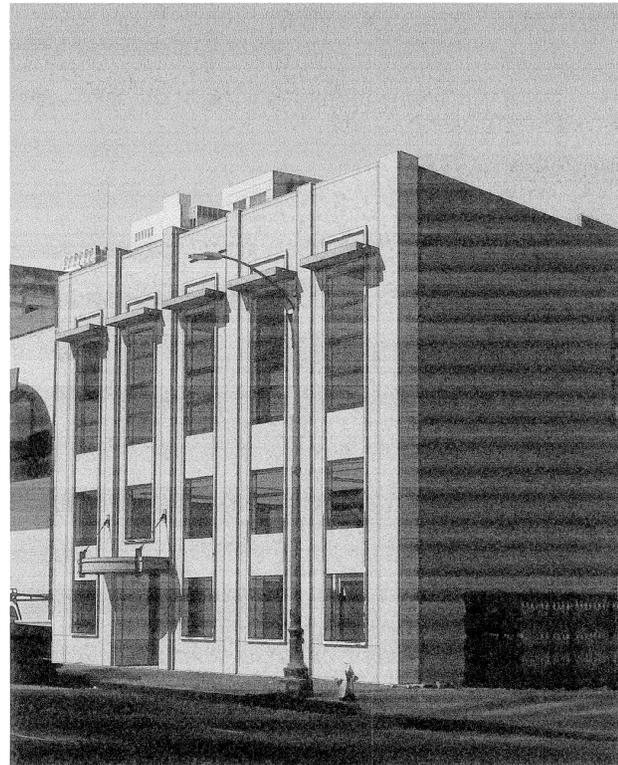
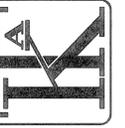


ACWMA OFFICE BUILDING 1537 WEBSTER STREET OAKLAND, CA CONSTRUCTION SET



KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fx: 510.446.2242
kta@ktarch.com 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 03-13-06

© COPYRIGHT 2006



DATE: 02-21-06

DRAWN BY: JS

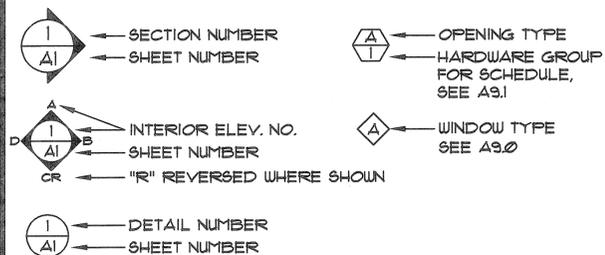
JOB NO.: 2513

A0.0

ABBREVIATIONS:

AB. ANCHOR BOLT	GVL GRAVEL
ADJ. ADJACENT	H.B. HOSE BIB
AFF. 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	HW.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
C.B. CATCH BASIN	M.B. 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	FLAS. PLASTER
CONT. CONTINUOUS	FL. PLATE
C.P.T. CARPET	PL. PROPERTY LINE
C.T. CERAMIC TILE	± PLUS OR MINUS
CTR. CENTER	PLYUD. PLYWOOD
D. DRAIN	FNTD. PAINTED
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
DN. DOWN	RM. ROOM
DR. DOOR	RWL. RAIN WATER LEADER
D.S. DOWNSPOUT	S.C. SOLID CORE
DWG. DRAWING	SGL. SAFETY GLASS
(E) EXISTING	SHT. SHEET
EA. EACH	SHWR. SHOWER
ELEC. ELECTRICAL	SIM. SIMILAR
EPS. EXPANDED POLYSTYRENE	SLDG. SLIDING
EQ. EQUAL	S.F. SQUARE FEET
EXIST. EXISTING	S.S.TL. STAINLESS STEEL
EXP. EXPOSED	S.S.D. SEE STRUCTURAL DRAWINGS
EXP. J.T. EXPANSION JOINT	ST'L. STEEL
EXT. EXTERIOR	STOR. STORAGE
F.D. FLOOR DRAIN	TEMP. TEMPERED
FF.L. FINISH FLOOR LEVEL	THRSH. 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	W.C. WATER CLOSET
GL.B. GLU-LAM BEAM	WD. WOOD
GND. GROUND	WDW. WINDOW
GRD. GRADE	W.P. 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:



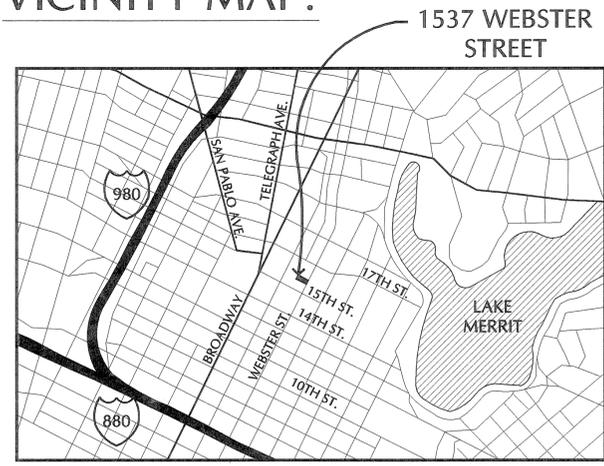
GENERAL NOTES:

- 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 777 Davis Street Ste 100 San Leandro CA 94577 Ph: 510-614-1699	MECHANICAL ENGINEER Contact: Peter Rumsey Rumsey Engineers 99 Linden Street Oakland CA 94607 Ph: 510-663-2070
ARCHITECT Contact: Thomas Towey Komorous-Towey Architects 315 14th Street Oakland CA 94612 Ph: 510-446-2244	ELECTRICAL ENGINEER Contact: Ryan Stromquist Integrated Design Associates 3140 De La Cruz Blvd Ste 110 Santa Clara CA 95054 Ph: 408-562-3560
STRUCTURAL ENGINEER Contact: Sunil Gupta OLMM Consulting Engineers 1404 Franklin Street Ste 350 Oakland CA 94612 Ph: 510-433-0828	GENERAL CONTRACTOR Contact: Joel Meltzer BBI Contractors 1155 Third Street Suite 230 Oakland, CA 94607 Ph: 510-286-8200

VICINITY MAP:



DOWNTOWN OAKLAND, CA

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**
 - A00 COVER SHEET
 - A01 PROJECT INFORMATION AND INDEX
 - A02 DEMOLITION PLANS
 - A03 SITE PLAN
 - A10 FLOOR PLANS, GROUND AND LID
 - A11 FLOOR PLANS, SECOND AND ROOF
 - A20 REFLECTED CEILING PLANS
 - A21 FURNITURE PLANS
 - A22 FLOOR FINISH PLANS
 - A23 EDGE OF SLAB PLANS
 - A30 BUILDING ELEVATIONS
 - A40 BUILDING SECTIONS
 - A41 WALL SECTIONS
 - A50 STAIR 1 PLANS AND DETAILS
 - A51 STAIR 2 PLANS AND DETAILS
 - A52 CANOPY PLANS AND ELEVATIONS

SHEET INDEX:

- ARCHITECTURAL - CONT.**
 - A53 ELEVATOR PLAN, ELEVATIONS, SECTIONS AND DETAILS
 - A60 RESTROOM PLANS AND ELEVATIONS
 - A61 MAIN ENTRY/ RECEPTION DETAILS
 - A62 INTERIOR ELEVATIONS
 - A63 DETAILS
 - A64 FINISH FLOOR PATTERNS
 - A70 PLAN DETAILS AND FRAMING STANDARDS
 - A71 SECTION DETAILS
 - A80 WALL TYPES
 - A81 DETAILS
 - A82 DETAILS
 - A83 CABINETS DETAILS
 - A90 WINDOW SCHEDULE
 - A91 DOOR SCHEDULE
 - A92 FINISH SCHEDULE
 - A93 WINDOW DETAILS
- STRUCTURAL**
 - S01 GENERAL NOTES
 - S02 GENERAL NOTES
 - S03 TYPICAL CONCRETE DETAILS
 - S04 TYPICAL STEEL DETAILS
 - S10 FLOOR PLANS, FOUNDATION AND GROUND
 - S11 FLOOR PLANS, SECOND AND ROOF
 - S31 ELEVATIONS
 - S41 CONCRETE DETAILS
 - S51 STEEL BRACED FRAME DETAILS
 - S61 FOUNDATION DETAILS
 - S62 FOUNDATION DETAILS
 - S71 COLLECTOR DETAILS
 - S91 STEEL DETAILS
- MECHANICAL**
 - M01 EQUIPMENT SCHEDULES HVAC
 - M02 EQUIPMENT SCHEDULES HVAC
 - M20 FLOOR PLANS, GROUND AND LID
 - M21 FLOOR PLANS, SECOND FLOOR AND ROOF
 - M101 TITLE 24 FORMS
 - M102 TITLE 24 FORMS
 - M103 TITLE 24 FORMS
 - M104 TITLE 24 FORMS
- ELECTRICAL**
 - E00 GENERAL INFORMATION
 - E30 FIRST AND SECOND FLOOR LIGHTING PLANS
 - E31 LID FLOOR LIGHTING PLAN
 - E40 FIRST AND SECOND FLOOR ELECTRICAL PLANS
 - E41 ROOF ELECTRICAL PLAN
 - E50 SCHEDULES
 - E51 SCHEDULES
 - E60 DIAGRAMS
 - E70 DETAILS
 - E71 DETAILS
 - E72 DETAILS
 - E73 DETAILS

PLUMBING
Pl - Ground Level & Second Level Plumbing Plan

KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 OAKLAND, CA 94612
 Ph: 510-446-2244 Fx: 510-446-2242
 ka@ktarch.com www.ktarch.com



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

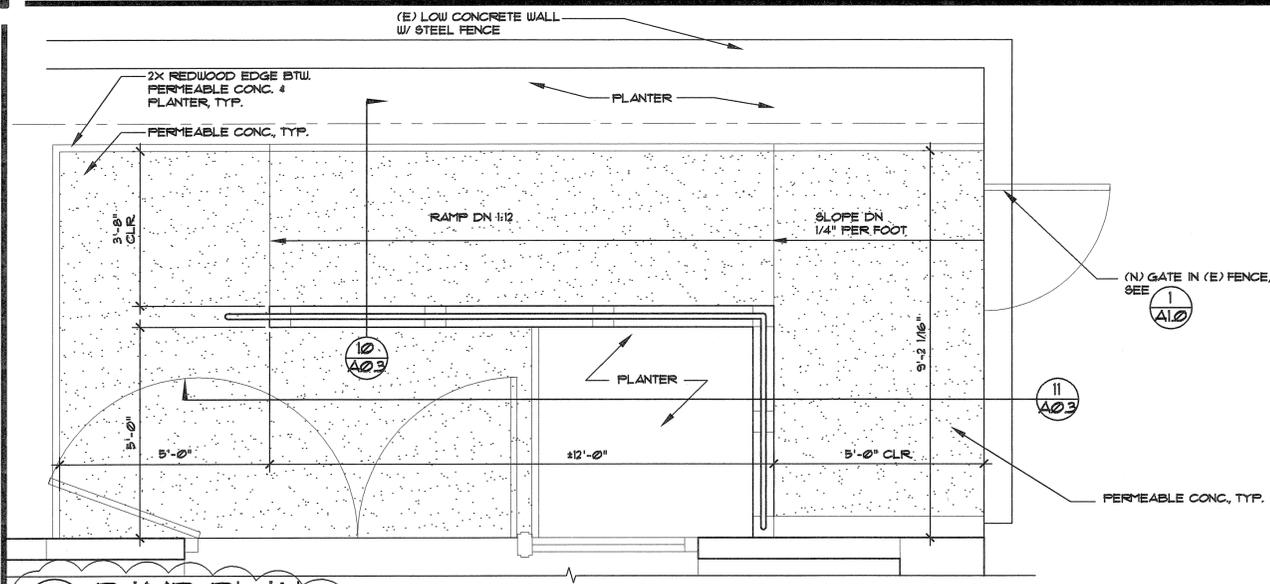
ACWMA
 ALAMEDA COUNTY
 WASTE MANAGEMENT AUTHORITY
 777 DAVIS ST. # 100
 SAN LEANDRO, CA 94577

PERMIT SET
 REVISIONS
 ADDM. 3 03-13-06
 © COPYRIGHT 2006

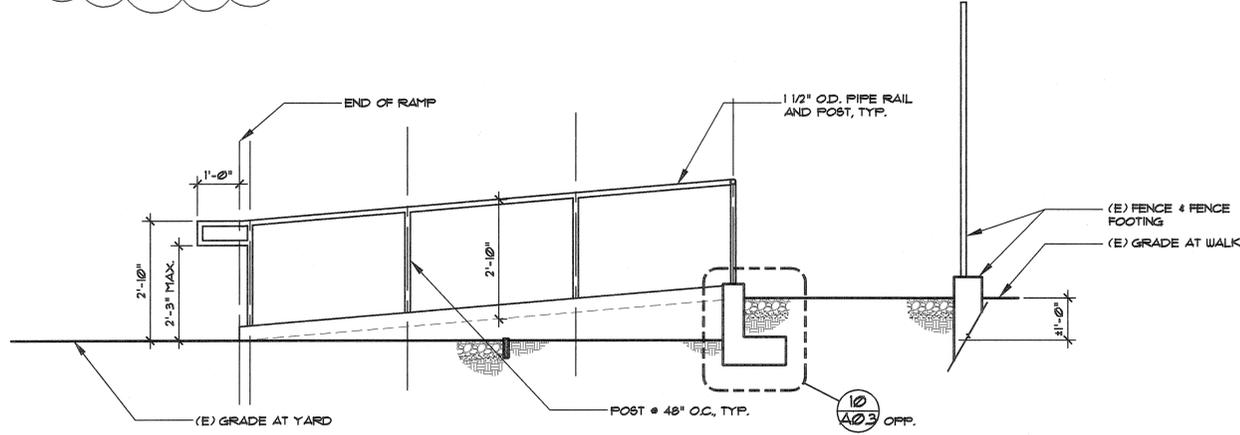


DATE: 02-21-06
 DRAWN BY: vv
 JOB NO.: 2513

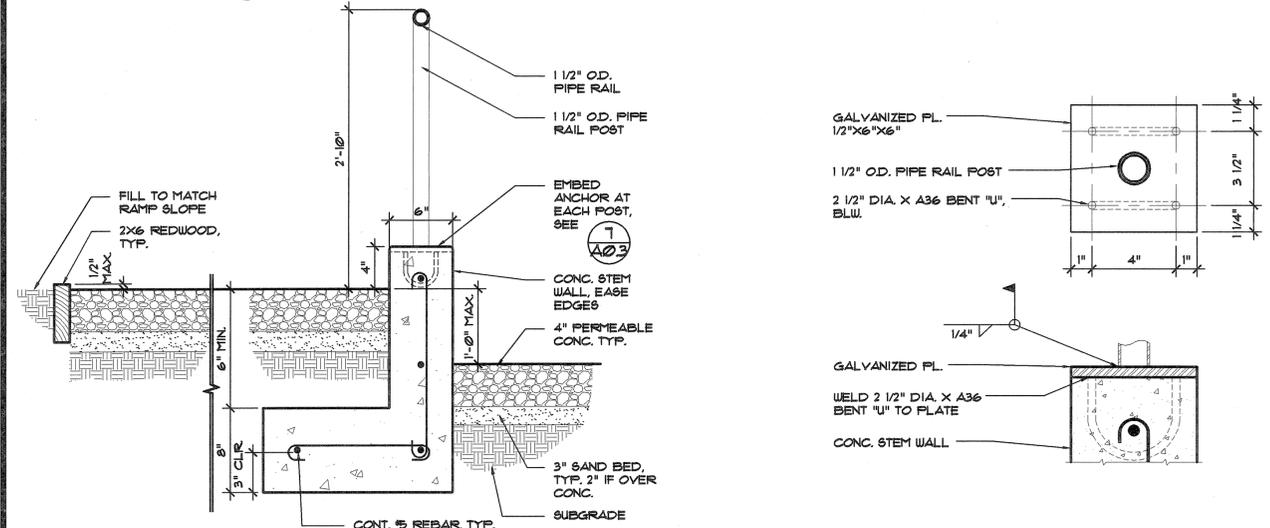
A0.1



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

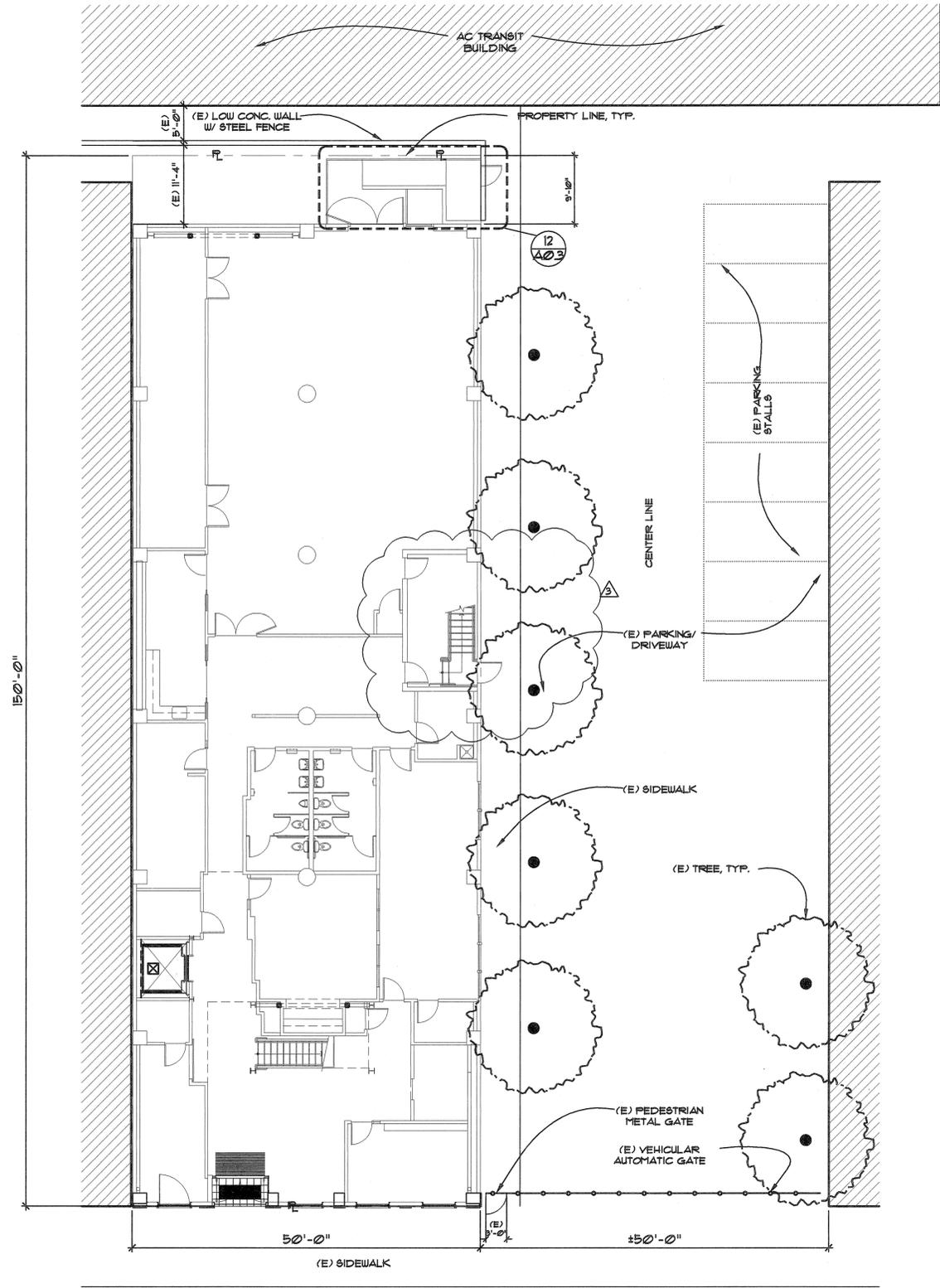


11 RAMP ELEVATION
A0.3 SCALE: 1/2" = 1'-0"



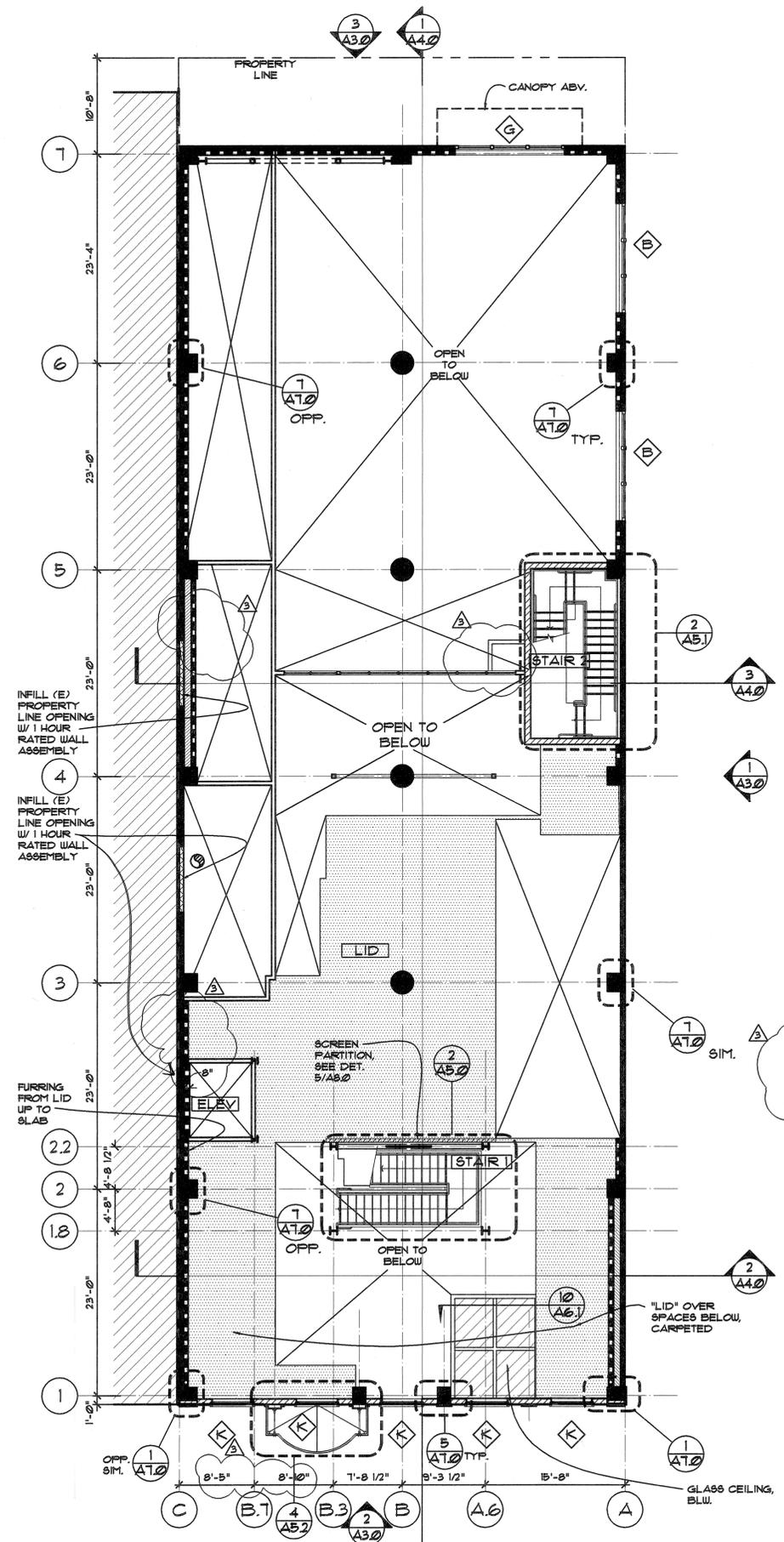
10 SECTION
A0.3 SCALE: 1/2" = 1'-0"

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

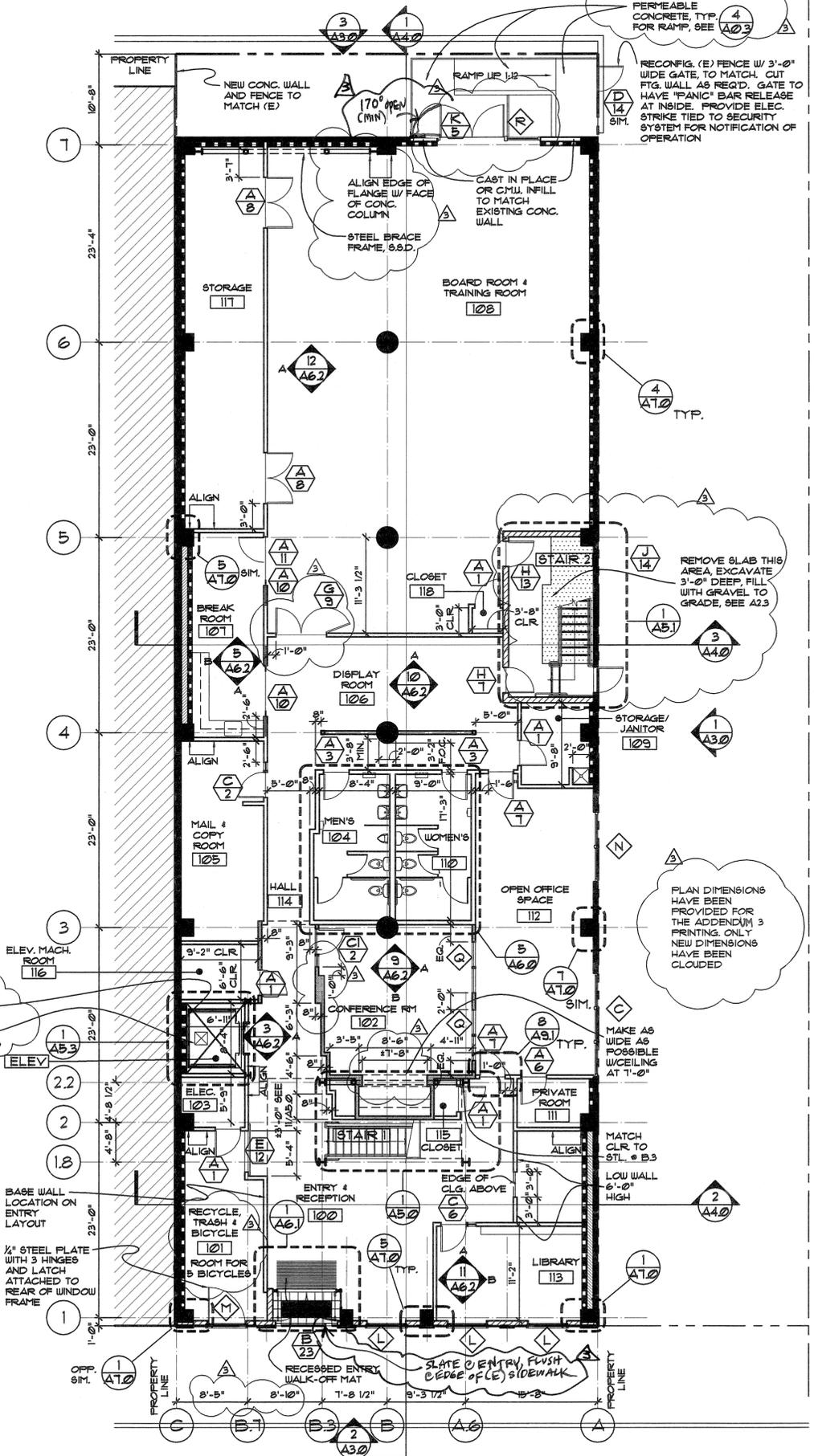


4 SITE PLAN
A0.3 SCALE: 1" = 10'





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



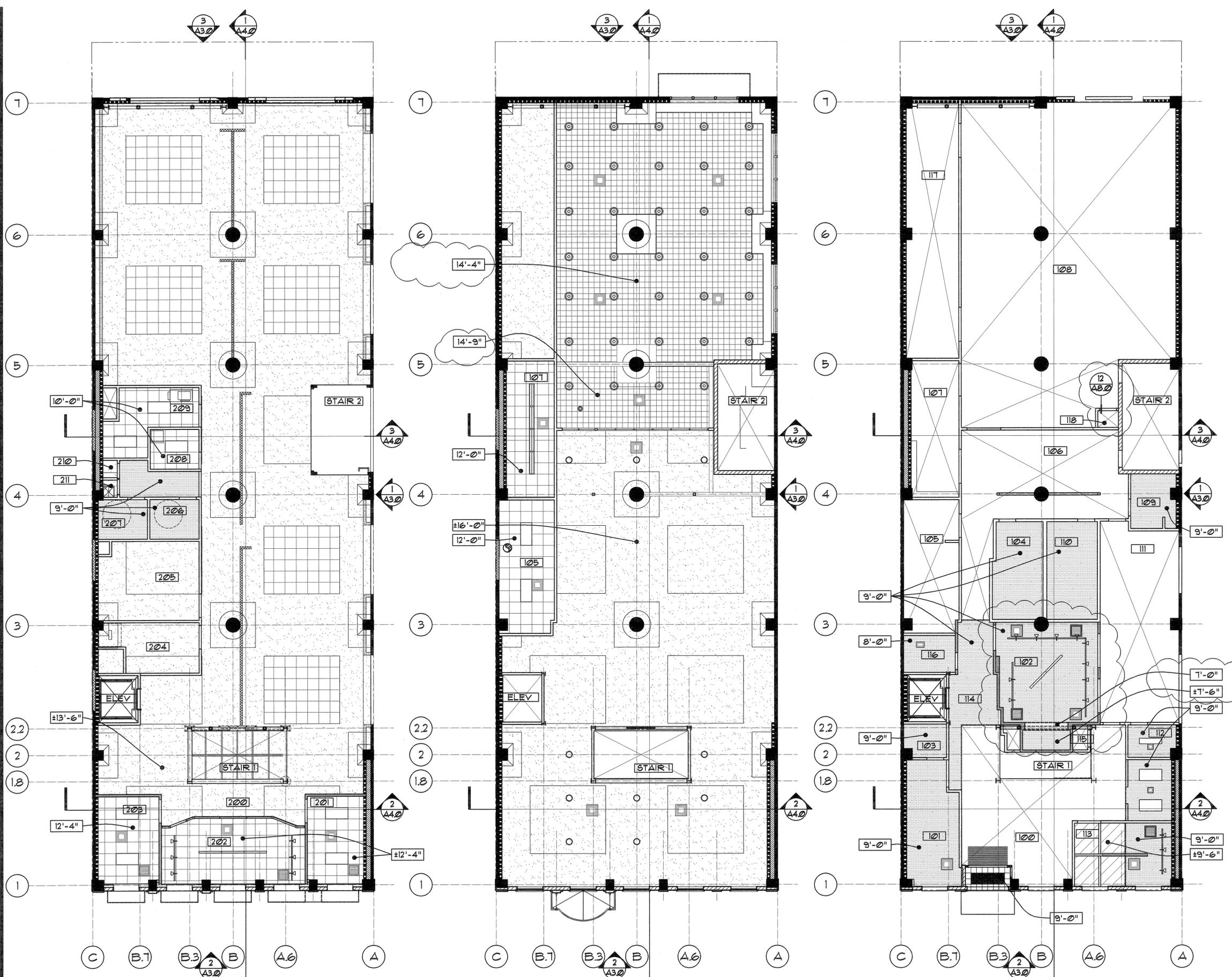
1 FLOOR PLAN - GROUND LEVEL
 SCALE: 1/8" = 1'-0"

- KEY NOTES:**
- INFILL ALL (E) SLAB OPENINGS, TYP. 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**
- 1 KEY NOTE, SEE ABOVE



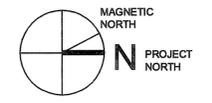


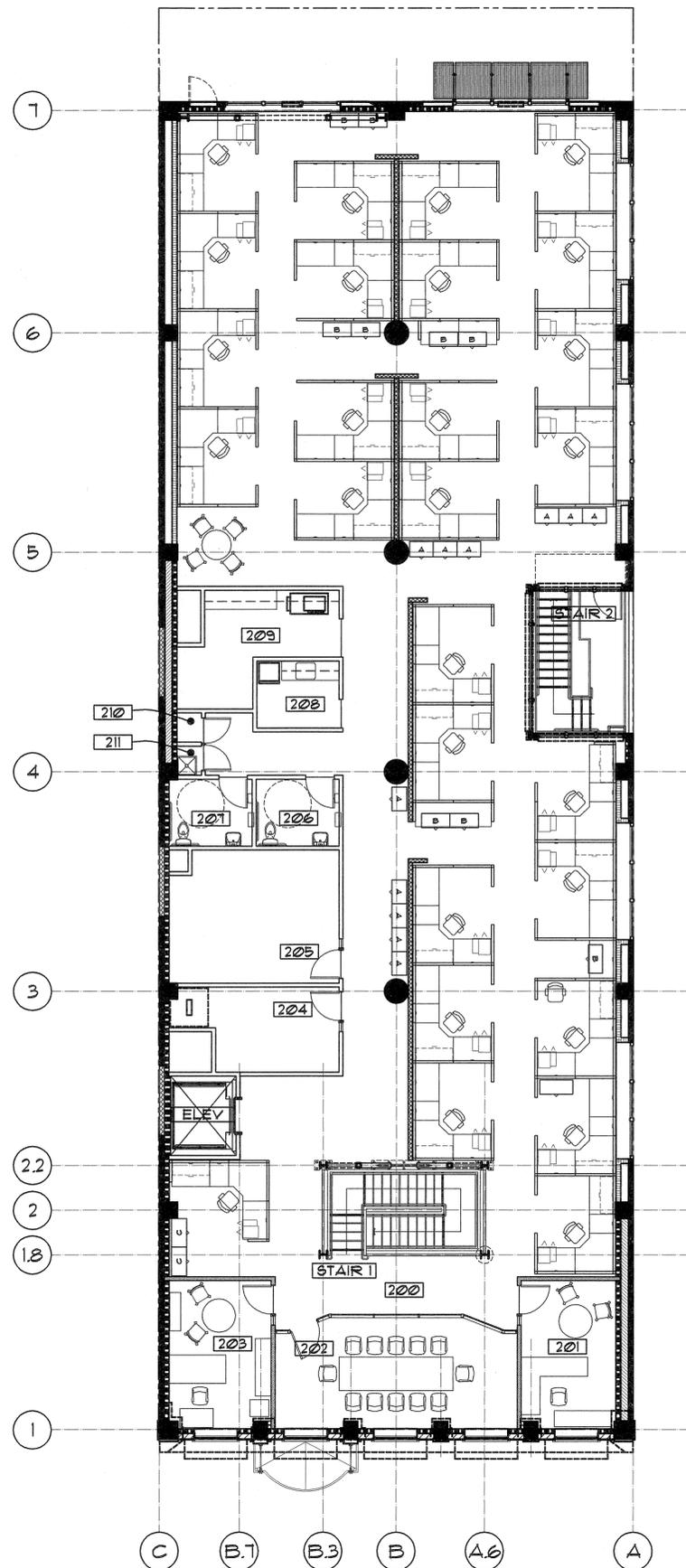
3 RCP - SECOND LEVEL
 A2.0 SCALE: 1/8" = 1'-0"

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

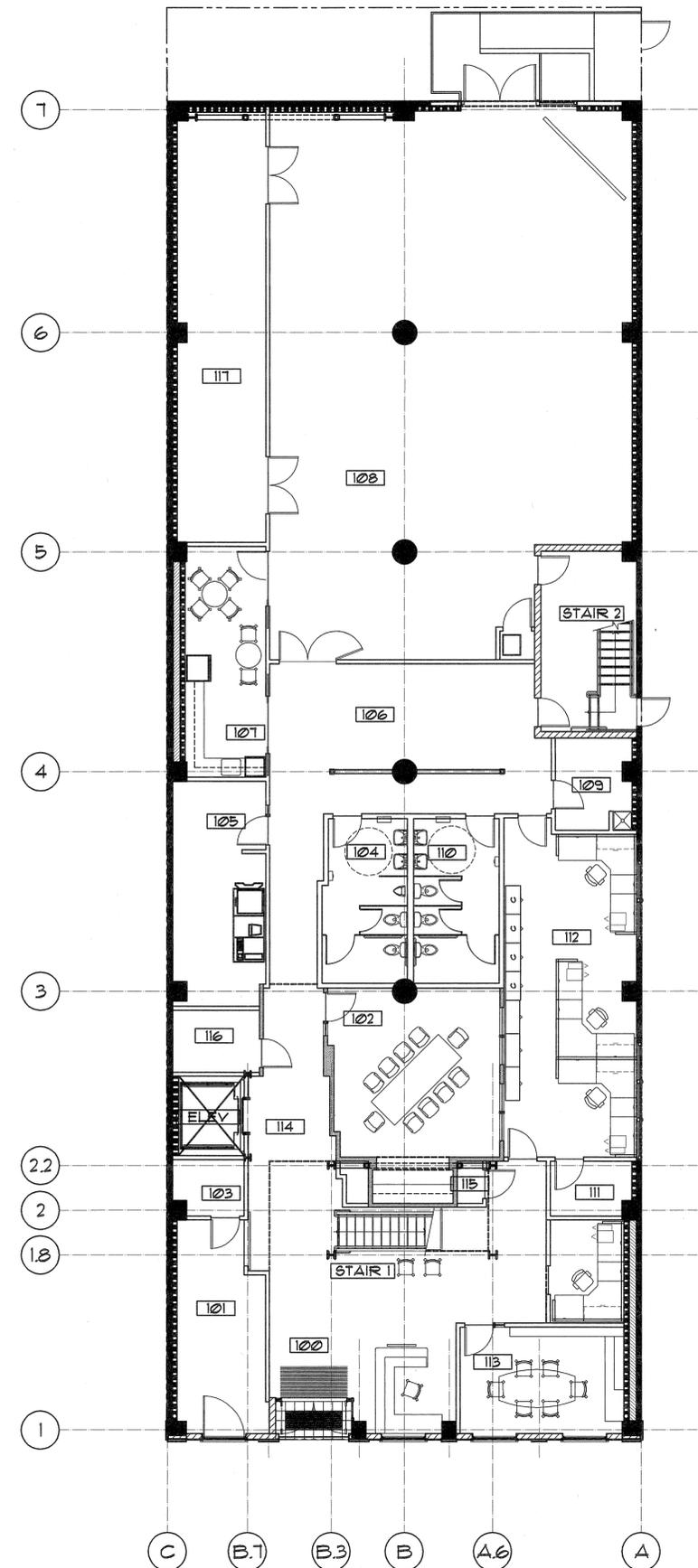
1 RCP - GROUND LEVEL
 A2.0 SCALE: 1/8" = 1'-0"

- 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"





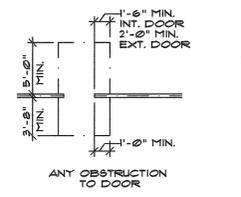
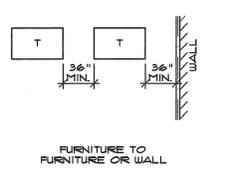
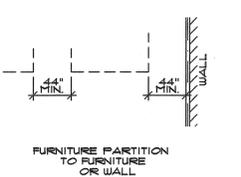
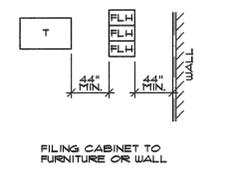
3 FURNITURE PLAN - SECOND LEVEL
A2.1 SCALE: 1/8" = 1'-0"



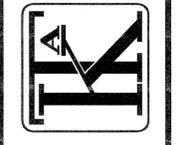
1 FURNITURE PLAN - GROUND LEVEL
A2.1 SCALE: 1/8" = 1'-0"

KEY NOTES:
① NOT USED

KEY FOR CIRCULATION CLEARANCES



KOMOROUS-TOWEY
ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.466.2244
WWW.KTARCH.COM



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

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: JS

JOB NO.: 2513

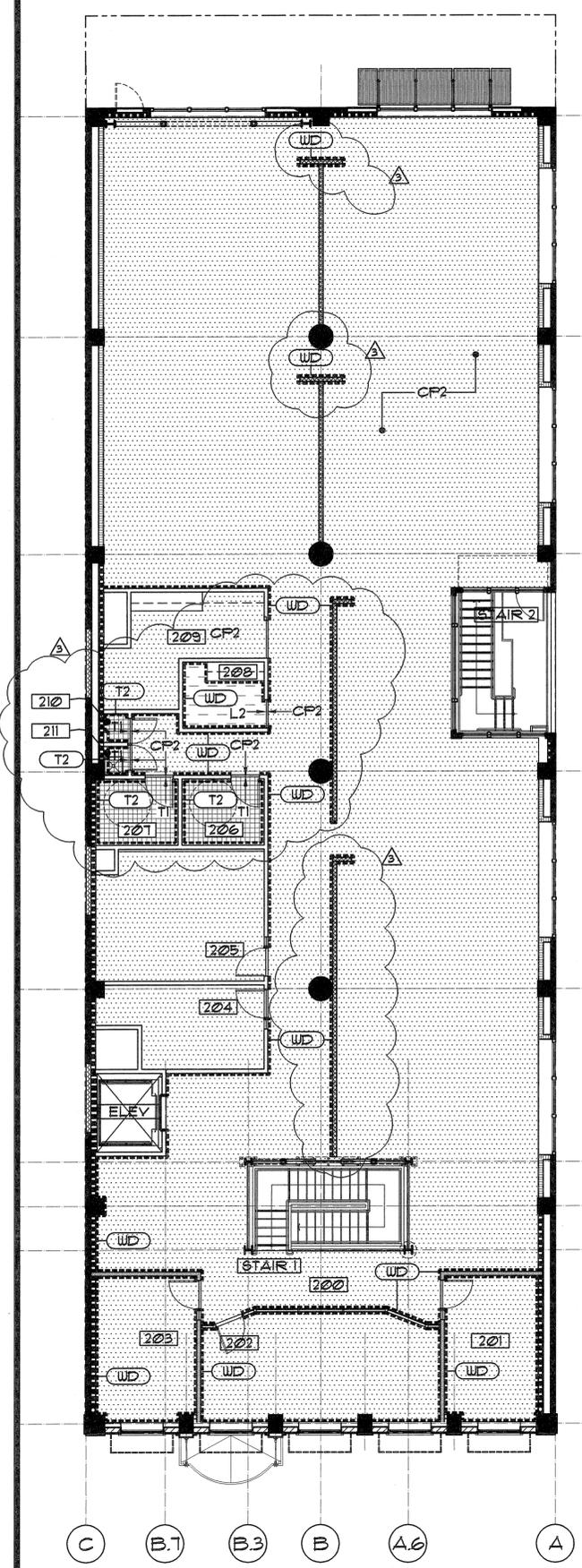
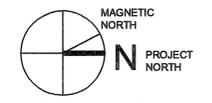
A2.1

FINISH PLAN SHEET NOTES:

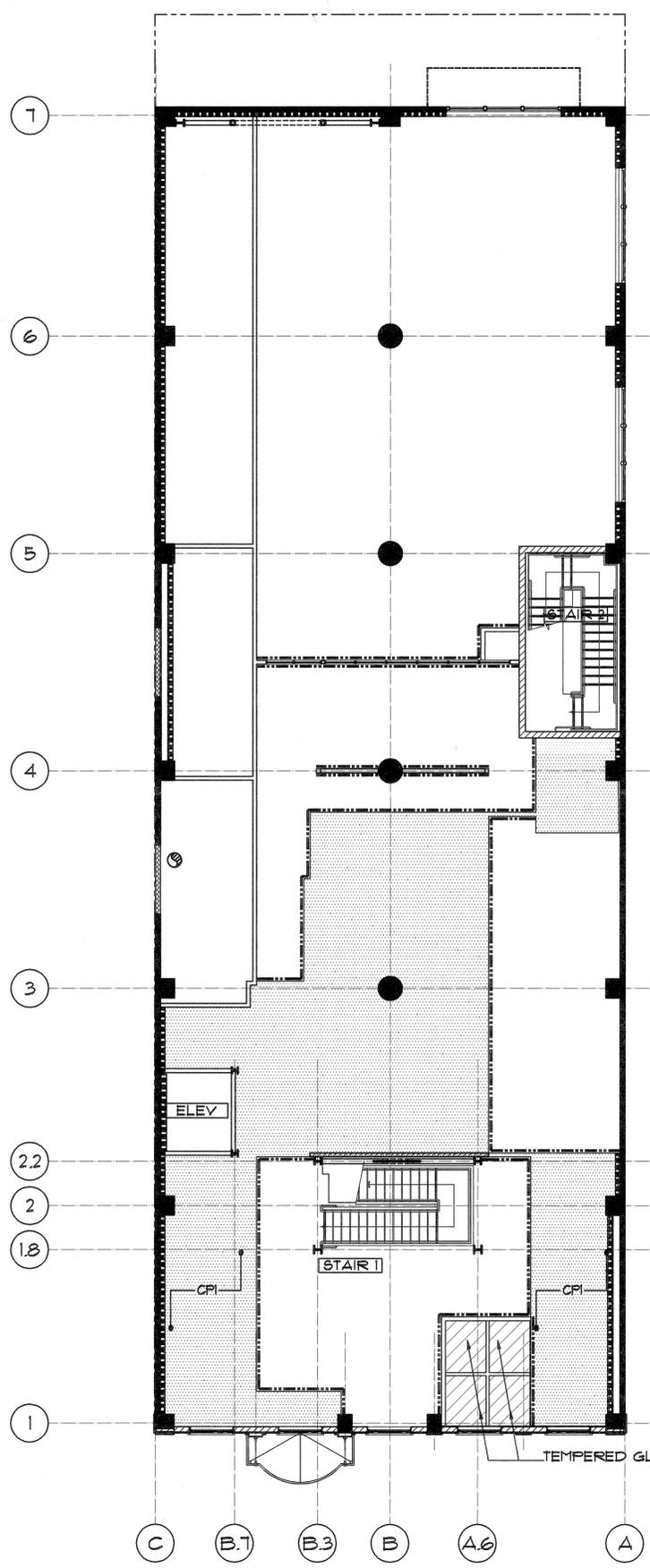
- SEE SHEET A92 FOR FINISH SCHEDULE AND ADDITIONAL SPECIFIC FINISH MATERIALS INDICATED
- PROVIDE A 4" HIGH RUBBER BASE AT ALL WALLS FOR WHICH NO OTHER BASE IS INDICATED. SEE FINISH SCHEDULE
- NOT USED
- FOR THRESHOLD DETAILS SEE SHEET A81

FINISH LEGEND

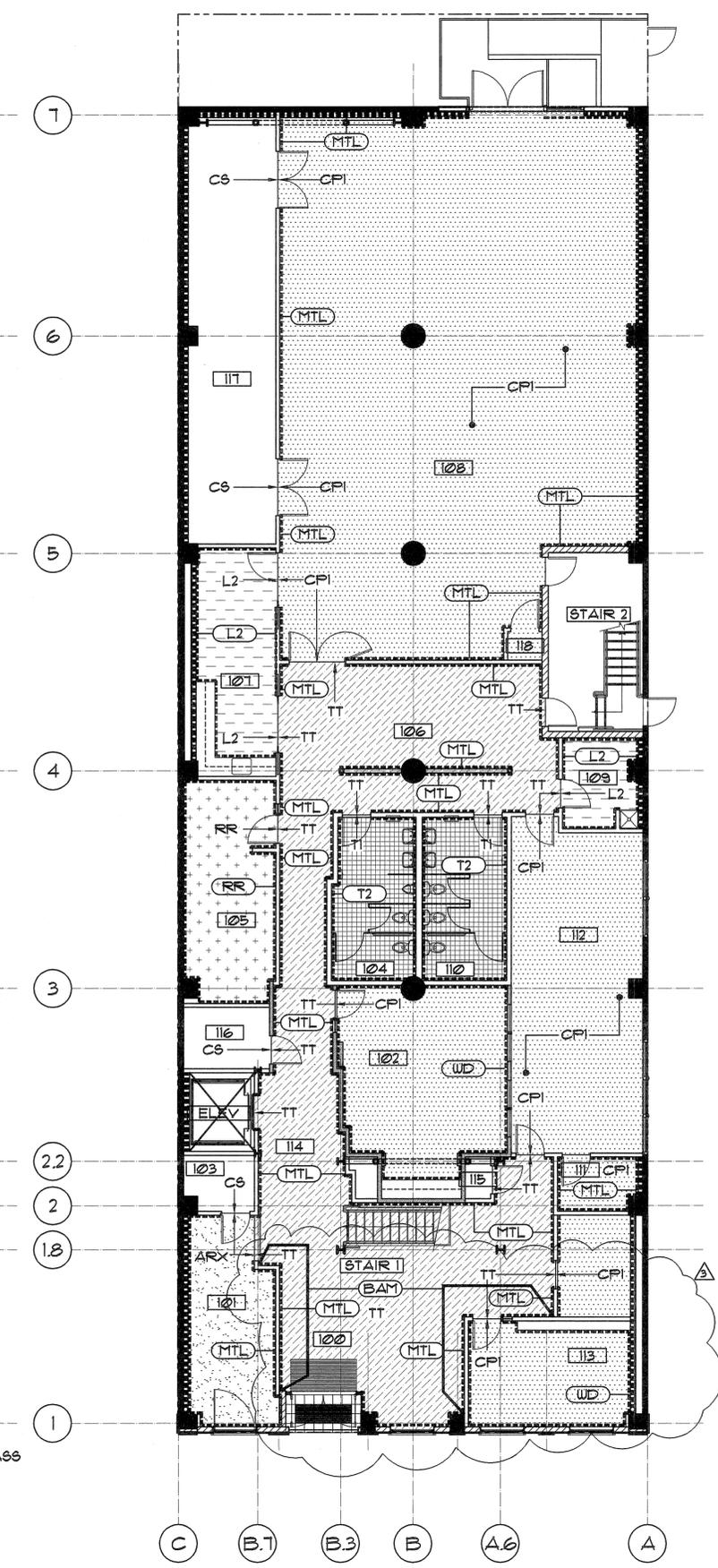
-  TT = TERRAZZO FLOOR
-  ARX = ARDEX
-  CPI OR CP2 = CARPET
-  T1 = CERAMIC FLOOR TILE
-  L2 = LINOLEUM
-  RR = RECYCLED RUBBER TILE
-  CS = CONCRETE SEALER
-  STEEL TRIM, 3/4" x 3/8" UNO.
-  WALL BASE, MATERIAL AS INDICATED
-  MTL = STEEL BASE, 3/4" x 1/2"
-  WD = WOOD BASE, 3/4" x 1/2"
-  T2 = CERAMIC TILE BASE, T2
-  RR = RUBBER TILE INTEGRAL COVE BASE, 2/4" x 1/2"
-  LI = LINOLEUM INTEGRAL COVE BASE, 2/4" x 1/2"
-  BAM = BAMBOO VENEER WALL FINISH



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



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



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

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 FINISH PLANS

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

A2.2

LEGEND

- (A) CEMENT PLASTER W/ SMOOTH TROUPEL FINISH
- (B) CEMENT PLASTER
- (C) ALLCOBOND
- (D) SLATE

KOMOROS-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
 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

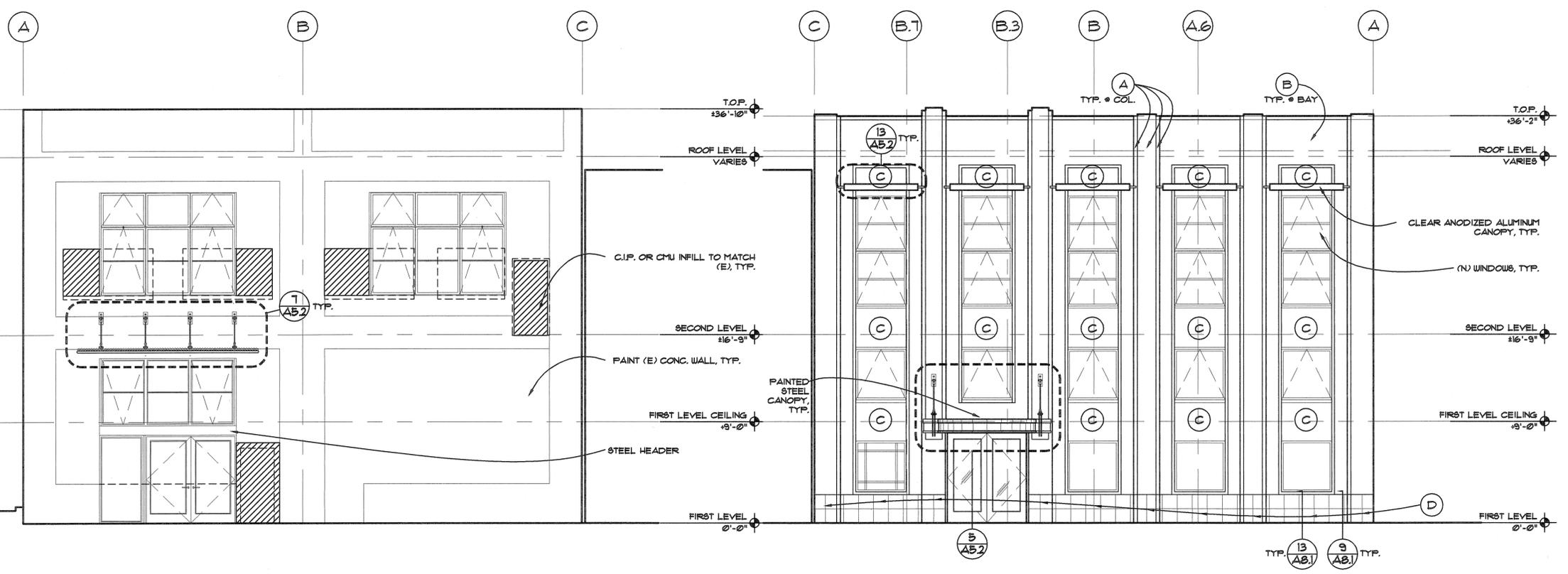


DATE: 02-21-06

DRAWN BY: MC

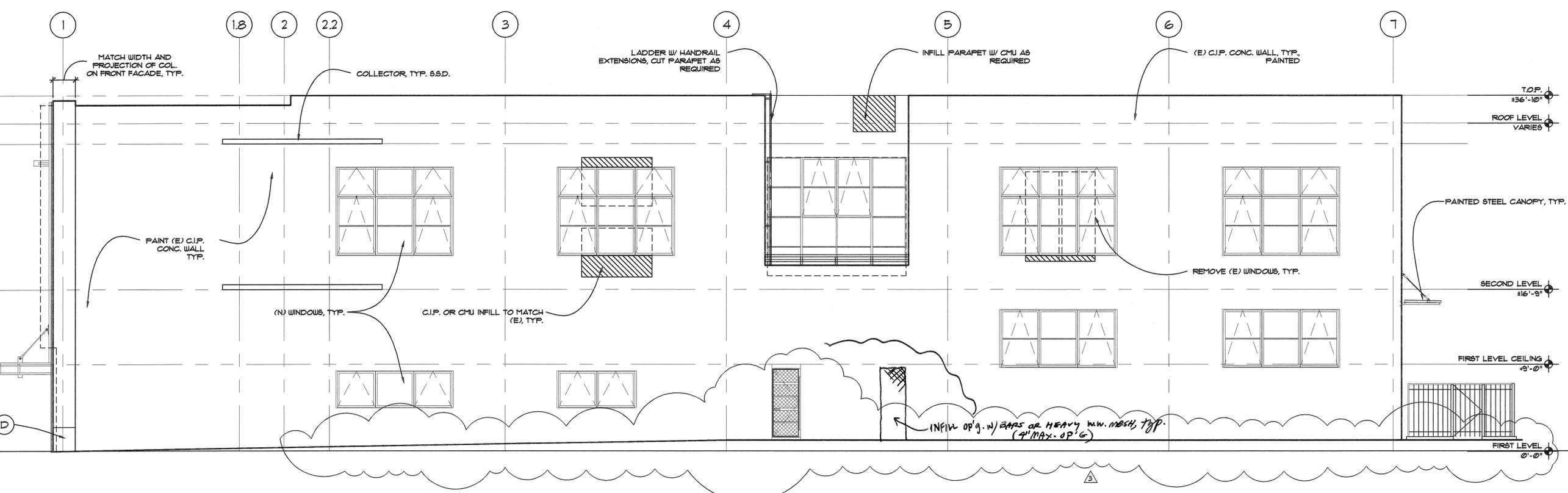
JOB NO.: 2513

A3.0

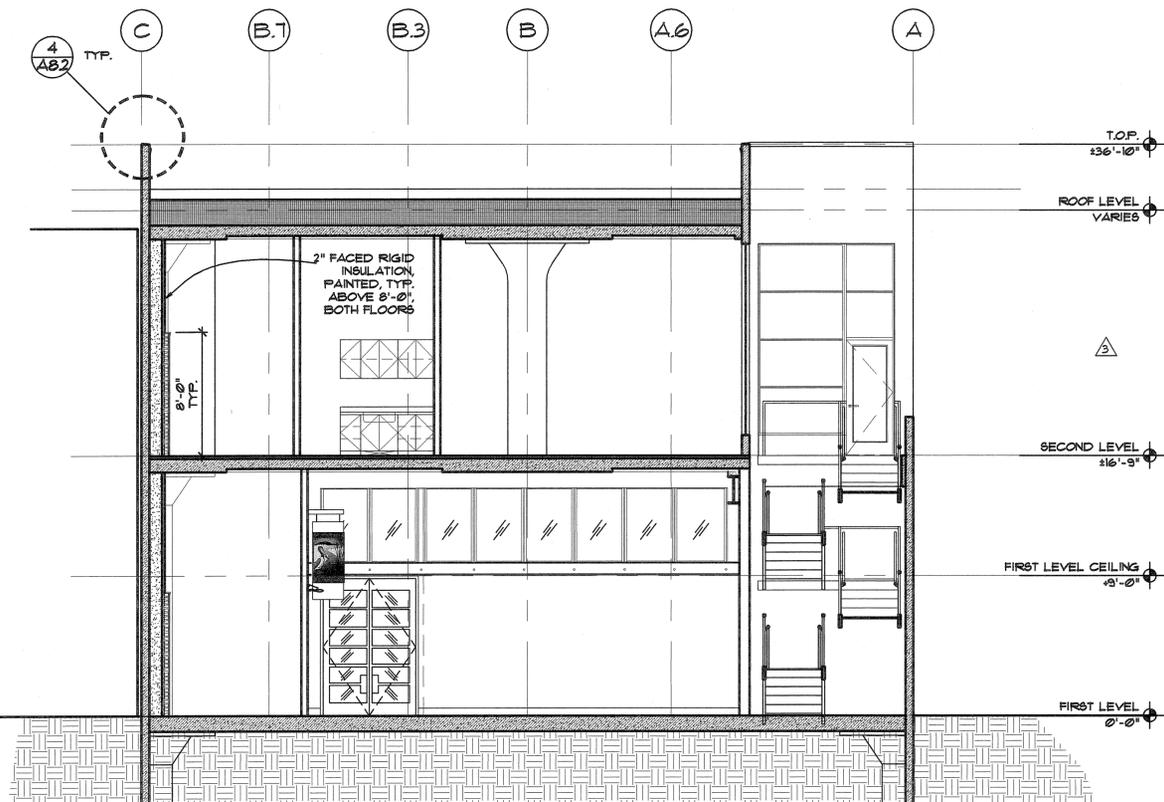


3 WEST ELEVATION
 Δ3.0 SCALE: 3/16" = 1'-0"

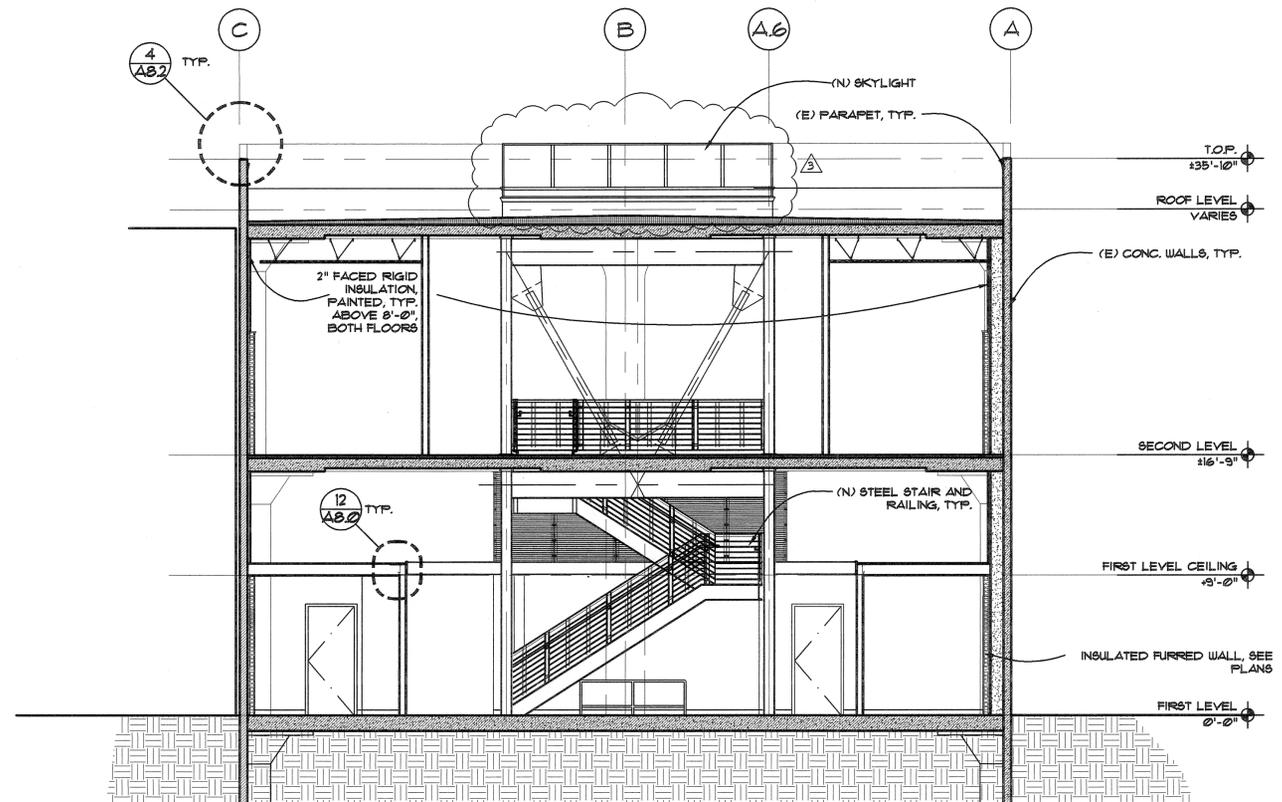
2 EAST ELEVATION
 Δ3.0 SCALE: 3/16" = 1'-0"



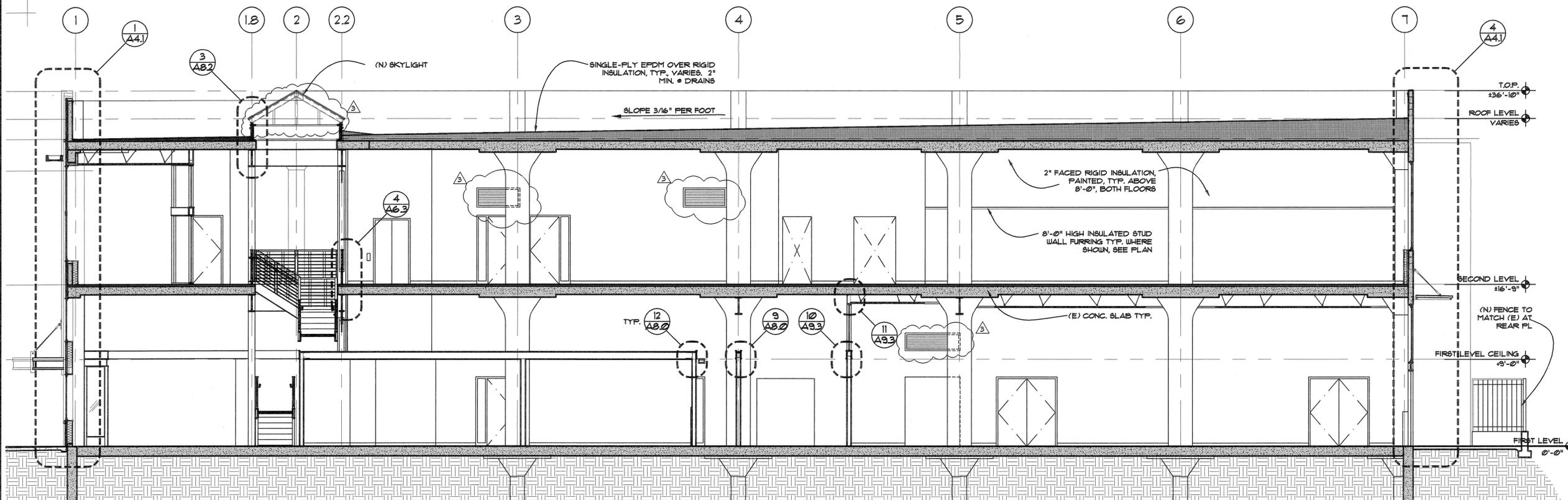
1 NORTH ELEVATION
 Δ3.0 SCALE: 3/16" = 1'-0"



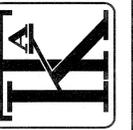
3 CROSS SECTION
 A4.0 SCALE: 3/16" = 1'-0"

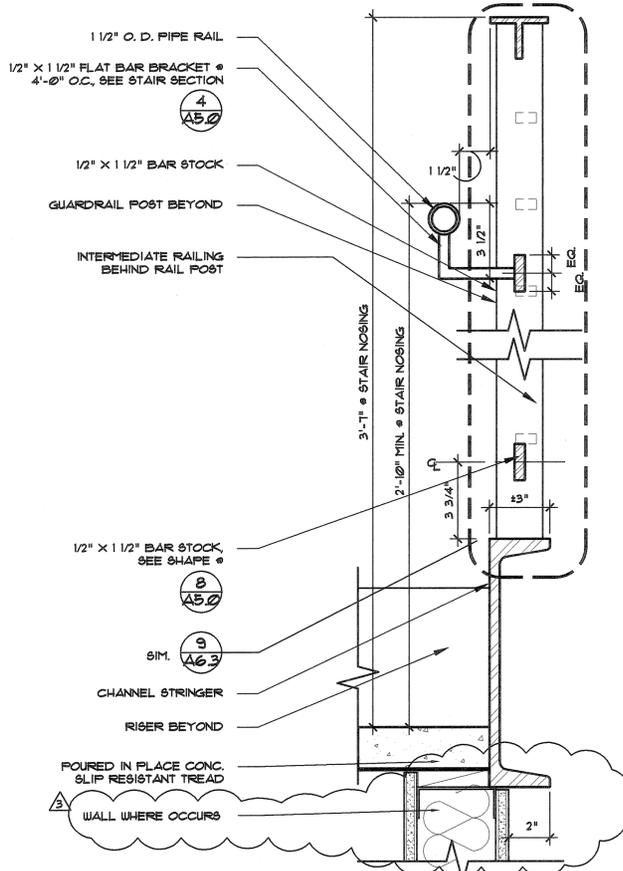


2 CROSS SECTION
 A4.0 SCALE: 3/16" = 1'-0"

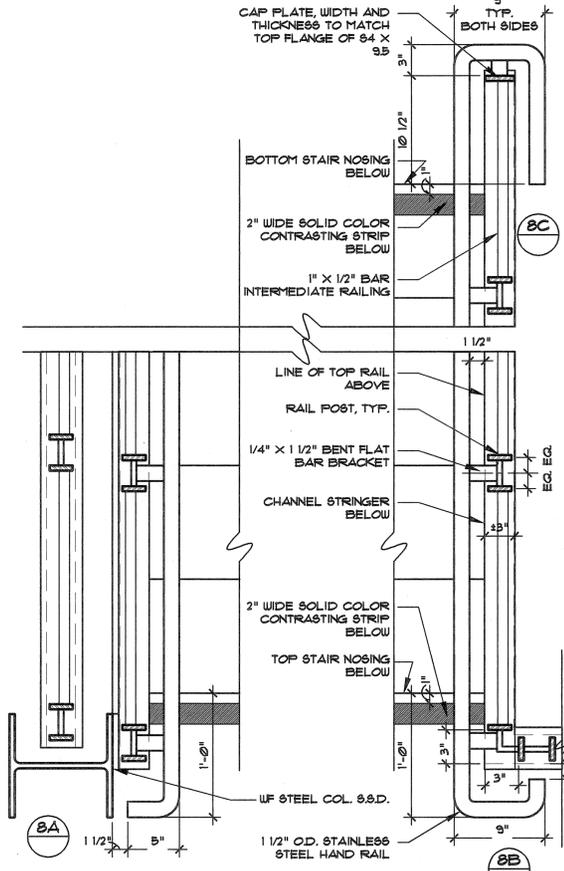


1 LONGITUDINAL SECTION
 A4.0 SCALE: 3/16" = 1'-0"

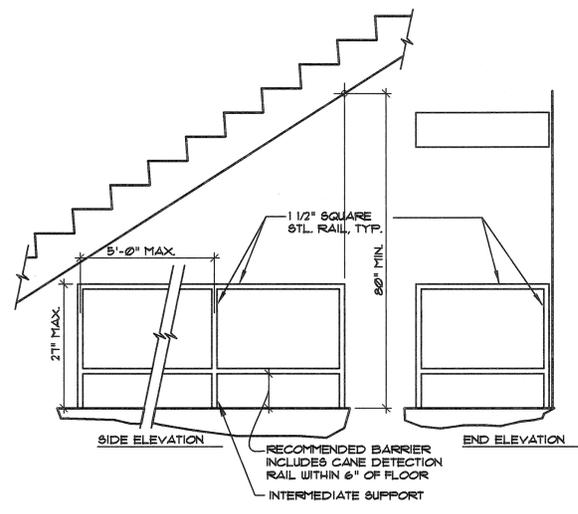




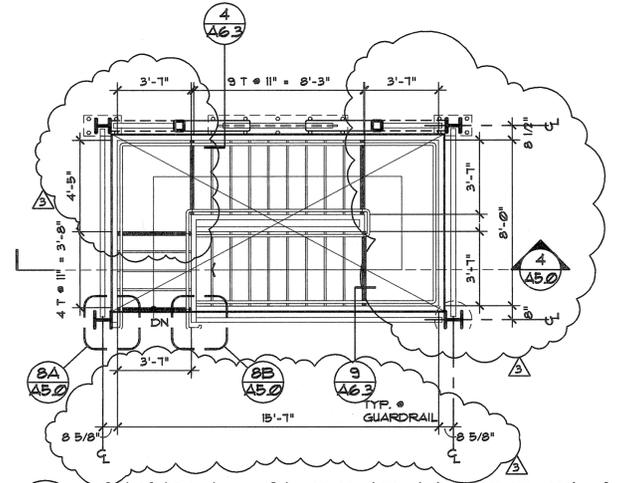
11 STAIR SECTION DTL.
 A5.0 SCALE: 3" = 1'-0"



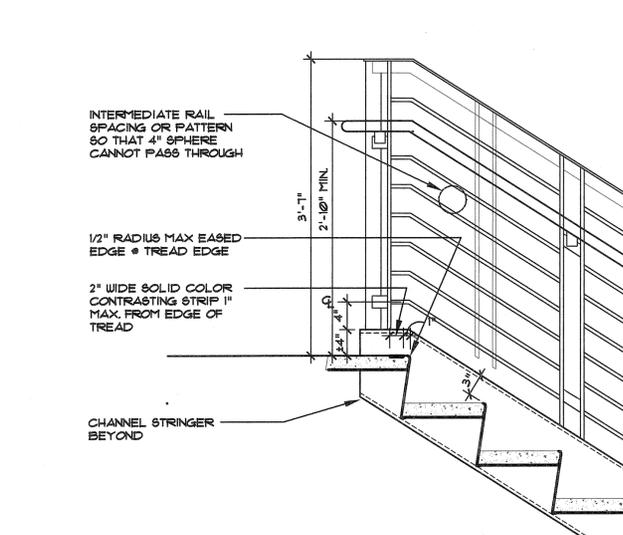
8 STAIR PLAN DTL.
 A5.0 SCALE: 1 1/2" = 1'-0" SECTION CUT BELOW GUARDRAIL CAP



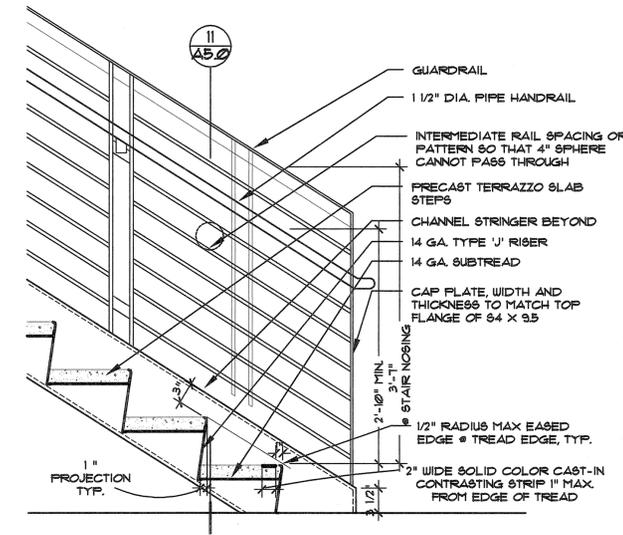
6 METAL BARRIER RAIL
 A5.0 SCALE: 1/2" = 1'-0"



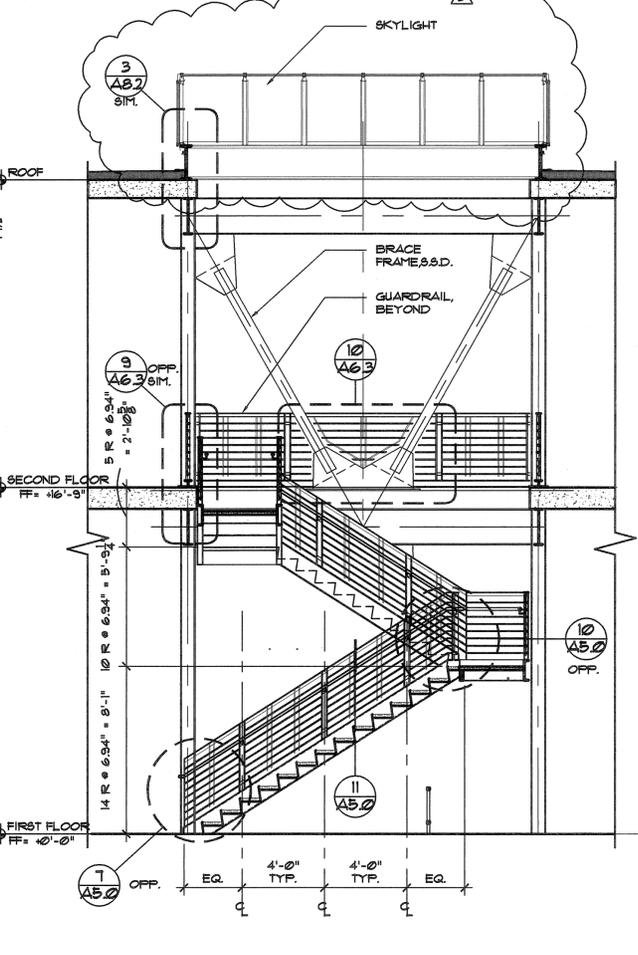
3 STAIR 1 - SECOND FLOOR PLAN
 A5.0 SCALE: 1/4" = 1'-0"



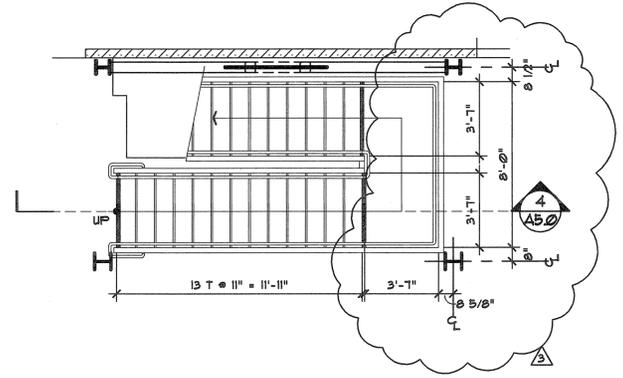
10 TYP. TOP END OF STAIR
 A5.0 SCALE: 1" = 1'-0"



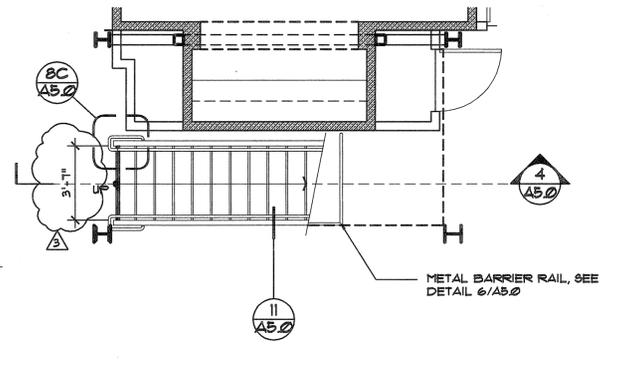
7 TYP. LOW END OF STAIR
 A5.0 SCALE: 1" = 1'-0"



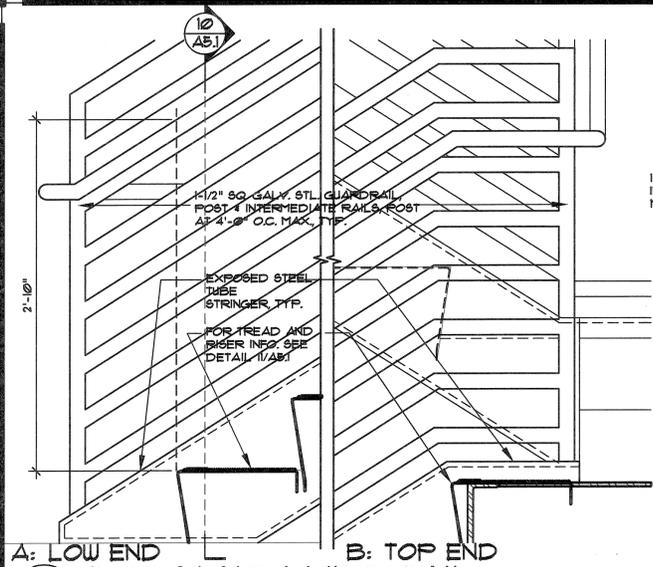
4 STAIR 1 SECTION
 A5.0 SCALE: 1/4" = 1'-0"



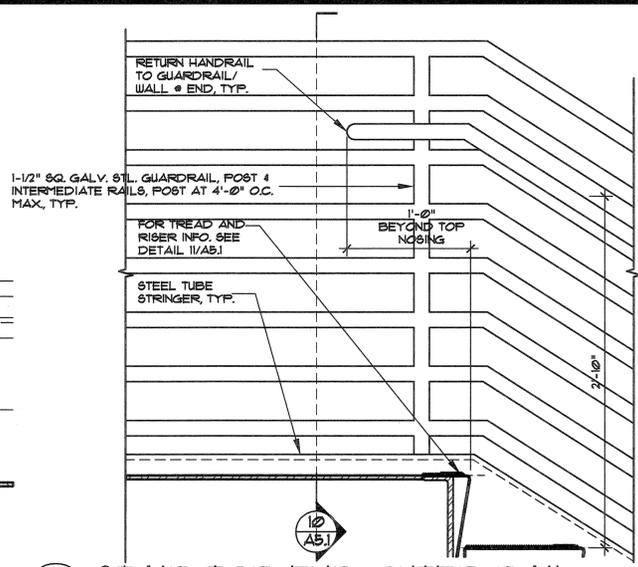
2 STAIR 1 - LID FLOOR PLAN
 A5.0 SCALE: 1/4" = 1'-0"



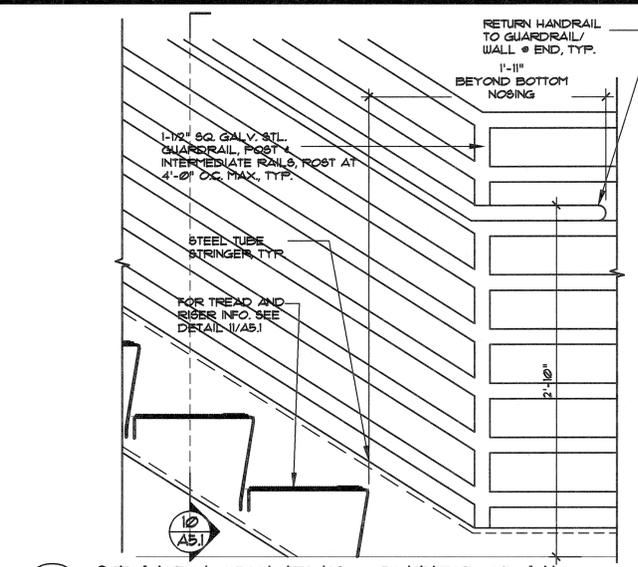
1 STAIR 1 - GROUND FLOOR PLAN
 A5.0 SCALE: 1/4" = 1'-0"



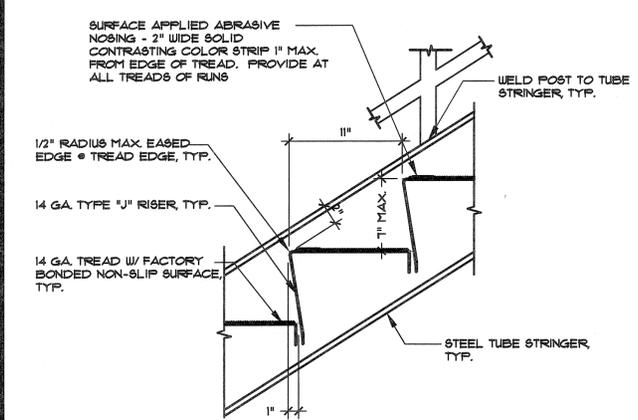
12 TYP. STAIR INNER RAIL
 A5.1 SCALE: 1 1/2" = 1'-0"



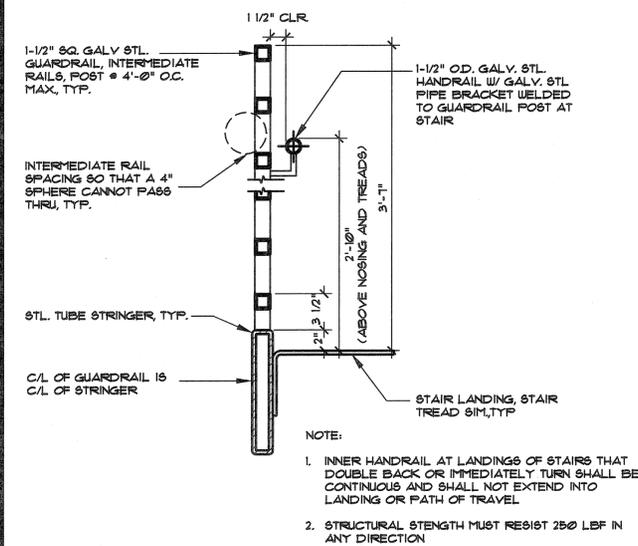
9 STAIR TOP END OUTER RAIL
 A5.1 SCALE: 1 1/2" = 1'-0"



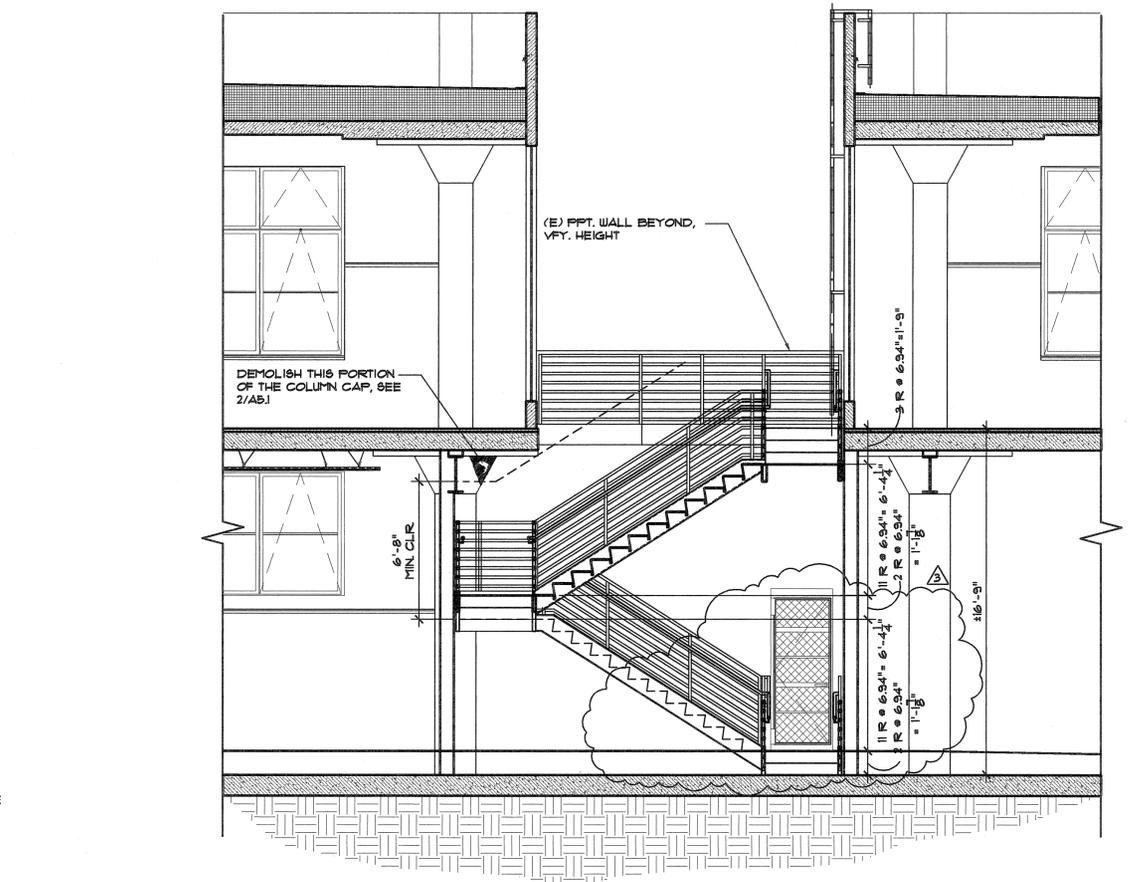
6 STAIR LOW END OUTER RAIL
 A5.1 SCALE: 1 1/2" = 1'-0"



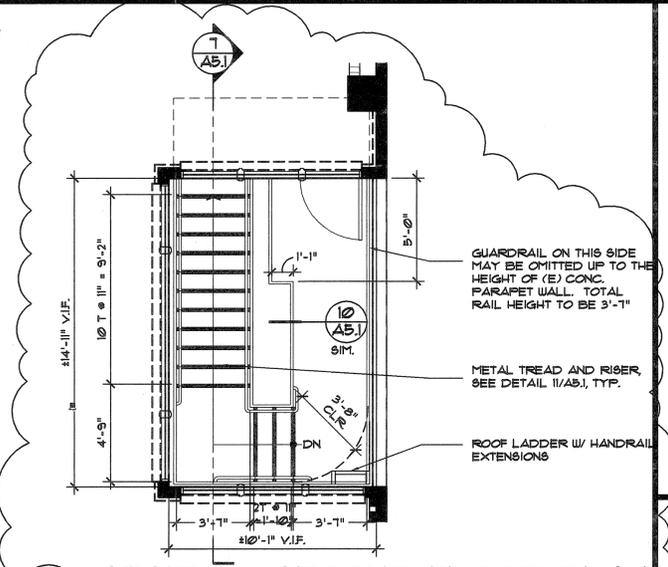
11 TYP. STAIR TREAD AND RISER
 A5.1 SCALE: 1 1/2" = 1'-0"



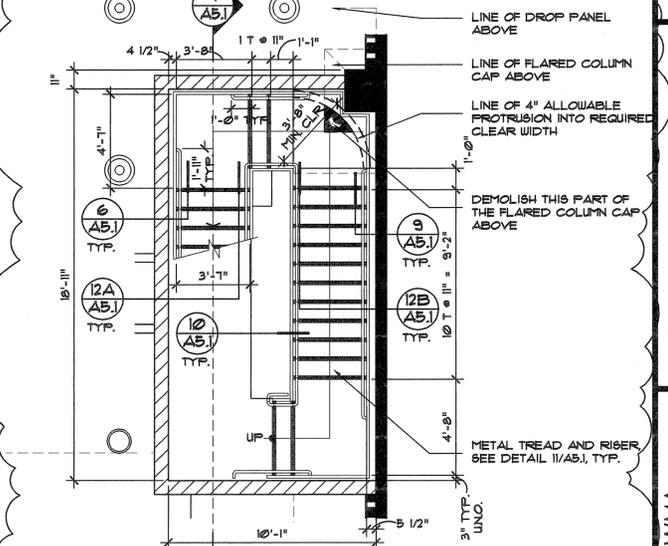
10 GUARDRAIL SECTION
 A5.1 SCALE: 1 1/2" = 1'-0"



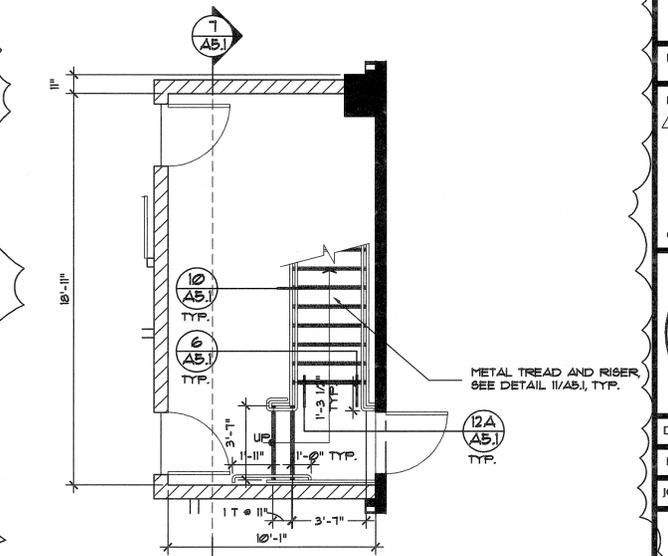
7 STAIR 2 SECTION
 A5.1 SCALE: 1/4" = 1'-0"



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

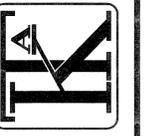


2 STAIR 2 - LID FLOOR PLAN
 A5.1 SCALE: 1/4" = 1'-0"



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

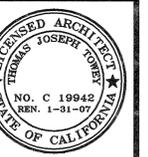
KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 OAKLAND, CA 94612
 Ph: 510.446.2244 Fx: 510.446.2242
 kta@karch.com www.karch.com



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

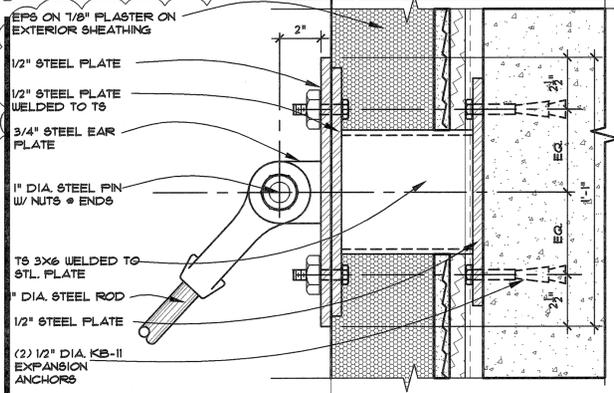
ACWMA
 ALAMEDA COUNTY
 WASTE MANAGEMENT AUTHORITY
 777 DAVIS ST. # 100
 SAN LEANDRO, CA 94577

PERMIT SET
 REVISIONS
 ADDM. 3 03-13-06
 © COPYRIGHT 2006

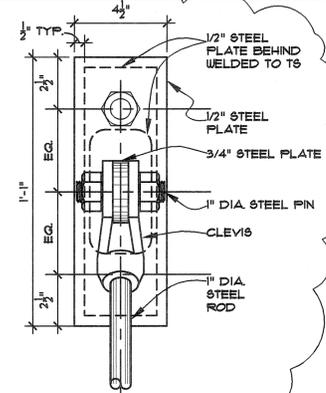


DATE: 02-21-06
 DRAWN BY: MC
 JOB NO.: 2513

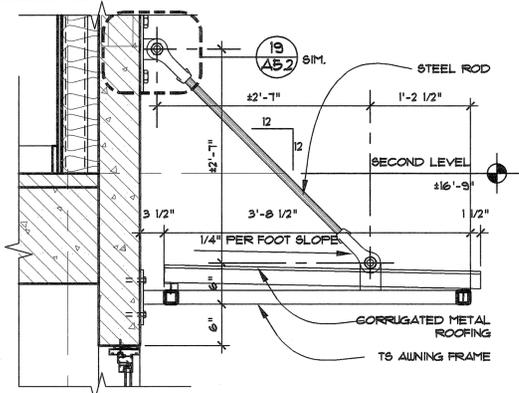
A5.1



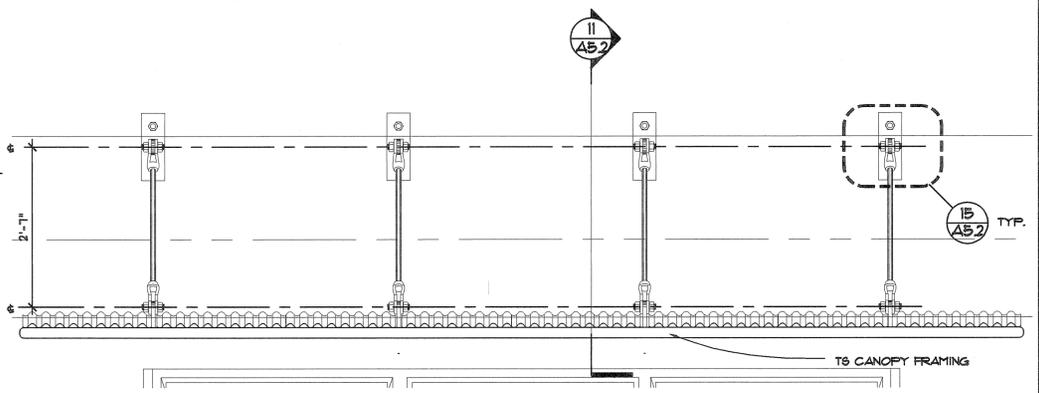
19 DETAIL
A5.2 SCALE: 3" = 1'-0"



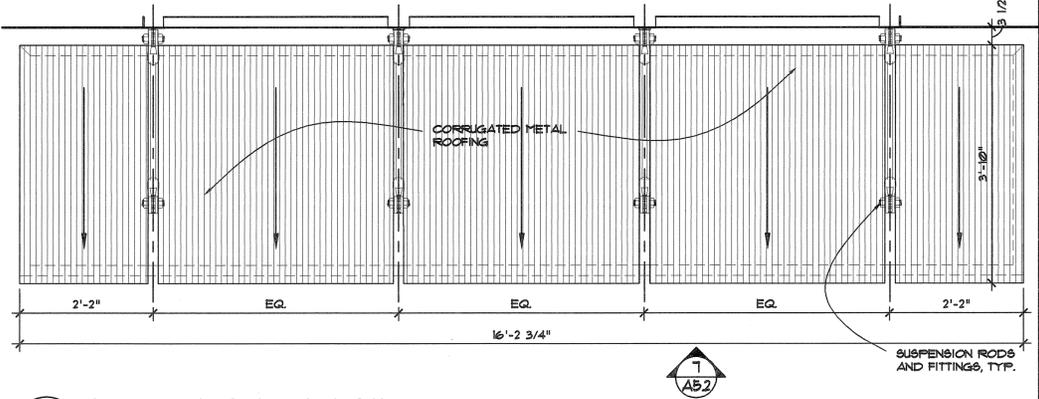
15 DETAIL
A5.2 SCALE: 3" = 1'-0"



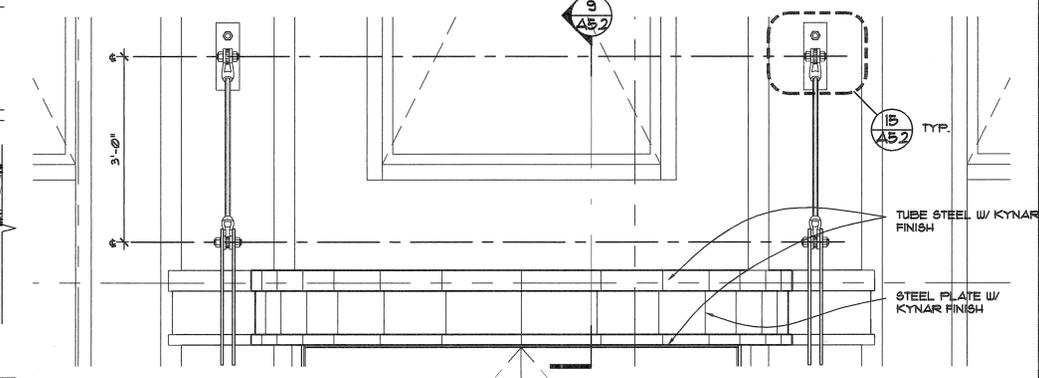
11 SECTION DETAIL
A5.2 SCALE: 1" = 1'-0"



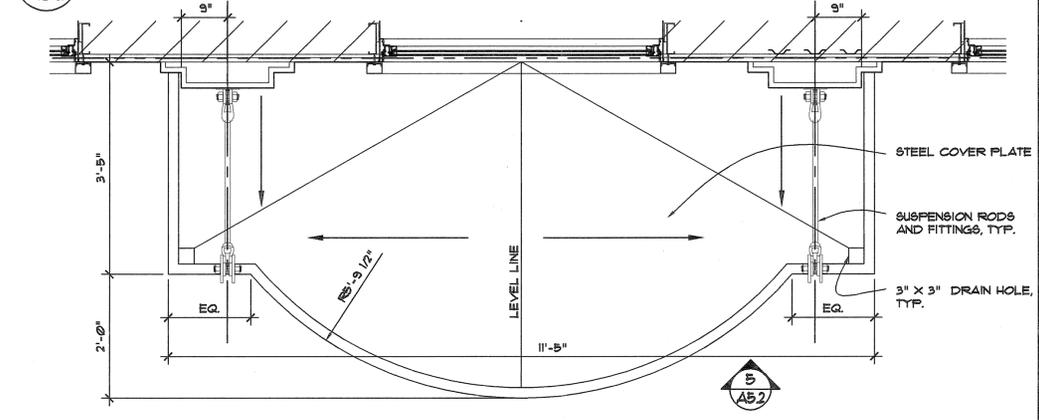
7 TYP. CANOPY ELEVATION
A5.2 SCALE: 3/4" = 1'-0"



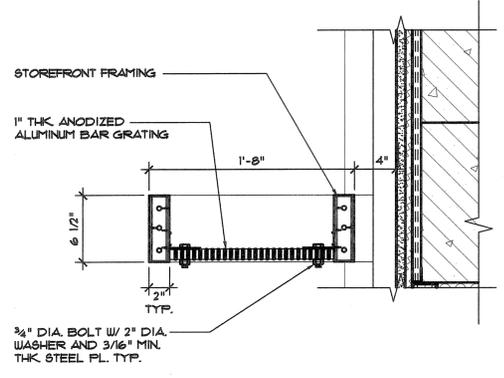
6 TYP. PLAN DETAIL
A5.2 SCALE: 3/4" = 1'-0"



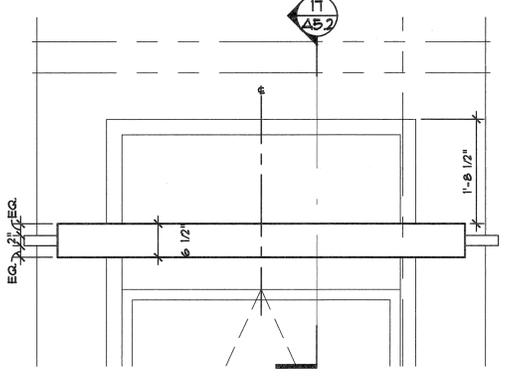
5 TYP. CANOPY ELEVATION
A5.2 SCALE: 3/4" = 1'-0"



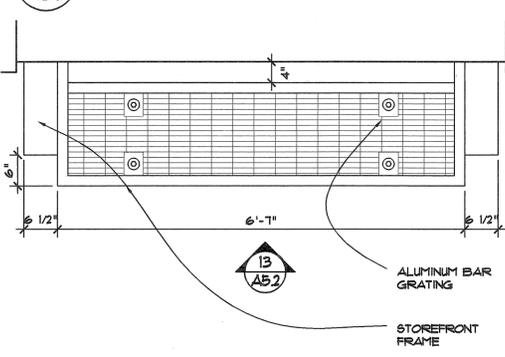
4 ENLARGED PLAN - ENTRY CANOPY
A5.2 SCALE: 3/4" = 1'-0"



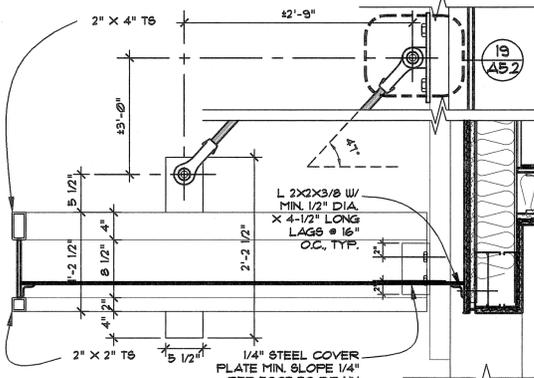
17 SECTION DETAIL
A5.2 SCALE: 1 1/2" = 1'-0"



13 TYP. CANOPY ELEV.
A5.2 SCALE: 3/4" = 1'-0"



12 TYP. PLAN DETAIL
A5.2 SCALE: 3/4" = 1'-0"



9 SECTION DETAIL
A5.2 SCALE: 1" = 1'-0"

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

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

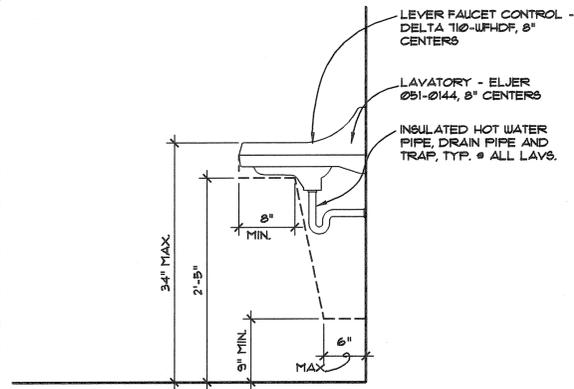
ACWMA
ALAMEDA COUNTY
WASTE MANAGEMENT AUTHORITY
777 DAVIS ST. # 100
SAN LEANDRO, CA 94577

PERMIT SET
REVISIONS
ADD'M. 3 03-13-06

© COPYRIGHT 2006

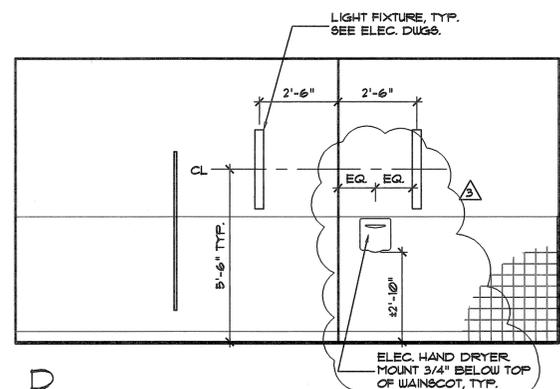
DATE: 02-21-06
DRAWN BY: MC
JOB NO.: 2513

A5.2



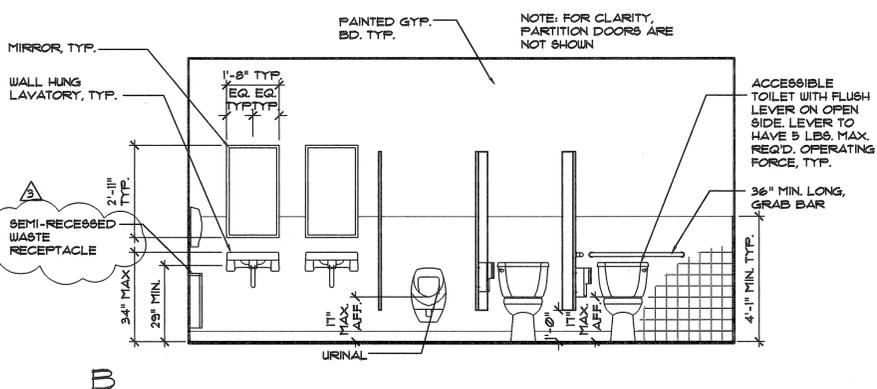
16 LAVATORY

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



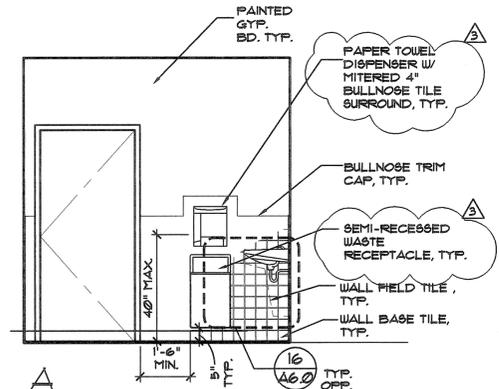
12 FIRST FLOOR MEN'S RESTROOM ELEVATIONS

A6.0 SCALE: 3/8" = 1'-0"



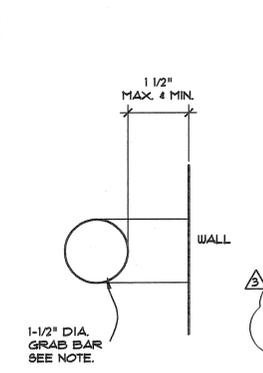
11 FIRST FLOOR WOMEN'S RESTROOM ELEVATIONS

A6.0 SCALE: 3/8" = 1'-0"



5 FIRST FLOOR RESTROOM PLANS

A6.0 SCALE: 3/8" = 1'-0"

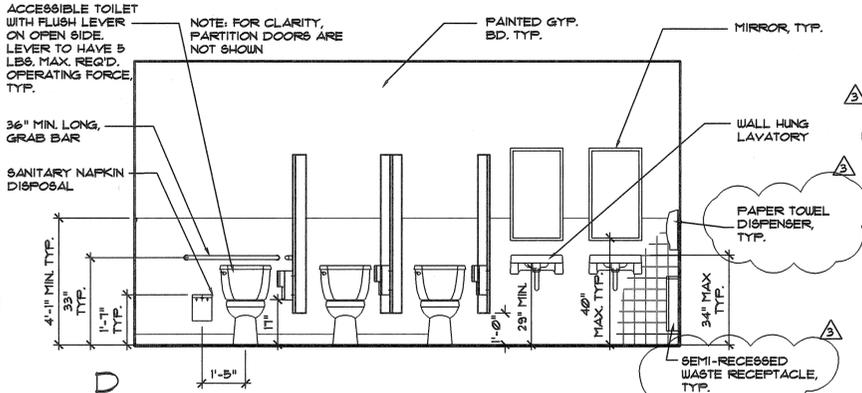


15 GRAB BAR

A6.0 SCALE: 6" = 1'-0"

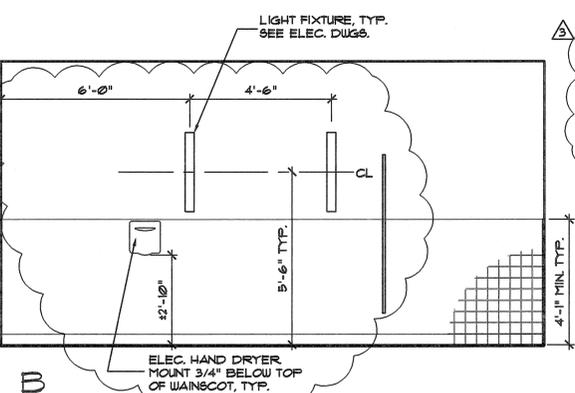
SHEET NOTES:

1. ALL ACCESSIBLE STALL DOORS TO BE SELF CLOSING WITH HANDLES ON BOTH SIDES. LEVER/LATCH OR OPEN LOOP TYPE LOCKING HARDWARE, TYP.
2. GRAB BARS TO WITHSTAND A POINT LOAD OF 250 LBS. APPLIED IN ANY DIRECTION. MAINTAIN 1/2" CLR BETWEEN WALL AND GRAB BAR, TYP.
3. 40" MAX. FROM FINISH FLOOR TO OPERABLE PART FOR EACH DISPENSING DEVICE, TRASH RECEPTACLE, & ELEC. HAND DRYER
4. PROVIDE BACKING FOR ALL TOILET PARTITIONS, ACCESSORIES, FIXTURES, MIRRORS, ETC. TYP.



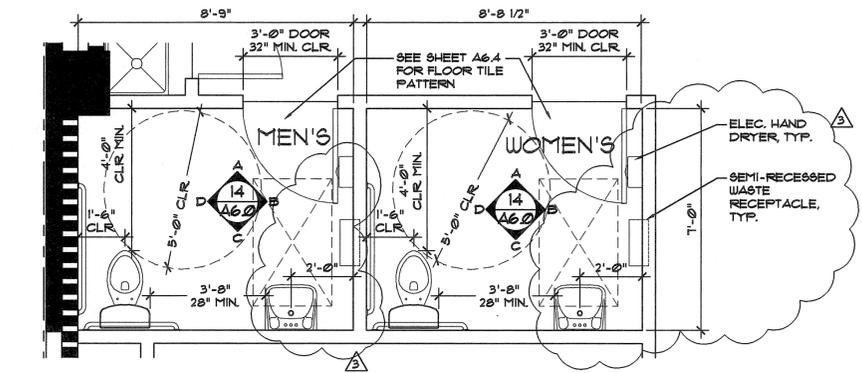
11 FIRST FLOOR WOMEN'S RESTROOM ELEVATIONS

A6.0 SCALE: 3/8" = 1'-0"



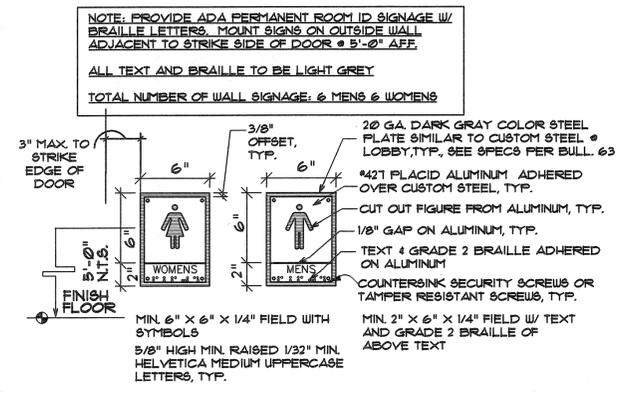
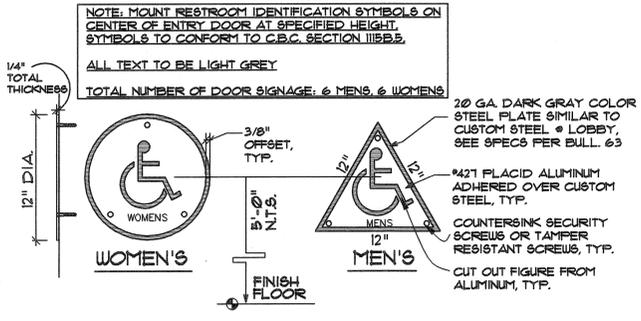
14 SECOND FLOOR RESTROOM ELEVATIONS

A6.0 SCALE: 3/8" = 1'-0"



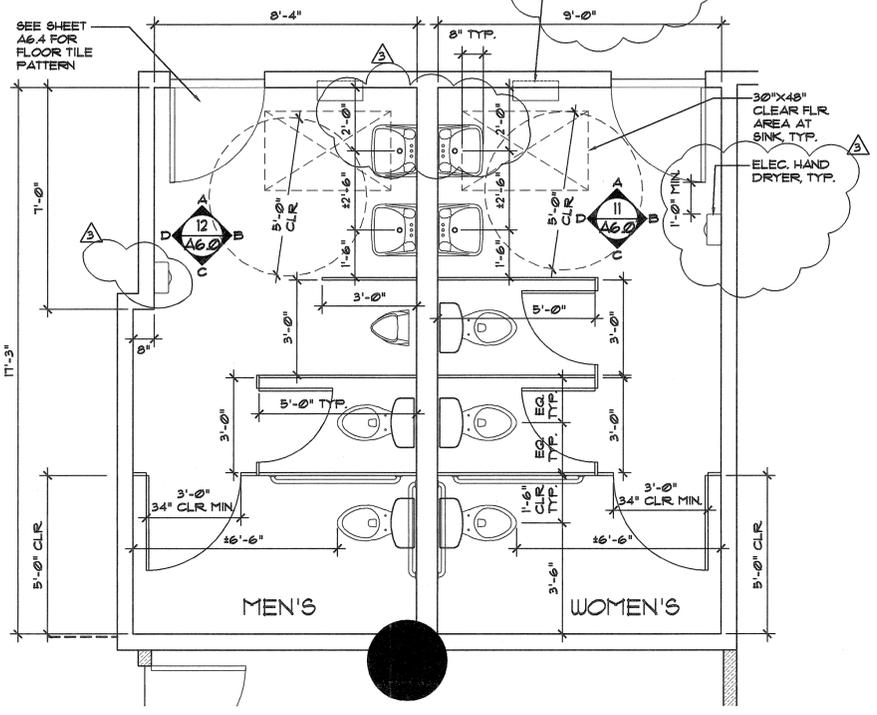
9 2ND FLOOR RESTROOM PLANS

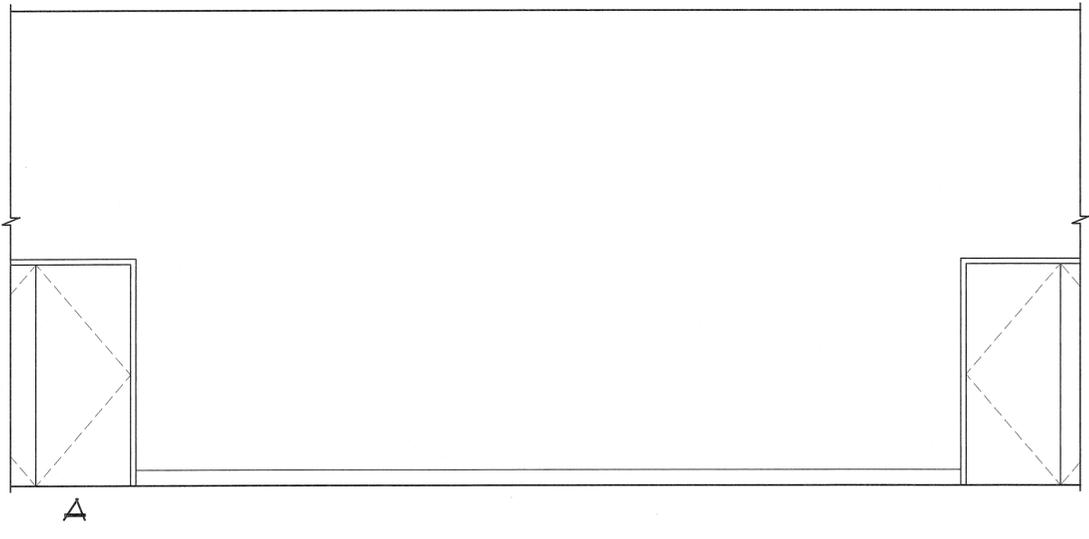
A6.0 SCALE: 3/8" = 1'-0"



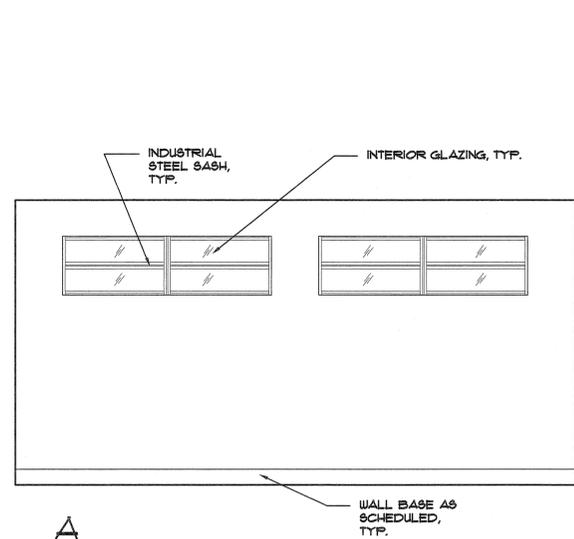
1 SIGNAGE

A6.0 N.T.S.

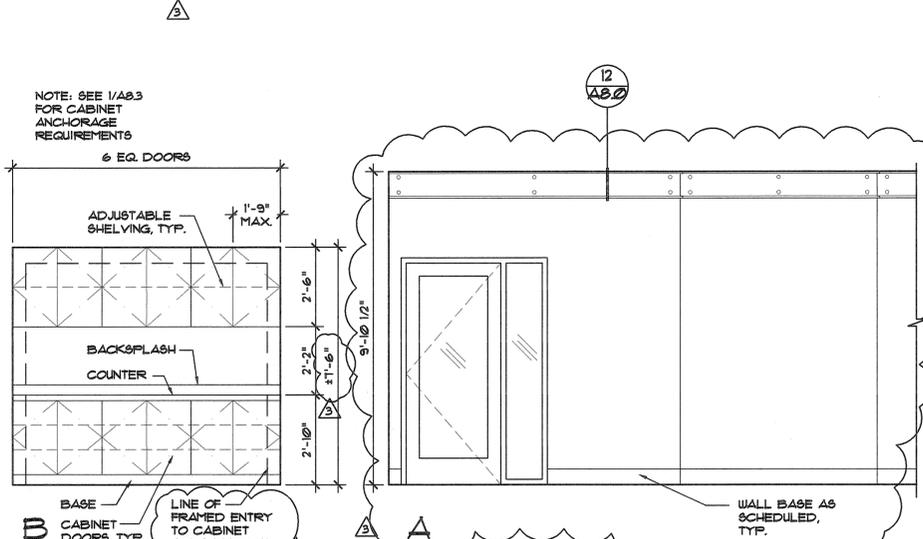




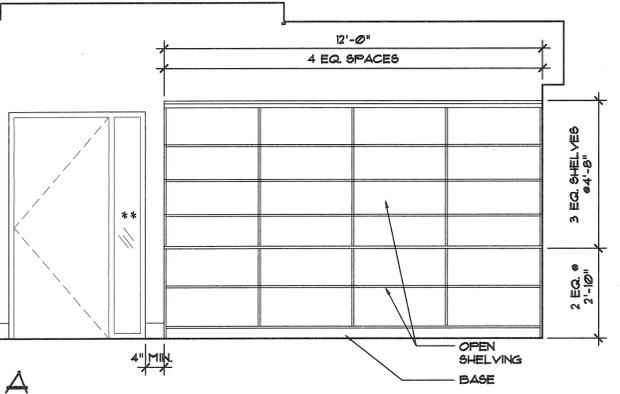
12 INT. ELEV. ROOM 117
A6.2 SCALE: 3/8" = 1'-0"



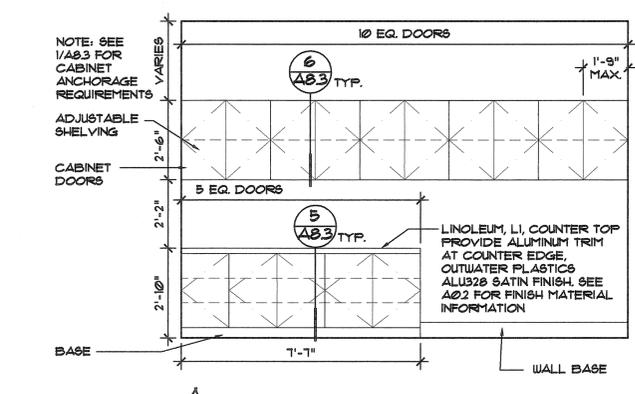
9 INT. ELEVATION ROOM 102
A6.2 SCALE: 3/8" = 1'-0"



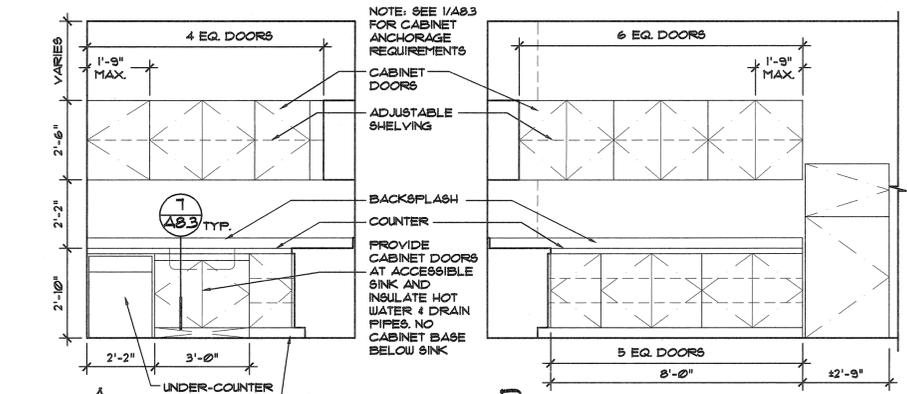
3 INT. ELEVATION ROOM 114
A6.2 SCALE: 3/8" = 1'-0"



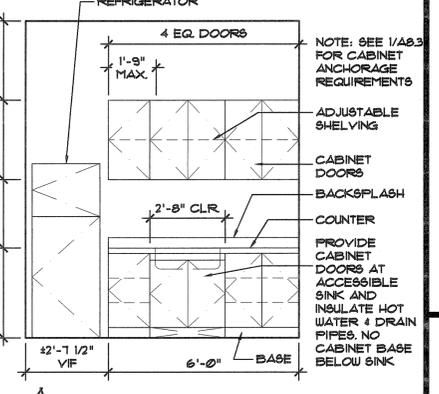
11 INT. ELEV. ROOM 113
A6.2 SCALE: 3/8" = 1'-0"



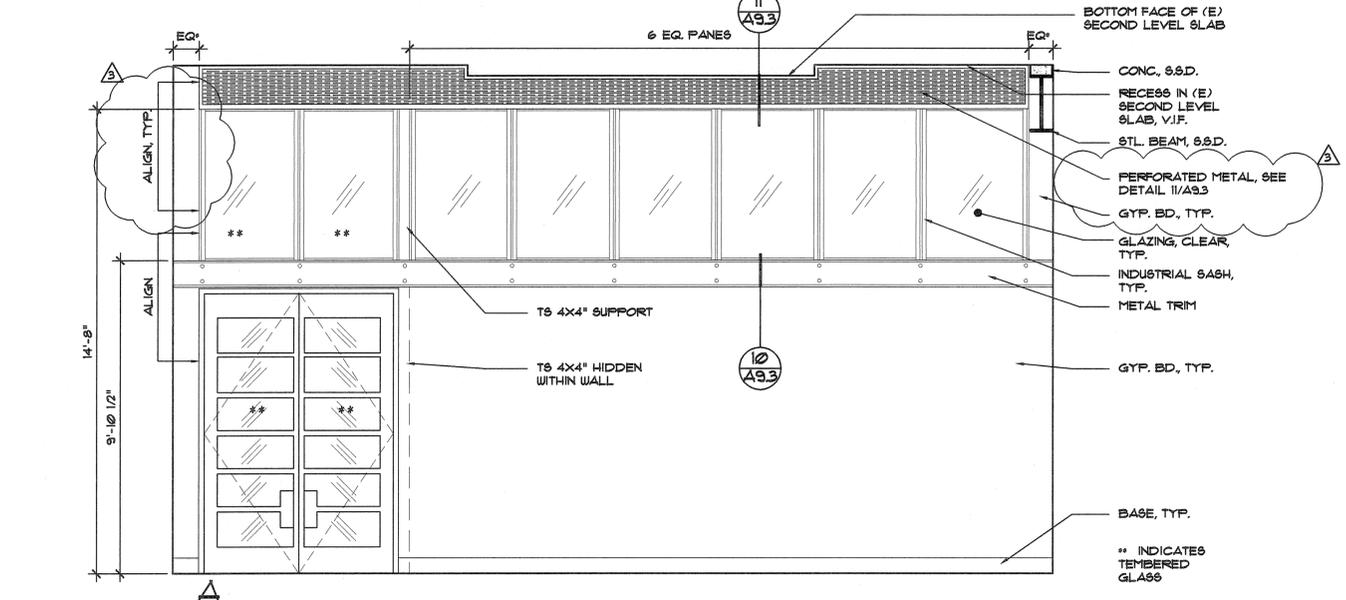
8 INT. ELEV. ROOM 209
A6.2 SCALE: 3/8" = 1'-0"



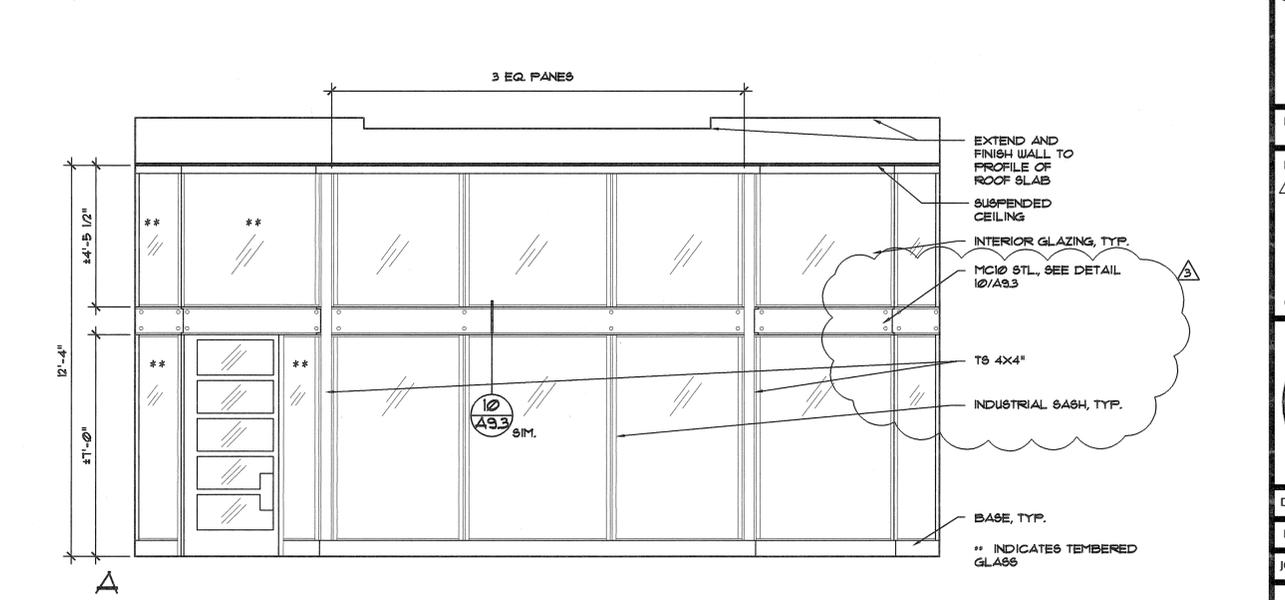
5 INT. ELEVATION ROOM 107
A6.2 SCALE: 3/8" = 1'-0"



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"

NOTE: SEE 1/A83 FOR CABINET ANCHORAGE REQUIREMENTS

6 EQ. DOORS
 ADJUSTABLE SHELVING, TYP. 1'-9" MAX.
 BACKSPLASH
 COUNTER
 BASE
 CABINET DOORS, TYP.
 LINE OF FRAMED ENTRY TO CABINET AREA IN FRONT, SEE 1/A10

NOTE: SEE 1/A83 FOR CABINET ANCHORAGE REQUIREMENTS

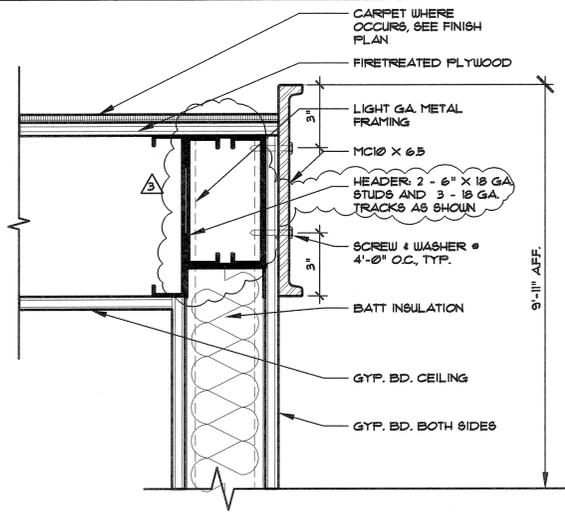
4 EQ. DOORS
 CABINET DOORS
 ADJUSTABLE SHELVING
 BACKSPLASH
 COUNTER
 PROVIDE CABINET DOORS AT ACCESSIBLE SINK AND INSULATE HOT WATER & DRAIN PIPES. NO CABINET BASE BELOW SINK
 UNDER-COUNTER DISHWASHER
 BASE, TYP.

NOTE: SEE 1/A83 FOR CABINET ANCHORAGE REQUIREMENTS

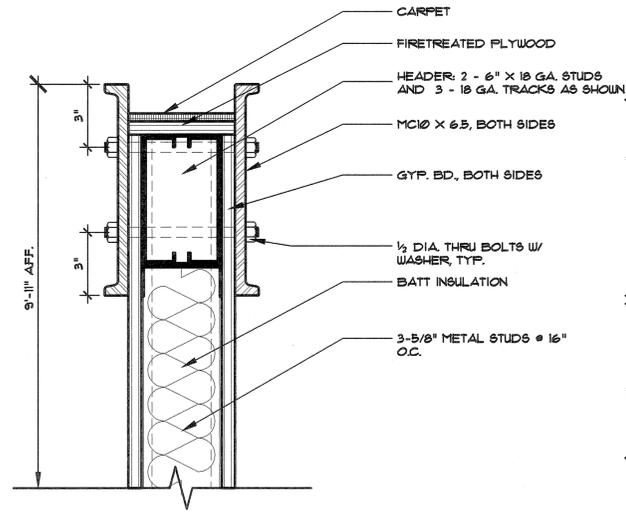
REFRIGERATOR
 4 EQ. DOORS
 ADJUSTABLE SHELVING
 CABINET DOORS
 BACKSPLASH
 COUNTER
 PROVIDE CABINET DOORS AT ACCESSIBLE SINK AND INSULATE HOT WATER & DRAIN PIPES. NO CABINET BASE BELOW SINK
 2'-8" CLR.
 BASE

BOTTOM FACE OF (E) SECOND LEVEL SLAB
 CONC. S.S.D.
 RECESS IN (E) SECOND LEVEL SLAB, V.I.F.
 STL. BEAM, S.S.D.
 PERFORATED METAL, SEE DETAIL 11/A93
 GYP. BD., TYP.
 GLAZING, CLEAR, TYP.
 INDUSTRIAL SASH, TYP.
 METAL TRIM
 GYP. BD., TYP.
 BASE, TYP.
 ** INDICATES TEMBERED GLASS

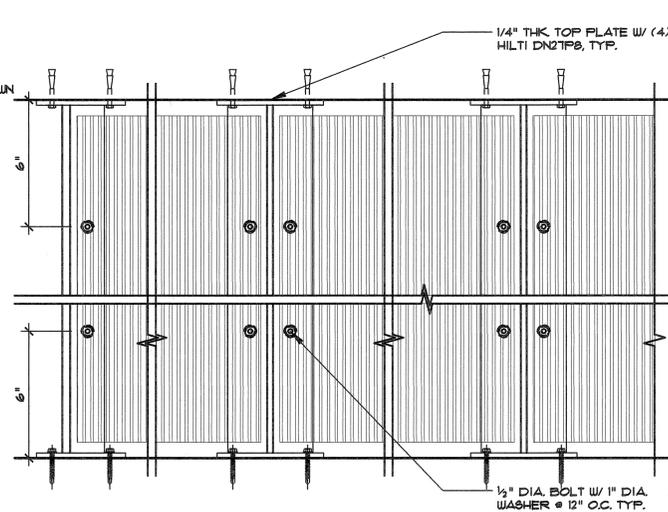
EXTEND AND FINISH WALL TO PROFILE OF ROOF SLAB
 SUSPENDED CEILING
 INTERIOR GLAZING, TYP.
 MC10 STL., SEE DETAIL 10/A93
 T& 4X4"
 INDUSTRIAL SASH, TYP.
 BASE, TYP.
 ** INDICATES TEMBERED GLASS



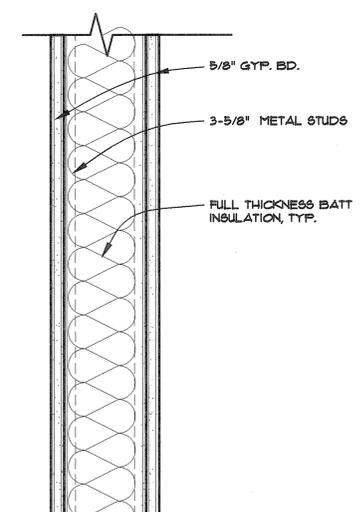
12 PARTITION TRIM DETAIL
A8.0 SCALE: 3" = 1'-0"



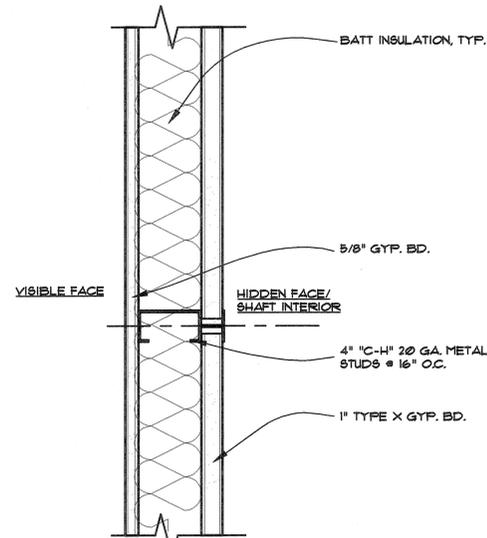
9 PARTITION TRIM DETAIL
A8.0 SCALE: 3" = 1'-0"



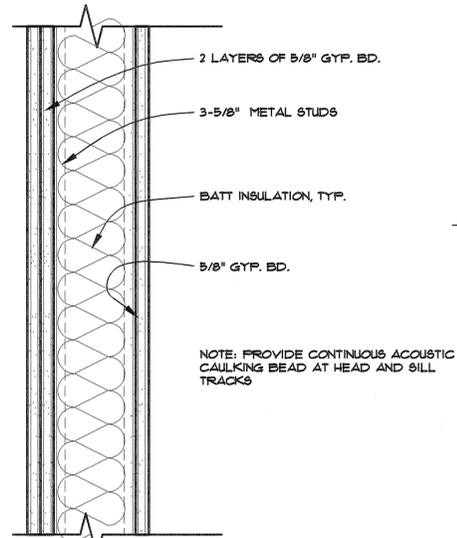
6 PARTITION ELEVATION
A8.0 SCALE: 3" = 1'-0"



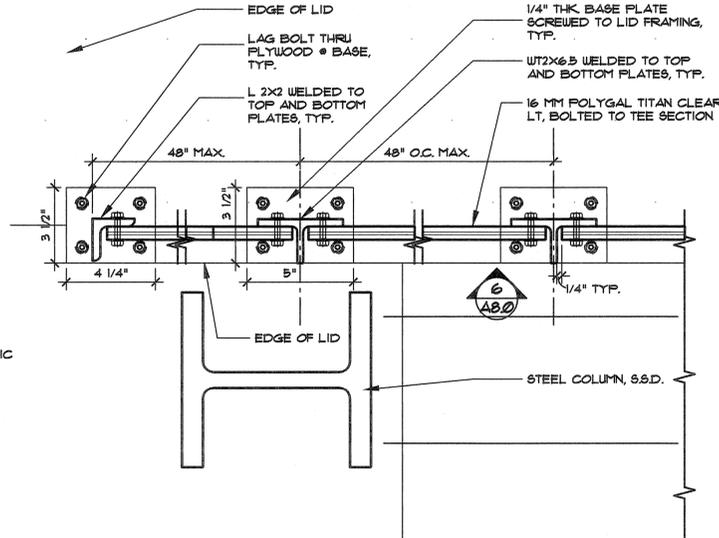
3 METAL STUD WALL
A8.0 SCALE: 3" = 1'-0"



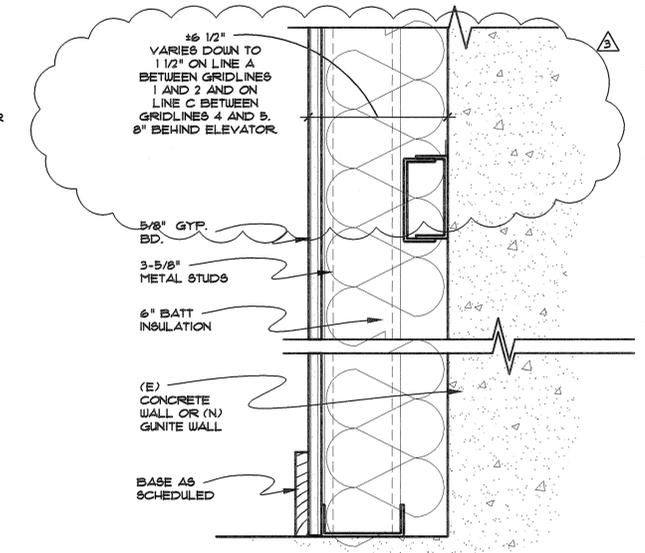
11 SHAFT WALL & 1 HR INFILL WALL
A8.0 SCALE: 3" = 1'-0"



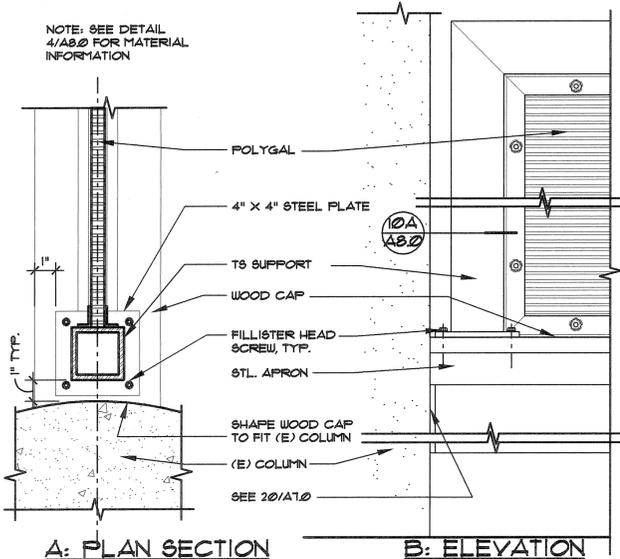
8 ACOUSTIC METAL STUD WALL
A8.0 SCALE: 3" = 1'-0"



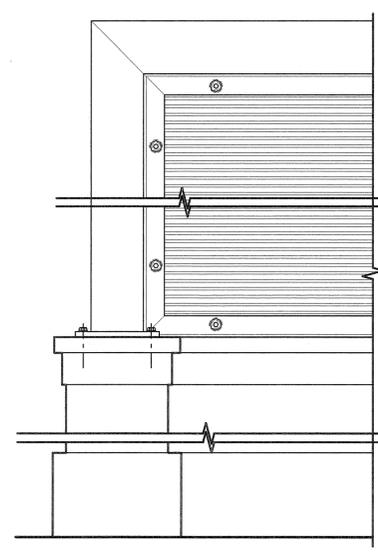
5 PARTITION PLAN
A8.0 SCALE: 3" = 1'-0"



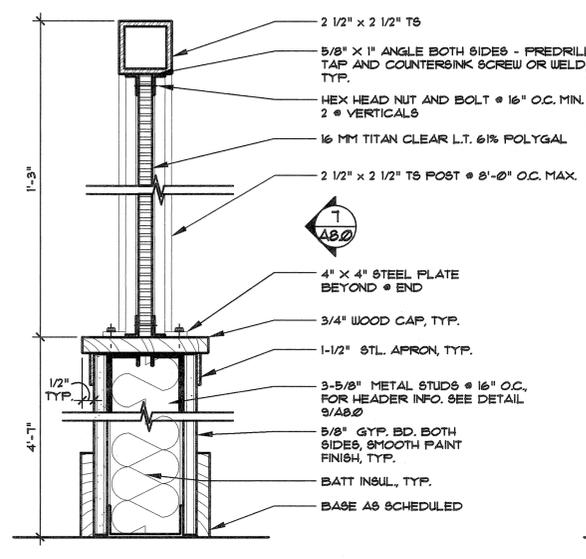
2 WALL FURRING TYPE II
A8.0 SCALE: 3" = 1'-0"



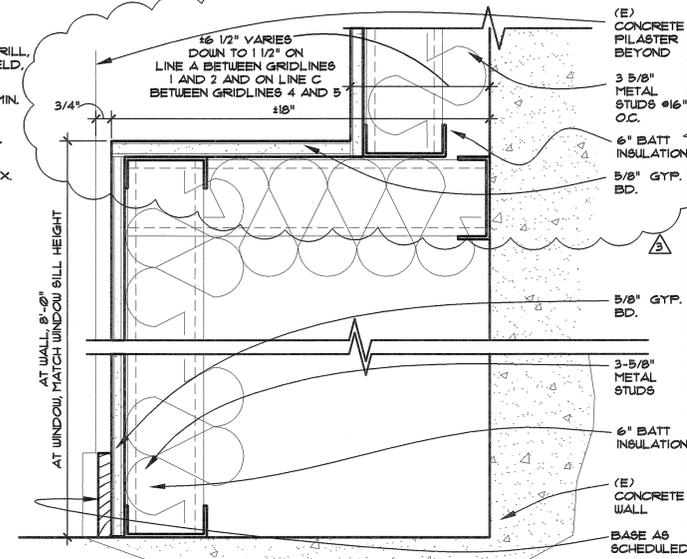
10 PARTITION AT (E) COLUMN
A8.0 SCALE: 3" = 1'-0"



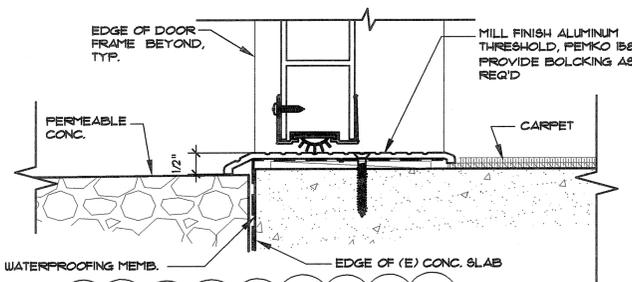
7 PARTITION ELEVATION
A8.0 SCALE: 3" = 1'-0"



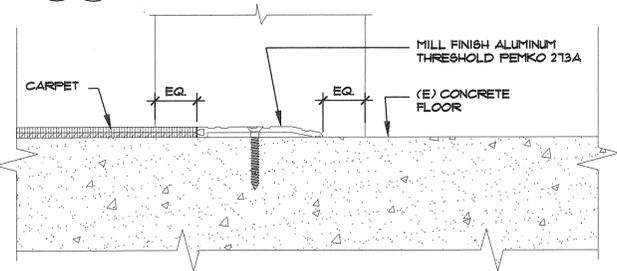
4 PARTITION SECTION
A8.0 SCALE: 3" = 1'-0"



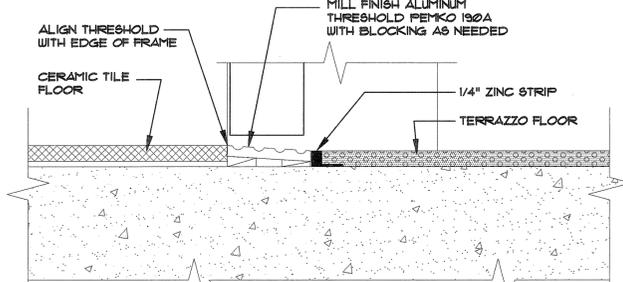
1 WALL FURRING TYPE I
A8.0 SCALE: 3" = 1'-0"



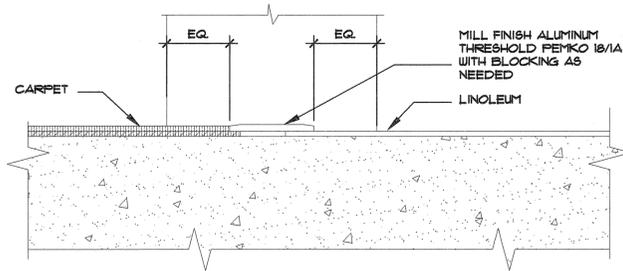
16 PATIO THRSHL.
A8.1 SCALE: 6" = 1'-0"



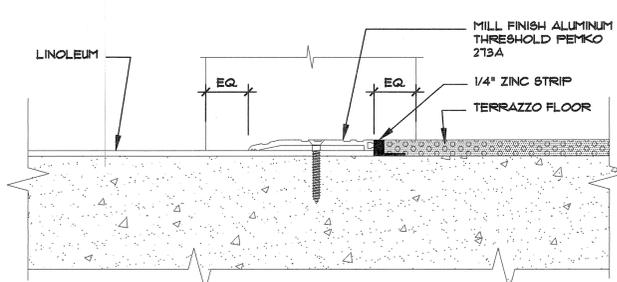
15 TYP. THRSHL CP - CS
A8.1 SCALE: 6" = 1'-0"



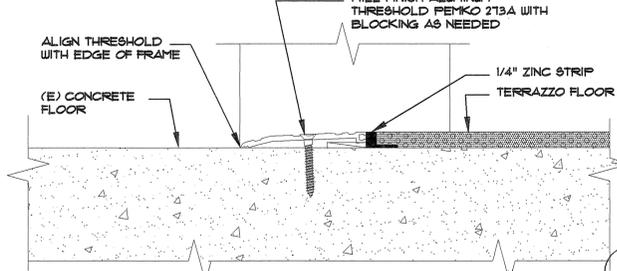
12 TYP. THRSHL TI - TT
A8.1 SCALE: 6" = 1'-0"



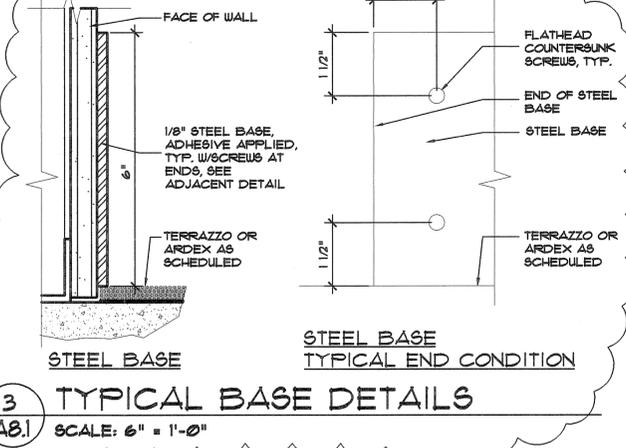
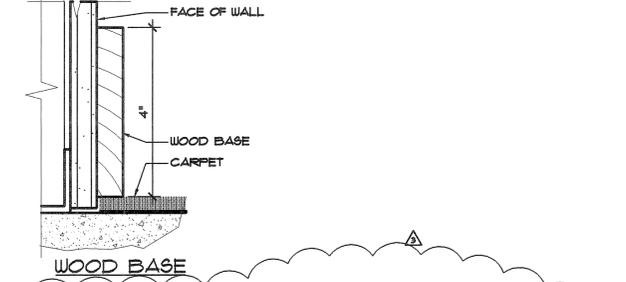
11 TYP. THRSHL CP - L2
A8.1 SCALE: 6" = 1'-0"



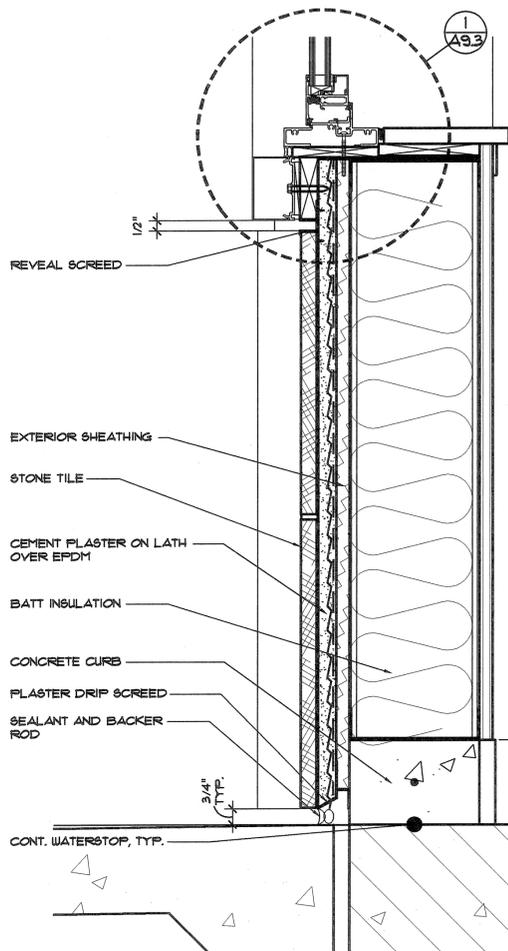
8 TYP. THRSHL L2 - TT
A8.1 SCALE: 6" = 1'-0"



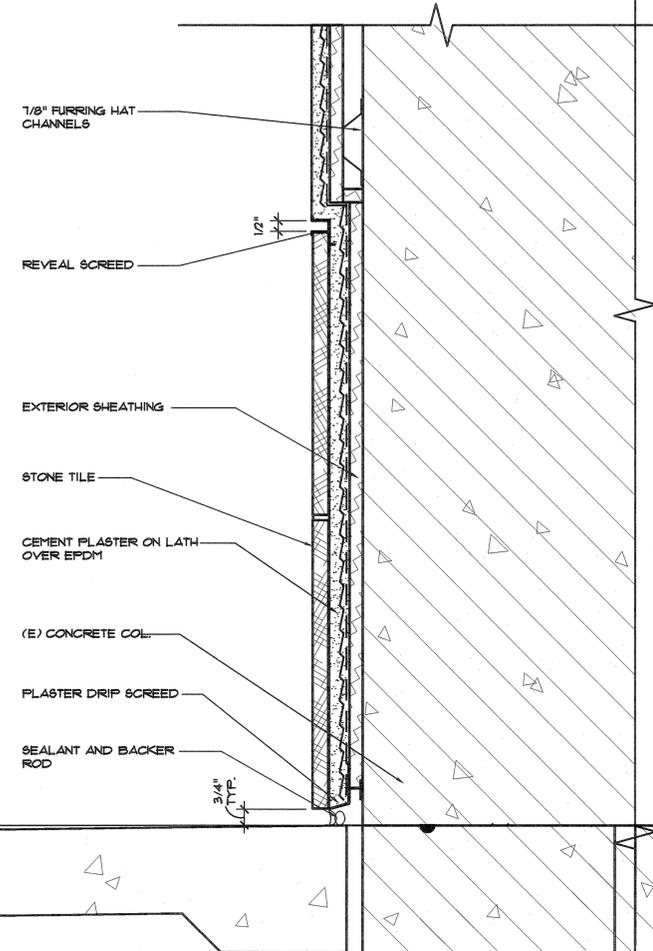
7 TYP. THRSHL CS - TT
A8.1 SCALE: 6" = 1'-0"



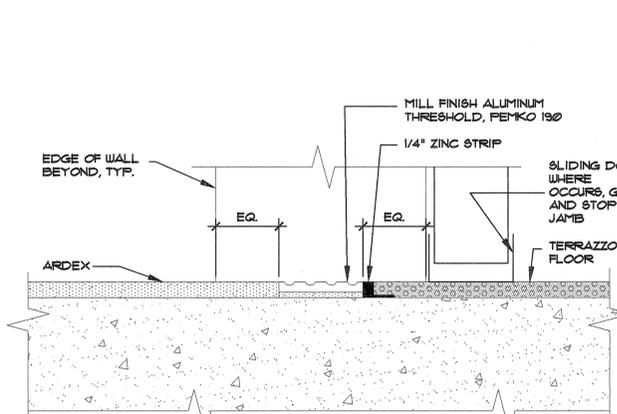
3 TYPICAL BASE DETAILS
A8.1 SCALE: 6" = 1'-0"



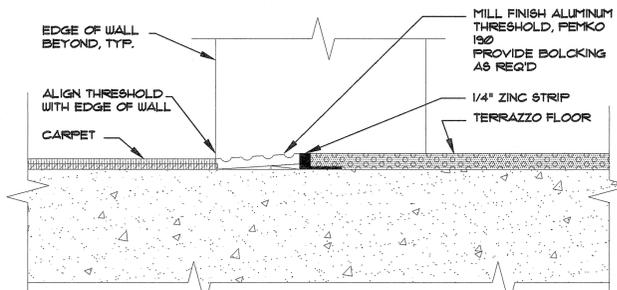
13 BASE DETAIL
A8.1 SCALE: 3" = 1'-0"



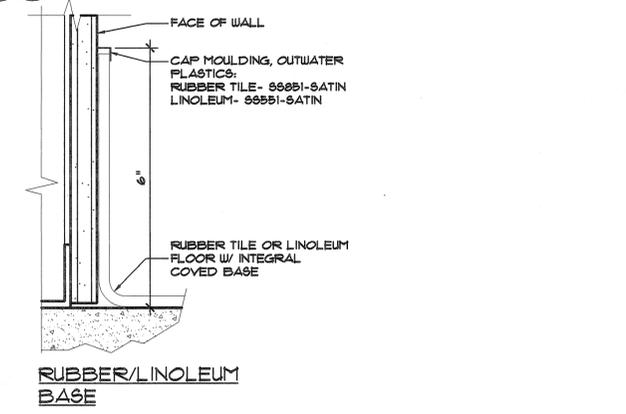
9 BASE DETAIL
A8.1 SCALE: 3" = 1'-0"



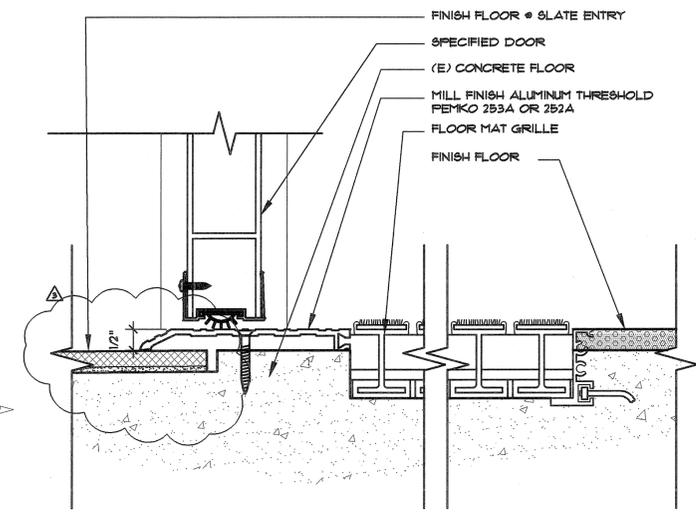
6 TYP. THRSHL ARX - TT
A8.1 SCALE: 6" = 1'-0"



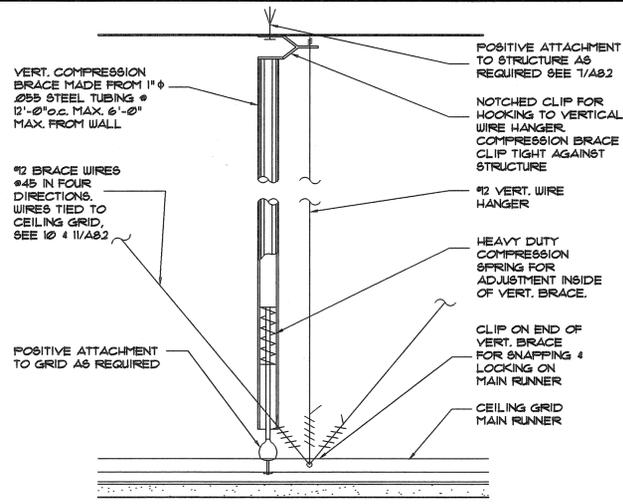
5 TYP. THRSHL CP - TT
A8.1 SCALE: 6" = 1'-0"



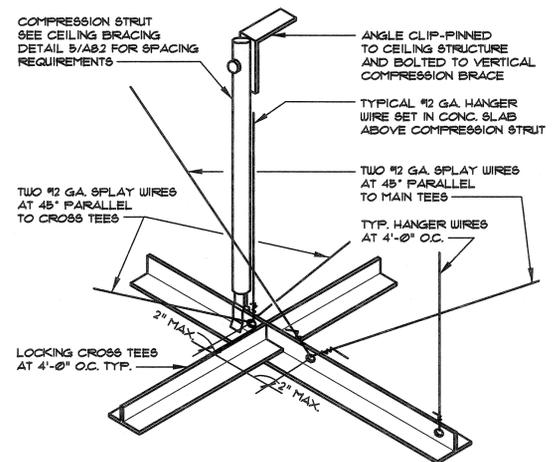
2 TYPICAL COVE BASE DETAIL
A8.1 SCALE: 6" = 1'-0"



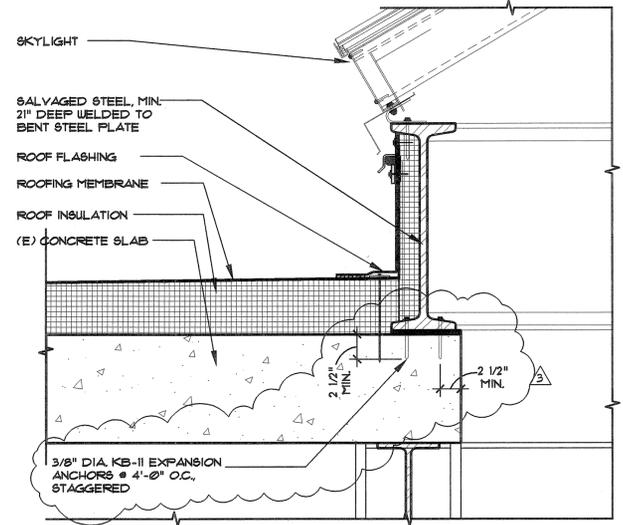
1 ENTRY THRSHL.
A8.1 SCALE: 6" = 1'-0"



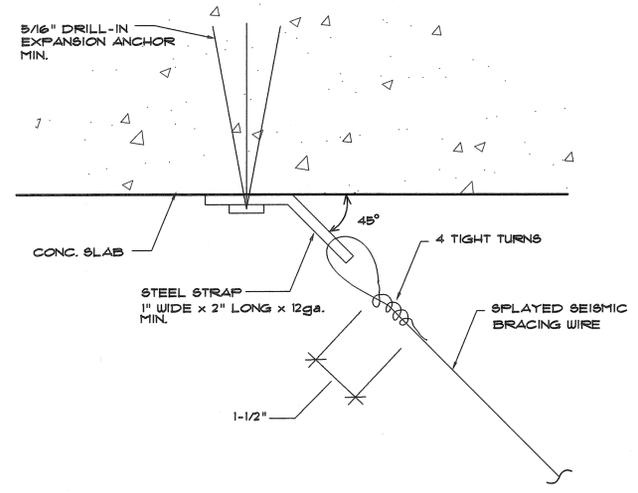
SEISMIC BRACING
9 SUSPENDED CEILING
 A8.2 SCALE: NT8



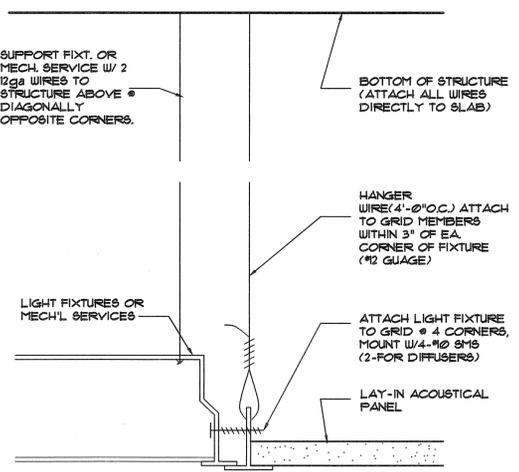
6 WIRE BRACE & STRUT
 A8.2 SCALE: NT8



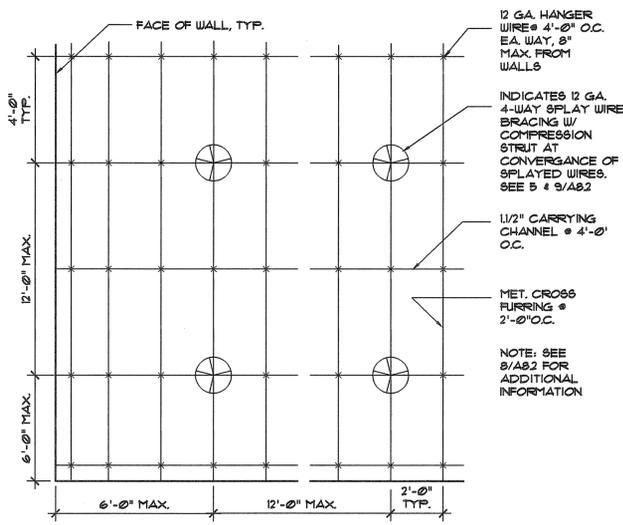
3 SKYLIGHT CURB DETAIL
 A8.2 SCALE: 1 1/2\"/>



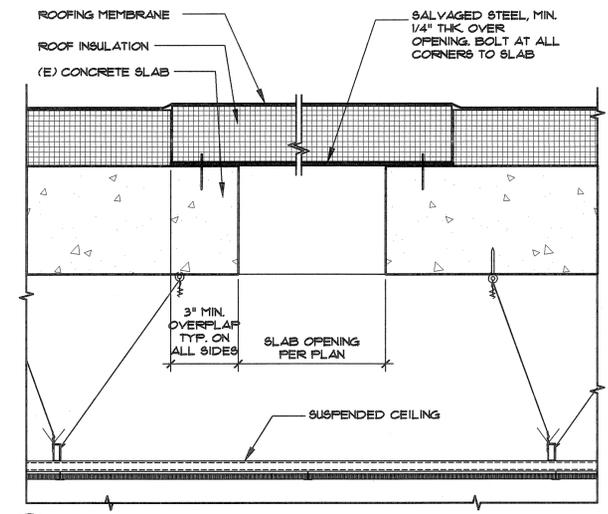
11 SUSPENDED CEILING
 A8.2 SCALE: NT8



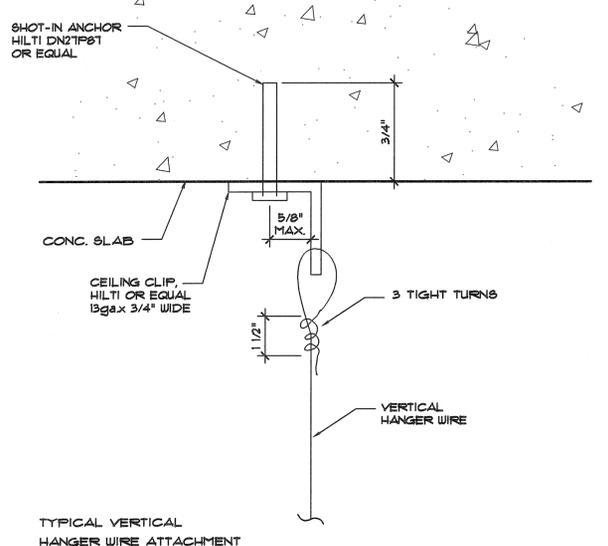
8 SUSPENDED CEILING
 A8.2 SCALE: NT8



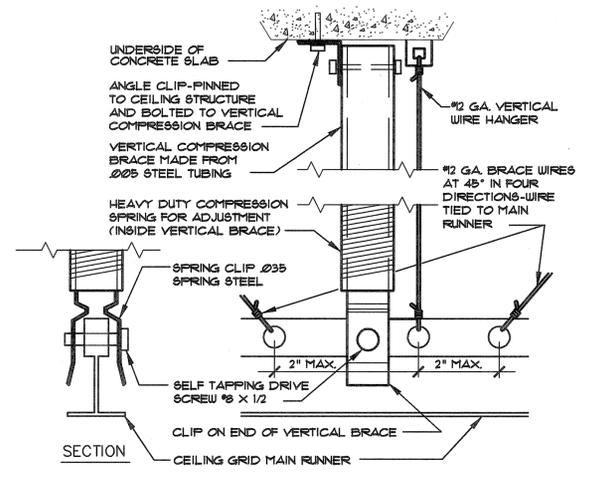
5 SUSPENDED CEILING
 A8.2 SCALE: NT8



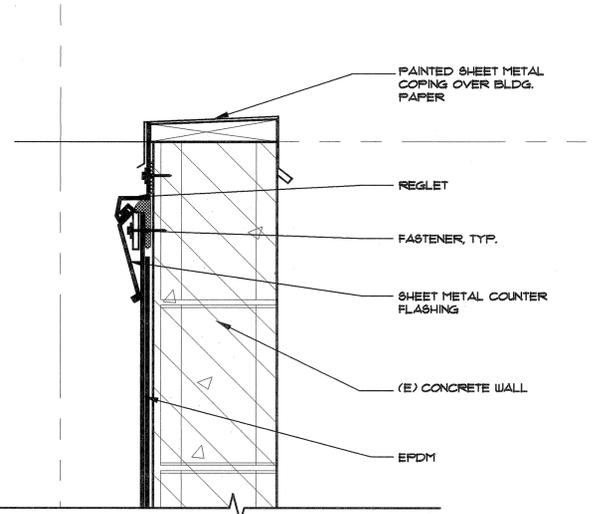
2 SLAB OPENING COVER
 A8.2 SCALE: 1 1/2\"/>



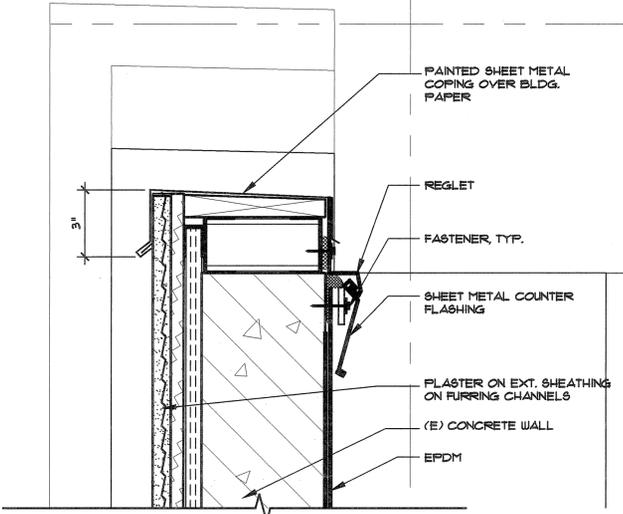
10 SUSPENDED CEILING
 A8.2 SCALE: NT8



7 COMPRESSION STRUT DETAILS
 A8.2 SCALE: NT8

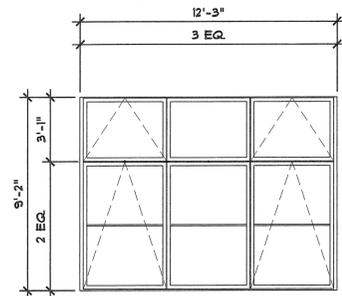


4 COPING DETAIL
 A8.2 SCALE: 3\"/>

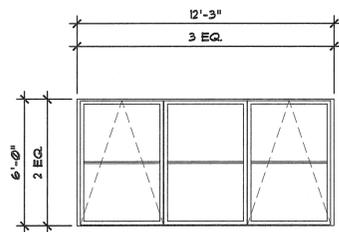


1 COPING DETAIL
 A8.2 SCALE: 3\"/>

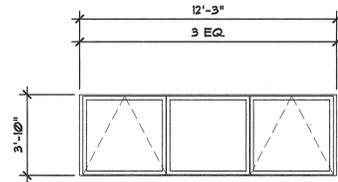
WINDOW TYPES:



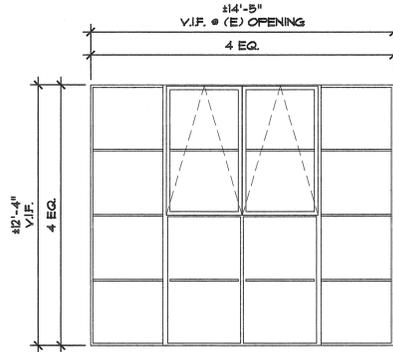
TYPE A



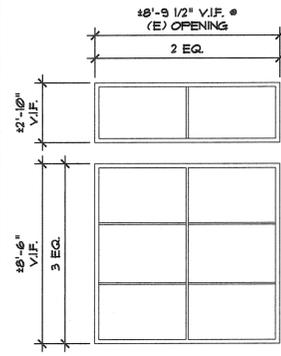
TYPE B



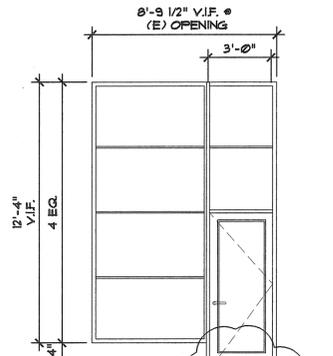
TYPE C



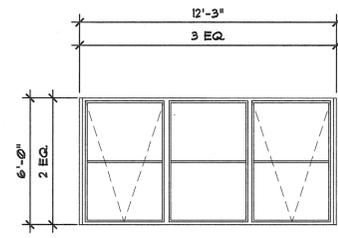
TYPE D



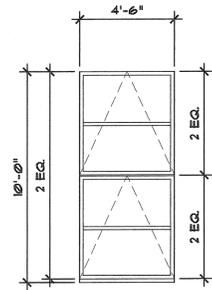
TYPE E



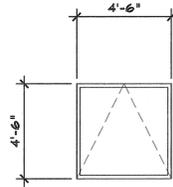
TYPE F



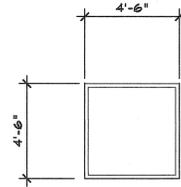
TYPE G



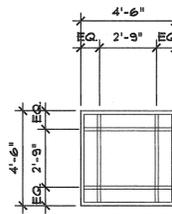
TYPE J



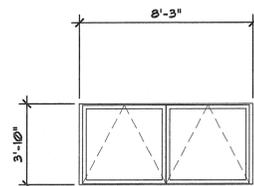
TYPE K



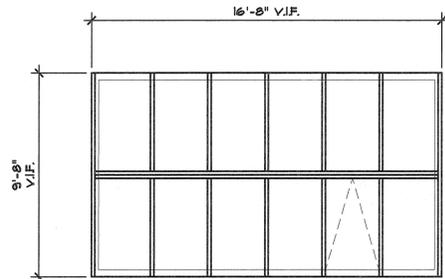
TYPE L



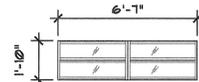
TYPE M
NOTE: GLAZING FOR THIS WINDOW ONLY IS TO BE SINGLE-GLAZED CLEAR TEMPERED GLASS



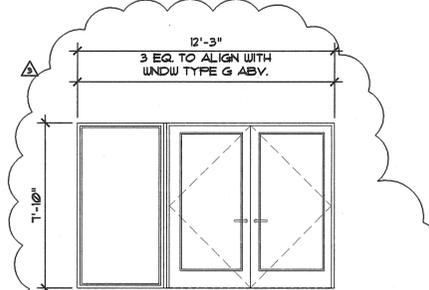
TYPE N



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	4'-4"	AL	V.I.F. (E) OPENING
E	8400 FP	OFFICE	4'-4"	AL	V.I.F. (E) OPENING
F	8400 FP	OFFICE	4'-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	---	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) TYP.
- 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-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fx: 510.446.2242
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 2006

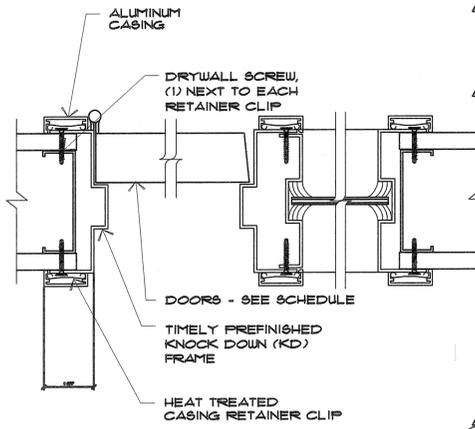


DATE: 02-21-06

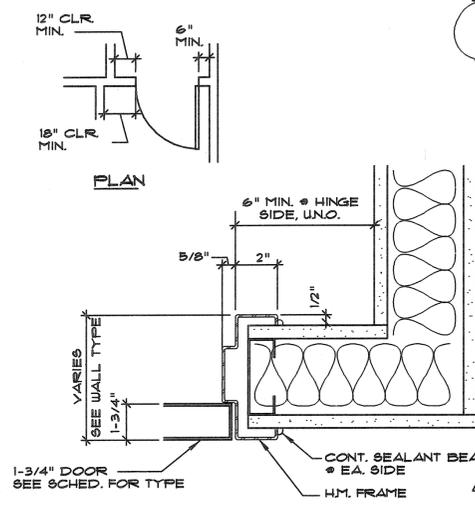
DRAWN BY: MC

JOB NO.: 2513

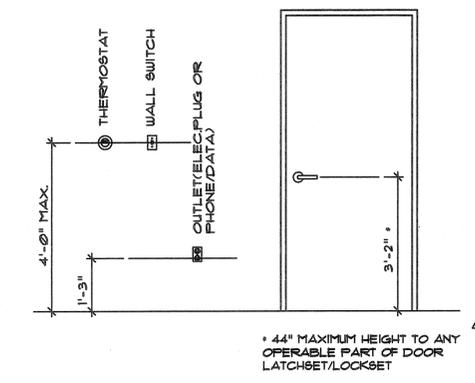
A9.0



9 ALUM. JAMB CONDITIONS, TYP.
SCALE: NTS



8 TYPICAL DETAIL
SCALE: NTS



7 TYP. MOUNTING HEIGHTS
SCALE: NTS

HARDWARE GROUPS:

HARDWARE GROUP NO. 9 BOARDROOM					HARDWARE GROUP NO. 1 STAIRS, CLOSETS, STORAGE, UTILITY				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Hinges	HAG	1279 4 1191		Ball Bearing	Hinges	HAG	1279 4 1191		Ball Bearing, see specs.
Lockset	SCH	L9070P		Pair	Lockset	SCH	L9080P		
Coordinator	GJO	COR2 x BRKTS x Fillers - UP6			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	1279 4 1191		Ball Bearing, see specs.
Astragal Seal	FEM	511			Lockset	SCH	L9070P		
Threshold	FEM	Per Detail			Seals	FEM	588		
HARDWARE GROUP NO. 10 BREAKROOM					HARDWARE GROUP NO. 3 RESTROOMS				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Track	HAG	9801 Series		extra heavy duty pocket door hardware	Threshold	FEM	-		Per Detail
Surface Bolt	HAG	275D		On one leaf only	HARDWARE GROUP NO. 4 RESTROOMS				
Lockset	HAG	9262		Pocket door keyed lock	Type	Mfr.	#	Finish	Remarks
Door Full	Outwater	Alu 247		6" Satin Fin Metal Channel	Hinges	HAG	1279 4 1191		Ball Bearing, see specs.
Threshold	FEM	Per Detail			Push/Full	HAG	308/U		
HARDWARE GROUP NO. 11 BREAKROOM					HARDWARE GROUP NO. 5 BOARD ROOM PATIO DOORS				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Hinge	HAG	550		Single Acting Pivot	Hinges	HAG	1279 4 1191		Ball Bearing, see specs.
Lockset	SCH	L9070P			Lockset	SCH	L9496		
Threshold	FEM	Per Detail			Kickplate	-	10" x 2" LDW		
HARDWARE GROUP NO. 12 BARN DOOR					HARDWARE GROUP NO. 6 OFFICE				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Track	HAG	8000 Series		HEAVY DUTY BARN DOOR ASSEMBLY, INCLUDE TRACK HANGERS, END CAP, TRACK FLASHING, TROLLEY TRUCK, AND HANGERS.	Hinges	HAG	1279 4 1191		Ball Bearing
Door Full	-	-			Lockset	VDP	99 LBR		710" OPEN, MIN.
Stop	-	-		Per Specifications	Closer	DOR	8900		
Lockset	-	-			Stop	-	-		Per Specifications
Surface Bolt	-	-			Seals	FEM	588		
Threshold	FEM	Per Detail			Astragal Seal	FEM	511		
HARDWARE GROUP NO. 13 STAIRS					HARDWARE GROUP NO. 7 STAIR				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Hinges	HAG	1279 4 1191		Ball Bearing, see specs.	Hinges	HAG	1279 4 1191		Ball Bearing, see specs.
Lockset	VDP	99 Series		Rim device/exit only	Lockset	SCH	L9050P		
Closer	DOR	8900		At exterior H.M. doors only.	Seals	FEM	588		
Seals	FEM	588			Stop	-	-		Per Specifications
Stop	-	-		Per Specifications	Threshold	FEM	-		Per Detail
Threshold	FEM	-		Per Detail	HARDWARE GROUP NO. 8 BOARDROOM STORAGE				
HARDWARE GROUP NO. 14 GATES					HARDWARE GROUP NO. 9				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Spring hinge	-	-		By Gate Manufacturer	Hinges	HAG	1279 4 1191		Ball Bearing
Lockset	VDP	99 Series		Rim device/exit only	Lockset	SCH	L9080P		
HARDWARE GROUP NO. 23 WEBSTER ENTRY					HARDWARE GROUP NO. 10				
Type	Mfr.	#	Finish	Remarks	Type	Mfr.	#	Finish	Remarks
Flr. Closers	DOR	BT5 80-BF			Hinges	HAG	1279 4 1191		Ball Bearing, see specs.
Intern. Pivots	DOR	75220		Quantity as req'd by dr. height	Hinges	HAG	ETW		Electric Hinge
Push Full sets	-	-		To be selected by Architect.	Lockset	SCH	L9080EU		
Shear Locks	SDC	1562			Lockset	SCH	L9080EU		
Power Source	SDC	631TD			Closer	DOR	8900		
Sure Exit	SDC	500V		With power transfer.	Seals	FEM	588		
Batt. Backup	SDC	BB-24			Stop	-	-		Per Specifications
Stops	-	-		Per Specifications	Threshold	FEM	-		Per Detail
Weatherstripping	-	-		By Door Manufacturer	HARDWARE GROUP NO. 11				
Astragal	-	-		By Door Manufacturer	Type	Mfr.	#	Finish	Remarks
Threshold	-	-		Per detail	Hinges	HAG	1279 4 1191		Ball Bearing
Cardkey	-	-		By Owner	Lockset	SCH	L9080P		
					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:

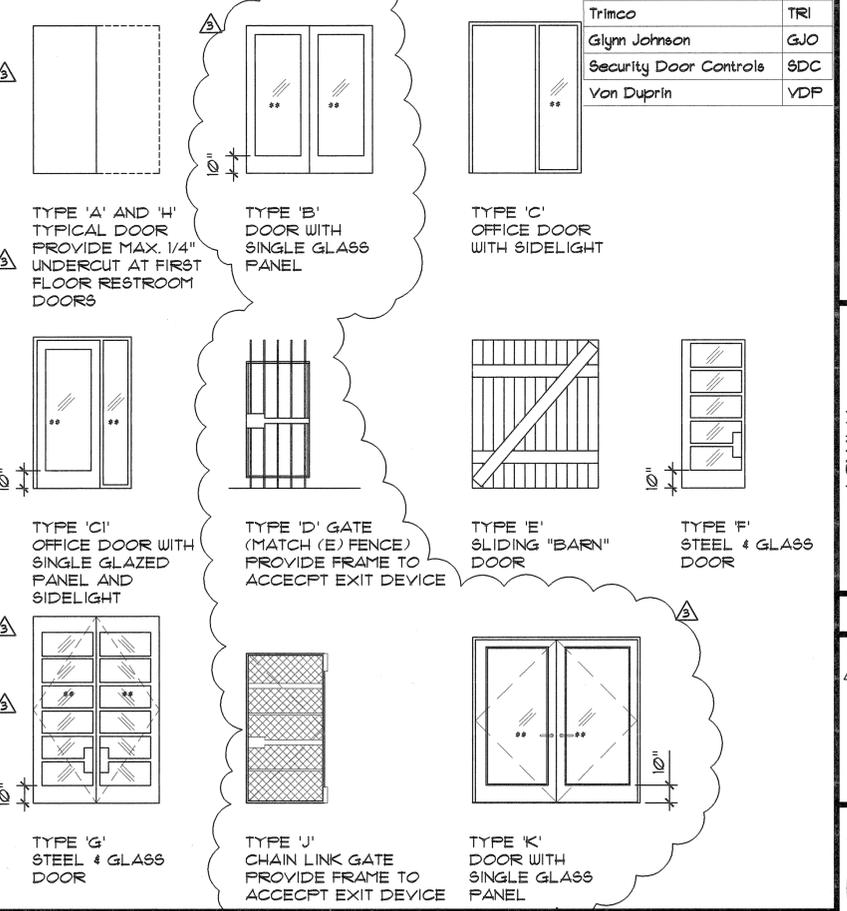
DOOR TYPE	DOOR				FRAME		REMARKS
	MATERIAL	FINISH	WIDTH	HEIGHT	MATERIAL	FINISH	
A	SC	CLR	3'-0"	7'-0"	AL	CLR	1. CLEAR ANODIZED FRAME, TYP. 2. FOR RM. 104 & 110 PROVIDE 1/4" UNDERCUT
B	AL	GL	PTD CLR	6'-0"	8'-0"	AL	PTD
C	SC	GL	CLR	3'-0"	7'-0"	AL	CLR
CI	SC	GL	CLR	3'-0"	7'-0"	AL	CLR
D	MTL	PTD	3'-0"	7'-0"	MTL	PTD	
E	SC	PTD	5'-0"	7'-0"	-	-	
F	STL	CLR	3'-0"	8'-0"	STL	CLR	
G	STL	CLR	3'-0"	19'-0"	STL	CLR	1. PROVIDE PAIR OF DOORS AS SHOWN 2. COORDINATE HT. W/ STEEL WORK, SEE B/A6.2
H	HM	PTD	3'-0"	7'-0"	HM	PTD	
J	CHAIN LINK	GALV PTD	3'-0"	7'-0"	MTL	GALV PTD	1. GALVANIZED AND PAINTED FRAME AND GATE * COORDINATE ASSEMBLY WITH WINDOW TYPR R, SEE WINDOW SCHEDULE, A9.0
K	AL	GL	PTD CLR	3'-10"	7'-10"	AL	PTD

GENERAL NOTES:
1. FOR THRESHOLD DETAILS, SEE SHEET A8.1
2. 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, U.ON.
- 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		W&CT		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	P1	E	-	-
101	RECYCLE, TRASH & BICYCLE	ARX	CS	WD	P6	CLR	-	GB	P3	G	-	-
102	CONFERENCE ROOM	CP1*	-	WD	ST	-	-	GB	P4	S	GB	P2
103	ELECTRIC CLOSET	EC	CS	RB	-	-	-	GB	P3	G	-	-
104	MEN'S RESTROOM	T1	-	T2	-	T2*	-	GB	P3	G	GB	P2
105	MAIL & COPY ROOM	RR	-	RR	-	-	-	GB	P1	E	AT1	-
106	DISPLAY ROOM	TT	-	MTL	CLR	-	-	GB	P1	E	-	P2
107	BREAK ROOM	L2	-	LB	-	L1*	-	GB	P4	E	-	P2
108	BOARD ROOM / TRAINING ROOM	CP1	-	MTL	CLR	-	-	GB	P4	S	AT2	-
109	STORAGE / JANITOR	L2	-	LB	-	L1*	-	GB	P3	G	-	-
110	WOMEN'S RESTROOM	T1	-	T2	-	T2*	-	GB	P3	G	GB	P2
111	PRIVATE ROOM	CP1	-	RB	-	-	-	GB	P1	S	AT1	-
112	OPEN OFFICE SPACE	CP1	-	RB	-	-	-	GB	P1	S	-	-
113	LIBRARY	CP1**	-	WD	ST	-	-	GB	P1	S	-	-
114	HALL	TT	-	MTL	CLR	-	-	GB	WD	P1	ST	**
115	CLOSET	EC	CS	RB	-	-	-	GB	P3	G	-	-
116	ELEV. MACHINE ROOM	EC	CS	RB	-	-	-	GB	P3	G	GB	P2
117	STORAGE	EC	CS	RB	-	-	-	GB	P1	-	-	P2
118	CLOSET	CP1	-	RB	-	-	-	GB	P4	S	-	-
200	OPEN OFFICE SPACE	CP2	-	RB*	WD	P6	-	GB*	P5	S	-	P2
201	PRIVATE OFFICE	CP2	-	WD	P6	-	-	GB*	P5	S	AT1	-
202	CONFERENCE ROOM	CP2	-	WD	P6	-	-	GB*	P5	S	AT1	-
203	PRIVATE OFFICE	CP2	-	WD	P6	-	-	GB*	P5	S	AT1	-
204	MISC. ROOM	CP2	-	RB	-	-	-	GB*	P5	S	-	P2
205	GRAPHICS ROOM	CP2	-	RB	-	-	-	GB*	P5	S	-	P2
206	MEN'S RESTROOM	T1	-	T2	-	T2*	-	GB	P3	G	GB	P2
207	WOMEN'S RESTROOM	T1	-	T2	-	T2*	-	GB	P3	G	GB	P2
208	BREAK ROOM	L2	-	WD	P6	-	-	GB	P5	E	AT1	-
209	COPY AREA	CP2	-	RB	-	-	-	GB	P5	S	AT1	-
210	ELECTRIC ROOM	T1	-	T1	-	-	-	T2	-	-	GB	P2
211	JANITOR CLOSET	T1	-	T1	-	-	-	GB*	P5	S	-	-
ELEV	ELEVATOR	TT	-	-	-	-	-	MTL	-	-	MTL	-
STAIR 1	LOBBY STAIR	TT	-	-	-	-	-	-	-	-	-	-
STAIR 2	REAR STAIR	MTL	P6	EXT	-	-	-	-	-	-	-	-

LEGEND

ARX	ARDEX OR EQUAL WITH INTEGRAL COLOR	LB	LINOLEUM INTEGRAL COVE BASE
AT1	ACOUSTIC TILE, 2'X2'	MTL	METAL
AT2	ACOUSTIC TILE, 1'X1' CONCEALED SPLINE	P1	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	GYPSUM BOARD	T1	CERAMIC TILE 1 - FLOOR TILE
L1	LINOLEUM SHEET COLOR #1	T2	CERAMIC TILE 2 - WALL TILE
L2	LINOLEUM SHEET COLOR #2	WD	WOOD



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
ADD. 3 03-13-06

© COPYRIGHT 2006

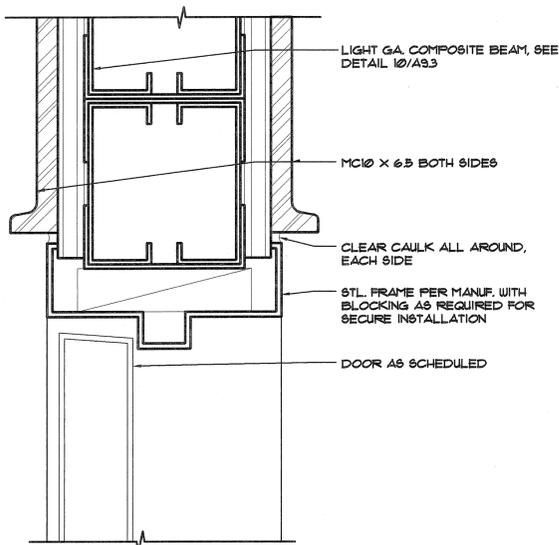


DATE: 02-21-06

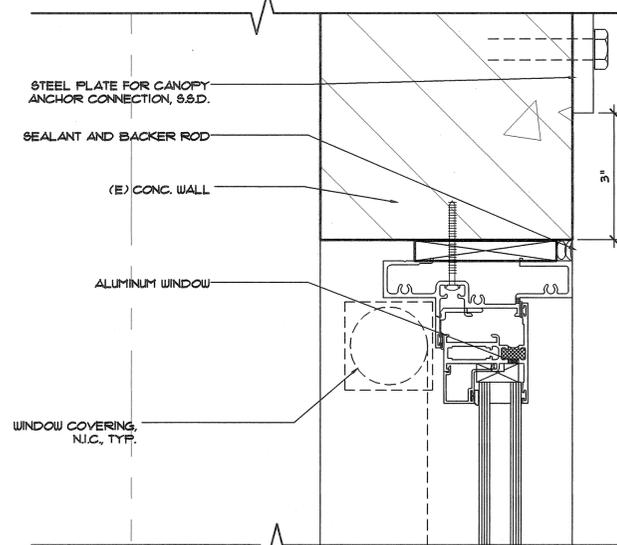
DRAWN BY: MC

JOB NO.: 2513

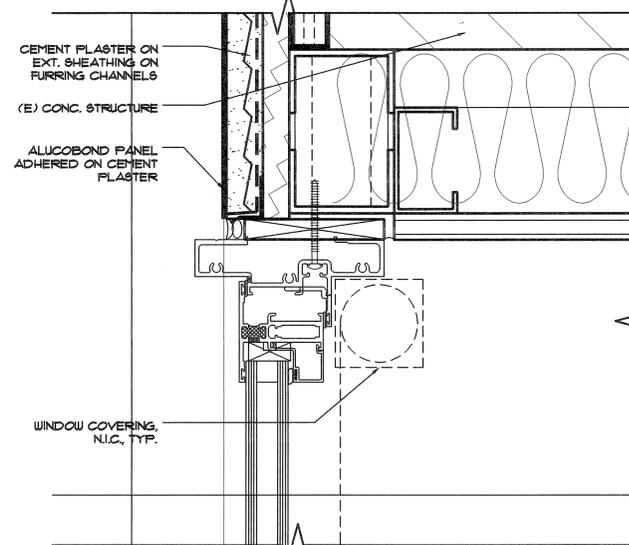
A9.2



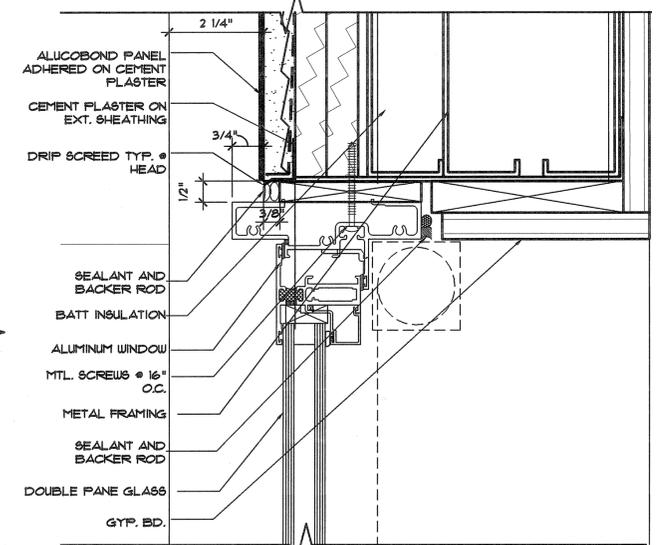
12 HEAD
A9.3 SCALE: 6" = 1'-0"



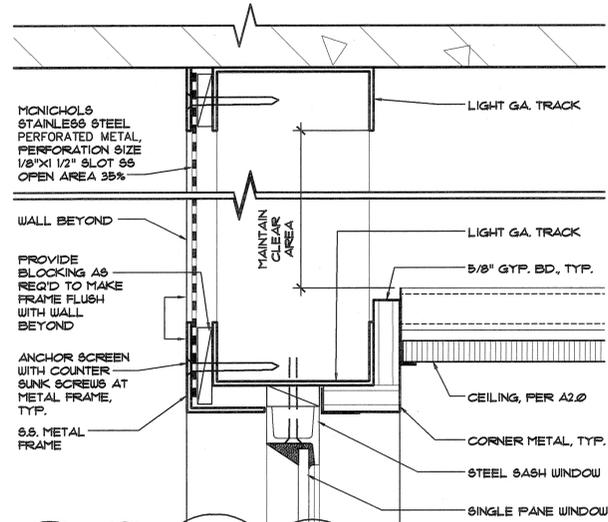
9 HEAD
A9.3 SCALE: 6" = 1'-0"



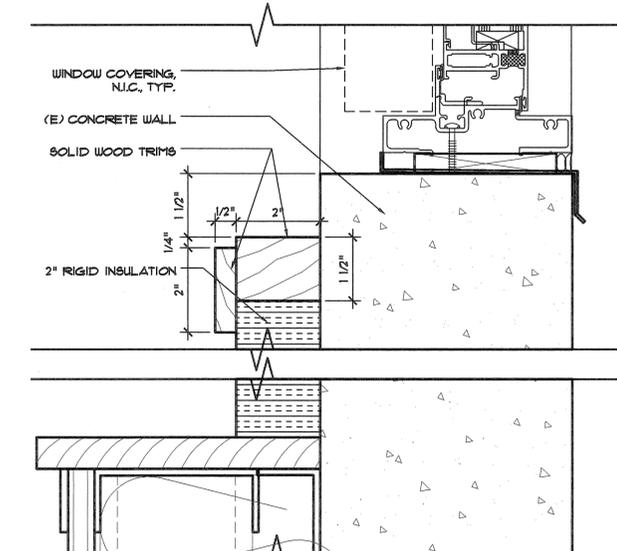
6 HEAD
A9.3 SCALE: 6" = 1'-0" SEE DET. 3/A9.3 FOR SIM. NOTES



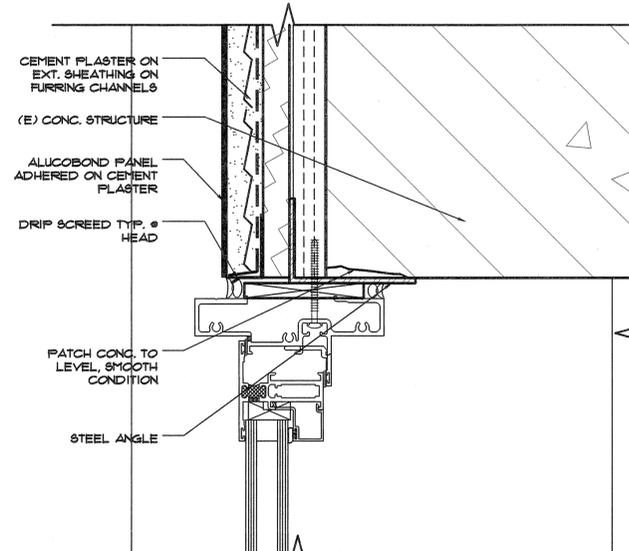
3 HEAD
A9.3 SCALE: 6" = 1'-0"



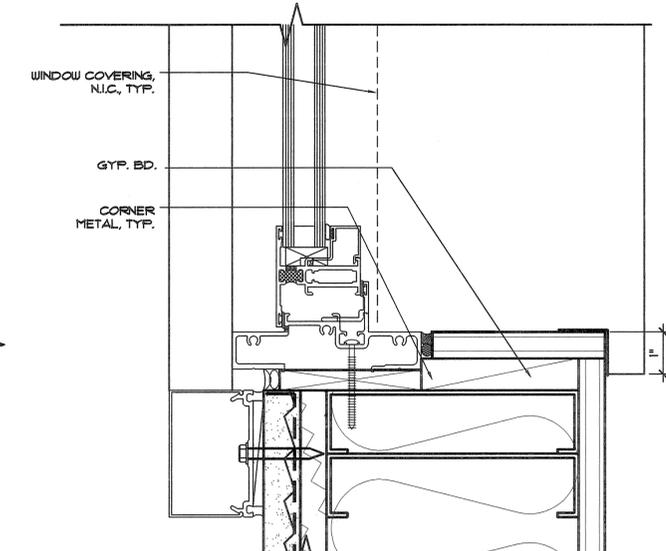
11 HEAD/JAMB SIMILAR
A9.3 SCALE: 6" = 1'-0"



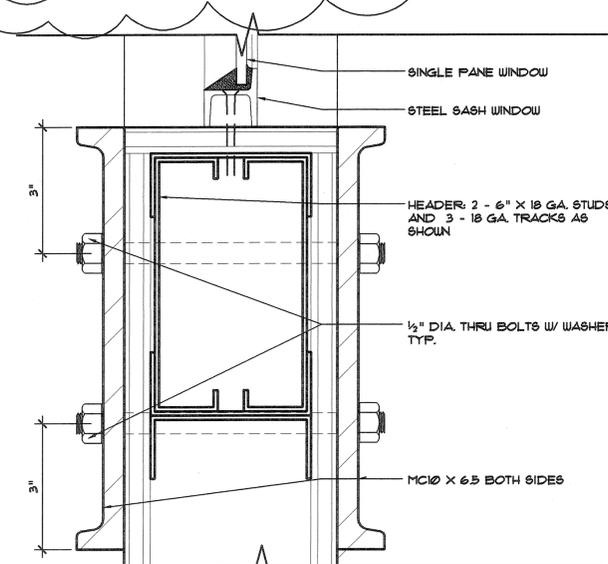
8 SILL/JAMB SIMILAR
A9.3 SCALE: 6" = 1'-0" SEE DET. 1/A9.3 FOR SIM. NOTES



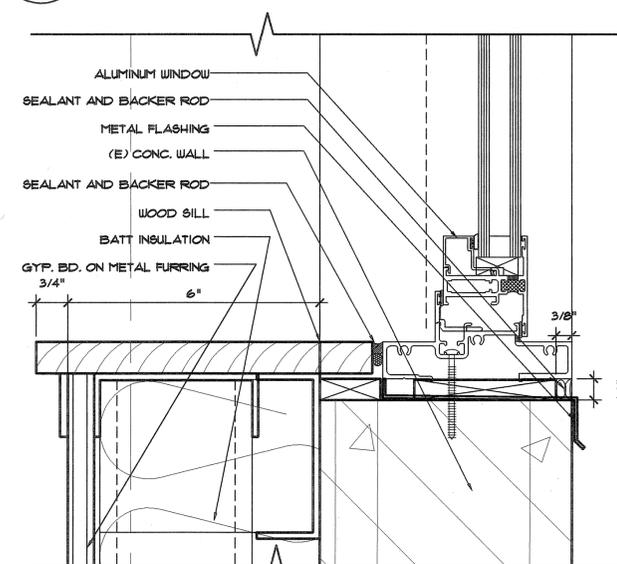
5 HEAD
A9.3 SCALE: 6" = 1'-0" SEE DET. 3/A9.3 FOR SIM. NOTES



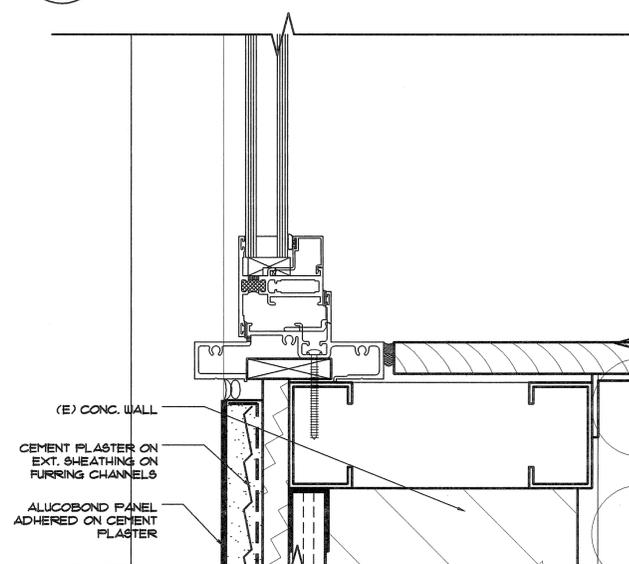
2 JAMB
A9.3 SCALE: 6" = 1'-0" SEE DET. 1/A9.3 FOR SIM. NOTES



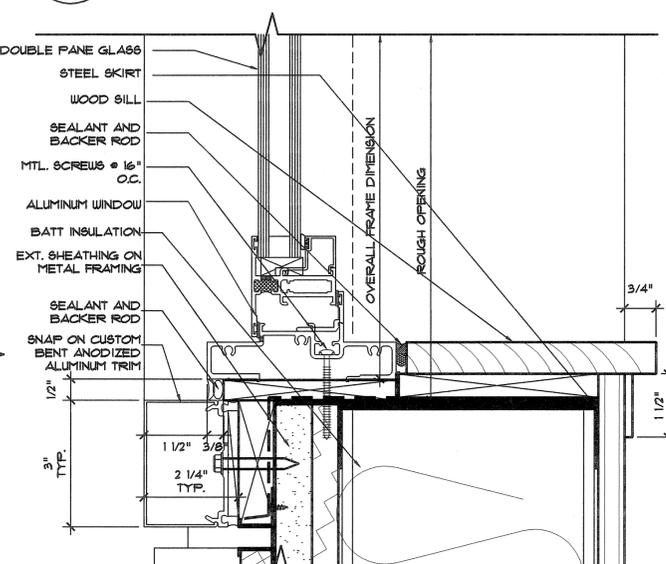
10 SILL
A9.3 SCALE: 6" = 1'-0"



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



4 SILL
A9.3 SCALE: 6" = 1'-0" SEE DET. 1/A9.3 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 AMPITUDE 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-W1.4X1.4.
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 E7X7-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.

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

PERMIT SET

REVISIONS

ADDM 3 03-13-06

UNLESS OTHERWISE NOTED

DATE 01-09-05

DRAWN BY: AC

JOB NO.: 0508

SO.1

(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: $V = (2.5 \times C_a \times 1/R) \times W$

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	P	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 ϕ	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

PERMIT SET

REVISIONS
 ADDM. 3 03-13-06

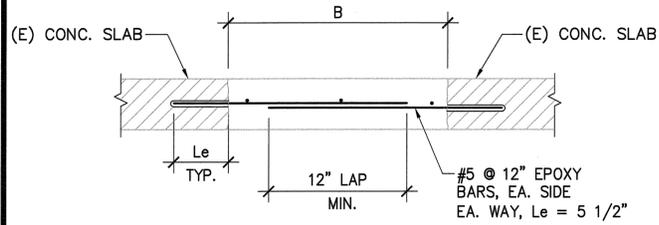
UNLESS OTHERWISE SPECIFIED
 COPYRIGHT 2005

DATE: 01-09-05

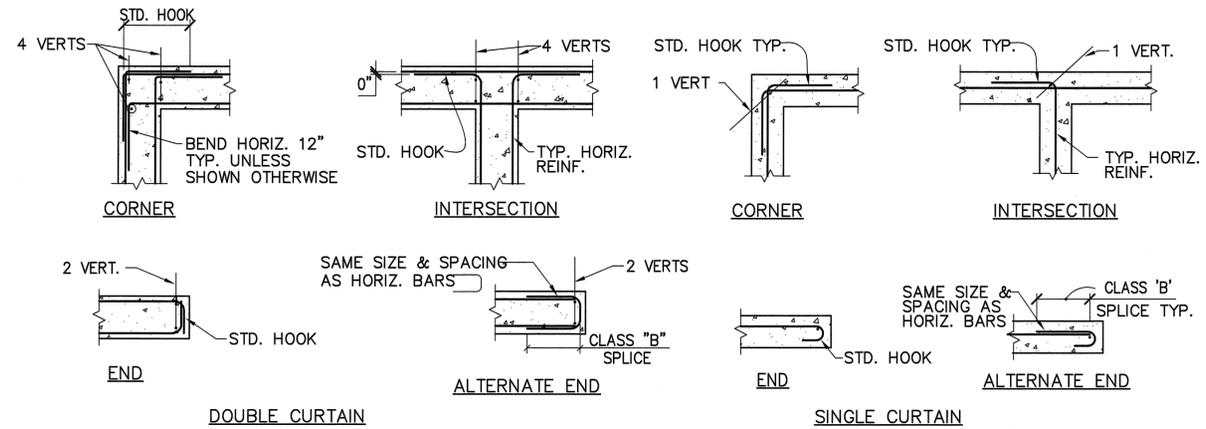
DRAWN BY: AC

JOB NO.: 0508

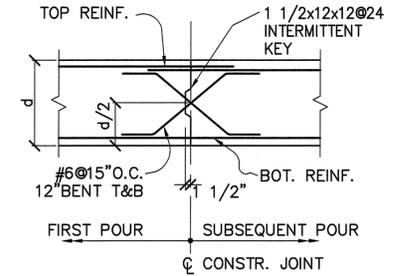
S0.2



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



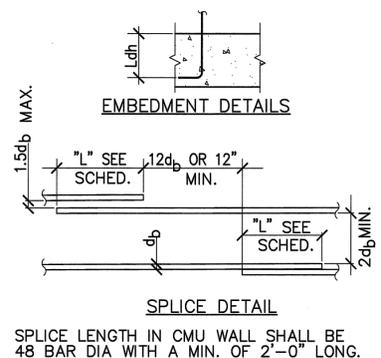
4 TYP. CONC. WALL & FTG INTERSECTIONS



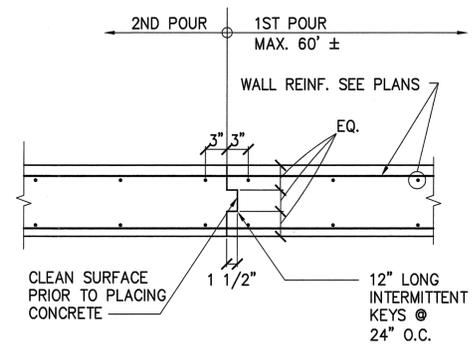
1 GRADE BEAM CONSTR. JOINT DETAIL

CONCRETE STRENGTH	F'c = 4000 PSI					F'c = 5000 PSI				
	CLASS 'A'		CLASS 'B'		Ldh	CLASS 'A'		CLASS 'B'		Ldh
	OTHERS	T. BARS	OTHERS	T. BARS		OTHERS	T. BARS	OTHERS	T. BARS	
#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"

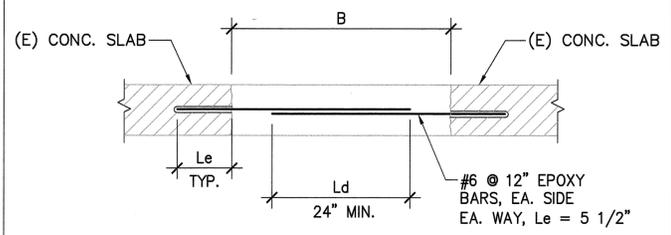
NOTES: 1. USE CLASS 'B' SPLICES FOR VERTICAL & HORIZONTAL BARS TYP. U.O.N.
2. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW THEM.
3. VALUES SHOWN ARE FOR GR. 60 BARS IN NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE MULTIPLY TABLE VALUES BY 1.3.
4. FOR #11 BARS AND SMALLER WITH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



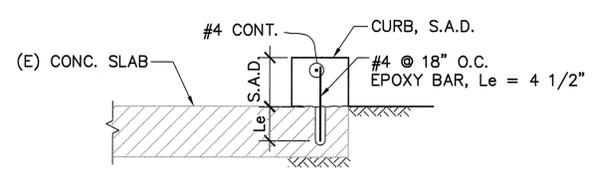
5 SPLICE LENGTHS & EMBEDMENT



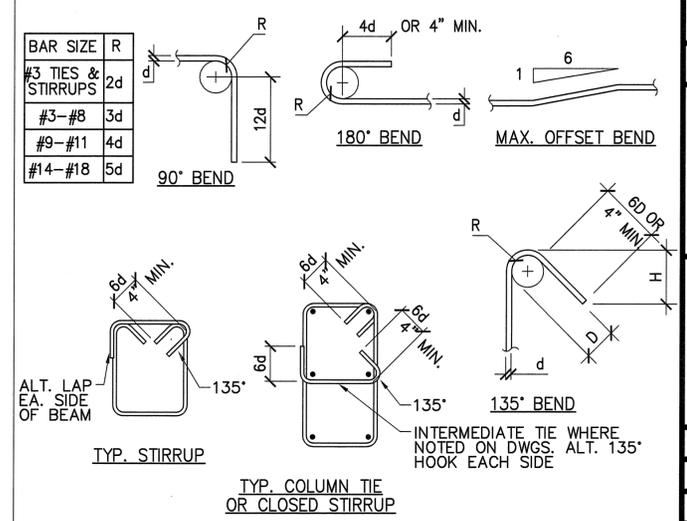
2 CONC. WALL VERT. JOINT DETAIL



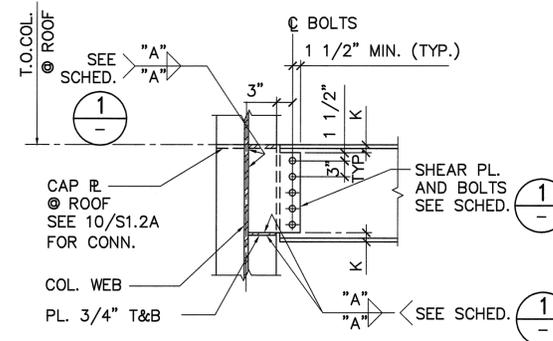
7 INFILL SLAB OPENING
S0.3 B > 3'-0"



6 TYP. CURB DETAIL



3 STANDARD HOOKS, BENDS, TIES

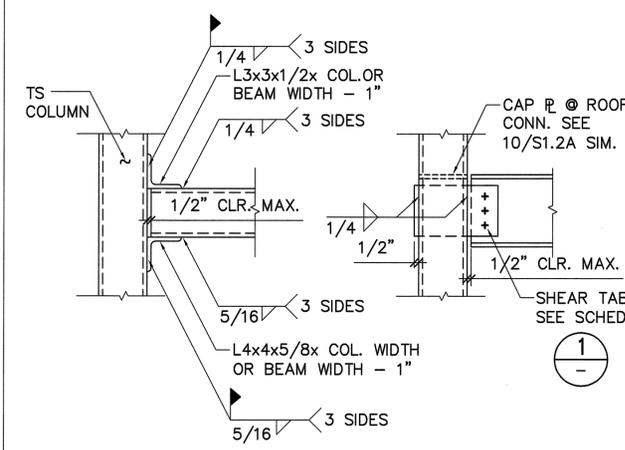


TYPICAL BEAM TO COL. WEB
SIMPLE CONNECTION 4
S0.4

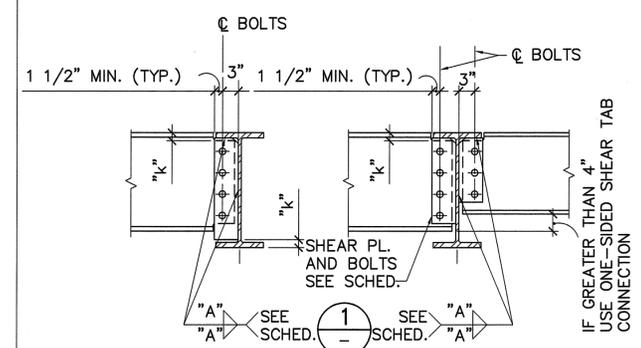
BEAM SIZE (1)	NO. OF BOLTS 7/8"Ø A325-N	SHEAR PL.	WELD SIZE "A"
W8, W10	2	1/4	1/4 (2)
W12, W14	3	1/4	1/4 (2)
W16, W18	4	3/8	5/16
W21	5	3/8	5/16
W24	6	3/8	5/16
W27	7	3/8	5/16
W30	8	1/2	5/16

- (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.

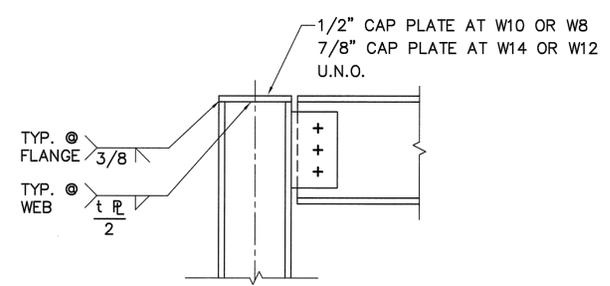
SIMPLE CONNECTION 1
SCHEDULE S0.4



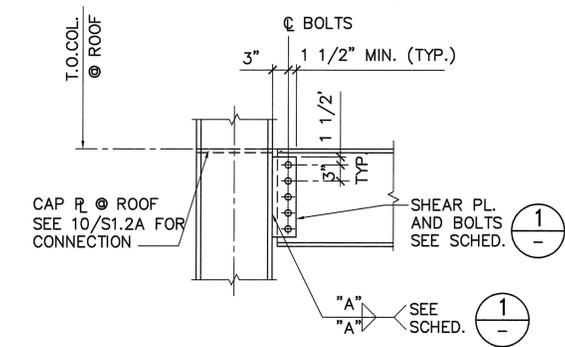
TYPICAL BEAM TO TS COL.
CONNECTION 5
S0.4



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



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

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

PERMIT SET

REVISIONS
ADDM. 3 03-13-06

UJ-0009 COPYRIGHT 2005

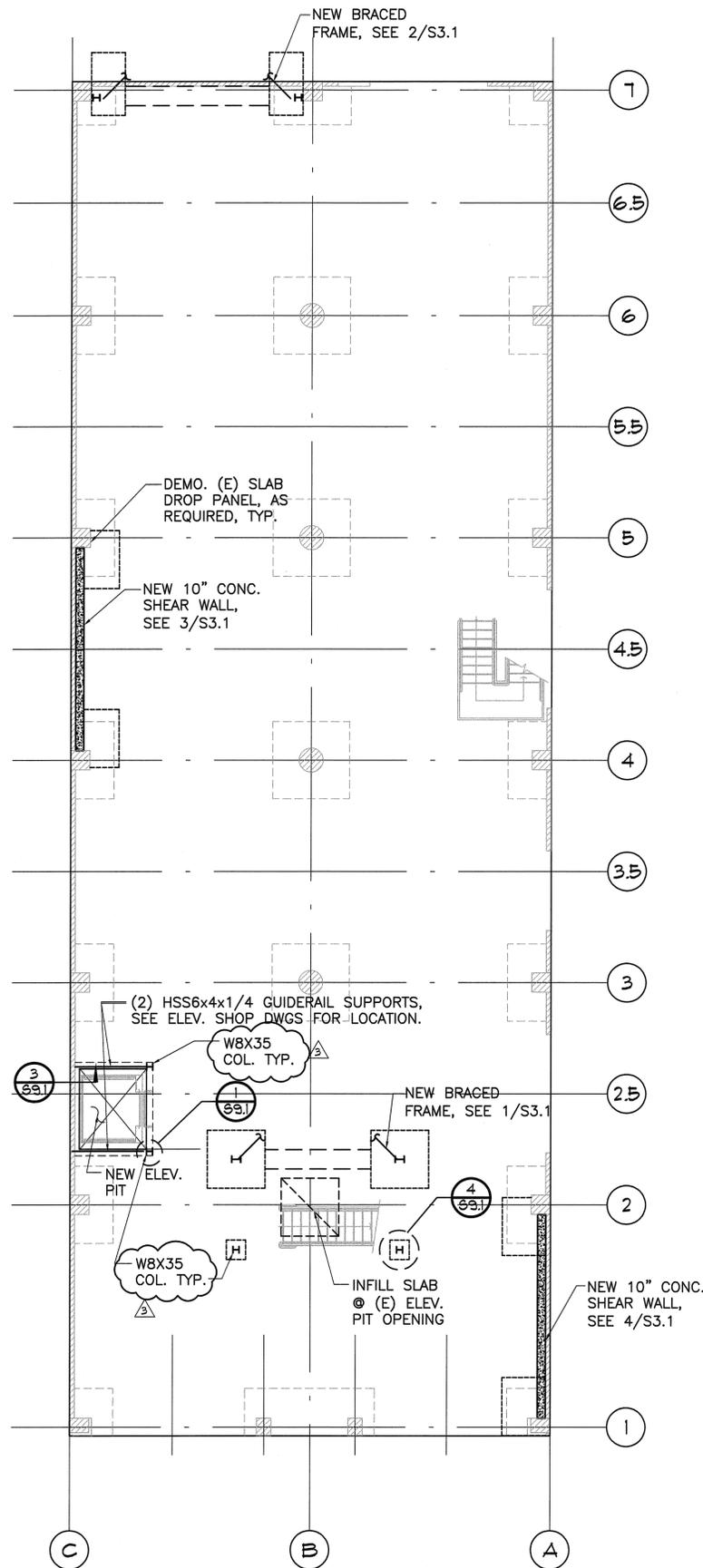
DATE: 01-09-05

DRAWN BY: AC

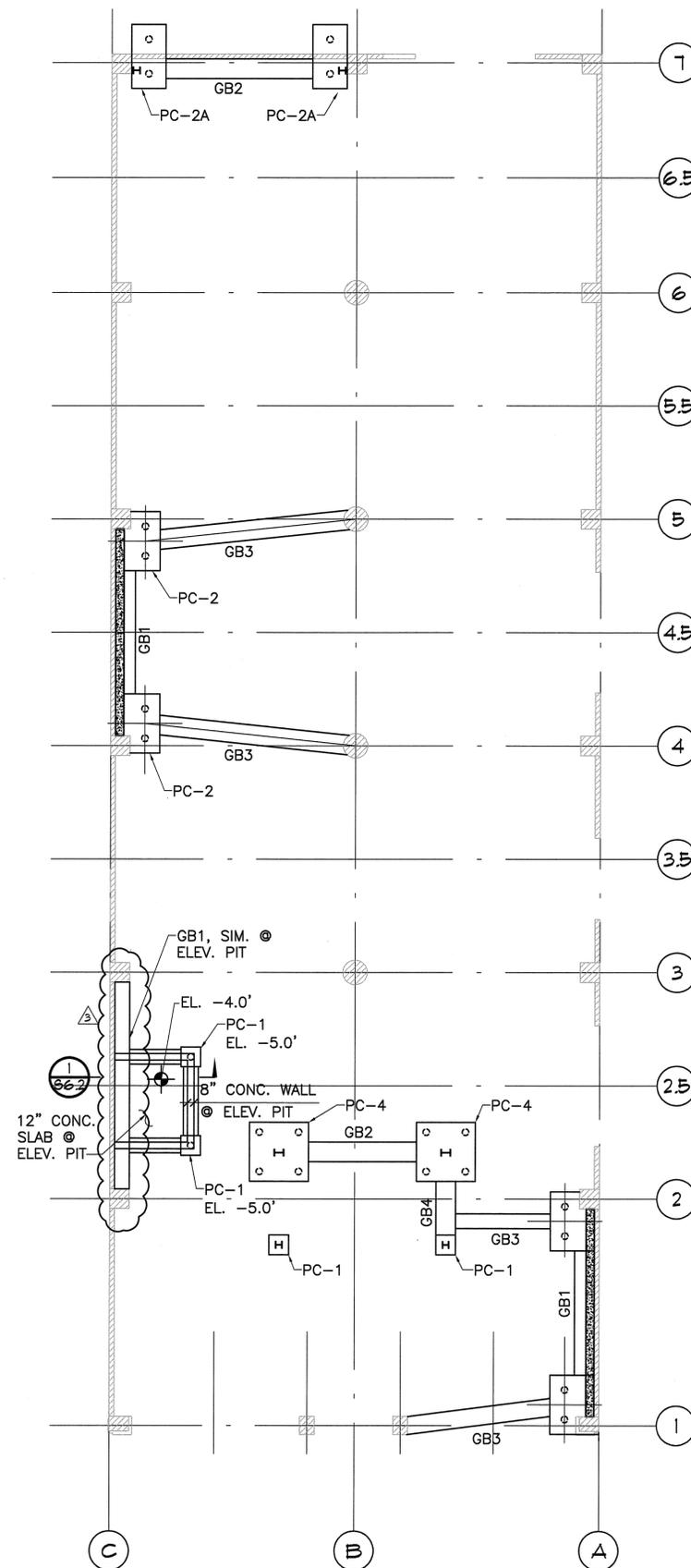
JOB NO.: 0508

S0.4

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



2 FLOOR PLAN - GROUND LEVEL
 S1.0 SCALE: 1/8" = 1'-0"



1 FOUNDATION PLAN
 S1.0 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.

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



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

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

PERMIT SET

REVISIONS
 ADDM. 3 03-13-06

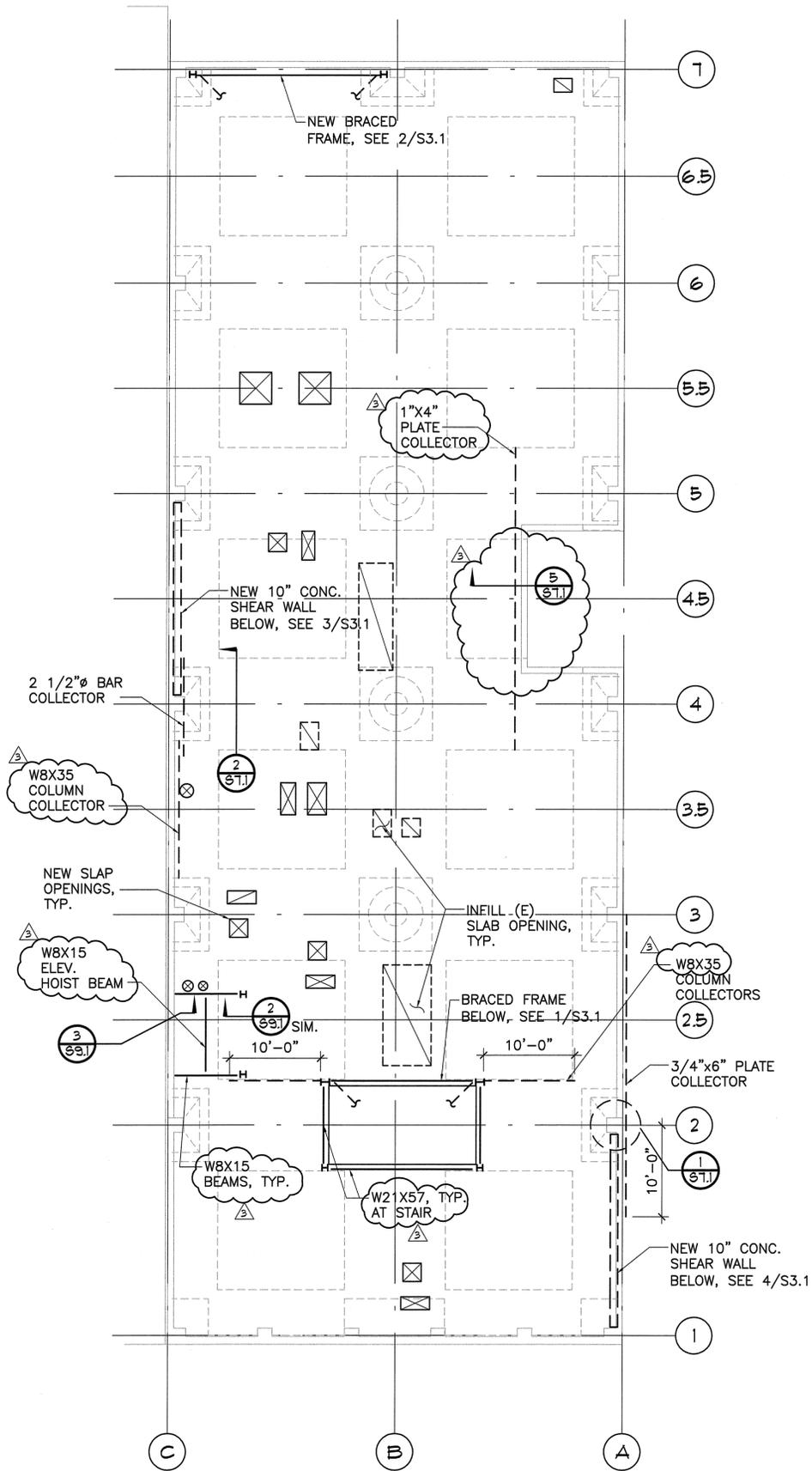
1/4-0009 COPYRIGHT 2005

DATE: 01-09-05

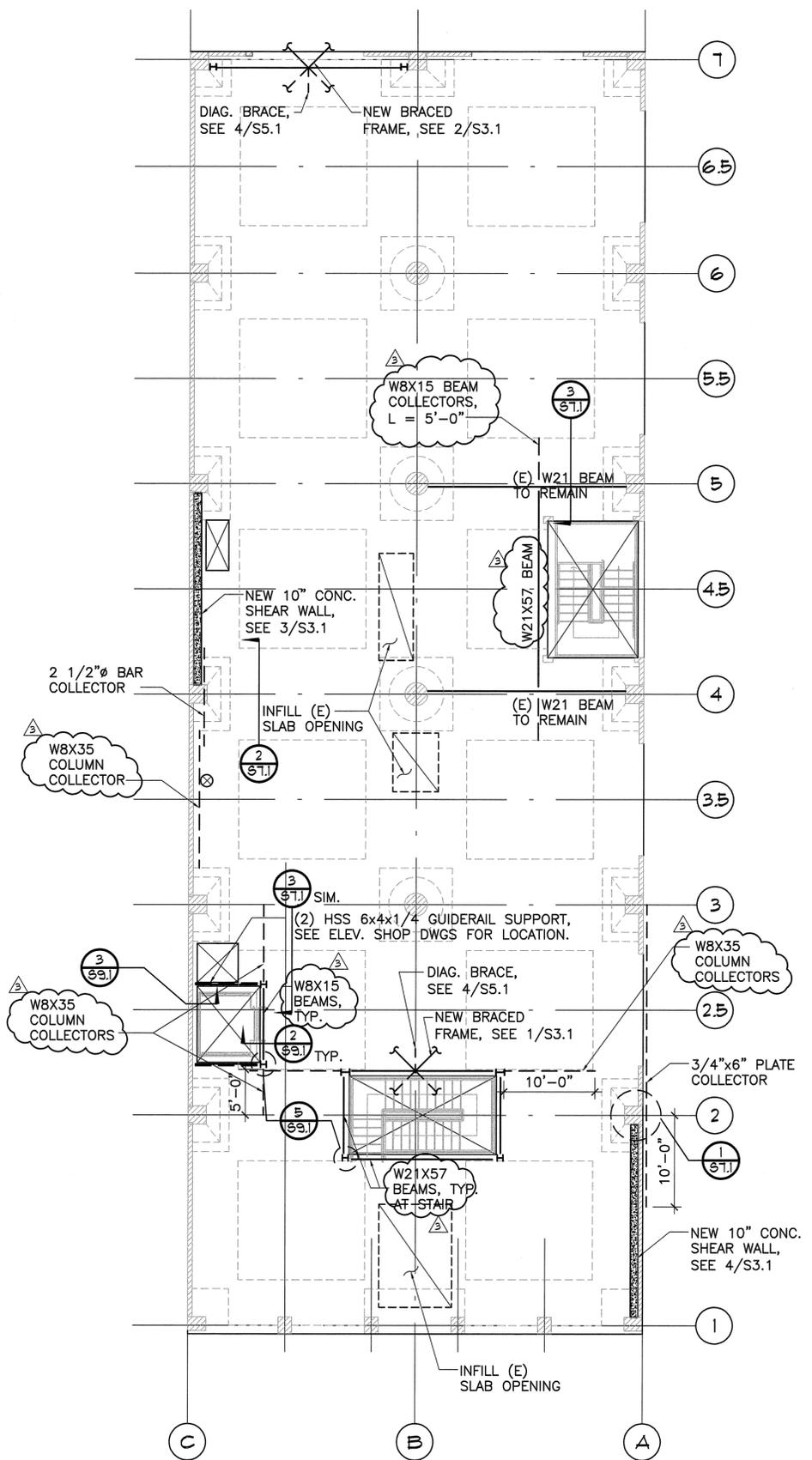
DRAWN BY: AC

JOB NO.: 0508

S1.0



2 ROOF PLAN
 S1.1 SCALE: 1/8" = 1'-0"

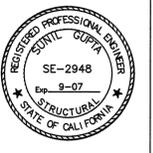


1 FLOOR PLAN - SECOND LEVEL
 S1.1 SCALE: 1/8" = 1'-0"

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



1537 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

PERMIT SET

REVISIONS
 ADDM. 3 03-13-06

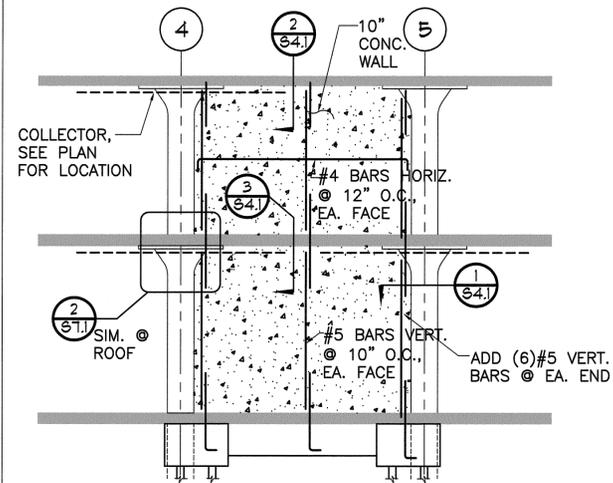
1J-0069 COPYRIGHT 2005

DATE: 01-09-05

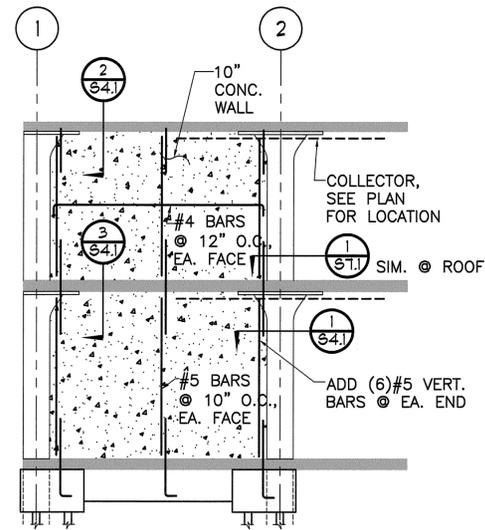
DRAWN BY: AC

JOB NO.: 0508

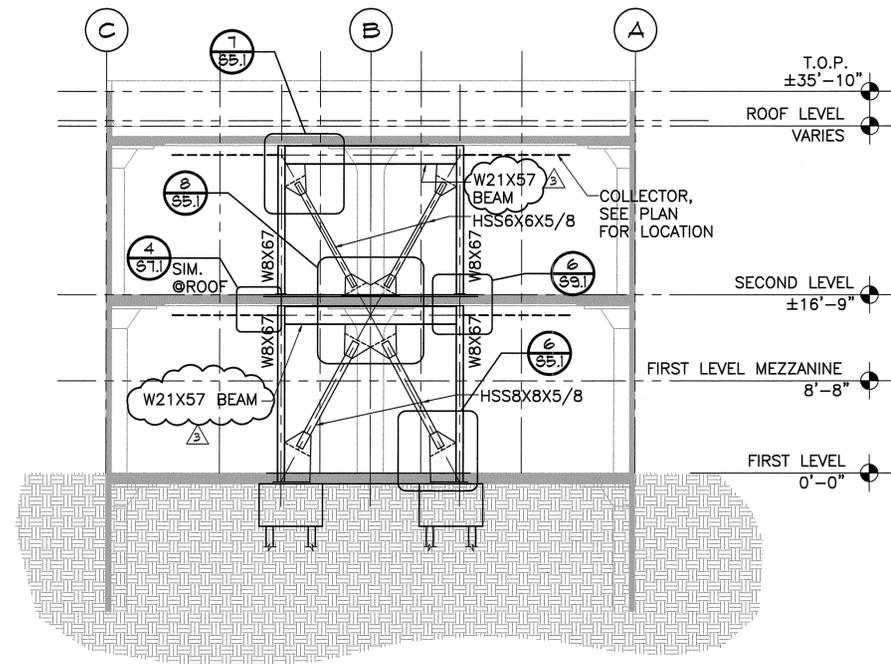
S1.1



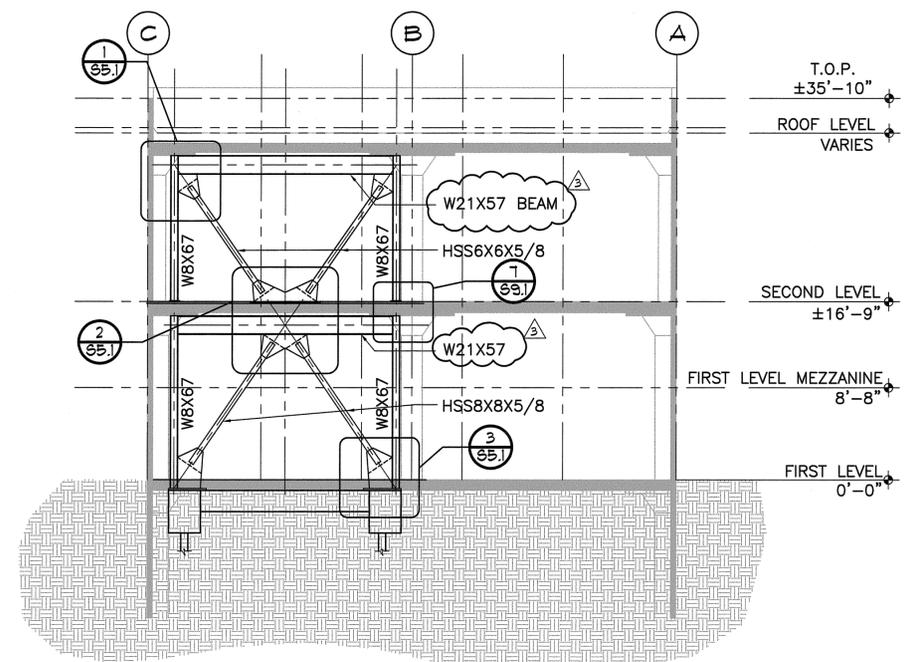
3 ELEVATION @ LINE C
S3.1 SCALE: 1/8" = 1'-0"



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"



PERMIT SET

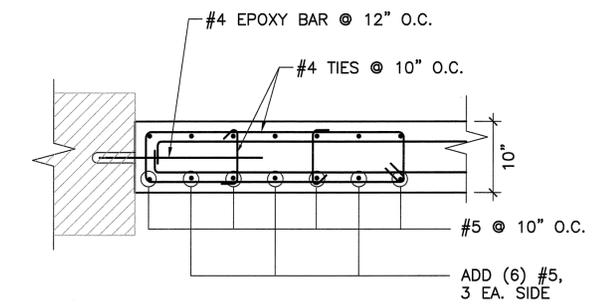
REVISIONS
3 ADDM. 3 03-13-06

1/4-00009 COPYRIGHT 2005

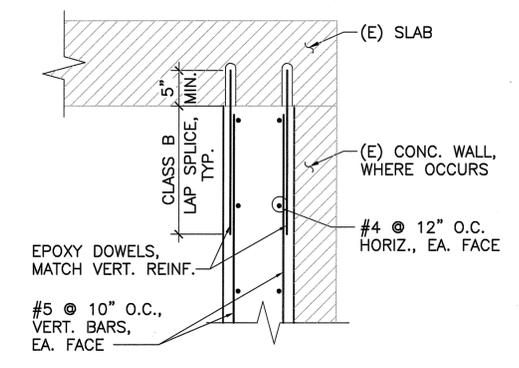
DATE: 01-09-05

DRAWN BY: AC

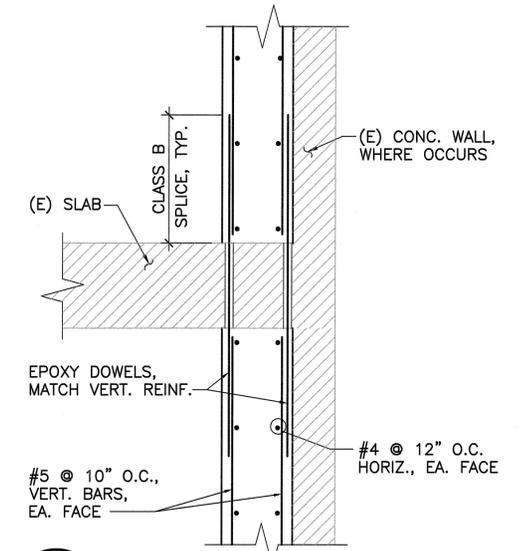
JOB NO.: 0508



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



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



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

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



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

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

PERMIT SET

REVISIONS
ADDM. 3 03-13-06

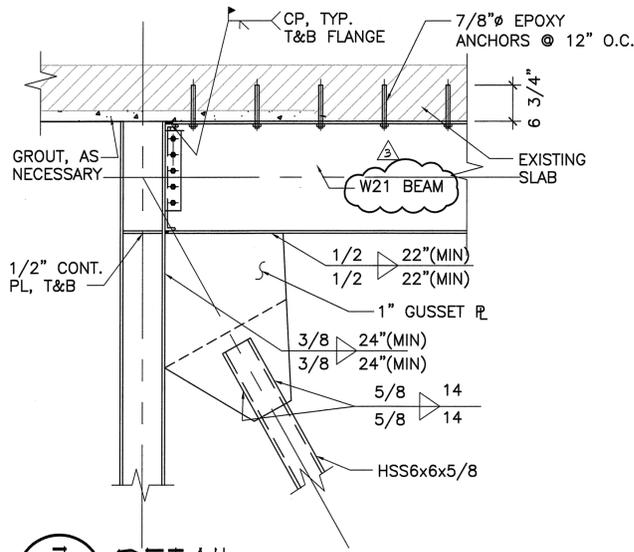
U+00009 COPYRIGHT 2005

DATE: 01-09-05

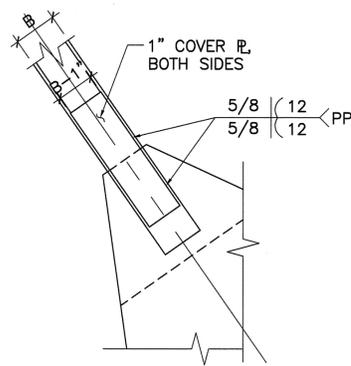
DRAWN BY: AC

JOB NO.: 0508

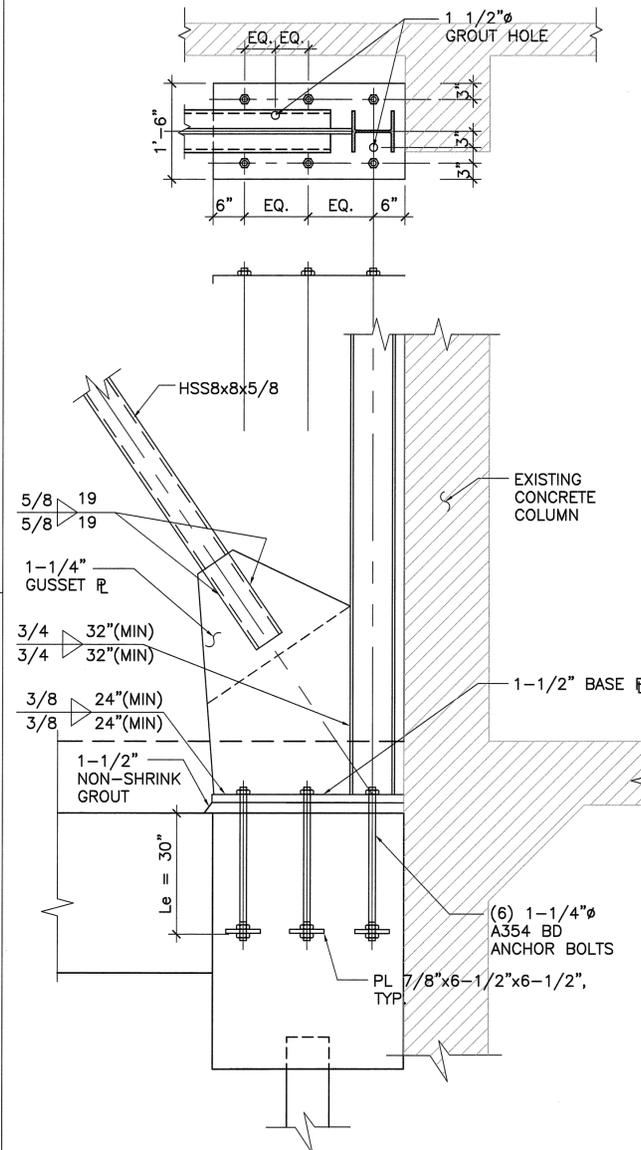
S4.1



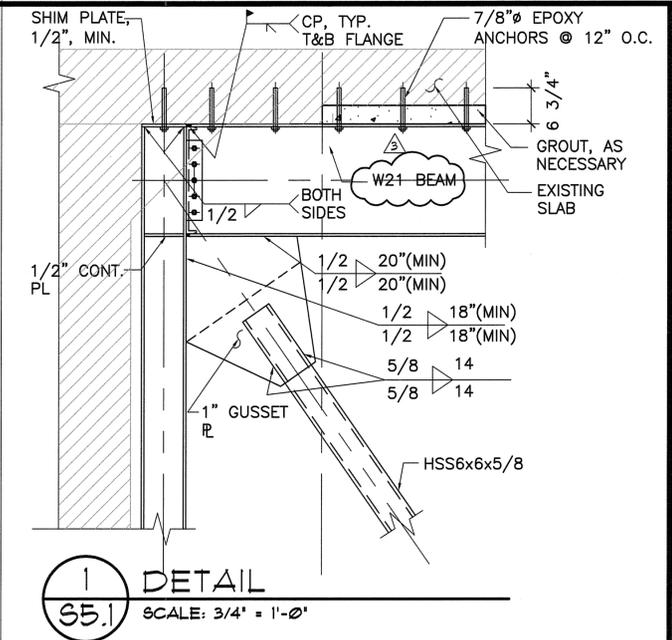
7 DETAIL
 S5.1 SCALE: 3/4" = 1'-0"



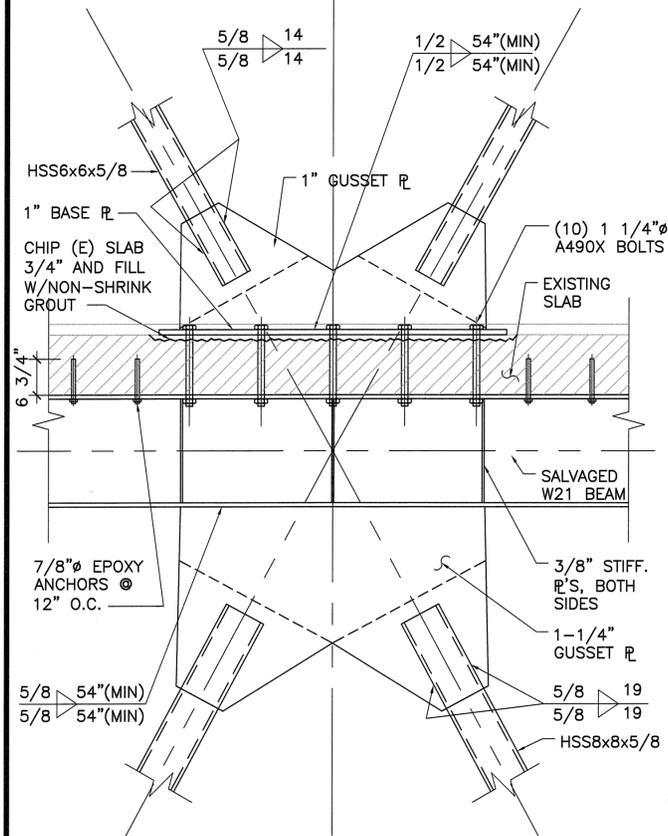
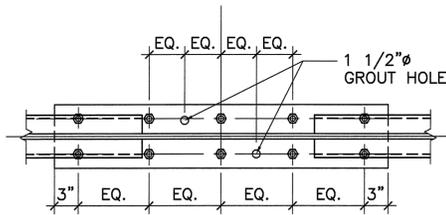
5 TYP. COVER PLATE DETAIL
 S5.1 SCALE: 3/4" = 1'-0"



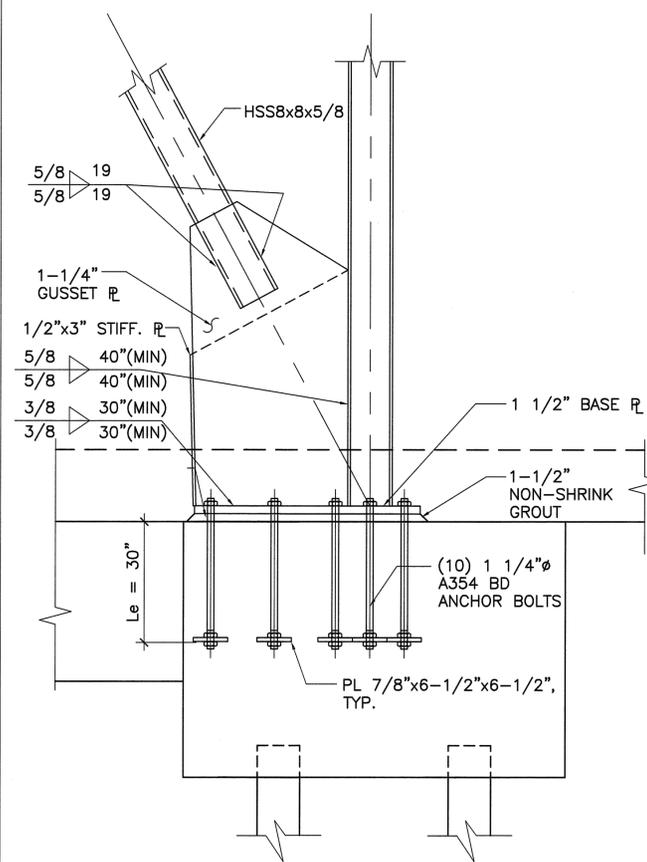
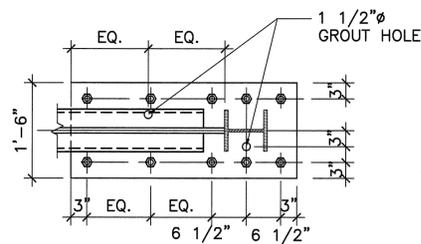
3 DETAIL
 S5.1 SCALE: 3/4" = 1'-0"



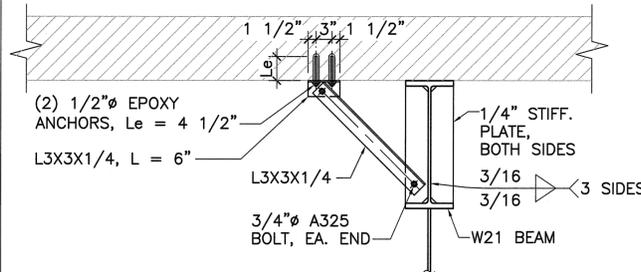
1 DETAIL
 S5.1 SCALE: 3/4" = 1'-0"



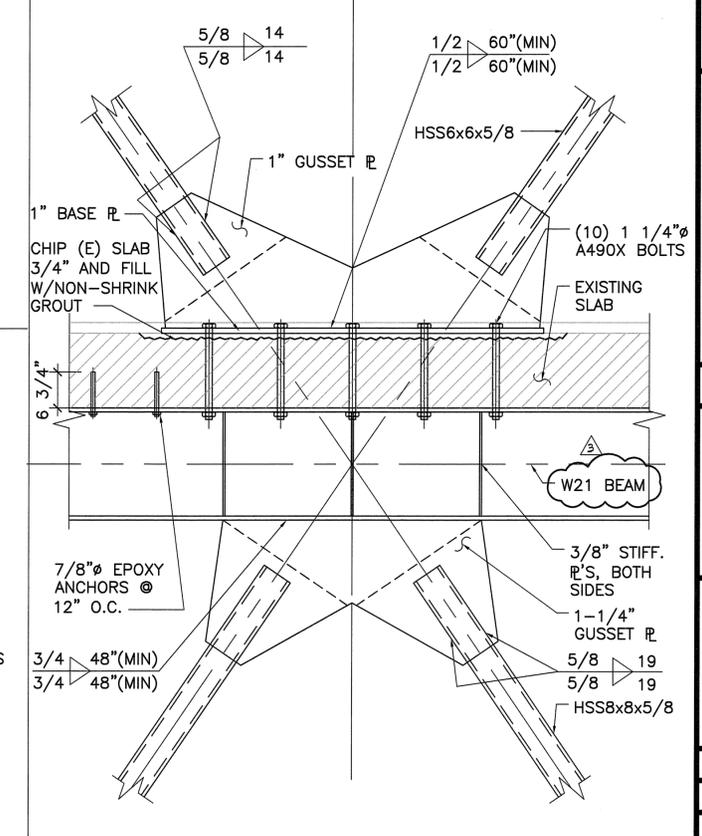
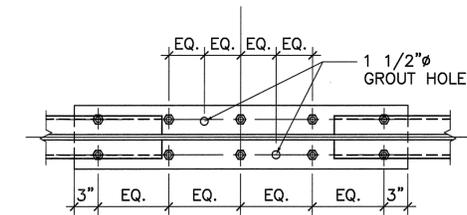
8 DETAIL
 S5.1 SCALE: 3/4" = 1'-0"



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



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



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

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



1537 WEBSTER ST. OAKLAND, CA
 BUILDING REHABILITATION
 AND SEISMIC IMPROVEMENTS
 STEEL BRACED FRAME DETAILS

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

PERMIT SET

REVISIONS
 A. ADDM. 3 03-13-06

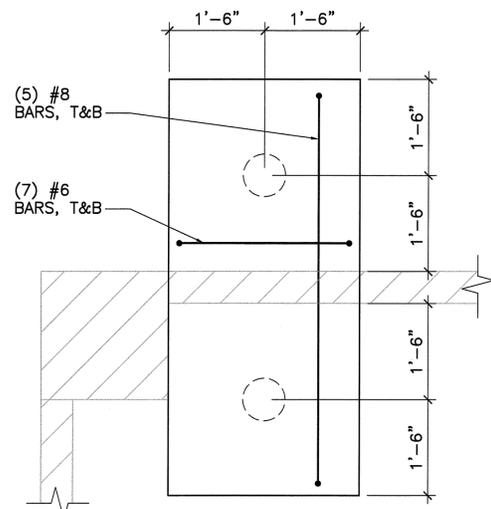
1/4-0009 COPYRIGHT 2005

DATE: 01-09-05

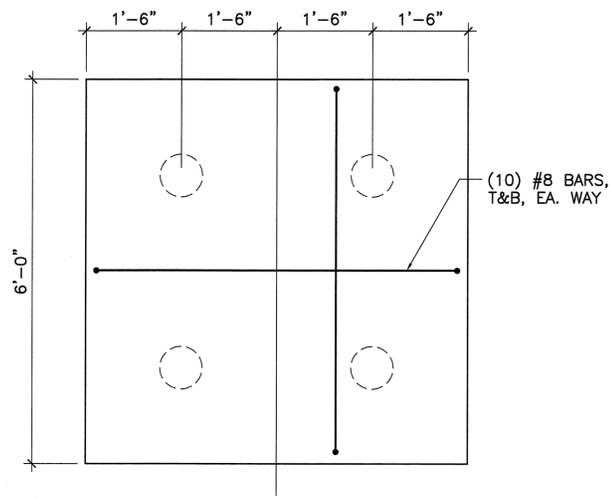
DRAWN BY: AC

JOB NO.: 0508

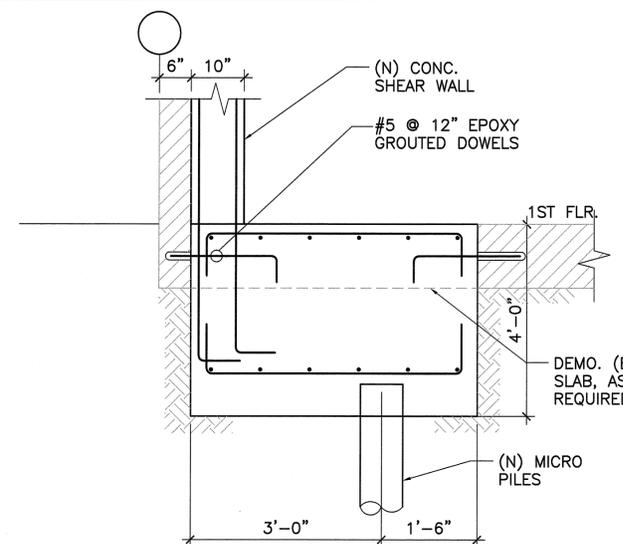
S5.1



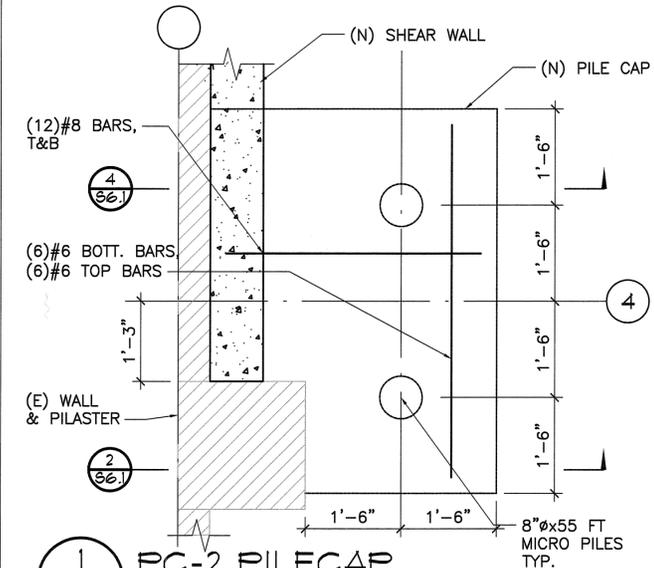
10 PC-2A PILECAP
 S6.1 SCALE: 3/4" = 1'-0"



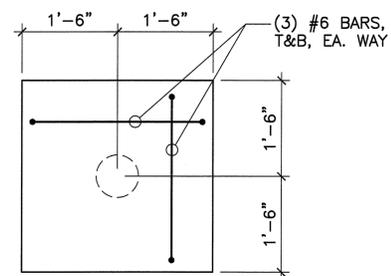
7 PC-4 PILECAP
 S6.1 SCALE: 3/4" = 1'-0"



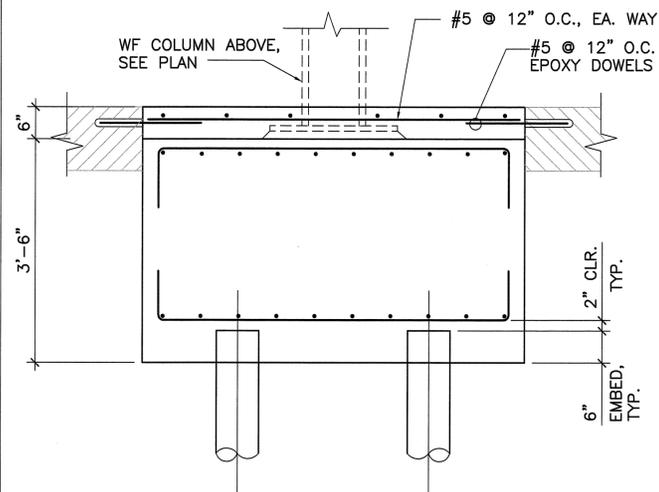
4 PC-2 SECTION
 S6.1 SCALE: 3/4" = 1'-0"



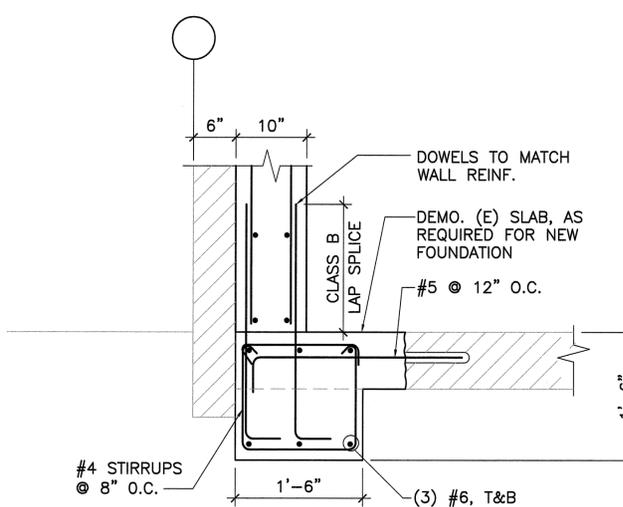
1 PC-2 PILECAP
 S6.1 SCALE: 3/4" = 1'-0"



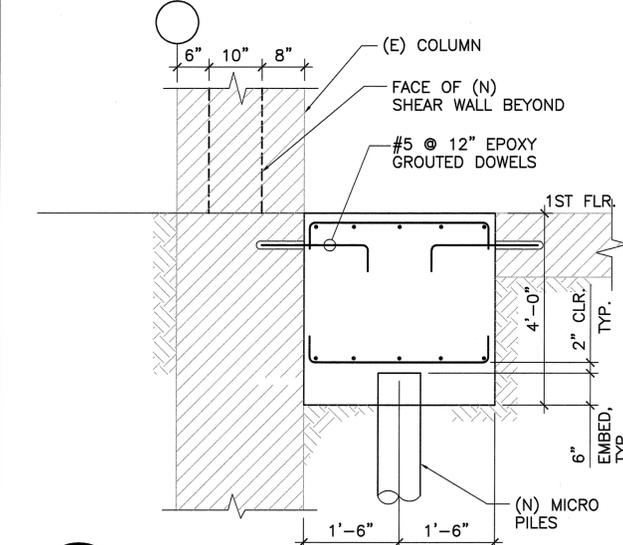
11 PC-1 PILECAP
 S6.1 SCALE: 3/4" = 1'-0"



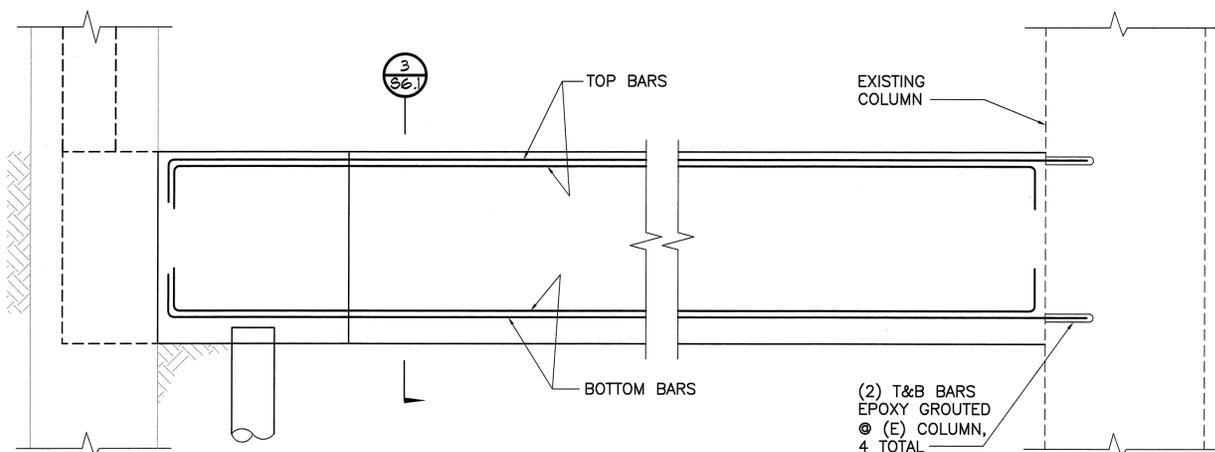
8 TYP. PILECAP SECTION
 S6.1 SCALE: 3/4" = 1'-0"



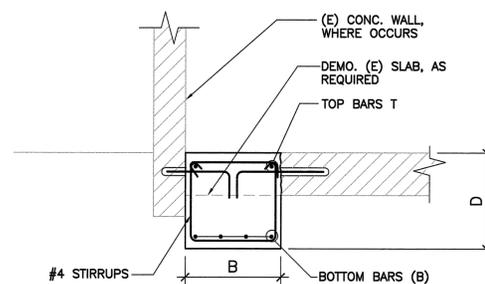
5 GBI SECTION
 S6.1 SCALE: 1" = 1'-0"



2 PC-2 SECTION
 S6.1 SCALE: 3/4" = 1'-0"

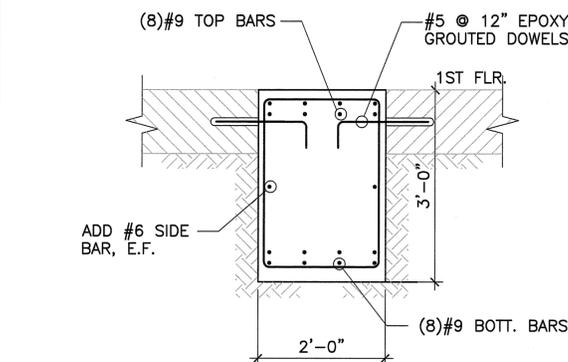


9 GB3 ELEVATION
 S6.1 SCALE: 3/4" = 1'-0"



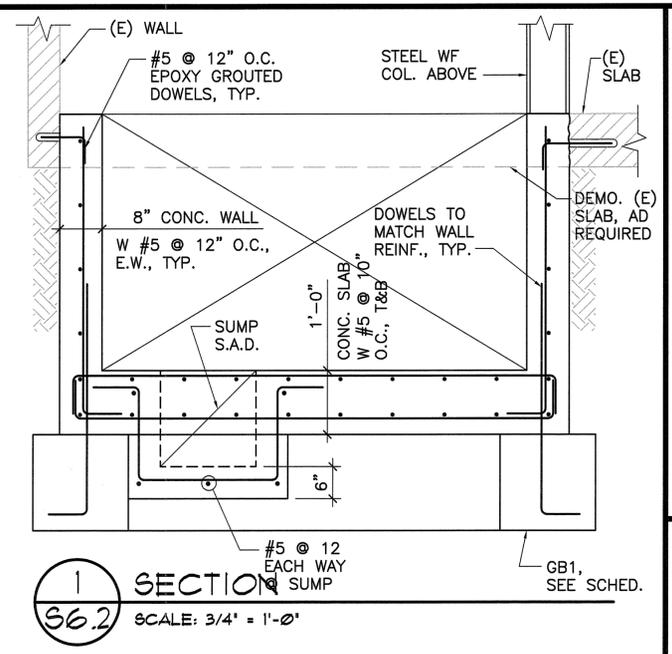
ID	B	D	TOP BARS(T)	BOTTOM BARS(B)	STIRRUP SPACING	DETAIL
GB1	18"	18"	(3) #6	(3) #6	8" O.C.	5/S6.1
GB2	24"	24"	(4) #9	(4) #9	10" O.C.	-
GB3	24"	36"	(8) #9	(8) #9	16" O.C.	3/S6.1
GB4	24"	36"	(4) #9	(4) #9	16" O.C.	-

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



3 GB3 SECTION
 S6.1 SCALE: 3/4" = 1'-0"





1 SECTION
S6.2 SCALE: 3/4" = 1'-0" GB1, SEE SCHED.

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



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
 3 ADDM. 3 03-13-06

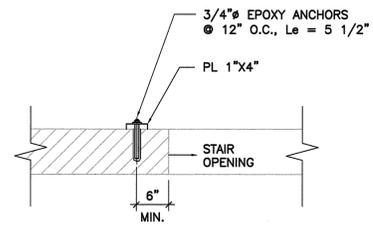
1/4-0008 COPYRIGHT 2005

DATE: 01-09-05

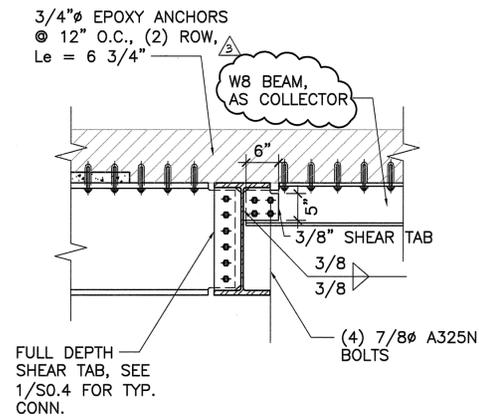
DRAWN BY: AC

JOB NO.: 0508

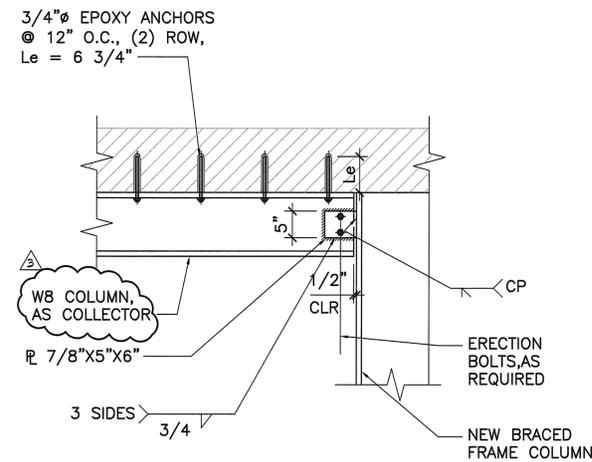
S6.2



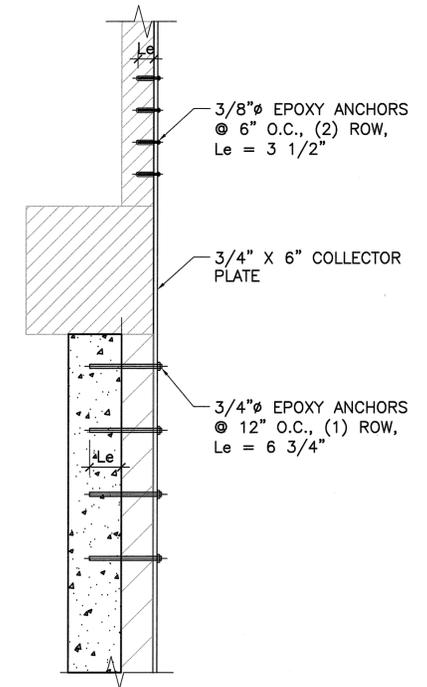
4 COLLECTOR DETAIL @ ROOF
 S7.1 SCALE: 1' = 1'-0"



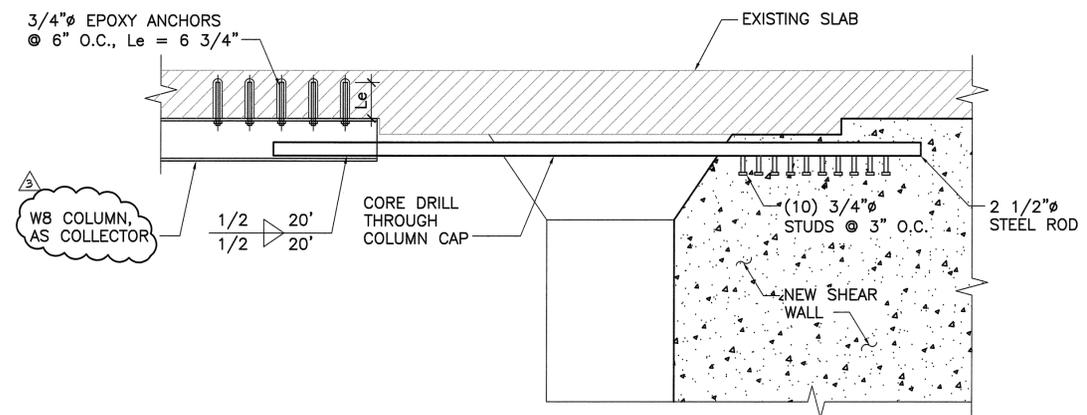
3 DETAIL
 S7.1 SCALE: 3/4' = 1'-0"



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"



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



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

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

PERMIT SET

REVISIONS
 A ADDM. 3 03-13-06

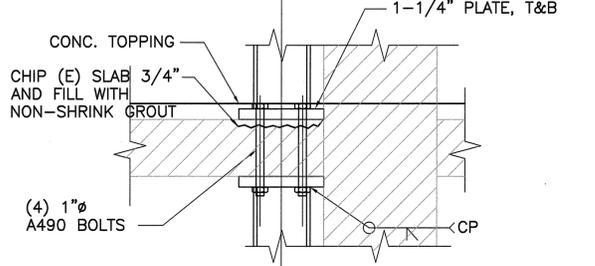
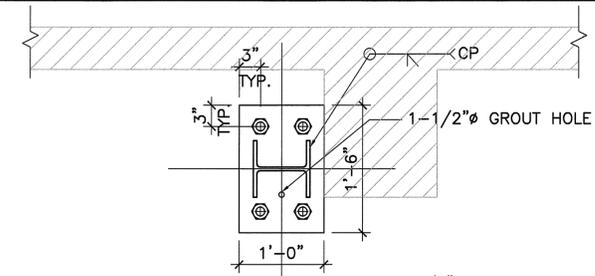
U-100000 COPYRIGHT 2005

DATE: 01-09-05

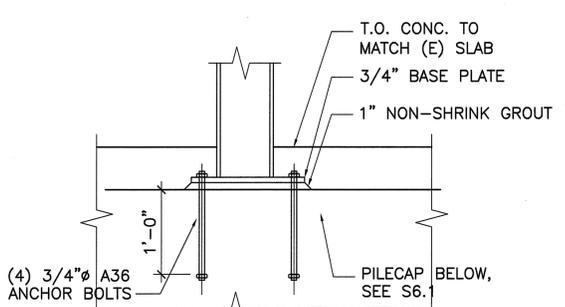
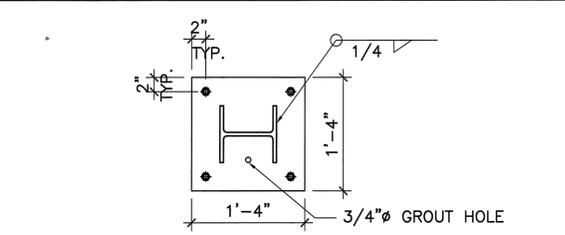
DRAWN BY: AC

JOB NO.: 0508

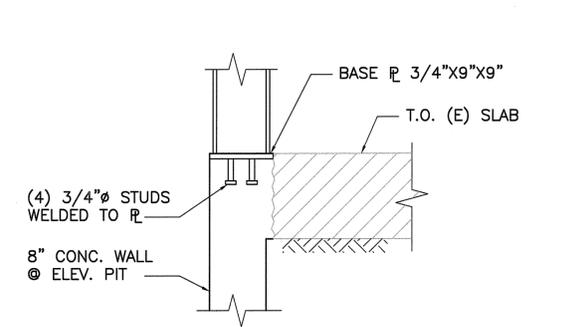
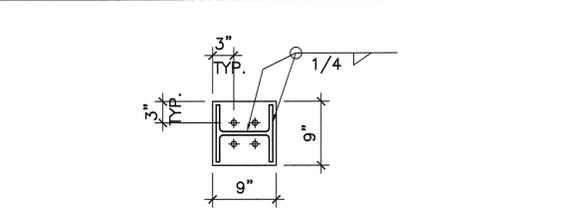
S7.1



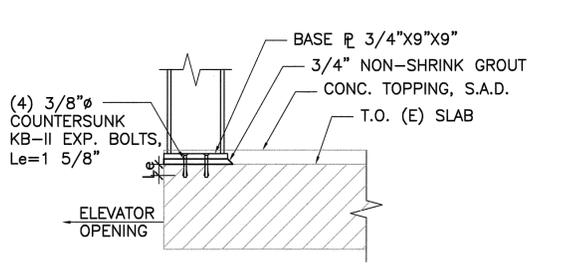
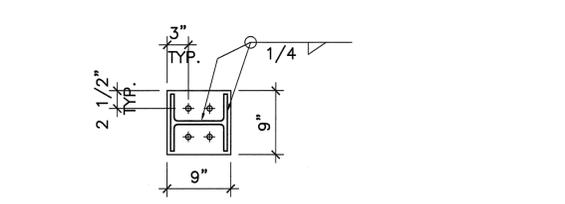
7 DETAIL
S9.1 SCALE: 1" = 1'-0"



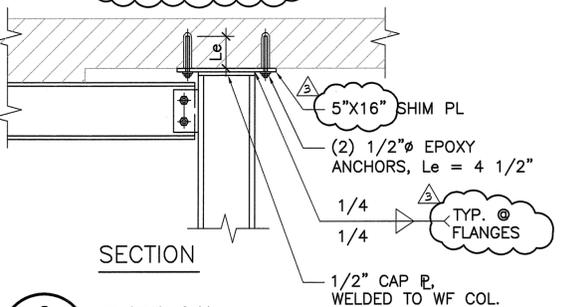
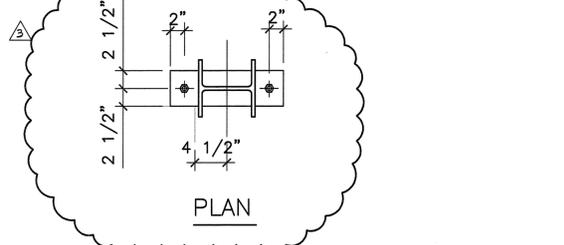
4 DETAIL
S9.1 SCALE: 1" = 1'-0"



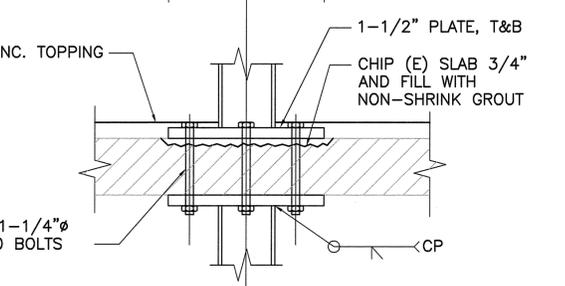
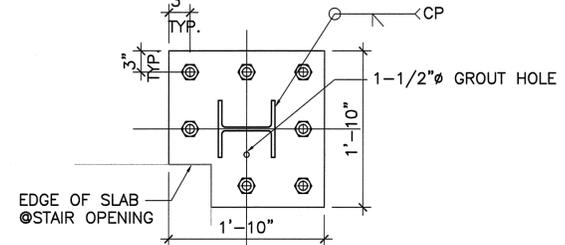
1 DETAIL
S9.1 SCALE: 1" = 1'-0"



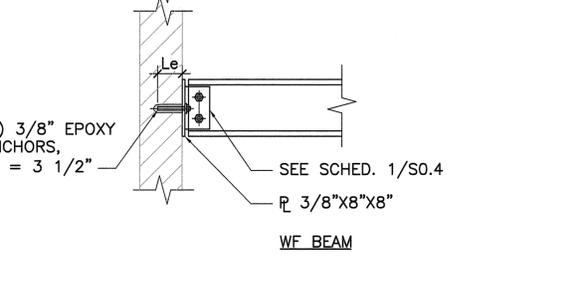
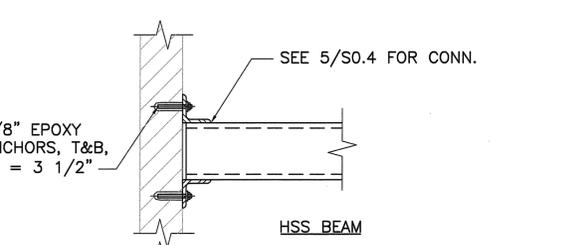
5 DETAIL
S9.1 SCALE: 1" = 1'-0"



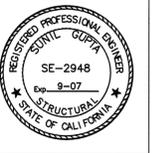
2 DETAIL
S9.1 SCALE: 1" = 1'-0"



6 DETAIL
S9.1 SCALE: 1" = 1'-0"



3 DETAIL
S9.1 SCALE: 1" = 1'-0"



2

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.

KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 SAN LEANDRO, CA 94577
 Ph: 510.446.2244 Fx: 510.446.2242
 kta@ktarch.com www.ktarch.com



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

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

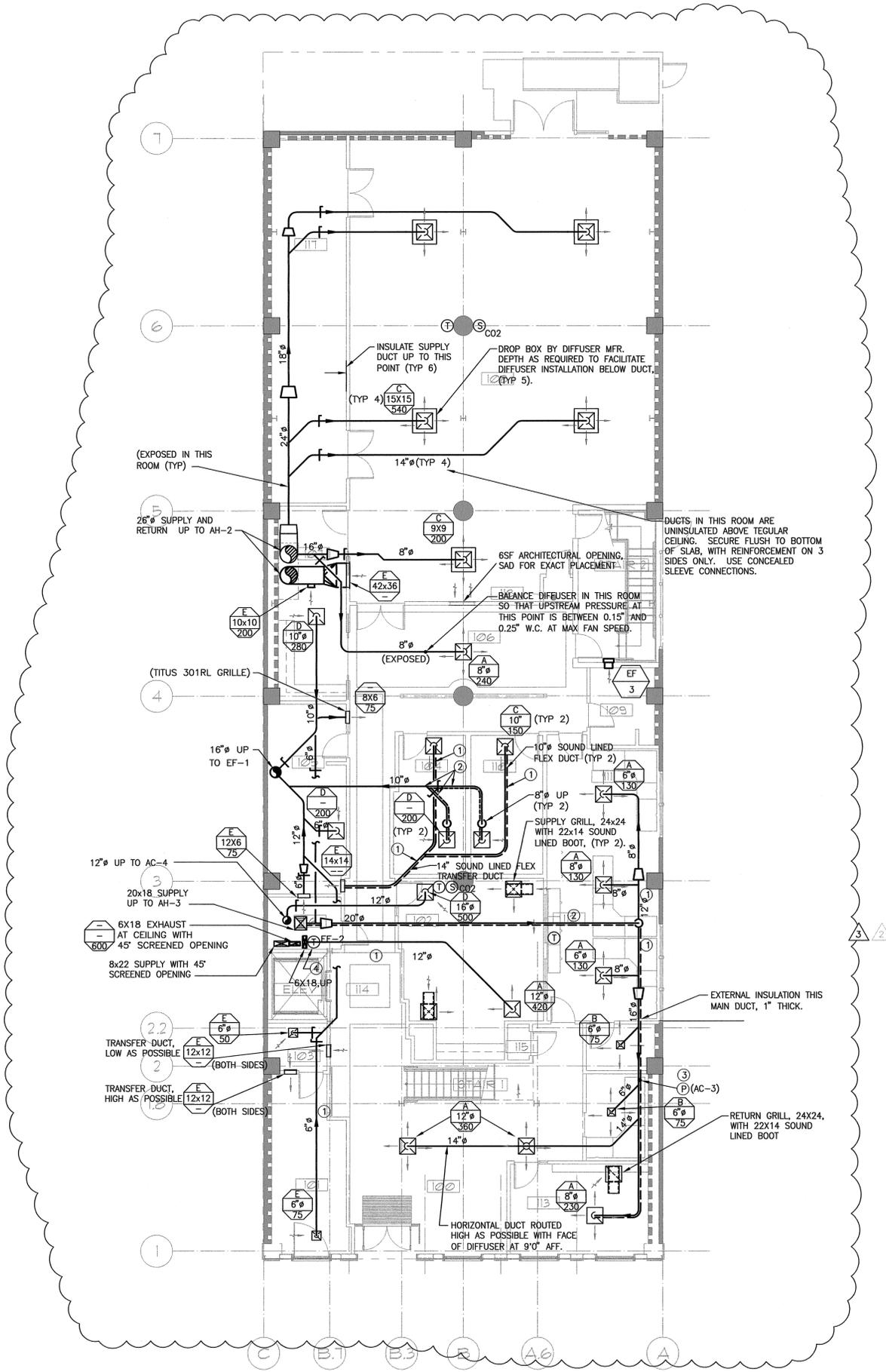
PERMIT SET
 REVISIONS
 ADDM. 3 03-13-06

© COPYRIGHT 2005



DATE: 03-09-06
 DRAWN BY: EB
 JOB NO.: 2513

M0.2



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@ktarch.com www.ktarch.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
 ADDM. 3 03-13-06

© COPYRIGHT 2005

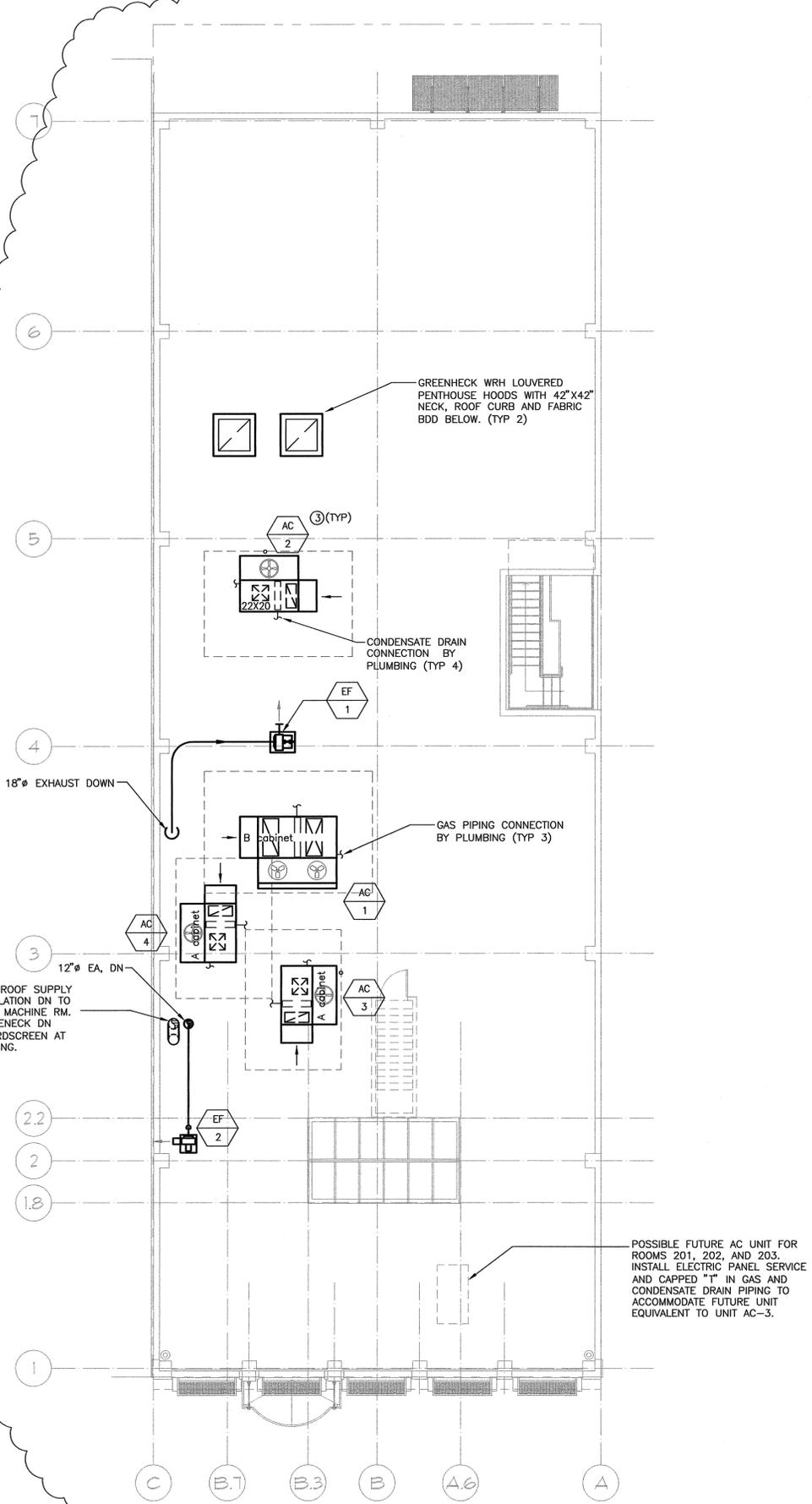


DATE: 03-09-06

DRAWN BY: EB

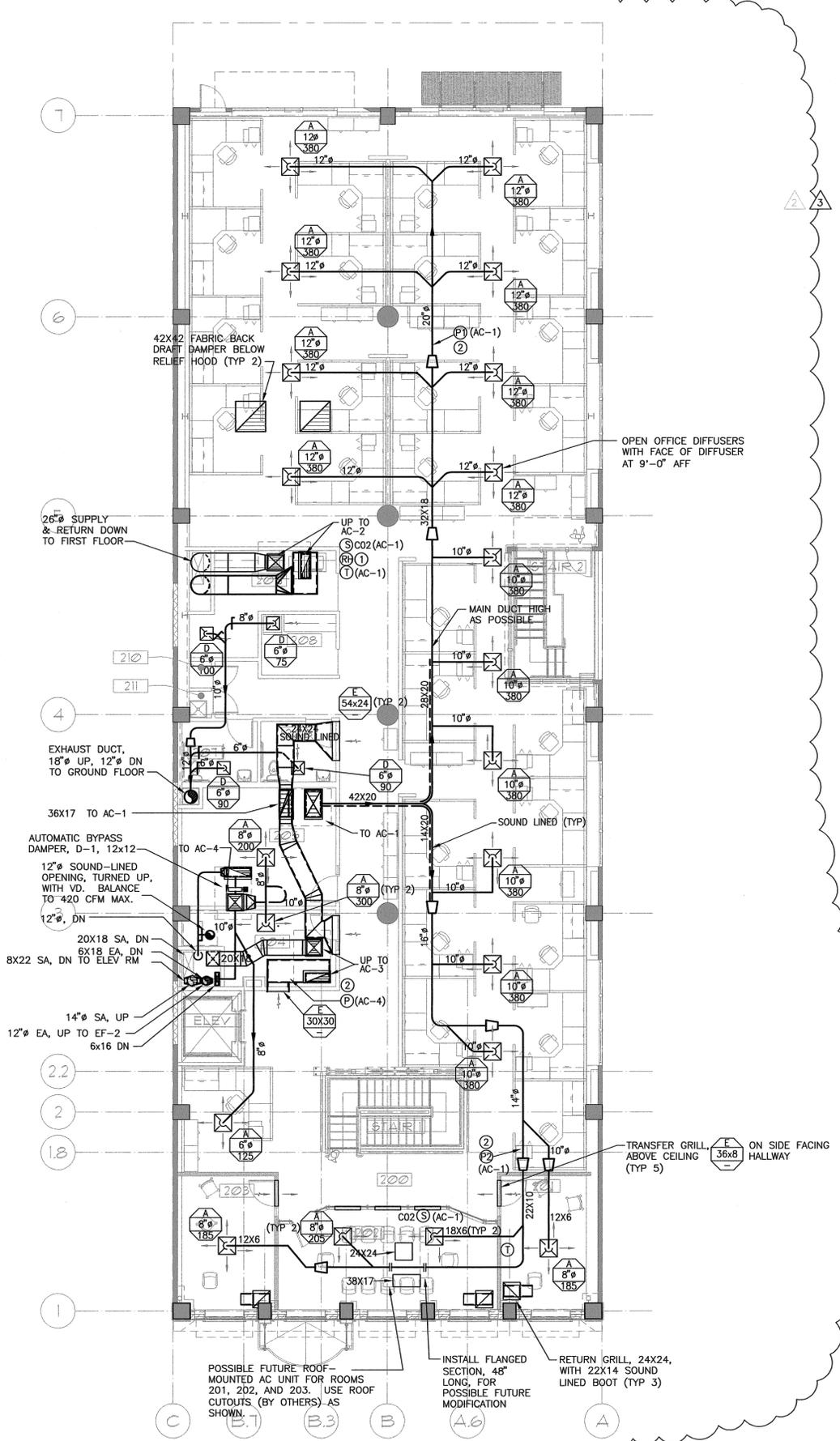
JOB NO.: 2513

M2.0



ROOF PLAN

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



2nd FLOOR LEVEL PLAN

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

SHEET NOTES:

- ① RH SENSOR FOR DISPLAY PURPOSES ONLY.
- ② PRESSURE SENSOR FOR DUCT STATIC PRESSURE CONTROL.
- ③ COORDINATE ROOF CURB HEIGHT WITH ROOF INSULATION DEPTH FOR ALL ROOFTOP AC UNITS, FANS, AND VENTILATORS. CURB HEIGHT TO BE A MINIMUM OF 8" ABOVE FINISHED LEVEL OF ROOF SURFACE. SEE ARCH. DWGS.

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
PH: 510.222.2444 FAX: 510.446.2242
info@ktaarch.com www.ktaarch.com



1537 WEBSTER ST. OAKLAND, CA
BUILDING REHABILITATION AND SEISMIC IMPROVEMENTS
FLOOR PLANS
2ND FLOOR AND ROOF

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

PERMIT SET
REVISIONS
ADDM. 3 03-13-06

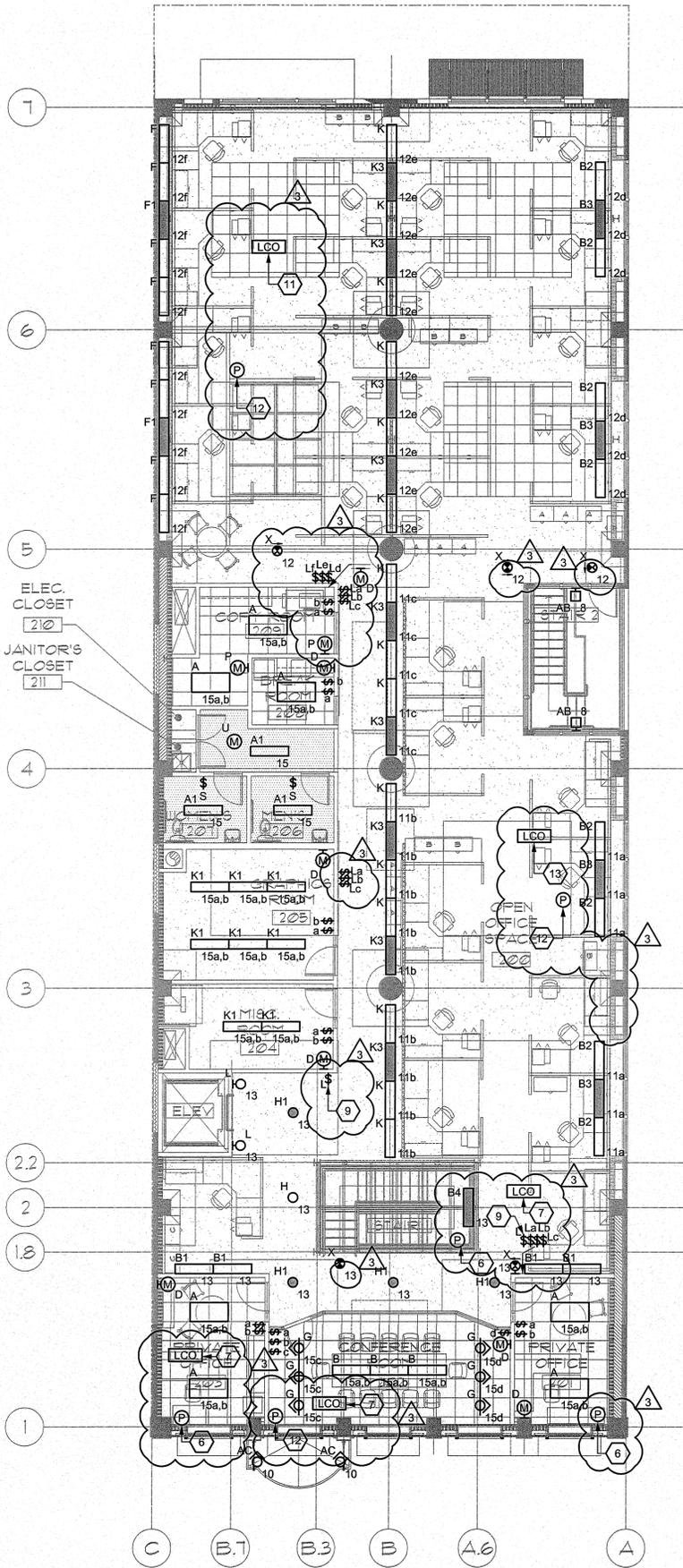
© COPYRIGHT 2005



DATE: 03-09-06
DRAWN BY: EB
JOB NO.: 2513

M2.1

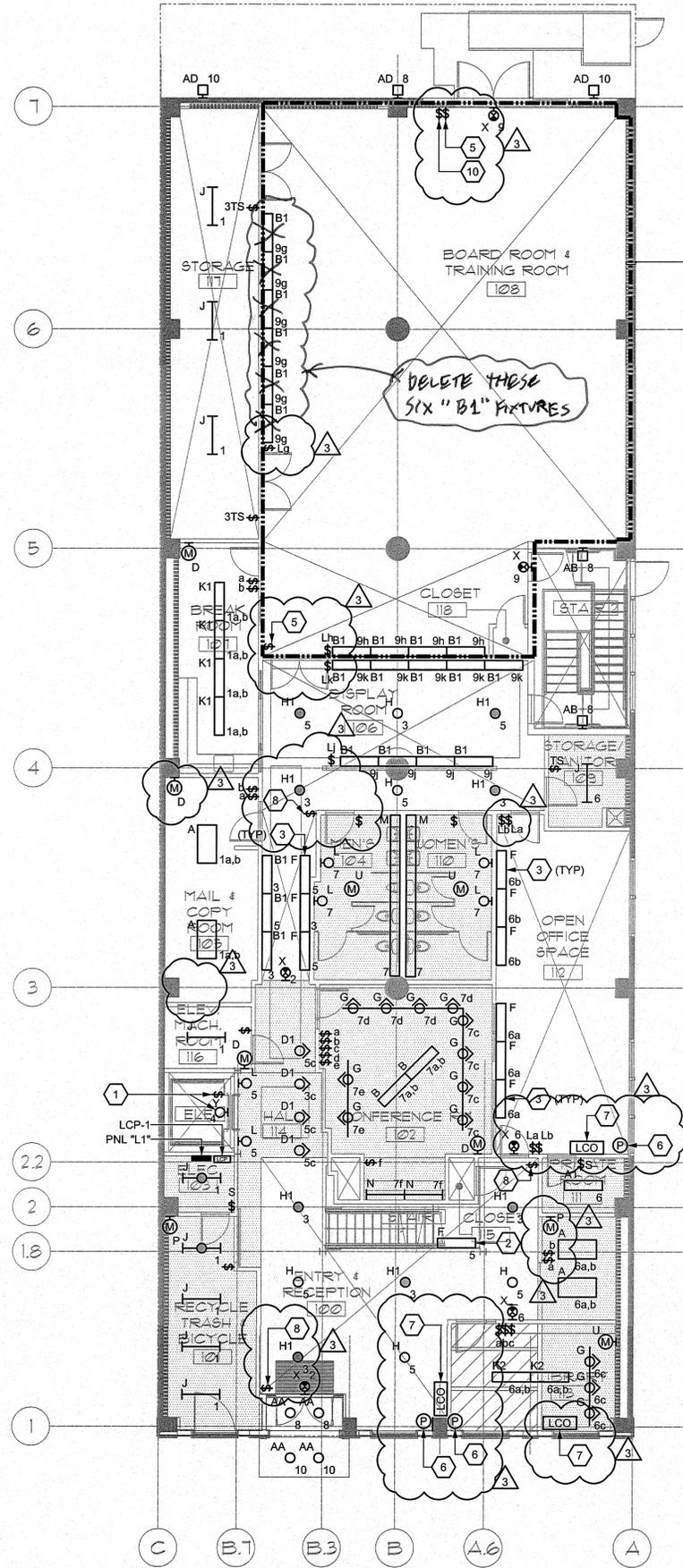
FILE LOCATION: P:\Projects\IRE ACWMA 05043\Drawings\05043E30.dwg
 LAST SAVED ON: 3/09/06 at 1:50pm, PLOTTED ON: 3/09/06 at 1:52pm



SECOND FLOOR PLAN LIGHTING

2

1/8"=1'-0"



FIRST FLOOR PLAN LIGHTING

1

1/8"=1'-0"



GENERAL NOTES

- 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.
- 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.
- RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOR AREAS CONCEALED UNLESS OTHERWISE NOTED.
- PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES. SEE DRAWINGS FOR NUMBER OF SWITCHES IN SPECIFIC LOCATIONS.
- MOUNT WALL MOUNTED MOTION DETECTOR AT 8'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.
- FIXTURES IN PUBLIC SPACES THAT ARE NOT CONTROLLED BY AN OCCUPANCY SENSOR SHALL BE CIRCUITED TO LCP-1. SEE 4/E7.3 FOR MORE INFORMATION.

SHEET NOTES

- PROVIDE LIGHT AND WEATHERPROOF SWITCH IN ELEVATOR PIT. MOUNT BELOW LOWEST LEVEL OF ELEVATOR CAR TRAVEL WITH SWITCH NEXT TO ACCESS DOOR/LADDER.
- MOUNT LIGHT FIXTURE BELOW STAIR LANDING.
- MOUNT LIGHT FIXTURE ABOVE RESTROOM, ORIENT FIXTURE TO FACE TOWARDS OUTSIDE WALL.
- SEE E3.1 FOR ADDITIONAL LIGHTING EQUIPMENT FOR THIS AREA.
- DATALINE SWITCH O1. REFER TO 1/E3.1 FOR LIGHTS CONTROLLED BY SWITCH. SEE E5.1 FOR MORE INFORMATION.
- 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.
- PROVIDE LIGHTING CONTROL MODULE CONCEALED ABOVE CEILING. SEE 3/E7.3 FOR MORE INFORMATION.
- DATALINE SWITCH O3. SEE E5.1 FOR MORE INFORMATION.
- PROVIDE LOW-VOLTAGE SWITCH FOR LOCAL OVERRIDE IN CORRIDOR CIRCUIT 13.
- DATALINE SWITCH O2. REFER TO 1/E3.1 FOR LIGHTS CONTROLLED BY SWITCH. SEE E5.1 FOR MORE INFORMATION.
- 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.
- 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.
- 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.

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

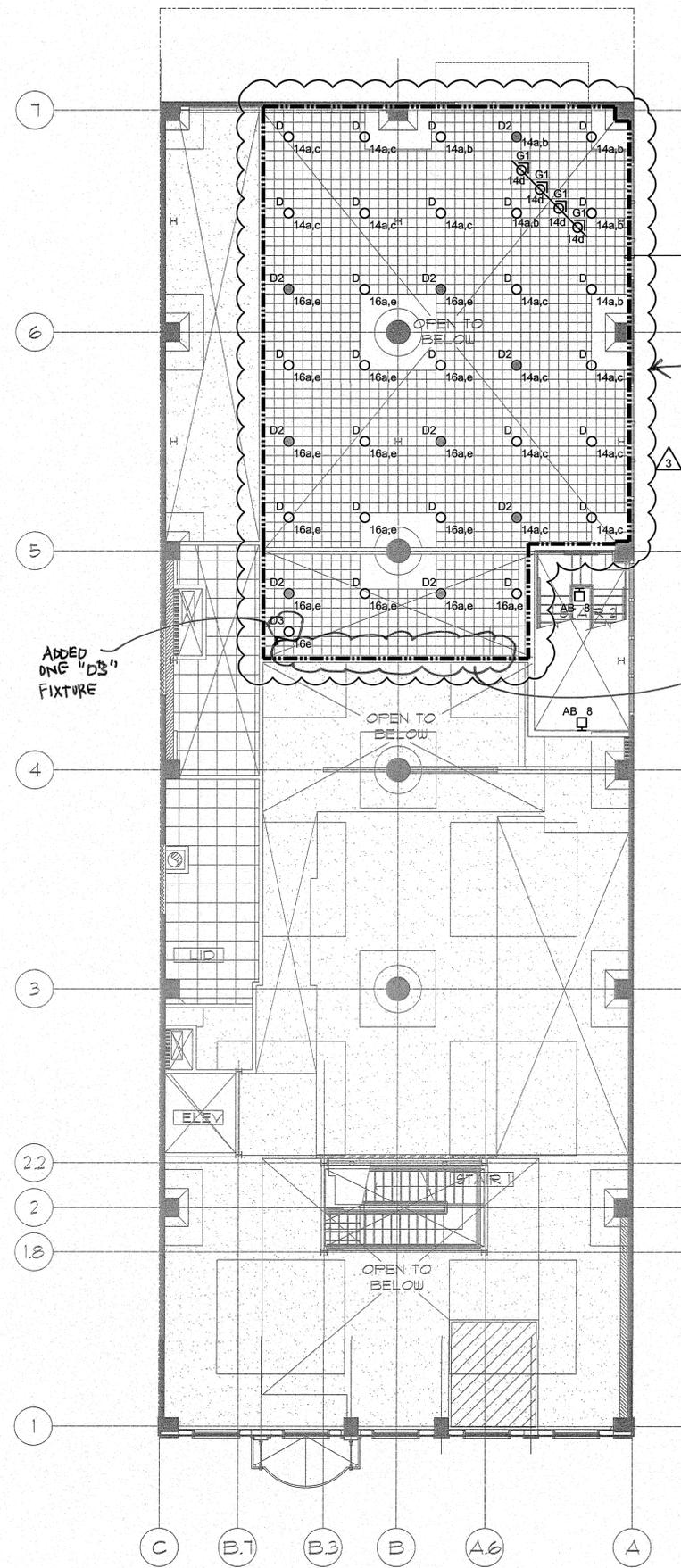
1ST AND 2ND FLOOR LIGHTING PLANS

E3.0

IDEAS INTEGRATED DESIGN ASSOCIATES INC
 design facilitates

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

FILE LOCATION: P:\Projects\IRE 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 "L1", 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.

ADDED ONE "D3" FIXTURE

DELETED A "D2" FIXTURES

KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 OAKLAND, CA 94612
 Ph: 510.446.2244 Fx: 510.446.2242
 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
 Δ ADDM. 3 03-13-06

© COPYRIGHT 2005



DATE: 12-13-05

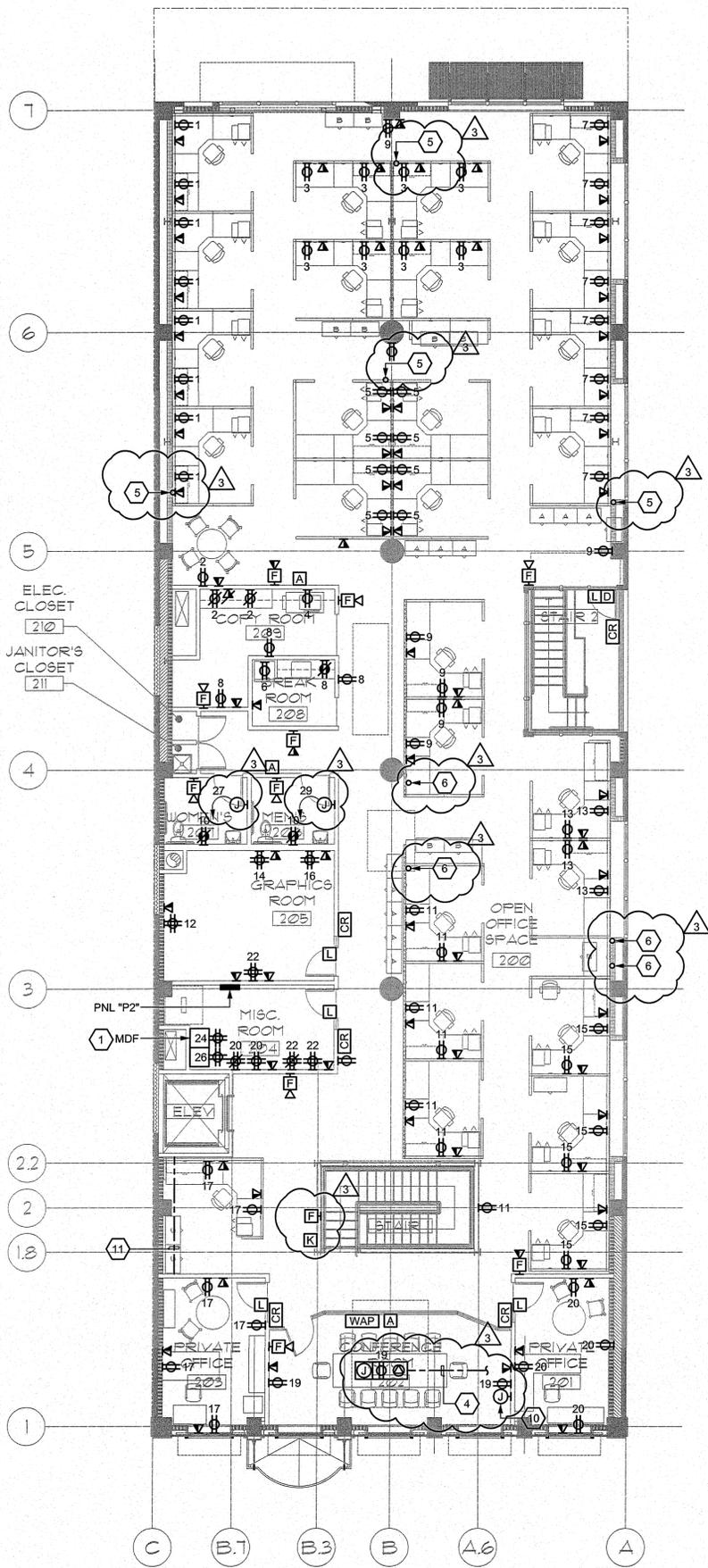
JOB NO.: 2513

MEZZANINE FLOOR LIGHTING PLAN

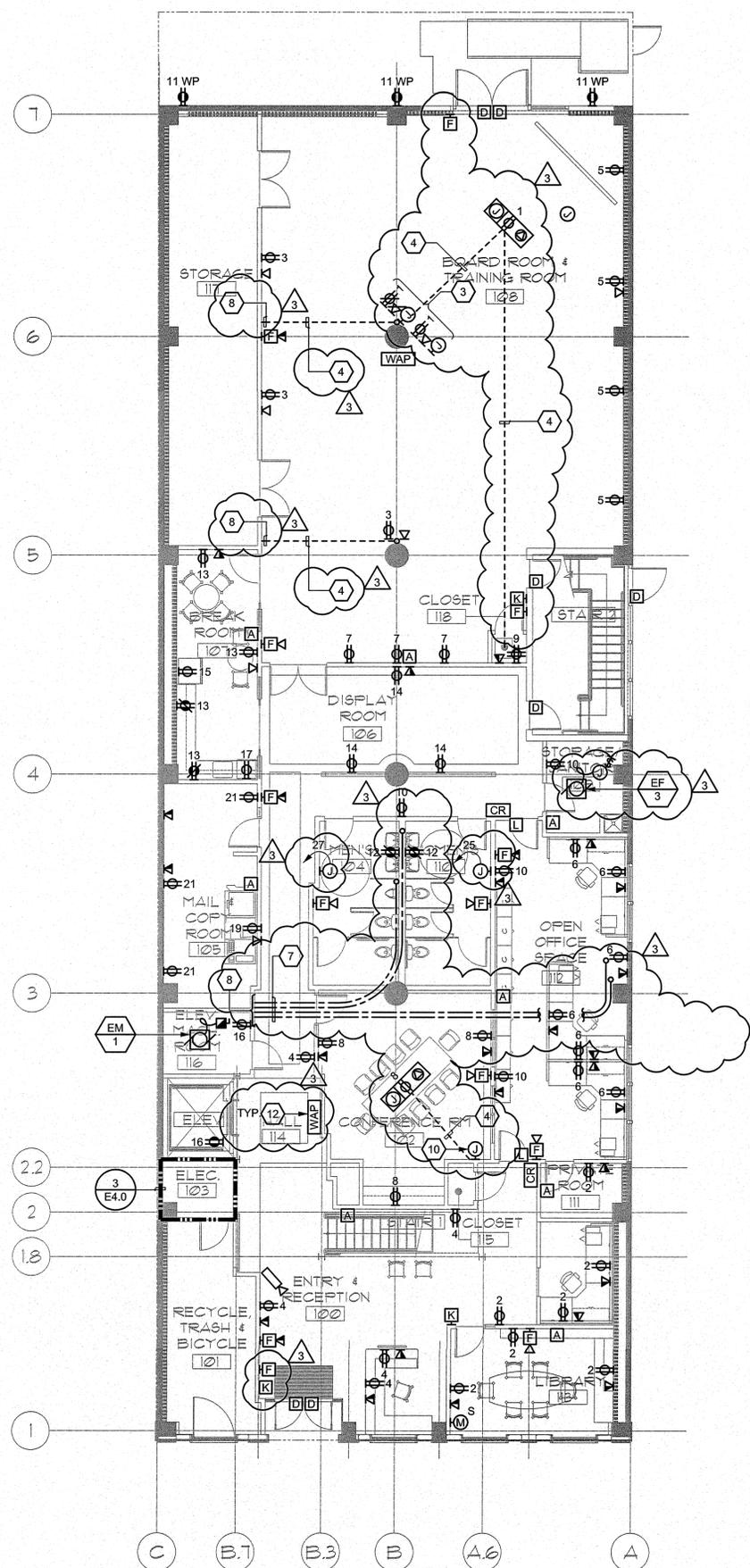
E3.1

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

FILE LOCATION: P:\Projects\RE ACWMA 05043\Drawings\05043E40.dwg
 LAST SAVED ON: 3/09/06 at 3:29pm, PLOTTED ON: 3/09/06 at 3:31pm



2
SECOND FLOOR PLAN ELECTRICAL
 1/8"=1'-0"



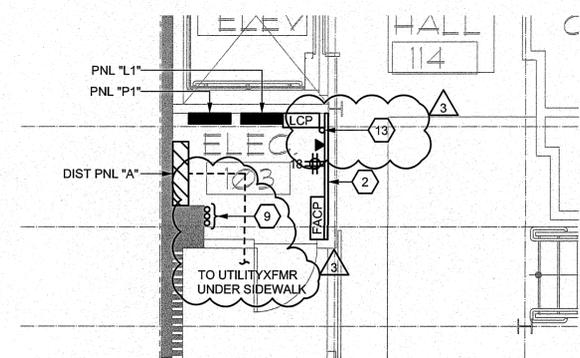
1
FIRST FLOOR PLAN ELECTRICAL
 1/8"=1'-0"

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 CHATSWORTH 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 MISC. 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 MISC 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.



1
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

KOMOROUS-TOWEY ARCHITECTS
 315 FOURTEENTH STREET
 OAKLAND, CA 94612
 Ph: 510.446.2244 FX: 510.446.2242
 ktd@ktdarch.com www.ktdarch.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

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 GEB10PS 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	PEERLITE 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 MS 28 GEB OR APPROVED EQUAL		LENGTHS AS REQUIRED FOR CONTINUOUS RUN.	
X	1x6	LED	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	1x26	CF26DT/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 26F 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 EYELID. HIGH REFLECTANCE REFLECTOR. UV STABILIZED POLYCARBONATE LENS. HIGH POWER FACTOR, (1) 2 LAMP LOW TEMPERATURE, ELECTRONIC BALLAST.	SURFACE	KENALL MR13EL PP 26Q2 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	C70S62C/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 G2BW 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, (2) 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 GEB10PS 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 ACRYLIC 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 1x13	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	DELRAY 7801 242 SS D5 OR APPROVED EQUAL			
D1	1x32	PL-T 32W/835/4P	120	8" DIAMETER, SEMI-SPECULAR CLEAR REFLECTOR, TRIPLE TUBE FLUORESCENT DOWNLIGHT/WALLWASHER. HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST. UL LISTED.	RECESSED	LITHONIA GOTHAM AFV 32TRT 6AR GEB10 OR APPROVED EQUAL			
D2	1x42 1x13	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	DELRAY 7801 242 SS D5 OR APPROVED EQUAL			
D3	1x32	PL-T 32W/835/4P	120	8" 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 COVE FIXTURE WITH ASYMETRIC UPLIGHT. HIGH POWER FACTOR, (1) 1 LAMP ELECTRONIC BALLAST. UL LISTED.	CONCEALED COVE	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 COVE	PEERLESS HCM5 1 54T5HO GEB10 SCT OR APPROVED EQUAL			
G	1x35	35MRC16/I/RC/NFL24	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 2/42TRT 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 EMB	INTERLOCK WITH	MOTOR STARTERS			PANEL AND CIRCUIT NO	CONDUIT (IN)	POWER WIRING	REMARKS
		MCA	MOCF							TYPE	STARTER NEMA SIZE	AUXILIARY DEVICES IN STARTERS				
AH-1	ROOF	21.0	21				208/3		DUCT DETECTOR					3/4	(3) #10+ (1) #10G	AIR HANDLER
AH-2	ROOF	34.0	50				208/3		DUCT DETECTOR					3/4	(3) #6+ (1) #10G	AIR HANDLER
AH-3	ROOF	23.0	35				208/3							1	(3) #8+ (1) #10G	AIR HANDLER
AH-4	ROOF	21.0	30				208/1							3/4	(3) #10+ (1) #10G	AIR HANDLER
EF-1	ROOF				1/2		120/1							3/4	(2) #12+ (1) #12G	EXHAUST FAN. CONNECT FAN TO LCP.
EF-2	ROOF				1/16		120/1							3/4	(2) #12+ (1) #12G	EXHAUST FAN
EF-3	ROOM 109				1/20		208/3		LIGHTS					3/4	(2) #12+ (1) #12G	EXHAUST FAN. CONNECT FAN TO LCP.
EM-1	ELEVATOR ROOM				30		208/3							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 | 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 | OL | OVERLOAD RELAY |
| CMCP | COMBINATION MOTOR STARTER WITH MOTOR CIRCUIT PROTECTOR | E | FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR | MCA | MINIMUM CIRCUIT AMPS | PL | LED PILOT LIGHT RED ON, GREEN OFF | PS | START/STOP PUSH BUTTON |
| CMFS | COMBINATION MOTOR STARTER WITH FUSED SWITCH | EMS | ENERGY MANAGEMENT SYSTEM | MOCF | MAXIMUM OVER CURRENT PROTECTION | SD | SMOKE DETECTOR | TS | TIME SWITCH |
| | | 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.

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fax: 510.446.2242
k@karchitect.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

SCHEDULES

E5.0

IdoAs
DESIGN FACILITIES
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

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

PANELBOARD "P2"													
VOLTAGE: 208/120		PHASE: 3		WIRE: 4		MLO :MAIN C/B		100A :BUSSING		SURFACE :MOUNTING			
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	
PLUGGS-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		PHASE: 3		WIRE: 4		MLO :MAIN C/B		100A :BUSSING		SURFACE :MOUNTING			
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		0.6		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	0.6			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	L1-9j	DISPLAY LIGHTING	X								
-04	L1-9k	DISPLAY LIGHTING	X								
-05	L1-9h	DISPLAY LIGHTING	X								
-06	L1-9g	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	L1-12d	SECOND FLOOR OPEN OFFICE LTG	X								
-11	L1-12e	SECOND FLOOR OPEN OFFICE LTG	X								
-12	L1-12f	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	L1-16c	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	<input type="checkbox"/> SCHEDULED ON/OFF	San Jose, CA M-F 7:00a.m. - 9:00p.m. Blink warn 120 min override
		<input checked="" type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
B	Security	<input type="checkbox"/> SCHEDULED ON/OFF	San Jose, CA M-F 7:00a.m. - 11:00p.m. Blink warn 120 min override
		<input checked="" type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
C	Night Lighting	<input type="checkbox"/> SCHEDULED ON/OFF	San Jose, CA 60 min before sunset 60 min after sunrise
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input checked="" type="checkbox"/> ASTRO (DARK) ON/OFF	
D		<input type="checkbox"/> SCHEDULED ON/OFF	
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
E		<input type="checkbox"/> SCHEDULED ON/OFF	
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
F		<input type="checkbox"/> SCHEDULED ON/OFF	
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
G		<input type="checkbox"/> SCHEDULED ON/OFF	
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	
H		<input type="checkbox"/> SCHEDULED ON/OFF	
		<input type="checkbox"/> MANUAL ON/SCHEDULED OFF	
		<input type="checkbox"/> MANUAL ON/SWEEP AUTO SW	
		<input type="checkbox"/> ASTRO (DARK) ON/OFF	

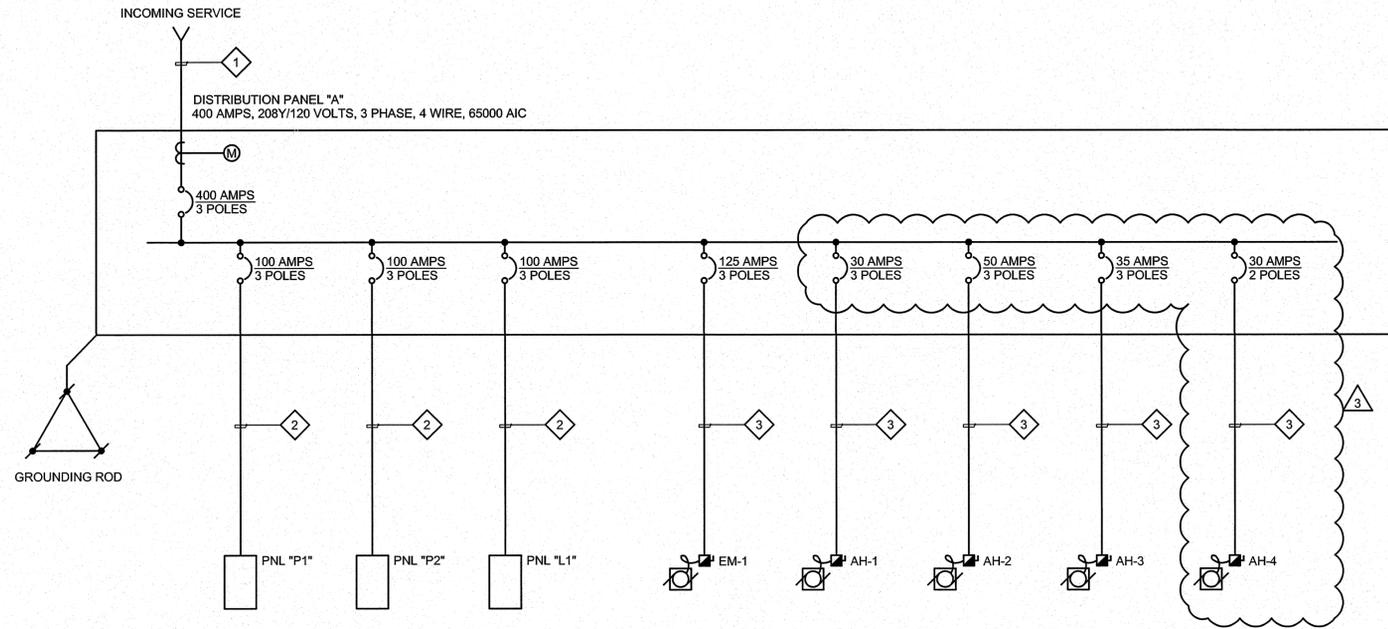
Scenario	Data Required
Scheduled ON/OFF:	• ON/OFF times for each day of the week and holidays • Blink warn (YES/NO) • Timed override duration (1-240)
Manual ON/Scheduled OFF	• Same as above except ON/OFF replaced with Open 00:00 thru 00:00
Manual ON/Sweep Auto SW	• Occupied/unoccupied times for each day of week & holidays • Timed override duration (1-240)
Astro (Dark) ON/OFF	• If Astro - location of building (state/province/city) & minutes before/after sunset until dark • If photocell (dark) - footcandle level that equals dark • (Typical footcandle settings: security & parking = 2 to 20fc; signage - 20 to 200 fc)
Astro (Dark) ON/Sched OFF	• Same as Astro (dark) ON/OFF plus: • Occupancy time for each day of the week and holidays

PANELBOARD "L1"													
VOLTAGE: 208/120		PHASE: 3		WIRE: 4		MLO :MAIN C/B		100A :BUSSING		SURFACE :MOUNTING			
LOAD	A	B	C	BKR	ckt	abc	ckt	BKR	A	B	C	LOAD	
FIRST FLOOR UTILITY SPACES LTG	0.6			20A-1P	1		2	20A-1P	1.0			EXIT SIGNS	
FIRST FLOOR CORRIDOR LTG		0.5		20A-1P	3		4	20A-1P		0.1		ELEV LIGHT	
FIRST FLOOR CORRIDOR LTG			0.5	20A-1P	5		6	20A-1P			0.7	FIRST FLOOR OFFICES LTG	
FIRST FLOOR CENTRAL LTS	1.6			20A-1P	7		8	20A-1P	0.3			EXTERIOR LTG	
DISPLAY LTG		0.5		20A-1P	9		10	20A-1P		0.6		EXTERIOR LTG	
OPEN OFFICE 200 LTG			1.1	20A-1P	11		12	20A-1P			1.4	SECOND FLOOR OPEN OFFICE LTG	
SECOND FLOOR CORRIDOR LTG	0.4			20A-1P	13		14	20A-1P	1.5			BOARD ROOM LTG	
SECOND FLOOR PRIVATE OFC LTG		1.3		20A-1P	15		16	20A-1P		1.0		BOARD ROOM LTG	
SPACE			0.0	20A-1P	17		18	20A-1P			1.0	LCP-1	
SPACE	0.0			20A-1P	19		20	20A-1P	1.0			DAYLIGHT CONTROL MODULE	
SPACE		0.0		20A-1P	21		22	20A-1P		0.0		SPACE	
SPACE			0.0	20A-1P	23		24	20A-1P			0.0	SPACE	
SPACE	0.0			20A-1P	25		26	20A-1P	0.0			SPACE	
SPACE		0.0		20A-1P	27		28	20A-1P		0.0		SPACE	
SPACE			0.0	20A-1P	29		30	20A-1P			0.0	SPACE	
	2.6	2.3	1.6						3.8	1.7	3.1		

KVA PHASE A: 6.4
KVA PHASE B: 4.0
KVA PHASE C: 4.7
TOTAL KVA: 15.1

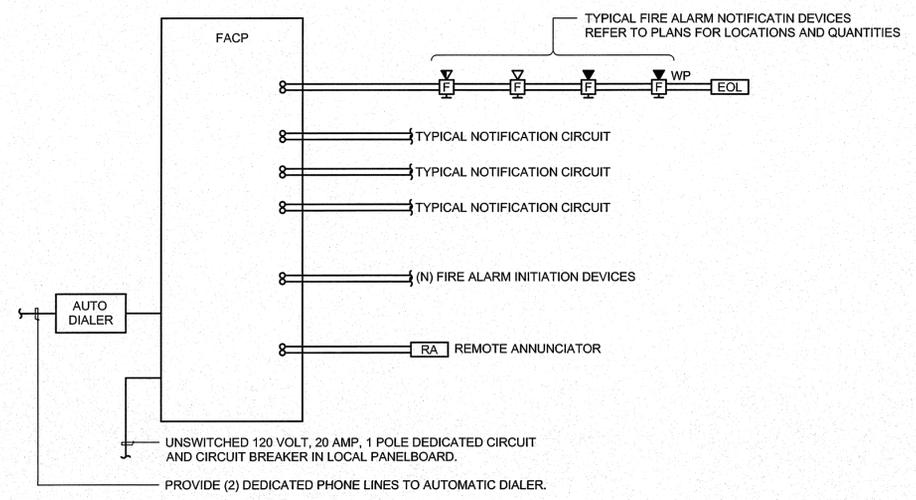
1.00 :DEMAND FACTOR
15.1:DEMAND KVA
42.0:TOTAL LOAD AMPERES

SMARTWIRED SWITCHING SYSTEM				
DATALINE SWITCH				
PANEL LCP-1				
Note: Use this form for Dataline Switches and/or Universal Switch Modules connected to the local Dataline of the panel number indicated above.				
SWITCH DESIGNATION	BUTTON# (8 MAX)	RELAYS2 CONTROLLED PANEL # - RELAYS3	DESCRIPTION	SPECIAL FUNCTION
01	4	18, 22	Uplight	
		19	Downlight-Presentation	
		20	Downlight-Perimeter	
		23	Downlight-Main	
		18, 19, 20, 22, 23	Master	
02	1	21	Track Lights	
03	1	01	Corridor-50%	
		02	Corridor-50%	



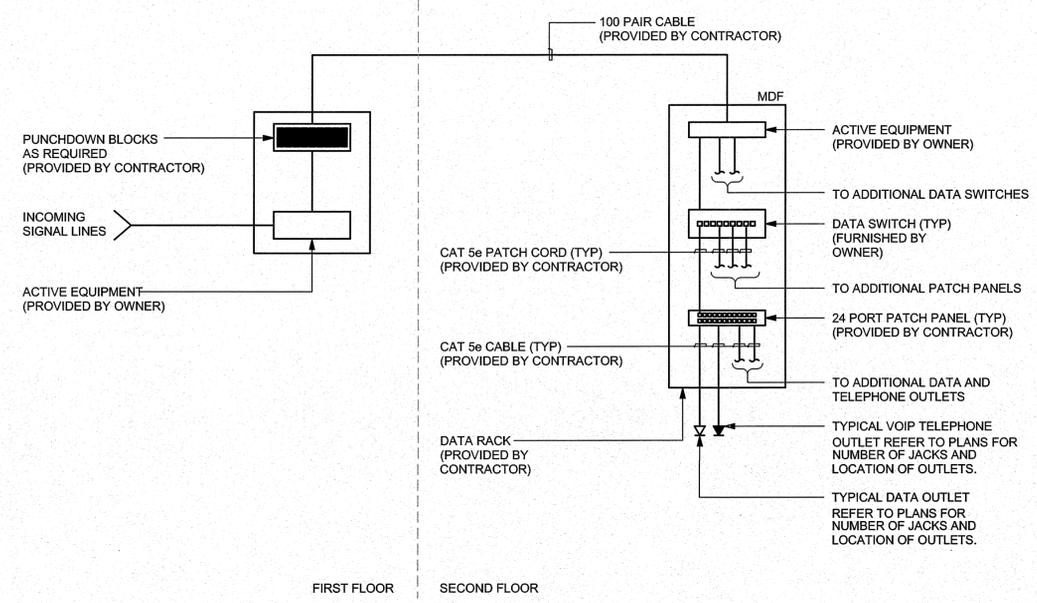
1 SINGLE LINE DIAGRAM
NOT TO SCALE

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	REFER TO EQUIPMENT SCHEDULE FOR FEEDER SIZE.
3	--	--	--	--	REFER TO EQUIPMENT SCHEDULE FOR FEEDER SIZE.



- DETAIL NOTES**
- 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\RE 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) 562-3560, fax: (408) 562-3561

KOMOROUS-TOWEY ARCHITECTS
315 FOURTEENTH STREET
OAKLAND, CA 94612
Ph: 510.446.2244 Fx: 510.446.2242
kt@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



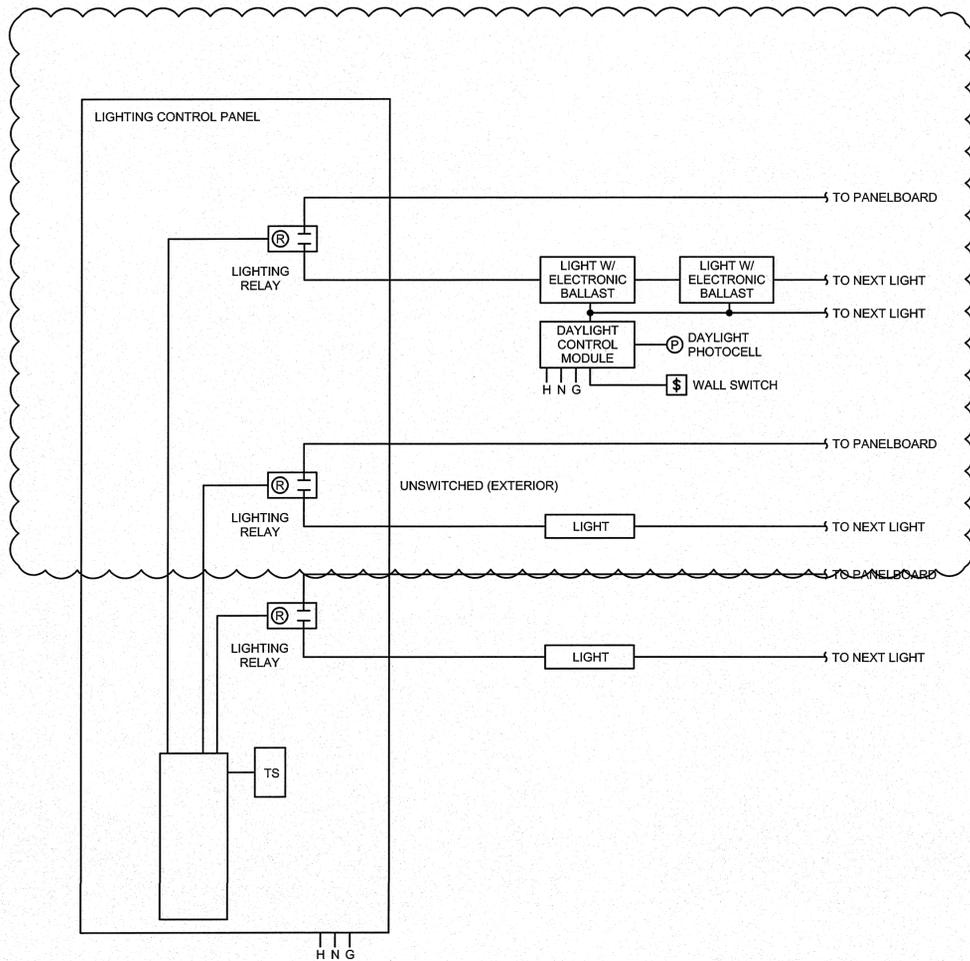
DATE: 12-13-05

JOB NO.: 2513

DIAGRAMS

E6.0

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

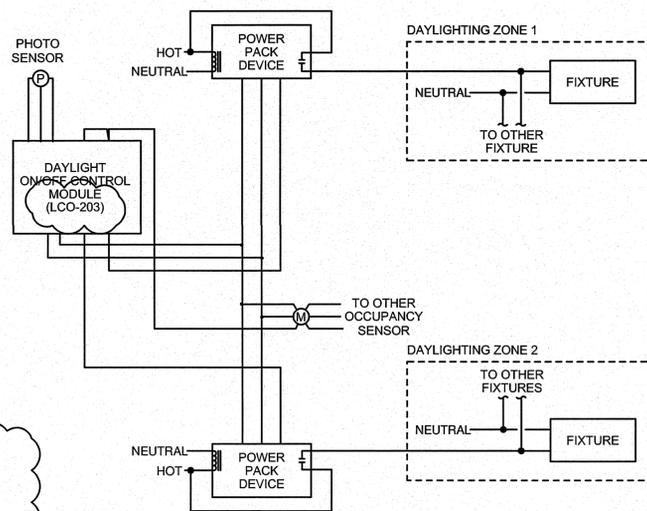


NOTE:

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.

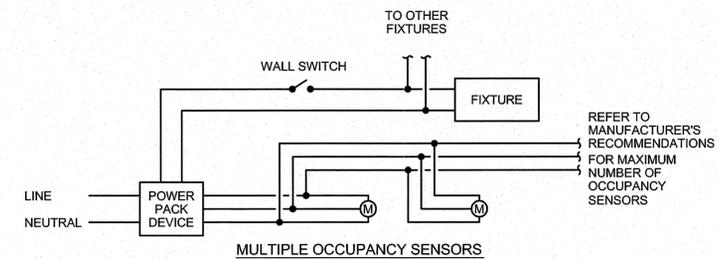
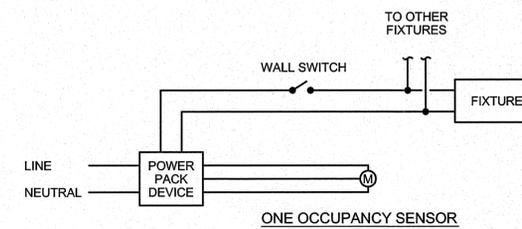
4 LIGHTING CONTROL - DIAGRAM

NOT TO SCALE



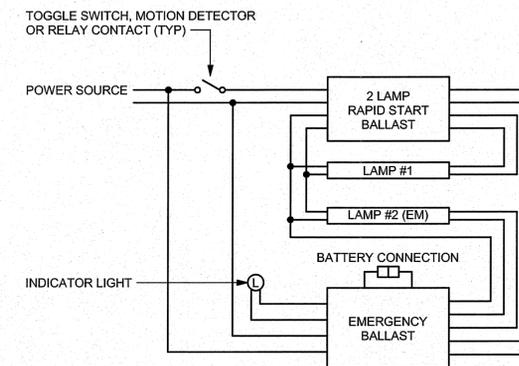
3 DAYLIGHT CONTROL ON/OFF MODULE WITH OCCUPANCY SENSOR WIRING

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



PERMIT SET

REVISIONS
 ADDM. 3 03-13-06

© COPYRIGHT 2005

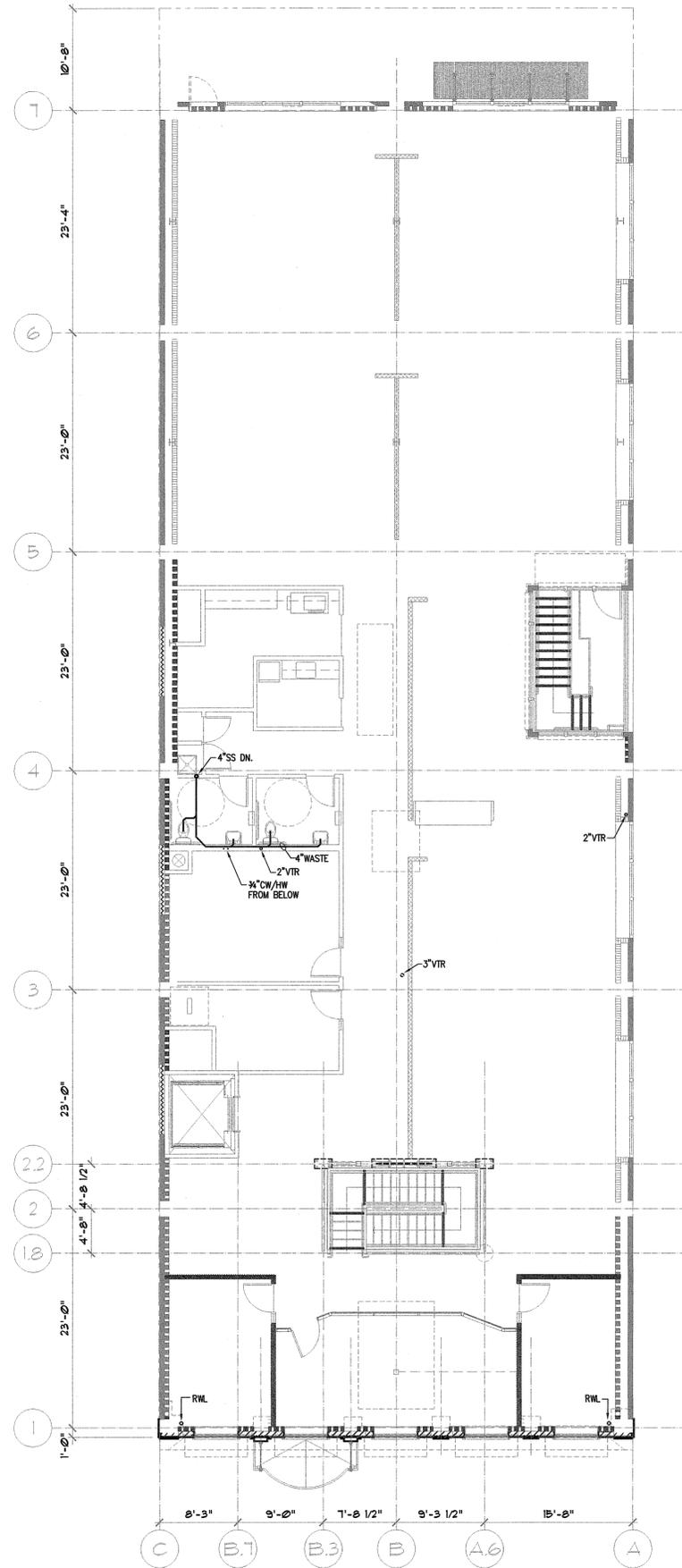


DATE: 12-13-05

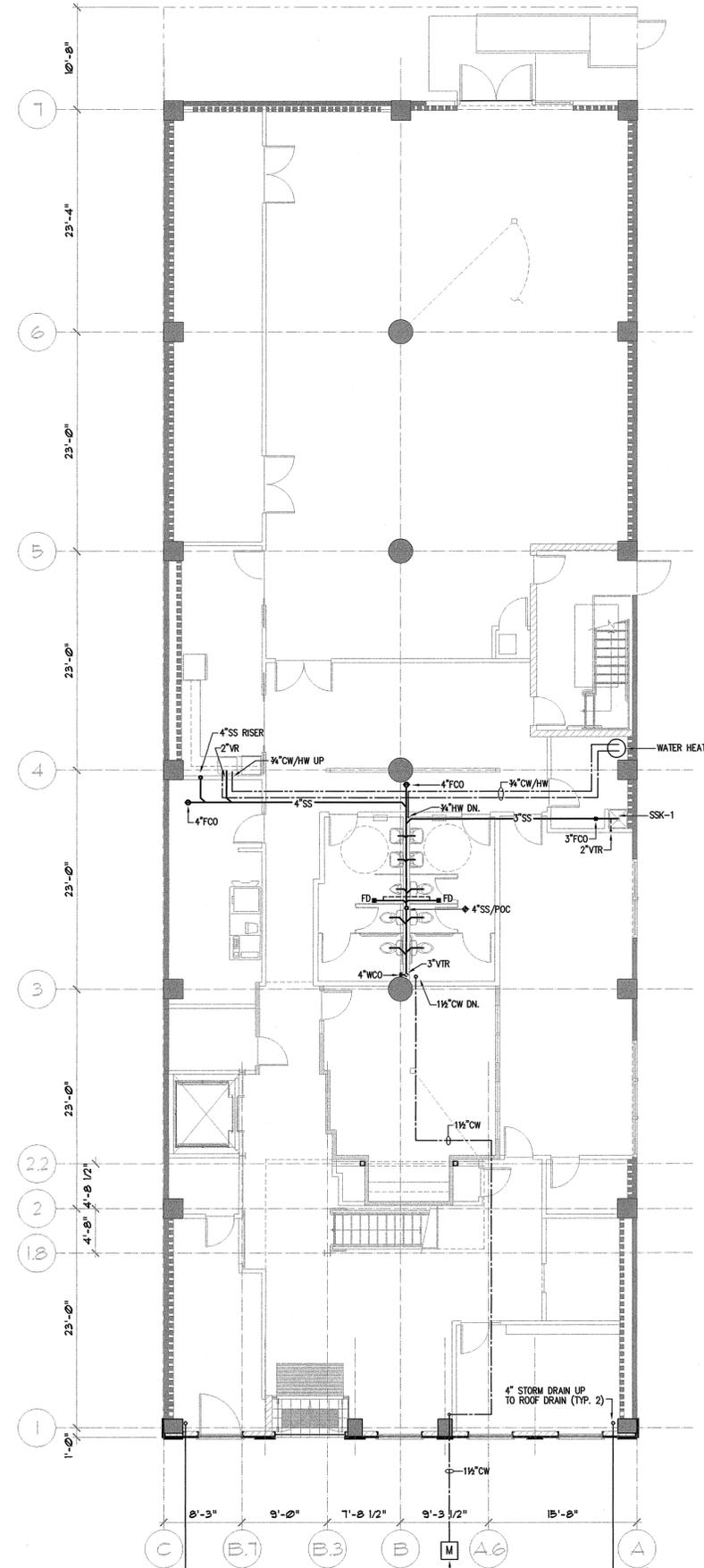
JOB NO.: 2513

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				
	W	V	CW	HW
WC	4"	2"	1/2"	
LAV	2"	1-1/2"	1/2"	1/2"
UR	2"	2"	3/4"	
SSK	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"			
WC				

WATER SIZING		
WC	7 C	5 FU = 35 FU
LAV	6 C	2 FU = 12 FU
UR	1 C	10 FU = 10 FU
SSK	2 C	2 FU = 4 FU
SSK	2 C	4 FU = 4 FU
TOTAL		69 FU
46 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