

# MTA SYLMAR/SAN FERNANDO CHILD CARE FACILITY

2100 FIRST STREET, SAN FERNANDO, CALIFORNIA

MTA CONTRACT NO: LFA - 439 - 95

MUTLOW JUBANY ARCHITECTURE  
ARCHITECTURE URBAN PLANNING INTERIOR DESIGN  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CALIFORNIA 90027  
TEL: 213 664 4373  
FAX: 213 664 4376

## CLIENT

M.T.A.  
818 WEST SEVENTH STREET  
LOS ANGELES, CA 90017  
(213) 623 - 1194

## PROJECT ARCHITECT

MUTLOW • JUBANY ARCHITECTURE  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CA 90027  
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## STRUCTURAL ENGINEER

DIMITRY VERGUN  
1546 SEVENTH STREET  
SANTA MONICA, CA 90401  
(310) 458 - 9919

## MECHANICAL ENGINEER

ROUHY DEHBIBI AND ASSOCIATES  
4741 LAUREL CANYON BLVD., SUITE 202  
NORTH HOLLYWOOD, CA 91607  
(818) 980 - 0837

## ELECTRICAL ENGINEER

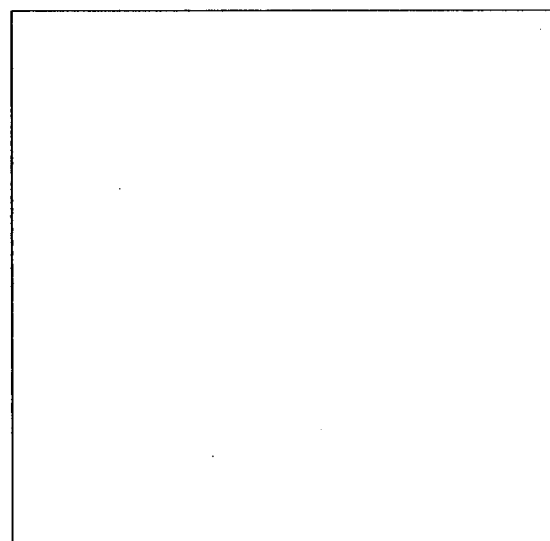
PALMIERI • VORGAS  
1810 SOUTH FAIR OAKS AVENUE  
SOUTH PASADENA, CA 91030  
(818) 441 - 1752

## LANDSCAPE ARCHITECT

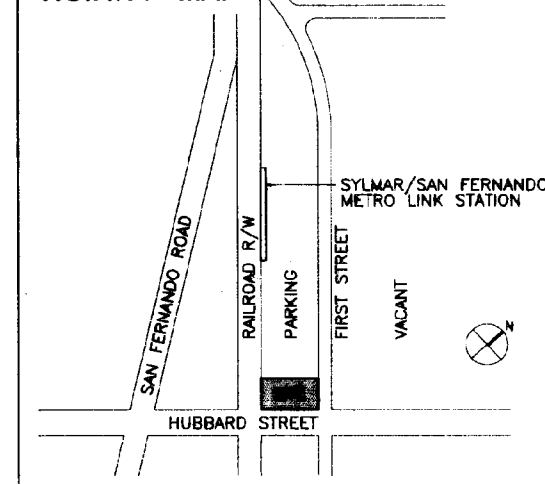
LANDVISTA  
16 CARINA, SUITE A  
IRVINE, CA 92715-5711  
(714) 854 - 1544

## GRADING

MUTLOW • JUBANY ARCHITECTURE  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CA 90027  
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## VICINITY MAP



## BUILDING SUMMARY

CHILD CARE FACILITY	5,369
EXTERIOR STORAGE	470
BUS OPERATORS FACILITY	216
REFUSE ROOM	117
TOTAL SQ.FT. GROSS	6,172
CIRCULATION (COVERED EXTERIOR) (509 + 779) X 50%	644
BUILDING OCCUPANCY CHILDREN	74 MAX.

## REFERENCE DRAWINGS

- R1. TOPOGRAPHICAL SURVEY
- MTA CONTRACT NO. C-7270
- R2. DRAWING NO. C-5, SHEET NO. 8
- R3. DRAWING NO. C-6, SHEET NO. 9
- R4. DRAWING NO. C-7, SHEET NO. 10
- R5. DRAWING NO. C-12, SHEET NO. 15
- R6. DRAWING NO. C-13, SHEET NO. 16
- R7. DRAWING NO. E-3, SHEET NO. 31
- R8. DRAWING NO. E-6, SHEET NO. 34
- R9. DRAWING NO. L-3, SHEET NO. 42
- R10. INDEX NO. P-34612, SHEET NO. 56

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MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY



REV. DATE BY APP.

SCALE DATE

TITLE SHEET

AO

*W. Fu Set 4/13/95*

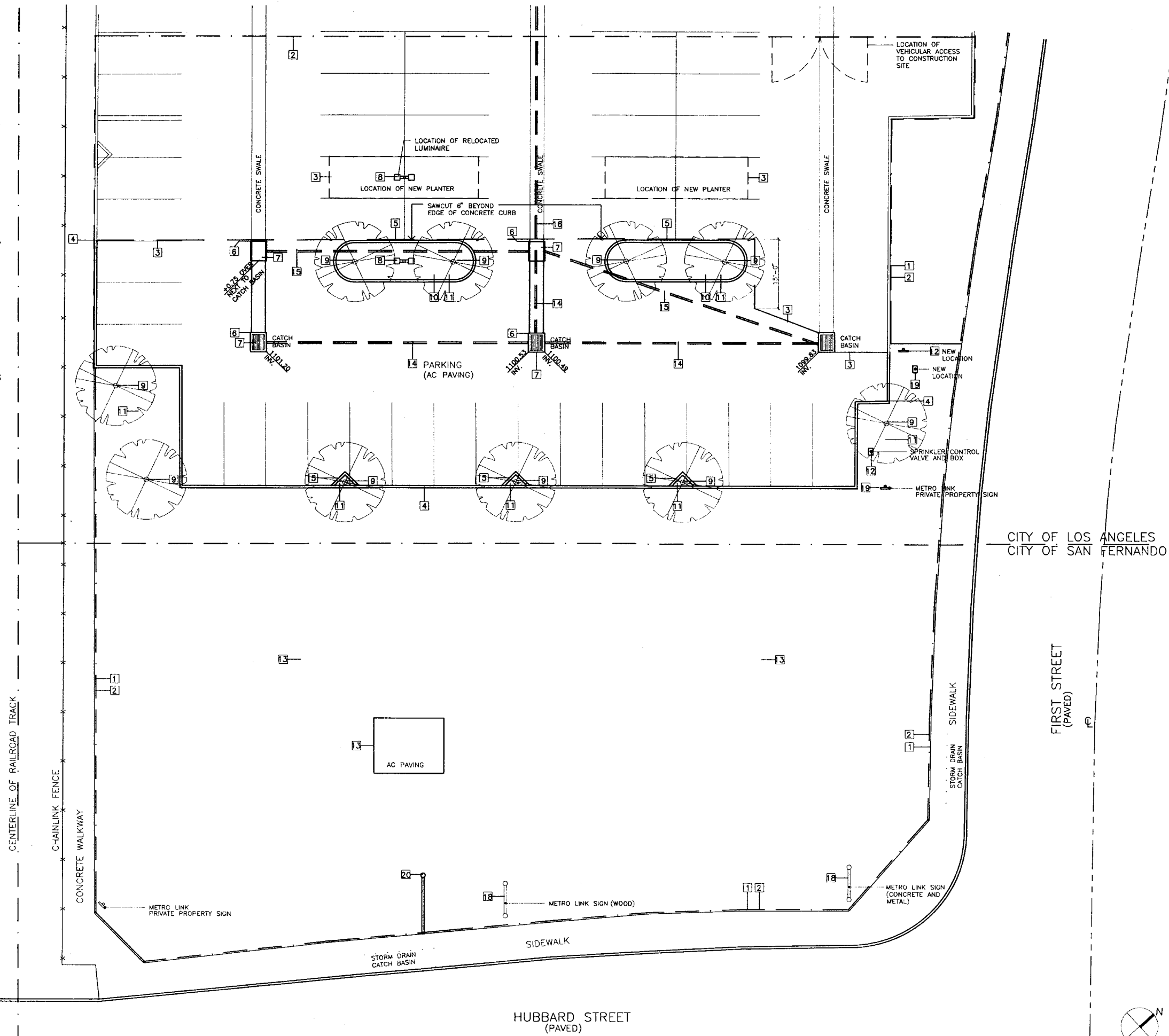






**DEMOLITION NOTES**

- 1 LINE OF LIMIT OF WORK (EXCEPT FOR UTILITY CONNECTIONS WATER, GAS, SEWER, POWER, TEL., TV. CABLE)
- 2 CONTRACTOR TO INSTALL A MINIMUM 8'-0" HIGH TEMPORARY BARRIER OR FENCE ALONG COMPLETE LENGTH OF LIMIT OF WORK LINE.
- 3 SAW CUT ALONG LINE SHOWN AND REMOVE A.C. PAVING. REMOVE BASE MATERIAL AT NEW BUILDING AND LANDSCAPE AREAS. SEE CONTRACT NO C-7270 DRAWING NO C-5, SHEET NO. 8 FOR TYPICAL PAVING AND BASE INFORMATION.
- 4 SAWCUT CONCRETE CURB AND REMOVE CONCRETE CURB BETWEEN SAWCUTS
- 5 REMOVE CONCRETE CURB
- 6 SAWCUT CONCRETE SWALE AND REMOVE FROM SAWCUT TO CATCH BASIN.
- 7 REMOVE CONCRETE CATCH BASIN AND REINSTALL IMMEDIATELY AT LOCATION SHOWN (OR INSTALL IDENTICAL NEW). CONNECT NEW CATCH BASIN TO EXISTING CATCH BASIN. ELEVATION TO MATCH CONCRETE SWALE.
- 8 DISCONNECT LUMINAIRE, LOCATE UNDERGROUND CONDUIT AND WIRES. REMOVE LUMINAIRE, REMOVE CONCRETE BASE. REINSTALL LUMINAIRE IMMEDIATELY WITH NEW CONCRETE BASE AT LOCATION SHOWN. SEE MTA CONTRACT NO C-7270, DRAWING NO E-6, SHEET NO E-6, SHEET NO 31 AND 34 FOR DETAILS
- 9 REMOVE TREES (10#), APPROX. BOX SIZE 36" X 36". STORE ON SITE IN SUITABLE SIZE CONTAINER OR METHOD. REPLANT DURING LANDSCAPE INSTALLATION PERIOD OR SOONER. 7 AT LOCATIONS INDICATED ON THE LANDSCAPE PLAN. 3 AT LOCATIONS AS DIRECTED BY THE MTA.
- 10 REMOVE SHRUBS AND EXCESS DIRT IN PLANTING AREA.
- 11 CAP EXISTING IRRIGATION SPRINKLER SYSTEM IN THIS AREA. CONNECT EXISTING SPRINKLER SYSTEM TO NEW LANDSCAPE ISLANDS. SEE IRRIGATION PLAN FOR LOCATION AND DETAILS. SEE MTA CONTRACT NO C-7270, DRAWING NO L-3, SHEET NO.42 FOR EXISTING IRRIGATION PLAN.
- 12 REMOVE EXISTING SPRINKLER CONTROL VALVE AND BOX AND REINSTALL IMMEDIATELY TO NEW LOCATION SHOWN.
- 13 REMOVE ROCKS OVER 2" IN SIZE, AC PAVING AND CONCRETE VISABLE ON THE SURFACE IN THE DIRT AREA.
- 14 DISCONNECT EXISTING 18" RCP DRAINAGE LINE AT CATCH BASINS, AND CAP.
- 15 INSTALL A NEW 18" RCP DRAINAGE LINE AT SAME DEPTH AND INVERT LEVEL AS EXISTING AND CONNECT TO THE NEW CATCH BASIN LOCATIONS IMMEDIATELY AFTER DISCONNECTING THE EXISTING 18" RCP LINE. SEE MTA CONTRACT C-7270, DRAWING C-R SHEET NO 15 FOR ADDITIONAL DRAINAGE INFORMATION.
- 16 CONNECT EXISTING 18" RCP DRAINAGE TO NEW CATCH BASIN LOCATION. INVERT LEVEL AS EXISTING.
- 17 INVERT LEVEL. FOR INVERT LEVEL OF LINE OF 18" RCP SEE MTA-CONTRACT NO C-7270, DRAWING NO C-12 AND C-13, SHEET NO. 15 AND 16.
- 18 REMOVE METRO LINK SIGN, REMOVE CONCRETE FOOTING AND DELIVER SIGN TO MTA ON SITE.
- 19 REMOVE AND RELOCATE METRO SIGN.
- 20 REMOVE CONDUIT AND WIRES PROJECTING ABOVE GROUND (INSTALLED FOR TEMPORARY POWER) TO EDGE OF SIDEWALK, AND CAP.
- 21 CONTRACTOR IS REQUIRED TO VISIT THE SITE TO FULLY ACQUAINT THEMSELVES WITH ALL VISABLE CONDITIONS AND ELEMENTS AT THE SITE.
- 22 DISPOSE OF ALL DEMOLITION MATERIALS OFF SITE LEGALLY.



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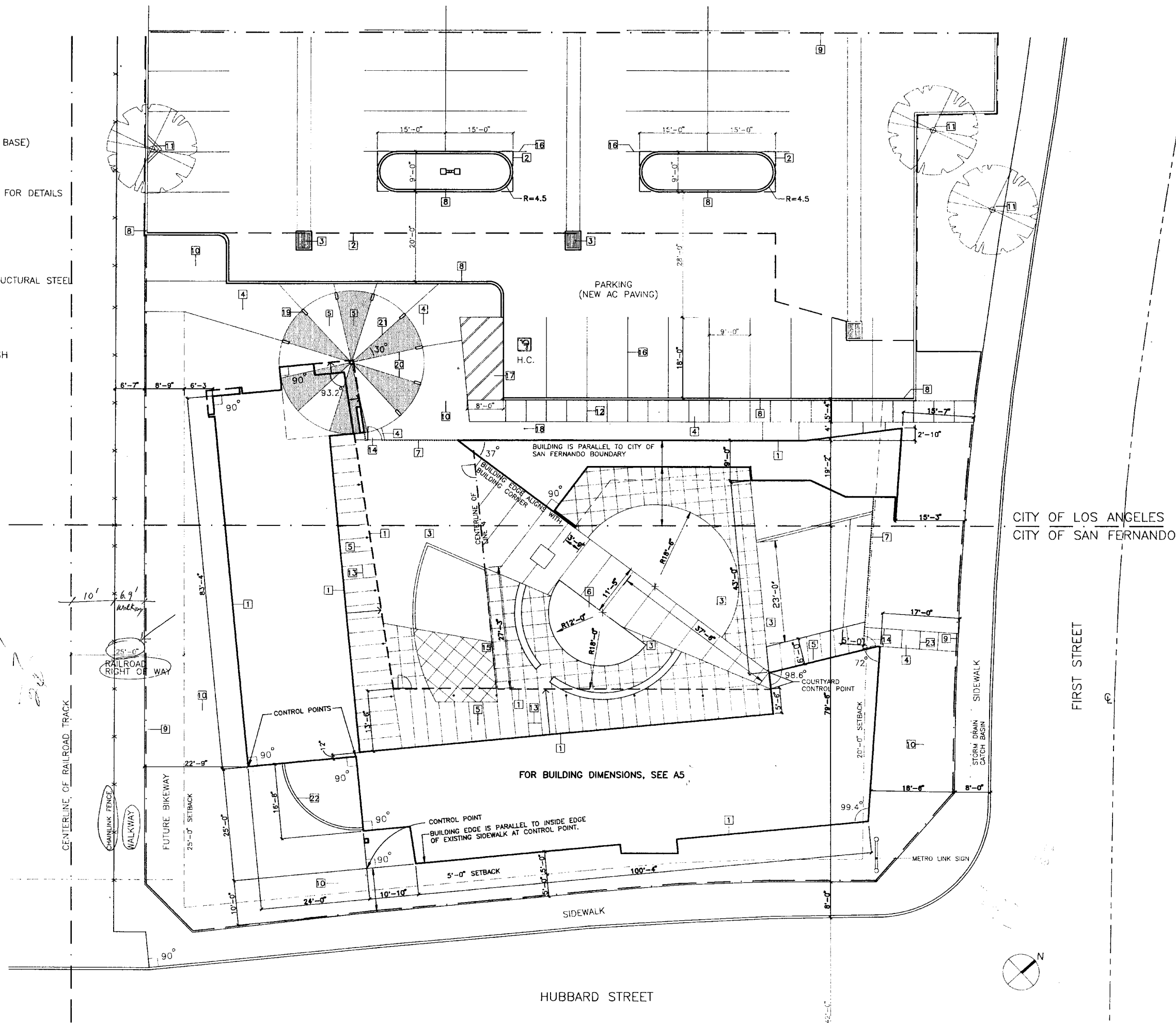
**DEMOLITION PLAN**

SCALE 1/10"=1'-0" DATE 04.13.95

**A3**

**SITE PLAN NOTES:**

- 1 EDGE OF BUILDING SLAB
- 2 LINE OF NEW AC PAVING (4" AC PAVING OVER 8" BASE)
- 3 NEW CONCRETE CATCH BASIN
- 4 CONCRETE FLATWORK
- 5 COLORED CONCRETE
- 6 PLAYGROUND AREAS - SEE LANDSCAPE DRAWINGS FOR DETAILS
- 7 WROUGHT IRON FENCE
- 8 NEW CONCRETE CURB
- 9 LIMIT OF WORKS
- 10 LANDSCAPE AREA
- 11 EXISTING TREES TO REMAIN
- 12 CONCRETE SCORING, 4'-6" O.C.
- 13 CONCRETE SCORING, 3'-0" O.C. ALIGN WITH STRUCTURAL STEEL
- 14 3'-0" W.I. EXIT GATE
- 15 DRINKING FOUNTAIN
- 16 PARKING STRIPING
- 17 H.C. STRIPING (NO CURB AT H.C. STALL)
- 18 H.C. POST SIGN
- 19 WOOD COLUMN WITH PLYWOOD. STUCCO FINISH
- 20 CONCRETE SCORE LINE
- 21 ANGLE DUE NORTH
- 22 BLOCKWALL FENCE - SEE DETAIL 12 OF S6
- 23 CONCRETE SCORING, 4'-0" O.C.



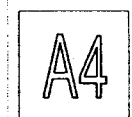
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**SITE PLAN**  
 SCALE 1/10" = 1'-0" DATE 04.13.95

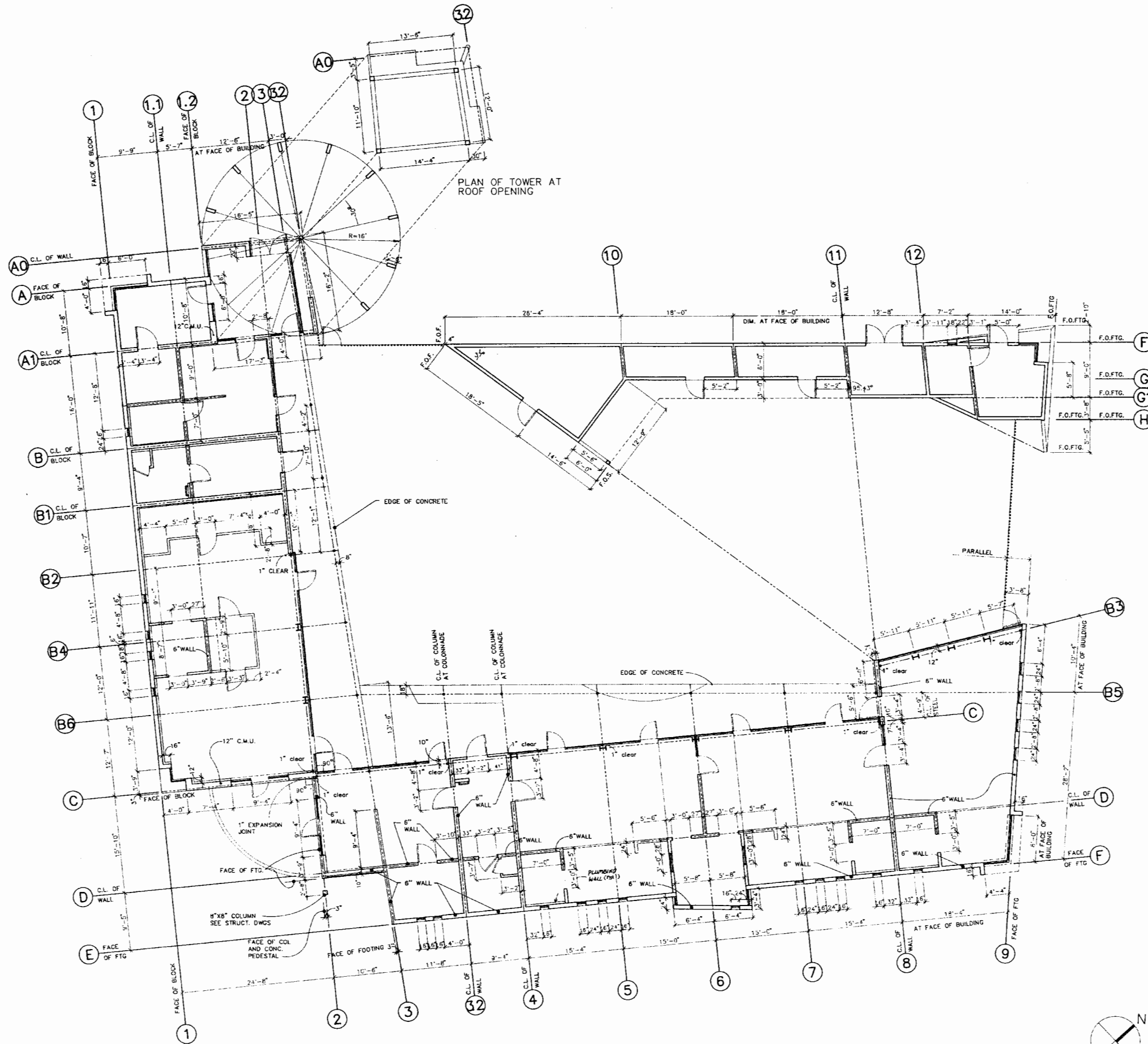


SHEET 5 OF 62

4/13/95

**NOTES:**

F.O.S. - FACE OF STUD  
 C.L. - CENTERLINE  
 CO-ORDINATE GRID LINES WITH STRUCTURAL DRAWINGS  
 GRID LINES ARE CENTER LINE OF STEEL, UNLESS OTHERWISE NOTED  
 ALL WOOD STUD WALLS ARE 2X4, UNLESS OTHERWISE NOTED  
 ALL BLOCK WALLS ARE 8" C.M.U., UNLESS OTHERWISE NOTED  
 FOR BLOCKWALL LOCATIONS, SEE BUILDING PLAN A6 AND STRUCTURAL DRAWINGS  
 FOR ROOF (EAVES) OVERHANG DIMENSIONS, SEE A8  
 FOR CLERESTORY DIMENSIONS, SEE A9



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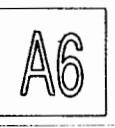
**BUILDING PLAN  
 DIMENSION**  
 SCALE 1/8" = 1'-0"  
 DATE 04.13.95

**A5**



REV.	DATE	BY	APP.

**BUILDING PLAN**  
 SCALE 1/8"=1'-0" DATE 04.13.95  
 4/19/95 ISSUED FOR BID

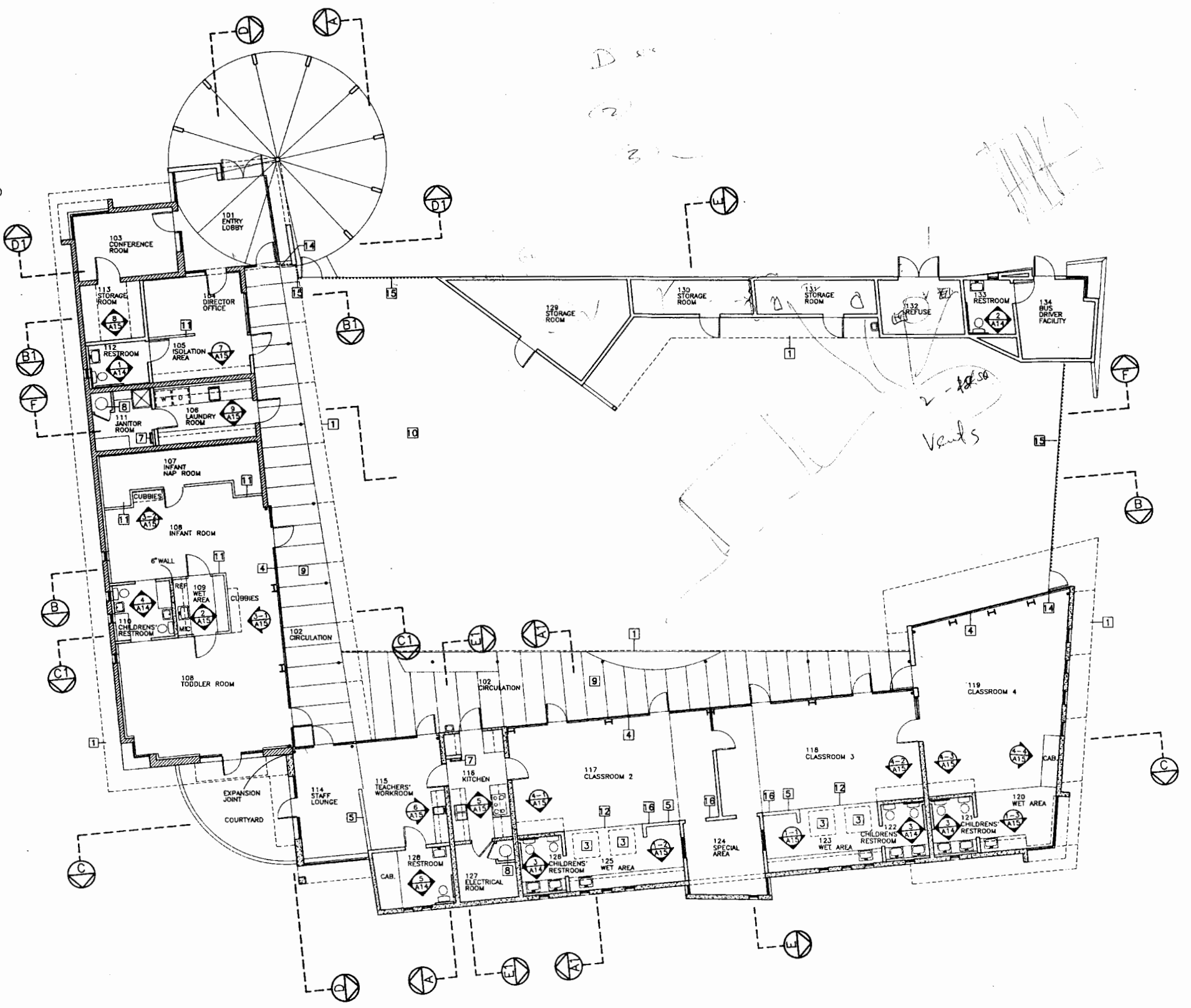


**FLOOR PLAN NOTES:**

- 1 LINE OF ROOF ABOVE
- 2 LINE OF SOFFIT ABOVE
- 3 LINE OF CLERESTORY WINDOW ABOVE
- 4 ALUMINUM STOREFRONT. ALIGN MULLIONS W/ STRUCTURAL GRID
- 5 HIGH DIVIDING WALL - 4'-6" HIGH
- 6 DOWNSPOUT - SEE ROOF PLAN & ELEVATIONS
- 7 METAL ROOF ACCESS LADDER & 30"X30" METAL ROOF HATCH
- 8 WATER HEATER - SEE MECHANICAL PLANS
- 9 CONCRETE PAVING. ALIGN SCORELINE W/ STOREFRONT GRID
- 10 PLANTING AREA - SEE LANDSCAPE DRAWINGS
- 11 LOW DIVIDING WALL - 3'-0" HIGH
- 12 LINE OF CHANGE IN FLOOR MATERIAL
- 13 CONCRETE BLOCK WALL
- 14 WROUGHT IRON POST ALIGN W/ WINDOW MULLION
- 15 WROUGHT IRON FENCE
- 16 ALIGN FACE OF 4" WALL TO FACE OF 6" WALL












**LEGEND:**

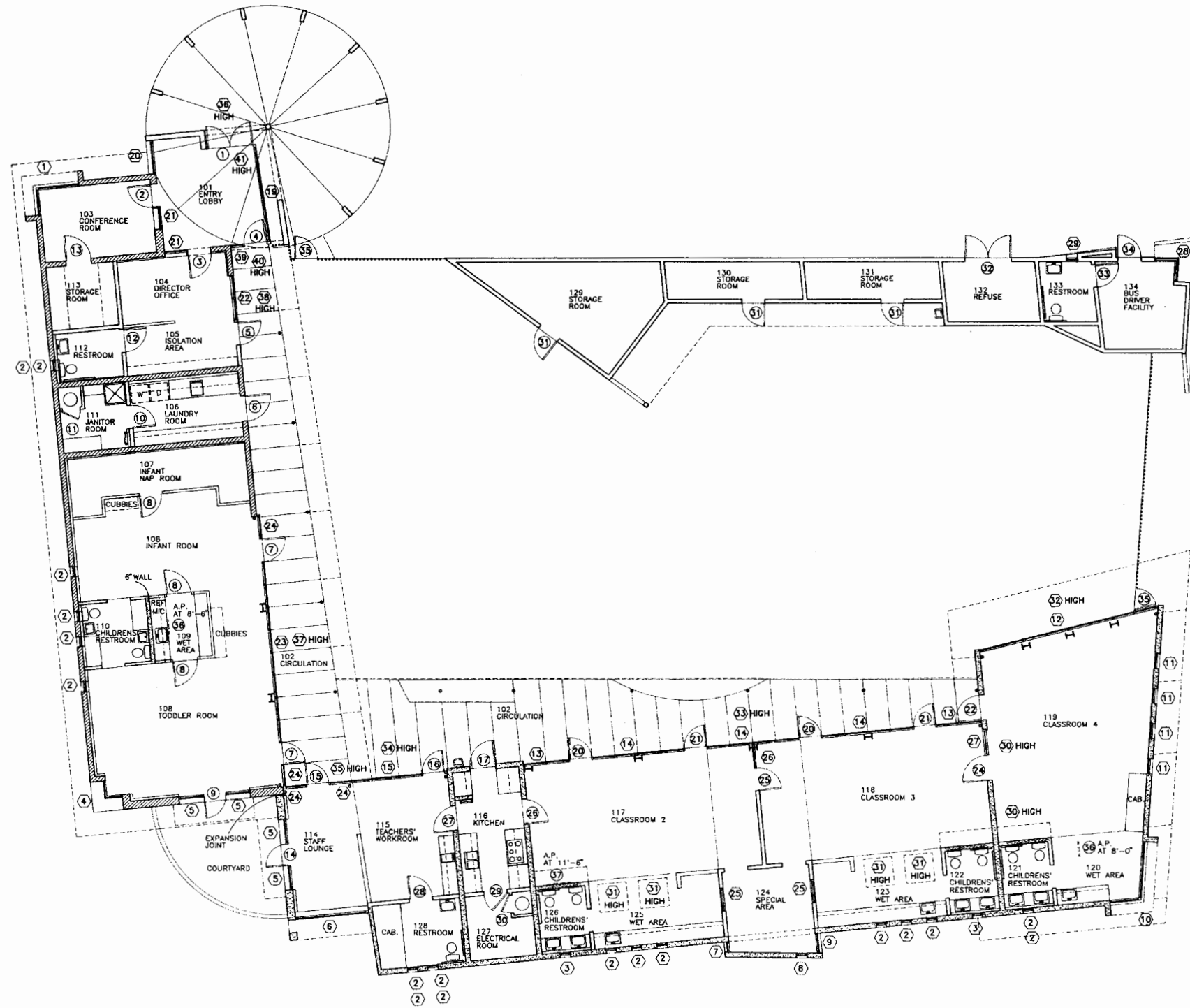
- CONCRETE BLOCK WALL
- CONCRETE BLOCK WALL W/ 2X4 WALL
- CONCRETE BLOCK WALL W/ 2X4 FLAT WALL
- 2X6 WALL @16" O.C. WITH R-19 FIBERGLASS BATT INSULATION
- 2X4 WALL
- 2X4 1/2 OFFSET 1" DOUBLE GLAZED STOREFRONT (EXTERIOR LOCATIONS)
- 2X4 1/2 CENTER GLAZED STOREFRONT (INTERIOR LOCATIONS)
- STRUCTURAL STEEL
- 101 ROOM NUMBER - SEE FINISH SCHEDULE





**LEGEND:**

-  CONCRETE BLOCK WALL
-  CONCRETE BLOCK WALL W/ 2X4 WALL
-  CONCRETE BLOCK WALL W/ 2X4 FLAT WALL
-  2X6 WALL @16" O.C. WITH R-19 FIBERGLASS BATT INSULATION
-  2X4 WALL
-  2X4 1/2 OFFSET 1" DOUBLE GLAZED STOREFRONT (EXTERIOR LOCATIONS)
-  2X4 1/2 CENTER GLAZED STOREFRONT (INTERIOR LOCATIONS)
-  STRUCTURAL STEEL
-  DOOR NUMBER - SEE DOOR SCHEDULE
-  WINDOW NUMBER - SEE WINDOW SCHEDULE
-  ROOM NUMBER - SEE FINISH SCHEDULE



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**BUILDING PLAN -  
 DOOR & WINDOW**  
 SCALE 1/8"=1'-0" DATE 04.13.95

**A7**

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4/13/95

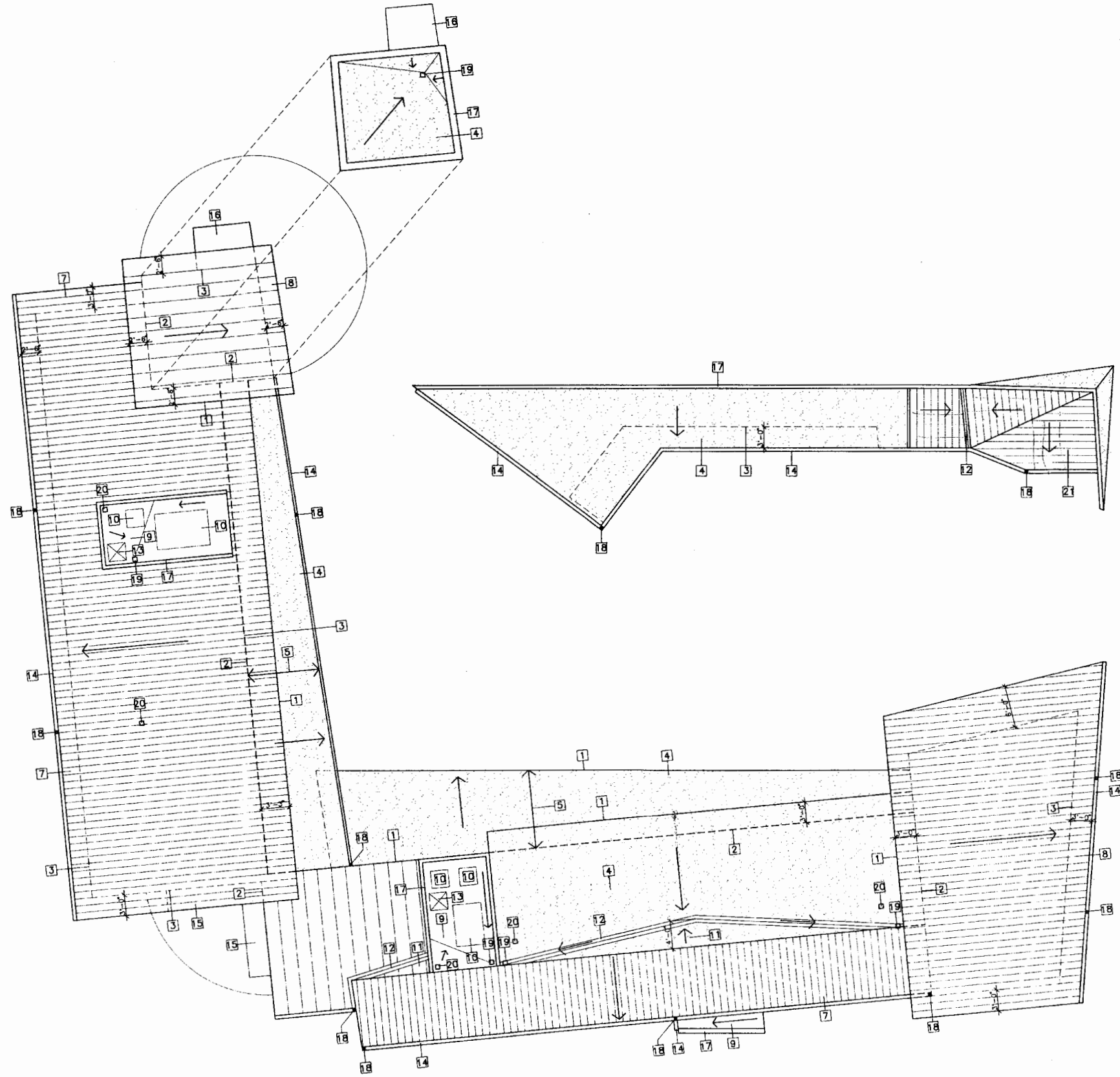
**ROOF PLAN NOTES:**

- 1 EDGE OF ROOF
- 2 EDGE OF LOWER ROOF
- 3 EDGE OF BUILDING BELOW
- 4 BUILT-UP ROOFING. MIN FALL 1/4" PER 1'-0"
- 5 WIDTH OF LOWER ROOF
- 6 GLASS - BRISTOLITE HDM SKYLIGHT
- 7 METAL ROOFING - STANDING SEAM NARROW WIDTH (12" O.C.±)
- 8 METAL ROOFING - STANDING SEAM WIDE WIDTH (24" O.C.±)
- 9 WEATHER DECKING. MIN FALL 1/8" PER 1'-0"
- 10 ROOFTOP MECHANICAL EQUIPMENT PLATFORM
- 11 CRICKET
- 12 METAL VALLEY FLASHING, PER ROOFING MANUFACTURER'S SPECS.
- 13 METAL ROOF HATCH
- 14 GUTTER - SLOPE TO DOWNSPOUT
- 15 SUNSHADE AWNING
- 16 CANOPY
- 17 METAL PARAPET CAP
- 18 4" ROUND METAL DOWNSPOUT
- 19 C.I. ROOF DRAIN
- 20 WASTE VENT - CONNECT SEVERAL VENTS TOGETHER IN ATTIC/ROOF SPACE. SEE PLUMBING DRAWINGS
- 21 ASPHALT SHINGLES ROOF

→ DIRECTION OF FALL

**NOTE:**

1. COORDINATE EXACT SIZE OF MECHANICAL EQUIPMENT PAD WITH EQUIPMENT MANUFACTURER AND EXACT LOCATION WITH MECHANICAL SUBCONTRACTOR. COORDINATE WITH WASTE VENTS, EXHAUST DUCTS AND FRESH AIR INLETS.
2. INSTALL STANDING SEAM ROOF WITH METAL FLASHING PER THE MANUFACTURER'S DETAILS AND SPECIFICATIONS.
3. INSTALL METAL FLASHING PER THE ROOFING MANUFACTURER'S DETAILS AND SPECIFICATIONS.



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**ROOF PLAN**



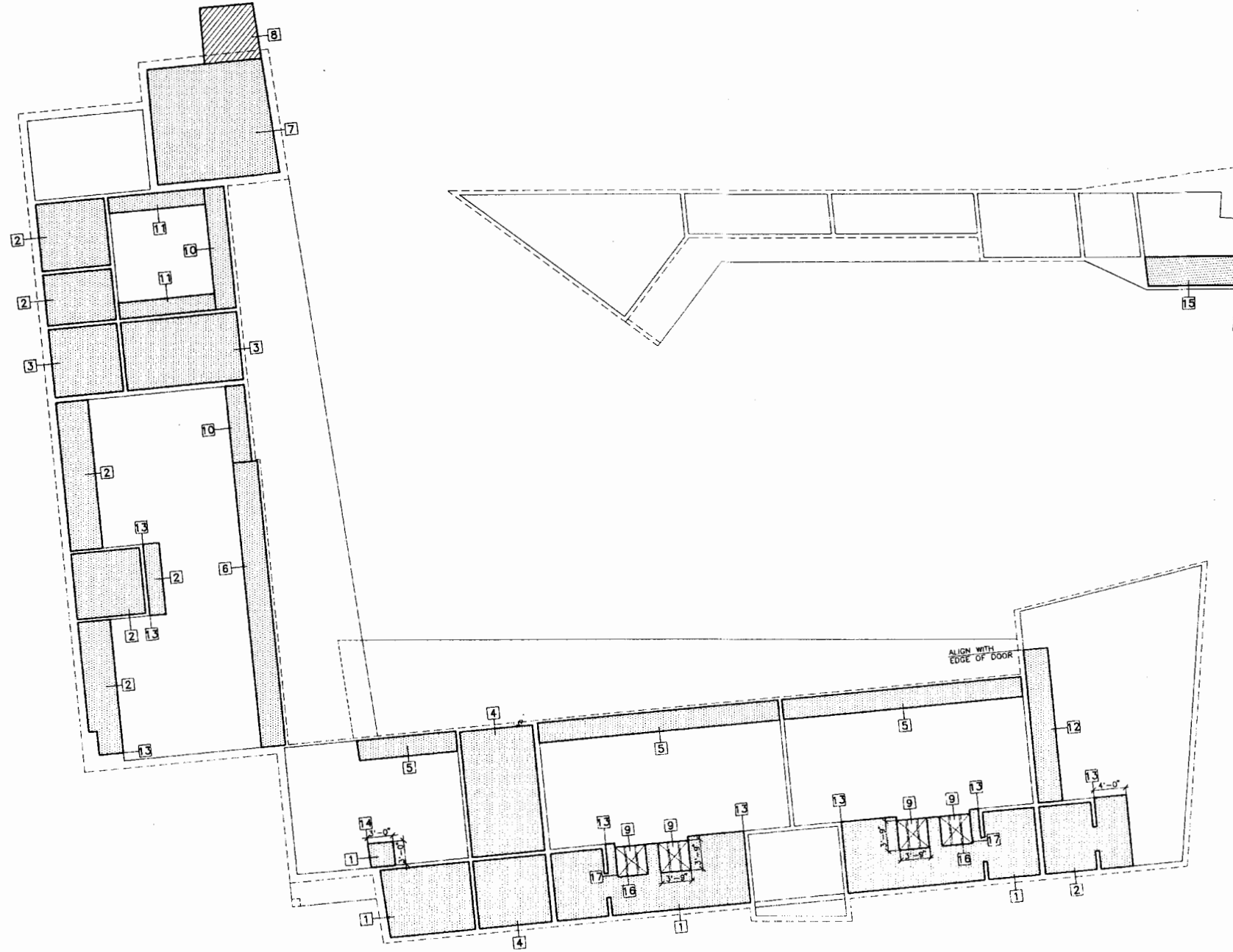
SHEET 9 OF 62

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**CEILING PLAN NOTES:**

- 1 DROPPED CEILING AT 7'-6"
- 2 DROPPED CEILING AT 8'-0"
- 3 CEILING AT 8'-0" OR 8'-6" INCLINED
- 4 CEILING AT 7'-6" OR 8'-0" INCLINED
- 5 CEILING CANOPY AT 8'-0"
- 6 CEILING CANOPY AT 12'-0"
- 7 DROPPED CEILING FROM 15'-0" TO 18'-0"
- 8 ENTRY CANOPY
- 9 CLERESTORY - TJI'S CARRY THROUGH
- 10 CEILING CANOPY FROM 9'-0" TO 12'-0"
- 11 DROPPED CEILING FROM 9'-0" TO 11'-0"
- 12 DROPPED CEILING FROM 8'-0" TO 11'-0"
- 13 ALIGN DROPPED CEILING W/ FACE OF WALL FINISH
- 14 ALIGN DROPPED CEILING W/ FACE OF WALL BELOW
- 15 VARIABLE HEIGHT LOW CEILING
- 16 EXPOSED TJI - STAIN/SEAL FINISH
- 17 ATTACH DRYWALL TO INSIDE EDGE OF TJI

NOTE:  
 CEILING HEIGHT IS UNDERSIDE OF ROOF JOISTS  
 UNLESS NOTED OTHERWISE.



REFLECTED  
 CEILING PLAN  
 SCALE 1/8"=1'-0" DATE 04.13.95

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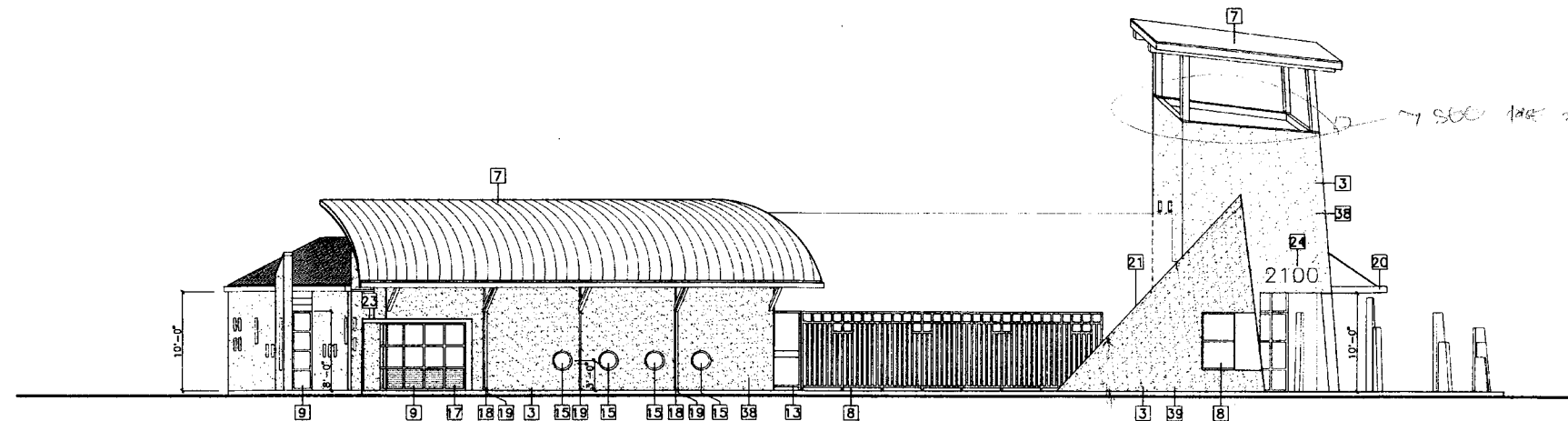


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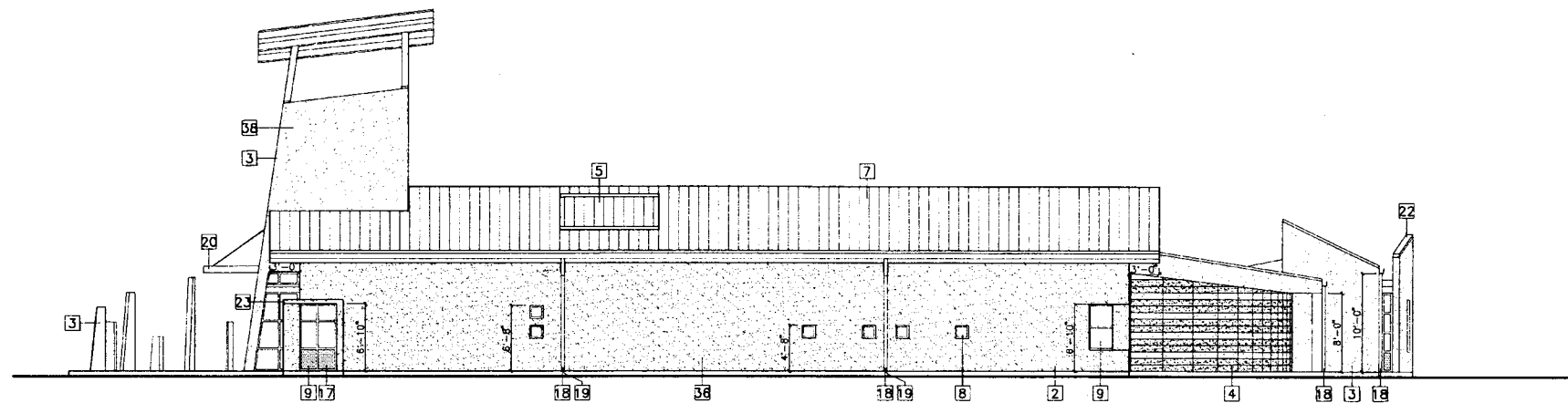
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ELEVATION NOTES:

- 1 2 COAT STUCCO OVER BLOCKWALL
- 2 3 COAT STUCCO OVER BLOCKWALL WITH LATH
- 3 3 COAT STUCCO OVER WOOD FRAME
- 4 BLOCKWALL - 2 COLOR IN 16" BANDS W/ SEALCOAT
- 5 METAL PANEL CLAD WALL
- 6 METAL ROOFING (TERRA-COTTA RED)
- 7 METAL ROOFING - STANDING SEAM (TERRA-COTTA RED)
- 8 WINDOW - SEE WINDOW SCHEDULE
- 9 STOREFRONT WINDOW - SEE WINDOW SCHEDULE
- 10 METAL DOOR - SEE DOOR SCHEDULE
- 11 STOREFRONT DOOR - SEE DOOR SCHEDULE
- 12 WEATHERDECKING
- 13 WROUGHT IRON GATE WITH METAL SCREEN (4/23)
- 14 GUTTER
- 15 WROUGHT IRON FENCE (4/23)
- 16 3 COATS SEMI-TRANSPARENT STAIN
- 17 OPAQUE GLASS
- 18 4" Ø METAL DOWNSPOUT
- 19 STUCCO EXPANSION JOINT
- 20 CANOPY (20/23) (20/23)
- 21 STUCCO PARAPET WITH METAL FLASHING UNDERNEATH
- 22 METAL PARAPET CAP (2/24) (2/24)
- 23 SUNSHADE AWNING (20/23) (20/23)
- 24 18" SOLID CAST ALUMINUM LETTERS - TYPE FACE MODERN NARROW. BY LES SKINNER CO. OR BUILDERS BRASS WORKERS.
- 25 MECHANICAL EQUIPMENT ON MECHANICAL ROOF PAD
- 26 AIR HANDLER IN ATTIC SPACE ON MECHANICAL PAD
- 27 DUCT
- 28 14"x14" ATTIC METAL LOUVRE VENT W/ FLY SCREEN
- 29 VERTICAL METAL SUNSHADE AWNING (20/23)
- 30 STEEL COLUMN - PAINT PRIMARY COLOR
- 31 24"x36" ACCESS PANEL
- 32 CAST IRON ROOF DRAIN (1/24) (1/24)
- 33 14"x14" G.I. ROOF VENT W/ FLY SCREEN
- 34 SUNSHADE CANOPY (17/23) (18/23) (19/23)
- 35 STUCCO COLOR A
- 36 STUCCO COLOR B
- 37 STUCCO COLOR C
- 38 STUCCO COLOR D
- 39 STUCCO COLOR E



FIRST STREET ELEVATION



RAILROAD TRACK/WEST ELEVATION

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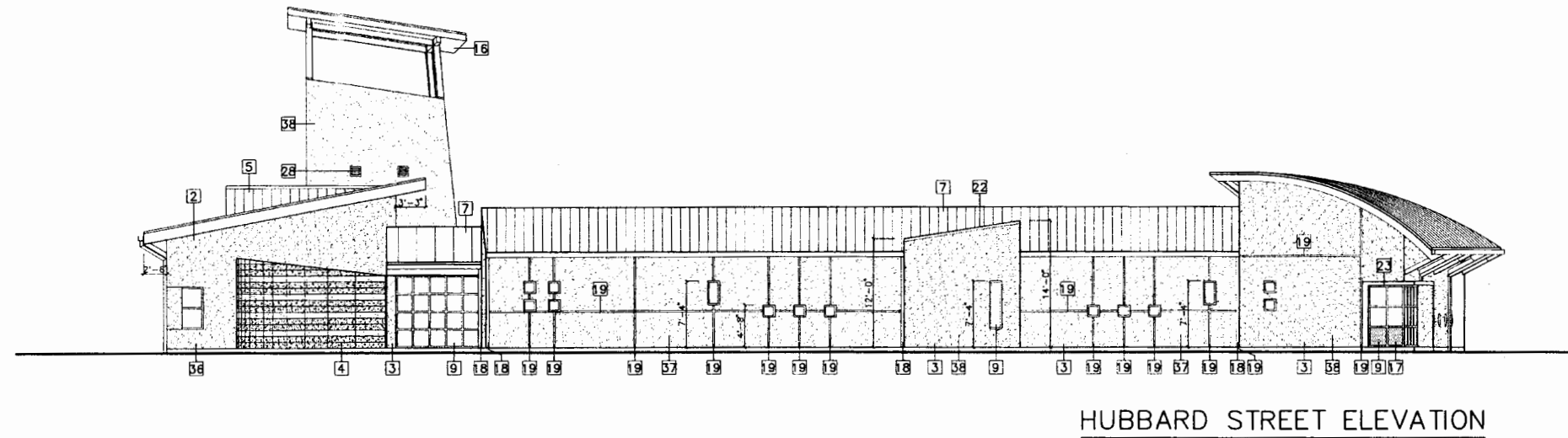
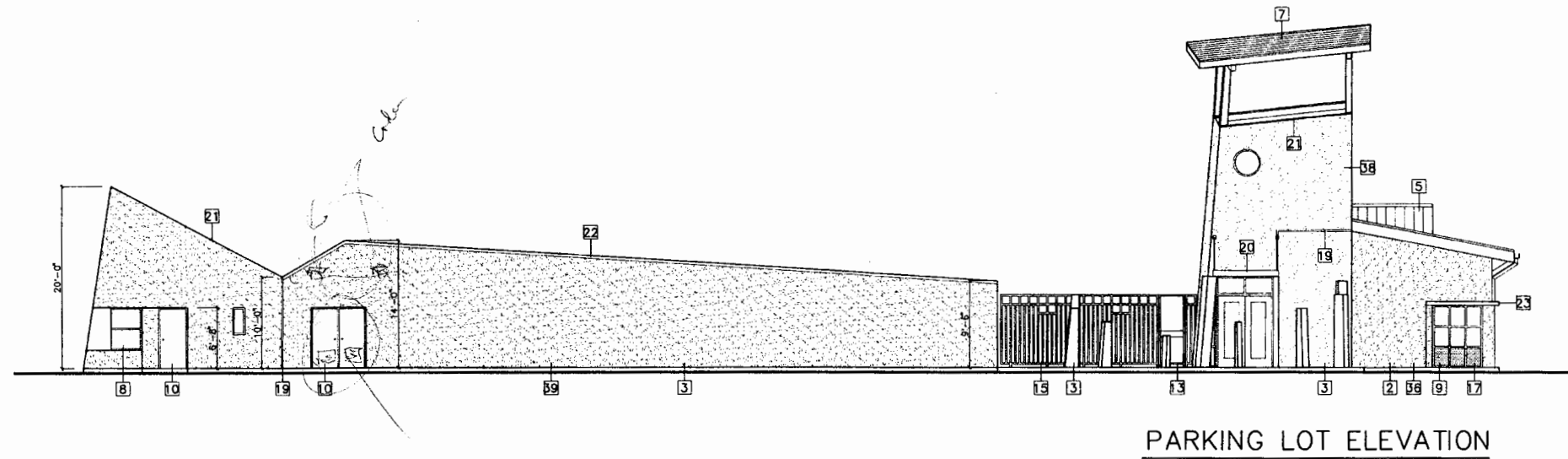
A10

4/12/95 ISSUED FOR B.D.

SHEET 11 OF 62

ELEVATION NOTES:

- 1 2 COAT STUCCO OVER BLOCKWALL
- 2 3 COAT STUCCO OVER BLOCKWALL WITH LATH
- 3 3 COAT STUCCO OVER WOOD FRAME
- 4 BLOCKWALL - 2 COLOR IN 16" BANDS W/ SEALCOAT
- 5 METAL PANEL CLAD WALL
- 6 METAL ROOFING (TERRA-COTTA RED)
- 7 METAL ROOFING - STANDING SEAM (TERRA-COTTA RED)
- 8 WINDOW - SEE WINDOW SCHEDULE
- 9 STOREFRONT WINDOW - SEE WINDOW SCHEDULE
- 10 METAL DOOR - SEE DOOR SCHEDULE
- 11 STOREFRONT DOOR - SEE DOOR SCHEDULE
- 12 WEATHERDECKING
- 13 WROUGHT IRON GATE WITH METAL SCREEN (1/2" x 24")
- 14 GUTTER
- 15 WROUGHT IRON FENCE (4" x 24")
- 16 3 COATS SEMI-TRANSPARENT STAIN
- 17 OPAQUE GLASS
- 18 4" Ø METAL DOWNSPOUT
- 19 STUCCO EXPANSION JOINT
- 20 CANOPY (26" x 24") (27" x 24")
- 21 STUCCO PARAPET WITH METAL FLASHING UNDERNEATH
- 22 METAL PARAPET CAP (20" x 24") (21" x 24")
- 23 SUNSHADE AWNING (20" x 24") (21" x 24")
- 24 18" SOLID CAST ALUMINUM LETTERS - TYPE FACE MODERN NARROW. BY LES SKINNER CO. OR BUILDERS BRASS WORKERS.
- 25 MECHANICAL EQUIPMENT ON MECHANICAL ROOF PAD
- 26 AIR HANDLER IN ATTIC SPACE ON MECHANICAL PAD
- 27 DUCT
- 28 14" X 14" ATTIC METAL LOUVRE VENT W/ FLY SCREEN
- 29 VERTICAL METAL SUNSHADE AWNING (25" x 24") (26" x 24")
- 30 STEEL COLUMN - PAINT PRIMARY COLOR
- 31 24" X 36" ACCESS PANEL
- 32 CAST IRON ROOF DRAIN (1" x 24") (1" x 24")
- 33 14" X 14" G.I. ROOF VENT W/ FLY SCREEN
- 34 SUNSHADE CANOPY (17" x 24") (18" x 24") (19" x 24")
- 35 STUCCO COLOR A
- 36 STUCCO COLOR B
- 37 STUCCO COLOR C
- 38 STUCCO COLOR D
- 39 STUCCO COLOR E



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 ARCHITECTURE INTERIOR DESIGN  
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REV.	DATE	BY	APP.

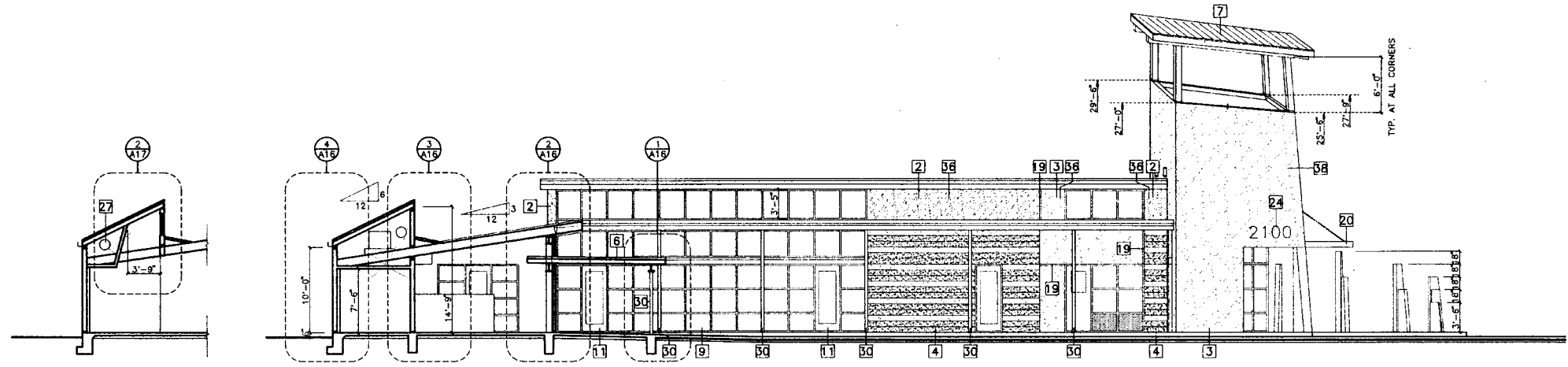
EXTERIOR ELEVATIONS

SCALE 1/8"=1'-0" DATE 04.13.95

A11

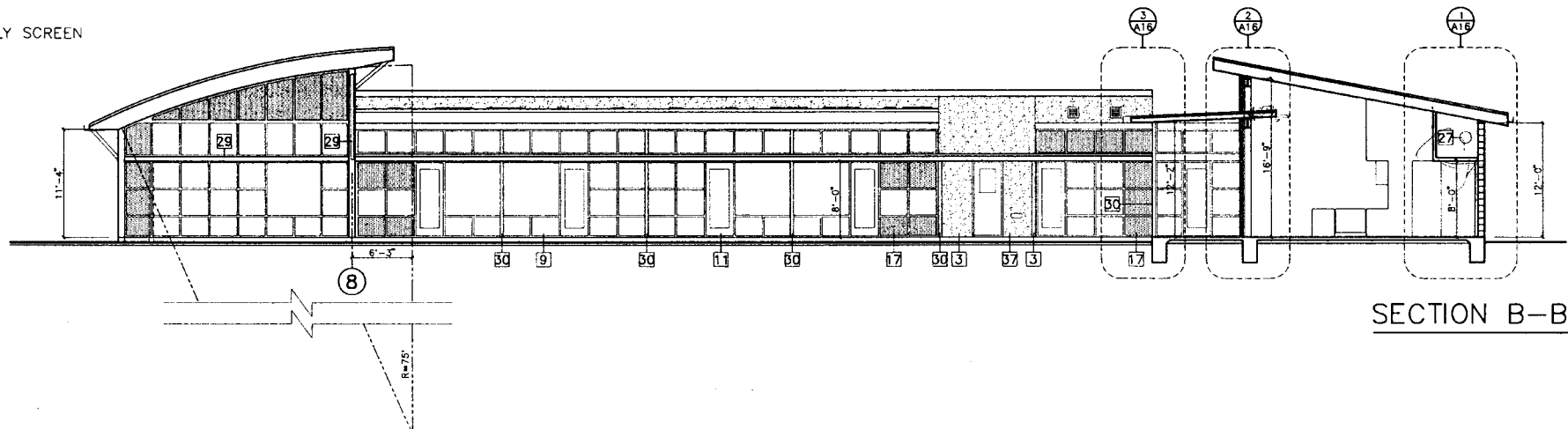
SECTION/ELEVATION NOTES:

- 1 2 COAT STUCCO OVER BLOCKWALL
- 2 3 COAT STUCCO OVER BLOCKWALL WITH LATH
- 3 3 COAT STUCCO OVER WOOD FRAME
- 4 BLOCKWALL - 2 COLOR IN 16" BANDS W/ SEALCOAT
- 5 METAL PANEL CLAD WALL
- 6 METAL ROOFING (TERRA-COTTA RED)
- 7 METAL ROOFING - STANDING SEAM (TERRA-COTTA RED)
- 8 WINDOW - SEE WINDOW SCHEDULE
- 9 STOREFRONT WINDOW - SEE WINDOW SCHEDULE
- 10 METAL DOOR - SEE DOOR SCHEDULE
- 11 STOREFRONT DOOR - SEE DOOR SCHEDULE
- 12 WEATHERDECKING
- 13 WROUGHT IRON GATE WITH METAL SCREEN (A24)
- 14 GUTTER
- 15 WROUGHT IRON FENCE (A25)
- 16 3 COATS SEMI-TRANSPARENT STAIN
- 17 OPAQUE GLASS
- 18 4" Ø METAL DOWNSPOUT
- 19 STUCCO EXPANSION JOINT
- 20 CANOPY (A26) (A27)
- 21 STUCCO PARAPET WITH METAL FLASHING UNDERNEATH
- 22 METAL PARAPET CAP (A28)
- 23 SUNSHADE AWNING (A29)
- 24 18" SOLID CAST ALUMINUM LETTERS - TYPE FACE MODERN NARROW. BY LES SKINNER CO. OR BUILDERS BRASS WORKERS.
- 25 MECHANICAL EQUIPMENT ON MECHANICAL ROOF PAD
- 26 AIR HANDLER IN ATTIC SPACE ON MECHANICAL PAD
- 27 DUCT
- 28 14"x14" ATTIC METAL LOUVRE VENT W/ FLY SCREEN
- 29 VERTICAL METAL SUNSHADE AWNING (A30)
- 30 STEEL COLUMN - PAINT PRIMARY COLOR
- 31 24"x36" ACCESS PANEL
- 32 CAST IRON ROOF DRAIN (A31)
- 33 14"x14" G.I. ROOF VENT W/ FLY SCREEN
- 34 SUNSHADE CANOPY (A32) (A33) (A34)
- 35 STUCCO COLOR A
- 36 STUCCO COLOR B
- 37 STUCCO COLOR C
- 38 STUCCO COLOR D
- 39 STUCCO COLOR E

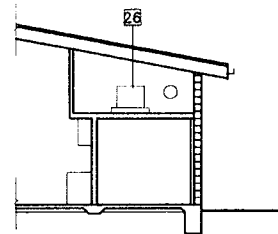


SECTION A1-A1

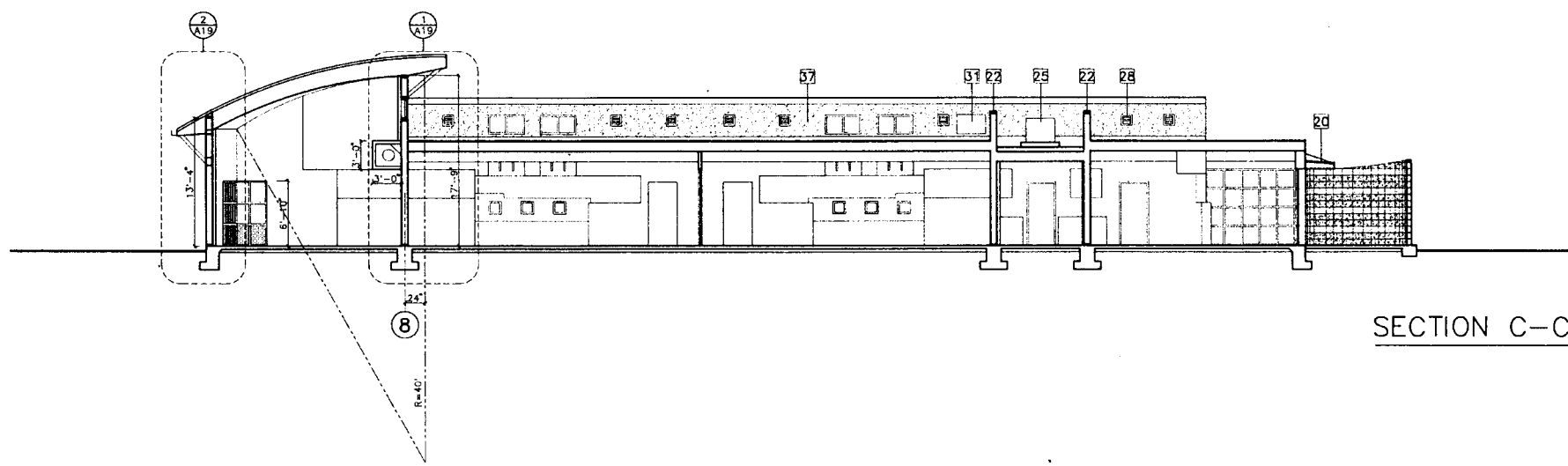
SECTION A-A



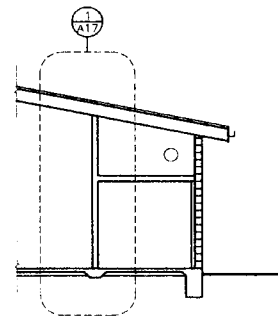
SECTION B-B



SECTION B1-B1



SECTION C-C



SECTION C1-C1

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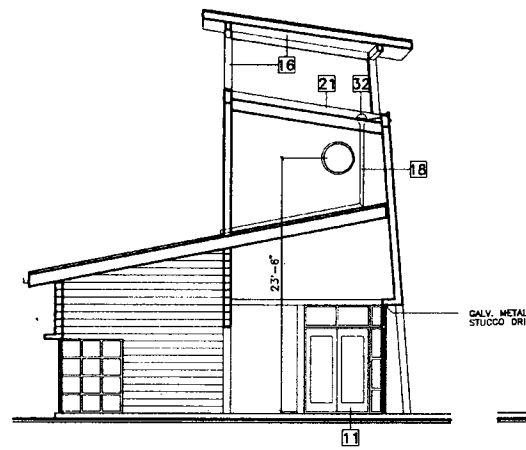
REV.	DATE	BY	APP.

SECTIONS  
 SCALE 1/8"=1'-0" DATE 04.13.95

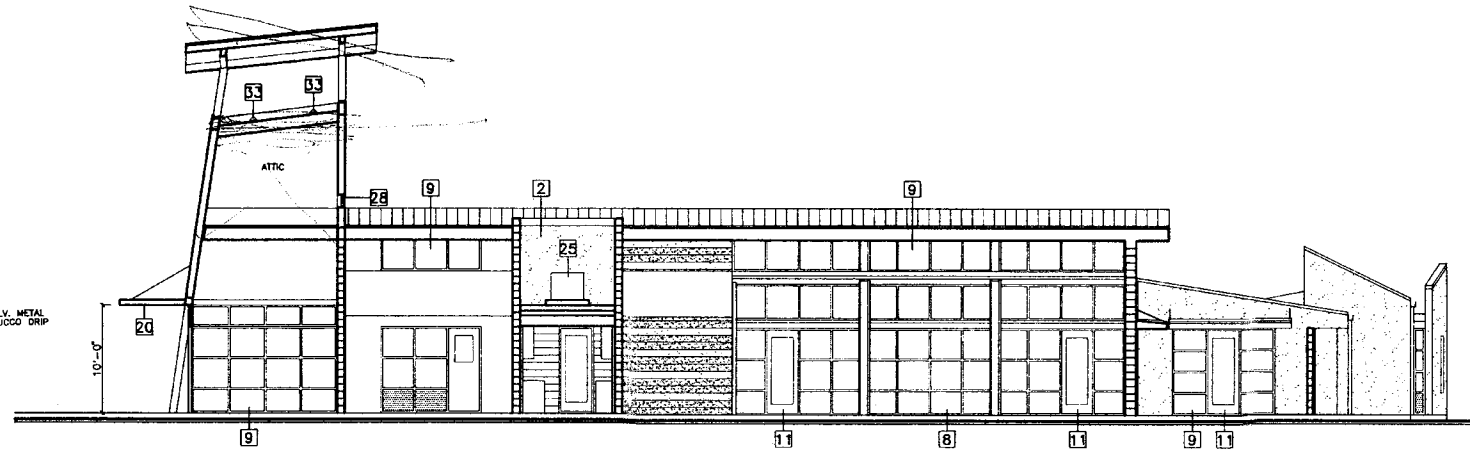
A12

SECTION/ELEVATION NOTES:

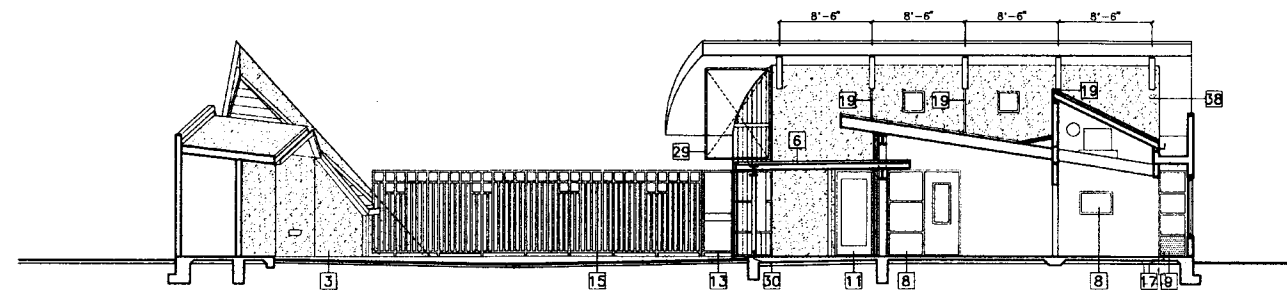
- 1 2 COAT STUCCO OVER BLOCKWALL
- 2 3 COAT STUCCO OVER BLOCKWALL WITH LATH
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- 19 STUCCO EXPANSION JOINT
- 20 CANOPY (A23) (A24)
- 21 STUCCO PARAPET WITH METAL FLASHING UNDERNEATH
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- 35 STUCCO COLOR A
- 36 STUCCO COLOR B
- 37 STUCCO COLOR C
- 38 STUCCO COLOR D
- 39 STUCCO COLOR E



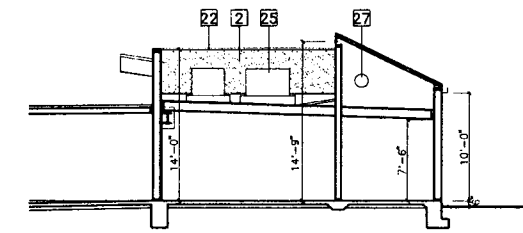
SECTION D1-D1



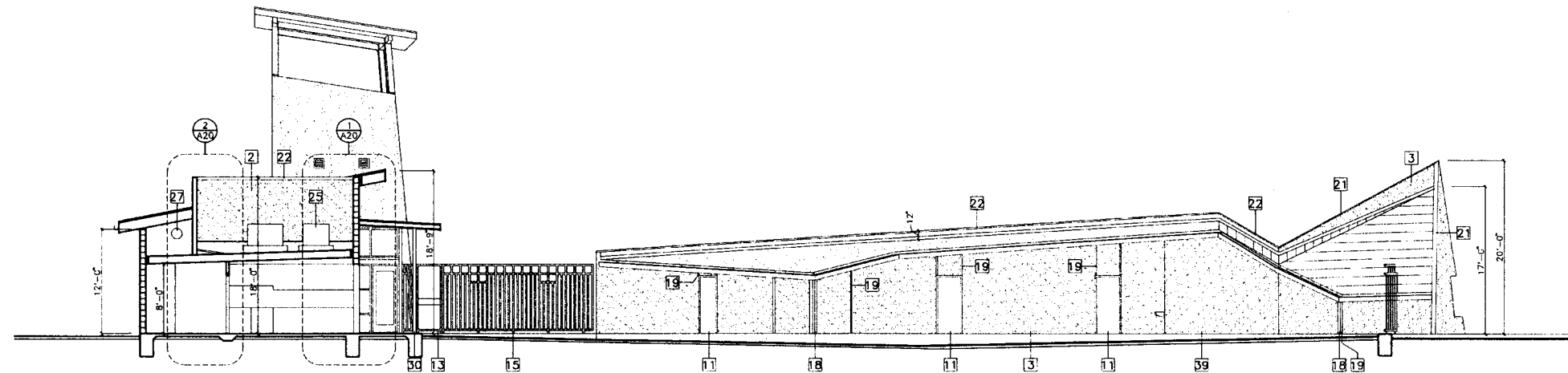
SECTION D-D



SECTION E-E



SECTION E1-E1



SECTION F-F

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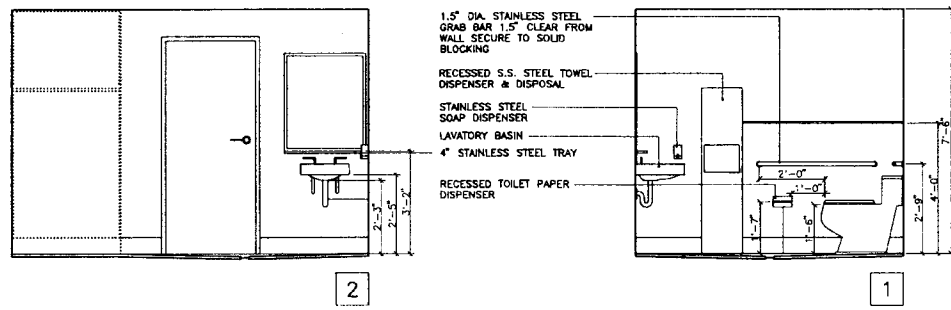
REV.	DATE	BY	APP.

SECTIONS  
 SCALE 1/8"=1'-0" DATE 04.13.95

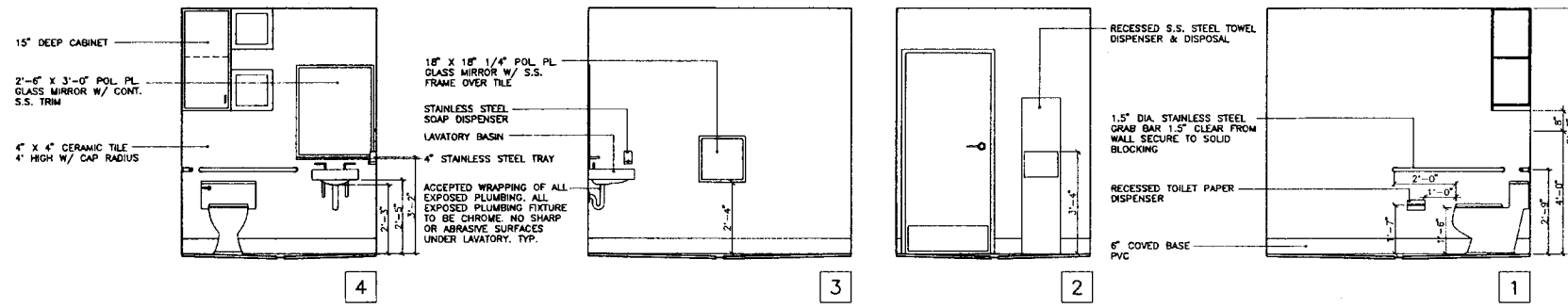
A13

SHEET 14 OF 62

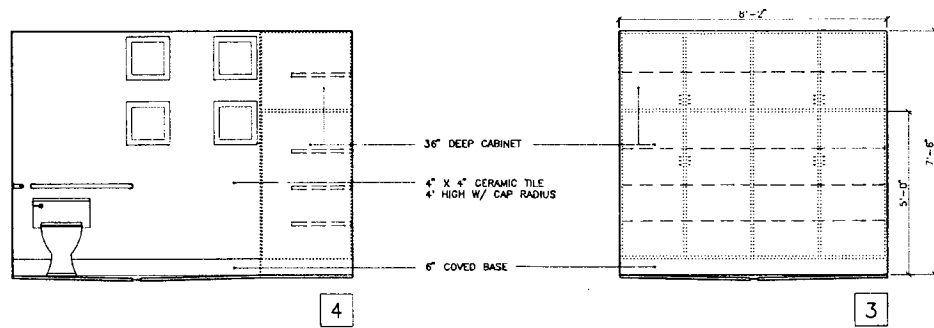
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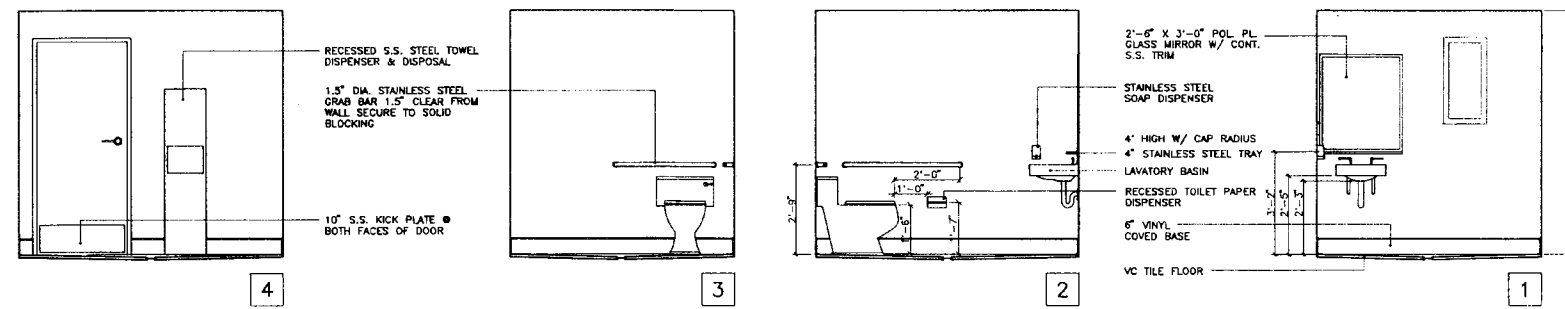
TEACHERS' RESTROOM  
ROOM 128, HANDICAP ACCESSIBLE (5)



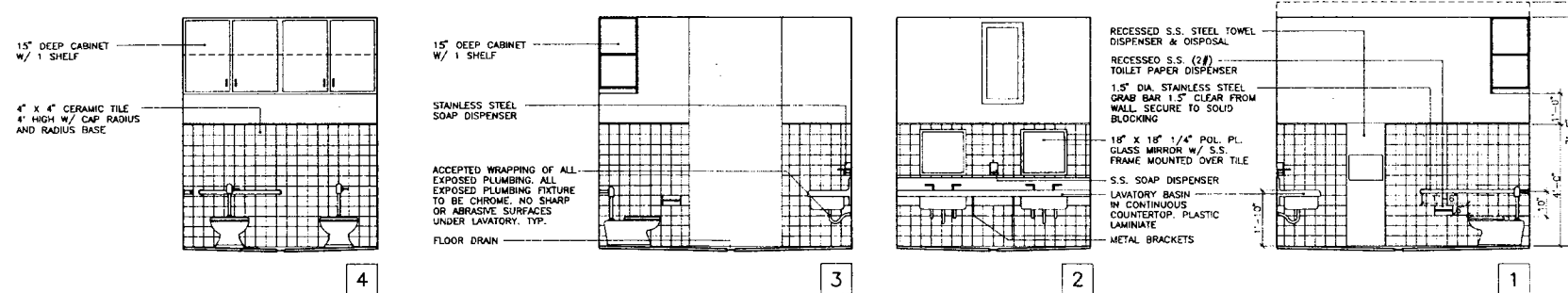
ADULT RESTROOM  
ROOM 112, HANDICAP ACCESSIBLE (1)



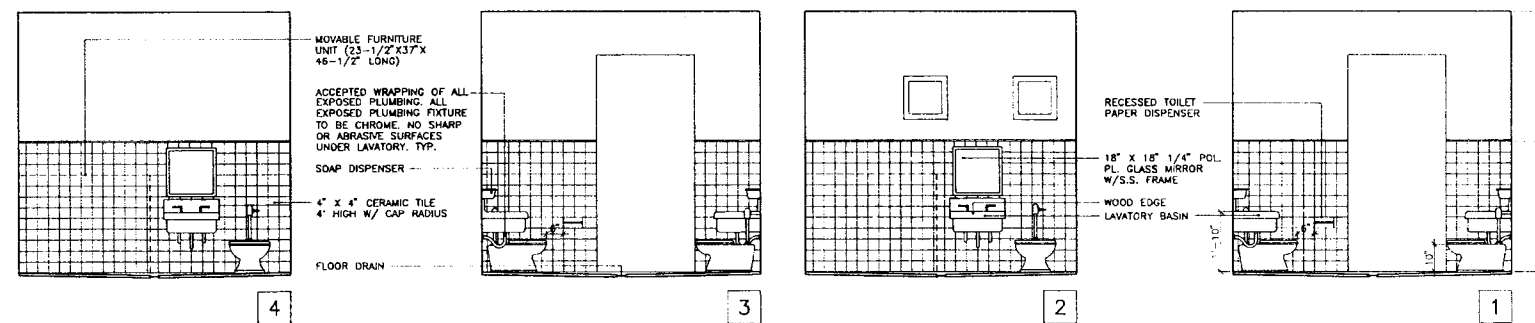
TEACHERS' RESTROOM  
ROOM 128, HANDICAP ACCESSIBLE (5)



BUS DRIVERS' RESTROOM  
ROOM 133, HANDICAP ACCESSIBLE (2)



TYPICAL CHILDREN RESTROOM  
ROOM 121 & 126, ROOM 122 REVERSED (3)

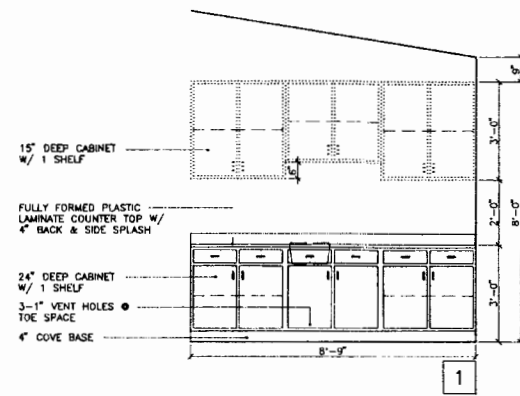


INFANT/TODDLER RESTROOM  
ROOM 110 (4)

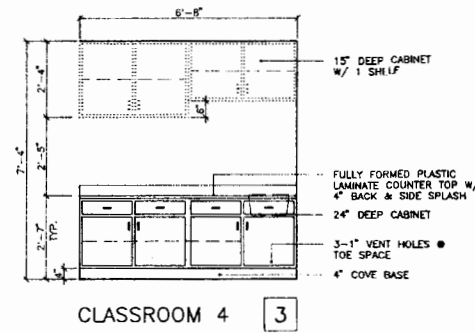
NOTE: ALL CABINETS SHOWN IN ..... ARE NOT IN CONTRACT



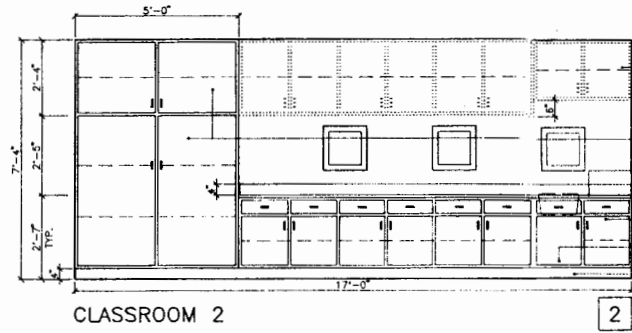




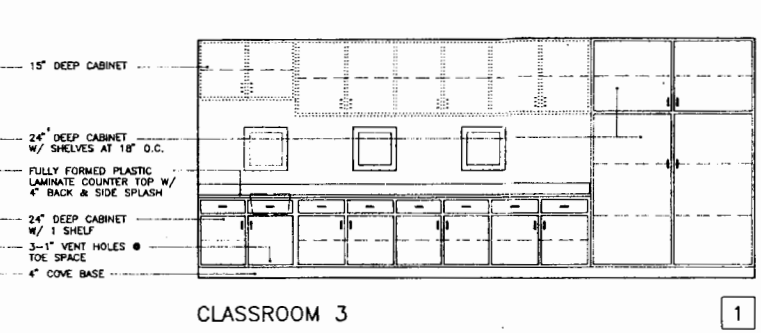
TEACHERS' WORKROOM ROOM 115 (6)



CLASSROOM 4 (3)

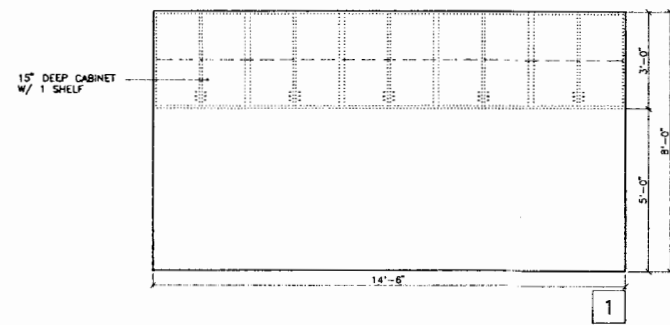


CLASSROOM 2 (2)

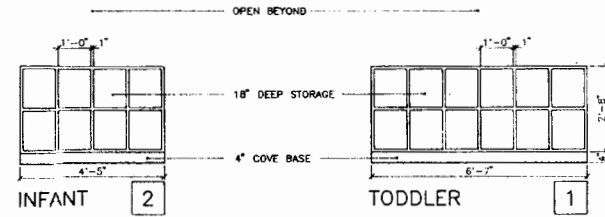


CLASSROOM 3 (1)

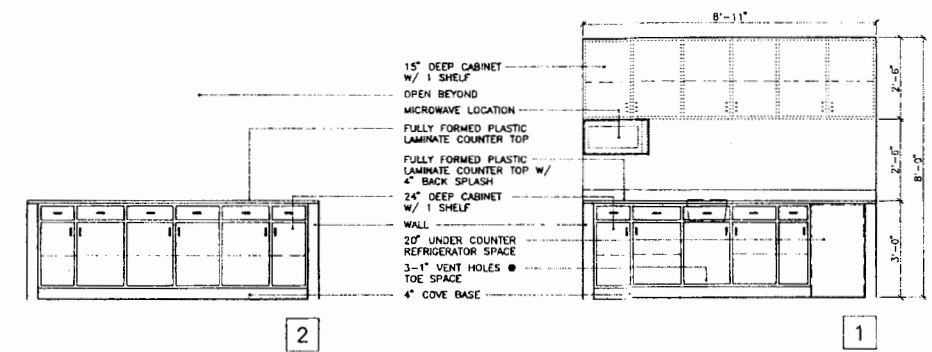
WET AREA CABINET ELEVATIONS ROOM 120, 123 & 125 (1)



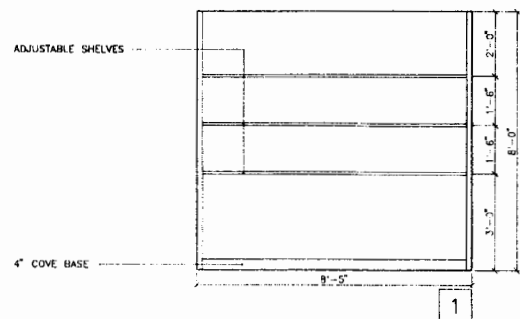
ISOLATION AREA ROOM 105 (7)



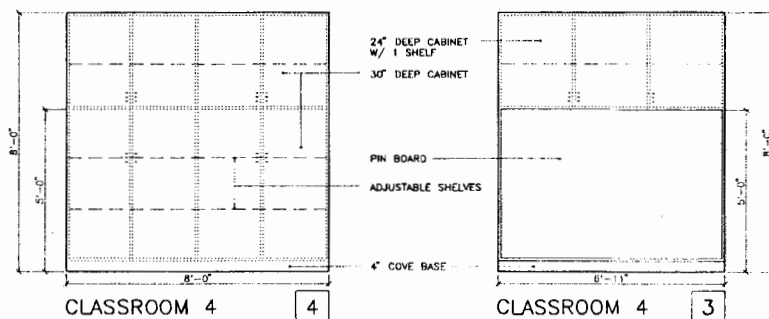
INFANT/TODDLER CUBBIES ELEVATIONS ROOM 108 (3)



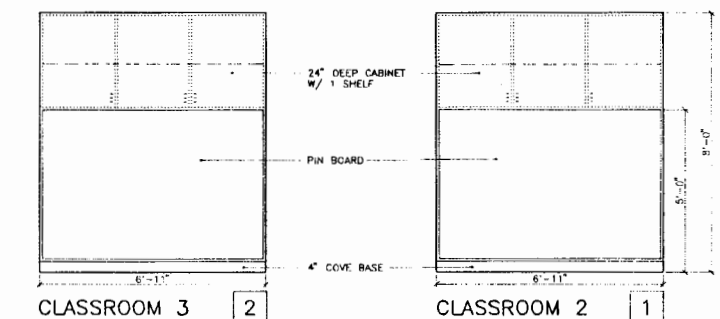
INFANT/TODDLER CABINET ELEVATIONS ROOM 108 (2)



STORAGE ROOM ROOM 113 (8)

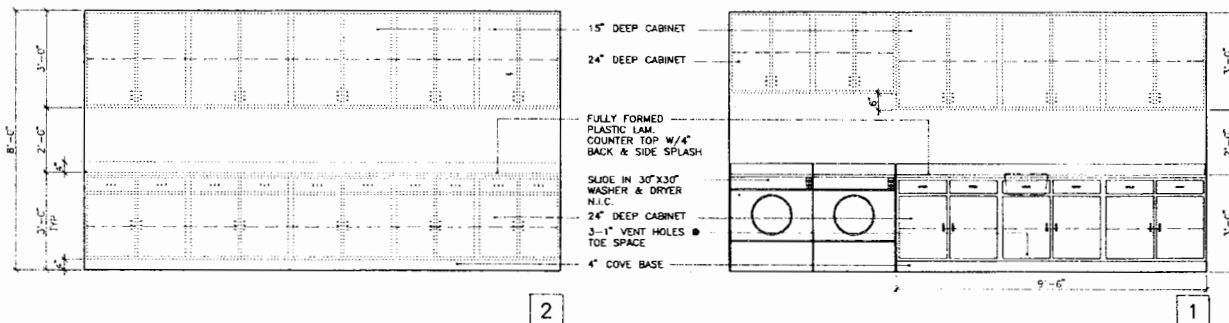


CLASSROOM 4 (4) CLASSROOM 4 (3)

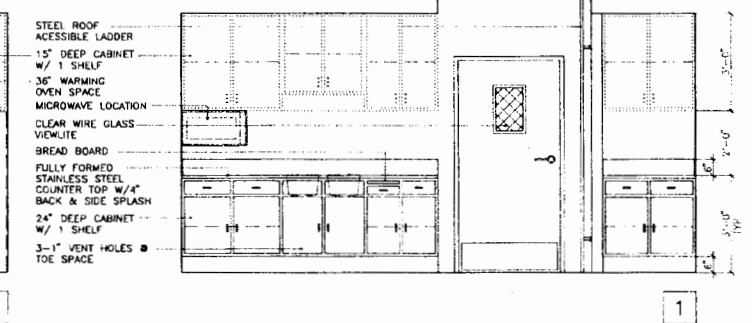
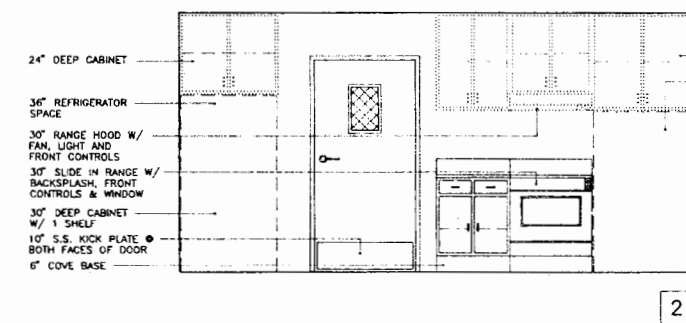


CLASSROOM 3 (2) CLASSROOM 2 (1)

CABINET ELEVATIONS ROOM 117, 118 & 119 (4)



LAUNDRY ROOM ROOM 106 (9)



KITCHEN ROOM 116 (5)

NOTE: ALL CABINETS SHOWN IN ARE NOT IN CONTRACT

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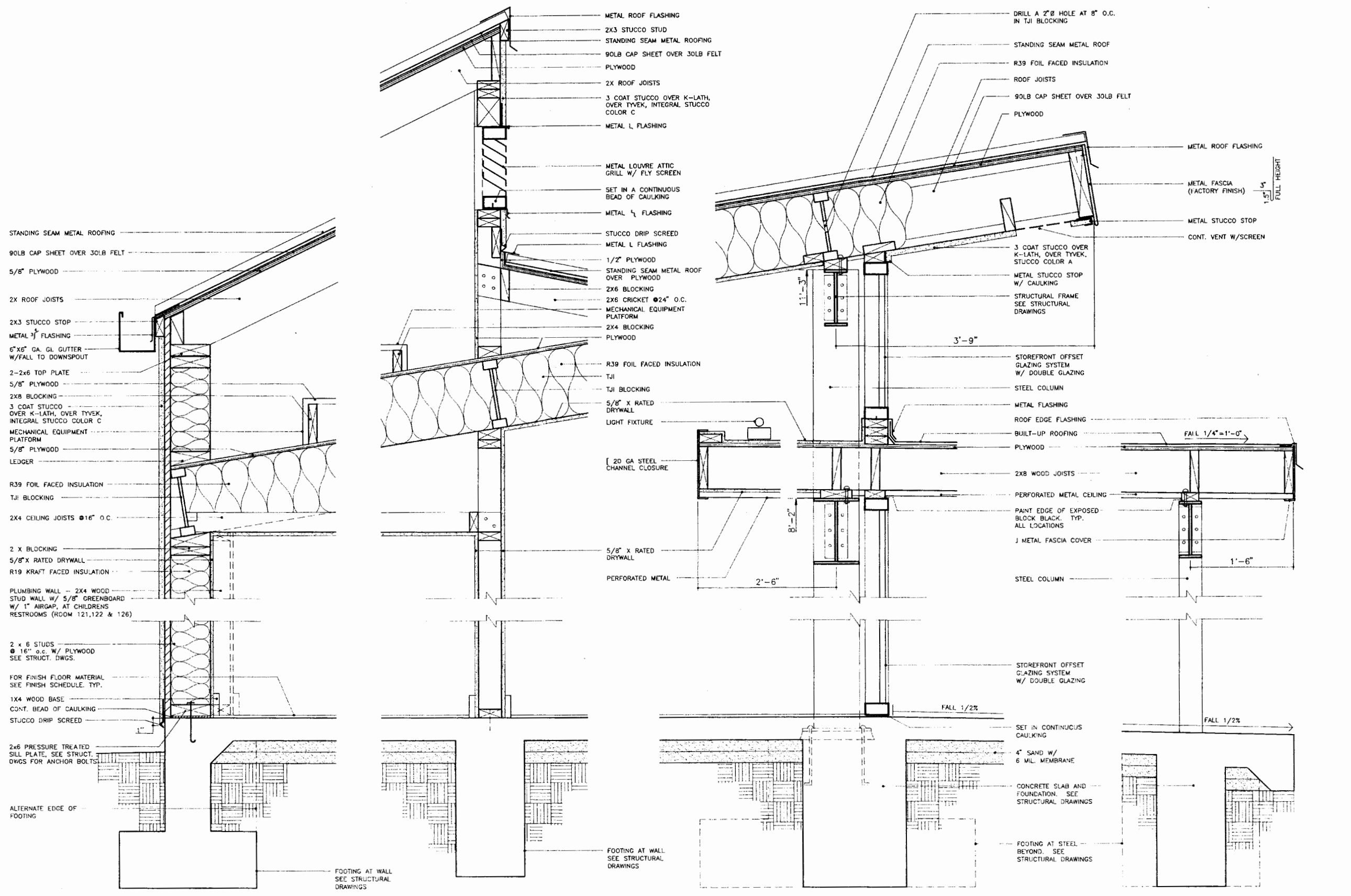
CABINET ELEVATIONS  
SCALE 3/8"=1'-0" DATE 04.13.95

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SHEET 16 OF 62



REV.	DATE	BY	APP.



EXTERIOR WALL  
 CLASSROOM 2 & 3  
 ROOM 117 & 118

④

INTERIOR WALL  
 CLASSROOM 2 & 3  
 ROOM 117 & 118

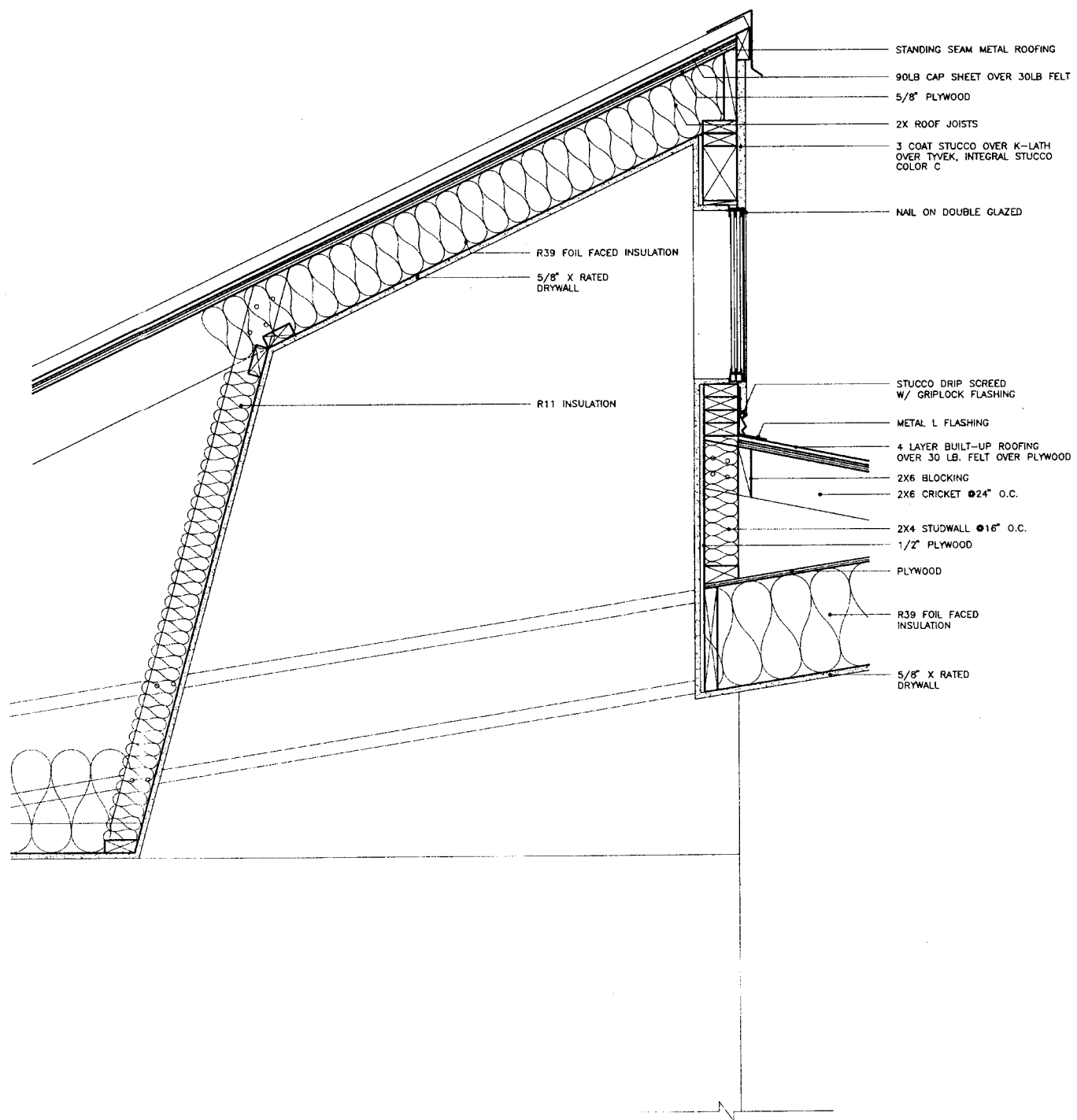
③

EXTERIOR WALL AT COURTYARD  
 CLASSROOM 2 & 3  
 ROOM 117 & 118

②

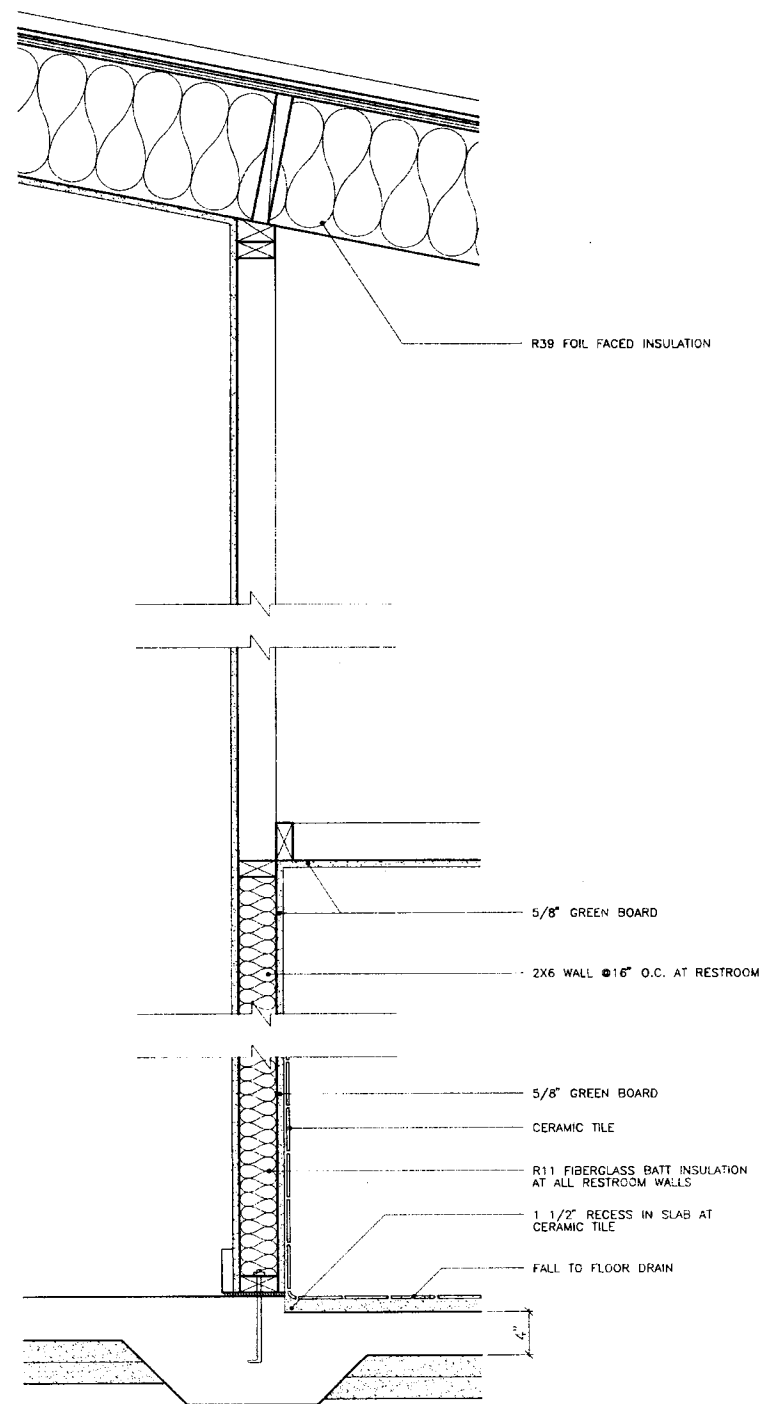
COLONNADE AT COURTYARD  
 CLASSROOM 2 & 3  
 ROOM 117 & 118

①



INTERIOR WALL AT CLERESTORY  
 CLASSROOM 2 & 3  
 ROOM 117 & 118

2



INTERIOR WALL  
 INFANT/TODDLER CLASSROOM  
 ROOM 108

1

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REV.	DATE	BY	APP.

WALL SECTIONS

SCALE 1/2"=1'-0" DATE 04.13.95

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FOR ADDITIONAL NOTES  
 SEE A16

SHEET 15 OF 62

4/15/95

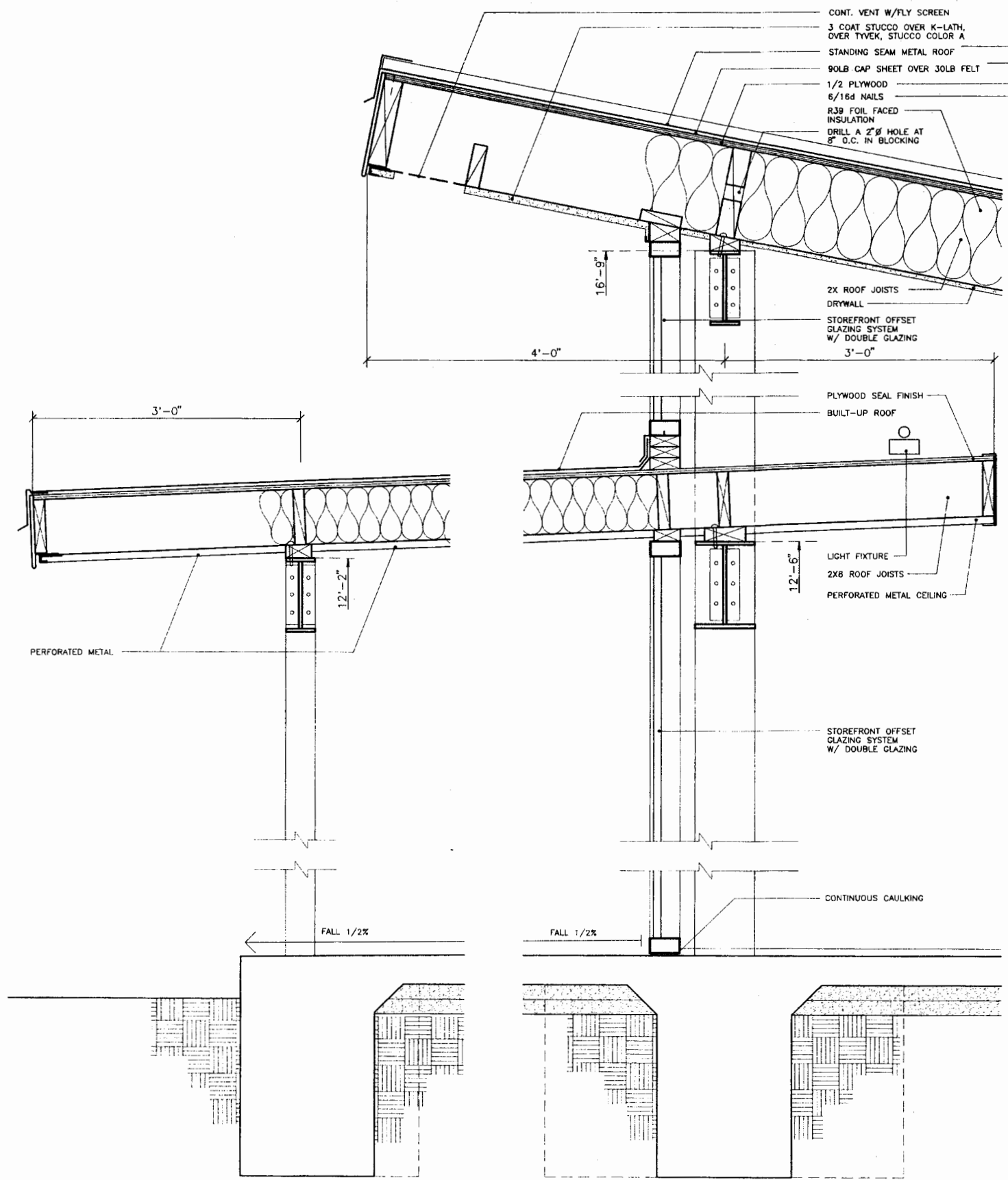


REV.	DATE	BY	APP.

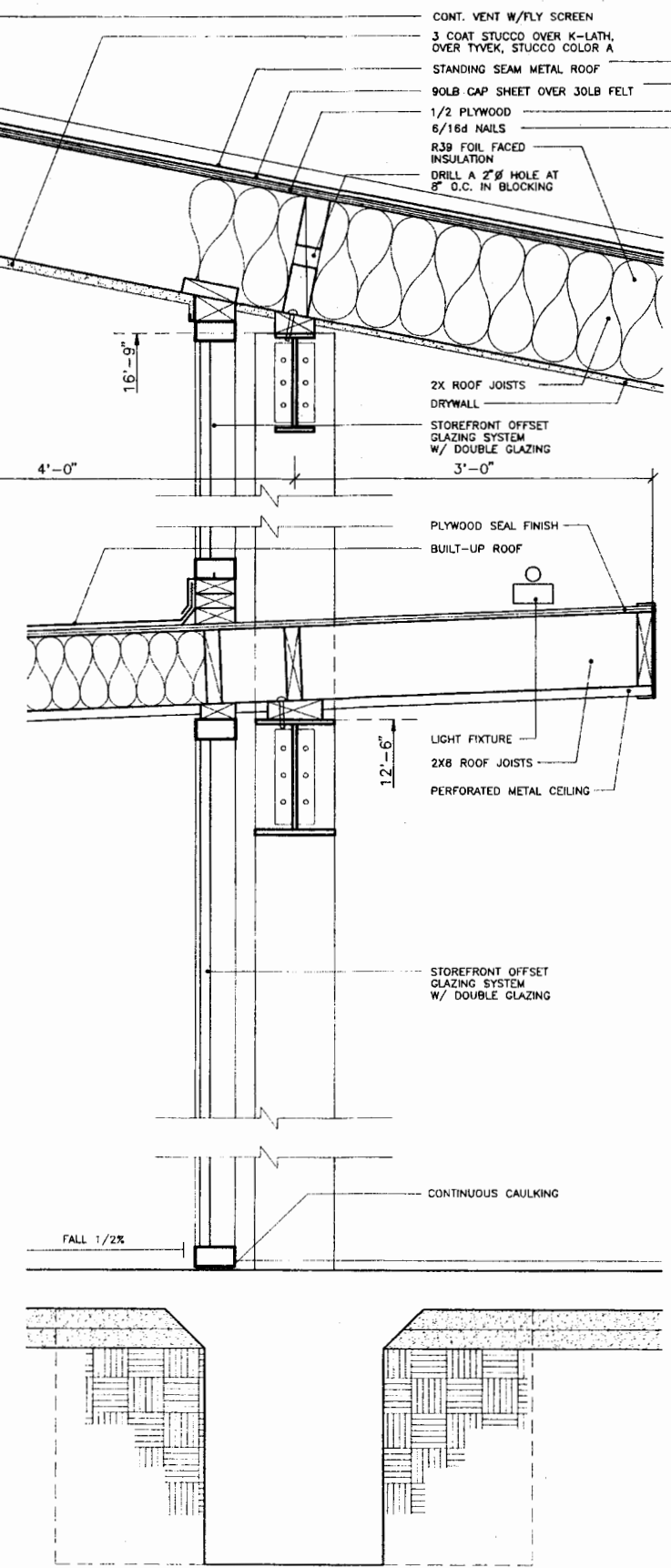
WALL SECTIONS  
 SCALE 1/2"=1'-0" DATE 04.13.95  
 41415 CONSULT FOR BLDG

A18

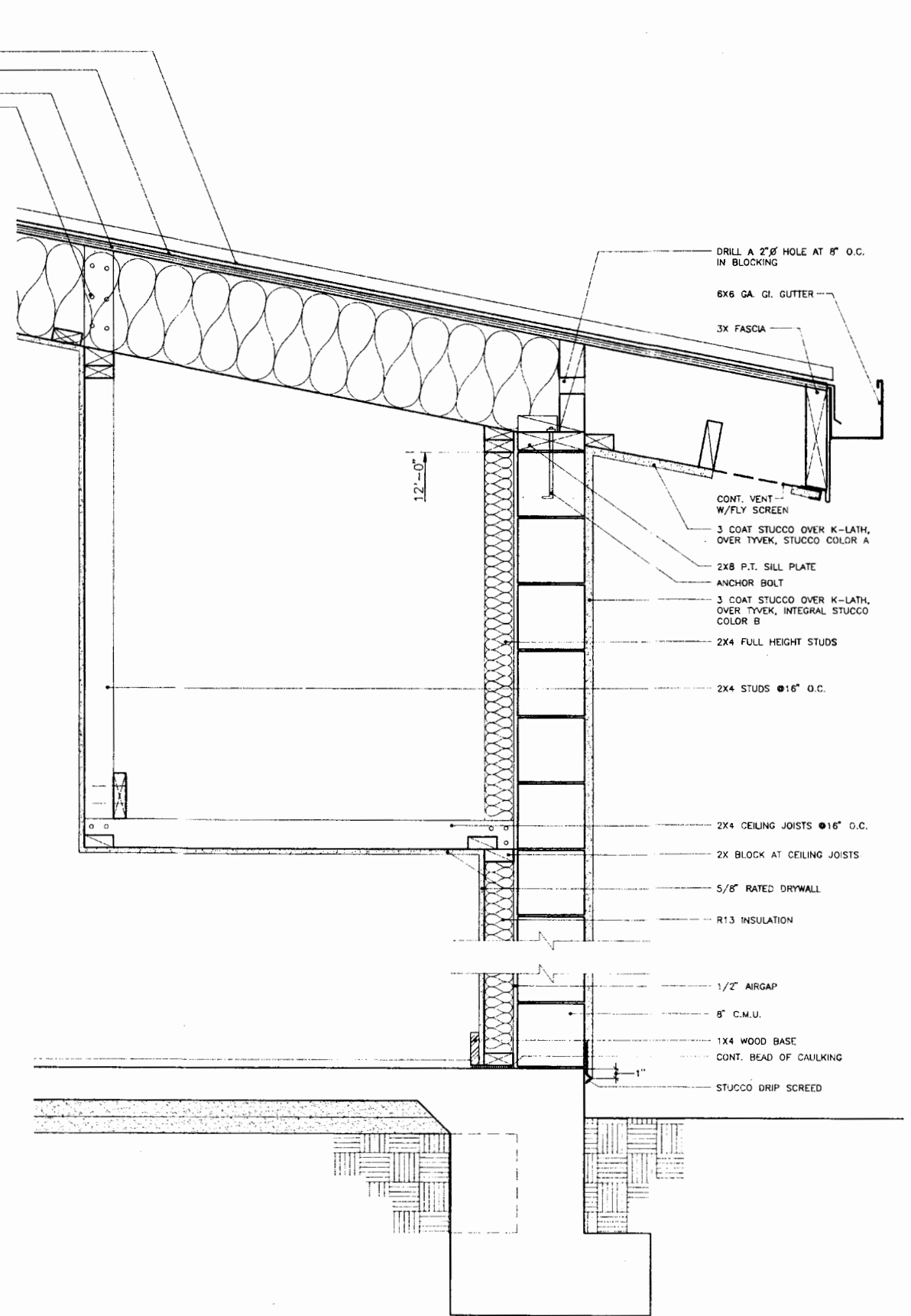
SHEET 19 OF 62



EXTERIOR WALL AT COURTYARD  
 INFANT/TODDLER CLASSROOM  
 ROOM 108 ③

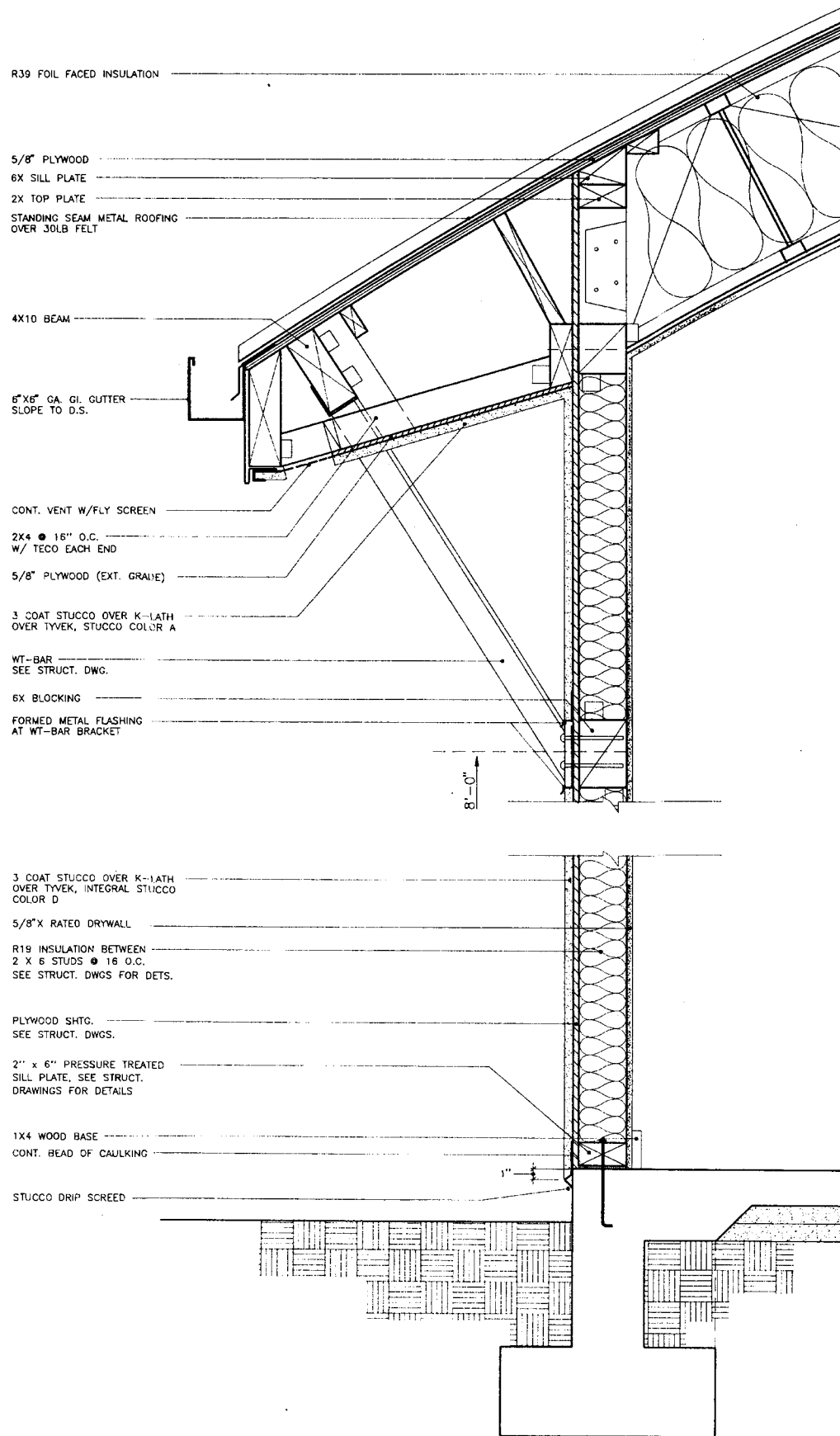


INTERIOR WALL AT CORRIDOR  
 INFANT/TODDLER CLASSROOM  
 ROOM 108 ②



EXTERIOR WALL AT STREET  
 INFANT/TODDLER CLASSROOM  
 ROOM 108 ①

FOR ADDITIONAL NOTES  
 SEE A16



R39 FOIL FACED INSULATION

5/8" PLYWOOD  
6X SILL PLATE  
2X TOP PLATE

STANDING SEAM METAL ROOFING  
OVER 30LB FELT

4X10 BEAM

6"x6" GA. GL. GUTTER  
SLOPE TO D.S.

CONT. VENT W/FLY SCREEN  
2X4 @ 16" O.C.  
W/ TECO EACH END

5/8" PLYWOOD (EXT. GRADE)

3 COAT STUCCO OVER K-LATH  
OVER TYVEK, STUCCO COLOR A

WT-BAR  
SEE STRUCT. DWG.

6X BLOCKING

FORMED METAL FLASHING  
AT WT-BAR BRACKET

3 COAT STUCCO OVER K-LATH  
OVER TYVEK, INTEGRAL STUCCO  
COLOR D

5/8" X RATED DRYWALL

R19 INSULATION BETWEEN  
2 X 6 STUDS @ 16" O.C.  
SEE STRUCT. DWGS FOR DETS.

PLYWOOD SHTG.  
SEE STRUCT. DWGS.

2" x 6" PRESSURE TREATED  
SILL PLATE, SEE STRUCT.  
DRAWINGS FOR DETAILS

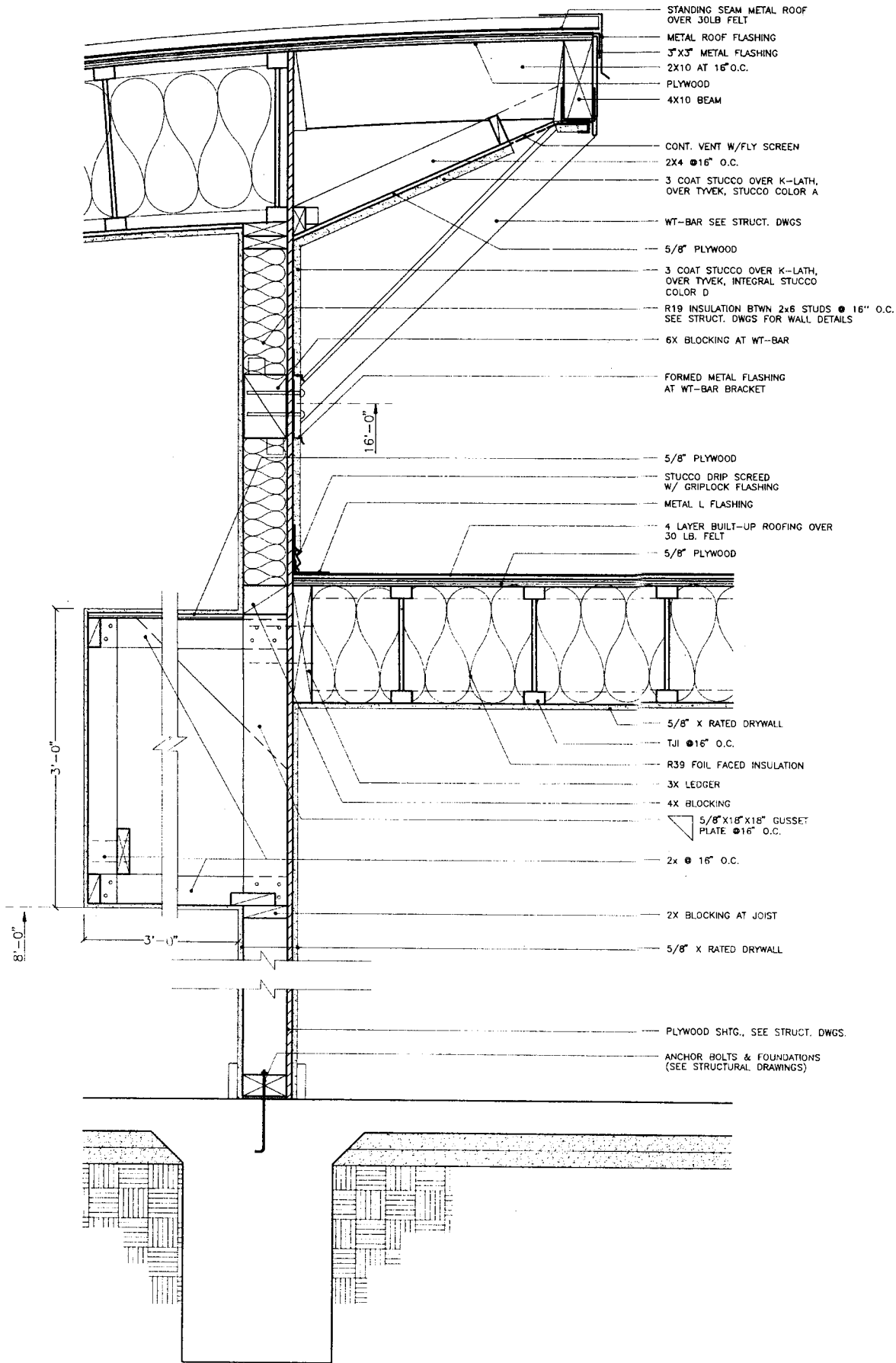
1X4 WOOD BASE

CONT. BEAD OF CAULKING

STUCCO DRIP SCREED

EXTERIOR WALL  
CLASSROOM 4  
ROOM 119

2



STANDING SEAM METAL ROOF  
OVER 30LB FELT  
METAL ROOF FLASHING  
3"x3" METAL FLASHING  
2X10 AT 16" O.C.  
PLYWOOD  
4X10 BEAM

CONT. VENT W/FLY SCREEN  
2X4 @ 16" O.C.

3 COAT STUCCO OVER K-LATH,  
OVER TYVEK, STUCCO COLOR A

WT-BAR SEE STRUCT. DWGS

5/8" PLYWOOD

3 COAT STUCCO OVER K-LATH,  
OVER TYVEK, INTEGRAL STUCCO  
COLOR D

R19 INSULATION BTWN 2x6 STUDS @ 16" O.C.  
SEE STRUCT. DWGS FOR WALL DETAILS

6X BLOCKING AT WT-BAR

FORMED METAL FLASHING  
AT WT-BAR BRACKET

5/8" PLYWOOD

STUCCO DRIP SCREED  
W/ GRIPLOCK FLASHING

METAL L FLASHING

4 LAYER BUILT-UP ROOFING OVER  
30 LB. FELT

5/8" PLYWOOD

5/8" X RATED DRYWALL

TJI @ 16" O.C.

R39 FOIL FACED INSULATION

3X LEDGER

4X BLOCKING

5/8"x18"x18" GUSSET  
PLATE @ 16" O.C.

2x @ 16" O.C.

2X BLOCKING AT JOIST

5/8" X RATED DRYWALL

PLYWOOD SHTG., SEE STRUCT. DWGS.

ANCHOR BOLTS & FOUNDATIONS  
(SEE STRUCTURAL DRAWINGS)

INTERIOR WALL  
CLASSROOM 4  
ROOM 119

1

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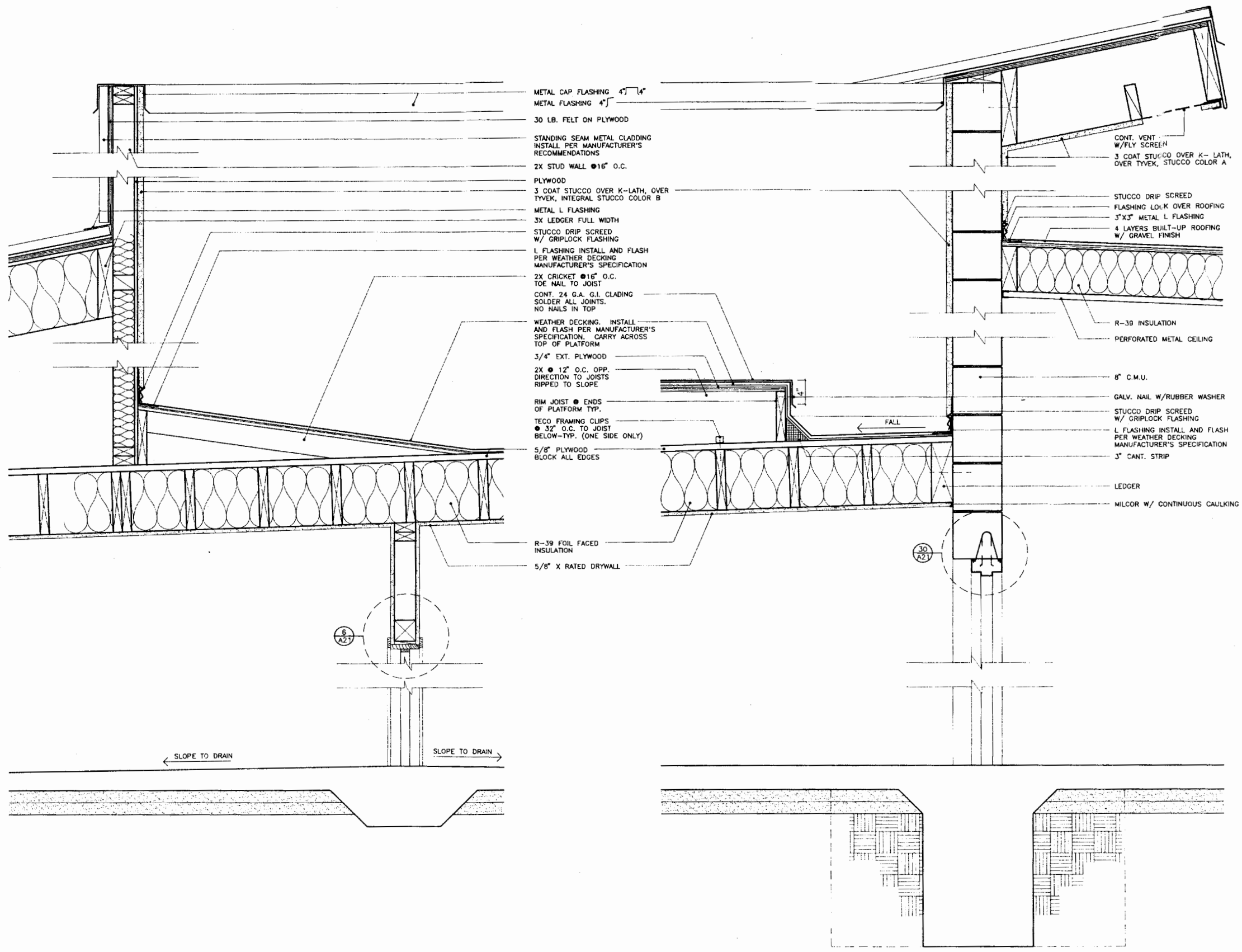
REV.	DATE	BY	APP.

WALL SECTIONS  
SCALE 1/2"=1'-0" DATE 04.13.95

A19

FOR ADDITIONAL NOTES  
SEE A16

SHEET 20 OF 62



INTERIOR WALL  
 LAUNDRY ROOM & JANITOR ROOM  
 ROOM 106 & 111

EXTERIOR WALL AT CORRIDOR  
 LAUNDRY ROOM  
 ROOM 106

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WALL SECTIONS

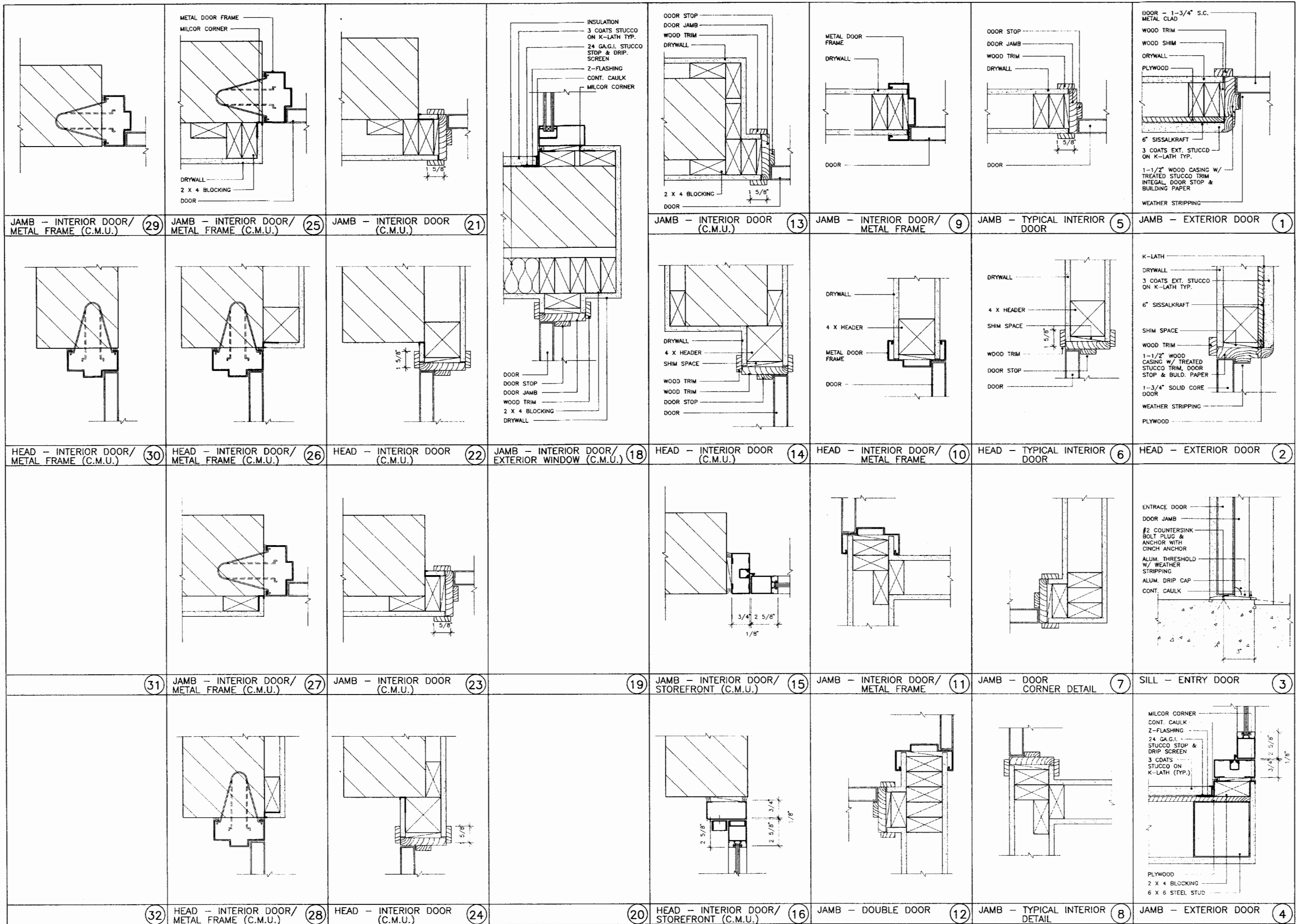
SCALE 1 1/2" = 1'-0" DATE 04.13.95

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FOR ADDITIONAL NOTES  
 SEE A16

Sheet 2 of 62

dlp/hg



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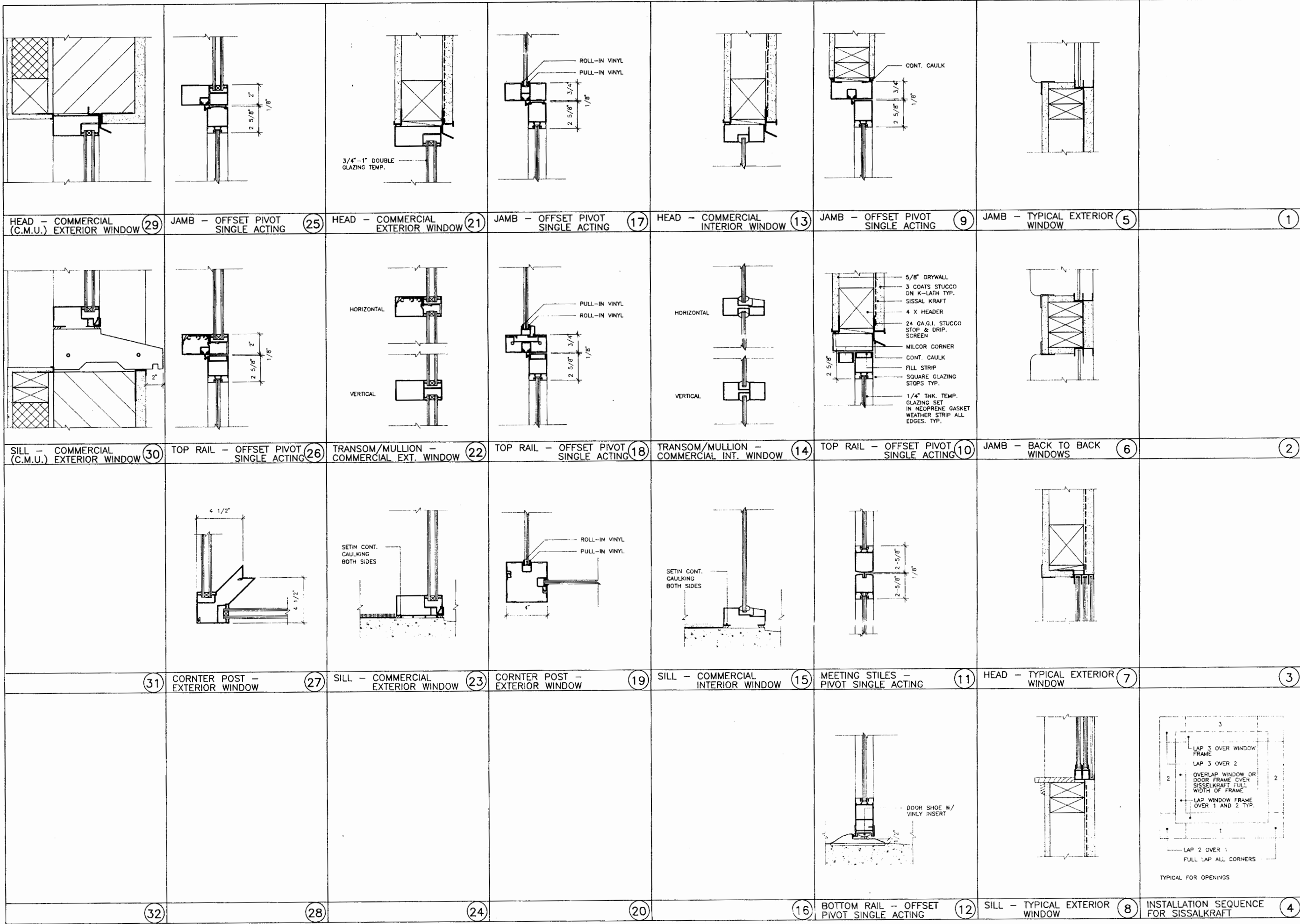


REV.	DATE	BY	APP.

SCALE 3"=1'-0" DATE 04.13.95

**A21**

SHEET 22 OF 52



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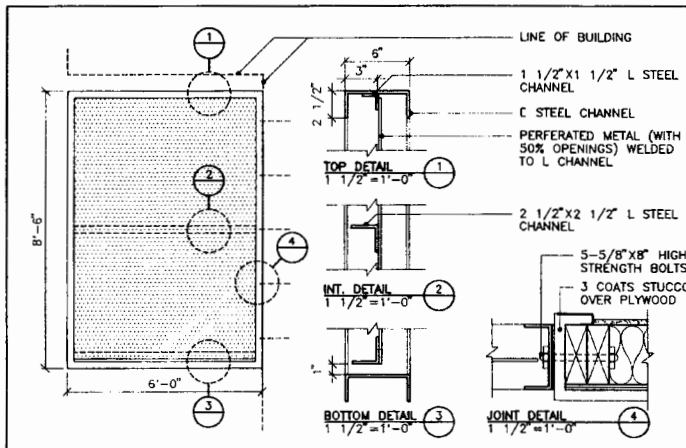
**DOOR & WINDOW  
 DETAILS**  
 SCALE 3/8"=1'-0" DATE 04.13.95

**A22**

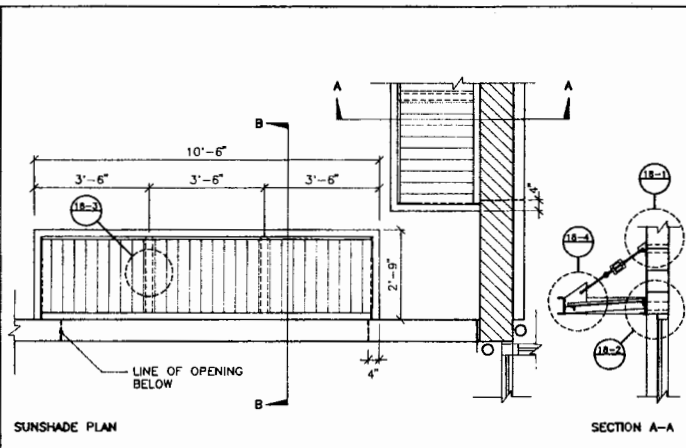
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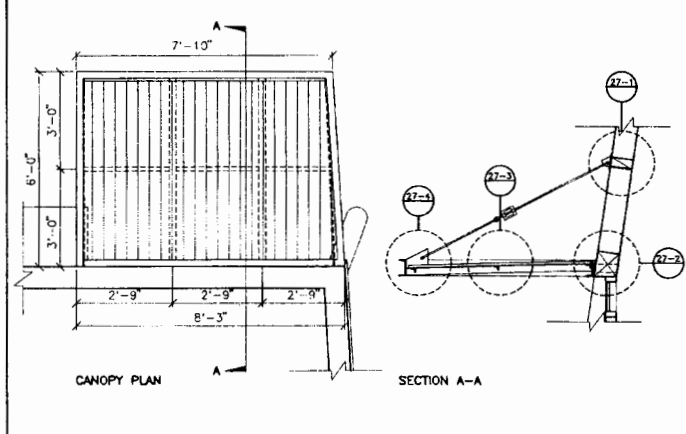




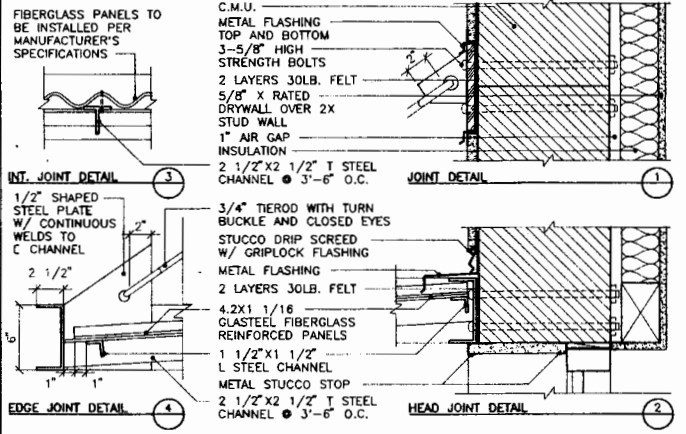
VERTICAL SUNSHADE DETAILS  
SCALE 3/8" = 1'-0" (25)



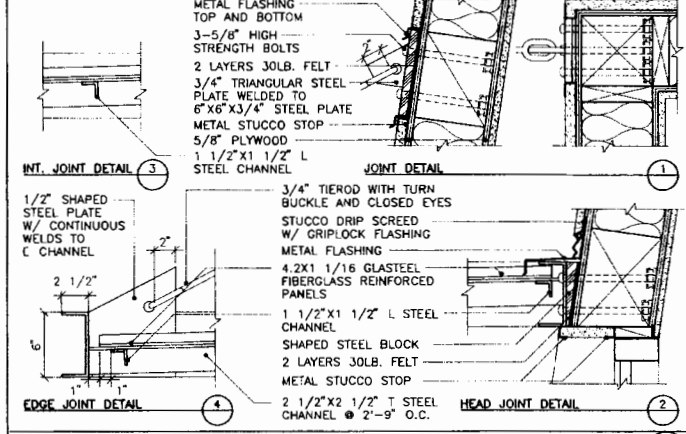
SUNSHADE CANOPY PLAN/SECTION  
SCALE 3/8" = 1'-0" (17)



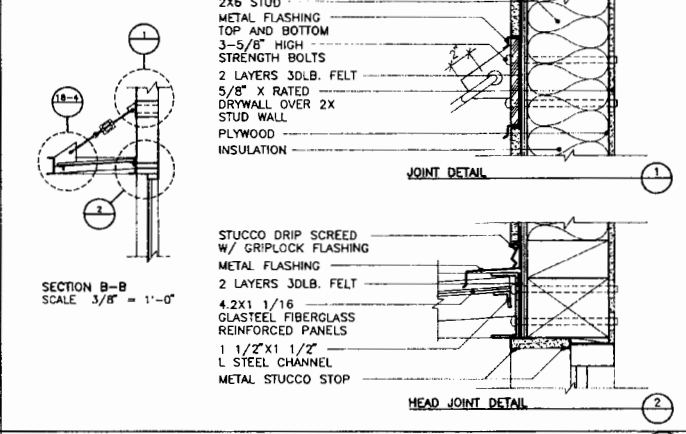
ENTRY CANOPY PLAN/SECTION  
SCALE 3/8" = 1'-0" (26)



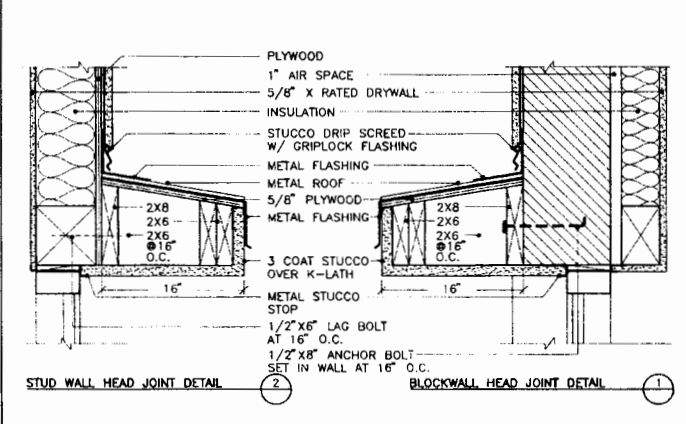
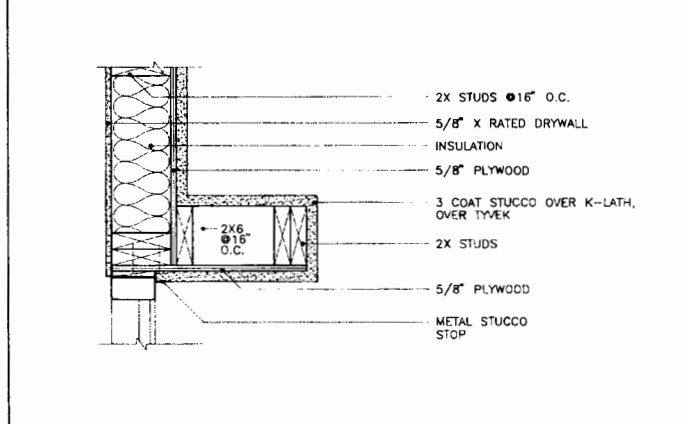
SUNSHADE CANOPY DETAILS  
SCALE 1 1/2" = 1'-0" (18)



ENTRY CANOPY DETAILS  
SCALE 1 1/2" = 1'-0" (27)



SUNSHADE CANOPY DETAILS  
SCALE 1 1/2" = 1'-0" (19)



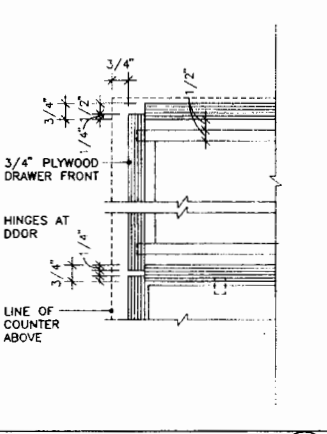
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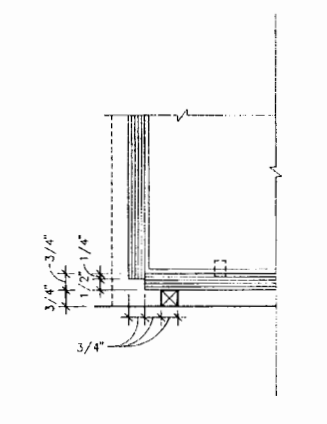
CABINET PLAN - FRONT DETAIL AT WALL (16)



CABINET PLAN - BACK DETAIL AT WALL (12)



CABINET PLAN - FRONT DETAIL (15)



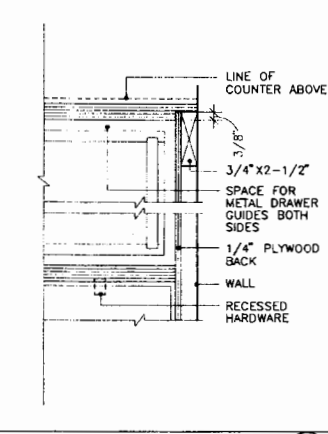
CABINET PLAN - BACK DETAIL (11)



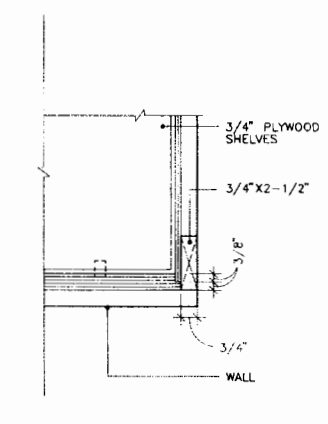
CABINET PLAN - FRONT OF COUNTER TOP (7)



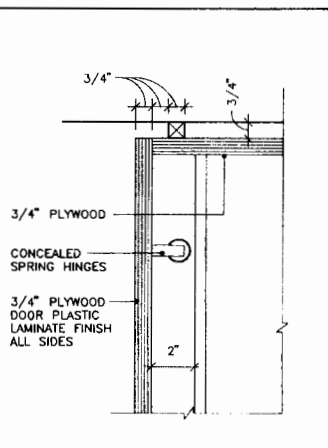
CABINET PLAN - BACK OF COUNTER TOP (3)



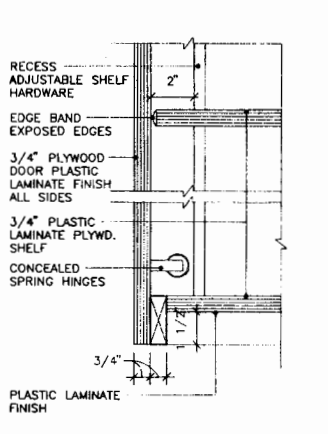
CABINET PLAN - FRONT OF BASE DETAIL (8)



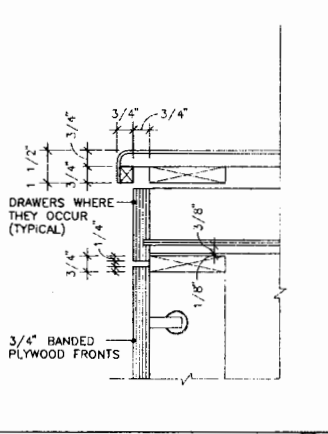
CABINET PLAN - BACK OF BASE DETAIL (4)



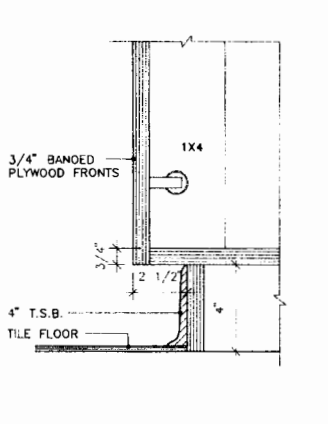
UPPER CABINET - FRONT OF TOP DETAIL (5)



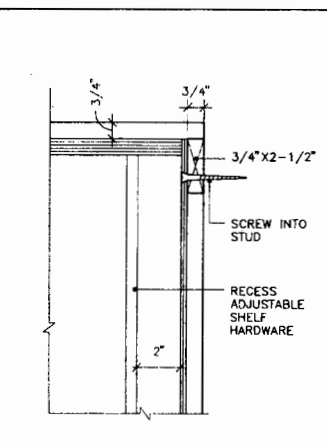
UPPER CABINET - BACK OF TOP DETAIL (1)



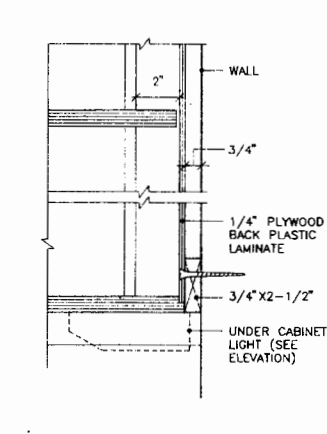
UPPER CABINET - FRONT OF BOTTOM DETAIL (6)



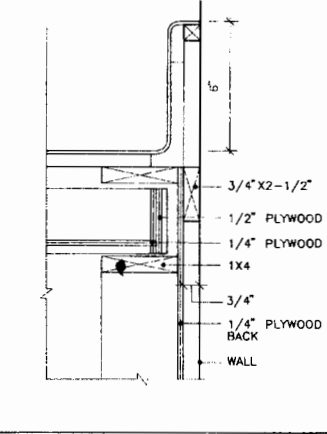
UPPER CABINET - BACK OF BOTTOM DETAIL (2)



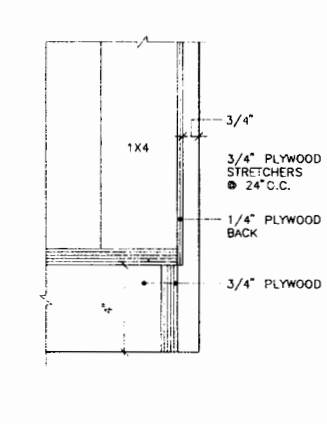
UPPER CABINET - FRONT OF COUNTER TOP (7)



UPPER CABINET - BACK OF COUNTER TOP (3)



UPPER CABINET - FRONT OF BASE DETAIL (8)



UPPER CABINET - BACK OF BASE DETAIL (4)

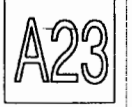
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CABINET & AWNING DETAILS  
SCALE 3/8" = 1'-0" DATE 04.13.95



SHEET 24 OF 62

29	25	21	17	EXPANSION CONTROL JOINT - BLOCK AT WOOD SCALE 3" = 1'-0"	9	ROOF DRAIN DETAIL SCALE 1 1/2" = 1'-0"
30	26	22	18		10	PARAPET CAP DETAIL SCALE 1 1/2" = 1'-0"
31	27	23	19		11	
32	28	24	20		12	WROUGHT IRON FENCE SCALE 3/8" = 1'-0"

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REV.	DATE	BY	APP.

**MISCELLANEOUS DETAILS**  
 SCALE AS NOTED DATE 04.13.95

**A24**

SHEET 25 OF 62

4/15/95

# STRUCTURAL NOTES

## 32. STRUCTURAL STEEL:

- A. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS CURRENT EDITION. ALL STEEL SHALL CONFORM TO ASTM A36, BOLTS TO A307.
- B. ALL WELDING SHALL PERFORMED BY CERTIFIED WELDERS USING THE ELECTRIC SHIELDED ARC PROCESS. CONTINUOUS INSPECTION BY A REGISTERED DEPUTY BUILDING INSPECTOR REQUIRED FOR ALL FIELD WELDING. E70XX ELECTRODES SHALL BE USED FOR ALL WELDING.
- C. TUBE COLUMNS SHALL CONFORM TO ASTM A500, GRADE B. PIPE COLUMNS SHALL CONFORM TO ASTM A53, GRADE B.
- D. LICENSED FABRICATOR REQUIRED FOR STRUCTURAL STEEL, TO BE APPROVED BY CITY OF SAN FERNANDO.
- E. FIELD WELDING REQUIRES CONTINUOUS INSPECTION BY LA LICENSED DEPUTY INSPECTOR.
- F. ALL FULL PENETRATION WELDS OF A BOTTOM BEAM FLANGE TO A COLUMN, AFTER THE FULL PENETRATION WELD IS COMPLETED, THE BACK UP BAR SHALL BE REMOVED, THE BOTTOM OF THE WELD GOUGED OUT AND FILLED IN WITH A COMPLETE PENETRATION GROOVE WELD.
- G. BACK UP BARS ON THE BOTTOM BEAM FLANGES ARE TO BE REMOVED.

1. FOUNDATION DESIGN IS BASED ON SOIL INVESTIGATION REPORTS PREPARED BY: PACIFIC SOILS ENGINEERING, INC. AND ENVIRO-RAIL SOIL SAMPLING AND ANALYSIS PRELIMINARY GEOTECHNICAL INVESTIGATION JUNE 6, 1994 PROJECT NO. 924W325A SEPTEMBER 12, 1990 JUNE 6, 1994
2. SOIL COMPACTION REPORT AND FOUNDATION FOOTING INSPECTION REPORT BY THE SOIL ENGINEER SHALL BE REQUIRED AND PROVIDED TO THE BUILDING INSPECTOR AT THE JOB SITE PRIOR TO THE PLACEMENT OF CONCRETE IN THE FOOTINGS.
3. MAXIMUM DL-ALL SOIL BEARING VALUE USED IN DESIGN IS 2000 PSF FOR FOOTINGS AT 18" MINIMUM BELOW LOWEST ADJACENT GRADE AT EXTERIOR FOOTINGS AND 18" MIN. FROM TOP OF SLAB AT ALL INTERIOR FOOTINGS.
4. PRIOR TO THE POURING OF CONCRETE, A REPRESENTATIVE OF THE CONSULTING FOUNDATION ENGINEER SHALL INSPECT AND APPROVE THE FOOTING EXCAVATIONS. HE SHALL POST A NOTICE ON THE JOB SITE FOR THE CITY BUILDING INSPECTOR AND THE CONTRACTOR STATING THAT THE WORK SO INSPECTED MEETS THE CONDITIONS OF THE REPORT, BUT THAT NO CONCRETE SHALL BE POURED UNTIL THE CITY BUILDING INSPECTOR HAS ALSO INSPECTED AND APPROVED THE FOOTING EXCAVATIONS. A WRITTEN CERTIFICATION TO THIS EFFECT SHALL BE FILED WITH THE CITY UPON COMPLETION OF THE WORK.
5. CONCRETE SHALL BE FROM A LABORATORY DESIGN MIX FOR 2500 PSI FOR FOUNDATIONS, 2500 PSI FOR SLABS, 2000 FOR PATIOS AND WALK AT 28 DAYS. CONTINUOUS INSPECTION IS REQUIRED.
6. CONCRETE COMPRESSIVE STRENGTH REPORTS BY AN APPROVED LABORATORY REQUIRED AT 7 AND 28 DAYS AND SHALL BE PROVIDED TO MTA.
7. PROVIDE EXPANSION JOINTS IN ALL SLAB WITH A 1" DEEP PLASTIC 'I' STRIP OR 1" SAWCUT IN THE SURFACE OF THE SLAB - SEE DRAWINGS FOR LOCATIONS.
8. BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES FOR CORRECT AND COMPLETE PLACEMENT OF SLEEVES, CURBS, CONDUITS, DEPRESSIONS, NOTIFY MTA.
9. CONCRETE BLOCK SHALL BE GRADE "N" CONFORMING TO ASTM C-90 AND SHALL MEET THE REQUIREMENTS OF DIVISION 24 OF THE CITY OF LOS ANGELES BUILDING CODE.
10. MORTAR SHALL BE ONE PART CEMENT, 3 1/2 PART SAND, 1/2 PART LIME PUTTY AND SHALL MEET THE REQUIREMENTS OF DIVISION 24 OF THE CITY OF LOS ANGELES BUILDING CODE.
11. GROUT SHALL BE ONE PART CEMENT, 3 PARTS SAND, 2 PART PEA GRAVEL AND SHALL MEET THE REQUIREMENTS OF DIVISION 24 OF THE CITY OF LOS ANGELES BUILDING CODE.
12. A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS IS REQUIRED FOR MORTAR AND GROUT.
13. ALL HORIZONTAL REINFORCING SHALL BE PLACED IN GROUTED BOND BEAM UNITS. GROUT ALL CELLS IN CONCRETE BLOCKWALLS.
14. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, AND SHALL MEET THE REQUIREMENT OF DIVISION 26 OF THE CITY OF LOS ANGELES BUILDING CODE.
15. REINFORCING STEEL SHALL HAVE A MINIMUM LAP OF 30 DIAMETERS IN CONCRETE, AND 40 DIAMETERS IN MASONRY, UNLESS OTHERWISE SHOWN.
16. FRAMING LUMBER SHALL BE DOUGLAS FIR LARCH. SHALL MEET THE REQUIREMENTS OF THE CITY OF LOS ANGELES BUILDING CODE AND SHALL BE GRADED AS FOLLOWS: (WOOD) 2 X 4 STUDS NON STRUCTURAL WALLS (THOSE SHOWN ON STRUCTURAL DRAWINGS) WEST COAST STUDS (EXCEPT NO MORE THAN 15% UTILITY SHALL BE ALLOWED) 2 X 4 STUDS, BLOCKING, CONSTRUCTION FB = 1050 PSI, 4 X 6 POST NO.2 FB = 1250 PSI, 4 X, 6 X, 8 X, BEAMS - SELECT STRUCTURAL FB = 1600 PSI, 2 X 6, 2 X 8, 2 X 10, JOISTS - NO.1 FB = 1750 PSI.
17. ALL WOOD PLATES IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED, INCLUDING POST BASES. (SOAK POST BASES TO OBTAIN SATURATION).
18. THE CUTTING, NOTCHING AND BORING OF WOOD STUDS SHALL BE IN STRICT ACCORDANCE WITH THE CITY OF LOS ANGELES BUILDING CODE.
19. BORED HOLES IN JOISTS SHALL BE NO GREATER THAN 2" AND SHALL BE LOCATED AT THE TOP OR BOTTOM NEAR SUPPORTS, AND ONLY AT MID HEIGHT OF JOIST IF NEAR MID SPAN.
20. ALL NON BEARING WALLS SHALL BE PROVIDED WITH 7/32" X 3 5/8" POWER DRIVEN FASTENER AT 3'-0" O.C. AND 12 INCHES FROM SILL END.
21. FRAMING CONTRACTOR SHALL PROVIDE ALL THE NECESSARY CODE BLOCKING, NAILERS GROUNDS, ETC., AS REQUIRED EVEN IF NOT SHOWN ON PLANS.
22. ALL PLYWOOD SHALL CONFORM TO PSI-74, DOUGLAS FIR WITH EXTERIOR GLUE GRADE MARKED: STR I OFFA STAMPED
23. SHEAR PANELS  
STRUCTURAL 1 PLYWOOD  
(THICKNESS AND NAILING AS SHOWN ON DRAWINGS).
24. PLYWOOD AND PLYWOOD NAILING AND PLACEMENT TO BE INSPECTED AND APPROVED BY BUILDING INSPECTOR BEFORE COVERING.
25. PLACE PLYWOOD FACE GRAIN PERPENDICULAR TO ROOF JOISTS. MINIMUM PLYWOOD SHEET SIZE SHALL BE 8 SQUARE FEET, MINIMUM WIDTH 2'-0".
26. UNSUPPORTED EDGES SHALL BE BLOCKED SOLID BENEATH SHEAR WALL AND ROOF SHEATHING.
27. NAIL GYPSUM BOARD IN ALL WALLS WITH 6d CEMENT COATED NAILS AT 4" O.C. WITH SOLID BLOCKING REQUIRED AT ALL EDGES.
28. LONG DIMENSION OF GYPSUM BOARD AT CEILING SHALL BE PERPENDICULAR TO JOISTS, AND NAILED AT 7" O.C. WITH #13 GAL. 1 3/8" LONG, 19/64 HEAD OR NUMBER 098 GAL. 1 1/4" LONG ANNULAR RINGED COOLER NAIL.
29. NUMBERS OF NAILS FOR CONNECTING WOOD MEMBERS (GALV. AT ALL EXT. UNCOVERED CONDITIONS)

JOIST TO SILL OR GIRDER - TOE NAIL	2 - 16d
BRIDGING TO JOIST - TOE NAIL	2 - 8d
PLATE TO JOIST OR BLOCKING	16d - 16" O.C.
STUD TO PLATE - END NAIL	2 - 16d
STUD TO PLATE - TOE NAIL	3 - 16d or 4 - 8d
TOP PLATES - SPIKE TOGETHER	16d - 24" O.C.
- LAPS AND INTERSECTIONS	2 - 16d
CEILING JOIST - TO PLATE - TOE NAIL	2 - 16d
- LAPS OVER PARTITIONS	3 - 16d
- TO PARALLEL ALTERNATE RAFTERS	3 - 16d
RAFTERS TO PLATE - TOE NAIL	3 - 16d
RAFTER TO RIDGE	2 - 16d or 3 - 8d
CONTINUOUS - INCH BRACE TO STUDS AND PLATES	3 - 8d
PLYWOOD SHEATHING TO BEARING	SEE NOTES ON DRAWINGS
CORNER STUDS AND ANGLES	16d - 30" O.C.
30. COMMON NAILS ONLY ARE TO BE USED. CONTINUOUS DEPUTY INSPECTION IS REQUIRED.
31. LATH AND PLASTER - MATERIAL SHALL BE EXPANDED METAL, OR WOVEN WIRE LATH AND PORTLAND CEMENT PLASTER, THICKNESS 7/8" MINIMUM, MINIMUM NAIL SIZE NO. 1 GAUGE, 1 1/2" LONG, 7/16" HEAD, MAXIMUM NAIL SPACING 8", ALL AS NOTED IN ITEM 1, TABLE NO. 47-1. LATH FURRING IS TO BE A MINIMUM OF 1/4".

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STRUCTURAL ENGINEER  
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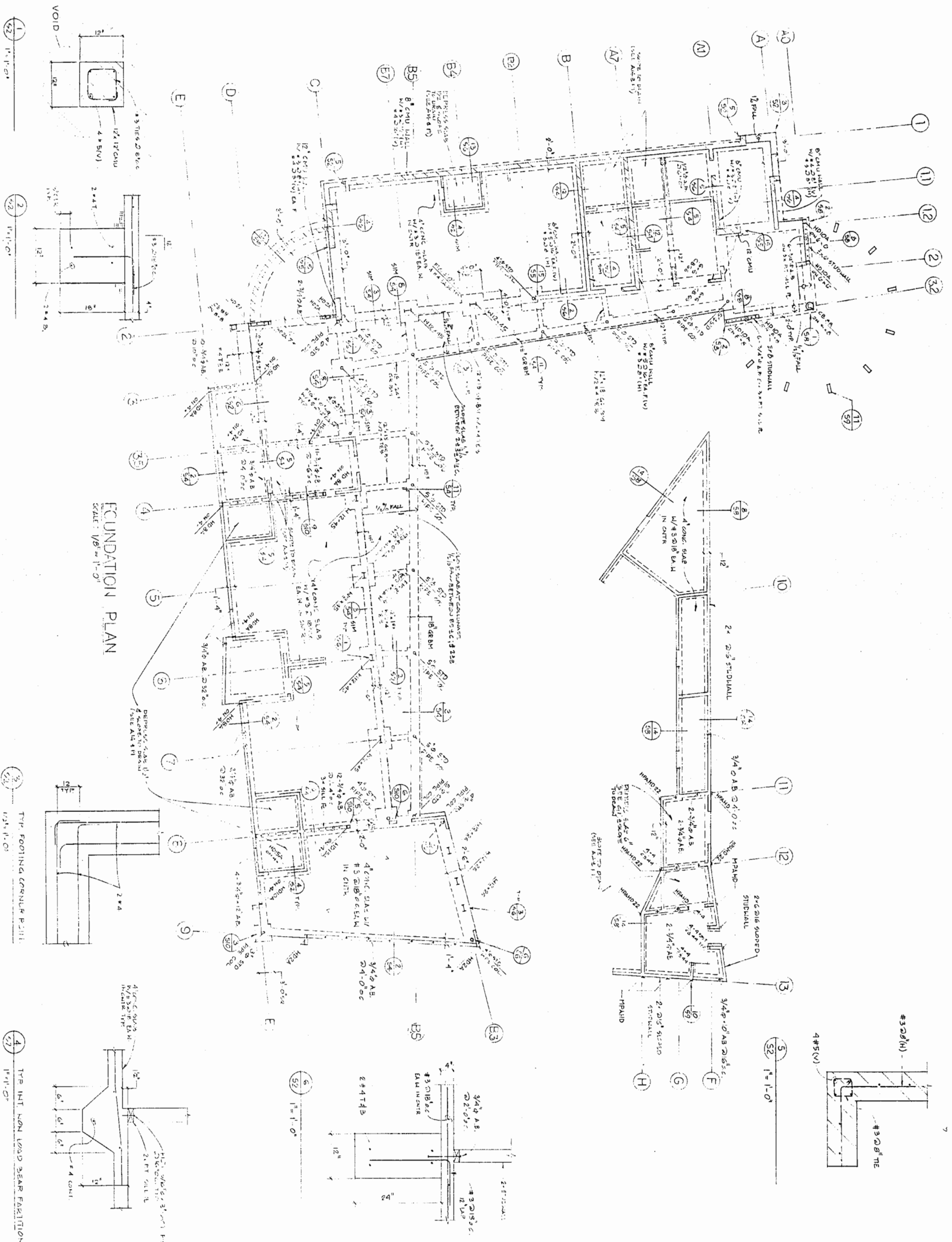
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REV.	DATE	BY	APP.

SCALE 04.13.95

**S1**



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



FOUNDATION PLAN

SCALE 1/8" = 1'-0" DATE 04.13.95

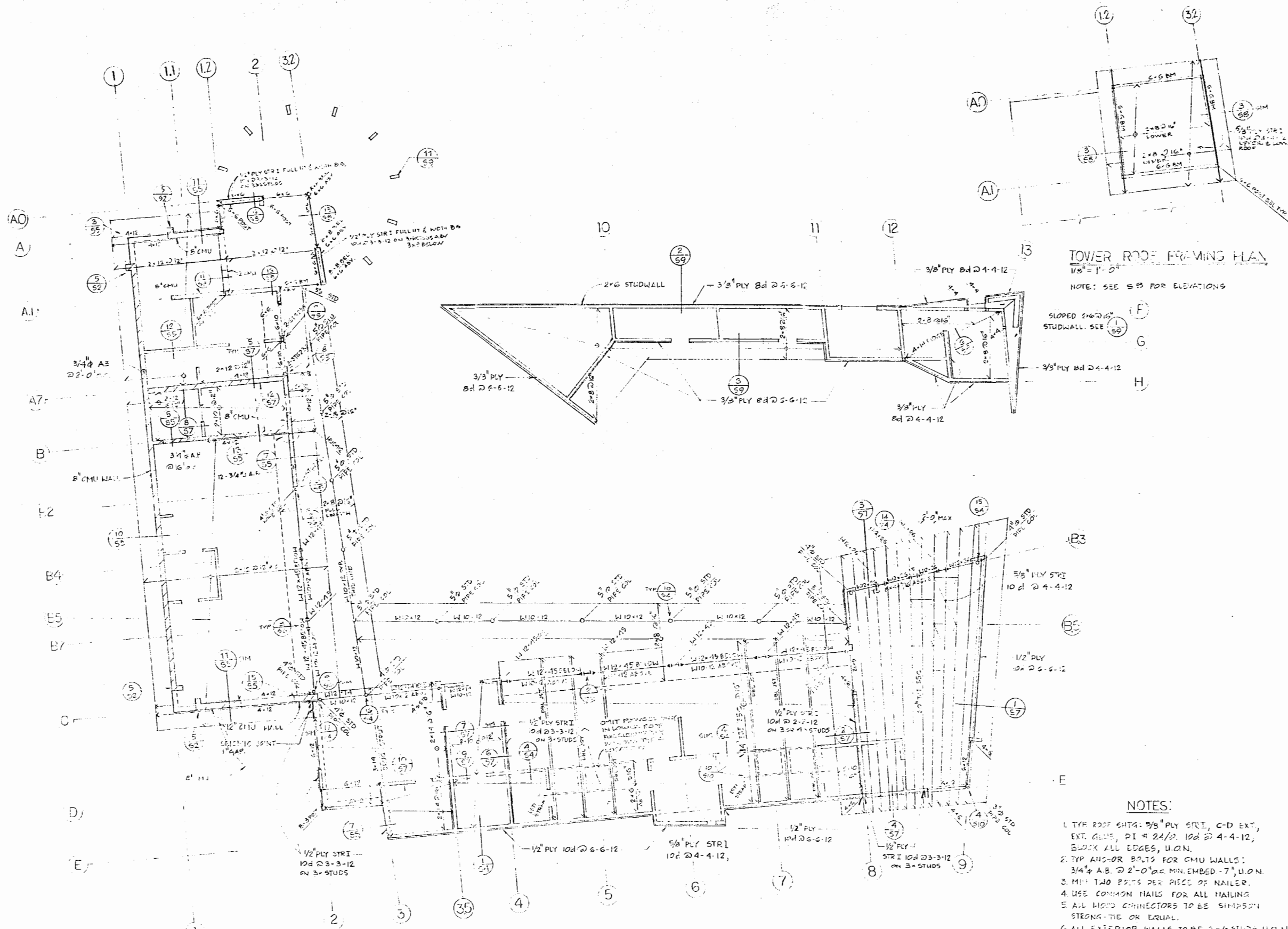
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TOWER ROOF FRAMING PLAN  
1/8" = 1'-0"

NOTE: SEE S-3 FOR ELEVATIONS

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

- NOTES:
1. TYP. ROOF SHEET: 3/8" PLY STRI, C-D EXT, EXT. GUS, PI # 24/12, 10d @ 4-4-12, BLOCK ALL EDGES, U.O.N.
  2. TYP. ANCHOR BOLTS FOR CMU WALLS: 3/4" A.B. @ 2'-0" MIN. EMBED - 7", U.O.N.
  3. MIN. TWO BOLTS PER PIECE OF NAILED.
  4. USE COMMON NAILS FOR ALL NAILING.
  5. ALL WOOD CONNECTORS TO BE SIMPSON STRONG-TIE OR EQUAL.
  6. ALL EXTERIOR WALLS TO BE 2x6 STUDS, U.O.N.

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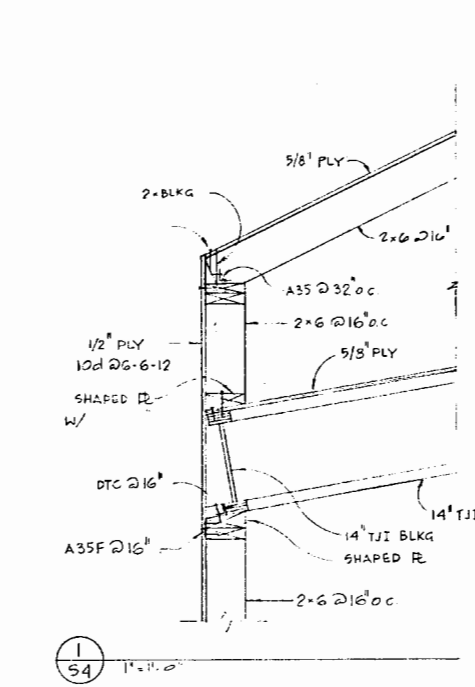
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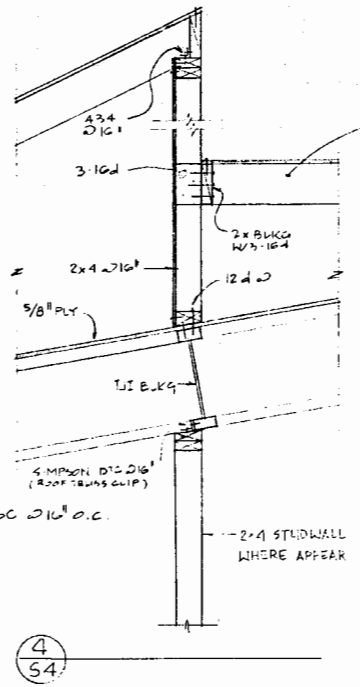
REV.	DATE	BY	APP.

ROOF FRAMING PLAN  
 SCALE 1/8" = 1'-0" DATE 04.13.95

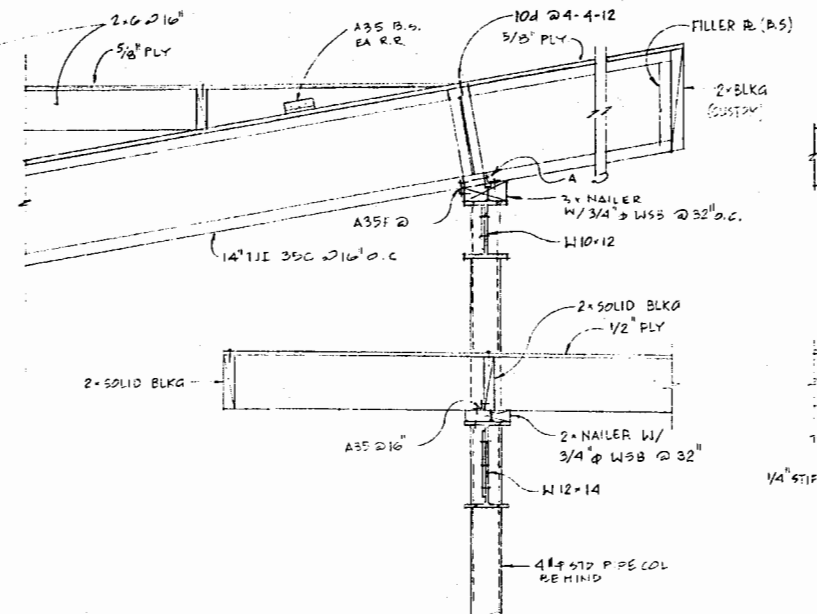




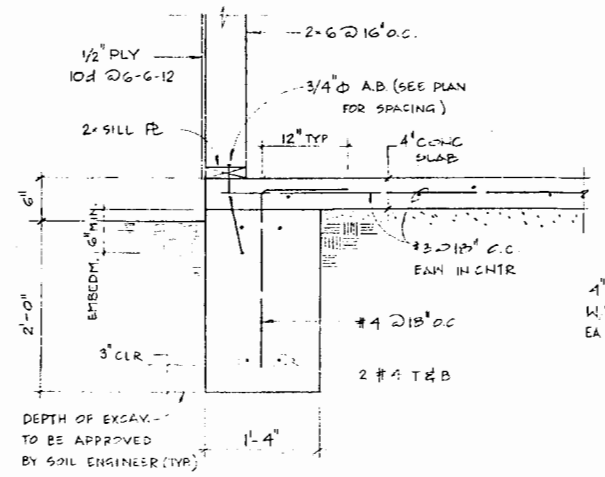
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S4  
1" = 1'-0"



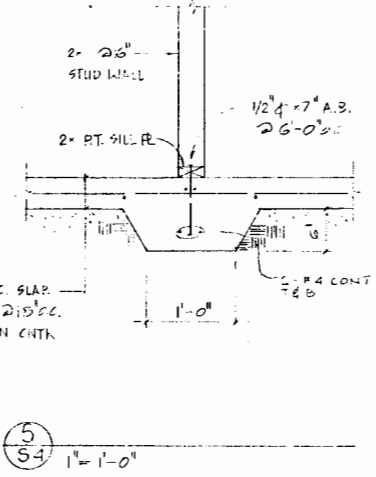
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S4  
1" = 1'-0"



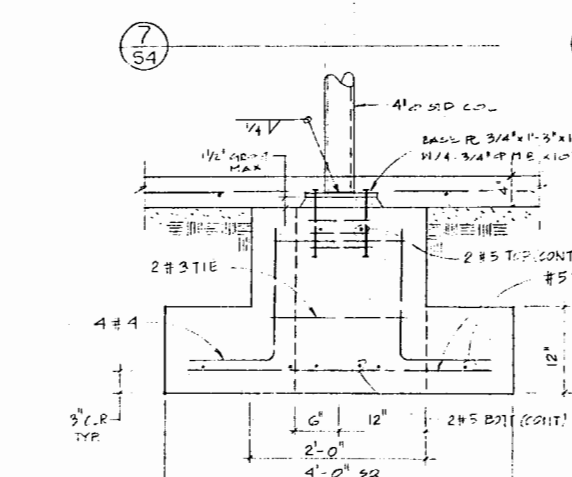
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S4  
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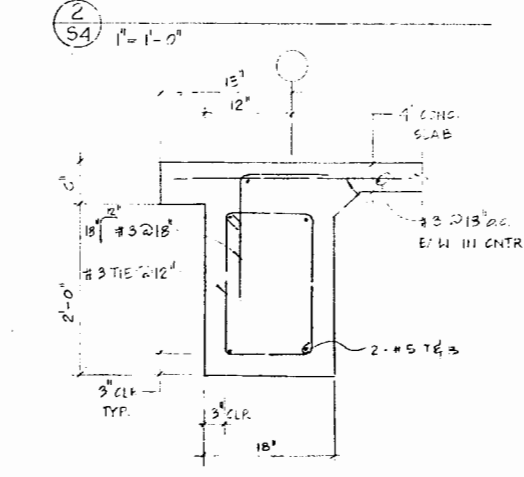
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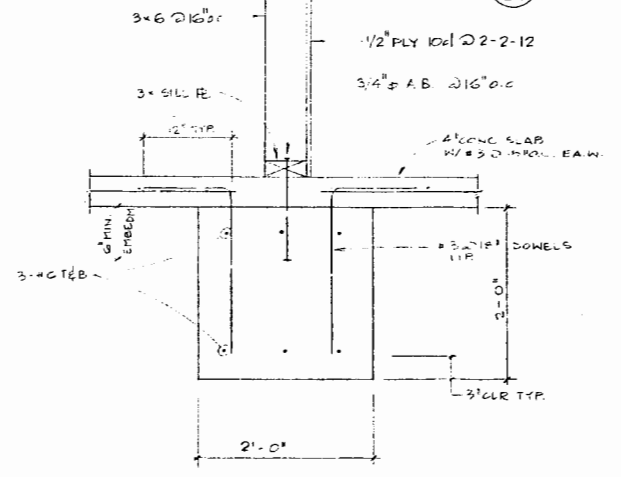
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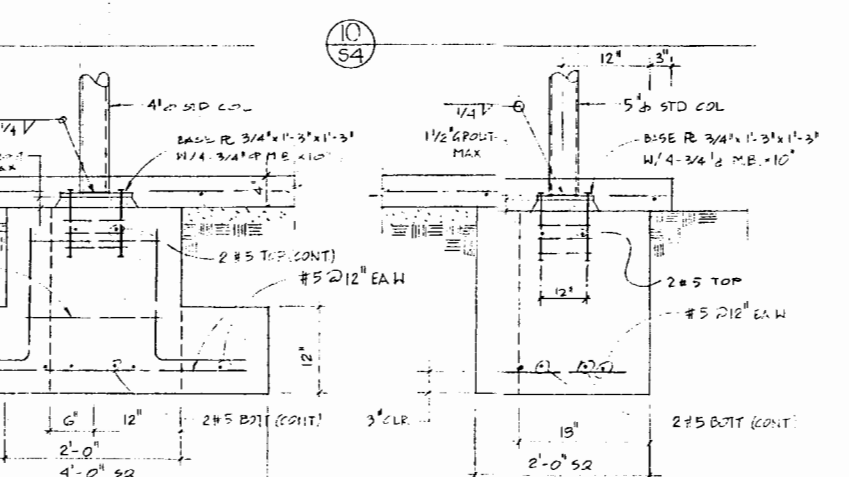
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1" = 1'-0"



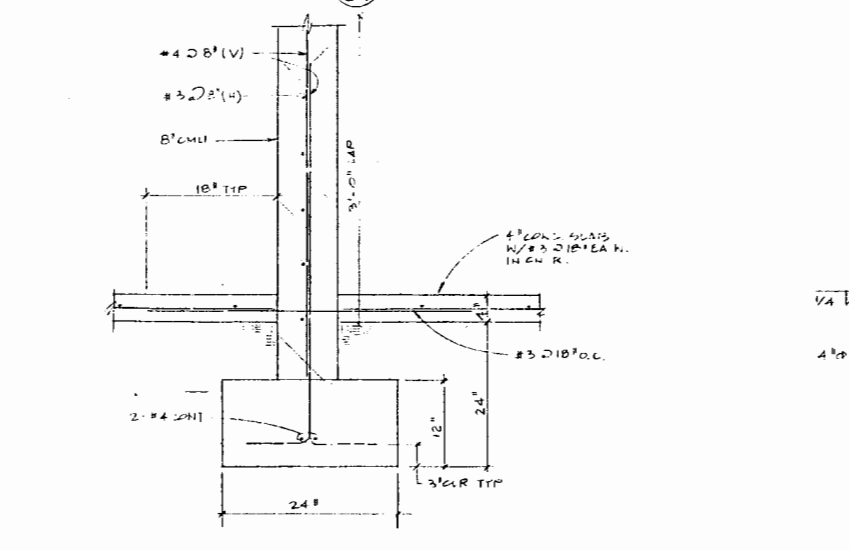
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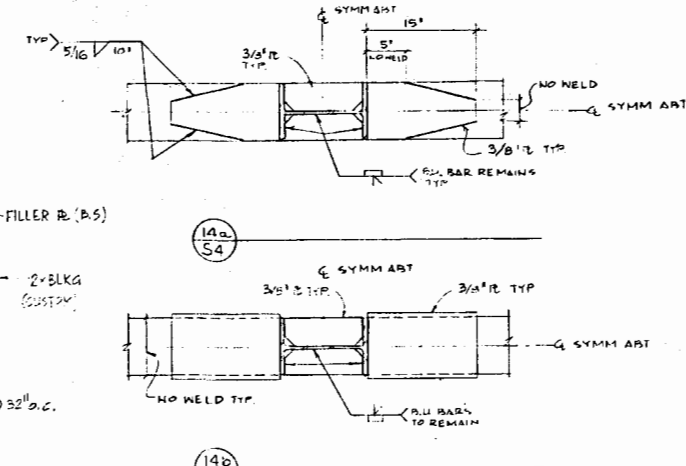
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S4  
1" = 1'-0"



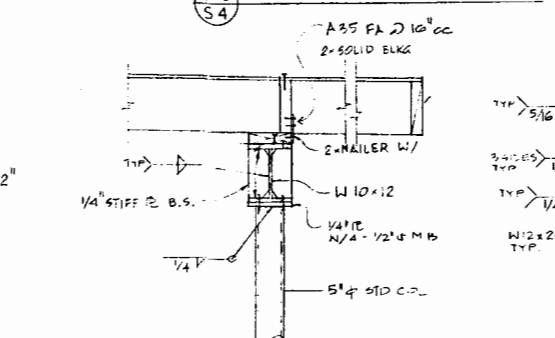
10  
S4  
1" = 1'-0"



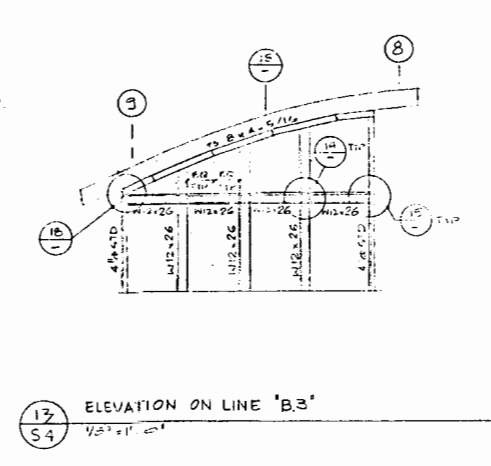
12  
S4  
1" = 1'-0"



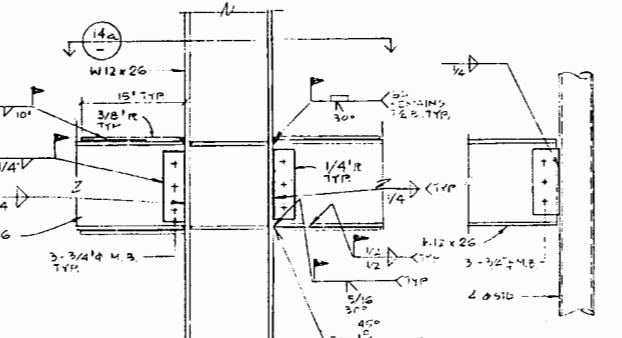
14a  
S4



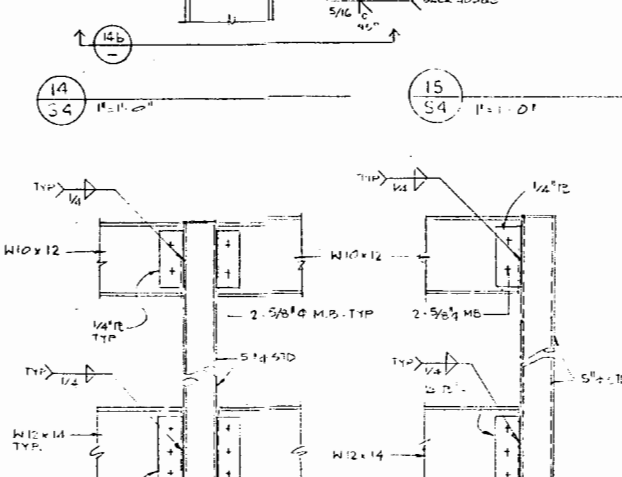
14b  
S4



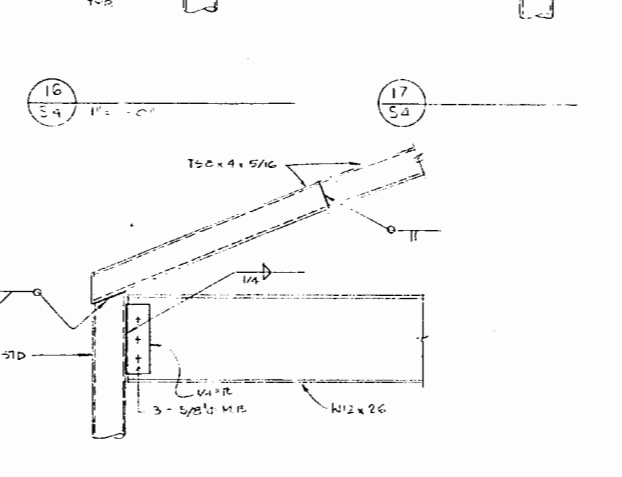
17  
S4  
ELEVATION ON LINE 'B3'



14a  
S4  
1" = 1'-0"



15  
S4  
1" = 1'-0"



16  
S4  
1" = 1'-0"



17  
S4  
1" = 1'-0"

**MUTLOW JUBANY ARCHITECTURE**  
 INTERIOR DESIGN  
 TEL 213 664 4373  
 FAX 213 664 4376

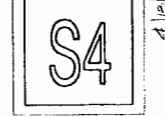
**ARCHITECTURE URBAN PLANNING**  
 2536 NORTH VERMONT AVENUE  
 LOS ANGELES, CALIFORNIA 90027

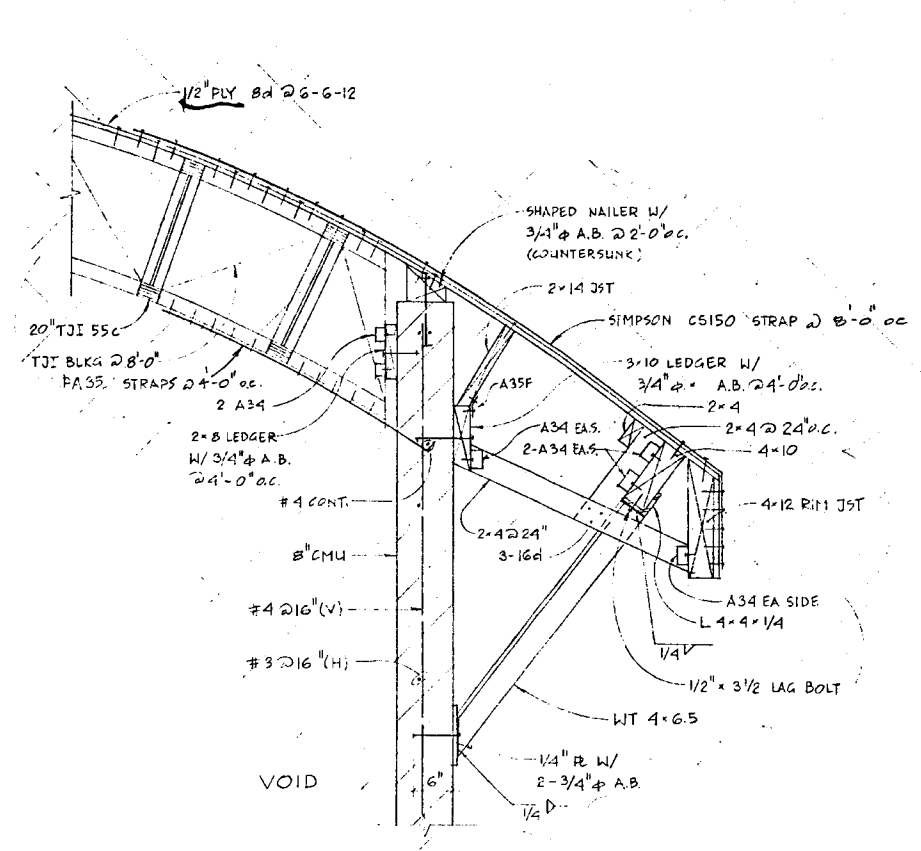
**STRUCTURAL ENGINEER**  
**DMITRY VERGUN**  
 1546 7TH STREET  
 SANTA MONICA, CALIFORNIA 90401  
 TEL 310 458 9919



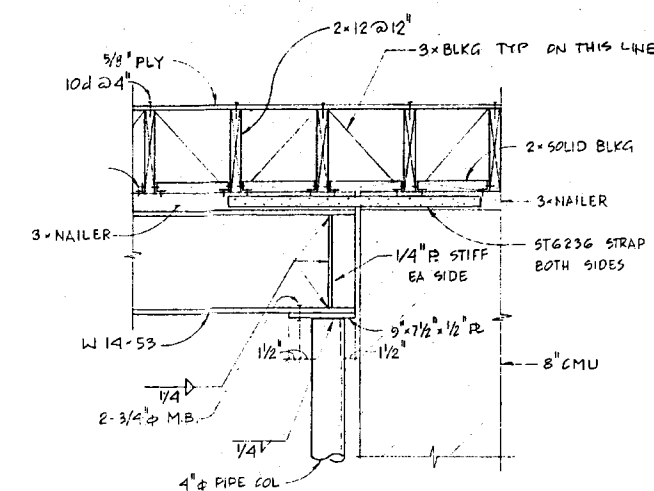
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**DETAILS**  
 SCALE AS NOTED DATE 04.13.95

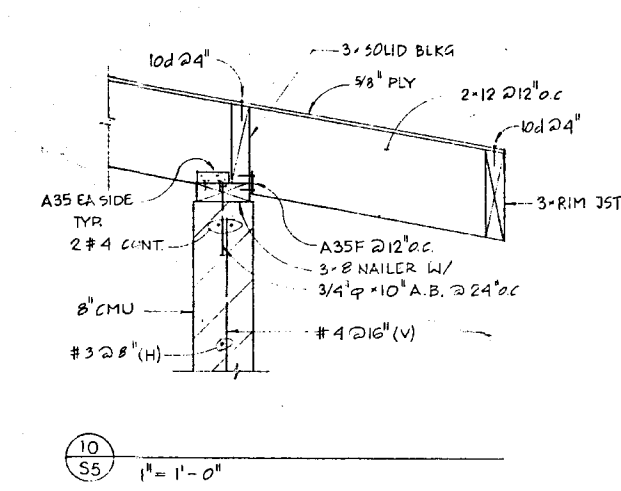




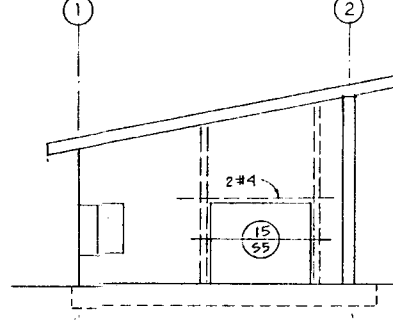
1  
S5  
1" = 1'-0"



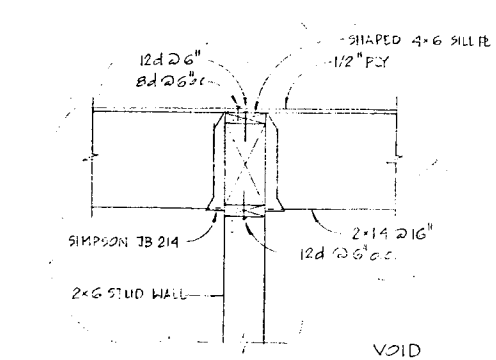
6  
S5  
1" = 1'-0"



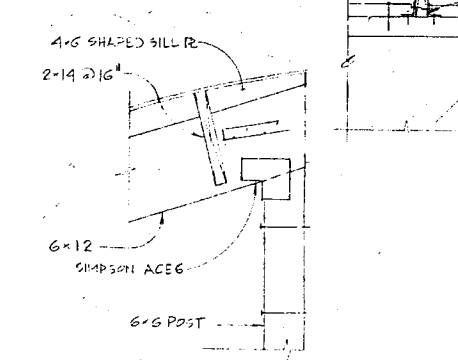
10  
S5  
1" = 1'-0"



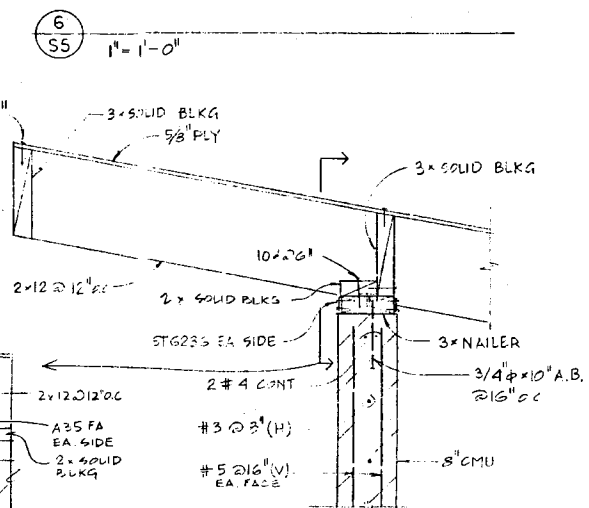
14  
S5  
1/8" = 1'-0"



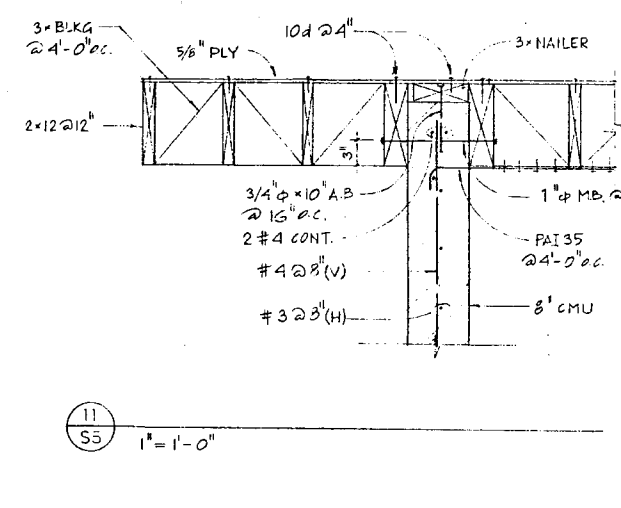
2  
S5  
1" = 1'-0"



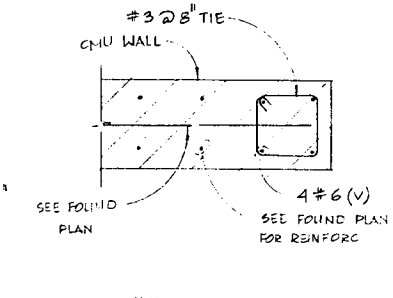
4  
S5  
1" = 1'-0"



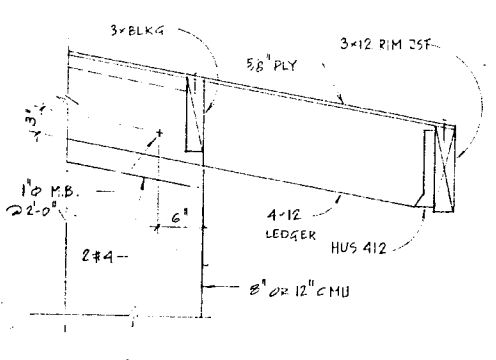
7  
S5  
1" = 1'-0"



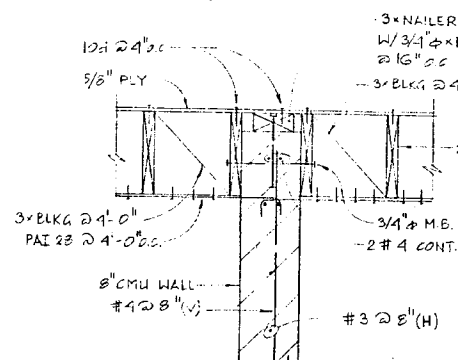
11  
S5  
1" = 1'-0"



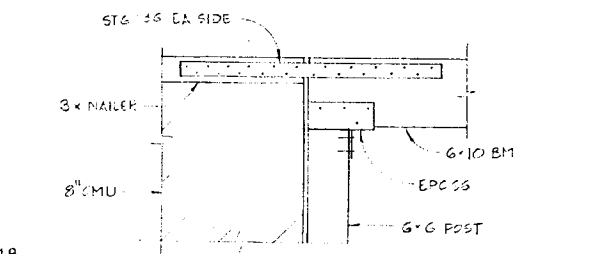
12  
S5  
1" = 1'-0"



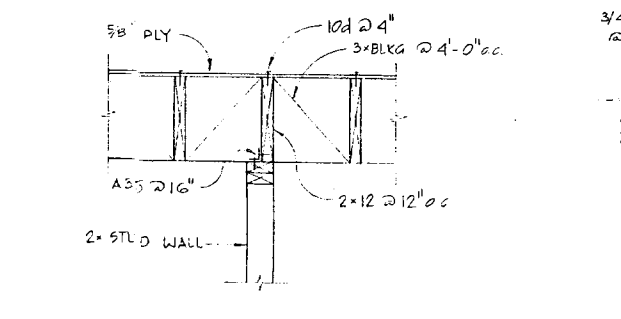
3  
S5  
1" = 1'-0"



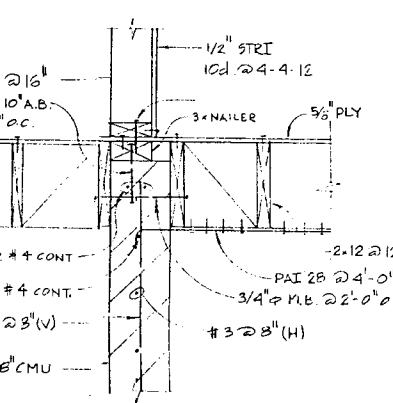
5  
S5  
1" = 1'-0"



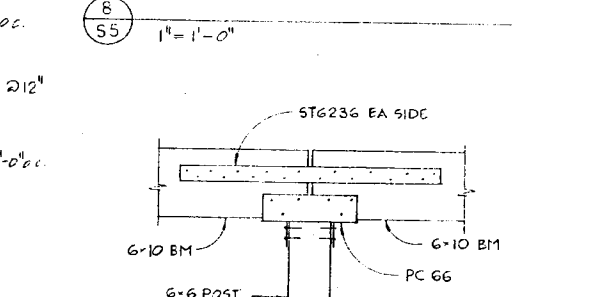
8  
S5  
1" = 1'-0"



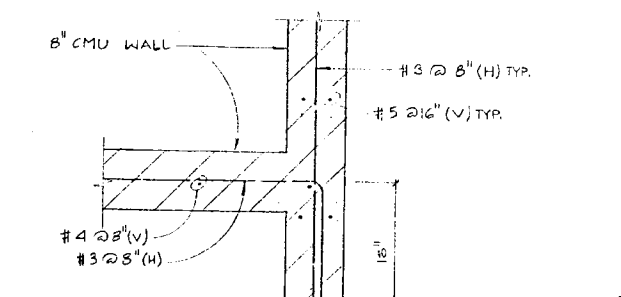
12  
S5  
1" = 1'-0"



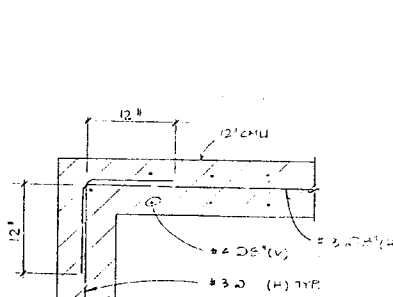
16  
S5  
1" = 1'-0"



9  
S5  
1" = 1'-0"



13  
S5  
1" = 1'-0"



17  
S5  
1" = 1'-0"

**MUTLOW JUBANY ARCHITECTURE**  
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STRUCTURAL ENGINEER  
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DIMITRY VERGUN  
SANTA MONICA, CALIFORNIA 90404  
TEL 310 458 9919

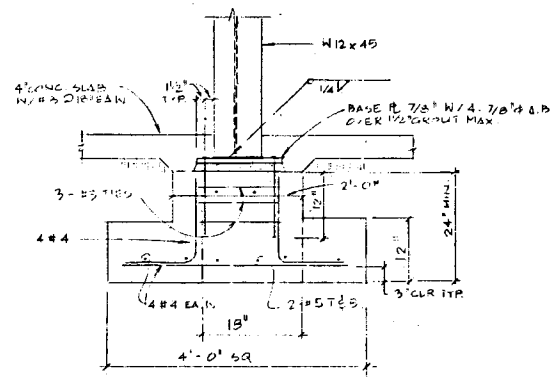
**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**



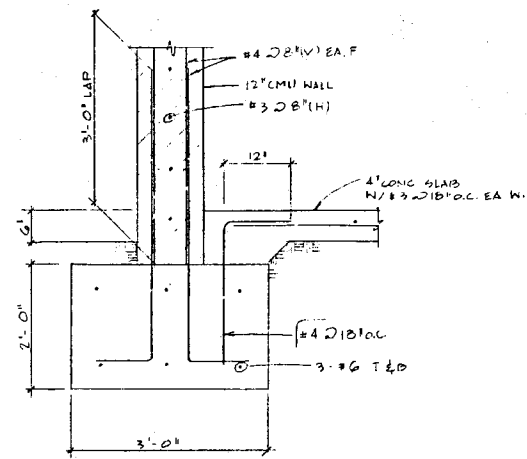
REV.	DATE	BY	APP.

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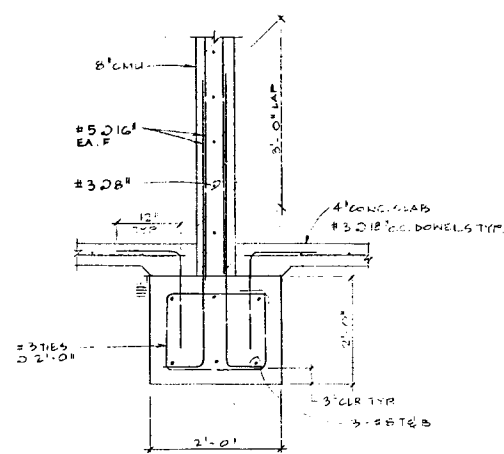
DETAILS  
S5  
4/13/95



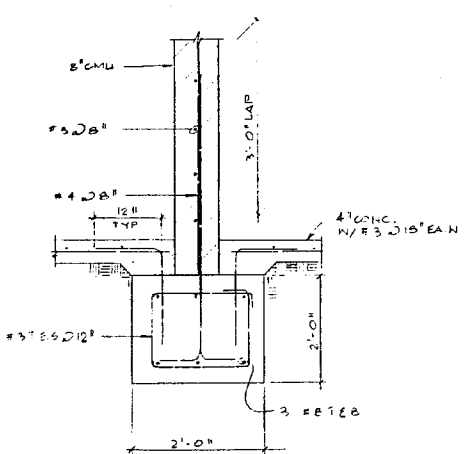
1  
S6 3/4" = 1'-0"



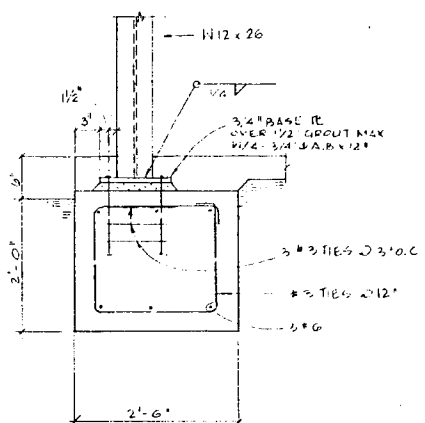
4  
S6 3/4" = 1'-0"



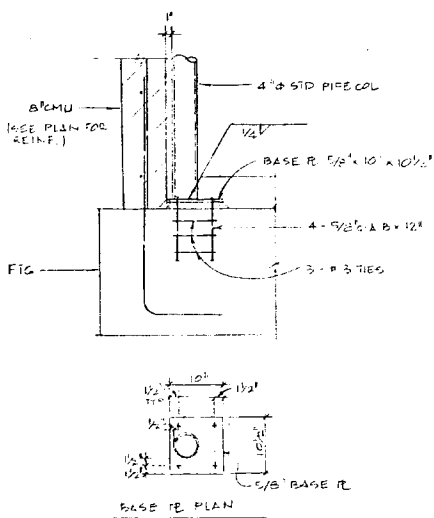
2  
S6 3/4" = 1'-0"



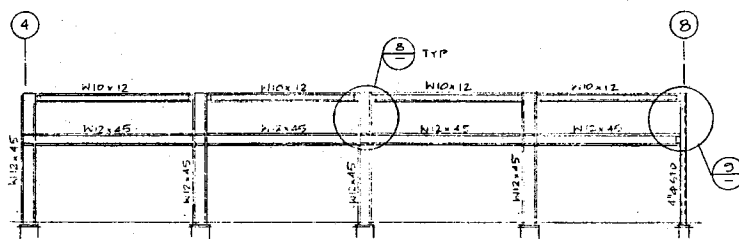
5  
S6 3/4" = 1'-0"



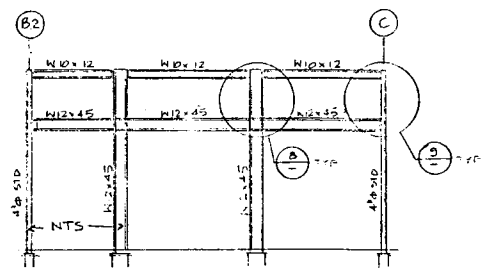
3  
S6 3/4" = 1'-0"



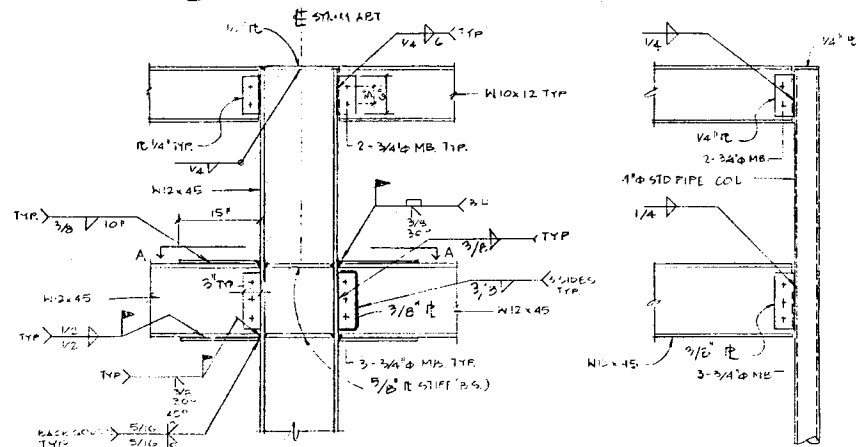
6  
S6 3/4" = 1'-0"



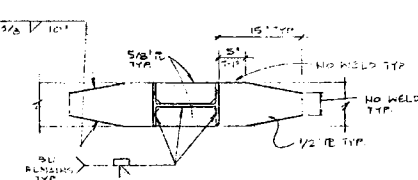
7  
S6 STL FRAME ON LINE C



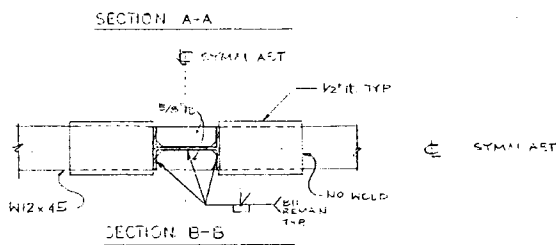
7a  
S6 STL FRAME ON LINE 2



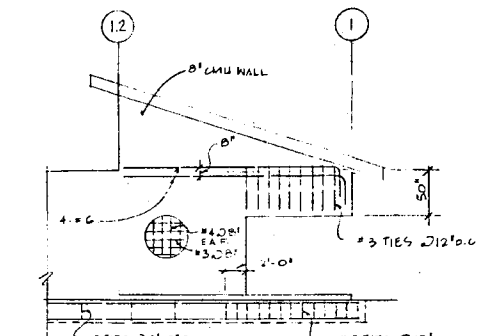
9  
S6 3/4" = 1'-0"



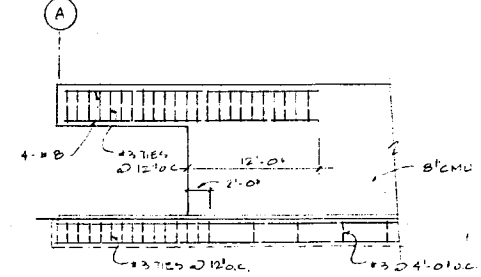
8  
S6 3/4" = 1'-0"



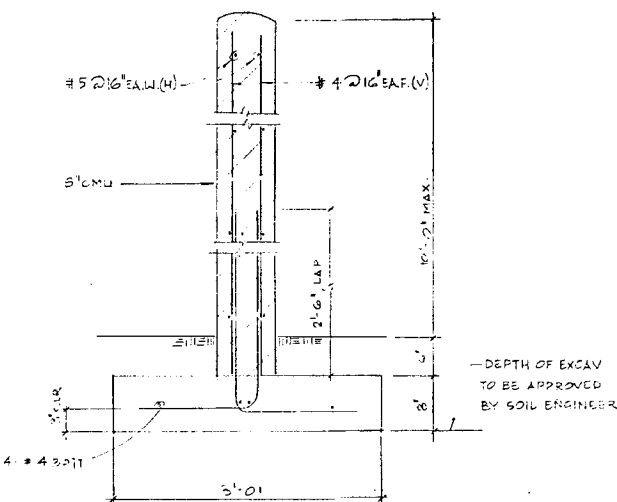
10  
S6 3/4" = 1'-0"



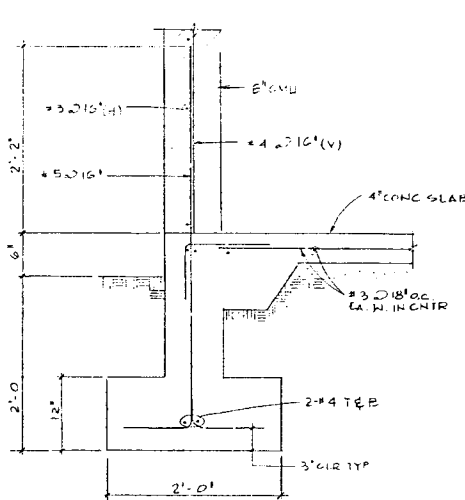
10  
S6 CANTILEVER BM ON LINE A



11  
S6 CANTILEVER BM ON LINE J



12  
S6 1" = 1'-0"



13  
S6 1" = 1'-0"

**MUTLOW JUBANY ARCHITECTURE**  
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1546 7TH STREET  
SANTA MONICA, CALIFORNIA 90401  
TEL 310 438 9919

**MTA SYLMAR/SAN FERNANDO CHILD CARE FACILITY**

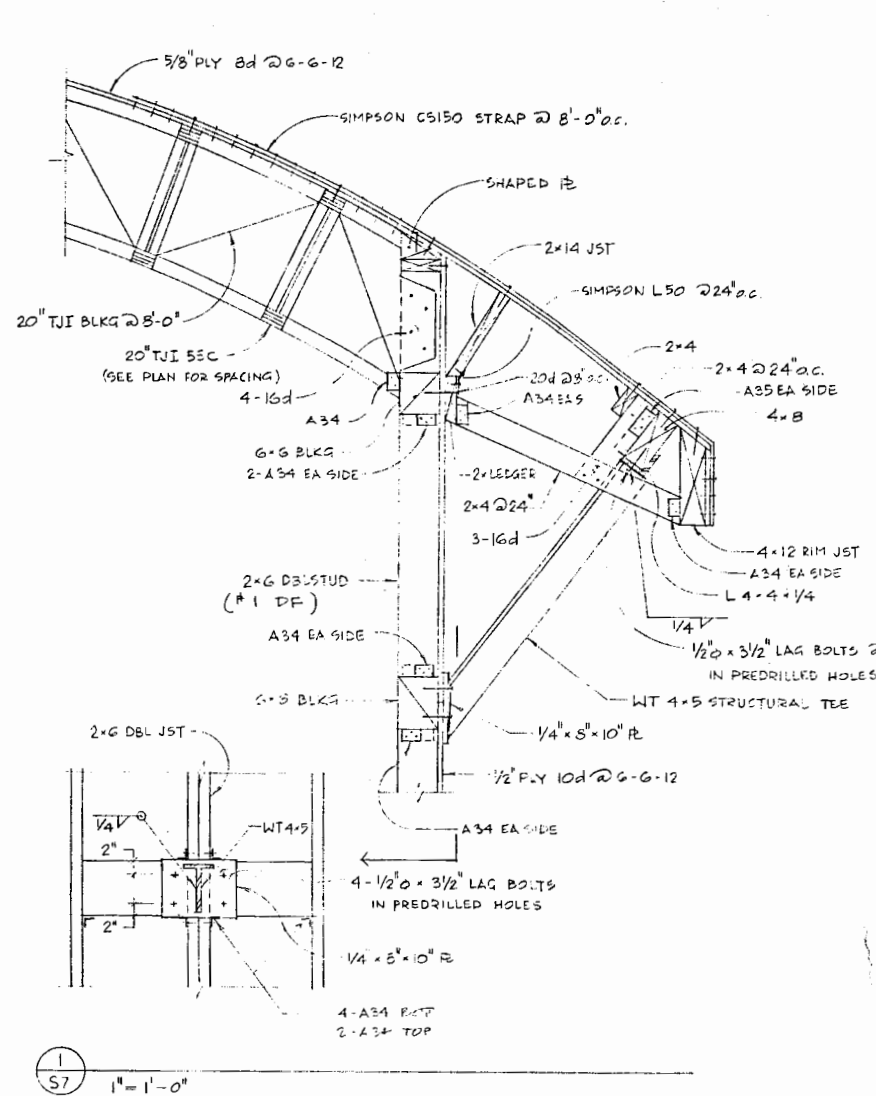


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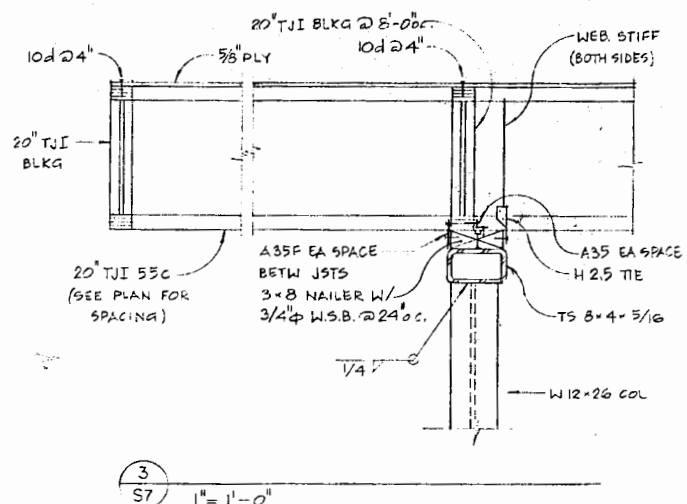
SCALE AS NOTED DATE 04.13.95

**S6**

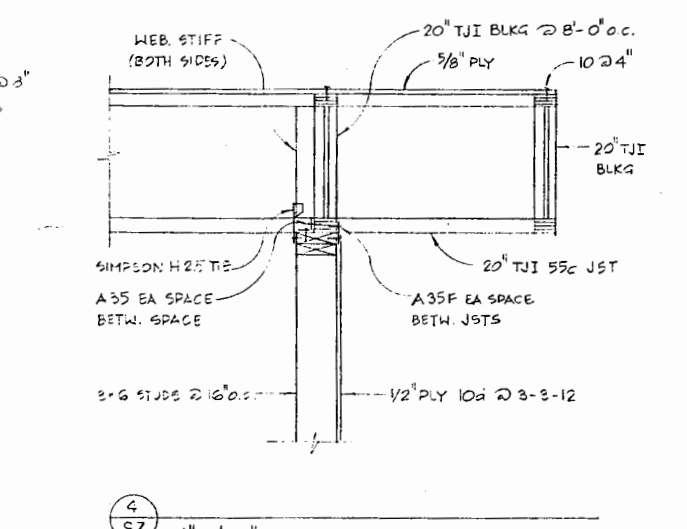




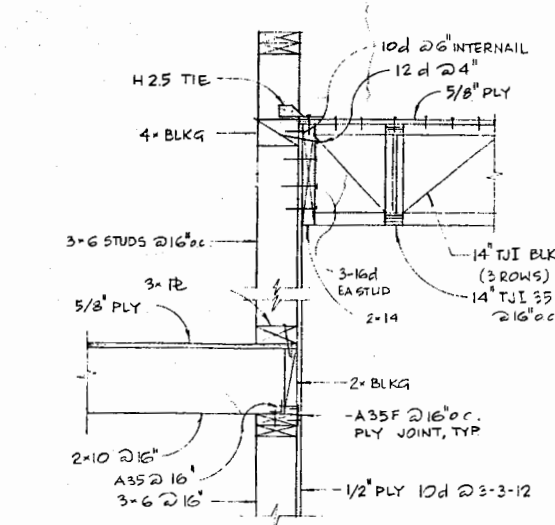
1  
S7 1" = 1'-0"



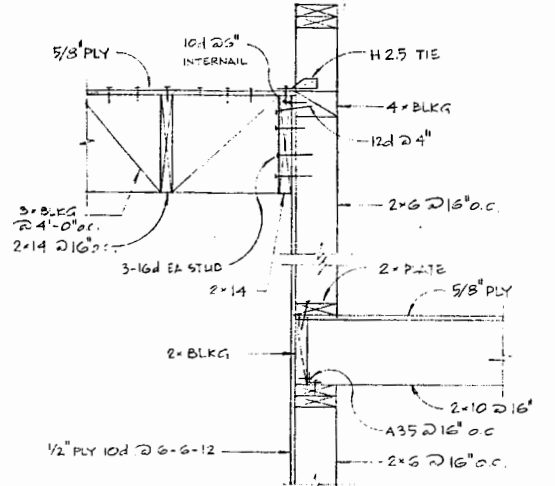
3  
S7 1" = 1'-0"



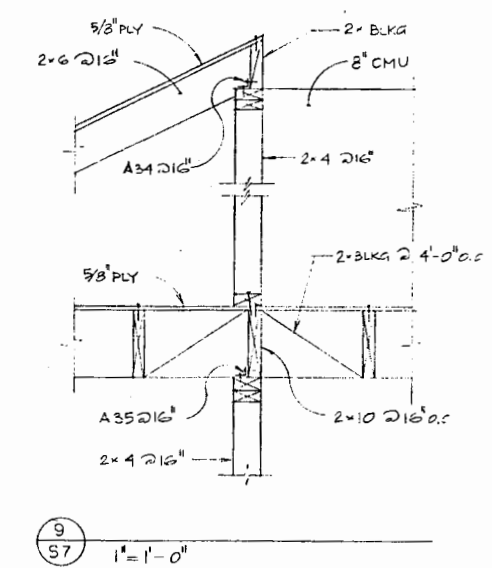
4  
S7 1" = 1'-0"



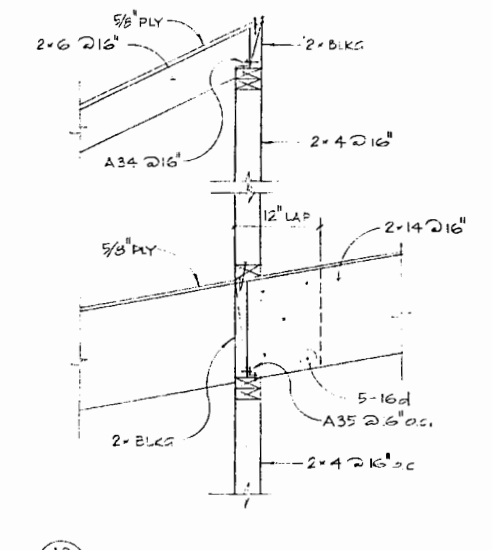
6  
S7 1" = 1'-0"



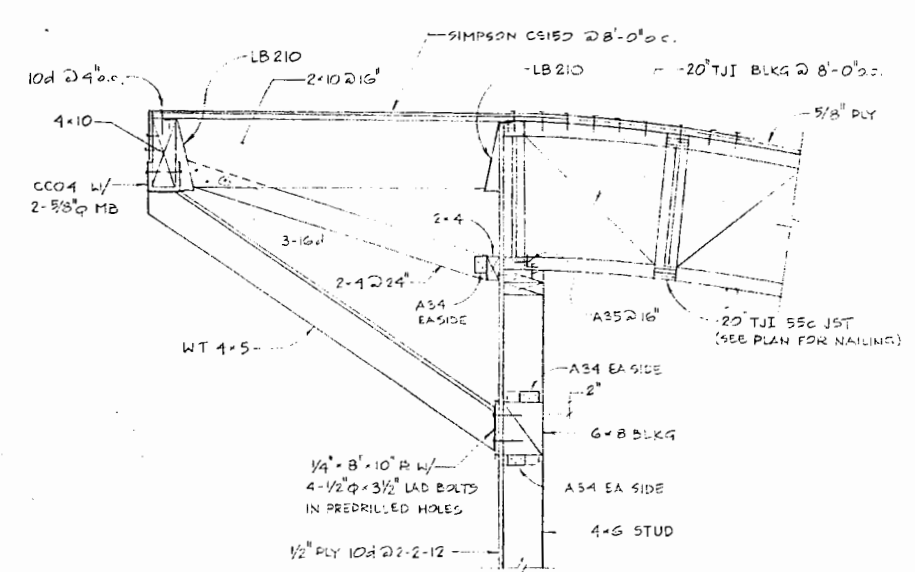
7  
S7 1" = 1'-0"



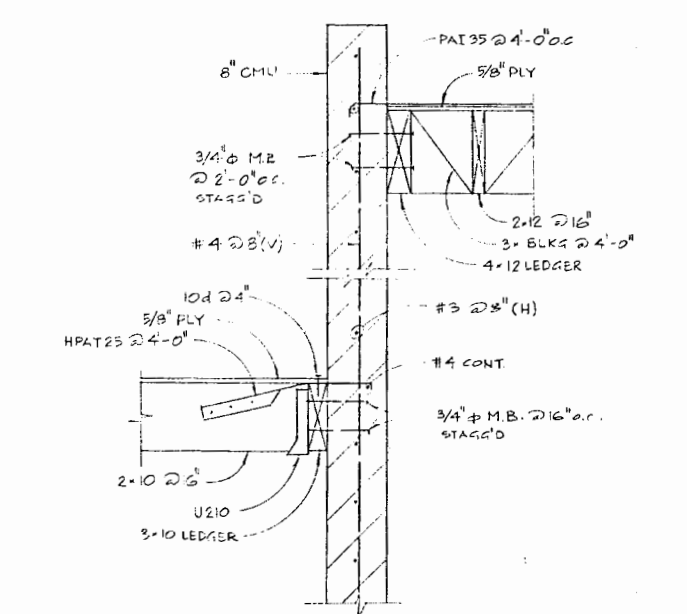
9  
S7 1" = 1'-0"



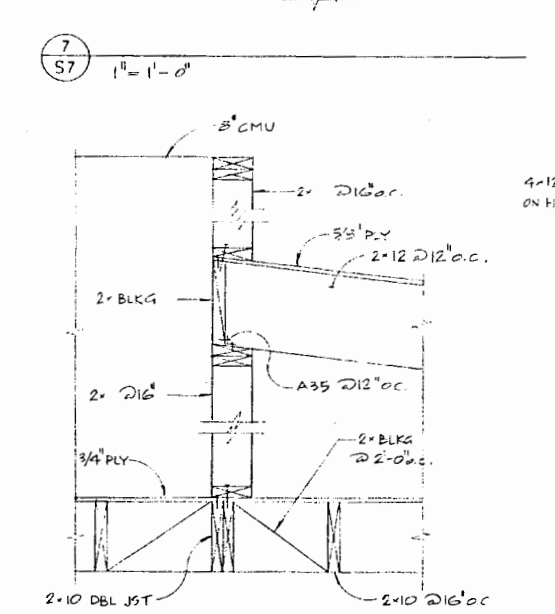
10  
S7 1" = 1'-0"



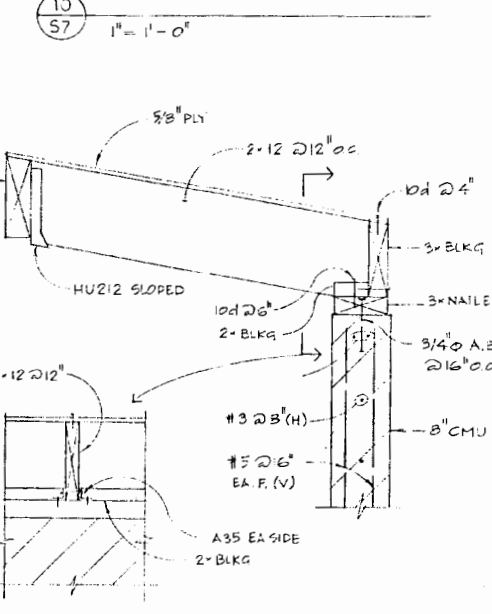
2  
S7 1" = 1'-0"



5  
S7 1" = 1'-0"



8  
S7 1" = 1'-0"



11  
S7 1" = 1'-0"

**MUTLOW JUBANY ARCHITECTURE**  
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**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**

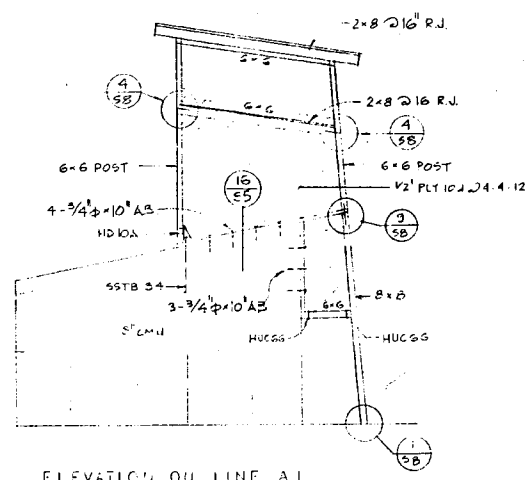


REV.	DATE	BY	APP.

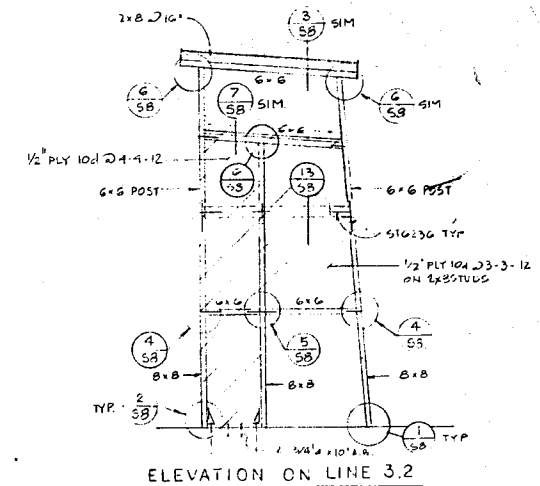
SCALE AS NOTED DATE 04.13.95



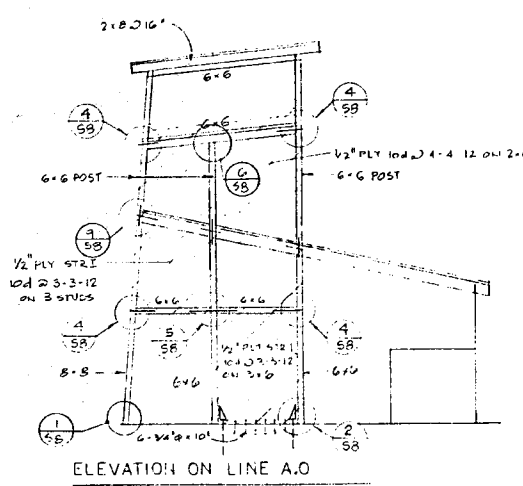
SHEET 32 OF 62



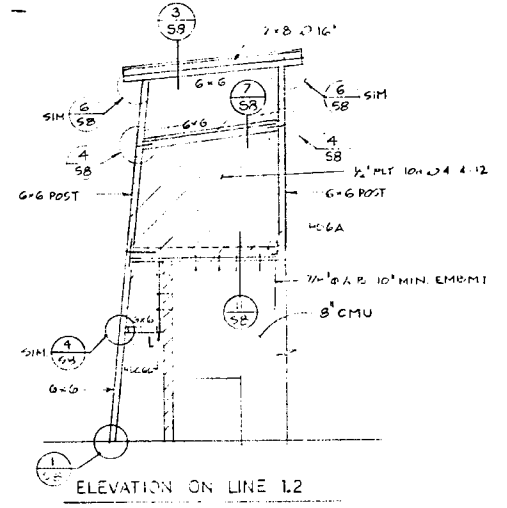
ELEVATION ON LINE A.1



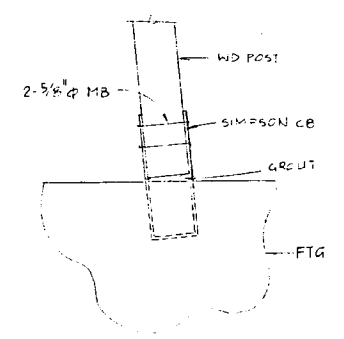
ELEVATION ON LINE 3.2



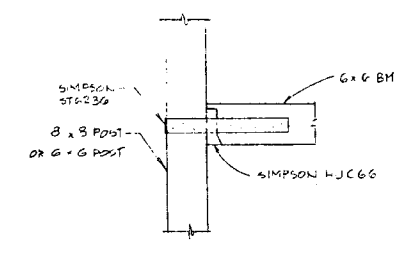
ELEVATION ON LINE A.0



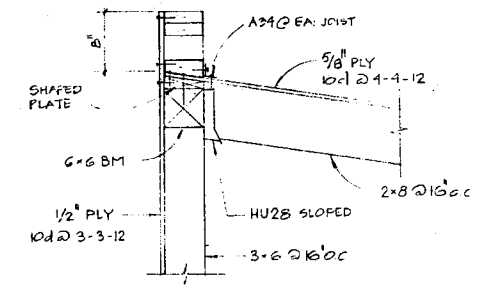
ELEVATION ON LINE 1.2



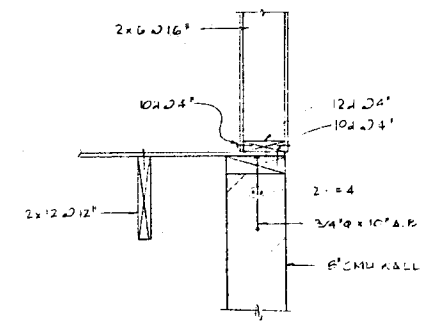
1  
SB 1\"/>



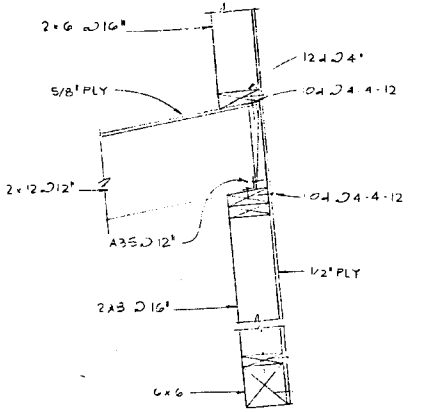
4  
SB TYP. BM TO POST CONN.  
1\"/>



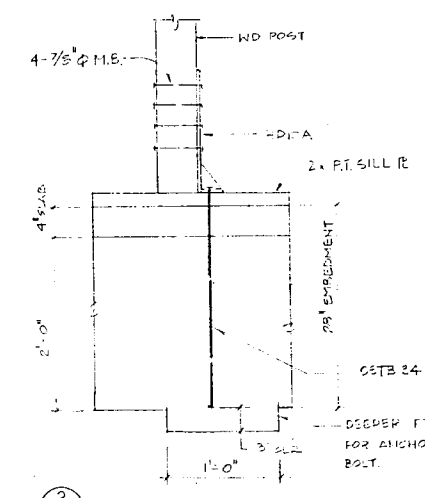
7  
SB 1\"/>



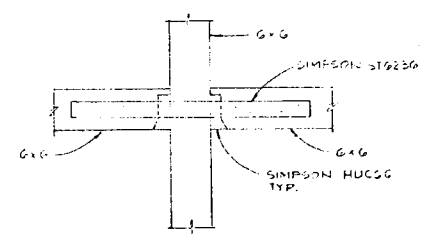
10  
SB 1\"/>



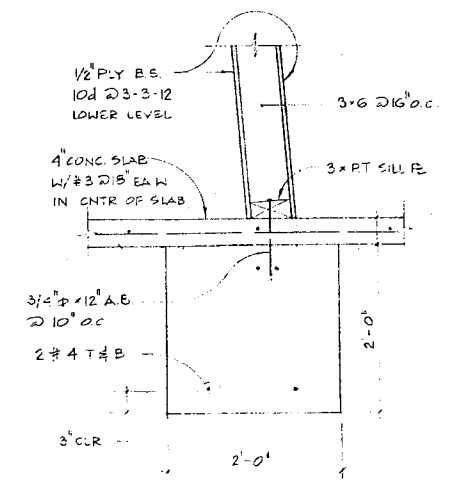
13  
SB 1\"/>



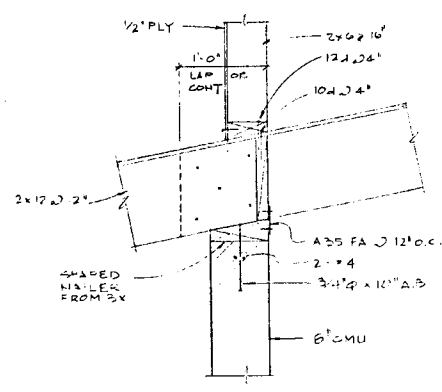
2  
SB 1\"/>



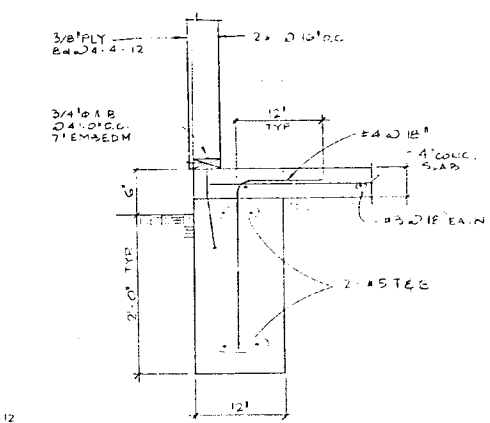
5  
SB 1\"/>



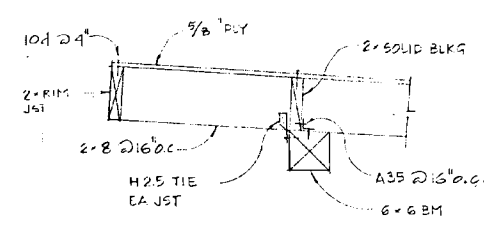
8  
SB 1\"/>



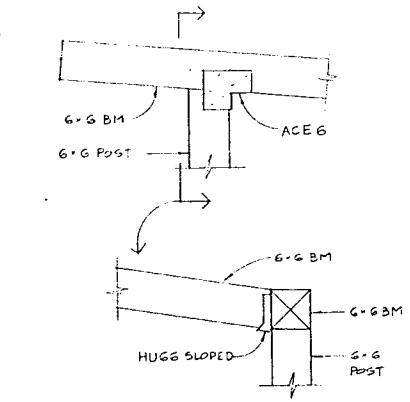
11  
SB 1\"/>



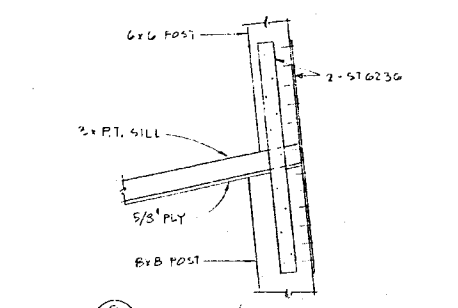
14  
SB 1\"/>



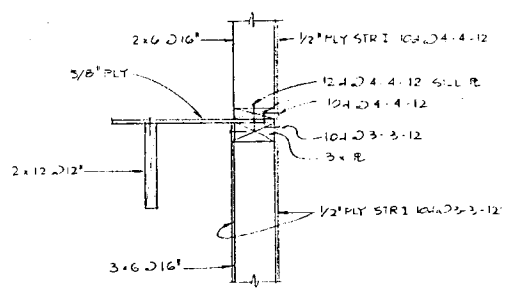
3  
SB 1\"/>



6  
SB 1\"/>



9  
SB 1\"/>



12  
SB 1\"/>

MUTLOW JUBANY ARCHITECTURE  
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TEL 310 388 8819

MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY



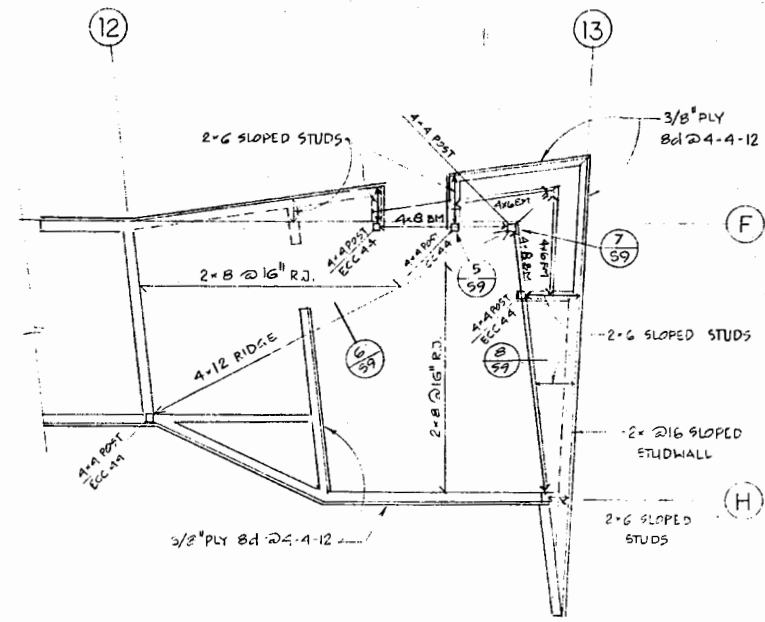
REV.	DATE	BY	APP.

SCALE AS NOTED DATE 04.13.95

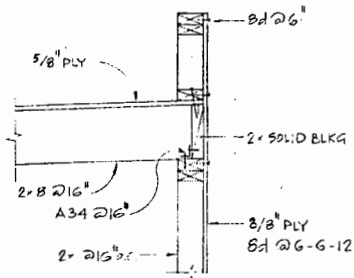


SHEET 33 OF 62

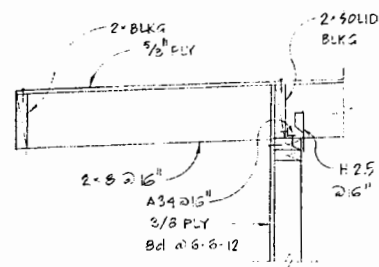
4/13/95



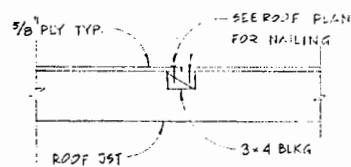
1 ROOF FRAMING PLAN OF EAST PART OF THE STORAGE  
1/4" = 1'-0"



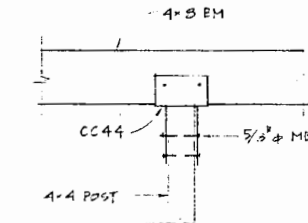
2 1" = 1'-0"



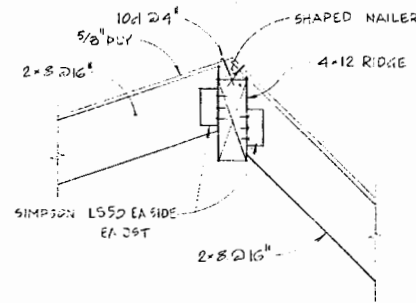
3 1" = 1'-0"



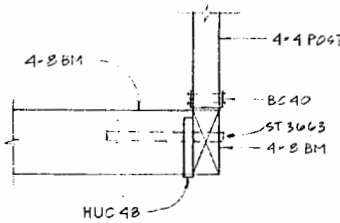
4 TYP. EDGE BLOCKING FOR ROOF PLYWOOD  
1" = 1'-0"



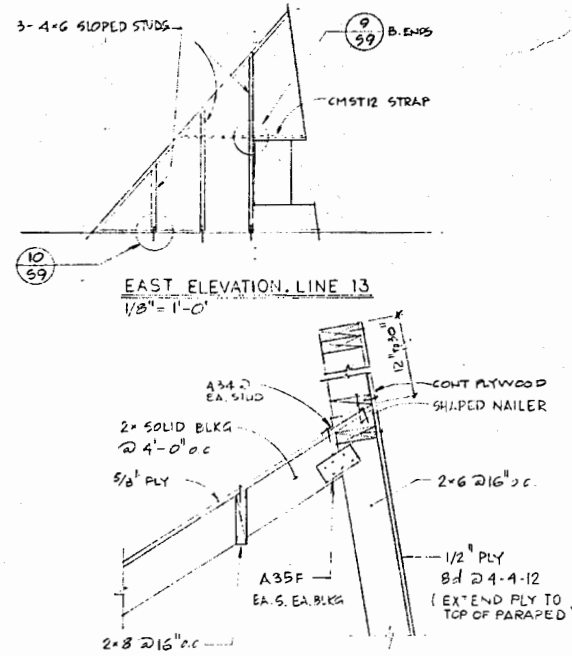
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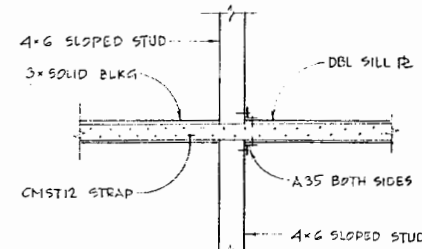
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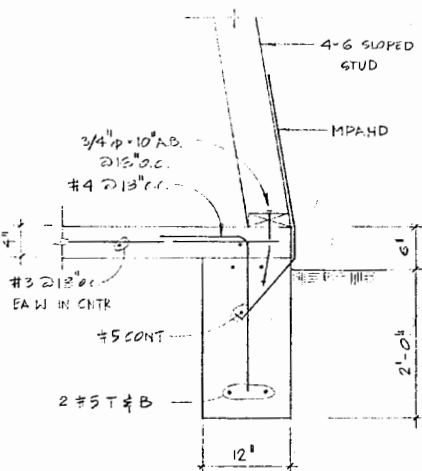
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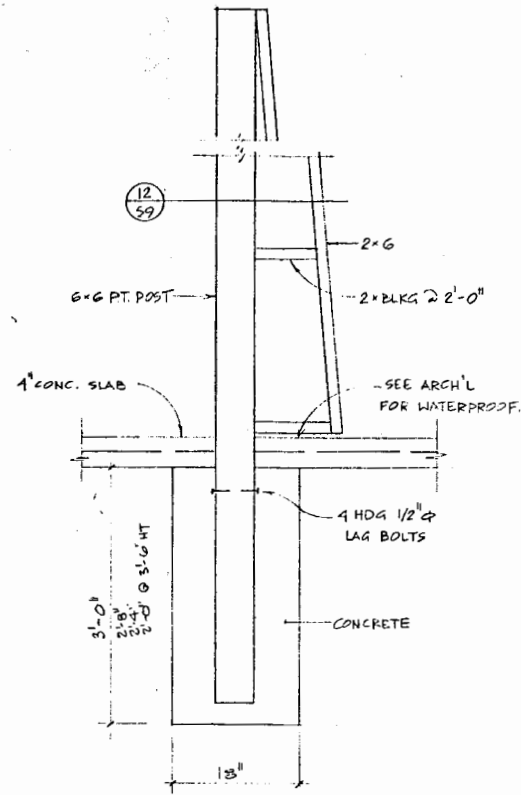
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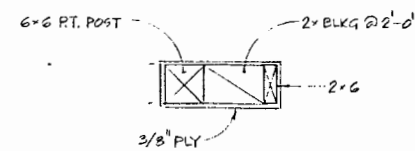
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10 1" = 1'-0"

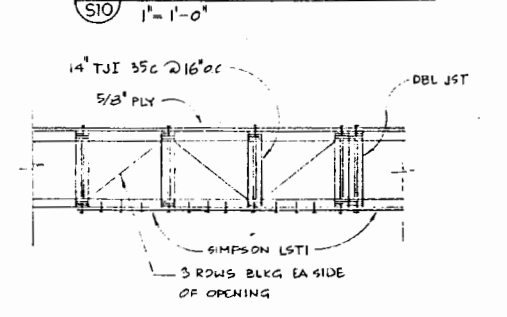
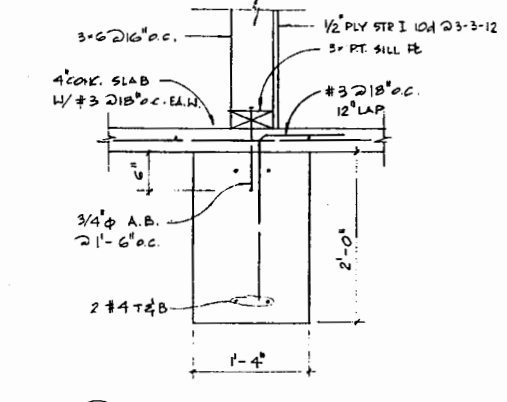
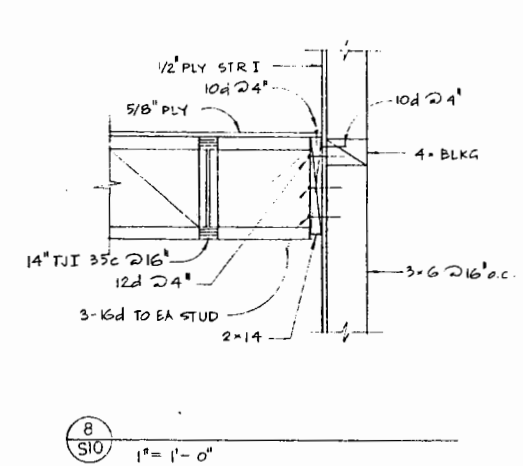
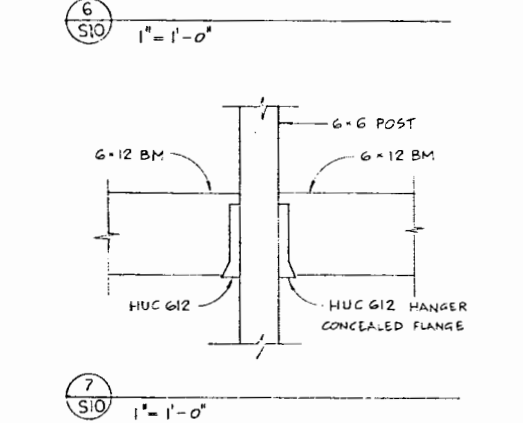
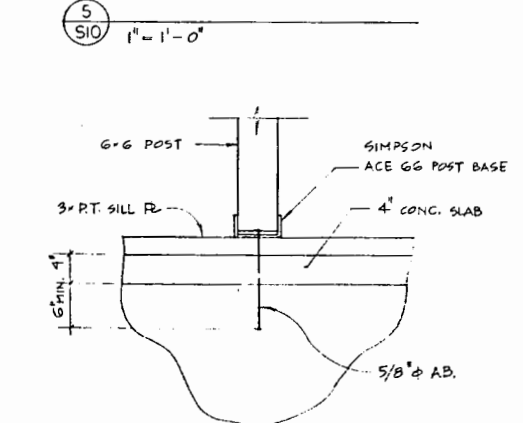
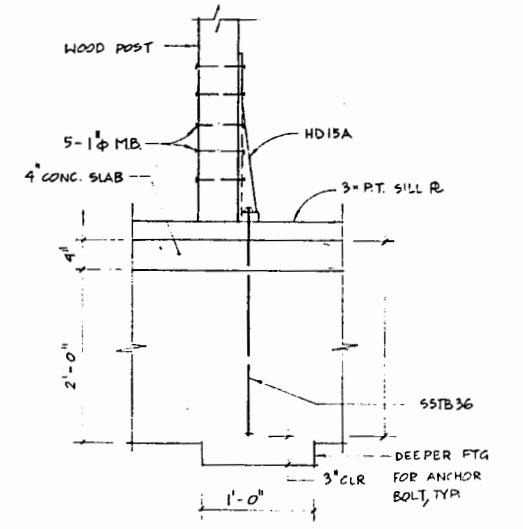
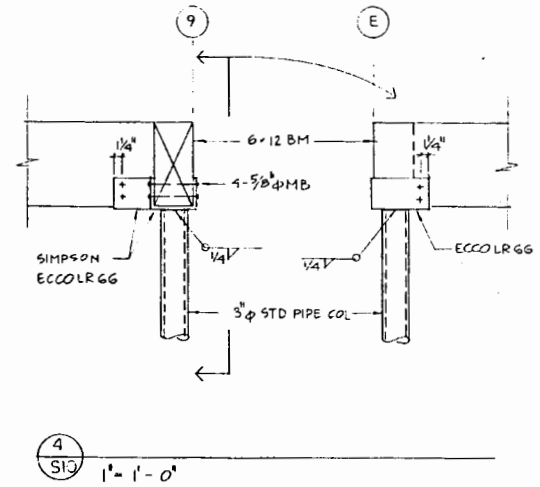
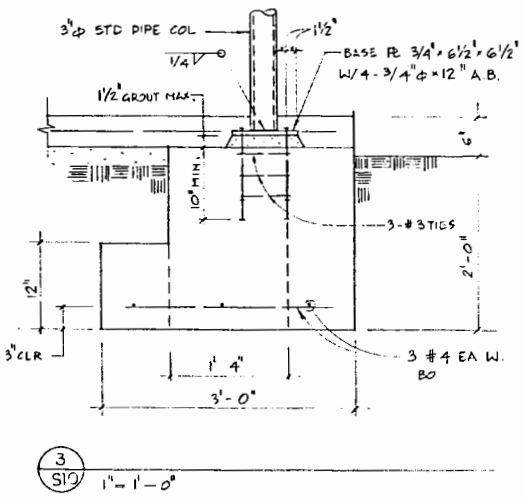
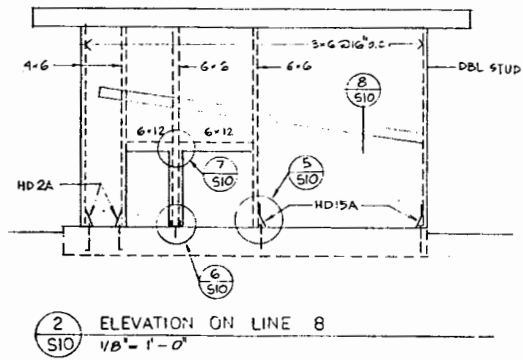
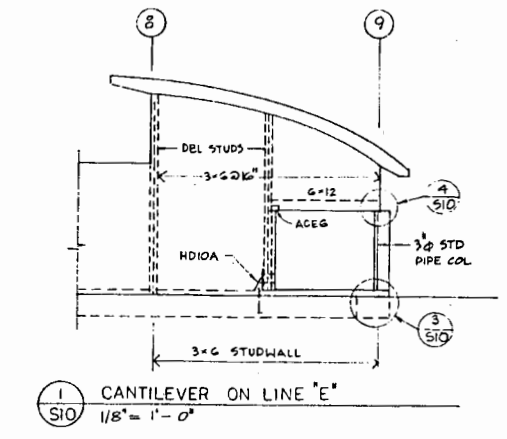


11 1" = 1'-0"



12 1" = 1'-0"

REV.	DATE	BY	APP.



**MUTLOW JUBANY ARCHITECTURE**  
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**MTA SYLMAR/SAN FERNANDO CHILD CARE FACILITY**

**METRO**

REV.	DATE	BY	APP.

SCALE AS NOTED DATE 04.13.95

4/12/95 ISSUED FOR BID

**VIBRATION ISOLATORS**

ALL AIR CONDITIONING EQUIPMENT SHOULD BE EQUIPPED WITH SEISMIC RESTRAINT CAPABILITIES FOR EARTHQUAKE PROTECTION

**FAN COILS**

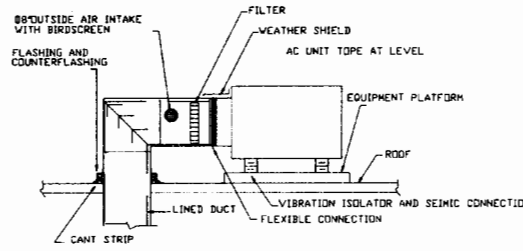
VBREX, M.W. SAUSSE AND COMPANY, INC. MODEL NO RMJ, WITH 3/8" RODS AND MIN. 1/2" DEFLECTION. CROSS BRACE FAN COILS TO JOIST ABOVE

**OUTDOOR HEAT PUMP UNITS**

VBREX, M.W. SAUSSE AND COMPANY, INC. MODEL NO. RMS-EQ, WITH 2" O.D. SPRING, 3" FREE HEIGHT, AND ONE INCH DEFLECT, MIN. FOUR.

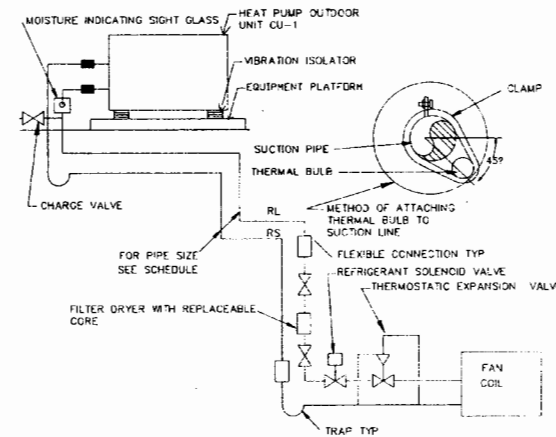
**OUTDOORS PACKAGE HEAT PUMP UNIT**

VBREX, M.W. SASSE AND COMPANY, INC. MODEL NO. RMS-EQ, WITH 2" O.D. SPRING 3" FREE HEIGHT, ONE INCH DEFLECT MIN. FOUR.

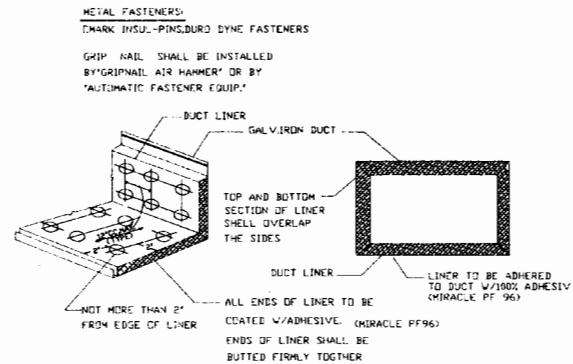


**PACKAGE AIR CONDITIONING UNIT INSTALLATION DETAIL**

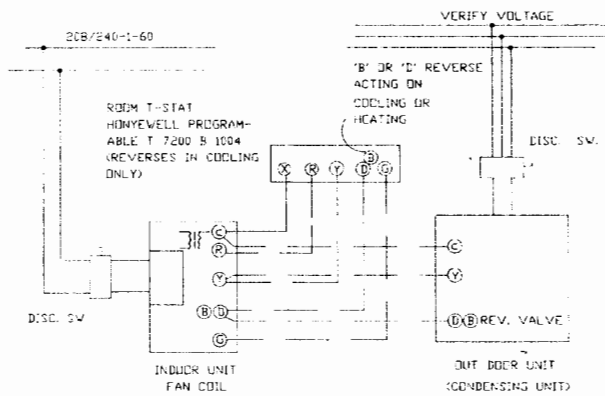
FC. NO	1	2	3
PIPE SIZE			
RL	1/2"	1/2"	1/2"
RS	7/8"	7/8"	7/8"



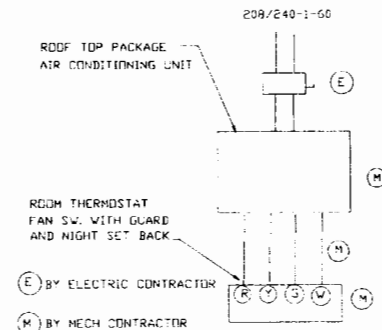
**SPLIT HEAT PUMP PIPING DIAGRAM**



**DUCT LINER DETAIL**  
NO SCALE

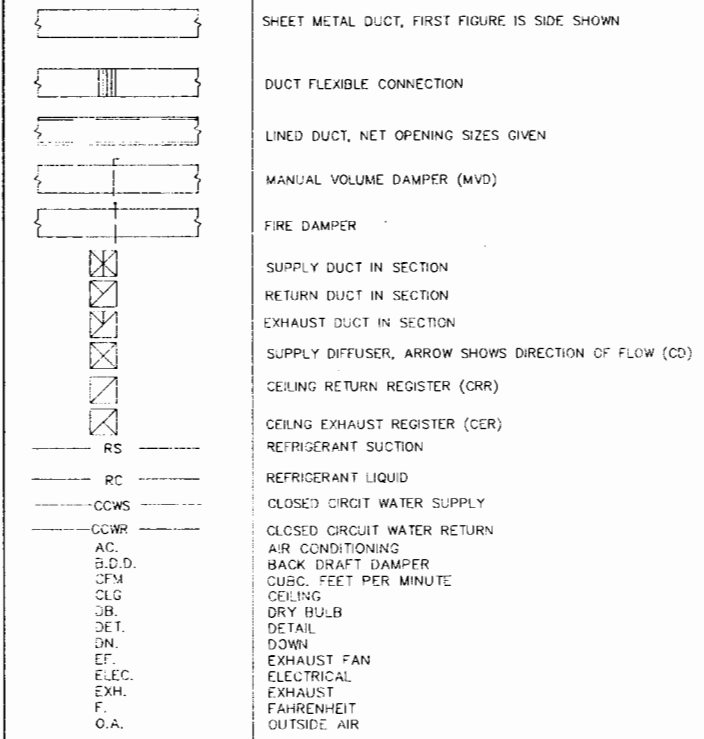


**HEAT PUMP, SPLIT AIRCOND. SYSTEM CONTROL DIAGRAM**



**PACKAGE CONTROL DIAGRAM**

**SYMBOLS AND ABBREVIATION**



**ENERGY NOTES**

1. THE CALIFORNIA NON-RESIDENTIAL ENERGY CONSERVATION STANDARD HAS BEEN REVIEWED AND THE DESIGN, DRAWINGS AND CALCULATIONS COMPLY SUBSTANTIALLY WITH THESE STANDARDS.
2. AUTOMATIC TEMPERATURE CONTROL DEVICE FOR REGULATION OF SPACE TEMPERATURE SHALL BE CAPABLE OF BEING SET FROM 55F. TO 85F. AND HAVE THE ABILITY TO OPERATE THE HEATING AND COOLING IN SEQUENCE. CONTROL SHALL BE ADJUSTABLE TO PROVIDE A RANGE OF UP TO 10F. BETWEEN FULL HEATING AND FULL COOLING AND HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70F., AND COOLING AT A TEMPERATURE NOT LESS THAN 75 F.
3. EACH HVAC SYSTEM SHALL BE EQUIPPED WITH A READILY ACCESSIBLE MANUALLY ADJUSTABLE MEANS OF REDUCING THE ENERGY USED FOR HVAC DURING PERIODS OF NON USE.
4. TRANSVERSE JOINTS FOR ALL AIR SUPPLY DUCTS INSTALLED WHERE AIR LEAKAGE WOULD BE NONBENEFICIAL TO THE OCCUPIED AREA TEMPERATURE REQUIREMENTS, SHALL BE SEALED WITH APPROVAL MASTIC OR TAPE.
5. ALL GAS CONTROL FURNACES WITH LESS THAN 175,000 BTUH, AND FAN TYPE WALL HEATERS SHALL BE OF THE "B2" (PILOTLESS) TYPE.
6. A MAINTENANCE LABEL WILL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
7. EXHAUST FANS TO BE WITH BACK DRAFT DAMPER.
8. ALL OUTSIDE AIR INTAKE TO A/C UNITS TO BE EQUIPPED WITH BACKDRAFT DAMPERS.
9. DUCT SOUND INSULATION LINING SHALL BE MINIMUM ONE INCH WITH MINIMUM 65 POUNDS PER CUBIC FEET DENSITY.
10. ALL DUCTS EXPOSED OR ON THE ROOF, UP TO 70 FT. LONG SHALL BE WRAPPED WITH 2 INCH OF FIBER GLASS OR ROCK WOOL INSULATION WITH MIN. 0.75 POUND PER CUBIC FEET DENSITY. FOR DUCT BETWEEN 70-150 FT. USE 1" OF FIBER GLASS OR ROCK WOOL INSULATION WITH MIN. 0.5 POUND PER CUBIC FEET DENSITY.
11. ALL DUCTS BETWEEN FLOOR, CRAWL SPACES, ATTICS, UNDER FLOOR, OR BASEMENTS UP TO 70 FT. LONG SHALL BE WRAPPED WITH 1/2" OF FIBER GLASS OR ROCK WOOL INSULATION WITH MIN. 0.5 POUND PER CUBIC FEET DENSITY. FOR DUCT BETWEEN 70-150 FT. LONG USE 1" FIBER GLASS OR ROCK WOOL INSULATION WITH 0.5 POUND PER CUBIC FEET DENSITY.

**GENERAL NOTES**

1. BUILDING TYPE OF CONSTRUCTION UBC OCCUPANCY CLASSIFICATION
2. CONCEALED SPACES, CIRCULATING AIR (EXCEPT IN DWELLING UNITS), NO COMBUSTIBLE MATERIAL (SUCH AS EXPOSED COMMUNICATION CABLES, INSULATED WIRES, PLASTIC TUBING OR PIPING, PIPE INSULATION, CONDENSATE PAN INSULATION, LUMINOUS CEILING, WOOD, PVC, ABS, AND OTHER PLASTIC) TO BE IN CONCEALED SPACES USED TO CONVEY CIRCULATING AIR SUPPLY. WHEN COMBUSTIBLE MATERIAL IS TO BE LOCATED IN THE ABOVE SPACES, IT SHALL BE APPROVED BY LOS ANGELES CITY FOR SUCH INSTALLATION.
3. DUCTS, CONDITIONED AIR AND VENTILATION AIR ALL DUCTS AND PLENUMS USED TO CONVEY THE CONDITIONED AIR SUPPLY OR VENTILATION AIR, TO BE MADE OF CONTINUOUS SHEET METAL, OR TO BE LOS ANGELES CITY APPROVED DUCTS.
4. OTHER MATERIALS DUCT LININGS (THERMAL AND ACOUSTICAL) FLEXIBLE VIBRATION-ISOLATION CONNECTORS, DUCT CONNECTORS, AND DUCT TAPE TO BE LOS ANGELES CITY APPROVED. FILTERS TO BE U.L. LISTED UNLESS IN A DWELLING UNIT.
5. CONDENSATE DRAIN (3/4" MINIMUM) TO LOS ANGELES CITY APPROVED RECEPTOR (ADDITIONAL DRAIN PAN OR THE OVERFLOW DRAIN REQUIRED IF COOLING COIL OR AIR-CONDITIONING UNIT IS LOCATED ABOVE THE CEILING) UMC 1205.
6. OUTSIDE AIR OPENINGS OUTSIDE AIR OPENINGS FOR HEATING AND AIR CONDITIONING EQUIPMENT TO BE AT LEAST 10' WAY FROM OPENINGS FOR TOILET EXHAUST, APPLIANCE VENTS OR 3' BELOW AND PLUMBING VENTS.
7. SHEET METAL:
 

RECTANGULAR DUCTS (MAX. VOL. 2000 FPM)					
SIZE OF DUCT	3-12	13-20	31-54	55-84	85+
GAGE	26	24	22	20	18

 • IF PRESS. RES. OVER 2" W.C., DUCTS SHALL BE TWO GAGES HEAVIER  

ROUND DUCTS						
SIZE OF DUCT	3-14	15-23	24-37	38-51	52-61	62-84
GAGE	26	24	22	20	18	16

 PRODUCT - CONVEYING DUCTS SHALL COMPLY WITH UMC SECTION 1107

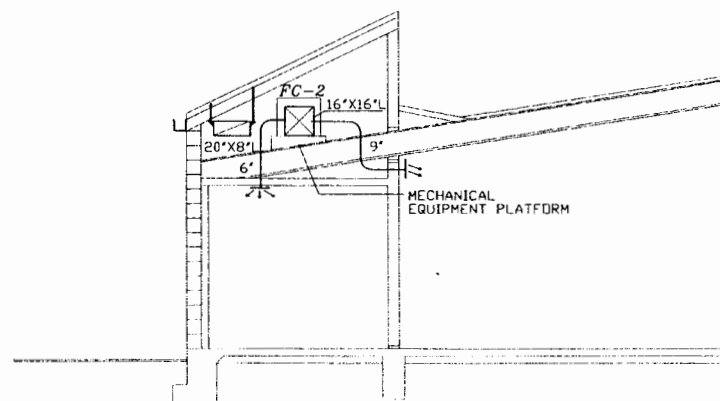
AIR CONDITIONING SCHEDULE														
SYMBOL	MFR AND MODEL	TON	EER	COOLING		HEATING BTUH		ELECTRICAL				LB	SEER	DIMENSION W X L X H
				BTU/HR	INPUT	COP	FLA	V	PH	CYC				
AC 1	PAYNE657AN042	3.5	-	41500	40000	3.3	24.5	230	1	60	368	12	18 1/2" X 14" X 30"	
AC 2	PAYNE,657AN048	4	-	47500	44000	3.5	35	230	1	60	411	12	18 1/2" X 14" X 30"	

CONDENSING UNITS SCHEDULE												
SYMBOLS	MFR AND MODEL NO	COOLING		HEATING BTUH		ELECTRICAL				WT. LB	FAN FLA	DIMENSION H X W X L
		INPUT	SEER	INPUT	COP	FLA	V	PH	CYC			
CU 1	PAYNE, 661B042	40500	10.0	42000	3.0	28	240	1	60	207	1.4	33 15/16" X 30" X 30"
CU 2	PAYNE, 661B060	56000	10.2	58000	3.18	30.8	240	1	60	237	1.4	39 15/16" X 30" X 30"
CU 3	PAYNE, 661B048	46000	10.0	58000	3.2	24.4	240	1	60	217	1.4	36 15/16" X 30" X 30"

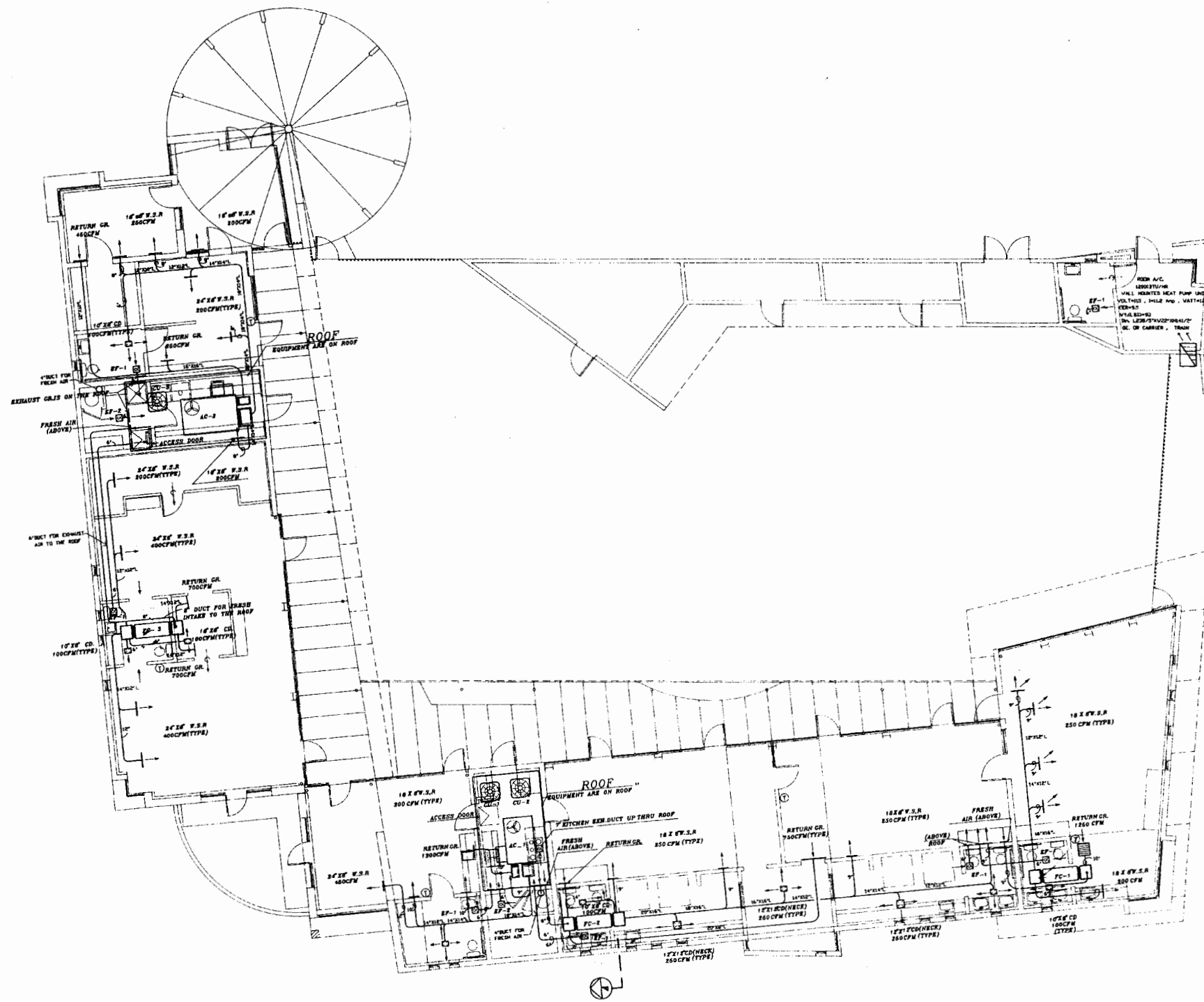
FAN COIL SCHEDULE											
SYMBOLS	MFR & MODEL NO	CFM	S.P.	ELECTRICAL					LB	SERVED	
				H.POWER	VOLT	PHASE	CYCLE	FLA			
FC 1	PAYNE, FB4ANB042	1400	0.5	1/2	240	1	60	3.4	147	CU 1	
FC 2	PAYNE, FB4ANB060	2000	0.5	3/4	240	1	60	5.4	168	CU 2	
FC 3	PAYNE, FB4NEB048	1600	0.5	3/4	240	1	60	5.5	158	CU 3	

EXHAUST FAN SCHEDULE											
SYMBOLS	MFR & MODEL NO	CFM	S.P.	ELECTRICAL					LB	SERVED	
				H.POWER	VOLT	PHASE	CYCLE	AMP			
EF-1	BREIDERT,BF-100	79	.25	---	120	1	60	1.0	15	INTERLOCK/SWITCH	
EF-2	VENCO, VO-125	199	.25	---	120	1	60	1.0	21	INTERLOCK/SWITCH	
EF-3	VENCO, VO-125	199	.25	---	120	1	60	1.0	21	INTERLOCK/SWITCH	

NOTE: VERIFY THE VOLTAGE AT THE JOB SIDE



DETAIL-A



**MUTLOW JUBANY ARCHITECTURE**  
 INTERIOR DESIGN  
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 FAX 213 864 4376

MECHANICAL ENGINEER  
**DEHIBI & ASSOC.**  
 4241 LAUREL CANYON BLVD., SUITE 202  
 VAN NUYS, CALIFORNIA 91411  
 TEL 818 380 9837

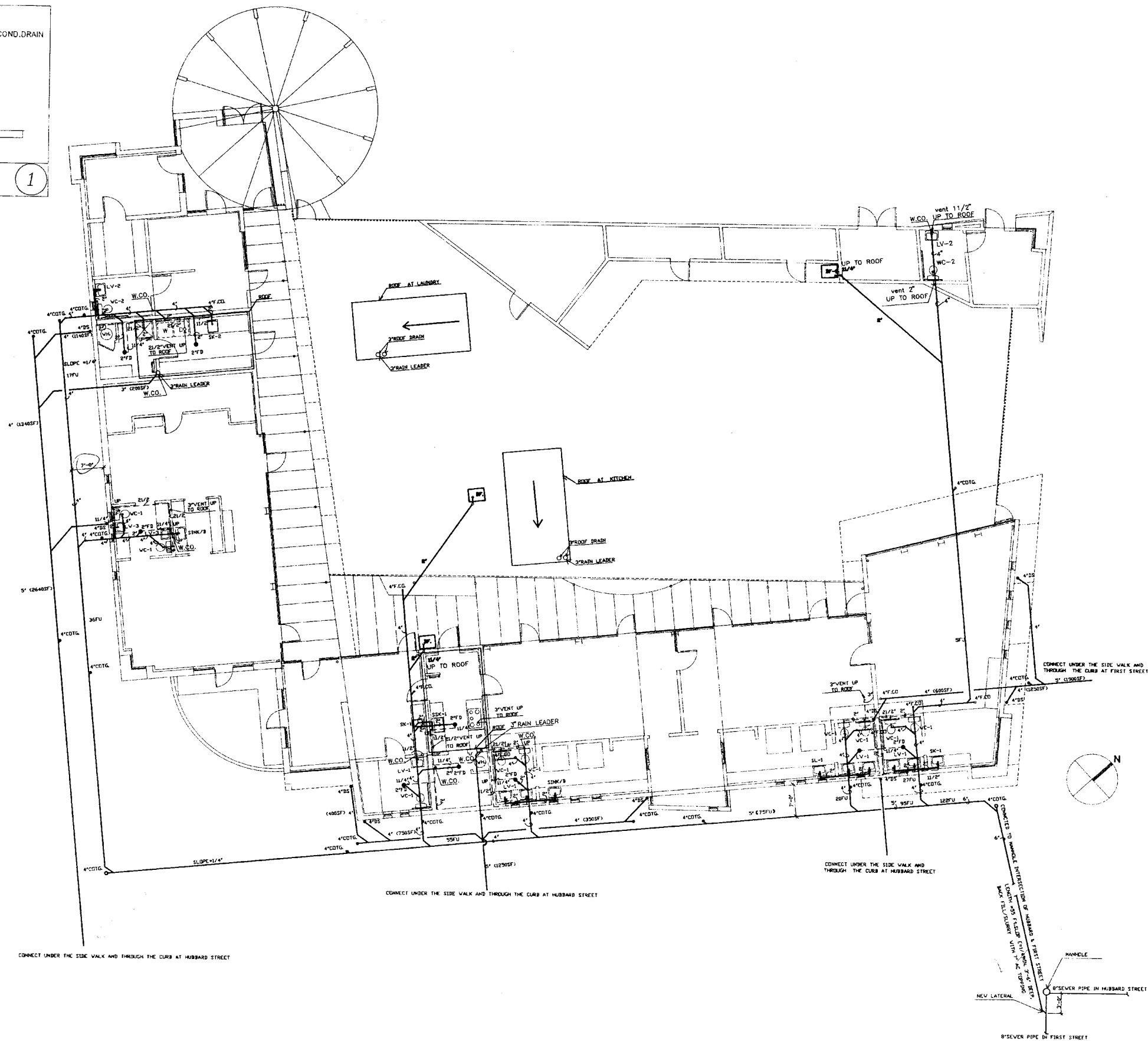
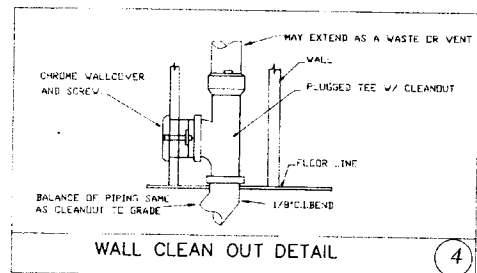
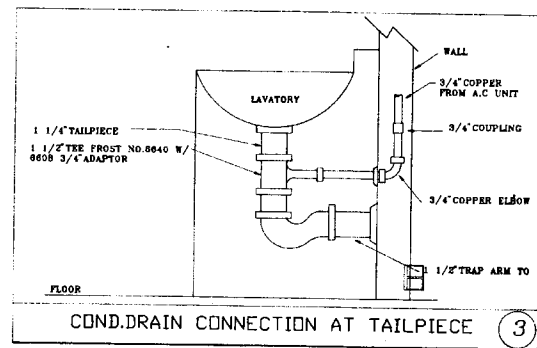
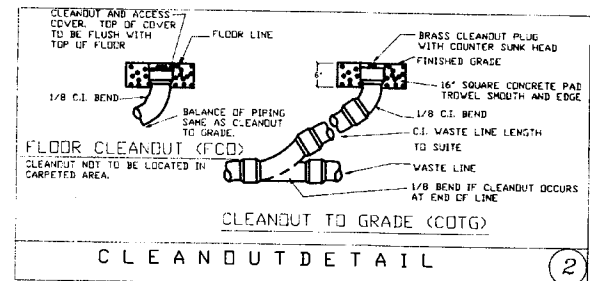
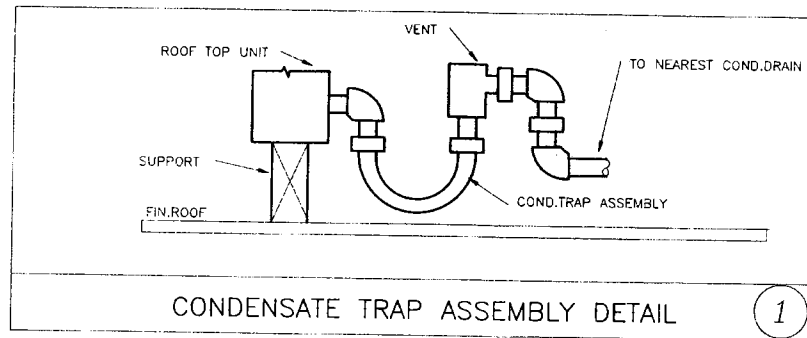
**MTA SYLMAR/SAN FERNANDO**  
 CHILD CARE FACILITY



REV.	DATE	BY	APP.

DATE 04.13.95  
 SCALE 1/8" = 1'-0"

**M2**



**MUTLOW JUBANY ARCHITECTURE**  
 ARCHITECTURE URBAN PLANNING INTERIOR DESIGN  
 2536 NORTH VERNON AVENUE  
 LOS ANGELES, CALIFORNIA 90027  
 TEL 213 664 4373  
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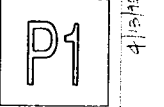
**MECHANICAL ENGINEER**  
**DEHIBI & ASSOC.**  
 4741 LAUREL CANYON BLVD., SUITE 202  
 NORTH HOLLYWOOD, CA 91607  
 TEL (818) 980-0807

**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**



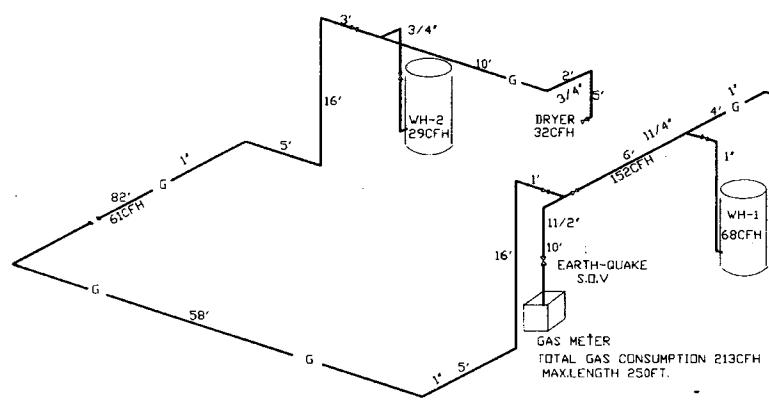
REV.	DATE	BY	APP.

**PLUMBING SEWER & SITE PLAN**  
 SCALE 1/8" = 1'-0"  
 DATE 04.13.95



SHEET 58 OF 62

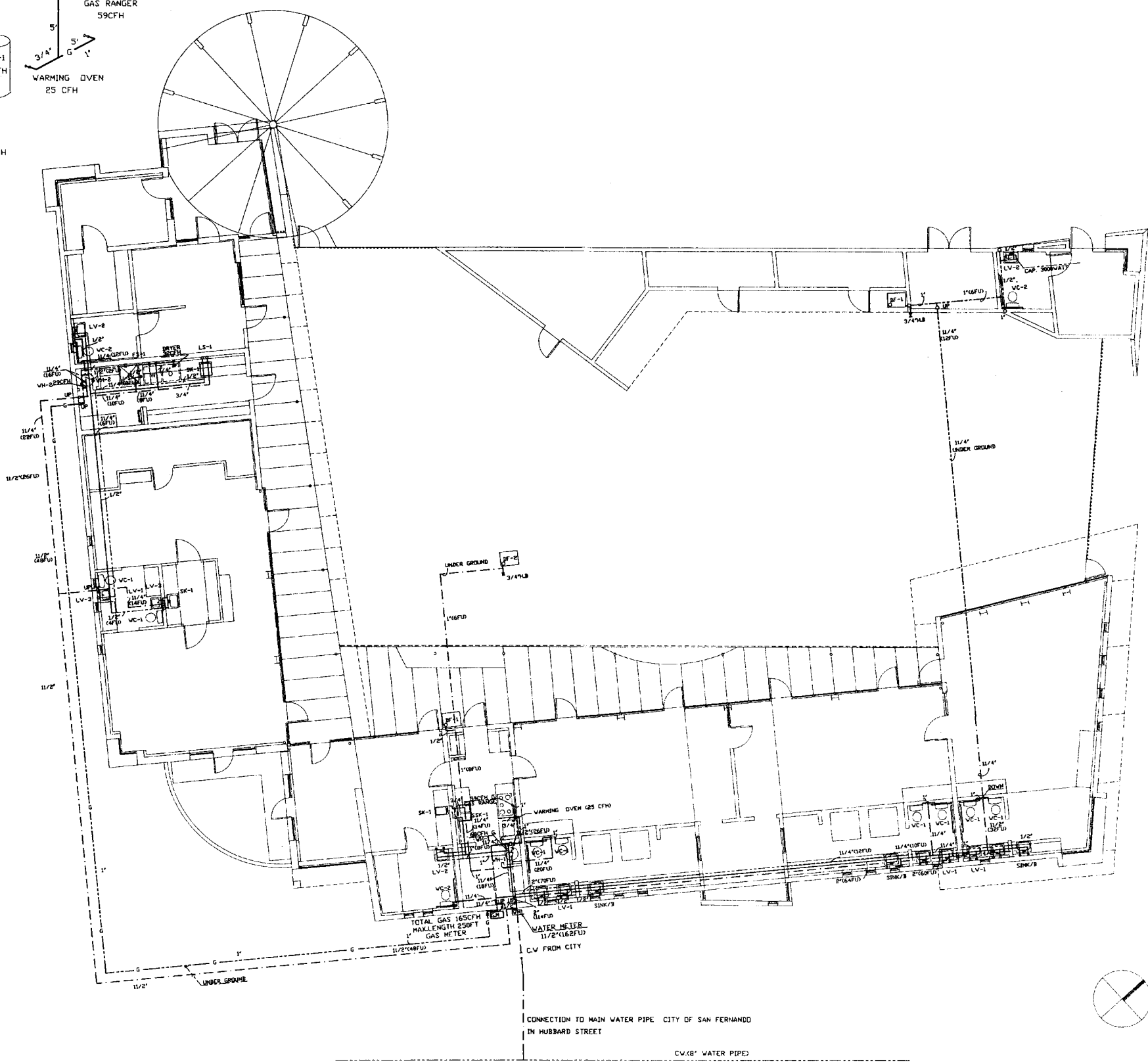
4/13/95



**GAS PIPING DIAGRAM**

**WATER PRESSURE CALCULATIONS**

Water Pressure:	Telephone:	Name:			
Max: 63	Min: 63	Elev: 15			
Developed LENGTH: 250 Ft.		Meter Size: 1 1/2"			
Pressure Reducing Valve:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			
Make:					
Make:	Model:	Size:			
Pressure:					
Reduced Pressure Back Flow Preventer Valve:					
Available Pressure:	63	54			
Residual Pressure:	20				
Loss Due to Elevation:	15	x.43 = 6			
Loss thru Meter:	8				
Loss thru Pressure Reducing Valve:					
Pressure Available for Friction Loss:	29				
Friction Loss Per 100 Ft.:	25	= 11.5			
Per 100 Ft.					
Pipe Size Schedule:	Fixture Units				
Type L	Copper	Type of Units Per			
Size	F. Tank	F. Valve			
		Number			
		Fixture			
		Fixture			
		Total			
1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4		
3/4"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14		
1"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	24		
1 1/4"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	54		
1 1/2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	216		
2"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	526		
2 1/2"	<input type="checkbox"/>	<input type="checkbox"/>			
3"	<input type="checkbox"/>	<input type="checkbox"/>			
4"	<input type="checkbox"/>	<input type="checkbox"/>			
5"	<input type="checkbox"/>	<input type="checkbox"/>			



**MUTLOW JUBANY ARCHITECTURE**  
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**MECHANICAL ENGINEER**  
**DEHIBI & ASSOC.**  
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 NORTH HOLLYWOOD, CA 91607  
 TEL: 818 986 0837

**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**



**PLUMBING FLOOR PLAN**

SCALE 1/8" = 1'-0" DATE 04.13.95

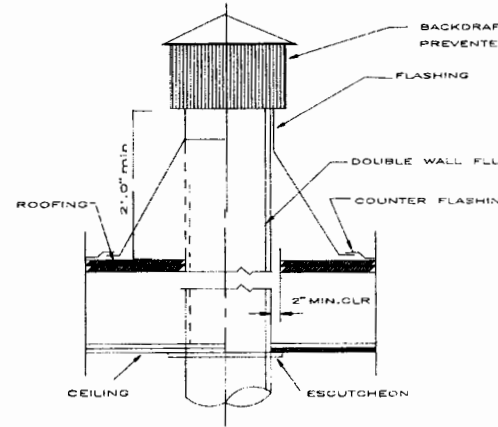


SHEET 39 OF 62

4/13/95



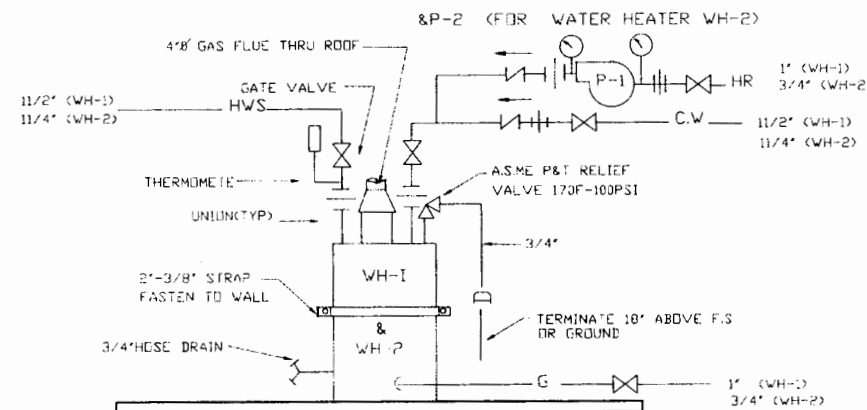
SCHEDULE OF LOCAL CONNECTION							
SYMBOLS	DESCRIPTION	MARK	COLD	HOT	WASTE	VENT	REMARKS
DO	WATER CLOSET	WC-1	1"	---	4"	2"	FLUSH VALVE FLOOR MOUNTED AMSTAN MODEL FOR CHILDEN CLASSROOM
□	LAVATORY	LV-1	1/2"	1/2"	2"	1 1/4"	FOR CHILDEN CLASSROOM
DO	WATER CLOSET	WC-2	1"	---	4"	2"	FLUSH VALVE FLOOR MOUNTED AMSTAN MODEL FOR OFFICE & TEACHER & BUS DRIVER ROOM
□	LAVATORY	LV-2	1/2"	1/2"	2"	1 1/4"	FOR OFFICE & TEACHER & BUS DRIVER ROOM
□	LAVATORY	LV-3	1/2"	1/2"	2"	1 1/4"	FOR INFANT & TODDLER ROOM
□	SINK	SK-1	1/2"	1/2"	2"	1 1/4"	FOR CHILDEN CLASSROOM
□	KITCHEN SINK	SSK-1	1/2"	1/2"	2"	1 1/4"	
□	LAUNDRY SINK	SK-2	1/2"	1/2"	2"	1 1/4"	
○	FLOOR DRAIN	---	---	---	2"	1 1/4"	
⊗	JANITOR SINK	J-SK	1/2"	---	2"	1 1/4"	
W	LAUNDRY	---	1/2"	1/2"	2"	1 1/4"	
D	DRYER	---	---	---	---	---	
DF	DRINKING FOUNTAIN	DF	1/2"	---	2"	1 1/4"	



FLUE THRU ROOF DETAIL 6

SYMBOLS AND ABBREVIATIONS	
SS	SOIL OR WASTE LINE BELOW GRADE
SS	SOIL OR WASTE LINE ABOVE GRADE
V	VENT LINE
CV	COLD WATER LINE
HW	HOT WATER LINE
HR	HOT WATER LINE RETURN
D	CONDENSATE DRAIN
G	GAS LINE
○	GROUND OR FLOOR CLEAN OUT
□	FLOOR SINK
□	FLOOR DRAIN
⊗	SHUT OFF VALVE ON RISER
○	PIPE DOWN
○	PIPE UP
⊗	SHUT OFF VALVE
⊗	CHECK VALVE
⊗	UNION
⊗	THERMOMETER
⊗	POINT OF CONNECTION
CFH	CUBIC FEET PER HOUR
DN	DOWN
EX	EXISTING
FCD	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FU	FIXTURE UNIT
HB	HOSE BIBB
GPM	GALLON PER MINUTE
VTR	VENT THRU ROOF
WCO	WALL CLEAN OUT
PRV	PRESSURE REDUCING VALVE
NTS	NOT TO SCALE
PDC	POINT OF CONNECTION

EQUIPMENT SCHEDULE	
1.	WATER HEATER MARKED WH-1 MODEL NO.FSG75A.D.SMITH 75000BTUH INPUT,68.5GAL PER HOUR RECOVERY AT 100F
2.	CIRCULATING PUMP MARKED P-1 B&G MODEL NO SC-75 10 GPM 10'HEAD 120-1-60 1/4 HP
3.	WATER HEATER MARKED WH-2 MODEL NO.FSG40A.D.SMITH 32000BTUH INPUT,29.5GAL PER HOUR RECOVERY AT 100F
4.	CIRCULATING PUMP MARKED P-2 B&G MODEL NO.SC-75 10 GPM 10'HEAD 120-1-60 1/4 HP



WATER HEATER PIPING DIAGRAM 5

ENERGY NOTES	
1.	THE CALIFORNIA NON-RESIDENTIAL ENERGY STANDARDS HAVE BEEN REVIEWED AND THE DESIGN, DRAWINGS AND CALCULATIONS COMPLY SUBSTANTIALLY WITH THESE STANDARDS.
2.	WATER HEATER SHALL HAVE A LABEL WHICH STATES THAT THE WATER HEATER MEETS THE REQUIREMENTS OF ASHRAE STANDARD 90-75. (PER T20-1520).
3.	CONTRACTOR SHALL PROVIDE A MAINTENANCE LABEL AFFIXED TO MECHANICAL EQUIPMENT AND SHALL PROVIDE MAINTENANCE MANUAL FOR THE OWNER'S USE. (PER T20-1517).
4.	ALL HOT WATER PIPING AND BRANCHES OVER 12' IN LENGTH SHALL BE INSULATED WITH R-4 OR BETTER AS FOLLOWS: 1" AND SMALLER: 1" THICKNESS 1/4" AND LARGER: 1/2" THICKNESS
PIPE MATERIAL	
1.	SOIL AND WASTE LINE: CAST IRON HUBLESS FOR INSIDE FOR OUTSIDE. VERIFY CLAY PIPE (V.C.P.) OR P.V.C. PLASTIC.
2.	VENT UNDERGROUND: CAST IRON ABOVE GROUND. SCHEDULE 40 GALVANIZED STEEL PIPE WITH BLACK CAST IRON SCREWED FITTINGS.
3.	HOT OR COLD WATER PIPING: COPPER TYPE "L" HARD ABOVE GROUND, COPPER TYPE "K" SOFT BELOW GROUND.
5.	CONDENSATE PIPE: COPPER.

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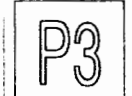
MECHANICAL ENGINEER  
DEHIBI & ASSOC.  
4741 LAUREL CANYON BLVD., SUITE 202  
BORTH HILLS, CALIFORNIA 91607  
TEL 818 880 8851

MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY



REV.	DATE	BY	APP.

PLUMBING DETAIL  
SCALE AS NOTED DATE 04.13.95



# FIXTURE SCHEDULE

FIXT. NO.	TYPE	NO. OF LAMP	WATTS PER LAMP	TOTAL WATTS	MTG.	MANUFACTURE	CATALOG NO.	COMMENTS
1	FL	2	33	70	REC	PRUDENTIAL	P-8602-4BRS -PRA-RW-120	①
2	FL	2	33	70	SURF	PRUDENTIAL	P-1222-4BRS -WA	①
3	FL	1	33	35	SURF	PRUDENTIAL	P-108-4BSL	①
4	FL	2	13	30	REC	DABBCO	733W26-GR/6	
5	FL	1	33	35	REC	PRUDENTIAL	P-8601-4BRS -PRA-RW-120	①②
6	FL	2	33	70	REC	PRUDENTIAL	P-8612-4BRS -PRA-RW-120	①
7	FL	1	33	35	SURF	PRUDENTIAL	P-108-4BSL -PBH.	①④
8	FL	2	13	30	REC	DABBCO	733W26-FA8 -DL	
9								OMITTED
10	FL	1	20	22	GND	DABBCO	8000-CPC-GR	
11	FL	2	13	30	WALL	DABBCO	MD3720WG-WH	
12	FL	2	13	30	WALL	DABBCO	MD3695-VP- -WC	
13	AC DC	2	7	15	WALL CLG.	DUAL LITE	EZ-SNAP KSR-EP-DC12	
14	MH	1	150	160	WALL	ELLIPTIPAR	M-101-150W- E-01-120V-Gr	DAMP LOCATION
15	MH	1	100	110	BRACKET	LITHONIA HI-TEK	TFS-100-120- YK	③
16	MH	1	400	450	BRACKET	LITHONIA HI-TEK	TV-400M-GP2 -120	③
17								OMITTED
18						SAUNDERS-ROE	BETALUX-E	W.P.
19	FL	2	9	20	SURF	DABBCO	4041-WA-WH	DAMP LOCATION
20								

- ① USE ELECTRONIC BALLAST AND T8 LAMPS.
- ② PROVIDE DIMMABLE BALLAST.
- ③ COORDINATE W./ ARCHITECT PRIOR TO ROUGH-IN FOR FIXTURE MOUNTING AND EXACT LOCATION. PROVIDE AS REQUIRED AT NO EXTRA COST.
- ④ PROVIDE A SEPARATE HOT WIRE DIRECTLY TO THE BATTERY.

# LEGEND

FLOOR	WALL	CLG.	DESCRIPTION
		○	LIGHT FIXTURE AND OUTLET.
		●	RECESSED, ROUND LIGHT FIXTURE AND OUTLET.
		□	FLUORESCENT LIGHT FIXTURE AND OUTLET, RECESSED.
		▭	FLUORESCENT LIGHT FIXTURE AND OUTLET, SURFACE MOUNTED.
		—	FLUORESCENT STRIP LIGHT FIXTURE AND OUTLET, SURFACE MOUNTED.
		⊙	EXIT LIGHT FIXTURE AND OUTLET. DIRECTIONAL ARROWS AS REQUIRED.
		⊙	LIGHT OUTLET CONNECTED TO THE EMERGENCY SYSTEM.
		○	FLOOD LIGHT AND W.P. JUNCTION BOX.
		S	SINGLE POLE SWITCH SUBSCRIPT INDICATES OUTLETS CONTROLLED ● + 3'-6". PROVIDE SEPARATE SWITCH FOR EACH IN GANG ASSEMBLY.
		S <sup>3</sup>	THREE WAY SWITCH ● + 3'-6".
		S <sup>M</sup>	SINGLE POLE TOGGLE MOTOR CONTROLLER ● 3'-6".
		S <sup>o</sup>	DIMMER - SOLID STATE TYPE.
		⊙	DUPLEX CONVENIENCE OUTLET ● + 15" UNLESS NOTED.
		⊙	DUPLEX OUTLET, G.F.I. ● + 15" UNLESS NOTED.
		⊙	FLOOR RECEPTACLE FLUSH WITH THE FLOOR. ● G.F.I.
		⊙	JUNCTION BOX SIZED ACCORDING TO CODE UNLESS NOTED.
		▭	LIGHTING PANEL BOARD.
		▭	MAIN TELEPHONE TERMINAL.
		▭	MOTOR CONTROLLER - SIZE AS SHOWN.
		▭	FUSED DISCONNECT SWITCH.
		▭	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH.
		◀	TELEPHONE OUTLET ● + 15" IN OFFICE ROOMS AND ● + 3'-6" IN CLASSROOMS.
		◀	INTERCOM OUTLET ● + 15" IN OFFICE ROOMS AND ● + 3'-6" IN CLASSROOMS.
		⊙	MOTOR OUTLET - CONNECT AS REQUIRED.
		⊙	FAN OUTLET.
		⊙	CLOCK OUTLET AND CLOCK ● + 8'-0".
		⊙	THERMOSTAT OUTLET ● + 3'-6".
		□	PUSH BUTTON.
		□	BUZZER FOR DOOR RELEASE.
		⊙	TELEVISION OUTLET.

# SYMBOL SCHEDULE

—	TELEPHONE CONDUIT 3/4" C MINIMUM UNLESS NOTED
—A-1.3	HOME RUN TO LIGHTING OR POWER PANEL A. CIRCUIT 1 & 3, 1/2" C-3 #12
—	CONDUIT HOME RUN TERMINAL CABINET
—	CONDUIT CONCEALED IN WALL OR CEILING UNLESS NOTED
—	CONDUIT CONCEALED IN FLOOR, UNDERGROUND OR UNDER FLOOR UNLESS NOTED
—	1/2" CONDUIT - 2 NO. 12 THWN COPPER UNLESS OTHERWISE NOTED
—	1/2" CONDUIT - 3 NO. 12 THWN COPPER
—	1/2" CONDUIT - 4 NO. 12 THWN COPPER
—	1/2" CONDUIT - 5 NO. 12 THWN COPPER
—	3/4" CONDUIT - 6 NO. 12 THWN COPPER
—	3/4" CONDUIT - 7 NO. 12 THWN COPPER
—	3/4" CONDUIT - 8 NO. 12 THWN COPPER
—	CONDUIT STUB-OUT AND CAP - DIMENSION LOCATION
—	GROUND, SIZE AS SHOWN.
⊙	ROOM NUMBER
③	THREE FIXTURES TYPE 2
W.P.	WEATHER PROOF
5" BOX	4 - 1 1/16" SQ. X 2 - 1/8" D. BOX
V.L.	VERIFY LOCATION IN THE FIELD
N.L.	NIGHT LIGHT
+44"	DISTANCE FROM CENTERLINE OF OUTLET TO FINISHED FLOOR UNLESS NOTED
CU.	COPPER CONDUCTOR
M.H.	MOUNTING HEIGHT - FLOOR TO BOTTOM OF FIXTURE
E.C.	ELECTRICAL CONTRACTOR
F.B.O.	FURNISHED BY OTHERS. INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR
C.O.	CONDUIT ONLY WITH PULL WIRE
N.I.T.S.	NOT IN THIS SECTION
N.T.S.	NOT TO SCALE
—	CONDUIT UP
—	CONDUIT DOWN
U.G.	UNDERGROUND

# ELECTRICAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS AND THE EXACT NATURE AND EXTENT OF THE WORK TO BE DONE, TAKING INTO ACCOUNT ANY SPECIAL OR UNUSUAL FEATURES PECULIAR TO THIS JOB.
- IT IS THE INTENT OF THESE DRAWINGS THAT THIS BE A COMPLETE ELECTRICAL JOB. OMISSION SHALL BE BROUGHT TO THE ATTENTION OF THE MTA PRIOR TO BIDDING TO JOB.
- CONTACT POWER, TELE. AND CABLE T.V. CO. AND INSTALL SERVICES AS PER UTILITY CO. REQUIREMENTS, PAY FEES.
- THE CONTRACTOR SHALL EXAMINE THE CONTRACT PLANS IN ORDER TO LOGICALLY LOCATE WORK IN COORDINATION WITH CONSTRUCTION SUCH AS CABINETS, BEAMS, FURRING, DOOR SWING, E.T.C.
- EXACT LOCATION OF ALL EQUIPMENT SHALL BE VERIFIED IN THE FIELD.
- OVERCURRENT PROTECTION AND DISCONNECTING MEANS FOR ALL MOTORS SHALL BE INSTALLED TO COMPLY WITH ELECTRICAL CODE AND EQUAL TO MOTOR H.P.
- ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE WEATHERPROOF.
- CONDUIT SHALL BE CLEAN OF WATER, DEBRIS, AND OTHER FOREIGN MATERIAL PRIOR TO PULLING CABLES.
- CONDUIT WHICH ARE INSTALLED AT THIS TIME AND LEFT EMPTY FOR FUTURE USE, INCLUDING TELEPHONE AND INTERCOMMUNICATION SYSTEM, SHALL HAVE NYLON PULL ROPE LEFT IN PLACE FOR FUTURE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PHASE OF THE BRANCH CIRCUITS OF PANELS.
- ALL PANELS SHALL HAVE HINGED DOORS. HOUSE PANELS SHALL HAVE LOCKABLE DOORS. INSTALL A TYPED DIRECTORY IN ALL PANELS.
- ALL SWITCHES AND METERBOARDS SHALL BE BRACED TO WITHSTAND THE AVAILABLE SHORT CIRCUIT CURRENT AS INDICATED.
- ALL FUSES SHALL BE CURRENT LIMITING CLASS "T" EQUAL TO BUSS "JUN" OR EQUAL UNLESS NOTED.
- ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY AS INDICATED.
- ALL PULL BOX SIZES SHALL BE PER POWER COMPANY REQUIREMENTS.
- MANUFACTURER SHALL COMPLY WITH DESIGN SPECIFICATIONS.
- MAXIMUM AVAILABLE FAULT CURRENT IS: 21,000A.
- FUSEHOLDERS SHALL BE DESIGNED FOR CLASS "T" FUSES.
- PROVIDE (2) TWO KEYS WITH EACH PANEL BOARD.
- PROVIDE CARD HOLDERS ON INSIDE THE DOORS OF PANELBOARDS FOR INDEX CARDS.
- ALL BALLASTS AND LAMPS MUST BE ENERGY SAVING AS PER SECTION 2-5314.
- PRIOR TO ROUGH-IN OF ALL LIGHT FIXTURES, VERIFY EXACT LOCATION WITH ARCHITECT.
- ALL CONTINUOUS ROWS OF FLUORESCENT FIXTURES SHALL BE WIRED WITH "RHIF" OR "AVA" WIRES.
- PROVIDE ELECTRONIC BALLAST FOR ALL FLUORESCENT FIXTURES. HID FIXTURES BALLAST MUST HAVE THE QUIETEST SOUND RATING AVAILABLE AND LOWEST HEAT AVAILABLE AND U.L. APPROVED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING PROPER TYPES OF TRIM FOR ALL RECESSED FLUORESCENT FIXTURES TO FIT CEILING. VERIFY COLOR WITH ARCHITECT PRIOR TO ORDERING.
- ALL FIXTURES SHALL BE U.L. LABELED.
- ACRYLIC LENS SHALL BE 100% PURE, VIRGIN ACRYLIC.
- ALL LIGHTING FIXTURES SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
- FINISH OF TRIMS OF ALL INCANDESCENT FIXTURES SHALL MATCH CEILING FINISH.
- RECESSED FIXTURES SHALL BE PRE-WIRED TO ATTACHED J-BOX IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. FIXTURES SHALL BE APPROVED FOR MAXIMUM NUMBER OF WIRES GOING IN AND OUT OF THE FIXTURE AS SHOWN ON PLANS.
- CONTRACTOR SHALL VERIFY THE TYPE OF CEILING BEFORE ORDERING ANY FIXTURES. HE IS FULLY RESPONSIBLE TO PROVIDE ALL MOUNTING BRACKETS, CEILING CONDITIONS, AT NO EXTRA CHARGE TO THE OWNER.
- PROVIDE DIMMING BALLAST FOR ALL FLUORESCENT FIXTURES TO BE DIMMED.
- STEM LENGTHS OF PENDANT FIXTURES SHALL BE ONE PIECE WITHOUT COUPLINGS, WITH FINISH TO BE VERIFIED WITH ARCHITECT, WITH SWIVEL HANGER LEGALLY APPROVED FOR WEIGHT SUPPORTED.
- ALL OUTLETS IN CLASSROOM AREAS SHALL BE TAMPER PROOF.
- ELECTRICAL CONTRACTOR MUST COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR ALL THEIR EQUIPMENT FOR POWER AND CONTROLS. HE MUST PROVIDE AS DIRECTED FOR A COMPLETE, APPROVED AND OPERABLE INSTALLATION AT NO EXTRA COST.

**MUTLOW JUBANY ARCHITECTURE**  
 ARCHITECTURE URBAN PLANNING  
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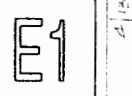
**ELECTRICAL ENGINEER**  
**PALMIERI VORGAS**  
 1000 W. 10TH AVENUE  
 SOUTH PASADENA, CALIFORNIA 91080  
 TEL 818 441 1752  
 JOB # 17076

**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**



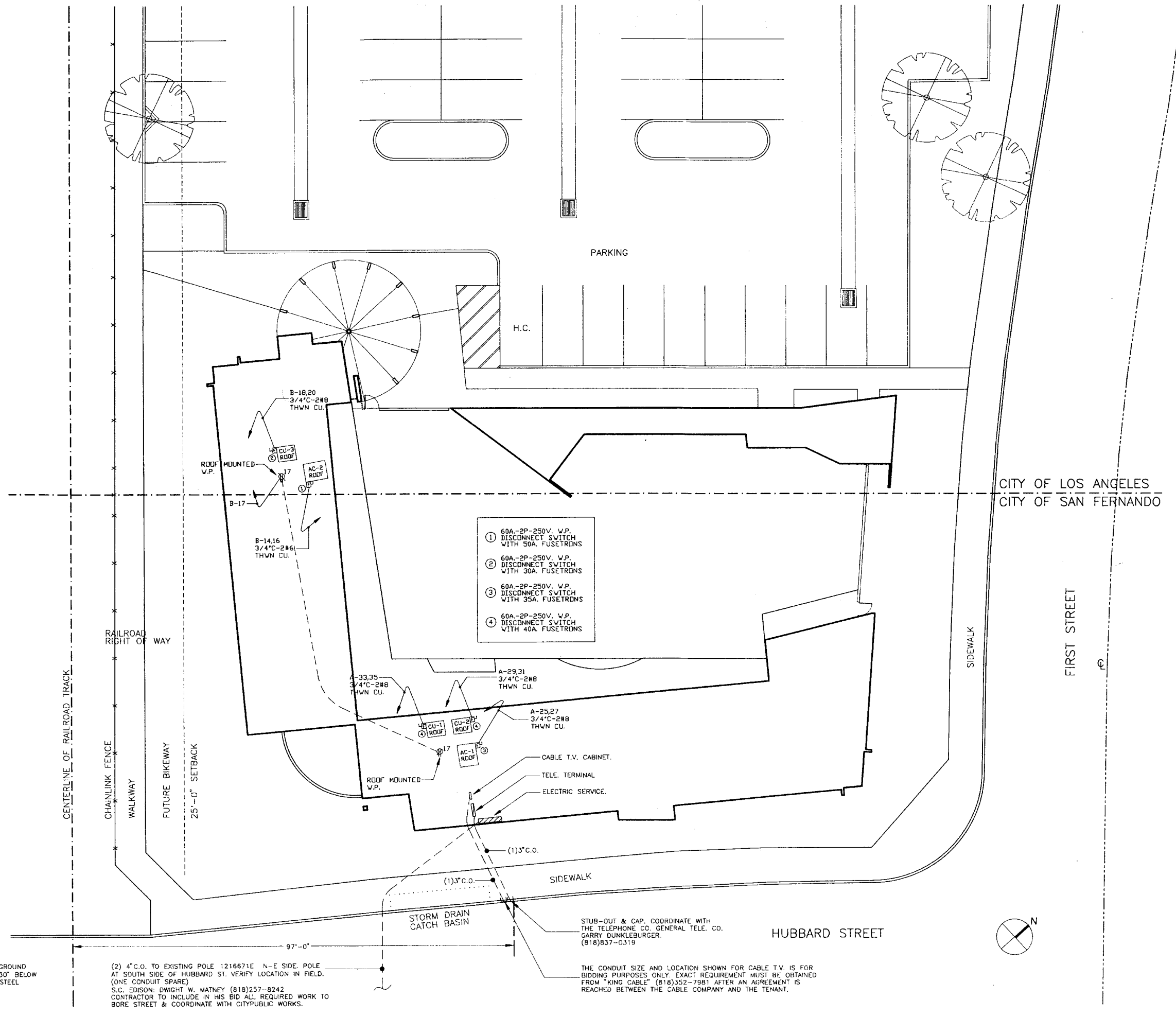
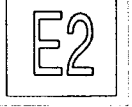
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ELECTRICAL NOTES  
 SCALE N.T.S. DATE 04.13.95





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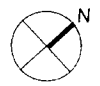


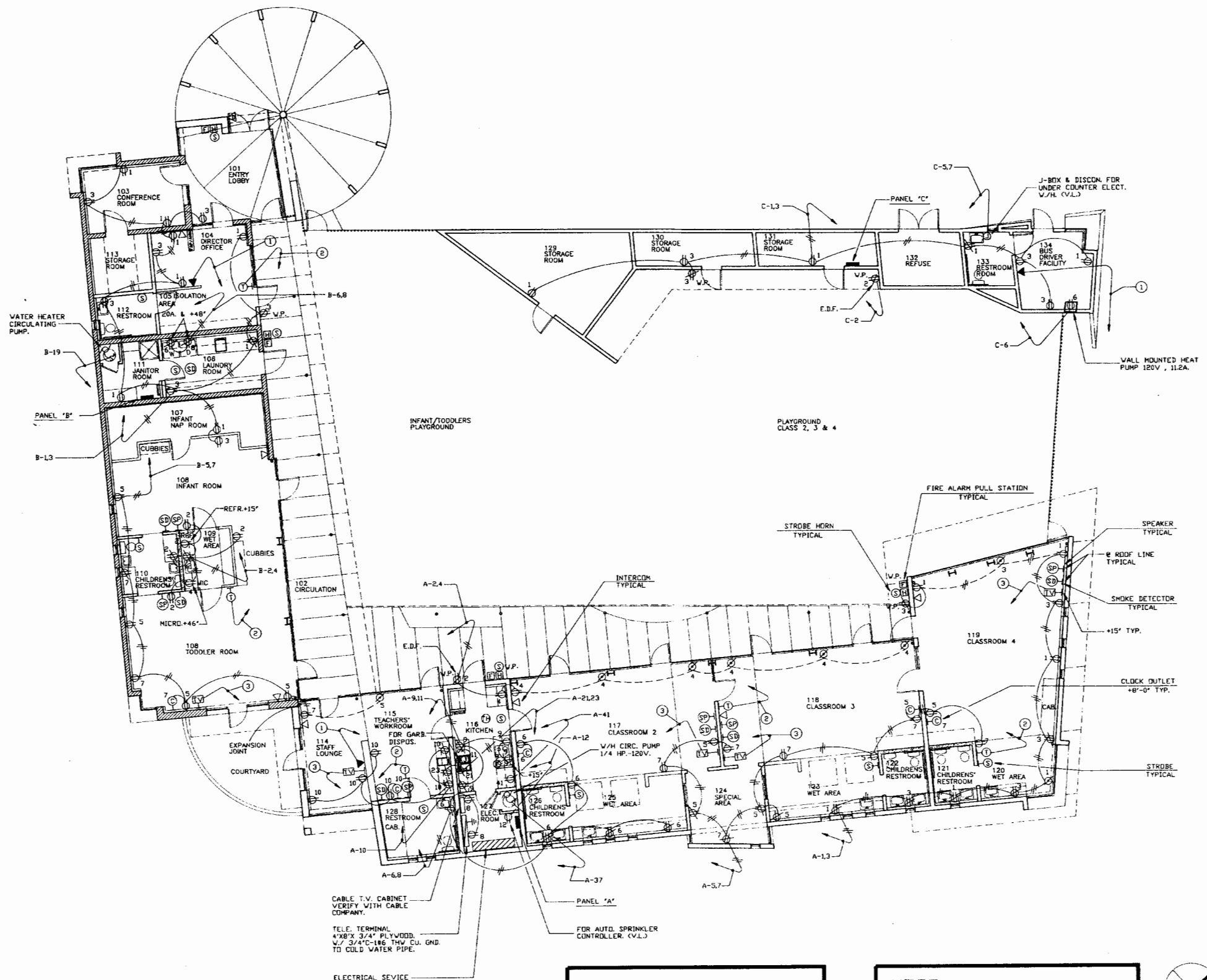
**NOTE:**  
 ELECTRIC, TELEPHONE AND CABLE T.V. UNDERGROUND SERVICE CONDUITS SHALL BE A MINIMUM OF 30" BELOW FINISHED GRADE. THEY SHALL ALL BE RIGID STEEL GALVANIZED CONDUITS.

(2) 4" C.O. TO EXISTING POLE 1216671E N-E SIDE, POLE AT SOUTH SIDE OF HUBBARD ST. VERIFY LOCATION IN FIELD. (ONE CONDUIT SPARE)  
 S.C. EDISON: DWIGHT W. MATNEY (818)257-8242  
 CONTRACTOR TO INCLUDE IN HIS BID ALL REQUIRED WORK TO BORE STREET & COORDINATE WITH CITY PUBLIC WORKS.

STUB-OUT & CAP. COORDINATE WITH THE TELEPHONE CO. GENERAL TELE. CO. GARRY DUNKLEBURGER. (818)837-0319

THE CONDUIT SIZE AND LOCATION SHOWN FOR CABLE T.V. IS FOR BIDDING PURPOSES ONLY. EXACT REQUIREMENT MUST BE OBTAINED FROM "KING CABLE" (818)352-7981 AFTER AN AGREEMENT IS REACHED BETWEEN THE CABLE COMPANY AND THE TENANT.





- ① 1" CONDUIT WITH TELEPHONE CABLE TO TELEPHONE TERMINAL.
- ② 1/2" CONDUIT TO CORRESPONDING MECHANICAL EQUIPMENT.
- ③ 1" CONDUIT TO CABLE T.V. CABINET.

**NOTE:**  
 ELECTRICAL CONTRACTOR MUST VERIFY ELECTRICAL ROOM LAY-OUT FOR SIZE PRIOR TO CONSTRUCTION. HE MUST INFORM THE ARCHITECT AND ENGINEER FOR ANY SPACE PROBLEM. IF NOT HE WILL BE FULLY RESPONSIBLE.

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 1810 SOUTH FAIR OAKS AVENUE  
 SOUTH PASADENA, CALIFORNIA 91030  
 TEL 818 441 1752  
 JOB # 11076

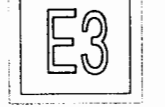
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**CHILD CARE FACILITY**

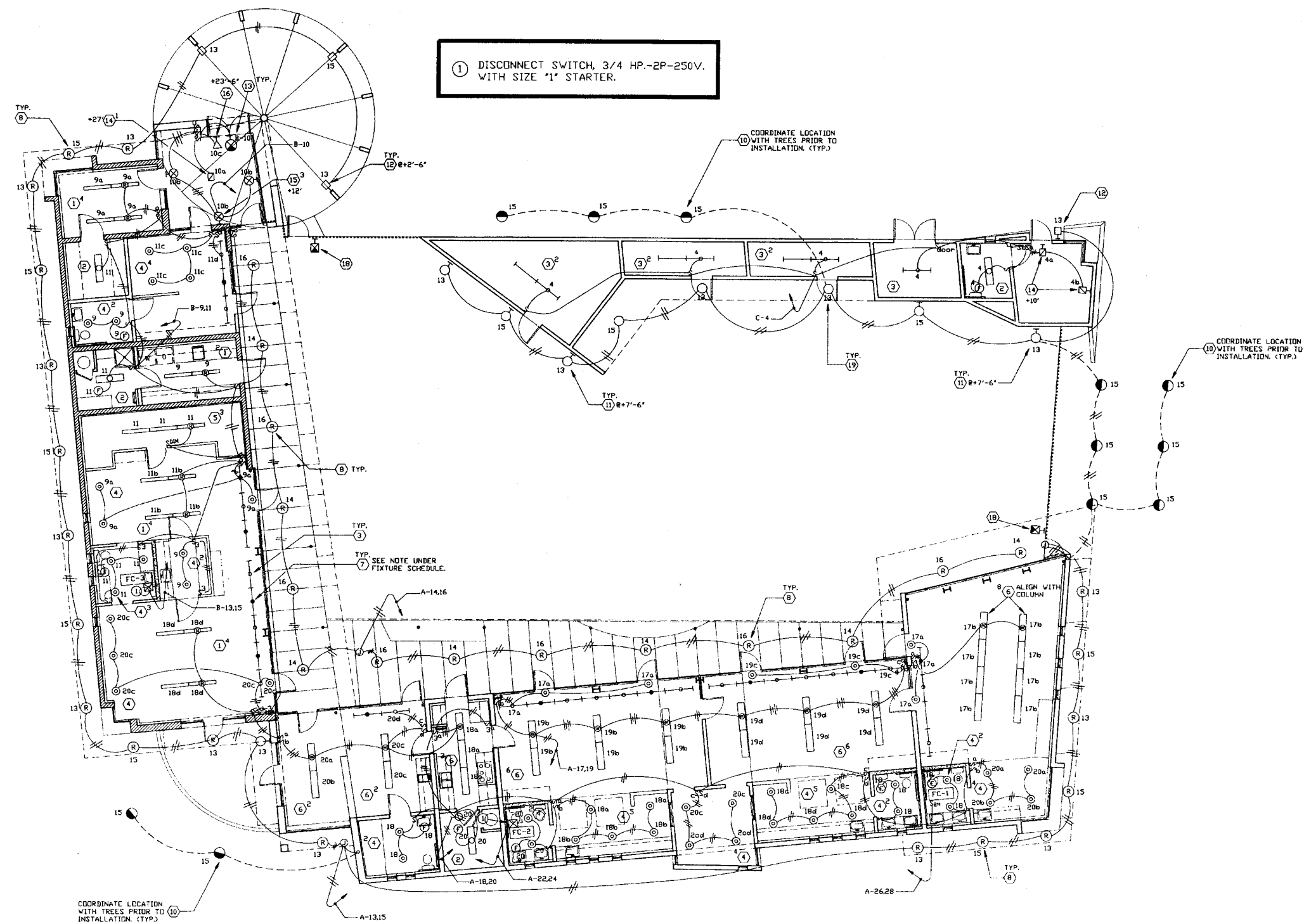


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DATE 04.13.95  
 SCALE 1/8"=1'-0"

**ELECTRICAL POWER PLAN**  
 SCALE 1/8"=1'-0" DATE 04.13.95





1 DISCONNECT SWITCH, 3/4 HP.-2P-250V. WITH SIZE #1 STARTER.

NOTE:  
ELECTRICAL CONTRACTOR TO OBTAIN APPROVAL FOR LOCATIONS OF ALL LIGHTS AND SWITCHES FROM ARCH. PRIOR TO ROUGH-IN. MAKE ALL ADJUSTMENTS AS DIRECTED AT NO EXTRA COST.

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CAGUIBAN 31030  
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JOB # 17075

**MTA SYLMAR/SAN FERNANDO**  
CHILD CARE FACILITY

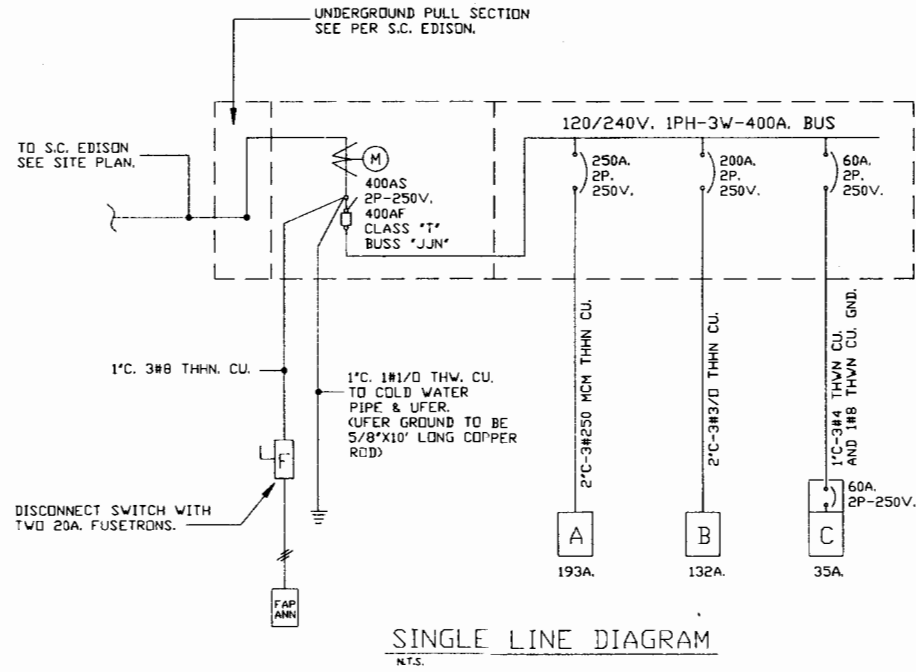


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**ELECTRICAL LIGHTING PLAN**  
SCALE 1/8" = 1'-0" DATE 04.13.95



SHEET 44 OF 62

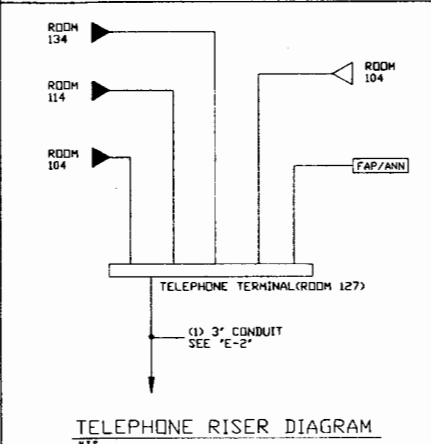
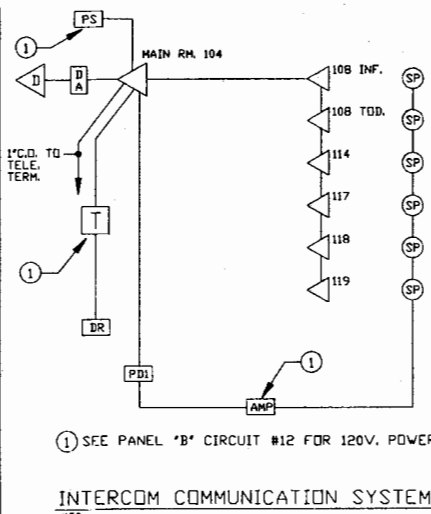


NOTE FOR SINGLE LINE DIAGRAM

- 1-AVAILABLE FAULT CURRENT AS PER S.C. EDISON. DWIGHT W. MATNEY (805)257-8242, IS 21000A.
- 2-BRACE EQUIPMENT FOR 25,000A.
- 3-EQUIPMENT SHALL BE RATED FOR 75°

NOTE:

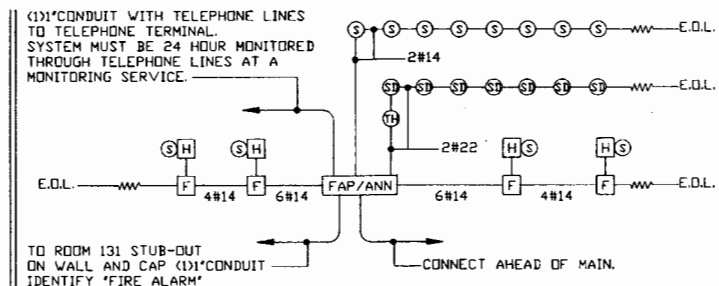
MAIN BREAKERS AND PANEL BREAKERS SHALL HAVE AN INTERRUPTING CAPACITY OF 22,000A. EQUAL TO "SQUARE D" "QD" SERIES WITH A SERIES RATING APPLIED. THEY SHALL BE FIELD MARKED IN ACCORDANCE WITH 1990 N.E.C. SECTION 110-22. MARKING SHALL READ "CAUTION, SERIES RATED SYSTEM"



BATTERY CALCULATIONS

QTY	DESCRIPTION	MODEL #	STANDBY AMPS.	ALARM AMPS.	TOTAL STANDBY	TOTAL ALARM
1	CONT. UNIT	EE 300	0.14	0.218	0.14	0.218
1	ZONES S.D. INCLUDED	Zsa	0.035	0.035	0.035	---
2	SIGNAL UNIT	D2P	0.08	0.035	0.035	0.07
1	POWER MONITOR	PT	0.004	---	0.004	---
1	AUX. RELAY	KBP	---	0.120	---	0.120
8	STROBES	VMIT-VM	---	0.03	---	0.24
4	STROBE HORN	EHS-DLI	---	0.50	---	0.2
					0.214	0.848

STANDBY FOR 24 HRS. = 5.136  
ALARM FOR 5 MINUTES = 0.09  
TOTAL AH BATTERY REQUIRED = 5.226 AH



FAP/ANN	FIRE ALARM CONTROL PANEL & ANNUNCIATOR	GAMEWELL EE300	7165-128B113
F	PULL STATION	GAMEWELL M46-29	7150-128B111
H/S	STROBE HORN	GAMEWELL EH-DLI	7135-0785412
S	STROBE	GAMEWELL VMIT-VM	7300-0785011
SD	SMOKE DETECTOR	GAMEWELL R7 W/ BASE 30765	7272-128B115
TD	TERMAL DETECTOR	GAMEWELL D9 W/ 277 BASE	7272-128B116

WORST CASE VOLTAGE DROP CALCULATIONS

VOLTAGE DROP = AMP. OF STROBE HORN X NO. OF STROBE HORNS X 21.6 X DISTANCE / CIRCULAR MILLS

VOLTAGE DROP % = VOLTAGE DROP / APPLIED VOLTAGE X 100

VOLTAGE DROP % = (0.05 X 4 X 21.6 X 200) / 4110 X 24 X 100 = 0.9 %

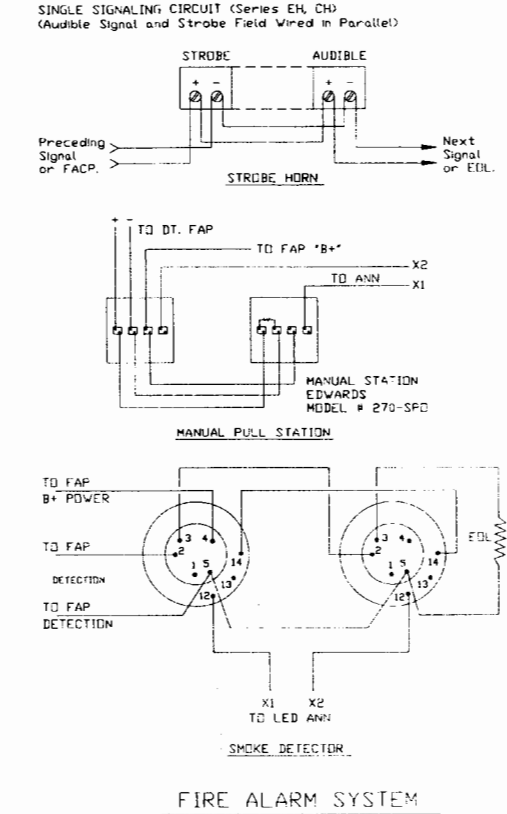
SEQUENCE OF OPERATION

	INDICATE ZONE ON F.A.C.P.	INDICATE ZONE ON A.N.N. PANEL	ACTIVATE SIGNAL CIRCUIT STROBE, STROBE HORN	ACTIVATE TROUBLE CONDITION	INDICATE AT CENTRAL STATION
MANUAL STATION	YES	YES	YES	YES	YES
SMOKE DETECTOR	YES	YES	YES	YES	YES

NOTES:

1. ALL WIRING, ANNUNCIATING DEVICES AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION (F/A PANEL TO SUPERVISE THE ANN. PANEL ALL CIRCUITS AND INITIATING DEVICES)
2. WIRING SHALL NOT BE LOOPED THROUGH DEVICES, WRE MUST BE CUT FOR IN AND OUT.
3. POINT AND COMMON ANNUNCIATION AND T-TAPPING PROHIBITED
4. ELECTRICAL/FIRE ALARM CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE AND INSTALL A SYSTEM THAT IS ACCEPTED AND APPROVED BY THE FIRE DEPARTMENT. HE SHALL PROVIDE AS DIRECTED AT NO EXTRA COST.
5. FIRE ALARM FAP/ANN SHALL HAVE TWO SPARE INPUT MODULES FOR FUTURE INPUTS.

TYPICAL DEVICE CONNECTIONS



PANEL "A"	VOLT: 120/240V. 1φ 3W	BUS: 400A	MAIN: LUGS ONLY
ROOM 119-123 (N)	5	20	1
ROOM 117-124 (N)	6	1	5
ROOM 116 AND HOOD FAN (N)	4	1	9
ROOM 118 (GARIBAGE DISPOSER) (N)	1	20	11
EXTERIOR (C)	18	20	1
EXTERIOR (C)	22	20	15
ROOM 117,118,119 (C)	23	20	17
ROOM 117,118,119 (C)	21	20	19
ROOM 116 (N)	1	20	21
ROOM 115 (N)	1	20	23
A/C-1 (N)	50	25	25
CU-2 (C)	60	29	29
CU-1 (N)	60	33	33
WATER HEATER PUMP 1/4 HP. (N)	1	15	37
ROOM 116 (N)	1	20	41
CONNECTED VA:	A: 22510	B: 20370	TOTAL: 42880 VA
CONNECTED VA W/LCL:	A: 24170	B: 22090	TOTAL W/LCL: 46260 VA

PANEL "B"	VOLT: 120/240V. 1φ 3W	BUS: 200A	MAIN: LUGS ONLY
ROOM 101-108 (N)	7	20	1
ROOM 108-115 (N)	5	20	5
ROOM 103-110 (C)	22	2	9
ROOM 103-110 (C)	19	2	11
FC-3 3/4 HP. (N)	1	20	13
ROOF (N)	2	20	17
WATER HEATER PUMP 1/4 HP. (C)	1	15	19
SPACE			21
SPACE			23
SPACE			25
SPACE			27
SPACE			29
SPACE			31
SPACE			33
SPACE			35
SPACE			37
SPACE			39
SPACE			41
CONNECTED VA:	A: 14785	B: 13915	TOTAL: 28700 VA
CONNECTED VA W/LCL:	A: 16435	B: 15305	TOTAL W/LCL: 31740 VA

PANEL "C"	VOLT: 120/240V. 1φ 3W	BUS: 100A	MAIN: 60A. BREAKER
ROOM 129-134 (N)	4	20	1
WATER HEATER (C)	1	20	5
SPACE (C)			7
SPACE (C)			9
SPACE (C)			11
SPACE (C)			13
SPACE (C)			15
SPACE (C)			17
SPACE (C)			19
SPACE (C)			21
SPACE (C)			23
SPACE (C)			25
SPACE (C)			27
SPACE (C)			29
SPACE (C)			31
SPACE (C)			33
SPACE (C)			35
SPACE (C)			37
SPACE (C)			39
SPACE (C)			41
CONNECTED VA:	A: 4265	B: 2835	TOTAL: 7100 VA
CONNECTED VA W/LCL:	A: 4975	B: 3365	TOTAL W/LCL: 8340 VA

- 1 ON PHOTO CELL, MOUNT PHOTO CELL OR ROOF FACING NORTH.
- 2 ON TIME CLOCK, ADJUST AS DIRECTED. MOUNT TIME CLOCK BELOW PANEL
- 3 ON TIME CLOCK, ADJUST AS DIRECTED. MOUNT TIME CLOCK BELOW PANEL

MUTLOW JUBANY ARCHITECTURE  
ARCHITECTURE URBAN PLANNING  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CALIFORNIA 90027

ELECTRICAL ENGINEER  
PALMER VORGAS  
100 SOUTH PASADENA, CALIFORNIA 91030  
TEL. 818 441 1752  
JOB # 17076

MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY

SINGLE LINE DIAGRAM  
FIRE ALARM SYSTEM

SCALE AS NOTED DATE 04.13.95

REV. DATE BY APP.

SHEET 45 OF 62

**GENERAL CONSTRUCTION NOTES**

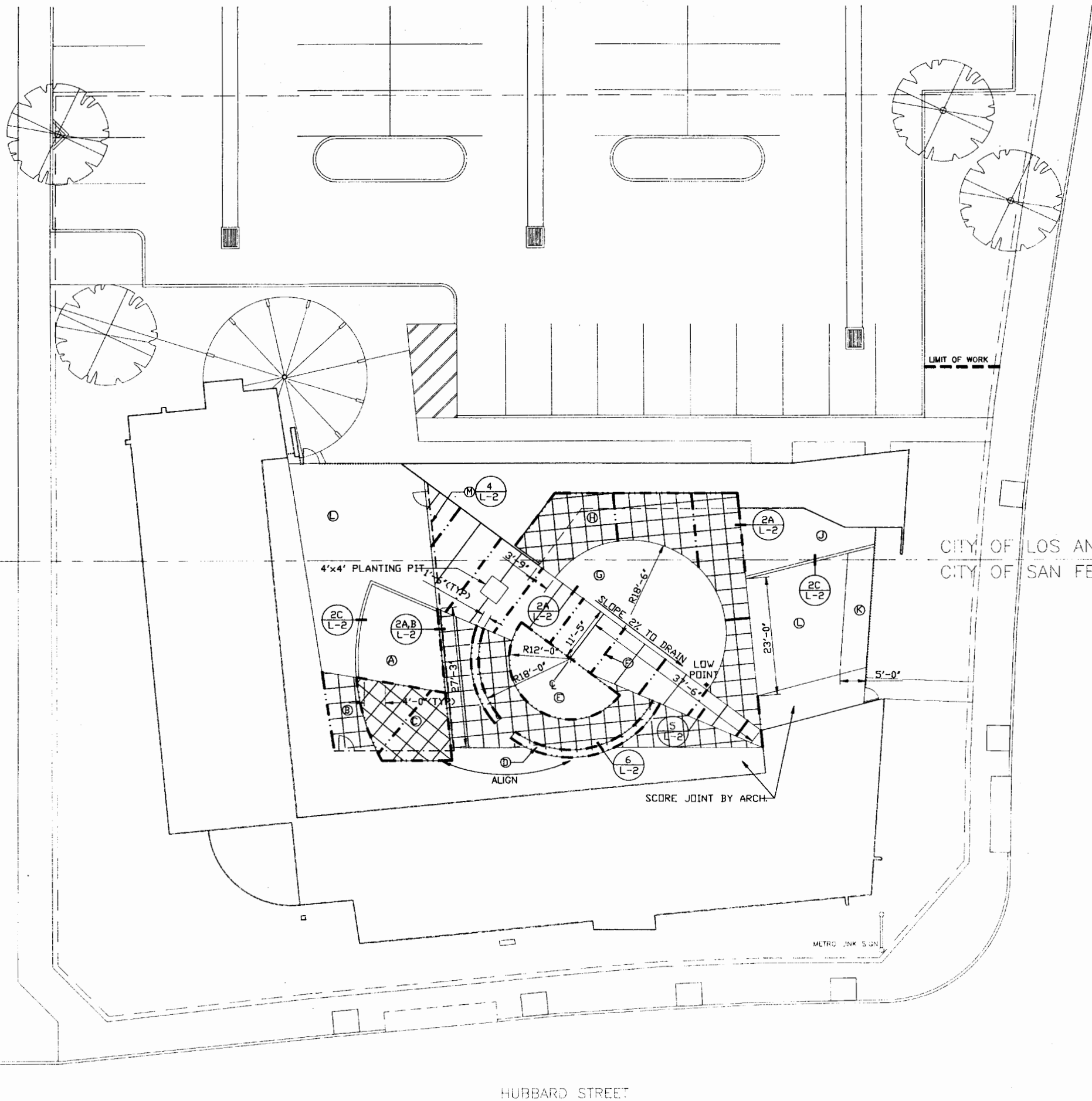
1. All dimensions are taken from face of paving, curb and wall unless otherwise noted. All walls, walks and concrete bands shall have smooth, continuous curves without abrupt change or bend.
2. All form work and alignment of paving and bands shall be inspected and approved by the Landscape Architect prior to pouring. Give a minimum of 48 hours notice.
3. For site grading see Civil's Grading Plan.
4. Contractor shall verify locations of all underground utilities, pipes and structures prior to construction and shall be held liable for all damages incurred.
5. Contractor shall note and install sleeve locations shown on irrigation plan and construction plans.
6. All construction and workmanship shall conform to the latest edition of Uniform Building Code, and all Federal, State and Local codes and ordinances.
7. Contractor must check all dimensions and site conditions before starting work. Contractor shall not willfully proceed with construction as designed when unknown obstructions, area of discrepancies and/or grade differences exist that may not have been known during design. Contractor shall notify Owner's authorized representative or Landscape Architect immediately of any discrepancies. Otherwise, contractor shall assume full responsibility for all revisions.
8. The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc. is the sole responsibility of the contractor. Observation visits to the job site by the Landscape Architect, if requested by the Owner, shall not include inspection of construction methods and safety conditions at the work site. These visits shall not be construed as continuous and detailed inspections.
9. Design, materials, equipment and products other than those described below or indicated on the drawings may be considered for use, provided prior approval is obtained from the owner, Landscape Architect and the applicable governing code authority.
10. All paved and finely graded planting areas shall slope to drain. See Planting Plan Sheet L-3 for drain locations.
11. General contractor shall be responsible for keeping all pedestrians free from any danger.
12. Install expansion joints whenever concrete sub-slab meets walls, floors, columns, or other paving materials. E.J. every 100'.
13. Compressive strength of concrete shall be 2,500 psi.
14. Contractor shall submit 2' x 2' sample of all paving finishes and colors with joints in place. All samples shall be approved by Landscape Architect prior to construction.

**CONSTRUCTION CALL-OUTS**

- (A) Construct toddler sand play lot w/ concrete with smooth finish, Scafield integral color. See detail 2, Sheet L-2.
- (B) Construct concrete paving with medium broom finish, Scafield integral color. Saw cut 3' x 3' grid in the same direction as the scoring pattern on the canopied concrete walkway as shown. See detail 1, Sheet L-2.
- (C) Construct concrete paving as above. Saw cut at 45 degree relative to the wrought iron fence M.
- (D) Construct 12" high, 18" wide low concrete wall, smooth finish, Scafield integral color. See detail 2, Sheet L-2. In 4 year old sand play lot, leave a 12" opening when wall meets storage bldg. wall, see Sheet L-1 for location of opening and detail 2B, sheet L-2.
- (E) Construct 2-3 year old sand play lot as in A.
- (F) Construct concrete paving with medium broom finish, Scafield integral color. Saw cut every 6' w/ 3' smooth on each side, perpendicular to G as shown on plan. See details 1 and 5, Sheet L-2.
- (G) Construct 2-3 year old play structure area with 12" deep of FIBAR. See detail 3, Sheet L-2.
- (H) Construct concrete paving with medium broom finish, Scafield integral color. Saw cut 3' x 3' grid in the same direction as the scoring pattern on the canopied concrete walkway as shown on plan. See detail 1, Sheet L-2.
- (I) Omitted
- (J) Construct 4 year old sand play lot as in A.
- (K) Nature area. Provide soil for studying planting.
- (L) Turf area. See Sheet L-3.
- (M) Construct 48" high tubular steel fence with two 3' wide gates. Locate fence 5' from edge of concrete paving. See plan for gate locations. See detail 4, Sheet L-2.
- (N) Omitted
- (O) Paving pattern @ plaza area to be aligned w/ Architects' paving joint layout.

**CONSTRUCTION LEGEND:**

- Expansion Joint
- Saw-cut Joint



CITY OF LOS ANGELES  
CITY OF SAN FERNANDO

FIRST STREET

HUBBARD STREET



SHEET 46 OF 62

**LANDSCAPE CONSTRUCTION PLAN**  
SCALE 1/10"=1'-0" DATE 04.13.95

4/13/95 ISSUED FOR BID

**M** METRO

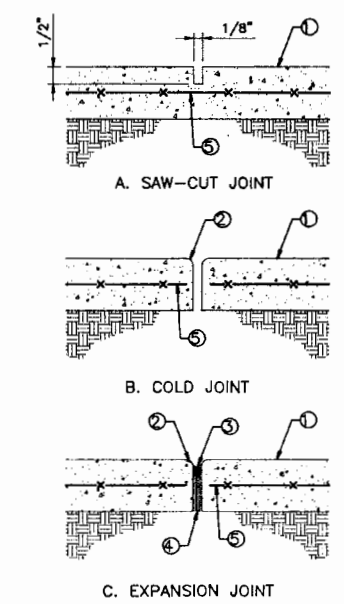
MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY

**LandVista**  
LANDSCAPE ARCHITECTURE  
16 CARINA, SUITE A  
IRVINE, CALIFORNIA 92715

**MUTLOW JUBANY ARCHITECTURE**  
ARCHITECTURE URBAN PLANNING INTERIOR DESIGN  
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TEL 213 664 4373  
FAX 213 664 4376

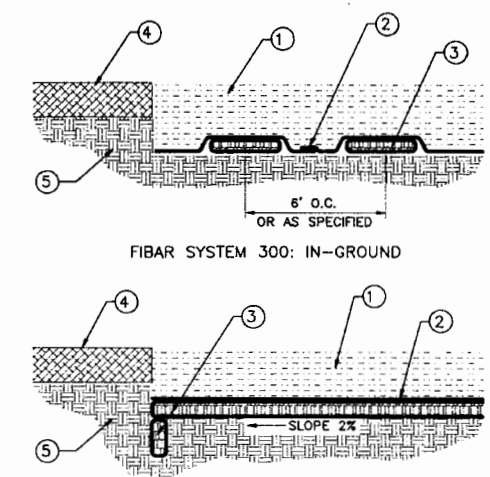
REV.	DATE	BY	APP.

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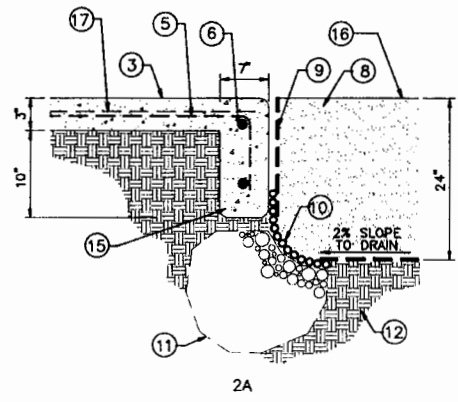
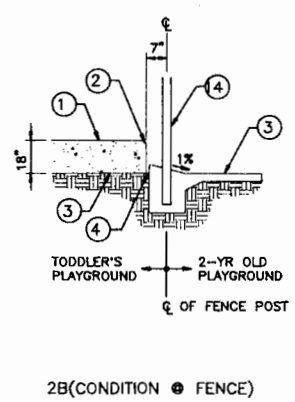
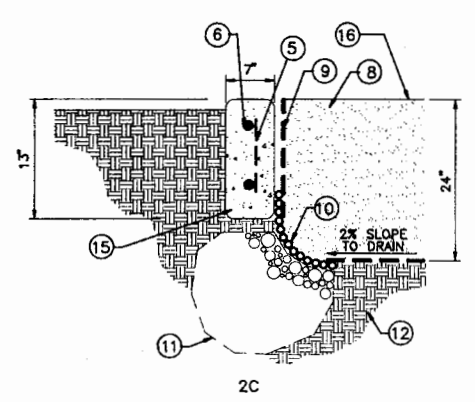
- LEGEND:**
1. Finish surface of concrete paving
  2. Tool all edges of concrete with 1/4" radius
  3. Waterproof sealant - color to match paving  
Submit color sample prior to installation
  4. Non-extruding expansion joint filler
  5. 5x6 w/10/10 w.w.f. @ center of slab, 3" clear from all edges

**JOINT DETAIL** (1)  
NO SCALE (L-2)



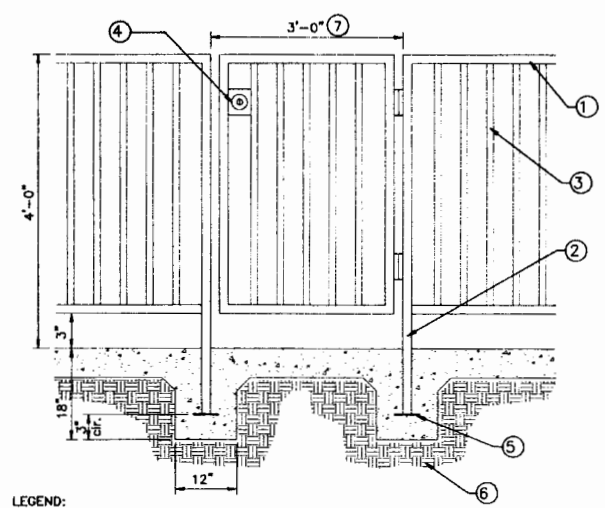
- LEGEND:**
1. FIBAR wood fibre - 12"
  2. FIBARFELT w/ 12" OVERLAP
  3. FIBARDRAIN - CONNECT LOW POINT TO UNDERGROUND DRAINAGE.  
SEE SHEET G-1.
  4. FIBAR SYSTEM 301
  5. COMPACTED SUBGRADE
- NOTE: FOR FIBAR SYSTEM, CONTACT ROGER MOORE, MOORE RECREATION PARK EQUIPMENT, INC. (800)831-3606 OR (805)375-1324.

**FIBAR SYSTEM** (3)  
NO SCALE (L-2)



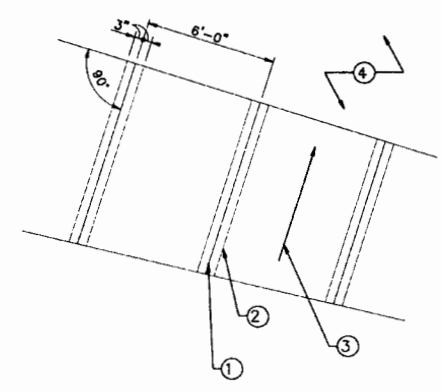
- LEGEND:**
1. Pour-in-place concrete wall - Scofield integral color, smooth finish
  2. Tool 1/4" radius on all corners
  3. Finish surface or finish grade
  4. Expansion joint - see det. 1 this sheet
  5. #3 rebar cage @ 18" o.c. - 3" clear from all sides
  6. #4 rebar @ each corner of rebar cage - 3" clear from all sides
  7. 2" dia. plastic tube at two locations as shown on plan
  8. 24" deep of clean, washed, uncontaminated sand
  9. Polyethylene liner overlapping shade fabric
  10. 90% shade fabric stapled and glued to polyethylene liner to hold sand back
  11. A 3"x3" pocket of 3/4" gravel
  12. Compacted site soil
  13. Storage Building wall
  14. Tube steel fence - see det. 4 this sheet
  15. Concrete footing
  16. Top of sand
  17. Steel wire mesh

**SAND PLAY LOT CONCRETE WALL** (2)  
NO SCALE (L-2)



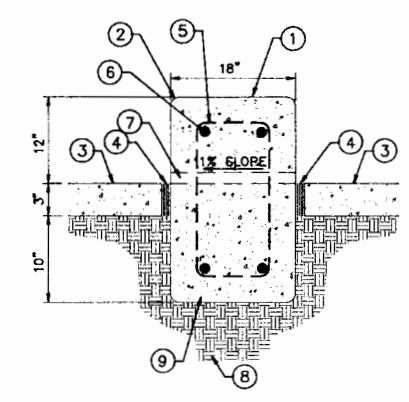
- LEGEND:**
1. 1"x1-1/2" tubular steel top and bottom rail
  - 1-1/2" sq. tubular steel post @ 6' o.c.
  - 5/8" sq. tubular steel pickets @ 4" o.c.
  - Mount gate latch @ 3'-6" from ground
  - Weld 4"x4"x3/8" metal plate to bottom of post (typ)
  6. Compacted subgrade
  7. 3' wide gate
- NOTES:**
- Steel gate is self closing and self locking. Contractor to submit shop drawings.
  - Butt welds and grind smooth all welds. All steel shall have one coat of primer and two coats of paint. Color to be forest green.

**TUBE STEEL FENCE** (4)  
NO SCALE (L-2)



- LEGEND:**
1. Saw cut joint - see det. 1 this sheet
  - 3" wide smooth bonding
  - Medium broom finish direction
  - 2-3 year old play structure area with FIBAR - see det. 3 this sheet.

**CONC. PAVING @ DIAGONAL WALK** (5)  
NO SCALE (L-2)



- LEGEND:**
1. Pour-in-place concrete wall - Scofield integral color, smooth finish
  2. Tool 1/4" radius on all corners
  3. Finish surface or finish grade
  4. Expansion joint - see det. 1 this sheet
  5. #3 rebar cage @ 18" o.c. - 3" clear from all sides
  6. #4 rebar @ each corner of rebar cage - 3" clear from all sides
  7. 2" dia. plastic tube at two locations as shown on plan
  8. Compacted site soil
  9. Concrete footing

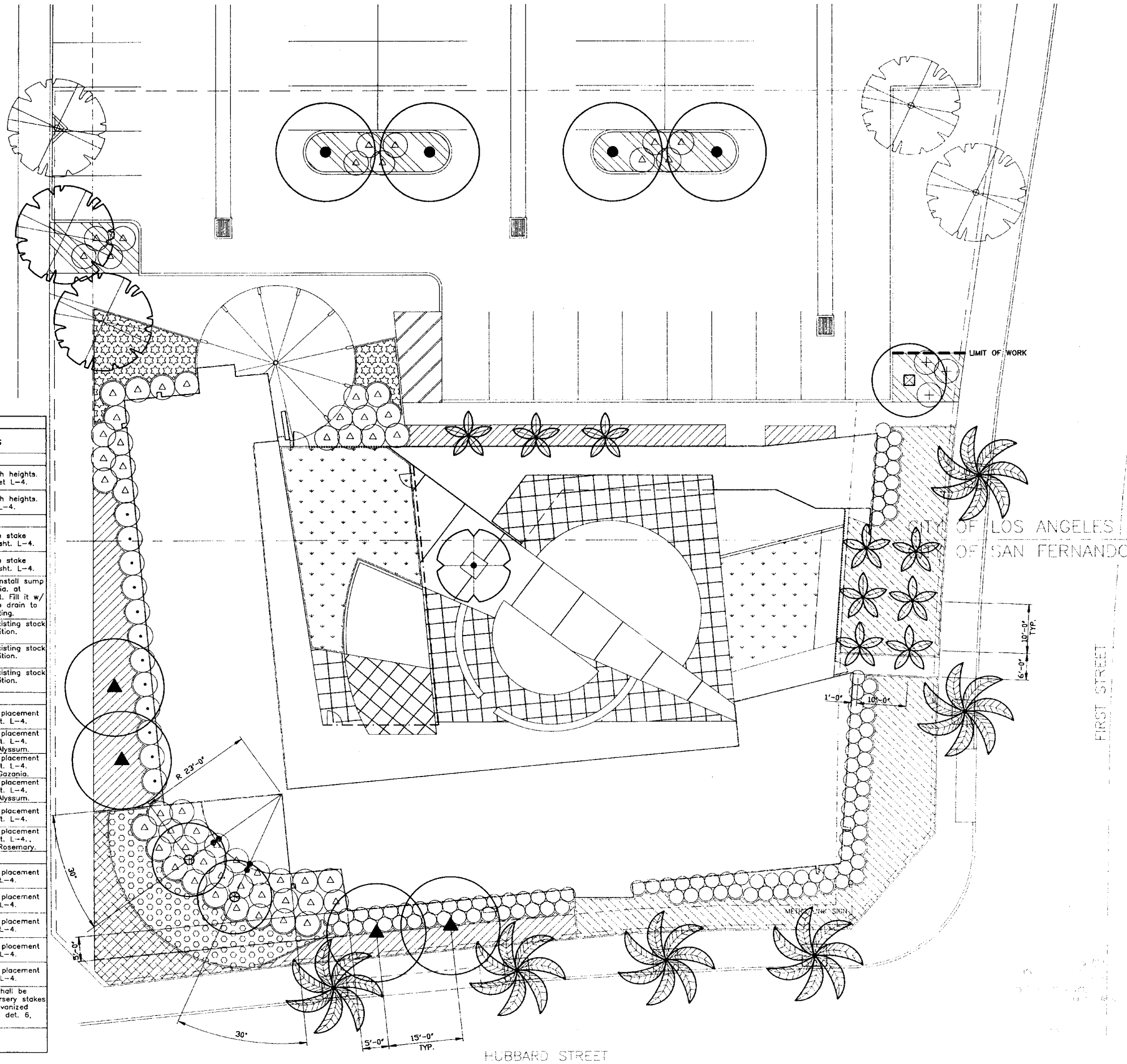
**CONCRETE BENCH** (6)  
NO SCALE (L-2)



**GENERAL PLANTING NOTES**

- Contractor shall maintain a qualified supervisor on the site at all times during construction through completion of pick-up work.
- Contractor shall verify all plant material quantities prior to installation. Plant material quantities listed for convenience of contractor. Actual number of symbols shall have priority over quantity designated.
- Contractor shall be responsible for making himself/herself familiar with all underground utilities, pipes and structures. Contractor shall take sole responsibility for any cost incurred due to damage of said utilities.
- Contractor must check all site conditions before starting work. Contractor shall not willfully proceed with construction as designed when it is obvious that unknown obstructions and/or grade differences exist that may not have been known during design. Such conditions shall be immediately brought to the attention of the Landscape architect. The Contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.
- Contractor shall be responsible for any coordination with subcontractors as required to accomplish planting operations.
- All plant materials shall be approved by the Owner's authorized representative prior to installation.
- All boxed trees shall be selected by the Owner's authorized representative.
- All plant materials shall be spotted by Contractor and approved on site by Owner's authorized representative prior to digging tree pits for planting.
- Groundcover planting shall be continuous under all trees and shrub masses as shown on plan, and shall be triangularly spaced.
- See planting details and specifications for staking method, plant pit dimensions and backfill requirements.
- Contractor shall notify Owner's authorized representative 48 hours prior to commencement of work to coordinate.
- "Deep Root" barriers are to be used around all trees located within 3' of paving. Install per manufacturer's specifications.

PLANT LEGEND:				
SYMBOL	BOTANICAL NAME (COMMON NAME)	SIZE	QUANTITY	REMARKS
<b>Palm</b>				
	Cocos plumosa (Queen Palm)	12' Brown Trunk	6	Skin trunks, match heights. See detail 4, sheet L-4.
	Washingtonia filifera 'Hybrid'	12' Brown Trunk	9	Skin trunks, match heights. See det. 4, sht. L-4.
<b>Tree</b>				
	Bauhinia blakeana (Hong Kong Orchid Tree)	15 Gal	2	Standard. Double stake tree per det. 1, sht. L-4.
	Liquidambar styraciflua 'Festival' (Sweet Gum)	15 Gal	4	Standard. Double stake tree per det. 1, sht. L-4.
	Geijera parvifolia (Australian Willow)	15 Gal	1	Stake as above. Install sump 3' deep by 12" dia. at bottom of tree pit. Fill it w/ sand. Slope pit to drain to sump before planting.
	Schinus molle (California Pepper)	Existing size	4	Use plant from existing stock saved from demolition. Stake as above.
	Cinnamomum camphora (Camphor Tree)	Existing size	1	Use plant from existing stock saved from demolition. Stake as above.
	Gleditsia triacanthos 'shademaster' (Honey Locust)	Existing size	2	Use plant from existing stock saved from demolition. Stake as above.
<b>Shrub</b>				
	Agapanthus 'Peter Pan'	1 Gal @ 12" o.c.	400 SF±	Triangulate plant placement per det. 2&5, sht. L-4.
	Ceanothus 'Julia Phelps'	5 Gal @ 5' o.c.	16	Triangulate plant placement per det. 2&5, sht. L-4. Under plant w/ Alyssum.
	Raphiolepis indica 'Ballerina' (India Hawthorn)	5 Gal @ 3' o.c.	100	Triangulate plant placement per det. 2&5, sht. L-4. Under plant w/ Gazania.
	Euryops pectinatus	5 Gal @ 5' o.c.	45	Triangulate plant placement per det. 2&5, sht. L-4. Under plant w/ Alyssum.
	Streitizia reginae (Birds-of-Paradise)	1 Gal @ 18" o.c.	280 SF±	Triangulate plant placement per det. 2&5, sht. L-4.
	Leucophyllum frutescens (Texas Ranger)	5 Gal @ 5' o.c.	8	Triangulate plant placement per det. 2&5, sht. L-4. Under plant w/ Rosemary.
<b>Groundcover</b>				
	Gazania 'Mitsuwa Yellow'	Flats @ 12" o.c.	3100 SF±	Triangulate plant placement per det. 5, sht. L-4.
	Lantana montevidensis 'Carnival'	Flats @ 12" o.c.	1200 SF±	Triangulate plant placement per det. 5, sht. L-4.
	Trachelospermum jasminoides (Star Jasmine)	Flats @ 12" o.c.	500 SF±	Triangulate plant placement per det. 5, sht. L-4.
	Alyssum montanum indica (Carpet of Snow)	Flats @ 6" o.c.	1750 SF±	Triangulate plant placement per det. 5, sht. L-4.
	Rosmarinus officinalis 'Prostratus' (Dwarf Rosemary)	Flats @ 24" o.c.	780 SF±	Triangulate plant placement per det. 5, sht. L-4.
	Porthenocissus tricuspidata 'Beverly Brooks' (Boston Ivy)	1 Gal (Locate as shown)	4	All vine runners shall be removed from nursery stakes and fasten to galvanized wire as shown on det. 6, sht. L-4.
	Marathon Sod		1140 SF±	



**PLANTING PLAN**

SCALE: 1/16" = 1'-0" DATE: 04.13.95

REV. DATE BY APP.

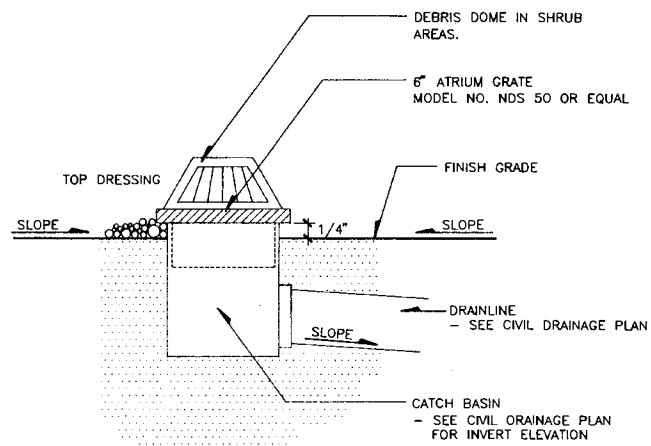
**M** MTA SYLMAR/SAN FERNANDO CHILD CARE FACILITY

**M** METRO

**LandVista**  
LANDSCAPE ARCHITECTURE  
16 CARINA, SUITE A  
IRVINE, CALIFORNIA 92715

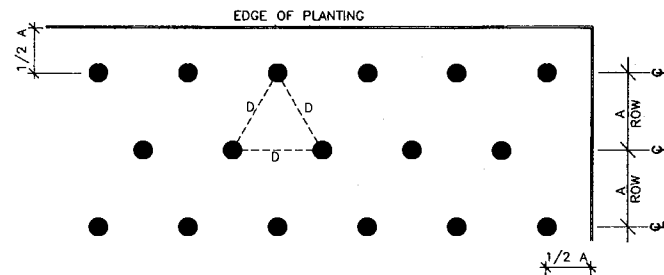
**MUTLOW JUBANY ARCHITECTURE**  
ARCHITECTURE URBAN PLANNING INTERIOR DESIGN  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CALIFORNIA 90027  
TEL 213 664 4373  
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SHEET 48 OF 62



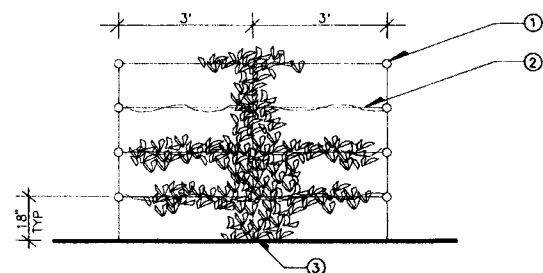
NOTE:  
NATIONAL DRAIN SUPPLIES, INC. OR APPROVED EQUAL

LANDSCAPE AREA DRAIN (7) L-4  
NO SCALE



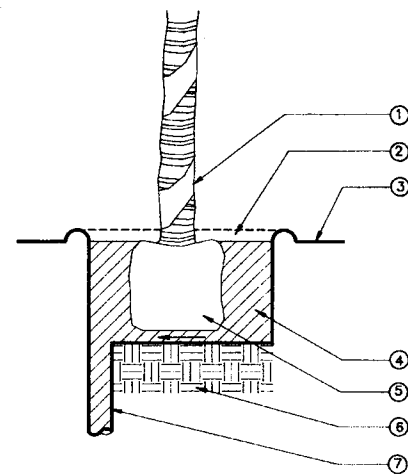
SPACING "D"	ROW "A"	NO. OF PLANTS	AREA UNIT
6" O.C.	5.20"	4.62	PER 1 S.F.
8" O.C.	6.93"	2.60	
9" O.C.	7.80"	2.15	
10" O.C.	8.66"	1.66	
12" O.C.	10.40"	1.15	
15" O.C.	13.00"	0.73	
18" O.C.	15.60"	0.51	PER 100 S.F.
24" O.C.	20.80"	0.29	
30" O.C.	26.00"	0.18	
3' O.C.	3.29'	11.50	
4' O.C.	3.46'	7.25	
5' O.C.	4.33'	4.61	
6' O.C.	5.20'	3.20	PER 1,000 S.F.
8' O.C.	6.93'	1.80	
10' O.C.	8.66'	1.16	
12' O.C.	10.40'	0.80	
15' O.C.	13.00'	0.51	
20' O.C.	17.30'	0.28	
25' O.C.	21.65'	0.18	
30' O.C.	26.00'	0.12	
40' O.C.	34.60'	0.07	

GROUNDCOVER SPACING (5) L-4  
NO SCALE



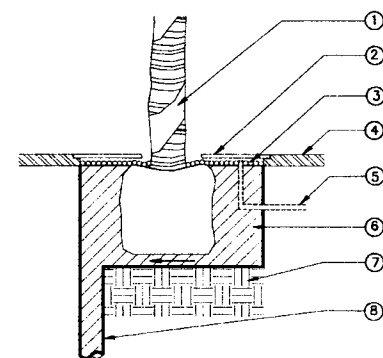
- 1-1/2" EXPANSION SHIELD W/ 1/4" DIA. LONG LAG SCREW DRIVEN INTO CONC. BLOCK WALL
- NO. 12 GAUGE GALVANIZED WIRE - TWIST CONNECT TO EYE SCREWS. STRETCH TIGHT.
- VINE LOCATION

VINE PLANTING (6) L-4  
NO SCALE



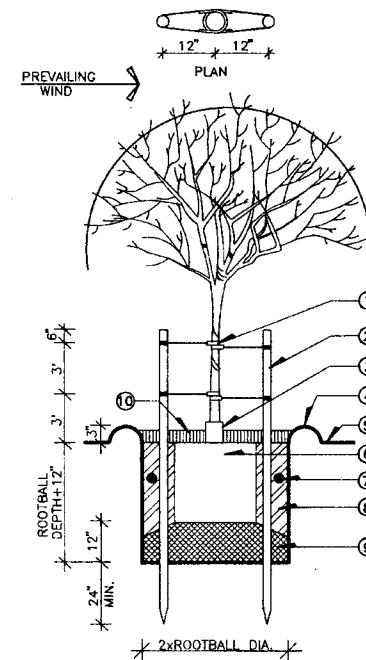
- PALM TREE TRUNK
- WATERING BASIN, TO BE REMOVED WHEN GROUND COVER IS PLANTED
- FINISH GRADE
- 100% COARSE SAND TOP W/ 12" AMENDED BACKFILL
- ROOTBALL
- SITE SOIL
- 12" DIA. x 3' DEEP SAND FILLED SUMP SLOPE PIT TO DRAIN

PALM TREE PLANTING (3) L-4  
NO SCALE



- PALM TREE TRUNK
- 48" DIA. BLACK COLOR, HEAVY DUTY PLASTIC TREE GRATE BY NATIONAL DIVERSIFIED SALES, INC. OR EQUAL
- 1-1/2" LAYER OF PEA GRAVEL
- CONC. SIDEWALK. SEE STANDARD TREE WELL WITH TREE GRATE DETAIL PER CITY OF SAN FERNANCO, DEPT. OF PUBLIC WORKS.
- DRIP IRRIGATION
- 100% COARSE SAND BACKFILL
- SITE SOIL
- 12" DIA. x 3' DEEP SAND FILLED SUMP. SLOPE PIT TO DRAIN

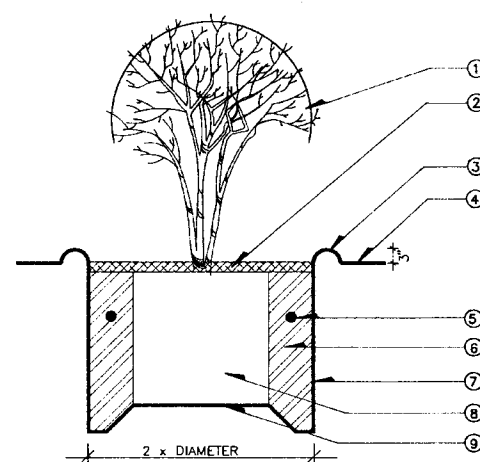
PALM TREE PLANTING W/ TREE GRATE (4) L-4  
NO SCALE



- "CINCH-TIE" BY V.I.T. CO. OR EQ.
- LOGSPOLE PINE STAKE COPPER NAPHTHENATE IMPREGNATED. 2 1/2" DIA. x 12" FOR 24" BOX AND SMALLER.
- "ARBOR-GUARD" BY DEEP ROOT CORP.
- WATER BASIN
- FINISH GRADE
- INSTALL ROOTBALL FLUSH W/ FINISH GRADE.
- FERTILIZER TABLET - SEE SPECS.
- BACKFILL MIX - SEE SPECS.
- SITE SOIL
- 2" LAYER OF MULCH

NOTE:  
MIN. TWO TIES (TOP & BOTTOM) REQUIRED. USE THIRD TIE WHEN NECESSARY TO HOLD TREE IN UPRIGHT POSITION TIES TO BE SECURED TO AVOID SLIPPAGE. (WRAP STAKE, TWIST & STAPLE WIRES.)

TREE PLANTING (1) L-4  
NO SCALE



- 1 OR 5 GALLON SHRUB
- 2" LAYER OF MULCH
- WATER BASIN
- FINISH GRADE
- FERTILIZER TABLETS - SEE SPECIFICATIONS
- AMENDED SOIL FOR PLANTING - SEE SPECIFICATIONS
- PLANT PIT EXCAVATION
- ROOTBALL
- SOIL MANTLE

SHRUB PLANTING (2) L-4  
NO SCALE

IRRIGATION PLAN IS DIAGRAMATIC. MAINLINE, VALVES AND QUICK COUPLERS TO BE INSTALLED IN PLANTER AREAS TYPICAL.

APPROXIMATE TREE LOCATION TYPICAL. REFER TO LANDSCAPE PLANTING PLANS FOR EXACT LOCATION.

CONTRACTOR SHALL LOCATE EXISTING LATERAL LINE AT THIS LOCATION. CONNECT THE ADJUSTED PLANTER ISLAND SPRAY HEADS BACK INTO THE EXISTING LATERAL LINE.

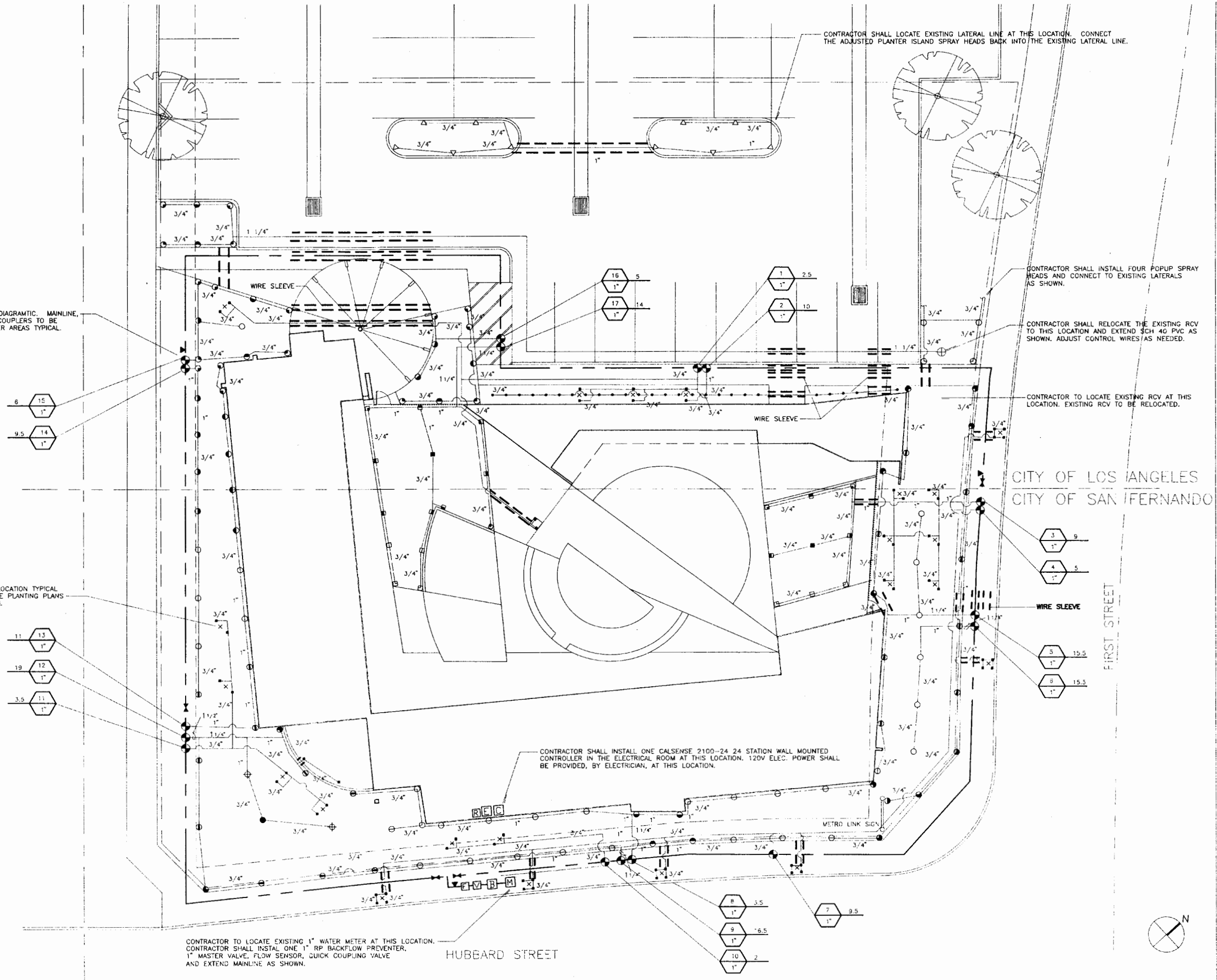
CONTRACTOR SHALL INSTALL FOUR POPUP SPRAY HEADS AND CONNECT TO EXISTING LATERALS AS SHOWN.

CONTRACTOR SHALL RELOCATE THE EXISTING RCV TO THIS LOCATION AND EXTEND SCH 40 PVC AS SHOWN. ADJUST CONTROL WIRES AS NEEDED.

CONTRACTOR TO LOCATE EXISTING RCV AT THIS LOCATION. EXISTING RCV TO BE RELOCATED.

CONTRACTOR SHALL INSTALL ONE CALSENSE 2100-24 STATION WALL MOUNTED CONTROLLER IN THE ELECTRICAL ROOM AT THIS LOCATION. 120V ELEC. POWER SHALL BE PROVIDED, BY ELECTRICIAN, AT THIS LOCATION.

CONTRACTOR TO LOCATE EXISTING 1" WATER METER AT THIS LOCATION. CONTRACTOR SHALL INSTALL ONE 1" RP BACKFLOW PREVENTER, 1" MASTER VALVE, FLOW SENSOR, QUICK COUPLING VALVE AND EXTEND MAINLINE AS SHOWN.



CITY OF LOS ANGELES  
CITY OF SAN FERNANDO

FIRST STREET

HUBBARD STREET



**MUTLOW JUBANY ARCHITECTURE**  
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TEL 213 664 4373  
FAX 213 664 4376

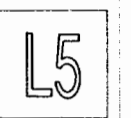
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16 CARINA, SUITE A  
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**MTA SYLMAR/SAN FERNANDO**  
CHILD CARE FACILITY



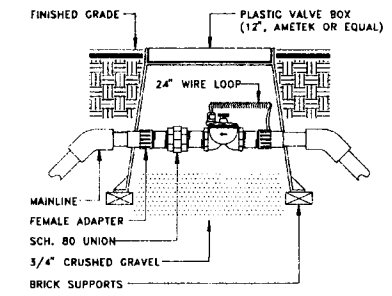
REV.	DATE	BY	APP.

**IRRIGATION PLAN**  
SCALE 1/10"=1'-0" DATE 04.13.95

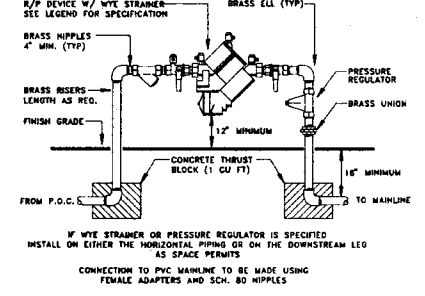


SHEET 50 OF 62

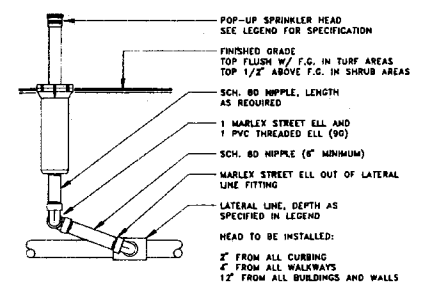
4/15/95



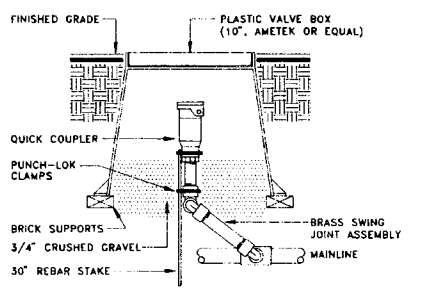
C MASTER VALVE



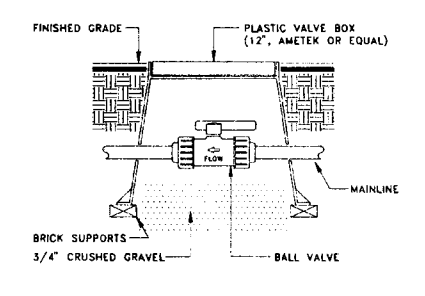
B BACKFLOW ASSEMBLY



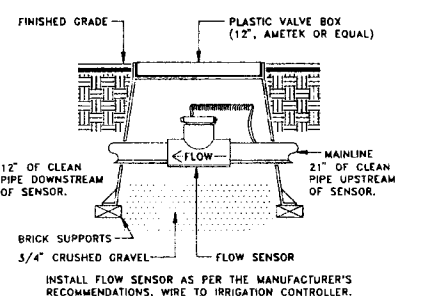
A POP-UP SPRINKLER



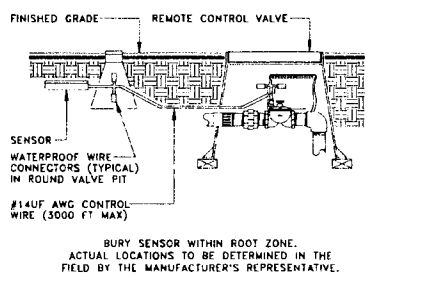
F QUICK COUPLER



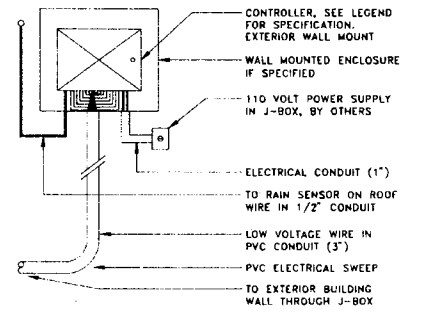
E BALL VALVE



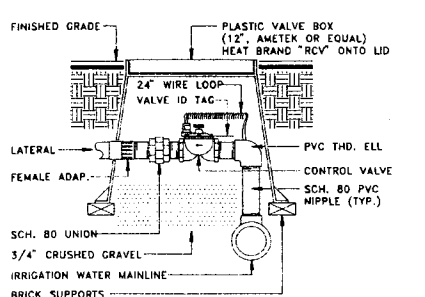
D FLOW SENSOR



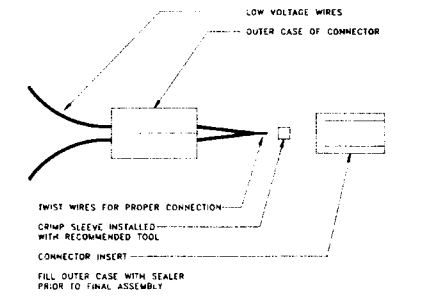
I MOISTURE SENSOR



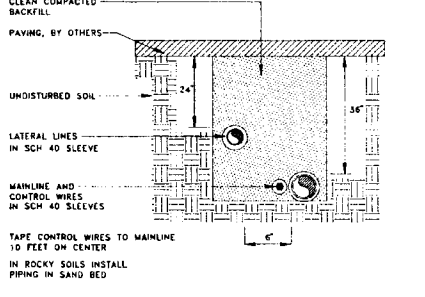
H CONTROLLER



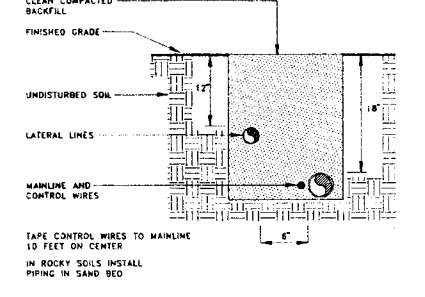
G REMOTE CONTROL VALVE



L WIRE CONNECTIONS



K SLEEVE INSTALLATION



J PIPE INSTALLATION

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACT.	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS	DETAIL
Q	RAIN BIRD	1806-SAM-10-LA-PCS-040/060/090/175 POP-UP TURF HEAD	.39, .52, .79, 1.57	30	10 FT	A
T	RAIN BIRD	1806-SAM-12-PCS-060/090/125/260 POP-UP TURF HEAD	.65, .87, 1.3, 2.6	30	12 FT	A
H	RAIN BIRD	1812-SAM-10-LA-PCS-040/060/090/175 POP-UP SHRUB HEAD	.39, .52, .79, 1.57	50	10 FT	A
F	RAIN BIRD	1812-SAM-12-PCS-080/090/125/260 POP-UP SHRUB HEAD	.65, .87, 1.3, 2.6	30	12 FT	A
F	RAIN BIRD	1812-SAM-15-PCS-090/125/175/370 POP-UP SHRUB HEAD	.93, 1.23, 1.85, 3.7	30	15 FT	A
●	RAIN BIRD	1812-SAM-5F-B-PCS-040 STREAM BUBBLER	0.40	30	3 FT	A
■	RAIN BIRD	1812-SAM-1402-FC FLOOD BUBBLER	0.5	30	NONE	A
M	P.O.C.	1" IRRIGATION WATER METER, WITH 1" SERVIC LINE, EXISTING, VERIFY LOCATION IN FIELD				N/A
B	WILKINS	975XLS, 1" R/P BACKFLOW PREVENTION ASSEMBLY W/ WYE STRAINER AND WILKINS MODEL 500HLR PRESSURE REGULATOR, ALL ON ONE ASSEMBLY				B
V	GRISWOLD	2000E-1" EPOXY FUSED MASTER CONTROL VALVE, 1" SIZE				C
F	CALSENSE	FM-1.25B 1 1/4" BRASS FLOW SENSOR, WIRE TO CONTROLLER				D
▲	KING BROS.	WLT-XXX-E PVC "TRUE UNION" BALL VALVE, LINE SIZE				E
●	RAIN BIRD	44LRC QUICK COUPLER VALVE, IN 10" ROUND VALVE PIT				F
●	RAIN BIRD	100-EFB-CP SERIES BRASS REMOTE CONTROL VALVE, 1" SIZE				G
C	CALSENSE	2100-24, 24 STATION MOISTURE SENSING IRRIGATION CONTROLLER, WALL MOUNT IN ELECTRICAL ROOM				H
R	WCS	RC/RG-VR "RAINGUARD" RAIN SENSOR, MOUNT ON BUILDING ROOF, WIRE TO CONTROLLER				N/A
E	N/A	120 VOLT ELECTRICAL POWER, PROVIDED BY ELECTRICIAN				N/A
---	AS APPROVED	PVC PIPE SCH. 40 AS LATERAL LINES (INSTALL 12" BELOW FINISHED GRADE)				J
---	AS APPROVED	PVC PIPE 1 1/2" SCH. 40 AS MAINLINES (INSTALL 18" BELOW FINISHED GRADE)				J
---	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED				K
---	AS APPROVED	IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED)				J,K
---	NO SYMBOL	RAIN BIRD ST-03 GREY "SNAP-TITE" WIRE CONNECTORS AND PT-55 SEALER				L

MUTLOW JUBANY ARCHITECTURE  
ARCHITECTURE URBAN PLANNING INTERIOR DESIGN  
2536 NORTH VERMONT AVENUE  
LOS ANGELES, CALIFORNIA 90027  
TEL 213 664 4373  
FAX 213 664 4376

LandVista  
LANDSCAPE ARCHITECTURE  
16 CARINA, SUITE A  
IRVINE, CALIFORNIA 92715

MTA SYLMAR/SAN FERNANDO  
CHILD CARE FACILITY



REV.	DATE	BY	APP.

IRRIGATION DETAILS  
AND LEGEND  
SCALE: 1/10" = 1'-0"  
DATE: 04.13.95



SHEET 51 of 62

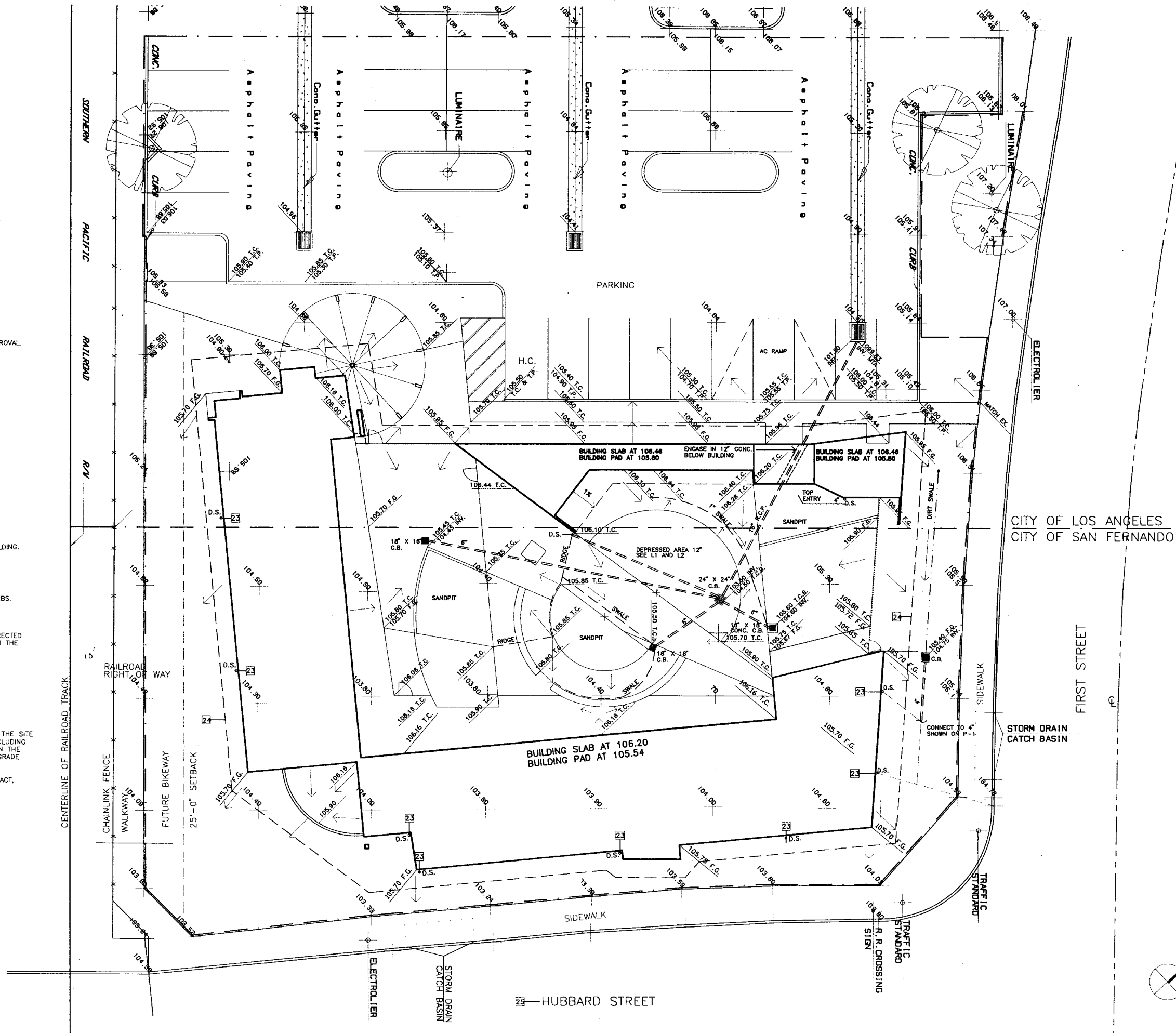
4/18/95 ISSUED FOR BID

**GRADING NOTES**

- 1 SOIL REPORTS AND SUBSEQUENT REPORTS AND ADDENDAS ARE A PART OF CONTRACT DOCUMENTS. A LONGER VERSION SOIL REPORT IS AVAILABLE FOR REVIEW IN THE MTA OFFICE.
- 2 SOIL ENGINEER:  
PACIFIC SOILS ENGINEERING, INC.  
10653 PROGRESS WAY  
CYPRESS, CA 90630  
TEL (714) 220-0770
- 3 ALL GRADING TO BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE CITY OF SAN FERNANDO AND RECOMMENDATIONS OF THE SOILS REPORT APPENDED HERETO.
- 4 NO WORK WHATSOEVER SHALL BE STARTED IN OR ABOUT A GRADING PROJECT WITHOUT FIRST NOTIFYING MTA, CITY GRADING INSPECTOR AND THE SOILS ENGINEER.
- 5 ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE.
- 6 THE FILL SHALL BE PLACED UNDER THE INSPECTION AND APPROVAL OF THE SOILS FOUNDATION ENGINEER. A COMPACTION REPORT SHALL BE SUBMITTED TO THE CITY UPON COMPLETION OF THE COMPACTION.
- 7 IF IMPORT SOILS ARE USED, NO FOOTINGS SHALL BE POURED UNTIL THE FOUNDATION ENGINEER HAS SUBMITTED A COMPACTION REPORT, INPLACE SHEAR TEST DATA AND SETTLEMENT DATA TO THE CITY AND OBTAINED APPROVAL.
- 8 IF EXISTING UNCERTIFIED FILL EXISTS, IT SHALL NOT BE USED TO SUPPORT FILL, FLOOR SLABS OR FOOTINGS.
- 9 NO FILL SHALL BE PLACED UNTIL THE GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION. CERTIFICATE MUST BE LEFT ON THE SITE BY SOILS ENGINEER AFTER HIS APPROVAL.
- 10 FILL TO BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AS DETERMINE BY ASTM SOIL COMPACTION TEST D-1557-70
- 11 COMPACTED FILL SHALL EXTEND BEYOND THE FOOTINGS A MINIMUM DISTANCE EQUAL TO THE DEPTH OF THE FILL BELOW FOOTINGS, OR 5'-0", WHICHEVER IS GREATER.
- 12 MINIMUM GRADE ON NATURAL GROUND (UNPAVED) IS 2%
- 13 MINIMUM GRADE ON A.C. PAVING IS 1%
- 14 MINIMUM GRADE ON CONCRETE SWALES IS 0.5%
- 15 MAINTAIN 6" CLEAR FROM FINISHED FLOOR (OR TOP OF CONCRETE SLAB) TO NATURAL GRADE.
- 16 GRADES ON EARTH AROUND PERIMETER OF BUILDING SHOULD MAINTAIN A MINIMUM OF 4% FOR 5' AWAY FROM BUILDING.
- 17 MAXIMUM SLOPE ON NATURAL GROUND IS 2:1
- 18 NATURAL(EARTH) SWALES SHOULD MAINTAIN A MAXIMUM OF 3:1 SIDE SLOPES.
- 19 3" CAST IRON PIPE IS TO CONDUCT FLOWS THROUGH 6" CURBS.  
4" CAST IRON PIPE IS TO CONDUCT FLOWS THRU 8" CURBS. A MAXIMUM OF 3 CAST IRON PIPES CAN BE USED AT ANY LOCATION.
- 20 FLOWS FROM ROOF DRAINS AND DOWNSPOUTS SHALL BE DIRECTED ONTO CONCRETE SPLASH BLOCKS OR PIPED TO UNDERNEATH THE SIDEWALK AND THROUGH THE CURB.
- 21 SLOPE BETWEEN ELEVATION POINTS AND CONTOUR LINES SHALL BE CONSTANT.
- 22 ALL EXISTING GRADES ARE TAKEN FROM AND FOR ADDITIONAL EXISTING GRADES, SEE THE TOPOGRAPHICAL SURVEY BY ALFRED AGUIRRE.
- 23 FOR UNDERGROUND PIPE FROM DOWNSPOUTS, SEE P1.
- 24 CONTRACTOR IS TO REMOVE THE TOP 4"-0" OF SOIL FROM THE SITE (FROM 4'-0" BEYOND THE PERIMETER OF THE BUILDING, INCLUDING ALL THE COURTYARD AREA) AND RECOMPACT AS REQUIRED IN THE SOILS REPORT. IMPORT SOIL, IF REQUIRED, TO RAISE THE GRADE TO THE PAD ELEVATION OF THE BUILDING.
- 25 FOR LOCATION OF UTILITIES IN HUBBARD ST. SEE MTA CONTRACT, INDEX NUMBER P-34612, SHEET 57

**LEGEND**

- - - - - LIMIT OF WORK
- + EXISTING SPOT ELEVATION
- - - - - PROPOSED SPOT ELEVATION
- - - - - FLOW LINE
- - - - - DIRECTION OF FLOW
- ECB. EXISTING CATCH BASIN
- INV. INVERT ELEVATION OF DRAINAGE PIPE
- SLOPE PER FOOT
- C.F. CURB FACE
- B.W. BACK OF WALK
- D.S. DOWN SPOUT
- H.P. HIGH POINT
- T.C. TOP OF CONCRETE
- T.P. TOP OF A.C. PAVING
- C.B. CATCH BASIN
- S.B. SPLASH BLOCK
- 4" CAST IRON PIPE
- F.G. FINISH GRADE



**MUTLOW JUBANY ARCHITECTURE**  
 INTERIOR DESIGN  
 ARCHITECTURE URBAN PLANNING  
 2536 NORTH VERMONT AVENUE  
 LOS ANGELES, CALIFORNIA 90027  
 TEL 213 864 4373  
 FAX 213 864 4376

**MTA SYLMAR/SAN FERNANDO**  
**CHILD CARE FACILITY**



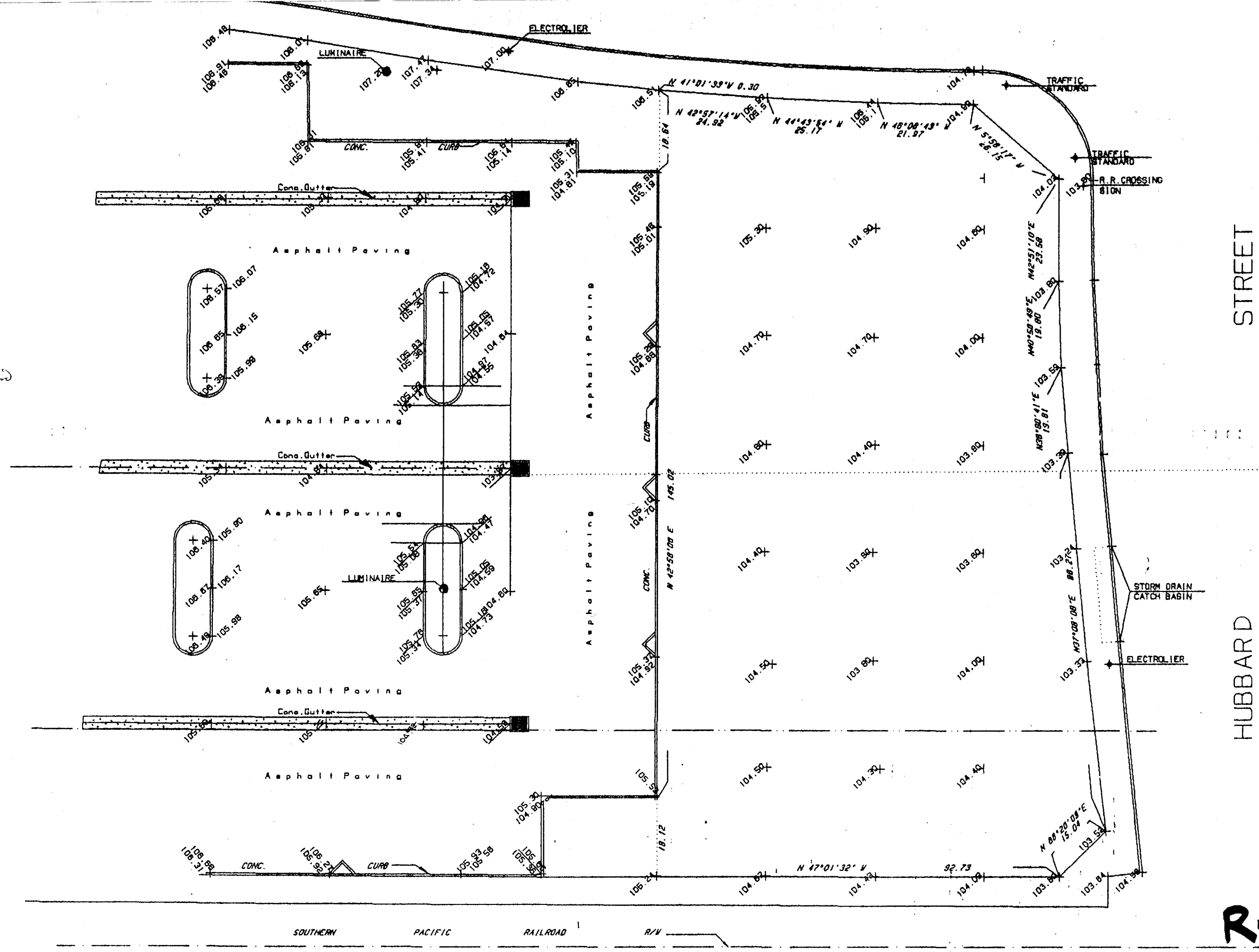
REV.	DATE	BY	APP.

**GRADING PLAN**  
 SCALE 1/10"=1'-0"  
 DATE 04.13.95

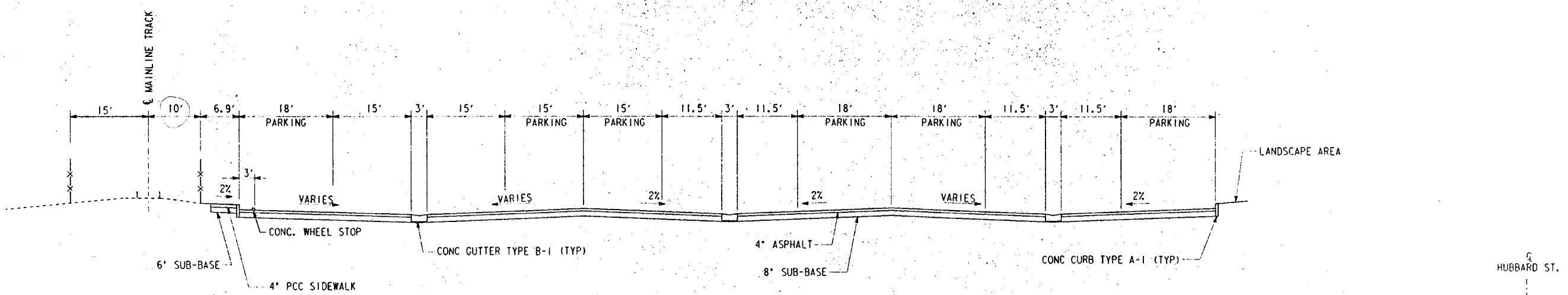




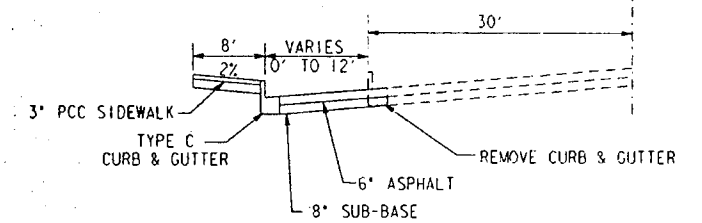
Alfred Aguirre



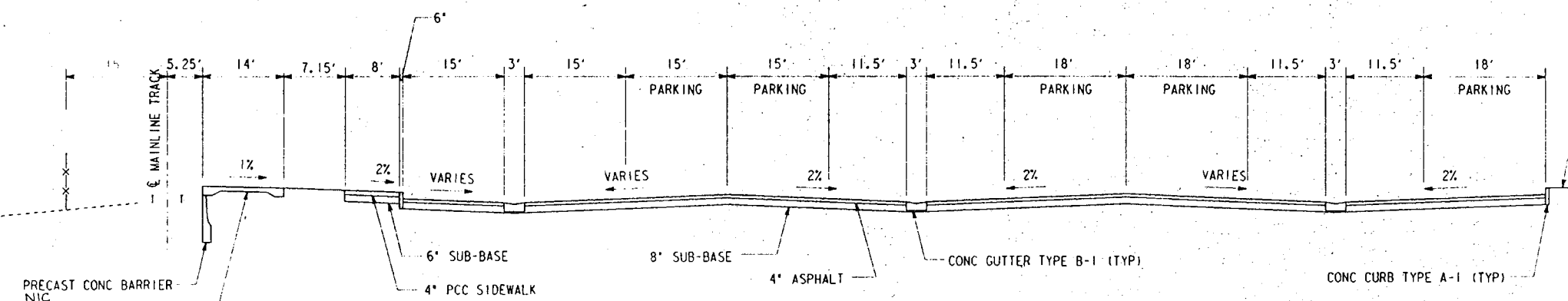
R-1



TYPICAL SECTION EAST & WEST OF PLATFORM  
HORIZ. 1"=10'  
VERT. 1"=5'



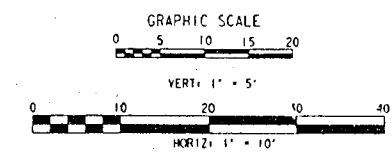
TYPICAL SECTION AT HUBBARD AV.



TYPICAL SECTION AT PLATFORM  
HORIZ. 1"=10'  
VERT. 1"=5'

NOTES:

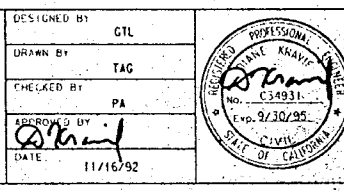
- PRIOR TO THE POURING OF CONCRETE, A REPRESENTATIVE OF THE CONSULTING FOUNDATION ENGINEER SHALL INSPECT AND APPROVE THE FOOTING EXCAVATIONS. THE REPRESENTATIVE SHALL POST A NOTICE ON THE JOB SITE FOR THE CITY BUILDING INSPECTOR AND THE CONTRACTOR STATING THAT THE WORK SO INSPECTED MEETS THE CONDITIONS OF THE REPORT, BUT THAT NO CONCRETE SHALL BE POURED UNTIL THE CITY BUILDING INSPECTOR HAS ALSO INSPECTED AND APPROVED THE FOOTING EXCAVATIONS. A WRITTEN CERTIFICATION TO THIS EFFECT SHALL BE FILED WITH THE DEPARTMENT UPON COMPLETION OF THE WORK.
- COMPACTED FILL SHALL EXTEND BEYOND THE FOOTINGS A MINIMUM DISTANCE EQUAL TO THE DEPTH OF THE FILL BELOW THE FOOTINGS. ALL FILL OR BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION AS DETERMINED BY A.S.T.M. METHOD D-1557.
- TEMPORARY VERTICAL EXCAVATION MAY EXTEND A DEPTH OF 5 FEET, BEYOND 5 FEET DEPTH EXCAVATION, SHORING IS REQUIRED OR MAINTAIN A 1:1 GRADIENT.
- CAST-IN PLACE CONCRETE PIERS SHALL BE AT LEAST 18" IN DIAMETER AND EMBEDDED A MINIMUM DEPTH OF 5 FEET FROM GRADE APPROVED BY THE SOILS ENGINEER.
- CONTINUOUS FOOTINGS SHALL BE AT LEAST 12" WIDE AND 24" MINIMUM EMBEDMENT INTO DENSE NATURAL SOIL OR CERTIFIED COMPACTED FILL FOR 2500 PSF BEARING CAPACITY.
- PAVEMENT AREA SHALL BE SUPPORTED ON COMPETENT NATURAL SOIL OR CERTIFIED COMPACTED FILL. PAVEMENT SECTION IS DESIGNED BASED ON TRAFFIC INDICES AND R VALUE RECOMMENDED BY SOILS ENGINEER.
- DEPUTY INSPECTOR IS REQUIRED ON SITE FOR PILES/PIERS AND SHORING.
- EXISTING UNCERTIFIED FILL SHALL NOT BE USED FOR SUPPORT OF FOOTINGS, FLOOR SLAB, OR PROPOSED FILL.
- NO FILL SHALL BE PLACED UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATIONS.
- THE FILL SHALL BE PLACED UNDER THE INSPECTION AND APPROVAL OF THE RESPONSIBLE ENGINEER. A COMPACTION REPORT SHALL BE SUBMITTED TO THE DEPARTMENT UPON COMPLETION OF THE COMPACTION.
- IF IMPORT SOILS ARE USED, NO FOOTINGS SHALL BE POURED UNTIL THE RESPONSIBLE ENGINEER HAS SUBMITTED A COMPACTION REPORT AND IN PLACE SHEAR TEST DATA AND SETTLEMENT DATA TO THE DEPARTMENT AND OBTAINED APPROVAL.
- INSTALLATION OF SHORING, UNDERPINNING, AND/OR SLOT CUTTING EXCAVATIONS SHALL BE PERFORMED UNDER THE CONTINUOUS INSPECTION AND APPROVAL OF THE RESPONSIBLE ENGINEER.
- SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
- WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC FLOW.
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/2 INCH MAY BE VERTICAL.
- THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2 INCH LIP BEVELED AT 45 DEGREES.
- THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.
- FLOOR SURFACES SHALL BE SLIP-RESISTANT.
- EACH PARKING SPACE RESERVED FOR PERSONS WITH PHYSICAL DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND, WHEN IN THE PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SIGNS MAY ALSO BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK.
- AN ADDITIONAL SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF-STREET PARKING FACILITY, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17"x22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING:
- UNAUTHORIZED VEHICLES PARKED IN DESIGNATED HANDICAPPED SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PHYSICALLY DISABLED PERSONS MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT \_\_\_\_\_ OR \_\_\_\_\_ OR BY TELEPHONING \_\_\_\_\_.
- ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.



R-2

PROJECT NUMBER	
DATE	
ISSUED FOR CONSTRUCTION	
DESCRIPTION	

DESIGNED BY	GTL
DRAWN BY	TAG
CHECKED BY	PA
APPROVED BY	<i>[Signature]</i>
DATE	11/16/92



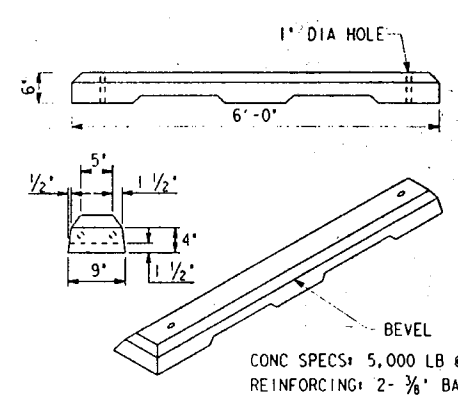
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY  
COMMUTER RAIL DESIGN AND CONSTRUCTION

PARSONS DE LEUN, INC.  
100 W. WALNUT STREET  
PASADENA, CALIFORNIA 91129

SIVENS, SAKEL AND WILLEMS  
JENKINS, GILES & MARTINEZ, INC.  
SANCHEZ, RAMOS & ASSOCIATES

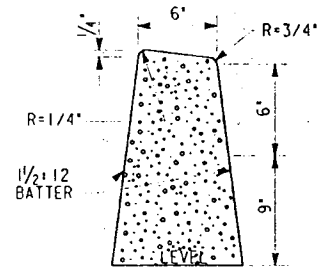
SUBMITTED: *[Signature]* APPROVED: *[Signature]*

PROJECT NUMBER	C-7270
DATE	C-5
ISSUED FOR CONSTRUCTION	8
DESCRIPTION	AS NOTED

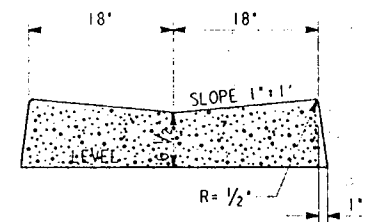


CONC WHEEL STOP

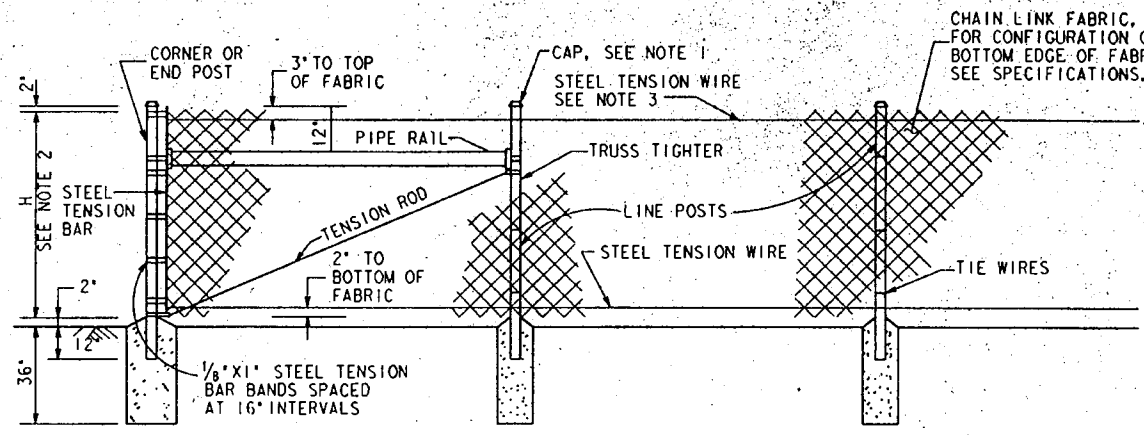
CONC SPECS: 5,000 LB @ 28 DAYS  
REINFORCING: 2- 3/8" BARS



CURB TYPE A-1

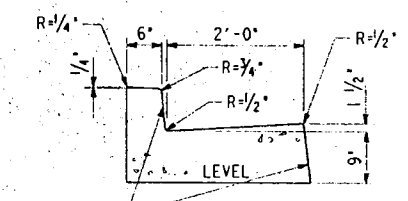


GUTTER TYPE B-1

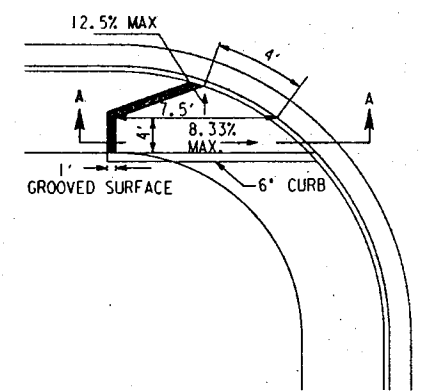


CHAIN LINK FENCE DETAIL S-691-0

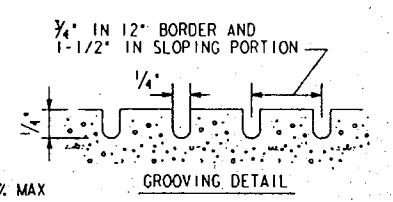
- NOTES:
1. SECURE DRIVE FIT GALVANIZED CAP TO POST WITH 1/4" ROUND HEAD RIVET.
  2. H DENOTES FABRIC WIDTH AND NOMINAL FENCE HEIGHT; H SHALL BE 5'-0" UNLESS OTHERWISE SPECIFIED.
  3. IF CHAIN LINK FENCE WITH TOP RAIL IS SPECIFIED, DELETE STEEL TENSION WIRE AT THE TOP AND THE PIPE RAILS AT INTERMEDIATE, END AND CORNER POSTS. EXTEND TENSION ROD TO THE TOP RAIL.
  4. ALL DATA SHOWN ON TYPICAL DETAILS SHALL BE APPLICABLE TO OTHER PERTINENT DETAILS.



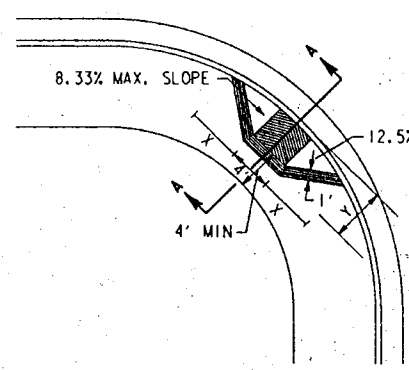
TYPE C INTEGRAL CURB & GUTTER



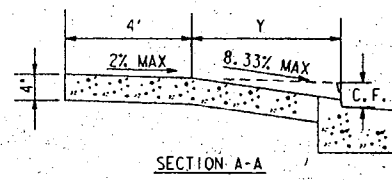
CURB RAMP S-442-1 CASE J



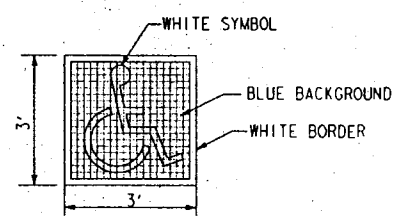
GROOVING DETAIL



CURB RAMP



SECTION A-A

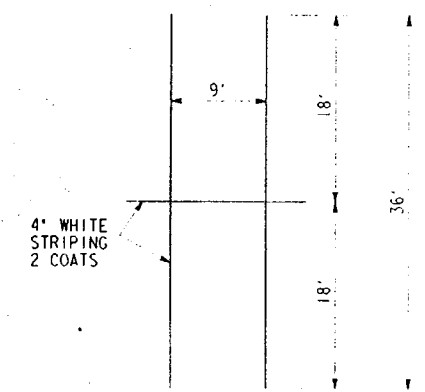


ACCESSIBLE PARKING SYMBOL

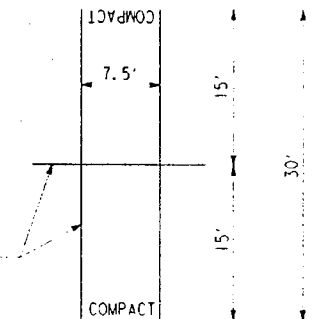


R99 SIGN

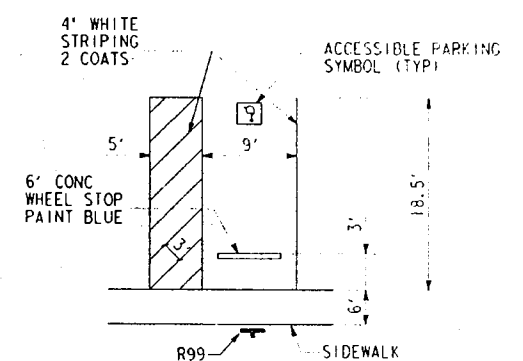
- NOTES:
1. X=Y=8XCF (CURB FACE IN INCHES)
  2. RAMPS SHALL BE GROOVED IN A HERRINGBONE PATTERN WITH 1/4" GROOVES AND 1-1/2" GROOVES ON CENTERS. GROOVES SHALL BE ALIGNED PARALLEL TO CROSSWALK STRIPES TO DIRECT BLIND PEDESTRIANS INTO APPROPRIATE CROSSWALK. SEE DETAIL.
  3. RAMP SHALL HAVE A 1" BORDER WITH 1/4" GROOVES 3/4" ON CENTERS PER GROOVING DETAIL.



TYPICAL PARKING STALL



TYPICAL COMPACT PARKING STALL



TYPICAL ACCESSIBLE PARKING STALL

- NOTES:
1. CURBS AND GUTTERS SHALL BE CONSTRUCTED OF PCC CONFORMING TO SUB-SECTION 201-1 AND 303-5.
  2. WEAKENED PLANE JOINTS IN CURB AND GUTTER SHALL CONFORM TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SUB-SECTION 303-5.4.3 (C) OR SHALL BE 1/2" INCH DEEP SAWCUTS MADE WITHIN 10 TO 24 HOURS AFTER CONCRETE IS PLACED AND SHALL BE PLACED AT LOCATIONS SHOWN ON THE TYPICAL JOINT PLAN HEREON AND AT REGULAR INTERVALS NOT EXCEEDING 20 FEET BETWEEN RETURNS. THEY SHALL ALSO BE LOCATED AT THE E.C. OF ALLEY RETURNS WHERE WALK IS FULL WIDTH. WHERE CROSS GUTTER TRANSITION EXTENDS BEYOND THE CURB RETURN, THE JOINTS SHALL NORMALLY BE PLACED AT THE ENDS OF THE TRANSITION. HOWEVER, JOINTS SHALL ALSO BE PLACED AT THE ENDS OF THE CURB RETURN WHEN THE CROSS GUTTER TRANSITION EXTENDS MORE THAN 5 FEET BEYOND THE RETURN. WHERE GUTTER IS ADJACENT TO CONCRETE PAVEMENT, THE JOINT SHALL BE ALIGNED WITH THE PAVEMENT JOINTS WHERE PRACTICAL.

NO.	DATE	DESCRIPTION	BY	APP.
1	11/16/92	ISSUED FOR CONSTRUCTION	GTL	

DESIGNED BY	GTL
DRAWN BY	TAG
CHECKED BY	PA
APPROVED BY	<i>[Signature]</i>
DATE	11/16/92

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. C34931  
Exp. 3/30/95

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY  
COMMUTER RAIL DESIGN AND CONSTRUCTION

PARSONS DE LEUW, INC.  
100 W. WALNUT STREET  
PASADENA, CALIFORNIA 9112A

GIBENS, SAKI AND WILLIAMS  
ENGINEERING, SALES & MARKETING, INC.  
SUNNYVALE, CALIFORNIA

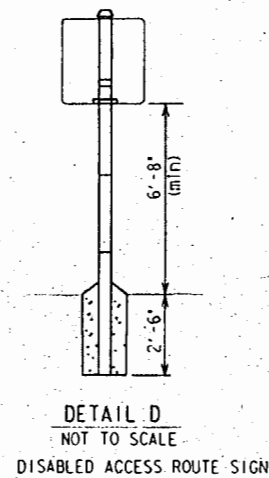
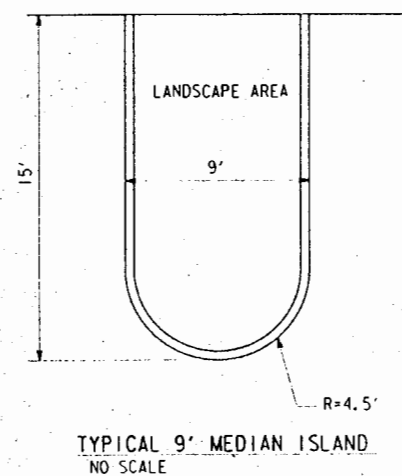
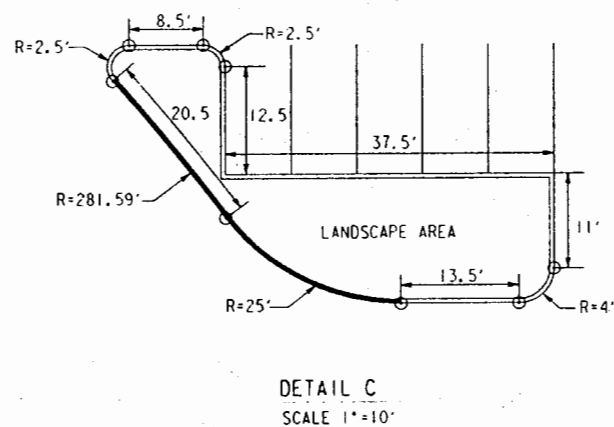
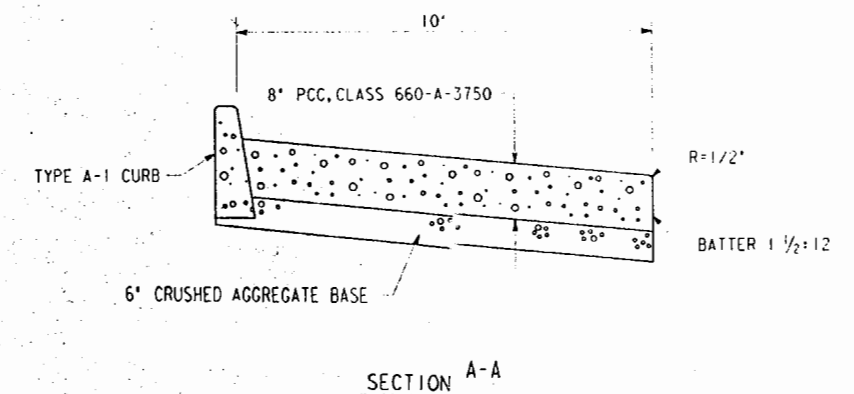
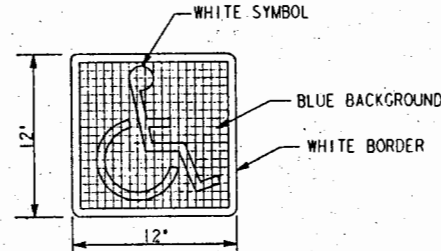
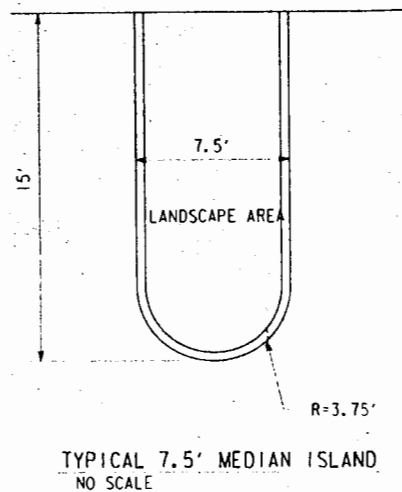
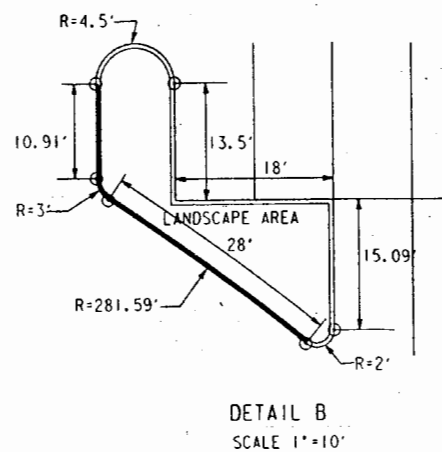
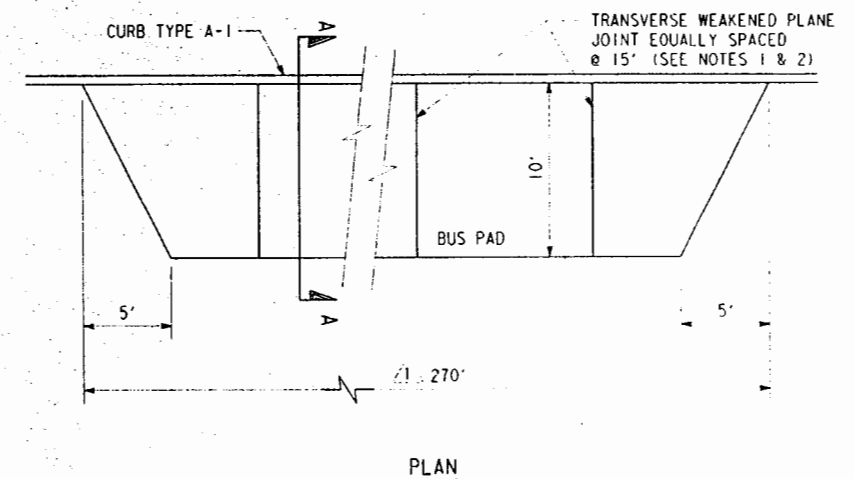
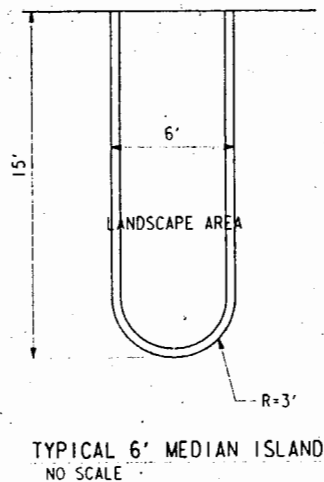
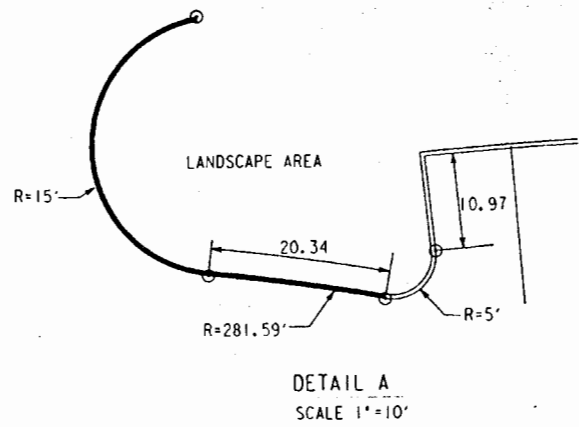
SUBMITTED: *[Signature]* APPROVED: *[Signature]*

COMMUTER RAIL PROJECT  
SYLMAR/SAN FERNANDO STATION  
SPECIAL DETAILS

C-7270
C-6
9
NO SCALE

R-3





NOTES:

1. CONCRETE BUS PADS SHALL BE CLASS 660-A-3750 EXCEPT, WHEN BUS PAD IS Poured MONOLITHIC WITH CURB & GUTTER, CONCRETE SHALL BE CLASS 660-C-3750.
2. TRANSVERSE WEAKENED PLANE JOINTS SHALL BE SAWCUT TO A DEPTH OF 1 1/2". SEALANT AND DOWELS ARE NOT REQUIRED. SEE SUB-SECTION 302-6.5.4.

BUS PAD DETAIL  
NO SCALE

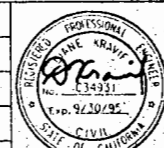
NOTES:

1. 1/8" THICK 12" x 12" PAINTED ALUMINUM WITH SILKSCREENED SYMBOL. MOUNT ONE OR TWO SIGNS ON 2" DIA. GALVANIZED STEEL POST AND PROVIDE 18" CLEARANCE FROM SIDEWALKS.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN THE CITY OF LOS ANGELES BUILDING STANDARDS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND, THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.

R-4

REV.	DATE	DESCRIPTION	BY	APP.
JAN 1 1994	1994	ISSUED FOR CONSTRUCTION	GTC	

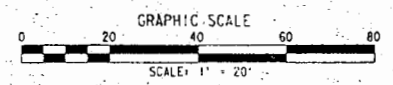
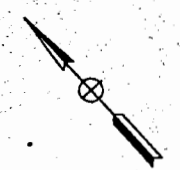
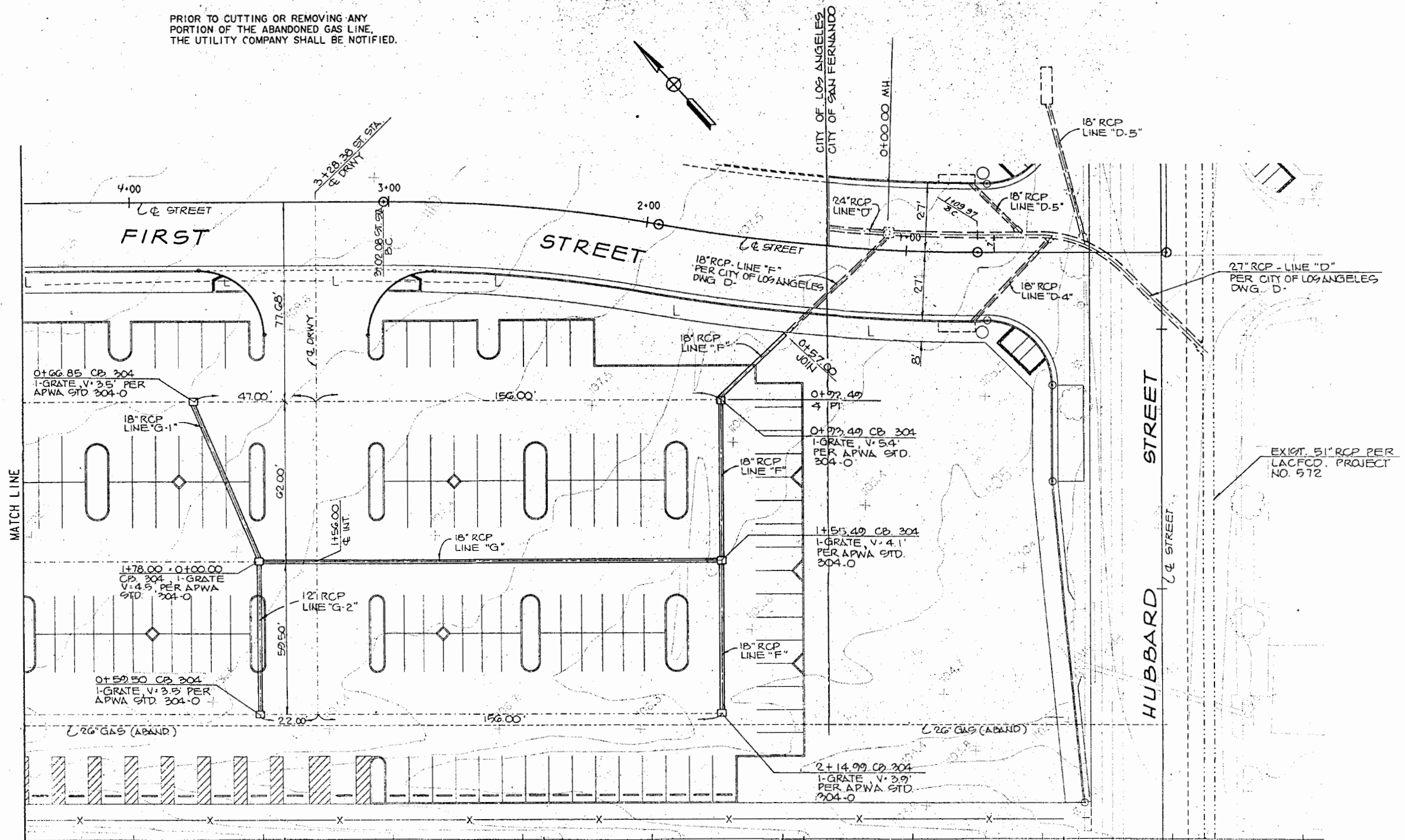
DESIGNED BY	GTL
DRAWN BY	CAG
CHECKED BY	PA
APPROVED BY	<i>[Signature]</i>
DATE	11/16/92



SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY COMMUTER RAIL DESIGN AND CONSTRUCTION	
PARSONS DE LEUW, INC. 100 W. WALNUT STREET PASADENA, CALIFORNIA 91129	JENKINS, SAIRLAND WILLIAMS JENKINS, SALES & MARTINEZ, INC. SHERMAN, KAMPS & ASSOCIATES
SUBMITTED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>

COMMUTER RAIL PROJECT SYLMAR/SAN FERNANDO STATION MISCELLANEOUS CONSTRUCTION DETAILS	
PROJECT NUMBER	C-7270
REVISION	C-7
DATE	10
SCALE	AS NOTED

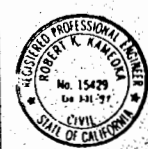
**NOTE:**  
 PRIOR TO CUTTING OR REMOVING ANY  
 PORTION OF THE ABANDONED GAS LINE,  
 THE UTILITY COMPANY SHALL BE NOTIFIED.



**R-5**

PROJECT NUMBER	REV.	DATE	DESCRIPTION	BY	APP.
		JAN 4 1994	ISSUED FOR CONSTRUCTION	QC	
		8/23/93	REVISED STORM DRAIN	D.N.	D.K.
		3/09/93	CN 1/CO 1 REVISED DRAINAGE, ADDED DETAIL	GTL	DK
		1/27/93	ISSUED FOR CONSTRUCTION		

DESIGNED BY  
 DRAWN BY  
 CHECKED BY  
 APPROVED BY  
 DATE

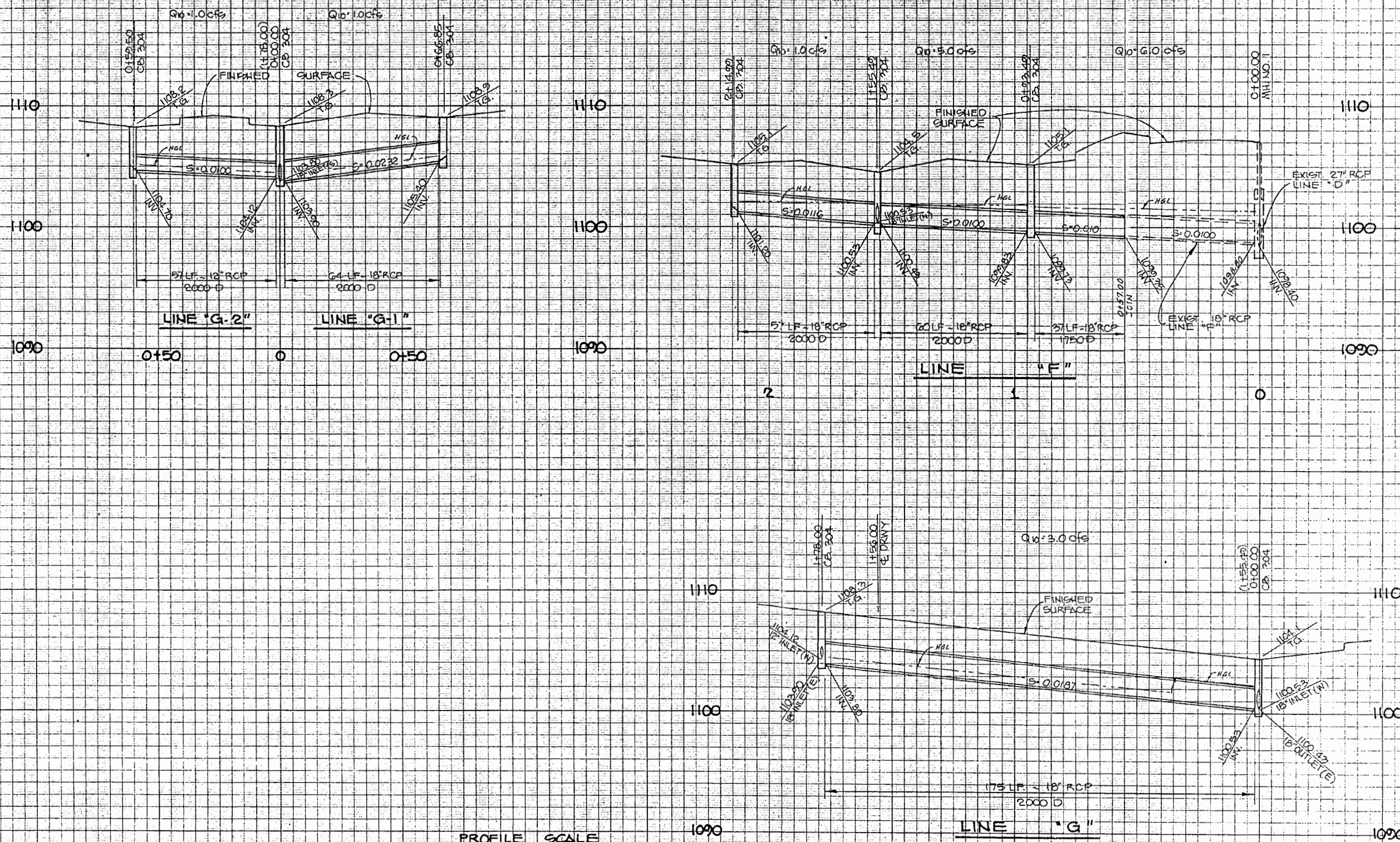


**SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY**  
 COMMUTER RAIL DESIGN AND CONSTRUCTION

PREPARED BY:  
**ROBERT KAMEOKA**  
 5011 ACACIA STREET  
 SAN GABRIEL, CA 91776  
 (919) 296-6127

SUBMITTED: *Robert K. Kameoka* APPROVED: *William H. H...*

**COMMUTER RAIL PROJECT**  
**SYLMAR/SAN FERNANDO STATION**  
**DRAINAGE PLAN**



PROFILE SCALE  
 HORIZ. 1" = 20'  
 VERT. 1" = 4'

**R-6**

PROJECT NO.	102845	ISSUED FOR CONSTRUCTION	DATE	JAN 5 1993
CONTRACT NO.	366	REVISED STORM DRAIN	DATE	8/23/93
LINE ITEM	102845	DESCRIPTION	BY	RK
PHYSICAL ENTITY	STORM DRAIN	DESCRIPTION	BY	RK
WORK ELEVATION		DESCRIPTION	BY	RK

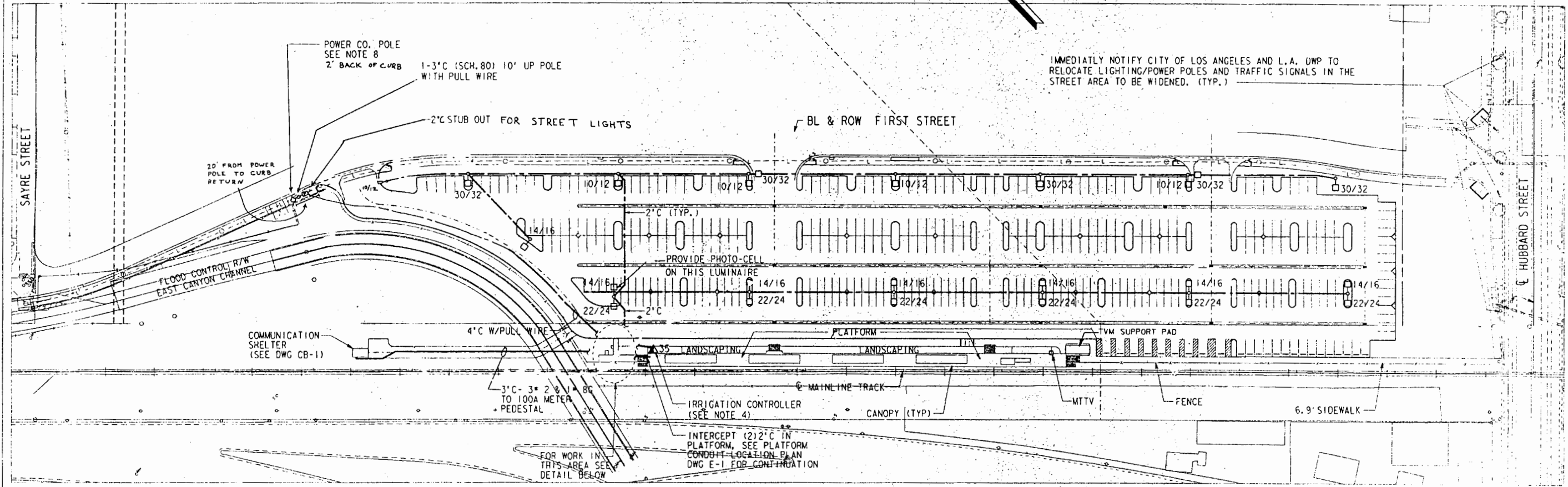
DESIGNED BY	ROBERT KAMEOKA
DRAWN BY	ROBERT KAMEOKA
CHECKED BY	
APPROVED BY	Walter [Signature]
DATE	

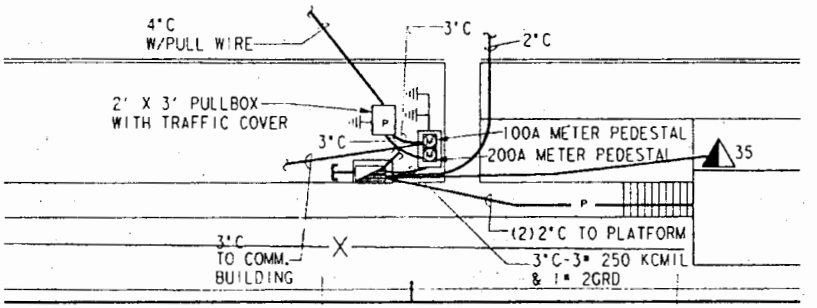
	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY COMMUTER RAIL DESIGN AND CONSTRUCTION PREPARED BY: ROBERT KAMEOKA 5011 ACACIA STREET SAN GABRIEL, CA 91776 (918) 286-6127
SUBMITTED BY: [Signature]	APPROVED: [Signature]

CONTRACT NO.	C-7270
DRAWING NO.	C-13
REVISION SHEET NO.	2 OF 16
SCALE	



IMMEDIATELY NOTIFY CITY OF LOS ANGELES AND L.A. DWP TO RELOCATE LIGHTING/POWER POLES AND TRAFFIC SIGNALS IN THE STREET AREA TO BE WIDENED. (TYP.)



DETAIL - SERVICE AREA  
NO SCALE

NOTES:

1. ALL WIRING WITHIN LIGHT POLES SHALL BE #10 AWG.
2. ALL LIGHT POLE WIRING SHALL BE FUSED AT THE BASE.
3. CONTROL VALVES SHALL BE WIRED ON SEPARATE ZONES. EACH CONTROL VALVE SHALL HAVE A COMMON NEUTRAL, AND ITS OWN PILOT WIRE. SEE MANUFACTURER'S WIRING DIAGRAM.
4. SEE IRRIGATION PLAN FOR EXACT LOCATION OF CONTROL VALVES.
5. ALL CONDUIT SHALL BE PVC BURIED 30\"/>

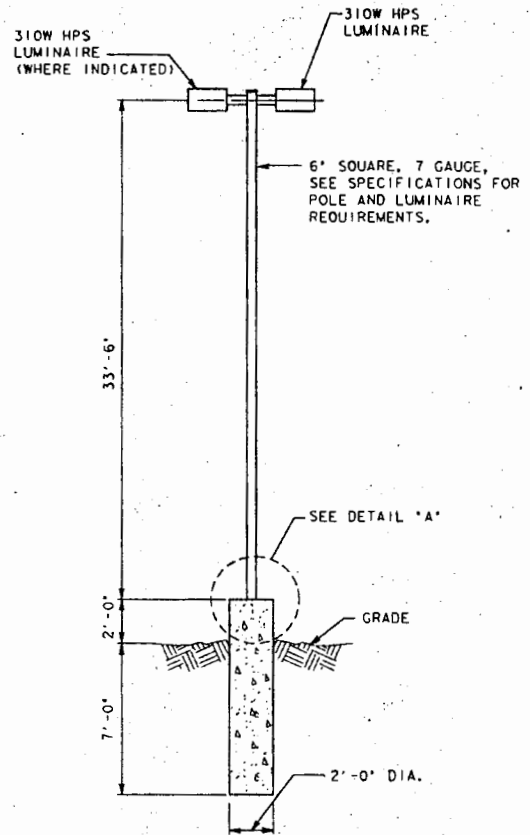
LEGEND

- PVC CONDUIT
- LIGHTING STANDARD 310W HPS 35\"/>
- SERVICE CABINET, 120/240 VAC, 1-PHASE, 3-WIRES
- 2/4 CIRCUIT NO. 2 & 4
- CONDUIT STUB-OUT 2\"/>
- PULL BOX 2 1/2\"/>
- PEDESTAL SERVICE METER W/ 2P, 240V CIRCUIT BREAKER. SEE NOTE #8 AND DWG E-7 FOR DETAIL.
- 5/8\"/>

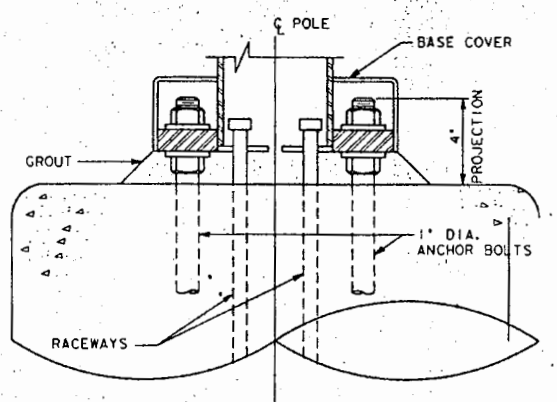
DWP REPRESENTATIVE  
KEVIN DEM  
11761 ROSCOE BLVD.  
SUN VALLEY 91352  
(818)771-5028  
(818)771-5090 (FAX)  
METER ADDRESS: 2004-14500 HUBBARD ST.  
METER ADDRESS: 1004-14500A HUBBARD ST.

**R-7**

PROJECT NUMBER	JAN 1 1994	ISSUED FOR CONSTRUCTION	RS	DK	Information confidential to all plans, drawings, specifications, and/or information furnished herewith shall remain the property of the Southern California Regional Rail Authority and shall be held confidential, and shall not be used for any purpose not provided for in agreements with the SCRA.	DESIGNED BY	LOS			SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY COMMUTER RAIL DESIGN AND CONSTRUCTION		PARSONS DE LEUW, INC. 100 W. WALNUT STREET PASADENA, CALIFORNIA 91129 SUBMITTED: <i>With Plot</i>	GIVENS, SARRI AND WILLIAMS ENGINEERS, SALES & MARKETING, INC. SANCHEZ, CAMPS & ASSOCIATES	CONTRACT NO.	C-7270
	REV. DATE		DESCRIPTION	BY		APP.	CHECKED BY			HN	APPROVED BY			SKG	DATE
COMMUTER RAIL PROJECT SYLMAR/SAN FERNANDO STATION ELECTRICAL SITE PLAN															
SCALE: 1" = 50'															

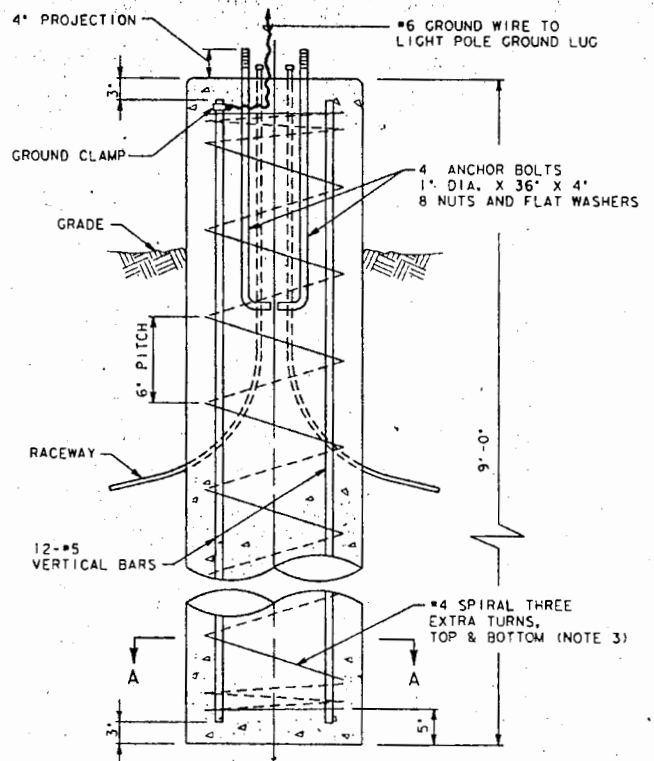


**PARKING LOT LIGHTING STANDARD DETAIL**  
SCALE: NONE

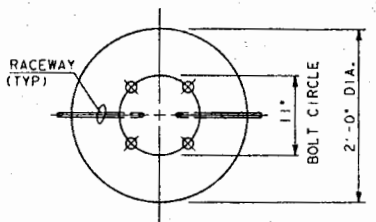


**DETAIL 'A'**  
SCALE: 3'-1'-0"

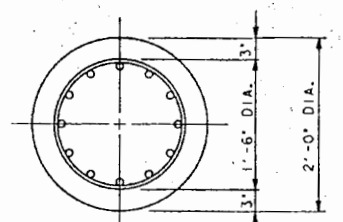
- FOUNDATION NOTES:**
1. CONCRETE SHALL BE CLASS 560-C-3250 WITH A MAXIMUM SLUMP OF 4 INCHES AND CURED FOR TEN DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
  2. RACEWAY TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.
  3. USE #4 SPIRAL AT 6" PITCH OR SUBSTITUTE #4 TIES AT 6" ON CENTER. #4 TIES SHALL HAVE 1'-6" LAP.
  4. EXCAVATION FOR FOUNDATION SHALL BE MADE WITH AN AUGER OF THE SAME DIAMETER AS THE FOUNDATION, AND SOIL SURROUNDING THE FOUNDATION SHALL REMAIN IN ITS UNDISTURBED STATE.
  5. THE ANCHOR BOLTS SHALL BE PROPERLY SECURED IN PLACE, USING FACTORY SUPPLIED TEMPLATE.
  6. PROVIDE GROUND CLAMP SECURED TO THE VERTICAL BAR OF THE REBAR CAGE WITH #6 GROUND WIRE PIGTAIL TO LIGHT POLE GROUND LUG.



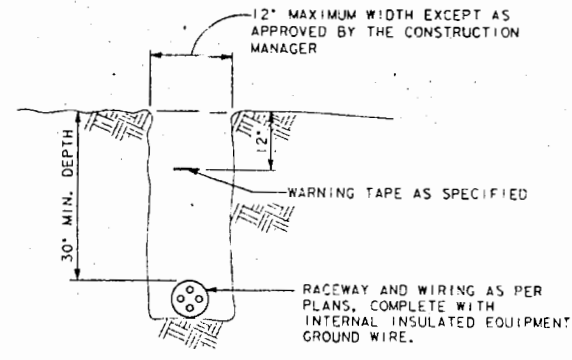
**PARKING LOT LIGHTING STANDARD FOUNDATION DETAIL**  
SCALE: NONE



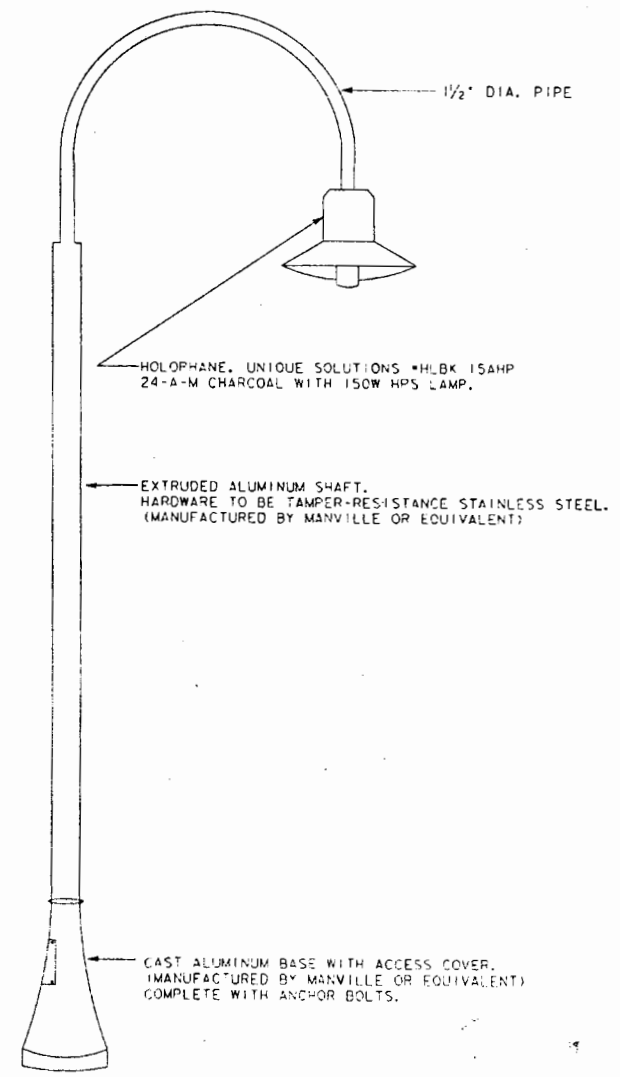
**TOP VIEW**  
LIGHTING STANDARD FOUNDATION  
SCALE: 1'-1'-0"



**SECTION A-A**  
SCALE: 1'-1'-0"



**TYPICAL WIRING IN TRENCH DETAIL**  
SCALE: NONE

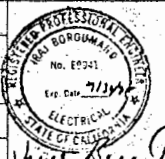


**DETAIL**  
SIDE PLATFORM POLE MOUNTED FIXTURE  
COLOR: CHARCOAL  
SCALE: NONE

PROJECT NUMBER	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT
JAN 1 1994				
REV. DATE	DESCRIPTION			
	ISSUED FOR CONSTRUCTION			

Information confidential all plans, drawings, specifications, and/or information furnished herein shall remain the property of the Southern California Regional Rail Authority and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Southern California Regional Rail Authority.

DESIGNED BY: LOS  
 DRAWN BY: HN  
 CHECKED BY: RES  
 APPROVED BY: SKG  
 DATE: 11/16/92

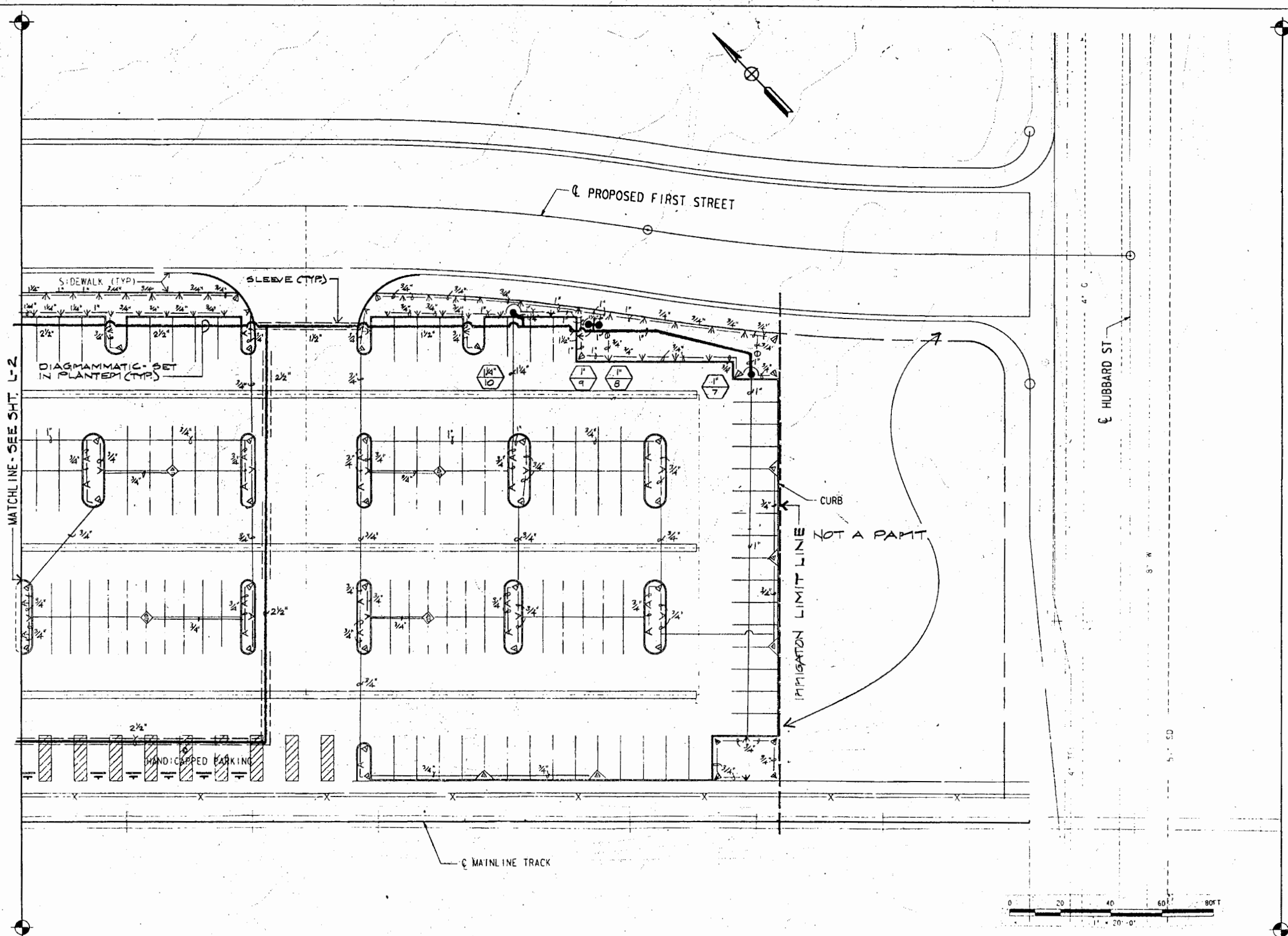


**SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY**  
 COMMUTER RAIL DESIGN AND CONSTRUCTION  
 PARSONS DE LEUW, INC.  
 100 W. WALNUT STREET  
 PASADENA, CALIFORNIA 91126  
 SUBMITTED: *with photo*  
 APPROVED: *[Signature]*

**COMMUTER RAIL PROJECT**  
 SYLMAR/SAN FERNANDO STATION  
 LIGHTING STANDARD DETAILS

CONTRACT NO. C-7270  
 DRAWING NO. E-6  
 REVISIONS SHEET NO. 34  
 SCALE: AS SHOWN

**R-B**



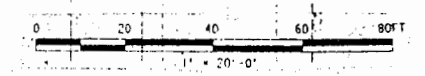
MATCHLINE - SEE SHT. L-2

PROPOSED FIRST STREET

HUBBARD ST

MAINLINE TRACK

CURB  
 NOT A PART  
 IRRIGATION LIMIT LINE



R-9



PROJECT NUMBER	CONTRACT NUMBER	DATE	DESCRIPTION
92-9054		JAN 4 1994	ISSUED FOR CONSTRUCTION
		JAN 27 1993	ISSUED FOR CONSTRUCTION

Information contained in all plans, drawings, specifications, and irrigation furnished hereon is the property of the Los Angeles County Transportation Commission and shall not be used for any purpose not provided for in agreements with the Los Angeles County Transportation Commission.

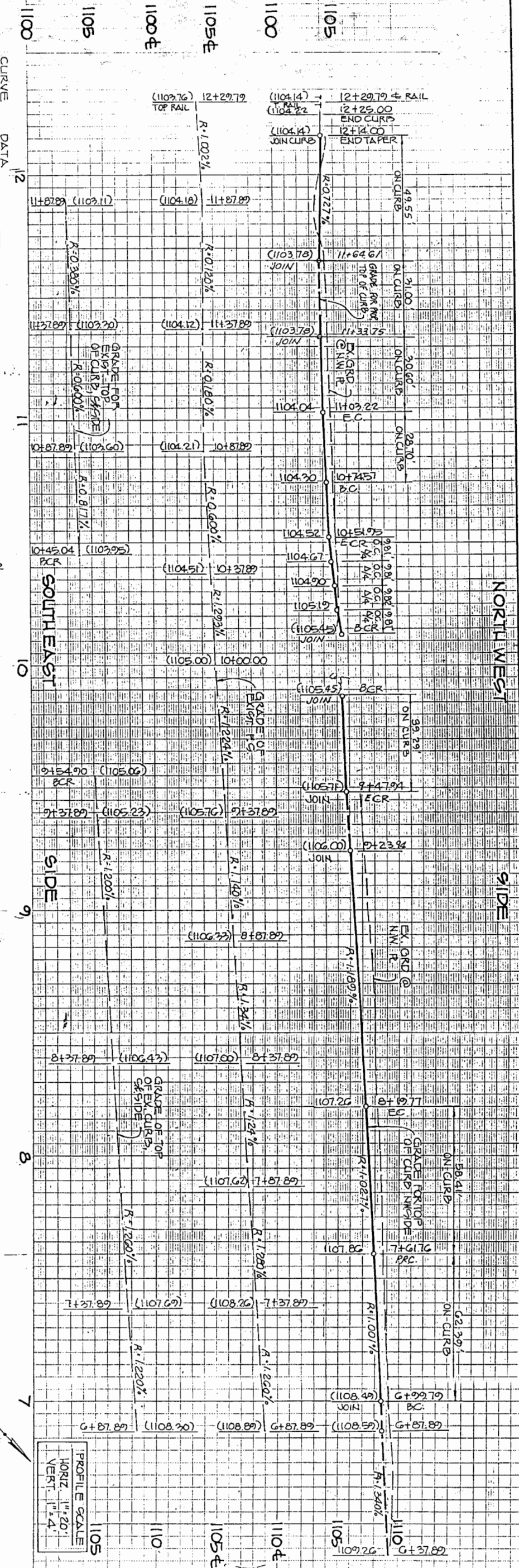
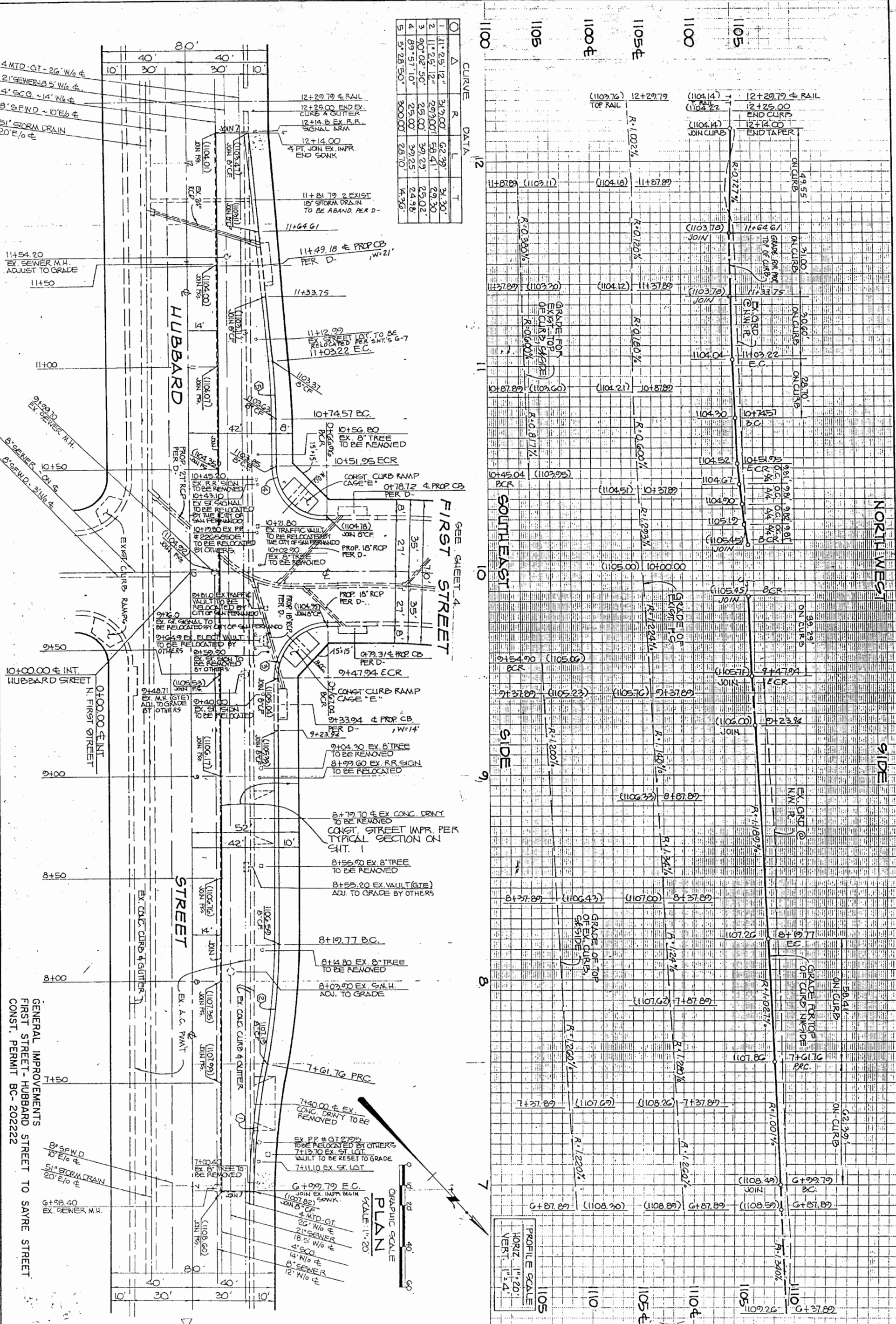
DESIGNED BY: D.K.P.  
 DRAWN BY: D.K.P.  
 CHECKED BY: L.P.M.  
 APPROVED BY: L.P.M.  
 DATE: 8-5-92

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY  
 COMMUTER RAIL DESIGN AND CONSTRUCTION  
 DE LEUN, CATHER & CO.  
 100 W. WALNUT STREET  
 PASADENA CALIF. 91124  
 SUBMITTED: *William DeLeon*  
 APPROVED: *Lawrence R. Moss*

COMMUTER RAIL PROJECT  
 SYLMAR / SAN FERNANDO STATION  
 IRRIGATION PLAN  
 SHEET 3 OF 3

CONTRACT NO. C-7270  
 DRAWING NO. L-3  
 SHEET 3 OF 3  
 SCALE 1" = 20'

Δ	Δ	R	T
1	11°25'12"	31,700'	5,239'
2	11°25'12"	29,300'	5,841'
3	9°02'50"	25,000'	3,923'
4	69°57'10"	25,000'	3,923'
5	5°28'50"	300,000'	28,710'



SEE SHEET 4  
FIRST STREET

GRAPHIC SCALE  
SCALE: 1" = 20'

SCALES  
HORIZ: 1" = 20'  
VERT: 1" = 4'

SHEET 5

INDEX NUMBER P-34612

GENERAL IMPROVEMENTS  
FIRST STREET - HUBBARD STREET TO SAYRE STREET  
CONST. PERMIT BC-202222

CITY OF LOS ANGELES ROBERT S. THORNTON CITY ENGINEER DATE: 12-7-93 DIV./DIST. ENGR. R.E. NO. 4941	NO.	REVISION DESCRIPTION	DIV./DIST. ENGR.	DATE	DESIGNED	PVT. ENGR.	DATE
					DRAWN	PVT. ENGR.	8-93
					CHECKED	<i>H. Arenal-hard</i>	8-93
					SUPERVISED	A. Nohass	9-1-93
					PROJECT ENGR.	<i>P. D. Vetter</i>	R.E. NO. 993
					ASST. DIV./DIST. ENGR.	<i>R. J. Taylor</i>	R.E. NO. 29754
							4-81

BEAUREGARD ENGINEERING  OFFICIAL RECORD	SHEET 62 OF 62
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