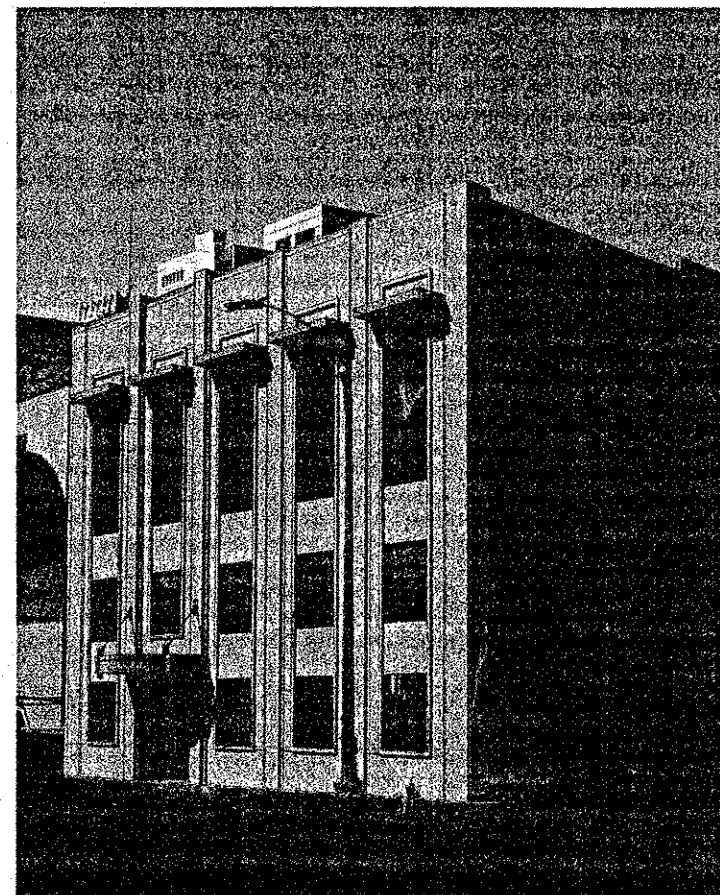


ACWMA OFFICE BUILDING 1537 WEBSTER STREET OAKLAND, CA CONSTRUCTION SET



KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FX: 510.446.2242
www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS

COVER

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDM 3 03-13-04

© COPYRIGHT 2006



DATE: 02-21-06

DRAWN BY: JS

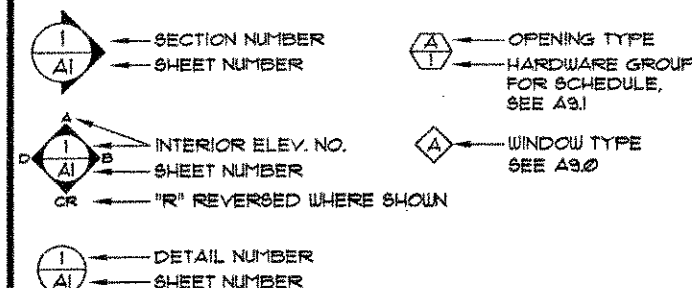
JOB NO.: 2513

A0.0

ABBREVIATIONS:

AB. ANCHOR BOLT	GVL. GRAVEL
ADJ. ADJACENT	H.B. HOSE BIB
AF. ABOVE FINISHED FLOOR	H.C. HOLLOW CORE
ALUM. ALUMINUM	HDR. HEADER
AND AND	HDWD. HARDWOOD
AP. ACCESS PANEL	HORIZ. HORIZONTAL
APPROX. APPROXIMATELY	HT. HEIGHT
AT AT	H.W.H. HOT WATER HEATER
BD. BOARD	INSUL. INSULATION
BLDG. BUILDING	JST. JOIST
BLKG. BLOCKING	LAV. LAVATORY
BM. BEAM	LT. LIGHT
B.O. BOTTOM OF	MAT'L. MATERIAL
BTW. BETWEEN	MAX. MAXIMUM
CB. CATCH BASIN	MB. MACHINE BOLT
CEM. CEMENT	MEZZ. MEZZANINE
CJ. CONTROL JOINT	MFR. MANUFACTURER
CL. CLOSET	MIN. MINIMUM
CL. CENTER LINE	MTL. METAL
C.I.P. CAST IN PLACE	(N) NEW
CLG. CEILING	N.I.C. NOT IN CONTRACT
CLR. CLEAR	N.T.S. NOT TO SCALE
CMU. CONCRETE MASONRY UNIT	N.R. NON RATED
CNTR. CONTRACTOR	* NUMBER
COL. COLUMN	O.C. ON CENTER
CONC. CONCRETE	OPNG. OPENING
CONN. CONNECTION	OVHD. OVERHEAD
CONST. CONSTRUCTION	PLAS. PLASTER
CONT. CONTINUOUS	PL. PLATE
C.P.T. CARPET	IE. PROPERTY LINE
C.T. CERAMIC TILE	* PLUS OR MINUS
CTR. CENTER	PLYWD. PLYWOOD
D. DRAIN	FINTD. FINISHED
DBL. DOUBLE	R. RADIUS
DEMO. DEMOLISH OR DEMOLITION	R.C. REINFORCED CONCRETE
DET. DETAIL	RD. ROOF DRAIN
DF. DRINKING FOUNTAIN	REQ. REQUIRED
DIA. DIAMETER	REQMT. REQUIREMENT
DIM. DIMENSION	RM. ROOM
DN. DOWN	R.W.L. RAIN WATER LEADER
DR. DOOR	S.C. SOLID CORE
D.S. DOWNSPOUT	SFGL. SAFETY GLASS
DWG. DRAWING	SHT. SHEET
(E) EXISTING	SHWR. SHOWER
EA. EACH	SIM. SIMILAR
ELEC. ELECTRICAL	SLDG. SLIDING
EPS. EXPANDED POLYSTYRENE	S.F. SQUARE FEET
EQ. EQUAL	S.S.T. STAINLESS STEEL
EXIST. EXISTING	SEE STRUCTURAL
EXP. EXPOSED	DRAWINGS
EXP. J.T. EXPANSION JOINT	STEEL
EXT. EXTERIOR	ST'L. STORAGE
FD. FLOOR DRAIN	TEMP. TEMPERED
F.F.L. FINISH FLOOR LEVEL	THRESH. THRESHOLD
FIN. FINISH	TERM. TERMINATION
FLASH. FLASHING	T.O. TOP OF
FLR. FLOOR	T.O.S. TOP OF SLAB
FND. FOUNDATION	T.O.W. TOP OF WALL
F.O.F. FACE OF FINISH	T.P.D. TOILET PAPER DISPENSER
F.O.S. FACE OF STUD	TYP. TYPICAL
FRP. FIBERGLASS REINFORCED POLYESTER	UR. URINAL
FT. FOOT OR FEET	U.O.N. UNLESS OTHERWISE NOTED
FTG. FOOTING	VERT. VERTICAL
GA. GAGE, GAUGE	V.I.F. VERIFY IN FIELD
GALV. GALVANIZED	V.T. VINYL TILE
GFRP. GLASS FIBER REINFORCED PLASTIC	W. WITH
GL. GLASS	WC. WATER CLOSET
GL.B. GLU-LAM BEAM	WD. WOOD
GND. GROUND	WDW. WINDOW
GRD. GRADE	WP. WATERPROOF
G.S.M. GALVANIZED SHEET METAL	W.P.M. WATERPROOF MEMBRANE
G.C.T. GLAZED CERAMIC TILE	W.SCT. WAINSCOT
GYP.BD. GYPSUM BOARD	

SYMBOLS:



GENERAL NOTES:

- All work shall comply with the 2001 Edition of the CBC and all other codes and requirements, in their most recent addition including the following:
Oakland Building Code
California State Building Code
California State Fire Code
California State Mechanical Code
California State Plumbing Code
California State Electrical Code
California Title 24 Energy Requirements
NEC and Oakland Amendments of the California plumbing, mechanical, and electrical codes.
- Contractor is to obtain any required permits for this work.
- Contractor shall be responsible for all electrical, plumbing, and fire protection work required by the Building Department.
- Contractor shall verify all dimensions and existing conditions prior to starting work. Any discrepancies shall be reported to the Architect for review.
- Do not scale drawings. Dimensions shall take precedence over scale.
- Contractor shall visit site prior to submission of bid to review scope of work, demolition, etc.
- Dimensions are to face of finish, unless otherwise noted (U.O.N.).
- Cutting and demolition shall be done by methods which will not damage portions to remain.
- Contractors shall remove, cut, cap, and repair, as necessary, any utilities, including but not limited to: electrical, mechanical, plumbing, and fire sprinklers.
- Contractor is to provide all necessary dust protection and/or barricading required to protect adjacent property and structures. Contractor is responsible to repair any damage caused by contractor or their subcontractors.
- If any questions arise as to the installation of any materials and/or equipment, or with the construction documents, the Contractor shall clarify the point with the Architect before proceeding.
- Safety Measures: At all times the Contractor shall be solely and completely responsible for conditions of the job site including safety of persons and property.
- Dimensions noted clear (clr.) are not adjustable without approval from the Architect.
- Install backing at walls as required for all wall-mounted items including plumbing fixtures, cabinet work, etc.
- The Americans with Disabilities Act (ADA) is subject to various and possibly contradictory interpretations. These plans and any accompanying specifications ("plans") represent the Designer's opinion regarding its interpretation of the ADA as it applies to the subject project. It is not in any way a warranty or guarantee that said plans comply with any or all possible interpretations of the ADA by others.

CONTACTS:

OWNER

Contact: Ann Ludwig
Alameda County Waste
Management Authority
111 Davis Street Ste 100
San Leandro CA 94577
Ph: 510-614-1699

ARCHITECT

Contact: Thomas Towey
Kororous-Towey Architects
315 14th Street
Oakland CA 94612
Ph: 510-446-2244

STRUCTURAL ENGINEER

Contact: Sunil Gupta
OLM Consulting Engineers
1404 Franklin Street Ste 350
Oakland CA 94612
Ph: 510-433-0828

MECHANICAL ENGINEER

Contact: Peter Rumsey
Rumsey Engineers
99 Linden Street
Oakland CA 94607
Ph: 510-663-2070

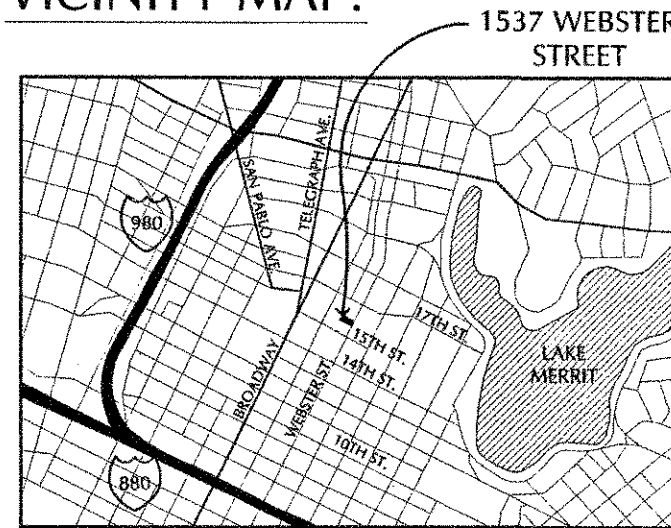
ELECTRICAL ENGINEER

Contact: Ryan Stromquist
Integrated Design Associates
3140 De La Cruz Blvd Ste 110
Santa Clara CA 95054
Ph: 408-562-3560

GENERAL CONTRACTOR

Contact: Joel Meltzer
BBI Contractors
1155 Third Street Suite 230
Oakland, CA 94607
Ph: 510-286-8200

VICINITY MAP:



PROJECT DATA

BUILDING ADDRESS:	1537 WEBSTER STREET OAKLAND, CA 94612
ZONING:	C-55 CENTRAL CORE COMMERCIAL
OCCUPANCY TYPE:	FIRST LEVEL - B OFFICE, A-3 BOARD ROOM SECOND LEVEL - B OFFICE
TYPE OF CONSTRUCTION:	TYPE II-N, NON COMBUSTIBLE
GROSS SF:	GROUND LEVEL: 7,000 SF. SECOND LEVEL: 6,845 SF. TOTAL: 13,845 SF.
APN:	008-062402200

SHEET INDEX:

ARCHITECTURAL

- A0.0 COVER SHEET
- A0.1 PROJECT INFORMATION AND INDEX
- A0.2 DEMOLITION PLANS
- A0.3 SITE PLAN
- A1.0 FLOOR PLANS, GROUND AND LID
- A1.1 FLOOR PLANS, SECOND AND ROOF
- A2.0 REFLECTED CEILING PLANS
- A2.1 FURNITURE PLANS
- A2.2 FLOOR FINISH PLANS
- A2.3 EDGE OF SLAB PLANS
- A3.0 BUILDING ELEVATIONS
- A4.0 BUILDING SECTIONS
- A4.1 WALL SECTIONS
- A5.0 STAIR 1 PLANS AND DETAILS
- A5.1 STAIR 2 PLANS AND DETAILS
- A5.2 CANOPY PLANS AND ELEVATIONS

SHEET INDEX:

ARCHITECTURAL - CONT.

- A5.3 ELEVATOR PLAN, ELEVATIONS, SECTIONS AND DETAILS
- A6.0 RESTROOM PLANS AND ELEVATIONS
- A6.1 MAIN ENTRY/ RECEPTION DETAILS
- A6.2 INTERIOR ELEVATIONS
- A6.3 DETAILS
- A6.4 FINISH FLOOR PATTERNS
- A7.0 PLAN DETAILS AND FRAMING STANDARDS
- A7.1 SECTION DETAILS
- A8.0 WALL TYPES
- A8.1 DETAILS
- A8.2 DETAILS
- A8.3 CABINETS DETAILS
- A9.0 WINDOW SCHEDULE
- A9.1 DOOR SCHEDULE
- A9.2 FINISH SCHEDULE
- A9.3 WINDOW DETAILS

STRUCTURAL

- S0.1 GENERAL NOTES
- S0.2 GENERAL NOTES
- S0.3 TYPICAL CONCRETE DETAILS
- S0.4 TYPICAL STEEL DETAILS
- S1.0 FLOOR PLANS, FOUNDATION AND GROUND
- S1.1 FLOOR PLANS, SECOND AND ROOF
- S3.1 ELEVATIONS
- S4.1 CONCRETE DETAILS
- S5.1 STEEL BRACED FRAME DETAILS
- S6.1 FOUNDATION DETAILS
- S6.2 FOUNDATION DETAILS
- S7.1 COLLECTOR DETAILS
- S9.1 STEEL DETAILS

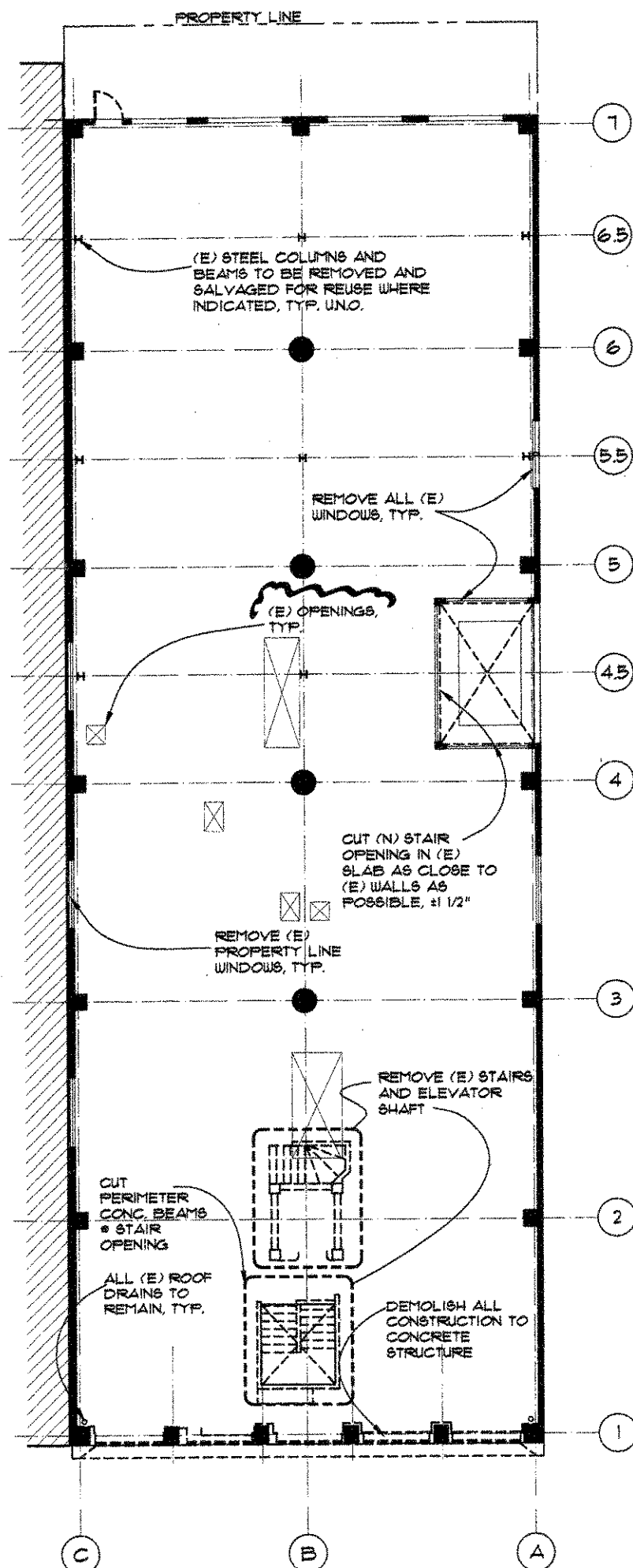
MECHANICAL

- M0.1 EQUIPMENT SCHEDULES HVAC
- M0.2 EQUIPMENT SCHEDULES HVAC
- M2.0 FLOOR PLANS, GROUND AND LID
- M2.1 FLOOR PLANS, SECOND FLOOR AND ROOF
- M1.01 TITLE 24 FORMS
- M1.02 TITLE 24 FORMS
- M1.03 TITLE 24 FORMS
- M1.04 TITLE 24 FORMS

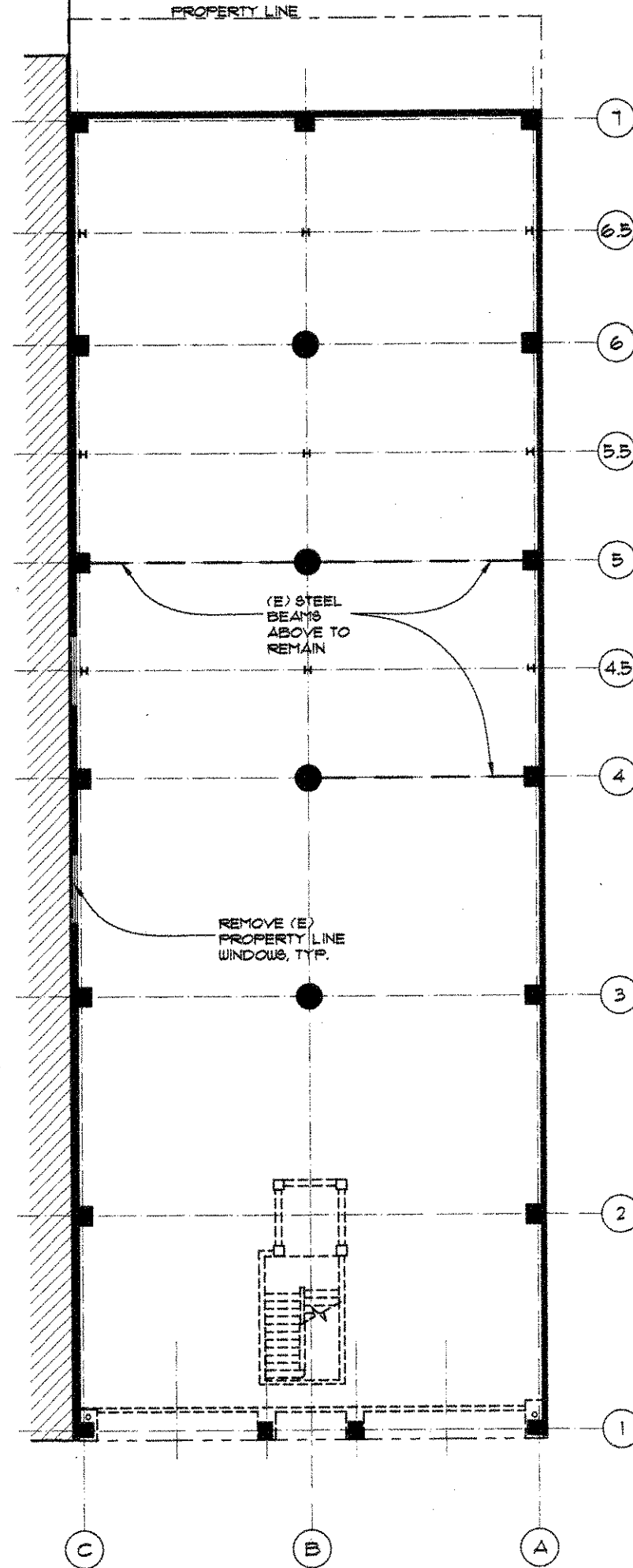
ELECTRICAL

- E0.0 GENERAL INFORMATION
- E3.0 FIRST AND SECOND FLOOR LIGHTING PLANS
- E3.1 LID FLOOR LIGHTING PLAN
- E4.0 FIRST AND SECOND FLOOR ELECTRICAL PLANS
- E4.1 ROOF ELECTRICAL PLAN
- E5.0 SCHEDULES
- E5.1 SCHEDULES
- E6.0 DIAGRAMS
- E7.0 DETAILS
- E7.1 DETAILS
- E7.2 DETAILS
- E7.3 DETAILS

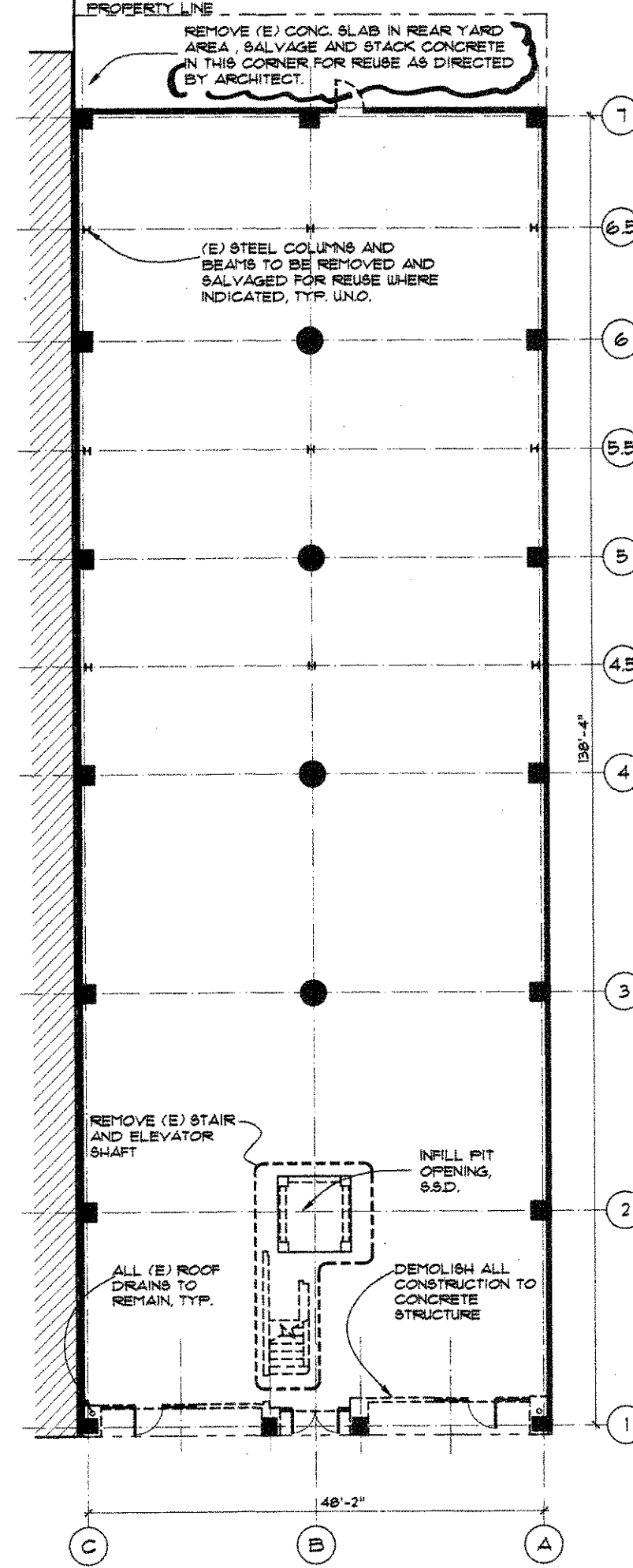
PLUMBING
P1 - Ground Level &
Second Level
Plumbing Plan



3 DEMOLITION PLAN - SECOND LEVEL
A0.2 SCALE: 1/8" = 1'-0"



2 DEMOLITION PLAN - 1ST LEVEL
A0.2 SCALE: 1/8" = 1'-0"



1 DEMOLITION PLAN - GROUND LEVEL
A0.2 SCALE: 1/8" = 1'-0"

DEMOLITION SCOPE:

- 1 DEMO ALL MECHANICAL AND PLUMBING EQUIPMENT, FIXTURES AND ACCESSORIES, INCLUDING DUCTWORK, PIPING, AND VENTS. CUT AND CAP MECH. AND PLUMBING SERVICE LINES AT THE BUILDING ENTRY/EXIT POINTS FLUSH WITH FLOORS AND WALLS, U.O.N.
- 2 CUT AWAY AND CAP ANY ABANDONED UTILITY SERVICE LINES AT THE BUILDING ENTRY/EXIT POINTS FLUSH WITH FLOORS AND WALLS.
- 3 DEMO MAIN ELECTRICAL PANEL.
- 4 DEMOLISH ENTIRE ELEVATOR ASSEMBLY INCLUDING (E) ELEVATOR SHAFT STRUCTURE.
- 5 EXISTING STRUCTURE TO REMAIN. ALL EXISTING CAST-IN-PLACE CONCRETE IS TO REMAIN U.O.N.
- 6 EXTERIOR ENVELOPE OF BUILDING TO REMAIN. ALL ROOFING MATERIALS, EXTERIOR FINISHES, SEALANTS, COATINGS, DOORS, WINDOWS AND GATES ARE TO BE DEMOLISHED, U.O.N.
- 7 DEMO STEEL COLUMNS DOWN BELOW FINISH FLOOR PATCH AS REQUIRED FOR FLUSH FINISH TYP. 1ST & 2ND FLOOR.
- 8 AT CONC. COL. CAPS CUT STEEL CONNECTORS NEATLY TO WITHIN 2" OF CONC. GRIND SMOOTH, TYP.

LEGEND

- CONSTRUCTION TO BE DEMOLISHED =====
- CONSTRUCTION TO REMAIN =====
- CAST-IN-PLACE CONCRETE CONSTRUCTION TO REMAIN =====

GENERAL NOTES:

THIS DRAWING REPRESENTS THE SCOPE OF "HARD" DEMO. ADDITIONAL DEMO IS REQUIRED FOR (N) OPENINGS IN 1ST, 2ND, AND ROOF SLABS AND PERIMETER CONCRETE WALLS. DEMO STAIR TO 2ND FLOOR, STEEL COLUMNS AND BEAMS AND ALL OTHER DEMO AS REQUIRED TO ACCOMPLISH THE WORK SHOWN HEREIN, WHETHER SPECIFICALLY SHOWN HERE OR NOT.

ALL STEEL SALVAGED FOR REUSE MAY CONTAIN LEAD PAINT. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES AS REQUIRED.

NOTE:
SOFT DEMOLITION WORK
APPROVED IN SEPARATE PERMIT,
150502690



KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
kta@karch.com www.karch.com



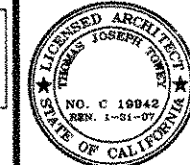
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
FOR REFERENCE ONLY
DEMOLITION PLANS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

© COPYRIGHT 2005

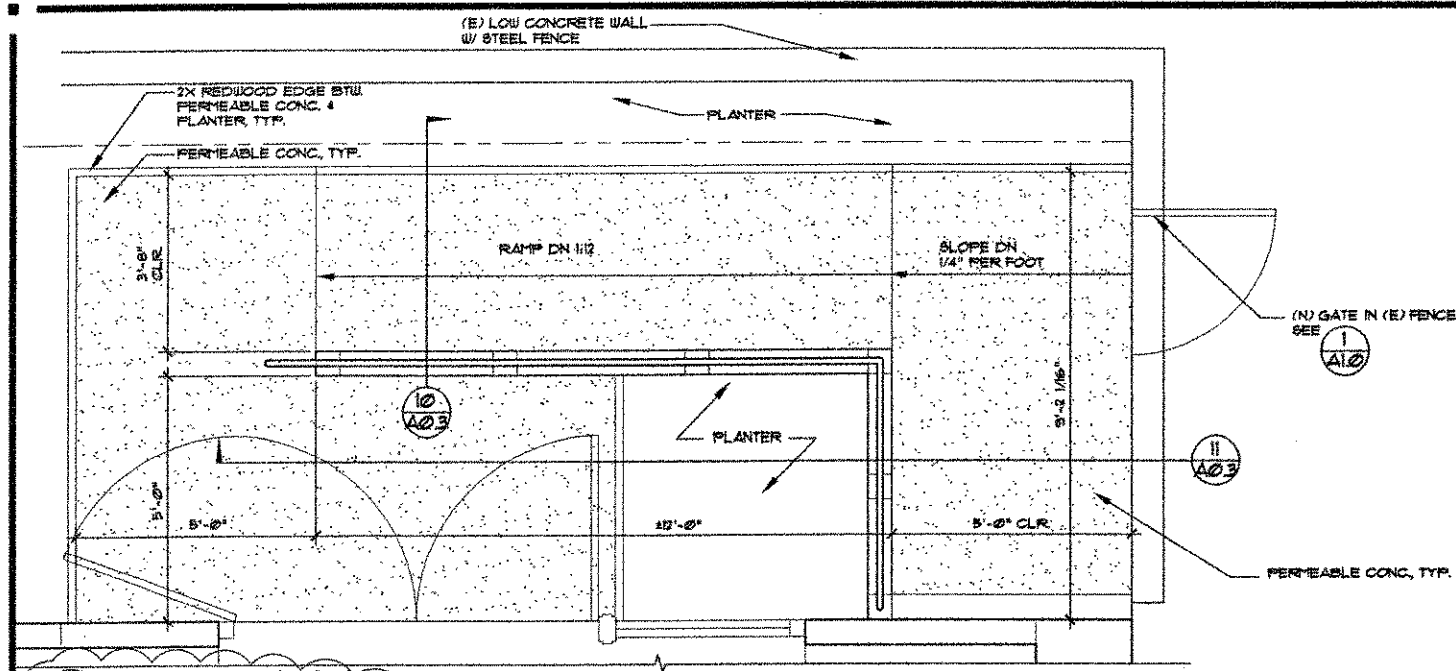


DATE 01-09-06

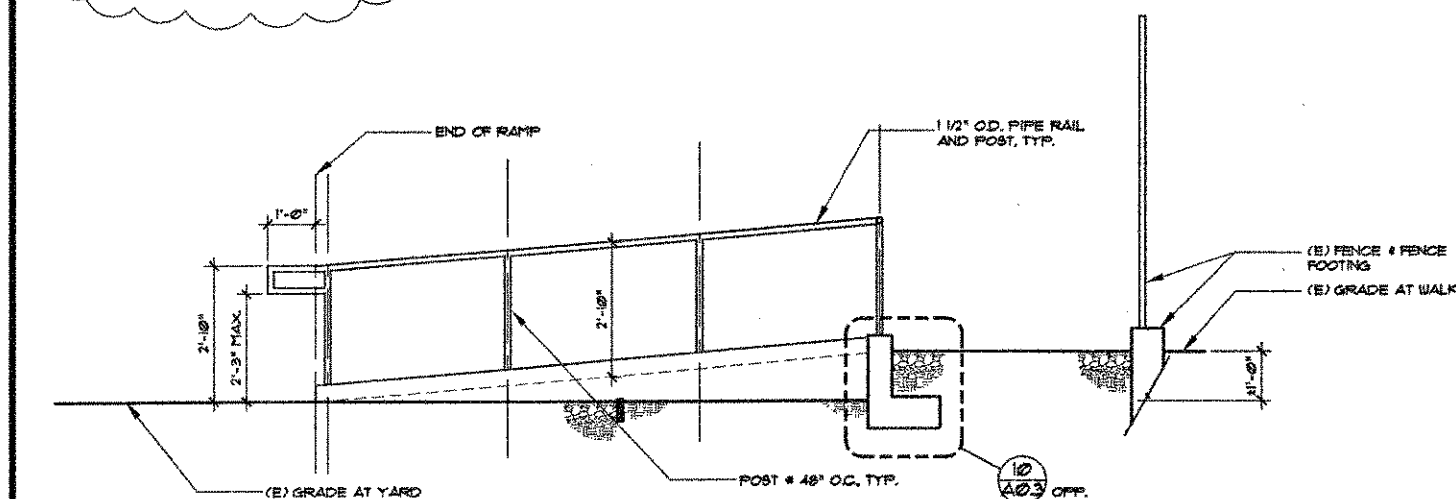
DRAWN BY: MC

JOB NO.: 2513

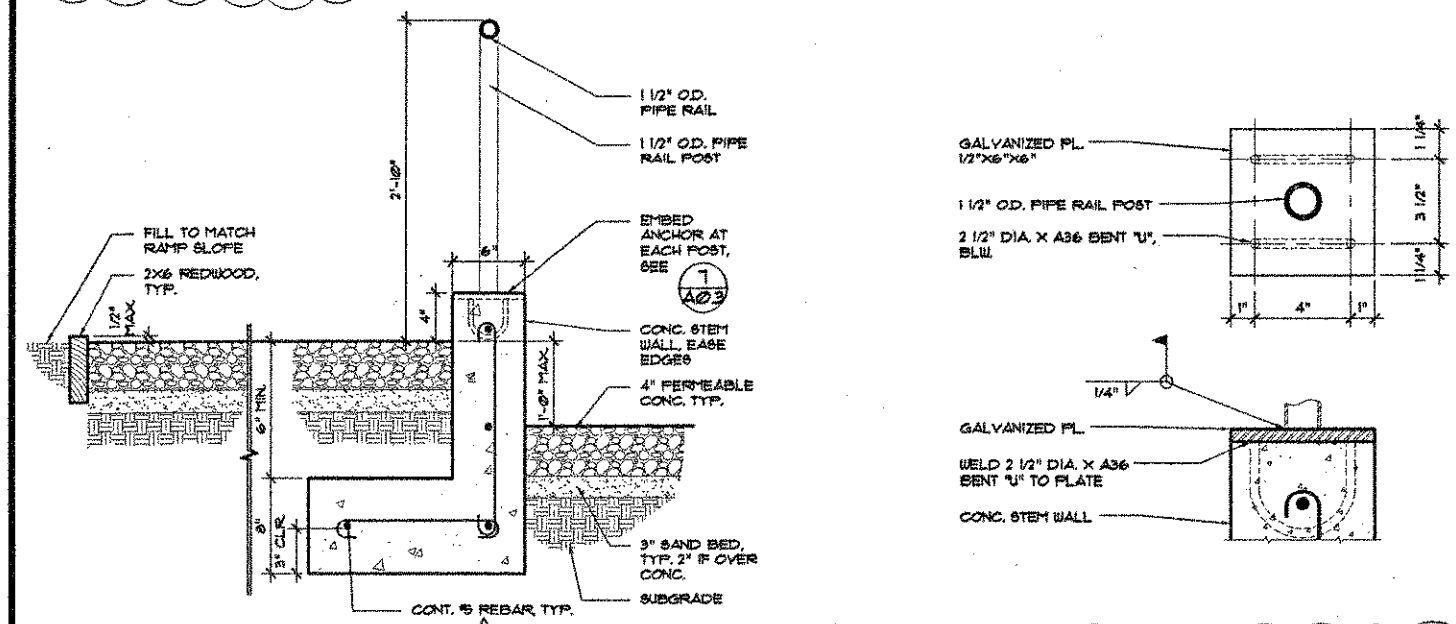
A0.2 X



12 RAMP PLAN
A0.3 SCALE: 1/2" = 1'-0"

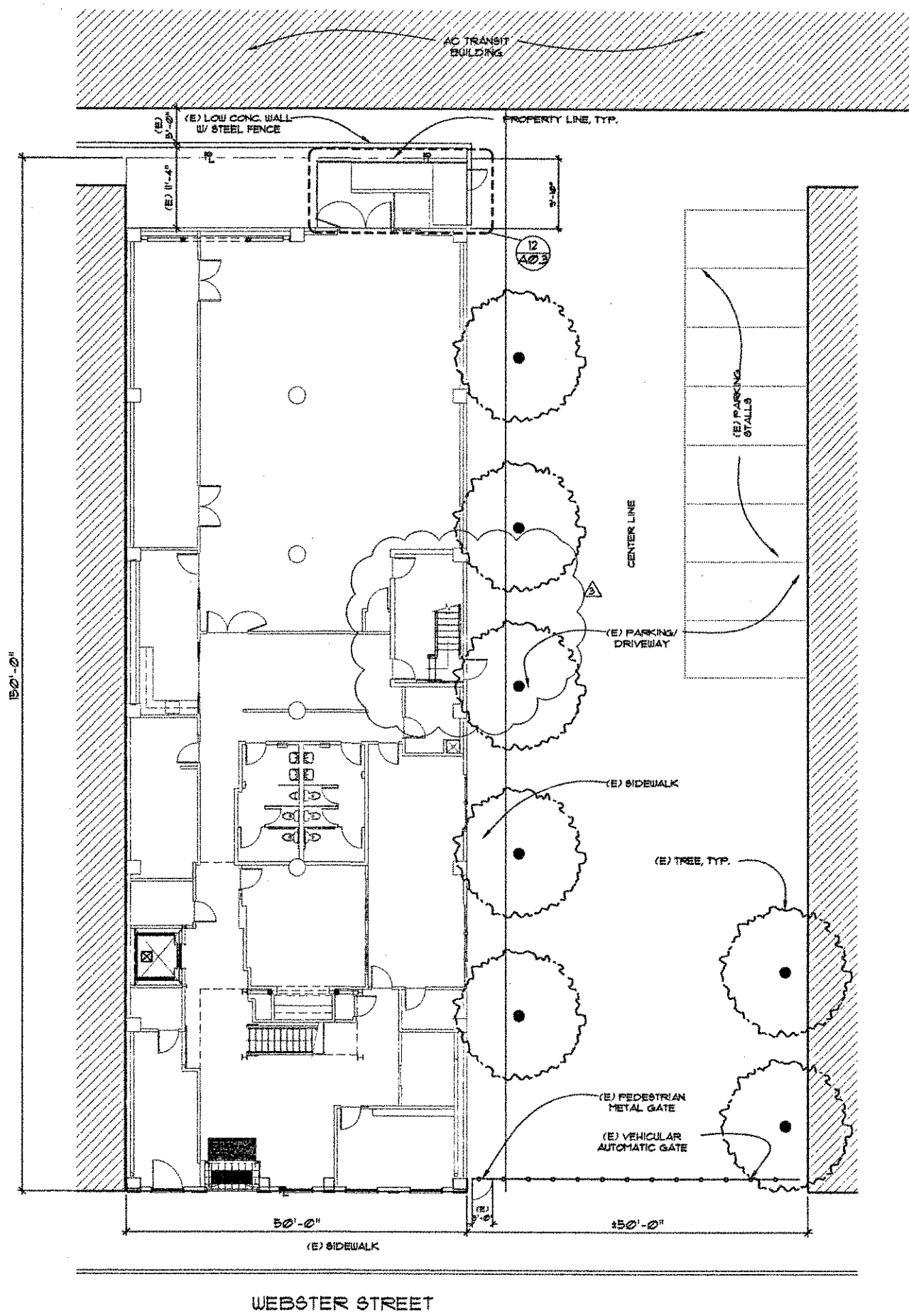


11 RAMP ELEVATION
A0.3 SCALE: 1/2" = 1'-0"



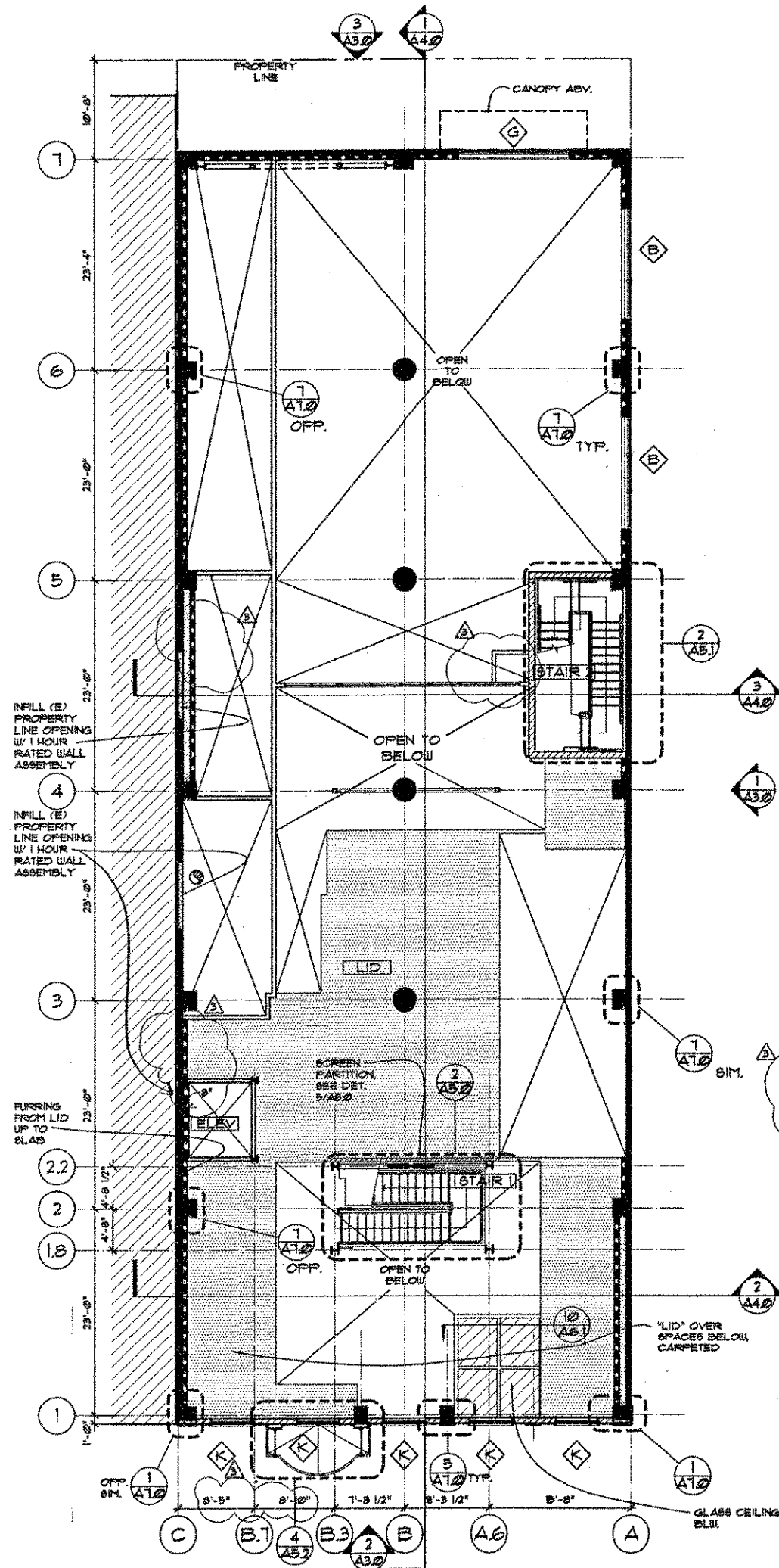
10 SECTION
A0.3 SCALE: 1 1/2" = 1'-0"

1 RAIL POST EMBED DETAIL
A0.3 SCALE: 3" = 1'-0"

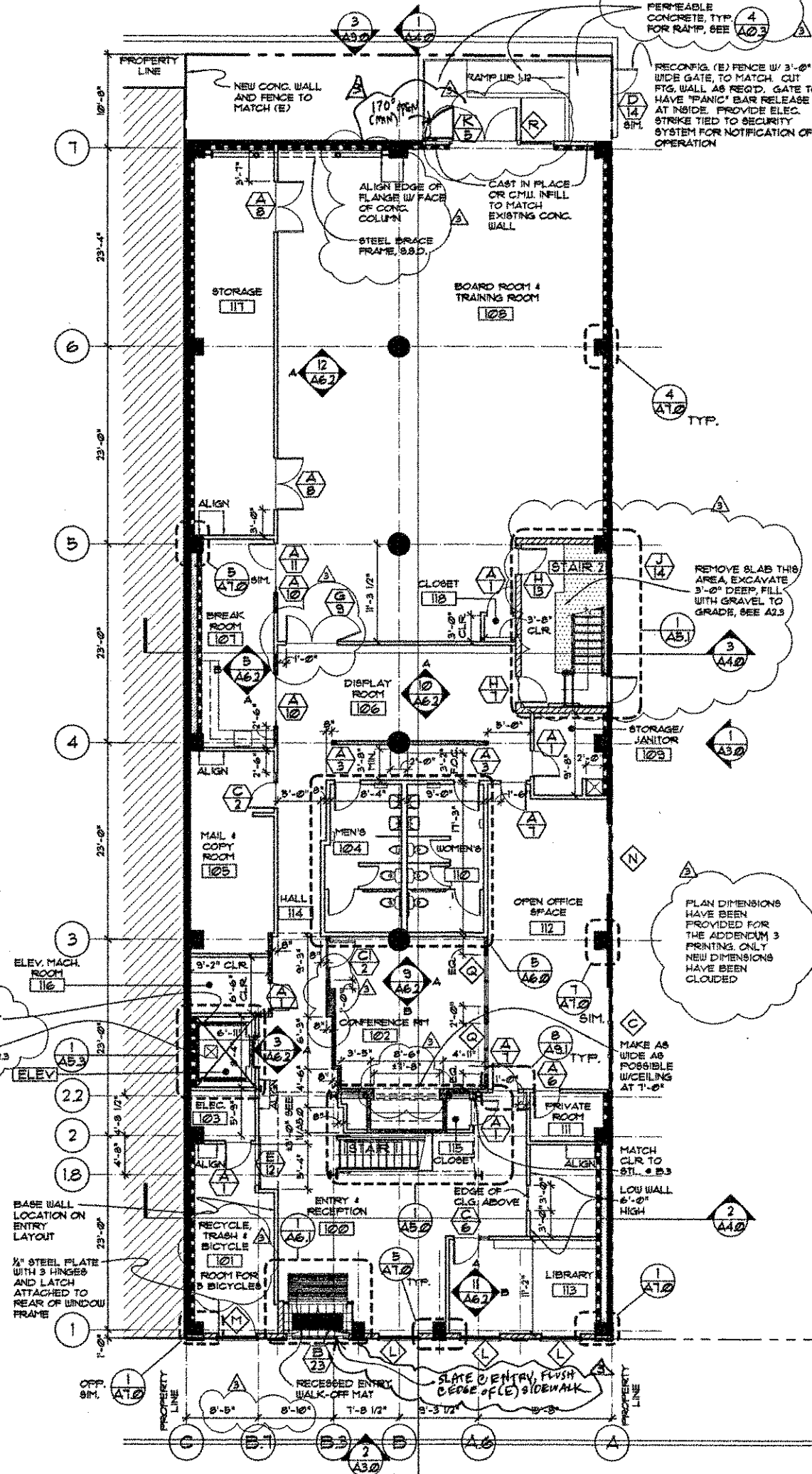


4 SITE PLAN
A0.3 SCALE: 1" = 10'





2 FLOOR PLAN - LID LEVEL
SCALE: 1/8" = 1'-0"



1 FLOOR PLAN - GROUND LEVEL
SCALE: 1/8" = 1'-0"

KEY NOTES:

- INFILL ALL (E) SLAB OPENINGS, TYP. 8.5.D
- TYPICAL ROOF CRICKET SLOPE DN. 1/4" FT. MIN IN DIRECTION INDICATED

LEGEND

- CAST-IN-PLACE CONCRETE CONSTRUCTION TO REMAIN, SEE A1.0
- (N) CONC. SHEAR WALL, 8.5.D.
- (N) EXT. METAL STUD WALL, SEE DETAIL 1/A4.1
- (N) 8" HIGH WALL FURRING, TYPE I SEE DETAIL 1/A8.0
- (N) 8" HIGH WALL FURRING TYPE II, SEE DETAIL 2/A8.0
- (N) INT. METAL STUD WALL, SEE DETAIL 3/A8.0
- (N) ACOUSTIC METAL STUD WALL, SEE DETAIL 8/A8.0
- (N) SHAFT WALL, SEE DETAIL 11/A8.0
- (N) LOW PARTITION SEE DETAIL 4/A8.0
- (N) 1 HR. RATED EXTERIOR WALL INFILL, SEE DETAIL 11/A8.0

SYMBOLS

1 KEY NOTE, SEE ABOVE

REVISIONS

ADDN. 3 03-13-06

DATE: 02-21-06
DRAWN BY: JS
JOB NO.: 2513

PROJECT NORTH

KEY NOTE, SEE ABOVE

KOMOROUS-TOWEY ARCHITECTS

1537 WEBSTER ST. OAKLAND, CA 94612
315 FOURTEENTH STREET OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
www.ktarch.com

BUILDING REHABILITATION AND SEISMIC IMPROVEMENTS

FLOOR PLANS

GROUND AND MEZZANINE

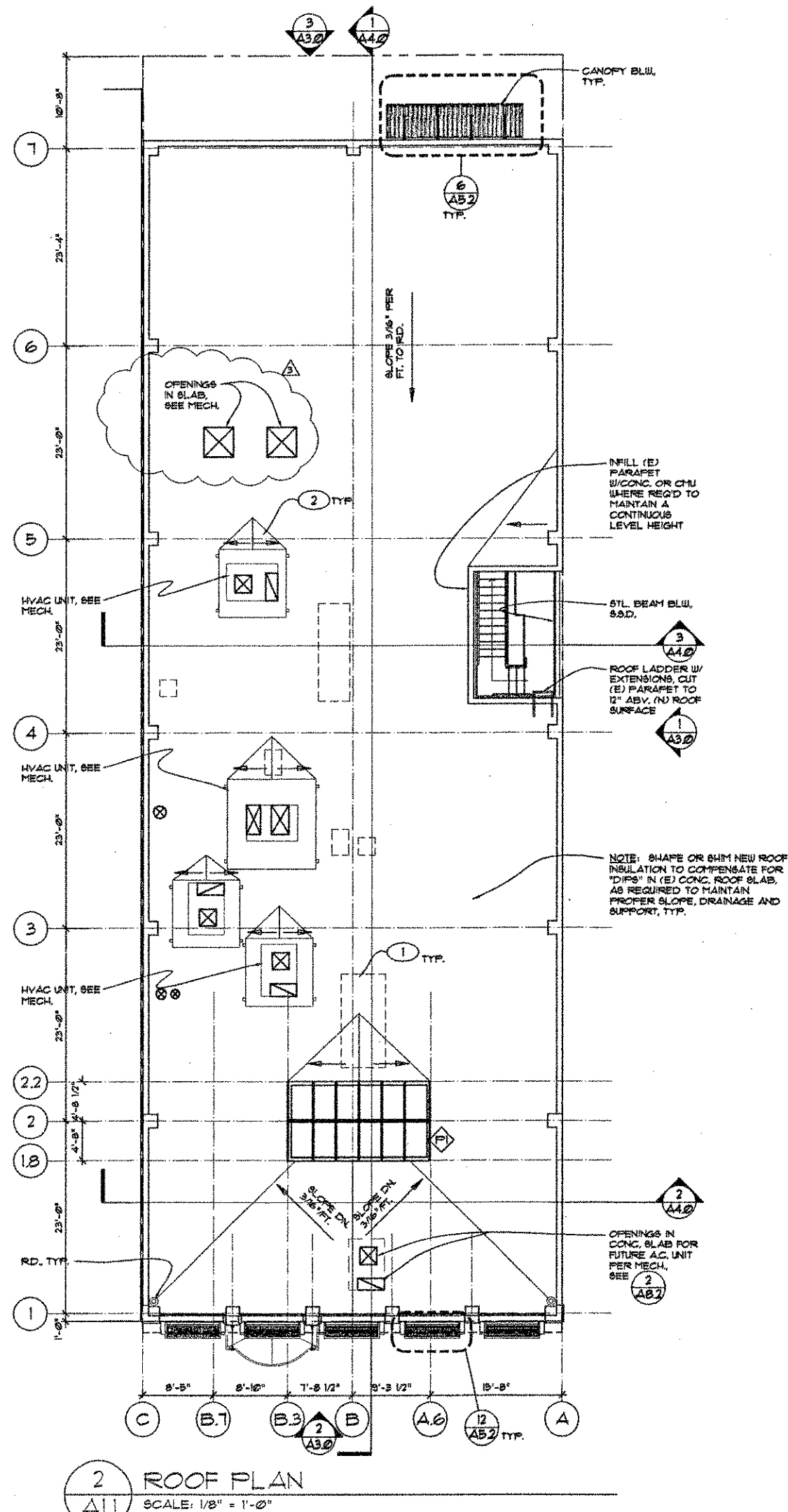
ACVMA ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY

777 DAVIS ST. #100
SAN LEANDRO, CA 94577

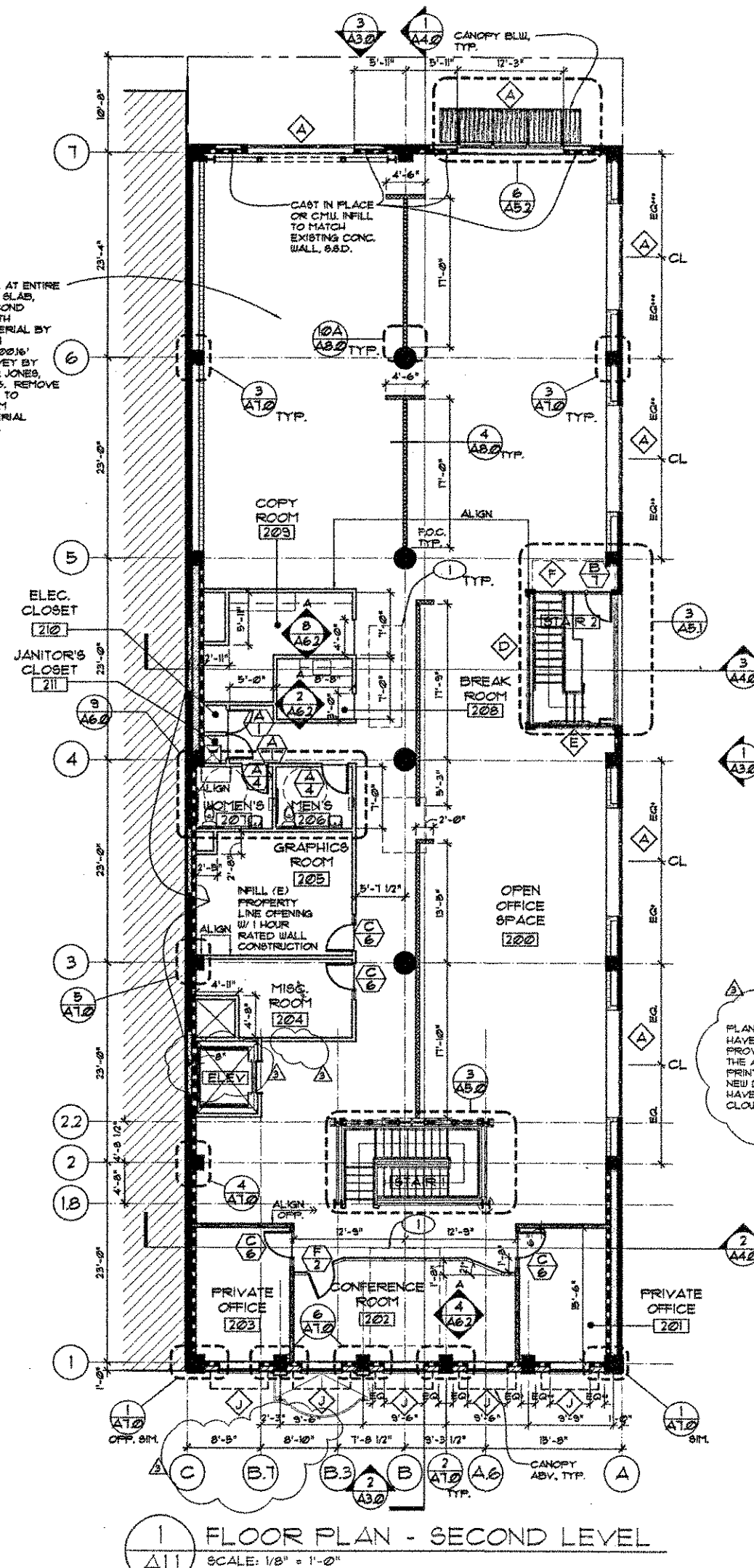
© COPYRIGHT 2006

NO. C 10048
EXPI. 1-31-07
STATE OF CALIFORNIA

A1.0



NOTE: TYPICAL AT ENTIRE SECOND FLOOR SLAB, LEVEL (E) SECOND FLOOR SLAB WITH DURA-CAP MATERIAL BY MAXXON, FINISH ELEVATION TO 102.36' BASED ON SURVEY BY SANDIS HUMBER JONES, DATED 05/10/00. REMOVE (E) HIGH POINTS TO ACHIEVE MINIMUM REQUIRED MATERIAL THICKNESS, TYP.



KEY NOTES:

- INFILL ALL (E) SLAB OPENINGS, TYP. S.S.D.
- TYPICAL ROOF CRICKET SLOPE DN. 1/4" FT. MIN IN DIRECTION INDICATED

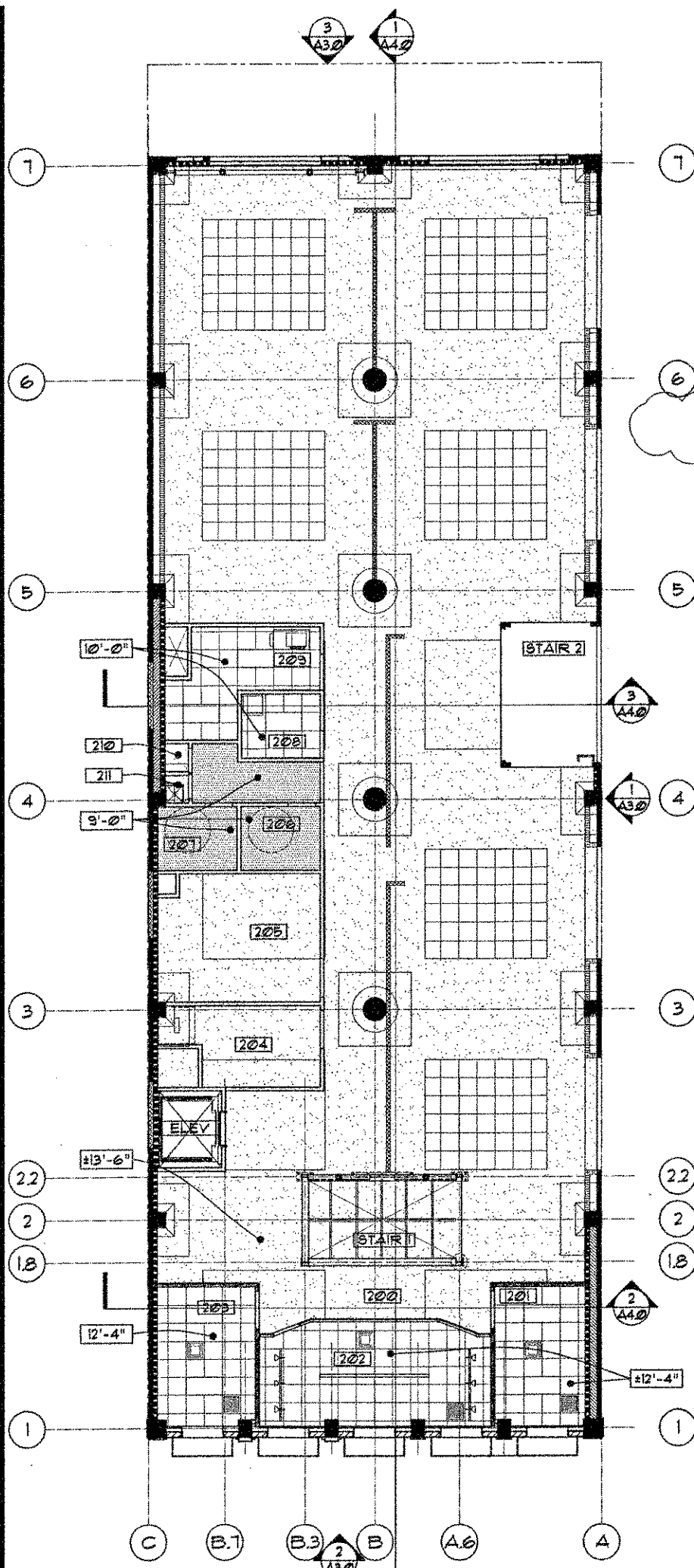
LEGEND

- CAST-IN-PLACE CONCRETE CONSTRUCTION TO REMAIN, SEE A10
- (N) CONC. SHEAR WALL, S.S.D.
- (N) EXT. METAL STUD WALL, SEE DETAIL 1/A4.1
- (N) 8' HIGH WALL FURRING, TYPE I SEE DETAIL 1/A8.0
- (N) 8' HIGH WALL FURRING TYPE II, SEE DETAIL 2/A8.0
- (N) INT. METAL STUD WALL, SEE DETAIL 3/A8.0
- (N) ACOUSTIC METAL STUD WALL, SEE DETAIL 8/A8.0
- (N) SHAFT WALL, SEE DETAIL 11/A8.0
- (N) LOW PARTITION SEE DETAIL 4/A8.0
- (N) 1 HR. RATED EXTERIOR WALL INFILL, SEE DETAIL 11/A8.0

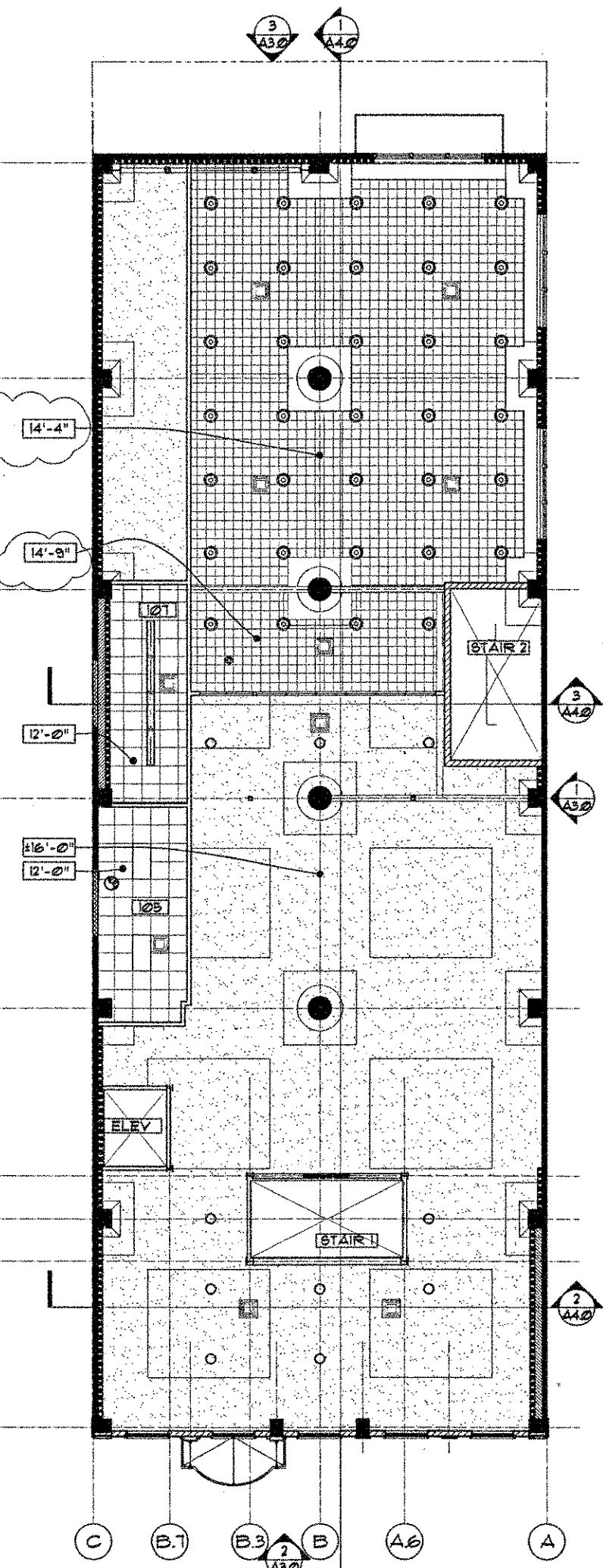
SYMBOLS

- KEY NOTE, SEE ABOVE

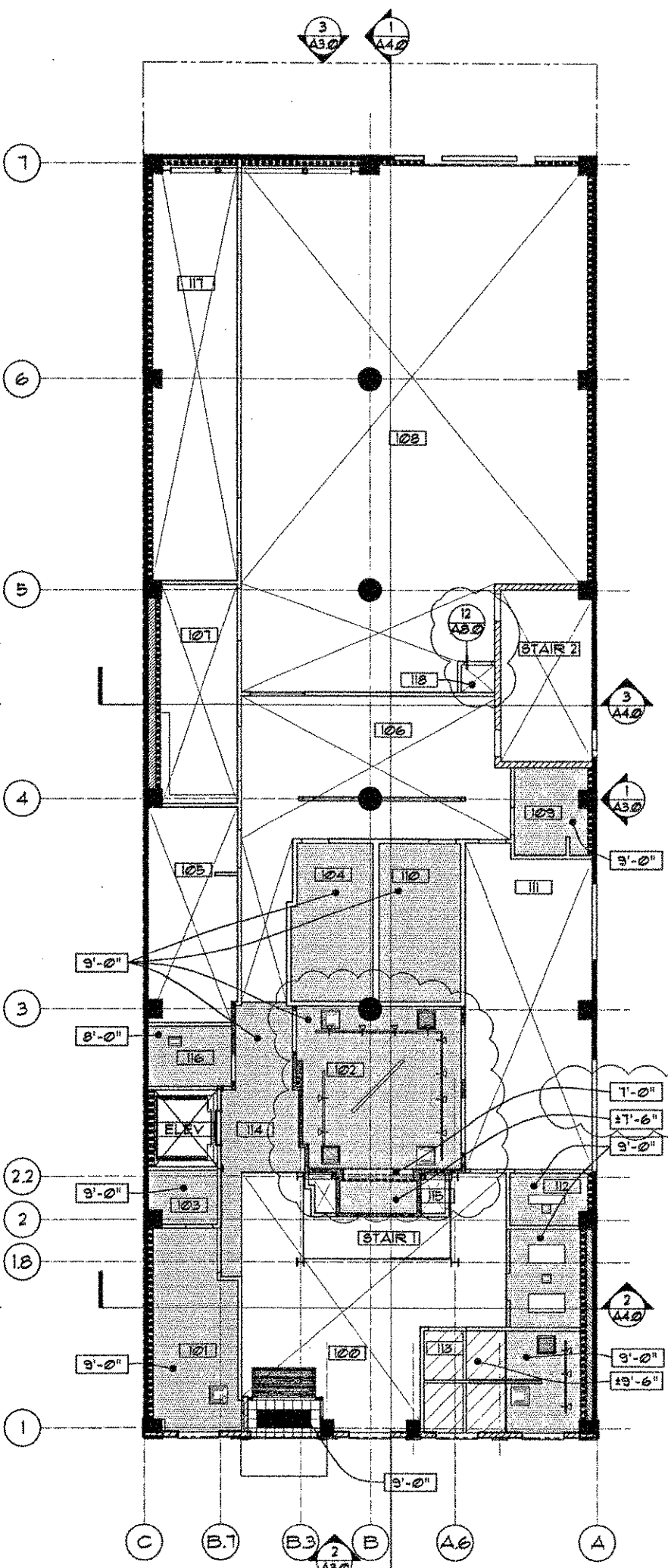




3 RCP - SECOND LEVEL
SCALE: 1/8" = 1'-0"



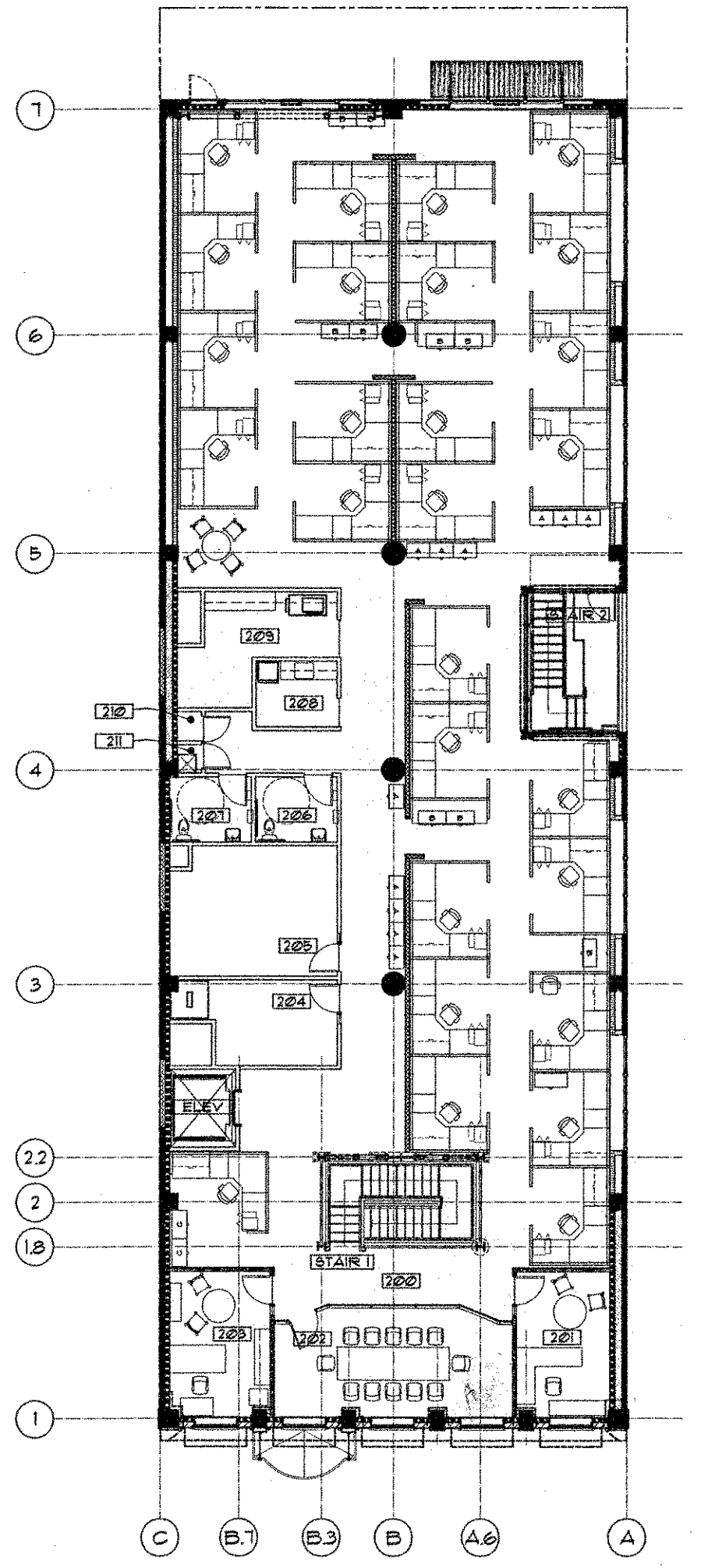
2 RCP - LID LEVEL
SCALE: 1/8" = 1'-0"



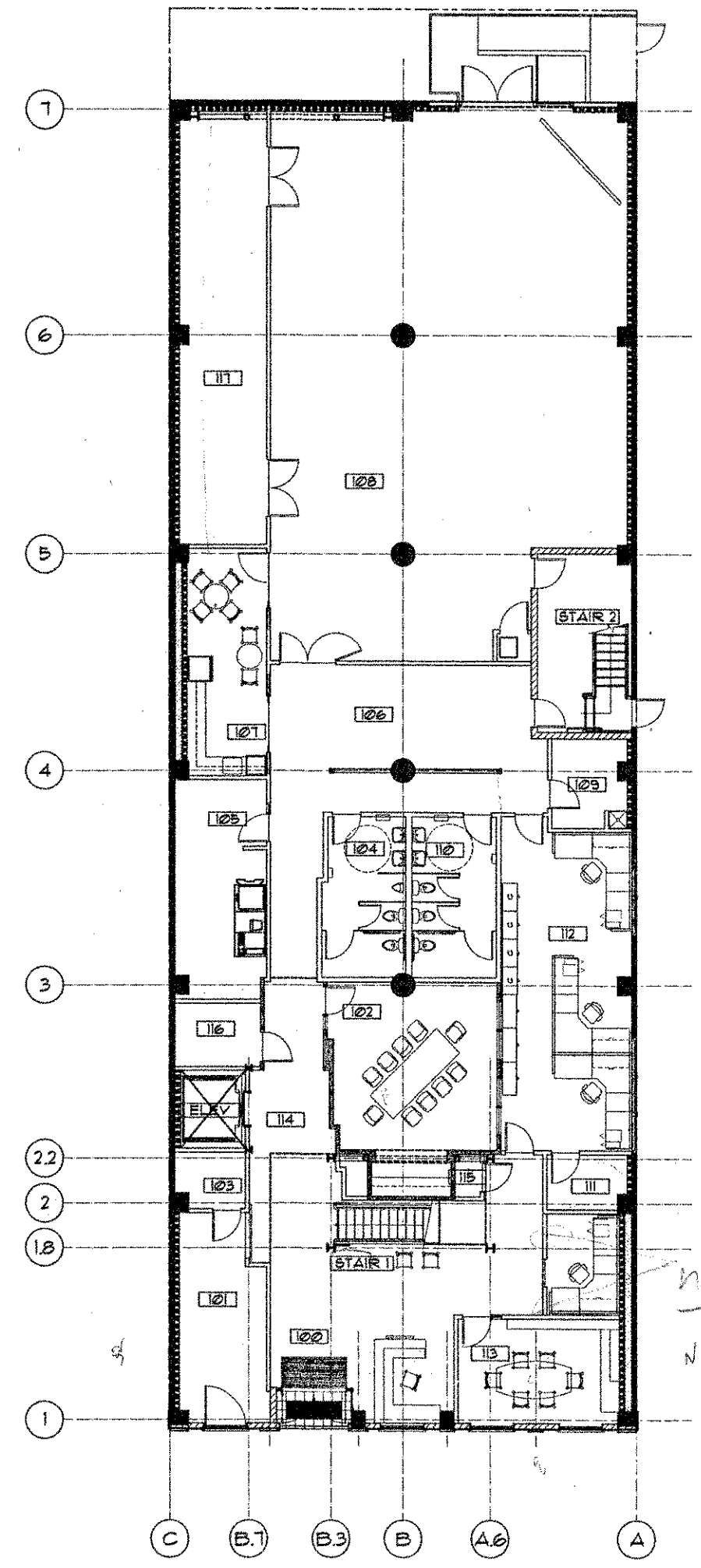
1 RCP - GROUND LEVEL
SCALE: 1/8" = 1'-0"

- RCP LEGEND**
SEE FINISH SCHEDULE FOR FINISH INFORMATION
SEE FLOOR PLANS FOR WALL TYPES
- EXPOSED CEILING - BUILDING STRUCTURE
 - GYP SUM CEILING
 - SUSPENDED ACOUSTIC TILE 2'X2', SEE 5/A82
 - SUSPENDED ACOUSTIC TILE 1'X1', SEE 5/A82
 - GLASS CLNG.
 - CEILING HEIGHT AFF. 9'-0"





3 FURNITURE PLAN - SECOND LEVEL
A2.1 SCALE: 1/8" = 1'-0"

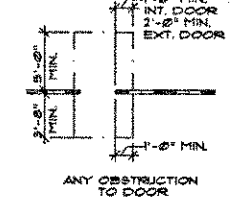
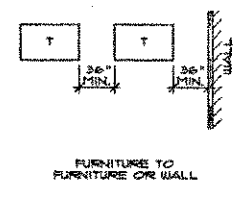
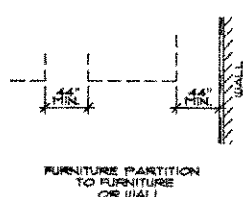
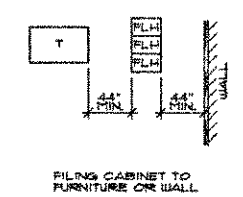


1 FURNITURE PLAN - GROUND LEVEL
A2.1 SCALE: 1/8" = 1'-0"

KEY NOTES:

1 NOT USED

KEY FOR CIRCULATION CLEARANCES

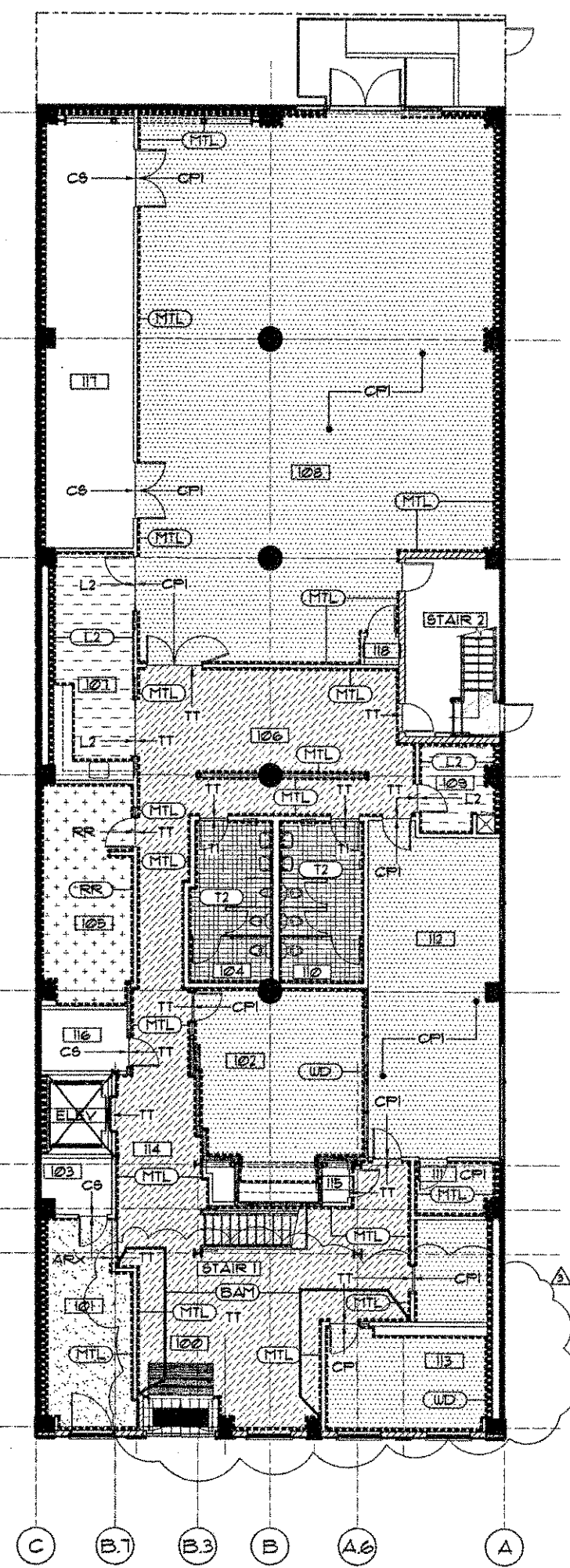


FINISH PLAN SHEET NOTES:

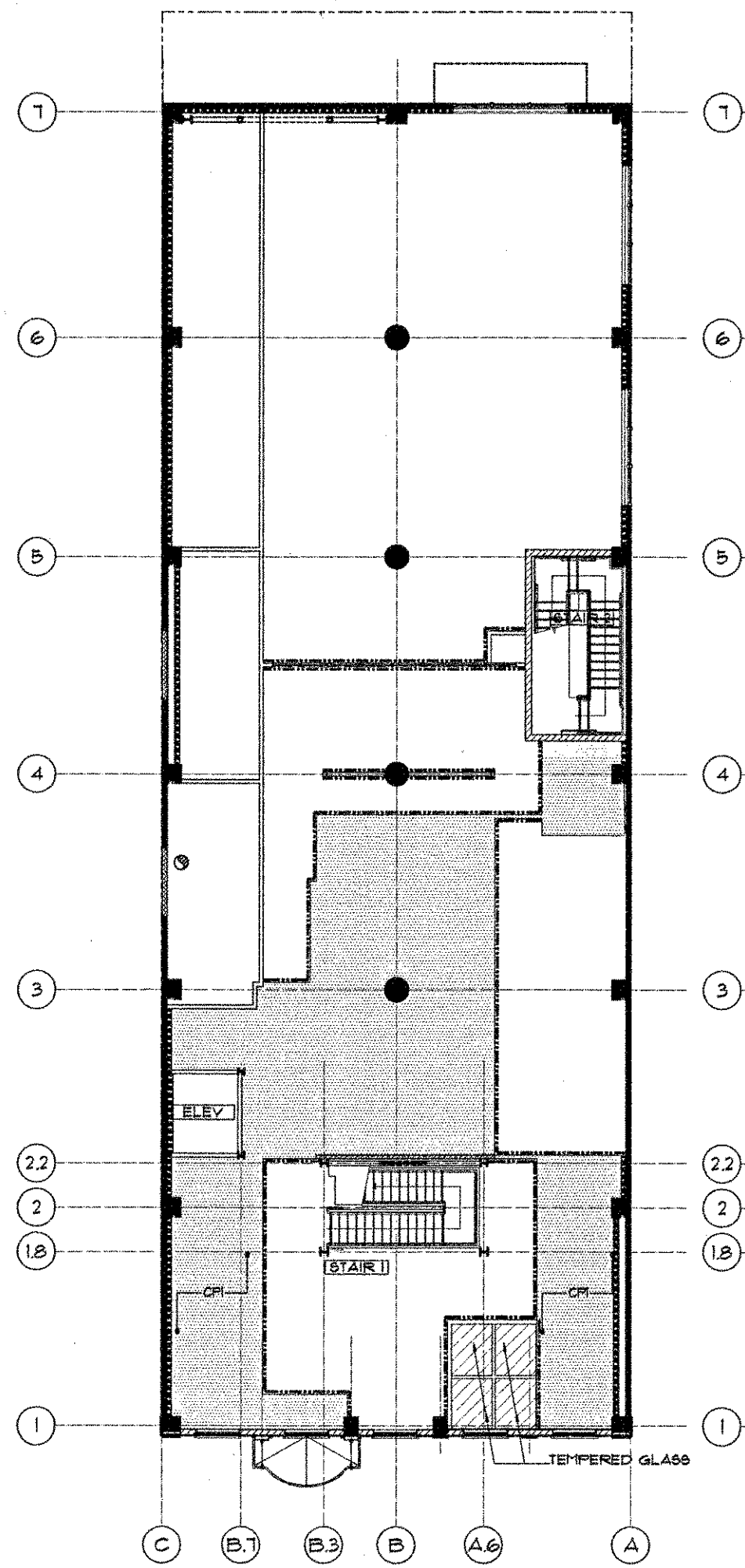
1. SEE SHEET A32 FOR FINISH SCHEDULE AND ADDITIONAL SPECIFIC FINISH MATERIALS INDICATED
2. PROVIDE A 4" HIGH RUBBER BASE AT ALL WALLS FOR WHICH NO OTHER BASE IS INDICATED. SEE FINISH SCHEDULE
3. NOT USED
4. FOR THRESHOLD DETAILS SEE SHEET A8.1

FINISH LEGEND

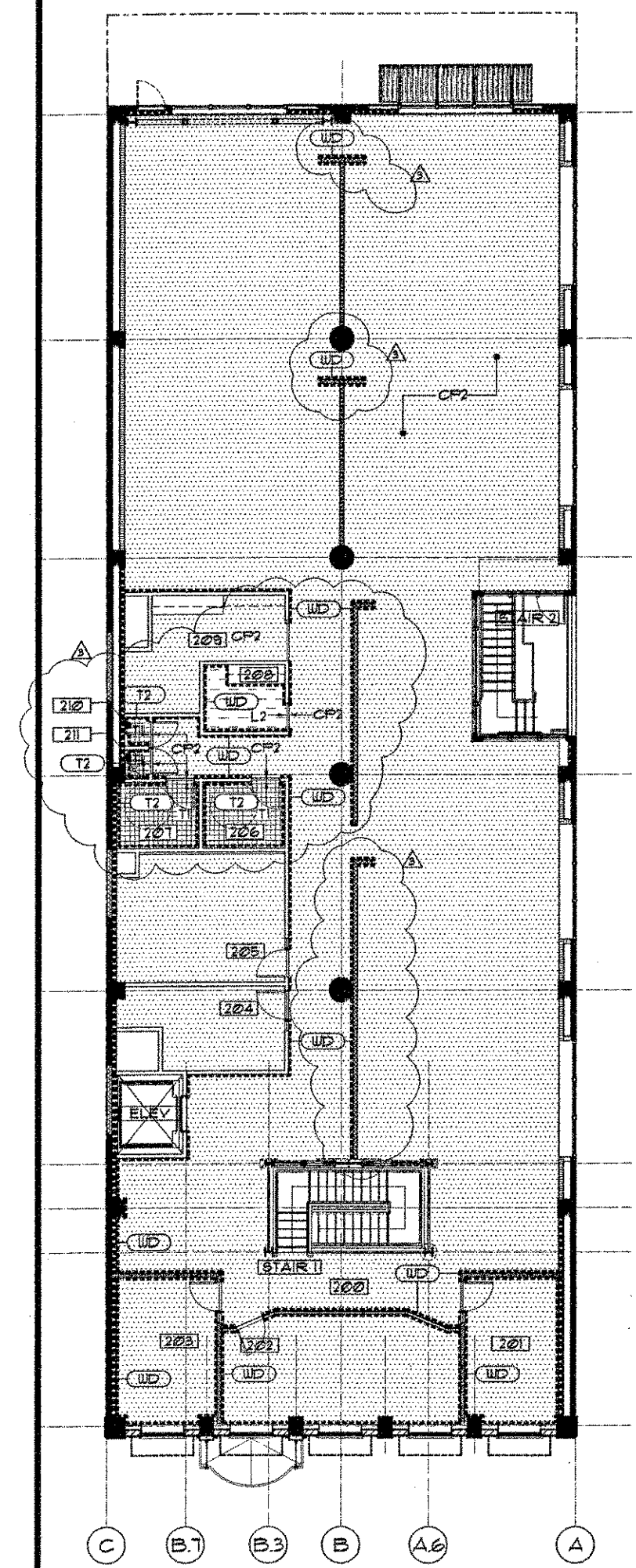
- TT = TERRAZZO FLOOR
- ARX = ARDEX
- CPI OR CP2 = CARPET
- T1 = CERAMIC FLOOR TILE
- L2 = LINOLEUM
- RR = RECYCLED RUBBER TILE
- CS = CONCRETE SEALER
- STEEL TRIM, 8 x 9/A8.0 UNO.
- WALL BASE, MATERIAL AS INDICATED
- MTL STEEL BASE, 3/A8.1
- UD WOOD BASE, 3/A8.1
- T2 CERAMIC TILE BASE, T2
- RR RUBBER TILE INTEGRAL COVE BASE, 2/A8.1
- LI LINOLEUM INTEGRAL COVE BASE, 2/A8.1
- BAM BAMBOO VENEER WALL FINISH



1 FINISH PLAN - GROUND LEVEL
A2.2 SCALE: 1/8" = 1'-0"



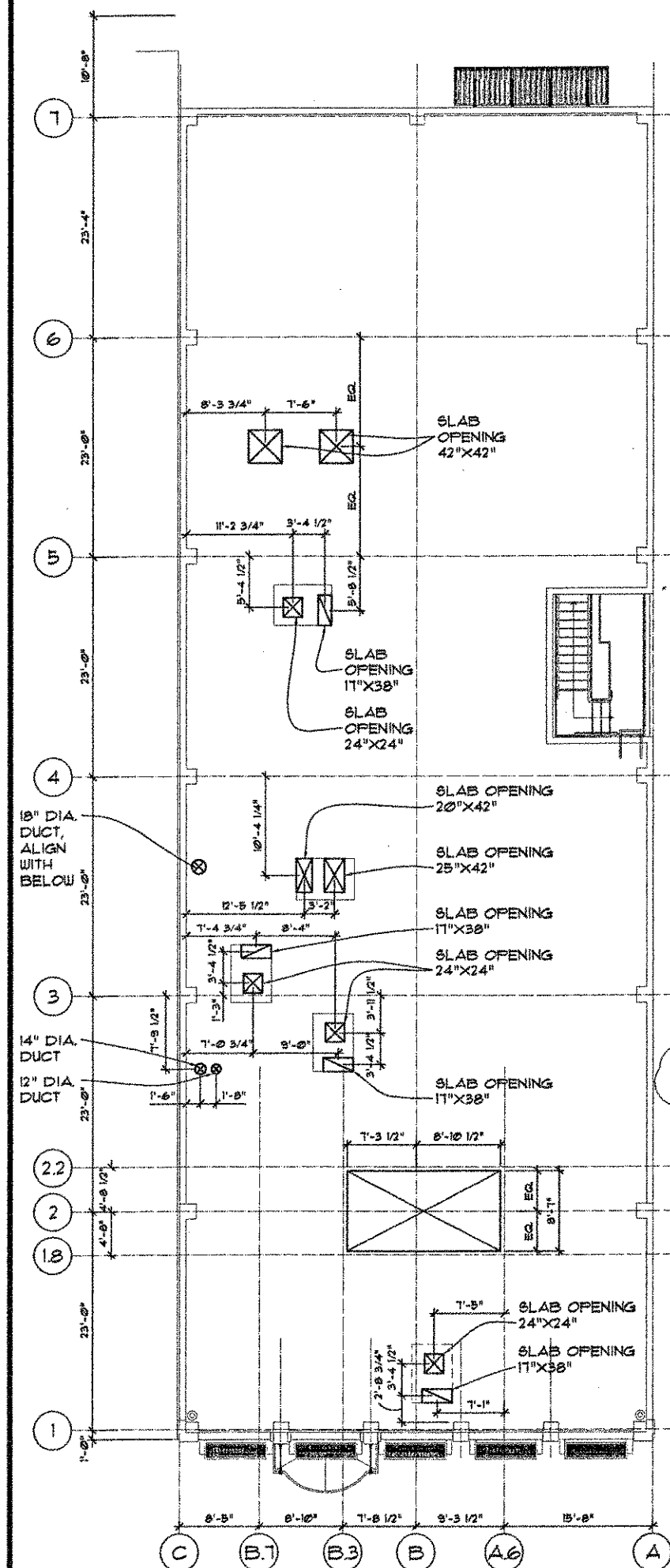
2 FINISH PLAN - LID LEVEL
A2.2 SCALE: 1/8" = 1'-0"



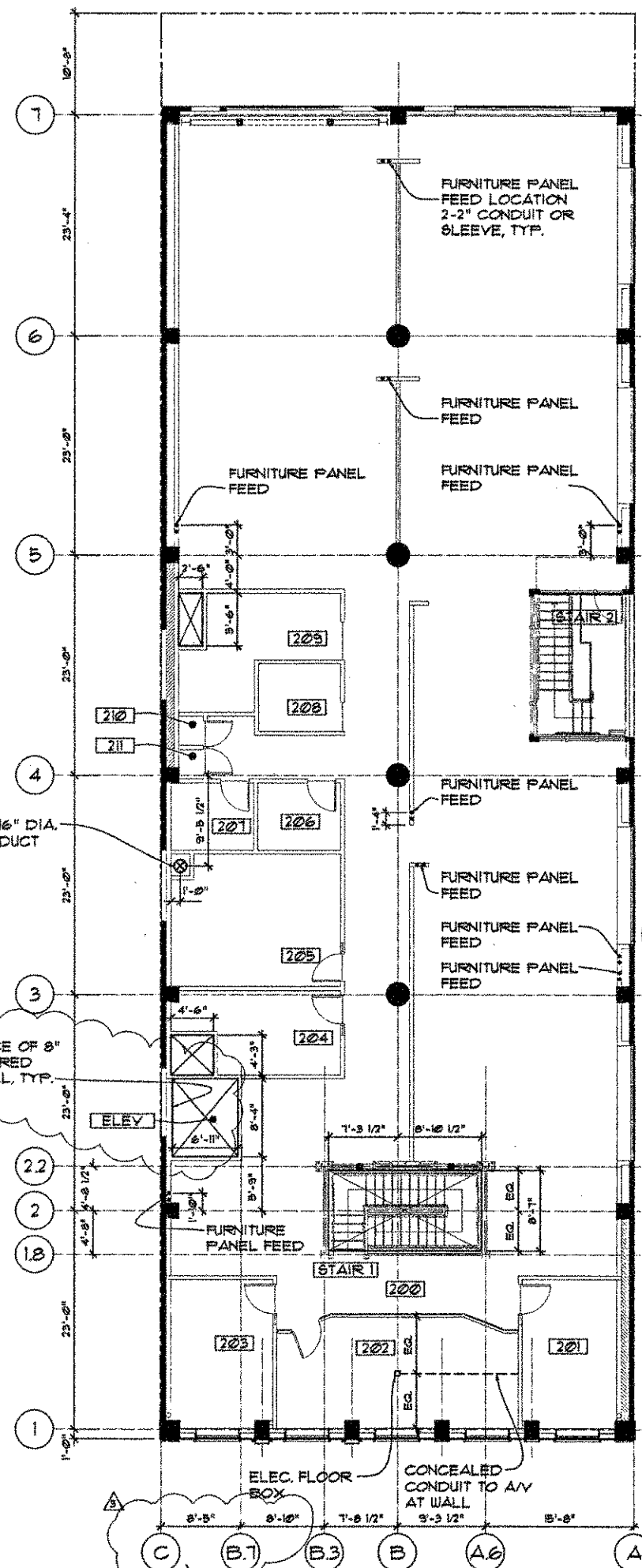
3 FINISH PLAN - SECOND LEVEL
A2.2 SCALE: 1/8" = 1'-0"

SHEET NOTES:

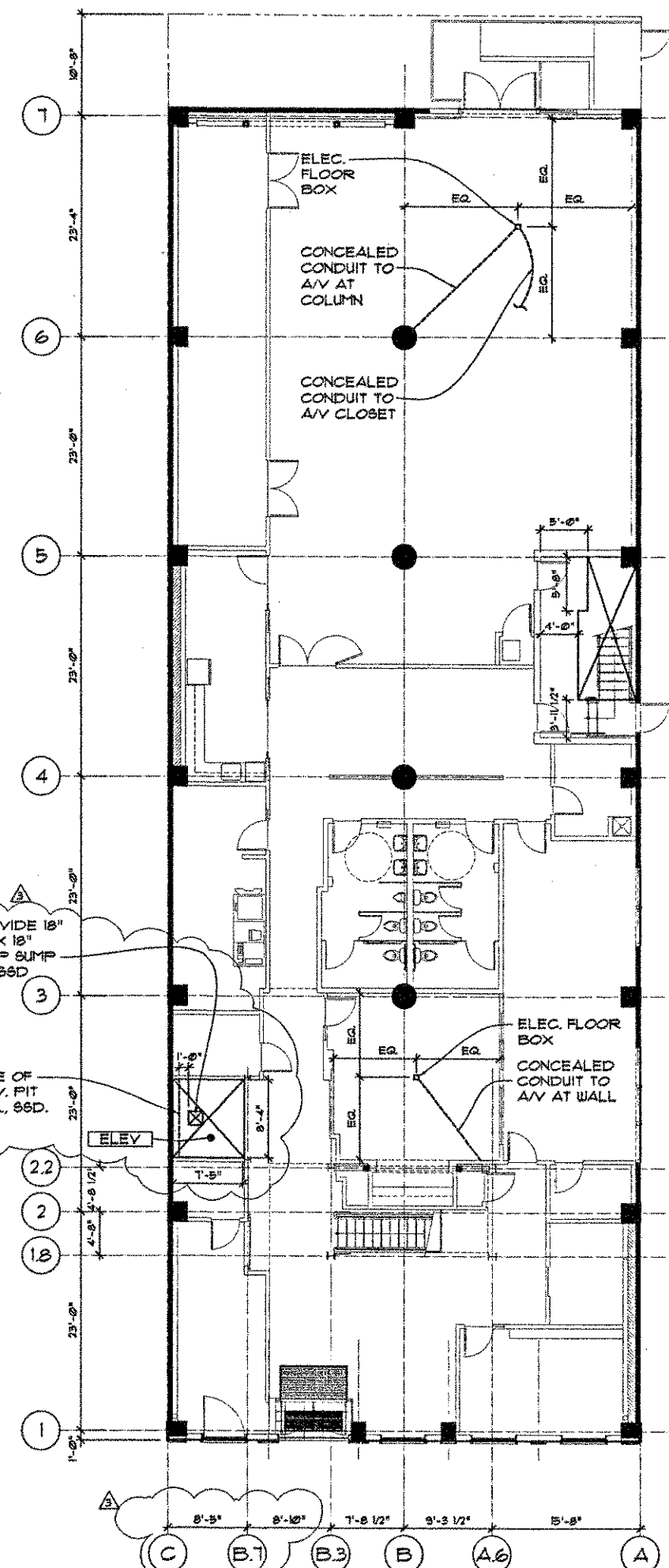
- FOR ALL ROUND DUCT SIZES INDICATED, PROVIDE ADDITIONAL 2" MIN. TO DUCT DIAMETER FOR CLEAR OPENING IN SLAB



3
ROOF LEVEL
EDGE OF SLAB PLAN
SCALE: 1/8" = 1'-0"



2
SECOND LEVEL
EDGE OF SLAB PLAN
SCALE: 1/8" = 1'-0"



1
FIRST LEVEL
EDGE OF SLAB PLAN
SCALE: 1/8" = 1'-0"

LEGEND

- (A) CEMENT PLASTER W/ SMOOTH TROUCEL FINISH
- (B) CEMENT PLASTER
- (C) ALUGOBOND
- (D) GLAZE

KOMOROUS-TOWEY
ARCHITECTS



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
BUILDING ELEVATIONS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDM. 3 03-13-06

© COPYRIGHT 2006

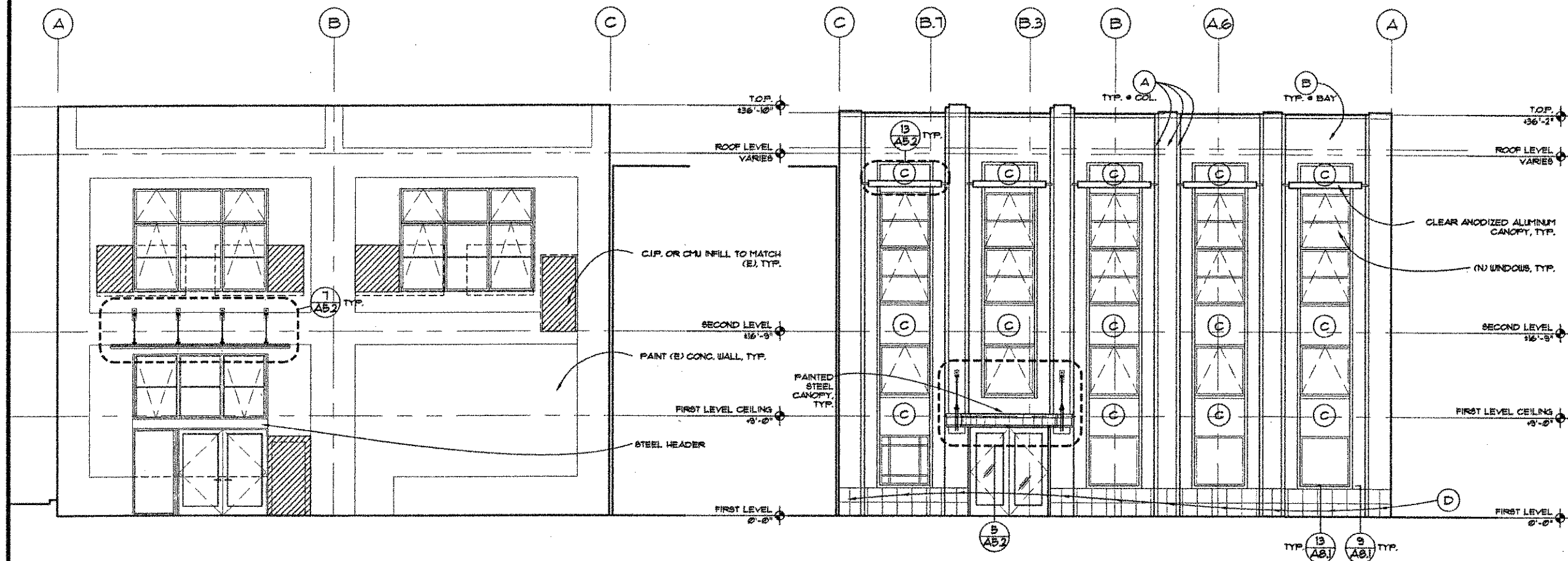


DATE: 02-21-06

DRAWN BY: MC

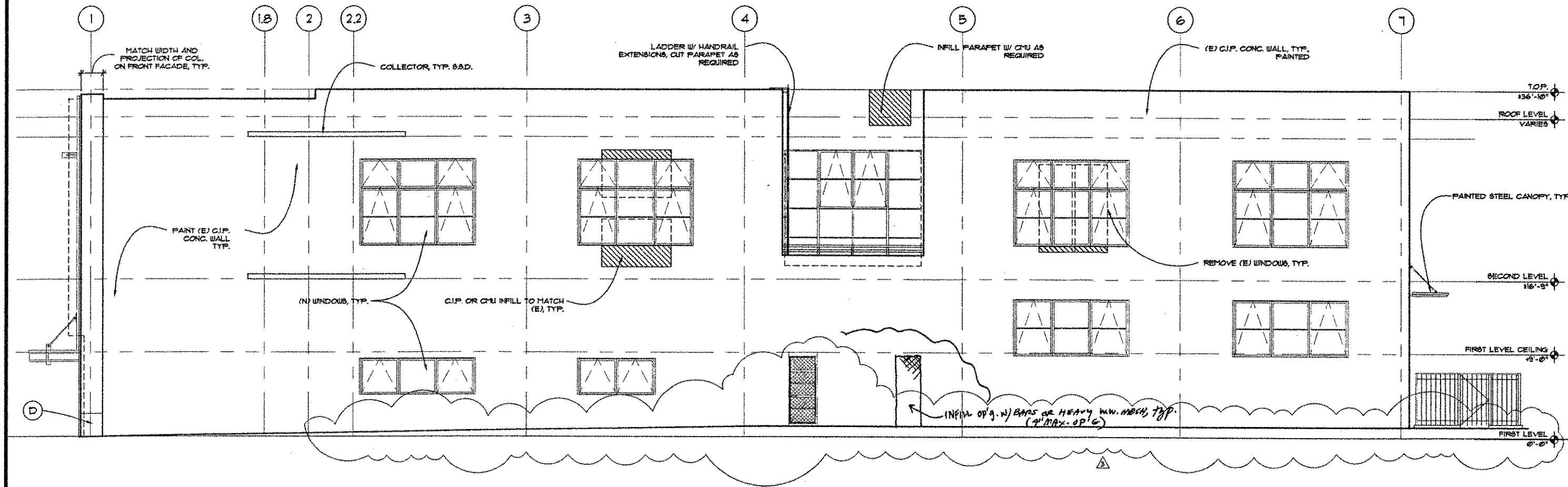
JOB NO.: 2513

A3.0

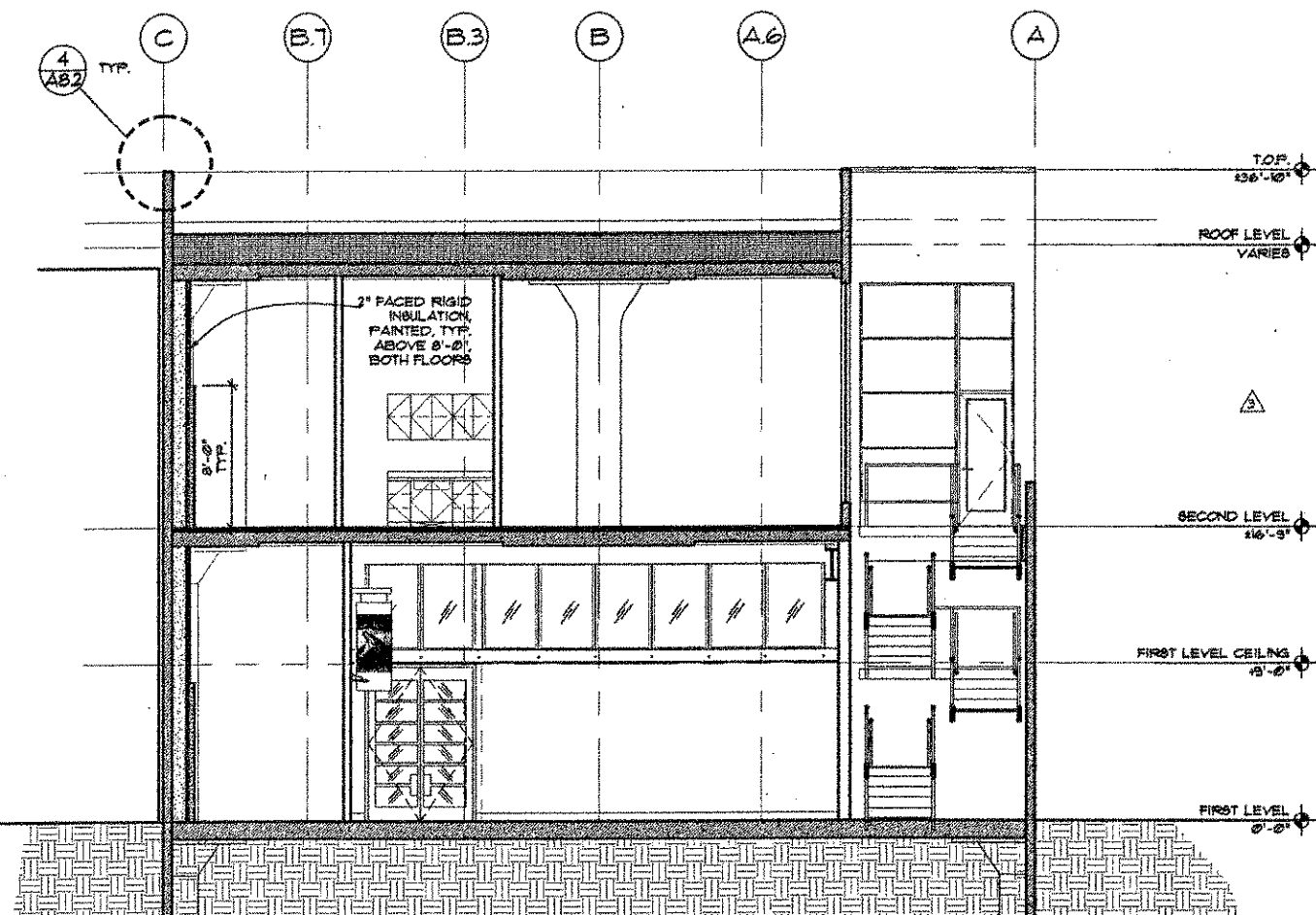


3 WEST ELEVATION
A3.0 SCALE: 3/16" = 1'-0"

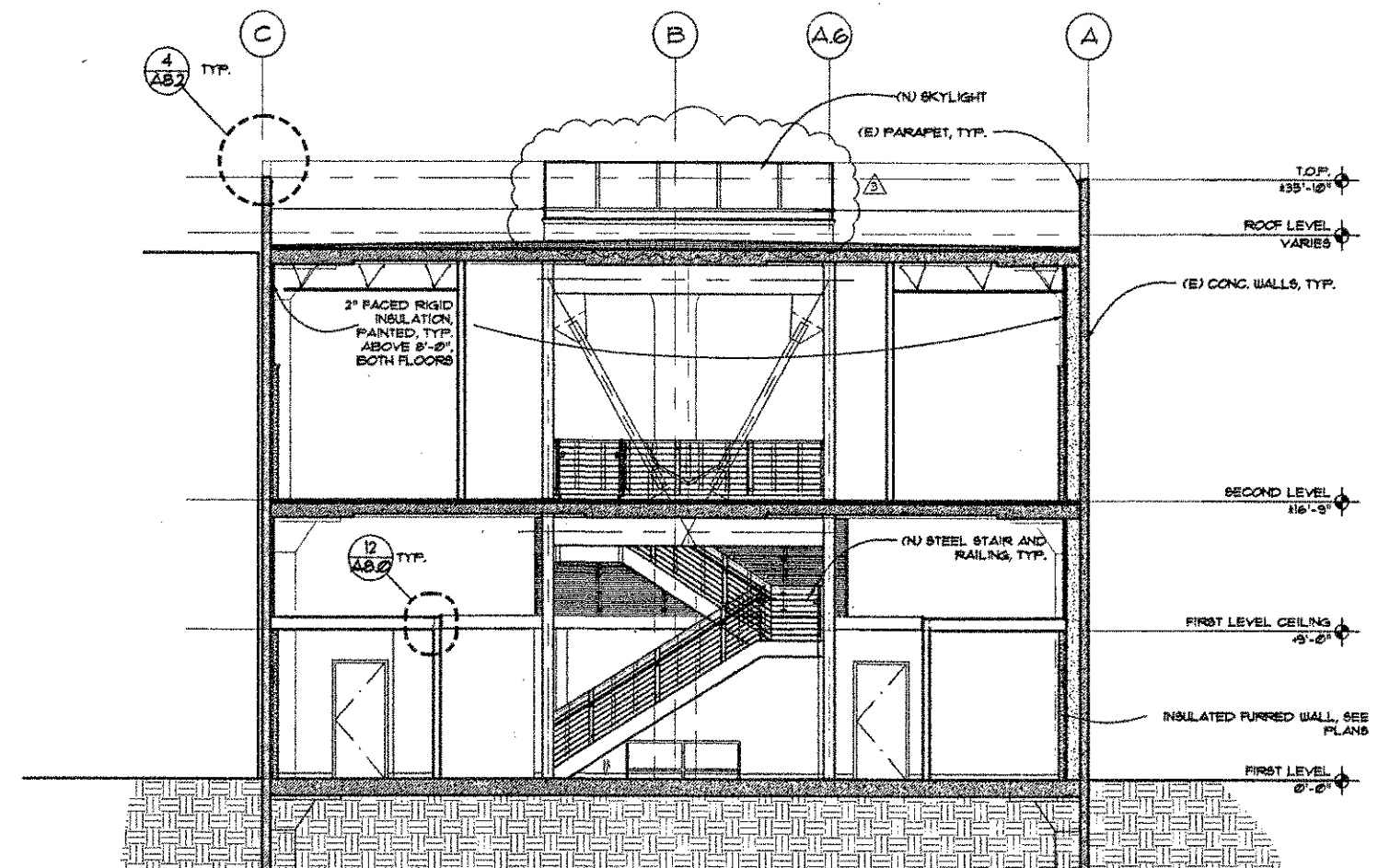
2 EAST ELEVATION
A3.0 SCALE: 3/16" = 1'-0"



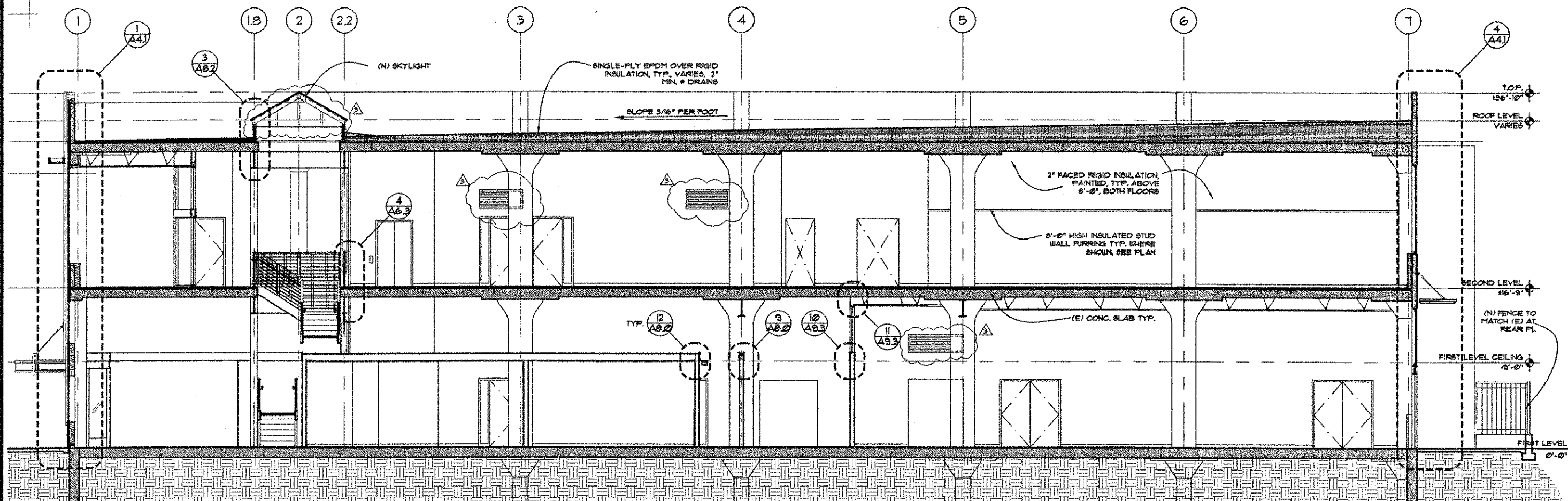
1 NORTH ELEVATION
A3.0 SCALE: 3/16" = 1'-0"



3 CROSS SECTION
A4.0 SCALE: 3/16" = 1'-0"

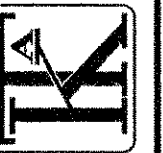


2 CROSS SECTION
A4.0 SCALE: 3/16" = 1'-0"



1 LONGITUDINAL SECTION
A4.0 SCALE: 3/16" = 1'-0"

**KOMOROUS-TOWEY
ARCHITECTS**
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FX: 510.446.2242
karch.com www.karch.com



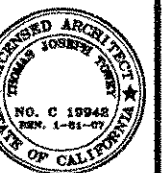
1537 WEBSTER ST. OAKLAND, CA
**BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS**
BUILDING SECTIONS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

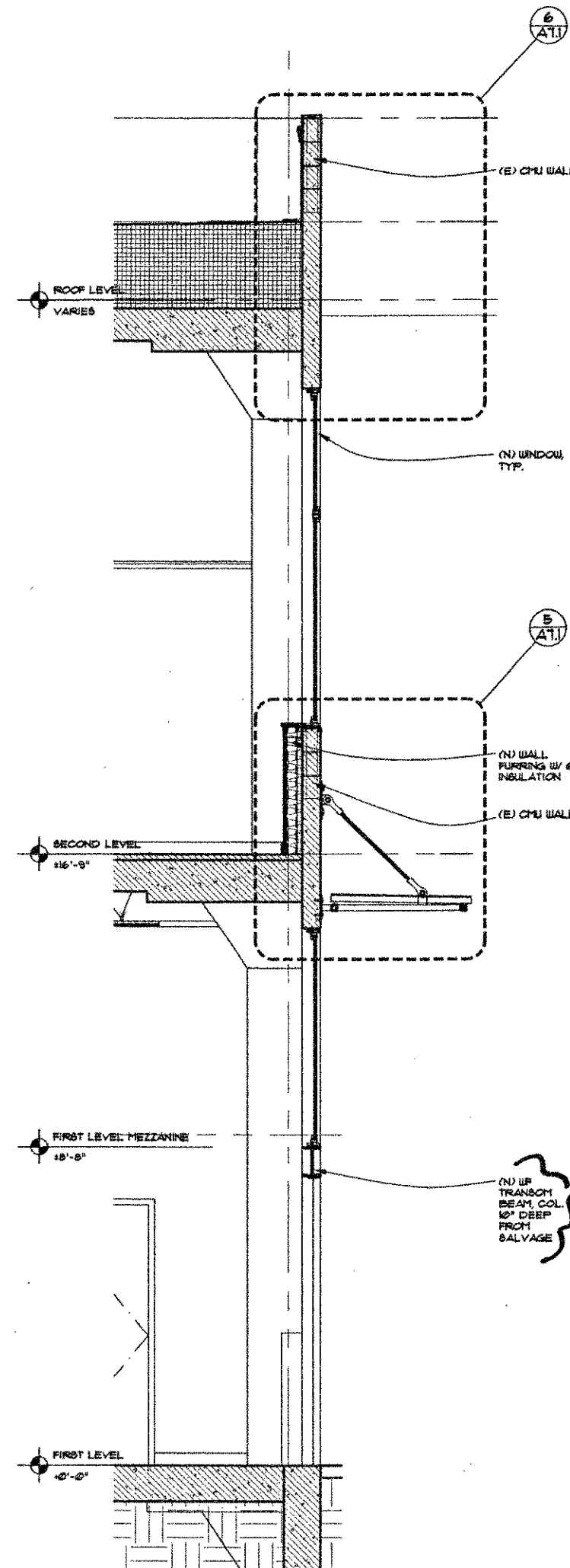
REVISIONS
A ADDM. 3 03-13-06

© COPYRIGHT 2006

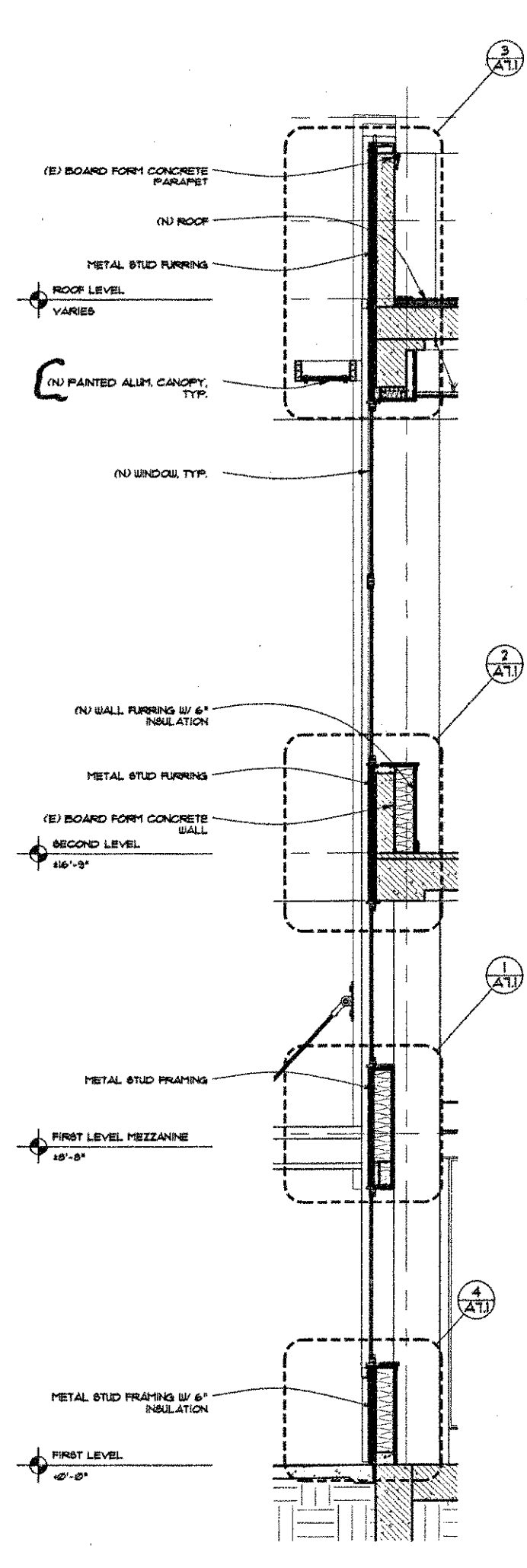


DATE: 02-21-06
DRAWN BY: MC
JOB NO.: 2513

A4.0

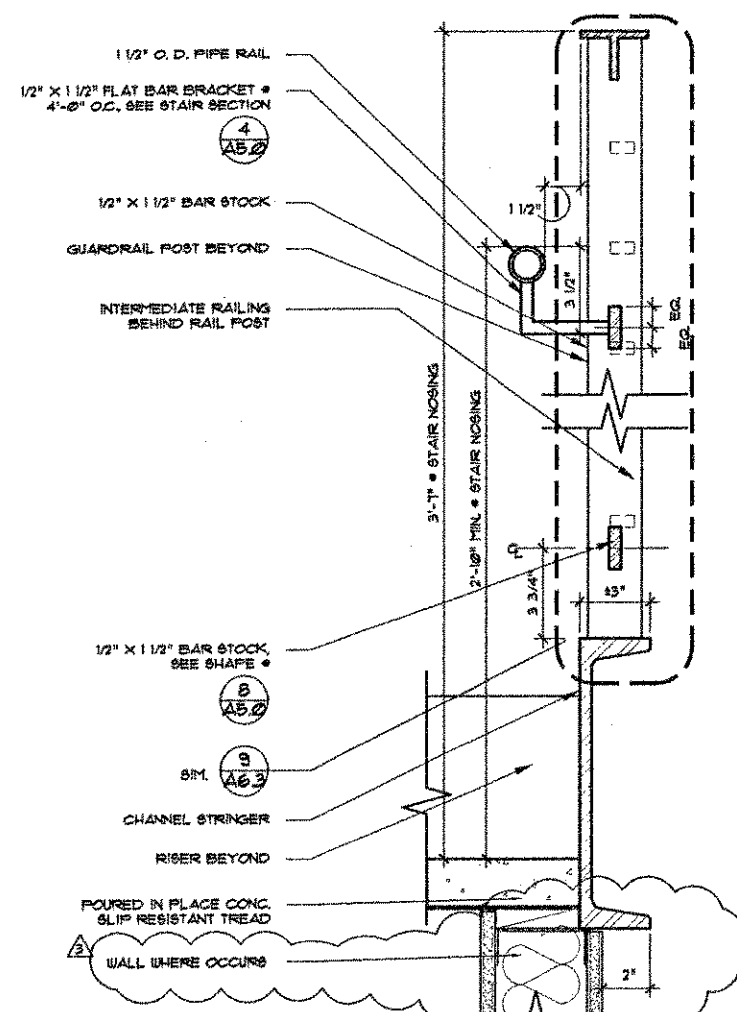


4 WALL SECTION @ REAR WALL
SCALE: 1/2" = 1'-0"

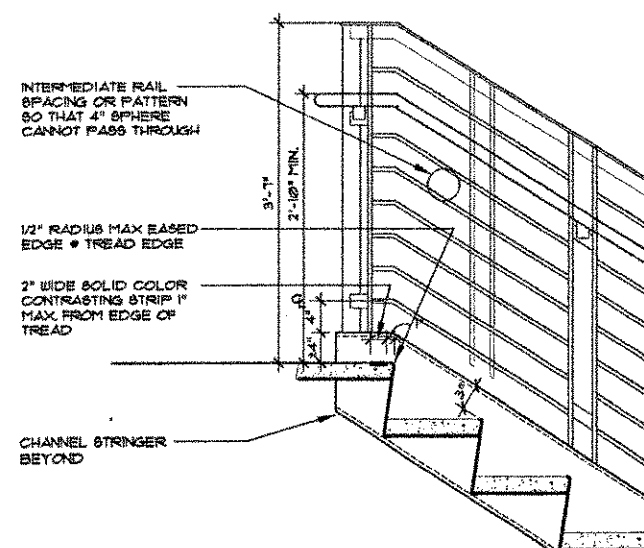


1 WALL SECTION @ FACADE
SCALE: 1/2" = 1'-0"

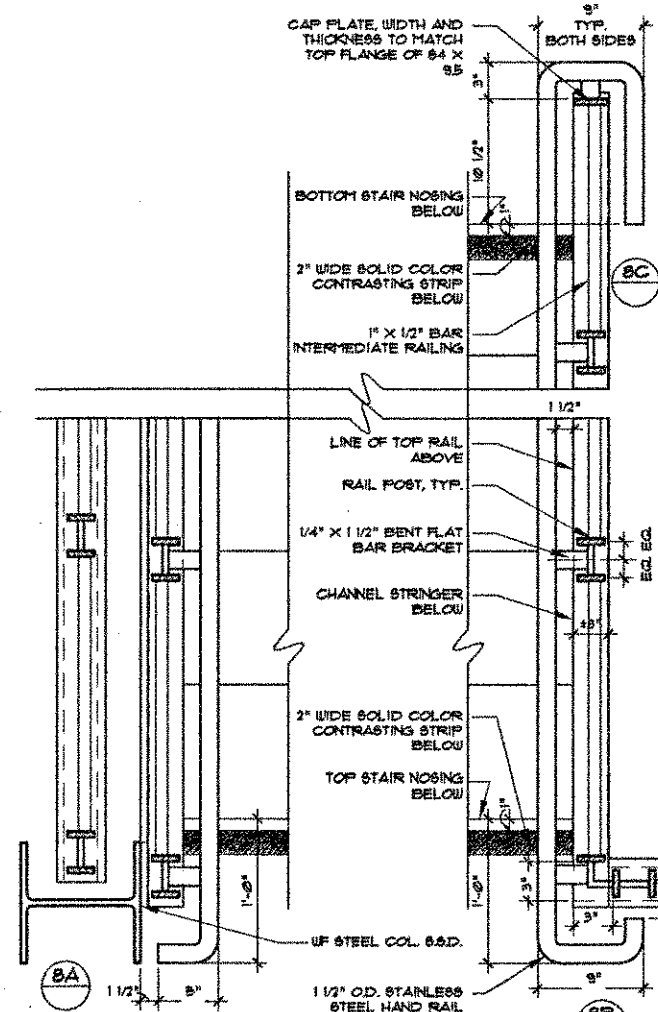




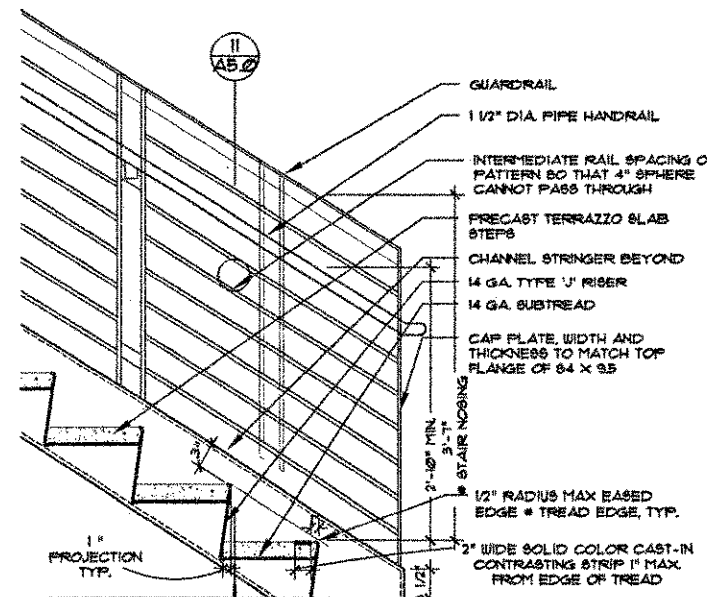
11 STAIR SECTION DTL.
A5.0 SCALE: 3" = 1'-0"



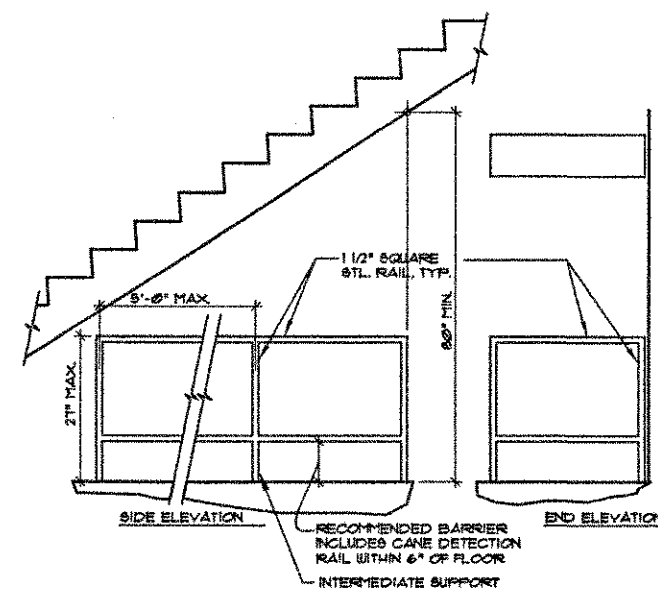
10 TYP. TOP END OF STAIR
A5.0 SCALE: 1" = 1'-0"



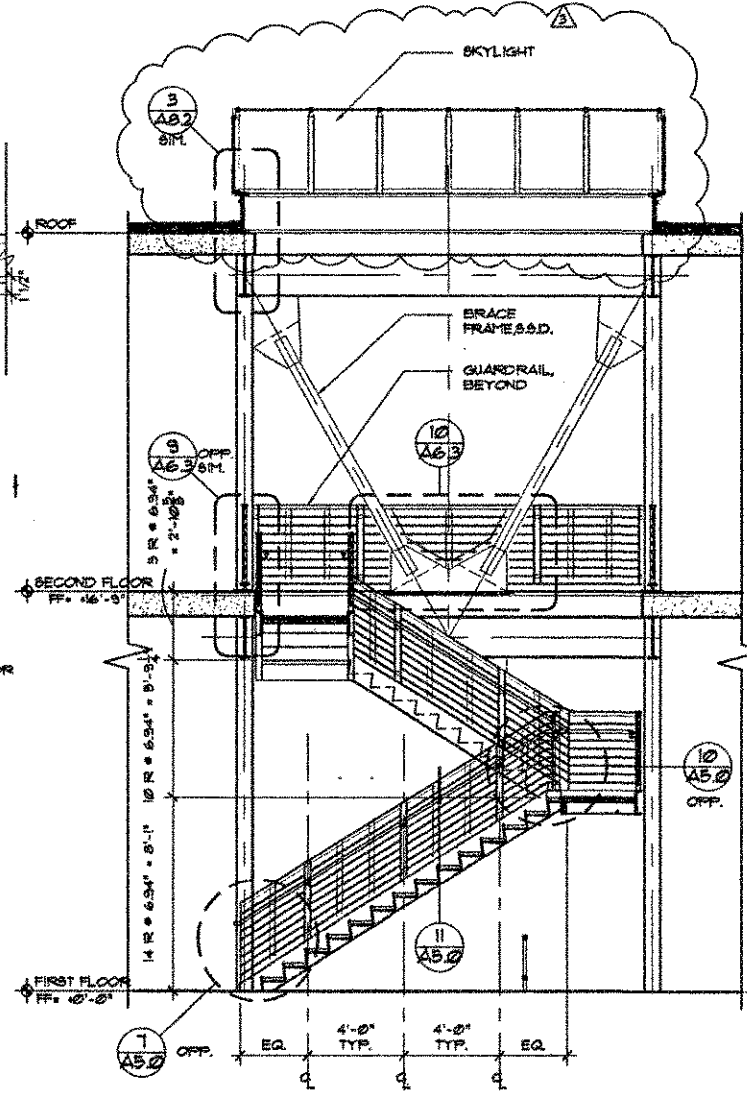
8 STAIR PLAN DTL.
A5.0 SCALE: 1 1/2" = 1'-0" SECTION CUT BELOW GUARDRAIL CAP



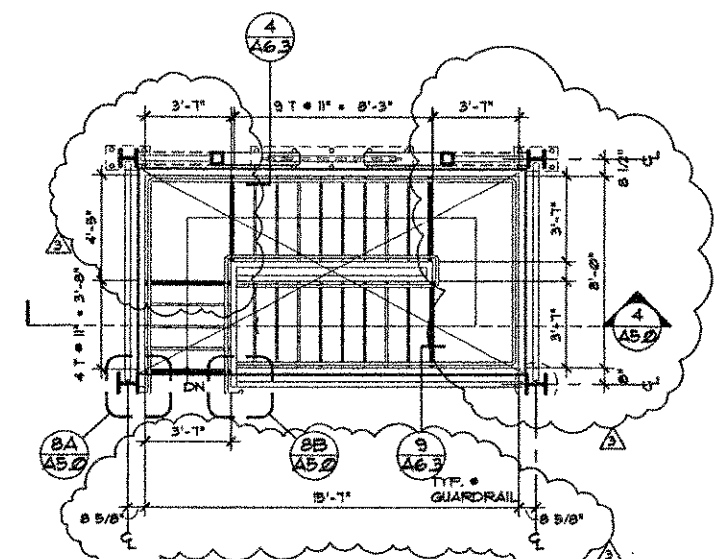
7 TYP. LOW END OF STAIR
A5.0 SCALE: 1" = 1'-0"



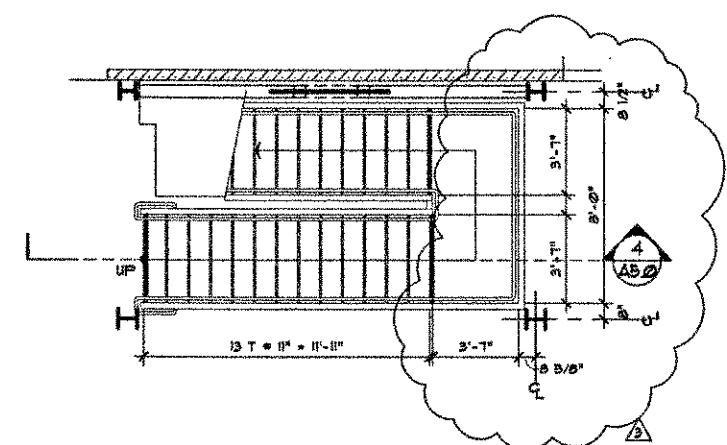
6 METAL BARRIER RAIL
A5.0 SCALE: 1/2" = 1'-0"



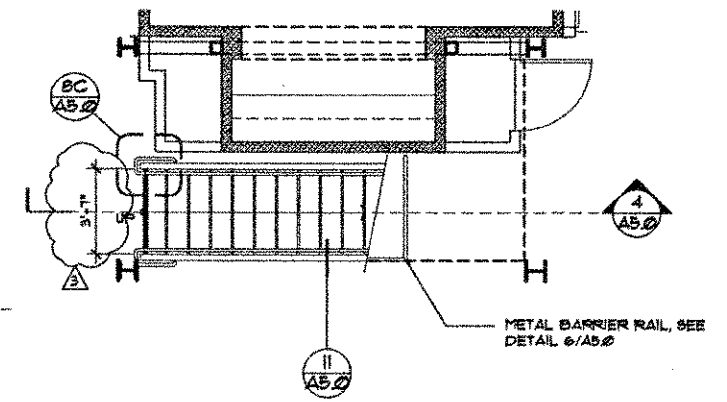
4 STAIR 1 SECTION
A5.0 SCALE: 1/4" = 1'-0"



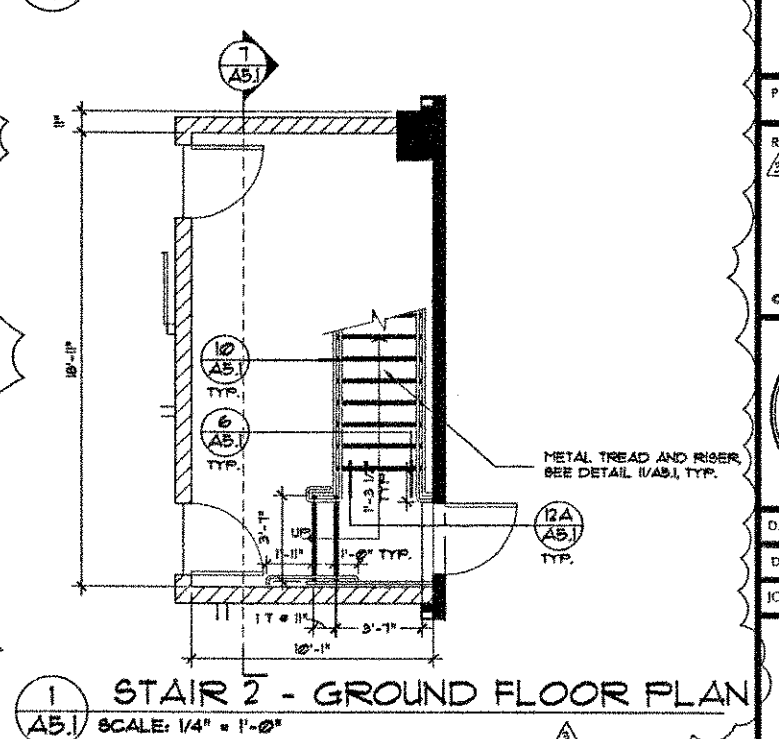
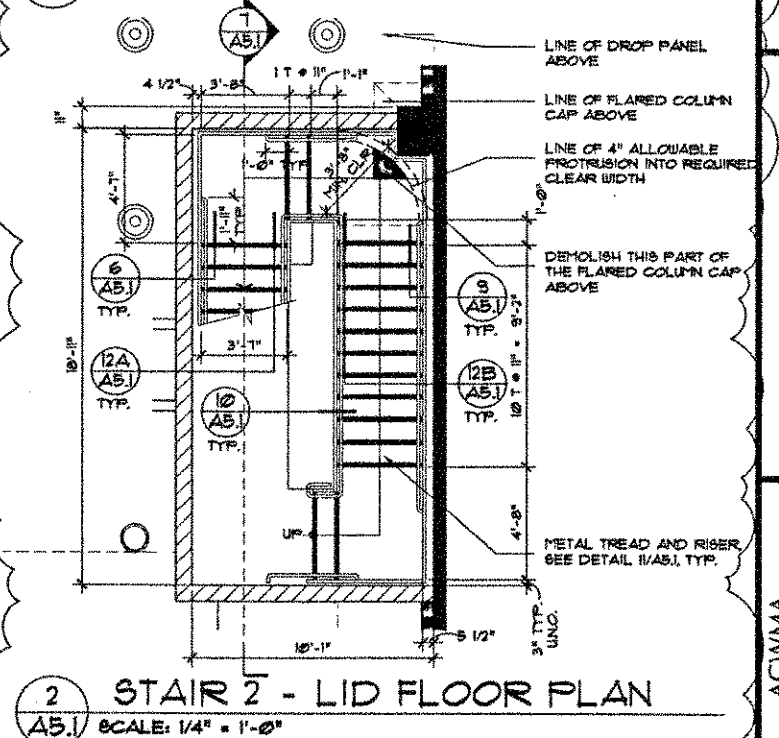
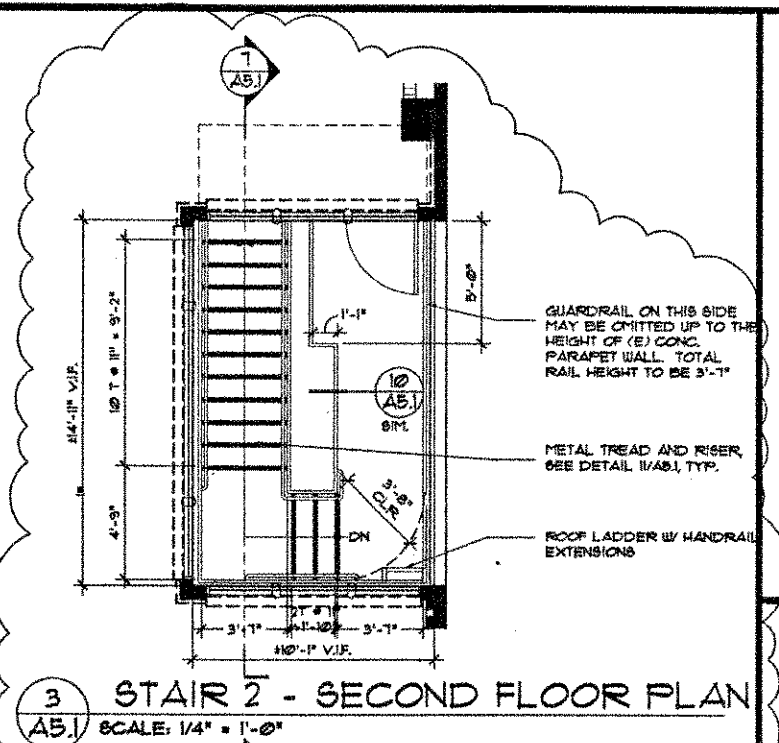
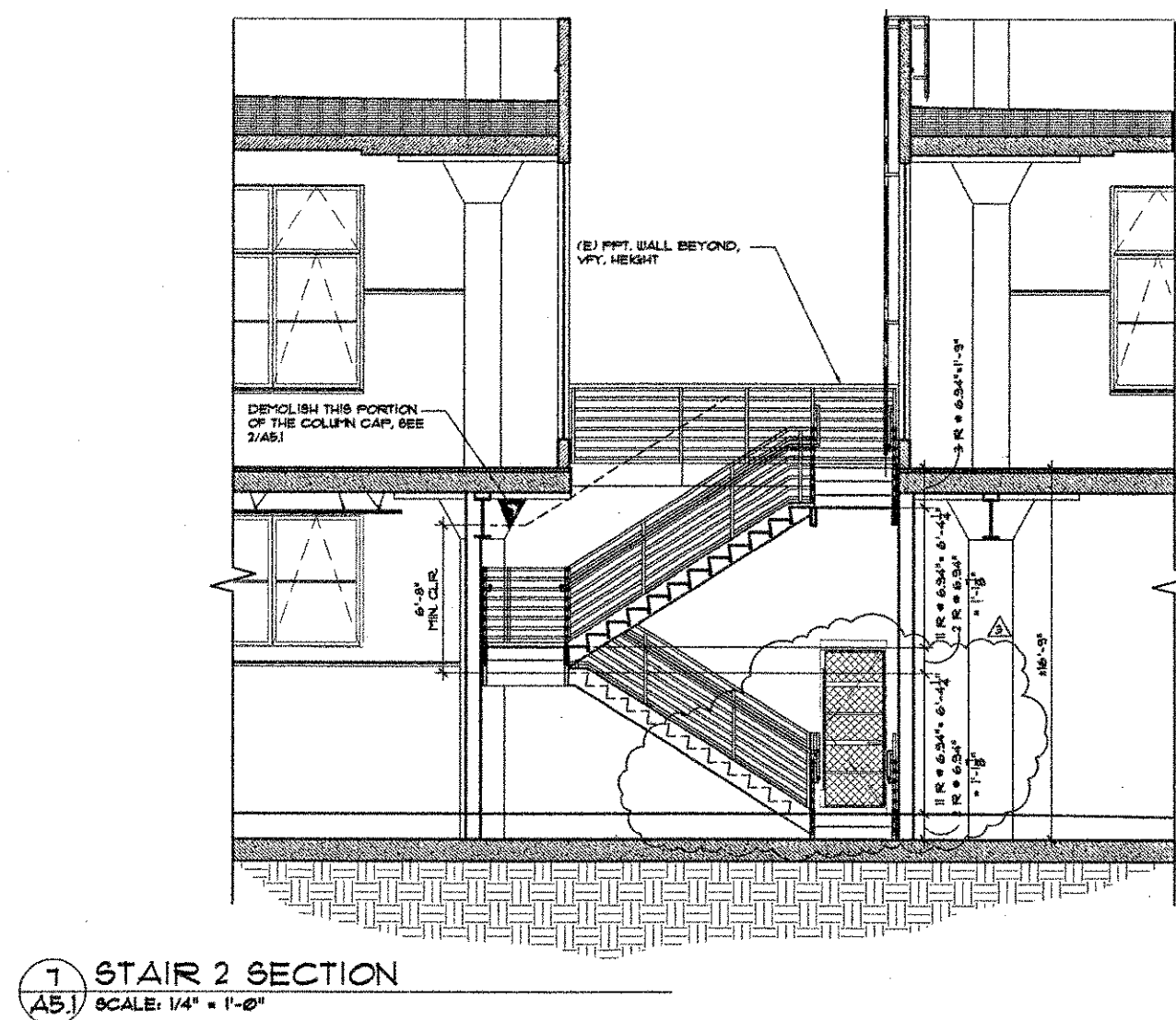
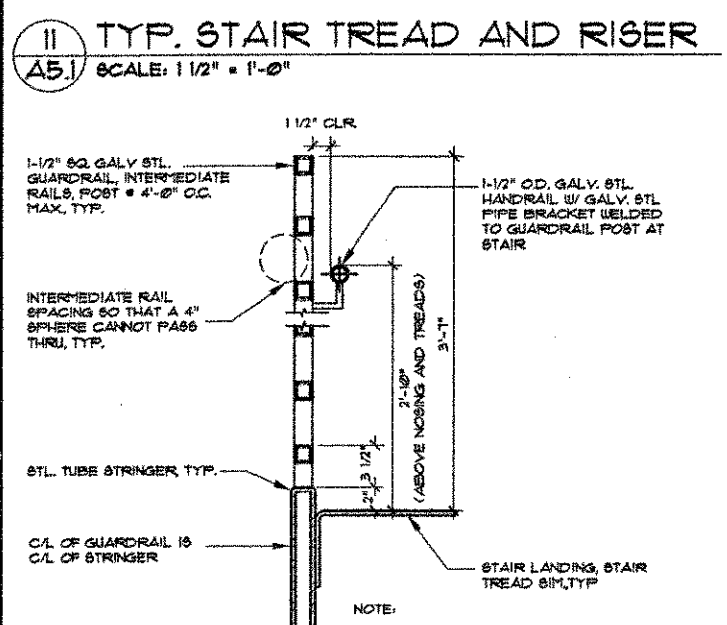
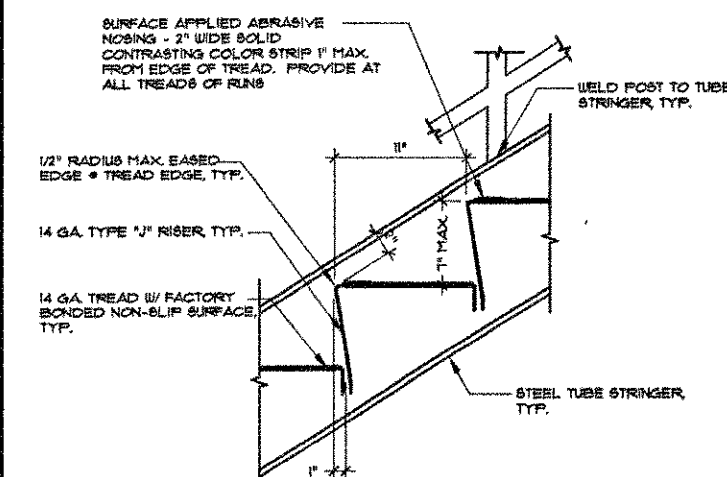
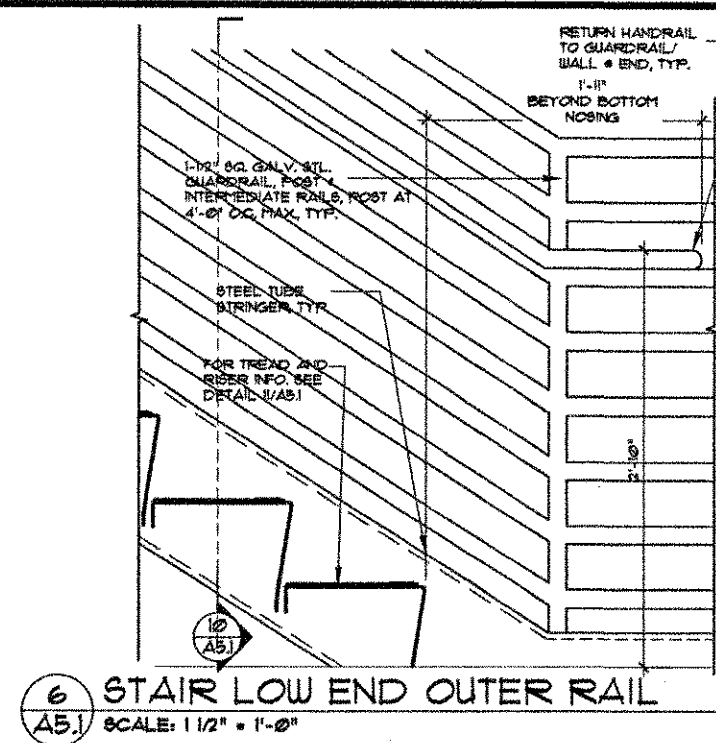
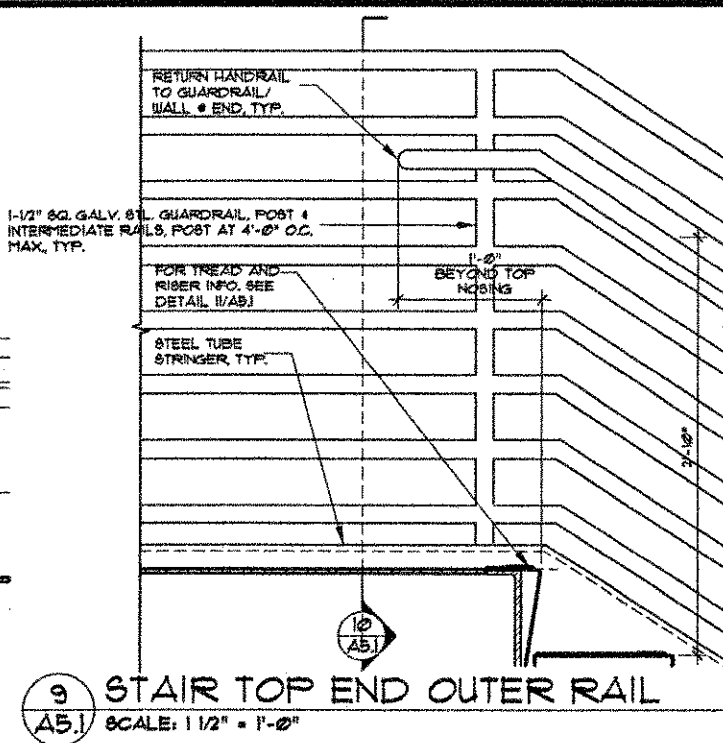
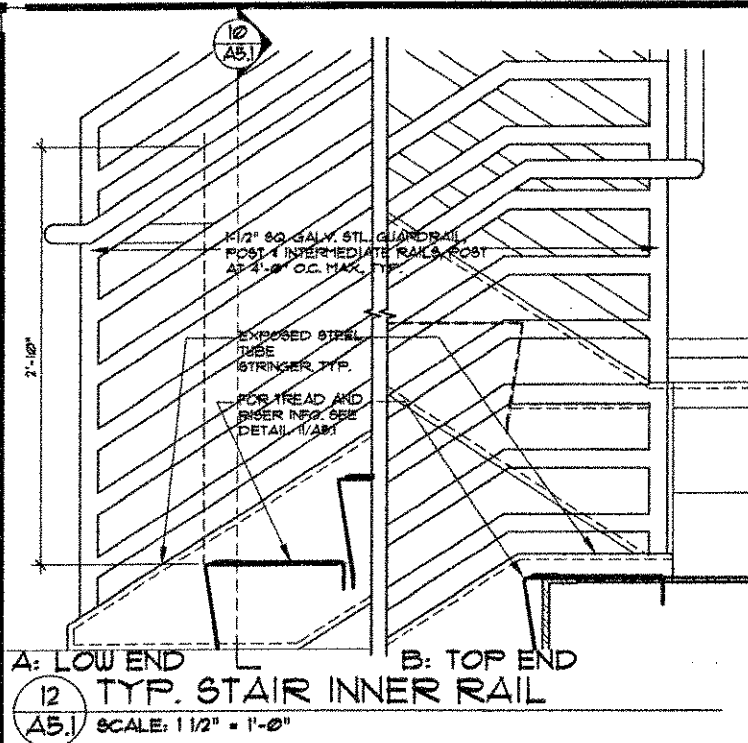
3 STAIR 1 - SECOND FLOOR PLAN
A5.0 SCALE: 1/4" = 1'-0"



2 STAIR 1 - LID FLOOR PLAN
A5.0 SCALE: 1/4" = 1'-0"



1 STAIR 1 - GROUND FLOOR PLAN
A5.0 SCALE: 1/4" = 1'-0"



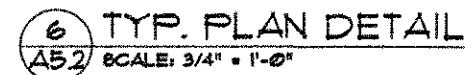
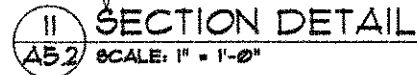
KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
karch@earthlink.net www.karch.com

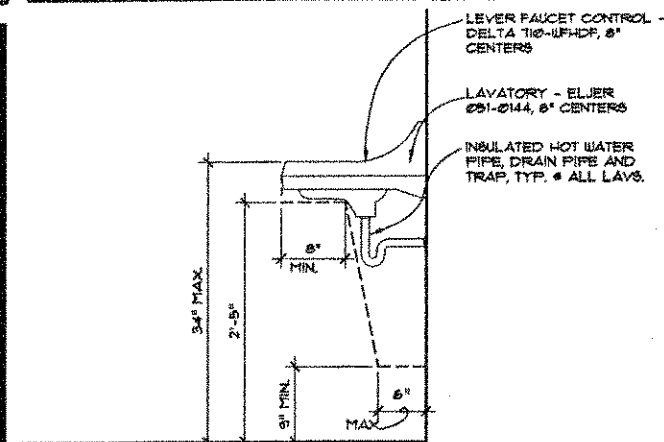
**1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
STAIR 2 PLAN AND DETAILS**

**ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577**

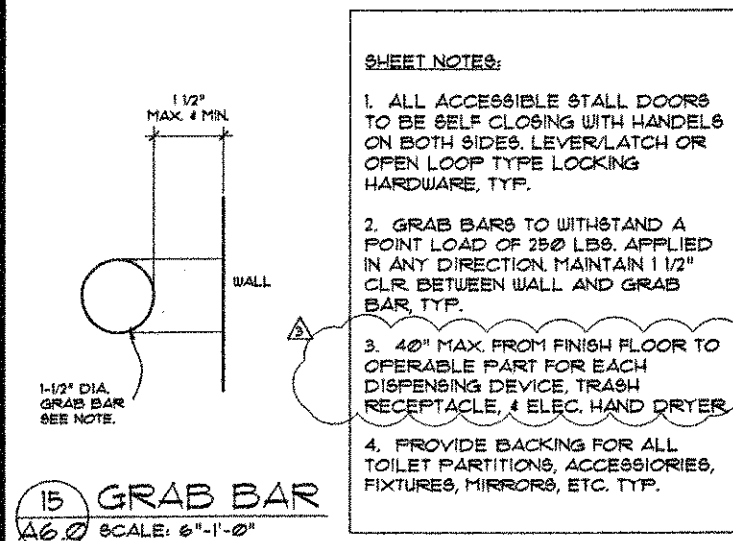
PERMIT SET
REVISIONS
ADDM. 3 03-13-06
© COPYRIGHT 2006
LISENSED ARCHITECT
THOMAS JOSEPH TOWEY
NO. C 19842
REV. 1-31-07
DATE: 02-21-06
DRAWN BY: MC
JOB NO.: 2513

A5.1

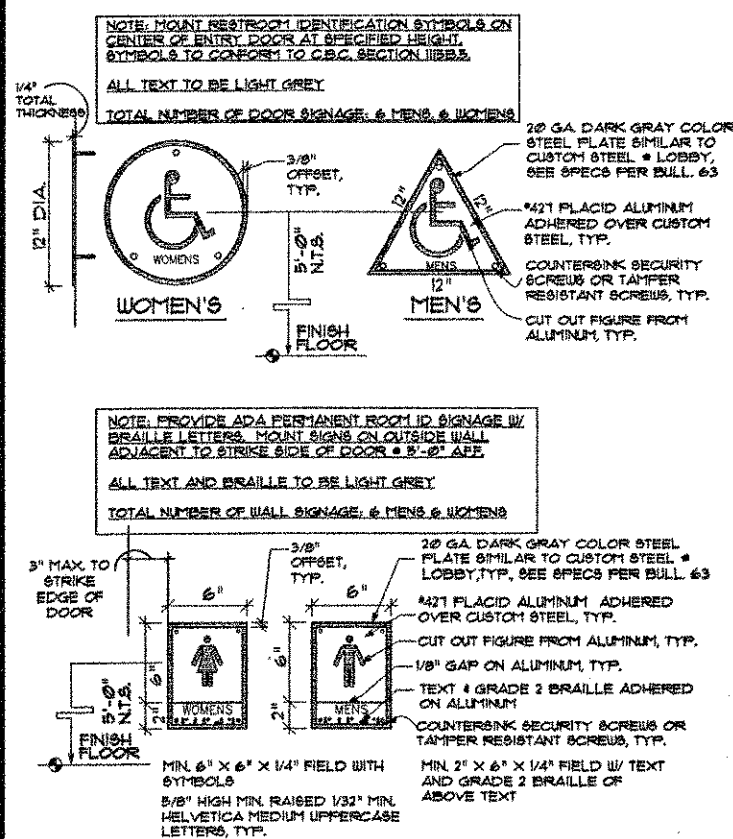




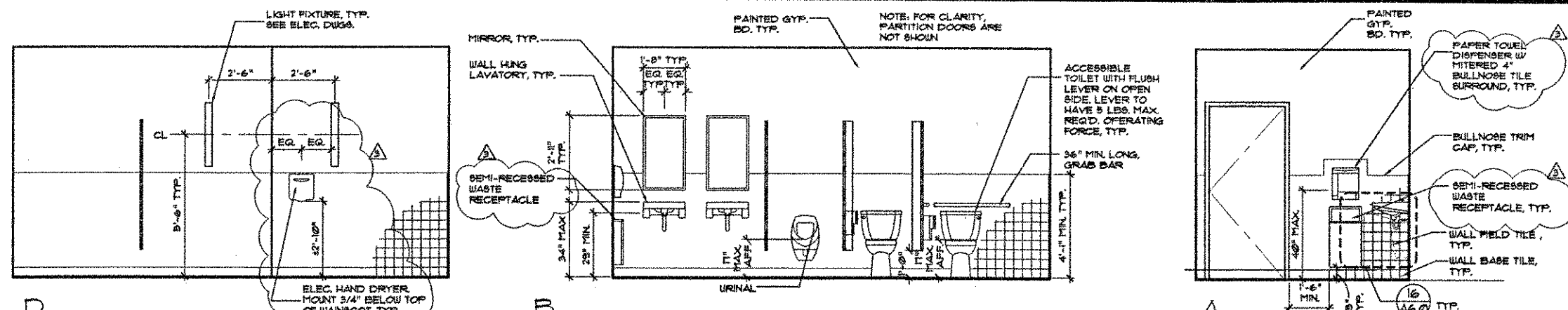
16 LAVATORY
A6.0 SCALE: 1" = 1'-0"



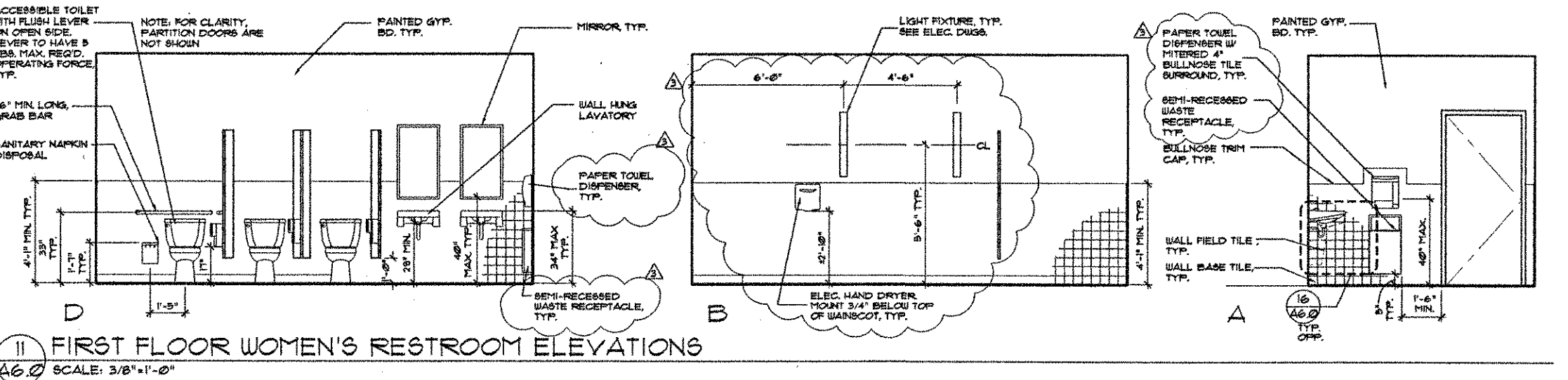
15 GRAB BAR
A6.0 SCALE: 6" = 1'-0"



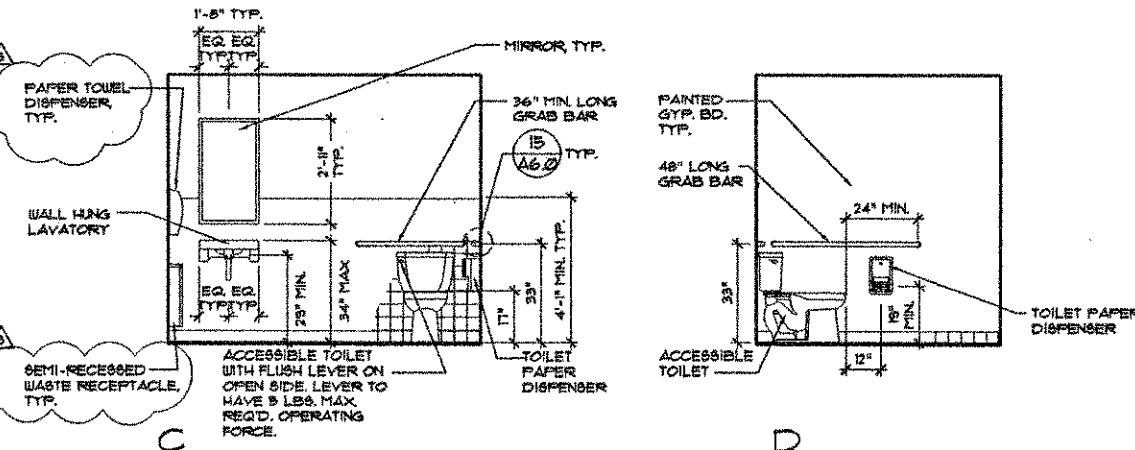
1 SIGNAGE
A6.0 N.T.S.



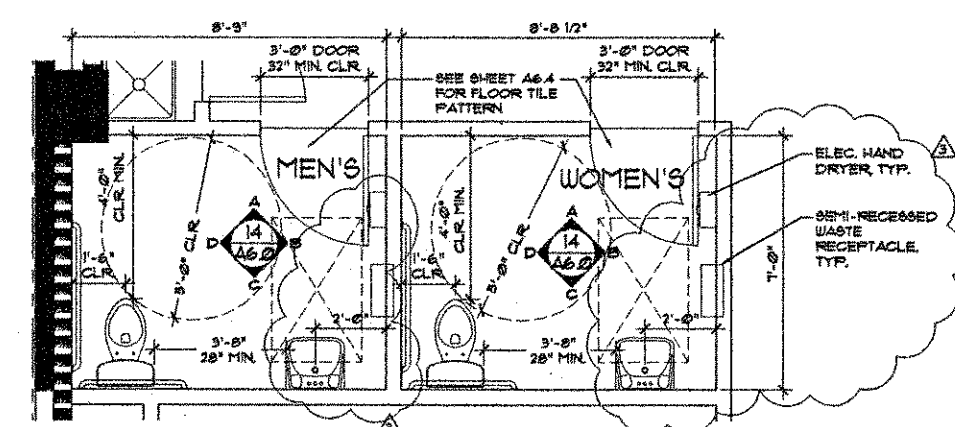
12 FIRST FLOOR MEN'S RESTROOM ELEVATIONS
A6.0 SCALE: 3/8" = 1'-0"



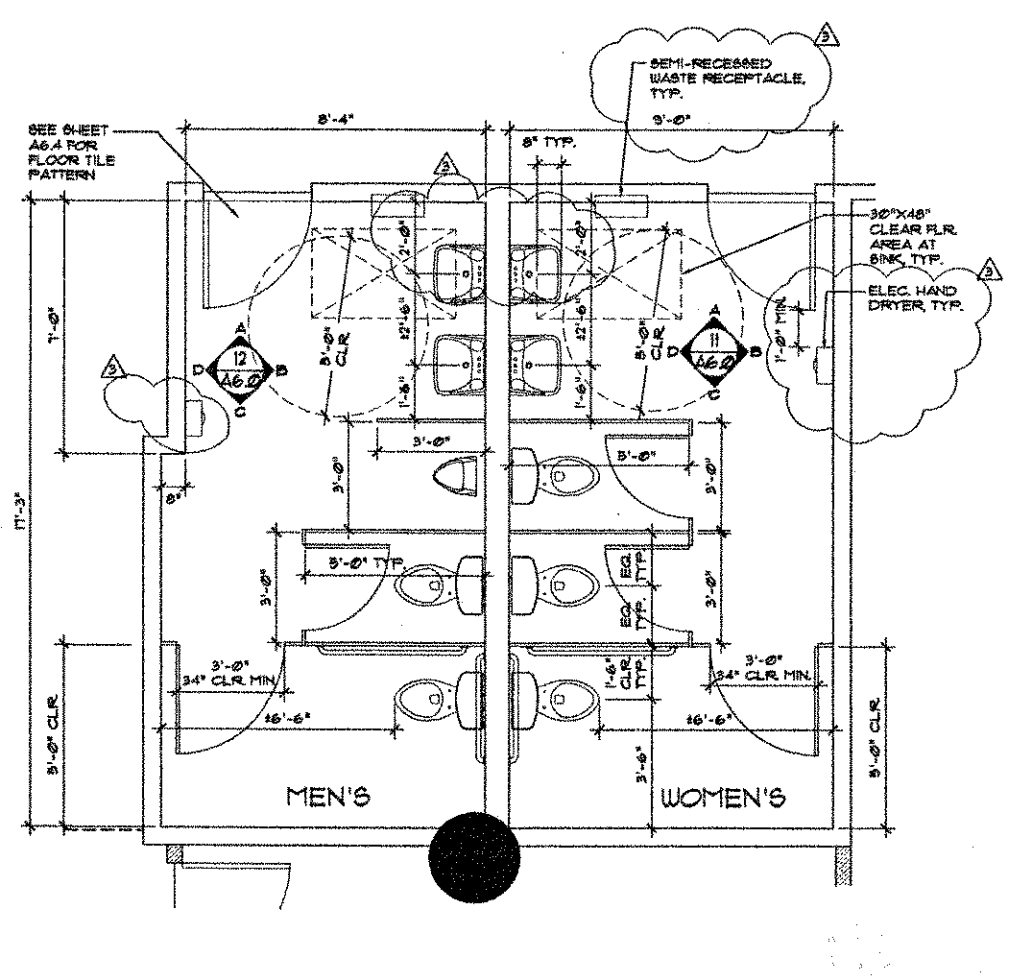
11 FIRST FLOOR WOMEN'S RESTROOM ELEVATIONS
A6.0 SCALE: 3/8" = 1'-0"



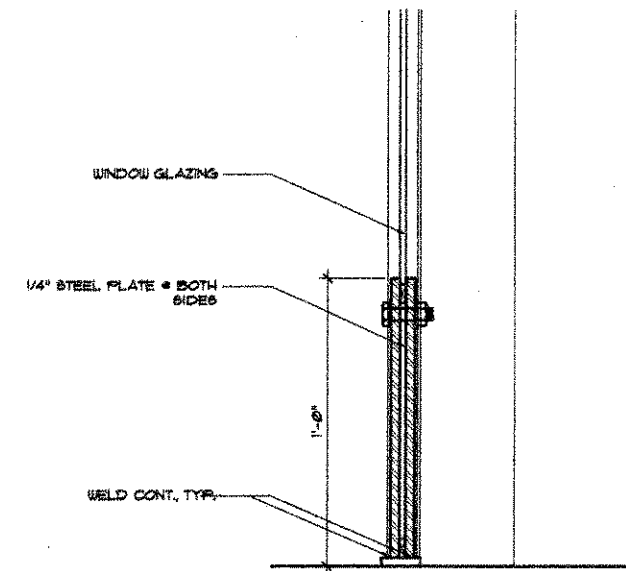
14 SECOND FLOOR RESTROOM ELEVATIONS
A6.0 SCALE: 3/8" = 1'-0"



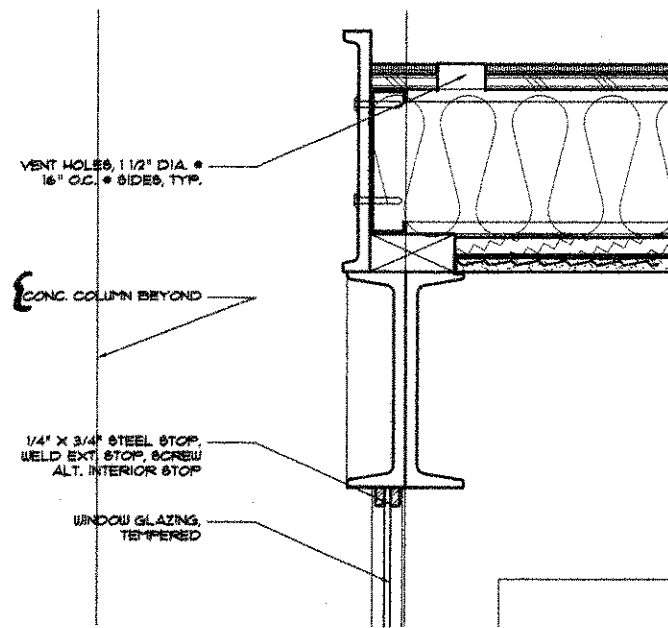
9 2ND FLOOR RESTROOM PLANS
A6.0 SCALE: 3/8" = 1'-0"



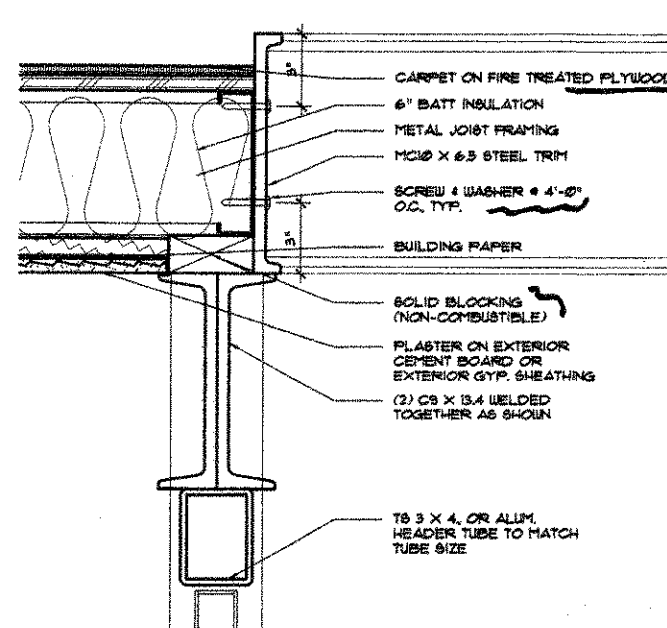
5 FIRST FLOOR RESTROOM PLANS
A6.0 SCALE: 3/8" = 1'-0"



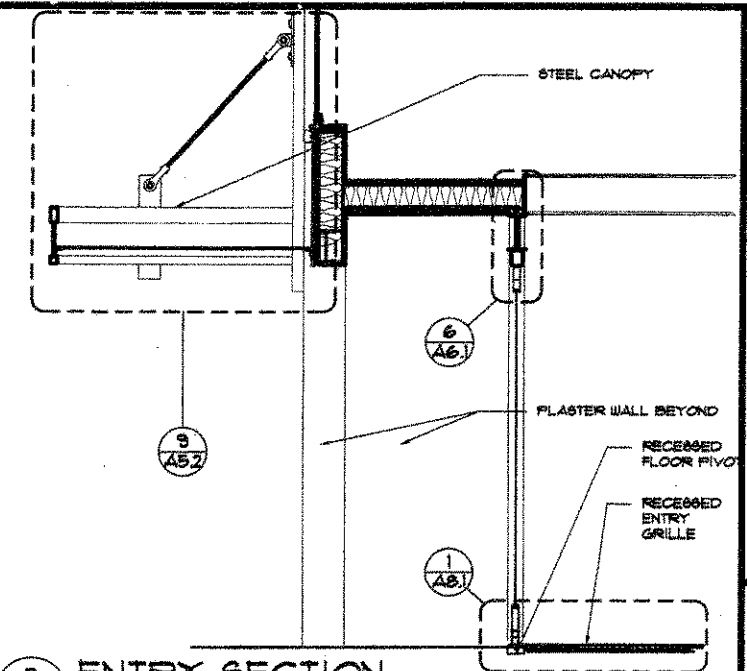
12 BASE DETAIL @ WINDOW
A6.1 SCALE: 3" = 1'-0"



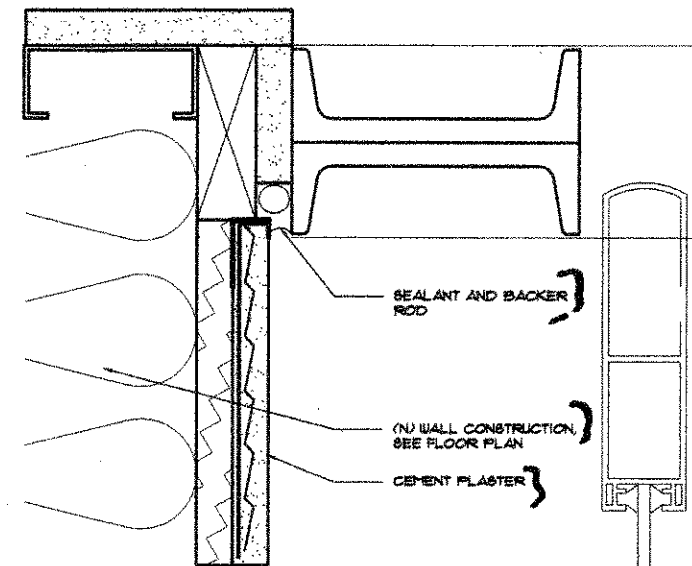
9 HEADER DETAIL @ WINDOW
A6.1 SCALE: 3" = 1'-0" SEE 6/A6.1 FOR SIM. NOTES



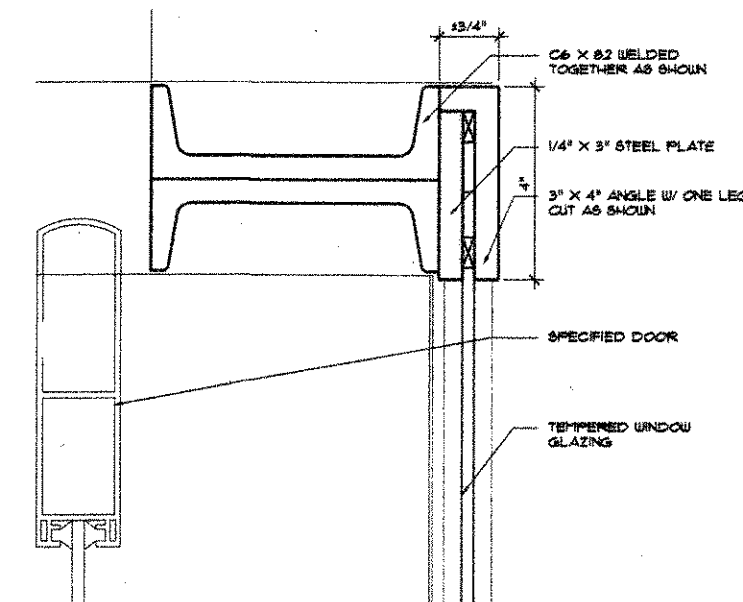
6 HEADER DETAIL @ DOOR
A6.1 SCALE: 3" = 1'-0"



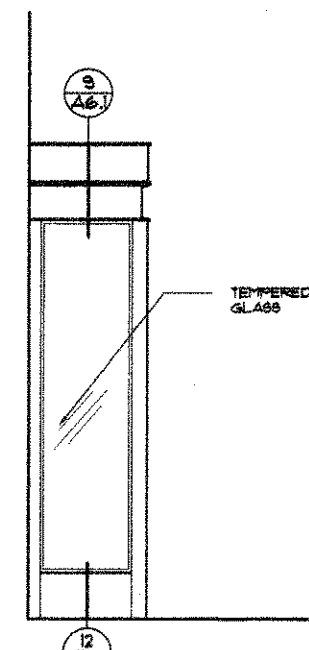
3 ENTRY SECTION
A6.1 SCALE: 1/2" = 1'-0"



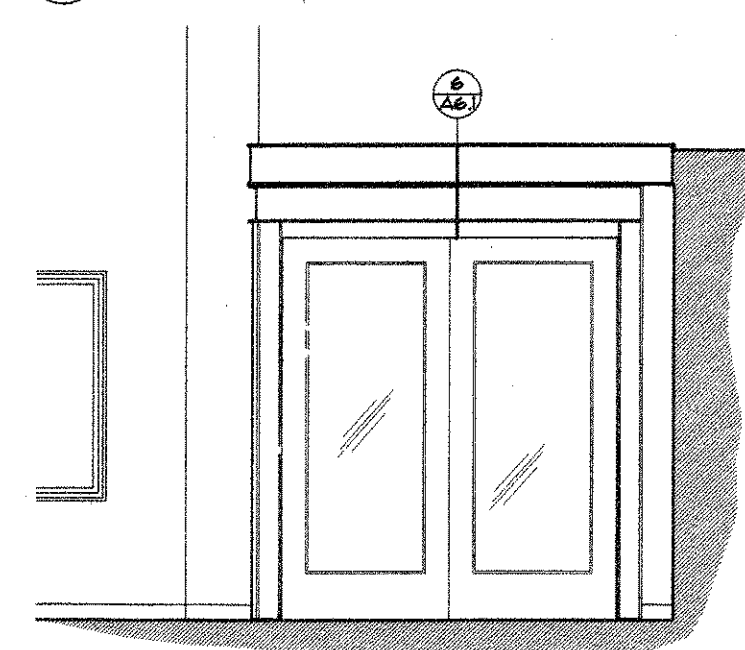
11 JAMB DETAIL @ DOOR
A6.1 SCALE: 6" = 1'-0" SEE 8/A6.1 FOR SIM. NOTES



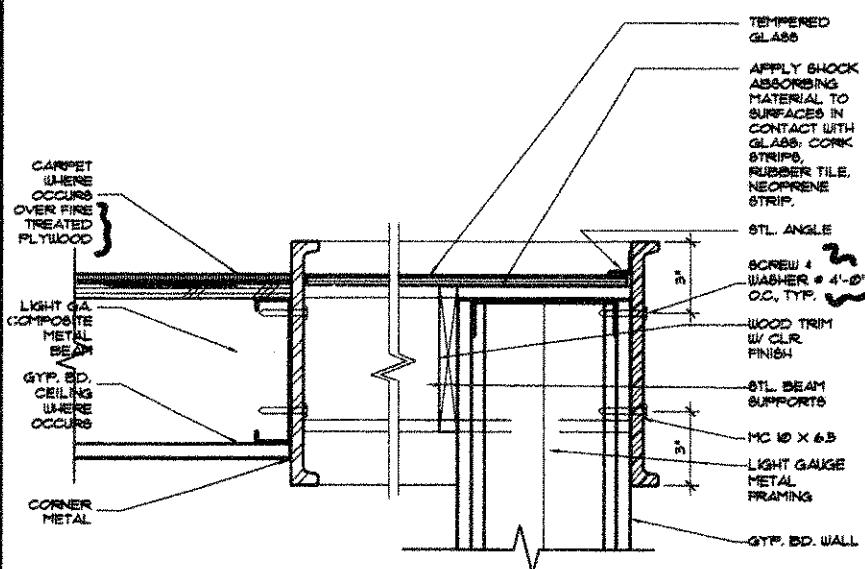
8 JAMB DETAIL @ WINDOW
A6.1 SCALE: 6" = 1'-0"



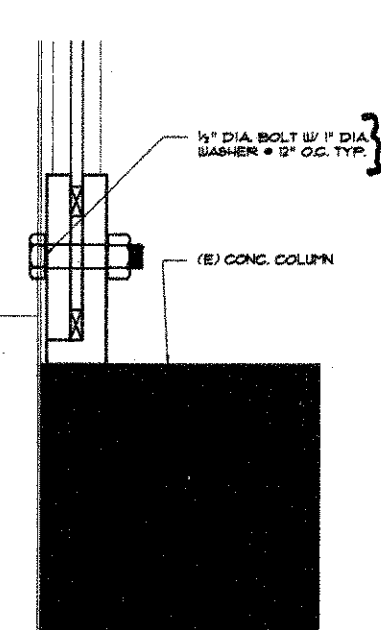
5 SIDE ELEVATION
A6.1 SCALE: 1/2" = 1'-0"



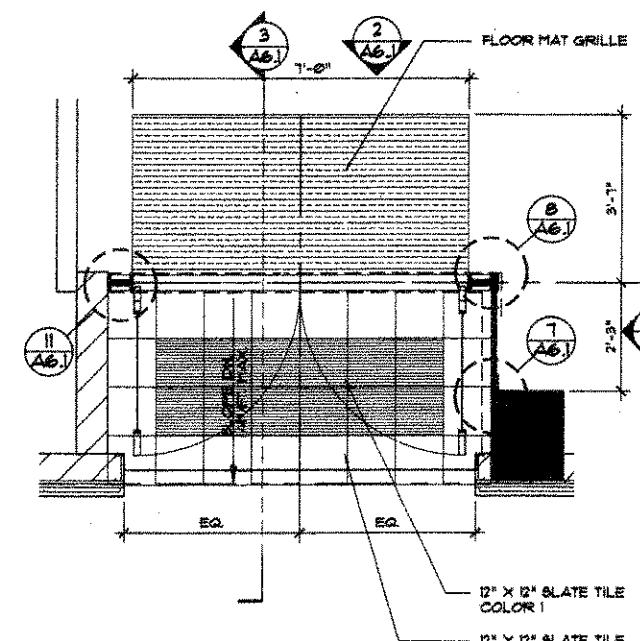
2 ENTRY ELEVATION
A6.1 SCALE: 1/2" = 1'-0"



10 GLASS CEILING DETAIL
A6.1 SCALE: 3" = 1'-0"

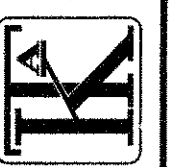


7 JAMB DETAIL @ WINDOW
A6.1 SCALE: 6" = 1'-0" SEE 8/A6.1 FOR SIM. NOTES



1 ENTRY PLAN
A6.1 SCALE: 1/2" = 1'-0"

KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.1244 FAX: 510.446.2242
www.ktarch.com

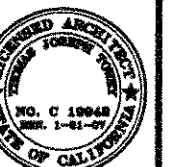


1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
MAIN ENTRY/ RECEPTION
DETAILS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

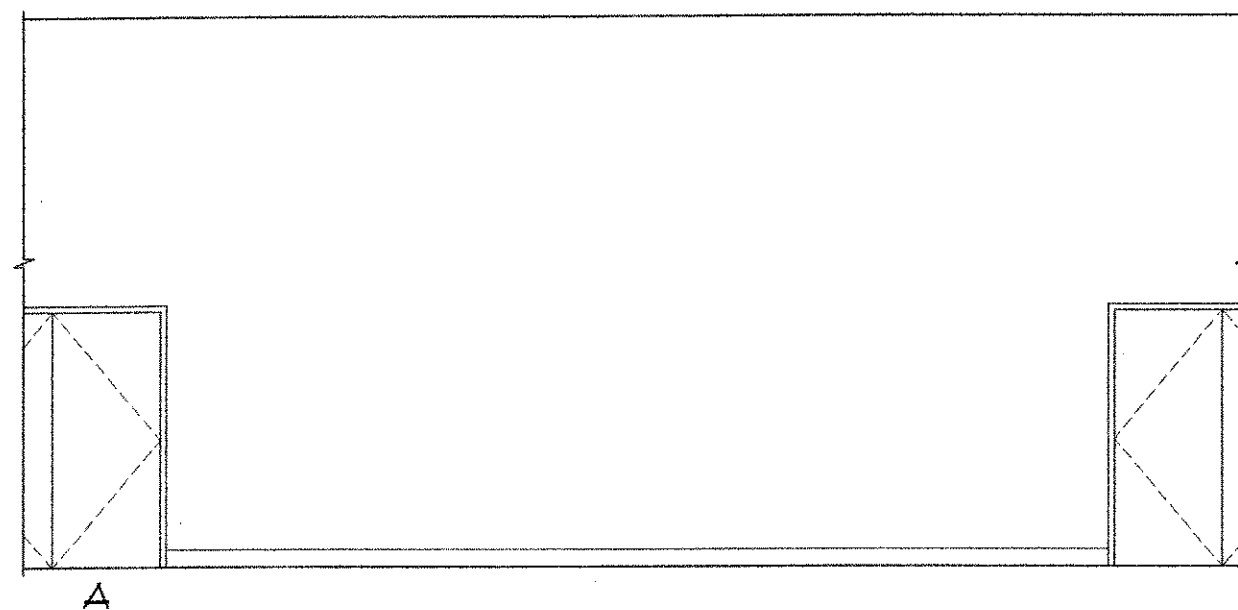
PERMIT SET
REVISIONS

© COPYRIGHT 2005

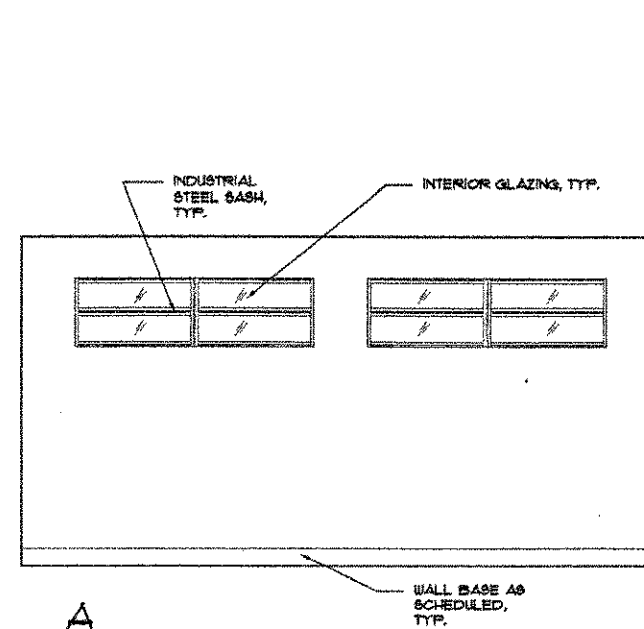


DATE: 01-09-06
DRAWN BY: MC
JOB NO.: 2513

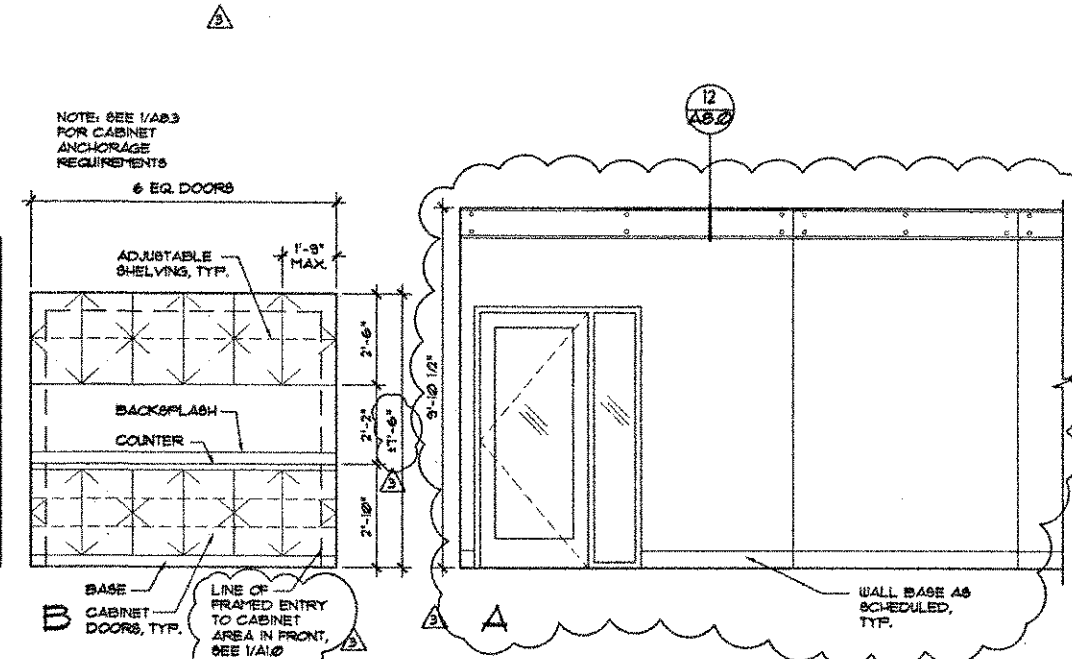
A6.1 x



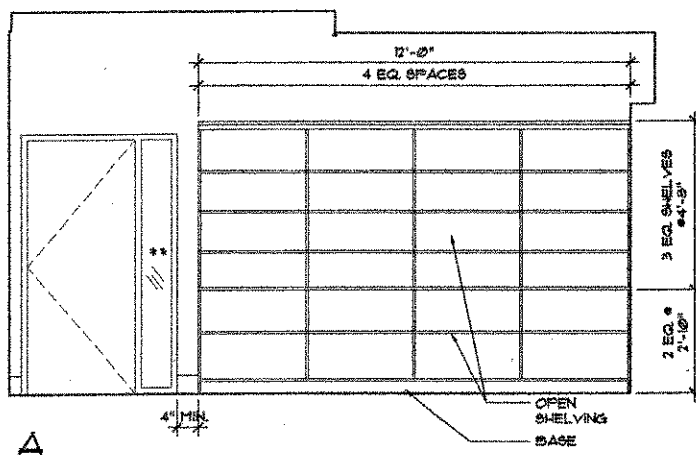
12 INT. ELEV. ROOM 117
A6.2 SCALE: 3/8" = 1'-0"



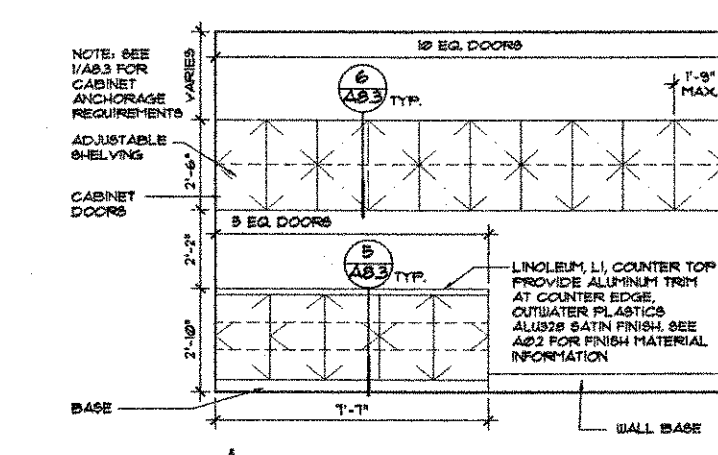
9 INT. ELEVATION ROOM 102
A6.2 SCALE: 3/8" = 1'-0"



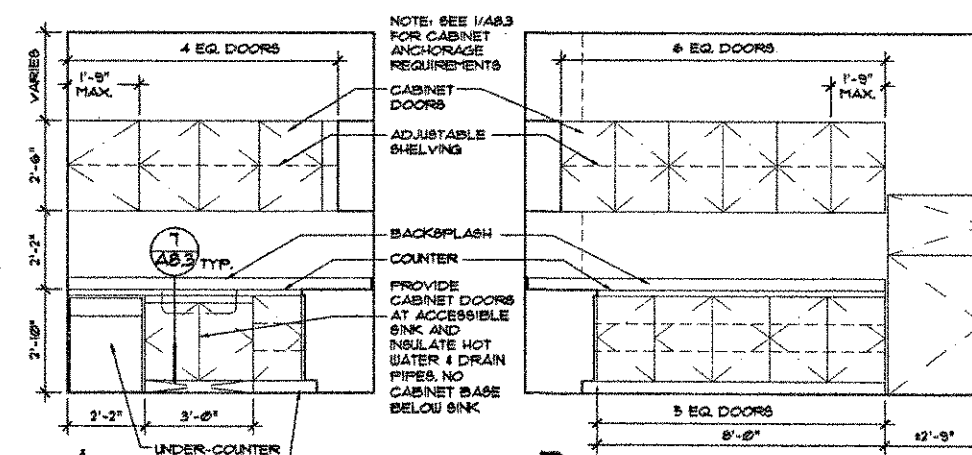
3 INT. ELEVATION ROOM 114
A6.2 SCALE: 3/8" = 1'-0"



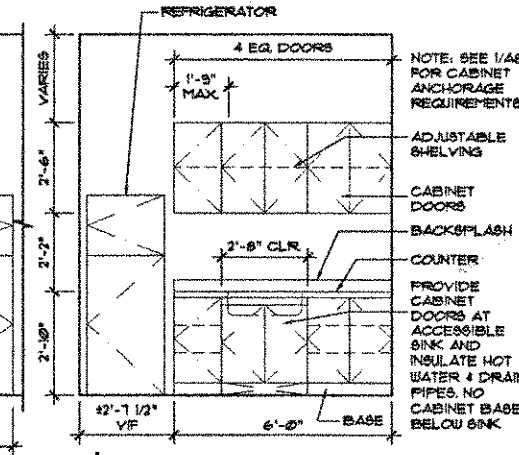
11 INT. ELEV. ROOM 113
A6.2 SCALE: 3/8" = 1'-0"



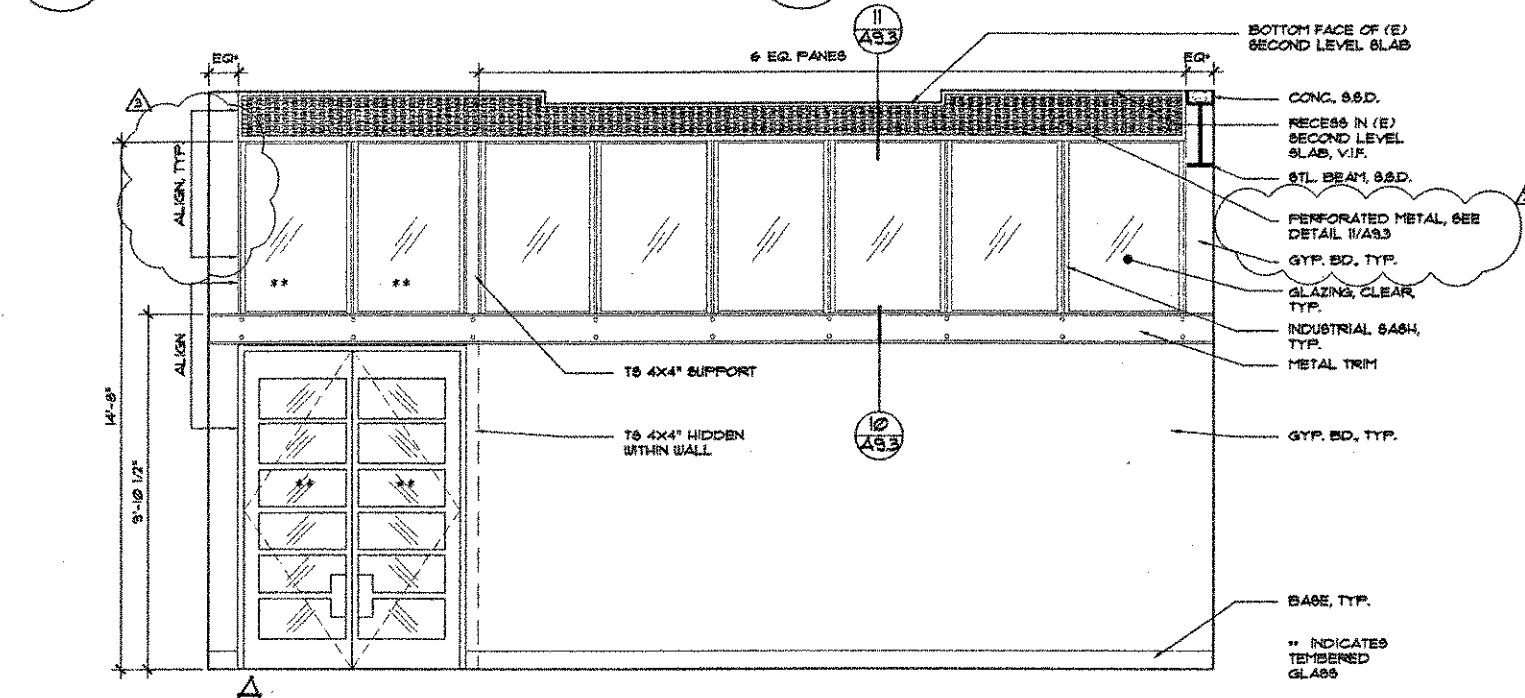
8 INT. ELEV. ROOM 209
A6.2 SCALE: 3/8" = 1'-0"



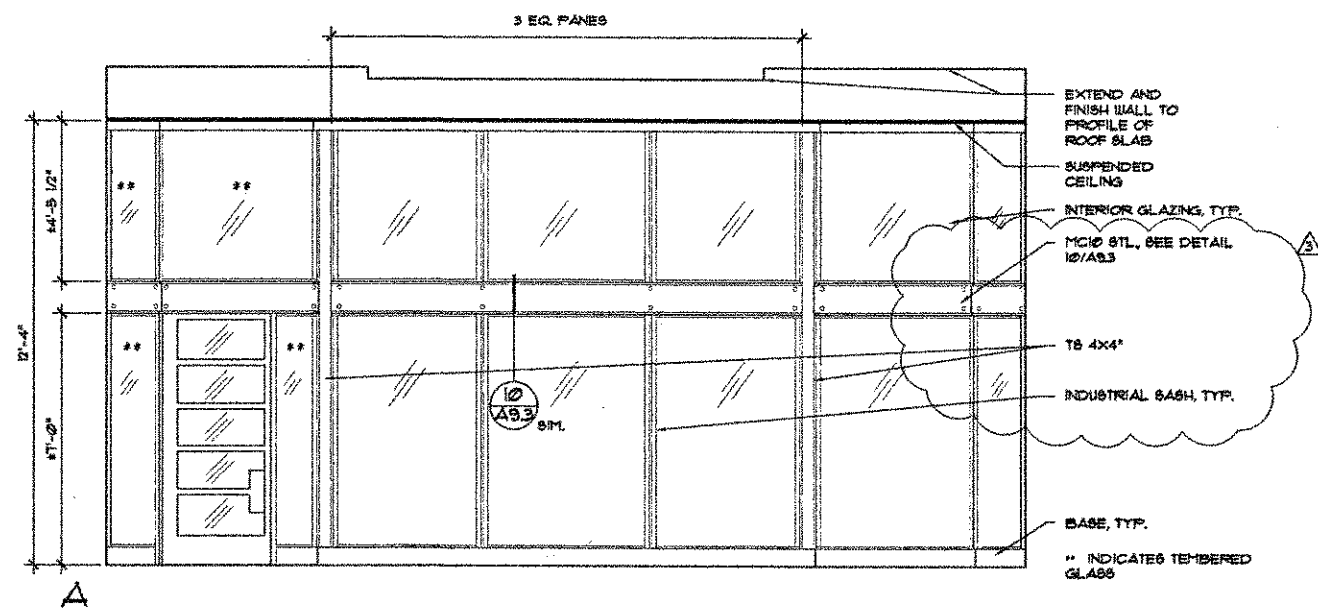
5 INT. ELEVATION ROOM 101
A6.2 SCALE: 3/8" = 1'-0"



2 INT. ELEV. ROOM 208
A6.2 SCALE: 3/8" = 1'-0"

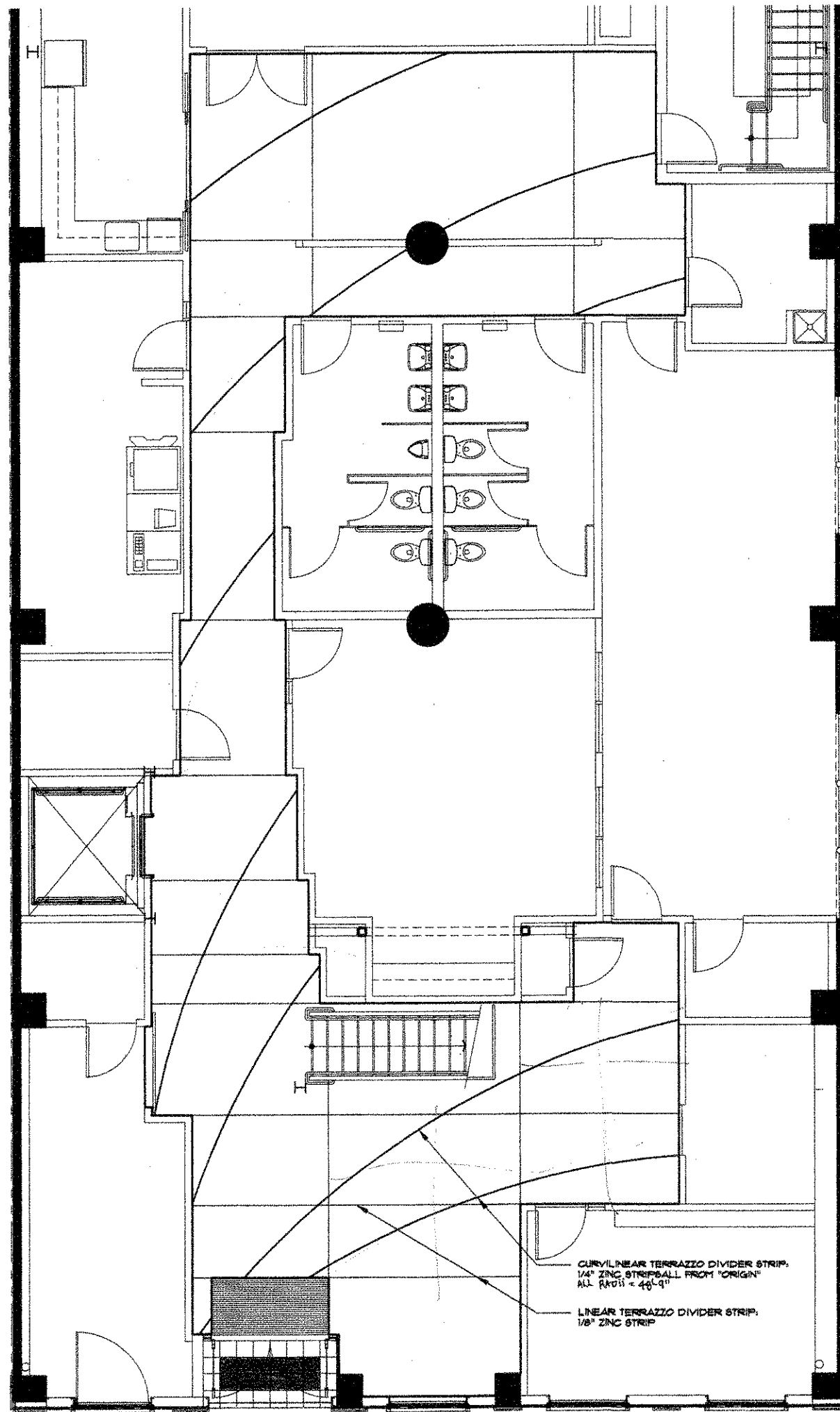


10 INT. ELEV. ROOM 106
A6.2 SCALE: 3/8" = 1'-0"

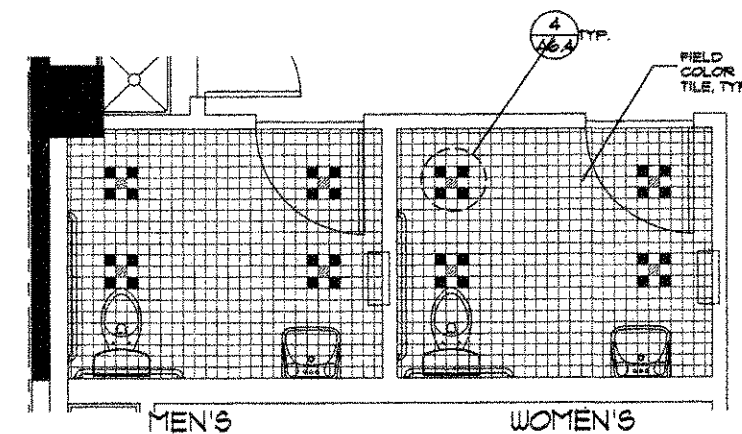


4 INT. ELEVATION ROOM 202
A6.2 SCALE: 3/8" = 1'-0"

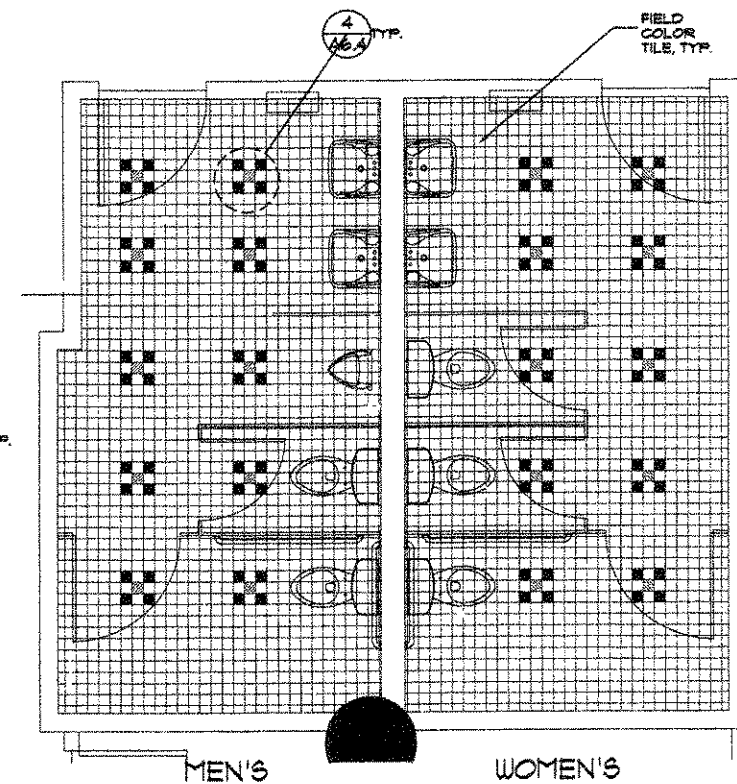




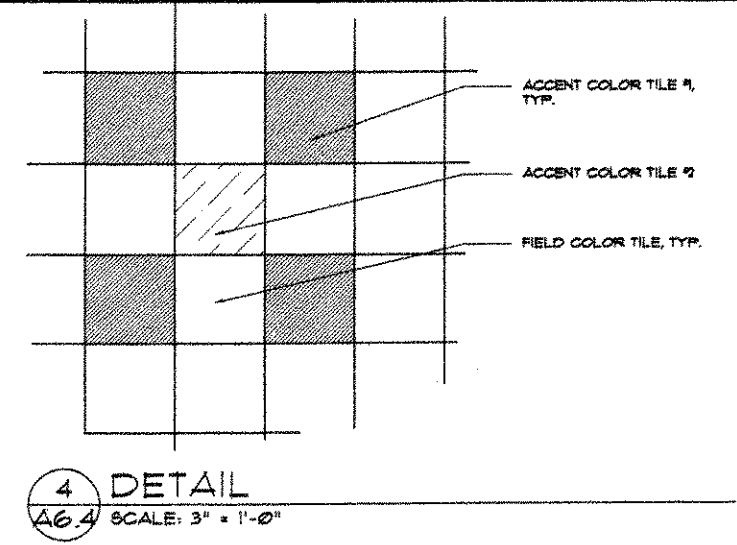
12 TERRAZZO FLOOR PATTERN
A6.4 SCALE: 1/4" = 1'-0"

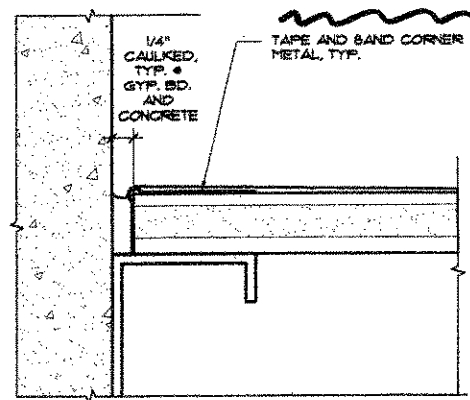


4 2ND FLOOR RESTROOM PLANS
A6.4 SCALE: 3/8" = 1'-0"

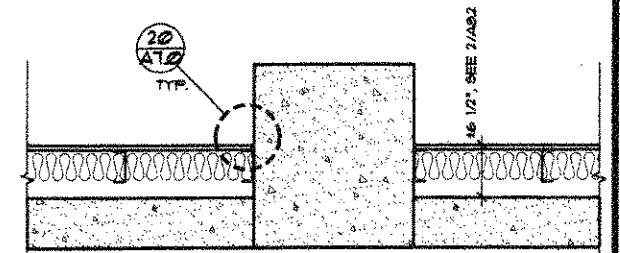


1 FIRST FLOOR RESTROOM PLANS
A6.4 SCALE: 3/8" = 1'-0"





20 JOINT DETAIL
A7.0 SCALE: 1" = 1'-0"

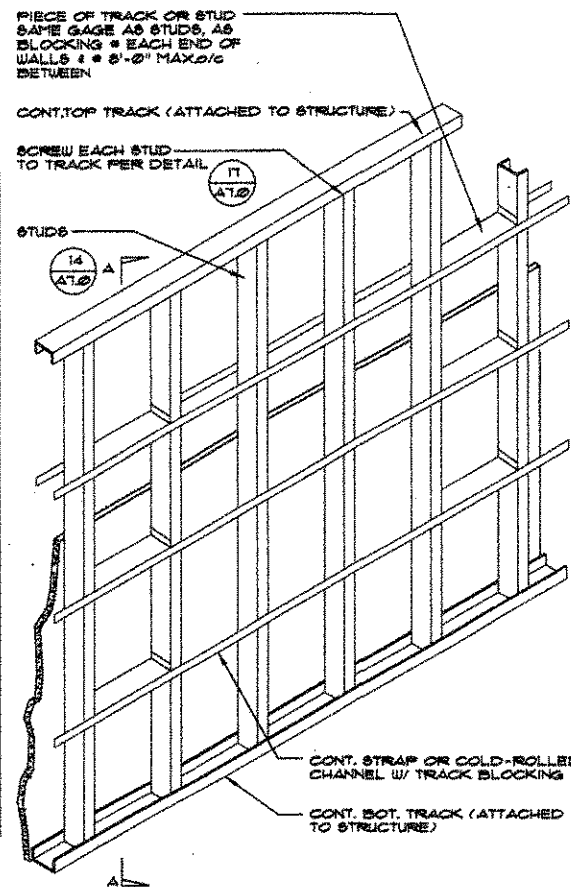


4 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

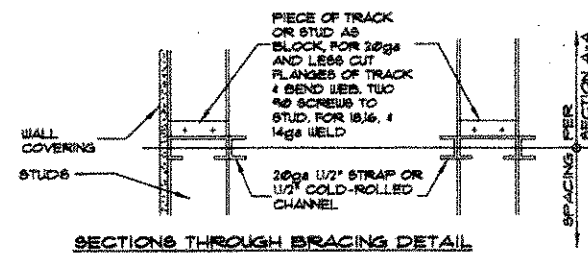
SIZE	FLANGE WIDTH (IN.)	STIFFENER LIP (IN.)	Sx (IN. ²)	Ix (IN. ⁴)
2 1/2"x24ga.	13/8"	1/4"	.295	.130
3 3/8"x24ga.	13/8"	1/4"	.156	.311
6"x24ga.	13/8"	1/4"	.330	1.095
2 1/2"x20ga.	13/8"	3/8"	.156	.306
3 3/8"x20ga.	13/8"	3/8"	.263	.494
6"x20ga.	13/8"	3/8"	.540	1.652
3 3/8"x18ga.	13/8"	9/16"	.395	.738
6"x18ga.	13/8"	9/16"	.818	2.462

ALLOWABLE SPANS FOR STUDS AT INTERIOR WALLS: TL = 5 p.f.

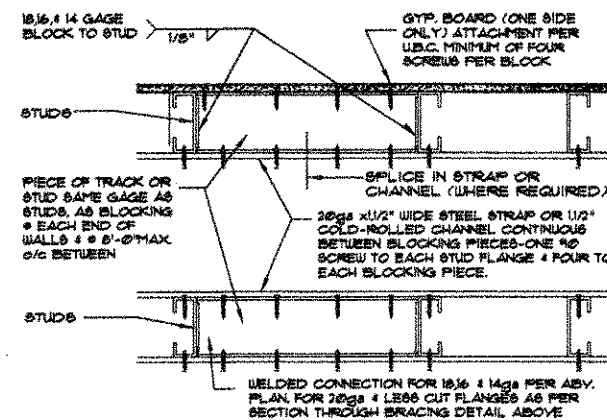
WALL CONDITION	STUD SIZES AND SPACING	WEB STIFFENER	WALL LOCATION AND MAX. SPAN
NON BEARING WALLS WITH NO BACKING REQUIRED	2 1/2"x24ga.#24"o/c	NONE	12'-8" CLEAR MAXIMUM
	3 3/8"x24ga.#24"o/c	NONE	
	6"x24ga.#24"o/c	9/A7.0	
	3 3/8"x20ga.#16"o/c	NONE	16'-0" CLEAR MAXIMUM
NON-BEARING WALLS WITH BACKING AT SHELVING, GRAB BARS, HANDRAILS, CABINETS, CASEWORK, ETC.	3 3/8"x20ga.#16"o/c	NONE	12'-8" CLEAR MAXIMUM
	6"x20ga.#24"o/c	9/A7.0	
	3 3/8"x18ga.#16"o/c	NONE	16'-0" CLEAR MAXIMUM
	6"x20ga.#16"o/c	9/A7.0	



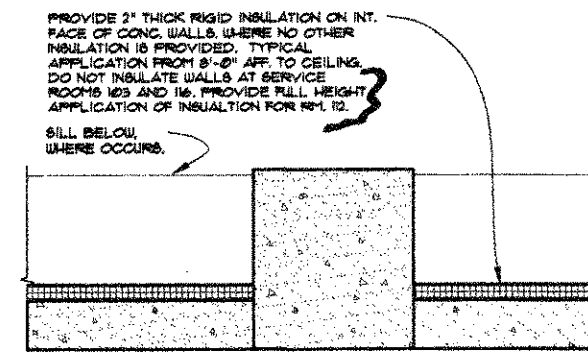
14 BLOCKING AT WALLS
A7.0 SCALE: NT8



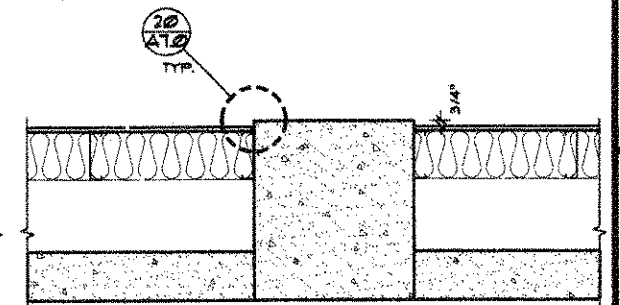
11 BLOCKING AT WALLS
A7.0 SCALE: NT8



10 BLOCKING AT WALLS
A7.0 SCALE: NT8

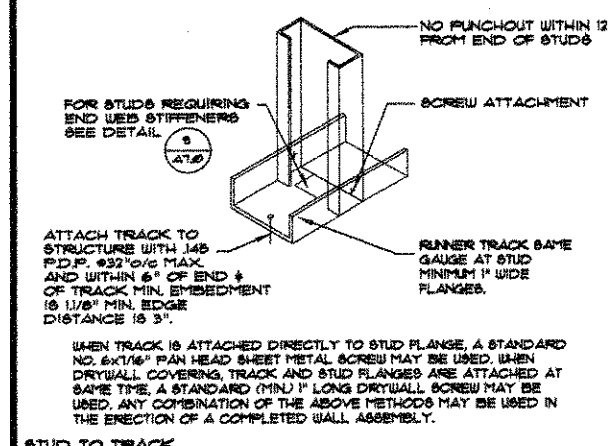


7 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

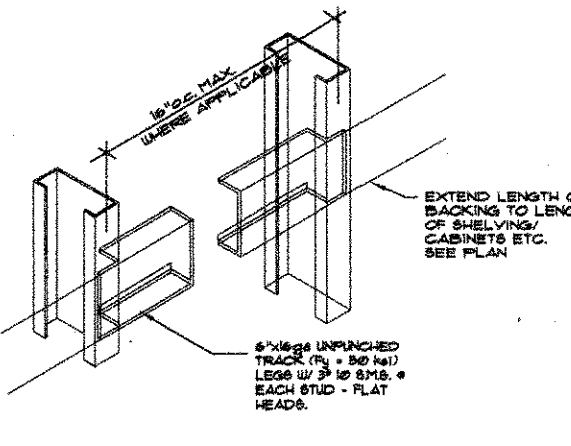


3 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

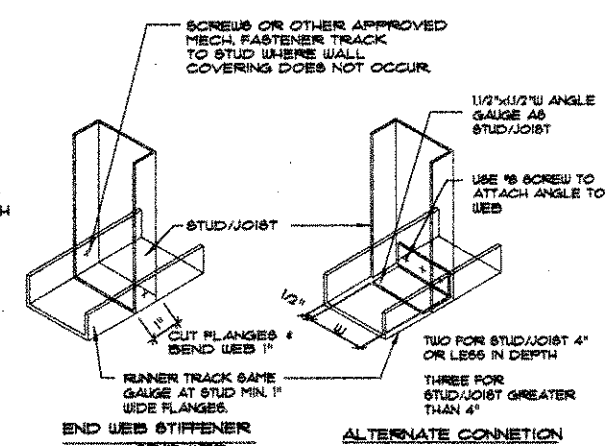
18 MTL. STUD TABLE
A7.0 SCALE: NT8



17 CONNECTION DETAIL
A7.0 SCALE: NT8

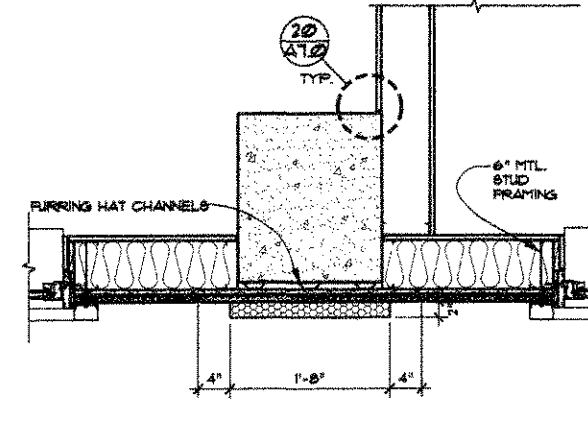


13 TYP. BACKING DETAIL
A7.0 SCALE: NT8



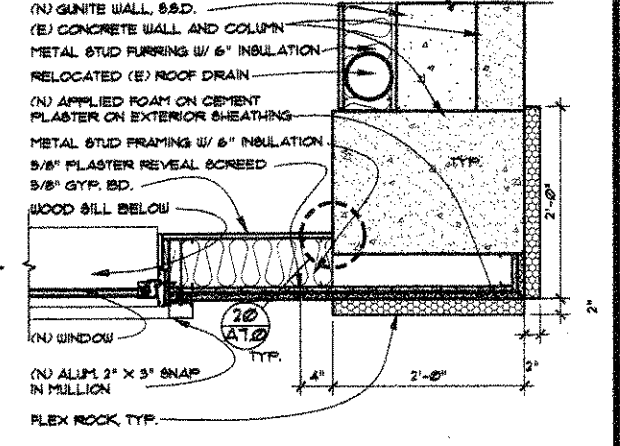
9 STIFFENER DETAIL
A7.0 SCALE: NT8

6 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

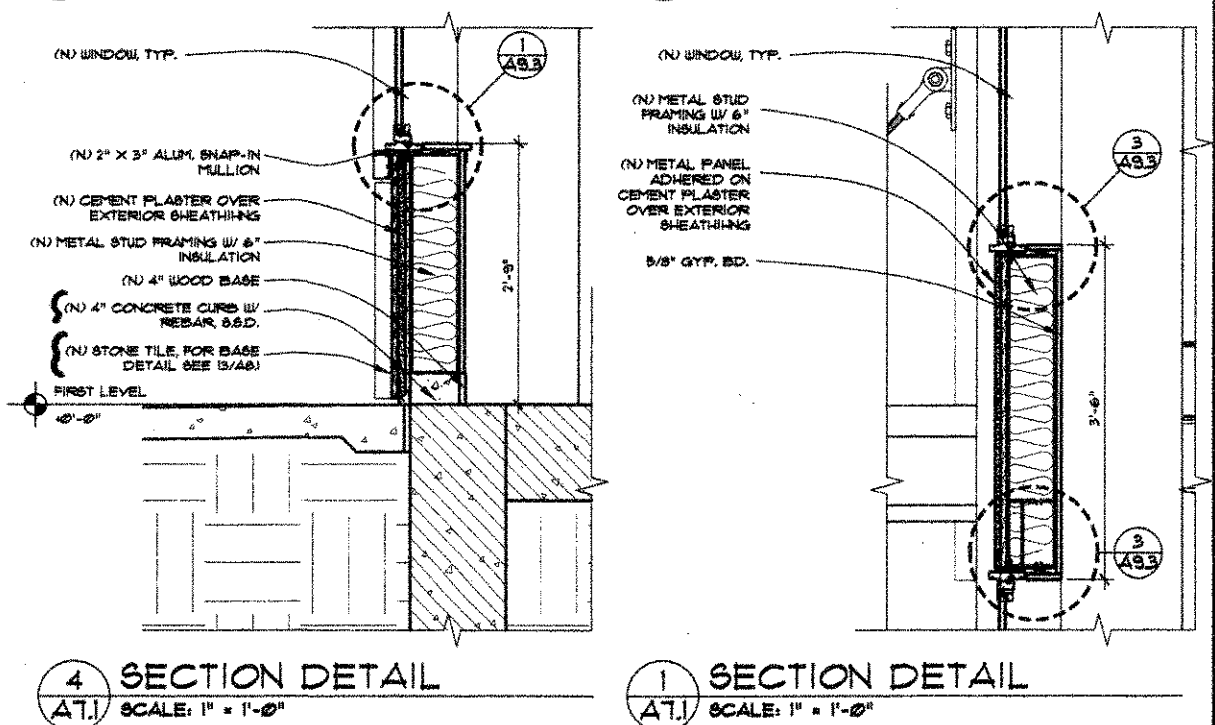
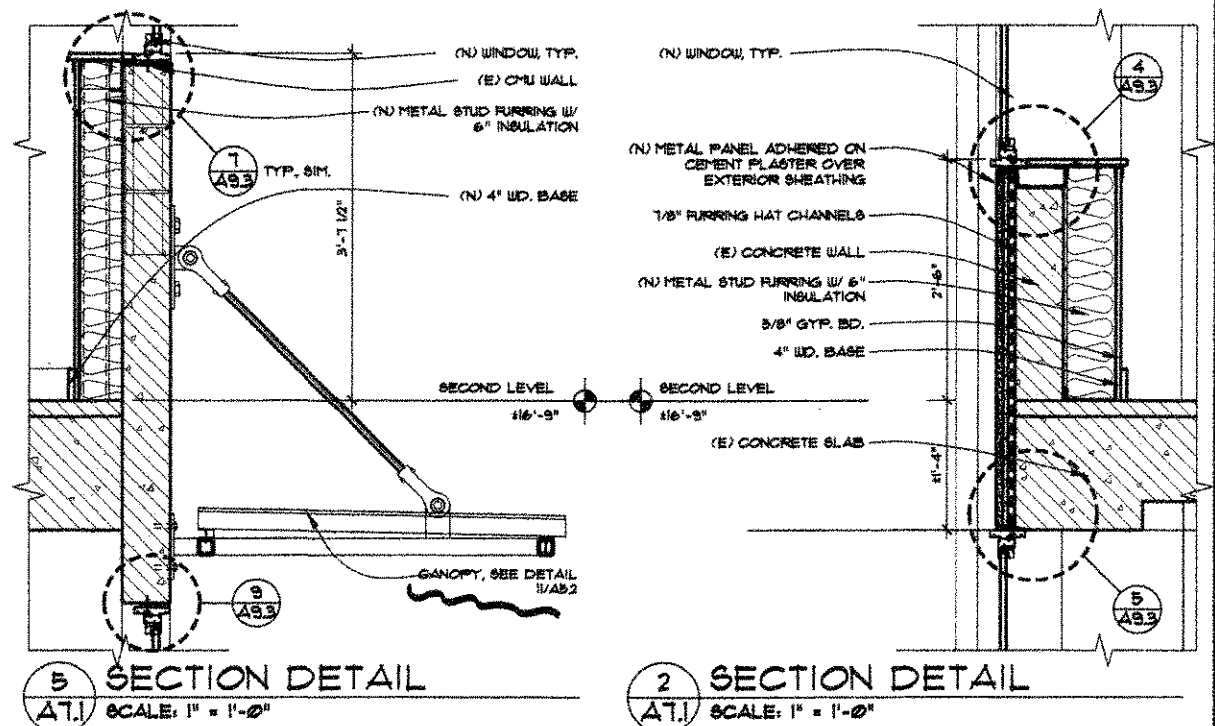
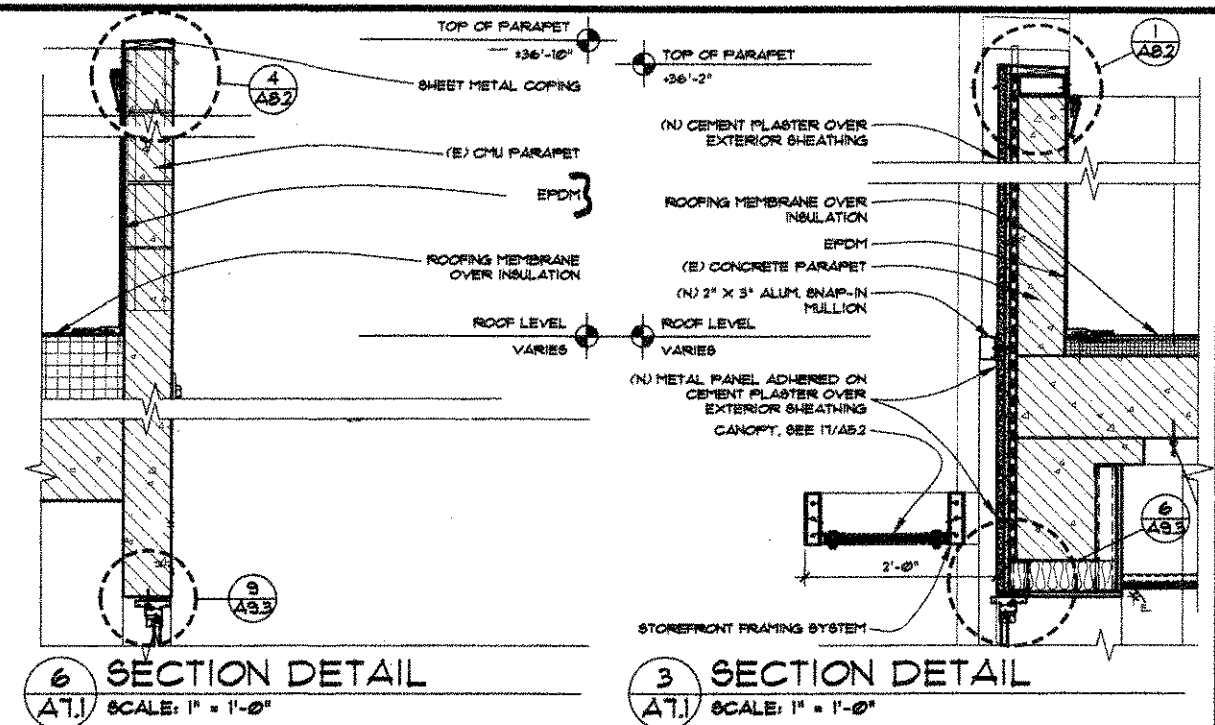


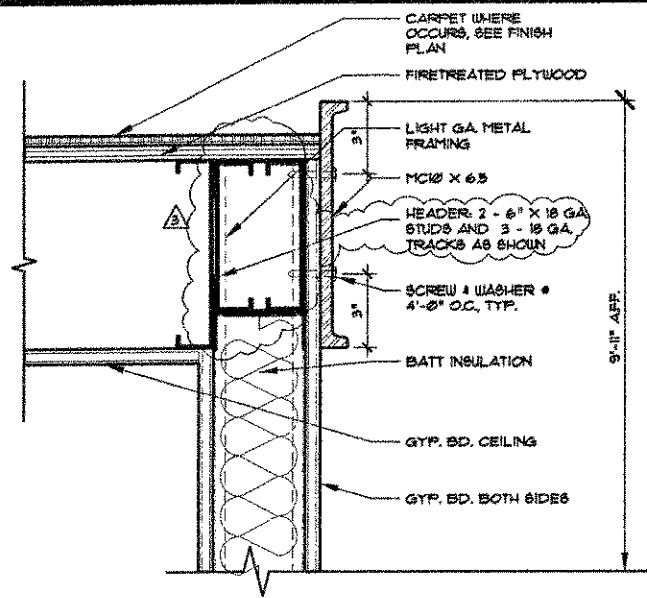
5 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

2 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0" SEE 1/A7.0 FOR S.M. NOTES

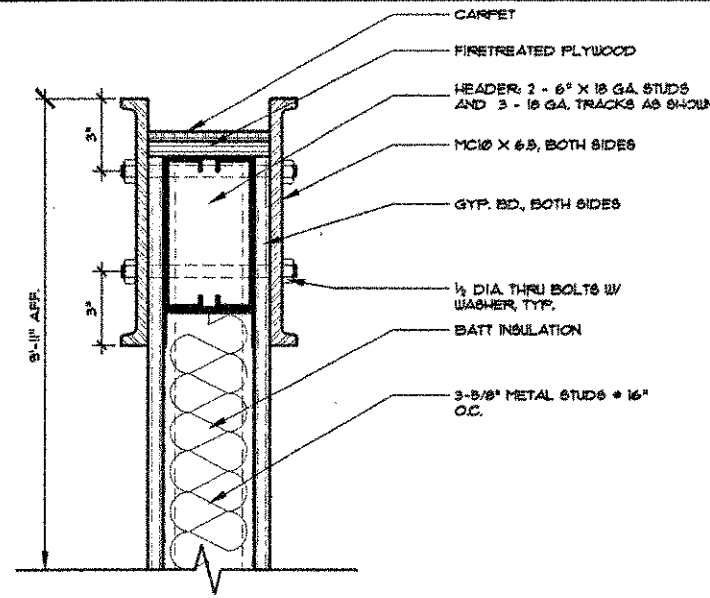


1 TYPICAL PLAN DETAIL
A7.0 SCALE: 1" = 1'-0"

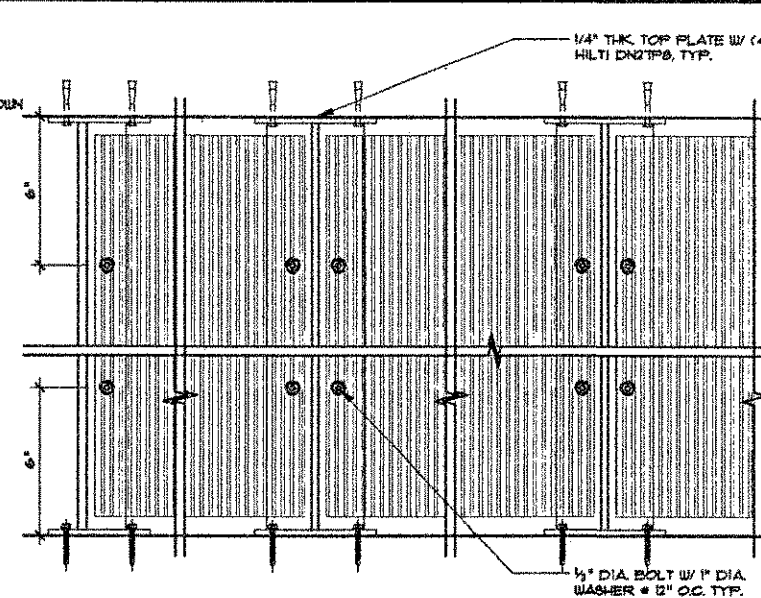




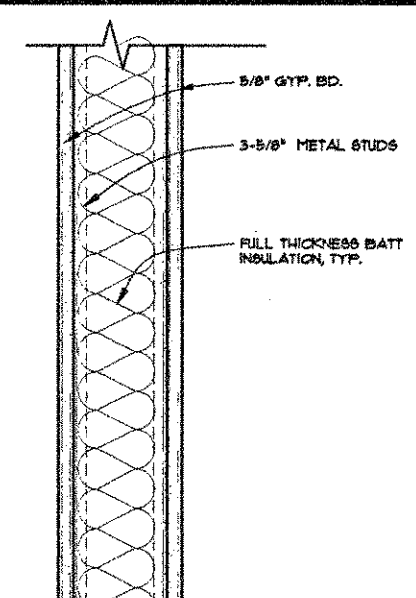
12 PARTITION TRIM DETAIL
A8.0 SCALE: 3" = 1'-0"



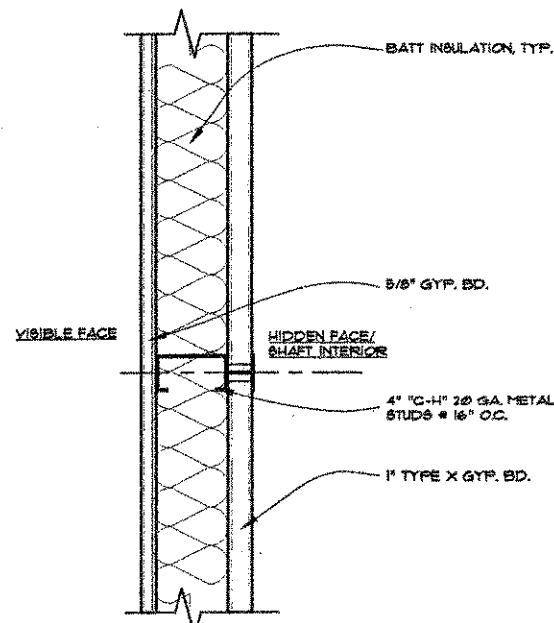
9 PARTITION TRIM DETAIL
A8.0 SCALE: 3" = 1'-0"



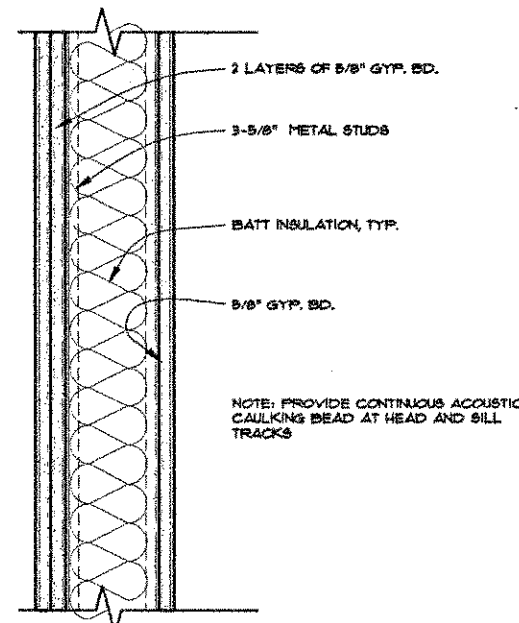
6 PARTITION ELEVATION
A8.0 SCALE: 3" = 1'-0"



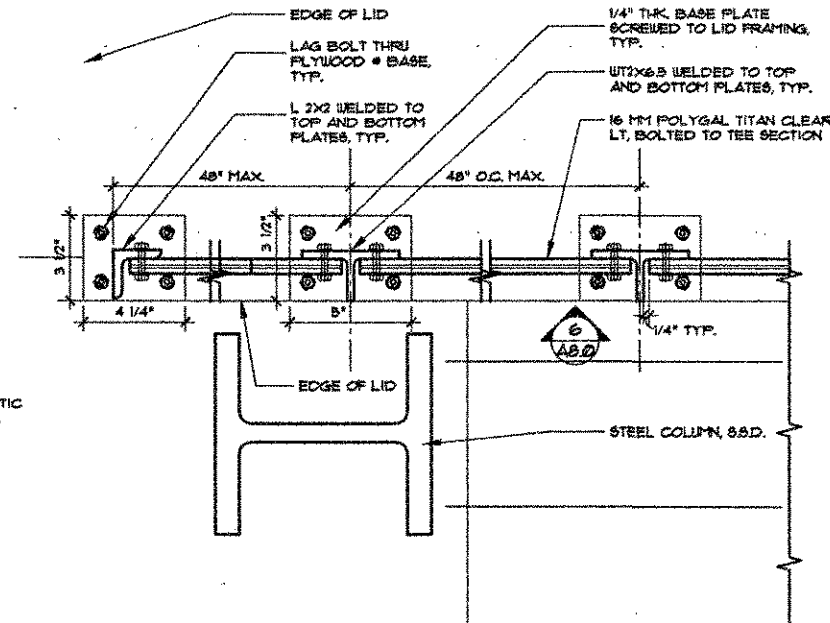
3 METAL STUD WALL
A8.0 SCALE: 3" = 1'-0"



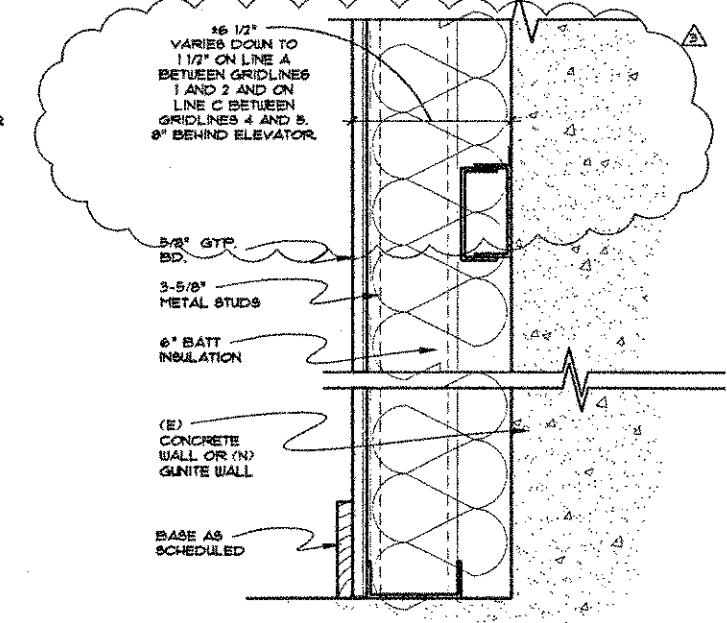
11 SHAFT WALL & 1 HR INFILL WALL
A8.0 SCALE: 3" = 1'-0"



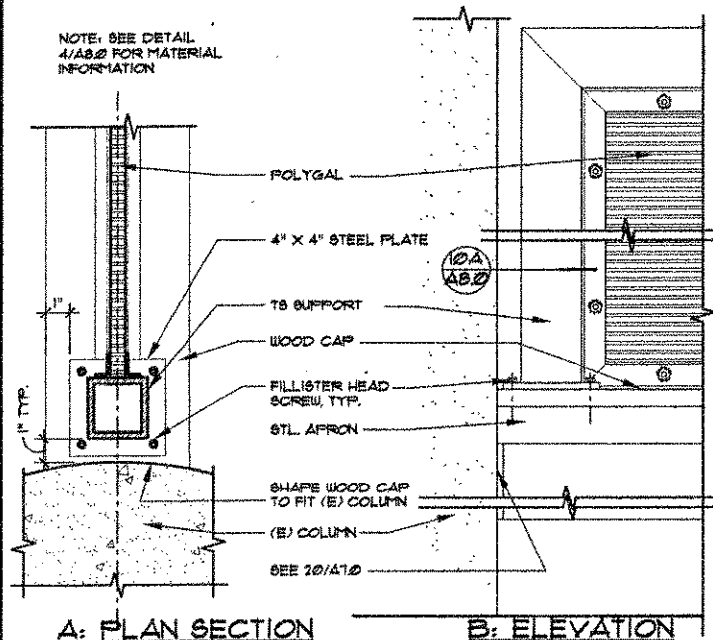
8 ACOUSTIC METAL STUD WALL
A8.0 SCALE: 3" = 1'-0"



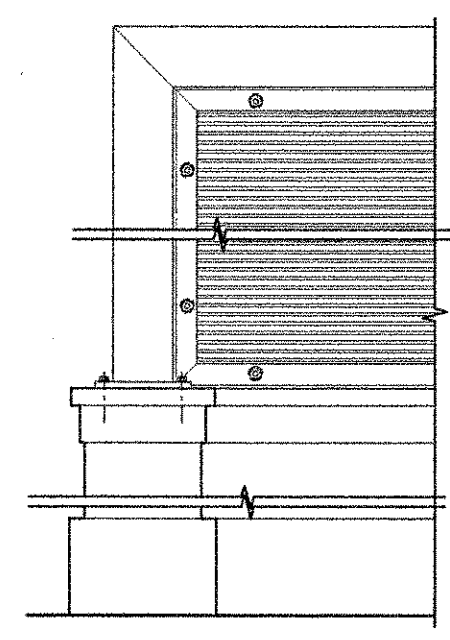
5 PARTITION PLAN
A8.0 SCALE: 3" = 1'-0"



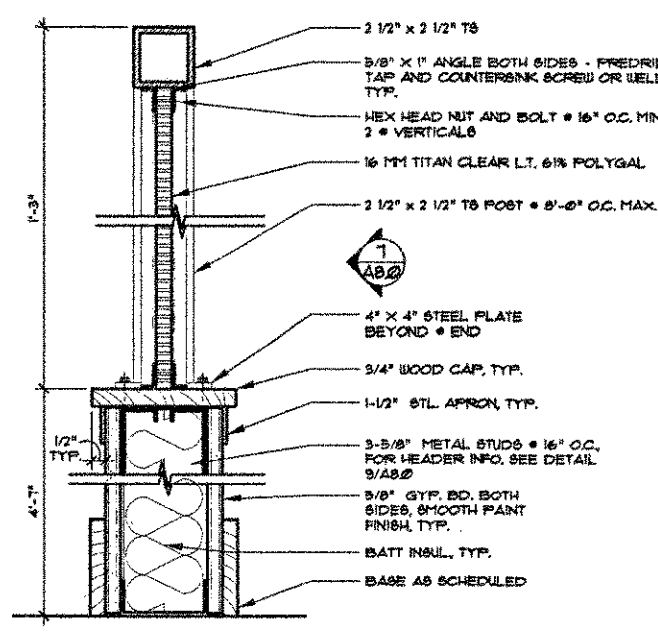
2 WALL FURRING TYPE II
A8.0 SCALE: 3" = 1'-0"



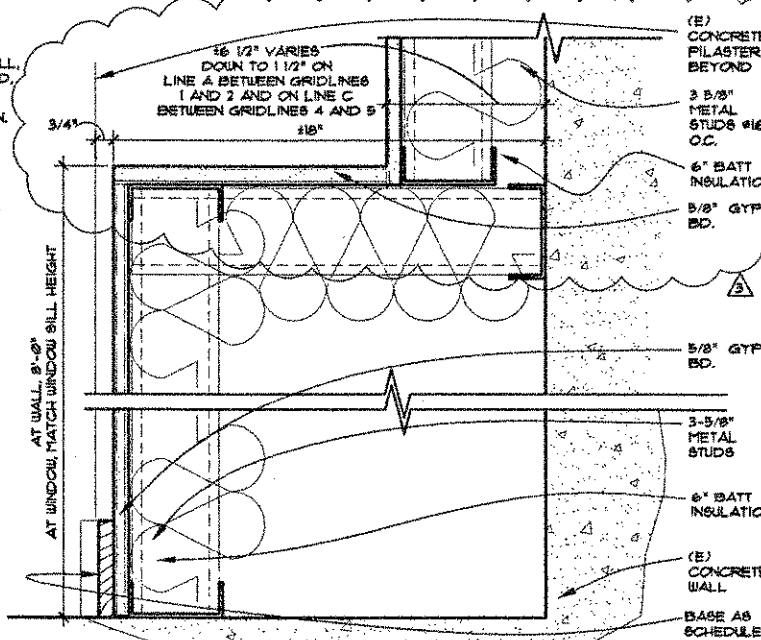
10 PARTITION AT (E) COLUMN
A8.0 SCALE: 3" = 1'-0"



7 PARTITION ELEVATION
A8.0 SCALE: 3" = 1'-0"

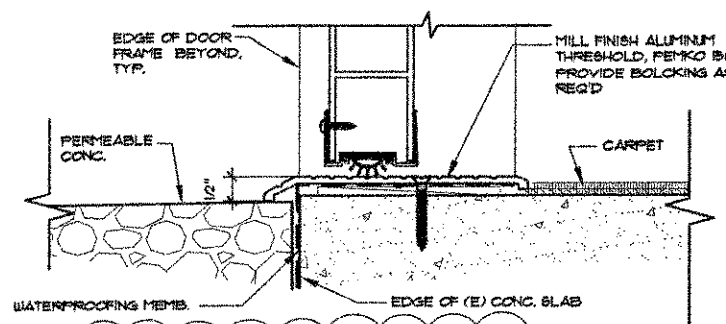


4 PARTITION SECTION
A8.0 SCALE: 3" = 1'-0"

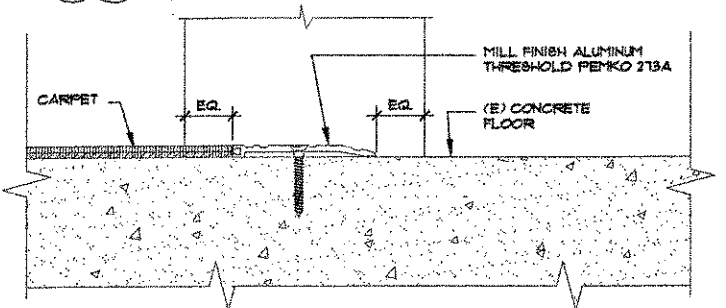


1 WALL FURRING TYPE I
A8.0 SCALE: 3" = 1'-0"

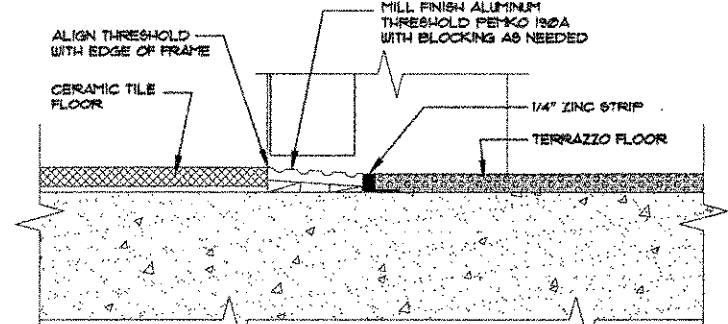




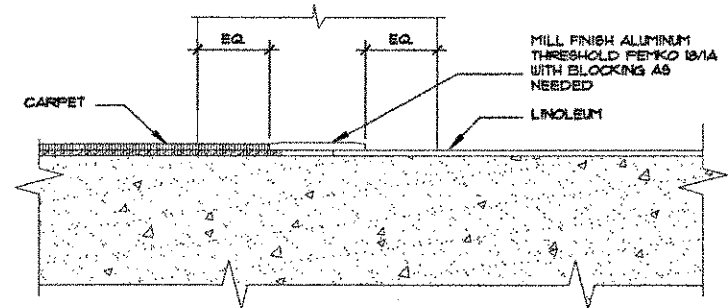
16 PATIO THRSILD.
A8.1 SCALE: 6" = 1'-0"



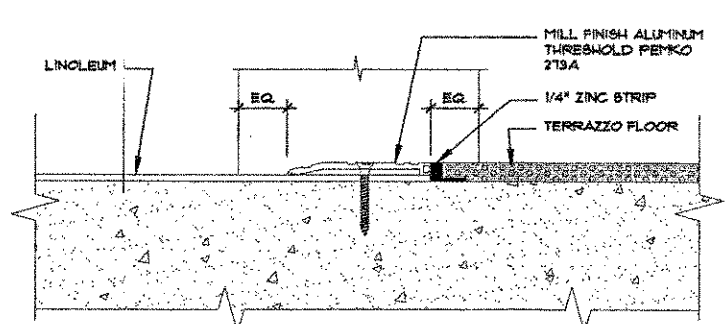
15 TYP. THRSILD CP - CS
A8.1 SCALE: 6" = 1'-0"



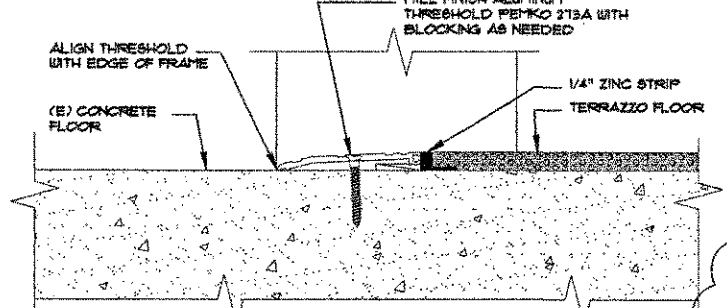
12 TYP. THRSILD TI - TT
A8.1 SCALE: 6" = 1'-0"



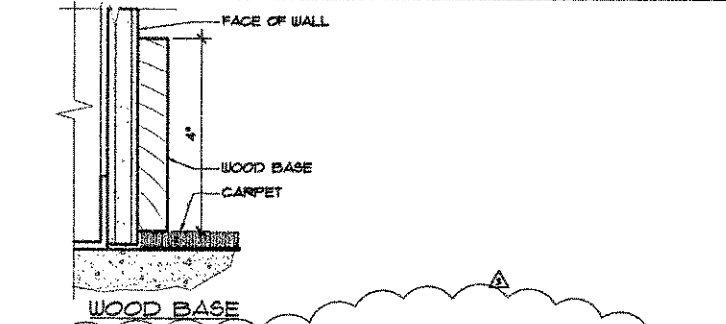
11 TYP. THRSILD CP - L2
A8.1 SCALE: 6" = 1'-0"



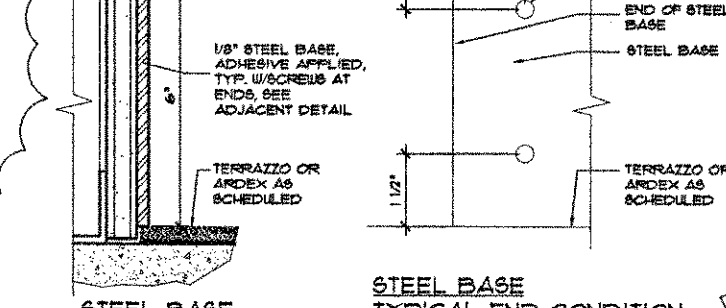
8 TYP. THRSILD L2 - TT
A8.1 SCALE: 6" = 1'-0"



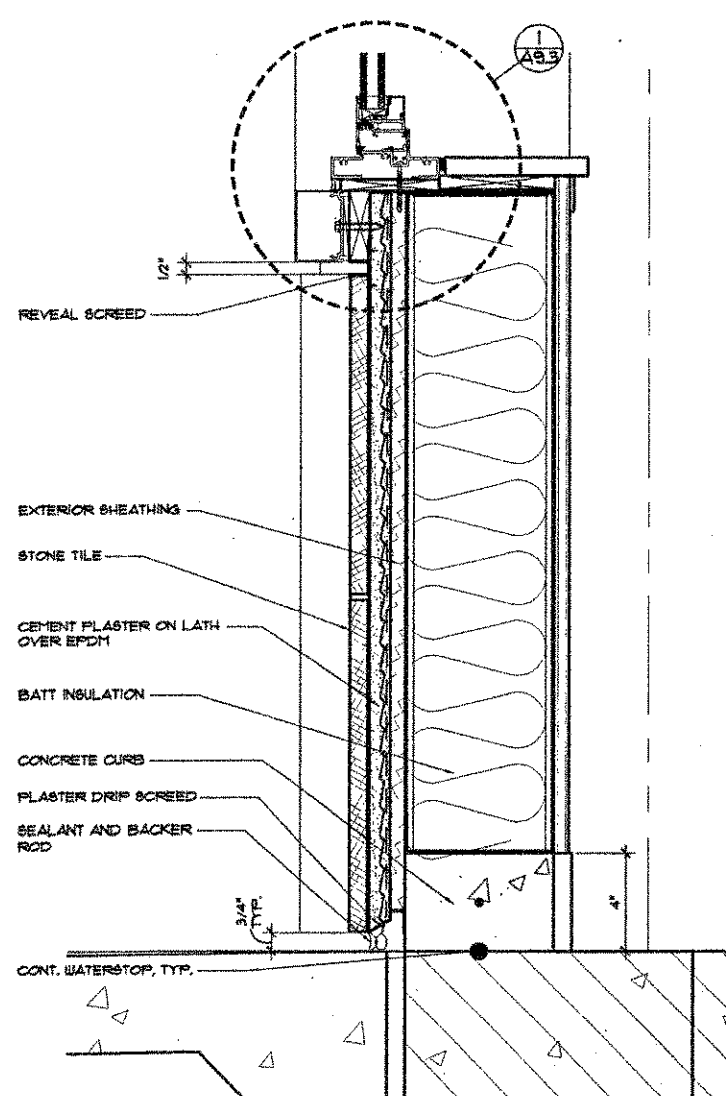
7 TYP. THRSILD CS - TT
A8.1 SCALE: 6" = 1'-0"



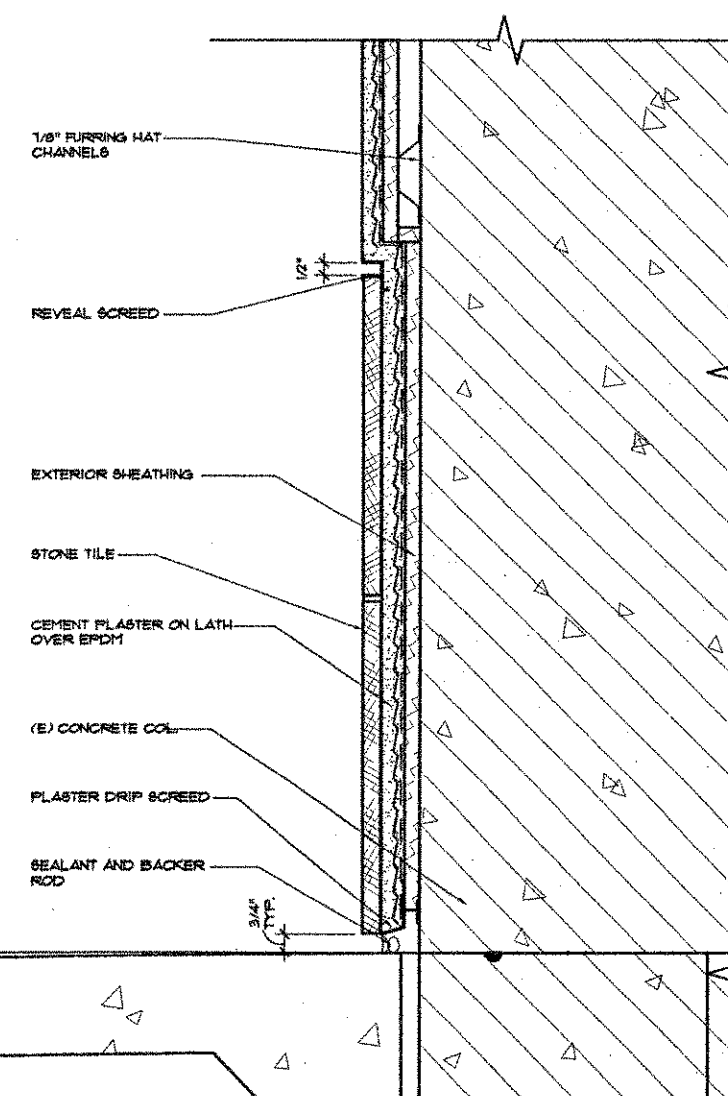
3 TYPICAL BASE DETAILS
A8.1 SCALE: 6" = 1'-0"



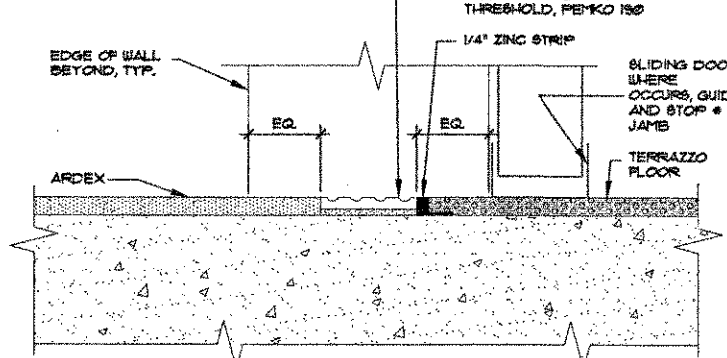
2 TYPICAL COVE BASE DETAIL
A8.1 SCALE: 6" = 1'-0"



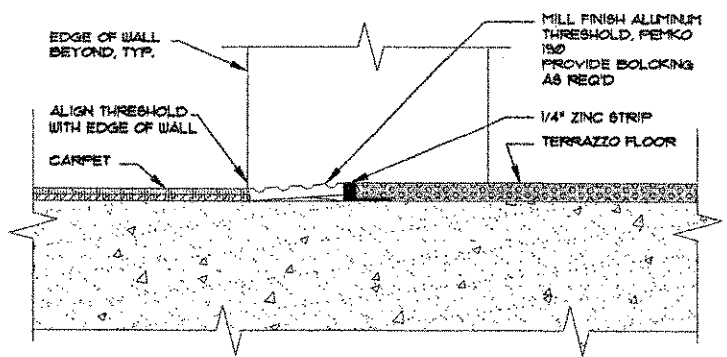
13 BASE DETAIL
A8.1 SCALE: 3" = 1'-0"



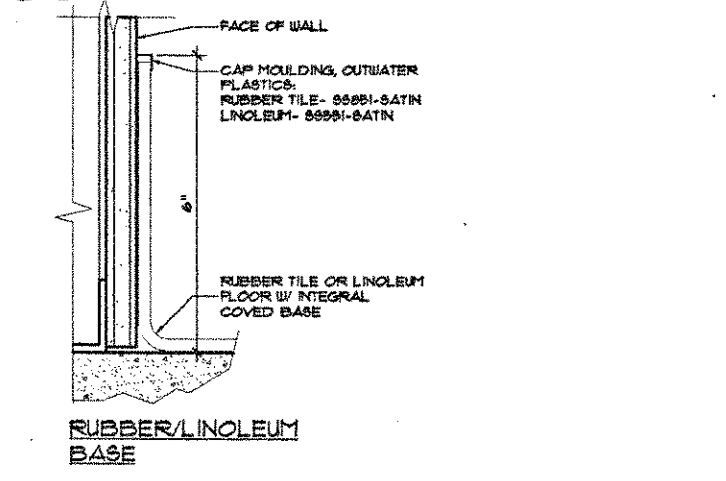
9 BASE DETAIL
A8.1 SCALE: 3" = 1'-0"



6 TYP. THRSILD ARX - TT
A8.1 SCALE: 6" = 1'-0"



5 TYP. THRSILD CP - TT
A8.1 SCALE: 6" = 1'-0"



1 ENTRY THRSILD.
A8.1 SCALE: 6" = 1'-0"

KOMOROUS-TOWEY ARCHITECTS

1537 WEBSTER ST. OAKLAND, CA 94612

315 FOURTEENTH STREET OAKLAND, CA 94612

PH: 510.446.2244 FAX: 510.446.2242

WWW.KTARCH.COM

BUILDING REHABILITATION AND SEISMIC IMPROVEMENTS

DETAILS

ACWMA ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY

777 DAVIS ST. #100 SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

ADDN. 3 03-13-06

NO. C 18948

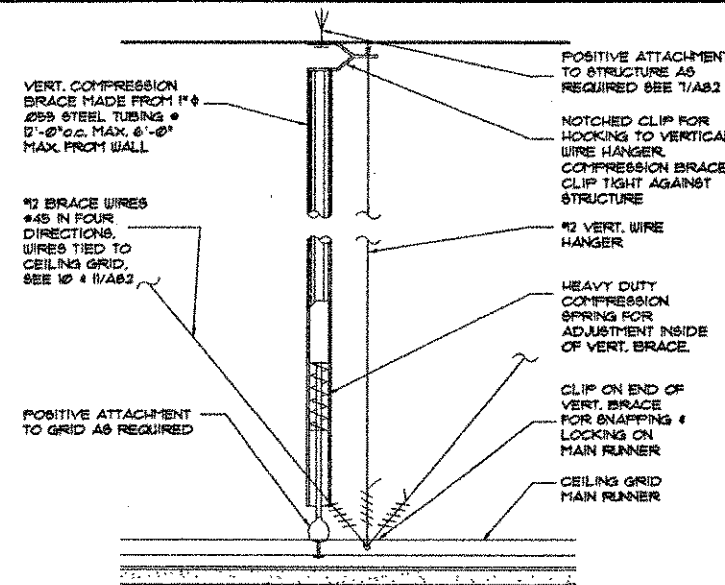
DATE: 02-21-06

DRAWN BY: MC

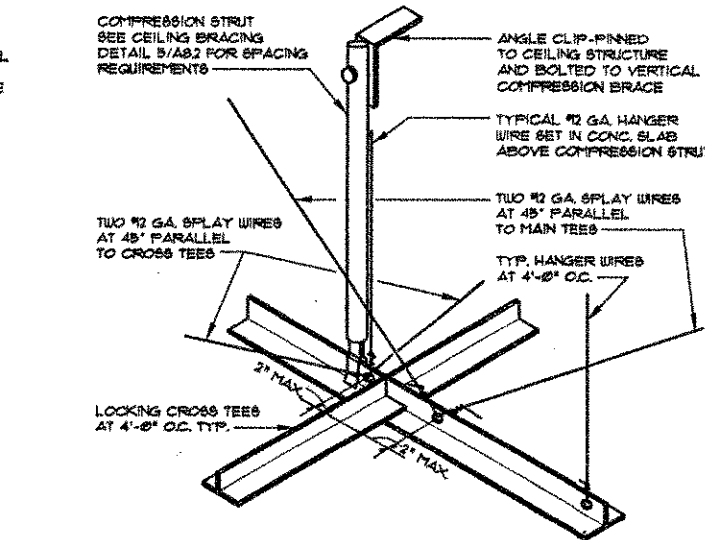
JOB NO.: 2513

© COPYRIGHT 2006

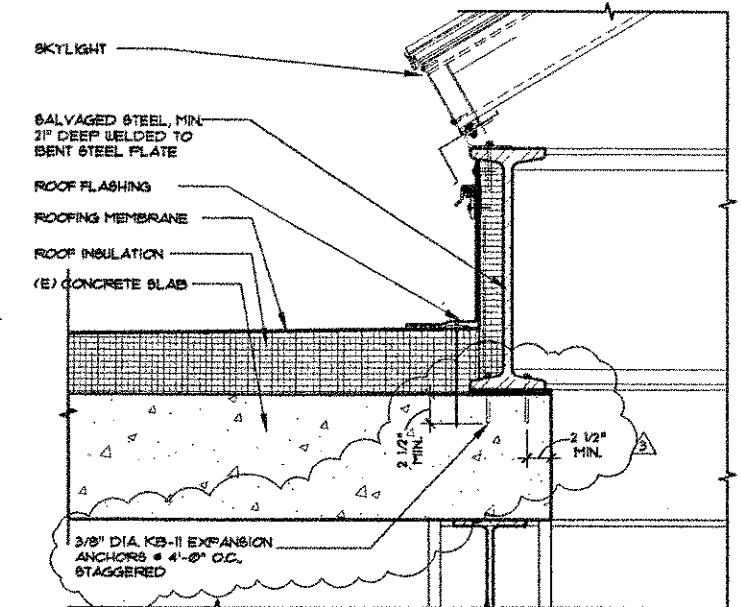
A8.1



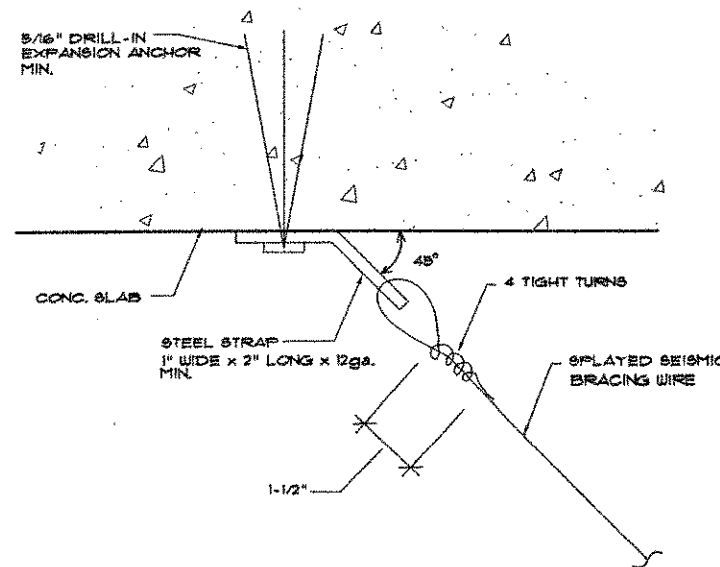
9 SUSPENDED CEILING
A8.2 SCALE: NTS



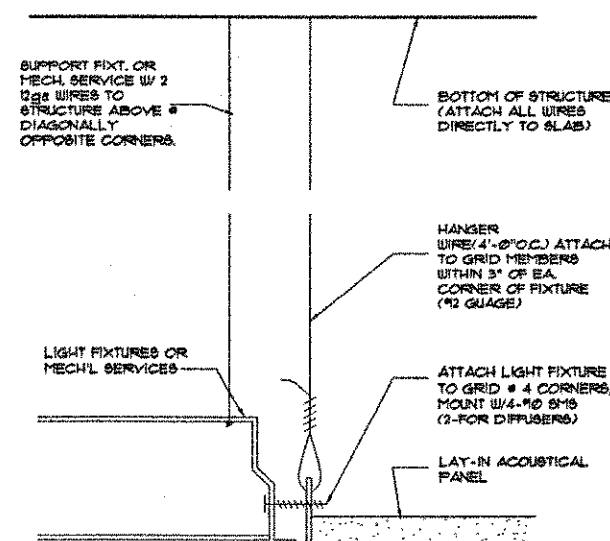
6 WIRE BRACE & STRUT
A8.2 SCALE: NTS



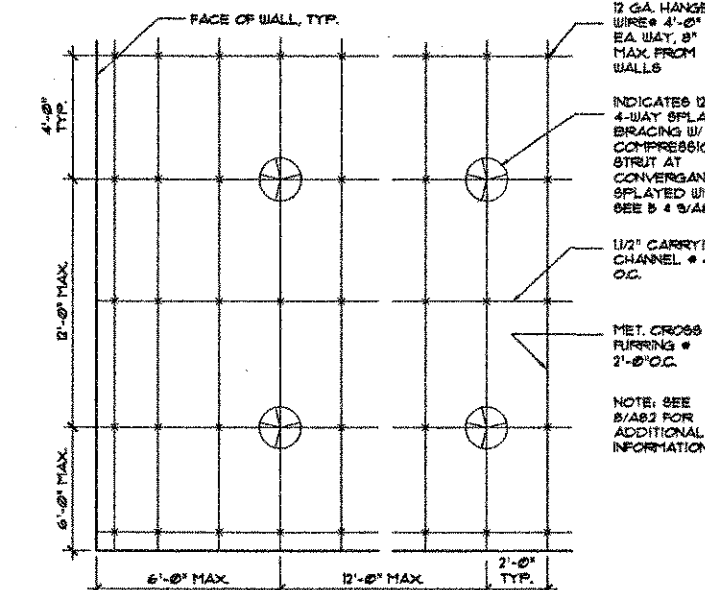
3 SKYLIGHT CURB DETAIL
A8.2 SCALE: 1 1/2" = 1'-0"



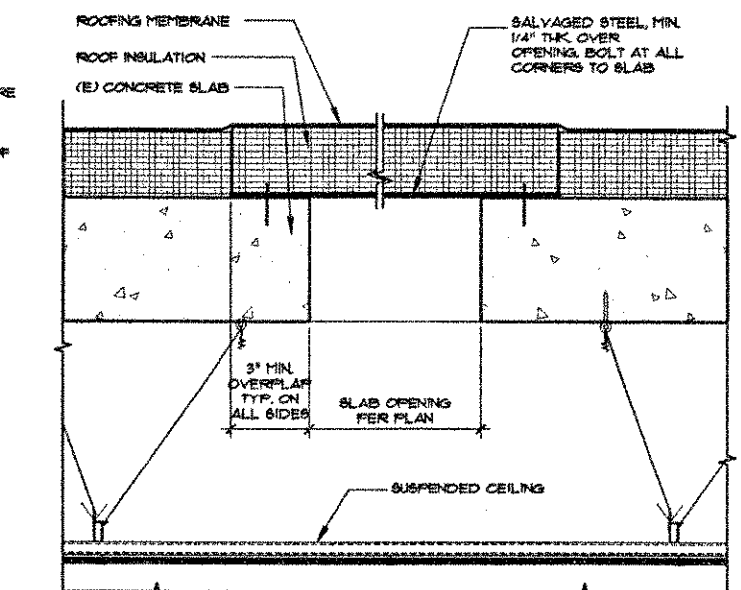
11 SUSPENDED CEILING
A8.2 SCALE: NTS



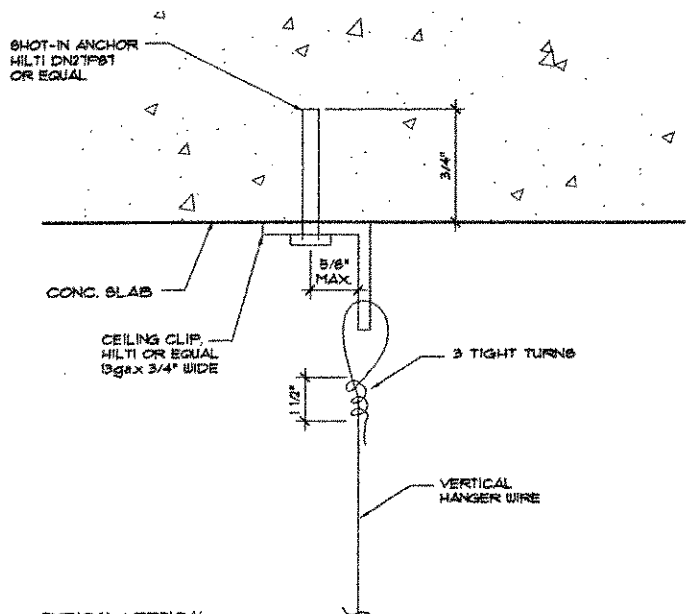
8 SUSPENDED CEILING
A8.2 SCALE: NTS



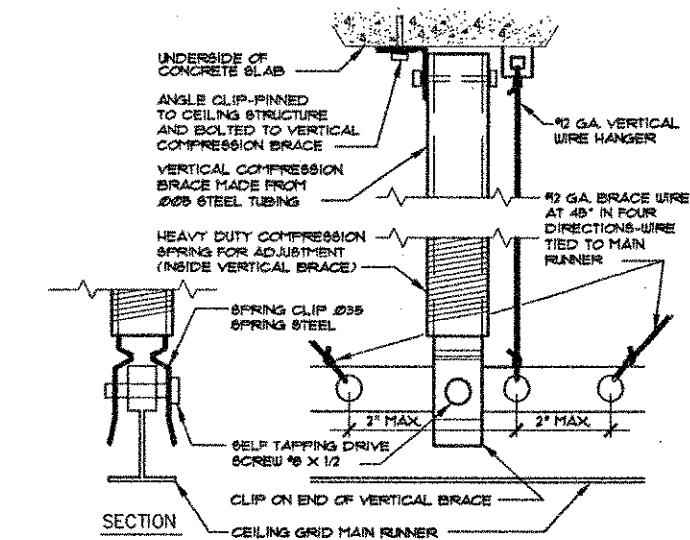
5 SUSPENDED CEILING
A8.2 SCALE: NTS



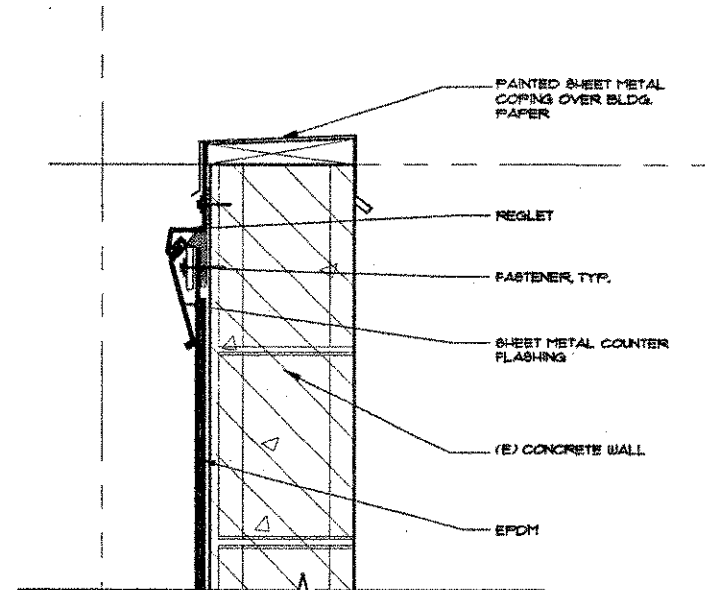
2 SLAB OPENING COVER
A8.2 SCALE: 1 1/2" = 1'-0"



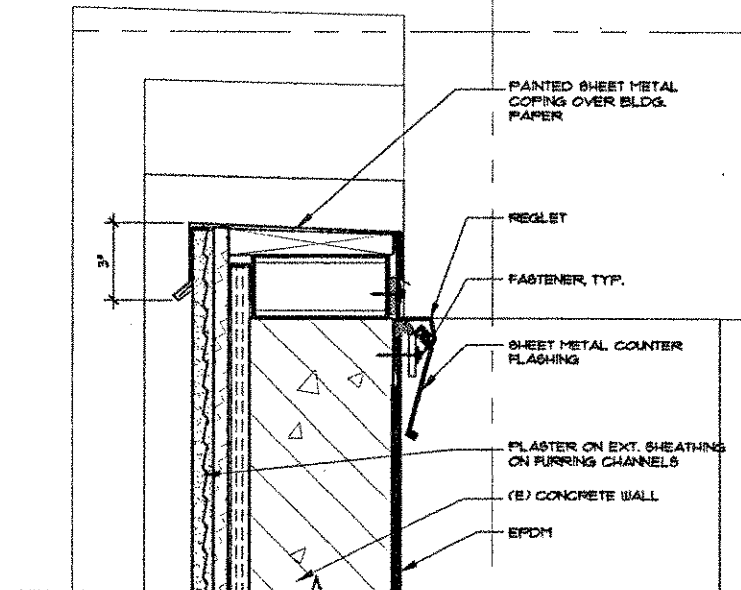
10 SUSPENDED CEILING
A8.2 SCALE: NTS



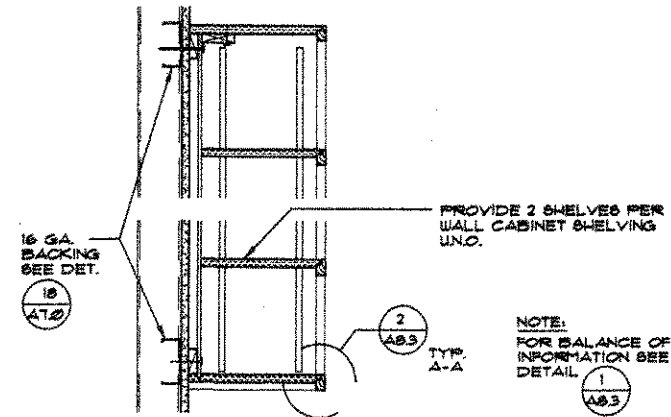
7 COMPRESSION STRUT DETAILS
A8.2 SCALE: NTS



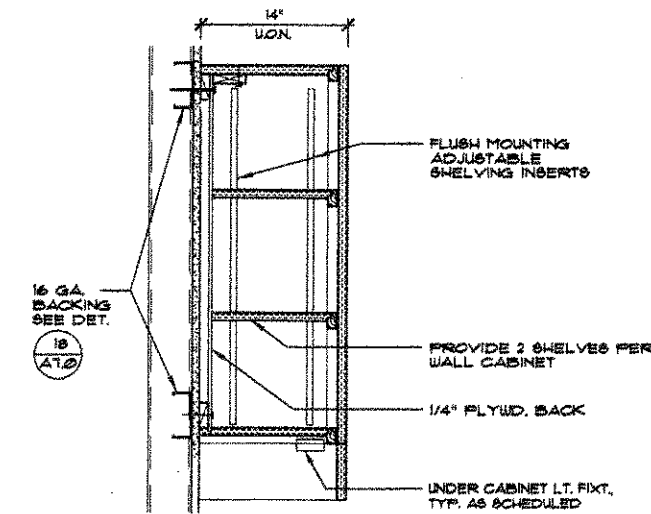
4 COPING DETAIL
A8.2 SCALE: 3" = 1'-0"



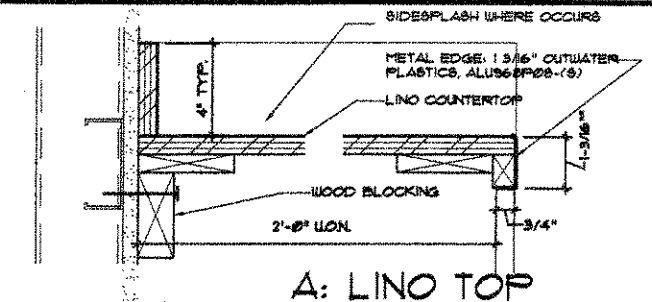
1 COPING DETAIL
A8.2 SCALE: 3" = 1'-0"



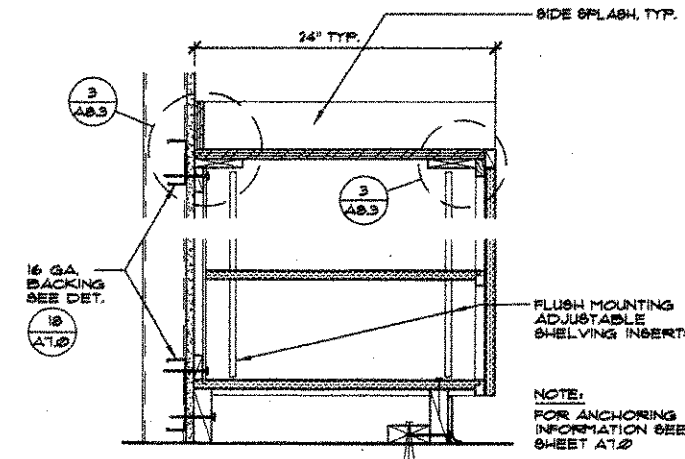
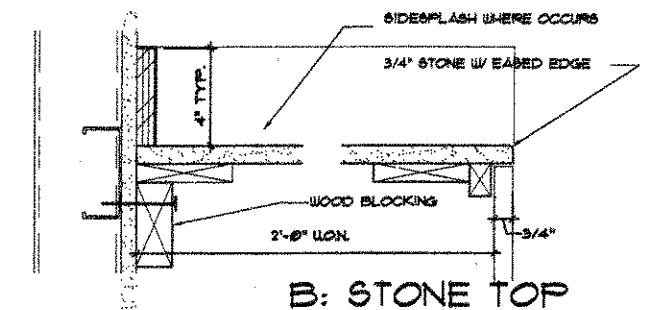
9 WALL SHELVING
A8.3 SCALE: NTS



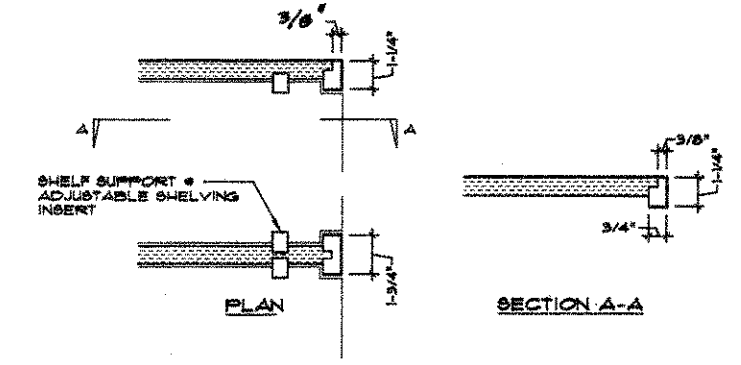
6 WALL CABINET
A8.3 SCALE: NTS



3 COUNTERTOP DETAILS
A8.3 SCALE: NTS

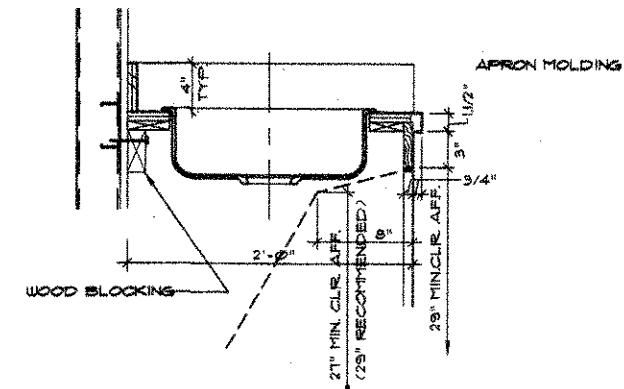


5 LOWER CABINET
A8.3 SCALE: NTS

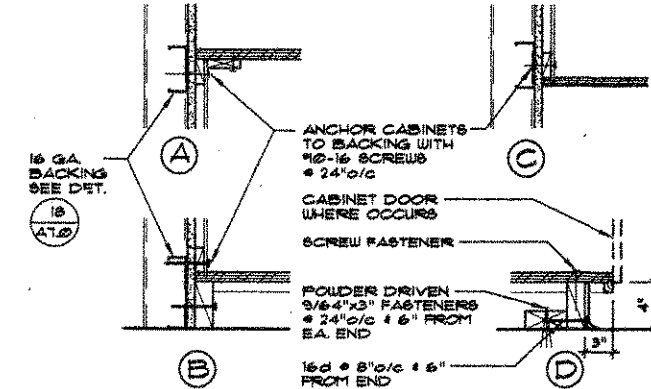


GENERAL NOTES:
1. ALL CASEWORK DOORS, SHELVES, PANELS ETC. AND OTHER VISIBLE SURFACE TO BE 3/4\"/>

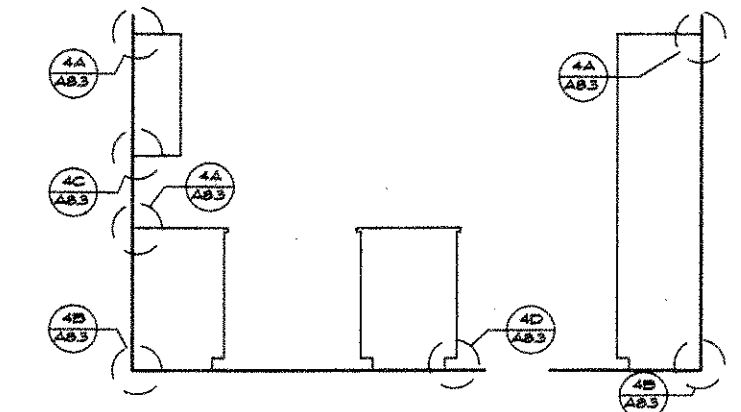
2 EDGE TRIM DETAILS
A8.3 SCALE: NTS



7 LOWER CABINET @ SINK
A8.3 SCALE: NTS



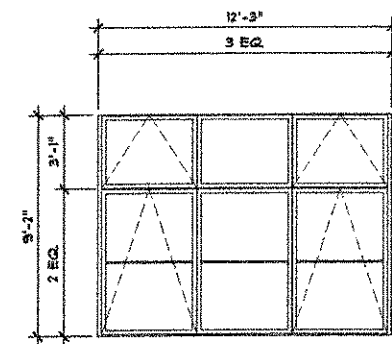
4 CABINET ANCHORAGE
A8.3 SCALE: NTS



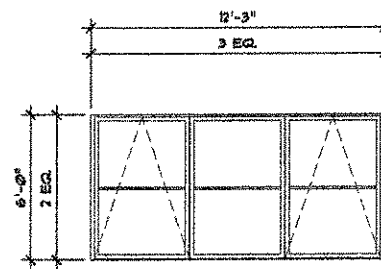
1 CABINET ANCHORAGE KEY
A8.3 SCALE: NTS



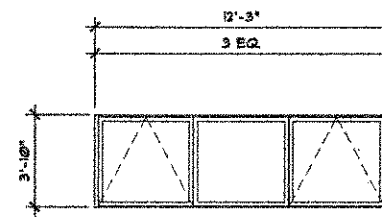
WINDOW TYPES:



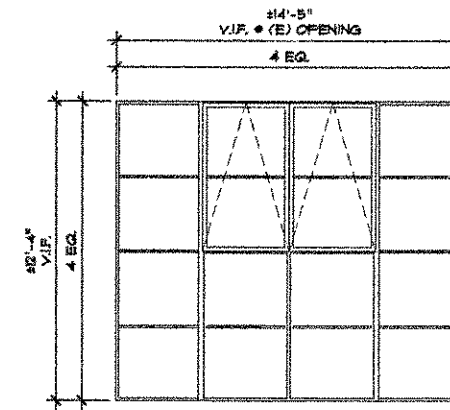
TYPE A



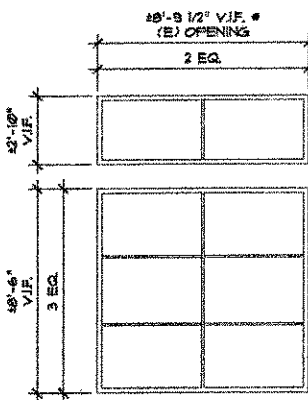
TYPE B



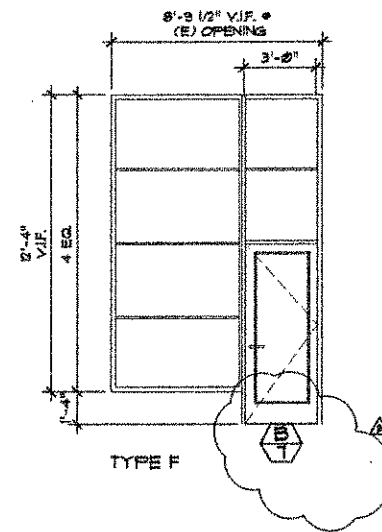
TYPE C



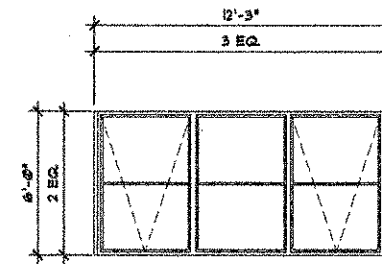
TYPE D



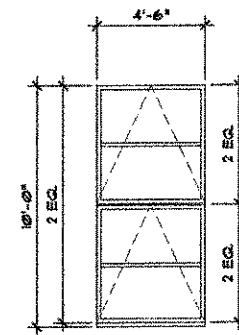
TYPE E



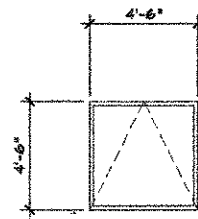
TYPE F



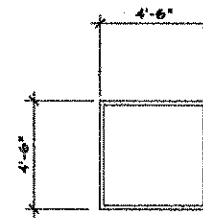
TYPE G



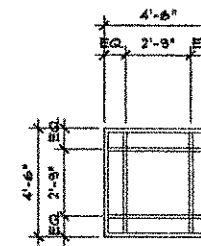
TYPE J



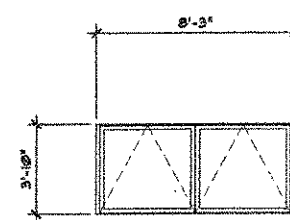
TYPE K



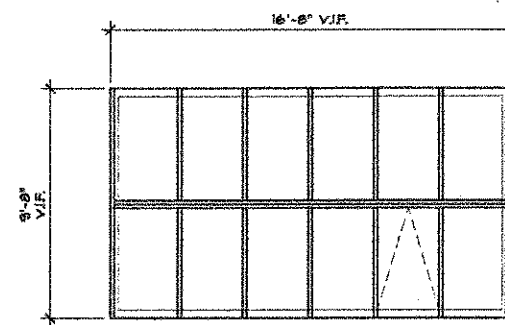
TYPE L



TYPE M
NOTE: GLAZING FOR THIS WINDOW ONLY IS TO BE SINGLE-GLAZED CLEAR TEMPERED GLASS



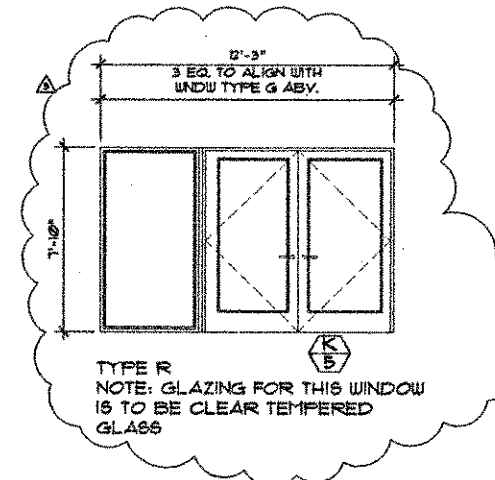
TYPE N



TYPE P1 - OPERABLE PANELS



TYPE Q



TYPE R
NOTE: GLAZING FOR THIS WINDOW IS TO BE CLEAR TEMPERED GLASS

WINDOW SCHEDULE:

TYPE	MODEL NUMBER	ROOM NAME	SILL HEIGHT AFF.	FRAME TYPE	REMARKS
A	8400 FP	OFFICE	3'-6"	AL	
B	8400 FP	OFFICE/ STAIRS	8'-8"	AL	
C	8400 FP	OFFICE	4'-6"	AL	
D	8400 FP	OFFICE	11'-4"	AL	V.I.F. (E) OPENING
E	8400 FP	OFFICE	11'-4"	AL	V.I.F. (E) OPENING
F	8400 FP	OFFICE	11'-4"	AL	V.I.F. (E) OPENING
G	8400 FP	BOARD ROOM	8'-8"	AL	
J	8400 FP	OFFICE/ CONF. ROOM	2'-6"	AL	
K	8400 FP	RECEPTION	10'-8"	AL	SILL HEIGHT FROM FIRST LEVEL
L	8400 FP	RECEPTION/ LIBRARY	2'-6"	AL	
M	8400 FP	BICYCLE ROOM	2'-6"	AL	
N	8400 FP	OFFICE	4'-6"	AL	
P1	CUSTOM	OFFICE	NA	AL	FIXED SKYLIGHT WITH OPERABLE PANELS
P2	CUSTOM	OFFICE	NA	AL	FIXED SKYLIGHT WITH OPERABLE PANELS
Q	8400 FP	CONFERENCE ROOM	6'-0"	STL	INTERIOR WINDOW
R	8400 FP	BOARD ROOM	10'-0"	AL	COORD. ASSEMBLY W/ DOOR IN SAME WALL OPENING

NOTE:

- ALL 8400 SERIES ALUMINUM WINDOWS ARE PAINTED WITH SPECIAL KYNAR PAINT BY CUSTOM WINDOWS AND GLAZED WITH 1" INSULATED SOLARBAN 60 (2) CLEAR LOW-E GLASS
- GLAZING LESS THAN 18" ABOVE FINISH FLOOR TO BE TEMPERED
- VERIFY IN FIELD ALL MEASUREMENTS
- VERIFY ALL SILL HEIGHTS TO MATCH (E) TYPE
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLING SHADES, SEE SPECIFICATIONS.
- ALL WINDOWS IN ROOM 108 TO ADDITIONALLY RECEIVE BLACKOUT SHADES.
- SKYLIGHT TO RECEIVE HORIZONTAL SHADE, TRACK SYSTEM BY SOLAR SOLUTIONS "TRACKSTAR" SYSTEM.

FOR SCHEDULED DOORS, SEE SHEET A9.1

KOMOROUS-TOWEE
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
kta@ktarch.com www.ktarch.com



1337 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
WINDOW SCHEDULE

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDN. 3 03-13-06

© COPYRIGHT 2006

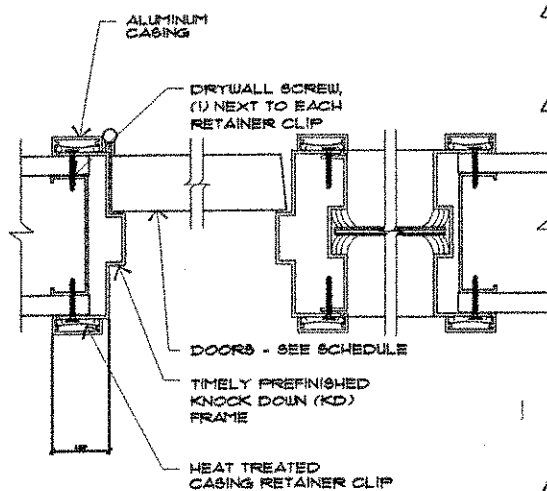


DATE: 02-21-06

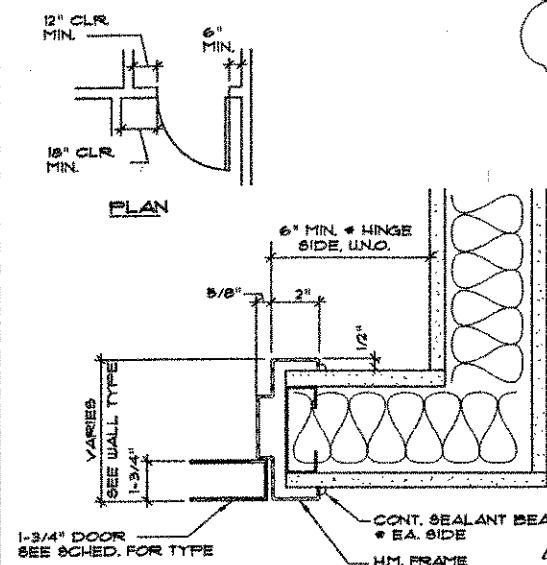
DRAWN BY: MC

JOB NO.: 2513

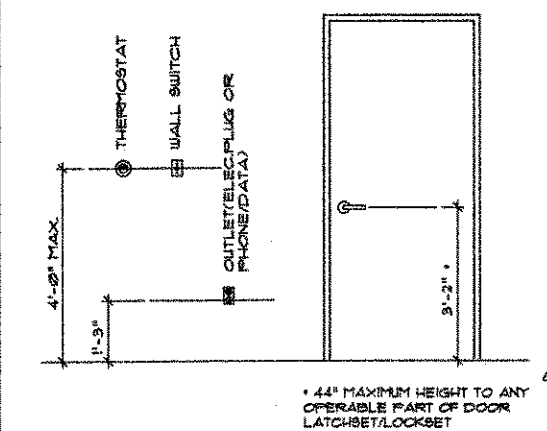
A9.0



9 ALUM. JAMB CONDITIONS, TYP.
A9.1 SCALE: NT8



8 TYPICAL DETAIL
A9.1 SCALE: NT8



7 TYP. MOUNTING HEIGHTS
A9.1 SCALE: NT8

HARDWARE GROUPS:

BOARDROOM					STAIRS, CLOSETS, STORAGE, UTILITY				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Hinges	HAG	1219 & 1191		Ball Bearing	Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Lockset	SCH	L9010P		Pair	Lockset	SCH	L9010P		
Coordinator	GJO	COR2 x BRKTS x Pliers	UMS		Seals	FEM	588		
Flush Bolts	GJO	FB31P x DP2			Stop	-	-		Per Specifications
Closer	DOR	8900			Threshold	FEM	-		Per Detail
Stop	-	-		Per Specifications	HARDWARE GROUP NO. 2 CONFERENCE				
Seals	FEM	588			Type	Mfr.	#	Finish	Remarks
Astragal	-	-		By Door Manufacturer	Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Astragal Seal	FEM	511			Lockset	SCH	L9010P		
Threshold	FEM	Per Detail			Seals	FEM	588		
HARDWARE GROUP NO. 10 BREAKROOM					Stop	-	-		Per Specifications
Type	Mfr.	#	Finish	Remarks	Threshold	FEM	-		Per Detail
Track	HAG	9801 Series		extra heavy duty pocket door hardware	HARDWARE GROUP NO. 3 RESTROOMS				
Surface Bolt	HAG	215D		On one leaf only	Type	Mfr.	#	Finish	Remarks
Lockset	HAG	9262		Pocket door keyed lock	Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Door Pull	Outwater	Alu 241		6\" Satin Fin Metal Channel	Push/Pull	HAG	305/U		
Threshold	FEM	Per Detail			Closer	DOR	8900		
HARDWARE GROUP NO. 11 BREAKROOM					Kickplate	-	10\" x 2\" LDW		
Type	Mfr.	#	Finish	Remarks	Stop	-	-		Per Specifications
Hinge	HAG	550		Single Acting Pivot	Threshold	FEM	-		Per Detail
Lockset	SCH	L9010P			HARDWARE GROUP NO. 4 RESTROOMS				
Threshold	FEM	Per Detail			Type	Mfr.	#	Finish	Remarks
HARDWARE GROUP NO. 12 BARN DOOR					Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Type	Mfr.	#	Finish	Remarks	Lockset	SCH	L9496		
Track	HAG	8000 Series		HEAVY DUTY BARN DOOR ASSEMBLY, INCLUDE TRACK HANGERS, END CAP, TRACK FLASHING, TROLLEY TRUCK, AND HANGERS.	Kickplate	-	10\" x 2\" LDW		
Door Pull	-	-			Stop	-	-		Per Specifications
Stop	-	-		Per Specifications	Threshold	FEM	-		Per Detail
Lockset	-	-			HARDWARE GROUP NO. 5 BOARD ROOM PATIO DOORS				
Surface Bolt	-	-			Type	Mfr.	#	Finish	Remarks
Threshold	FEM	Per Detail			Hinges	HAG	1219 & 1191		Ball Bearing
HARDWARE GROUP NO. 13 STAIRS					Lockset	VDP	99 LBR		110\" OPEN, MIN.
Type	Mfr.	#	Finish	Remarks	Closer	DOR	8900		
Hinges	HAG	1219 & 1191		Ball Bearing, see specs.	Stop	-	-		Per Specifications
Lockset	VDP	99 Series		Rim device/exit only	Seals	FEM	588		
Closer	DOR	8900		At exterior HM. doors only.	Astragal Seal	FEM	511		
Seals	FEM	588			Drip	FEM	346C		
Stop	-	-		Per Specifications	Threshold	FEM	Per Detail		
Threshold	FEM	Per Detail			Drip/Sweep	FEM	345A		At Outswing Only
HARDWARE GROUP NO. 14 GATES					HARDWARE GROUP NO. 6 OFFICE				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Spring hinge	-	-		By Gate Manufacturer	Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Lockset	VDP	99 Series		Rim device/exit only	Lockset	SCH	L9010P		
HARDWARE GROUP NO. 23 WEBSTER ENTRY					Seals	FEM	588		
Type	Mfr.	#	Finish	Remarks	Stop	-	-		Per Specifications
Flr. Closers	DOR	BT5 80-BF			Threshold	FEM	-		Per Detail
Intern. Pivots	DOR	15220		Quantity as req'd by dr. height	HARDWARE GROUP NO. 1 STAIR				
Push Pull sets	-	-		To be selected by Architect	Type	Mfr.	#	Finish	Remarks
Shear Locks	SDC	1562			Hinges	HAG	1219 & 1191		Ball Bearing, see specs.
Power Source	SDC	631TD			Hinges	HAG	ETW		Electric Hinge
Sure Exit	SDC	500V		With power transfer.	Lockset	SCH	L9010P		
Batt. Backup	SDC	BB-24			Closer	DOR	8900		
Stop	-	-		Per Specifications	Seals	FEM	588		
Weatherstripping	-	-		By Door Manufacturer	Stop	-	-		Per Specifications
Astragal	-	-		By Door Manufacturer	Threshold	FEM	-		Per Detail
Threshold	-	-		Per detail	HARDWARE GROUP NO. 8 BOARDROOM STORAGE				
Cardkey	-	-		By Owner	Type	Mfr.	#	Finish	Remarks
					Hinges	HAG	1219 & 1191		Ball Bearing
					Lockset	SCH	L9010P		
					Flush Bolts	GJO	FB31P x DP2		At Fixed Leaf
					Stop	-	-		Per Specifications
					Threshold	FEM	Per Detail		
					Armour Plate	-	-		34\" x 1 1/2\" LDW

DOOR SCHEDULE:

DOOR TYPE	DOOR				FRAME				REMARKS
	MATERIAL	FINISH	WIDTH	HEIGHT	MATERIAL	FINISH			
A	SC	CLR	3'-0"	7'-0"	AL	CLR			1. CLEAR ANODIZED FRAME, TYP. 2. FOR R1, R24 & R30 PROVIDE 1/4\" UNDERCUT
B	AL	GL	PTD CLR	6'-0"	8'-0"	AL	PTD		
C	SC	GL	CLR	3'-0"	7'-0"	AL	CLR		
CI	SC	GL	CLR	3'-0"	7'-0"	AL	CLR		
D	MTL	PTD	3'-0"	7'-0"	MTL	PTD			
E	SC	PTD	5'-0"	7'-0"	-	-			
F	STL	CLR	3'-0"	8'-0"	STL	CLR			1. PROVIDE PAIR OF DOORS AS SHOWN 2. COORDINATE HT. W/ STEEL WORK, SEE 5/A6.2
G	STL	CLR	3'-0"	19'-0"	STL	CLR			
H	HM	PTD	3'-0"	7'-0"	HM	PTD			
J	CHAIN LINK	GALV PTD	3'-0"	7'-0"	MTL	PTD			1. GALVANIZED AND PAINTED FRAME AND GATE 2. COORDINATE ASSEMBLY WITH WINDOW TYPE R, SEE WINDOW SCHEDULE, A9.0
K	AL	GL	PTD CLR	13'-10"	7'-10"	AL	PTD		

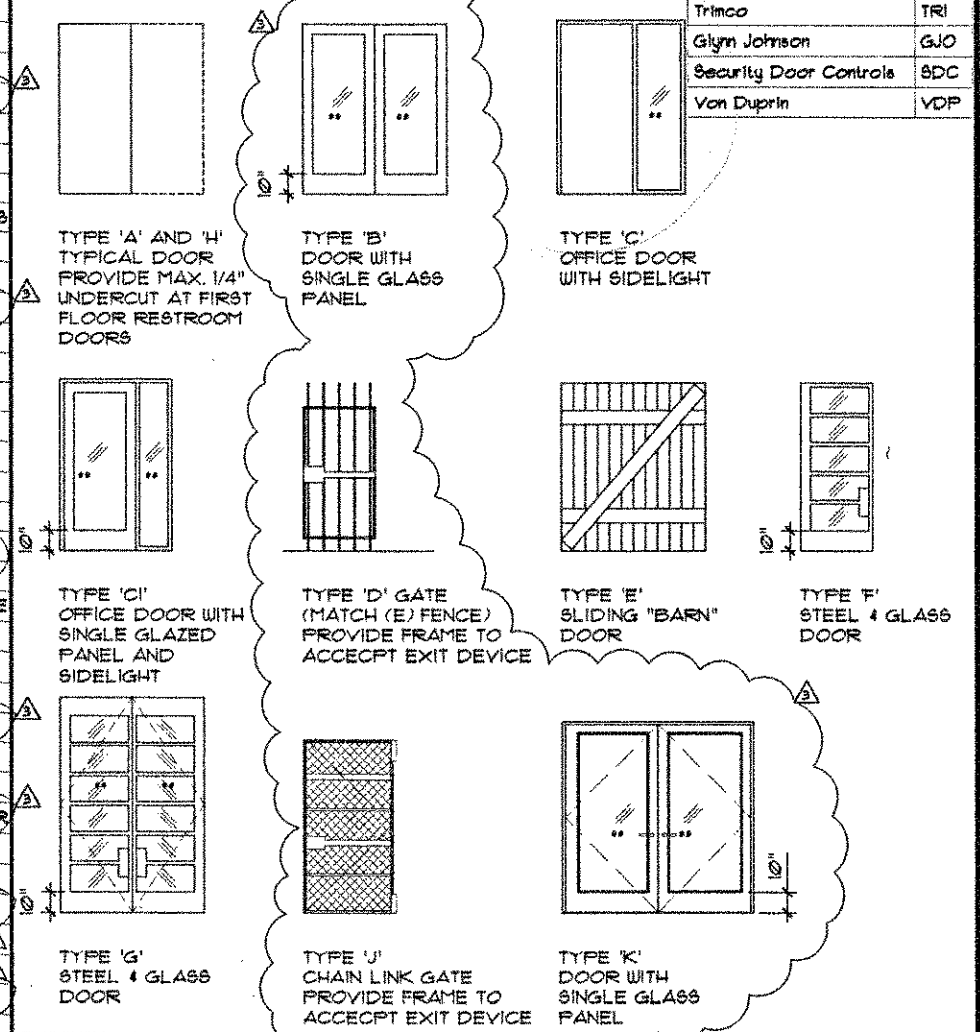
GENERAL NOTES

- FOR THRESHOLD DETAILS, SEE SHEET A8.1
- FOR INSTALLATION DETAILS & MOUNTING HEIGHTS, SEE 1, 8, & 9/A9.1

MANUFACTURER ABBREVIATIONS

Dorma	DOR
Hager	HAG
Pemko Manufacturing Co.	FEM
Schlage	SCH
Trimco	TRI
Glynn Johnson	GJO
Security Door Controls	SDC
Von Duprin	VDP

DOOR TYPES:



DOOR & HARDWARE NOTES:

- COORDINATE ALL REQUIREMENTS BY SECURITY SCOPE - ELECTRIFIED STRIKES, CARD READERS, KEYPADS, ETC.
- ALL LOCKSETS TO BE SCHLAGE 'L' SERIES HEAVY DUTY MORTISE LOCKS WITH LEVER TYPE NO. 17, UON.
- PROVIDE KICKPLATE AT BOTH SIDES OF DOOR AT RESTROOM AND JANITOR'S CLOSETS
- INSTALL CLOSERS AT STAIRWELL DOORS TO MAINTAIN MIN. 6'-8\" CLEARANCE.

Floor Material Products

- CP1: Collins & Aikman - Kasuri Cone Flower with Powerbond ER3 in tiles
Provide 10-20% for replacement
- CP2: Collins & Aikman - Kasuri Cone Flower with Powerbond ER3 in tiles
Provide 10-20% for replacement
- L1: Linoleum - Forbo Marmoleum, Fresco line, 3866 Eternity
- L2: Linoleum - Forbo Marmoleum, Vivace line, 3405 Granada
- RR: ECONights by ECOsurfaces, see attached
- TT: Terrazzo Floor and Stair treads and landing: Poured Recycled Glass Terrazzo floor, Sealed and polished.
Low-Voc Single color epoxy matrix; 3/8" min.

T1: All Bathrooms - Floor Tile
Terragreen Ceramics, Terra Traffic
Field Color Mix: Two colors from Group 1, 4x4" tiles
Accent Color: One color from Group 2, 4"x4" tiles, 15% of floor area

T2: All Bathrooms - Wall Tile
Terragreen Ceramics, Terra Classic
Field Color Mix: Two colors from Group 1, 4x4" tiles and 4" V Cap/Corner tiles
Accent Color: One color from Group 2, 4x4" wall tiles, 6x8" Cove Base/Corner tiles, 4" V Cap/Corner tiles, 15% of wall area

ARX: Ardex or Equal self-leveling concrete topping with integral color
RJSC S-Type Dyes Richard James Specialist Chemicals 914-478-7500

Low VOC Concrete Sealant
VOC Compliant Concrete Film forming sealer with satin finish

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WECT		WALLS		CEILING		REMARKS
		MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	
100	ENTRY & RECEPTION	TT	-	MTL	CLR	-	-	GB	PI/E	-	-	
101	RECYCLE, TRASH & BICYCLE	ARX	CS	UD	MTL	P6	CLR	LI	-	GB	P3/G	* WAINSCOT HT 3'-6"
102	CONFERENCE ROOM	CP1	-	UD	ST	-	-	GB	P4/S	GB	P2/F	* SEE PLANS FOR ANY ADDITIONAL FLOOR MATERIALS
103	ELECTRIC CLOSET	EC	CS	RB	-	-	-	GB	P3/G	-	-	
104	MEN'S RESTROOM	TI	-	T2	-	T2	-	GB	P3/G	GB	P2/F	* WAINSCOT HT AS SHOWN IN ELEVATION, A6.0
105	MAIL & COPY ROOM	RR	-	RR	-	-	-	GB	PI/E	ATI	-	
106	DISPLAY ROOM	TT	-	MTL	CLR	-	-	GB	PI/E	-	P2/F	* WAINSCOT HT 4'-0"
107	BREAK ROOM	L2	-	LB	-	LI	-	GB	P4/E	-	P2/F	
108	BOARD ROOM / TRAINING ROOM	CP1	-	MTL	CLR	-	-	GB	P4/S	ATI	-	
109	STORAGE / JANITOR	L2	-	LB	-	LI	-	GB	P3/G	-	-	* WAINSCOT HT 4'-0"
110	WOMEN'S RESTROOM	TI	-	T2	-	T2	-	GB	P3/G	GB	P2/F	* WAINSCOT HT AS SHOWN IN ELEVATION, A6.0
111	PRIVATE ROOM	CP1	-	RB	-	-	-	GB	PI/S	ATI	-	
112	OPEN OFFICE SPACE	CP1	-	RB	-	-	-	GB	PI/S	-	-	* PAINTED GYP WHERE OCCURS -SEE RCP
113	LIBRARY	CP1	-	UD	ST	-	-	GB	PI/S	-	-	* GLASS CEILING WHERE OCCURS -SEE RCP
114	HALL	TT	-	MTL	CLR	-	-	GB	UD	PI/ST	** P2/F	* NORTH SIDE - FULL HT. STAINED WD. VENEER OVER GYP. BD. SOUTH SIDE - PAINTED GYP. MATCH RM. 100
115	CLOSET	EC	CS	RB	-	-	-	GB	P3/G	-	-	
116	ELEV. MACHINE ROOM	EC	CS	RB	-	-	-	GB	P3/G	GB	P2/F	
117	STORAGE	EC	CS	RB	-	-	-	GB	PI	-	P2/F	
118	CLOSET	CP1	-	RB	-	-	-	GB	P4/S	-	-	
200	OPEN OFFICE SPACE	CP2	-	UD	P6	-	-	GB	P5/S	-	P2/F	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
201	PRIVATE OFFICE	CP2	-	UD	P6	-	-	GB	P5/S	ATI	-	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
202	CONFERENCE ROOM	CP2	-	UD	P6	-	-	GB	P5/S	ATI	-	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
203	PRIVATE OFFICE	CP2	-	UD	P6	-	-	GB	P5/S	ATI	-	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
204	MISC. ROOM	CP2	-	RB	-	-	-	GB	P5/S	-	P2/F	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
205	GRAPHICS ROOM	CP2	-	RB	-	-	-	GB	P5/S	-	P2/F	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
206	MEN'S RESTROOM	TI	-	T2	-	T2	-	GB	P3/G	GB	P2/F	* WAINSCOT HT AS SHOWN, A6.0 & ON PLUMB. WALL ONLY
207	WOMEN'S RESTROOM	TI	-	T2	-	T2	-	GB	P3/G	GB	P2/F	* WAINSCOT HT AS SHOWN, A6.0 & ON PLUMB. WALL ONLY
208	BREAK ROOM	L2	-	UD	P6	-	-	GB	P5/E	ATI	-	COVE BASE & CAP, +/- 5" HIGH
209	COPY AREA	CP2	-	RB	-	-	-	GB	P5/S	ATI	-	
210	ELECTRIC ROOM	TI	-	TI	-	-	-	T2	-	GB	P2/G	
211	JANITOR CLOSET	TI	-	TI	-	-	-	GB	P5/S	-	-	* PAINTED GYP. WHERE OCCURS, SEE FLOOR PLAN
ELEV	ELEVATOR	TT	-	-	-	-	-	MTL	-	MTL	-	
STAIR 1	LOBBY STAIR	TT	-	-	-	-	-	-	-	-	-	SEE DETAILS
STAIR 2	REAR STAIR	MTL	P6	EXT	-	-	-	-	-	-	-	SEE DETAILS

LEGEND

ARX	ARDEX OR EQUAL WITH INTEGRAL COLOR	LB	LINOLEUM INTEGRAL COVE BASE
ATI	ACOUSTIC TILE, 2'X2'	MTL	METAL
AT2	ACOUSTIC TILE, 1'X1' CONCEALED SPLINE	PI	PAINT COLOR #1
CLR	CLEAR FINISH	P2	PAINT COLOR #2
CP1	CARPET COLOR #1	P3	PAINT COLOR #3
CP2	CARPET COLOR #2	P4	PAINT COLOR #4
CS	CONCRETE SEALER	P5	PAINT COLOR #5
E	EGGSHELL	P6	PAINT COLOR #6
EC	EXISTING CONCRETE	RB	RUBBER BASE
EL	ELASTOMERIC PAINT	RR	RECYCLED RUBBER TILE
EXT	EXTERIOR	S	SATIN
F	FLAT	ST	STAIN
G	GLOSS	TT	TERRAZZO FLOOR
GB	GYP&UM BOARD	TI	CERAMIC TILE 1 - FLOOR TILE
LI	LINOLEUM SHEET COLOR #1	T2	CERAMIC TILE 2 - WALL TILE
L2	LINOLEUM SHEET COLOR #2	UD	WOOD

KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
FINISH SCHEDULE

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDM. 3 03-13-06

© COPYRIGHT 2006

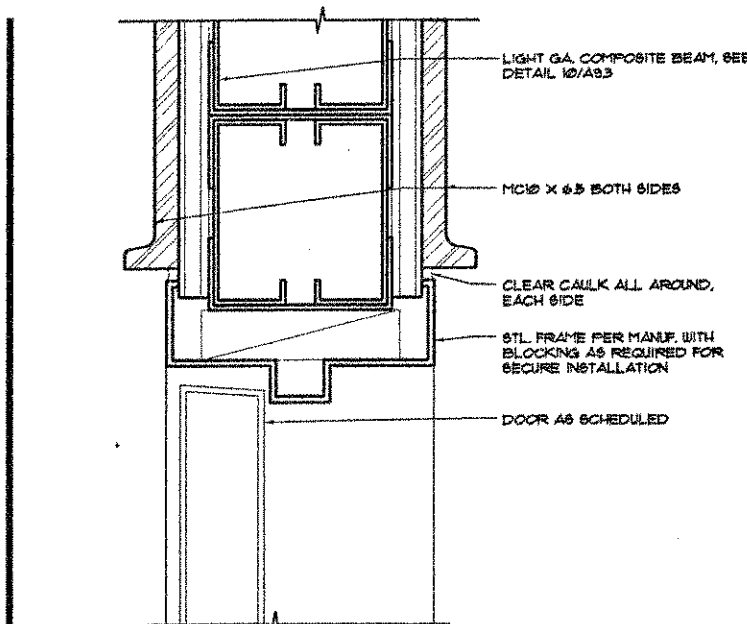


DATE: 02-21-06

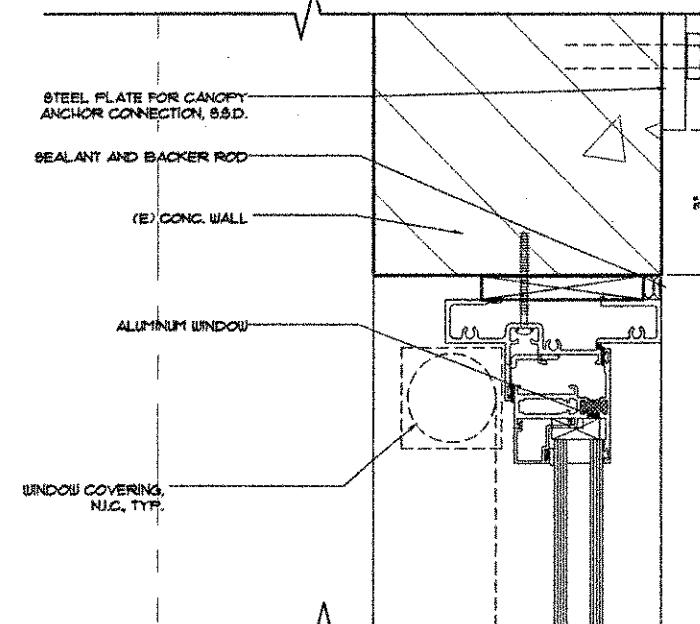
DRAWN BY: MC

JOB NO.: 2513

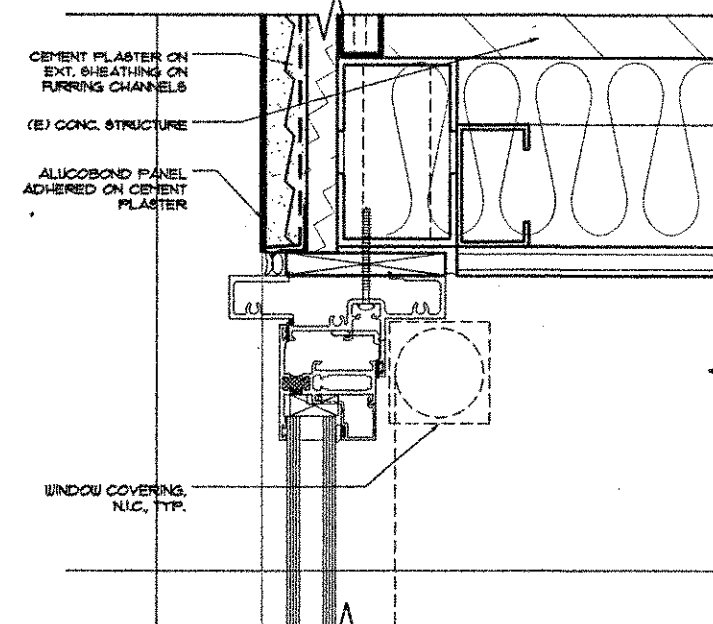
A9.2



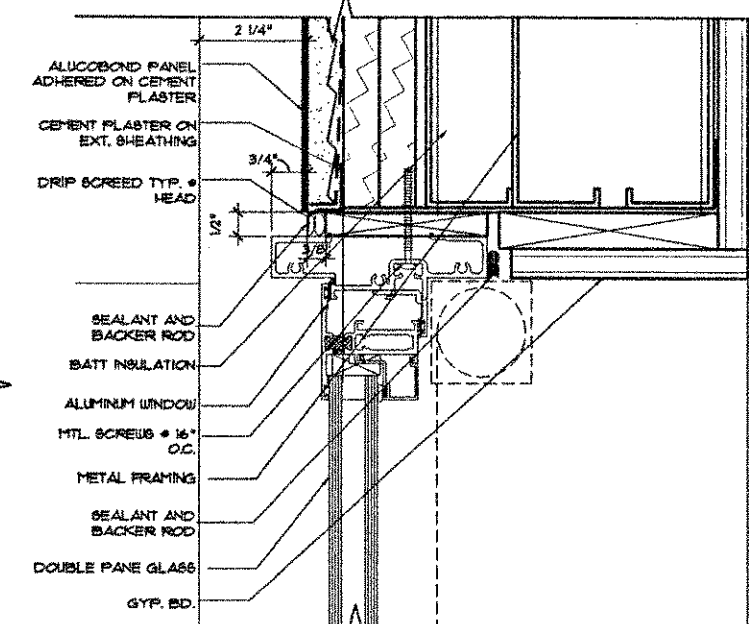
12 HEAD
A9.3 SCALE: 6" = 1'-0"



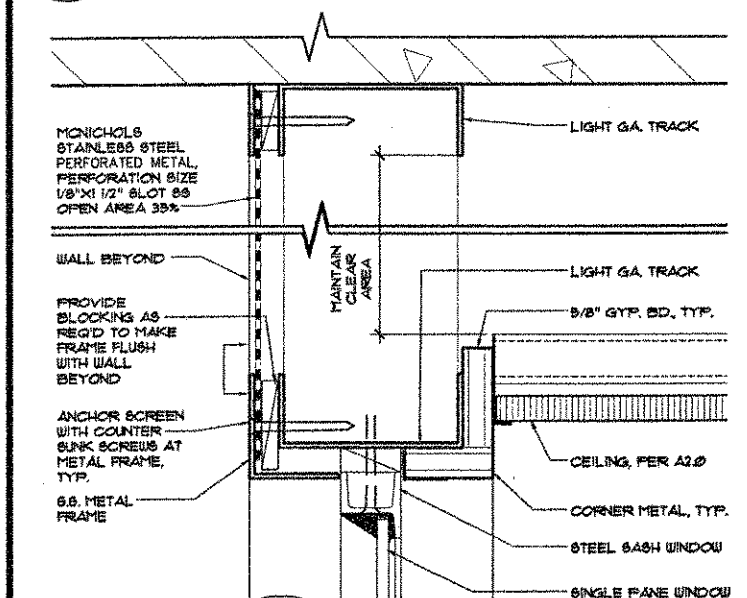
9 HEAD
A9.3 SCALE: 6" = 1'-0"



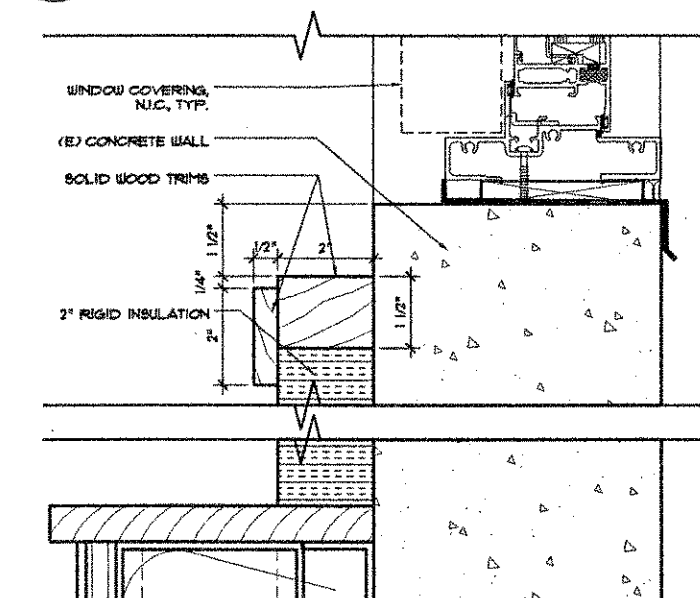
6 HEAD
A93 SCALE: 6" = 1'-0" SEE DET. 3/A93 FOR SIM. NOTES



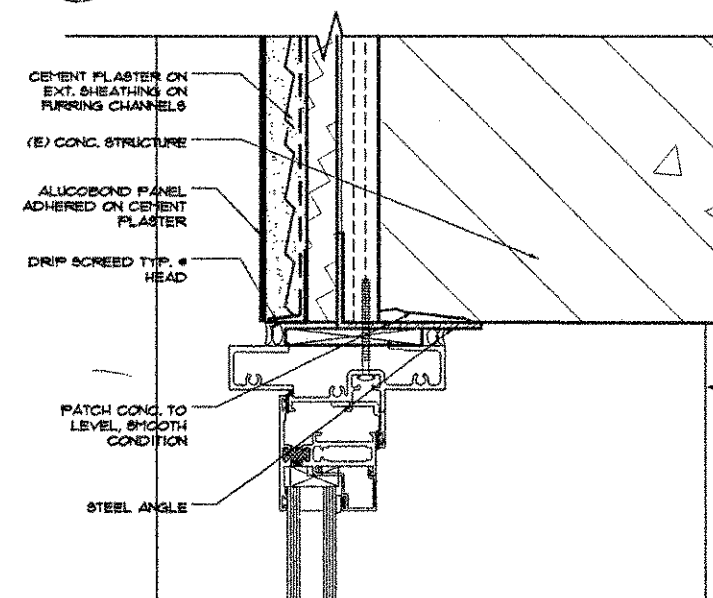
3 HEAD
A9.3 SCALE: 6" = 1'-0"



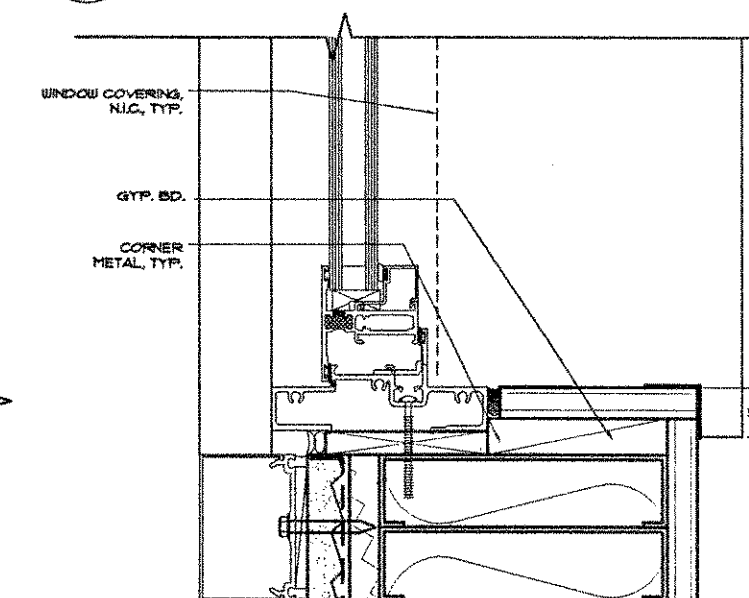
11 HEAD/ JAMB SIMILAR
A93 SCALE: 6" = 1'-0"



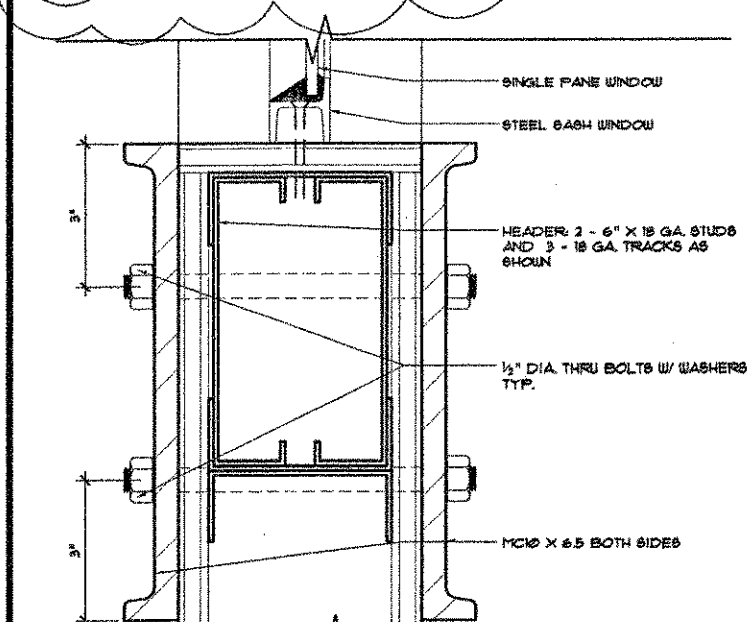
8 SILL/ JAMB SIMILAR
A9.3 SCALE: 6" = 1'-0" SEE 7/A9.3 FOR SIM. NOTES



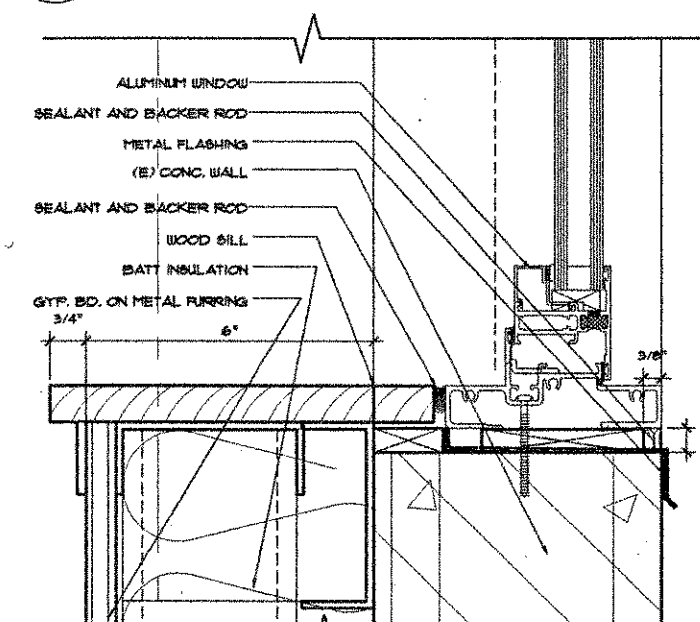
5 HEAD
A9.3 SCALE: 6" = 1'-0" SEE DET. 3/A9.3 FOR SIM. NOTES



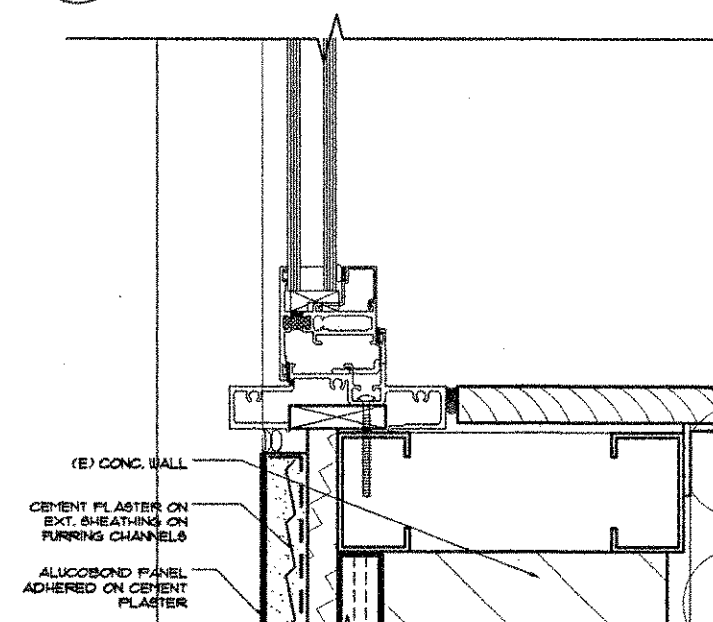
2 JAMB
A9.3 SCALE: 6" = 1'-0" SEE DET. 1/A9.3 FOR DIM. NOTES



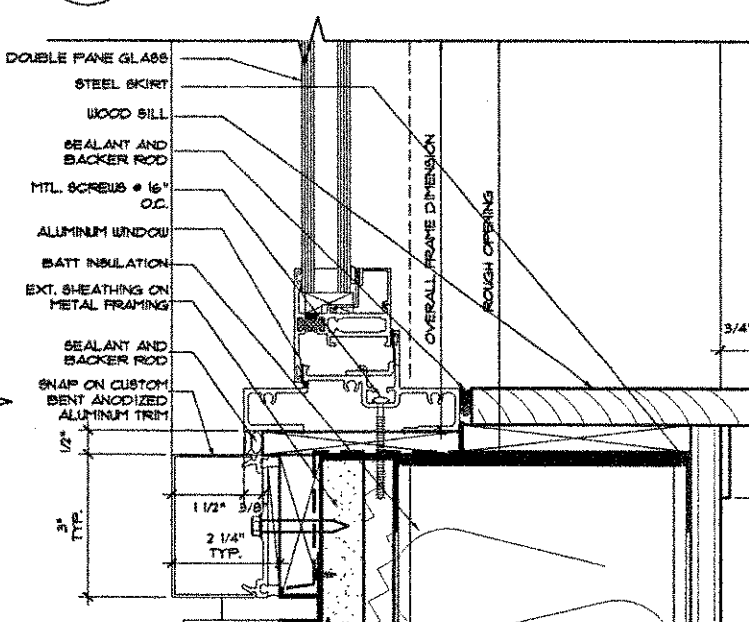
10 SILL
A9.3 SCALE: 6" = 1'-0"



7 SILL
A9.3 SCALE: 6" = 1'-0"



4 SILL
A93 SCALE: 6" = 1'-0" SEE DET. 1/A93 FOR SIM. NOTES



1 SILL
A9.3 SCALE: 6" = 1'-0"

(A) GENERAL NOTES

1. THE CONTRACTOR AND HIS SUBS SHALL FIELD MEASURE & VERIFY ALL DIMENSIONS AS WELL AS FEASIBILITY OF CONNECTIONS AND DETAILS SHOWN PRIOR TO STARTING ANY WORK, INCLUDING BUT NOT LIMITED TO PREPARING SHOP DRAWINGS, ORDERING MATERIALS, ETC. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. SHOP DRAWINGS SHALL REFLECT FIELD CONDITIONS. CONTRACTOR SHALL VERIFY RELEVANT FEATURES OF EXISTING CONSTRUCTION AND NOTIFY ARCHITECT OF ANY VARIATION OR DISCREPANCIES.
3. SHOP DRAWINGS ARE PRODUCED TO FACILITATE FABRICATION AND COORDINATION BY THE CONTRACTORS. THEY SHALL IN NO WAY TAKE PRECEDENCE OVER THE GOVERNING APPROVED CONTRACT DOCUMENTS. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT AND STRUCTURAL ENGINEER IS INTENDED TO BENEFIT THE FABRICATOR AND CONTRACTOR. NO APPROVAL IS IMPLIED OR INTENDED FOR VARIATIONS BETWEEN SHOP DRAWINGS AND THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND STAMP THEM "REVIEWED" PRIOR TO SUBMITTING TO THE ARCHITECT FOR REVIEW.
4. SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT SHOWN OR CALLED FOR, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS SHOWN OR NOTED. ALL OMISSIONS AND/OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THESE DRAWINGS AND/OR SPECIFICATIONS AND SHOP DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK INVOLVED.
5. ALL WORK SHALL CONFORM TO 2001 CALIFORNIA BUILDING CODE.
6. SEE ARCHITECTURAL MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS FOR ITEMS AND/OR DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. COORDINATE OTHER DISCIPLINE'S WORK WITH THE STRUCTURAL WORK. FOR OPENINGS IN FLOORS, BEAMS, JOISTS, COLUMNS, WALLS ETC. LARGER THAN THOSE SHOWN ON TYPICAL DETAILS ON STRUCTURAL DRAWINGS, OBTAIN THE STRUCTURAL ENGINEER'S REVIEW PRIOR TO PROCEEDING WITH WORK.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC. CONTRACTOR AT HIS OWN EXPENSE SHALL ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED AND INSPECT SAME IN THE FIELD. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR HIS FIELD REPRESENTATIVE SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS. CONTRACTOR SHALL PROTECT THE ADJOINING PROPERTY DURING EXCAVATION. PROTECTION SHALL BE SUCH THAT ANY EARTH OR STRUCTURE OF THE ADJOINING PROPERTY WILL NOT CAVE, SETTLE OR CRACK. CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 18 OF THE BUILDING CODE.
8. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN OTHER DRAWINGS SHOW OPENINGS, POCKETS, ETC. BUT NOT LIKEWISE SHOWN ON THE STRUCTURAL DRAWINGS.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND RELOCATE, AS NECESSARY, UTILITIES, SPRINKLERS, DUCTS, ETC.
10. ALL INSPECTIONS AND TESTS CALLED FOR BY THE DRAWINGS AND SPECIFICATIONS SHALL BE PAID FOR BY THE OWNER.
11. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON SUSPENDED FLOORS OR ROOF. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD FOR EACH PARTICULAR LEVEL.
12. INFORMATION ABOUT THE EXISTING STRUCTURE IS BASED ON THE AVAILABLE INFORMATION. THIS INFORMATION IS SHOWN FOR REFERENCE ONLY AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION.
13. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND UNDERPINNING OF EXISTING STRUCTURE PRIOR TO DEMOLITION.

(B) FOUNDATION

1. FOUNDATION DESIGN IS BASED ON GEOTECHNICAL INVESTIGATION BY TREADWELL AND ROLLO DATED SEPTEMBER 30, 2005.
2. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATION FROM EITHER SURFACE WATER, GROUND WATER, OR SEEPAGE.
3. CONTRACTOR SHALL PROVIDE AND INSTALL ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS AND/OR EXCAVATION.

4. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR TO NOTIFY GEOTECHNICAL ENGINEER WHEN EXCAVATION IS READY FOR INSPECTION. GEOTECHNICAL ENGINEER TO SUBMIT LETTER OF COMPLIANCE TO THE ARCHITECT.
5. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
6. ALL BACKFILLS SHALL BE PROPERLY COMPACTED BUT NOT BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH.
7. ALLOWABLE SKIN FRICTION FOR DRILLED DEEP FOUNDATIONS: MICROPILES ----- 2000 PSF
8. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
9. WATER IN FOOTING EXCAVATIONS SHALL BE REMOVED BEFORE PLACING CONCRETE.

(C) CONCRETE

1. ALL CONCRETE SHALL BE MIXED & PLACED IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318. CONCRETE MIXES TO BE DESIGNED OR APPROVED BY A RECOGNIZED TESTING LABORATORY AND COPIES OF DESIGN SENT TO THE ARCHITECT. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPT. AND ARCHITECT.
2. MAXIMUM CEMENT WATER/ CEMENT RATIO SHALL NOT EXCEED 0.45.
3. THE MAXIMUM SIZE AGGREGATE IN FOUNDATION AND MASS CONCRETE WORK SHALL BE 1 1/2".
4. THE MAXIMUM SIZE AGGREGATE IN SLABS ON GRADE, SHALL BE 3/4".
5. THE MAXIMUM SIZE AGGREGATE IN WALLS AND SLABS SHALL BE 3/4".
6. PROVIDE SIEVE ANALYSIS SHOWING UNIFORM GRADATION OF AGGREGATES.
7. ALL SAW CUTS IN SLABS ON GRADE TO BE MADE NOT LATER THAN 24 HOURS AFTER PLACING CONCRETE.
8. CALCIUM CHLORIDE ADMIXTURE IS NOT PERMITTED.
9. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE 2.
10. AGGREGATE (STONE CONCRETE) SHALL CONFORM TO ASTM C-33 & SHALL MEET CALIFORNIA STATE CLEANLINESS CRITERIA.
11. SHRINKAGE IN CONCRETE SHALL NOT EXCEED 0.055% PER ASTM C-157 (28 DAYS DRYING AFTER 7 DAYS MOIST CURE.).
12. CONCRETE SHALL BE POURED WITHIN 60 MINUTES AFTER ADDITION OF WATER WHEN AIR TEMPERATURE EXCEEDS 75F.
13. NON-SHRINK GROUT AND DRYPACK SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI IN 7 DAYS.
14. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
15. SLEEVE PLUMBING OPENING AND PVC CONDUITS THROUGH CONCRETE WALLS AND SLABS BEFORE PLACING CONCRETE AND ARRANGE REINFORCING AROUND SLEEVES. CORING NOT PERMITTED IN FLOOR, ROOF SLABS, COLUMNS, AND WALLS, UNLESS PERMITTED BY STRUCTURAL ENGINEER.
16. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C-94.
17. THE MAXIMUM SLUMP SHALL NOT EXCEED 3" FOR FOOTINGS, SLABS ON EARTH AND MASS CONCRETE, AND 4" FOR OTHER CONCRETE.
18. ULTIMATE COMPRESSIVE STRENGTH AT 56 DAYS SHALL BE AS FOLLOWS:
SHEAR WALLS ----- 5000 PSI
PILE CAPS, SLAB ON GRADE, MISC ----- 4000 PSI
19. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DRAWINGS.
20. UNLESS NOTED OTHERWISE ON DOCUMENTS, EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE SHALL BE PREPARED PER THE FOLLOWING PROCEDURE:
 - a. ROUGHEN SURFACE TO AN AMPUTUDE OF 1/4" WITH BUSH HAMMER, SAND BLASTING OR OTHER APPROVED METHOD.
 - b. CLEAN SURFACES OF DUST AND DEBRIS USING COMPRESSED AIR WATER.

(D) REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST EDITION), AND THE "ACI DETAILING MANUAL."
2. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60 EXCEPT AS NOTED BELOW: ACTUAL YIELD STRESS SHALL NOT EXCEED 78,000 PSI AND ULTIMATE TENSILE STRESS SHALL EXCEED 1.25 TIMES ACTUAL YIELD STRESS.
3. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
 - a. CONCRETE POURED DIRECTLY AGAINST EARTH, 3" CLEAR.
 - b. STRUCTURAL SLABS, 3/4" CLEAR.
 - c. CONCRETE FORMED AGAINST EARTH, 2" CLEAR.
 - d. WALLS: INTERIOR FACE, 3/4" CLEAR, WEATHER FACE, 1-1/2".
 - e. BEAMS AND COLUMNS 1-1/2" CLEAR TO FACE OF THE OF SPIRAL UNLESS OTHERWISE NOTED.
4. ALL REINFORCING BAR BENDS TO BE MADE COLD. OFFSET SLOPE SHALL BE 1:8 MAXIMUM IN COLUMN VERTICAL REINFORCING.
5. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6" OR ONE FULL MESH PLUS 2" PROVIDE W.W.F. 6X6-W14X1.4.
6. TOLERANCE IN PLACING REINFORCING SHALL BE IN ACCORDANCE WITH ACI 7.5.2.
7. PLACEMENT OF REINFORCING TO BE SUCH THAT ADEQUATE SPACE IS PROVIDED BETWEEN BARS TO ALLOW PASSAGE OF CONCRETE VIBRATOR, ETC. PROVIDE ADDITIONAL STIRRUPS OR TRANSVERSE REBARS TO MAINTAIN TOP REINFORCING BARS AT CORRECT LOCATION IN BEAMS AND SLABS.
8. CONTRACTOR SHALL NOT FABRICATE REINFORCING UNTIL REVIEWED SHOP DRAWINGS ARE RECEIVED ON THE JOB.
9. FOR BEAMS AND SLABS THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL BARS SHALL BE IN ACCORDANCE WITH ACI 7.6.
10. IN SLABS, SPLICES OF REINFORCING SHALL NOT BE MADE AT POINTS OF MAXIMUM STRESS WITHOUT THE APPROVAL OF THE ENGINEER. SPLICES WHERE PERMITTED SHALL PROVIDE SUFFICIENT LAP TO TRANSFER THE STRESS BETWEEN BARS BY BOND AND SHEAR (SEE LAP SPLICE TABLE FOR LENGTHS). STAGGER SPLICES IN ADJACENT HORIZONTAL BARS BY 4'- 0".
11. TACK WELDING OF REBARS IS NOT PERMITTED.
12. WELDING OF REBARS SHALL CONFORM AWS D1.4.
13. DO NOT DAMAGE EXISTING REINFORCING BARS. CONTRACTOR SHALL LOCATE BARS IN EXISTING CONCRETE PRIOR TO DRILLING HOLES. CONTRACTOR SHALL NOTIFY ENGINEER IF EXISTING REINFORCEMENT IS ENCOUNTERED WHILE DRILLING. EXPOSED REINFORCEMENT SHALL BE CLEANED AND RESTORED TO EXISTING CONDITIONS.

(E) STRUCTURAL STEEL

1. STEEL MATERIALS SHALL CONFORM WITH THE FOLLOWING, UNLESS OTHERWISE NOTED ON DRAWINGS:

WIDE FLANGE SHAPES	ASTM A992
OTHER STRUCTURAL SHAPES	ASTM A572, GRADE 50
PLATES	ASTM A572, GRADE 50
TUBES	ASTM A500, GRADE B
PIPES	ASTM A53, GRADE B OR ASTM 501
HIGH STRENGTH BOLTS	ASTM A325 OR ASTM F1552
MACHINE BOLTS (M.B.)	ASTM A307-X
ANCHOR BOLTS	ASTM F1554, GRADE 36
THREADED RODS	A193 GRADE B7
WELDED STUDS	ASTM A108
WELD METAL	AWS E70 XX OR E7XX-X
2. STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATIONS, FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
3. UNLESS A LARGER SIZE FILLET WELD IS SPECIFIED ON PLANS, PROVIDE MINIMUM SIZE WELD AND LENGTH PER AISC SPECIFICATIONS. ALL BUTT WELDS ARE TO BE COMPLETE PENETRATION U.O.N.
4. WELDING ELECTRODE SHALL BE E70XX, U.O.N. EXCEPT THAT E70XX T4 SHOULD NOT BE USED. SEE ALSO CONNECTION DETAILS AND SPECIFICATIONS FOR REQUIREMENTS OF WELD METAL.
5. WELDING SHALL BE DONE ONLY BY CERTIFIED WELDERS. WELDING SHALL CONFORM TO AWS SPECIFICATIONS. SHOP AND FIELD WELDING SHALL BE INSPECTED BY AN APPROVED TESTING LABORATORY.
6. SUBMIT WELDING PROCEDURE TO TESTING AGENCY FOR REVIEW PRIOR TO FABRICATION.
7. BOLT HOLES SHALL BE NO MORE THAN 1/16" OVERSIZE, U.O.N. WHERE OVERSIZE HOLE IS REQUIRED, PROVIDE 5/16"x3"x3" PLATE WASHER WELDED TO THE STRUCTURAL MEMBER. FOR FRAME COLUMN ONLY.
8. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP ZINC GALVANIZED U.O.N. STEEL NOT RECEIVING FIRE PROOFING SHALL BE SHOP PRIMED.
9. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS PER SPECIFICATIONS FOR ALL STEEL TO PORT FOR REVIEW PRIOR TO FABRICATION.

(F) EPOXY ANCHOR/EXPANSION ANCHOR

1. INSTALLATION:
 - a. HOLES FOR GROUTED ANCHORS SHALL BE DRILLED WITH A ROTARY HAMMER OR OTHER SUITABLE METHOD TO ENSURE THAT EXISTING REINFORCING IS NOT DAMAGED. ALL MISDRILLED OR UNACCEPTABLE HOLES SHALL BE GROUTED SOLID. DO NOT USE CORE DRILL.
 - b. THE ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS GIVEN IN THE ICBO RESEARCH COMMITTEE RECOMMENDATIONS FOR THE SPECIFIC ANCHOR.
2. JOB TESTING AND SPECIAL INSPECTION:
 - a. SPECIAL INSPECTION IS REQUIRED UNLESS SPECIFICALLY NOTED.
 - (i) DRILL-BIT COMPLIANCE WITH ANSI B94 12-1977
 - (ii) CHECK HOLE DEPTH AND CLEANLINESS.
 - (iii) PRODUCT NAME, ROD DIAMETER AND LENGTH.
 - (iiii) VERIFY ADHESIVE EXPIRATION DATE.
 - (v) CHECK ANCHOR INSTALLATION WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS AND THE ICBO REPORT.
 - b. PULL-OUT TEST FOR EPOXY ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
3. ACCEPTABLE DRILLED-IN CONCRETE EXPANSION ANCHORS:
 - a. THE MOLLY COMPANY "PARABOLT", "WEJ-IT", (ICBO APPROVED)
 - b. HILTI FASTENING SYSTEMS "KWIK-BOLT" (ICBO APPROVED)
4. ACCEPTABLE EPOXY DOWEL:
 - a. COVERT ADHESIVE (ICBO REPORT ER #4846, DEC 2001)
 - b. SIMPSON STRONG-TIE EPOXY (ICBO REPORT #4945) SEE MANUFACTURER SPECIFICATION FOR REQUIREMENT AND EMBEDMENT LENGTH.
5. SPALLING OF CONCRETE DUE TO DRILLING OF BOLT HOLES SHALL BE REPAIRED USING SIKA REPAIR 222 OR 223 PATCHING MATERIAL. USE S1-1 APPLICATION METHOD SPECIFIED IN SIKA SPEC BUILDER.

(G) SHOTCRETE NOTES

- SHOTCRETE MAY BE USED FOR WALLS AT CONTRACTOR'S OPTION.
1. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.
 2. MAXIMUM BAR SIZE OF REINFORCEMENT SHALL BE NO. 5 BARS UNLESS IT CAN BE DEMONSTRATED BY PRE-CONSTRUCTION TESTS THAT ADEQUATE ENCASEMENT OF LARGER BARS CAN BE ACHIEVED. SEE SECTION 1924.5 OF CBC FOR PRE-CONSTRUCTION TEST REQUIREMENTS. DO NOT START CONSTRUCTION PRIOR TO SATISFACTION OF TEST PANEL INSPECTION.
 3. MINIMUM CLEARANCE BETWEEN PARALLEL BARS:

NO. 5 BARS AND SMALLER:	2 1/2"
BARS LARGER THAN NO. 5:	6 BAR DIAMETERS
 4. WHEN TWO CURTAINS OF STEEL ARE PROVIDED, THE CURTAIN NEAREST THE NOZZLE SHALL HAVE A MINIMUM SPACING EQUAL TO 12 BAR DIAMETERS AND THE REMAINING CURTAIN SHALL HAVE A MINIMUM SPACING OF 6 BAR DIAMETERS.
 5. LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTACT LAP SPLICE METHOD WITH AT LEAST 2 INCHES CLEARANCE BETWEEN BARS.
 6. SHRINKAGE IN CONCRETE WHEN MEASURED IN ACCORDANCE WITH ASTM C157, SHALL NOT EXCEED LIMITS SPECIFIED IN CONSTRUCTION SPECIFICATION FOR PORTLAND CEMENT CONCRETE.

(H) PRE-ENGINEERED ITEMS NOT BY OLMM

1. DESIGN AND DETAILING, ANCHORING AND BRACING OF VENDOR SUPPLIED ITEMS SUCH AS

- a. FACADE ELEMENTS.
b. STAIRS, INCLUDING HANDRAIL AND GUARDRAILS.
c. SHORING/UNDERPINNING OF EXISTING FOOTING.
d. LIGHT GAGE STEEL FRAMING(INTERIOR AND EXTERIOR)

SHALL CONFORM TO THE REQUIREMENT OF 2001 CALIFORNIA BUILDING CODE. CONTRACTOR SHALL SUBMIT STRUCTURAL DESIGN CALCULATIONS AND DRAWINGS SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN CALIFORNIA TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

(I) SPECIAL INSPECTION

1. IN ADDITION TO THE INSPECTIONS REQUIRED BY THE LOCAL BUILDING DEPARTMENT SPECIAL INSPECTION BY A QUALIFIED INSPECTOR IS REQUIRED FOR THE FOLLOWING, THE INSPECTOR SHALL HAVE A MINIMUM OF 5 YEARS OF INSPECTION IN THE TYPE OF CONSTRUCTION TO BE INSPECTED. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED ACCORDING TO SEC. 1701 OF THE BUILDING CODE AND SHALL BE PAID FOR BY THE OWNER.

- a. ALL CONCRETE WORK OF 28 DAY STRENGTH GREATER THAN 2500 PSI
b. ALL REINFORCING PLACEMENT
c. INSTALLATION OF ANCHOR BOLTS & EPOXY ANCHORS IN CONCRETE
d. FOUNDATION EXCAVATION AND COMPACTION
e. ANCHOR BOLTS SET IN CONCRETE
f. STRUCTURAL STEEL WELDING
g. WELDED STUDS
h. HIGH-STRENGTH BOLTING

(J) DESIGN BASIS

ROOF LIVE LOAD: 20 PSF
TYP. FLOOR LIVE LOAD: 50 PSF

WIND DESIGN: BASIC WIND SPEED = 70 MPH EXPOSURE B

SEISMIC DESIGN: $V = (2.5 \times C_a \times I/R) \times W$

WHERE,

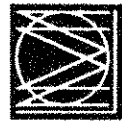
$C_a = 0.44$ N_a ZONE FACTOR, $Z = 0.4$
 $C_v = 0.64$ N_v SOIL PROFILE = TYPE Sd
 $I = 1.0$ $N_a = 1.19$
 $R = 5.5$ (SHEAR WALL) $N_v = 1.58$
 $R = 6.4$ (BRACED FRAMES)

(K) SYMBOLS AND ABBREVIATIONS

A.B	ANCHOR BOLT	NF	NEAR FACE
ADD.	ADDITIONAL	NIC	NOT IN CONTRACT
ALT.	ALTERNATE	NTS	NOT TO SCALE
B.	BOTTOM	O.C.	ON CENTER
BL.	BUILDING LINE	OH	OPPOSITE HAND
BLK.	BLOCK	PC	PRECAST
BM.	BEAM	PERP.	PERPENDICULAR
B.O.F.	BOTTOM OF FOOTING	P.I.P.	POUR IN PLACE
BRG.	BEARING	PL	PROPERTY LINE
CJ	CONSTRUCTION JOINT	PL	PLATE
CL.	CENTER LINE	PLWD.	PLYWOOD
CLR.	CLEAR	PSF	POUND PER SQUARE FOOT
COMPR.	COMPRESSIBLE	PT	POST TENSIONED
CONN.	CONNECTION	P.T.	PRESSURE TREATED
CONT.	CONTINUOUS	PVMT.	PAVEMENT
CONTR. JT.	CONTROL JOINT	REINF.	REINFORCEMENT
CP	COMPLETE PENETRATION	RW	REDWOOD
DBL	DOUBLE	S.A.D.	SEE ARCHITECTURAL DRAWING
DEPR.	DEPRESS	SB	SOLID BLOCKING
DIA #	DIAMETER	S.E.D.	SEE ELECTRICAL DRAWING
DWG	DRAWING	SIM.	SIMILAR
EA	EACH	SL	SLOPE
EF	EACH FACE	S.L.D.	SEE LANDSCAPING DRAWING
EL.	ELEVATION	S.M.D.	SEE MECHANICAL DRAWING
ENG.	ENGINEERED	S.O.G.	SLAB ON GRADE
ES	EACH SIDE	SPL	SPlice
EXP. JT.	EXPANSION JOINT	STD	STANDARD
EXT.	EXTERIOR	STL	STEEL
FF	FAR FACE	SUPP.	SUPPORT
FLR	FLOOR	T.	TOP
F.O.C.	FACE OF CONCRETE	T&B	TOP AND BOTTOM
F.O.S.	FACE OF STUD	THR'D	THREADED
GLB.	GLUED LAMINATED BEAM	T.O.F.	TOP OF FOOTING
GR.	GRADE	T.O.S.	TOP OF SLAB
HDR.	HEADER	T.O.W.	TOP OF WALL
HK.	HOOK	TYP.	TYPICAL
HORIZ.	HORIZONTAL	U.O.N.	UNLESS OTHERWISE NOTED
HSB	HIGH STRENGTH BOLT	VERT.V.	VERTICAL
HYDR.	HYDROSTATIC	WWF	WELDED WIRE FABRIC
J.H.	JOIST HANGER		
JST.	JOIST		
LT. WT.	LIGHT WEIGHT		
MAX.	MAXIMUM		
M.B.	MACHINE BOLT		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
M.S.	MILD STEEL		

 LETTER OR DETAIL NUMBER
SHEET WHERE DETAIL
IS DRAWN

OLMM Consulting Engineers
1404 Franklin Street, Suite 350
Oakland, California 94612





1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
GENERAL NOTES

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PROJECT SET

REVISIONS
 ADDM. 3 03-13-06

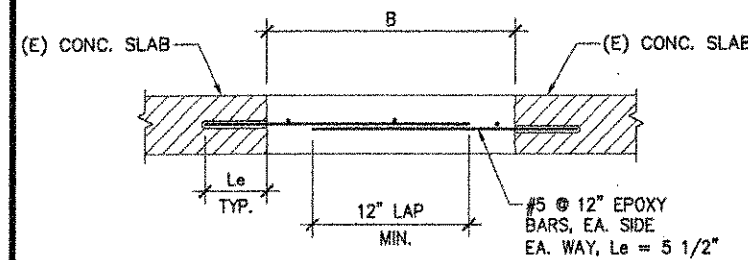
UNLESS OTHERWISE NOTED

DATE: 01-09-06

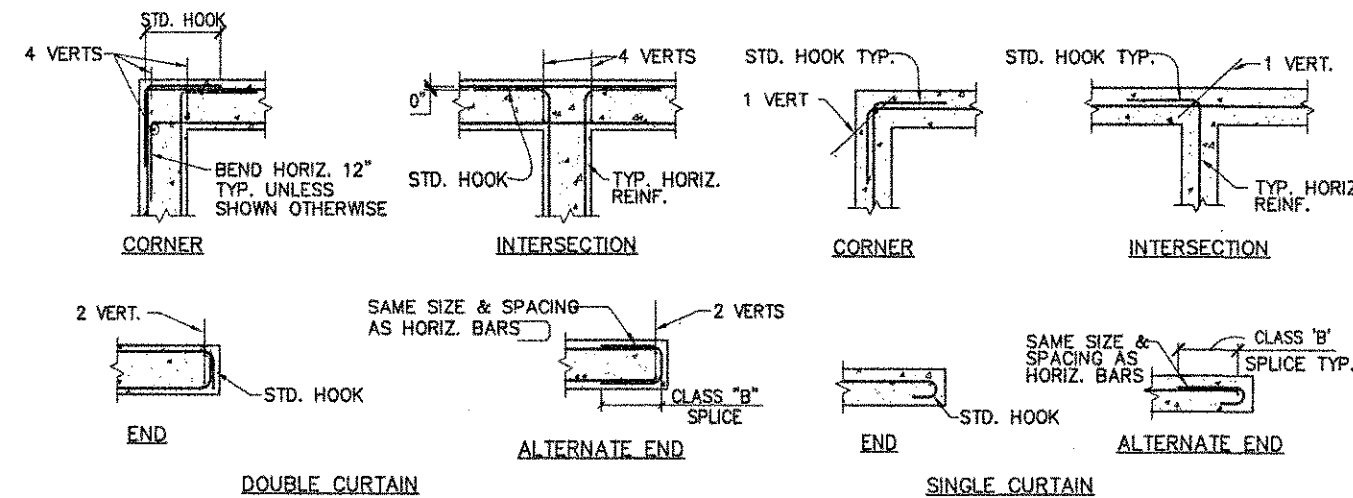
DRAWN BY: AC

JOB NO.: 0506

S0.2

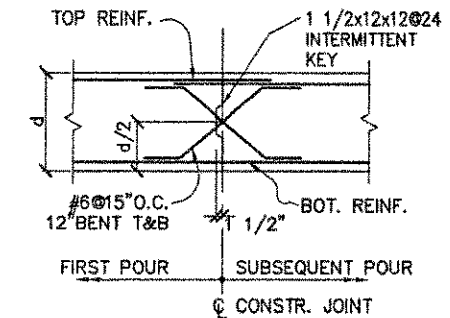


8 INFILL SLAB OPENING
S0.3 $B < 3'-0"$



- NOTES:
1. BAR INTERSECTIONS SHOWN APPLY TO ALL SINGLE & DOUBLE CURTAIN INTERSECTIONS AND TO ALL VARIATIONS OF VERTICAL & HORIZONTAL REBAR POSITIONS.
 2. TYPICAL VERTICAL REINFORCING NOT SHOWN.

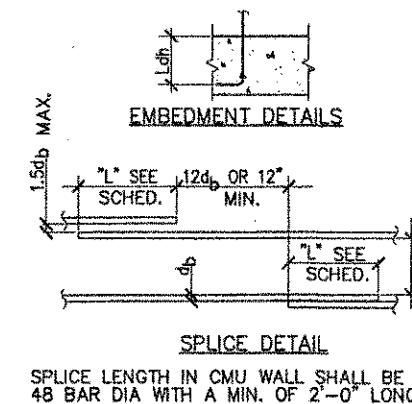
4 TYP. CONC. WALL & FTG
S0.3 INTERSECTIONS



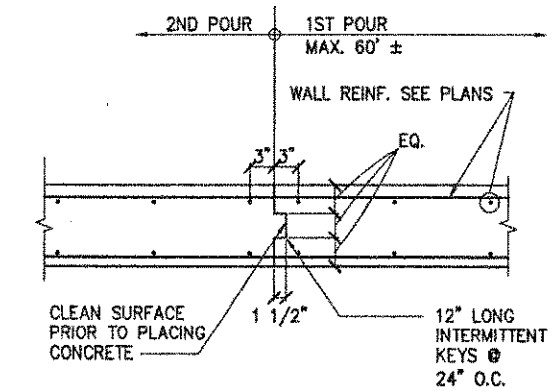
1 GRADE BEAM CONSTR.
S0.3 JOINT DETAIL

CONCRETE STRENGTH	$F'_c = 4000 \text{ PSI}$						$F'_c = 5000 \text{ PSI}$					
	CLASS 'A'			CLASS 'B'			CLASS 'A'			CLASS 'B'		
LAP SPLICE CLASS	OTHERS	T. BARS	OTHERS	T. BARS	Ldh		OTHERS	T. BARS	OTHERS	T. BARS	Ldh	
#3	14"	18"	18"	24"	7"		13"	17"	17"	22"	7"	
#4	19"	25"	25"	32"	10"		17"	22"	22"	29"	9"	
#5	24"	31"	31"	40"	12"		21"	28"	28"	36"	11"	
#6	28"	37"	37"	48"	14"		25"	31"	31"	43"	13"	
#7	42"	54"	54"	70"	17"		37"	48"	48"	63"	15"	
#8	47"	62"	62"	80"	19"		42"	55"	55"	72"	17"	
#9	54"	70"	70"	90"	21"		48"	62"	62"	81"	19"	
#10	60"	78"	78"	102"	24"		54"	70"	70"	91"	22"	
#11	67"	87"	87"	113"	27"		60"	78"	78"	101"	24"	

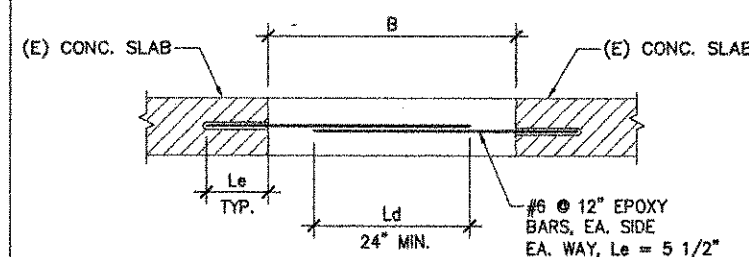
- NOTES:
1. USE CLASS 'B' SPLICES FOR VERTICAL & HORIZONTAL BARS TYP. U.O.N.
 2. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW THEM.
 3. VALUES SHOWN ARE FOR GR. 60 BARS IN NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE MULTIPLY TABLE VALUES BY 1.3.
 4. FOR #11 BARS AND SMALLER WITH CLEAR SPACING NOT LESS THAN $5d_b$ (d_b = BAR DIAMETER) AND CLEAR COVER NOT LESS THAN $2.5d_b$, THE TABLE VALUES MAY BE MULTIPLIED BY 0.8, BUT SHALL NOT BE LESS THAN 12"



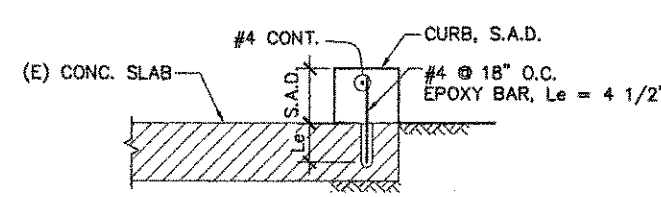
5 SPLICE LENGTHS &
S0.3 EMBEDMENT



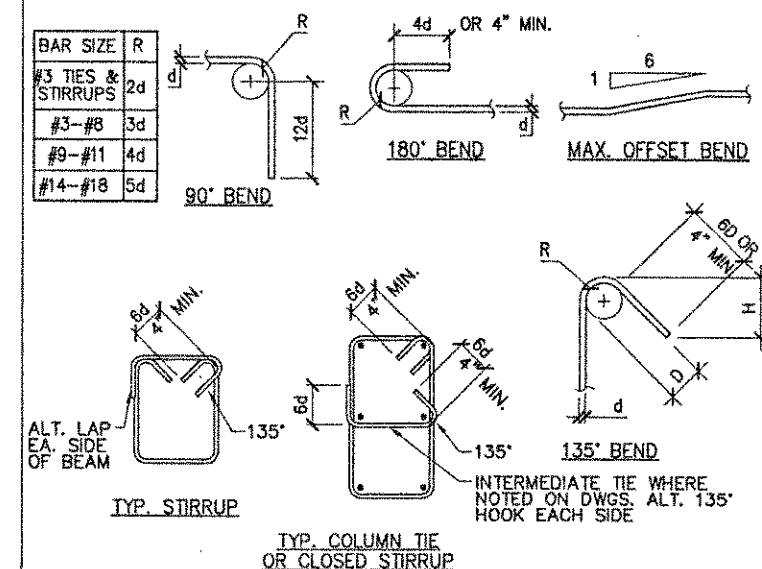
2 CONC. WALL VERT.
S0.3 JOINT DETAIL



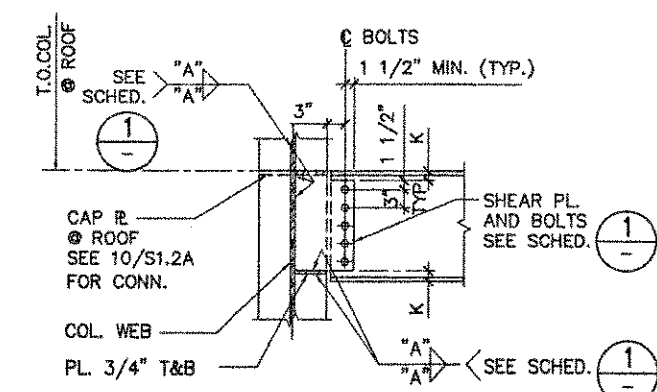
7 INFILL SLAB OPENING
S0.3 $B > 3'-0"$



6 TYP. CURB DETAIL
S0.3



3 STANDARD HOOKS, BENDS,
S0.3 TIES

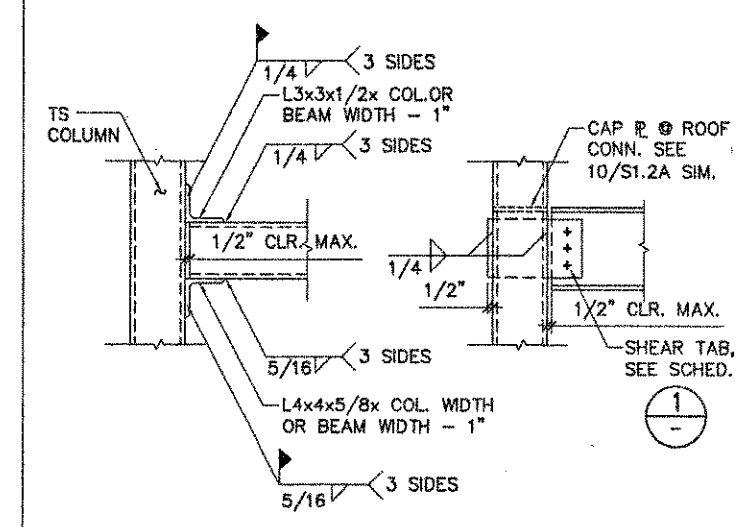


TYPICAL BEAM TO COL. WEB
SIMPLE CONNECTION 4
S0.4

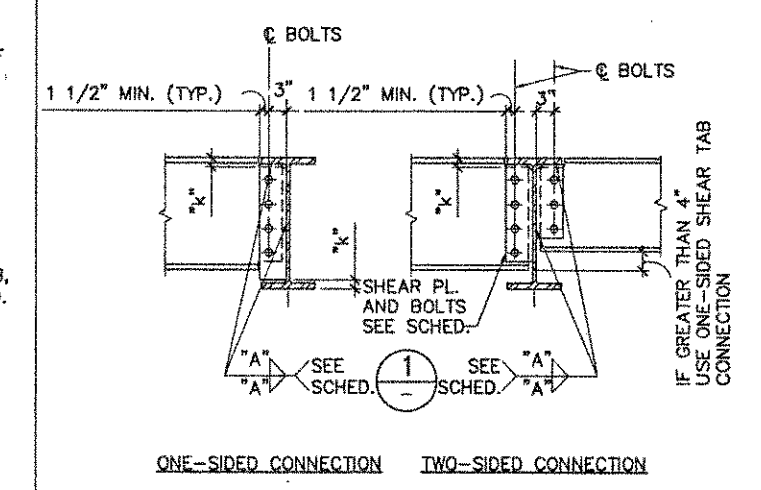
BEAM SIZE (1)	NO. OF BOLTS 7/8\" A325-N	SHEAR PL.	WELD SIZE \"A\"
W8, W10	2	1/4	1/4 (2)
W12, W14	3	1/4	1/4 (2)
W16, W18	4	3/8	5/16
W21	5	3/8	5/16
W24	6	3/8	5/16
W27	7	3/8	5/16
W30	8	1/2	5/16

- (1) WHERE GIRDER DEPTH IS LESS THAN BEAM DEPTH, USE NO. OF BOLTS BASED ON GIRDER.
(2) UNLESS LARGER SIZE WELD IS REQUIRED BY AISC SPECS. FOR WELDING TO THICK PLATES.
(3) USE AISC STANDARD HOLES IN SHEAR PL. U.O.N.

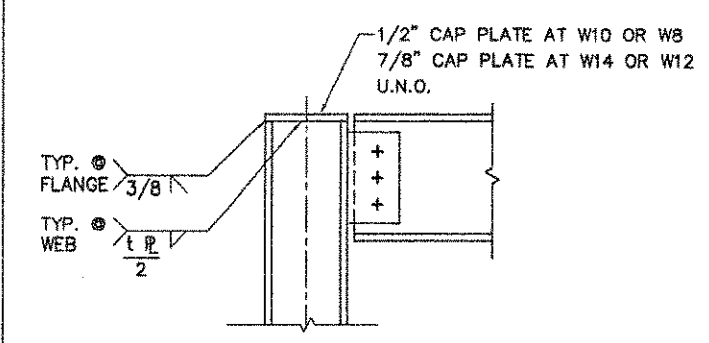
SIMPLE CONNECTION 1
SCHEDULE S0.4



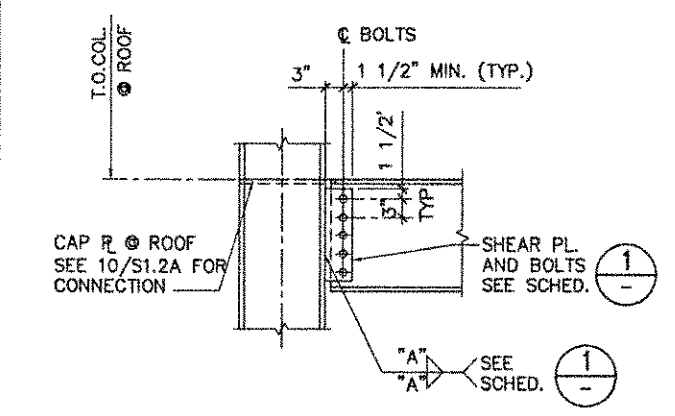
TS BEAM WF BEAM
TYPICAL BEAM TO TS COL.
CONNECTION 5
S0.4



ONE-SIDED CONNECTION TWO-SIDED CONNECTION
TYPICAL BEAM TO BEAM
SIMPLE CONNECTION 2
S0.4

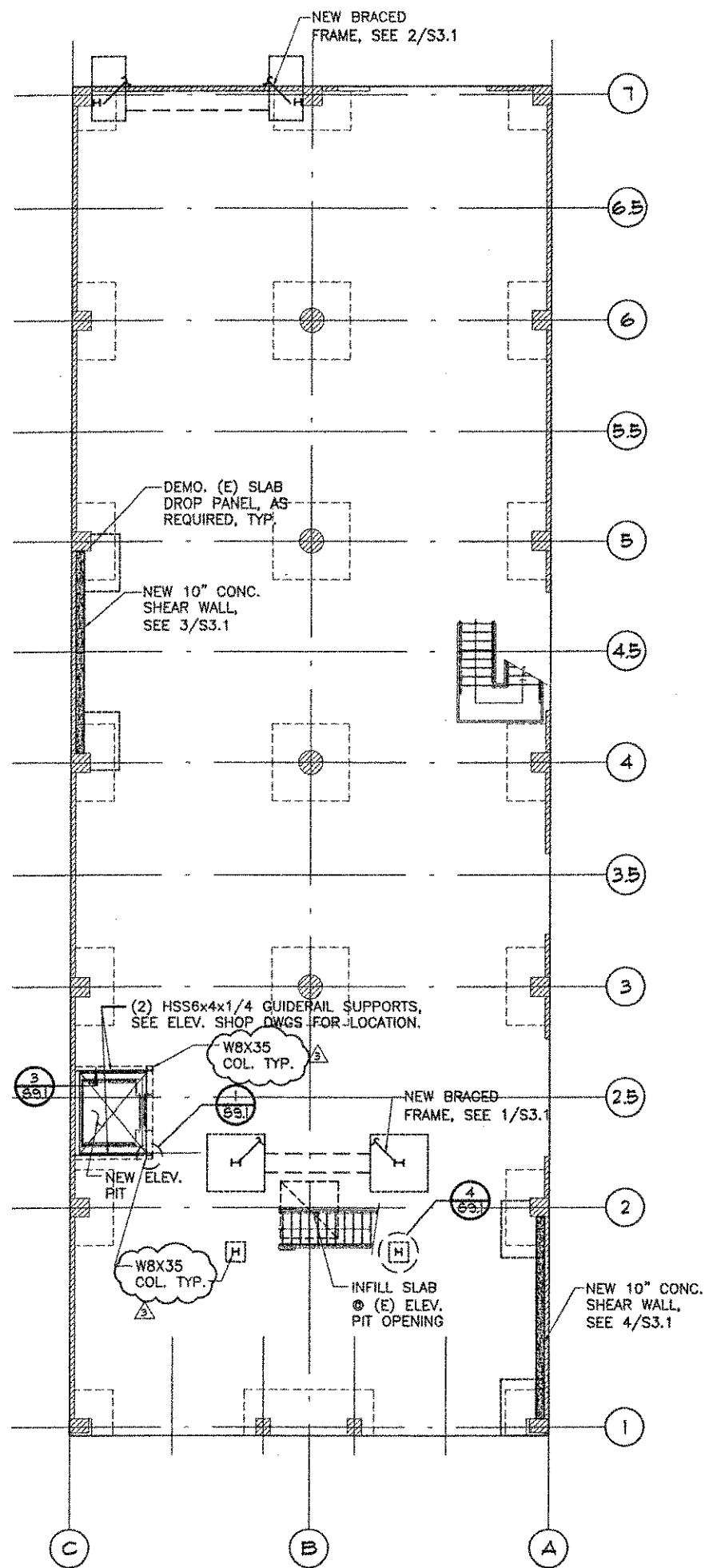


TYPICAL COLUMN CAP
PLATE DETAIL 6
S0.4

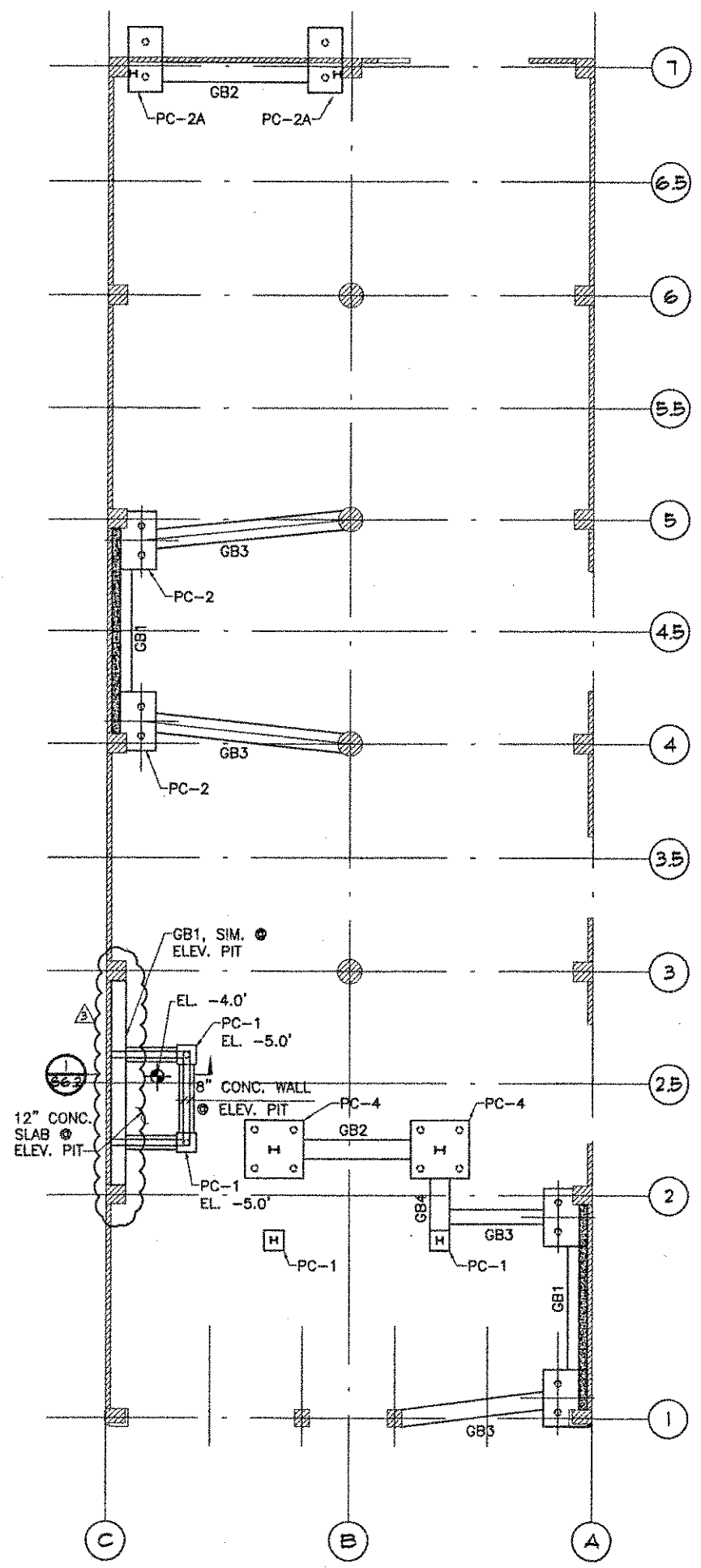


TYPICAL BEAM TO COL.
FLANGE SIMPLE CONNECTION 3
S0.4





2 FLOOR PLAN - GROUND LEVEL
 SCALE: 1/8" = 1'-0"



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

- NOTES:**
1. T.O. SLAB ELEVATION AT GROUND LEVEL = +0.0'.
 2. LOCATION OF (E) FOOTING IS UNKNOWN. DRILLING MAY BE REQUIRED FOR MICROPILE INSTALLATION.
 3. SEE SHEET S3.1 FOR ELEVATIONS.
 4. SEE SHEET S6.1 FOR FOUNDATION DETAILS.

1527 WEBSTER ST. OAKLAND, CA
 BUILDING REHABILITATION
 AND SEISMIC IMPROVEMENTS
 FLOOR PLANS
 FOUNDATION AND GROUND

OLMM Consulting Engineers
 1404 Franklin Street, Suite 350
 Oakland, California 94612

ACVMA
 ALAMEDA COUNTY
 WASTE MANAGEMENT AUTHORITY
 777 DAVIS ST. #100
 SAN LEANDRO, CA 94577

PRINT SET

REVISIONS

ADDM 3 03-13-06

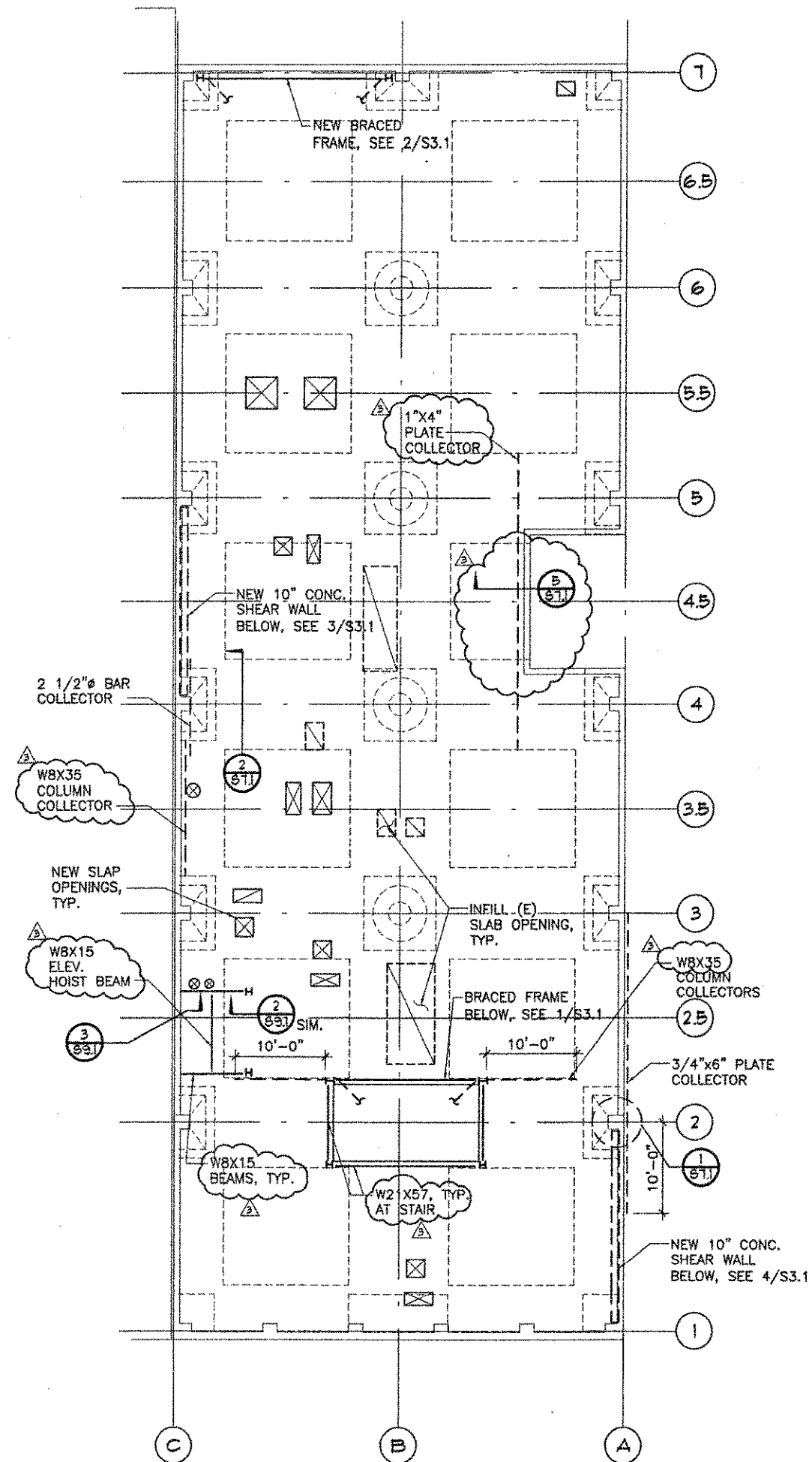
UNLESS OTHERWISE NOTED

DATE: 01-09-08

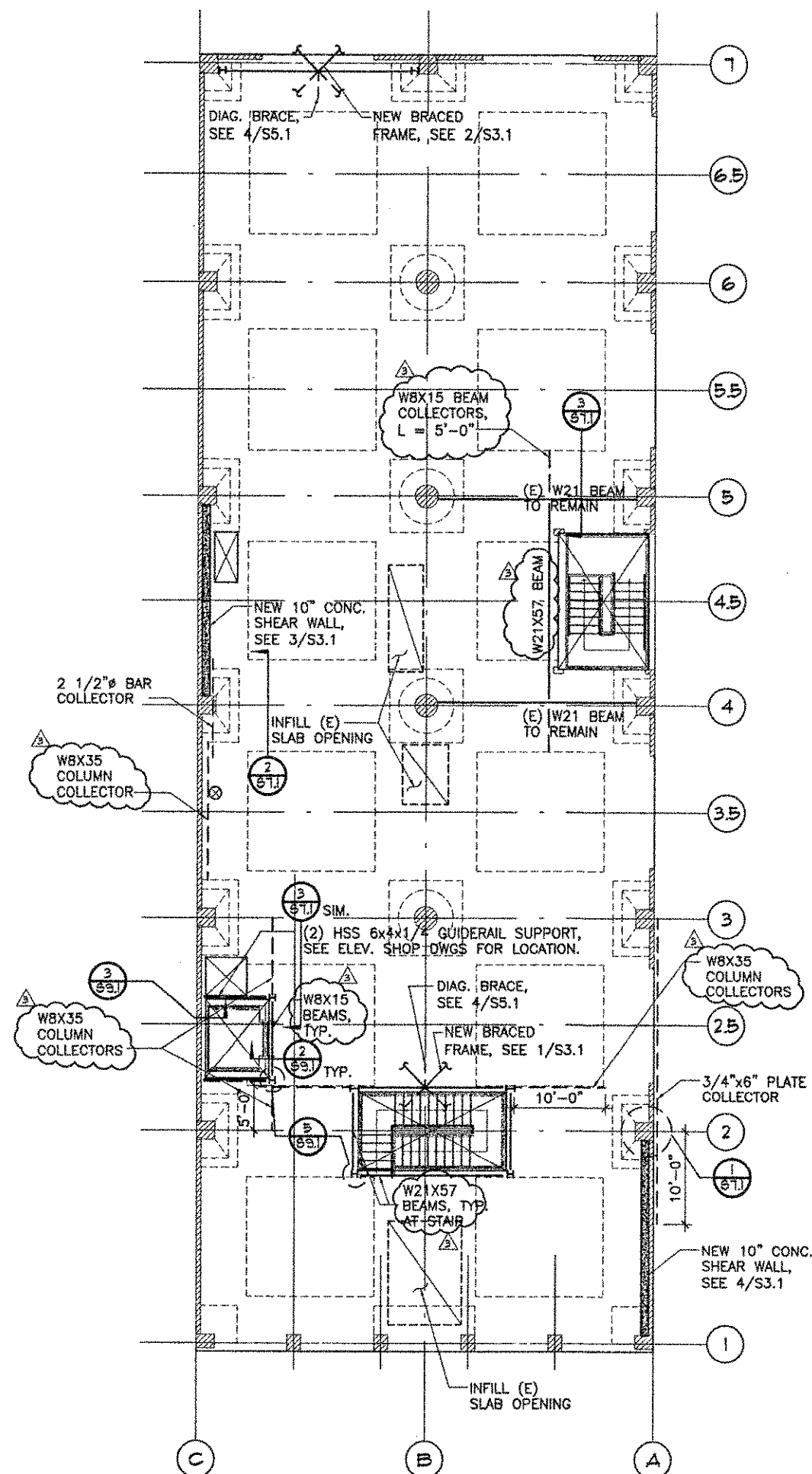
DRAWN BY: AC

FOR NO: 008

S1.0



2 ROOF PLAN
SCALE: 1/8" = 1'-0"



1 FLOOR PLAN - SECOND LEVEL
SCALE: 1/8" = 1'-0"

NOTES:

1. T.O. SLAB ELEVATION AT SECOND LEVEL = +16.75' AND AT ROOF LEVEL VARIES.
2. SEE SHEET S3.1 FOR ELEVATIONS.
3. SEE SHEET S4.1 FOR SHEAR WALL DETAILS
4. SEE SHEET S5.1 FOR BRACED FRAME DETAILS
2. SEE SHEET S7.1 FOR COLLECTOR DETAILS.

OLMM Consulting Engineers
1404 Franklin Street, Suite 350
Oakland, California 94612



1327 WEBSTER ST. OAKLAND, CA
**BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS**
FLOOR PLANS
SECOND AND ROOF

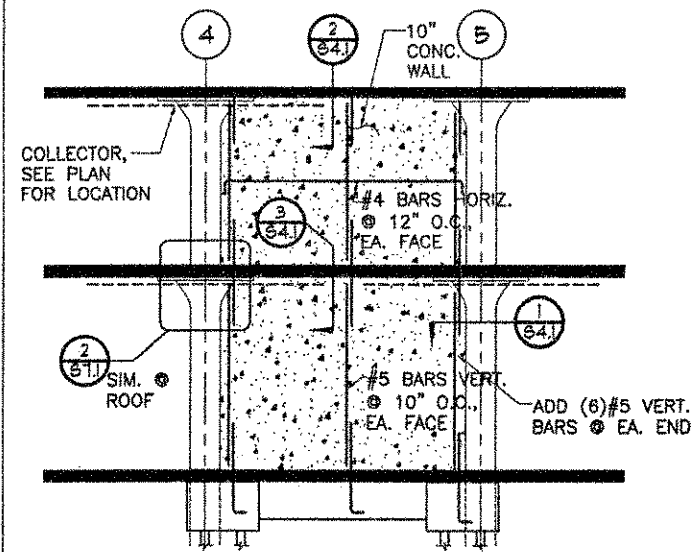
ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

REVISIONS
ADDN. 3 03-13-06

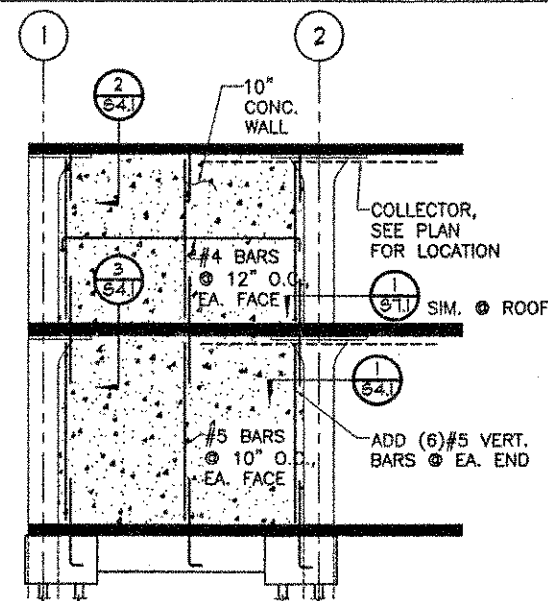
UNAPPROVED COPYRIGHT 2005

DATE: 01-09-05
DRAWN BY: AC
JOB NO.: 002

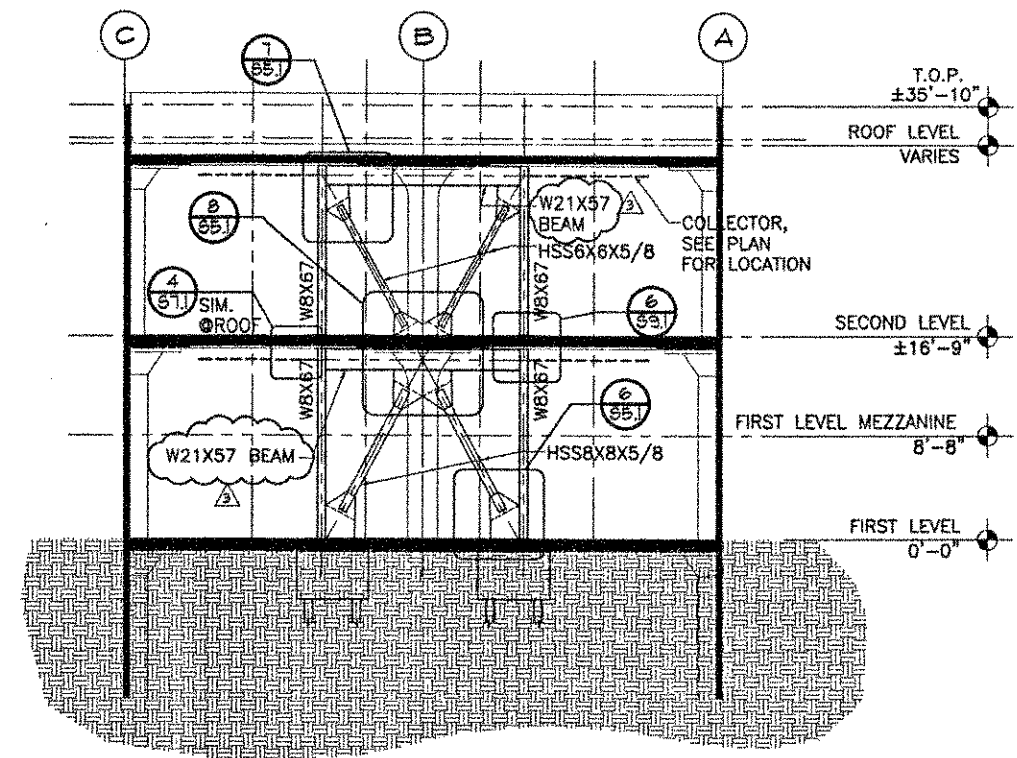
S1.1



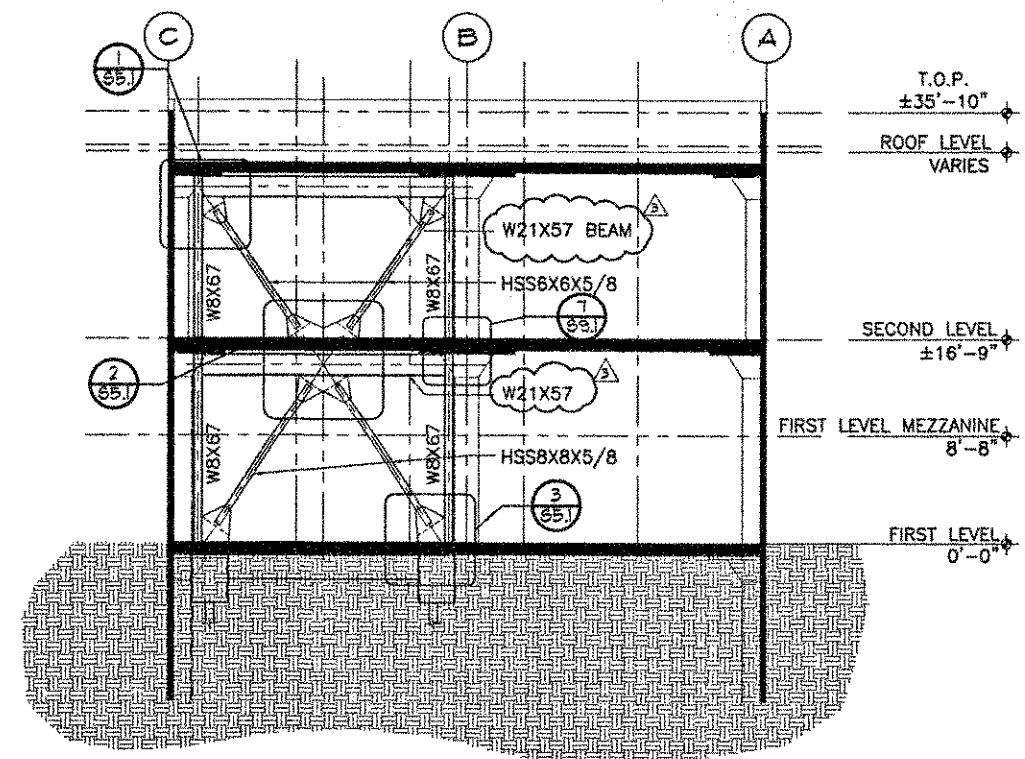
3 ELEVATION @ LINE C
S3.1 SCALE: 1/8" = 1'-0"



4 ELEVATION @ LINE A
S3.1 SCALE: 1/8" = 1'-0"

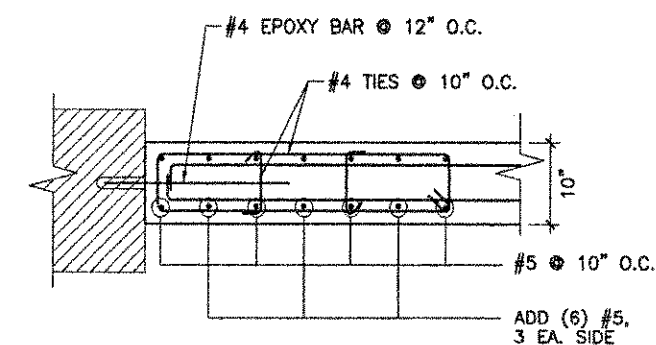


1 ELEVATION @ LINE 2.25
S3.1 SCALE: 1/8" = 1'-0"

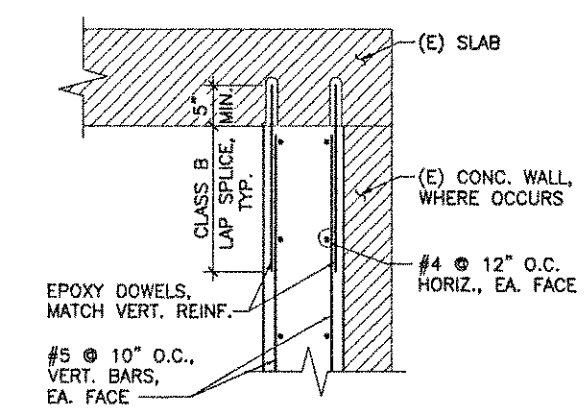


2 ELEVATION @ LINE 7
S3.1 SCALE: 1/8" = 1'-0"

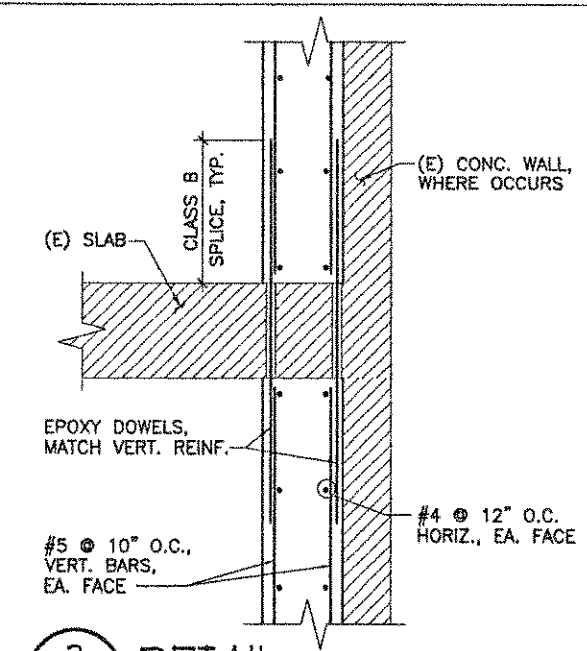




1
S4.1 DETAIL
SCALE: 1" = 1'-0"

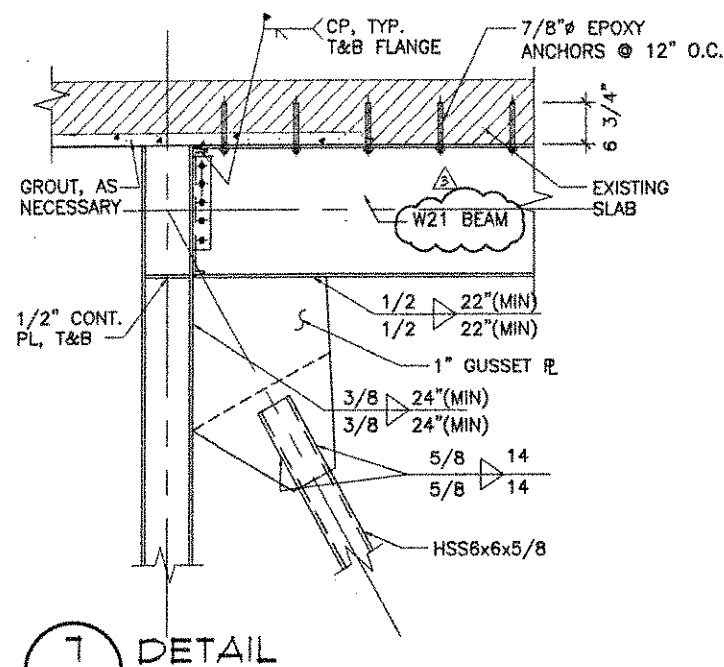


2
S4.1 DETAIL
SCALE: 1" = 1'-0"

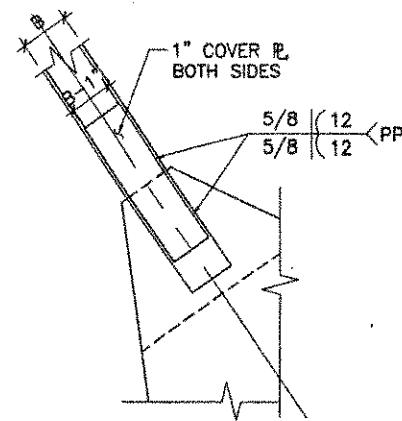


3
S4.1 DETAIL
SCALE: 1" = 1'-0"

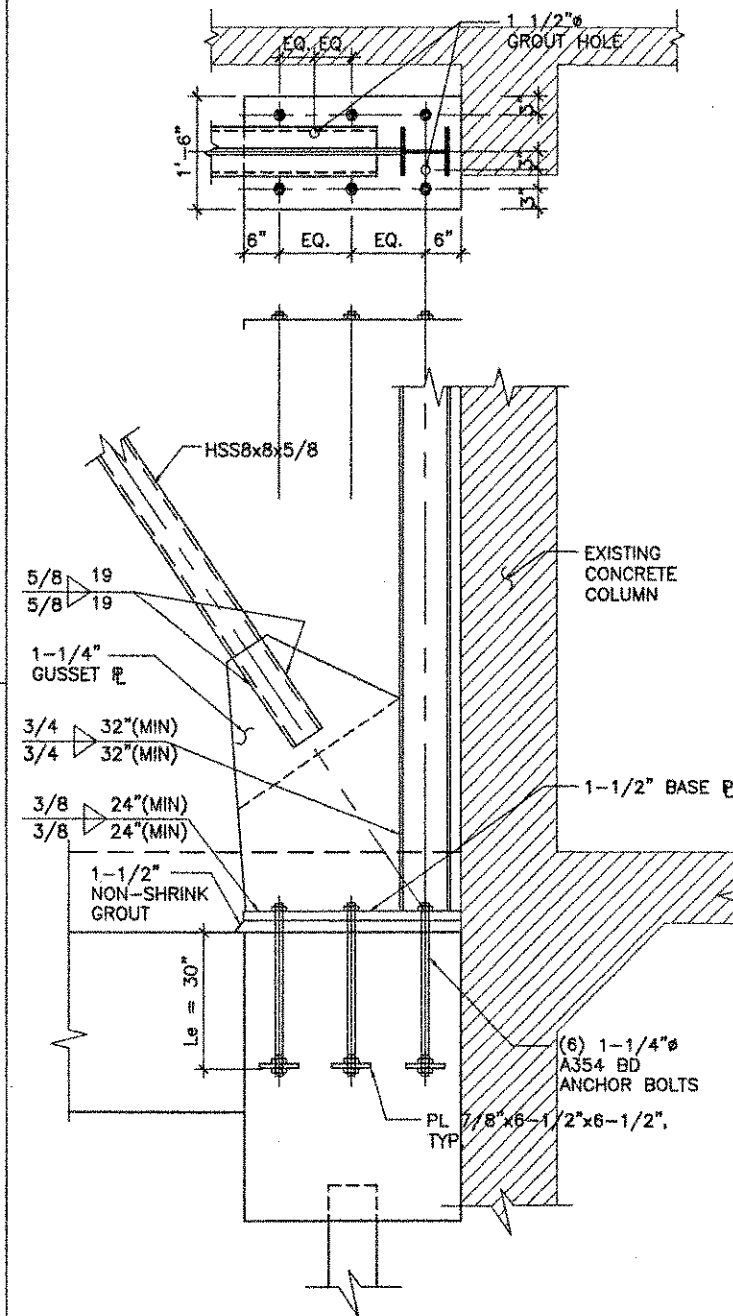




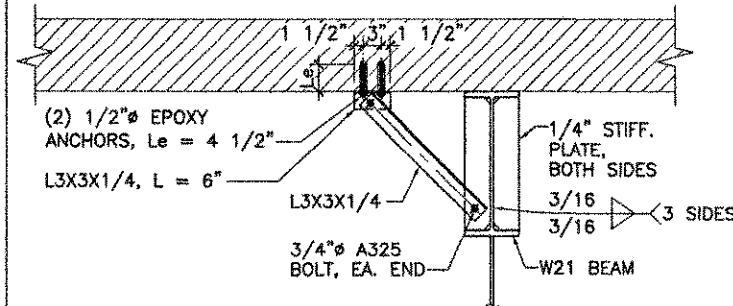
7 DETAIL
S5.1 SCALE: 3/4" = 1'-0"



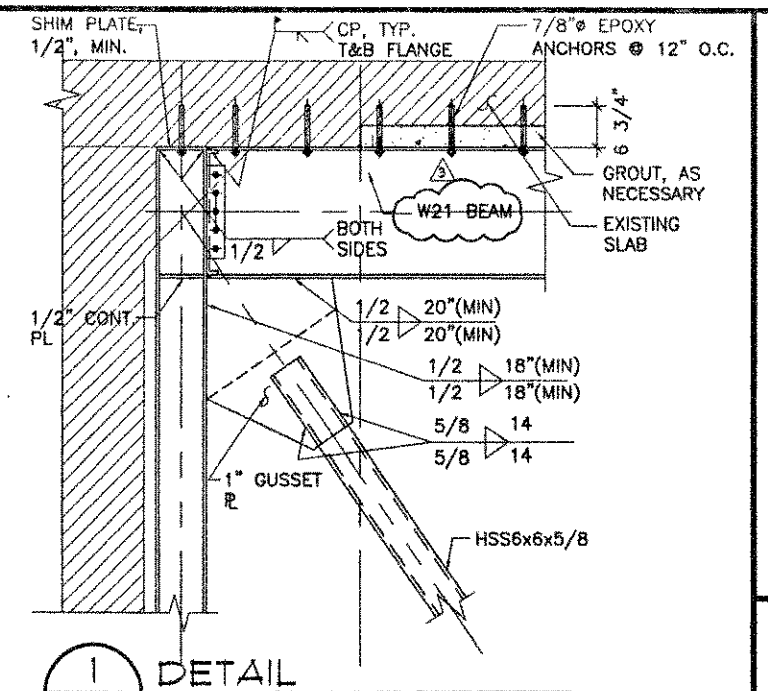
5 TYP. COVER PLATE DETAIL
S5.1 SCALE: 3/4" = 1'-0"



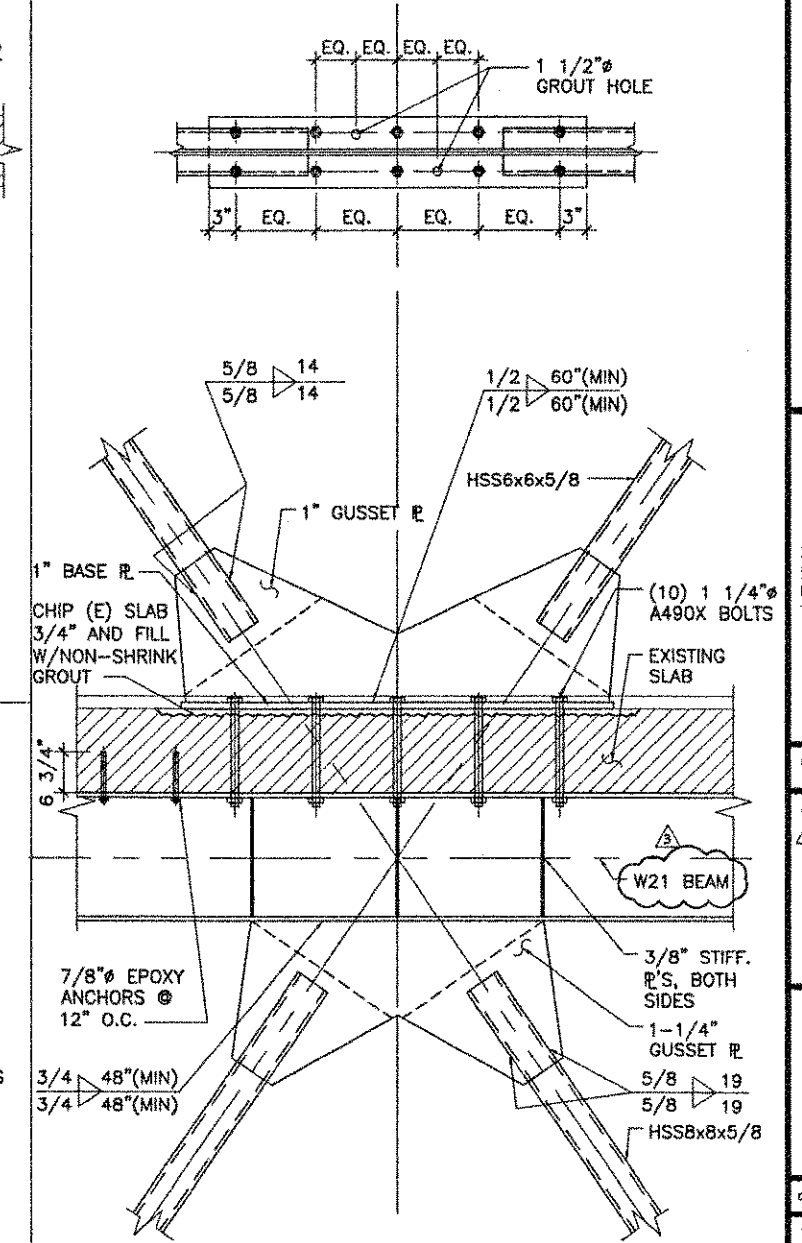
3 DETAIL
S5.1 SCALE: 3/4" = 1'-0"



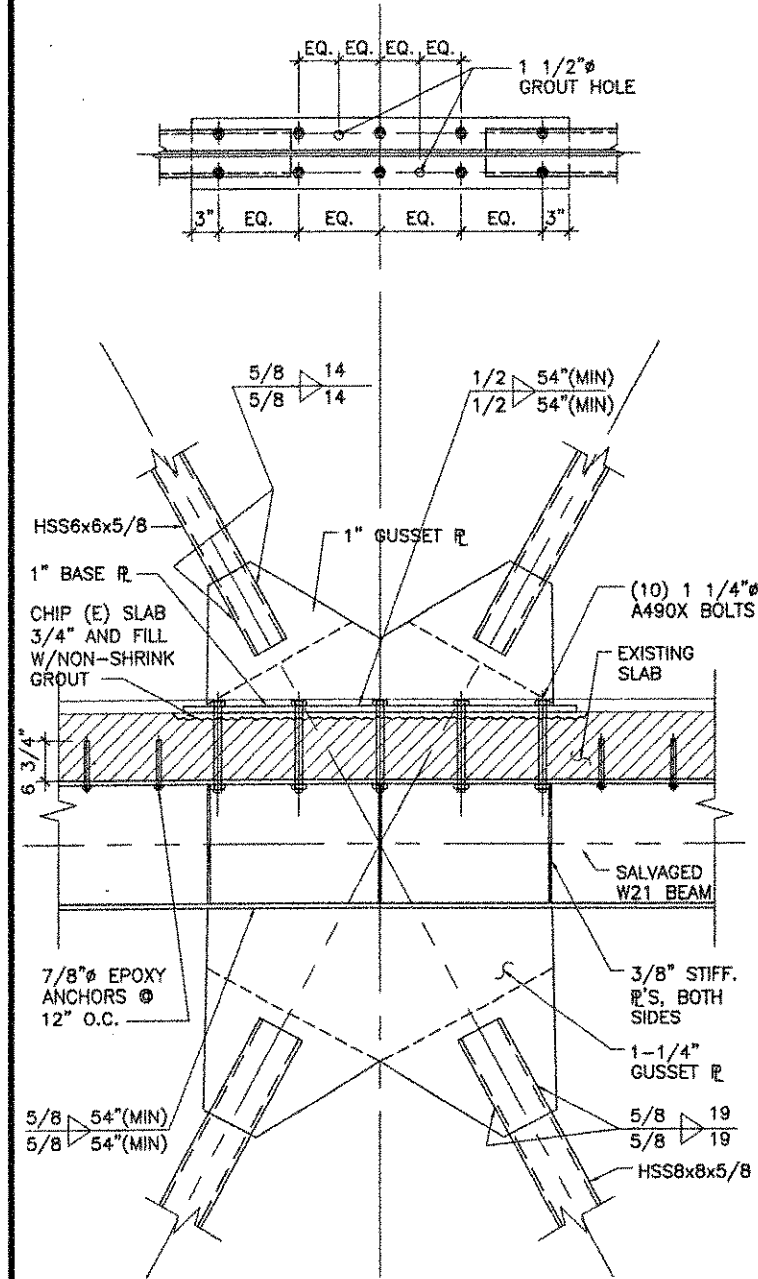
4 DIAG. BRACE DETAIL
S5.1 SCALE: 3/4" = 1'-0"



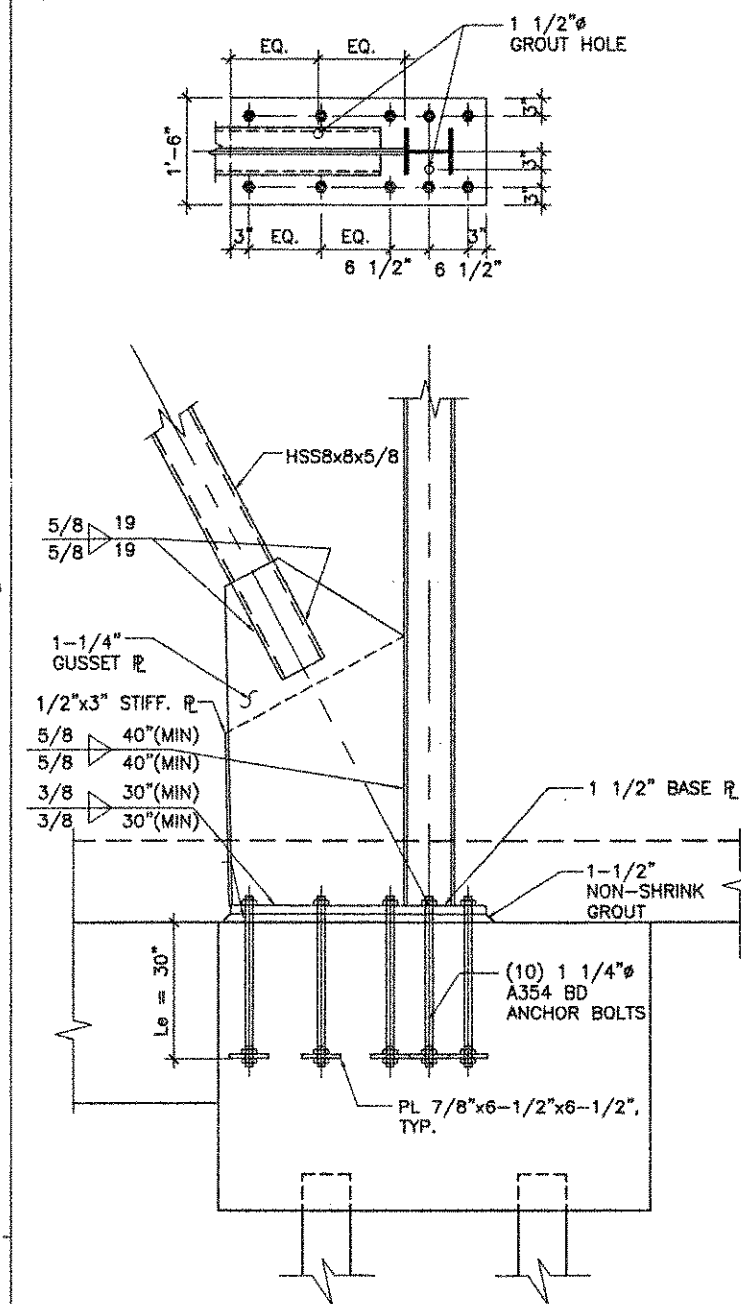
1 DETAIL
S5.1 SCALE: 3/4" = 1'-0"



2 DETAIL
S5.1 SCALE: 3/4" = 1'-0"

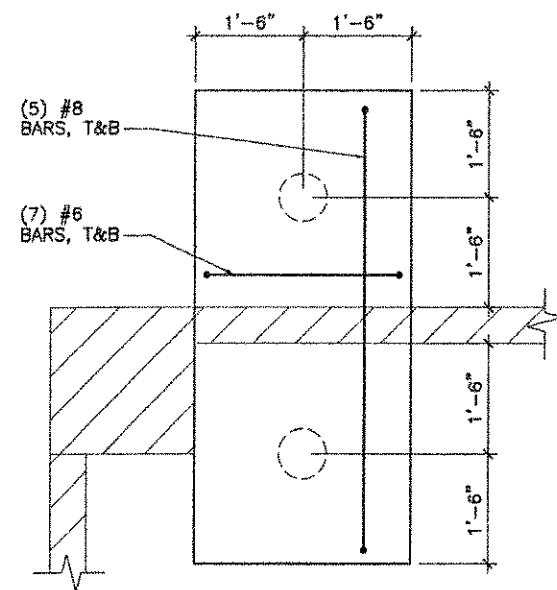


8 DETAIL
S5.1 SCALE: 3/4" = 1'-0"

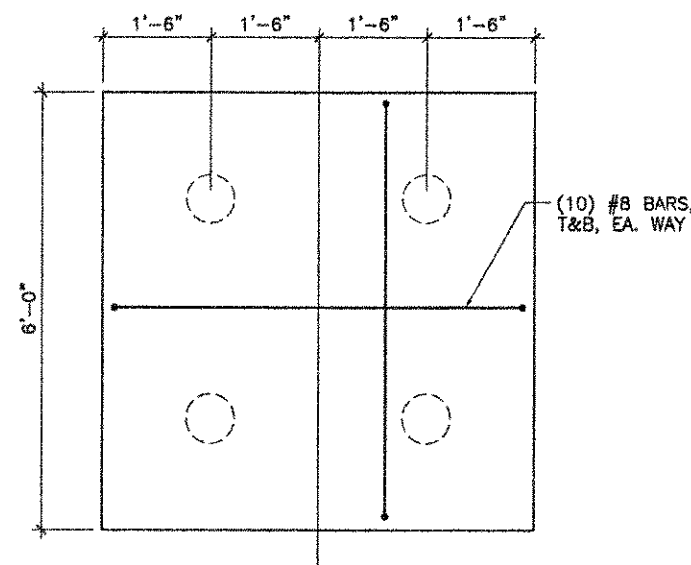


6 DETAIL
S5.1 SCALE: 3/4" = 1'-0"

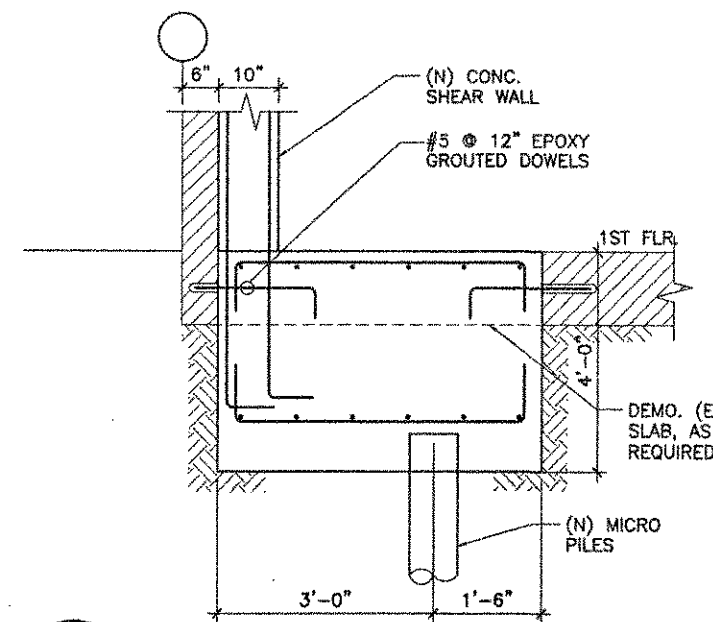




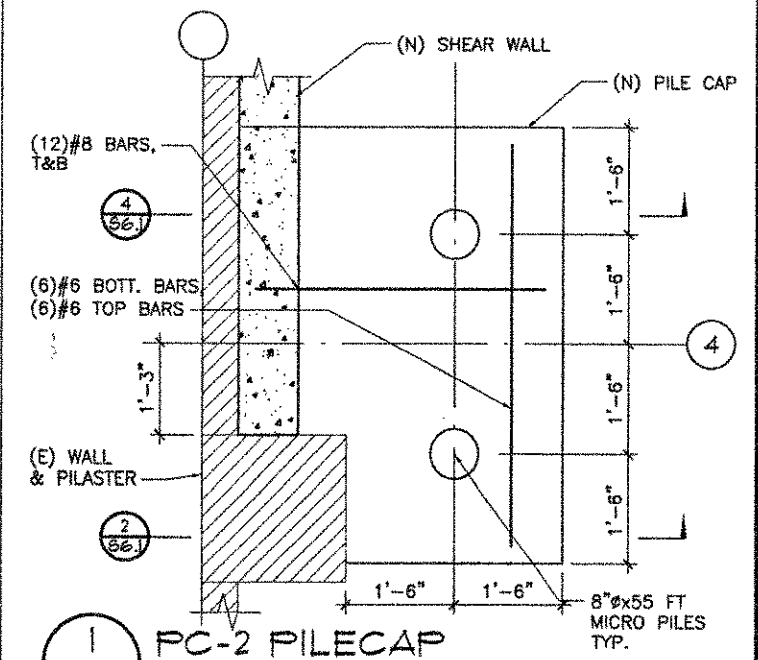
10 PC-2A PILECAP
56.1 SCALE: 3/4" = 1'-0"



7 PC-4 PILECAP
36.1 SCALE: 3/4" = 1'-0"



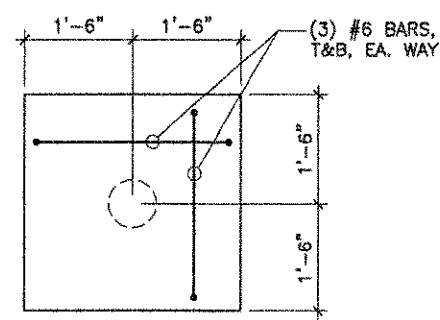
4 PC-2 SECTION
56.1 SCALE: 3/4" = 1'-0"



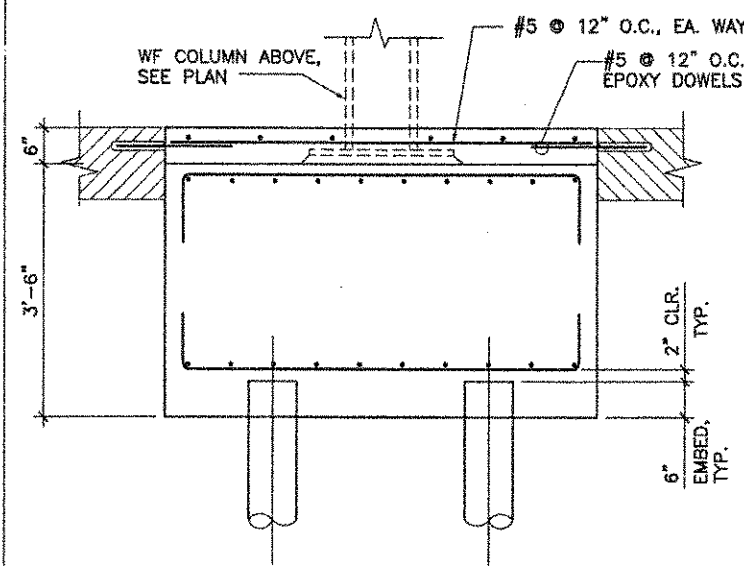
1
56.1

PC-2 PILECAP

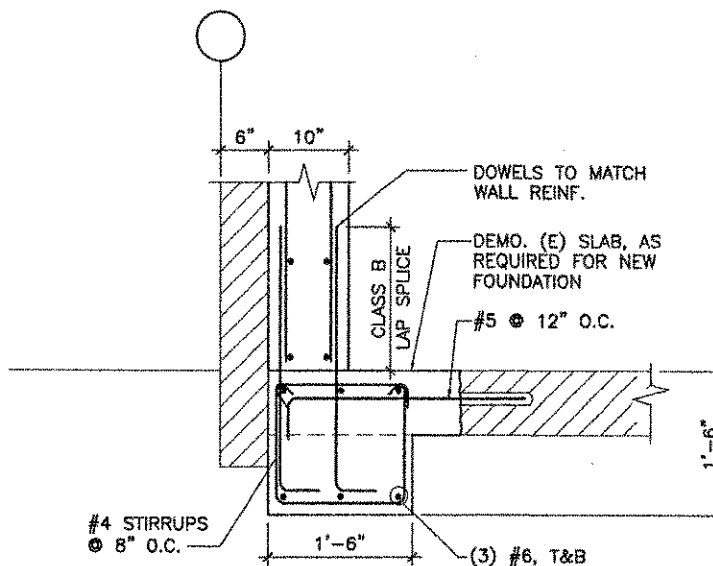
SCALE: 3/4" = 1'-0"



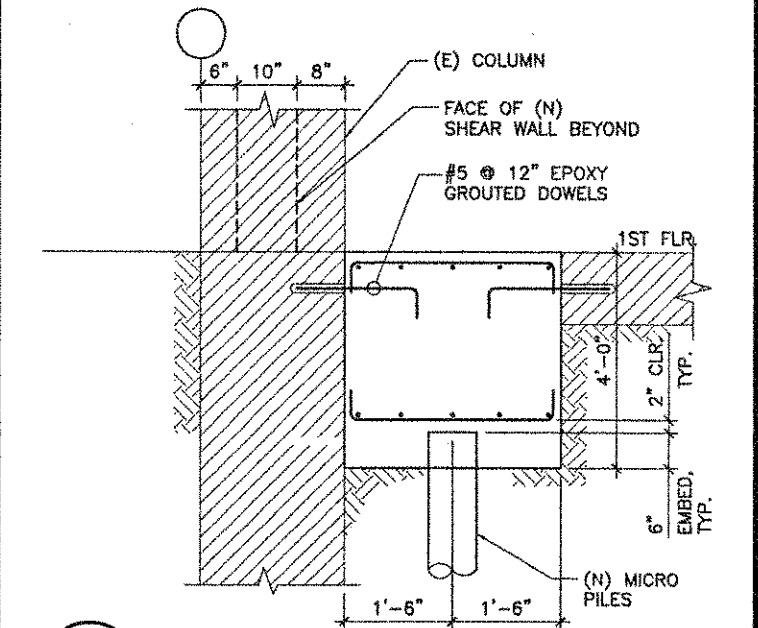
11 PC-1 PILECAP
56.1 SCALE: 3/4" = 1'-0"



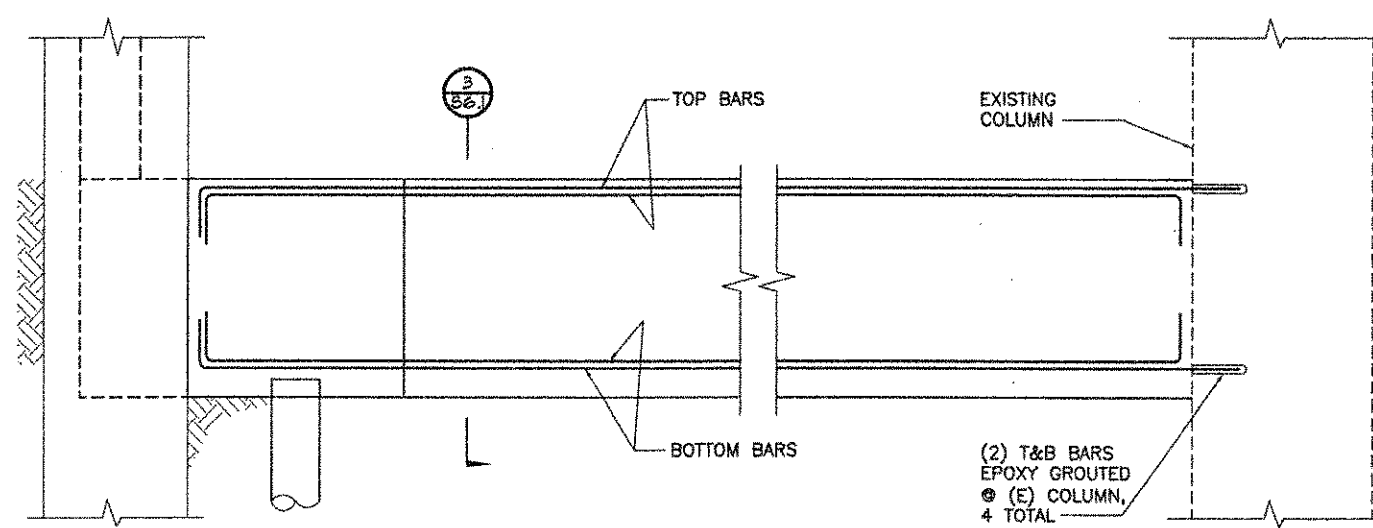
8 TYP. PILECAP SECTION
56.1 SCALE: 3/4" = 1'-0"



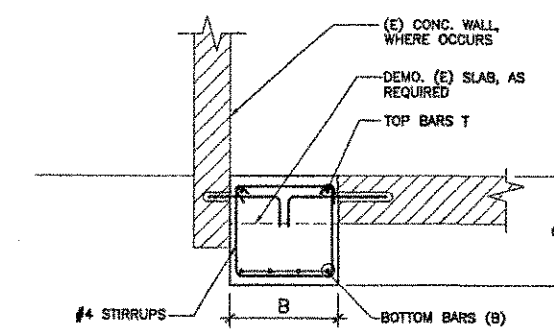
5 GBI SECTION
36.1 SCALE: 1" = 1'-0"



2 PC-2 SECTION
36 SCALE: 3/4" = 1'-0"

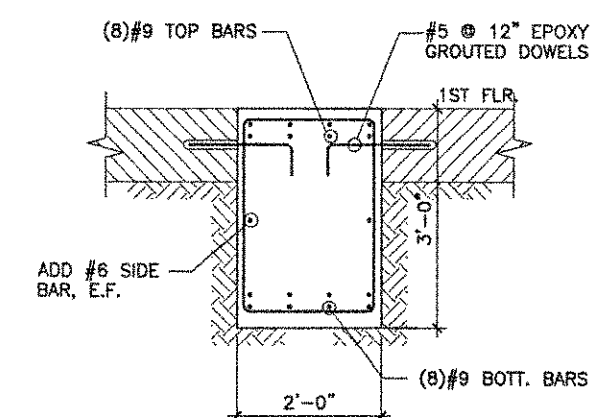


9 GB3 ELEVATION
56.1 SCALE: 3/4" = 1'-0"

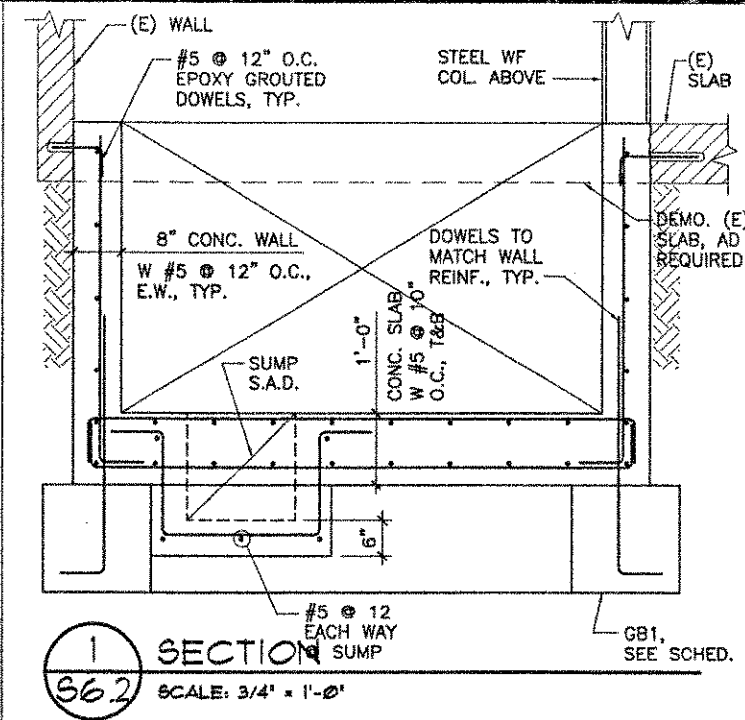


ID	B	D	TOP BARS(T)	BOTTOM BARS(B)	STIRRUP SPACING	DETAIL
GB1	18"	18"	(3) #8	(3) #8	8" O.C.	5/S&1
GB2	24"	24"	(4) #9	(4) #9	10" O.C.	-
GB3	24"	36"	(8) #9	(8) #9	16" O.C.	3/S&1
GB4	24"	36"	(4) #9	(4) #9	16" O.C.	-

6 TYP. GB SECTION & SCHEDULE
S6.1 SCALE: 3/4" = 1'-0"



3 GB3 SECTION
56 SCALE: 3/4" = 1'-0"



OLMM Consulting Engineers
1404 Franklin Street, Suite 350
Oakland, California 94612



REGISTERED PROFESSIONAL ENGINEER
SE-2948
8-07
STRUCTURAL
STATE OF CALIFORNIA

1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION
AND SEISMIC IMPROVEMENTS
FOUNDATION DETAILS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

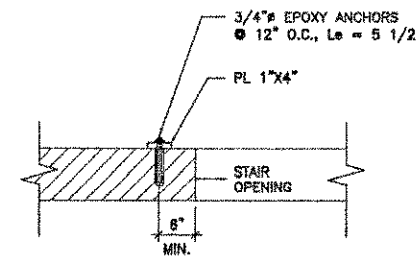
PERMIT SET

REVISIONS
A ADDM. 3 03-13-06

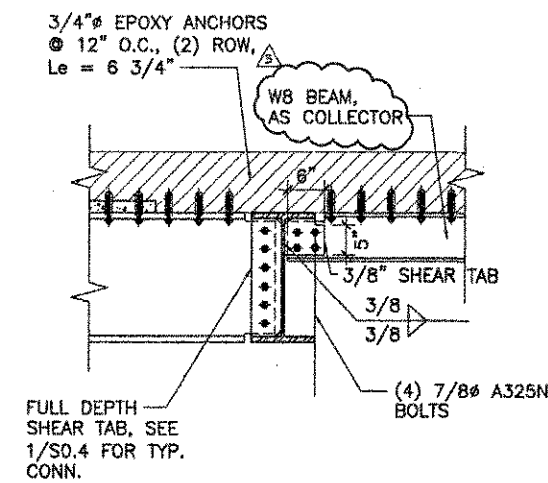
UNLESS COPYRIGHT 2006

DATE 01-09-06
DRAWN BY AC
JOB NO. 0008

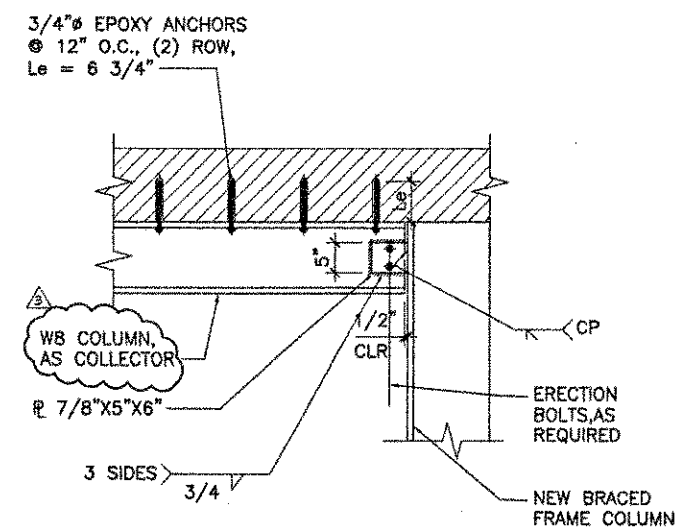
S6.2



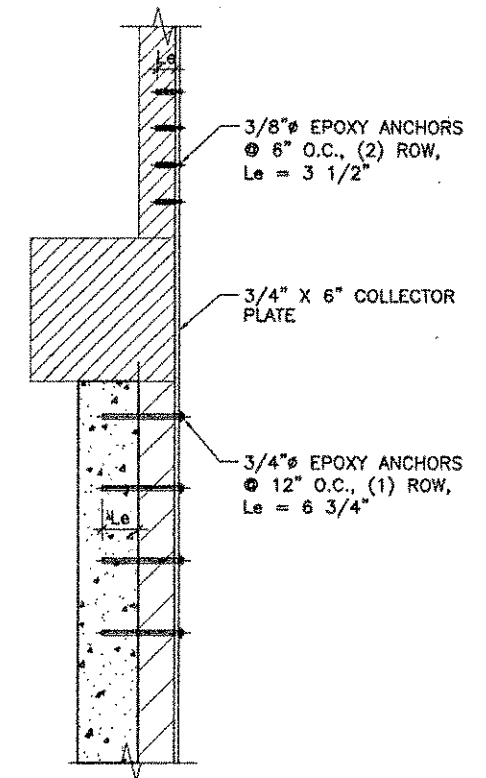
4 COLLECTOR DETAIL @ ROOF
 S7.1 SCALE: 1' = 1'-0"



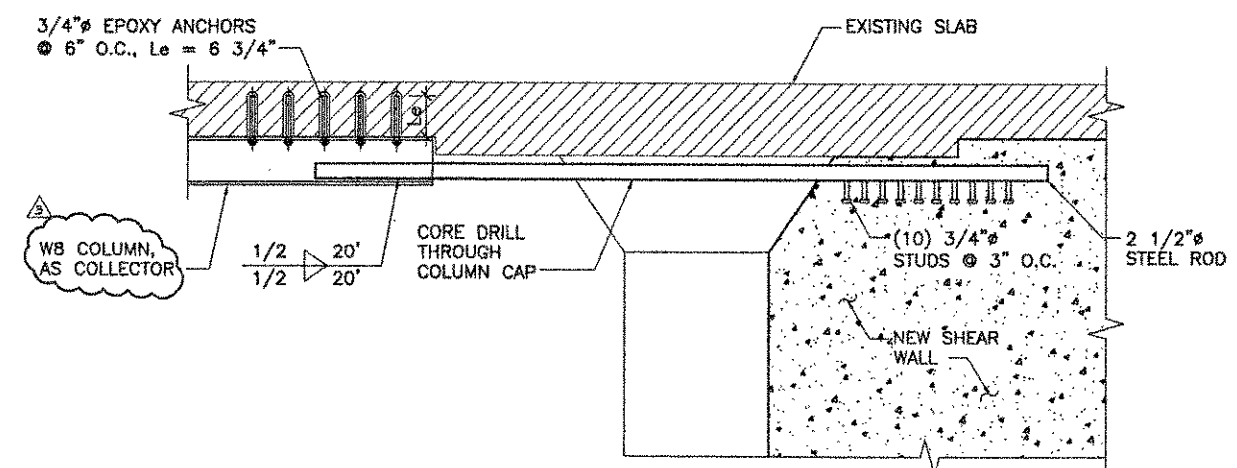
3 DETAIL
 S7.1 SCALE: 3/4' = 1'-0"



4 COLLECTOR DETAIL LINE 2.25
 S7.1 SCALE: 3/4' = 1'-0"

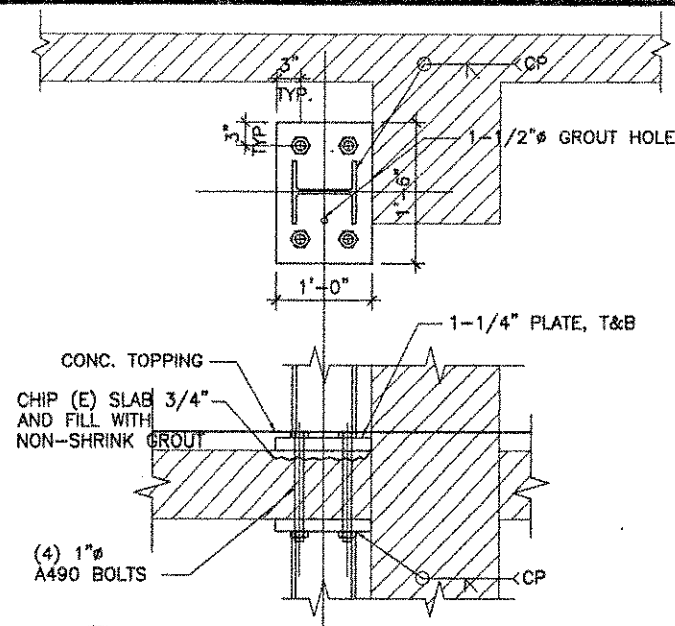


1 COLLECTOR DETAIL LINE A
 S7.1 SCALE: 3/4' = 1'-0"

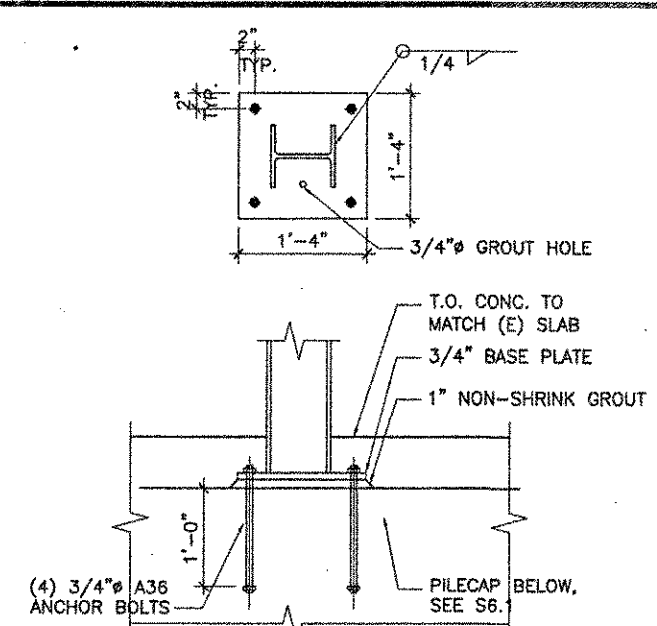


2 COLLECTOR DETAIL LINE C
 S7.1 SCALE: 3/4' = 1'-0"

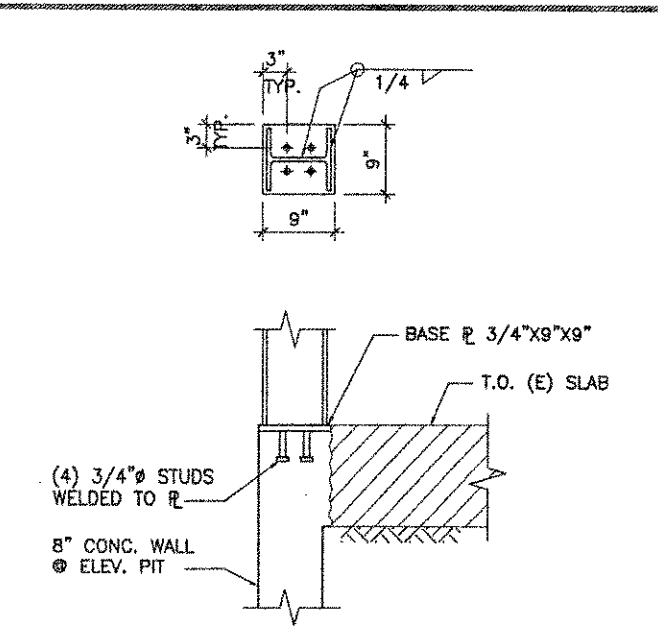




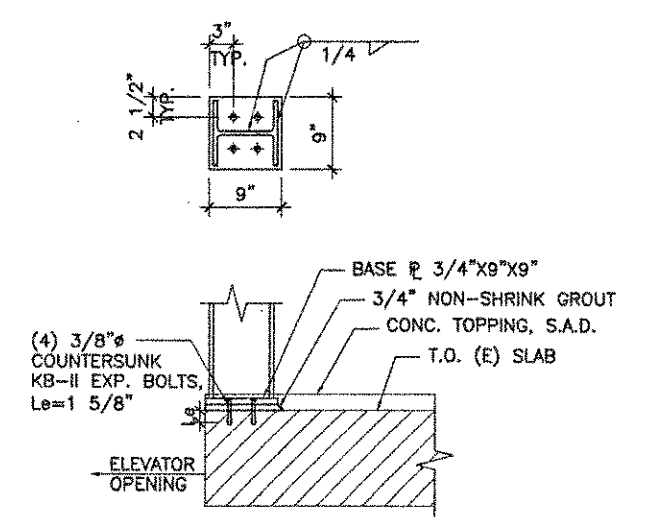
7 DETAIL
 SCALE: 1" = 1'-0"



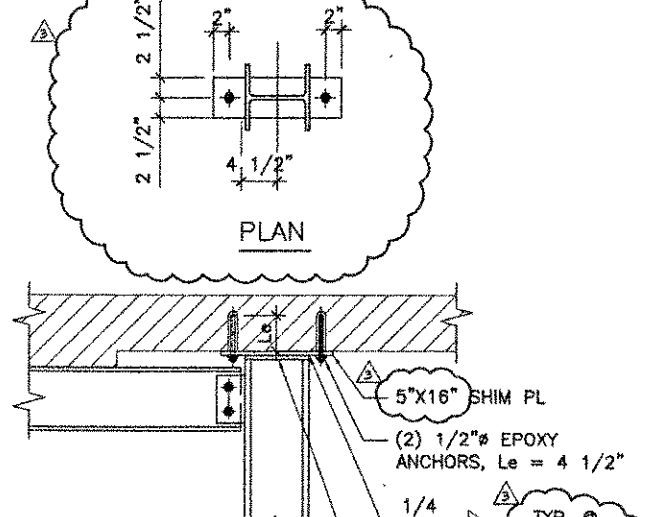
4 DETAIL
 SCALE: 1" = 1'-0"



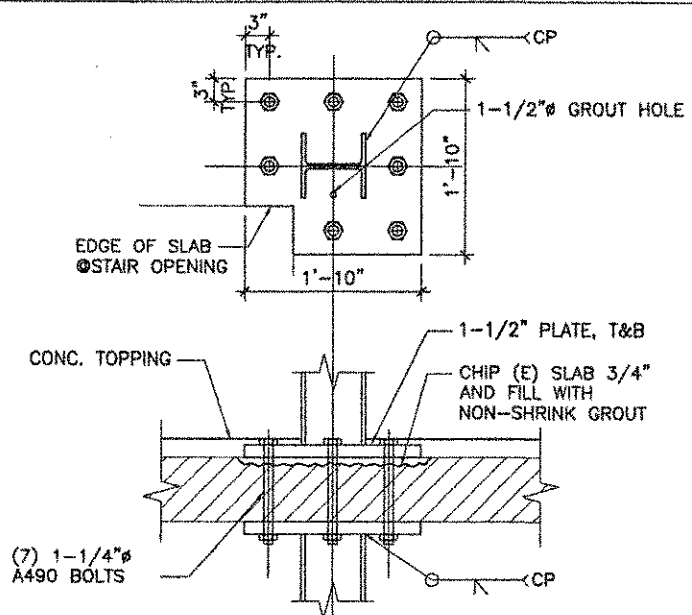
1 DETAIL
 SCALE: 1" = 1'-0"



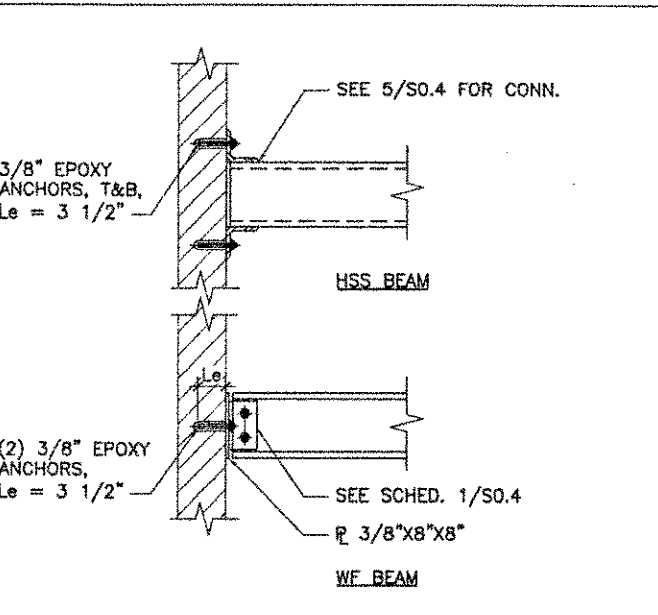
5 DETAIL
 SCALE: 1" = 1'-0"



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



6 DETAIL
 SCALE: 1" = 1'-0"



3 DETAIL
 SCALE: 1" = 1'-0"

A		L	
ACFM	ACTUAL CUBIC FEET PER MINUTE	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LWT	LEAVING WATER TEMPERATURE
AL	ALUMINUM	LB	POUND WEIGHT
ARCH	ARCHITECTURAL	LAV	LAVATORY
ACU	AIR CONDITIONING UNIT		
AD	AIR DRYER		
AH	AIR HANDLER		M
AW	ACID WASTE	MAX	MAXIMUM
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MAU	MAKEUP AIR UNIT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MBH	THOUSAND BTU PER HOUR
		MIN	MINIMUM
		MFR	MANUFACTURER
		MS	MOP SINK
B			N
BHP	BRAKE HORSEPOWER	(N)	NEW
BM	BEAM	NC	NORMALLY CLOSED
BOD	BOTTOM OF DUCT	NIC	NOT IN CONTRACT
BOP	BOTTOM OF PIPE	NO	NORMALLY OPEN
BOS	BOTTOM OF STEEL	NTS	NOT TO SCALE
BTU	BRITISH THERMAL UNITS	N/A	NOT APPLICABLE
BO	BOILER	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BLDG	BUILDING	NPT	NATIONAL PIPE THREAD
		NG	NATURAL GAS
C		NPS	NATIONAL PIPE SIZE
CS	CARBON STEEL		O
C	COMPRESSOR	OPNG	OPENING
CFM	CUBIC FEET PER MINUTE	OSA	OUTSIDE AIR
CLG	CEILING	OD	OUTSIDE DIAMETER
CC	COOLING COIL	OS&Y	OUTSIDE SCREW AND YOKE
CH	CHILLER		P
CT	COOLING TOWER	POC	POINT OF CONNECTION
CU	COPPER	PSI	POUNDS PER SQUARE INCH
CV	CONSTANT VOLUME TERMINAL UNIT	PSIA	PSI - ABSOLUTE
CL	CENTER LINE	PSIG	PSI - GAUGE
COL	COLUMN	PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT	P	PUMP
CONC	CONCRETE	PF	PREFILTER
CONT	CONTINUATION		Q
CI	CAST IRON	QTY	QUANTITY
CW	COLD WATER		R
CMC	CALIFORNIA MECHANICAL CODE	RAH	RECIRC AIR HANDLER
CBC	CALIFORNIA BUILDING CODE	RC	REHEAT COIL
		REF	ROOF EXHAUST FAN
D		(R)	REMOVE
DB	DRY BULB	(RL)	RELOCATE
DIA	DIAMETER	RD	ROOF DRAIN
DN	DOWN	RDO	OVERFLOW DRAIN
DWG	DRAWING	RDPFP	REDUCED PRESSURE BACKFLOW PREVENTER
DH	DEHUMIDIFIER		S
DI	DUCTILE IRON	SC	SCRUBBER
DM	DIMENSION	SCFM	STANDARD CUBIC FEET PER MINUTE
DF	DRINKING FOUNTAIN	SD	SMOKE DETECTOR
DS	DOWN SPOUT	SIM	SIMILAR
		SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
(E)	EXISTING	SPEC(S)	SPECIFICATION(S)
(ER)	EXISTING TO BE RELOCATED	STD(S)	STANDARD(S)
EAT	ENTERING AIR TEMP.	SS	STAINLESS STEEL
EL	ELEVATION	ST	SOUND ATTENUATOR TRAP
ELEC	ELECTRICAL	SWEF	SMOKE EXHAUST FAN
EWT	ENTERING WATER TEMP.	ST	SOUND ATTENUATOR TRAP
EXH	EXHAUST	SCHD	SCHEDULE
EF	EXHAUST FAN	SL	SLOPE
EW	EMERGENCY EYEWASH		T
EW	ELECTRIC WATER COOLER	TOS	TEMPERATURE INDICATOR
EE/S	EMERGENCY EYEWASH/SHOWER	TE	TEMPERATURE ELEMENT
ET	EXPANSION TANK	TEMP	TEMPERATURE
		TYP	TYPICAL
(F)	FUTURE	TOP	TOP OF PIPE
FI	FILTER	TP	TRAP PRIMER
FLR	FLOOR	TDS	TOTAL DISSOLVED SOLIDS
F0B	FLAT ON BOTTOM		U
FOT	FLAT ON TOP	UR	URINAL
FBM	FEET PER MINUTE	UH	UNIT HEATER
FC	FEASIBLE CONNECTION	UNO	UNLESS NOTED OTHERWISE
FCU	FAN COIL UNIT		V
FF	FINAL FILTER	V	VOLTS
FA	FIRE ALARM	VFD	VARIABLE FREQUENCY DRIVE
FFE	FINISHED FLOOR ELEVATION	VV	VARIABLE VOLUME TERMINAL UNIT
FM	FLOW METER	VVR	VARIABLE VOLUME UNIT WITH REHEAT
FT	FEET	VTR	VENT THRU ROOF
FCO	FLOOR CLEANOUT	VERT	VERTICAL
FD	FLOOR DRAIN	VB	VACUUM BREAK
FS	FLOW SWITCH		W
		WT	WEIGHT
G		WB	WET BULB
GALV	GALVANIZED STEEL	W/O	WITHOUT
GPM	GALLONS PER MINUTE	W	WIDTH
GPH	GALLONS PER HOUR	WLD	WELDED
GR	GRADE	WC	WATER CLOSET
		WH	WATER HEATER
H			
HP	MOTOR HORSEPOWER		
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		
HC	HEATING COIL		
HX	HEAT EXCHANGER		
HORIZ	HORIZONTAL		
HB	HOSE BIBBS		
HD	HEAD FEET OF WATER		
HW	HOT WATER		
I			
ID	INSIDE DIAMETER		
IN.	INCHES		
K			
KW	KILOWATT		

SYMBOL (DOUBLE LINE)	DESCRIPTION	SYMBOL (SINGLE LINE)	SYMBOL (DOUBLE LINE)	DESCRIPTION	SYMBOL (SINGLE LINE)
	FLEXIBLE CONNECTION			TRANSITION	
	FLEXIBLE DUCT RUNOUT TO DIFFUSER			FLARED TAKEOFF (RECTANGULAR DUCT)	
	DUCT SIZE (WIDTH X DEPTH)			SPIN-IN FITTING W/VD (ROUND BRANCH TAKEOFF FROM RECTANGULAR MAIN)	
	DUCT THROUGH BEAM PENETRATION			45° LATERAL TAKEOFF (ROUND/OVAL DUCT) COULD BE ANY ANGLE	
	DUCT OFFSET (RISE OR DROP)			90° LATERAL TAKEOFF (ROUND/OVAL DUCT)	
	VOLUME DAMPER			VARIABLE ANGLE CONICAL TAKEOFF 90° TAKEOFF W/BOOT FITTING (ROUND DUCT)	
	SPLITTER DAMPER			END CAP	
	EXTRACTOR DAMPER			RECTANGULAR MITERED ELBOW WITH TURNING VANES	
	FIRE, SMOKE OR FIRE-SMOKE DAMPER			ACOUSTICAL LINING DUCT DIMENSION IS I.D.	
	SUPPLY DUCT UP			MOTORIZED DAMPER (PARALLEL OR OPPOSED BLADE)	
	SUPPLY DUCT DOWN			TRANSFER DUCT	
	EXHAUST DUCT UP			INDICATES 8'11" TO BOTTOM OF DUCT	
	EXHAUST DUCT DOWN			CEILING SUPPLY DIFFUSER, SEE SCHEDULE. A=TYPE, X=NECK SIZE Y=CFM	
	RETURN DUCT UP			CEILING RETURN REGISTER, SEE SCHEDULE SCHEDULE. A=TYPE, X=NECK SIZE Y=CFM	
	RETURN DUCT DOWN			CEILING EXHAUST REGISTER, SEE SCHEDULE SCHEDULE. A=TYPE, X=NECK SIZE Y=CFM	
	CROSS SECTION OF EXHAUST AIR DUCT			WALL SUPPLY GRILLE OR WALL REGISTER SEE SCHEDULE, A=TYPE, X=SIZE Y=CFM	
	CROSS SECTION OF RETURN AIR DUCT			WALL RETURN REGISTER SEE SCHEDULE, A=TYPE, X=SIZE Y=CFM	
	CROSS SECTION OF ROUND DUCT			LINEAR SLOT DIFFUSER, "A" INDICATES SIZE	
	CROSS SECTION OF SUPPLY DUCT			SUPPLY AIR LIGHT TROFFER DIFFUSER	
	DUCT ELBOW WITH TURNING VANES				
	DUCT ELBOW WITHOUT TURNING VANES				

[illegible]

1. ALL REQUIREMENTS IN THE BOOK OF SPECIFICATIONS ARE PART OF THIS CONTRACT. REFER TO THE SPECIFICATIONS FOR INFORMATION NOT SHOWN ON THE DRAWINGS.
2. ALL WORK SHALL BE IN FULL ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST TITLE 24 CALIFORNIA CODE OF REGULATIONS, INCLUDING BUT NOT LIMITED TO: CALIFORNIA BUILDING CODE (PART 2), CALIFORNIA ELECTRIC CODE (PART 3), CALIFORNIA MECHANICAL CODE (PART 4), CALIFORNIA PLUMBING CODE (PART 5), CALIFORNIA ENERGY CODE (PART 6), CALIFORNIA FIRE CODE (PART 9).
3. ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE FOLLOWING CODES, REGULATIONS AND STANDARDS: STATE FIRE MARSHALL REGULATIONS; THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY; THE NATIONAL ELECTRIC CODE (NEC); THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA); AMERICAN GAS ASSOCIATION (AGA); OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA); AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE); AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI); AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME); SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA); AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM); INSTALLATION STANDARDS PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS (IAPMO) AND OTHER APPLICABLE LAWS, CODES, OR REGULATIONS. NOTHING IN THESE PERFORMANCE SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES, REGULATIONS AND STANDARDS.
4. ALL MECHANICAL EQUIPMENT, FIXED OR FLEXIBLY MOUNTED, SHALL BE BRACED OR ANCHORED TO COMPLY WITH THE REQUIREMENTS OF TITLE 24, SECTION 1632A.
5. CONTRACTORS SHALL VISIT SITE AND BE FULLY AWARE OF ALL CONDITIONS PRIOR TO SUBMITTING PROPOSAL.
6. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED FEES, PERMITS AND INSPECTIONS.
7. COORDINATE ALL WORK WITH THE ARCHITECTURAL, STRUCTURAL DRAWINGS AND DRAWING OF OTHER TRADES. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL WORK, STRUCTURAL MEMBERS AND WORK OF OTHER TRADES. NO ITEM SUCH AS PIPE, DUCT, ETC., SHALL BE IN CONTACT WITH ANY EQUIPMENT. ANY ERRORS, OMISSIONS, DISCREPANCIES, DEFICIENCIES, OR CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, THE ARCHITECT AND THE ENGINEER PRIOR TO PROCEEDING WITH ANY AFFECTED WORK.
8. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.
9. COORDINATE ALL CUTTING AND PATCHING WITH THE GENERAL CONTRACTOR. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. OBTAIN WRITTEN PERMISSION FROM THE ARCHITECT BEFORE PROCEEDING WITH ANY CUTTING OR ALTERATION OF STRUCTURAL MEMBERS.
10. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO ENSURE THE INSTALLATION OF COMPLETE AND FULLY FUNCTIONING SYSTEMS.
11. GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR FROM DATE OF FILING NOTICE OF COMPLETION.
12. RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK.
13. CONNECT ALL EQUIPMENT FURNISHED UNDER OTHER TRADES AS SHOWN OR AS REQUIRED.
14. ALL DUCTS CONNECTED TO SUPPLY AND RETURN DIFFUSERS SHALL HAVE A MANUAL VOLUME DAMPER FOR BALANCING. LOCATE DAMPER AS FAR AWAY FROM DIFFUSER AS POSSIBLE, BUT NO FARTHER THAN 20'.
15. PROVIDE TWO SETS OF "AS-BUILT" SEPIAS AND TWO BOUND SETS OF ALL OPERATION MANUALS, DIAGRAMS, SERVICE CONTRACTS, GUARANTEES, ETC., ONE SET SHALL BE DELIVERED TO THE OWNER AND ONE SET TO THE BUILDING OPERATIONS DEPARTMENT.
16. PROVIDE AND COORDINATE WITH THE ARCHITECT THE INSTALLATION OF ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND INSPECTION OF ALL EQUIPMENT AND DEVICES.
17. NOT USED.
18. SUBMIT FOR APPROVAL (6) SETS OF MANUFACTURERS SUBMITTAL DATA ON ALL MATERIALS, EQUIPMENT AND DEVICES.
19. EACH SYSTEM OF PIPING AND DUCTWORK SHALL BE CLEANED OF ALL FOREIGN MATERIAL AND BURRS AND ROUGH SPOTS PRIOR TO BEING PLACED IN SERVICE AND BEFORE OPERATIONAL TESTS ARE PERFORMED.
20. EACH SYSTEM OF PIPING AND DUCTWORK SHALL BE PRESSURE TESTED IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS.
21. GENERAL CONTRACTOR SHALL RETAIN INDEPENDENT TESTING AGENCY FOR TESTING AND BALANCING AIR AND HYDRONIC SYSTEMS. BALANCE AIR FLOW AT ALL OPENINGS TO AIR QUANTITIES INDICATED. BALANCE WATER FLOW AT ALL EQUIPMENT TO GPM INDICATED. AGENCY SHALL BE MEMBER OF AABC OR NEBB. SUBMIT FINAL BALANCE REPORT FOR REVIEW.
22. DURING ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL MAINTAIN ADEQUATE FIRE EXTINGUISHERS AT THE SITE, RELAY FOR USE IN CASE OF FIRE.
23. CONTRACTOR SHALL PROTECT THE PUBLIC FROM INJURY DURING THE PROCESS OF WORK BY POSTING WARNING SIGNS, AND INSTALLING GUARD LIGHTS AND BARRICADES.
24. ALL DUCTS, PIPES AND EQUIPMENT SHALL BE CONCEALED ABOVE CEILING, UNLESS OTHERWISE NOTED.
25. MAXIMUM ALLOWABLE LENGTH OF FLEXIBLE DUCT: 5'-0".
26. SEAL AROUND ALL PIPES AND DUCTS PENETRATING FIRE SEPARATIONS WITH NON-COMBUSTIBLE PACKING RETAINED BY METAL COLLARS. THE ASSEMBLY SHALL BE APPROVED BY STATE FIRE MARSHALL.
27. CONNECTION BETWEEN COPPER AND IRON OR STEEL PIPE SHALL BE MADE WITH DIELECTRIC ISOLATING UNION OR WATERWAYS.
28. ALL DUCTS PASSING THRU FIRE WALLS SHALL HAVE DAMPERS THAT COMPLY WITH UL STANDARDS 555 AND 555S AND STATE FIRE MARSHAL.
29. NOT USED.
30. NOT USED.
31. NOT USED.
32. NOT USED.
33. NOT USED.
34. PROVIDE REMOTE EXTENDED LUBRICATING FITTINGS FOR ALL SYSTEMS SO THAT LUBRICATION CAN BE ACCOMPLISHED WITHOUT OPENING PLenum DOORS OR EQUIPMENT ACCESS PANELS.
35. NOT USED.
36. INSTALL ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR. PROVIDE AND INSTALL ALL NECESSARY OFFSETS TO MAINTAIN MINIMUM 7" CLEARANCE ABOVE FINISHED CEILING WHERE POSSIBLE.

PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE																											
SYMBOL	MANUFACT. MODEL	TYPE	SERVICE	COMPRESSOR COOLING PERFORMANCE							ARI EER/SEER	ECONOMIZER FAN PERFORMANCE		HEATING OUTPUT (MBH)	FILTERS				SUPPLY FAN			ELECTRICAL				OPER WGT (LBS)	REMARKS
				SUPPLY FLOW RATE (CFM)	ESP (IN WC)	EDB (°F)	EWB (°F)	SENSIBLE CAPACITY (NET MBH)	LDB (°F)	DESIGN OAT (°F)		FLOW RATE (CFM)	ESP (IN WC)		FINAL FILTER TYPE	THICKNS	PRE FILTER TYPE	THICKNS	HP	RPM	QTY	FLA	MCA	MOC	VOLT/PH		
AC 1	AAON RMxxx	PACKAGED ROOFTOP UNIT	2ND FLOOR EXTERIOR	6100	0.8	75.0	61.2	135.3		89	10.8	6100	0.8	132.2	PLEATED MERV 13	4"	MERV 8	1"	7.5	1760	1	21	21	21	208/3	1294	①②③ ⑥⑦⑧ ⑩⑪⑬⑭
AC 2	AAON RM-006	PACKAGED ROOFTOP UNIT	1ST FLOOR BOARD/TRAINING RM	2590	0.8	79.8	63.5	71.8		89	11.8	2900	0.8	94.5	PLEATED MERV 13	4"	MERV 8	1"	3	1760	1	34	39	50	208/3	953	①②③ ⑥⑦⑧⑨ ⑪⑬⑭
AC 3	AAON RM-A06	PACKAGED ROOFTOP UNIT	1ST FLOOR EXTERIOR	1595	0.7	74.7	60.8	38.5		89	11.8	1595	0.7	51.2	PLEATED MERV 13	4"	MERV 8	1"	3	1760	1	23	26	35	208/3	912	②③ ⑥⑦⑧⑨ ⑪⑬⑭
AC 4	AAON RM-A01	PACKAGED ROOFTOP UNIT	1ST FLOOR MEETING RM 2ND FLOOR INTERIOR	710	0.5	78.3	63.5	16.3		89	12.8	990	0.5	NONE	PLEATED MERV 13	4"	MERV 8	1"	1	1760	1	21	24	30	208/1	777	②③ ⑥⑦⑧ ⑪⑬⑭
AC 5	AAON RM002 (FUTURE OPTION)	PACKAGED ROOFTOP UNIT	EAST SIDE ROOMS 201, 202, 203	750				18.1						16.0										208/3	777	②③ ⑥⑦⑧⑨ ⑪⑬⑭	

- ① DUCT SMOKE DETECTOR.
② VARIABLE SPEED FAN.
③ CO₂ CONTROLS SHALL VARY OUTDOOR AIRFLOW BASED ON CO₂ SENSOR.
- ④ NOT USED.
⑤ NOT USED.
⑥ INTERNALLY ISOLATED FAN & COMPRESSOR.
- ⑦ INSTALL ONLY MERV 8 FILTERS DURING CONSTRUCTION. AT END OF CONSTRUCTION, REPLACE WITH NEW MERV 8 FILTERS AND INSTALL MERV 13 FILTERS.
⑧ INCLUDE FACTORY--PROVIDED DOWNWARD DISCHARGE ROOF CURB.
⑨ GAS FURNACE, 2 STAGE HEATING, 81% EFFICIENCY.
- ⑩ GAS FURNACE, 4 STAGE HEATING, 81% EFFICIENCY.
⑪ DIGITALLY-CONTROLLED COMPRESSOR UNLOADER, REFRIGERANT: R-22 .
⑫ STANDARD COMPRESSOR CONTROL: REFRIGERANT R-410A
⑬ 100% OSA ECONOMIZER
- ⑭ CONTROL OPTIONS: FURNISH UNIT CONTROL--READY FOR FIELD-MOUNTED CONTROLS, WITH DDC-READY ECONOMIZER ACTUATOR AND COMPRESSOR CONTROLLER (AAON "E" OPTION). FURNISH ECONOMIZER FLOW VELOCITY SENSOR AND CONTROL SYSTEM TO PROVIDE MINIMUM OUTSIDE AIR CFM LIMIT THAT IS INDEPENDENT OF SUPPLY CFM (AAON "F" OPTION). MIN CFM TO BE SET IN THE FIELD.

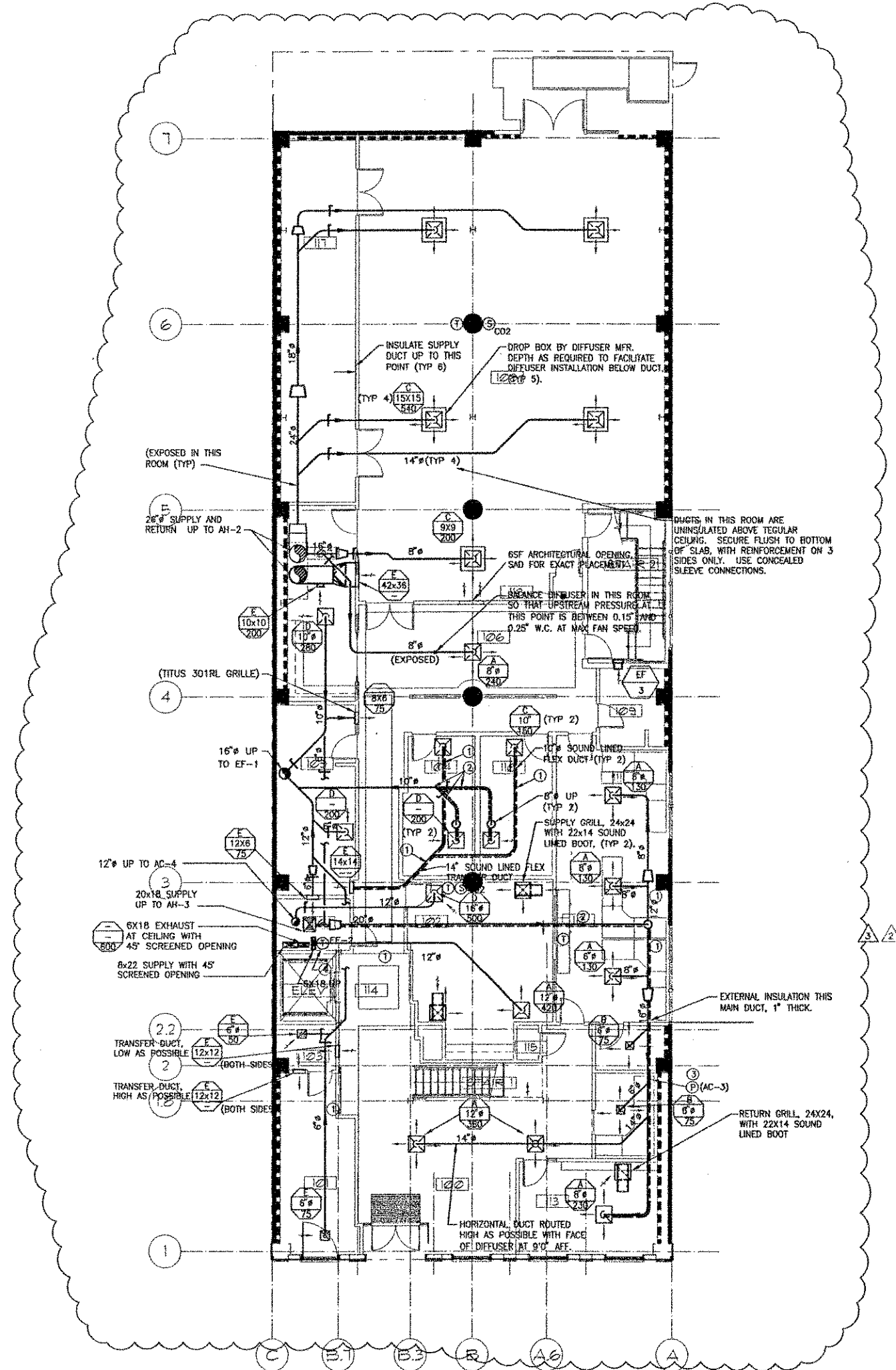
DIFFUSER/GRILLE SCHEDULE					
TAG	TYPE	MFR & MODEL NUMBER	MODULE SIZE	FACE	NOTES
A	CEILING SUPPLY: THERMALLY-POWERED VAV DIFFUSER	ACCUTHERM THERMA-FUSER MODEL ST-HC	24"x24"	SQUARE PANEL	SEE DWG FOR NECK SIZE, NOTE 2
B	CEILING SUPPLY: THERMALLY-POWERED VAV DIFFUSER	ACCUTHERM THERMA-FUSER MODEL TK-HC	12"x12"	SQUARE PANEL	SEE DWG FOR NECK SIZE, NOTE 2
F	LINEAR SIDEWALL SUPPLY: THERMALLY-POWERED VAV DIFFUSER	ACCUTHERM THERMA-FUSER MODEL TLW-CW	PER TAG	LINEAR, 4 SLOTS	SEE DWG FOR MODULE WIDTH, NOTE 2
C	CEILING SUPPLY LOUVERED FACE TYPE	TITUS TDC	24"x24"	SQUARE PANEL	12" SQUARE NECK
D	CEILING RETURN/EXHAUST	TITUS PAR	SEE DWG	PERFORATED	SEE DWG FOR NECK SIZE
E	SIDEWALL EXHAUST/SUPPLY	TITUS 350FL	SEE DWG	35"BLADE, 3/4" SPACING	SEE DWG FOR NECK SIZE. NO OBD, UON

- NOTE:
- DIFFUSERS TO PROVIDE 4-WAY DIFFUSION PATTERN UNLESS OTHERWISE NOTED OR SHOWN ON PLANS.
 - IF THERMAFUSER IS NOT INSTALLED IN CEILING GRID, THEN INSTALL WITH FACE AT 9'-0" AFF, UON.

FAN SCHEDULE																
SYMBOL	MANUFACTURER MODEL	TYPE	LOCATION	SERVICE	AIRFLOW (CFM)	SP (IN WC)	FAN RPM	SONES	ROTATION DISCHARGE ARRGMNT	DRIVE TYPE	FAN MOTOR			VIBRATION ISOLATION	OPER WGT (LBS)	NOTES
											BHP	HP	VOLTAGE/ PHASE/HZ			
EF 1	GREENHECK SWB-12	CENTRIFUGAL UTILITY SET	ROOF	GENERAL EXHAUST	1500	0.15	1650	--	N/A	BELT	0.31	0.5	120/1/60	NONE	170	1.
EF 2	GREENHECK SFD-7.5-B	CENTRIFUGAL UTILITY SET	ROOF	ELEVATOR MACHINE ROOM EXHAUST	600	0.25	1140	9.9	N/A	DIRECT	0.14	1/16	120/1/60	NONE	44	2.
EF 3	GREENHECK SP-B50	CENTRIFUGAL WALL EXHAUST	ROOM 109	JANITOR ROOM EXHAUST	70	0.10	625	1.9	N/A	DIRECT	0.03	0.05 (38 WATTS)	120/1/60	NONE	9	3.

- NOTE:
- FAN CONTROLLED BY LIGHTING CONTROL PANEL TIMER (SED). INSTALL ON ROOF SUPPORTED BY REDWOOD SLEEPERS.
 - FAN CONTROLLED BY LINE VOLTAGE THERMOSTAT SUPPLIED BY MECHANICAL CONTRACTOR. INSTALL ON ROOF WITH FACTORY-FURNISHED ROOF CURB
 - FAN CONTROLLED BY LIGHTING CONTROL PANEL TIMER (SED). INSTALL WITH GREENHECK WL-10x3 WALL LOUVER LOCATED ABOVE FAN.





GROUND FLOOR PLAN

SCALE: 1/8" = 1'-0"
0 5' 10'

SHEET NOTES:

- ① PLACE DUCT LOW AS POSSIBLE ON TOP OF LID.
- ② DUCT LOCATED HIGH AS POSSIBLE NEXT TO SLAB ABOVE.
- ③ PRESSURE SENSOR FOR DUCT STATIC PRESSURE CONTROL.
- ④ LINE VOLTAGE THERMOSTAT FOR EF-2: ELEVATOR MACHINE ROOM COOLING CONTROL SET TSTAT TO TURN FAN ON WHEN ROOM EXCEEDS 88°F.

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.446.2244 FAX: 510.446.2242
kta@karch.com www.karch.com



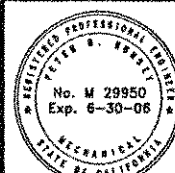
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND SEISMIC IMPROVEMENTS
FLOOR PLANS
GROUND AND MEZZANINE

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADD. 3 03-13-06

© COPYRIGHT 2005



DATE: 03-09-06

DRAWN BY: EH

JOB NO.: 2513

M2.0

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 PERF-1

PROJECT NAME: Alameda County Waste Management Authority
 PROJECT ADDRESS: 777 Davis St. #100 San Leandro
 PRINCIPAL DESIGNER - ENVELOPE: Komorous Towey Architect
 PRINCIPAL DESIGNER - MECH: Komorous Towey Architect
 DOCUMENTATION AUTHOR: Runsey Engineers, Inc.

DATE: 12/12/2005
 BUILDING TYPE: ☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/MOTEL GUEST ROOM
 PHASE OF CONSTRUCTION: ☒ NEW CONSTRUCTION ☐ ADDITION ☐ ALTERATION ☐ EXISTING + ADDITION

STATEMENT OF COMPLIANCE
 This Certificate of Compliance states the building features and performance specifications needed to comply with Title 24, Part 1 and 6 of the California Code of Regulations. This certificate applies only to a building using the performance compliance approach.

DATE: 1/7/06
 SIGNATURE: [Signature]
 I, [Name], Runsey Engineers, Inc., hereby certify that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building as designed meets the energy efficiency requirements contained in sections 110, 116, through 118, and 140, 142, 143 or 148 of Title 24, Part 6.

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

2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code Section 5537.2 or 5737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 5737.1. (These sections of the Business and Professions Code are printed in full in the Northeastern Manual.)

ENVIRONMENTAL INFORMATION
 Indicate location on plans of Note Block for Mandatory Measures:
 Required Form: ENV-1
 PRINCIPAL ENVIRONMENTAL DESIGNER - NAME: Komorous Towey Architect
 SIGNATURE: [Signature]
 DATE: 1/7/06

LIGHTING INFORMATION
 Indicate location on plans of Note Block for Mandatory Measures:
 Required Form: LTG-1, LTG-2, LTG-3, LTG-5
 PRINCIPAL LIGHTING DESIGNER - NAME: ID&A, Inc.
 SIGNATURE: [Signature]
 DATE: 1/7/06

MECHANICAL INFORMATION
 Indicate location on plans of Note Block for Mandatory Measures:
 Required Form: MECH-1, MECH-2, MECH-3, MECH-5
 PRINCIPAL MECHANICAL DESIGNER - NAME: Runsey Engineers, Inc.
 SIGNATURE: [Signature]
 DATE: 1/7/06

Run Initiation Time: 1/17/05 18:20:32 Run Code: 1132021232
 User Number: 4715 Job Number: [Blank] Page: 1 of 26

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 2 of 3 PERF-1

PROJECT NAME: Alameda County Waste Management Authority
 DATE: 12/12/2005

ENERGY COMPONENT	Standard Design	Proposed Design	Compliance Margin
Space Heating	23.3	1.27	22.04
Space Cooling	98.6	45.7	52.9
Indoor Fans	3.75	1.09	2.66
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	2.73	0.00	2.73
Domestic Hot Water	8.72	7.38	1.34
Lighting	71.50	40.36	31.14
Receptacle	63.95	63.95	0.00
Process	0.00	0.00	0.00
TOTALS	243.81	169.87	73.94

Percent better than Standard: 34.5% (34.5% excluding process)

BUILDING COMPLIES

GENERAL INFORMATION
 Building Orientation: (S) 90 deg
 Number of Stories: 3
 Number of Systems: 4
 Number of Zones: 24
 Conditioned Floor Area: 11,354 sq ft
 Unconditioned Floor Area: 647 sq ft
 Conditioned Footprint Area: 5,000 sq ft
 Fuel Type: Natural Gas

Orientation	Gross Area	Gross Area	Gross Area
Front Elevation	(S) 1,270 sq ft	322 sq ft	25.3%
Left Elevation	(S) 2,804 sq ft	0 sq ft	0.0%
Right Elevation	(S) 1,862 sq ft	404 sq ft	21.7%
Roof	(S) 3,599 sq ft	807 sq ft	22.4%
Total	9,535 sq ft	1,533 sq ft	16.1%

Lighting Power Density	Standard	Proposed
Prescriptive Env. Heat Load	1.228 W/sq ft	0.660 W/sq ft
Prescriptive Env. Heat Gain	5.408 Btu/h sq ft	2.880 Btu/h sq ft
Prescriptive Env. Heat Loss	284.884 Btu/h sq ft	173.106 Btu/h sq ft

Remarks:

Run Initiation Time: 1/17/05 18:20:32 Run Code: 1132021232
 User Number: 4715 Job Number: [Blank] Page: 2 of 26

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 PERF-1

PROJECT NAME: Alameda County Waste Management Authority
 DATE: 12/12/2005

System Name	Zone Name	Occupancy Type	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)
Acorn RM Series A 05 - Board	Board Room	Convention/Conference/Meeting	7,200	12,810			
Acorn RM Series A 05 - 1st Fl	Entry Ramp & Lobby	Lobby, Main Entry	978	13,420			
	Trash & Storage	Comp Bldg At Other	230	13,540			
	Electric Room	Electrical, Mechanical Room	45	13,600			
	Restrooms	Convenience/Restroom	53	13,640			
	Mail Center Room	Office	228	13,868			
	Chapel	Religious/Assembly	325	14,193			
	Break Room	Office	200	14,393			
	Storage/Janitor	Office	72	14,465			
	Private Room	Office	48	14,513			
	Open Office 1st Fl	Office	480	15,000			
	Library	Office	104	15,104			
	Hall	Convenience/Restroom	85	15,189			
	Storage	Comp Bldg At Other	417	15,606			
Acorn RM Series B 10-2nd Fl	Conference Rm	Convention/Conference/Meeting	282	15,888			
	Private Room Left 205	Office	164	16,052			
	Private Room Left 201	Office	154	16,206			
	Restroom	Convenience/Restroom	136	16,342			
	Break Room 2	Office	52	16,394			
	Copy Area	Office	144	16,538			

Notes: 1. Not 10-4-0 (Not 10-4-0 by other)

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST
 The local enforcement agency should use special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

- The HVAC System "Acorn RM Series A 05 - Board" includes a Variable Speed Drive on the Fan.
- The HVAC System "Acorn RM Series A 05 - Board" includes an Economizer. This system has a cooling output < 75,000 Btu/h or a supply air < 55.00.
- The HVAC System "Acorn RM Series A 05 - Board, Phantom RM 0.10 BHP Supply Fan Motor has been specified.
- The HVAC System "Acorn RM Series A 05 - 1st Fl" includes a Variable Speed Drive on the Fan.
- The HVAC System "Acorn RM Series A 05 - 1st Fl" includes an Economizer. This system has a cooling output < 75,000 Btu/h or a supply air < 55.00.
- The HVAC System "Acorn RM Series A 05 - 1st Fl, Phantom RM 0.10 BHP Supply Fan Motor has been specified.
- The HVAC System "Acorn RM Series A 05" includes a Variable Speed Drive on the Fan.
- The HVAC System "Acorn RM Series A 05" includes an Economizer. This system has a cooling output < 75,000 Btu/h or a supply air < 55.00.
- The HVAC System "Acorn RM Series A 05, Phantom RM 0.10 BHP Supply Fan Motor has been specified.
- The HVAC System "Acorn RM Series B 10" includes a Variable Speed Drive on the Fan.
- The HVAC System "Acorn RM Series B 10, Phantom RM 0.10 BHP Supply Fan Motor has been specified.
- The Hot Water Plant includes a Variable Speed Drive.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp: [Signature]
 Run Initiation Time: 1/17/05 18:20:32 Run Code: 1132021232
 User Number: 4715 Job Number: [Blank] Page: 3 of 26

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 PERF-1

PROJECT NAME: Alameda County Waste Management Authority
 DATE: 12/12/2005

System Name	Zone Name	Occupancy Type	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)	Floor Area (sq ft)
Acorn RM Series A - 1600 B	Open Office 2nd Fl	Office	395	11,095			
	Conference Room	Convention/Conference/Meeting	294	11,389			
	Graphics Mfg Rm	Office	294	11,683			
	Open Office 2nd Fl att	Office	191	11,874			

Notes: 1. Not 10-4-0 (Not 10-4-0 by other)

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST
 The local enforcement agency should use special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

- MECH-2-A: Ventilation System Acceptance Document
 Variable Air Volume Systems Outdoor Air Acceptance
 Constant Air Volume Systems Outdoor Air Acceptance
 Equipment requiring acceptance testing
- MECH-2-B: Packaged HVAC System Acceptance Document
 Equipment requiring acceptance testing
- MECH-2-C: Air-Side Economizer Acceptance Document
 Equipment requiring acceptance testing
- MECH-2-D: Air Distribution Acceptance Document
 Equipment requiring acceptance testing
- MECH-2-E: Demand Control Ventilation Acceptance Document
 Equipment requiring acceptance testing
- MECH-2-F: Supply Fan Variable Flow Control Acceptance Document
 Equipment requiring acceptance testing
- MECH-2-G: Hydraulic System Control Acceptance Document
 Variable Flow Controls: Aspects to check for each system
 Automatic Isolation Controls: Zones to check and check criteria primary pressure is maintained to a common header
 Supply Water Temperature Reset Controls: Aspects to check for each system
 Water-Cooled Heat Pump Controls: Aspects to check for each system
 Variable Frequency Controls: Aspects to check for each system

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp: [Signature]
 Run Initiation Time: 1/17/05 18:20:32 Run Code: 1132021232
 User Number: 4715 Job Number: [Blank] Page: 2 of 26

CERTIFICATE OF COMPLIANCE MECH-1-C

PROJECT NAME: Alameda County Waste Management Authority
 DATE: 12/12/2005

Designer:
 This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems to be tested in parentheses. The N1 number designates the Section in the Appendix of the Northeastern ACH Manual that describes the test. Also indicate the person responsible for performing the tests (i.e., the installing contractor, design professional or an agent selected by the owner). Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Building Departments:
 SYSTEM ACCEPTANCE: Before an occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

In addition a Certificate of Acceptance, MECH-1-A Form shall be submitted to the building department that certifies plans, specifications, installation, operation and maintenance information meet the requirements of Section 10-103(a) and Title 24 Part 6.

STATEMENT OF COMPLIANCE

- MECH-1-A: Ventilation System Acceptance Document
 Variable Air Volume Systems Outdoor Air Acceptance
 Constant Air Volume Systems Outdoor Air Acceptance
 Equipment requiring acceptance testing
- MECH-1-B: Packaged HVAC System Acceptance Document
 Equipment requiring acceptance testing
- MECH-1-C: Air-Side Economizer Acceptance Document
 Equipment requiring acceptance testing
- MECH-1-D: Air Distribution Acceptance Document
 Equipment requiring acceptance testing
- MECH-1-E: Demand Control Ventilation Acceptance Document
 Equipment requiring acceptance testing
- MECH-1-F: Supply Fan Variable Flow Control Acceptance Document
 Equipment requiring acceptance testing
- MECH-1-G: Hydraulic System Control Acceptance Document
 Variable Flow Controls: Aspects to check for each system
 Automatic Isolation Controls: Zones to check and check criteria primary pressure is maintained to a common header
 Supply Water Temperature Reset Controls: Aspects to check for each system
 Water-Cooled Heat Pump Controls: Aspects to check for each system
 Variable Frequency Controls: Aspects to check for each system

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Run Initiation Time: 1/17/05 18:20:32 Run Code: 1132021232
 User Number: 4715 Job Number: [Blank] Page: 12 of 26

AIR SYSTEM REQUIREMENTS Part 1 of 2 MECH-2-C

PROJECT NAME: Alameda County Waste Management Authority
 DATE: 12/12/2005

SYSTEM FEATURES

ITEM OR SYSTEM TAG(S):
 Number of Systems: 1

MANDATORY MEASURES
 Heating Equipment Efficiency
 Cooling Equipment Efficiency
 Heat Pump Thermostat
 Furnace Controls
 Natural Ventilation
 Minimum Ventilation
 VAV Minimum Position Control
 Demand Control Ventilation
 Time Control
 setback and Setpoint Control
 Outdoor Damper Control
 Isolation Zones
 Pipe Insulation
 Duct Insulation

T-24 Section	Reference on Plans or Specification
112(a)	80% AFUE
112(b)	12.0 BPER / 11.8 BPER
112(c)	n/a
112(d)	n/a
112(e)	n/a
112(f)	n/a
112(g)	n/a
112(h)	n/a
112(i)	n/a
112(j)	n/a
112(k)	n/a
112(l)	n/a
112(m)	n/a
112(n)	n/a
112(o)	n/a
112(p)	n/a
112(q)	n/a
112(r)	n/a
112(s)	n/a
112(t)	n/a
112(u)	n/a
112(v)	n/a
112(w)	n/a
112(x)	n/a
112(y)	n/a
112(z)	n/a

PRESCRIPTIVE MEASURES

Calculated Heating Capacity $\times 1.65^2$	146 (a, b)	n/a	n/a	n/a
Proposed Heating Capacity ²	146 (a, b)	87,320 btuh	77,700 btuh	333,300 btuh
Calculated Suitable Cooling Capacity $\times 1.21^2$	146 (c, d)	n/a	n/a	n/a
Proposed Suitable Cooling Capacity ²	146 (c, d)	51,814 btuh	44,740 btuh	96,879 btuh
Fan Control	146 (e)	Variable Speed	Variable Speed	Variable Speed
DP Sensor Location	146 (f)			
Supply Pressure Reset (BDC only)	146 (g)	Yes	Yes	Yes
SmartScreen Heat/Cool	146 (h)	No	No	No
Economizer	146 (i)	Diff. Temp. (Integrated)	Diff. Temp. (Chargeable)	Diff. Temp. (Integrated)
Heating Air Supply Reset	146 (j)	Outdoor Zone	Outdoor Zone	Outdoor Zone
Cooling Air Supply Reset	146 (k)	Outdoor Zone	Outdoor Zone	Outdoor Zone
Dust Sealing for Prescriptive Compliance ³	144 (d)	No	No	No

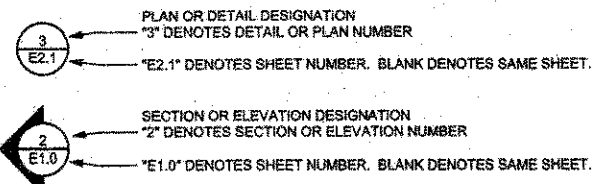
1. For each control and single zone air system for groups of water supply 48 in. the requirements for motorized outdoor supply and primary/secondary valves are required unless otherwise documented. If the requirement is not applicable, put "N/A" in the column.

2. Not required for hydronic heating and cooling, but for other air conditioning systems, the requirements for motorized outdoor supply and primary/secondary valves are required unless otherwise documented.

3. Clear Yes is required in: Constant Volume, Single Zone; Steady = 6,000 sq ft; Hrs = 2000; dust is concentrated in space. Dust sealing is required for Prescriptive Compliance.

SYMBOL LIST

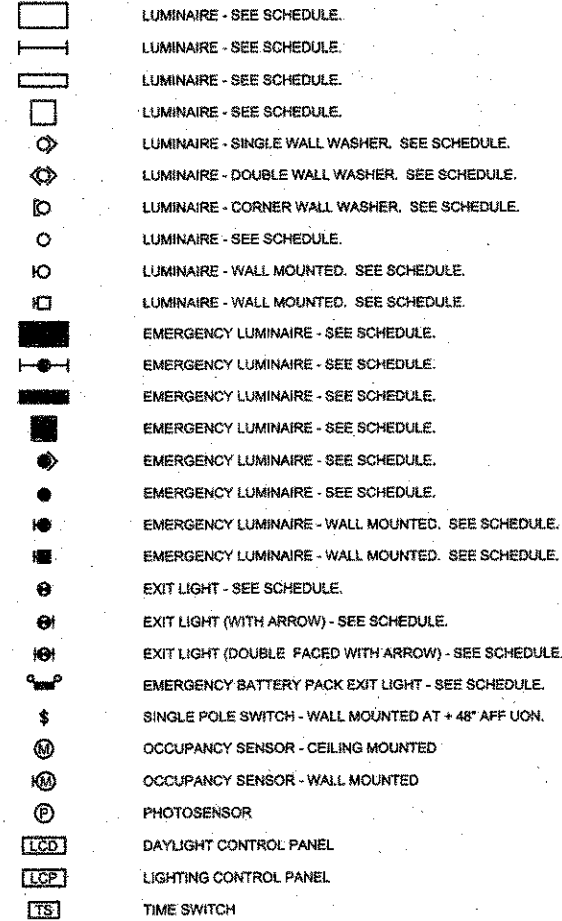
GENERAL SYMBOLS



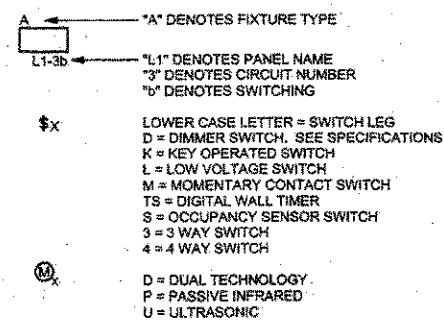
SHEET NOTE TAG - SEE ASSOCIATED NOTE ON SAME SHEET.

FEEDER, CONDUIT OR RELAY SCHEDULE TAG

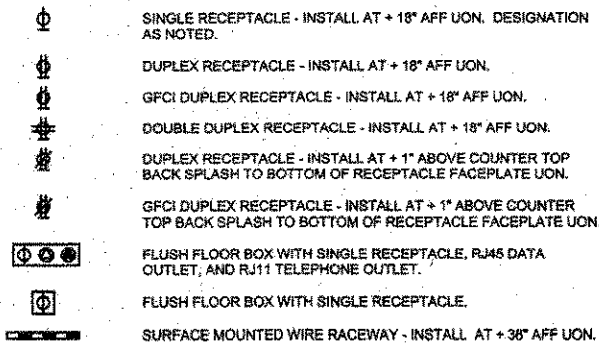
LUMINAIRE & SWITCH SYMBOLS



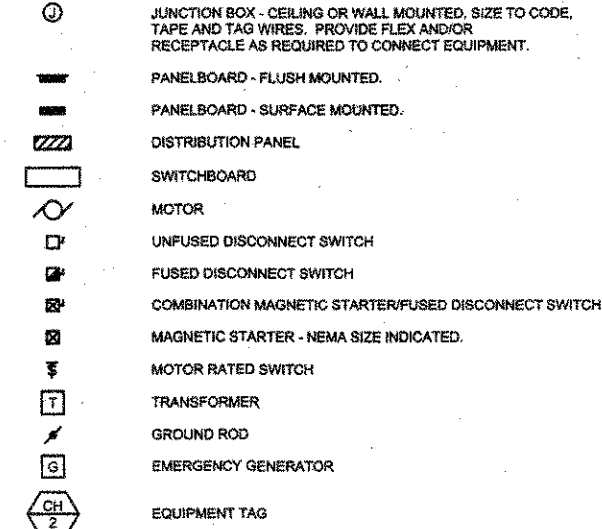
TYPICAL LUMINAIRE & SWITCH NOMENCLATURE



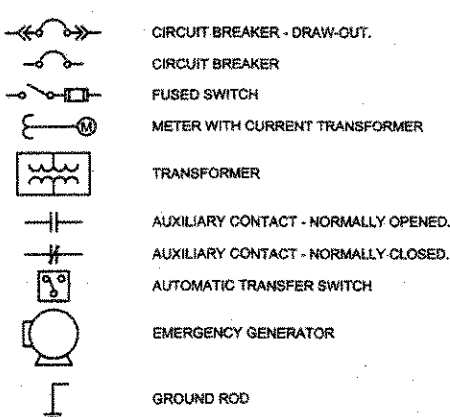
RECEPTACLE SYMBOLS



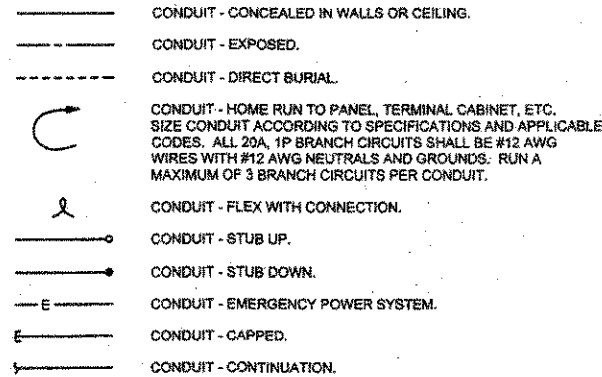
POWER DISTRIBUTION SYMBOLS (PLANS)



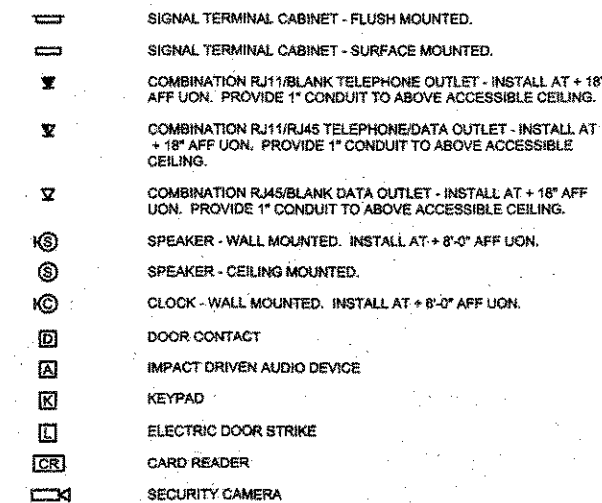
POWER DISTRIBUTION SYMBOLS (SINGLE LINE)



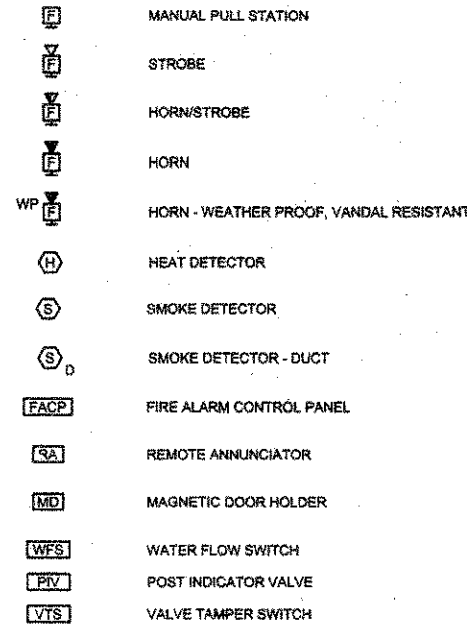
WIRING & CONDUIT RUN SYMBOLS



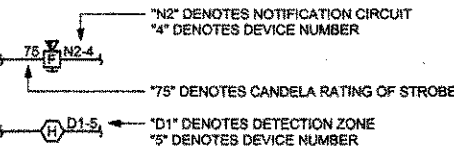
COMMUNICATIONS SYMBOLS



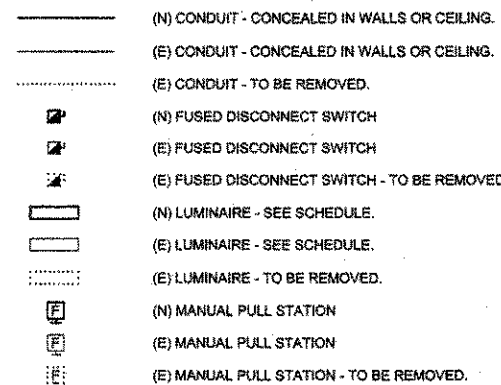
FIRE ALARM SYMBOLS



TYPICAL ZONE NOMENCLATURE



NEW VS. EXISTING



DRAWING INDEX

E0.0	GENERAL INFORMATION
E3.0	FIRST AND SECOND FLOOR PLANS- LIGHTING
E3.1	LID LEVEL PLAN- LIGHTING
E4.0	FIRST AND SECOND FLOOR PLANS- ELECTRICAL
E4.1	ROOF PLAN- ELECTRICAL
E5.0	SCHEDULES
E5.1	SCHEDULES
E6.0	DIAGRAMS
E7.0	DETAILS
E7.1	DETAILS
E7.2	DETAILS
E7.3	DETAILS
E8.0	TITLE 24
E9.0	TITLE 24

GENERAL NOTES

- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. OBTAIN CONTRACT DOCUMENTS FOR ALL OTHER TRADES AND BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON THE CONTRACT DOCUMENTS. COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES ON PROJECT. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANEL LOCATIONS WITH ALL OTHER WORK TO AVOID CONFLICTS.
- COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. AND CALIFORNIA STATE FIRE MARSHAL (CSFM) LISTED AND LABELED FOR THE APPLICATION.
- BEFORE BEGINNING CONSTRUCTION, PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
- OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
- MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. AT THE CONCLUSION OF THE PROJECT, PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
- ALL MATERIALS PROVIDED FOR THE PROJECT SHALL BE NEW, UNLESS OTHERWISE NOTED. PROVIDE ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE ALL REQUIRED "CUTTING, PATCHING, BACK FILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
- IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. PAINT ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
- ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUIT RUNS INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING, UNLESS OTHERWISE NOTED. UNDERGROUND AND EXTERIOR CONDUIT SHALL HAVE WATERTIGHT FITTINGS.
- ALL CONDUITS SHALL BE A MINIMUM 3/4" UNLESS OTHERWISE NOTED. POWER AND LIGHTING BRANCH CIRCUITS SHALL HAVE A MINIMUM TWO (2) #12 AWG AND ONE (1) #12 AWG GROUND TYPE THW/THHN. ALL POWER AND FIRE ALARM WIRING SHALL BE RUN IN CONDUIT. THE USE OF ROMEX (NMC) OR BX (AC) CABLE IS NOT PERMITTED. PROVIDE ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODES.
- CONDUITS SHALL NOT BE USED AS A GROUND PATH. ALL CONDUITS SHALL CONTAIN A GROUNDING CONDUCTOR, SIZED PER NEC/CEC REQUIREMENTS.
- NOTE THAT BRANCH CIRCUIT WIRING IS NOT SHOWN. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO ALL OUTLETS/FIXTURES/DEVICES. PROVIDE ALL BRANCH CIRCUIT WIRING BASED ON CIRCUIT NUMBERS SHOWN TO COMPLETE THE WIRING SYSTEM.
- THE CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CATV, DATA, TELEPHONE, CLOCK AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
- INCLUDE UTILITY COMPANY'S "CONTRACT-DOCUMENTS" WITH THE BID. REMAIN IN CONTACT WITH THE UTILITY COMPANY'S ENGINEERING DEPARTMENT THROUGHOUT THE PROJECT TO INSURE COORDINATION AND SCHEDULING OF WORK.
- PROVIDE A PULL CORD IN EVERY EMPTY CONDUIT FOR USE IN FUTURE CONSTRUCTION.
- VERIFY ALL VOLTAGES OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN THE AREA OF UNDER GROUND WORK. REPAIR ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. MAINTAIN EXTREME CARE DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN THE AREA. THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. COORDINATE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL WORK.
- CONDUIT AND WIRING ARE SHOWN ON THESE PLANS DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT SITE CONDITIONS.
- SEISMIC ANCHORAGE OF ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED IN ACCORDANCE WITH TITLE 24, CBC SECTION 1632A.
- PLANS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO BEGINNING WORK. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE.
- SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRIC EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT PER CEC ARTICLE 110-16.

OWNERSHIP OF INSTRUMENTS OF SERVICE

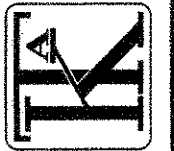
- ALL REPORTS, DRAWINGS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE CONSULTANT AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE CONSULTANT. THE CONSULTANT SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERE TO.
- THE CLIENT ACKNOWLEDGES THE CONSULTANT'S CONSTRUCTION DOCUMENTS, INCLUDING ELECTRONIC FILES, AS INSTRUMENTS OF PROFESSIONAL SERVICE. NEVERTHELESS, THE FINAL CONSTRUCTION DOCUMENTS PREPARED UNDER THIS AGREEMENT SHALL BECOME THE PROPERTY OF THE CLIENT UPON COMPLETION OF THE SERVICES AND PAYMENT IN FULL OF ALL MONIES DUE TO THE CONSULTANT. THE CLIENT SHALL NOT REUSE OR MAKE ANY MODIFICATION TO THE CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF THE CONSULTANT. THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS THE CONSULTANT, ITS OFFICERS, DIRECTORS, EMPLOYEES AND SUBCONSULTANTS COLLECTIVELY, CONSULTANT AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING FROM OR ALLEGEDLY ARISING FROM OR IN ANY WAY CONNECTED WITH THE UNAUTHORIZED REUSE OR MODIFICATION OF THE CONSTRUCTION DOCUMENTS BY THE CLIENT OR ANY PERSON OR ENTITY THAT ACQUIRES OR OBTAINS THE CONSTRUCTION DOCUMENTS FROM OR THROUGH THE CLIENT WITHOUT THE WRITTEN AUTHORIZATION OF THE CONSULTANT.



IDA INTEGRATED DESIGN ASSOCIATES, INC.

CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3580, fax: (408) 562-3561

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fax: 510.446.2242
info@ktr.com www.ktr.com



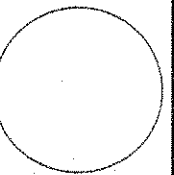
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

© COPYRIGHT 2005



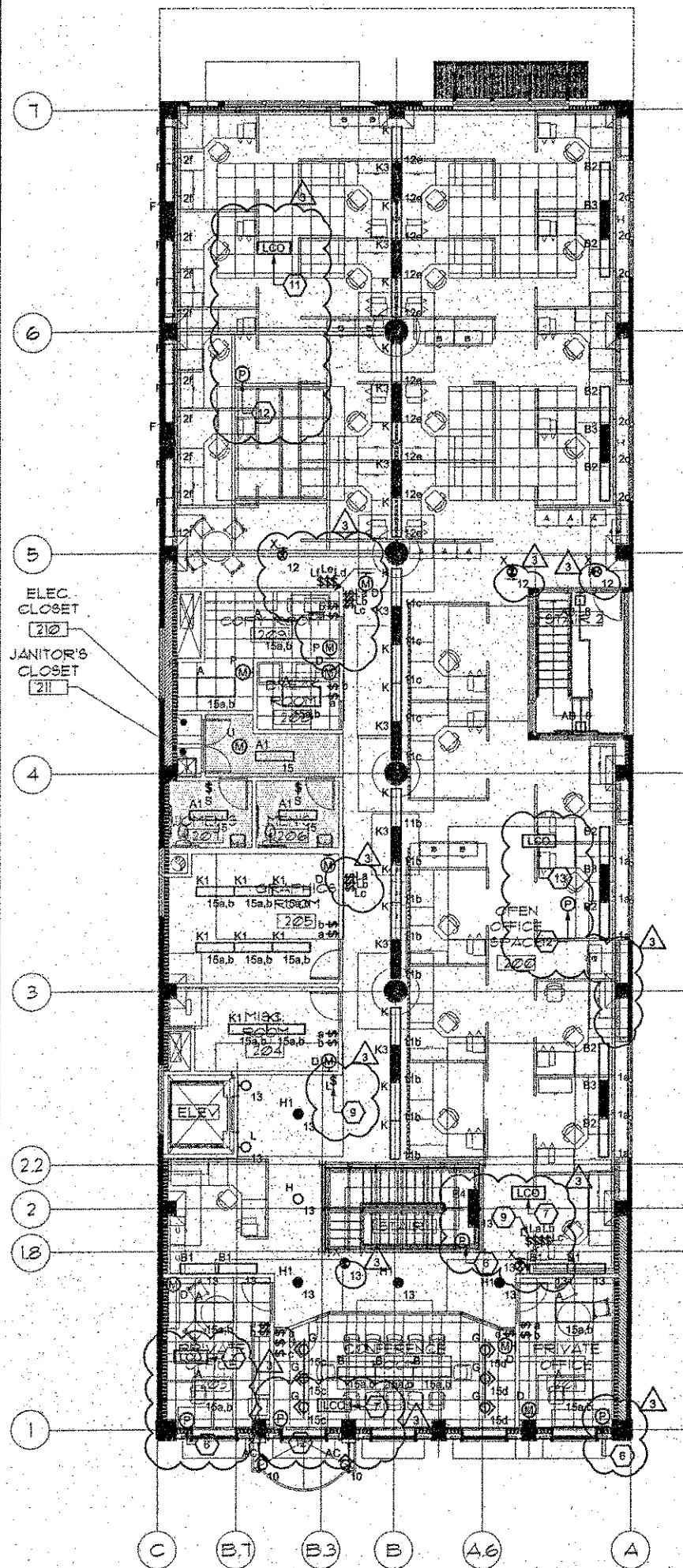
DATE: 12-13-05

JOB NO: 2513

GENERAL INFORMATION

E0.0

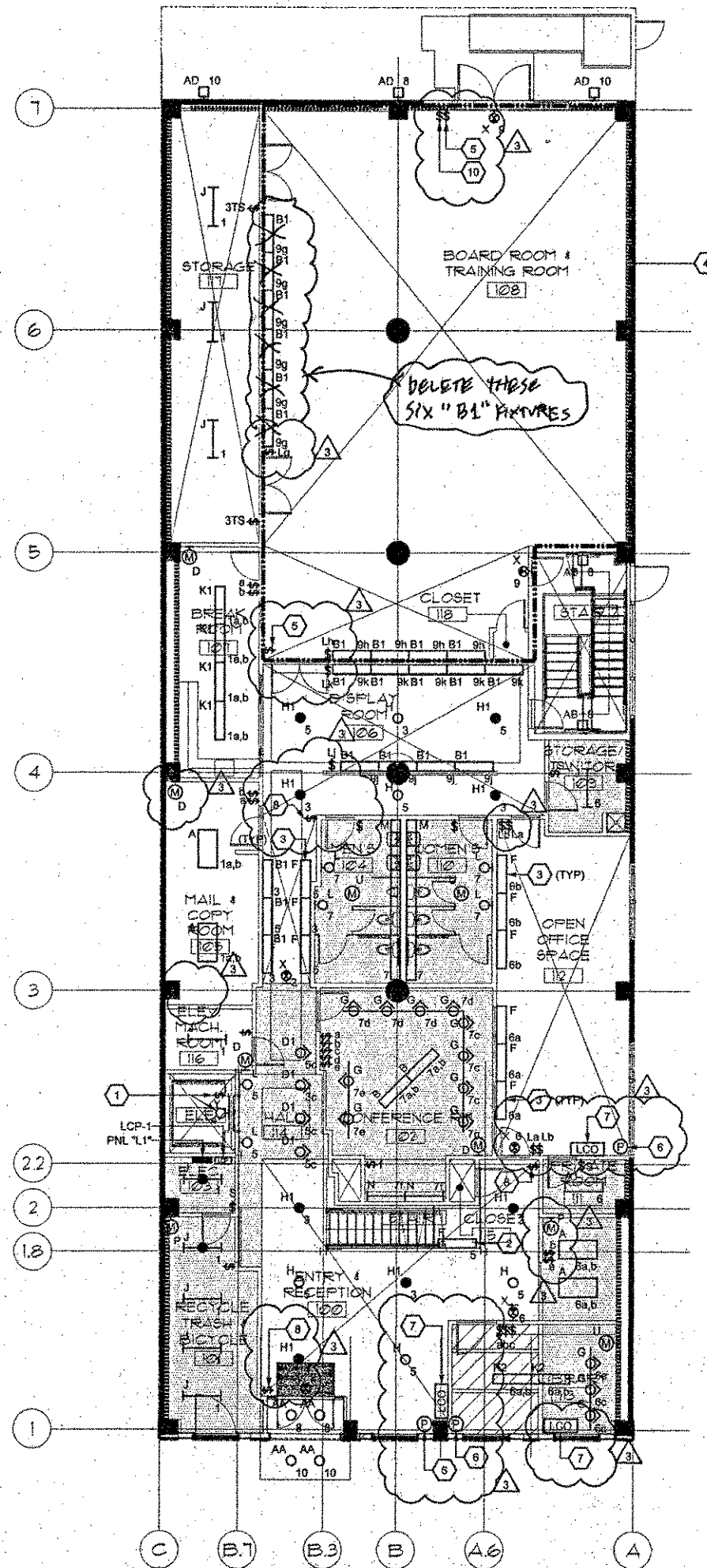
FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E30.dwg
LAST SAVED ON: 3/09/06 at 1:50pm. PLOTTED ON: 3/09/06 at 1:52pm



SECOND FLOOR PLAN LIGHTING

2

1/8"=1'-0"



FIRST FLOOR PLAN LIGHTING

1

1/8"=1'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF ALL LIGHT FIXTURES, EXPOSED CONTROL DEVICES AND LIGHT SWITCHES. VERIFY CEILING TYPE WITH ARCHITECTURAL DOCUMENTS AND COORDINATE TRIMS. PROVIDE ALL REQUIRED FIXTURE MOUNTING HARDWARE. COORDINATE FIXTURE TYPES WITH MOUNTING SURFACE PRIOR TO ORDERING.
2. PENDANT FIXTURES SHALL BE FREE TO SWING A MINIMUM OF 45 DEGREES FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, OTHERWISE PROVIDE SEISMIC RESTRAINT.
3. RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.
4. PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
5. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.
6. MOUNT WALL MOUNTED MOTION DETECTOR AT 8'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.
7. FIXTURES IN PUBLIC SPACES THAT ARE NOT CONTROLLED BY A OCCUPANCY SENSOR SHALL BE CIRCUITED TO LCP-1. SEE 4/E7.3 FOR MORE INFORMATION.

SHEET NOTES

1. PROVIDE LIGHT AND WEATHERPROOF SWITCH IN ELEVATOR PIT. MOUNT BELOW LOWEST LEVEL OF ELEVATOR CAR TRAVEL WITH SWITCH NEXT TO ACCESS DOOR/LADDER.
2. MOUNT LIGHT FIXTURE BELOW STAIR LANDING.
3. MOUNT LIGHT FIXTURE ABOVE RESTROOM, ORIENT FIXTURE TO FACE TOWARDS OUTSIDE WALL.
4. SEE E3.1 FOR ADDITIONAL LIGHTING EQUIPMENT FOR THIS AREA.
5. DATALINE SWITCH 01. REFER TO 1/E3.1 FOR LIGHTS CONTROLLED BY SWITCH. SEE E5.1 FOR MORE INFORMATION.
6. PROVIDE PHOTOCELL TO CONTROL LIGHTS IN THIS AREA. PHOTOCELL SHALL BE WATTSTOPPER MODEL LS-100 OR APPROVED EQUAL. SEE 3/E7.3 FOR MORE INFORMATION.
7. PROVIDE LIGHTING CONTROL MODULE CONCEALED ABOVE CEILING. SEE 3/E7.3 FOR MORE INFORMATION.
8. DATALINE SWITCH 03. SEE E5.1 FOR MORE INFORMATION.
9. PROVIDE LOW-VOLTAGE SWITCH FOR LOCAL OVERRIDE IN CORRIDOR CIRCUIT 13.
10. DATALINE SWITCH 02. REFER TO 1/E3.1 FOR LIGHTS CONTROLLED BY SWITCH. SEE E5.1 FOR MORE INFORMATION.
11. PROVIDE LIGHTING CONTROL MODULE CONCEALED ABOVE CEILING. CIRCUIT 12f SHALL BE DAYLIGHTING ZONE 1. CIRCUIT 12e SHALL BE DAYLIGHTING ZONE 2. CIRCUIT 12d SHALL BE DAYLIGHTING ZONE 3. SEE 3/E7.3 FOR MORE INFORMATION.
12. PROVIDE PHOTOCELL TO CONTROL LIGHTS IN THIS AREA. PHOTOCELL SHALL BE WATTSTOPPER MODEL LS-290C OR APPROVED EQUAL. SEE 3/E7.3 FOR MORE INFORMATION.
13. PROVIDE LIGHTING CONTROL MODULE CONCEALED ABOVE CEILING. CIRCUIT 11a SHALL BE DAYLIGHTING ZONE 1. CIRCUIT 11b SHALL BE DAYLIGHTING ZONE 2. CIRCUIT 11c SHALL BE DAYLIGHTING ZONE 3. SEE 3/E7.3 FOR MORE INFORMATION.

IDEAR INTEGRATED DESIGN ASSOCIATES INC
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3560, fax: (408) 562-3561

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.448.2244 FAX: 510.448.2242
www.ktarch.com



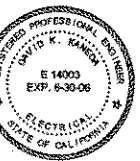
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADD. 3 03-13-06

© COPYRIGHT 2005



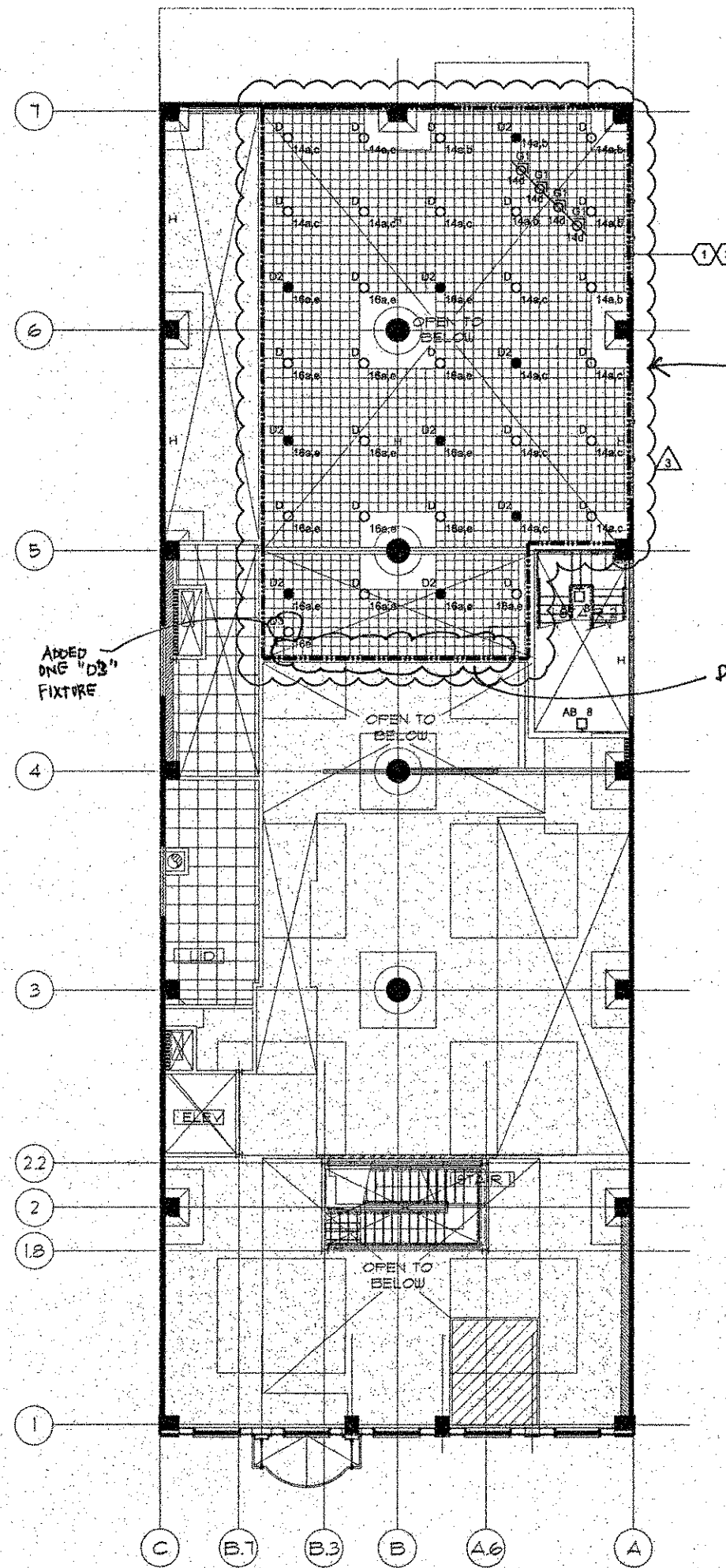
DATE: 12-13-05

JOB NO.: 2513

1ST AND 2ND FLOOR LIGHTING PLANS

E3.0

FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E31.dwg
LAST SAVED ON: 3/09/06 at 11:53am, PLOTTED ON: 3/09/06 at 1:52pm



1 LID LEVEL PLAN- LIGHTING
1/8"=1'-0"

GENERAL NOTES

1. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF ALL LIGHT FIXTURES, EXPOSED CONTROL DEVICES AND LIGHT SWITCHES. VERIFY CEILING TYPE WITH ARCHITECTURAL DOCUMENTS AND COORDINATE TRIMS. PROVIDE ALL REQUIRED FIXTURE MOUNTING HARDWARE. COORDINATE FIXTURE TYPES WITH MOUNTING SURFACE PRIOR TO ORDERING.
2. PENDANT FIXTURES SHALL BE FREE TO SWING A MINIMUM OF 45 DEGREES FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT CONTACTING OBSTRUCTIONS, OTHERWISE PROVIDE SEISMIC RESTRAINT.
3. RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.
4. CIRCUIT ALL LIGHT FIXTURES ON THIS SHEET TO PANELBOARD "1.1", UNLESS OTHERWISE NOTED.

SHEET NOTES

1. SEE SHEET E3.0 FOR ADDITIONAL LIGHTING AND CONTROLS INFORMATION FOR THIS AREA.
2. SWITCH LEG "a" SHALL CONTROL THE UPLIGHT COMPONENTS OF ALL PENDANT FIXTURES IN THIS AREA.

SEE ARCHITECTURAL RCP FOR ACTUAL LAYOUT OF FIXTURES.

IDEAS INTEGRATED DESIGN ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 552-3550, fax: (408) 552-3551

KOMOROS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.448.2242, Fax: 510.448.2242
k@karch.com, www.karch.com



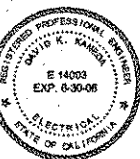
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDM.3 03-13-06

© COPYRIGHT 2005



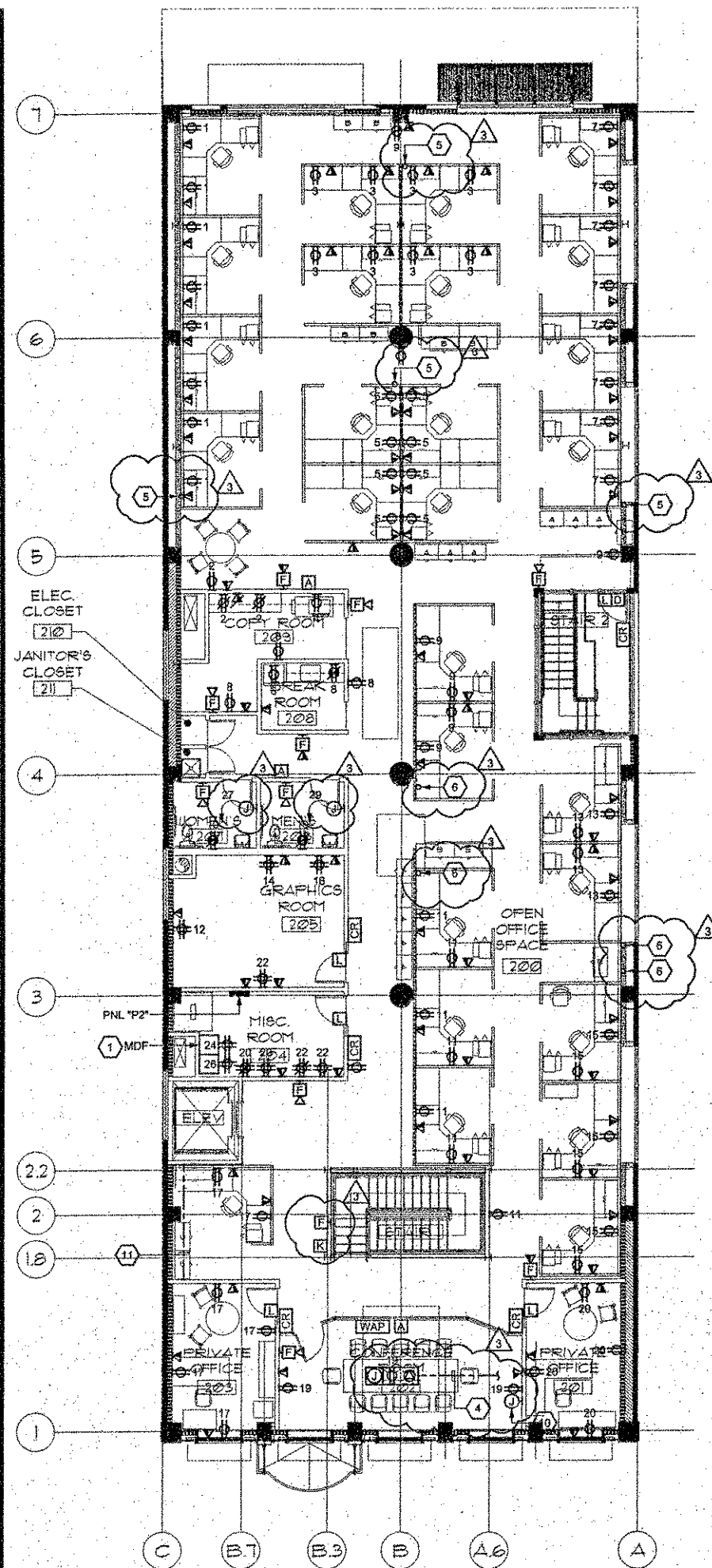
DATE: 12-13-05

JOB NO.: 2513

MEZZANINE FLOOR
LIGHTING PLAN

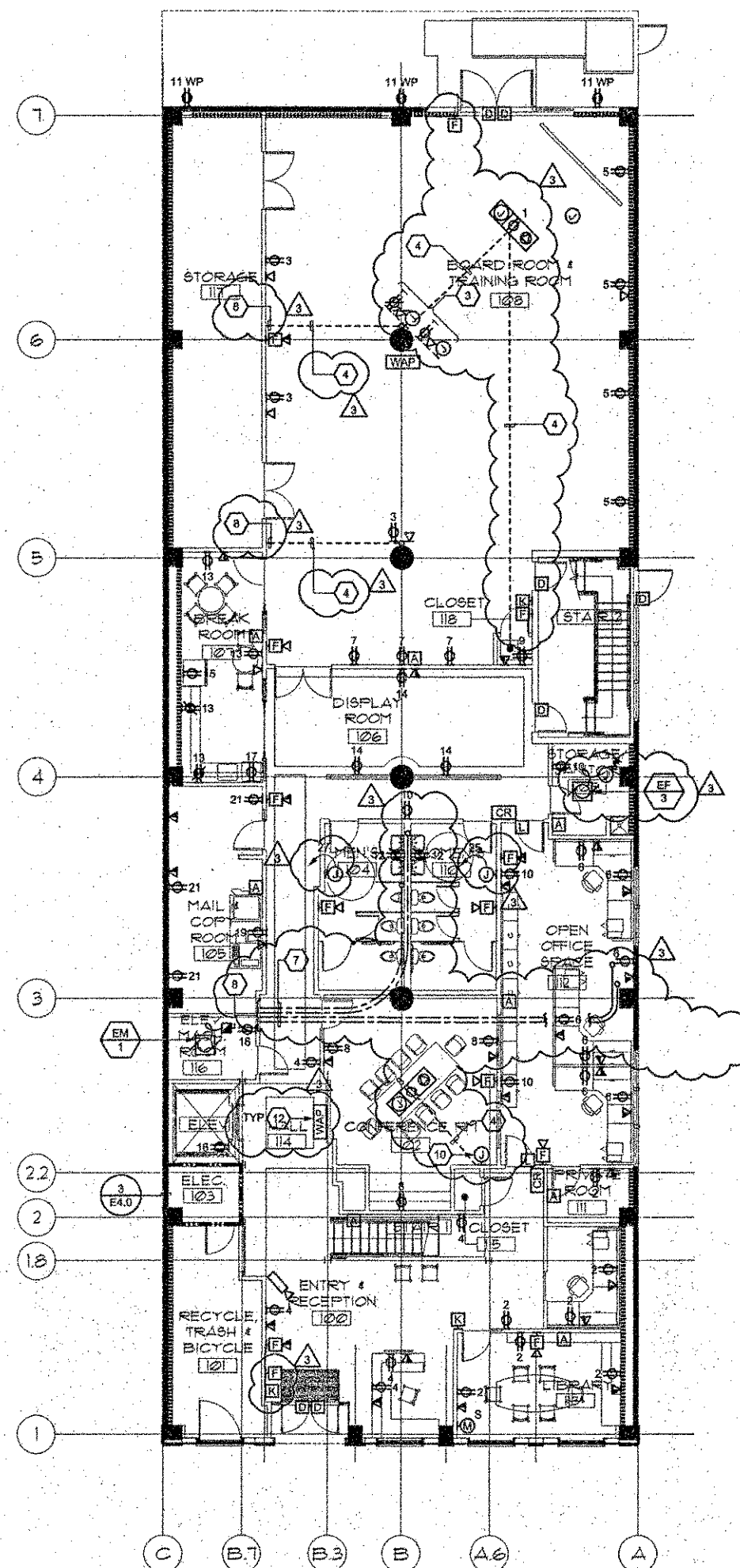
E3.1

FILE LOCATION: P:\Projects\RE ACWMA 05043\Drawings\05043E40.dwg
LAST SAVED ON: 3/29/06 at 3:29pm, PLOTTED ON: 3/29/06 at 3:31pm



**SECOND FLOOR PLAN
ELECTRICAL**

1/8"=1'-0"



**FIRST FLOOR PLAN
ELECTRICAL**

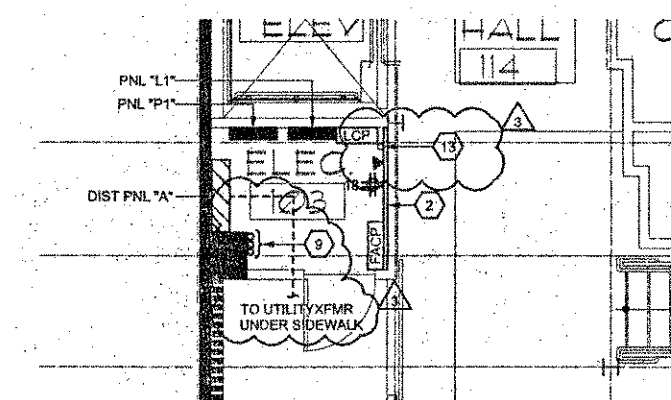
1/8"=1'-0"

GENERAL NOTES

- COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL AND PLUMBING EQUIPMENT WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.
- CIRCUIT ALL DEVICES ON FIRST FLOOR TO PANELBOARD "P1". CIRCUIT ALL DEVICES ON SECOND FLOOR TO PANELBOARD "P2".
- SIZE FUSES FOR ALL MECHANICAL AND PLUMBING EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- THERE SHALL BE NO ROOF PENETRATIONS WITHIN 5'-0" OF FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS PER CBC.
- RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.
- STUB A MINIMUM OF 4 SPARE 3/4" CONDUITS FROM ALL NEW RECESSED PANELBOARDS TO ACCESSIBLE CEILING LOCATION.
- SEE EQUIPMENT SCHEDULE ELECTRICAL REQUIREMENTS FOR CIRCUITING OF EQUIPMENT AND REFER TO RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION ON WIRING, LAYOUT AND CONNECTIONS.
- CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES HAVE BEEN OVERSIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

SHEET NOTES

- PROVIDE GROUNDING BUSBAR EQUIVALENT TO CHATTSWORTH PRODUCTS 10622-010 FOR COMMUNICATIONS AND DATA EQUIPMENT. GROUND WITH ONE (1) #6 AWG CABLE. GROUND BUSBAR TO NEAREST ELECTRICAL PANELBOARD WITH ONE (1) #6 AWG CABLE.
- PROVIDE ONE (1) 4'x8'x3/4" FIRE RATED PLYWOOD BACKBOARD FOR COMMUNICATIONS DEVICE MOUNTING.
- PROVIDE (1) RECEPTACLE, (1) DATA OUTLET AND (1) JUNCTION BOX AT 18" AFF AND (1) RECEPTACLE AND DATA OUTLET AT 8'-0" AFF. COORDINATE INSTALLATION WITH PROJECTOR.
- PROVIDE (1) 3/4" POWER AND (2) 1" C SIGNAL UNDERGROUND TO 3-GANG FLUSH FLOOR BOX. SAWCUT (E) FLOOR AND REPAIR TO MATCH ADJACENT SURFACE.
- PROVIDE (1) 2" C POWER AND (1) 2" C SIGNAL FROM MIS ROOM 204. ROUTE CONDUIT CONCEALED ABOVE DROPPED CEILING ON FIRST FLOOR. STUB CONDUIT THROUGH FLOOR TO ACCESS FURNITURE PANEL FEED.
- STUB CONDUITS THROUGH FLOOR TO ACCESS FURNITURE PANEL FEED. REFER TO 1/E4.0 FOR MORE INFORMATION.
- PROVIDE (1) 2" C POWER AND (1) 2" C SIGNAL FROM MIS ROOM 204 TO EACH FURNITURE ACCESS PANEL. ROUTE CONDUIT EXPOSED ON CEILING OF FIRST FLOOR AS SHOWN.
- CONCEAL CONDUIT AND WIRING TO MIS. ROOM 204.
- PROVIDE (3) 2" C FROM ELEC ROOM 103 TO ROOF. PENETRATE ROOF AND CAP CONDUIT FOR FUTURE USE.
- PROVIDE JUNCTION BOX FOR PROJECTOR. STUB (1) 1" C SIGNAL FROM FLOOR BOX IN ROOM INTO JUNCTION BOX.
- PROVIDE (1) 2" C POWER AND (1) 2" C SIGNAL FROM MIS ROOM 204 ACROSS OPEN OFFICE TO ABOVE ACCESSIBLE CEILING IN ROOM 203. EXTEND CONDUIT AND WIRING TO ROOMS ALONG EAST EXTERIOR WALL ON FIRST AND SECOND FLOOR CONCEALED ABOVE CEILING.
- WIRELESS ACCESS POINT (PROVIDED BY OWNER). CONNECT TO PNL P1-20 AND DATA SYSTEM.
- NEW TELEPHONE MPOE. COORDINATE RELOCATION WITH TELEPHONE UTILITY.



**FIRST FLOOR
ELECTRICAL ROOM PLAN**

1/4"=1'-0"

IDEAS INTEGRATED
DESIGN ASSOCIATES
INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3560, fax: (408) 562-3561

**KOMOROS-TOWEY
ARCHITECTS**
315 FOURTEENTH STREET
SAN FRANCISCO, CA 94103
PH: 415.446.7244 FAX: 415.446.2242
kta@karch.com www.karch.com

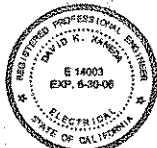
1537 WEBSTER ST. OAKLAND, CA
**BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS**

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADDM. 3 03-13-06

© COPYRIGHT 2005



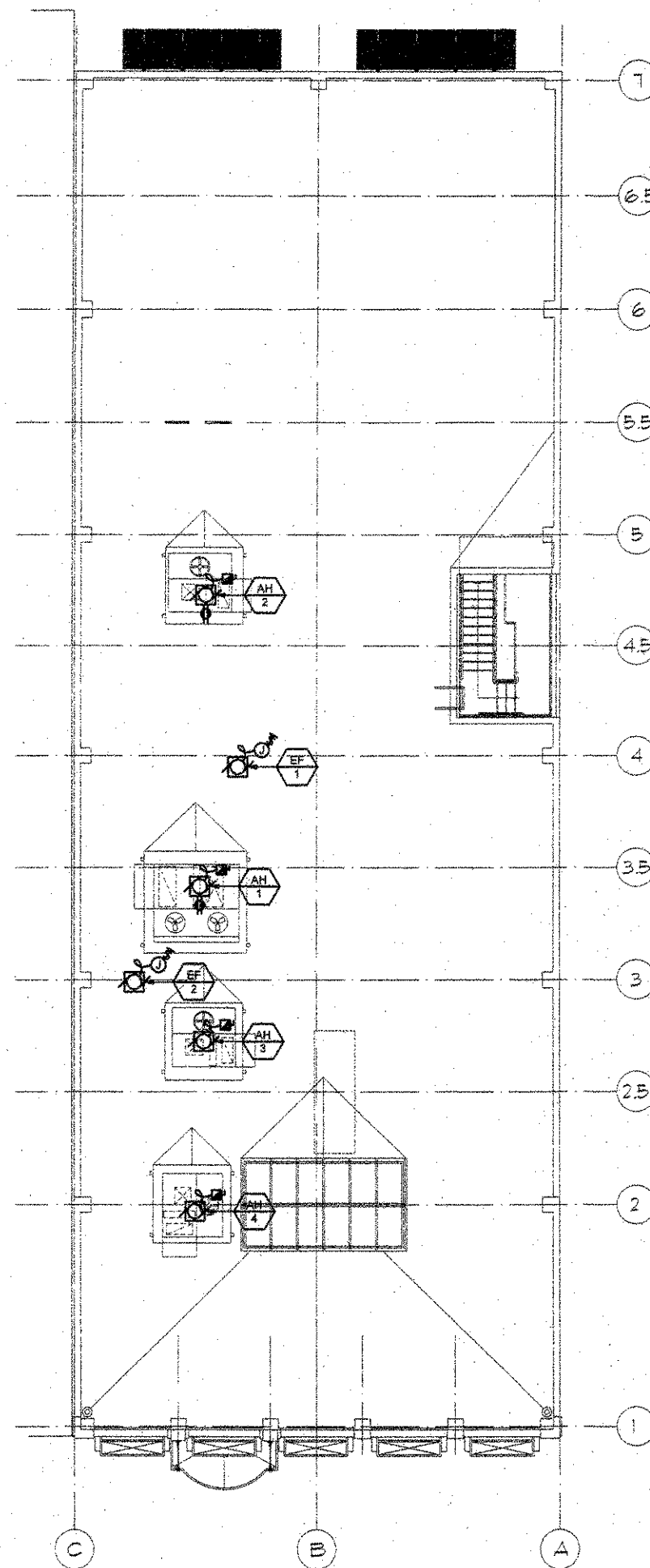
DATE: 12-13-05

JOB NO.: 2513

1ST AND 2ND FLOOR
ELECTRICAL PLANS

E4.0

FILE LOCATION: P:\Projects\RE ACWMA 05043\Drawings\05043E41.dwg
LAST SAVED ON: 1/05/06 at 2:40pm, PLOTTED ON: 1/05/06 at 3:07pm



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

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF ALL ARCHITECTURAL, MECHANICAL AND PLUMBING EQUIPMENT WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.
2. CIRCUIT ALL DEVICES ON THIS SHEET TO PANELBOARD ____ UNLESS OTHERWISE NOTED.
3. SIZE FUSES FOR ALL MECHANICAL AND PLUMBING EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
4. THERE SHALL BE NO ROOF PENETRATIONS WITHIN 5'-0" OF FIRE RATED OR AREA SEPARATION WALLS. VERIFY EXACT LOCATIONS OF THESE WALLS WITH ARCHITECTURAL DRAWINGS PER CBC.
5. SEE EQUIPMENT SCHEDULE ELECTRICAL REQUIREMENTS FOR CIRCUITING OF EQUIPMENT AND REFER TO RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION ON WIRING, LAYOUT AND CONNECTIONS.
6. CERTAIN FEEDER AND BRANCH CIRCUIT WIRE SIZES HAVE BEEN OVERSIZED TO COMPENSATE FOR VOLTAGE DROP. SPLICE WIRES TO COMPATIBLE SIZES FOR TERMINATION, ADJACENT TO EQUIPMENT CONNECT AS REQUIRED.

SHEET NOTES

1. PROVIDE POWER 120V/24V TRANSFORMER AS REQUIRED TO POWER DUCT SMOKE DETECTORS FOR MECHANICAL EQUIPMENT. SEE DIAGRAMS ON MECHANICAL DRAWINGS FOR CONNECTION TO MECHANICAL EQUIPMENT.



IDeAs INTEGRATED
DESIGN
ASSOCIATES
INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3550, fax: (408) 562-3581

**KOMOROS-TOWEY
ARCHITECTS**
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.468.2446, 2242
kta@ktarch.com www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

© COPYRIGHT 2005

DATE: 12-13-05

JOB NO.: 2513

ROOF PLAN
ELECTRICAL

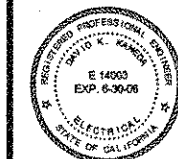
E4.1

FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E50.dwg
LAST SAVED ON: 3/09/06 at 2:03pm, PLOTTED ON: 3/09/06 at 2:07pm

LIGHT FIXTURE SCHEDULE									
FIXTURE CODE	LAMP WATTS	LAMP TYPE	VOLTS	DESCRIPTION	MOUNTING	MANUFACTURER	WEIGHT (LBS)	REMARKS	
J	1x28	F28T5/835	120	1 LAMP, 4 FOOT, FLUORESCENT STRIP, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, WIRE GUARD	SURFACE	LITHONIA MS5 1 28T5 GEB10P3 MQ OR APPROVED EQUAL			
K	1x54	F54T5/835/HO	120	CONTINUOUS SUSPENDED PERFORATED METAL SEMI-INDIRECT LINEAR FLUORESCENT, 1 LAMPS PER 4 FOOT SECTION, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLASTS, AIRCRAFT CABLE, STRAIGHT POWER CORD, UL LISTED.	CABLE	DEL RAY SWING 413 OR APPROVED EQUAL		CONTINUOUS ROWS, SEE DWGS FOR LENGTHS, SUSPENSION LENGTH, AND SUSPENSION POINTS.	
K1	1x54	F54T5/835/HO	120	CONTINUOUS SUSPENDED PERFORATED METAL SEMI-INDIRECT LINEAR FLUORESCENT, 2 LAMPS PER 4 FOOT SECTION, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLASTS, AIRCRAFT CABLE, STRAIGHT POWER CORD, UL LISTED.	CABLE	FEERLITE 10CRM7 232 WHR GEB DCT OR APPROVED EQUAL		CONTINUOUS ROWS, SEE DWGS FOR LENGTHS, SUSPENSION LENGTH, AND SUSPENSION POINTS.	
K2	1x54	F54T5/835/HO	120	CONTINUOUS SUSPENDED SEMI-INDIRECT LINEAR FLUORESCENT WITH CAT ZINC ALUMINUM ALLOY HOUSING, 1 LAMP PER 4 FOOT SECTION, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLASTS, AIRCRAFT CABLE, STRAIGHT POWER CORD, UL LISTED.	CABLE	DEL RAY SWING 44154.415 OR APPROVED EQUAL		CONTINUOUS ROWS, SEE DWGS FOR LENGTHS, SUSPENSION LENGTH, AND SUSPENSION POINTS.	
K3	1x54	F54T5/835/HO	120	SAME AS "K" WITH EMERGENCY BALLAST(S) WITH MINIMUM 1350 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	CABLE	DEL RAY SWING 413 OR APPROVED EQUAL			
L	1x36	PL-T 36W/835/4P/ALTO	120	DECORATIVE, FLUORESCENT WALL SCONCE, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST.	WALL	ILLUMINATING EXPERICES FILA 78 W/36W 2G11 OR APPROVED EQUAL		FINISH: BRUSHED STEEL	
M	1x28	F28T5/835	120	CONTINUOUS FLOURESCENT RECESSED WALL SLOT FIXTURE, STEEL HOUSING WITH ALUMINUM BLADE LOUVERS AND TELESCOPING EXTENSION MODULE, UL LISTED.	RECESSED	PRUDENTIAL P-87 R BLA SC OR APPROVED EQUAL			
N	1x28	F28T5/835	120	1 LAMP, 4 FOOT, UNDERCABINET FLUORESCENT LIGHT FIXTURE, ACRYLIC LENS, SOLID FRONT, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST.	SURFACE	LITHONIA MS5 28 GEB OR APPROVED EQUAL		LENGTHS AS REQUIRED FOR CONTINUOUS RUN.	
X	1x6	LPS	120	EDGE-LIT, LED EXIT SIGN WITH GREEN LETTER, 90 MINUTES NICKEL CADMIUM BATTERY BACKUP, UL LISTED.	UNIVERSAL	LITHONIA LRP GC 120/277 EL N OR APPROVED EQUAL		VERIFY NUMBER OF FACES, ARROW DIRECTIONS AND MOUNTING. MOUNT BOTTOM OF FIXTURE AT 8'-0" ABOVE FINISHED FLOOR.	
Y	1x28	CF28DT/E/IN/835	120	COMPACT FLUORESCENT "JELLY JAR" TYPE VAPOR PROOF LIGHT FIXTURE, CLEAR PRISMATIC GLOBE WITH WIRE GUARD, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, UL WET LISTED.	SURFACE	RIG A LITE CVPD 28F G G C OR APPROVED EQUAL			
AA	1x70	MHC70/C/U/MP/4K	120	METAL HALIDE FLOOD LIGHT, CAST ALUMINUM DOOR FINISH, TEMPERED CLEAR GLASS PRIMARY LENS, BOROSILICATED GLASS SECONDARY LENS, SPECULAR ALZAK ALUMINUM REFLECTOR, HIGH POWER FACTOR BALLAST, UL WET LISTED.	RECESSED	HYDREL 7000 70M MVOLT MFL YM ARJB ISS OR APPROVED EQUAL		MOUNT LIGHT FIXTURE FLUSH WITH CANOPY AS DOWNLIGHT, PROVIDE WEATHERPROOF TRIM AROUND LIGHT FIXTURE.	
AB	2x26	PL-T 26W/835/4P	120	ROUND, VANDAL RESISTANT, SURFACED LIGHT FIXTURE WITH EYELED, HIGH REFLECTANCE REFLECTOR, UV STABILIZED POLYCARBONATE LENS, HIGH POWER FACTOR, (1) 2 LAMP LOW TEMPERATURE, ELECTRONIC BALLAST.	SURFACE	KENALL MR13EL PP 2602 OR APPROVED EQUAL			
AC	1x70	MHC70/C/U/MP/4K	120	METAL HALIDE FLOOD LIGHT, CAST ALUMINUM DOOR FINISH, TEMPERED CLEAR GLASS PRIMARY LENS, BOROSILICATED GLASS SECONDARY LENS, SPECULAR ALZAK ALUMINUM REFLECTOR, HIGH POWER FACTOR BALLAST, UL WET LISTED.	SURFACE	HYDREL 7000 70M MVOLT MFL YM ARJB ISS OR APPROVED EQUAL			
AD	1x70	C70S62/C/M	120	WALL MOUNTED METAL HALIDE FIXTURE, DIE-CAST ALUMINUM HOUSING WITH ONE-PIECE DIE-FORMED ALUMINUM REFLECTOR, IES CUTOFF CLASSIFICATION, HIGH POWER FACTOR BALLAST, UL WET LISTED.	WALL	HYDREL G28W DN 70M SR2 GEB OR APPROVED EQUAL		MOUNT BOTTOM OF FIXTURE AT 17'-0" ABOVE FINISHED FLOOR, PROVIDE MOUNTING HARDWARE TO COMPLETE INSTALLATION	

LIGHT FIXTURE SCHEDULE									
FIXTURE CODE	LAMP WATTS	LAMP TYPE	VOLTS	DESCRIPTION	MOUNTING	MANUFACTURER	WEIGHT (LBS)	REMARKS	
A	2x28	F28T5/835	120	2' X 4' RECESSED FLUORESCENT TROFFER WITH IMPACT MODIFIED ACRYLIC PRISMATIC REFRACTOR WITH POLYMER LIGHT-DIFFUSING FILM, HIGH POWER FACTOR, (1) 2 LAMP ELECTRONIC BALLAST WITH 50% STEP-DIMMING, UL LISTED.	RECESSED	LITHONIA 2RT5 28T5 MVOLT GEB95S OR APPROVED EQUAL			
A1	1x28	F28T5/835	120	1' X 4' RECESSED FLUORESCENT TROFFER WITH IMPACT MODIFIED ACRYLIC PRISMATIC REFRACTOR WITH POLYMER LIGHT-DIFFUSING FILM, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, UL LISTED.	RECESSED	LITHONIA RT5 28T5 MVOLT GEB10P5 OR APPROVED EQUAL			
B	2x28	F28T5/835	120	CONTINUOUS SUSPENDED SEMI-INDIRECT LINEAR FLUORESCENT FIXTURE, 2 LAMPS PER 4 FOOT SECTION, HIGH POWER FACTOR, (2) 1 LAMP ELECTRONIC BALLASTS, AIRCRAFT CABLE, STRAIGHT POWER CORD, UL LISTED.	CABLE	PEERLESS EGRM9 2 28T5 GEB10 SCT C100 AEC OR APPROVED EQUAL		SEE DRAWINGS FOR LENGTHS OF CONTINUOUS ROWS, CEILING TYPE AND MOUNTING HEIGHT.	
B1	1x28	F28T5/835	120	4' LENGTH, WALL MOUNTED, LINEAR FLUORESCENT LIGHT FIXTURE, ADJUSTABLE 24" ARM AND HEAD WITH BAFFLED LENS, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLASTS, UL LISTED.	WALL	PINNACLE VCB 28T5 B24 S B OR APPROVED EQUAL		SEE DRAWINGS FOR LENGTHS OF CONTINUOUS ROWS, CEILING TYPE AND MOUNTING HEIGHT.	
B2	1x54	F54T5/835/HO	120	4' LENGTH, SURFACE MOUNTED, LINEAR FLUORESCENT LIGHT FIXTURE, ADJUSTABLE 24" ARM AND HEAD WITH BAFFLED LENS, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLASTS, UL LISTED.	SURFACE	PINNACLE VCA 54T5HO B24 S A OR APPROVED EQUAL		SEE DRAWINGS FOR LENGTHS OF CONTINUOUS ROWS, CEILING TYPE AND MOUNTING HEIGHT.	
B3	1x54	F54T5/835/HO	120	SAME AS "B2" WITH EMERGENCY BALLAST(S) WITH MINIMUM 1350 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	SURFACE	PINNACLE VCA 54T5HO B24 S A OR APPROVED EQUAL			
B4	1x28	F28T5/835	120	SAME AS "B1" WITH EMERGENCY BALLAST(S) WITH MINIMUM 1350 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	WALL	PINNACLE VCB 28T5 B24 S B OR APPROVED EQUAL			
D	1x42	PL-T 42W/835/4P	120	17" DIAMETER COMPACT FLUORESCENT PENDANT WITH ALUMINUM REFLECTOR AND GLASS LENS DIFFUSER, CONCEALED, SEPARATELY SWITCHED UPLIGHT, SUSPENDED BY (3) AIRCRAFT CABLES, UL LISTED.	PENDANT	DEL RAY 7801 242 SS D5 OR APPROVED EQUAL			
D1	1x32	PL-T 32W/835/4P	120	6" DIAMETER, SEMI-SPECULAR CLEAR REFLECTOR, TRIPLE TUBE FLUORESCENT DOWNLIGHT/ WALLWASHER, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, UL LISTED.	RECESSED	LITHONIA GOTHAM AFVW 32TRT 6AR GEB10 OR APPROVED EQUAL			
D2	1x42	PL-T 42W/835/4P	120	SAME AS "D" WITH EMERGENCY BALLAST(S) WITH MINIMUM 650 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	PENDANT	DEL RAY 7801 242 SS D5 OR APPROVED EQUAL			
D3	1x32	PL-T 32W/835/4P	120	6" DIAMETER, SEMI-SPECULAR CLEAR REFLECTOR, TRIPLE TUBE FLUORESCENT DOWNLIGHT, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, UL LISTED.	RECESSED	LITHONIA GOTHAM AFV 32TRT 6AR GEB10 OR APPROVED EQUAL			
F	1x54	F54T5/835/HO	120	1 LAMP, 4 FOOT, FLUORESCENT COVER FIXTURE WITH ASYMMETRIC UPLIGHT, HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST, UL LISTED.	CONCEALED	PEERLESS HCM5 1 54T5HO GEB10 SCT OR APPROVED EQUAL		VERIFY DRAWINGS FOR LENGTHS OF CONTINUOUS ROWS AND MOUNTING HEIGHT.	
F1	1x54	F54T5/835/HO	120	SAME AS "F" WITH EMERGENCY BALLAST(S) WITH MINIMUM 1350 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	CONCEALED	PEERLESS HCM5 1 54T5HO GEB10 SCT OR APPROVED EQUAL			
G	1x35	35MRC161/RCNPL24	24	LOW-VOLTAGE DECORATIVE TRACK FIXTURE, FULLY ADJUSTABLE HEAD, UL LISTED.	TRACK	TECH 700 TW AE 6 OR APPROVED EQUAL		PROVIDE TECH TWINRAIL TRACK, VERIFY DRAWINGS FOR LENGTHS OF TRACK.	
G1	2x42	PL-T 42W/835/4P	120	COMPACT FLUORESCENT WALLWASH FIXTURE, TRACK MOUNTED WITH EXTRUDED ALUMINUM YOKE SUSPENSION, FULLY ADJUSTABLE HEAD, HIGH POWER FACTOR, (1) 2 LAMP ELECTRONIC BALLAST.	TRACK	LITHONIA LTD CFWW 242TRT 20 AP OR APPROVED EQUAL			
H	1x42	PL-T 42W/835/4P/ALTO	120	14" DIAMETER COMPACT FLUORESCENT PENDANT WITH METALLIC GRAY GLASS DIFFUSER AND EXTRUDED ALUMINUM HOUSING WITH CHROME PLATED FINISH, SUSPENDED BY (3) AIRCRAFT CABLES, UL LISTED.	PENDANT	PRISMA 073740 2790 OR APPROVED EQUAL		VERIFY DRAWINGS FOR MOUNTING HEIGHT.	
H1	1x42	PL-T 42W/835/4P/ALTO	120	SAME AS "H" WITH EMERGENCY BALLAST(S) WITH MINIMUM 1350 INITIAL LUMEN OUTPUT, 90 MINUTE EMERGENCY OPERATION, UL LISTED.	PENDANT	PRISMA 073740 2790 OR APPROVED EQUAL			

EQUIPMENT SCHEDULE																													
EQUIPMENT DESIGNATION	LOCATION	PACKAGE UNITS		AMPS	HORSEPOWER	KVA	VOLTAGE AND PHASE	CONNECTION TO EMS	INTERLOCK WITH	MOTOR STARTERS			AUTOMATIC CONTROLLING DEVICES	CONNECTION TO FA PANEL	CONTROL WIRING AS REQUIRED	FUSED DISCONNECT SWITCH (AT EQUIP)	LOCKOUT TOGGLE SWITCH (AT EQUIP)	PANEL AND CIRCUIT NO	CONDUIT (IN)	POWER WIRING	REMARKS								
		MCA	MOCP							TYPE	STARTER NEMA SIZE	AUXILIARY DEVICES IN STARTERS																	
AH-1	ROOF	21.0	21				208/3		DUCT DETECTOR					E		E,WP		DIST. PNL A	3/4	(3) #10+ (1) #10G	AIR HANDLER								
AH-2	ROOF	34.0	50				208/3		DUCT DETECTOR					E		E,WP		DIST. PNL A	3/4	(3) #5+ (1) #10G	AIR HANDLER								
AH-3	ROOF	23.0	35				208/3									E,WP		DIST. PNL A	1	(3) #8+ (1) #10G	AIR HANDLER								
AH-4	ROOF	21.0	30				208/1									E,WP		DIST. PNL A	3/4	(3) #10+ (1) #10G	AIR HANDLER								
EF-1	ROOF				1/2		120/1								E		E,WP	PNL P2-23	3/4	(2) #12+ (1) #12G	EXHAUST FAN. CONNECT FAN TO LCP								
EF-2	ROOF				1/16		120/1										E,WP	PNL P2-24	3/4	(2) #12+ (1) #12G	EXHAUST FAN								
EF-3	ROOM 109				1/20		208/3		LIGHTS						E		E	PNL P1-23	3/4	(2) #12+ (1) #12G	EXHAUST FAN. CONNECT FAN TO LCP								
EM-1	ELEVATOR ROOM				30		208/3									E		DIST. PNL A	1 1/4	(3) #2 + (1) #8G	ELEVATOR MOTOR								
EQUIPMENT SCHEDULE ABBREVIATIONS:																													
AC	AUXILIARY CONTACTS, 1 NC, 1 NO					CNTR	CONTRACTOR					HOA	3 - POSITION SELECTOR SWITCH (HAND/OFF/AUTO)					NC	NORMALLY CLOSED					SP	SUPERVISORY ALARM PANEL				
AC2	AUXILIARY CONTACTS, 2 NC, 2 NO					CR	CONTROL RELAY									NO	NORMALLY OPEN					SSA	3 - POSITION SELECTOR SWITCH (START/STOP/AUTO) SPRING						
B	FURNISHED BY OWNER & INSTALLED BY ELECTRICAL CONTRACTOR					CPT	CONTROL POWER TRANSFORMER					M	FURNISHED BY MECHANICAL & INSTALLED BY ELECTRICAL CONTRACTOR					O	FURNISHED & INSTALLED BY OTHER DIVISIONS										
CMCP	COMBINATION MOTOR STARTER WITH MOTOR CIRCUIT PROTECTOR					E	FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR					MCA	MINIMUM CIRCUIT AMPS					OL	OVERLOAD RELAY					PL	LED PILOT LIGHT RED ON, GREEN OFF				
CMFS	COMBINATION MOTOR STARTER WITH FUSED SWITCH					EMS	ENERGY MANAGEMENT SYSTEM					MOCP	MAXIMUM OVER CURRENT PROTECTION					PS	START/STOP PUSH BUTTON					SD	SMOKE DETECTOR				
						EPO	EMERGENCY POWER OFF BUTTON					MAN	MANUAL STARTER (<10HP)					SM	ON/OFF TOGGLE DISCONNECT @ MOTOR					VFD	VARIABLE FREQUENCY DRIVE				
						FA	FIRE ALARM					MS	MAGNETIC STARTER								WP	WEATHERPROOF							
NOTES:																													
1. EQUIPMENT SCHEDULE ABBREVIATIONS DO NOT APPLY TO EQUIPMENT DESIGNATION COLUMN.																													
2. VERIFY CB/FUSE AND WIRING REQUIREMENTS WITH SUBMITTALS PRIOR TO WIRING UNITS.																													



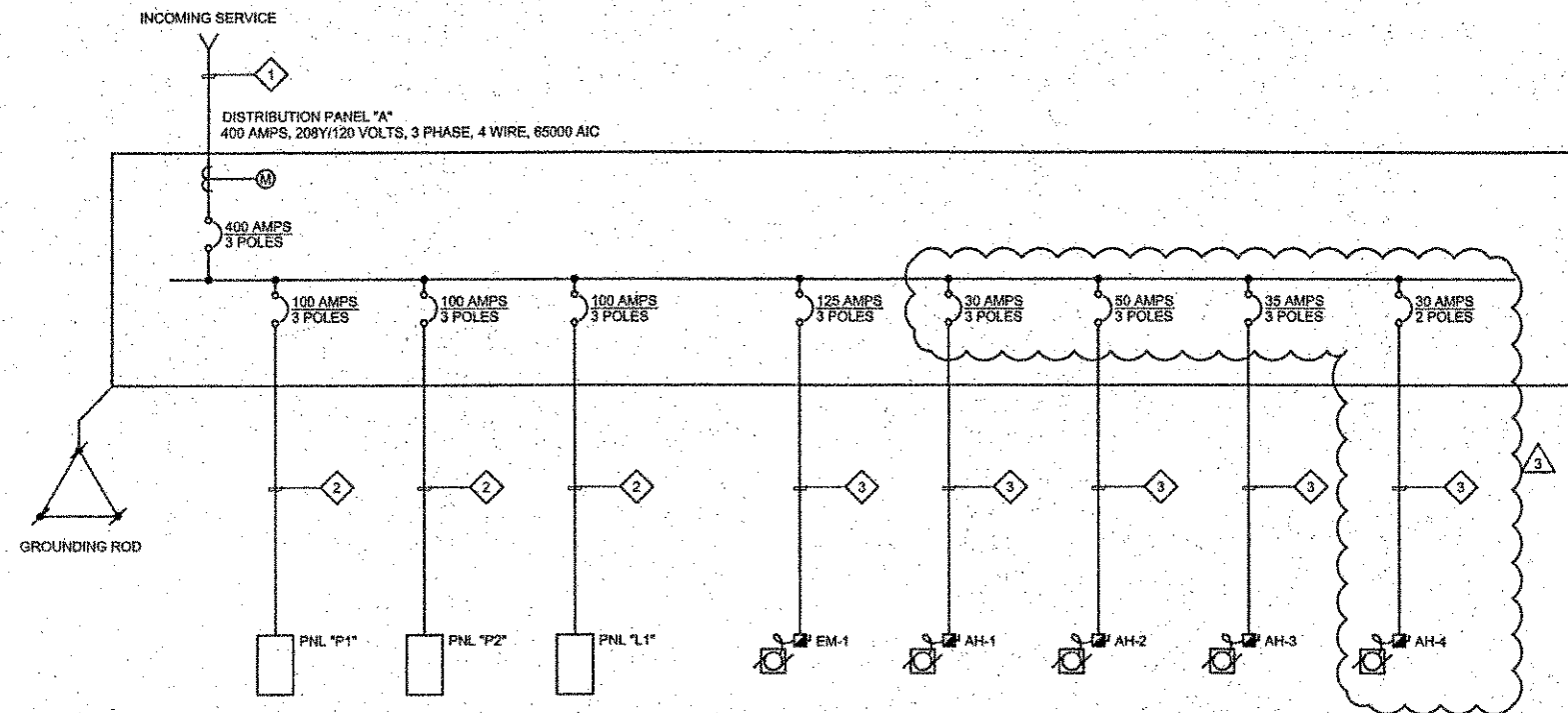
FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E51.dwg
LAST SAVED ON: 3/09/06 at 3:19pm, PLOTTED ON: 3/09/06 at 3:31pm

PANELBOARD "P2"													
VOLTAGE: 208/120		MLO		MAIN C/B		100A		BUSSING		SURFACE		MOUNTING	
PHASE: 3													
WIRE: 4													
LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD	
PLUGS - OPEN OFFICE	1.6			20A-1P	1		2	20A-1P	0.6			PLUGS - COPY ROOM	
PLUGS - OPEN OFFICE		1.6		20A-1P	3		4	20A-1P		1.9		COPIER	
PLUGS - OPEN OFFICE			1.6	20A-1P	5		6	20A-1P			1.0	REFRIGERATOR	
PLUGS - OPEN OFFICE	1.6			20A-1P	7		8	20A-1P	0.8			PLUGS - BREAK ROOM	
PLUGS - OPEN OFFICE		1.2		20A-1P	9		10	20A-1P		0.4		PLUGS - RESTROOM	
PLUGS - OPEN OFFICE			1.4	20A-1P	11		12	20A-1P			0.4	PLUGS - GRAPHICS ROOM	
PLUGS - OPEN OFFICE	0.8			20A-1P	13		14	20A-1P	0.4			PLUGS - GRAPHICS ROOM	
PLUGS - OPEN OFFICE		1.2		20A-1P	15		16	20A-1P		0.4		PLUGS - GRAPHICS ROOM	
PLUGS - OFFICE			1.2	20A-1P	17		18	20A-1P			0.4	PLUGS - GRAPHICS ROOM	
PLUGS - CONFERENCE ROOM	0.6			20A-1P	19		20	20A-1P	0.8			PLUGS - MISC. ROOM	
PLUGS - OFFICE		0.8		20A-1P	21		22	20A-1P		0.8		PLUGS - MISC. ROOM	
EF-1			1.0	20A-1P	23		24	20A-1P			0.5	MDF	
EF-2	0.4			20A-1P	25		26	20A-1P	0.5			MDF	
PLUGS - ROOF		0.4		20A-1P	27		28	20A-1P					
HAND DRYER			1.9	20A-1P	29		30	20A-1P					
HAND DRYER	1.9			20A-1P	31		32	20A-1P					
				20A-1P	33		34	20A-1P					
				20A-1P	35		36	20A-1P					
SPARE	0.0			20A-1P	37		38	20A-1P	0.0			SPARE	
SPARE		0.0		20A-1P	39		40	20A-1P		0.0		SPARE	
SPARE			0.0	20A-1P	41		42	20A-1P			0.0	SPARE	
	6.9	5.2	7.1						3.1	3.5	2.3		
KVA PHASE A: 10.0 KVA PHASE B: 8.7 KVA PHASE C: 9.4 TOTAL KVA: 28.1													
1.00 : DEMAND FACTOR 28.1 : DEMAND KVA 78.1 : TOTAL LOAD AMPERES													

PANELBOARD "P1"													
VOLTAGE: 208/120		MLO		MAIN C/B		100A		BUSSING		SURFACE		MOUNTING	
PHASE: 3													
WIRE: 4													
LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD	
PLUGS - BOARD ROOM	0.4			20A-1P	1		2	20A-1P	1.4			PLUGS - LIBRARY	
PLUGS - BOARD ROOM		0.8		20A-1P	3		4	20A-1P		1.0		PLUGS - ENTRY	
PLUGS - BOARD ROOM			0.8	20A-1P	5		6	20A-1P			1.4	PLUGS - OPEN OFFICE	
PLUGS - BOARD ROOM	0.8			20A-1P	7		8	20A-1P	0.8			PLUGS - CONFERENCE	
PLUGS - AV CLOSET		0.4		20A-1P	9		10	20A-1P		0.6		PLUGS - OPEN OFFICE	
PLUGS - EXTERIOR			0.6	20A-1P	11		12	20A-1P			0.4	PLUGS - RESTROOM	
PLUGS - BREAK ROOM	0.8			20A-1P	13		14	20A-1P	0.6			PLUGS - DISPLAY	
REFRIGERATOR		1.0		20A-1P	15		16	20A-1P		0.4		PLUGS - ELEVATOR	
REFRIGERATOR			1.0	20A-1P	17		18	20A-1P			0.4	PLUGS - ELECTRICAL ROOM	
COPIER	1.9			20A-1P	19		20	20A-1P	0.5			WIRELESS ACCESS POINT	
PLUGS - COPY ROOM		0.6		20A-1P	21		22	20A-1P		0.1		FIRE ALARM	
EF-3			0.1	20A-1P	23		24	20A-1P			0.1	SECURITY	
HAND DRYER	1.9			20A-1P	25		26	20A-1P					
HAND DRYER		1.9		20A-1P	27		28	20A-1P					
				20A-1P	29		30	20A-1P					
				20A-1P	31		32	20A-1P					
				20A-1P	33		34	20A-1P					
				20A-1P	35		36	20A-1P					
SPARE	0.0			20A-1P	37		38	20A-1P	0.0			SPARE	
SPARE		0.0		20A-1P	39		40	20A-1P		0.0		SPARE	
SPARE			0.0	20A-1P	41		42	20A-1P			0.0	SPARE	
	5.6	4.5	2.5						3.3	2.1	2.3		
KVA PHASE A: 8.9 KVA PHASE B: 6.6 KVA PHASE C: 4.8 TOTAL KVA: 20.3													
1.00 : DEMAND FACTOR 20.3 : DEMAND KVA 56.4 : TOTAL LOAD AMPERES													

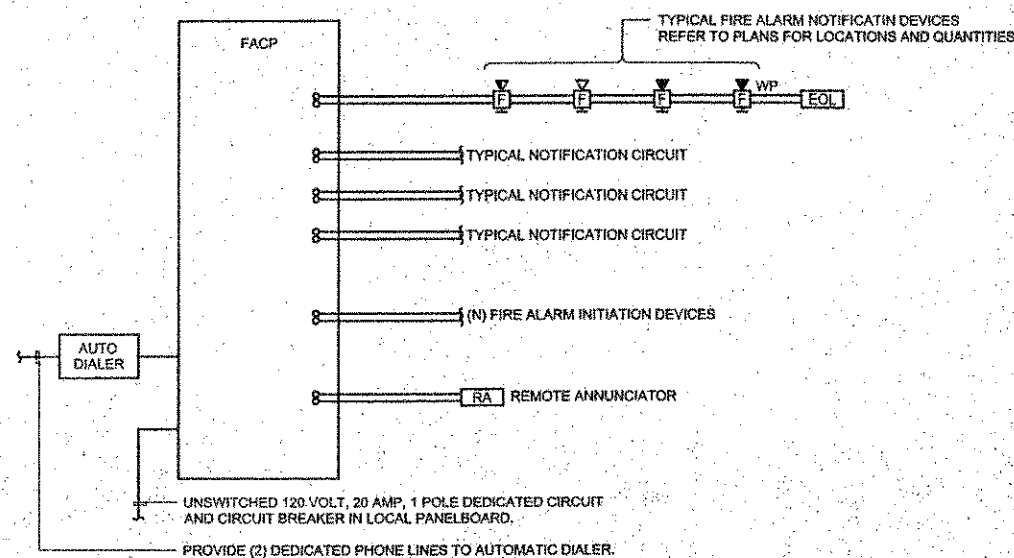
SMARTWIRED SWITCHING SYSTEM RELAY SCHEDULE													
PANEL LCP-1													
Note: Check those relays which are controlled by each automation channel under that channel letter below. (Each relay can only be associated with one channel.)													
RELAY NUMBER	SUPPLY	LOAD DESCRIPTION	AUTOMATION CHANNEL										
			A	B	C	D	E	F	G	H			
-01	L1-3	FIRST FLOOR CORRIDOR	X										
-02	L1-5	FIRST FLOOR CORRIDOR	X										
-03	L1-9	DISPLAY LIGHTING	X										
-04	L1-9a	DISPLAY LIGHTING	X										
-05	L1-9b	DISPLAY LIGHTING	X										
-06	L1-9c	DISPLAY LIGHTING	X										
-07	L1-11a	OPEN OFFICE LIGHTING	X										
-08	L1-11b	OPEN OFFICE LIGHTING	X										
-09	L1-11c	OPEN OFFICE LIGHTING	X										
-10	L1-12a	SECOND FLOOR OPEN OFFICE LTG	X										
-11	L1-12b	SECOND FLOOR OPEN OFFICE LTG	X										
-12	L1-12c	SECOND FLOOR OPEN OFFICE LTG	X										
-13	L1-13	SECOND FLOOR CORRIDOR LTG	X										
-14	L1-8	EXTERIOR LIGHTING		X									
-15	L1-10	EXTERIOR LIGHTING			X								
-16	L1-6a	FIRST FLOOR OFFICE SPACE	X										
-17	L1-6b	FIRST FLOOR OFFICE SPACE	X										
-18	L1-14a	BOARD ROOM LIGHTING	X										
-19	L1-14b	BOARD ROOM LIGHTING	X										
-20	L1-14c	BOARD ROOM LIGHTING	X										
-21	L1-14d	BOARD ROOM LIGHTING	X										
-22	L1-16a	BOARD ROOM LIGHTING	X										
-23	L1-16b	BOARD ROOM LIGHTING	X										
-24	L1-5c	DISPLAY LIGHTING	X										
-25	P1-23	EXHAUST FAN-1	X										
-26	P2-23	EXHAUST FAN-2	X										
-27		SPARE											
-28		SPARE											
-29													
-30													
-31													
-32													
-33													
-34													
-35													
-36													
-37													
-38													
-39													
-40													
-41													
-42													
-43													
-44													
-45													
-46													
-47													
-48													

SMARTWIRED SWITCHING SYSTEM											
NETWORK CLOCK SCHEDULE											
CHANNEL	DESCRIPTION OF GROUP	AUTOMATION SCENARIO								DATA	
A	General Lighting	☐ SCHEDULED ON/OFF								San Jose, CA M-F 7:00a.m. - 9:00p.m. Blink warn 120 min override	
		☒ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
B	Security	☐ SCHEDULED ON/OFF								San Jose, CA M-F 7:00a.m. - 11:00p.m. Blink warn 120 min override	
		☒ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
C	Night Lighting	☐ SCHEDULED ON/OFF								San Jose, CA 60 min before sunset 60 min after sunrise	
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☒ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
D		☐ SCHEDULED ON/OFF									
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
E		☐ SCHEDULED ON/OFF									
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
F		☐ SCHEDULED ON/OFF									
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
G		☐ SCHEDULED ON/OFF									
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									
H		☐ SCHEDULED ON/OFF									
		☐ MANUAL ON/SCHEDULED OFF									
		☐ MANUAL ON/SWEEP AUTO SW									
		☐ ASTRO (DARK) ON/OFF									
		☐ ASTRO (DARK) ON/SCHED OFF									



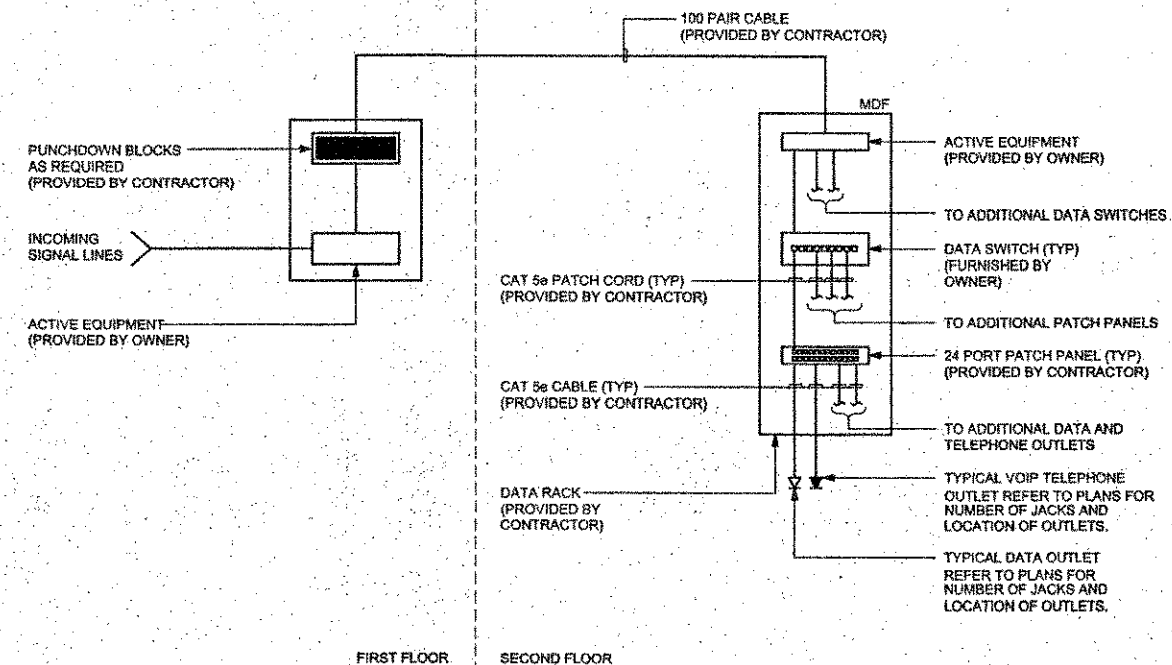
FEEDER SCHEDULE					
TAG	SETS	CONDUCTOR	GROUND	CONDUIT (IN)	REMARKS
1	-	-	-	5	CONDUCTOR PROVIDED BY PG&E
2	1	(4) #2	(1) #8	1 1/4	
3	-	-	-	-	REFER TO EQUIPMENT SCHEDULE FOR FEEDER SIZE.

1 SINGLE LINE DIAGRAM
NOT TO SCALE



DETAIL NOTES
1. ALL DETECTION CIRCUITS SHALL USE TWO (2) #14 AWG, UNLESS OTHERWISE NOTED. SEE VOLTAGE DROP CALCULATIONS FOR NOTIFICATION CIRCUIT CABLE QUANTITY AND SIZE.

3 FIRE ALARM RISER DIAGRAM
NOT TO SCALE



1 DATA / PHONE RISER DIAGRAM
NOT TO SCALE

FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E60.dwg
LAST SAVED ON: 3/09/06 at 11:29am, PLOTTED ON: 3/09/06 at 1:53pm

IDEAS INTEGRATED DESIGN ASSOCIATES INC
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 552-3560, fax: (408) 552-3561

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.464.2222 FAX: 510.464.2242
www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
ADD. 3 03-13-06

© COPYRIGHT 2005

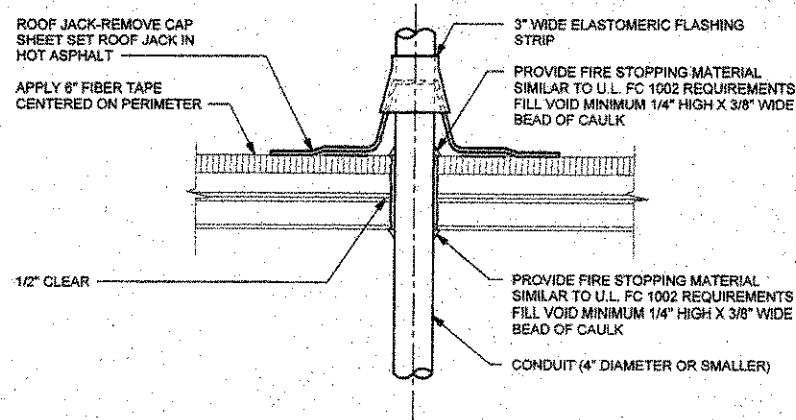


DATE: 12-13-05

JOB NO.: 2513

DIAGRAMS

E6.0

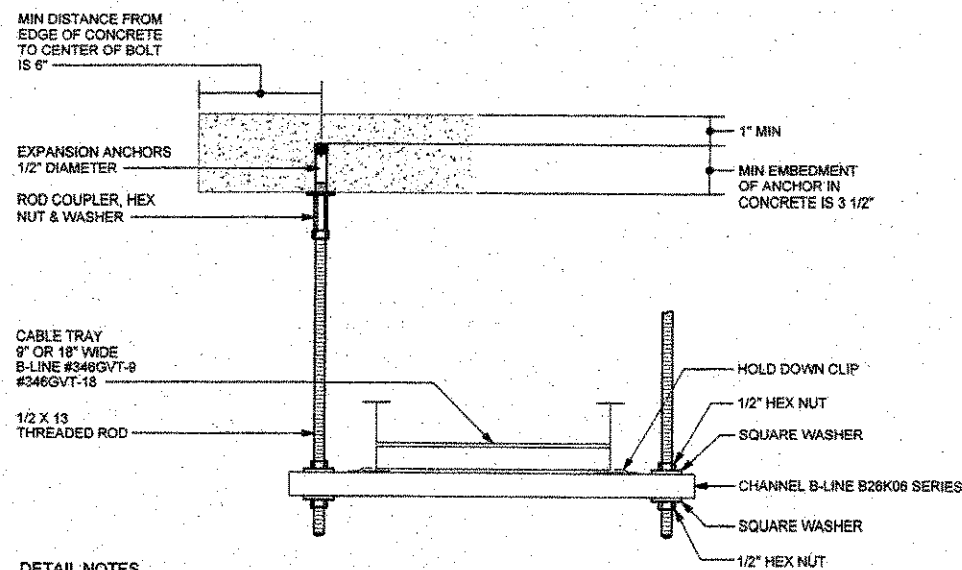


DETAIL NOTES

1. SIMILAR TO U.L. FIRE RESISTANCE DIRECTORY SYSTEM F-C-1002.

5 CONDUIT THROUGH ROOF

NOT TO SCALE

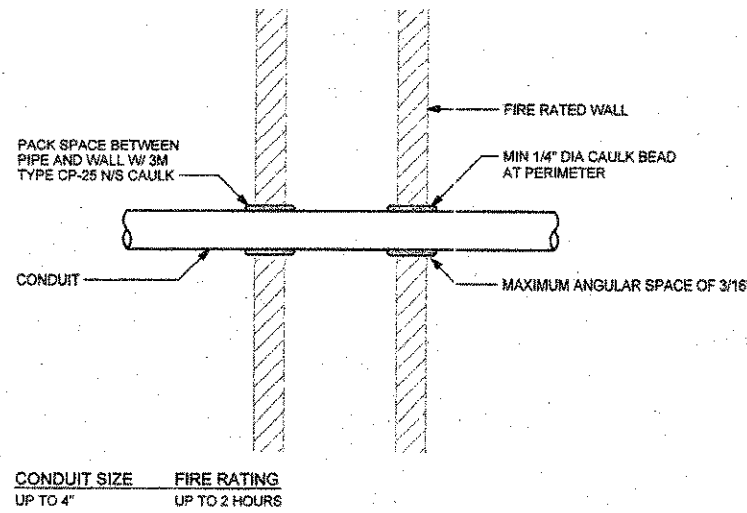


DETAIL NOTES

1. MAXIMUM LOADING OF CABLE TRAYS AS FOLLOWS:
9" CABLE TRAY 28 lbs PER FOOT
18" CABLE TRAY 50 lbs PER FOOT
SUPPORT TO STRUCTURE 8'-0" MAX.

6 LADDER RACK

NOT TO SCALE

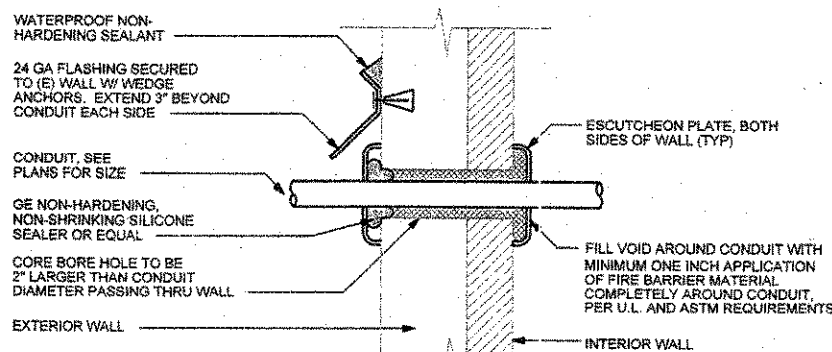


DETAIL NOTES

1. SIMILAR TO U.L. FIRE RESISTANCE DIRECTORY SYSTEM WL-1001.

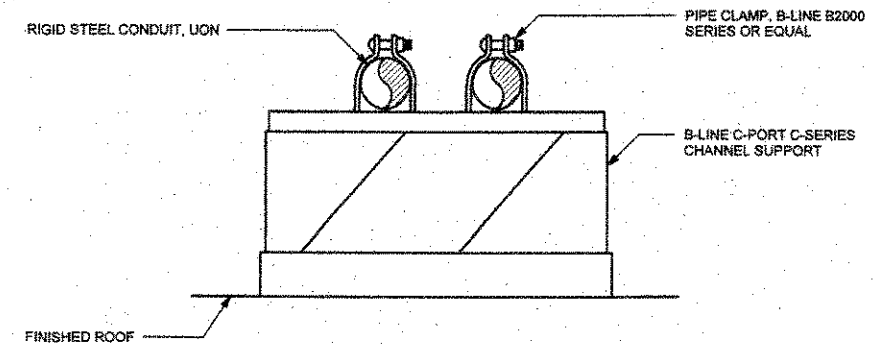
3 CONDUIT THROUGH INTERIOR FIRE WALL

NOT TO SCALE



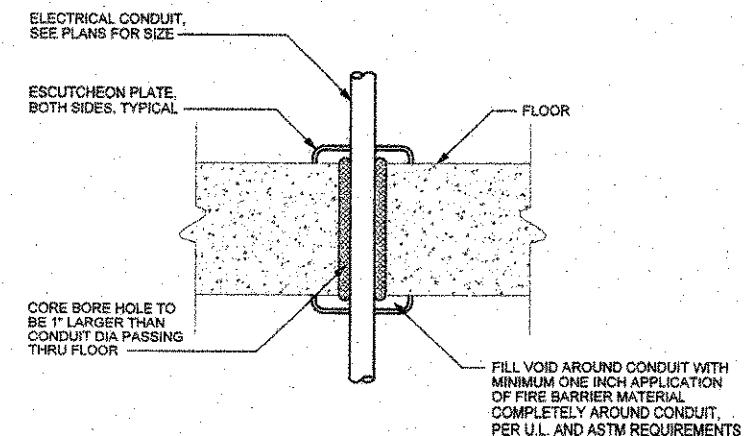
4 CONDUIT THROUGH EXTERIOR WALL

NOT TO SCALE



1 CONDUIT ON RUBBER SUPPORT ON ROOF

NOT TO SCALE



2 CONDUIT THROUGH INTERIOR FLOOR

NOT TO SCALE

FILE LOCATION: P:\Projects\IRE ACWMA 05043\Drawings\05043E70.dwg
LAST SAVED ON: 9/29/05 at 9:42am; PLOTTED ON: 10/5/05 at 3:07pm



IDEAS INTEGRATED DESIGN ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3560, fax: (408) 562-3581

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fx: 510.446.2242
kta@ktarch.com www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

© COPYRIGHT 2005

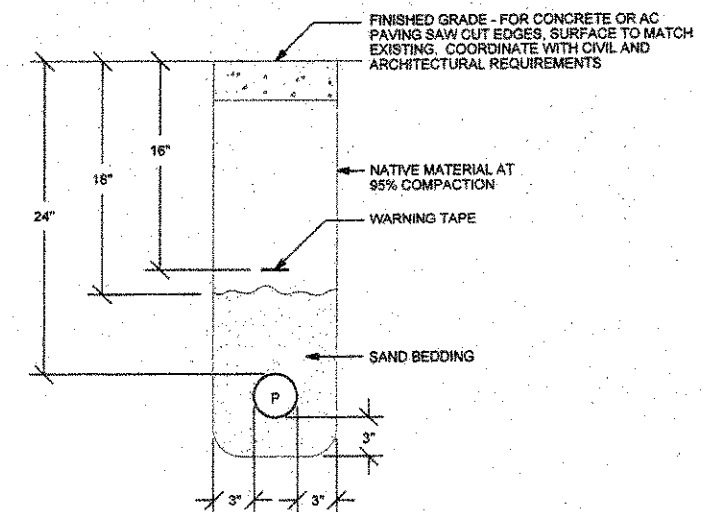
DATE: 12-13-05

JOB NO.: 2513

DETAILS

E7.0

FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E71.dwg
LAST SAVED ON: 9/29/05 at 9:53am, PLOTTED ON: 1/05/06 at 3:07pm



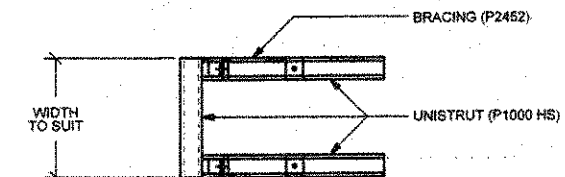
DETAIL NOTES

1. TRENCH PER PG&E STANDARDS.
2. CONDUIT SIZE AND QUANTITY PER PG&E REQUIREMENTS.

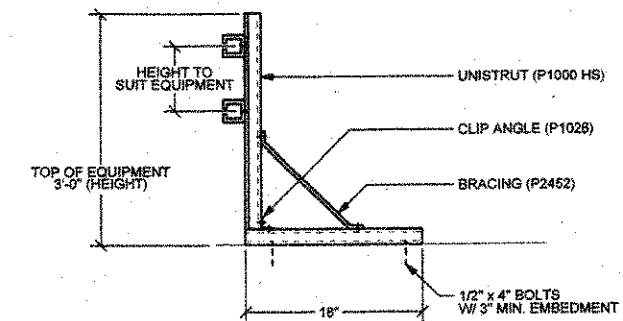
1 TYPICAL PG&E TRENCH

NOT TO SCALE

PLAN



ELEVATION

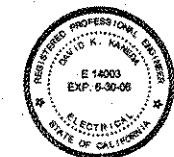


DETAIL NOTES

1. ALL "UNISTRUT" SHALL HAVE PERMA-GREEN FINISH.

2 CHANNEL SUPPORT FOR ELECTRICAL EQUIPMENT

NOT TO SCALE



IDEAS INTEGRATED
DESIGN
ASSOCIATES
INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3590, fax: (408) 562-3561

KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.468.2244 FAX: 510.446.2242
info@ktsarch.com www.ktsarch.com



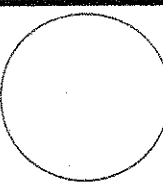
1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND
SEISMIC IMPROVEMENTS

ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. #100
SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS

© COPYRIGHT 2005

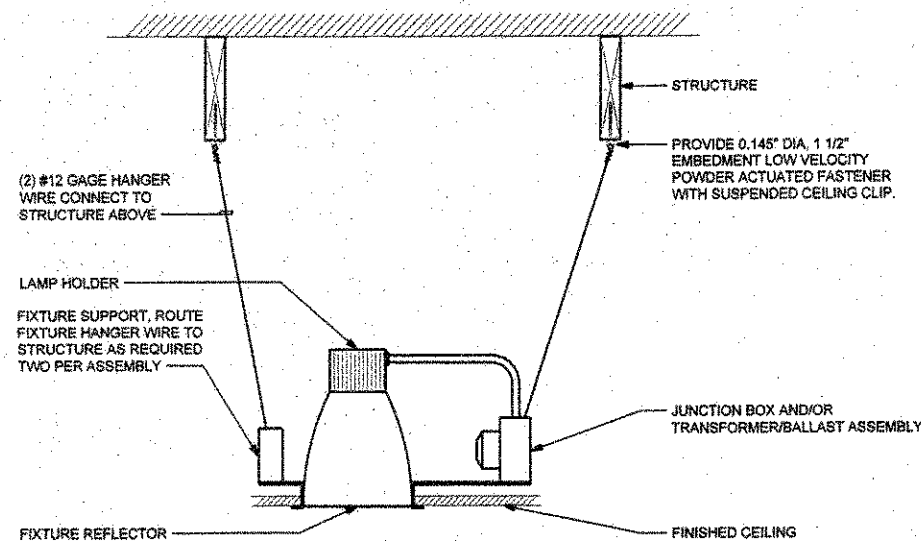


DATE: 12-13-05

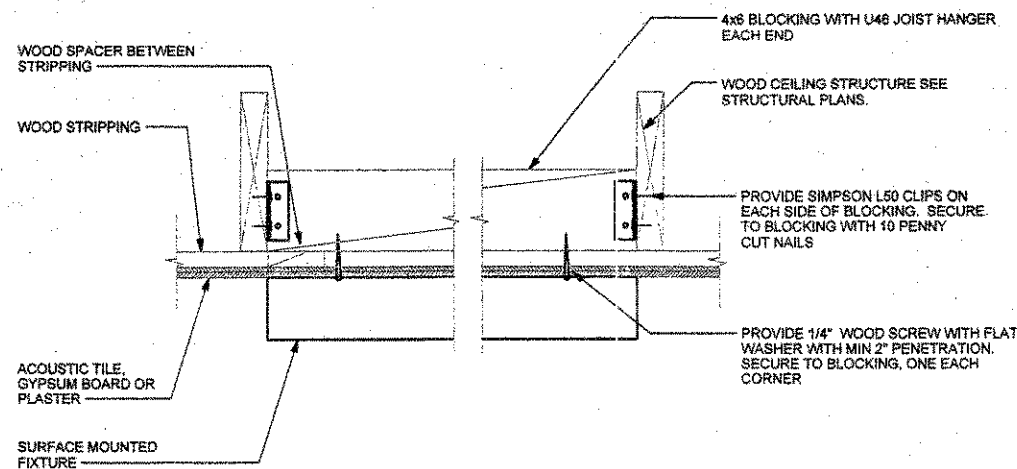
JOB NO.: 2513

DETAILS

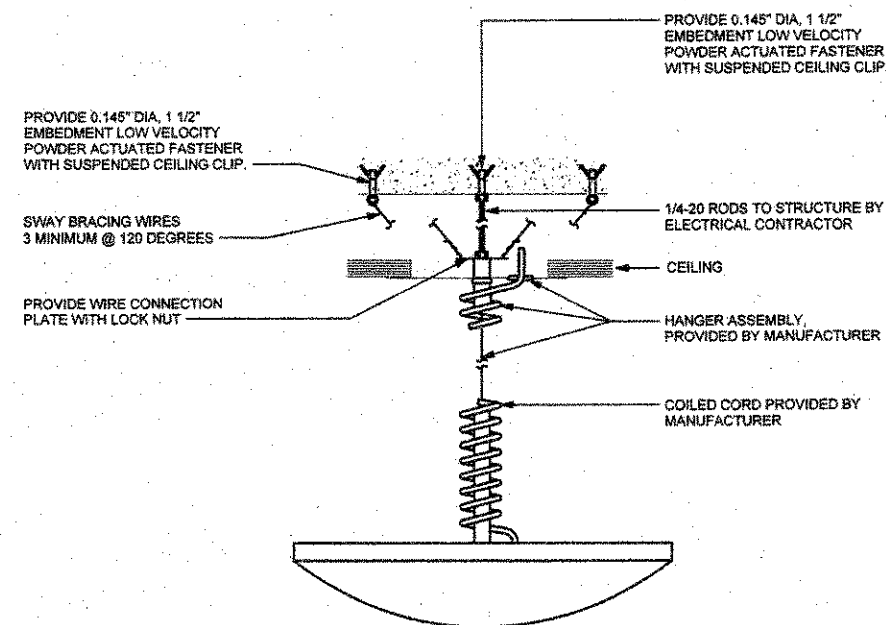
E7.1



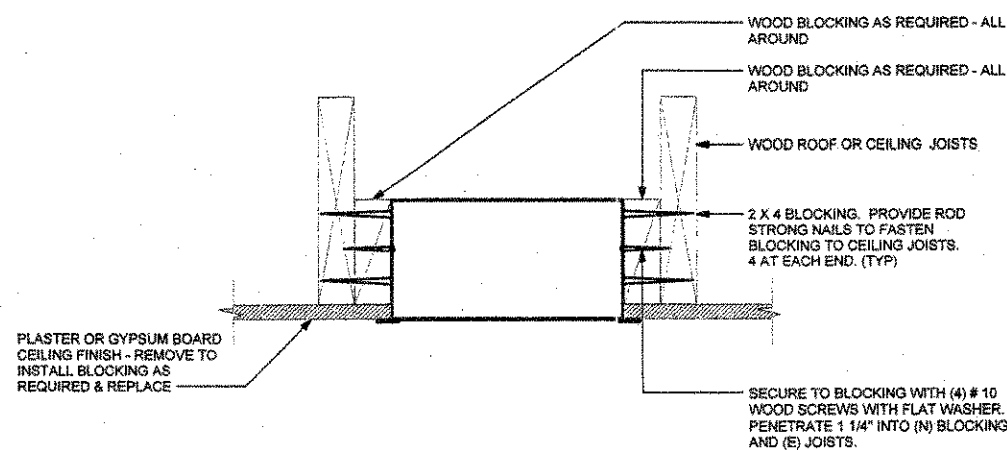
4 DOWNLIGHT FIXTURE MOUNTING
NOT TO SCALE



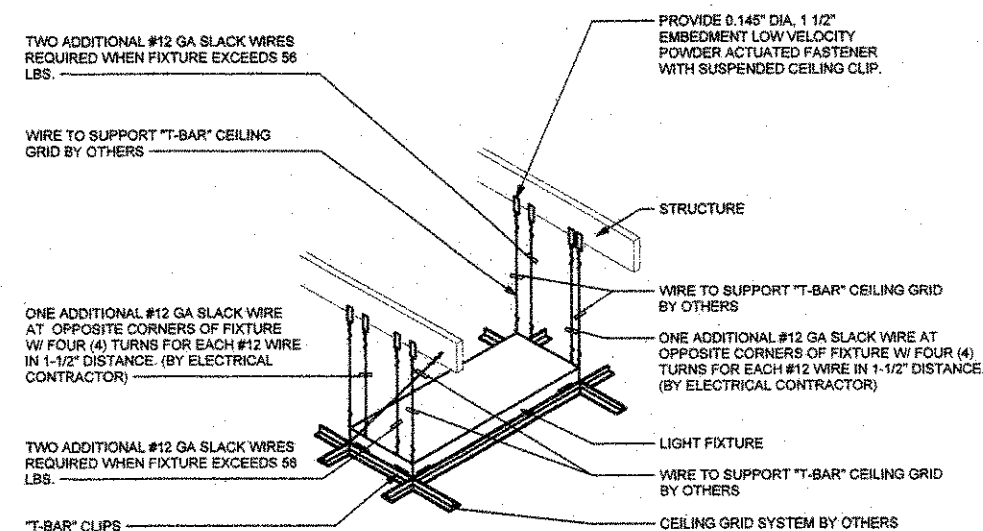
2 SURFACE FIXTURE MOUNTING
NOT TO SCALE



5 CABLE SUSPENDED FIXTURE MOUNTING
NOT TO SCALE



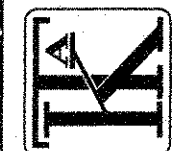
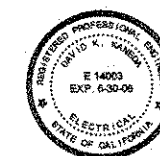
3 RECESSED FIXTURE MOUNTING
NOT TO SCALE



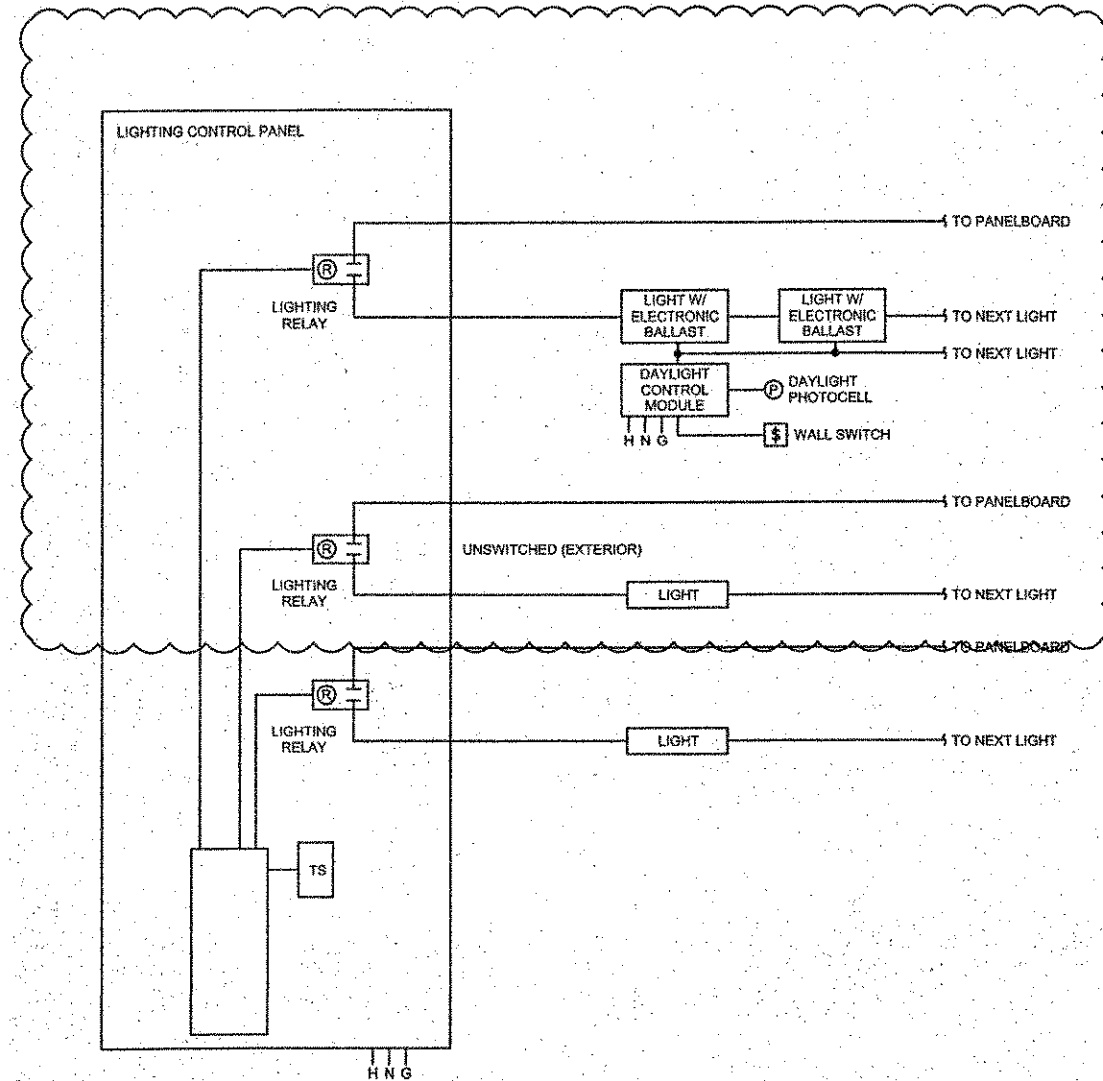
1 2' X 4' GRID FIXTURE MOUNTING
NOT TO SCALE

LIGHT FIXTURE MOUNTING NOTES

1. ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE.
2. FLUSH OR RECESSED LIGHT FIXTURES WEIGHING LESS THAN 55 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO 12 GA SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
3. ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 55 POUNDS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT 12 GA WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED. THE FOUR TAUT 12 GA WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.
4. SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT FEET OR LONGER.
5. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH RODS, HANGER WIRES OR CABLE PASSING THROUGH EACH PENDANT TAB. RODS, HANGER WIRES AND/OR CABLE, SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES AND GRID COORDINATION. VERIFY THAT ADEQUATE CLEARANCE FOR INSTALLATION, MAINTENANCE AND HEAT DISSIPATION IS AVAILABLE BEFORE ORDERING LIGHTING FIXTURES.

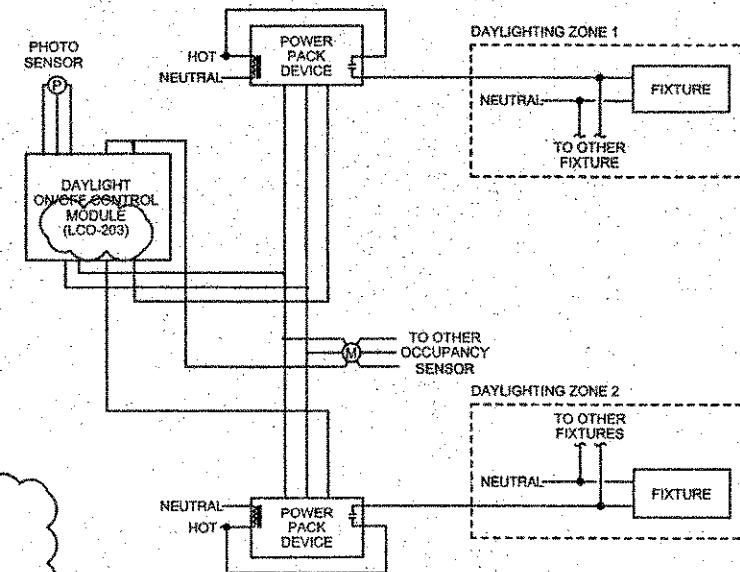


FILE LOCATION: P:\Projects\ACWMA 05043\Drawings\05043E73.dwg
 LAST SAVED ON: 3/09/06 at 1:51pm, PLOTTED ON: 3/09/06 at 1:53pm

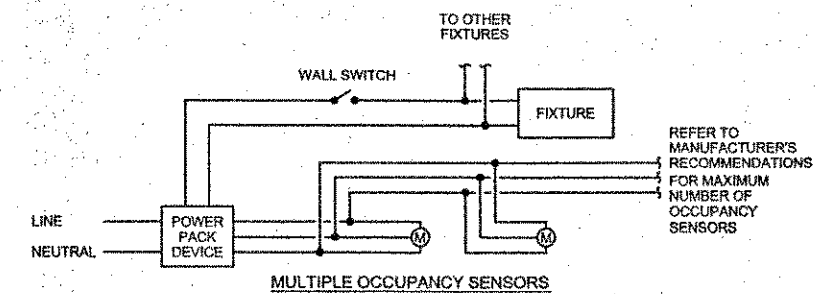
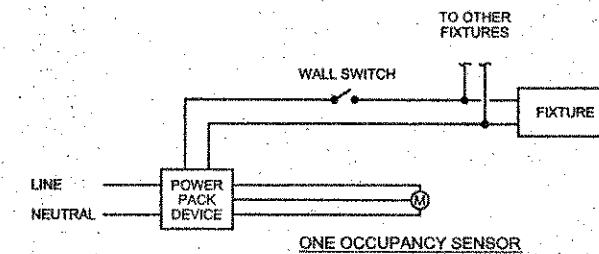


- NOTE:**
1. SET SCHEDULE AS SHOWN ON NETWORK CLOCK AUTOMATION SCENARIO, UNLESS DIRECTED OTHERWISE BY OWNER. REFER TO E5.1.
 2. REFER TO LIGHTING FLOOR PLAN FOR CONTROL TYPES AND QUANTITIES.

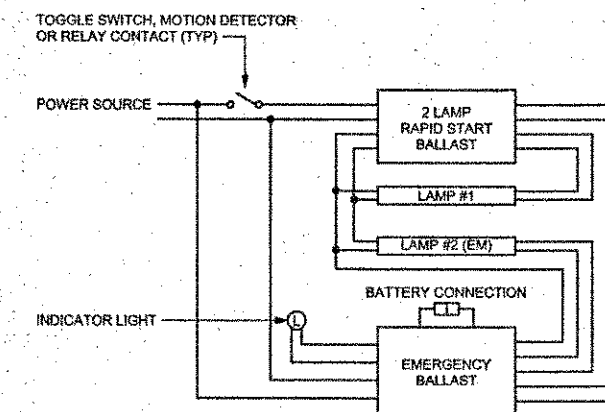
4 LIGHTING CONTROL - DIAGRAM
 NOT TO SCALE



3 DAYLIGHT CONTROL ON/OFF MODULE WITH OCCUPANCY SENSOR WIRING
 NOT TO SCALE



1 OCCUPANCY SENSOR WIRING
 NOT TO SCALE



- DETAIL NOTES**
1. THE INVERTER BALLAST AND AC BALLAST MUST BE FED FROM THE SAME BRANCH CIRCUIT IN ALL CASES, INVERTER BALLAST SHALL BE FED FROM AN UNSWITCHED SOURCE, BASED ON BODINE.

2 TYPICAL SWITCHED ONE LAMP EMERGENCY WIRING
 NOT TO SCALE

IdoAr INTEGRATED DESIGN ASSOCIATES INC
 CONSULTING ELECTRICAL ENGINEERS
 3140 De La Cruz Boulevard, Suite 110
 Santa Clara, California 95054
 tel: (408) 562-3560, fax: (408) 562-3561

KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 OAKLAND, CA 94612
 PH: 510.448.2244 FX: 510.448.2242
 kom@ktarch.com www.ktarch.com



1537 WEBSTER ST. OAKLAND, CA
 BUILDING REHABILITATION AND
 SEISMIC IMPROVEMENTS

ACWMA
 ALAMEDA COUNTY
 WASTE MANAGEMENT AUTHORITY
 777 DAVIS ST. #100
 SAN LEANDRO, CA 94577

PERMIT SET

REVISIONS
 ADDM. 3 03-13-06

© COPYRIGHT 2005

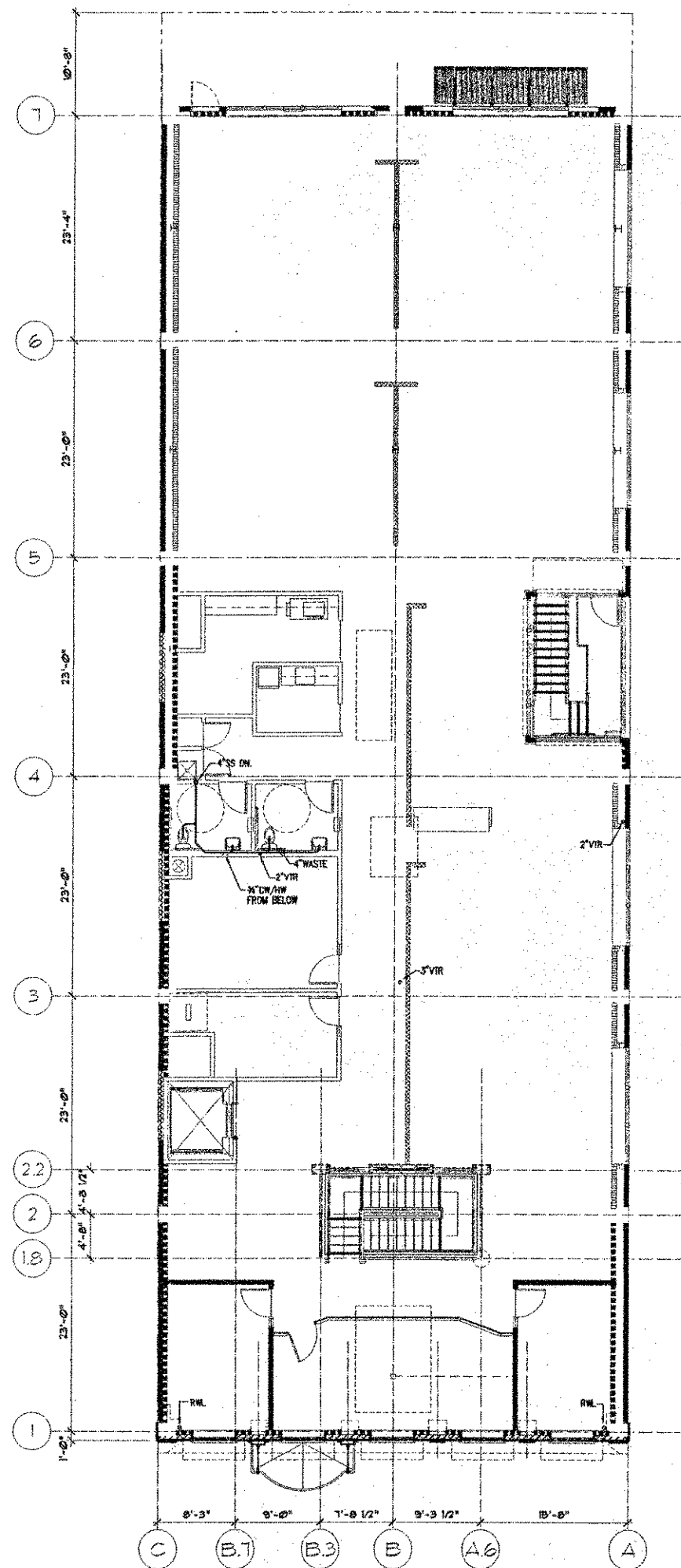


DATE: 12-13-05

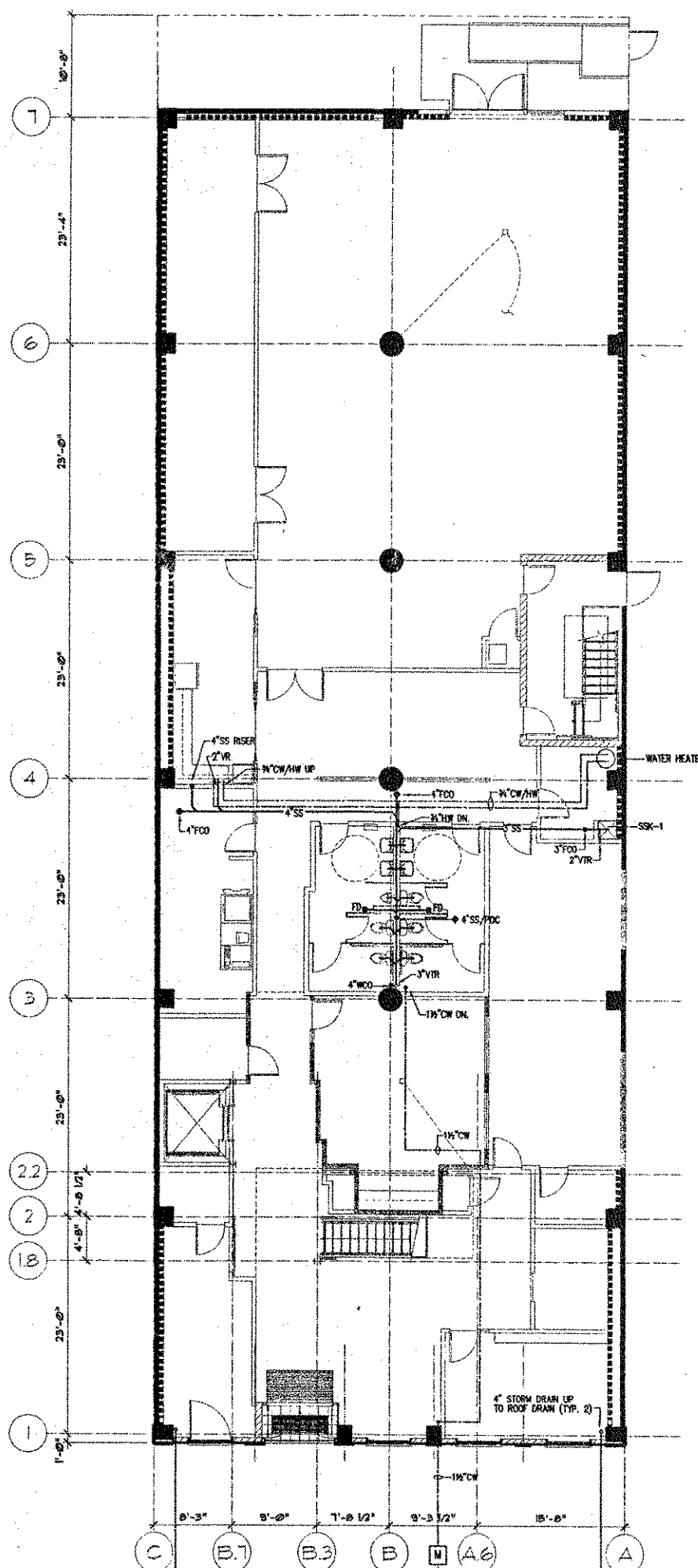
JOB NO.: 2513

DETAILS

E7.3



2 SECOND LEVEL - PLUMBING PLAN
Scale: 1/8"=1'-0"



1 GROUND LEVEL - PLUMBING PLAN
Scale: 1/8"=1'-0"

FIXTURE SCHEDULE				
WC	W	V	CW	HW
LAV	2"	1-1/2"	1/2"	1/2"
UR	2"	2"	3/4"	1/2"
SK	2"	1-1/2"	1/2"	1/2"
SSK	3"	2"	3/4"	3/4"
WH	2"	1-1/2"	3/4"	3/4"
FD	2"	1-1/2"		
WC				

WATER SIZING				
WC	7 C	5 FU	=	36 FU
LAV	6 C	2 FU	=	12 FU
UR	1 C	10 FU	=	10 FU
SK	2 C	2 FU	=	4 FU
SSK	2 C	4 FU	=	4 FU
TOTAL = 66 FU				
48 TO 60 PSI 1-1/2" METER				

SYMBOLS & ABBREVIATIONS	
— CW —	HOT WATER SUPPLY PIPE
— CW —	COLD WATER SUPPLY PIPE
— SS —	SANITARY SEWER PIPE
TYP	TYPICAL
RWL	RAIN WATER LEADER
VTR	VENT THRU ROOF
DN	PIPE DN
UP	PIPE UP
CO	CLEAN OUT
WCO	WALL CLEAN OUT
—	PIPE CONTINUES
OFF	CAPPED FOR FUTURE
FD	FLOOR DRAIN

GROUND LEVEL & SECOND LEVEL PLUMBING PLAN

DRAWN BY: 3/9/06
CHECKED BY: DG
APPROVED BY: DG
SCALE: 1/8" = 1'-0"

△
△
△
△
△

SHEET NUMBER
P1

PROJECT NUMBER

ACWMA
Alameda County

BERKELEY PLUMBING &
HEATING CO.
INCORPORATED

777 Doris Street
San Leandro, CA 94577

2160 Dwight Way
Berkeley, CA 94704
P: 510.845.8200 - F: 510.845.5650