glendora, CA 91741 Glendora • San Diego • Auburn	ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL WESTMINSTER SCHOOL DISTRICT WESTMINSTER, CALIFORNIA		JOB: (E-2.2.3) REFERENCE

ISSUED WITH ADDENDUM #1 dated 10/11/01

AD1-7

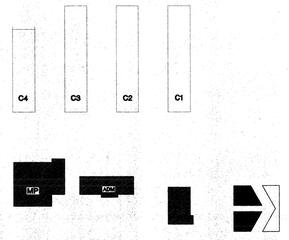
3.10 SHEET E-2.2.3 -

20. ADDENDUM DRAWING AD1-7 is issued with this Addendum #1 to show:
    a. Added fire alarm annunciator in Clerk Area, Administration Bldg.

TYPICAL FIRE ALARM REFERENCE NOTES:

1. NEW WALL MOUNTED FIRE ALARM REMOTE POWER SUPPLY. V.I.
2. NEW 12"SQ x 6"D NEMA 3R ENCLOSURE MOUNTED ON ROOF OF COVERED WALKWAY.
3. SEE FIRE ALARM RISER DIAGRAM FOR CONDUIT AND WIRE SIZE.

KEY PLAN



DSA APPROVALS

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ALTERATIONS TO
SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA
FIRE ALARM PLANS - M/P, ADMIN. & KINDER. BLDGS

DATE 8/15/99
JOB NO. 9818B
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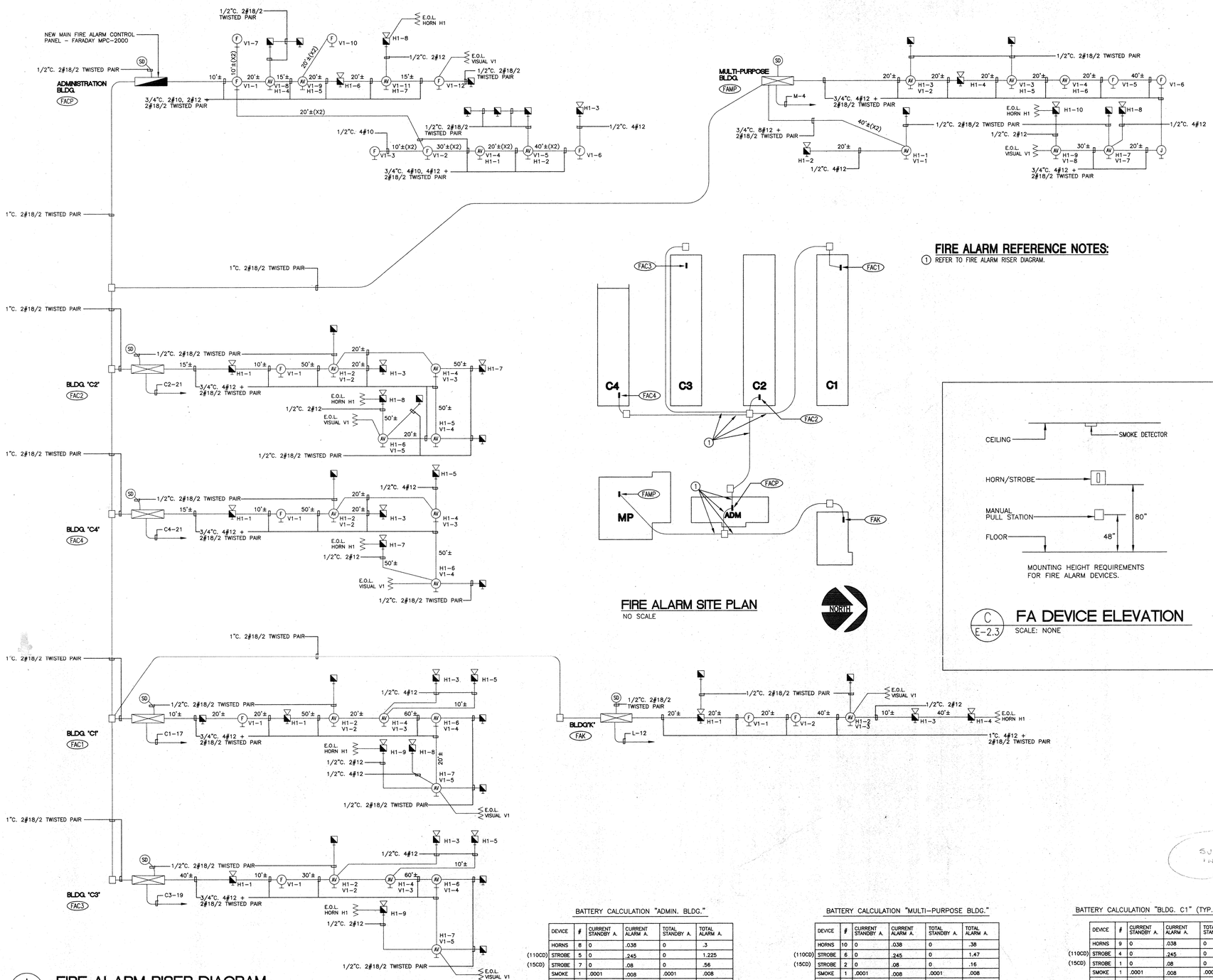
SHEET OF .

E-2.2.3



A E-2.3 **FIRE ALARM RISER DIAGRAM**
NOT TO SCALE

NOTE:
ALL ITEMS SHOWN ON THIS RISER DIAGRAM ARE NEW UNLESS OTHERWISE NOTED.

LEGEND

- AV – AUDIO VISUAL DEVICE–FARADAY #6304B–L–CSFM #7135–0065:145 (110 CANDELA)
- F – VISUAL DEVICE–FARADAY #2700B–E CSFM #7125–0065:154 (15 CANDELA)
- MANUAL PULL STATION–FARADAY #FIGT\9158 CSFM #7150–0065:104\7300–1209:104
- EXTERIOR HORN–FARADAY #6230B–O CSFM #7135–0065:126 + 30" A.F.G.
- FIRE ALARM CONTROL PANEL–FARADAY MPC–2000 CSFM #7165–0065:123
- REMOTE POWER SUPPLY–FARADAY RSE100 CSFM #7300–0065:149
- SD – SMOKE DETECTOR–FARADAY #9152 CSFM #7272–1209:107

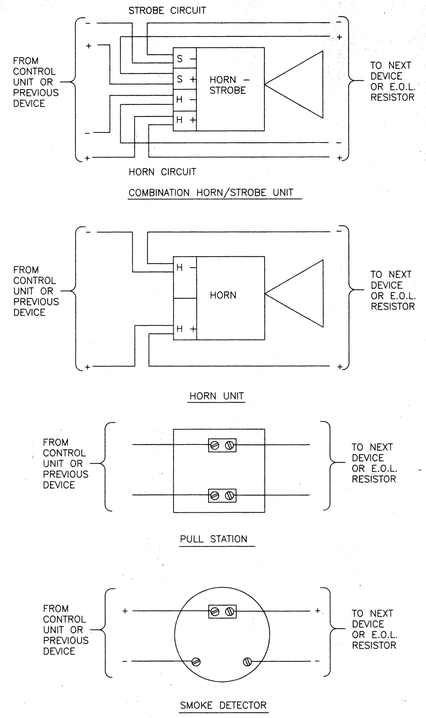
FIRE ALARM SITE PLAN
NO SCALE

NORTH

FIRE ALARM REFERENCE NOTES:
(1) REFER TO FIRE ALARM RISER DIAGRAM.

MOUNTING HEIGHT REQUIREMENTS FOR FIRE ALARM DEVICES.

C E-2.3 **FA DEVICE ELEVATION**
SCALE: NONE



B E-2.3 **TYPICAL DEVICE WIRING**
SCALE: NONE

SEQUENCE OF OPERATION	BUILDING POWER FAILURE	AREA SMOKE DETECTOR	PULL STATION
ANNUNCIATE AT FIRE CONTROL PANEL (ALARM, SUPERVISION & TROUBLE)	YES	YES	YES
SOUND CONTROL PANEL TROUBLE BUZZER	YES	ON WIRING FAULT	ON WIRING FAULT
ACTIVATE AUDIBLE ALARM SIGNALS (UNTIL SILENCE)	NO	YES	YES
ACTIVATE VISUAL ALARM SIGNALS (UNTIL RESET)	NO	YES	YES

BATTERY CALCULATION "ADMIN. BLDG."

	DEVICE	#	CURRENT STANDBY A.	CURRENT ALARM A.	TOTAL STANDBY A.	TOTAL ALARM A.
	HORNS	8	0	.038	0	.3
(110CD)	STROBE	5	0	.245	0	1.225
(15CD)	STROBE	7	0	.08	0	.56
	SMOKE	1	.0001	.008	.0001	.008
	F. ALARM CONTROL PANEL	1	.1	5.012	.1	5.012
			TOTAL STANDBY CURRENT		.1001	
				TOTAL ALARM CURRENT		7.109

ALARM CURRENT X ALARM TIME /60 = AMP/HR FOR ALARM
7.109 X 5/60 = 0.592 AMP HR.
STANDBY CURRENT X 24 HRS = AMP/HR FOR ALARM
.1001 X 24 = 2.402 AMP HR.
TOTAL = 2.99 AMP HR
BATTERY SIZE = 24 AMP HR.

VISUAL CIRCUIT V1: 5 VISUAL DEVICES @ .245A. EACH = 1.23A X 380' X 21.5 / 10380 (#10) = .96 VD
VISUAL CIRCUIT V1: 7 VISUAL DEVICES @ .08A. EACH = .56A X 380' X 21.5 / 10380 (#10) = 0.44 VD
TOTAL = 1.4 VD
1.4VD / 24V. X 100 = 5.85%

WORST CASE VOLTAGE DROP CALCULATION

BATTERY CALCULATION "MULTI-PURPOSE BLDG."

	DEVICE	#	CURRENT STANDBY A.	CURRENT ALARM A.	TOTAL STANDBY A.	TOTAL ALARM A.
	HORNS	10	0	.038	0	.38
(110CD)	STROBE	6	0	.245	0	1.47
(15CD)	STROBE	2	0	.08	0	.16
	SMOKE	1	.0001	.008	.0001	.008
	POWER SUPPLY	1	0	0	0	0
			TOTAL STANDBY CURRENT		.0001	
				TOTAL ALARM CURRENT		2.02

ALARM CURRENT X ALARM TIME /60 = AMP/HR FOR ALARM
2.02 X 5/60 = 0.17 AMP HR.
STANDBY CURRENT X 24 HRS = AMP/HR FOR ALARM
.0001 X 24 = .0024 AMP HR.
TOTAL = .17 AMP HR
BATTERY SIZE = 7 AMP HR.

VISUAL CIRCUIT V1: 6 VISUAL DEVICES @ .245A. EACH = 1.47A X 190' X 21.5 / 6530 (#12) = .92 VD
VISUAL CIRCUIT V1: 2 VISUAL DEVICES @ .08A. EACH = .16A X 190' X 21.5 / 6530 (#12) = .10 VD
TOTAL = 1.02 VD
1.02VD / 24V. X 100 = 4.25%

WORST CASE VOLTAGE DROP CALCULATION

BATTERY CALCULATION "BLDG. C1" (TYP. FOR " BLDG. C3, C2 & C4")

	DEVICE	#	CURRENT STANDBY A.	CURRENT ALARM A.	TOTAL STANDBY A.	TOTAL ALARM A.
	HORNS	9	0	.038	0	.34
(110CD)	STROBE	4	0	.245	0	.98
(15CD)	STROBE	1	0	.08	0	.08
	SMOKE	1	.0001	.008	.0001	.008
	POWER SUPPLY	1	0	0	0	0
			TOTAL STANDBY CURRENT		.0001	
				TOTAL ALARM CURRENT		1.41

ALARM CURRENT X ALARM TIME /60 = AMP/HR FOR ALARM
1.41 X 5/60 = 0.12 AMP HR.
STANDBY CURRENT X 24 HRS = AMP/HR FOR ALARM
.0001 X 24 = .0024 AMP HR.
TOTAL = .12 AMP HR
BATTERY SIZE = 7 AMP HR.

VISUAL CIRCUIT V1: 4 VISUAL DEVICES @ .245A. EACH = .98A X 200' X 21.5 / 6530 (#12) = .65 VD
VISUAL CIRCUIT V1: 1 VISUAL DEVICE @ .08A. EACH = .08A X 200' X 21.5 / 6530 (#12) = .05 VD
TOTAL = .7 VD
.7VD / 24V. X 100 = 2.91%

WORST CASE VOLTAGE DROP CALCULATION

BATTERY CALCULATION "BLDG. K"

	DEVICE	#	CURRENT STANDBY A.	CURRENT ALARM A.	TOTAL STANDBY A.	TOTAL ALARM A.
	HORNS	4	0	.038	0	.15
(110CD)	STROBE	1	0	.245	0	.245
(15CD)	STROBE	2	0	.08	0	.16
	SMOKE	1	.0001	.008	.0001	.008
	POWER SUPPLY	1	0	0	0	0
			TOTAL STANDBY CURRENT		.0001	
				TOTAL ALARM CURRENT		.57

ALARM CURRENT X ALARM TIME /60 = AMP/HR FOR ALARM
.57 X 5/60 = 0.05 AMP HR.
STANDBY CURRENT X 24 HRS = AMP/HR FOR ALARM
.0001 X 24 = .0024 AMP HR.
TOTAL = .05 AMP HR
BATTERY SIZE = 7 AMP HR.

VISUAL CIRCUIT V1: 1 VISUAL DEVICE @ .245A. EACH = 245A X 100' X 21.5 / 6530 (#12) = .08 VD
VISUAL CIRCUIT V1: 2 VISUAL DEVICES @ .08A. EACH = .16A X 100' X 21.5 / 6530 (#12) = .05 VD
TOTAL = .13 VD
.13VD / 24V. X 100 = .56%

WORST CASE VOLTAGE DROP CALCULATION

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ALTERATIONS TO SCHROEDER ELEMENTARY SCHOOL
WESTMINSTER SCHOOL DISTRICT
WESTMINSTER, CALIFORNIA

FIRE ALARM RISER DIAGRAM

DATE 8/15/99
JOB NO. 98189
DRAWN CAD
CHECKED D. EVANS

SHEET OF
E-2.3

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