

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 132 SOUTH SPOKANE STREET
 SEATTLE, WASHINGTON - PROJECT NO. 2004-405G

RE-BID

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON

RE-BID

PROJECT INFORMATION

OWNER
 Department of Social and Health Services
 Lands and Buildings Division - Capital Programs
 P.O. Box 45848
 Olympia, WA 98504-5848
 Mr. Edwin Valbert, Project Manager
 (253) 416-1022 Fax: (253) 593-2025

PROJECT LOCATION
 132 SOUTH SPOKANE STREET
 SEATTLE, WA

DESIGN TEAM

ARCHITECT
 KMB Justice Facilities Group
 828-7th Avenue SE
 Olympia, Washington 98501
 Steve Anderson, AIA CSI
 Mark Beardcamp, AIA
 (360) 352-8883 Fax: (360) 352-8853

CIVIL ENGINEER
 Consultants, Inc.
 PO Box 608
 Issaquah, WA 98027
 Dwight L. Holobaugh, P.E.
 (425) 551-9726 Fax: (425) 551-2814

STRUCTURAL ENGINEER
 Putnam Collins Scott Associates
 950 Pacific Avenue Suite 1100
 Tacoma, WA 98402
 Jim Collins, SE, Principal
 (253) 383-2797 Fax: (253) 383-1551

MECHANICAL ENGINEER
 Hiltz/BU Inc. Consulting Engineers
 2401 North 31st Street, Suite 200
 Tacoma, Washington 98401
 Robert Hamilton, PE, Principal
 (253) 383-3251 Fax: (253) 383-3283

ELECTRICAL ENGINEER
 DEI Electrical Consultants, Inc.
 926 W. Sprague, Suite 680
 Spokane, WA 99201-4015
 Steve Helms, P.E. Principal
 Ernie Nye, Project Engineer
 (509) 747-9139 Fax: (509) 623-1555

SECURITY ELECTRONICS
 DEI Electrical Consultants, Inc.
 926 W. Sprague, Suite 680
 Spokane, WA 99201-4015
 Steve Helms, P.E. Principal
 (509) 747-9139 Fax: (509) 623-1555

LANDSCAPE ARCHITECT
 Robert W. Droll Assoc.
 4425 7th Ave SE
 Lacey, WA 98503
 (360) 493-2063 Fax: (360) 456-3813

COST ESTIMATING
 Summers Consulting, Inc.
 533 NE 192th St.
 Lake Forrest Park, WA
 Mike Summers
 (206) 511-1808 Fax: Same

BUILDING CODE NOTES

Code Study for Spokane Street, BCTP
 2003 International Building Code

Occupancy
 First Floor 1-3 Condition 2 and 3
 Second Floor 3-3
 Separation requirements for individual use areas
 Furnish Rooms (over 500 sq ft) 1 Hour
 Laundry Rooms (over 100 sq ft) 1 Hour
 Storage Rooms (over 100 sq ft) 1 Hour
 1-3 with 2-1/2 hours
 Nurse Collection Rooms (over 100 sq ft) 1 Hour
 Linen Collection Rooms (over 100 sq ft) 1 Hour
 1-2 Hours w/ Fire Sprinkler System

Accessory Use
 Cannot be used for accessory spaces over 10% of a given floor

Non-departed Uses
 Uses repetitive type of construction applied to entire building

Separated Uses
 Each Occupancy separated by the walls per Table 1002.2
 Description provided for 1-hour separation between 1-3 and 2
 Separation requirements between occupancies
 Occupancy Area Separation
 1-3 1 Hour
 1-3 1 Hour if the sprinkled

Special Requirements for 1-3 Occupancy
 "Fixed Occupancy"
 Means of Egress
 Lock requirements
 Vertical Stairways
 Smoke Barriers
 Required for each floor and to separate any floor with
 occupancy over 500

Independent Egress
 Single-Exit Permitted in Sleeping Areas 50 feet from exit corridor
 *No 50 ft exit aggregate opening at sleeping room door
 Smoke-Light Doors at Sleeping Rooms
 Regulated Smoke Control
 Minimum Heights and Buffering Areas

Building Types
 1-3
 Max Stories 4
 Allowable Area (Square Feet)
 5000

Height Restrictions
 Sprinkler System Increase
 Max Stories + 2 - 40' 4"

Area Restrictions
 Area Calculation (Single Story)
 A = A1 + (A2 x 0.7) + [(A3 x 0.5) / 100]
 5000 + 5000 + [(5000 x 0.5) / 100] = 5250 sq. ft.
 Max Stories
 Max Stories Building
 5000 x 2 = 10000 sq. ft.

Actual Area
 First Floor
 Building 1000' x 80' = 80,000 sq. ft. OK
 Second Floor
 Building 800' x 60' = 48,000 sq. ft. OK

Conversion Tables
 Requests for V-B
 Structural Frame @ Hour
 Beating Walls (Interior) @ Hour
 Beating Walls (Exterior) @ Hour
 Non-beating Walls @ Hour
 Floor Construction @ Hour
 Roof Construction @ Hour
 Per Table A9.1

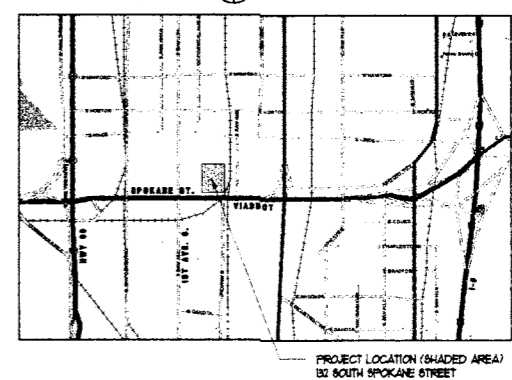
DRAWING INDEX

ARCHITECTURAL:
 A01 TITLE SHEET, PROJECT INFO.
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 A21 SITE PLAN
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 A42 INTERIOR SECTIONS
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 A83 ARCHITECTURAL DETAILS
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 C2 GRADING PLAN
 C3 SEWER PLAN
 C4 WATER PLAN

STRUCTURAL:
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 S02 STRUCTURAL GENERAL NOTES
 S03 STRUCTURAL GENERAL NOTES
 S04 STRUCTURAL GENERAL NOTES
 S05 STRUCTURAL GENERAL NOTES AND ABBREVIATIONS
 S06 FOUNDATION PLAN
 S07 SECOND FLOOR FLOORING PLAN
 S08 ROOF FLOORING PLAN
 S09 FOUNDATION DETAILS
 S10 FOUNDATION DETAILS
 S11 MASONRY DETAILS
 S12 STRUCTURAL DETAILS
 S13 STRUCTURAL DETAILS
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 S15 STRUCTURAL DETAILS
 S16 STRUCTURAL DETAILS

VICINITY MAP



DRAWING ABBREVIATIONS

A	AND	DR	DOOR	HTR	HEATER	RH	ROUGH
AN	ANGLE	DHM	DETENTION SECURITY HOLLOW METAL	HHT	HOT WATER HEATER	RO	ROUGH OPENING
AT	AT	DMS	DRAWING	HND	HEIGHT	SC	SOLID CORE
CL	CENTER LINE	DPA	DRAIN	HDP	HOLE DIAPHER	SCB	SOLID CORE
CN	CONCRETE	DPL	DRAIN PAN	HDF	HOLE FACE	SF	SQUARE FOOT (FEET)
CP	CENTER POINT (FEET)	DPS	DOWN PITCH	HDI	HOLE DIAMETER	SH	SHEET
CQ	CONCRETE QUANTITY	EPS	EXTERIOR INSULATION AND FINISH SYSTEM	HDI	HOLE DIAMETER	SHT	SHEATHING
CR	CLEARANCE	EJ	ELEVATION	INT	INTERIOR	SI	SI
CS	CLEARANCE SCHEDULE	EL	ELEVATION	JAN	JANITOR	SM	SQUARE METER
CT	CENTRAL TRENCH	ELC	ELECTRICAL	JOH	JOIST	SQ	SQUARE
CD	CENTERLINE	ELEV	ELEVATION	JOH	JOIST	SS	STAINLESS STEEL
CH	CHEMICAL	EN	ENGINEER	JOT	JOINT	SPC	SPECIFICATIONS
CI	CONCRETE	ENG	ENGINEER	KIT	KITCHEN	SR	STAIR
CL	CLEARANCE	EQ	EQUAL	LAT	LATERAL	SB	SERVICE BUNK
CL	CLEARANCE	ES	EQUIPMENT	LBS	LINEAL FEET	SK	STANDARD
CM	CONCRETE MASS	EXP	EXPANSION	LF	LINEAL FEET	STD	STANDARD
CO	CORNER	EXP	EXPANSION	LT	LENGTH	STL	STEEL
CO	CORNER	EXI	EXT. INT. DIMS	MR	MORTISE REBARS	STR	STRUCTURAL
CO	CORNER	EXT	EXTERIOR	MRL	MORTISE REBAR	SUP	SUPPLEMENTATION
CO	CORNER	EXT	EXTERIOR	MAT	MATERIAL	SV	SHEET METAL
CO	CORNER	EXT	EXTERIOR	MAX	MAXIMUM	STH	STRUCTURAL STEEL
CO	CORNER	EXT	EXTERIOR	ME	MACHINE BOLT	T	TOP
CO	CORNER	EXT	EXTERIOR	MEH	MECHANICAL	T & B	TOP AND BOTTOM
CO	CORNER	EXT	EXTERIOR	MEZ	MEZANINE	T & G	TONGUE AND GROOVE
CO	CORNER	EXT	EXTERIOR	MFR	MANUFACTURER	TR	TACK BOARD
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TRK	TRACK
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TN	TOP NAIL
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOC	TOP OF CONCRETE
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF FINISH
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF FLOOR
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF MASONRY
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF JOINT
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF CEILING
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOP	TOP OF WALL
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TOT	TOLERANCE DIMENSION
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TR	TRANSVERSE
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TR	TRANSVERSE
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TR	TRANSVERSE
CO	CORNER	EXT	EXTERIOR	MHT	MATERIAL HANDLING TRAY	TR	TRANSVERSE

DRAWING SYMBOLS

Detailed description of drawing symbols for walls, sections, and elevations.	ROOF NUMBER FOR FINISH SCHEDULE
Detailed description of drawing symbols for doors.	DOOR NUMBER FOR DOOR SCHEDULE
Detailed description of drawing symbols for windows.	WINDOW TYPE WINDOW NUMBER
Detailed description of drawing symbols for ceiling heights.	CEILING DEMAGINATION CEILING HEIGHT

APPROVALS

Signature: Beverly K. Wilson
 Title: Deputy Director
 Date: 11/05/04

Signature: Nancy D. Deaton
 Title: Deputy Director
 Date: 11/4/04

Signature: Edin Valbert
 Title: Program Project Manager
 Date: 11/4/04

JUSTICE FACILITIES GROUP
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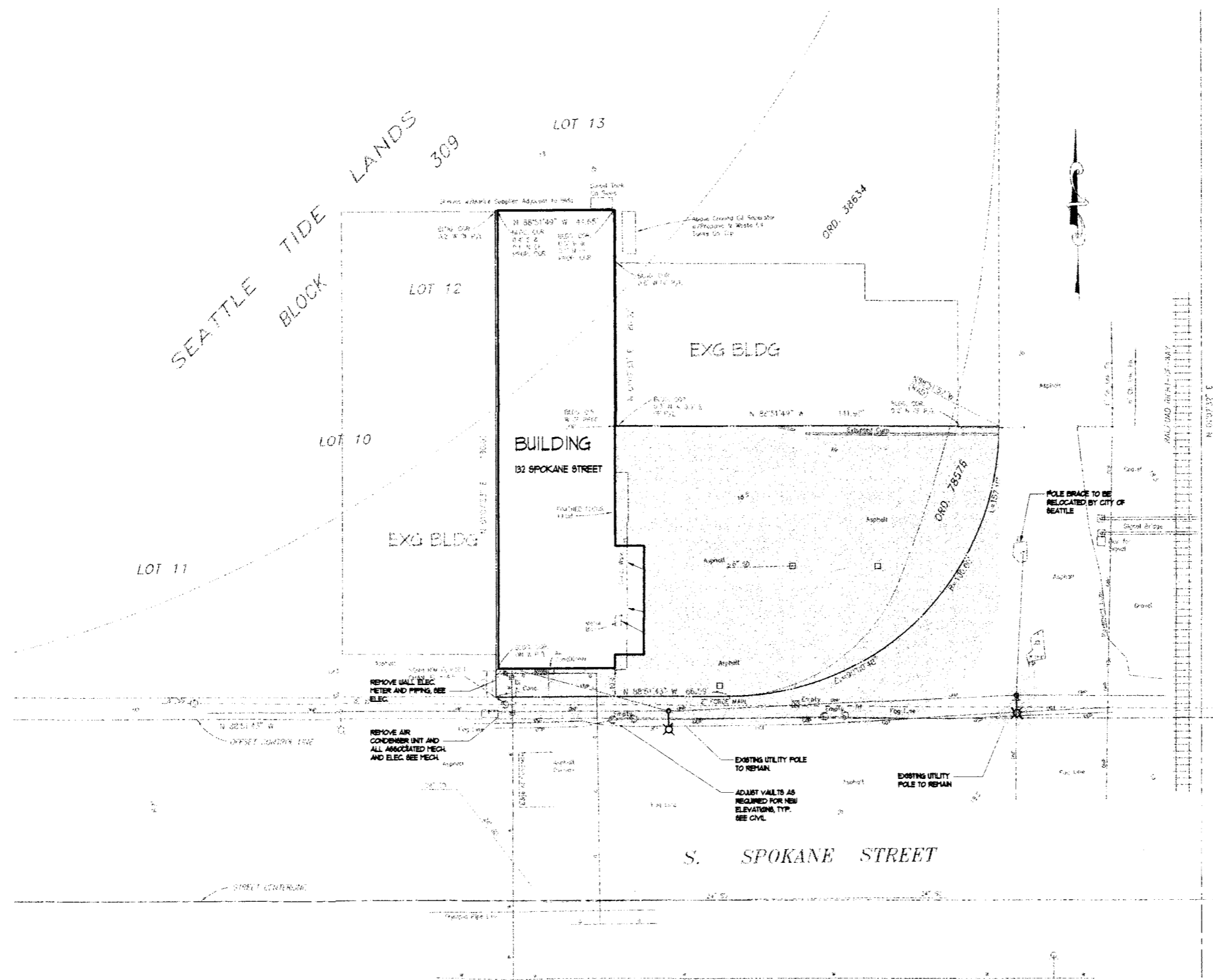
ORIGINAL SHEET
 SIZE - 22 x 34
 HALF SHEET
 REDUCTIONS - 157

DRAWN BY:
 KMB DESIGN TEAM
 DATE: 11-01-04

SHEET NO.
 A0.1

RECEIVED
 NOV - 5 2004
 DSHS Lands & Buildings

10
11
12
13



DEMOLITION SITE PLAN
SCALE: 1/20

- GENERAL NOTES:
1. REMOVE ALL SIGNAGE FROM BLDG. EXTERIOR AND TURN OVER TO OWNER.
 2. REMOVE ALL PAVEMENT AS REQUIRED TO CONSTRUCT NEW PARKING LOT AND STREET FRONT IMPROVEMENTS. SEE CIVIL.
 3. ADJUST EXISTING UNDERGROUND UTILITIES, VALVES, MANHOLES ETC. TO NEW GRADES AS REQ'D. SEE CIVIL.
 4. REMOVE ALL ABANDONED STRUCTURES - BUILDING EXTERIOR AND PAVED AREA.
 5. SEE CIVIL, MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION REQUIREMENTS.

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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 SEATTLE, WASHINGTON

REGISTERED ARCHITECT
 MARK A. BEAUCHEMIN
 STATE OF WASHINGTON

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 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 22" x 34"
 HALF SIZE
 REDUCTIONS = 1/2"

DRAWN BY
 KMB DESIGN TEAM
 DATE
 11-01-04
 SHEET NO.
A11

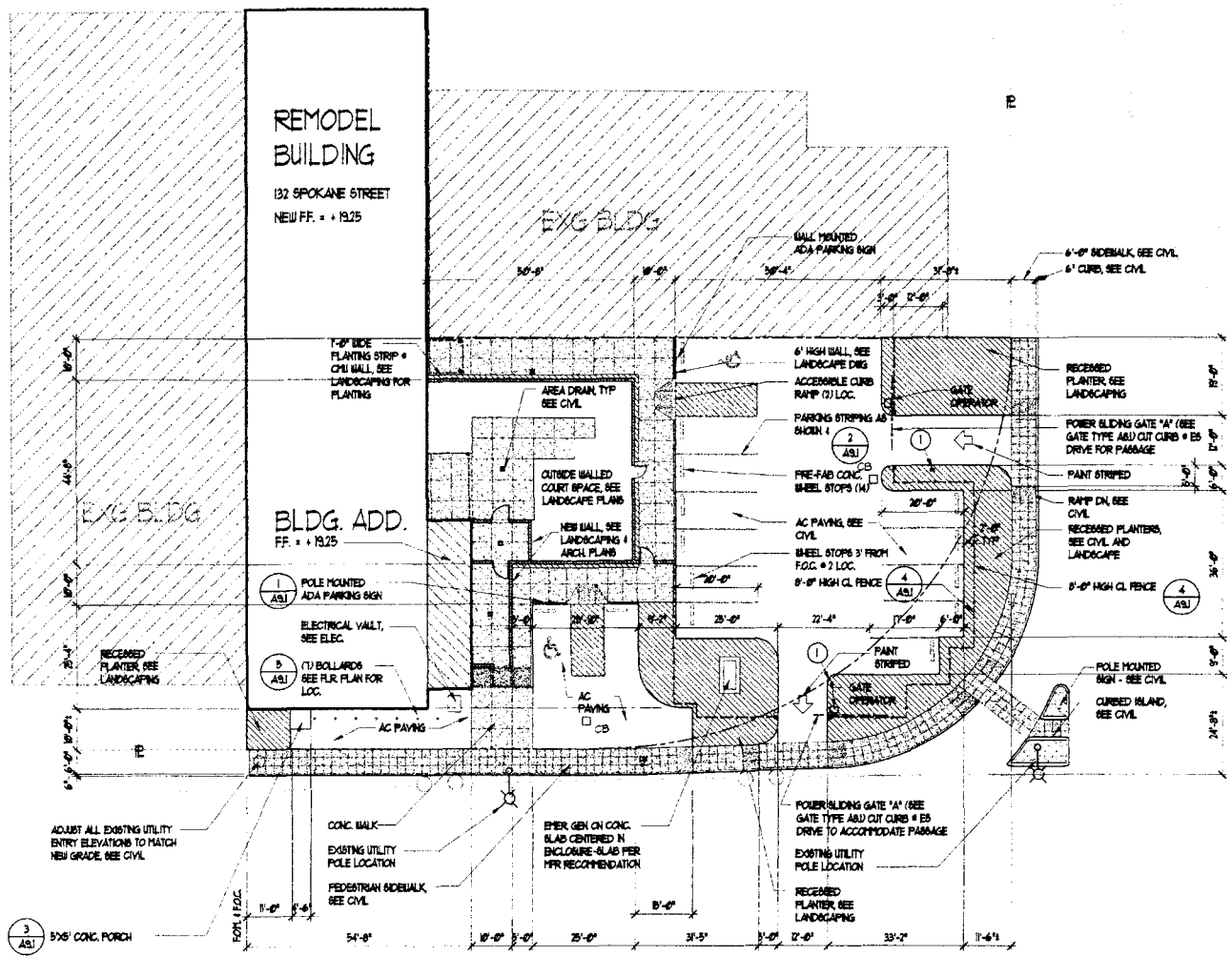
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REVISIONS:

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ORIGINAL SHEET SIZE = 22 x 34
 HALF SIZE REDUCTIONS = 1/8"
 DRAWN BY: KMB DESIGN TEAM
 DATE: 11-01-04
 SHEET NO: **A1.2**



PROJECT NORTH
SITE PLAN
 SCALE: 1/20

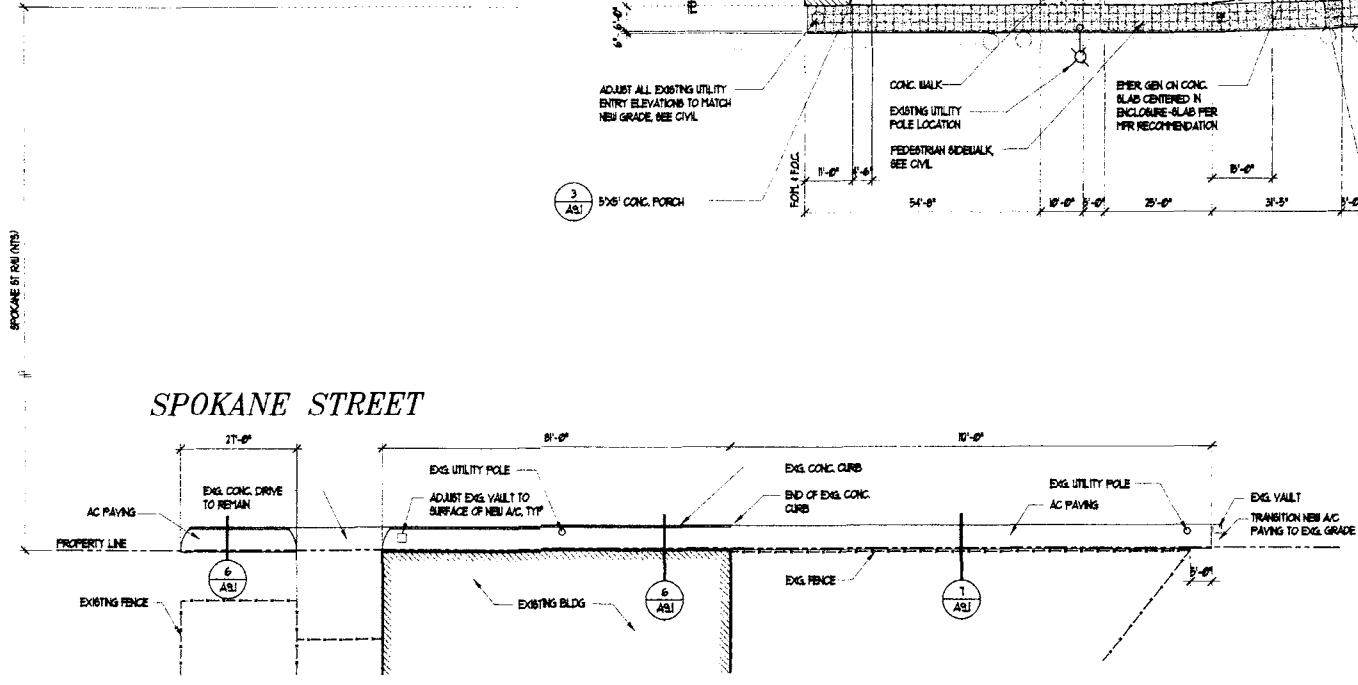
NOTES:

- ENTRY/EXIT PEDESTAL (SEE SECURITY ELECTRONICS) ON 8" SQUARE X 36" CONC. PAD W/ (4) 5" VERT. 1" TIES & 6" CONC. CHAMFER EXPOSED CORNERS - SLOTTED PATTERN PER MFR. INFORMATION. CONDUIT ENTRY UP THRU PAD INTO PEDESTAL VERT. AMP. FACE OF PEDESTAL PANEL TO ALIGN W/ THE BACK FACE OF CURB. LOCATE PEDESTAL 18"-0" BACK FROM OPERABLE GATE.

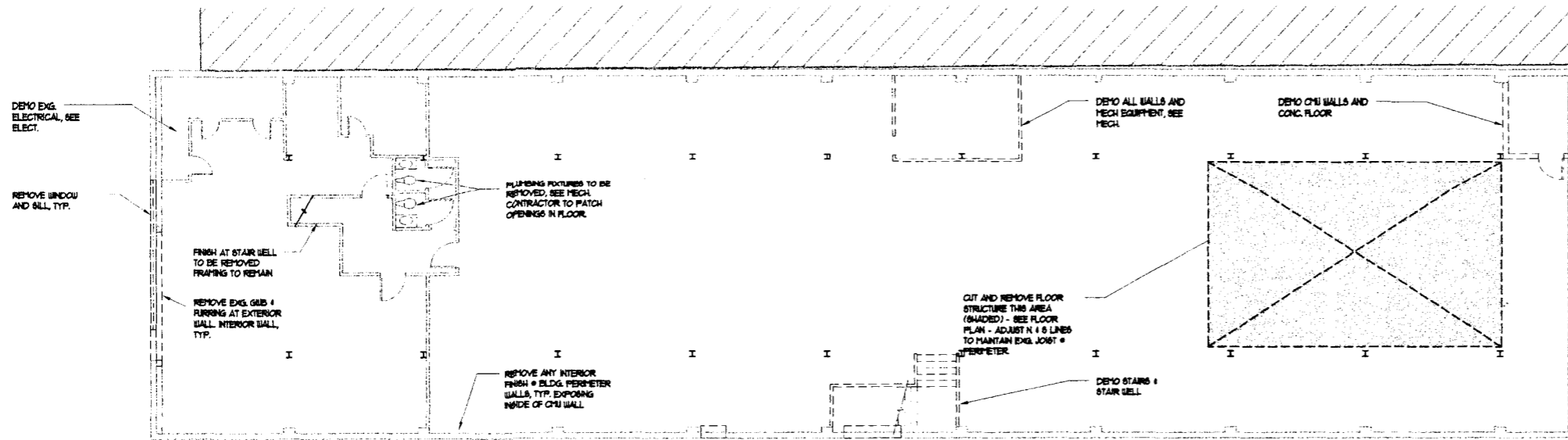
LEGEND

- LANDSCAPE AREA SEE LANDSCAPE PLAN
- CONCRETE PAVED AREA SEE CIVIL PLAN
- AC PAVED AREA SEE CIVIL PLAN
- CURB WALLS - SEE LANDSCAPING PLAN
- RAPPED WALK SEE CIVIL

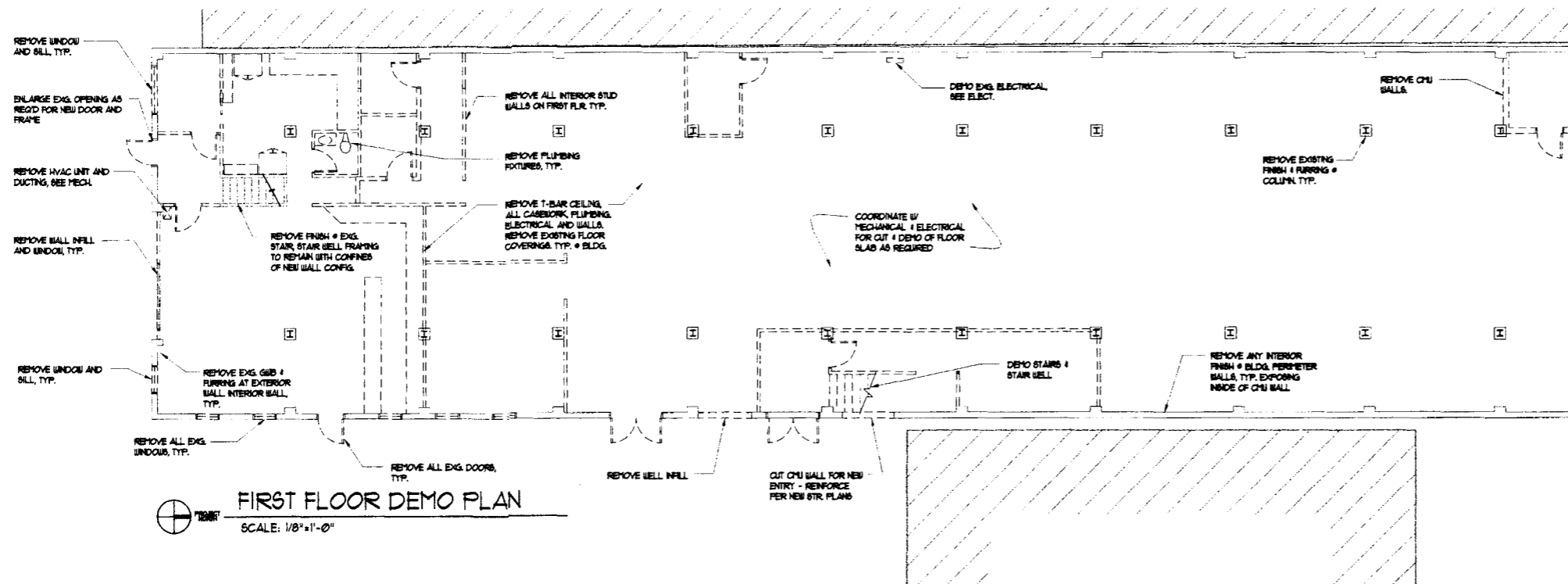
- GENERAL NOTES:**
- STREET IMPROVEMENTS PER CITY OF SEATTLE REQUIREMENTS AND
 - EXACT PLAN OF CL FENCING TO BE ESTABLISHED IN CONSTRUCTION. (SHOP DRAWINGS)



PROJECT NORTH
NEW WALK - SOUTH SIDE SPOKANE ST.
 SCALE: 1/20



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



FIRST FLOOR DEMO PLAN
SCALE: 1/8"=1'-0"

- GENERAL NOTES:**
1. REMOVE ALL FINISH FLOORING AND PREP ENTIRE FIRST FLOOR SLAB IN PREPARATION TO RECEIVE LEVELING CONC. POUR, SEE MECH & ELEC. FOR SLAB CUTS.
 2. REMOVE ALL INTERIOR WALLS, FINISHES & PARTITIONS ON 1ST FLOOR UNO.
 3. REMOVE ALL MISC. ABANDONED STRUCTURES AND HARDWARE FROM BLDG.
 4. SEE MECH. AND ELEC. FOR ADDITIONAL DEMOLITION.
 5. REMOVE ANY FINISH FURRING & THE INTERIOR OF THE FOUR EXTERIOR WALLS, EXPOSING INSIDE OF CHU WALLS, CEILING, ETC.
 6. CONTRACTOR OPTION TO DEMOLISH EXISTING SECOND FLOOR PARTITIONS.

- LEGEND:**
- ==== EXG. TO BE REMOVED
 - EXG. WALLS TO REMAIN
 - I EXG. COLUMNS TO REMAIN

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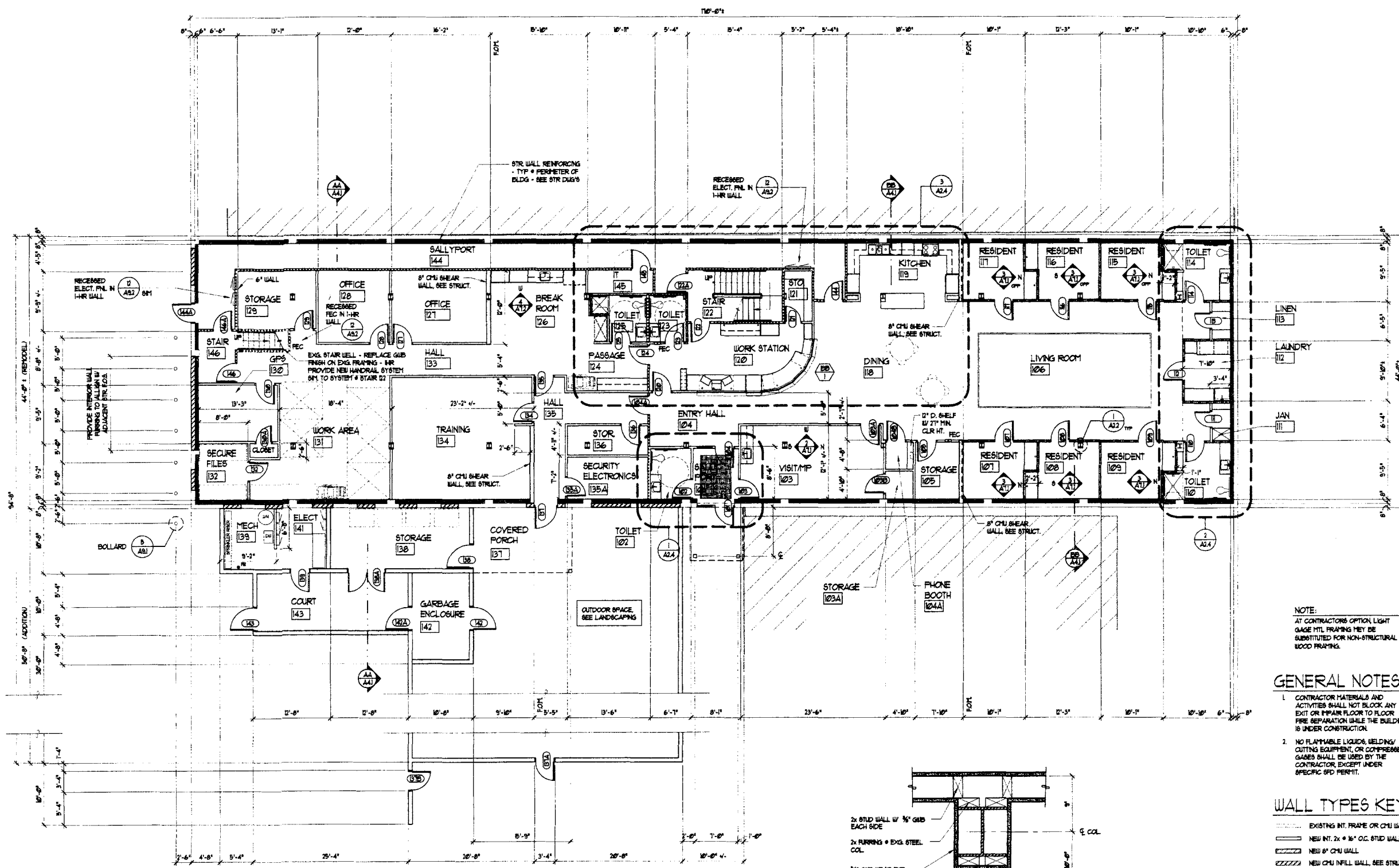
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ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 1/2"

DRAWN BY:
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DATE: 11-01-04

SHEET NO.
A21



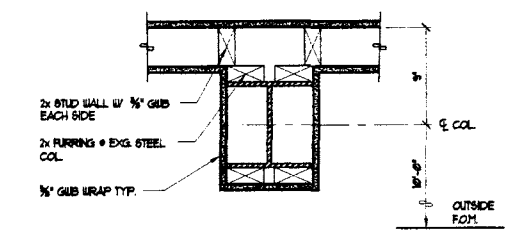
NOTE:
 AT CONTRACTOR'S OPTION LIGHT
 GAGE HTL FRAMING MAY BE
 SUBSTITUTED FOR NON-STRUCTURAL
 WOOD FRAMING.

GENERAL NOTES:

- CONTRACTOR MATERIALS AND ACTIVITIES SHALL NOT BLOCK ANY EXIT OR IMPAIR FLOOR TO FLOOR FIRE SEPARATION WHILE THE BUILDING IS UNDER CONSTRUCTION.
- NO FLAMMABLE LIQUIDS, WELDING/CUTTING EQUIPMENT, OR COMPRESSED GASES SHALL BE USED BY THE CONTRACTOR, EXCEPT UNDER SPECIFIC SPD PERMIT.

WALL TYPES KEY

- EXISTING INT. FRAME OR CHU WALL
- NEW INT. 2x 16" O.C. STUD WALL
- NEW 6" CHU WALL
- NEW CHU INFILL WALL, SEE STRUCT.
- NEW STL. STUD FURRING, SEE STRUCT.
- NEW 2x FRAME WALL - 1 HR
- NEW 2x FRAME WALL SMOKE BARRIER
- SOUND WALL, SOUND BATT PER SPEC.



1 TYP EXG. COL. COVER
 Scale: 1/2" = 1'-0" (OTHER COL. COND. SPD)

FIRST FLOOR REMODEL PLAN
 SCALE: 1/8" = 1'-0"

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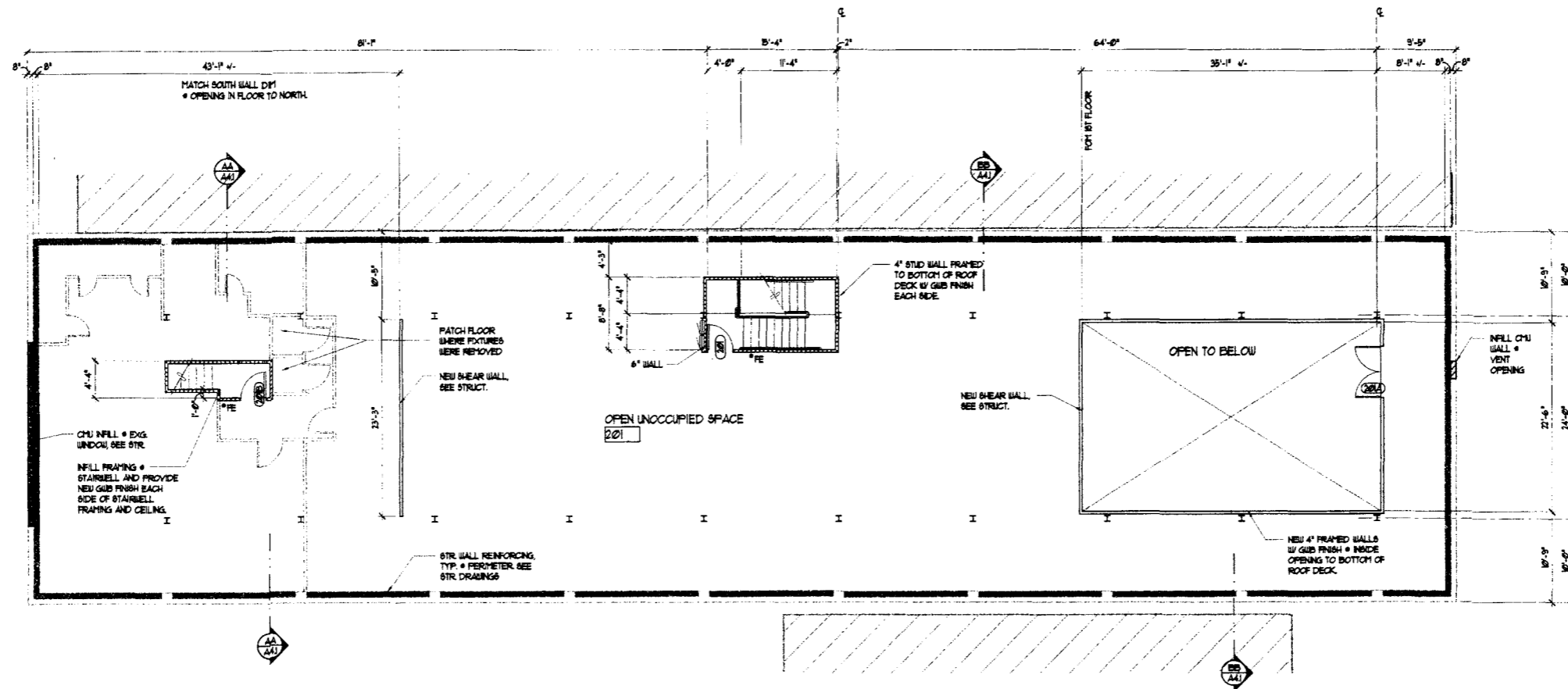
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ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 1x17

DRAWN BY
 KMB DESIGN TEAM
 DATE 11-01-04
 SHEET NO.






A2.2



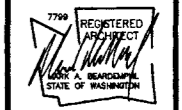

SECOND FLOOR REMODEL PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 AT CONTRACTORS OPTION, LIGHT
 GAGE PTL FRAMING MAY BE
 SUBSTITUTED FOR NON-STRUCTURAL
 WOOD FRAMING.

WALL TYPES KEY

-  EXISTING INT. FRAME OR CHU WALL
- NEW INT. 2x @ 16" OC, STUD WALL
- NEW 8" CHU WALL
-  NEW CHU INFILL WALL, SEE STRUCT.
- NEW 6" STUD FURRING, SEE STRUCT.
-  NEW 2x FRAME WALL - 1 HR
-  NEW 2x FRAME WALL SMOKE BARRIER
-  SOUND WALL, SOUND BATT PER SPEC.

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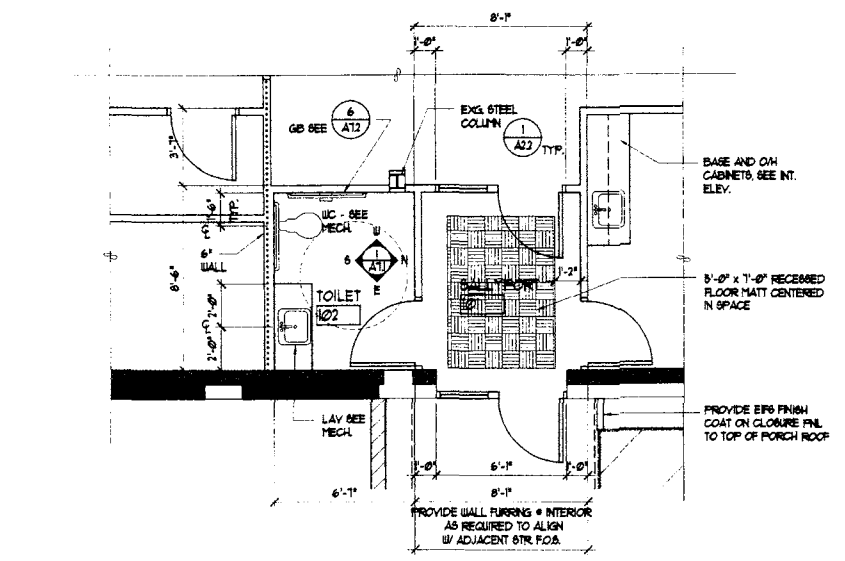
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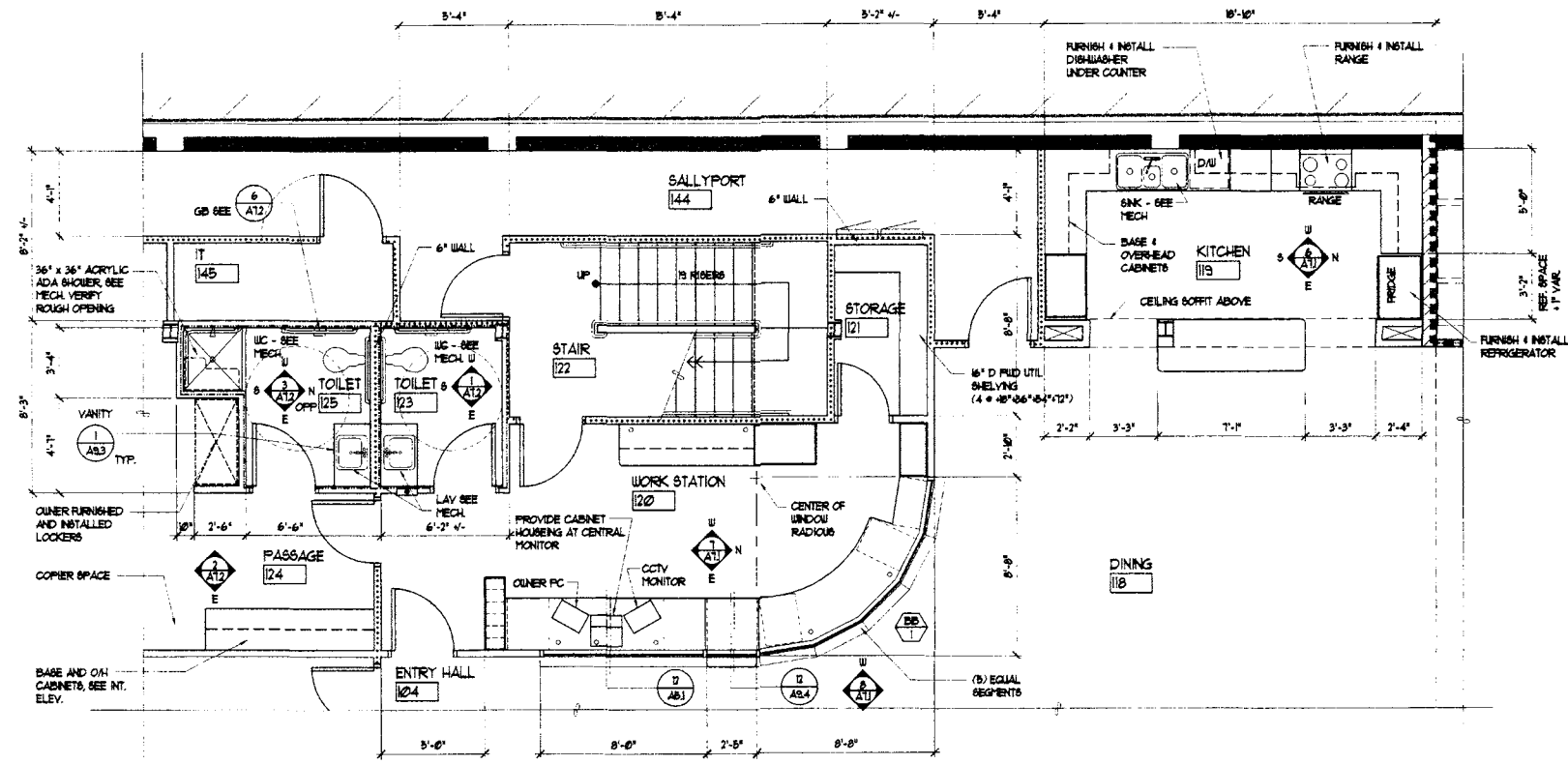
ORIGINAL SHEET
 SIZE - 22 x 34
 HALF SIZE
 REDUCTIONS - 1/4"

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SHEET NO.
A2.3



1 TOILET/SALLYPORT ENLARGED PLAN
 Scale: 1/4" = 1'-0"
 NOTE: SEE INTERIOR ELEVATIONS FOR CABINET LAYOUT AND DETAILS

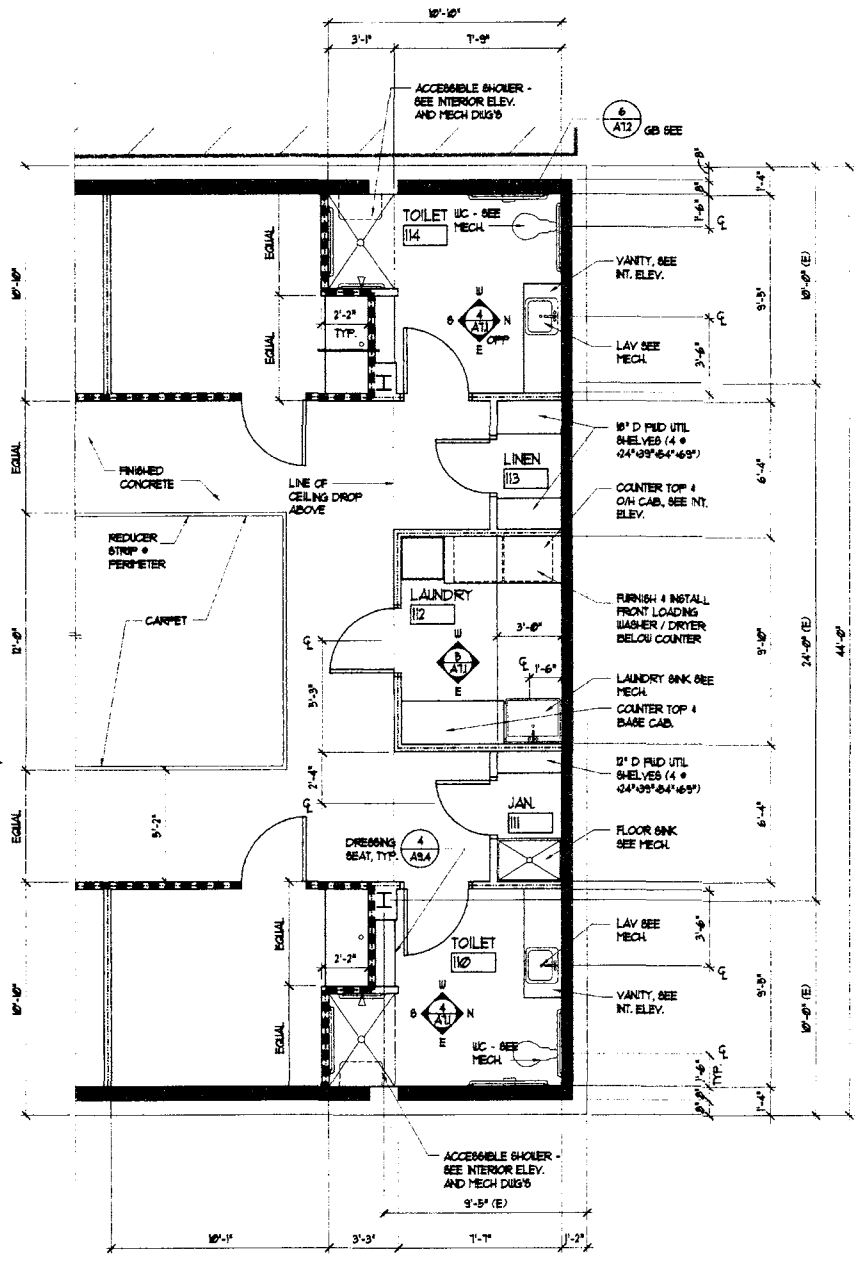


3 WORKSTATION/KITCHEN ENLARGED PLAN
 Scale: 1/4" = 1'-0"
 NOTE: SEE INTERIOR ELEVATIONS FOR CABINET LAYOUT AND DETAILS

NOTE:
 AT CONTRACTOR'S OPTION, LIGHT GAGE METAL FRAMING MAY BE SUBSTITUTED FOR NON-STRUCTURAL WOOD FRAMING.

WALL TYPES KEY

- EXISTING INT. FRAME OR CHU WALL
- NEW INT. 2x 6 1/2" O.C. STUD WALL
- NEW 2" CHU WALL
- NEW CHU INFILL WALL, SEE STRUCT.
- NEW STL. STD. FLOORING, SEE STRUCT.
- NEW 2x FRAME WALL - 1 HR.
- NEW 2x FRAME WALL SMOKE BARRIER
- SOUND WALL, SOUND BATT PER SPEC.



2 TOILET/LAUNDRY ENLARGED PLAN
 Scale: 1/4" = 1'-0"
 NOTE: SEE INTERIOR ELEVATIONS FOR CABINET LAYOUT AND DETAILS

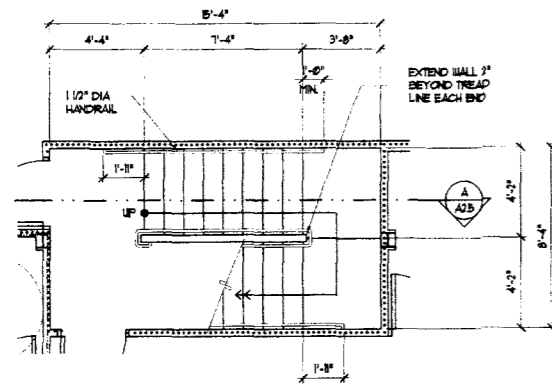
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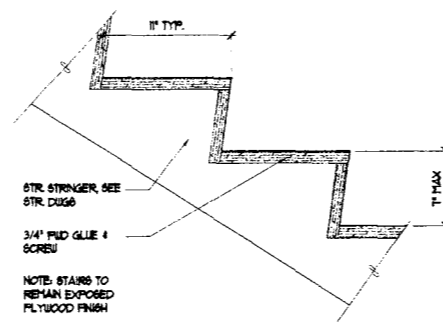
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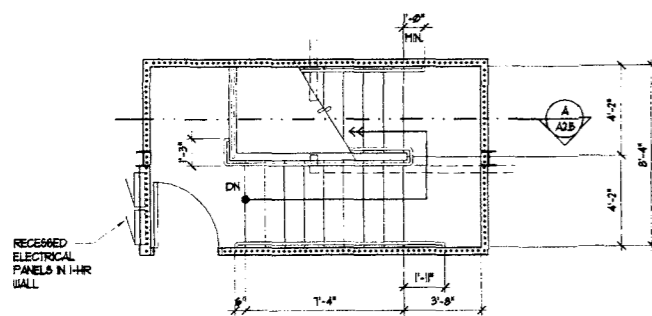
ORIGINAL SHEET SIZE = 24" x 36"
 HALF SIZE REDUCTIONS = 11x8
 DRAWN BY: KMB DESIGN TEAM
 DATE: 11-01-04
 SHEET NO.: **A2.4**



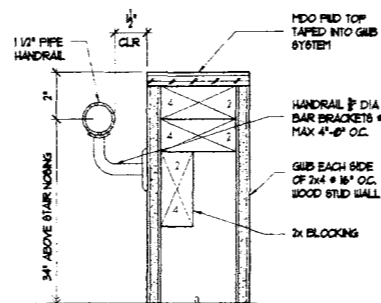
1 STAIR #122 - ENLARGED STAIR PLAN
Scale: 1/4" = 1'-0"
FIRST FLOOR



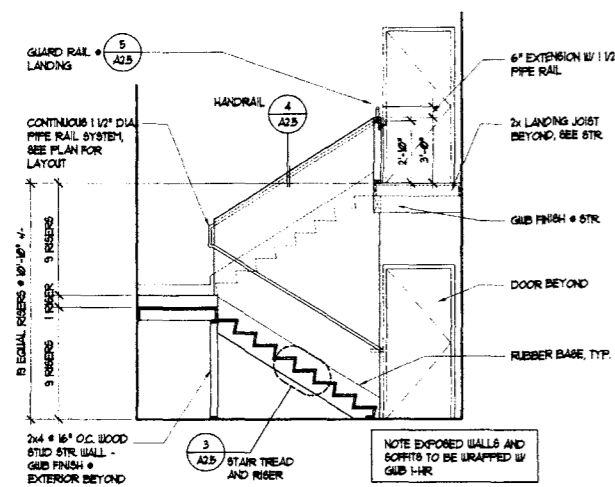
3 STAIR TREAD & NOSING
Scale: 1/2" = 1'-0"



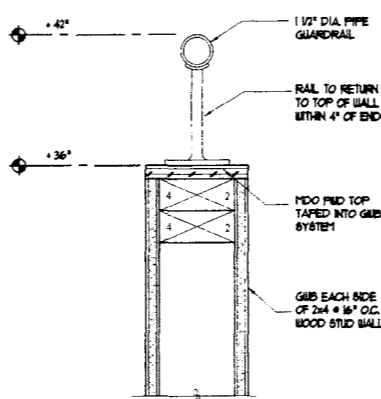
2 STAIR #122 - ENLARGED STAIR PLAN
Scale: 1/4" = 1'-0"
SECOND FLOOR



4 HAND RAIL
Scale: 3/4" = 1'-0"



A STAIR #122 - SECTION
Scale: 1/4" = 1'-0"



5 GUARD RAIL
Scale: 3/4" = 1'-0"

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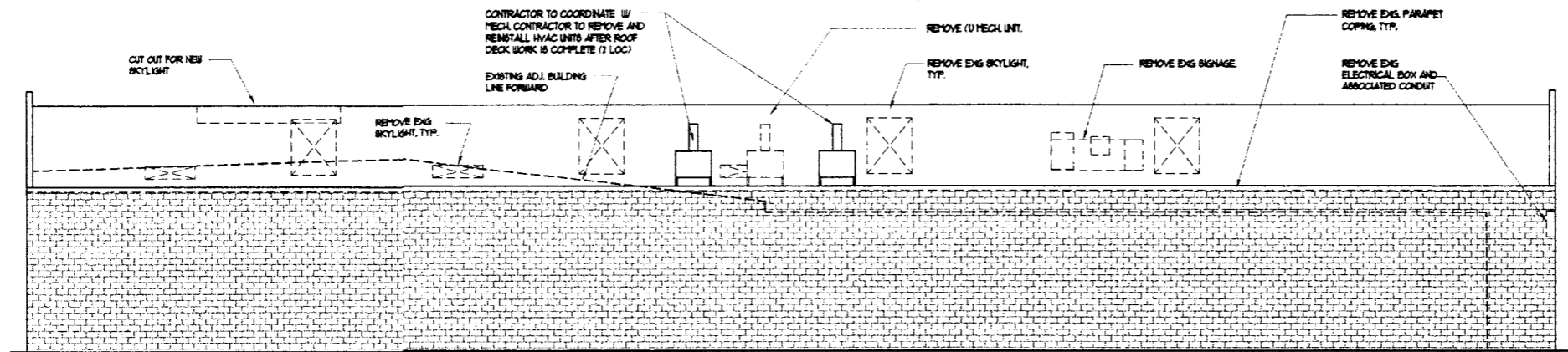
NO.	REVISION

KIM B. JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8853

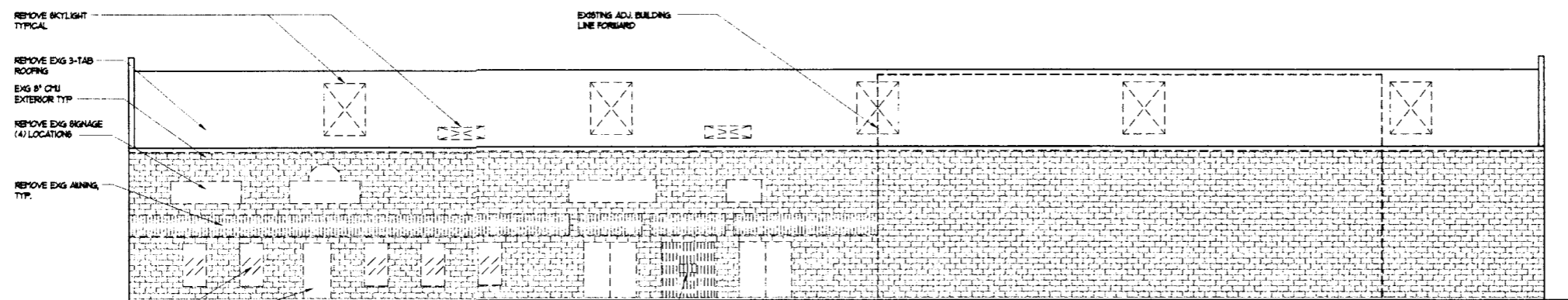
ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 11x7

DRAWN BY:
KIM DESIGN TEAM
DATE: 11-01-04

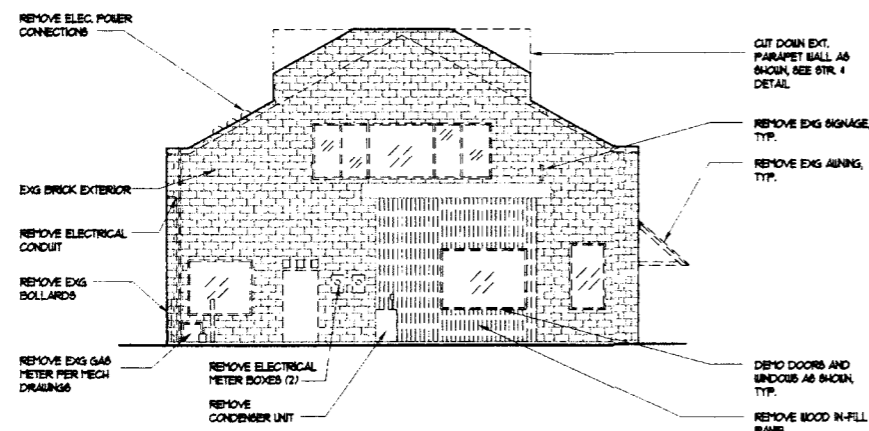
SHEET NO.
A2.5



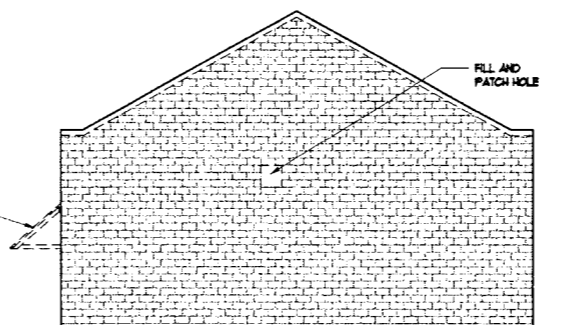
1 WEST ELEVATION DEMOLITION
SCALE: 1/8"=1'-0"



2 EAST ELEVATION DEMOLITION
SCALE: 1/8"=1'-0"



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



4 NORTH ELEVATION DEMOLITION
SCALE: 1/8"=1'-0"

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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KING COUNTY
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SEATTLE, WASHINGTON

RF-BID



REVISIONS

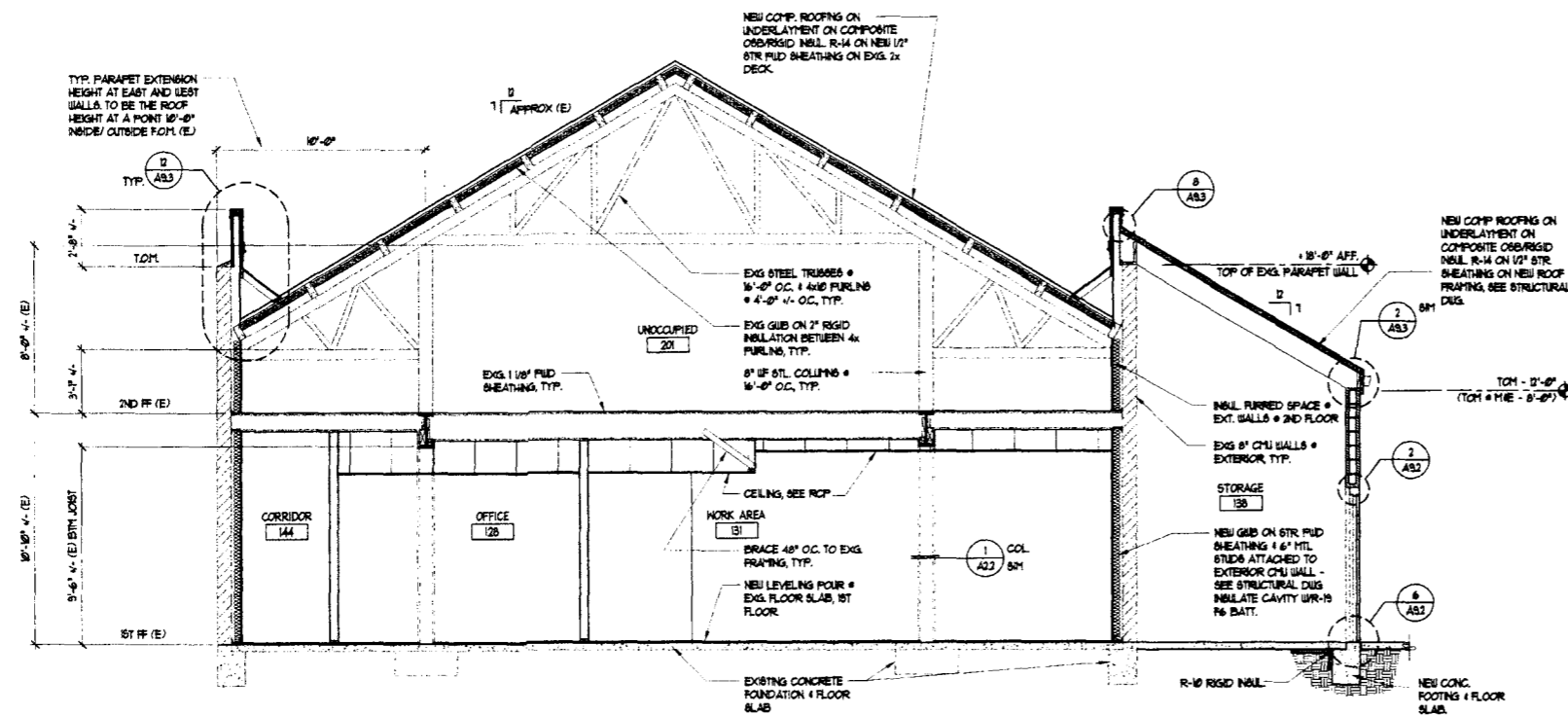
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 24" x 36"
HALF SIZE
REDUCTIONS = 1/2"

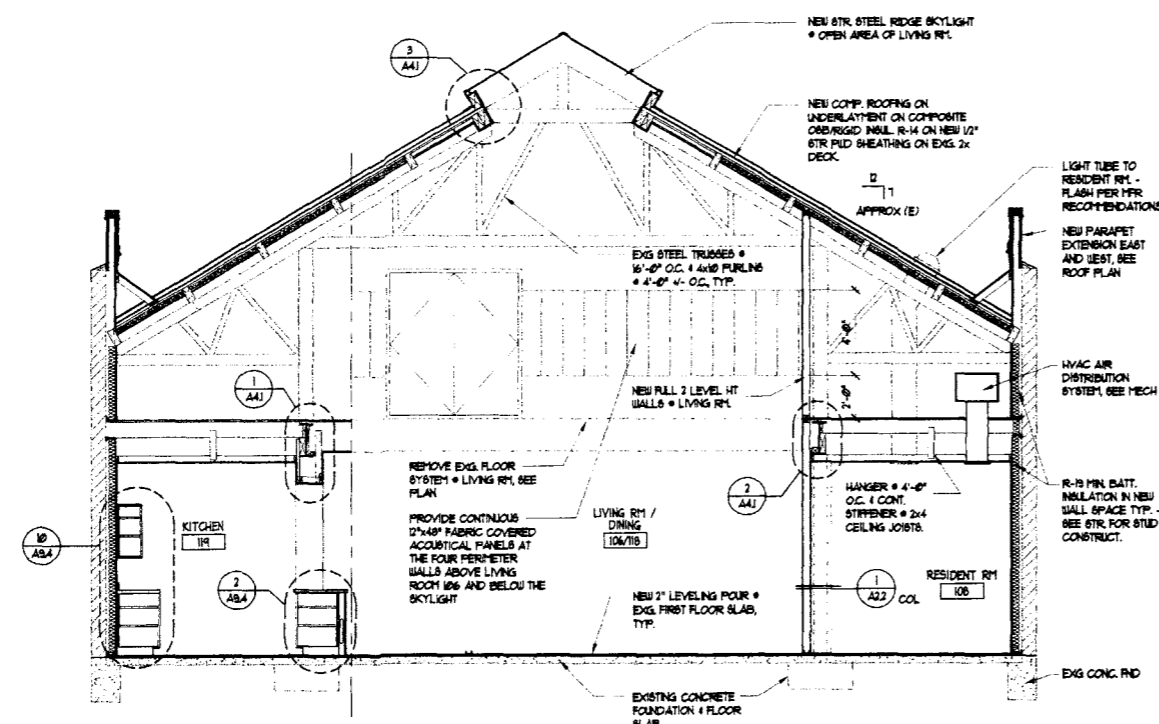
DESIGNED BY
KMB DESIGN TEAM
DATE 11-01-04

SHEET NO.

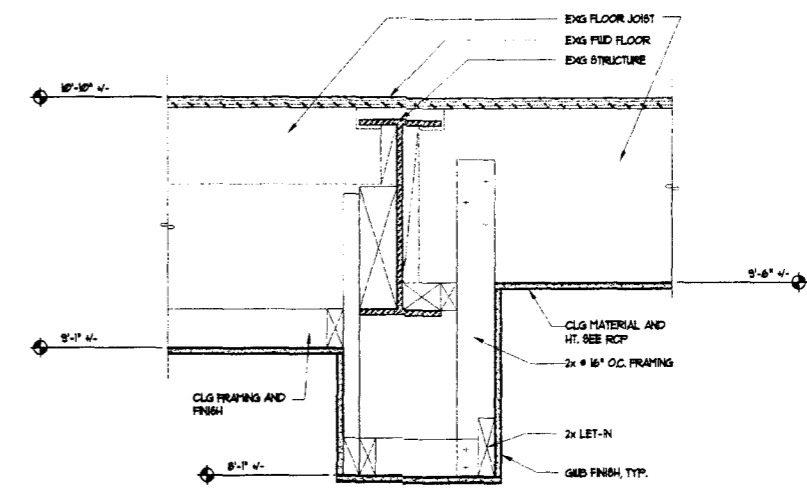
A3.1



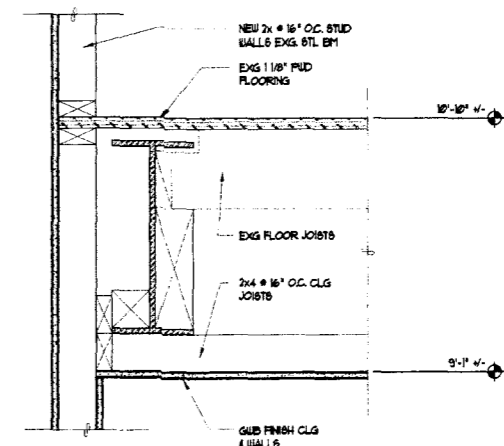
AA BUILDING SECTION
SCALE: 1/4"=1'-0"



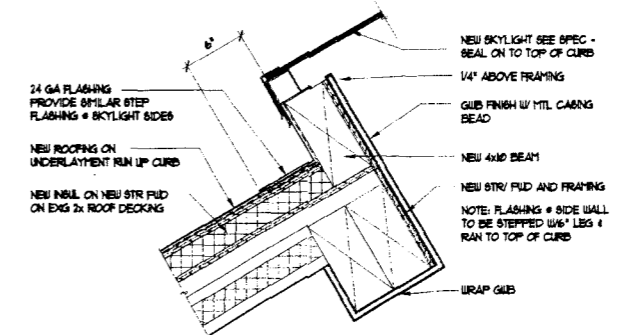
BB BUILDING SECTION
SCALE: 1/4"=1'-0"



1 DETAIL KITCHEN SOFFIT
SCALE: 1/2"=1'-0"



2 DETAIL RESIDENT RM
SCALE: 1/2"=1'-0"



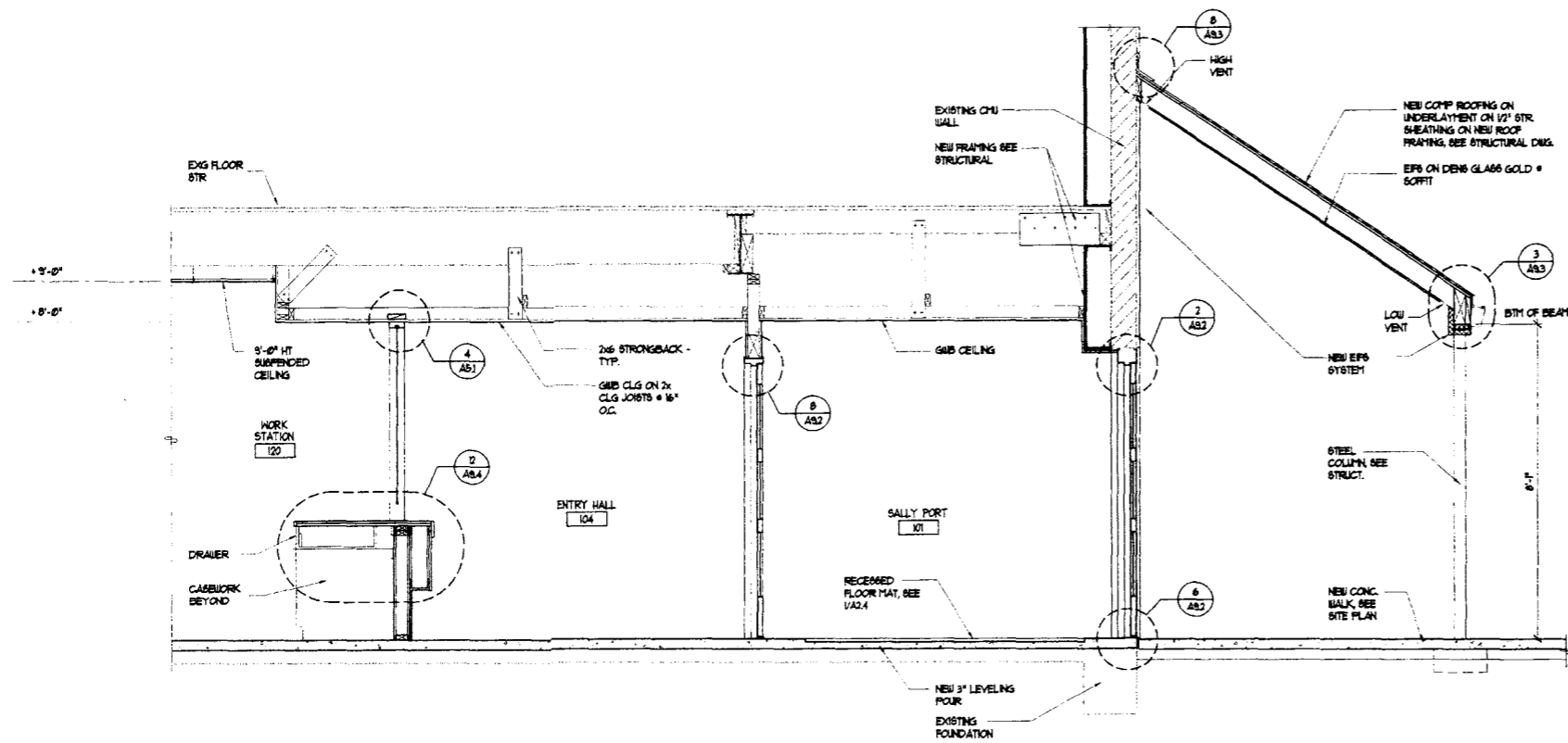
3 DETAIL SKYLIGHT CURB
SCALE: 1/2"=1'-0"

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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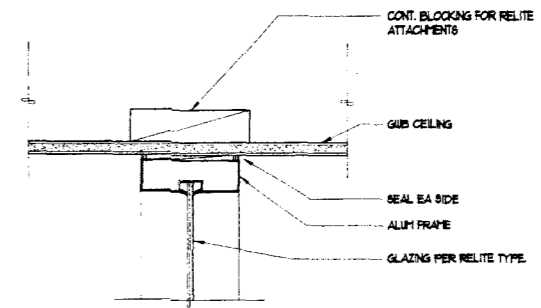
KJMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 18x7

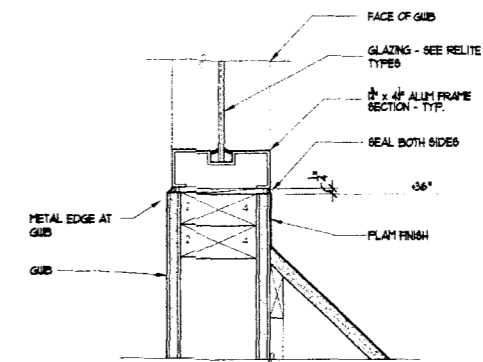
DRAWN BY
 KJMB DESIGN TEAM
 DATE
 11-21-04
 SHEET NO.
A4.1



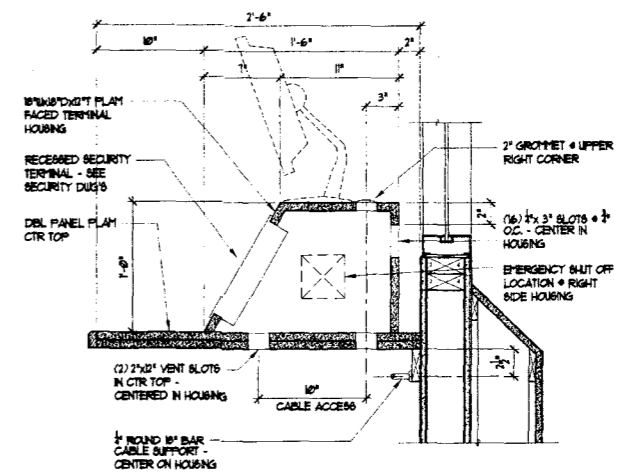
5 WALL SECTION @ ENTRY
Scale: 1/2" = 1'-0"



4 HD RELITE @ WORKSTATION
Scale: 3/4" = 1'-0"



8 SILL @ WORKSTATION
Scale: 3/4" = 1'-0"



12 TERMINAL HOUSING
Scale: 1 1/2" = 1'-0"

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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KING COUNTY
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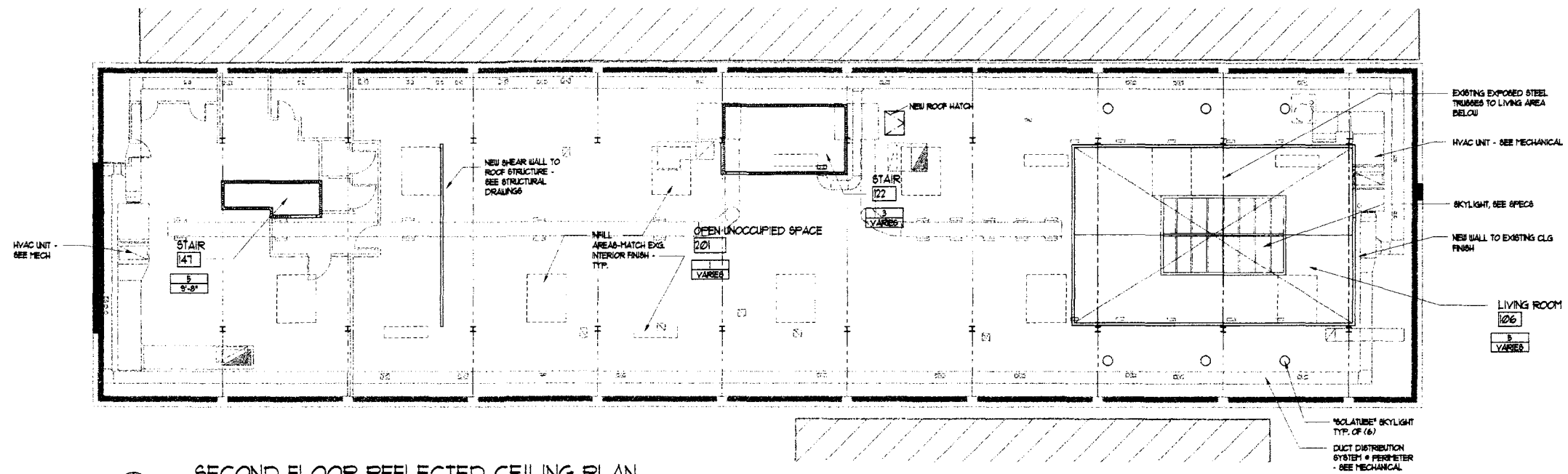
7794 REGISTERED ARCHITECT
MARK A. BRADSHAW
STATE OF WASHINGTON

KIMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

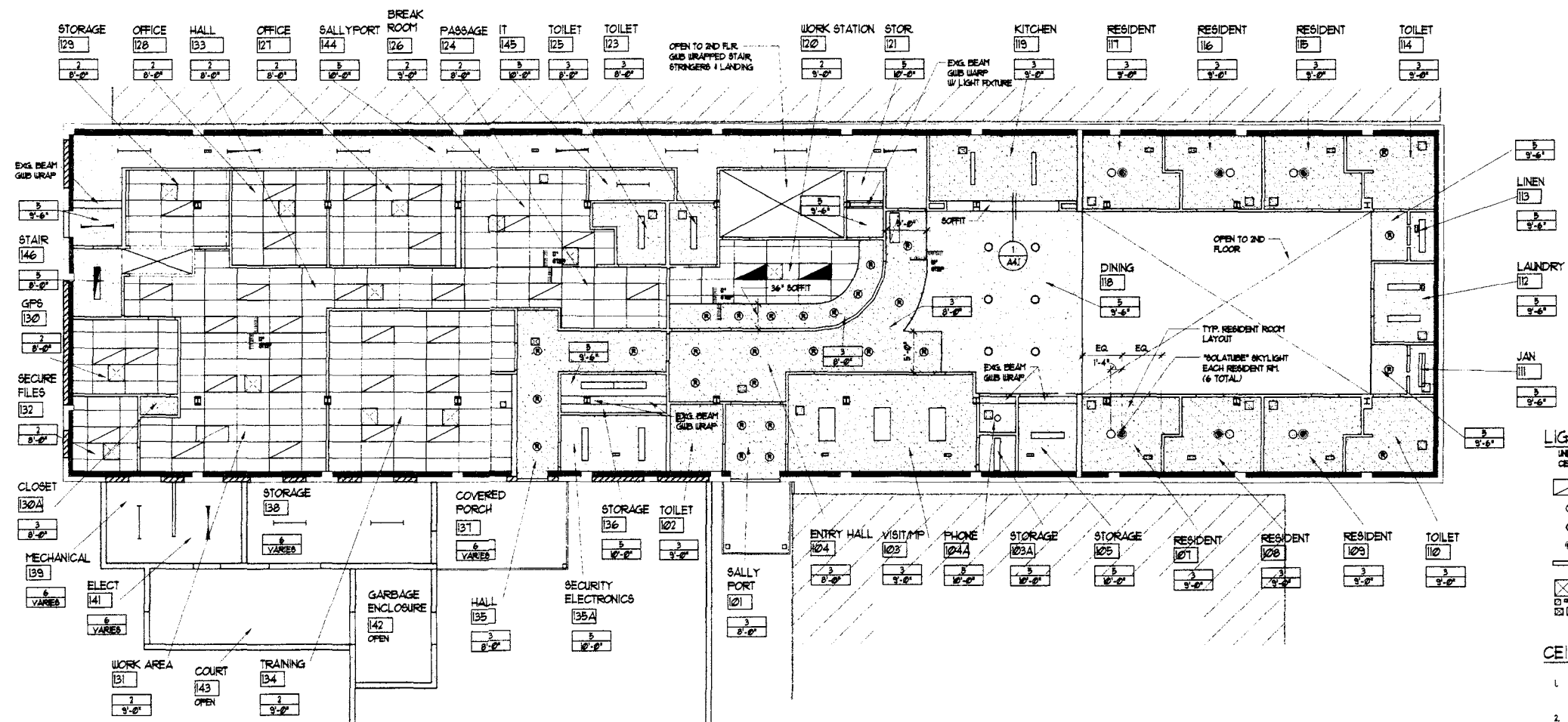
ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 187

DRAWN BY
KJ'S DESIGN TEAM
DATE
11-01-04

SHEET NO.
A5.1



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



FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

NOTE:
SEE S/404 FOR TYPICAL REQUIRED
SUSPENDED CEILING BRACING DETAIL

- LIGHT FIXTURE LEGEND**
UNLESS OTHERWISE NOTED OR SHOWN, LIGHT FIXTURES ARE CENTERED BOTH DIRECTIONS IN EACH AREA OR ROOM.
- ☐ 2'x4' FLUORESCENT LAY-IN LIGHT, SEE ELECTRICAL
 - ⊙ RECESSED CAN LIGHT, SEE ELECTRICAL
 - SURFACE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
 - ⊙ SKYLIGHT SKYLIGHT / LIGHT
 - ⊙ SURFACE MOUNTED FLUORESCENT LIGHT, SEE ELECTRICAL
 - ⊙ VARIOUS MECHANICAL REGISTERS, SEE MECHANICAL

- CEILING TYPES**
- | CEILING TYPE | CEILING HEIGHT |
|--|----------------|
| 1. EXG. 8" GIB ON BOTTOM OF STR. PATCH ALL DAMAGE FROM DEMO AND NEW CONSTRUCTION | X |
| 2. NEW 8" GIB CEILING BELOW EXG. CEILING SEE S/404 | XX |
| 3. NEW 8" GIB ON NEW CEILING PRINTING | |
| 4. NOT USED | |
| 5. NEW 8" GIB FINISH OVER EXG. CEILING FINISH | |
| 6. OPEN STRUCTURE TO DECKING | |

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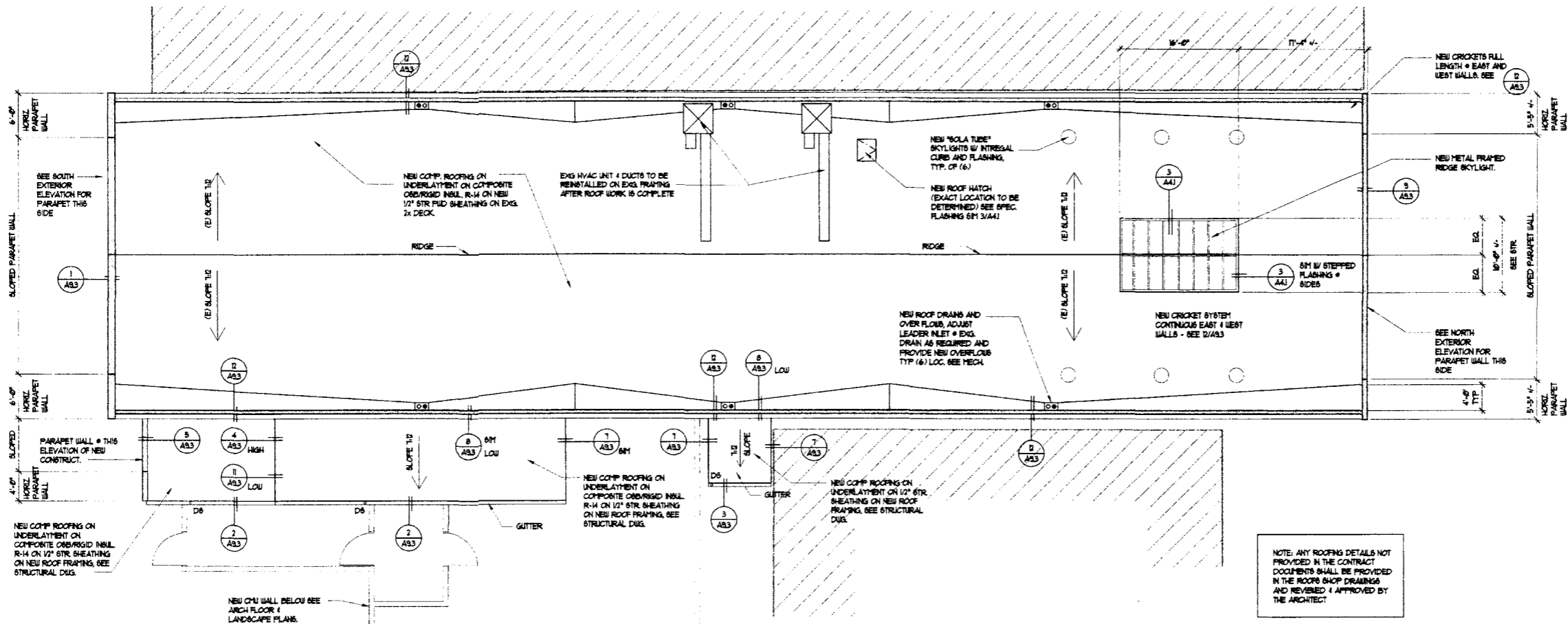
ORIGINAL SHEET
SIZE = 22" x 34"
HALF SIZE
REDUCTIONS = 1x7

DESIGNED BY
KTB DESIGN TEAM

DATE
11-01-24

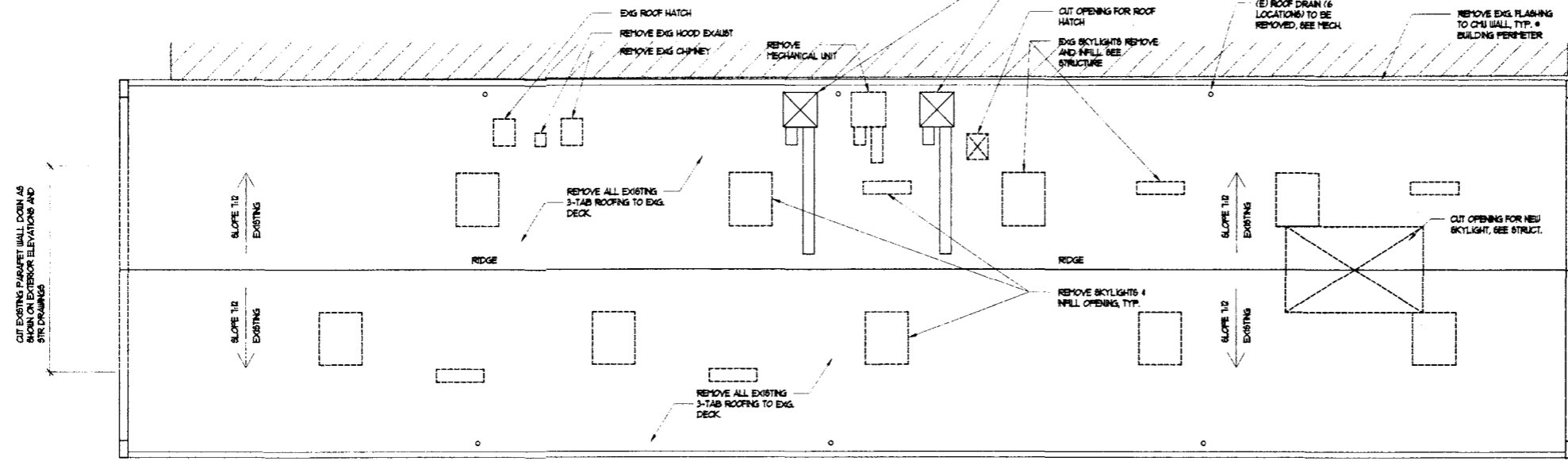
SHEET NO.
A6.1

RE-BID



NEW ROOF PLAN

SCALE: 1/8"=1'-0"
 NOTE: CHASE DOWNSPOUTS TO TIGHT LINE TO STORM WATER.



DEMOLITION ROOF PLAN

SCALE: 1/8"=1'-0"
 NOTE: INFORM ARCHITECT OF ANY DAMAGE THAT MAY EXIST IN EXISTING ROOF SHEATHING.

NOTE: ANY ROOFING DETAILS NOT PROVIDED IN THE CONTRACT DOCUMENTS SHALL BE PROVIDED IN THE ROOFING SHOP DRAWINGS AND REVISIONS + APPROVED BY THE ARCHITECT.

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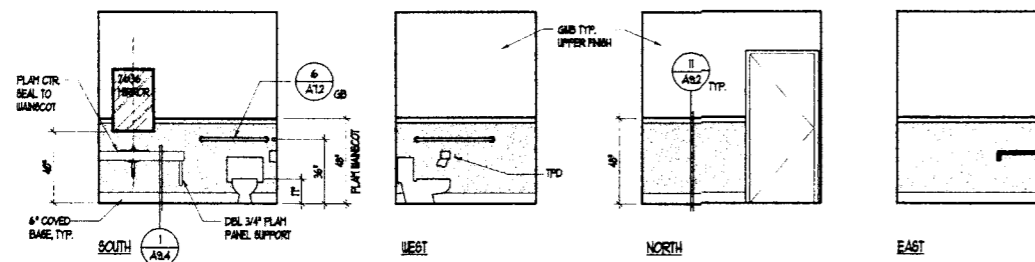
KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET SIZE = 22 x 34
 HALF SIZE REDUCTIONS = 11x7

DRAWN BY: KMB DESIGN TEAM
 DATE: 11-01-04

SHEET NO. **A6.2**

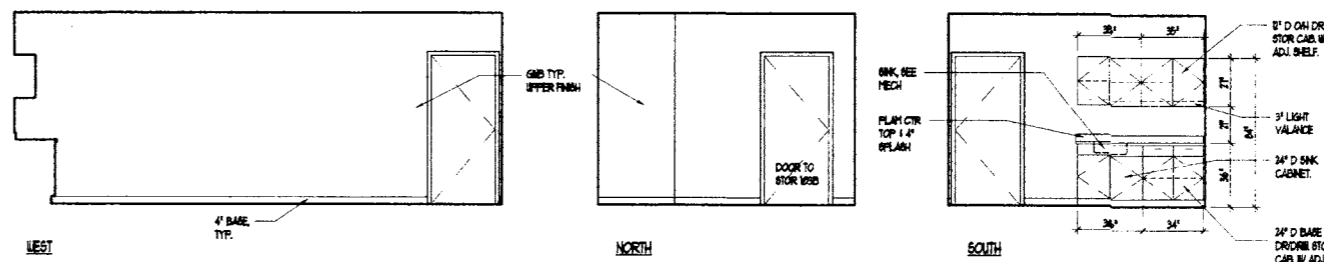
RE-BID



1 RM 102 - TOILET

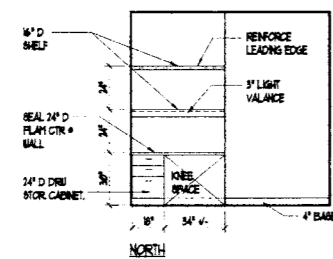
Scale: 1/4" = 1'-0"

SEE DETAIL 6/A12 FOR ADA FIXTURE & ACCESSORY MOUNTING



2 RM 103 - VISITING/MP

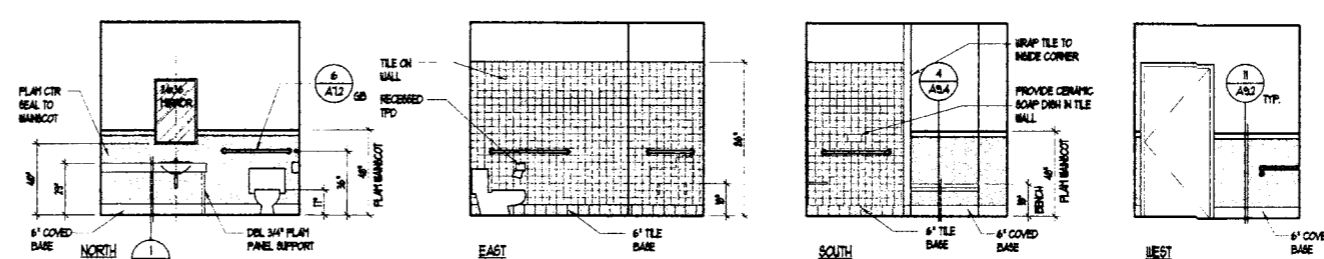
Scale: 1/4" = 1'-0"



3 TYP. RESIDENT ROOM 107, 108 & 109

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

(115, 116, & 117 OPPOSITE)

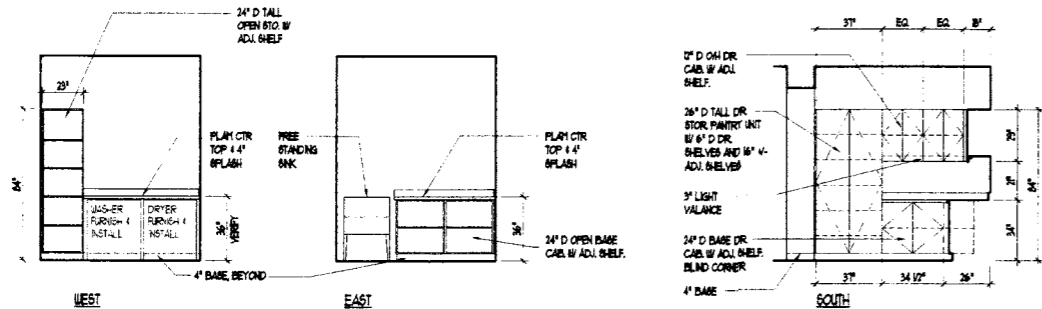


4 RM 110 - TOILET

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

(RM 114 - TOILET OPPOSITE)

SEE DETAIL 6/A12 FOR ADA FIXTURE & ACCESSORY MOUNTING

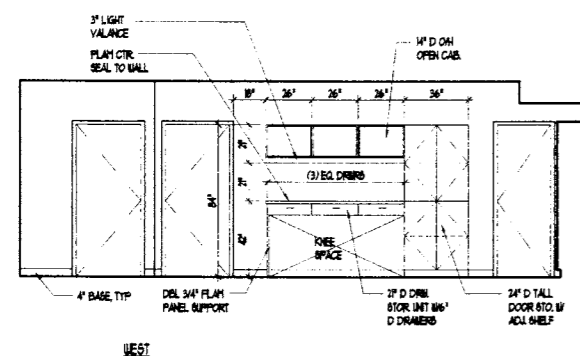
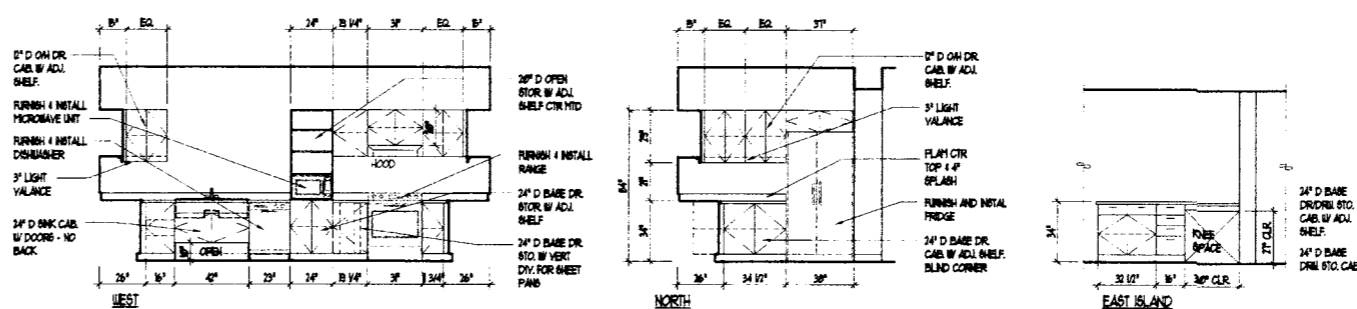


5 RM 112 - LAUNDRY

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

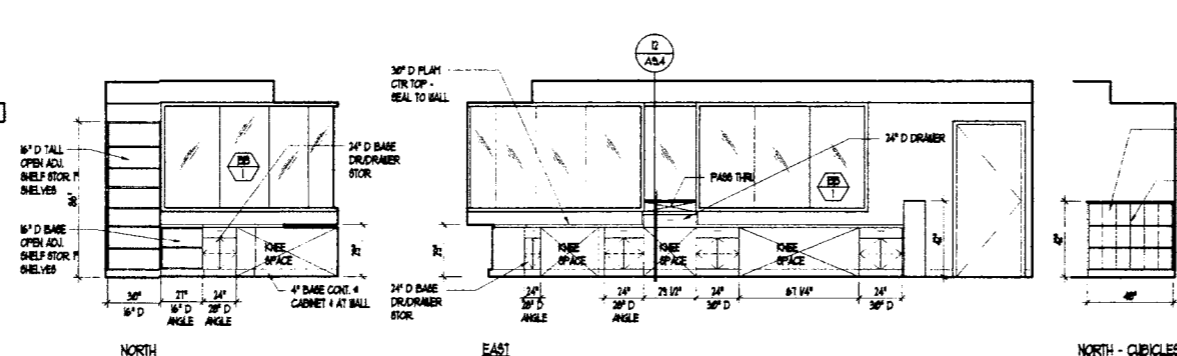
6 RM 119 - KITCHEN

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



7 RM 120 - WORK STATION

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



8 RM 104 - ENTRY HALL

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

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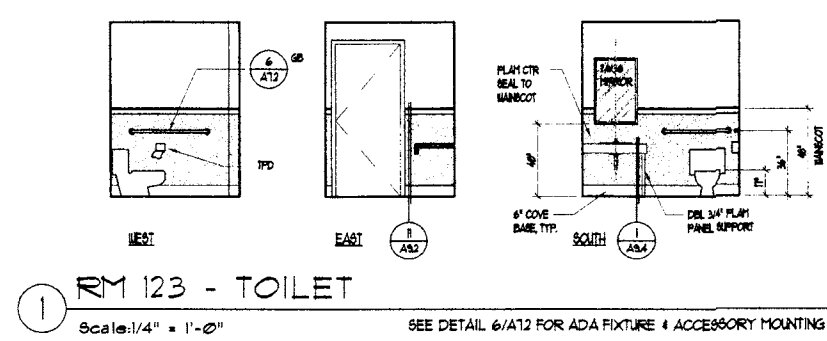
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1/2"

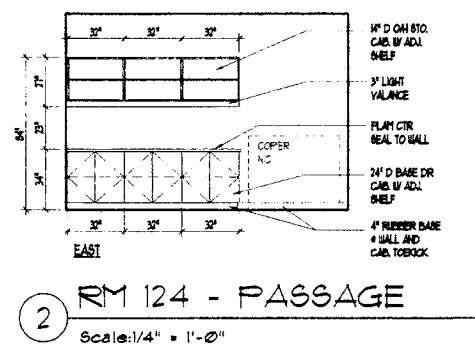
DRAWN BY
KMB DESIGN TEAM
DATE 11-21-24

SHEET NO.

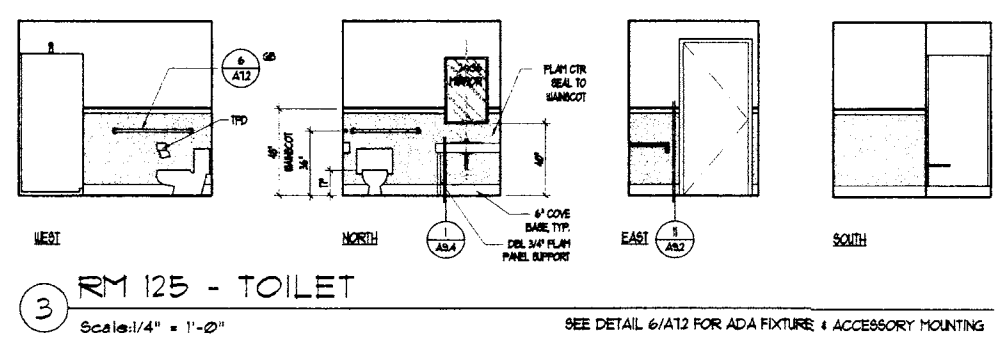
A7.1



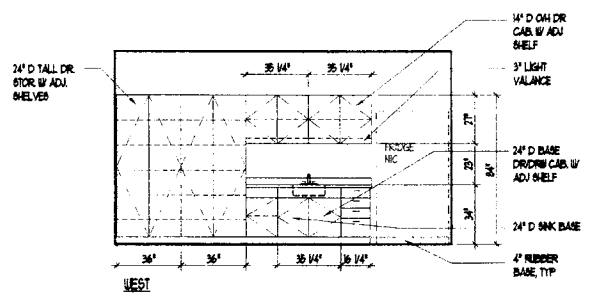
1 RM 123 - TOILET
Scale: 1/4" = 1'-0"
SEE DETAIL 6/A12 FOR ADA FIXTURE & ACCESSORY MOUNTING



2 RM 124 - PASSAGE
Scale: 1/4" = 1'-0"

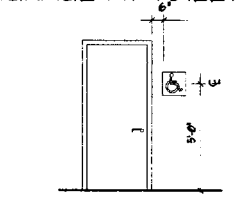


3 RM 125 - TOILET
Scale: 1/4" = 1'-0"
SEE DETAIL 6/A12 FOR ADA FIXTURE & ACCESSORY MOUNTING

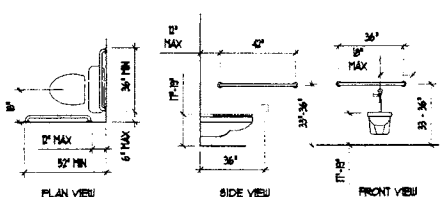


4 RM 126 - BREAK ROOM
Scale: 1/4" = 1'-0"

SIGNAGE AT TOILET ROOM TOILET / GRAB BARS

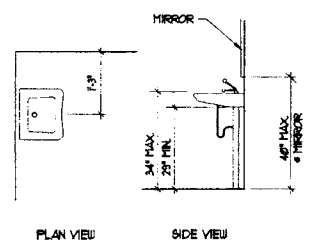


- 1) NO OBSTRUCTION IN FRONT OF SIGN.
- 2) LETTERS AND SYMBOLS SHALL HAVE HIGH CONTRAST WITH BACKGROUND. INTERIOR SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH.
- 3) ALL SIGNS DEPICTING THE INTERNATIONAL SYMBOL OF ACCESS SHALL BE WHITE ON BLUE BACKGROUND.
- 4) LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.
- 5) LETTERS AND NUMBERS ON SIGN SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE.
- 6) LETTERS AND NUMBERS SHALL BE RAISED NOT LESS THAN 1/32" UPPER CASE, 6/64" TYPEFACE AND ACCOMPANIED WITH GRADE 2 BRILLE RAISED CHARACTERS SHALL NOT BE LESS THAN 5/8" NOR MORE THAN 2" IN HEIGHT.



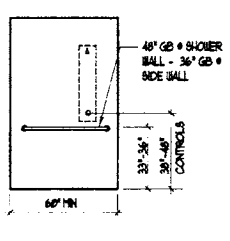
- 1) SEE FLOOR PLANS FOR EXACT TOILET LAYOUTS. DIMENSIONS SHOWN HERE ARE FOR REFERENCE ONLY.
- 2) DOOR HARDWARE SHALL BE LEVER STYLE OR OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
- 3) GRAB BARS SHALL BE 1-1/2" DIAMETER AND 33" TO 36" AFF, AND NOT ROTATE WITHIN THEIR FITTING. SHALL SUPPORT A MIN. 300 LB. AT EACH MOUNTING DEVICE.

LAVATORY



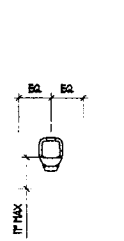
- 1) LAV. HARDWARE SHALL BE LEVER STYLE OR OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
- 2) DISPENSERS SHALL BE NO HIGHER THAN 40" TO THE OPERATING CONTROLS WITH A FRONT REACH AND 34" WITH SIDE REACH.
- 3) EXPOSED HOT WATER SUPPLY AND WASTE LINE SHALL BE INSULATED AT ACCESSIBLE LVL.

SHOWER



- 1) SEE FLOOR PLANS FOR EXACT SHOWER LAYOUTS. DIMENSIONS SHOWN HERE ARE FOR REFERENCE ONLY.
- 2) ROLL-IN SHOWER STALLS SHALL BE NOT LESS THAN 36" IN DEPTH BY 60" IN LENGTH.
- 3) FOR ROLL-IN SHOWER STALLS, A CLEAR FLOOR SPACE SHALL BE NOT LESS THAN 60" IN LENGTH, PARALLEL TO THE OPEN EDGE OF SHOWER STALL AND NOT LESS THAN 36" IN WIDTH, PERPENDICULAR TO THE OPEN EDGE OF SHOWER STALL. SHALL BE PROVIDED.

URINAL



- 1) SEE FLOOR PLANS FOR EXACT URINAL LAYOUTS. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

6 ADA FIXTURE & ACCESSORY MOUNTING LOCATIONS
Scale: NOT TO SCALE

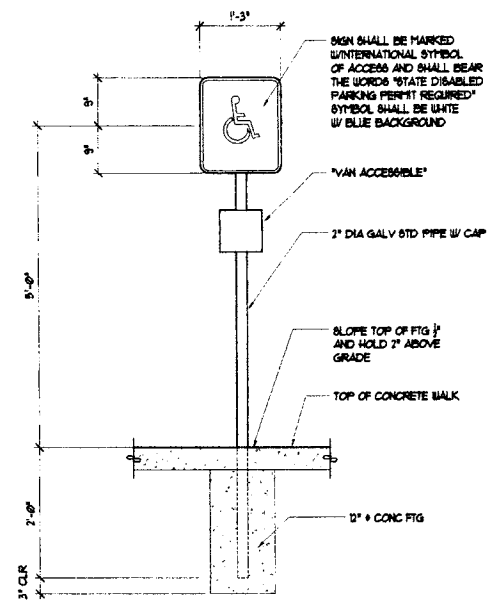
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID



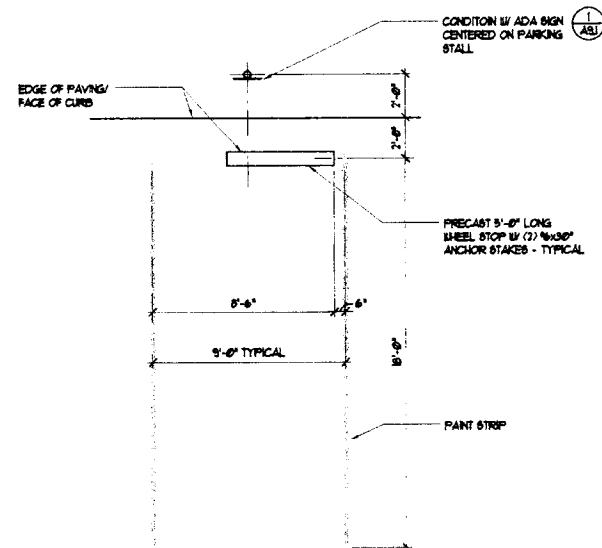
REVISION

KIMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

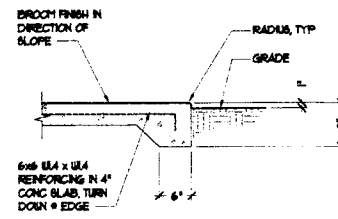
ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 1:2
DRAWN BY:
KIMB DESIGN TEAM
DATE: 11-01-04
SHEET NO.
A7.2



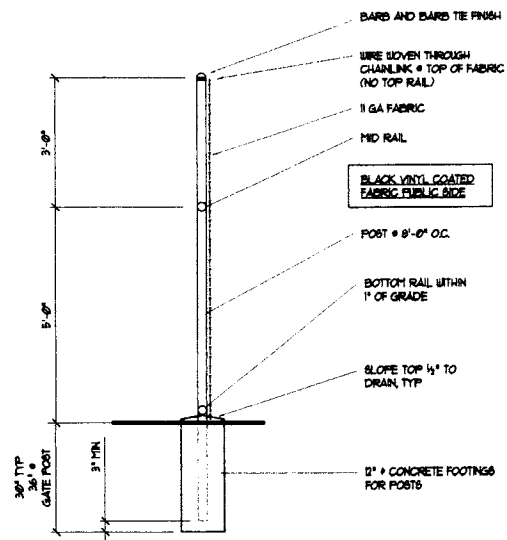
① ADA PARKING SIGN
SCALE: 3/4"=1'-0"



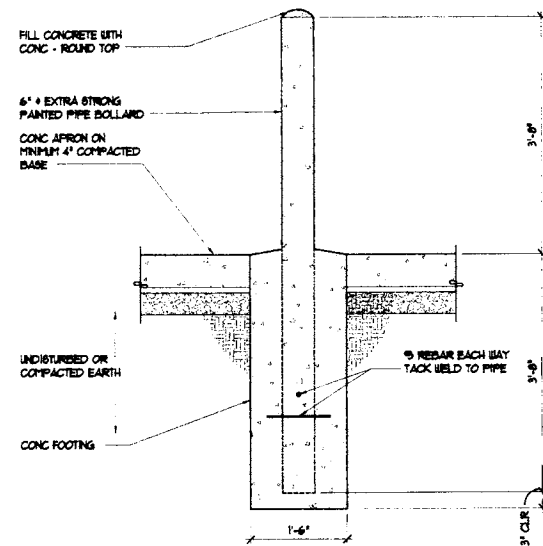
② TYPICAL PARKING STALL
SCALE: 1/4"=1'-0"



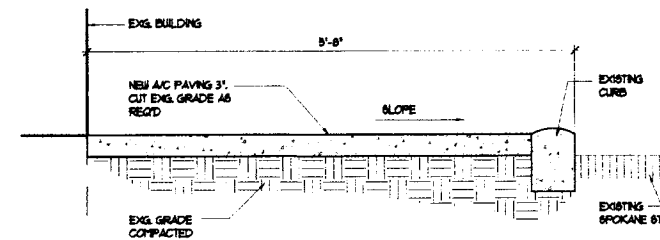
③ TYP CONC PORCH / SIDEWALK / PAD EDGE
SCALE: 3/4"=1'-0"



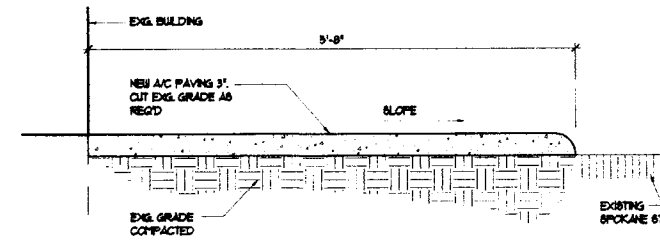
④ TYPICAL FENCE SECTION
SCALE: 1/2"=1'-0"



⑤ TYPICAL BOLLARD DETAIL
SCALE: 3/4"=1'-0"



⑥ NEW SIDEWALK W/ EXG. CURB
Scale: 1"=1'-0" SOUTH SIDE SPOKANE ST.



⑦ NEW SIDEWALK W/ EXG. CURB
Scale: 1"=1'-0" SOUTH SIDE SPOKANE ST.

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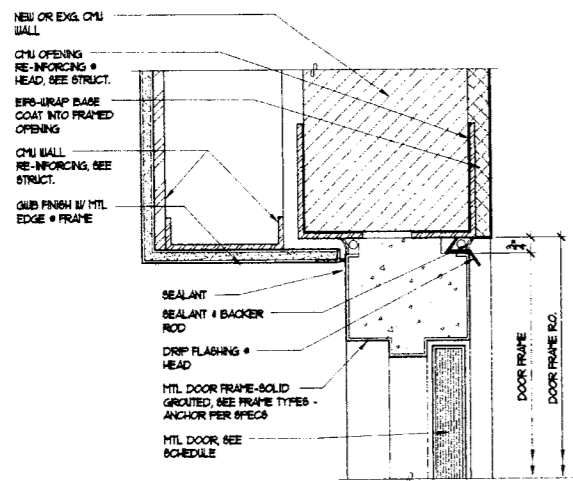
7700
REGISTERED ARCHITECT
MARK A. REMONDINO
STATE OF WASHINGTON

JUSTICE FACILITES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 18x7

DRAWN BY
KMB DESIGN TEAM
DATE
11-01-04

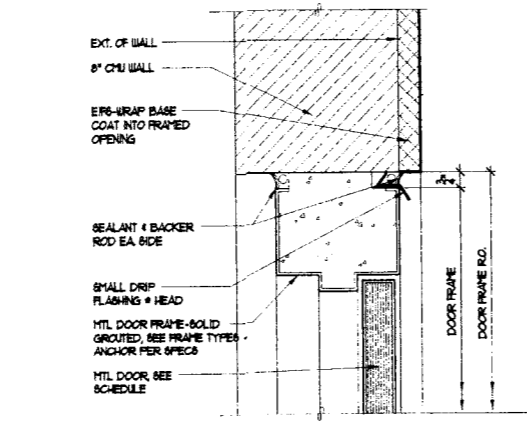
SHEET NO.
A9.1



1 EXT. DR. HEAD - EXG. CMU WALL

Scale: 3" = 1'-0"

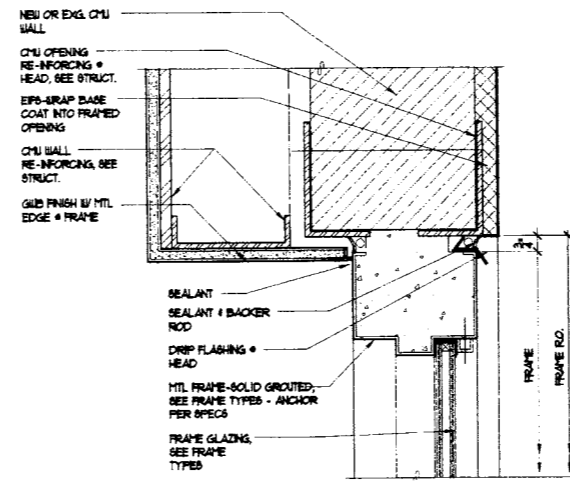
(JAMB SH)



2 EXT. DR. HEAD - NEW CMU WALL

Scale: 3" = 1'-0"

(JAMB SH)



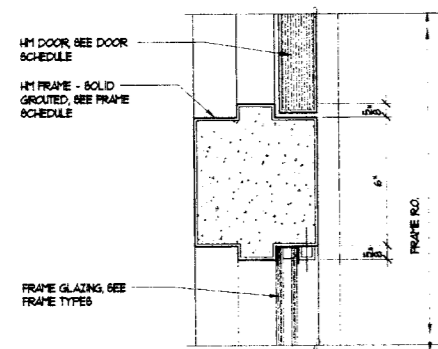
3 EXT. DR. HEAD @ SIDE LITE - EXG. CMU WALL

Scale: 3" = 1'-0"

(JAMB SH)

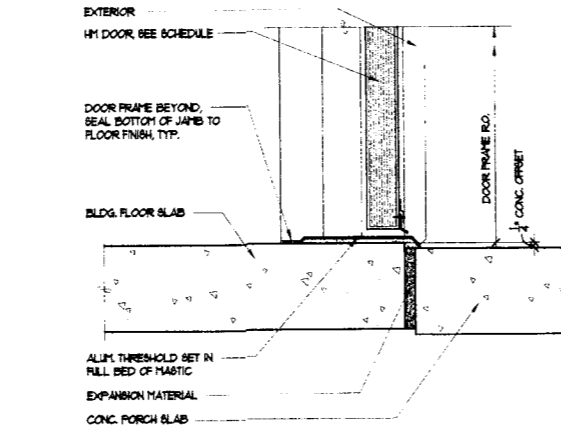
4 NOT USED

Scale: 3" = 1'-0"



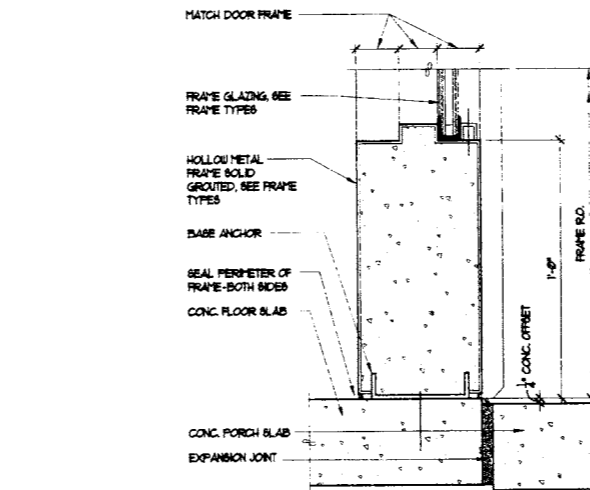
5 INTERMEDIATE MEMBER @ DOOR

Scale: 3" = 1'-0"



6 EXT. DOOR THRESHOLD

Scale: 3" = 1'-0"



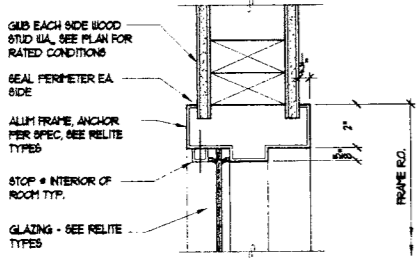
7 HM BASE

Scale: 3" = 1'-0"

8 TYPICAL INTERIOR DOOR JAMB

Scale: 3" = 1'-0"

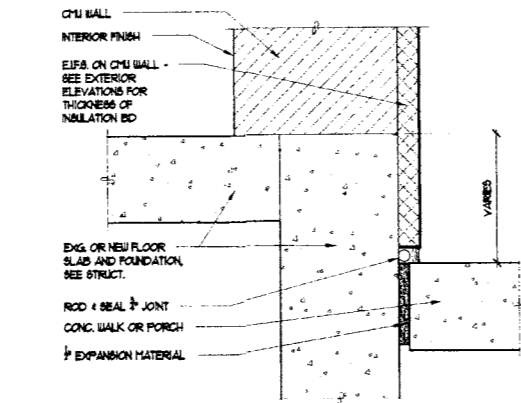
(HEAD SH)



9 TYPICAL INTERIOR RELITE JAMB

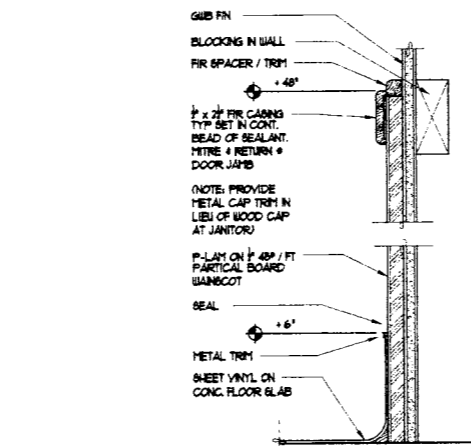
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(HEAD SH)



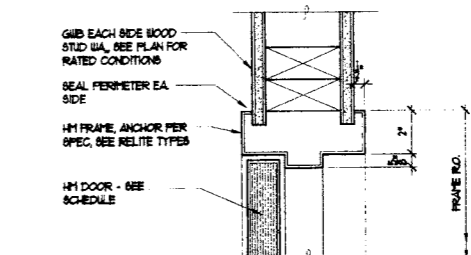
10 E.F.S. TERMINATION @ CONC. SLAB

Scale: 3" = 1'-0"



11 TOILET ROOM WAINSCOT

Scale: 3" = 1'-0"



12 RECESS MOUNTED FEC IN HR. WALL

Scale: 3" = 1'-0"

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID



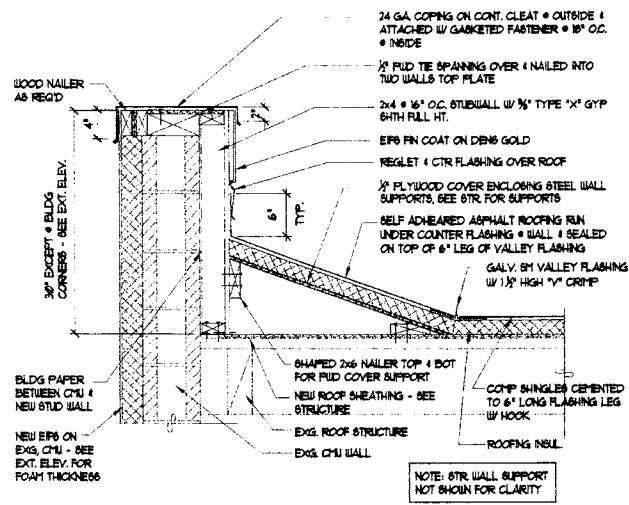
REVISIONS

JUSTICE FACILITES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

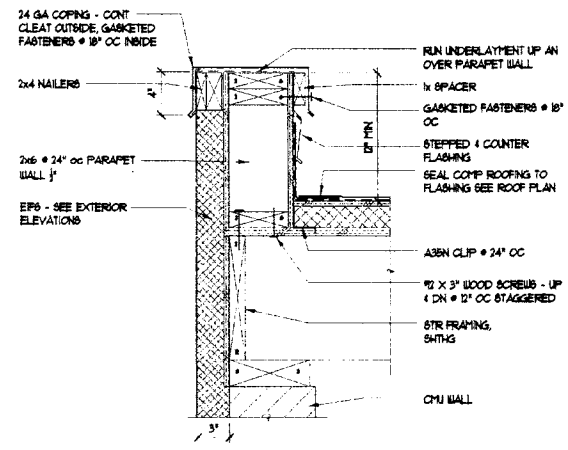
ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1/2"

DRAWN BY:
KTB DESIGN TEAM
DATE: 11-21-04

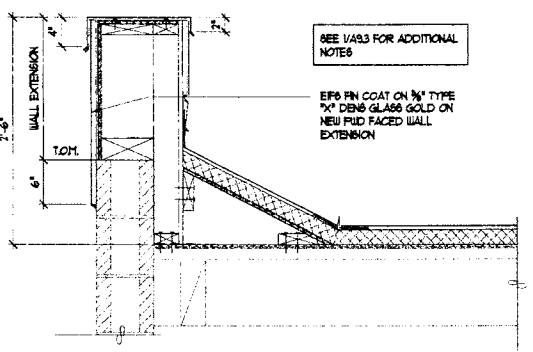
SHEET NO.
A9.2



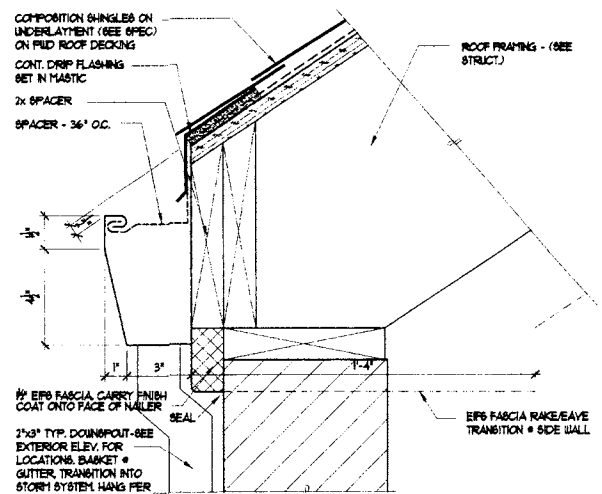
1 PARAPET WALL @ EXG. SOUTH WALL
Scale: 1" = 1'-0"



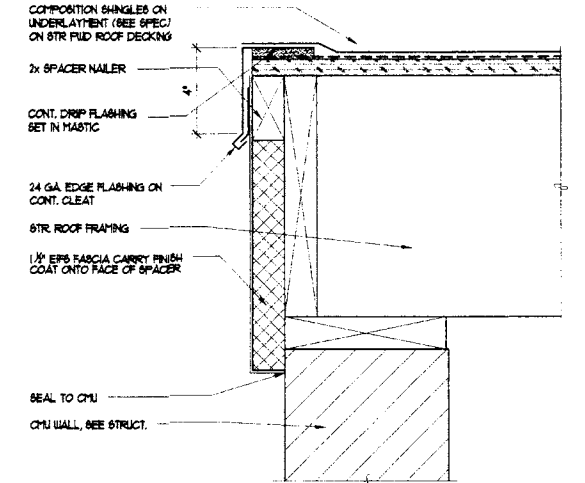
5 PARAPET WALL @ ADDITION
Scale: 1 1/2" = 1'-0"



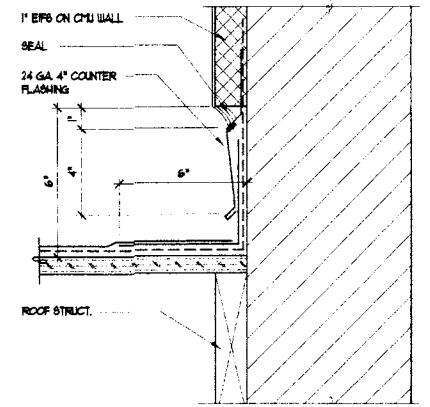
9 PARAPET WALL @ EXG NORTH WALL
Scale: 1" = 1'-0"



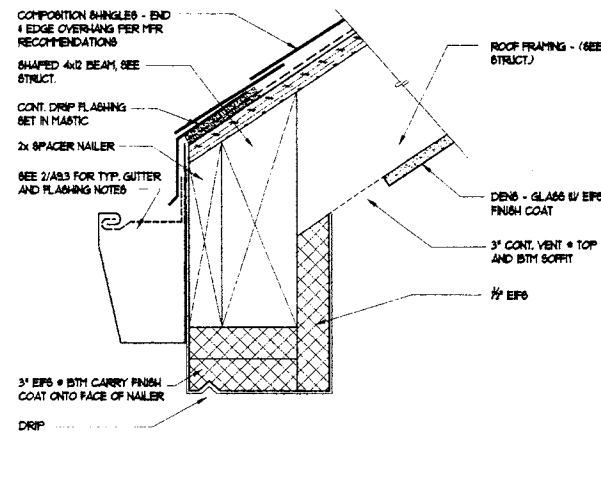
2 TYP. EAVE CONDITION @ ADDITION
Scale: 3" = 1'-0"



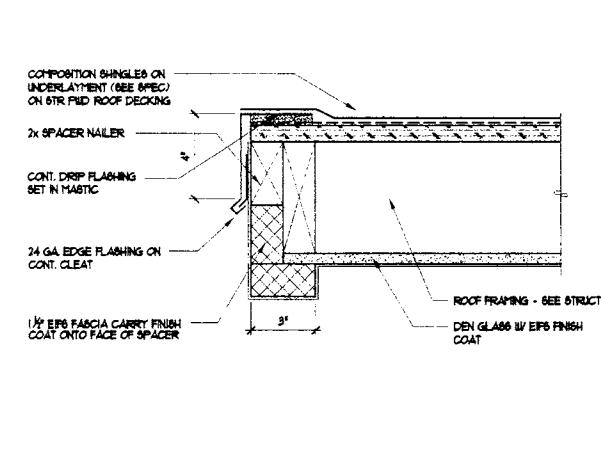
6 RAKE @ ADDITION
Scale: 3" = 1'-0"



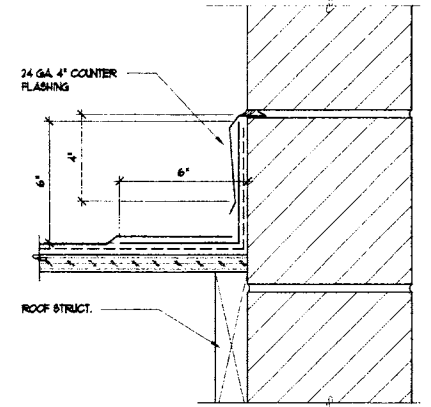
10 ROOF TO SIDE WALL
Scale: 3" = 1'-0"



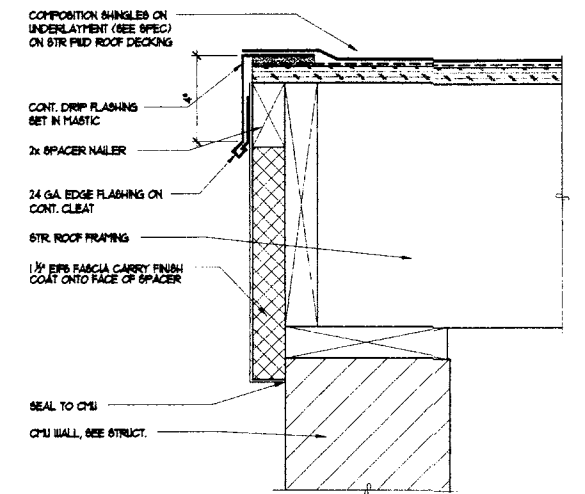
3 TYP. EAVE CONDITION @ ADDITION
Scale: 3" = 1'-0"



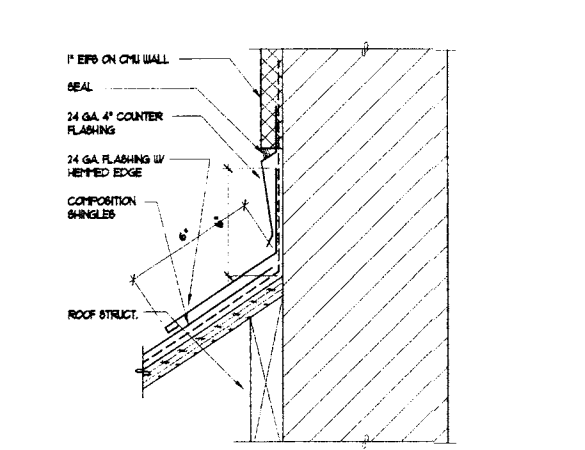
7 RAKE @ ENTRY PORCH
Scale: 3" = 1'-0"



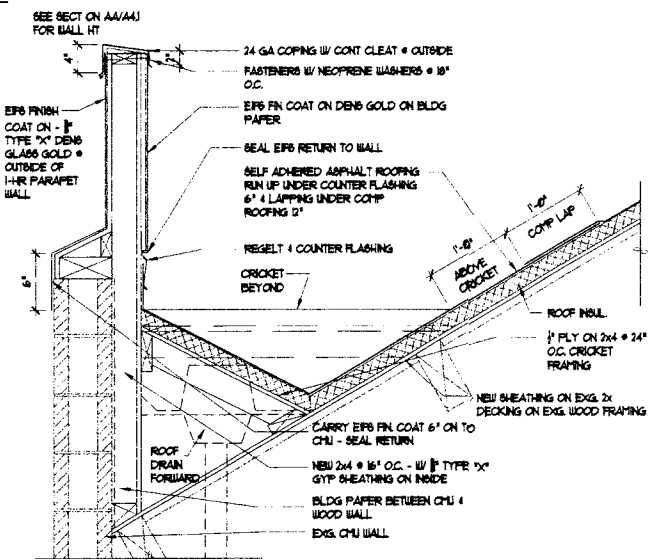
11 ROOF TO SIDE WALL (NO EFIS)
Scale: 3" = 1'-0"



4 RAKE @ ADDITION
Scale: 3" = 1'-0"



8 TOP OF ROOF @ WALL
Scale: 3" = 1'-0"



12 PARAPET EXTENSION
Scale: 1" = 1'-0"

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SEATTLE, WASHINGTON



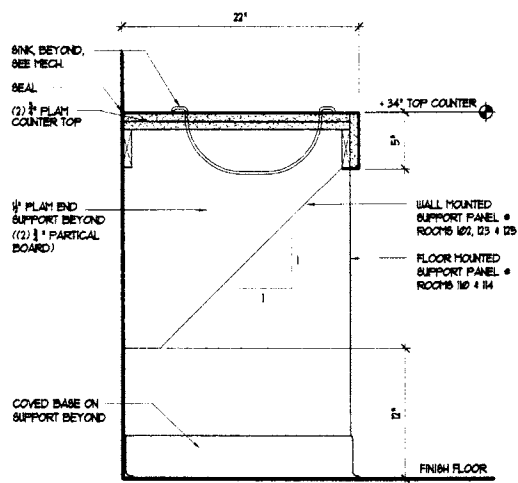
NUMBER

JUSTICE FACILITES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

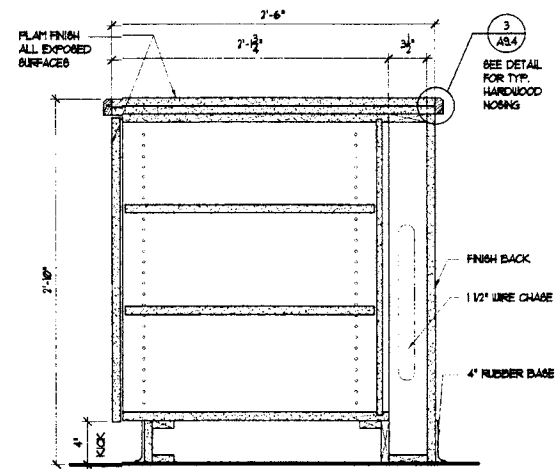
ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 187

DRAWN BY
KTB DESIGN TEAM
DATE 11-01-04

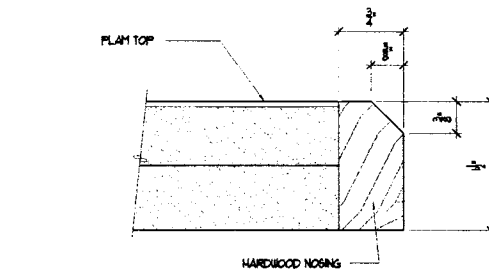
A9.3



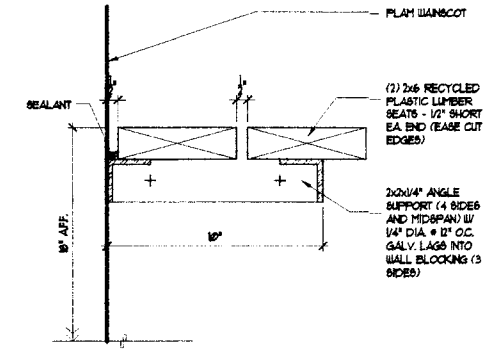
1 VANITY
Scale: 1 1/2" = 1'-0"



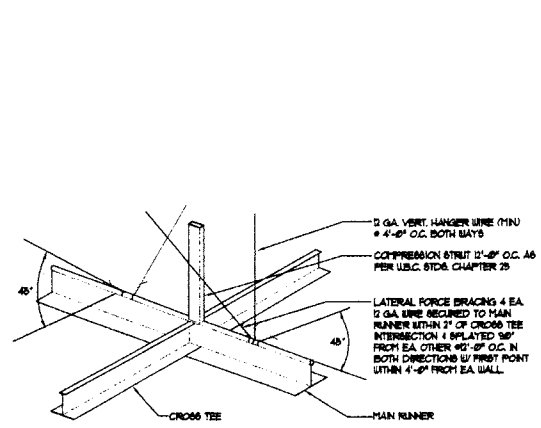
2 ISLAND CABINET SECT.
Scale: 1 1/2" = 1'-0"



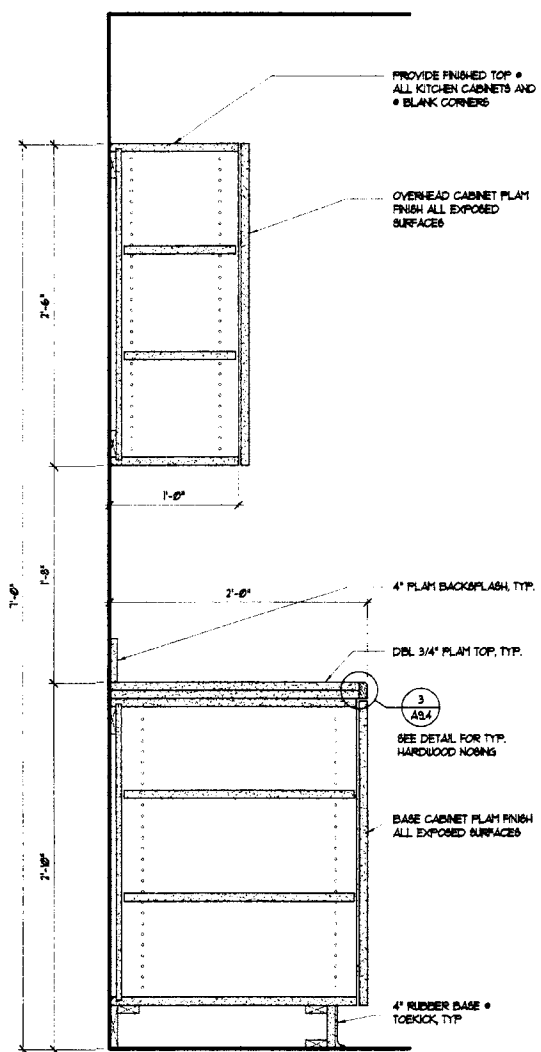
3 TYP. HARDWOOD NOSING
Scale: FULL SCALE



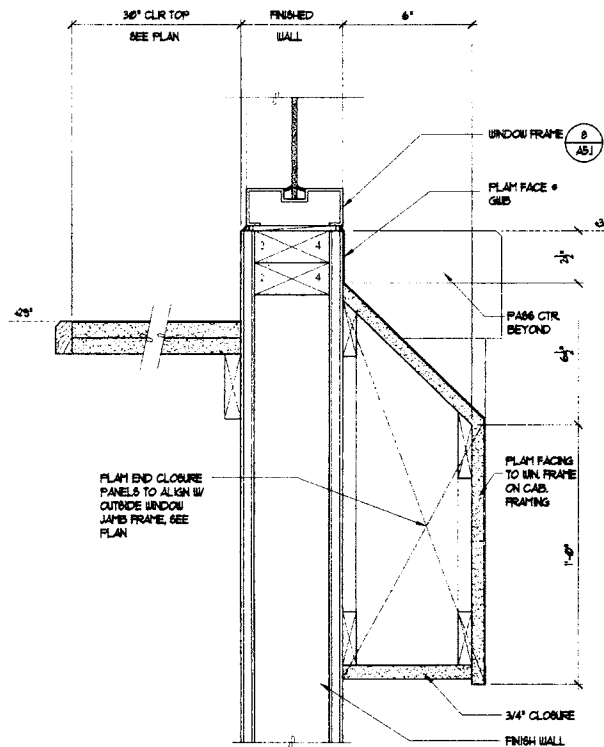
4 DRESSING SEAT
Scale: 3" = 1'-0"



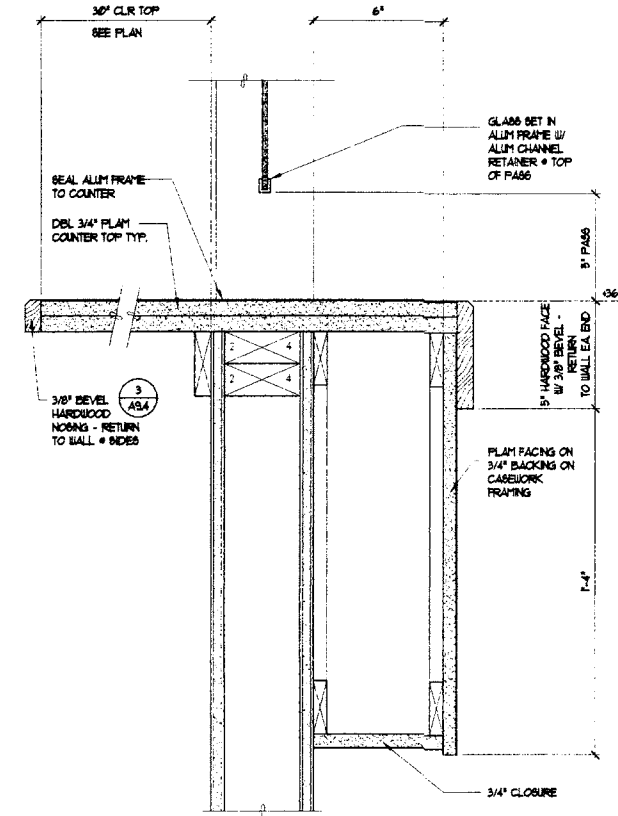
9 SUSPENDED CEILING BRACING DETAIL
Scale: NOT TO SCALE



10 TYPICAL KITCHEN CABINET
Scale: 1 1/2" = 1'-0"



11 SECTION @ WORKSTATION WALL
Scale: 3" = 1'-0"



12 SECTION @ PASS THROUGH
Scale: 3" = 1'-0"

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
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779 REGISTERED ARCHITECT
Mark A. Beardmore
MARK A. BEARDMORE
STATE OF WASHINGTON

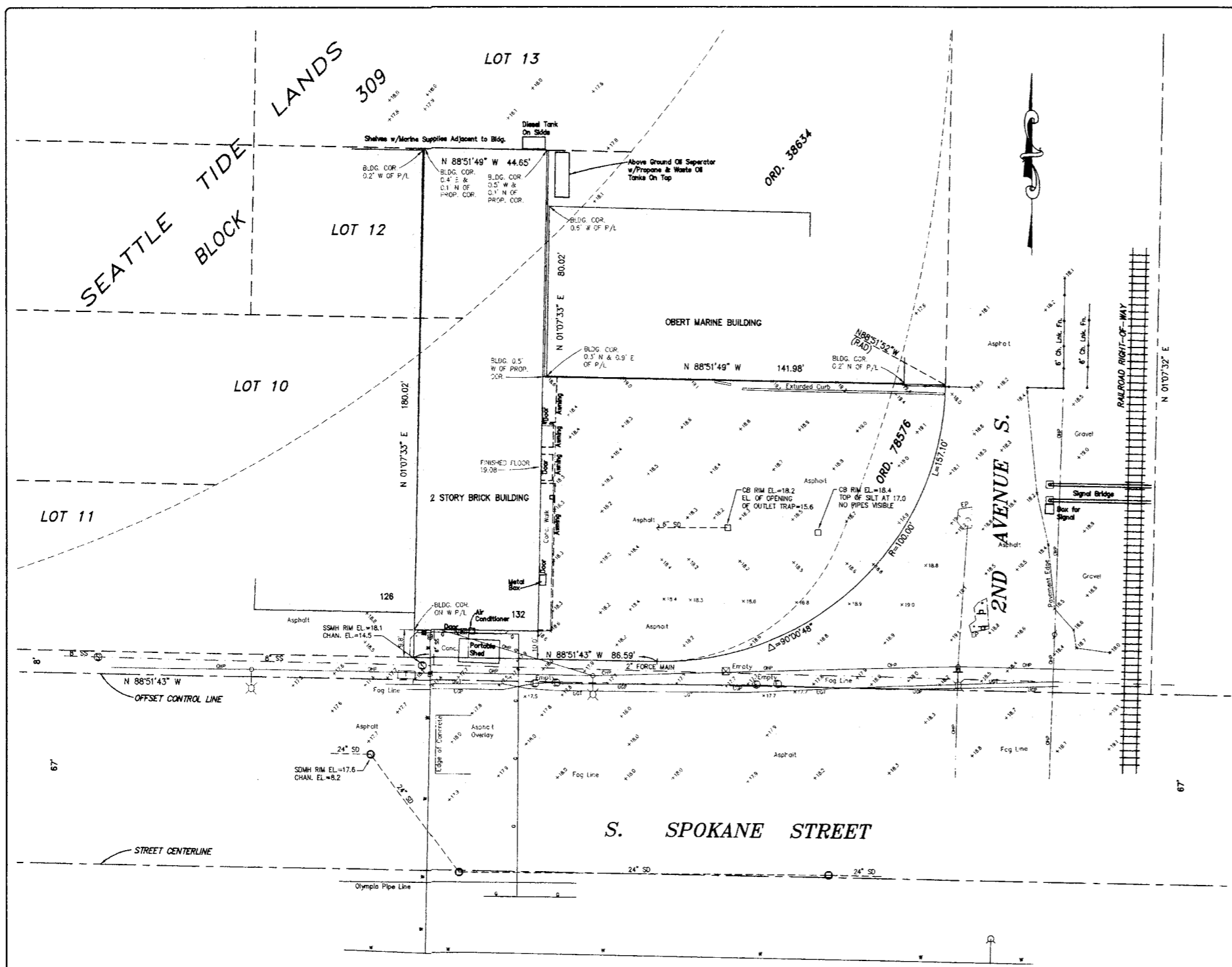
REVISIONS

KMB JUSTICE FACILITES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 24 x 36
HALF SIZE
REDUCTIONS = 1x1/2

DRAWN BY:
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DATE: 11-01-04

SHEET NO.
A9.4



LEGAL DESCRIPTION

(COPIED FROM STATUTORY WARRANTY DEED RECORDED UNDER RECORDING NO. 20010221000609)

PARCEL A

THE EAST 45 FEET OF THE WEST 105 FEET OF LOT 12 AND THE EAST 45 FEET OF THE WEST 105 FEET OF LOT 10 LYING EAST OF LOT 9 PRODUCED SOUTH IN BLOCK 309 OF SEATTLE TIDE LANDS, ACCORDING TO THE OFFICIAL MAPS ON FILE IN THE OFFICE OF THE COMMISSIONER OF PUBLIC LANDS IN OLYMPIA, WASHINGTON, TOGETHER WITH THAT PORTION OF VACATED STREET LYING BETWEEN EASTERLY AND WESTERLY LINES OF ABOVE DESCRIBED TRACT PRODUCED SOUTHERLY TO NORTH MARGIN OF SPOKANE STREET, ADJOINING OR ABUTTING THEREON, WHICH UPON VACATION ATTACHED TO SAID PREMISES BY OPERATION OF LAW.

PARCEL B

THAT PORTION OF VACATED SPOKANE STREET AND VACATED 2ND AVENUE SOUTH LYING EASTERLY OF LOTS 10 AND 12 IN BLOCK 309 OF SEATTLE TIDE LANDS, ACCORDING TO THE OFFICIAL MAPS ON FILE IN THE OFFICE OF THE COMMISSIONER OF PUBLIC LANDS IN OLYMPIA, WASHINGTON, DESCRIBED AS FOLLOWS:

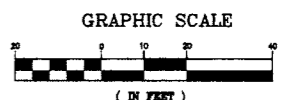
COMMENCING AT A POINT IN THE NORTH LINE OF SPOKANE STREET, AS ESTABLISHED BY ORDINANCE NO. 78576 OF THE CITY OF SEATTLE, WHICH IS INTERSECTED BY A LINE PARALLEL WITH AND 105 FEET EAST OF THE WEST LINE OF SAID LOT 12 PRODUCED SOUTHERLY, THENCE NORTHERLY, ALONG SAID PARALLEL LINE 100 FEET, THENCE EASTERLY, PARALLEL WITH THE NORTHERLY LINE OF SAID LOT 12 AND SAID LINE PRODUCED EASTERLY TO THE WESTERLY MARGIN OF 2ND AVENUE SOUTH, THENCE SOUTHERLY AND WESTERLY, ALONG THE WESTERLY MARGIN OF 2ND AVENUE SOUTH AND THE NORTHERLY MARGIN OF SPOKANE STREET, AS ESTABLISHED BY ORDINANCE NO. 78576, TO THE POINT OF BEGINNING.

NOTES

- HORIZONTAL DATUM: ASSUMED
- BASIS OF BEARINGS: CITY OF SEATTLE ENGINEERS MAP
- VERTICAL DATUM: CITY OF SEATTLE (NAVD 88)
- BENCHMARK: BRASS DISK SET VERTICALLY ON W FACE 2.3X2.3 CONC PILING, N PILING OF LAST 2 RECT PILING ON E SIDE OF ENTRY TO METRO BUS TERMINAL. ELEVATION = 22.58.
- DATE OF SURVEY: OCTOBER 17, 2003
- EQUIPMENT USED: IECA TCRA1105PLUS AND IECA DNA10.
- UTILITIES SHOWN HEREON WHERE FROM CITY UTILITY INFORMATION, PHYSICAL STRUCTURES, OR FROM SURFACE PAINT MARKINGS BY A LOCATOR SERVICE.
- THE UTILITY LOCATOR SERVICE INDICATED THAT THE UNDERGROUND POWER WAS AN EMPTY CONDUIT ON THE DATE OF SURVEY.
- AREA OF THE SITE: 20,088 SQ. FT. (0.461 ACRES)

LEGEND

- BOUNDARY LINE
- - - VACATION LINE
- LOT LINE
- CENTERLINE
- CHAIN LINK FENCE
- SS SANITARY SEWER LINE
- W WATER LINE
- SD STORM DRAIN LINE
- UNDERGROUND POWER
- UNDERGROUND TELEPHONE
- GAS LINE
- ⊗ STREET LIGHT
- ⊠ TELEPHONE VAULT
- ⊞ JUNCTION BOX
- ⊙ SEWER MANHOLE
- ⊙ STORM DRAIN MANHOLE
- CATCH BASIN
- WATER METER
- ELECTRIC METER
- GAS METER
- ⊙ ELECTRIC MANHOLE
- ⊙ FIRE HYDRANT



SURVEYED: II/EF					
DRAWN: EF					
CHECKED: II					
REV	REVISION	DATE	BY	APPD	

True NORTH
 LAND SURVEYING, INC.
 157 Yesler Way
 Suite 301
 Seattle Wa 98104-2596
 206.332.0800

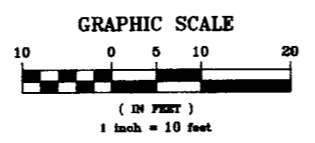
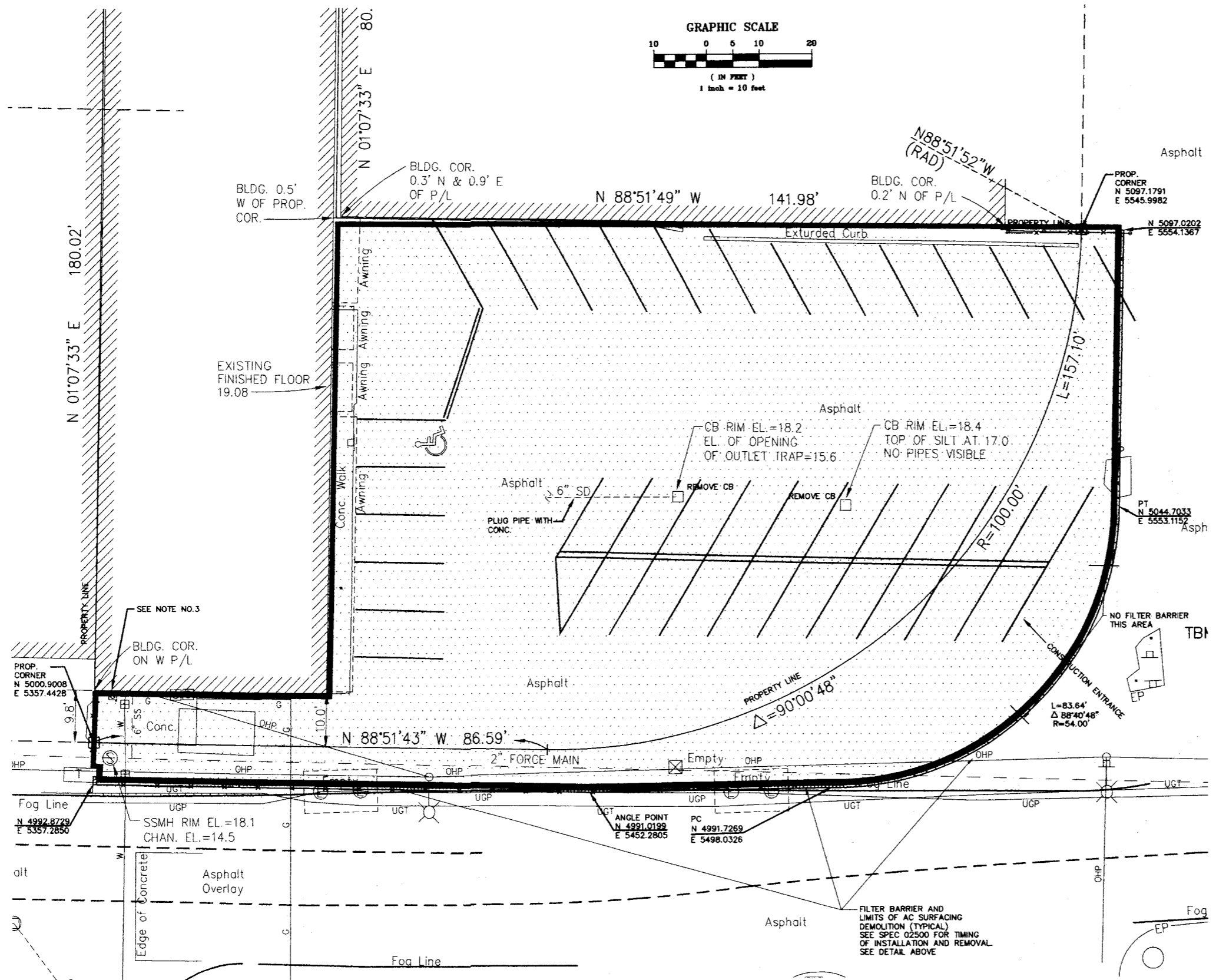


Date: OCT. 22, 2003
 Scale: 1" = 20'
 Book:

132 S. SPOKANE STREET
BOUNDARY AND TOPOGRAPHIC SURVEY
 FOR KMB JUSTICE FACILITIES GROUP

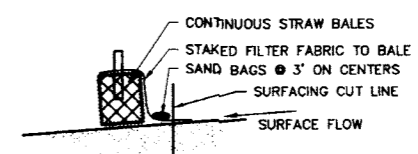
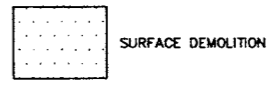
PORTION OF NW 1/4 OF THE NW 1/4 OF SECTION 17, T. 24 N., R. 4 E., W.M.

Job Number: J03-26
 Sheet: of A1.0



- NOTES:
1. CLEARLY FIELD MARK SURFACING CUT LINE. CALL ARCHITECT FOR INSPECTION AND APPROVAL PRIOR TO MAKING CUT.
 2. REMOVE ALL SURFACING BETWEEN EXISTING BUILDING AND SURFACING CUT LINE PER DIMENSIONING SHOWN.
 3. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS SERVICE PROVIDER TO ACCOMPLISH A REMOVAL OF THE GAS METER, AND REPLACEMENT OF A NEW METER PER THE LOCATION AND REQUIREMENTS OF THE MECHANICAL WORK PORTION OF THESE PLANS. ANY AND ALL NECESSARY PIPELINE INSTALLATION SHALL BE ACCOMPLISHED PRIOR TO FINAL COMPACTION AND PLACEMENT OF NEW SURFACING.

LEGEND



FILTER BARRIER

NT6

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
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 SEATTLE, WASHINGTON

KMB JUSTICE FACILITES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

CONSULTARES, INC.
 PO BOX 808
 ISSAQUAH, WASHINGTON 98027
 TEL: 206-919-1319
 FAX: 425-557-2814
 EMAIL: CONSULTARES@AOL.COM

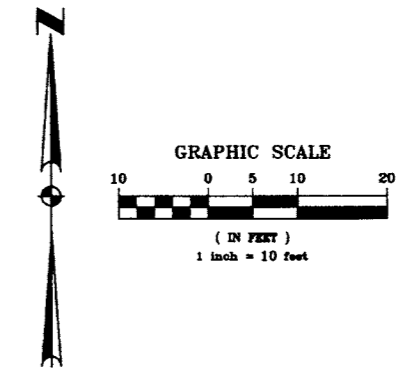
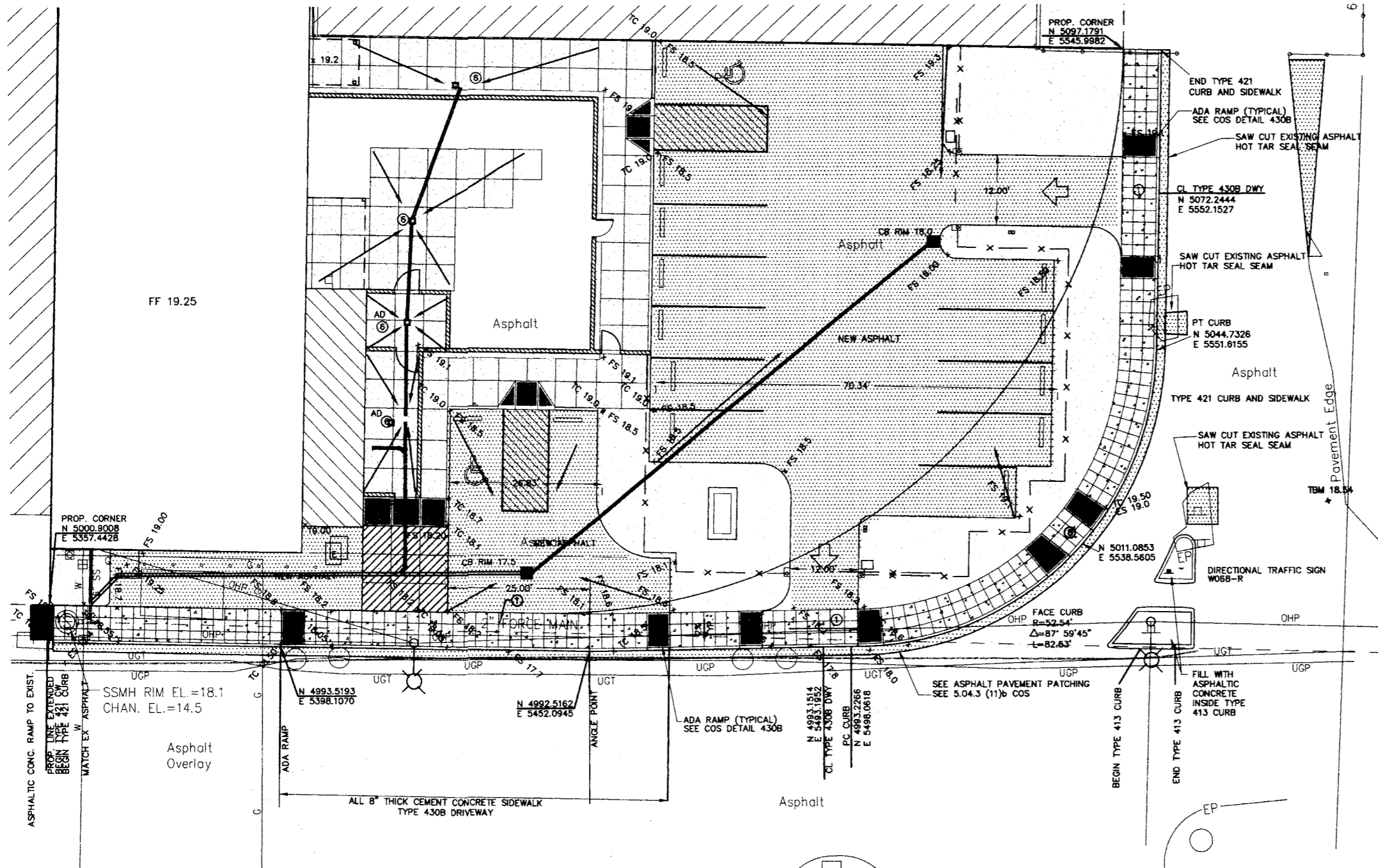
SURFACE DEMOLITION PLAN
 SCALE: 1" = 10'

ORIGINAL SHEET
 SIZE = 24" x 36"
 HALF SIZE
 REDUCTIONS = 1:17

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 CONSULTARES, INC

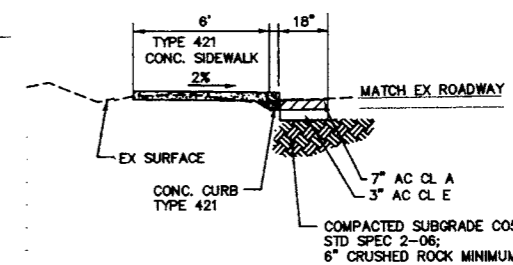
DATE: 11-01-04

SHEET NO.
01



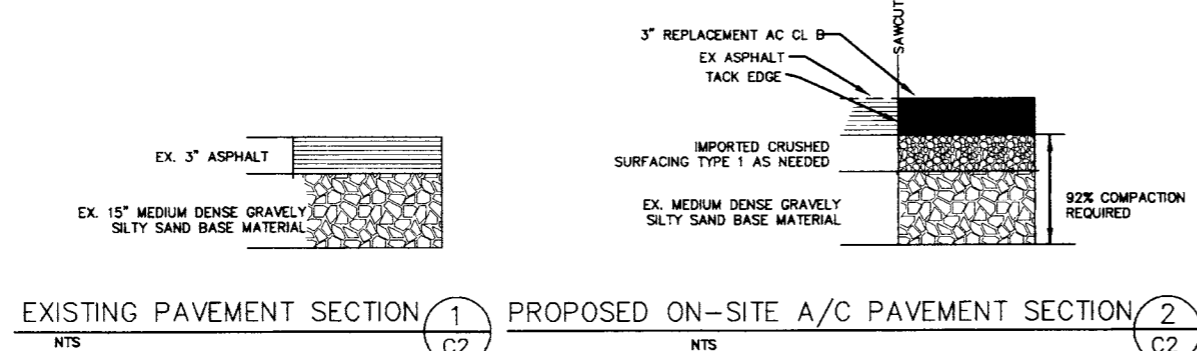
LEGEND

TC	TOP OF CURB
FS	FINISHED GRADE
ES	EXISTING SURFACE
COS	SEE SPECS 01010.2
WSDOT/APWA	SEE SPECS 01010.3
AD	AREA DRAIN
	3 1/2" CONCRETE
	LANDSCAPING
	NEW ASPHALT
	8" THICK CONCRETE



TYPICAL SECTION
(S. SPOKANE STREET & 2ND AVE S.)

GRADING AND SURFACING PLAN
SCALE: 1" = 10'



- NOTES:**
- COMMERCIAL DRIVEWAY IS COS STANDARD PLAN TYPE 430B
 - CONTRACTOR SHALL TIE ALL CANOPY DOWNSPOUTS ON EAST SIDE OF BUILDING INTO NEAREST AREA DRAIN WITH 4" PIPELINE @ 2% SLOPE; DEPTH AS REQUIRED EXCEPT SHALL BE 1 FOOT MIN.
 - OMIT
 - OMIT
 - THIS AREA TO BE COS STANDARD PLAN 413 SECTION A TRAFFIC CURB PRECAST CEMENT CONCRETE, WITH FULL AND CROWNED CONCRETE FILL INSIDE PRECAST SECTIONS; ALL ON EXISTING ASPHALT-CONCRETE SURFACING.
 - SLOPE TO AREA DRAIN WITH RIM ELEVATION AT 18.8 FEET WITH 0.5% MINIMUM.
 - CONCRETE SURFACING FOR SIDEWALK FRONTING STREET RIGHT-OF-WAY TO BE PER COS STANDARD PLANS; ALL OTHER CONCRETE SURFACING TO HAVE SCORE LINES AT 5 FEET BY 5 FEET THROUGH-OUT WITH EXPANSION JOINTS PER SPEC. 03300.
 - PER COS STANDARD PLAN 422b.

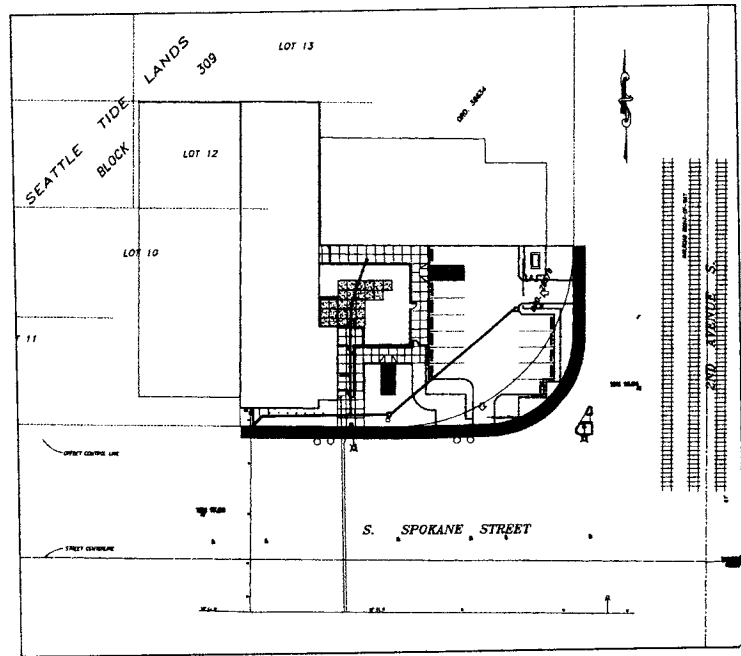
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID



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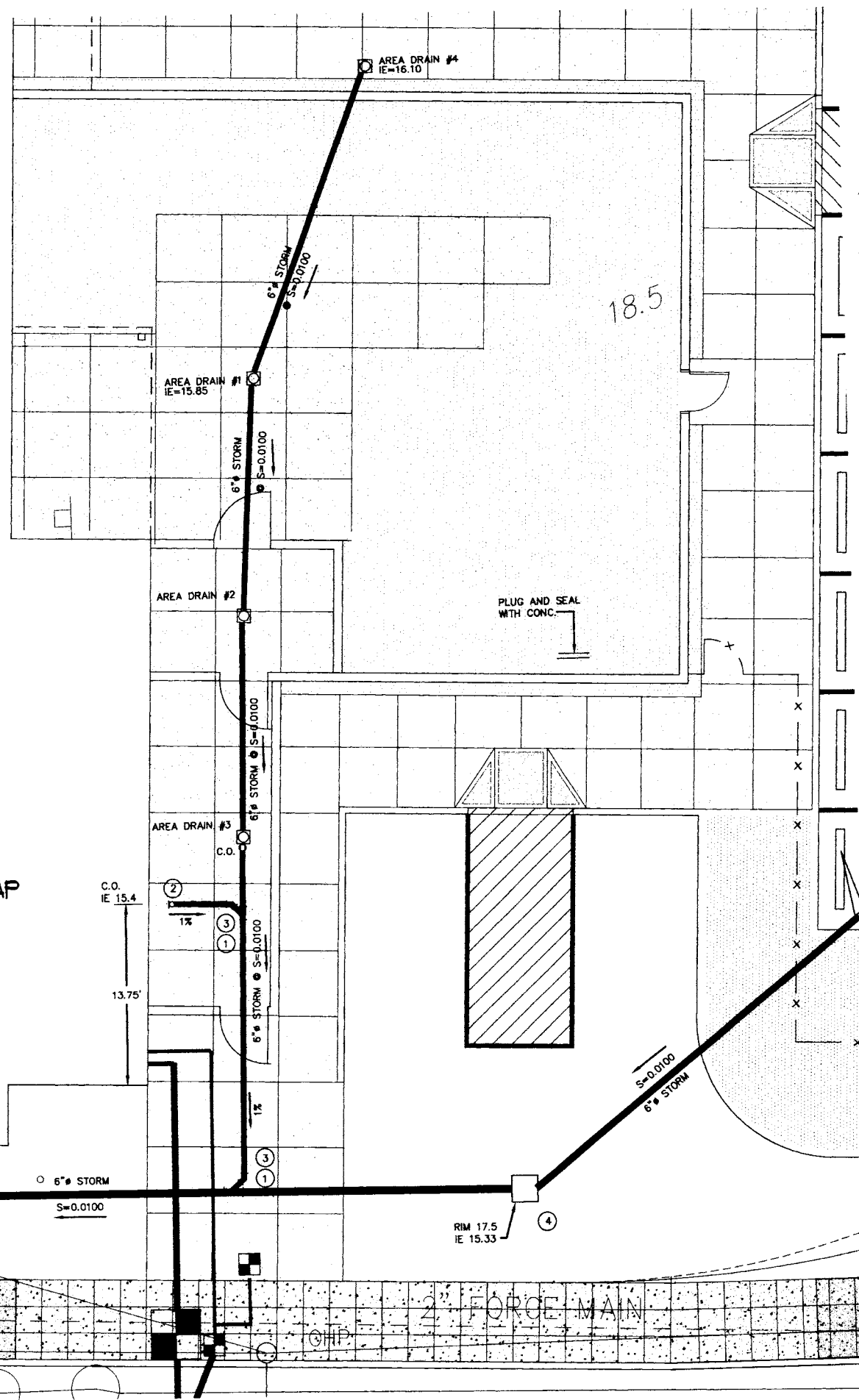
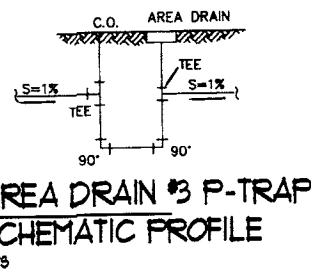
CONSULTARES, INC.
PO BOX 608
ISSAQUAH, WASHINGTON 98027
TEL: 206-919-1319
FAX: 425-557-2814
EMAIL: CONSULTARES@AOL.COM

ORIGINAL SHEET
DATE: 11-01-04
CONSULTARES, INC.
DATE: 11-01-04
C2



LOCATION PLAN
SCALE: 1" = 50'

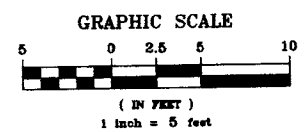
- NOTES:
- 1 PLACE 6"x6" WYE
 - 2 POINT OF CONNECTION AT 5' APPROXIMATE FROM FOUNDATION WALL; FIRST INSTALLER TO PLACE AND CAP; SECOND INSTALLER TO MAKE CONNECTION. SEE MECHANICAL FOR PIPE CONTINUATION
 - 3 6" 45° BEND
 - 4 CB-A TYPE I WS DOT/APWA



(RAD) 51' 52" W

RIM 18.00
IE 16.33

RIM 17.5
IE 15.33



SEWER PLAN
SCALE: 1" = 5'

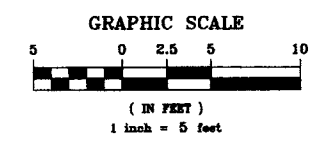
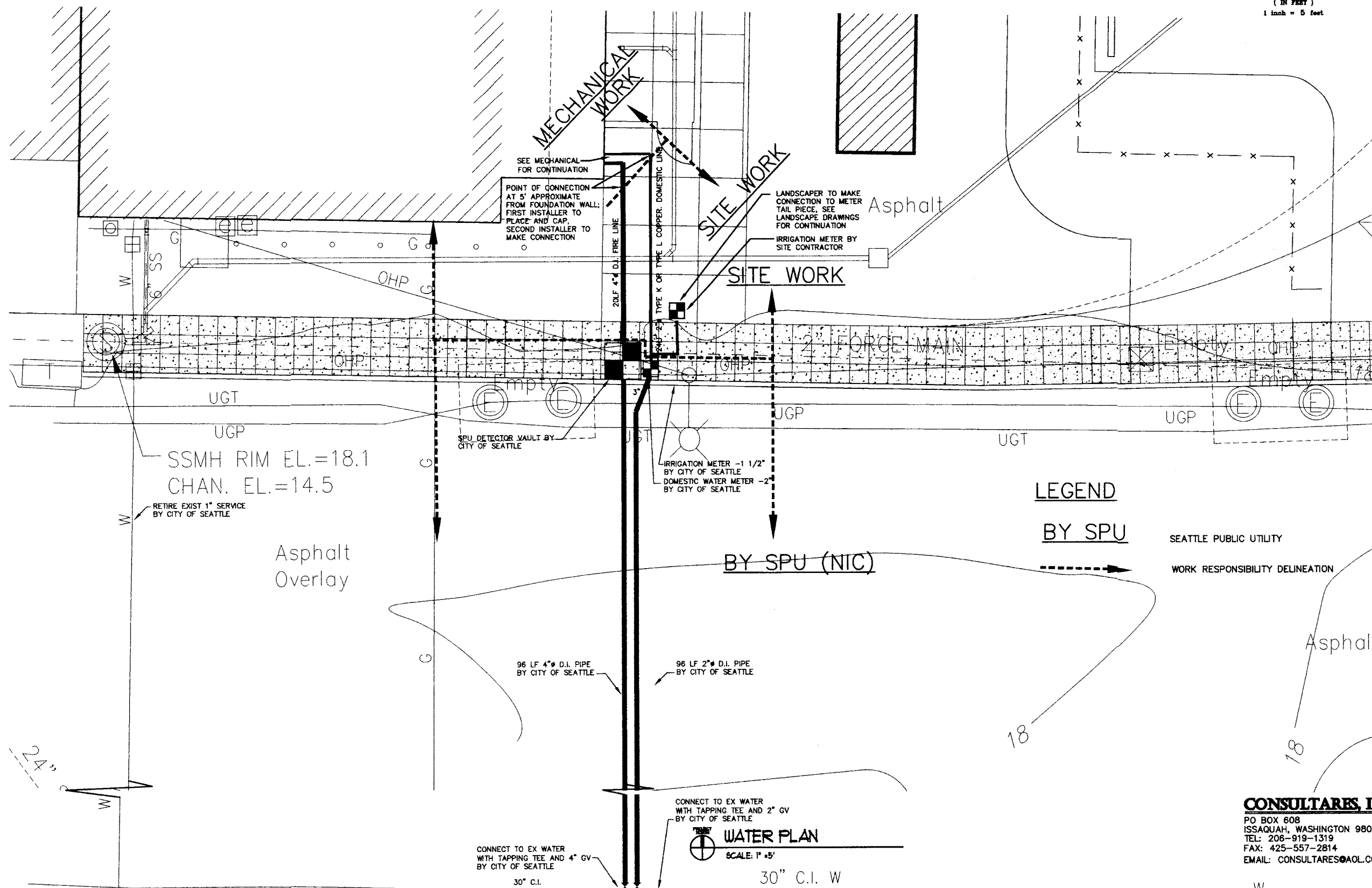
CONSULTARES, INC.
PO BOX 608
ISSAQUAH, WASHINGTON 98027
TEL: 206-919-1319
FAX: 425-557-2814
EMAIL: CONSULTARES@AOL.COM



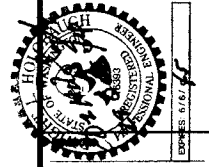
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 1/2"
DRAWN BY
CONSULTARES, INC.
DATE
11-01-04

3



DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON



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CONSULTARES, INC.
 PO BOX 608
 ISSAQUAH, WASHINGTON 98027
 TEL: 206-919-1319
 FAX: 425-557-2814
 EMAIL: CONSULTARES@AOL.COM

ORIGINAL SHEET
 SIZE - 24" x 36"
 HALF SIZE
 REDUCTIONS - 12"

DATE: 11-01-04
 SHEET NO: **C4**

GENERAL NOTES

THESE GENERAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATIONS, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY; ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEI/ASCE STANDARD NO. 37-02 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION."

CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

STANDARDS

ALL METHODS, MATERIALS AND WORKMANSHIP FOR NEW CONSTRUCTION SHALL CONFORM TO THE 2003 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION. LATERAL FORCES WERE USED PER THE 1997 UNIFORM BUILDING CODE.

CONTRACT DRAWINGS / DIMENSIONS

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, MECHANICAL, ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS, WALL CONFIGURATIONS, INCLUDING EXACT DOOR AND WINDOW LOCATIONS, ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DESIGN CRITERIA

VERTICAL LOADS

AREA	DESIGN DEAD LOAD	LIVE LOAD	PARTITION LOAD	CONCENTRATED LOADS
ROOF	20 PSF	25 PSF		
SECOND FLOOR		50 PSF	20 PSF	1,000#
CORRIDORS (ABOVE 1ST FLR)		80 PSF		2,000#
CORRIDORS (1ST FLOOR)		100 PSF		2,000#
STAIRS		100 PSF		300#

LATERAL FORCES

LATERAL FORCES ARE TRANSMITTED BY DIAPHRAGM ACTION OF ROOF AND FLOORS TO SHEAR WALLS. LOADS ARE THEN TRANSFERRED TO FOUNDATION BY SHEAR WALL ACTION WHERE ULTIMATE DISPLACEMENT IS RESISTED BY PASSIVE PRESSURE OF EARTH AND/OR SLIDING FRICTION. OVERTURNING IS RESISTED BY DEAD LOAD OF THE STRUCTURE. THE EXISTING UNREINFORCED CMU WALLS ARE NOT RELIED UPON TO RESIST LATERAL EARTHQUAKE SHEAR WALL FORCES. IN ADDITION THE WALLS ARE BACKED WITH METAL STUD WALLS TO RESIST OUT OF PLANE FORCES.

WIND:

P=Ce Cq QsIs, BASIC WIND SPEED = 80 MPH, Iw = 1.0, EXPOSURE B, Ce PER TABLE 16-G, Cq PER TABLE 16-H, Qs PER TABLE 16-F. NET PRESSURE = P-2/3 (DESIGN DEAD LOAD).

THIS PROJECT IS GOING TO BE CONSTRUCTED IN A RESIDENTIAL NEIGHBORHOOD IN THE SEATTLE AREA OF KING COUNTY. THIS LOCATION IS SURROUNDED BY BUILDINGS AND TREES THAT COVER MORE THAN 20% OF THE AREA FOR MORE THAN ONE MILE FROM THE SITE. THIS IS THE CRITERIA LISTED IN SECTION 1616 OF THE UBC USED TO DETERMINE IF THE EXPOSURE B CLASSIFICATION CAN BE USED FOR A SITE. THUS, SINCE THE PROPOSED SITE FOR THIS PROJECT HAS MET THESE CRITERIA, WE BELIEVE THAT EXPOSURE B IS THE CORRECT CLASSIFICATION FOR THIS SITE.

SEISMIC: ZONE 3 PER 1997 UBC.

$$V = \frac{C_v I}{R T} W, \text{ BUT NEED NOT EXCEED } \frac{2.5 C_a I}{R} W$$

V = BASE SHEAR, C_v = 0.84 PER TABLE 16-R, C_a = 0.36 PER TABLE 16-Q, SOIL PROFILE = Se, I = 1.0 PER TABLE 16-K, R = 5.5 PER TABLE 16-N OR 16-P, W = DEAD LOAD OF PORTION OF BUILDING.

PIPES, DUCTS AND MECHANICAL EQUIPMENT SUPPORTED OR BRACED FROM STRUCTURE: CONFORM TO SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC. PUBLICATION "SEISMIC RESTRAINT MANUAL: GUIDELINES FOR MECHANICAL SYSTEMS". SPRINKLER LINE ATTACHMENTS SHALL CONFORM TO NFPA PAMPHLET 13.

FOUNDATION DESIGN CRITERIA REPORT OF GEOTECHNICAL SERVICES SCTF SPOKANE STREET PROJECT, BY ZIPPER ZEMAN ASSOCIATES, IN.

SOIL PRESSURE: 2,000 PSF
 PASSIVE RESISTANCE: 250 PCF
 COEFFICIENT OF FRICTION: .35
 *1/3 INCREASE ALLOWED FOR SEISMIC OR WIND LOADING

FOOTINGS SHOULD BE SUPPORTED ON A LAYER OF STRUCTURAL FILL AT LEAST 2 FEET THICK AND WIDTH WIDER THAN THE FOOTING BY 2 TIMES THE THICKNESS OF FILL. SEE GEOTECHNICAL REPORT. THE FOOTING EXCAVATION SHALL BE LINED WITH AN AMOCO 4508 (OR EQUIVALENT) GEOTEXTILE FABRIC AND FILLED IN 8" LIFTS. SEE GEOTECHNICAL REPORT. AREAS DESIGNATED "STRUCTURAL BACKFILL" SHALL BE FILLED WITH APPROVED WELL-GRADED BANKRUN MATERIAL. MAXIMUM SIZE OF ROCK 3". FROZEN SOIL, ORGANIC MATERIAL AND DELETERIOUS MATTER NOT ALLOWED. COMPACT TO AT LEAST 92% OF ITS MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557. SEE GEOTECHNICAL REPORT FOR STRUCTURAL FILL REQUIREMENTS. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION TO AVOID DAMAGE TO BURIED LINES, TANKS, AND OTHER CONCEALED ITEMS. UPON DISCOVERY, DO NOT PROCEED WITH WORK UNTIL RECEIVING WRITTEN INSTRUCTIONS FROM ARCHITECT. A COMPETENT REPRESENTATIVE OF THE OWNER SHALL INSPECT ALL FOOTING EXCAVATIONS FOR SUITABILITY OF BEARING SURFACES PRIOR TO PLACEMENT OF REINFORCING STEEL. PROVIDE DRAINAGE AND DEWATERING AROUND ALL WORK TO AVOID WATER-SOFTENED FOOTINGS.

CONCRETE

MIX DESIGNS: THE CONTRACTOR SHALL DESIGN CONCRETE MIXES THAT, MEET OR EXCEED THE REQUIREMENTS OF THE CONCRETE MIX TABLE. THE MIX DESIGNS SHALL FACILITATE ANTICIPATED PLACEMENT METHODS, WEATHER, REBAR CONGESTION, ARCHITECTURAL FINISHES, CONSTRUCTION SEQUENCING, STRUCTURAL DETAILS, AND ALL OTHER FACTORS REQUIRED TO PROVIDE A STRUCTURALLY SOUND, AESTHETICALLY ACCEPTABLE FINISHED PRODUCT. WATER REDUCING ADMIXTURES WILL LIKELY BE REQUIRED TO MEET THESE REQUIREMENTS. CONCRETE MIX DESIGNS SHALL CLEARLY INDICATE THE TARGET SLUMP. SLUMP TOLERANCE SHALL BE ± 1-1/2" INCHES.

AGGREGATE: COARSE AND FINE AGGREGATE SHALL CONFORM TO ASTM C-33

CEMENT: CEMENT SHALL CONFORM TO ASTM-150, TYPE II PORTLAND CEMENT, UNLESS NOTED OTHERWISE.

ALTERNATE MIX DESIGNS: VARIATIONS TO THE MIX DESIGN PROPORTIONS MAY BE ACCEPTED IF SUBSTANTIATED IN ACCORDANCE WITH ACI-318, CHAPTER 5. PROVIDE SUBMITTALS A MINIMUM OF TWO WEEKS PRIOR TO BID FOR DETERMINATION OF ACCEPTABILITY.

ADMIXTURES: ADMIXTURES SHALL BE BY MASTER BUILDERS, W.R. GRACE, OR PRE-APPROVED EQUAL. ALL MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED.

WATER: SHALL BE CLEAN AND POTABLE.

MAXIMUM CHLORIDE CONTENT: THE MAXIMUM WATER SOLUBLE CHLORIDE CONTENT SHALL NOT EXCEED 0.15% BY WEIGHT OF CEMENTITIOUS MATERIAL UNLESS NOTED OTHERWISE.

CONCRETE EXPOSED TO WEATHER: PROVIDE 5.0% TOTAL AIR CONTENT FOR ALL CONCRETE EXPOSED TO WEATHER. TOTAL AIR CONTENT IS THE SUM OF ENTRAINED AIR PROVIDED BY ADMIXTURES AND NATURALLY OCCURRING ENTRAPPED AIR. AIR CONTENT SHALL BE TESTED PRIOR TO BEING PLACED IN THE PUMP HOPPER OR BUCKET; IT IS NOT REQUIRED TO BE TESTED AT THE DISCHARGE END OF THE PUMP HOSE. THE TOLERANCE ON ENTRAPPED AIR SHALL BE +2.0% AND -1.5% WITH THE AVERAGE OF ALL TESTS NOT LESS THAN THE SPECIFIED AMOUNT.

ITEM	DESIGN f'c (PSI)	MAX. W/C RATIO	MIN. (2) FLYASH (PCY)	MAX. AGGREGATE SIZE (IN)	NOTES	MIN. CEMENTITIOUS (1) MATERIAL (SACKS/YARD)
SLAB ON GRADE	4000 @ 28 DAYS	0.45	100	3/4	3	5-1/2
ALL OTHER CONCRETE	4000 @ 28 DAYS	0.50	--	3/4		5-1/2

CONCRETE MIX NOTES:

1. TOTAL CEMENTITIOUS MATERIAL IS THE SUM OF ALL CEMENT PLUS FLYASH.

2. AT THE CONTRACTORS OPTION FLYASH MAY BE SUBSTITUTED FOR CEMENT BUT SHALL NOT EXCEED 25% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIAL.

3. FIBROUS CONCRETE REINFORCEMENT SHALL BE "FIBERMESH" MANUFACTURED BY SI CONCRETE SYSTEMS OR PRE-APPROVED EQUAL AND SHALL CONFORM TO ASTM C-1116 TYPE III 4.1.3. PERFORMANCE LEVEL 1, AND SHALL BE 100 PERCENT VIRGIN POLYPROPYLENE, FIBRILLATED FIBERS CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT. DOSAGE SHALL FOLLOW MANUFACTURER'S RECOMMENDATION BUT NOT LESS THAN 1.5 LB/CU. YD.

CONCRETE PLACEMENT

PLACE CONCRETE FOLLOWING ALL APPLICABLE ACI RECOMMENDATIONS. CONCRETE SHALL BE PROPERLY CONSOLIDATED PER ACI 309 USING INTERIOR MECHANICAL VIBRATORS, DO NOT OVER-VIBRATE. CONCRETE SHALL BE POURED MONOLITHICALLY BETWEEN CONSTRUCTION OR EXPANSION JOINTS. IF CONCRETE IS PLACED BY THE PUMP METHOD, HORSES SHALL BE PROVIDED TO SUPPORT THE HOSE. WEATHER FORECASTS SHALL BE MONITORED AND ACI RECOMMENDATIONS FOR HOT AND COLD WEATHER CONCRETING SHALL BE FOLLOWED AS REQUIRED. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET DURING PLACEMENT WITHOUT WRITTEN APPROVAL OF ENGINEER.

COLD WEATHER PLACEMENT

- COLD WEATHER IS DEFINED BY ACI 306 AS "A PERIOD WHEN FOR MORE THAN 3 SUCCESSIVE DAYS THE MEAN DAILY TEMPERATURE DROPS BELOW 40° F."
- NO CONCRETE SHALL BE PLACED ON FROZEN OR PARTIALLY FROZEN GROUND. THAWING THE GROUND WITH HEATERS IS PERMISSIBLE.
- CONCRETE MIX TEMPERATURES SHALL BE AS SHOWN BELOW. HEATING OF WATER AND/OR AGGREGATES MAY BE REQUIRED TO ATTAIN THESE TEMPERATURES.
- THE CONCRETE MAY REQUIRE PROTECTION FOR 4-7 DAYS AFTER POURING. IF TEMPERATURES REMAIN BELOW FREEZING, INSULATING BLANKET COVERAGE IS REQUIRED. IF TEMPERATURES ARE SLIGHTLY BELOW FREEZING (30° F MIN.) AT NIGHT AND ABOVE FREEZING DURING THE DAY, KRAFT PAPER WITH COMPLETE COVERAGE MAY BE USED IN LIEU OF INSULATED BLANKETS.
- NO ADDITIVES CONTAINING CHLORIDES SHALL BE USED. USE "POZZUTEC 20" BY MASTER BUILDERS OR "POLARSET" BY W.R. GRACE OR PRE-APPROVED EQUAL.

CONDITION OF PLACEMENT AND CURING	WALLS & SLABS	FOOTINGS
MIN. TEMP. FRESH CONCRETE AS MIXED FOR WEATHER INDICATED, DEGREES F.	ABOVE 30° F. 0 TO 30° F. BELOW 0° F.	60 65 70
MIN. TEMP. FRESH CONCRETE AS PLACED AND MAINTAINED, DEGREES F.		55 50
MAX. ALLOWABLE GRADUAL DROP IN TEMP. THROUGHOUT FIRST 24 HOURS AFTER END OF PROTECTION, DEGREES F.	50	40

HOT OR WINDY WEATHER PLACEMENT

HOT WEATHER IS DEFINED BY ACI 305 AS "ANY COMBINATION OF HIGH AIR TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY, TENDING TO IMPAIR THE QUALITY OF FRESH HARDENED CONCRETE." ACI 305 FIGURE 2.1.5 SHALL BE USED BY THE CONTRACTOR TO ESTIMATE THE RATE OF EVAPORATION. WHEN THE ESTIMATED RATE OF EVAPORATION IS GREATER THAN 0.2 PSF/HOUR THE PLACEMENT SHALL BE CONSIDERED A HOT WEATHER PLACEMENT. PRECAUTIONS AGAINST PLASTIC SHRINKAGE CRACKING ARE NECESSARY. PRECAUTIONS TAKEN BY THE CONTRACTOR VARY DEPENDING UPON THE FACTORS ASSOCIATED WITH WATER EVAPORATION AND INCLUDE BUT ARE NOT LIMITED TO:

- LIMITING CONCRETE TEMPERATURE TO 100°F AT TIME OF PLACEMENT.
- APPLICATION OF AN EVAPORATION RETARDER.
- USE OF FOG SPRAY.
- REDUCTION OF POUR SIZE.
- PLACING CONCRETE AT NIGHT.

CONTROL AND CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF ACI 301 SECTIONS 2.2.2.5 AND 5.3.2.6. KEYWAYS PER SECTION 2.2.2.5B ARE NOT REQUIRED UNLESS DETAILED ON THE STRUCTURAL DRAWINGS. SPECIAL BONDING METHODS PER SECTION 5.3.2.6 SHALL BE SATISFIED BY ITEM 6 BELOW UNLESS OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS. WHERE CONSTRUCTION JOINTS ARE NOT SHOWN ON PLAN OR ADDITIONAL CONSTRUCTION JOINTS ARE REQUIRED SUBMIT PROPOSED JOINTING FOR ENGINEERS APPROVAL. PROVIDE CONSTRUCTION JOINTS AS INDICATED BELOW UNLESS NOTED OTHERWISE ON THE PLANS:

- SLABS ON GRADE: PROVIDE CONSTRUCTION AND/OR CONTROL JOINTS AT 16 FEET O.C. MAXIMUM FOR UNEXPOSED SLABS ON GRADE AND 12 FEET O.C. FOR EXPOSED SLABS ON GRADE.
- BONDING AGENT: WHERE BONDING AGENT IS SPECIFICALLY CALLED ON ON THE STRUCTURAL DRAWINGS USE "WELD CRETE" BY LARSON PRODUCTS CORPORATION OR PRE-APPROVED EQUAL. FOLLOW ALLOW MANUFACTURERS RECOMMENDATIONS.
- ATTACHMENT OF NEW CONCRETE TO EXISTING: WHERE SHOWN, ROUGHEN CONCRETE TO A MINIMUM AMPLITUDE OF 1/4" USING IMPACT HAMMER. REMOVE ALL LOOSE OR DAMAGED CONCRETE, THOROUGHLY FLUSH ALL SURFACES WITH POTABLE WATER, AIR BLAST WITH OIL FREE COMPRESSED AIR TO REMOVE ALL WATER.

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DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 182 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON
 RE-BID

KMB JUSTICE FACILITES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883



ORIGINAL SHEET
 SIZE = 24" x 36"
 HALF SIZE
 REDUCTIONS = 18x7
 DRAWN BY:
 DATE: 11-01-04
 SHEET NO.
S0.1
 EXPIRES: 11/5/05

EMBEDDED ITEMS

EMBEDDED CONDUIT IN SLAB SHALL BE PLACED AND REINFORCED PER THE TYPICAL CONCRETE DETAILS. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN ANY CONCRETE. ALL EMBED PLATES SHALL BE SECURELY FASTENED IN PLACE.

GROUT

NON-SHRINK GROUT: MASTER BUILDERS "MASTERFLOW 555" OR PRE-APPROVED EQUAL. GROUT SHALL CONFORM TO CRD-C621 AND ASTM C1107 GRADE B WHEN TESTED AT A FLUID CONSISTENCY PER CRD-C611-85 FOR 30 MINUTES. GROUT MAY BE PLACED FROM A 25 SECOND FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK ENTIRE SPACE UNDER PLATES OR SHAPES. NO GROUTING SHALL BE DONE BELOW 40° F.

EPOXY GROUT: ICBO REPORT NO. 5193 MASTER BUILDERS "PASTE LPL", OR HILTI "HY-150", OR SIMPSON "S.E.T.", OR COVERT OPERATIONS "CIA-GEL 7000", OR PRE-APPROVED EQUAL. TWO PART LOW SAG EPOXY. GROUT MAY CONTAIN QUARTZ SAND AGGREGATE AS PROPORTIONED BY THE MANUFACTURER. USE EQUIPMENT WHICH WILL ACCURATELY MIX AND DISPENSE THE COMPONENTS. HOLE SHALL BE DRY AND CLEANED WITH WIRE BRUSH AND PRESSURIZED AIR JUST PRIOR TO INSTALLING GROUT. THE REBAR OR ROD SHALL BE CLEAN AND INSTALLED SLOWLY, AND SHALL BE ROTATED AS IT IS PUSHED INTO THE HOLE. COLD WEATHER GROUTING SHALL BE DONE WITH PROPER GROUT FORMULA. FIRST STAGES OF THE GROUTING OPERATION SHALL BE INSPECTED BY AN AGENT AS RECOMMENDED BY THE OWNER.

REINFORCING STEEL

REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60 (GRADE A706 FOR WELDED BARS UNLESS OTHERWISE NOTED, GRADE 40 FOR BEND OUT BARS). DETAIL, FABRICATE AND PLACE PER ACI 315 AND ACI 318. HORIZONTAL BEAM BARS, VERTICAL COLUMN BARS AND VERTICAL SHEAR WALL BARS SHALL MEET THE REQUIREMENTS OF ACI SECTION 21.2.5. REINFORCEMENT SHALL COMPLY WITH ASTM A706 FOR LOW ALLOY STEEL. BILLET STEEL A615 GRADE 60 REINFORCEMENT MAY BE USED IF THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED STRENGTH BY MORE THAN 18,000 PSI AND THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRESS TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-82 AND A-185. LAP ONE FULL MESH ON SIDES AND ENDS. PLACE AT MID-DEPTH OF SLAB, OR AS SHOWN.

REINFORCING COUPLERS: "CADWELD" OR "LENTON" BY ERICO PRODUCTS, INC., MBT BAR-LOCK, "NO-SLIP" BY FOX-HOWLETT INDUSTRIES, INC., OR PRE-APPROVED EQUAL. COUPLER MUST DEVELOP THE TENSILE STRENGTH OF THE BAR UNDO.

REINFORCING STEEL COVER

PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE.

CONCRETE CAST AGAINST EARTH ----- 3"
 EXPOSED TO WEATHER OR EARTH ----- 2"
 TIES ON BEAMS AND COLUMNS ----- 1-1/2"
 WALLS AND SLABS NOT EXPOSED TO WEATHER----- 3/4"

MASONRY

MASONRY ASSEMBLIES: SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE REQUIREMENTS OF CHAPTER 21 OF THE IBC, AND SHALL BE TESTED PER SECTION 2105.2 OF THE IBC FOR COMPLIANCE WITH f_m . MINIMUM SPECIFIED COMPRESSIVE STRENGTH, f_m , SHALL BE 1500 PSI FOR CONCRETE MASONRY ASSEMBLIES AND 2700 PSI FOR HOLLOW CLAY MASONRY ASSEMBLIES.

HOLLOW CONCRETE MASONRY UNITS (CMU): SHALL CONFORM TO ASTM C90. MINIMUM FACE SHELL THICKNESS AS DEFINED BY ASTM C90, SECTION 5.3.1. PROVIDE GRADE N, MEDIUM WEIGHT BLOCK WITH MINIMUM SPECIFIED COMPRESSIVE STRENGTH AS NOTED ABOVE. CMU CONSTRUCTION SHALL BE SOLID GROUTED UNLESS NOTED OTHERWISE.

HOLLOW CLAY MASONRY UNITS: SHALL CONFORM TO ASTM C652. BRICK SHALL BE SOLID SHELL HOLLOW BRICK UNITS. MINIMUM FACE SHELL AND WEB THICKNESSES AS DEFINED BY TABLE 1 OF ASTM C652. PROVIDE GRADE SW, TYPE HBS, CLASS H60V BRICK WITH MINIMUM SPECIFIED COMPRESSIVE STRENGTH AS NOTED ABOVE. HOLLOW BRICK CONSTRUCTION SHALL BE SOLID GROUTED UNLESS NOTED OTHERWISE.

MASONRY VENEER: SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 14 OF THE IBC, AND THE PROJECT SPECIFICATIONS.

MORTAR: SHALL BE TYPE S PER IBC. CONFORM TO ASTM C270. MINIMUM COMPRESSIVE STRENGTH = 1800 PSI.

GROUT: GROUT FOR POURING SHALL BE A FLUID CONSISTENCY. CONFORM TO ASTM C476 AND ACI 530.1. f_g =2000 PSI MINIMUM AT 28 DAYS.

GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACING BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE. GROUT POURS GREATER THAN 12 INCHES SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION 15 TO 20 MINUTES AFTER PLACEMENT TO MINIMIZE VOIDS DUE TO WATER LOSS. GROUT POURS 12 INCHES OR LESS IN HEIGHT SHALL BE MECHANICALLY VIBRATED, OR PUDDLED. COVER AND KEEP DRY ALL MASONRY WORK DURING CONSTRUCTION AND PREVENT MOISTURE ABSORPTION INTO MASONRY UNTIL THE ROOFING IS COMPLETE.

REQUIREMENTS FOR ALL-WEATHER MASONRY CONSTRUCTION:

COLD WEATHER CONSTRUCTION: WHEN AMBIENT TEMPERATURE IS BELOW 40° F, IMPLEMENT COLD WEATHER PROCEDURES

PREPARATION	CONSTRUCTION	PROTECTION
COMPLY WITH THE FOLLOWING REQUIREMENTS PRIOR TO CONDUCTING MASONRY WORK: A. DO NOT LAY MASONRY UNITS HAVING EITHER A TEMPERATURE BELOW 20° F OR CONTAINING FROZEN MOISTURE, VISIBLE ICE, OR SNOW ON THEIR SURFACE. B. REMOVE VISIBLE ICE AND SNOW FROM THE TOP SURFACE OF EXISTING FOUNDATIONS AND MASONRY TO RECEIVE NEW CONSTRUCTION. HEAT THESE SURFACES ABOVE FREEZING, USING METHODS THAT DO NOT RESULT IN DAMAGE.	THESE REQUIREMENTS APPLY TO WORK IN PROGRESS AND ARE BASED ON AMBIENT TEMPERATURE. DO NOT HEAT WATER OR AGGREGATES USED IN MORTAR OR GROUT ABOVE 140° F (60° C). COMPLY WITH THE FOLLOWING REQUIREMENTS DURING THE FOLLOWING AMBIENT CONDITIONS: A. 40° F TO 32° F: (4.4° TO 3.2° C) HEAT SAND OR MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40° F AND 120° F AT THE TIME OF MIXING. GROUT DOES NOT REQUIRE HEATED MATERIALS, UNLESS THE TEMPERATURE OF THE MATERIALS IS LESS THAN 32° F B. 32° F TO 25° F: (0° TO -3.9° C) HEAT SAND AND MIXING WATER TO PRODUCE MORTAR TEMPERATURE BETWEEN 40° F AND 120° F AT THE TIME OF MIXING. MAINTAIN MORTAR TEMPERATURE ABOVE FREEZING UNTIL USED IN MASONRY. HEAT GROUT AGGREGATES AND MIXING WATER TO PRODUCE GROUT TEMPERATURES BETWEEN 70° F AND 120° F AT THE TIME OF MIXING. MAINTAIN GROUT TEMPERATURE ABOVE 70° F AT THE TIME OF GROUT PLACEMENT. C. 25° F TO 20° F: (-3.9° TO -6.7° C) COMPLY WITH REQUIREMENTS ABOVE AND THE FOLLOWING: HEAT MASONRY SURFACES UNDER CONSTRUCTION TO 40° F (4.4° C) AND USE WIND BREAKS OR ENCLOSURES WHEN THE WIND VELOCITY EXCEEDS 15 MPH (24 KM/H). HEAT MASONRY TO A MINIMUM OF 40° F (4.4° C) PRIOR TO GROUTING. D. 20° F AND BELOW: (-6.7° C) COMPLY WITH REQUIREMENTS ABOVE AND THE FOLLOWING: PROVIDE AN ENCLOSURE AND AUXILIARY HEAT TO MAINTAIN AIR TEMPERATURE ABOVE 32° F (0° C) WITHIN THE ENCLOSURE.	THESE REQUIREMENTS APPLY AFTER MASONRY IS PLACED AND ARE BASED ON ANTICIPATED MINIMUM DAILY TEMPERATURE FOR GROUTED MASONRY AND ANTICIPATED MEAN DAILY TEMPERATURE FOR UNGROUTED MASONRY. PROTECT COMPLETED MASONRY IN THE FOLLOWING MANNER: A. MAINTAIN THE TEMPERATURE OF GLASS UNIT MASONRY ABOVE 40° F (4.4° C) FOR THE FIRST 48 HR AFTER CONSTRUCTION. B. 40° F TO 25° F: (4.4° C TO -3.9° C) PROTECT NEWLY CONSTRUCTED MASONRY BY COVERING WITH A WEATHER-RESISTIVE INSULATING MEMBRANE FOR 24 HR AFTER BEING COMPLETED. C. 25° F TO 20° F: (-3.9° C TO -6.7° C) COVER NEWLY CONSTRUCTED MASONRY COMPLETELY WITH WEATHER-RESISTIVE INSULATING BLANKETS, OR EQUAL PROTECTION, FOR 24 HR AFTER COMPLETION OF WORK. EXTEND TIME PERIOD TO 48 HR FOR GROUTED MASONRY, UNLESS THE ONLY CEMENT IN THE GROUT IS TYPE III PORTLAND CEMENT. D. 20° F AND BELOW: (-6.7° C) MAINTAIN NEWLY CONSTRUCTED MASONRY TEMPERATURE ABOVE 32° F (0° C) FOR AT LEAST 24 HR AFTER BEING COMPLETED BY USING HEATED ENCLOSURES, ELECTRIC HEATING BLANKETS, INFRARED LAMPS, OR OTHER ACCEPTABLE METHODS. EXTEND TIME PERIOD TO 48 HR FOR GROUTED MASONRY, UNLESS THE ONLY CEMENT IN THE GROUT IS TYPE III PORTLAND CEMENT.

HOT WEATHER CONSTRUCTION: IMPLEMENT APPROVED HOT WEATHER PROCEDURES AND COMPLY WITH THE FOLLOWING PROVISIONS

PREPARATION	CONSTRUCTION	PROTECTION
PRIOR TO CONDUCTING MASONRY WORK: A. WHEN THE AMBIENT AIR TEMPERATURE EXCEEDS 100° F (37.8° C), OR EXCEEDS 90° F (32.2° C) WITH A WIND VELOCITY GREATER THAN 8 MPH (12.9 KM/HR): 1. MAINTAIN SAND PILES IN A DAMP, LOOSE CONDITION. 2. PROVIDE NECESSARY CONDITIONS AND EQUIPMENT TO PRODUCE MORTAR HAVING A TEMPERATURE BELOW 120° F (48.9° C). B. WHEN THE AMBIENT TEMPERATURE EXCEEDS 115° F (46.1° C), OR EXCEEDS 105° F (40.6° C) WITH A WIND VELOCITY GREATER THAN 8 MPH (12.9 KM/HR), IMPLEMENT THE REQUIREMENTS ABOVE AND SHADE MATERIALS AND MIXING EQUIPMENT FROM DIRECT SUNLIGHT.	WHILE MASONRY WORK IS IN PROGRESS: A. WHEN THE AMBIENT AIR TEMPERATURE EXCEEDS 100° F (37.8° C), OR EXCEEDS 90° F (32.2° C) WITH A WIND VELOCITY GREATER THAN 8 MPH (12.9 KM/HR): 1. MAINTAIN TEMPERATURE OF MORTAR AND GROUT BELOW 120° F (48.9° C). 2. FLUSH MIXER, MORTAR TRANSPORT CONTAINER, AND MORTAR BOARDS WITH COOL WATER BEFORE THEY COME INTO CONTACT WITH MORTAR INGREDIENTS OR MORTAR. 3. MAINTAIN MORTAR CONSISTENCY BY RETEMPERING WITH COOL WATER. 4. USE MORTAR WITHIN 2 HR OF INITIAL MIXING. B. WHEN THE AMBIENT TEMPERATURE EXCEEDS 115° F (46.1° C), OR EXCEEDS 105° F (40.6° C) WITH A WIND VELOCITY GREATER THAN 8 MPH (12.9 KM/HR), IMPLEMENT THE REQUIREMENTS ABOVE AND USE COOL MIXING WATER FOR MORTAR AND GROUT. ICE IS PERMITTED IN THE MIXING WATER PRIOR TO USE. DO NOT PERMIT ICE IN THE MIXING WATER WHEN MORTAR OR GROUT MATERIALS.	WHEN THE MEAN DAILY TEMPERATURE EXCEEDS 100° F (37.8° C) OR EXCEEDS 90° F (32.2° C) WITH A WIND VELOCITY GREATER THAN 8 MPH (12.9 KM/HR), FOG SPRAY ALL NEWLY CONSTRUCTED MASONRY UNTIL DAMP, AT LEAST THREE TIMES A DAY UNTIL THE MASONRY IS THREE DAYS OLD

METAL REINFORCEMENT (MASONRY): REINFORCING SHALL CONFORM TO ASTM A-615, GRADE 60 (GRADE A706 FOR WELDED BARS UNLESS OTHERWISE NOTED). DETAIL, FABRICATE AND PLACE PER ACI 315 AND ACI 318. SPLICES SHALL BE AS NOTED BELOW.

MINIMUM LAP SPLICE LENGTHS "Ld" FOR TYPICAL CONDITIONS (1)					
BAR SIZE	CORNER BARS	FOUNDATION DOWELS	VERTICAL WALL REINFORCING	HORIZONTAL WALL REINFORCING	LONG. LINTEL REINFORCING
#3	18"	18"	18"	18"	18"
#4	24"	24"	33"	24"	33"
#5	30"	30"	48"	30"	48"
#6	36"	36"	-(2)	-(2)	-(2)
#7	42"	42"	-(2)	-(2)	-(2)
#8	48"	48"	-(2)	-(2)	-(2)

(1) FOR SPECIAL SPLICE CONDITIONS, REFER TO STRUCTURAL DRAWINGS FOR LAP LENGTH REQUIREMENTS.
 (2) MECHANICAL COUPLERS ARE REQUIRED

VERTICAL BAR POSITIONERS: VERTICAL REINFORCING SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY "D/A 811" VERTICAL BAR POSITIONERS FOR SINGLY REINFORCED CELLS AND "D/A 816" VERTICAL BAR POSITIONERS FOR DOUBLY REINFORCED CELLS BY DUR-O-WALL INC. OR PRE-APPROVED EQUAL.

EXISTING UNREINFORCED MASONRY WALL (CMU) DRILLED-IN "SEISMIC WALL ANCHORS

THE ANCHORS INTO FACESHELL: ICBO REPORT NO. 4815 SHALL BE "HILTI HIT HY20" UTILIZING STANDARD HY20 ADHESIVE WITH SCREEN TUBE AND SHORT HIT-A ANCHOR ROD WITH NUT AND WASHER, OR PRE-APPROVED EQUAL. INSTALLATION AND MATERIALS SHALL BE AS SPECIFIED BY HILTI CORPORATION OR PRE-APPROVED MANUFACTURER.

THE ANCHORS INTO GROUTED CELL: SHALL BE "HILTI HY150" UTILIZING STANDARD HY150 ADHESIVE AND HAS-E ANCHOR ROD WITH NUT AND WASHER, OR PRE-APPROVED EQUAL. INSTALLATION AND MATERIALS SHALL BE SPECIFIED BY HILTI CORPORATION, OR COVERT OPERATION "CIA-GEL 7000 SYSTEM," OR PRE-APPROVED MANUFACTURER.



DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON
 RE-BID

REVISIONS

KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 1:17
 DRAWN BY:
 DATE: 11-01-04
 SHEET NO.
S0.2
 EXPIRES: 11/25/05

QUALITY ASSURANCE/SPECIAL INSPECTION:

QUALITY ASSURANCE PLAN: QUALITY ASSURANCE SHALL BE PROVIDED PER THE REQUIREMENTS OF IBC SECTION 1705.2 AND AS NOTED HEREIN.

STRUCTURAL SYSTEM	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS	REFERENCES
SOILS	PRIOR TO PLACEMENT OF PREPARED FILL, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE APPROVED SOILS REPORT.		X	SOIL SPECIAL INSPECTION IS NOT REQUIRED WHERE FILL PLACEMENT IS LESS THAN 12 IN.	IBC 1704.7
	DURING FILL PLACEMENT AND COMPACTION OF FILL MATERIAL	X			
	EVALUATION OF IN-PLACE DENSITY OF COMPACTED FILL		X		
STEEL CONSTRUCTION	STRUCTURAL STEEL WELDING 1. SINGLE-PASS FILLET WELDS >5/16" 2. WELDING OF STAIRS AND RAILING SYSTEMS	X		SPECIAL INSPECTIONS IN THIS SECTION ARE WAIVED WHERE FABRICATION IS PERFORMED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2	
	REINFORCING STEEL WELDING 1. VERIFICATION OF WELDABILITY 2. SHEAR REINFORCEMENT 3. OTHER REINFORCEMENT		X		AWS D1.4 ACI 318: 3.5.2 IBC 1903.5.2
	MATERIAL VERIFICATION OF STRUCTURAL STEEL 1. IDENTIFICATION MARKINGS CONFORM TO ASTM STANDARDS LISTED IN GENERAL NOTES 2. MANUFACTURER'S CERTIFIED MILL TEST REPORTS			X	IBC 1708.4 ASTM A6 OR A568
	MATERIAL VERIFICATION OF WELD FILLER MATERIALS. 1. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS LISTED IN GENERAL NOTES 2. MANUFACTURE'S CERTIFICATE OF COMPLIANCE			X	AISC, ASD, SECTION A3.6 AISC LRFD, SECTION A3.5
	SPRAYED FIRE-RESISTANT MATERIALS			X	IBC 1704.11
	CONCRETE	REINFORCING STEEL AND PLACEMENT		X	SPECIAL INSPECTIONS NOT REQUIRED FOR THE FOLLOWING CONDITIONS:
	BOLTS TO BE INSTALLED IN CONCRETE-PRIOR TO AND DURING PLACEMENT OF CONCRETE	X		NON-STRUCTURAL SLAB ON GRADE	IBC 1912.5
	VERIFY USE OF REQUIRED DESIGN MIX		X	CONCRETE FOUNDATION WALLS	ACI 318, CH4.5.2-5.4 IBC 1904.1905.2-1905.4 1914.2, 1914.3
	SAMPLING OF FRESH CONCRETE, SLUMP TEST, AIR CONTENT, TEMPERATURE OF CONCRETE AT TIME OF MAKING SPECIMENS	X		ISOLATED SPREAD FOOTINGS FOR BUILDINGS THREE-STORIES AND LESS	ASTM C172, C31 ACI 318: 5.6, 5.8 IBC 1905.6, 1914.10
	CONCRETE PLACEMENT FOR PROPER APPLICATION	X		CONTINUOUS FOOTINGS SUPPORTING WALLS OF THREE-STORIES AND LESS WHERE WALLS ARE LIGHT-FRAME CONSTRUCTION AND F'C=2500 PSI	ACI 318: 5.9, 5.10 IBC 1905.9, 1905.10 1914.6, 1914.7, 1914.8
	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X		ACI 318: 5.11-5.13 IBC 1905.11, 1905.13 1914.9
	MATERIAL VERIFICATION OF REINFORCEMENT STEEL			MANUFACTURER SHALL PROVIDE MILL TEST REPORTS	IBC 1708.3

MASONRY	AT BEGINNING OF CONSTRUCTION THE FOLLOWING SHALL BE VERIFIED: 1. PROPORTIONS OF SITE-PREPARED MORTAR. 2. CONSTRUCTION OF MORTAR JOINTS 3. LOCATION OF REINFORCEMENT AND CONNECTORS				X X X	ACI 530.1 ARTS 2.6A, 3.3B, 3A
	INSPECTION PROGRAM SHALL VERIFY THE FOLLOWING: 1. SIZE AND LOCATION OF STRUCTURAL ELEMENTS 2. TYPE, SIZE AND LOCATION OF ANCHORS IN MASONRY 3. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT 4. WELDING OF REINFORCING BARS 5. PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER				X X X X	IBC SEC. 2108.9.2.11 ITEM 2, SEC. 2104.3, SEC. 2104.4 ACI 530 ACI 530.1 ARTS 3.3G, 2.4, 3.4, 1.8
	PRIOR TO GROUTING THE FOLLOWING SHALL BE VERIFIED: 1. GROUT SPACE IS CLEAN 2. PLACEMENT OF REINFORCEMENT AND CONNECTORS 3. PROPORTIONS OF SITE-PREPARED GROUT 4. CONSTRUCTION OF MORTAR JOINTS				X X X X	ACI 530, SEC. 1.12 ACI 530.1 ARTS 3.2D, 3.4, 2.6B, 3.3B
	GROUT PLACEMENT	X				ACI 530.1, ART 3.5
	PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS	X				ACI 530.1, ART 1.4
	COMPLIANCE WITH INSPECTION PROVISIONS OF CONSTRUCTION DOCUMENTS				X	ACI 530.1, ART 1.5
	WOOD FRAMING	SHEAR WALL NAILING				X
	PLYWOOD ROOF DIAPHRAGM NAILING				X	IBC 1707.3
	NAILING, BOLTING, AND ANCHORAGE OF COMPONENTS THAT ARE PART OF DRAG STRUTS, BRACES AND HOLD-DOWNS THAT ARE PART OF THE SEISMIC RESISTING SYSTEM				X	IBC 1707.3
COLD-FORMED STEEL FRAMING	SCREW ATTACHMENT, BOLTING, ANCHORING AND FASTENING OF DRAG STRUTS, BRACES AND HOLD-DOWNS THAT ARE PART OF SEISMIC RESISTING SYSTEM				X	IBC 1707.4
SUSPENDED CEILING	ANCHORAGE AND SEISMIC BRACING				X	IBC 1621, 1705.1 ASCE 9.6.2.6
EMERGENCY OR STANDBY POWER SYSTEMS	ANCHORAGE OF EQUIPMENT TO STRUCTURE				X	IBC 1707.7
PIPING SYSTEMS INTENDED TO CARRY FLAMMABLE COMBUSTIBLE, OR HIGHLY TOXIC CONTENTS AND ASSOCIATED MECHANICAL EQUIPMENT	ANCHORAGE AND BRACING OF EQUIPMENT TO STRUCTURE				X	IBC 1707.7

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ORIGINAL SHEET
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DATE: 11-01-04
SHEET NO:
30.4

TESTING AND SPECIAL INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER WORK IS PERFORMED ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO OWNER, CONTRACTOR, BUILDING OFFICIAL, ARCHITECT AND STRUCTURAL ENGINEER.

STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD OR DESIGNATED REPRESENTATIVE IN ACCORDANCE WITH IBC 1709. STRUCTURAL OBSERVATION SHALL BE PERFORMED AS FOLLOWS:

- o PERIODIC VISUAL OBSERVATION OF STRUCTURAL SYSTEMS FOR GENERAL CONFORMANCE TO CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES.
- o REVIEW OF TESTING AND INSPECTION REPORTS.
- o REPORTS SHALL BE PREPARED FOR EACH SITE VISIT AND SHALL BE DISTRIBUTED TO ARCHITECT.

GENERAL CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE THE FOLLOWING:

- o ACKNOWLEDGMENT OF AWARENESS OF REQUIREMENTS OF QUALITY ASSURANCE PLAN.
- o ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- o PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION AND THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION.
- o IDENTIFICATION OF PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.

ABBREVIATION LIST			
ADD'L	ADDITIONAL	HT	HEIGHT
A.B.	ANCHOR BOLT	HORIZ.	HORIZONTAL
A.F.F.	ABOVE FINISH FLOOR	HSS	HOLLOW STRUCTURAL SECTION
ALT.	ALTERNATE	INT.	INTERIOR
ARCH.	ARCHITECTURAL	JT	JOINT
•	AT	JST	JOIST
BM	BEAM	L	ANGLE
BRG	BEARING	LGR	LEDGER
BTWN	BETWEEN	L.L.	LIVE LOAD
BLK'G	BLOCKING	LOC.	LOCATION
BOT.	BOTTOM	LSL	TIMBERSTRAND
B.O.F.	BOTTOM OF FOOTING	LVL	MICROLAM
BLD'G	BUILDING	MAX.	MAXIMUM
B.U.	BUILT UP	M.B.	MACHINE BOLT
(C=)	CAMBER	MFR	MANUFACTURER
C.I.P.	CAST IN PLACE	MECH.	MECHANICAL
C.J.	CONTROL/CONSTRUCTION	MEZZ.	MEZZANINE
C.P.	COMPLETE PENETRATION	MIN.	MINIMUM
CTR'D	CENTERED	MISC.	MISCELLANEOUS
⊥	CENTERLINE	NOM.	NOMINAL
CLR	CLEAR	N.S.	NEAR SIDE
COL.	COLUMN	NTS	NOT TO SCALE
CONC.	CONCRETE	O.C.	ON CENTER
CONFIG.	CONFIGURE	OPN'G	OPENING
CMU	CONCRETE MASONRY UNIT	OPP.	OPPOSITE
CONN.	CONNECTION	OSB	ORIENTED STRAND BOARD
CONST.	CONSTRUCTION	PL	PLATE
CONT.	CONTINUOUS	PAF	POWDER ACTUATED FASTENER
CONTR.	CONTRACTOR	PERP.	PERPENDICULAR
COORD.	COORDINATE	P.L.F.	POUNDS PER LINEAL FOOT
CTR'D	CENTERED	P.P.	PARTIAL PENETRATION
CU.	CUBIC	P.S.F.	POUNDS PER SQUARE FOOT
D.L.	DEAD LOAD	PSL	PARALLAM
DIA. OR ⌀	DIAMETER	PW.	PLYWOOD
DO	DITTO	REINF.	REINFORCING
DBL.	DOUBLE	REQ'D	REQUIRED
D.F.	DOUGLAS FIR	R.O.	ROUGH OPENING
DWG	DRAWING	SHT'G	SHEATHING
DWL	DOWEL	SHT	SHEET
EA.	EACH	SIM.	SIMILAR
EL.	ELEVATION	S.O.G.	SLAB ON GRADE
ENGR.	ENGINEER	SQ.	SQUARE
EQ.	EQUAL	STD	STANDARD
EXIST.	EXISTING OR (E)	STL	STEEL
EXT.	EXTERIOR	STIFF.	STIFFENER
EXP.	EXPANSION	STRUCT.	STRUCTURAL
FTG	FOOTING	T&G	TONGUE AND GROOVE
FDN	FOUNDATION	T.O.	TOP OF
FLG	FLANGE	T.O.F.	TOP OF FOOTING
FLR	FLOOR	T.O.S.	TOP OF STEEL
F.S.	FAR SIDE	TRT'D	TREATED
FRM'G	FRAMING	TYP.	TYPICAL
GALV.	GALVANIZED	U.N.O.	UNLESS NOTED OTHERWISE
GA.	GAGE	U.T.	ULTRASONIC TESTED
GL.	GLULAM	VERT.	VERTICAL
GR.	GRADE	W.P.	WORK POINT
GWB	GYPSON WALL BOARD	WT	WEIGHT
HGR	HANGER	W.W.F.	WELDED WIRE FABRIC
HDR	HEADER	W	WITH
		YD	YARD

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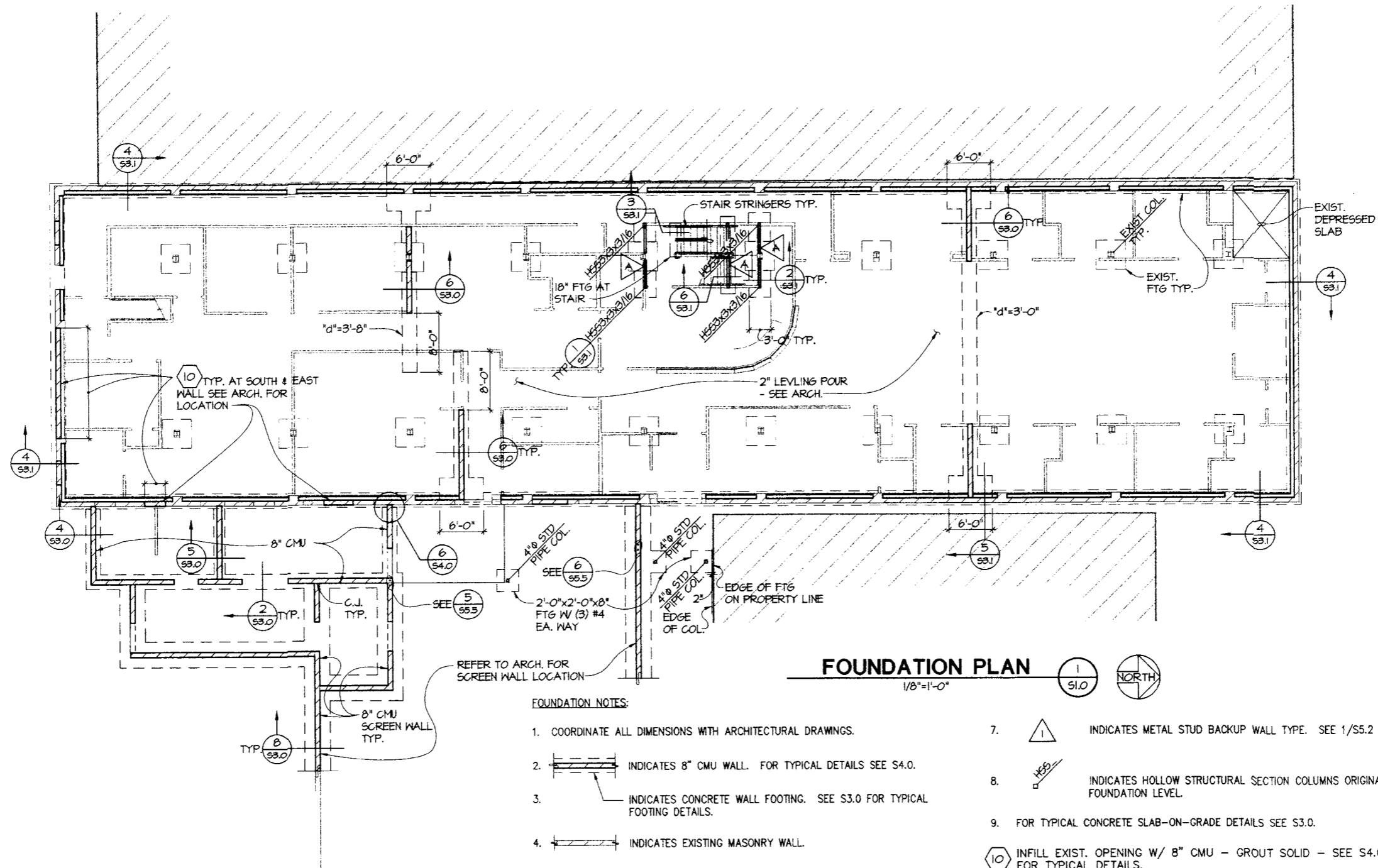


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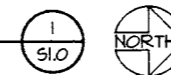
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ORIGINAL SHEET
 SIZE = 24 x 36
 HALF SIZE
 REDUCTIONS = 1/4"
 DRAWN BY:
 DATE: 11-01-04
 SHEET NO.
S0.5
 EXPIRES: 11/5/05



FOUNDATION PLAN

1/8"=1'-0"



FOUNDATION NOTES:

1. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. INDICATES 8" CMU WALL. FOR TYPICAL DETAILS SEE S4.0.
3. INDICATES CONCRETE WALL FOOTING. SEE S3.0 FOR TYPICAL FOOTING DETAILS.
4. INDICATES EXISTING MASONRY WALL.
5. INDICATES STUD WALL. SEE NOTES 6 & 7 FOR WALL TYPES.
6. INDICATES WOOD STUD WALL TYPE. SEE 2/S5.1 FOR SCHEDULE.
7. INDICATES METAL STUD BACKUP WALL TYPE. SEE 1/S5.2 FOR SCHEDULE.
8. INDICATES HOLLOW STRUCTURAL SECTION COLUMNS ORIGINATING AT FOUNDATION LEVEL.
9. FOR TYPICAL CONCRETE SLAB-ON-GRADE DETAILS SEE S3.0.
10. INFILL EXIST. OPENING W/ 8" CMU - GROUT SOLID - SEE S4.0 FOR TYPICAL DETAILS.
11. REPAIR APPROX. 600' CRACKS IN EXIST. EXTERIOR MASONRY WALLS EACH FACE - REPOINT OR EPOXY INJECT.
12. NON-STRUCTURAL INTERIOR STUD WALLS NOT SHOWN. FOR LOCATION SEE ARCH. FOR BRACING AT TOPS OF WALLS SEE S5.1.



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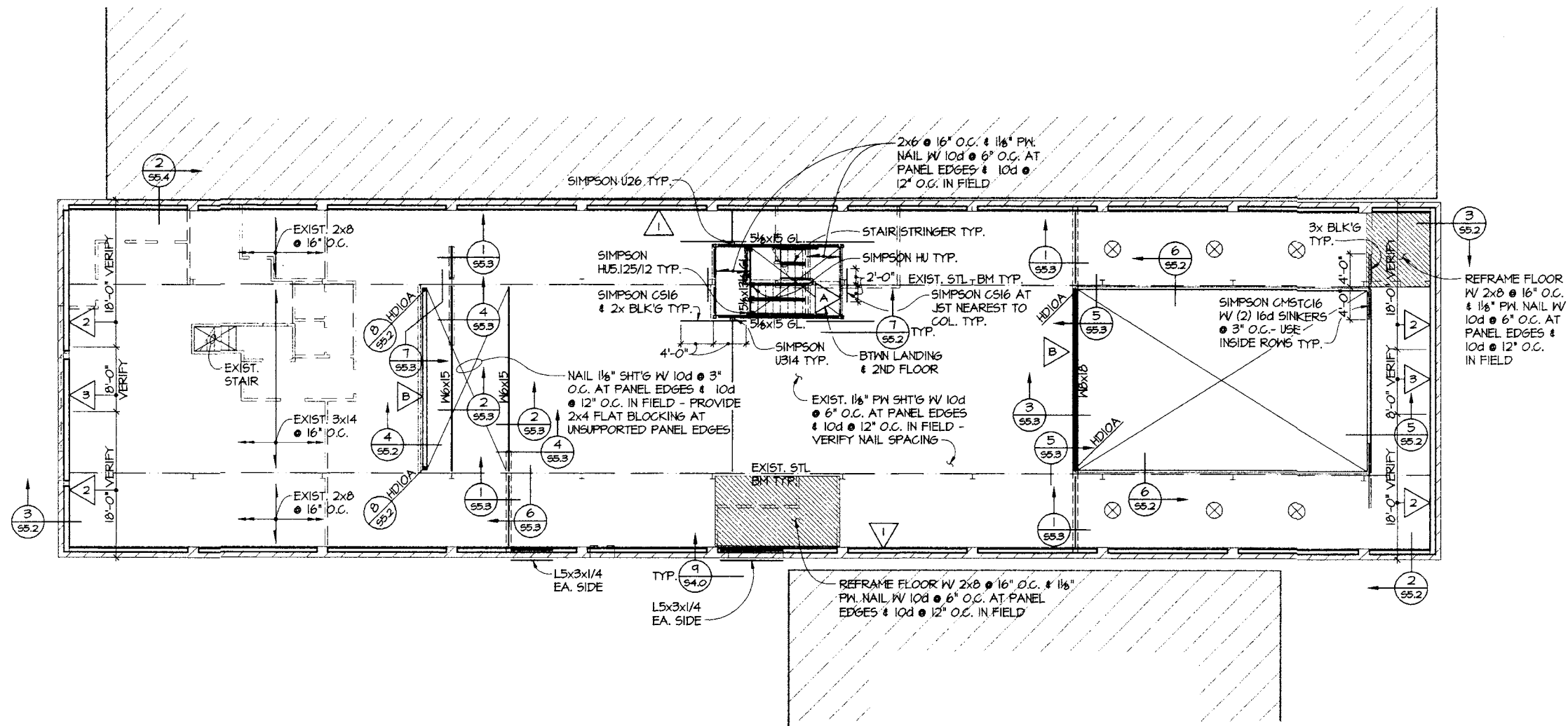
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 SIZE: 24 x 36
 HALF SIZE
 REDUCTIONS: 1/4"

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EXPIRES: 11/3/05



SECOND FLOOR FRAMING PLAN

1/8"=1'-0"



FLOOR FRAMING NOTES

1. INDICATES STUD WALL. SEE NOTES 4 AND 5 FOR WALL TYPES.
2. INDICATES WALL EXTENDING TO FLOOR STRUCTURE.
3. INDICATES EXISTING MASONRY WALL.
4. INDICATES WOOD STUD WALL TYPE. SEE 2/SS.1 FOR SCHEDULE.
5. INDICATES METAL STUD BACKUP WALL TYPE. SEE 1/SS.2 FOR SCHEDULE.
6. INDICATES PENETRATION IN FLOOR STRUCTURE.
7. INDICATES PENETRATION IN FLOOR STRUCTURE.
8. FOR SUPPORT OF MISCELLANEOUS MECHANICAL EQUIPMENT AND PIPES FROM FLOOR STRUCTURE SEE 8/SS.1.



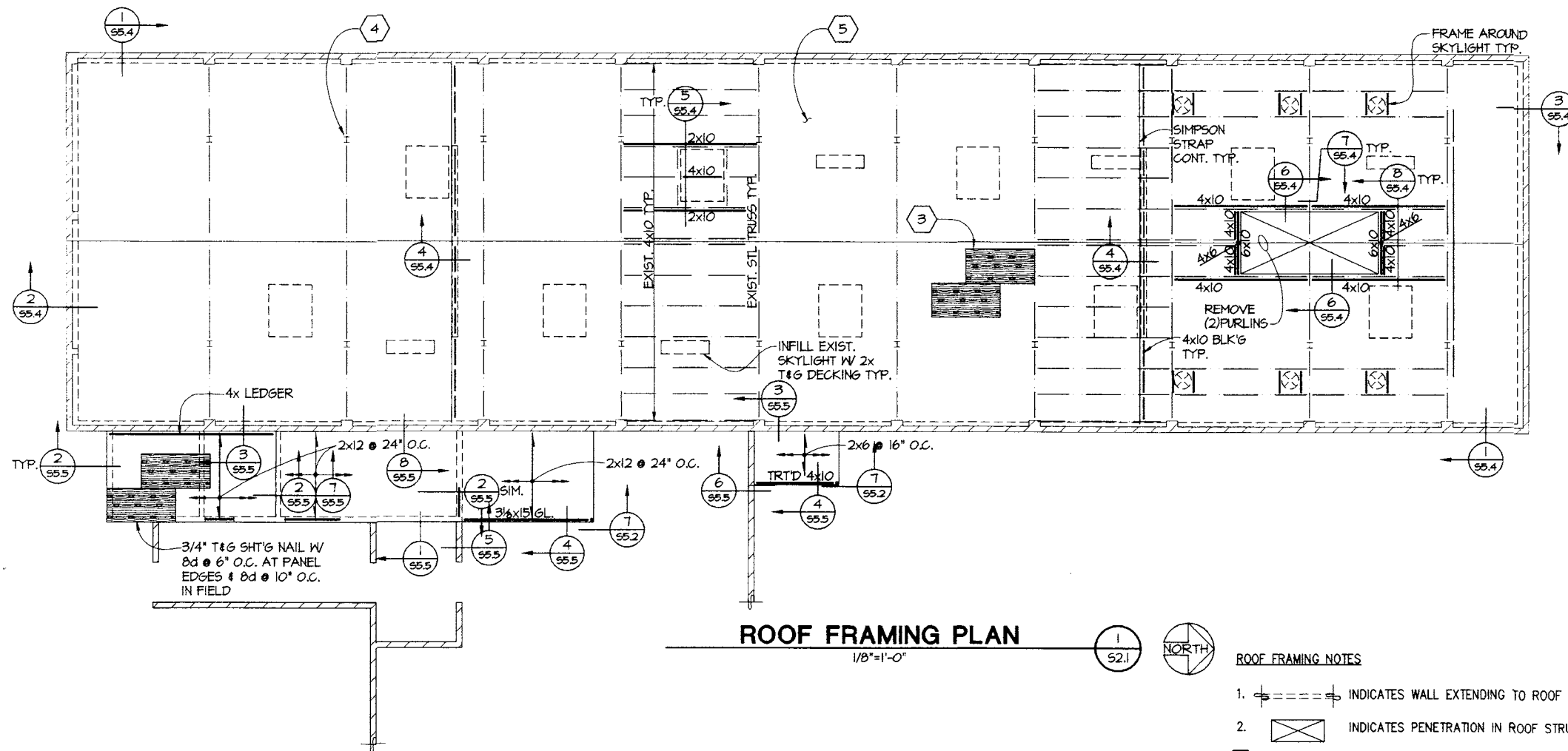
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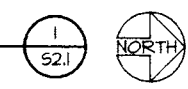
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ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 1/2"
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S2.0



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



ROOF FRAMING NOTES

1. INDICATES WALL EXTENDING TO ROOF STRUCTURE.
2. INDICATES PENETRATION IN ROOF STRUCTURE.
3. 1/2" PW. SH'T'G OVER EXIST. DECKING NAIL W/ 8dx1-1/2" @ 6" O.C. AT PANEL EDGES & 8d x1-1/2" @ 10" O.C. IN FIELD STAGGER PW. JOINTS W/ EXIST. DECKING JOINTS
4. REMOVE EXIST. CHIMNEY INFILL OPENING W/ 2x T&G DECKING.
5. BRACE (2) EXIST. MECH. UNIT FRAMES PER 10/S5.4.
6. FOR SUPPORT OF MISCELLANEOUS MECHANICAL EQUIPMENT AND PIPES FROM ROOF STRUCTURE SEE 9/S5.4.



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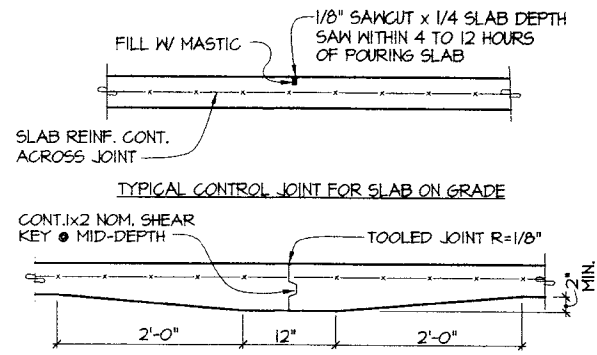
ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1x7

DATE: 11-01-04

SHEET NO. **S2.1**

EXPIRES: 11/2/05

NOTE:
LOCATE JOINTS AT NON-BEARING WALLS WHERE POSSIBLE-SUBMIT PATTERN TO ARCH. FOR APPROVAL

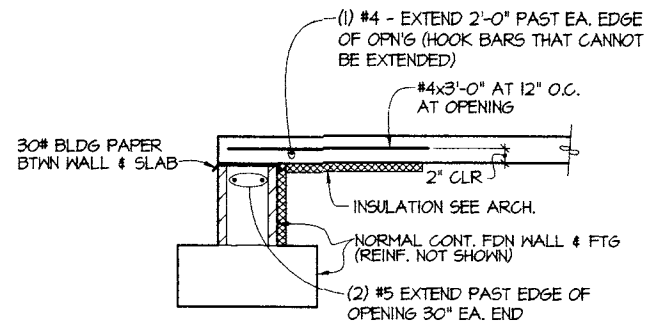


TYPICAL CONTROL JOINT FOR SLAB ON GRADE

SECTION 1

NO SCALE

53.0

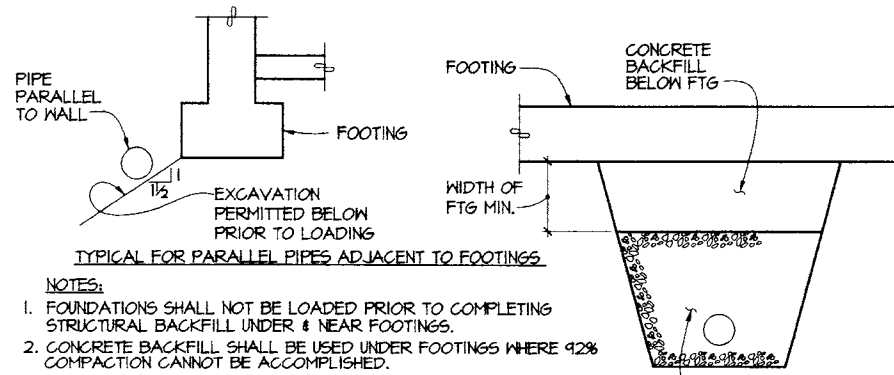


TYPICAL FIBER REINFORCED SLAB AT EXTERIOR OPENING

SECTION 2

NO SCALE

53.0



NOTES:

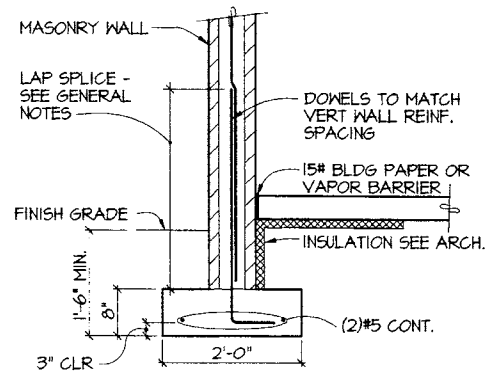
- FOUNDATIONS SHALL NOT BE LOADED PRIOR TO COMPLETING STRUCTURAL BACKFILL UNDER & NEAR FOOTINGS.
- CONCRETE BACKFILL SHALL BE USED UNDER FOOTINGS WHERE 92% COMPACTION CANNOT BE ACCOMPLISHED.
- ALL STRUCTURAL BACKFILL NOTED SHALL BE COMPACTED TO 92% OF MAX. DENSITY PER ASTM.
- A PIPE SLEEVE SHALL BE PROVIDED FOR SHALLOW PIPES CAST IN CONCRETE.
- PIPES SHALL NOT BE PLACED IN THE FOOTING WITHOUT SPECIFIC APPROVAL FROM THE ENGINEER.
- FOR VARIATIONS CONTACT ENGINEER.

TYPICAL FOR PERPENDICULAR PIPES UNDER FOOTINGS

SECTION 3

NO SCALE

53.0

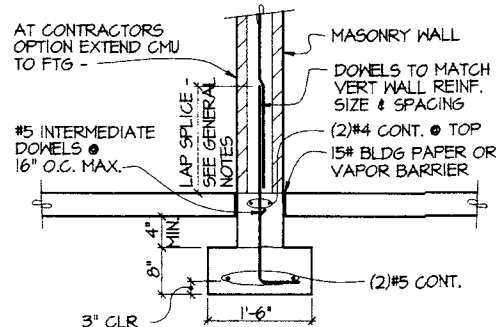


TYPICAL FOUNDATION AT EXTERIOR MASONRY WALL

SECTION 4

NO SCALE

53.0

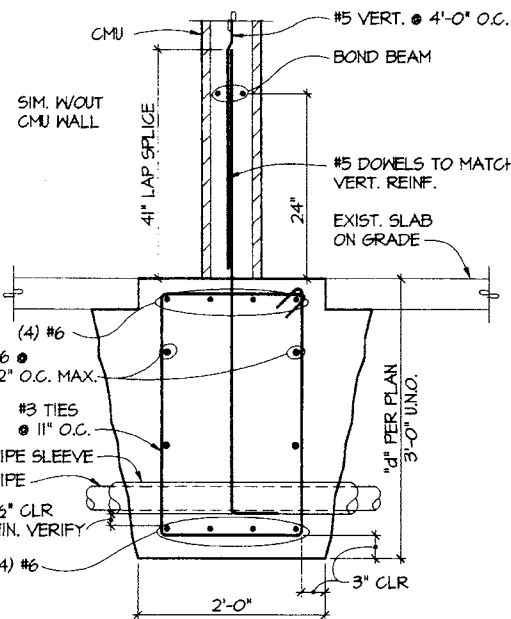


TYPICAL FOUNDATION AT INTERIOR MASONRY WALL

SECTION 5

NO SCALE

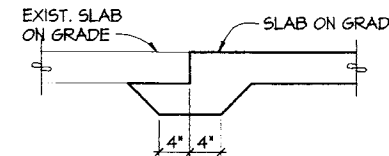
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SECTION 6

1"=1'-0"

53.0

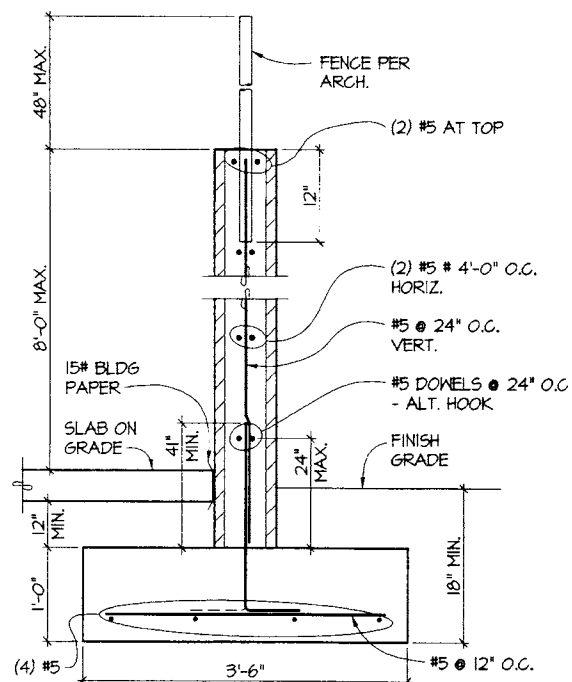


TYPICAL SLAB INFILL DETAIL

SECTION 7

NO SCALE

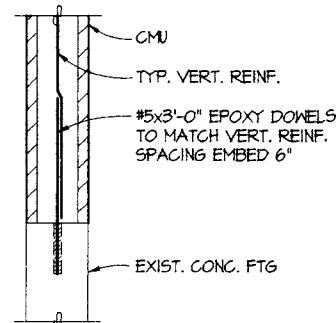
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SECTION 8

1"=1'-0"

53.0

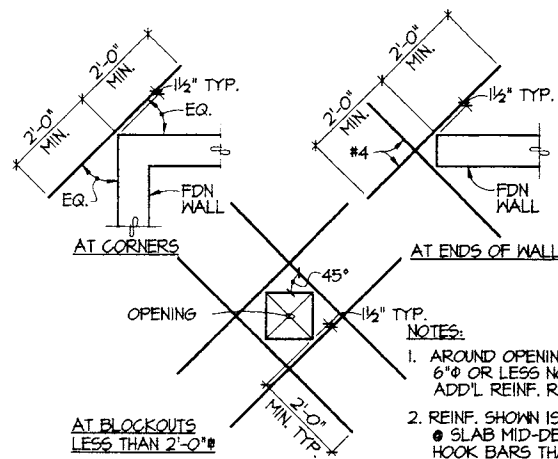


TYPICAL CMU INFILL SILL AT EXIST. FOUNDATION

SECTION 9

1"=1'-0"

53.0

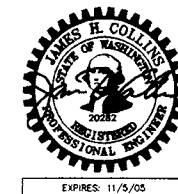


TYPICAL SLAB ON GRADE DISCONTINUITY REINFORCEMENT

PLAN DETAILS 10

NO SCALE

53.0



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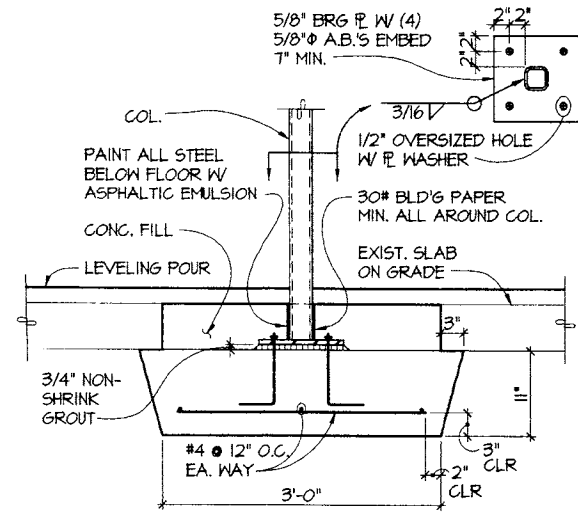
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SHEET NO.

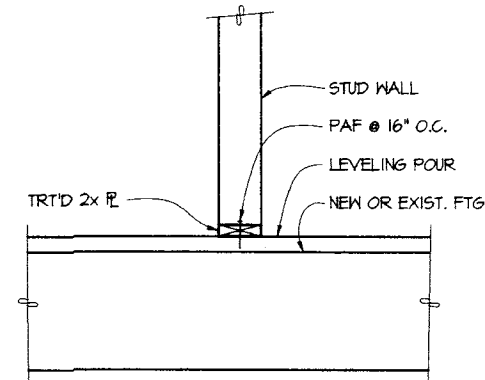
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EXPIRES: 11/5/05

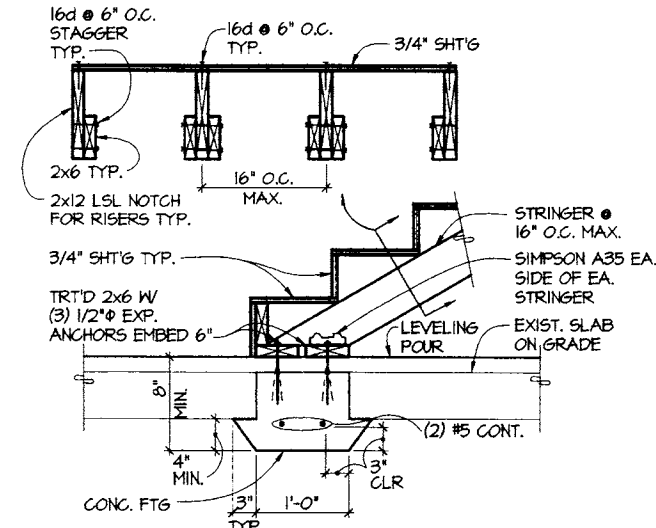
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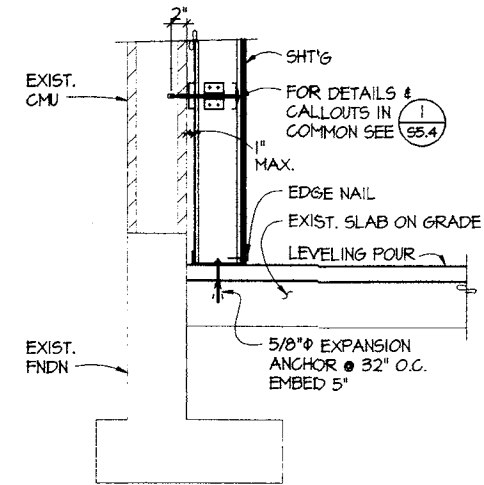
SECTION 1
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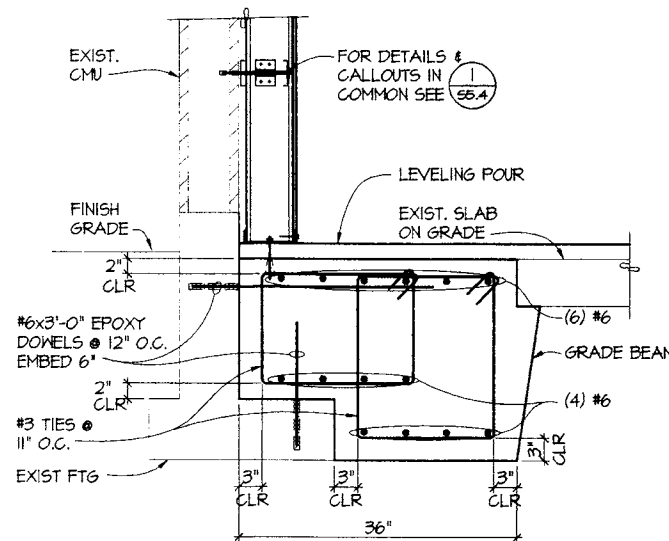
SECTION 2
1"=1'-0"
53.1



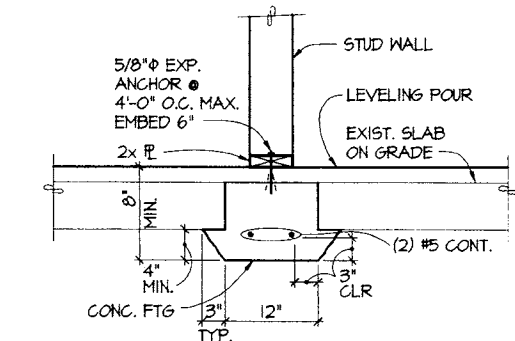
SECTION 3
1"=1'-0"
53.1



SECTION 4
1"=1'-0"
53.1



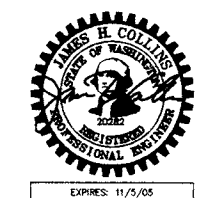
SECTION 5
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53.1



SECTION 6
NO SCALE
53.1

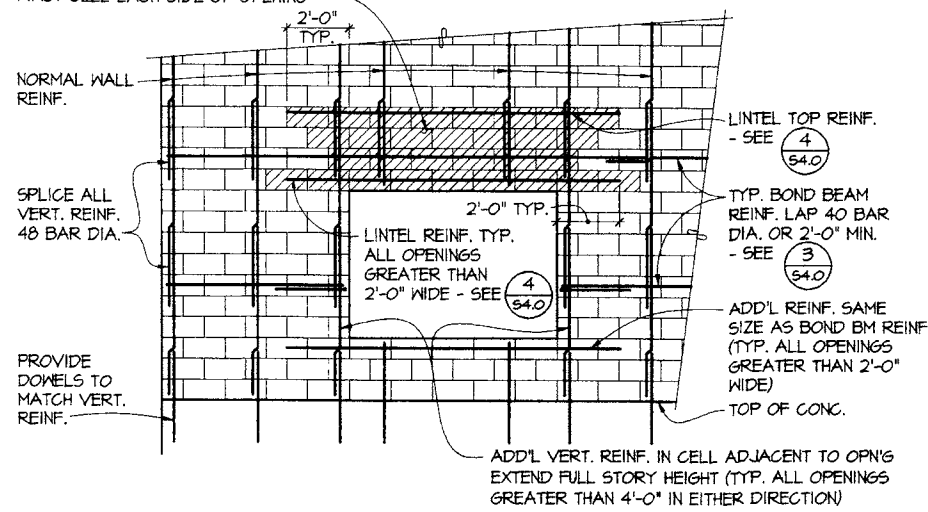
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 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON
 RE-BID

KMB JUSTICE FACILITES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883



ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 1/2"
 DRAWN BY:
 DATE: 11-01-04
 SHEET NO.:
S3.1

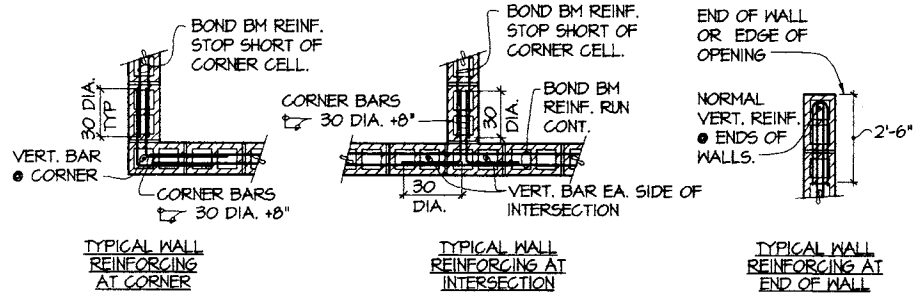
CROSS HATCHING AREA INDICATES BOND BEAM UNITS REQUIRED FULL LENGTH & HEIGHT OF LINTEL. EXTEND TO AT LEAST FIRST CELL EACH SIDE OF OPENING



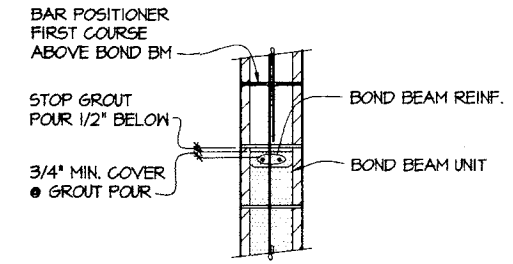
DETAIL 1
NO SCALE
S4.0

NOTES:

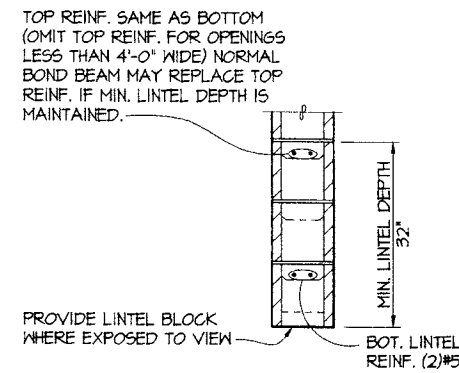
- SOLID GROUT ALL CELLS. LAY UP BLOCK IN RUNNING BOND PATTERN.
- TYPICAL WALL REINFORCEMENT SHALL BE #5 @ 24 O.C. VERT. & (2) #5 @ 48" O.C. HORIZ.
- HOOK ALL REINFORCING THAT CANNOT BE EXTENDED.
- TYP. REINF. SHOWN. PROVIDE ADDITIONAL REINF. WHERE NOTED ON PLANS OR DETAILS.
- PROVIDE (1) #4 MIN. AROUND OPENINGS GREATER THAN 2'-0" BUT LESS THAN 4'-0" IN EITHER DIRECTION. EXTEND 2'-0" BEYOND FACE OF OPENINGS.
- NO CONDUIT ALLOWED IN CELLS WITH REINFORCEMENT.
- PROVIDE BAR POSITIONERS FOR VERTICAL REINFORCEMENT AT FIRST COURSE ABOVE BOND BEAMS. SEE GENERAL NOTES FOR POSITIONER TYPE.



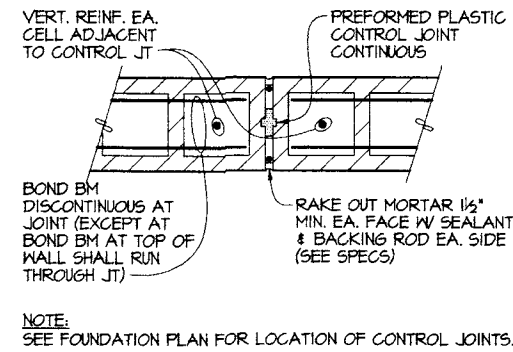
TYPICAL HOLLOW UNIT MASONRY WALL 2
NO SCALE
S4.0



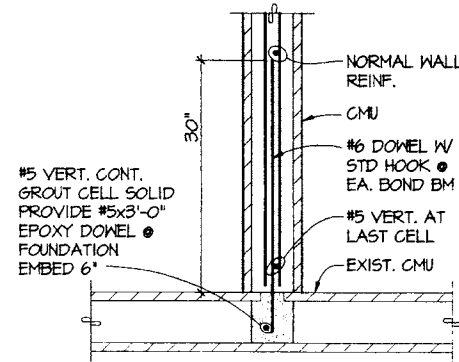
TYPICAL CMU WALL BOND BEAM DETAIL 3
NO SCALE
S4.0



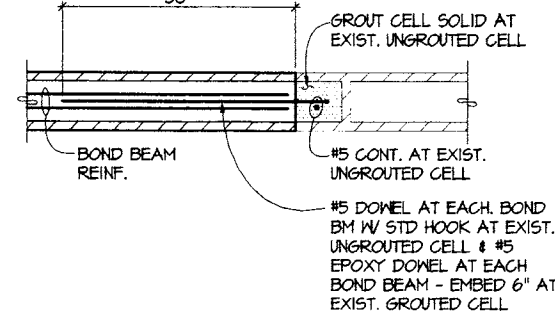
TYPICAL CMU WALL LINTEL DETAIL 4
NO SCALE
S4.0



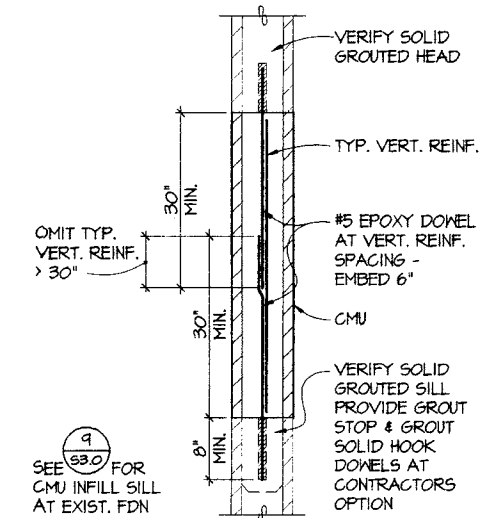
TYPICAL CMU WALL CONTROL JOINT PLAN DETAIL 5
NO SCALE
S4.0



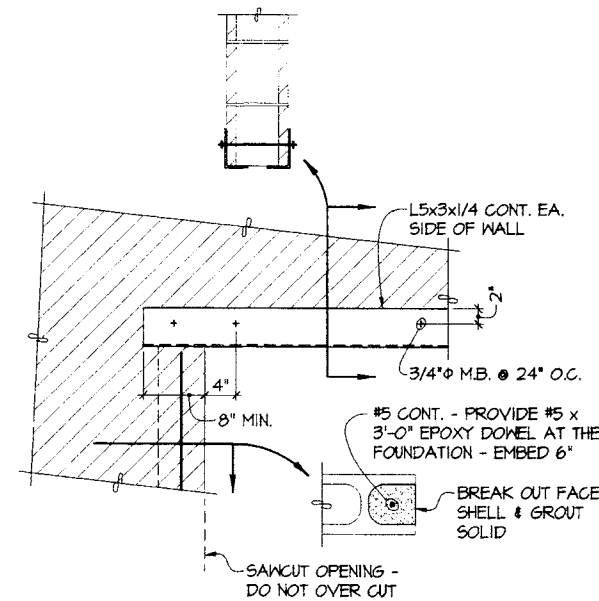
PLAN DETAIL 6
1"=1'-0"
S4.0



TYPICAL CMU INFILL JAMB AT EXIST. CMU PLAN DETAIL 7
1"=1'-0"
S4.0



TYPICAL CMU INFILL HEAD & SILL AT EXIST. CMU SECTION 8
1"=1'-0"
S4.0



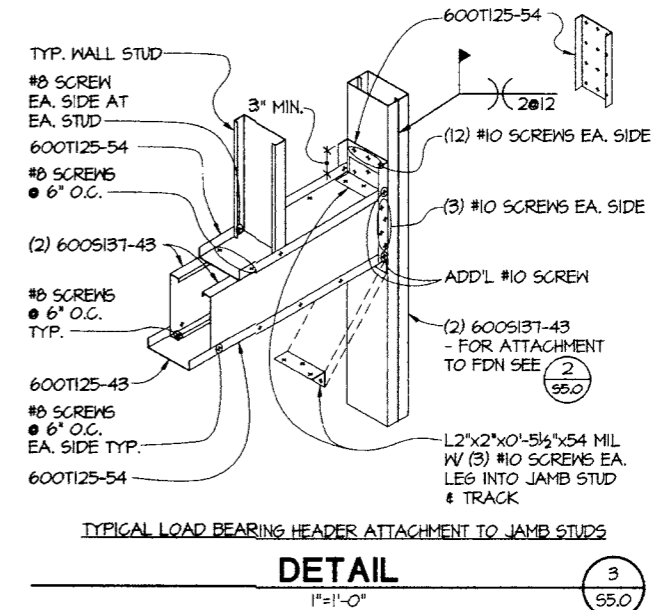
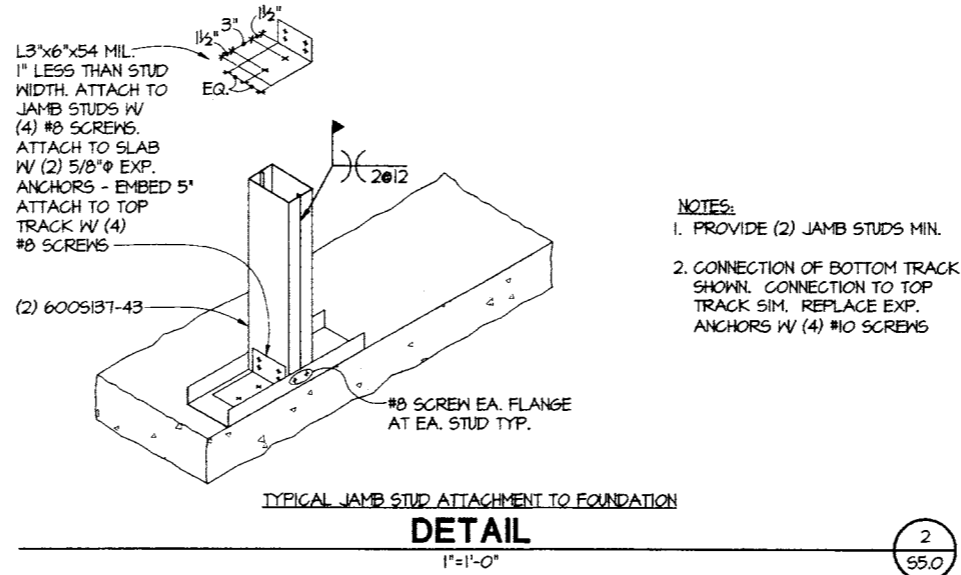
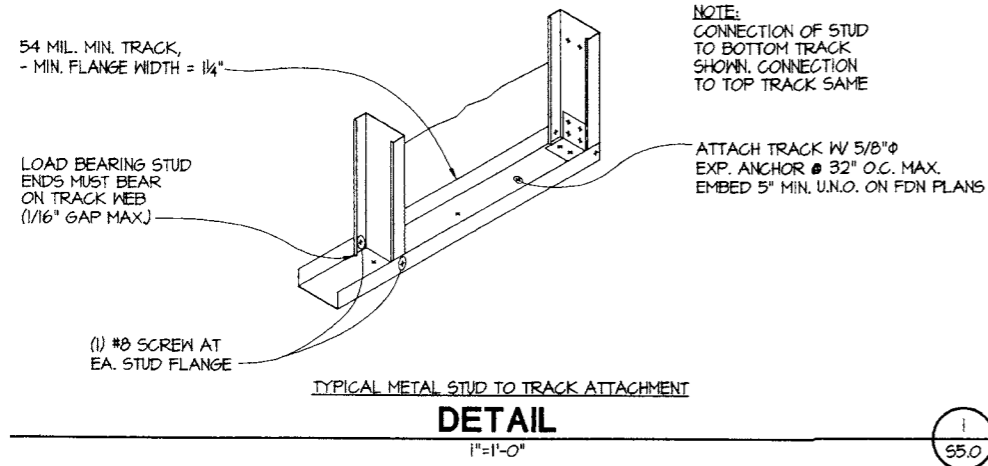
DETAIL 9
1"=1'-0"
S4.0

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
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KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883



ORIGINAL SHEET SIZE = 24 x 36
HALF SIZE REDUCTIONS = 18x17
DRAWN BY:
DATE: 11-01-04
SHEET NO.
S4.0
EXPIRES: 11/3/05



DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON

RE-BID

REVISIONS

KMB JUSTICE FACILITES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22 x 34"
HALF SIZE
REDUCTIONS = 1/8"

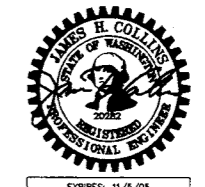
DRAWN BY:

DATE: 11-01-04

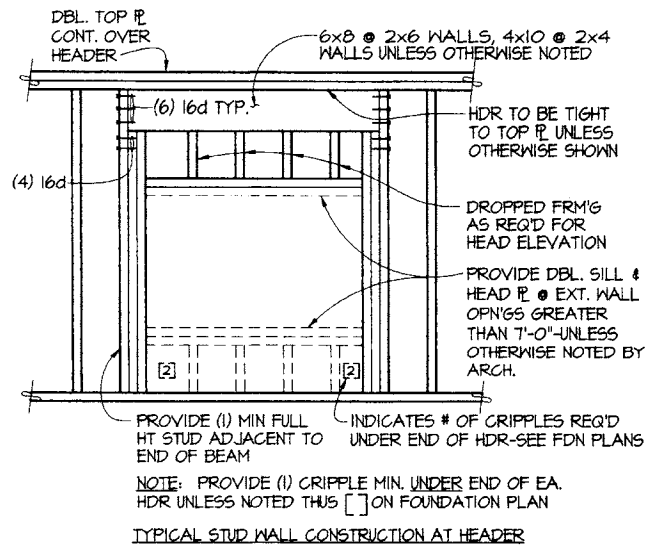
SHEET NO.

55.0

EXPIRES: 11/5/05



G:\2004 Jobs\4067 Secure Community Transition Facility\Dwg\4067s51.dwg Plotted: Oct 27, 2004 - 3:07pm By: RobertW



SECTION
NO SCALE

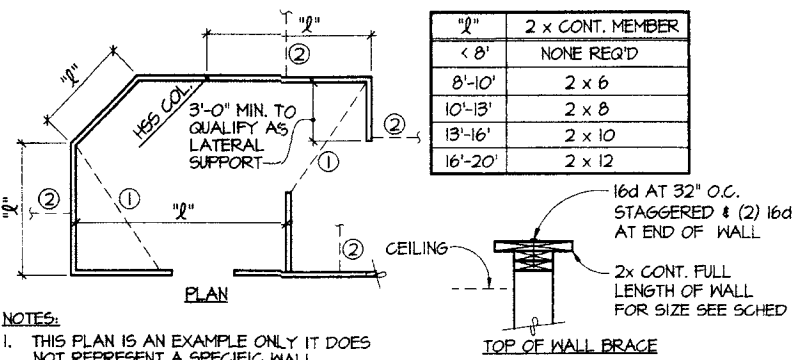
1
S5.1

STUD WALL SCHEDULE							
MARK	STUD SIZE & SPACING	# STUDS REQ'D AT JST BRG	WOOD SHEATHING REQUIRED	EDGE NAILING	FIELD NAILING	5/8" ANCHOR BOLT SPACING	ALLOWABLE SHEAR CAPACITY
A	2x4 @ 16"OC	(1) 2x4	---	---	---	---	---
B	2x6 @ 16"OC	---	1/2" SHT'G EA. SIDE	8d @ 4"OC	8d @ 12"OC	---	760#

- NOTES:
- △ INDICATES SPECIAL STRUCTURAL WALL TYPE - ALL WALLS ARE 2x6 AT 16" O.C. UNLESS DESIGNATED SPECIAL ON THE FOUNDATION PLAN.
 - ALL EXTERIOR WALLS AND ALL DESIGNATED SHEAR WALLS SHALL BE BLOCKED AT ALL SHEATHING EDGES, EDGE NAILING APPLIES TO ALL TOP AND BOTTOM PLATES, VERTICAL JOINTS, HORIZONTAL BLOCKED JOINTS, AND WALL CORNERS.

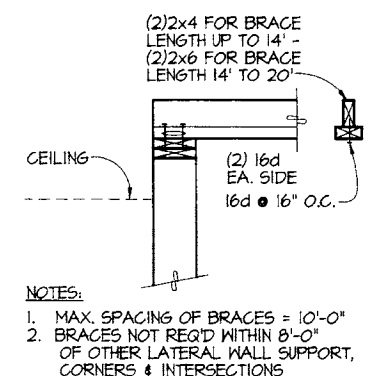
SCHEDULE
NO SCALE

2
S5.1



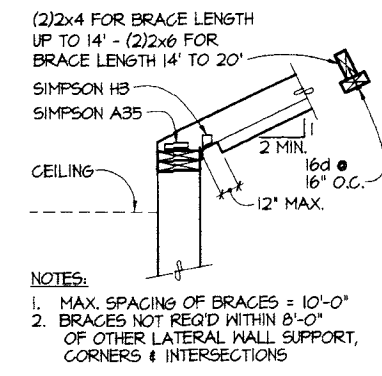
DETAIL
NO SCALE

3
S5.1



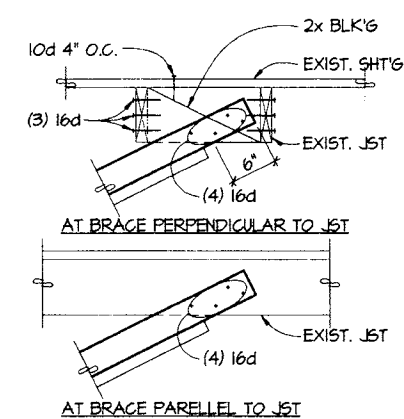
SECTION
NO SCALE

4
S5.1



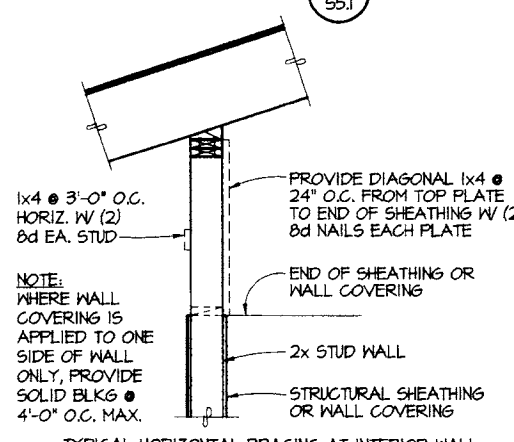
SECTION
NO SCALE

5
S5.1



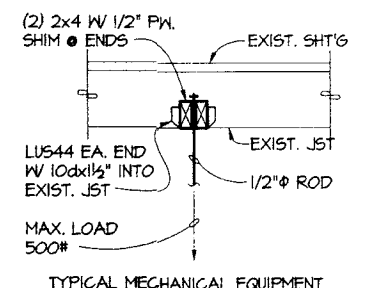
DETAILS
1"=1'-0"

6
S5.1



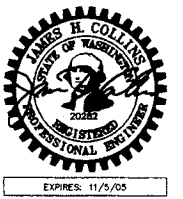
SECTION
NO SCALE

7
S5.1



DETAIL
1"=1'-0"

8
S5.1

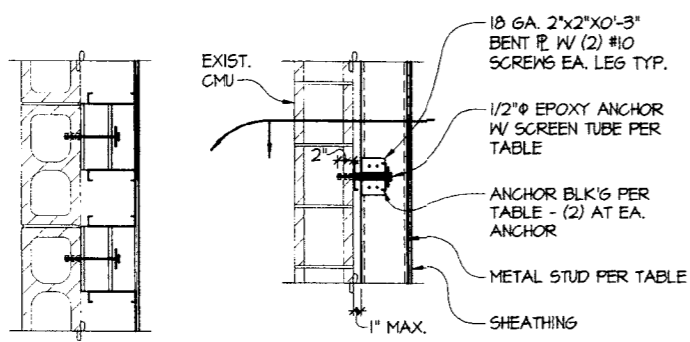


KMB JUSTICE FACILITIES GROUP
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ORIGINAL SHEET SIZE - 22 x 34
HALF SIZE REDUCTIONS - 157
DRAWN BY:
DATE 11-21-04
SHEET NO.
S5.1

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
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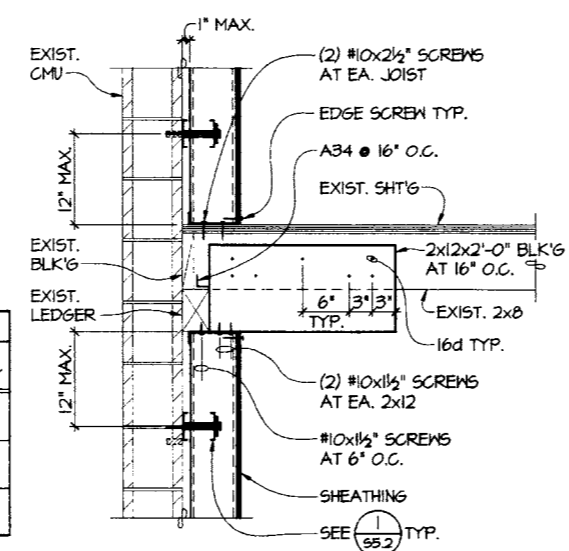
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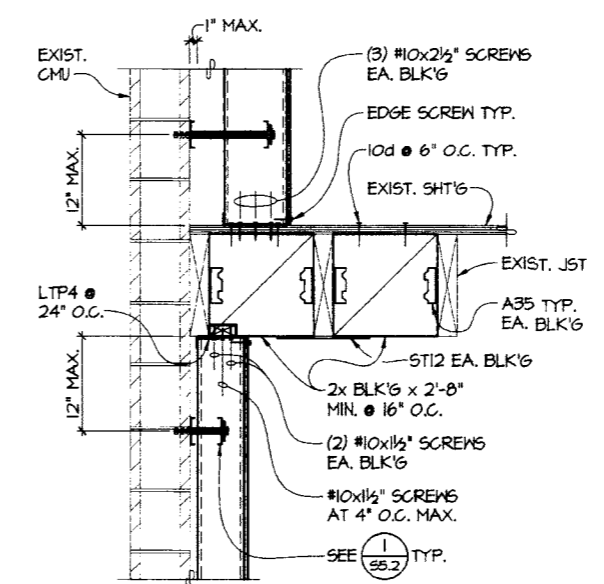
METAL STUD BACKUP WALL SCHEDULE									
MARK	STUD SIZE & SPACING	MAX. STUD HEIGHT	WOOD SHT'G REQUIRED	EDGE SCREWS	FIELD SCREWS	HORIZ. ANCHOR SPACING	VERT. ANCHOR SPACING	ANCHOR BLOCKING	ALLOWABLE SHEAR CAPACITY
1	600s162-43 @ 16" O.C.	11 FT.	1/2" SHT'G	#8 @ 6" O.C.	#8 @ 12" O.C.	32" O.C.	4'-0" O.C.	400s13T-43	780#
2	800s162-43 @ 16" O.C.	14 FT.	1/2" SHT'G	#8 @ 6" O.C.	#8 @ 12" O.C.	32" O.C.	4'-0" O.C.	1000s162-43	780#
3	800s162-43 @ 12" O.C.	16.5 FT.	1/2" SHT'G	#8 @ 6" O.C.	#8 @ 12" O.C.	24" O.C.	4'-0" O.C.	1000s162-43	780#

NOTE:
1. ALL WALLS WITH SHEATHING SHALL BE BLOCKED AT ALL SHEATHING EDGES WITH 18 GA. STUD BLOCKING. EDGE SCREWS APPLIES TO ALL TOP & BOTTOM TRACKS, VERTICAL JOINTS, HORIZONTAL BLOCKED JOINTS, AND WALL CORNERS.

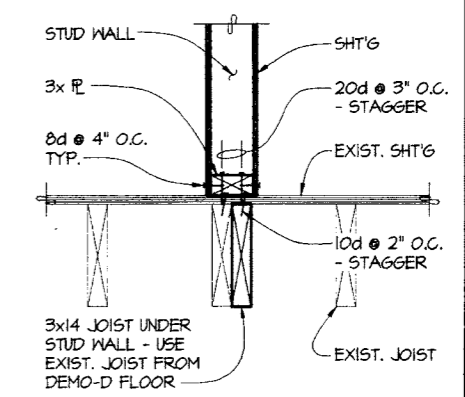
TYPICAL METAL STUD BACKUP WALL
DETAIL
1"=1'-0" 1/55.2



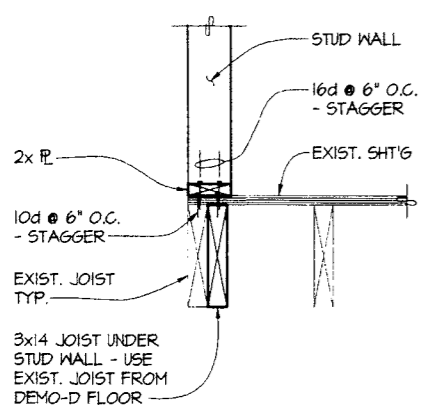
TYPICAL METAL STUD WALL AT UPPER FLOOR WITH JOIST PERPENDICULAR TO WALL
SECTION
1"=1'-0" 2/55.2



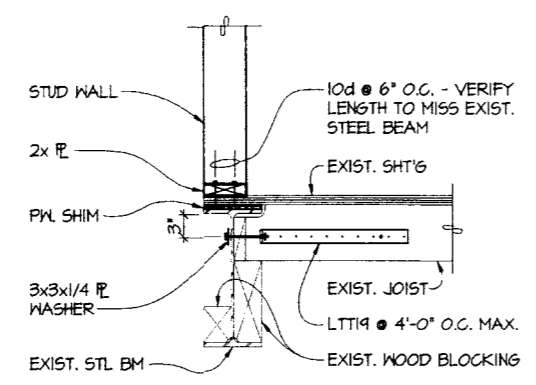
TYPICAL METAL STUD WALL AT UPPER FLOOR WITH JOIST PARALLEL TO WALL
SECTION
1"=1'-0" 3/55.2



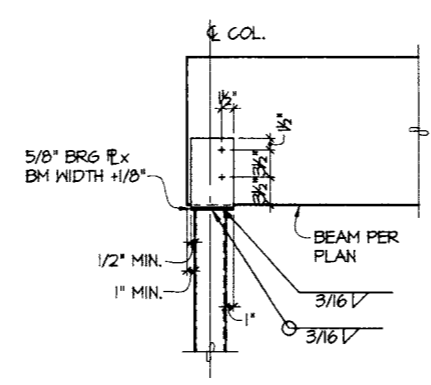
SECTION
1"=1'-0" 4/55.2



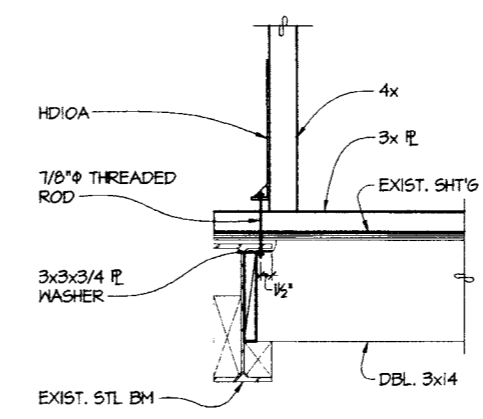
SECTION
1"=1'-0" 5/55.2



SECTION
1"=1'-0" 6/55.2



TYPICAL SINGLE BEAM TO COLUMN CONNECTION
SECTION
NO SCALE 7/55.2



SECTION
1"=1'-0" 8/55.2

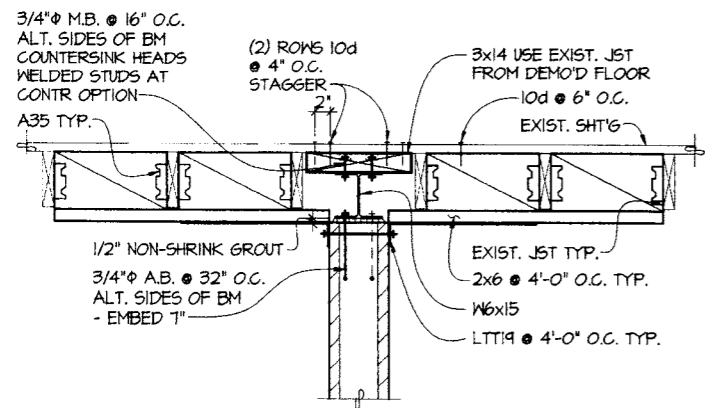
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID

KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883



ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 11x7
DRAWN BY:
DATE: 11-01-04
SHEET NO.
55.2

G:\2004 Jobs\4067 Secure Community Transition Facility\Drawings\4067s53.dwg Plotted: Oct 27, 2004 - 3:08pm By: RobertW

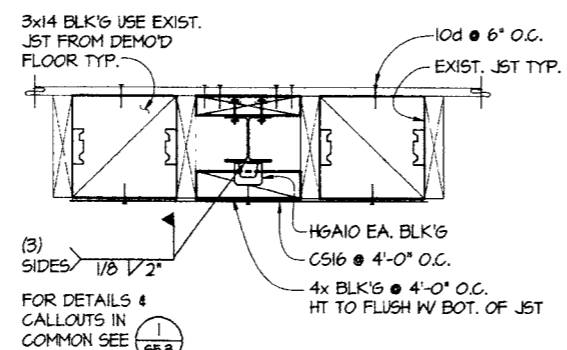


TYPICAL COLLECTOR AT 2x8 JOIST WITH CMU WALL BELOW

SECTION

1"=1'-0"

1
55.3

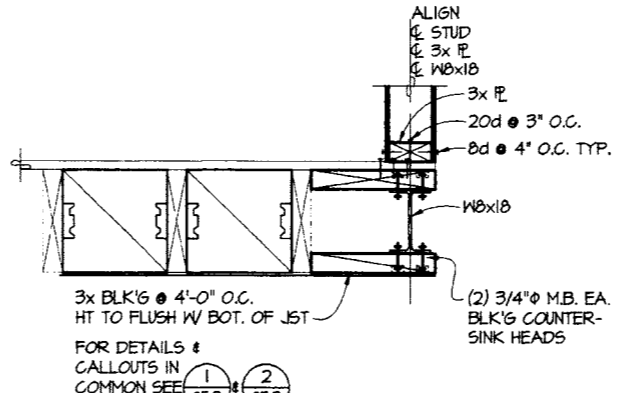


TYPICAL COLLECTOR AT 3x14 JOIST

SECTION

1"=1'-0"

2
55.3

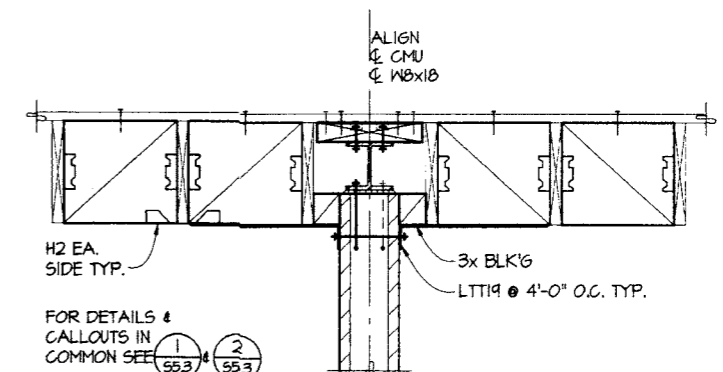


TYPICAL COLLECTOR AT 3x14 JOIST WITH WOOD SHEAR WALL ABOVE

SECTION

1"=1'-0"

3
55.3

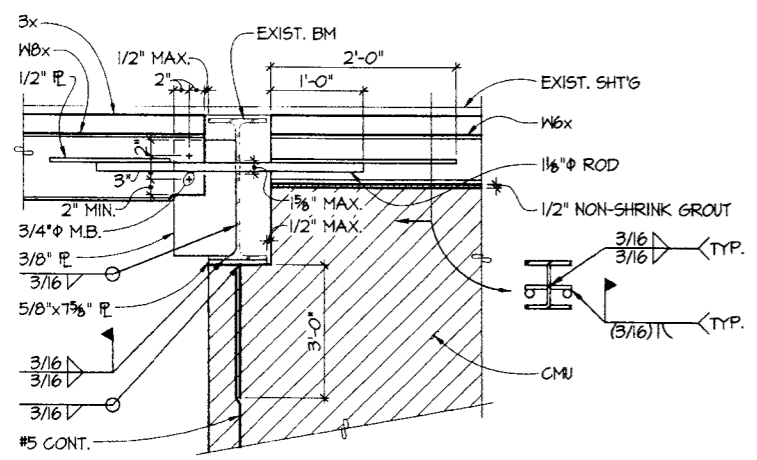


TYPICAL COLLECTOR AT 3x14 JOIST WITH CMU WALL BELOW

SECTION

1"=1'-0"

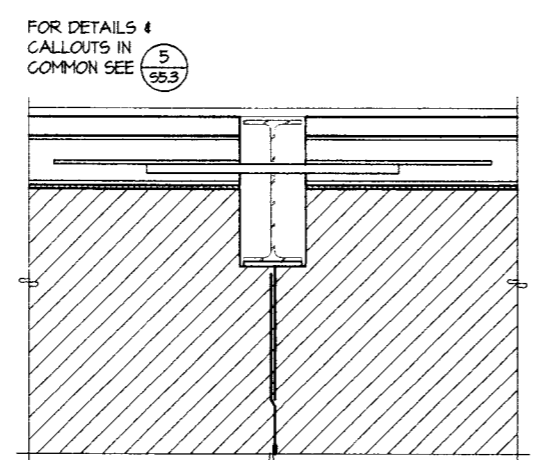
4
55.3



DETAIL

1"=1'-0"

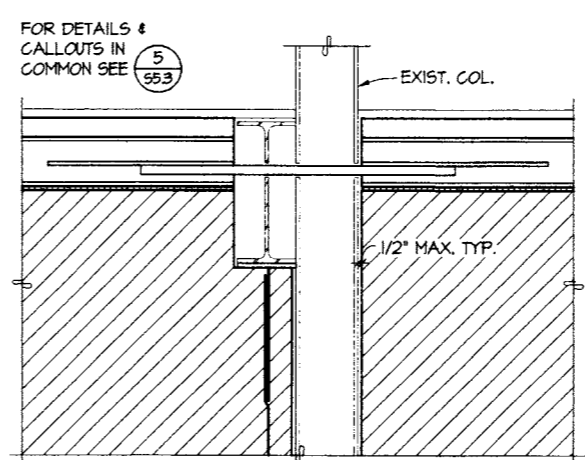
5
55.3



DETAIL

1"=1'-0"

6
55.3



DETAIL

1"=1'-0"

7
55.3



EXPIRES: 11/5/05

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON

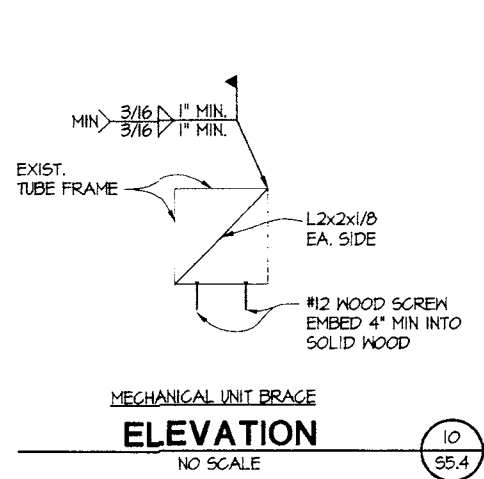
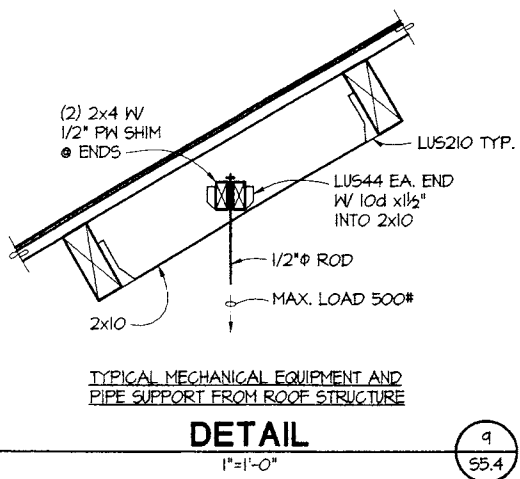
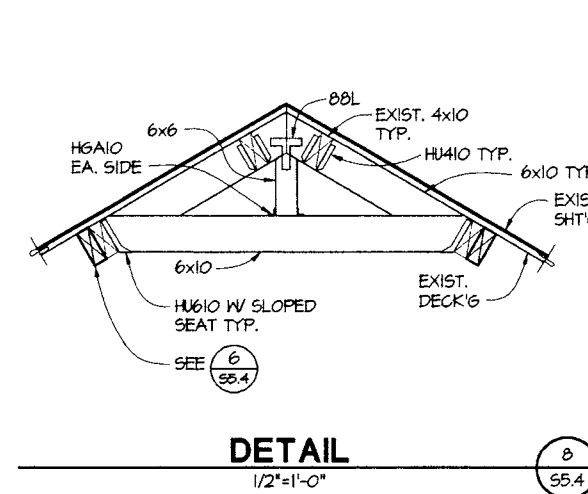
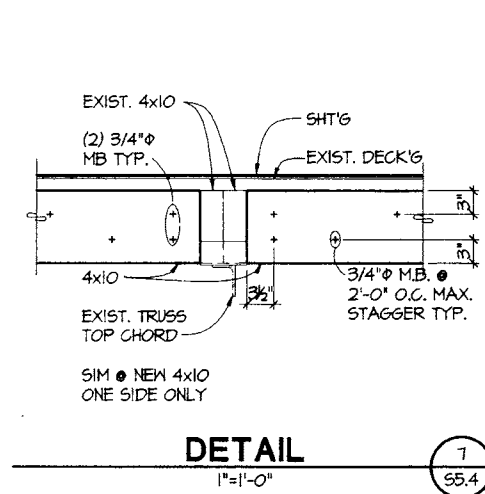
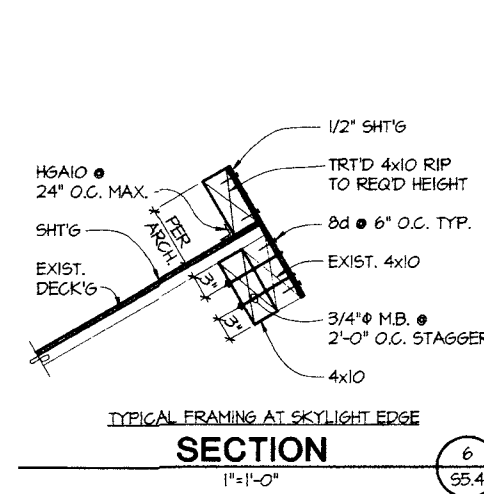
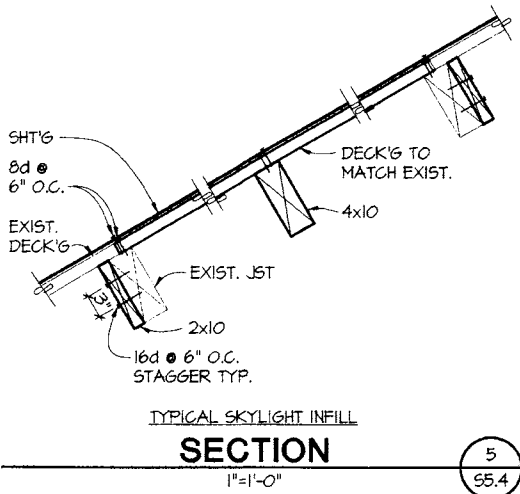
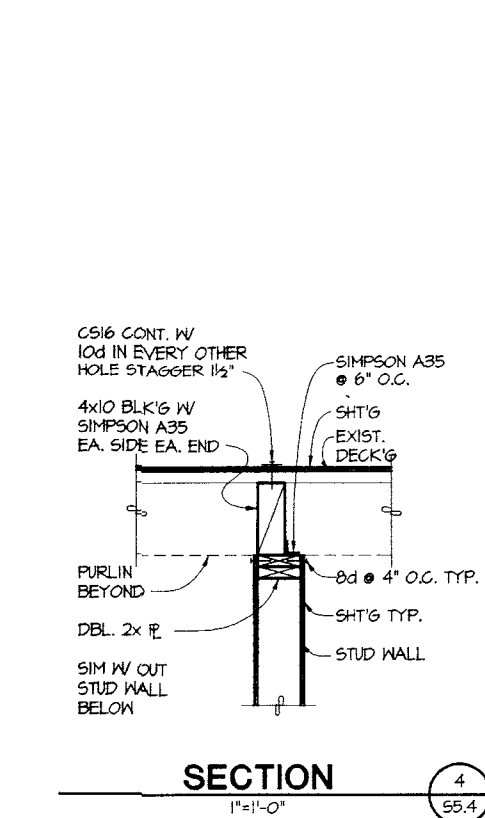
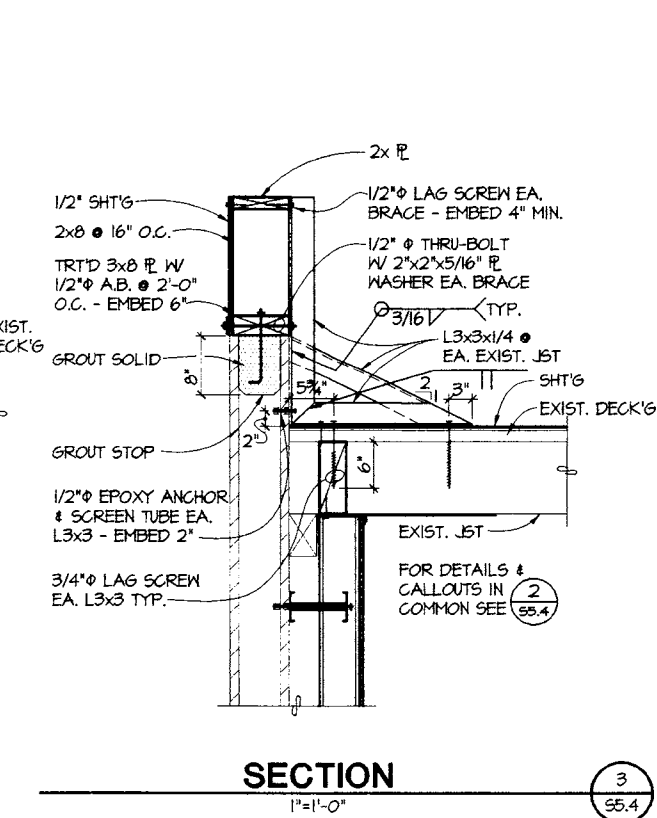
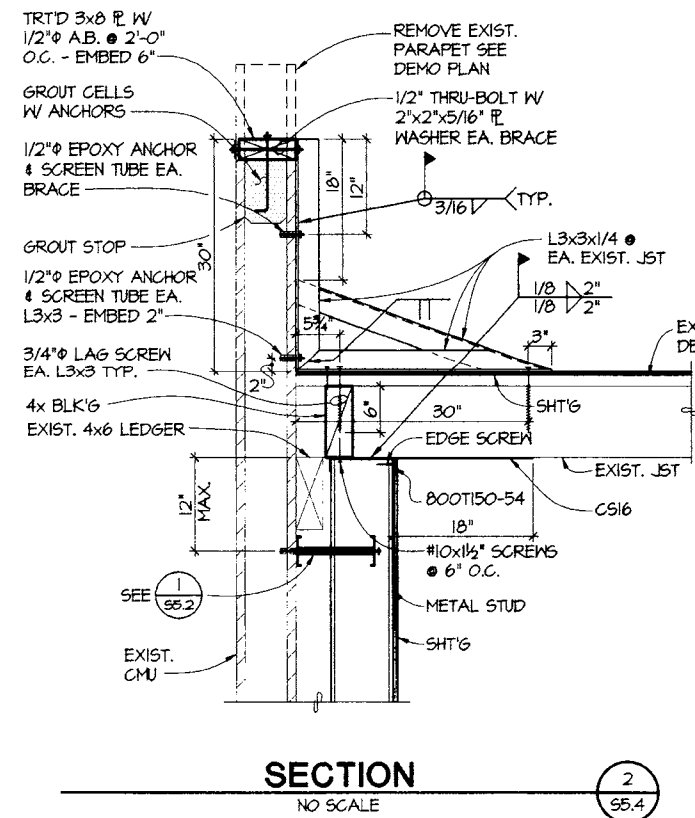
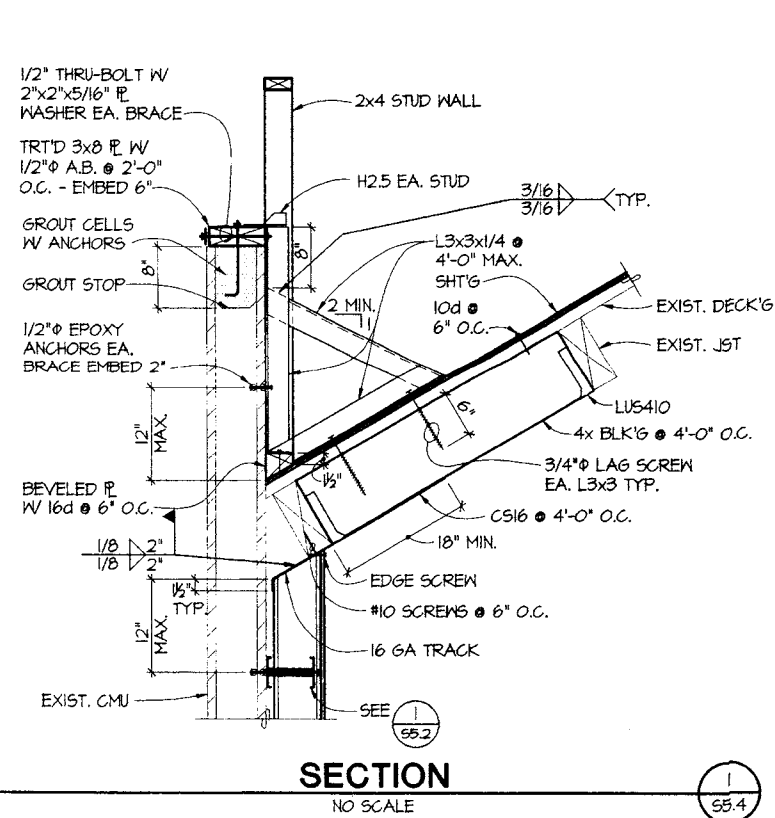
RE-BID

REVISION

KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET SIZE = 22 x 34
HALF SIZE REDUCTIONS = 18x7
DRAWN BY:
DATE 11-01-04
SHEET NO.
55.3

C:\2004 Jobs\4067 Secure Community Transition Facility\Dwg\4067s54.dwg Plotted: Oct 28, 2004 - 3:10pm By: mikes



**DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON**

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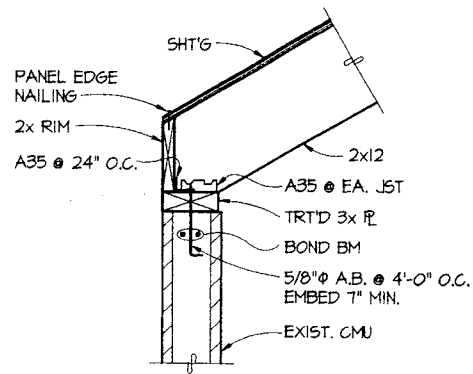
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1x17

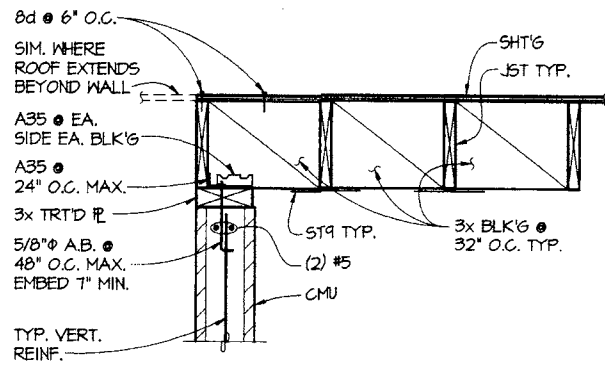
DRAWN BY:
DATE: 11-01-04
SHEET NO.
S5.4

EXPIRES: 11/5/05

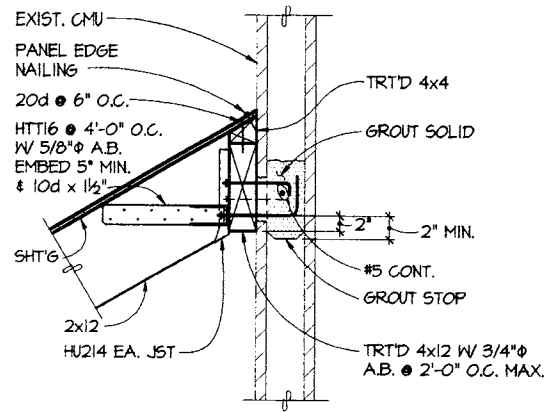




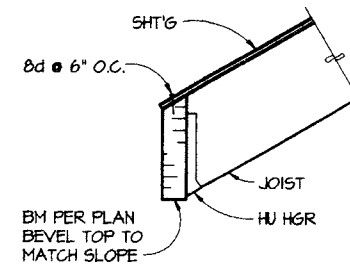
SECTION 1
1"=1'-0" S5.5



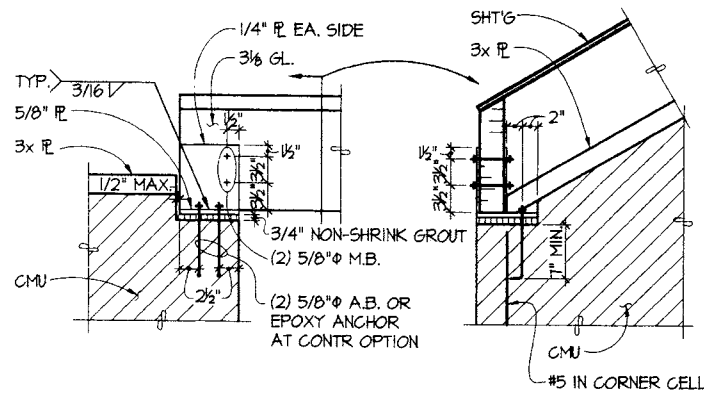
SECTION 2
1"=1'-0" S5.5



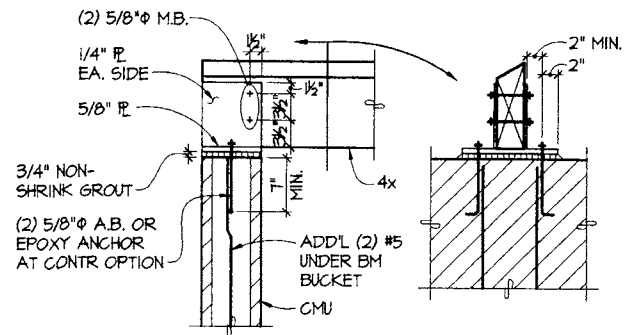
SECTION 3
1"=1'-0" S5.5



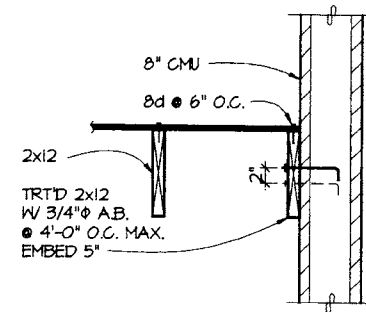
SECTION 4
1"=1'-0" S5.5



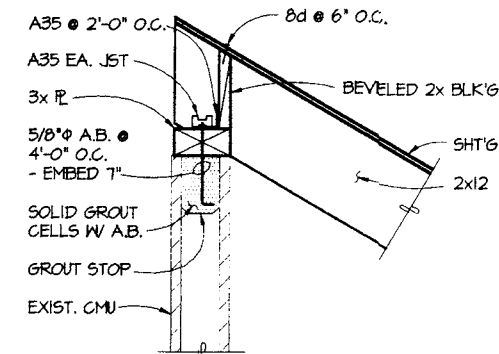
DETAIL 5
1"=1'-0" S5.5



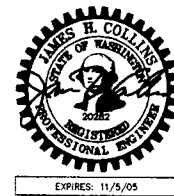
DETAIL 6
1"=1'-0" S5.5



SECTION 7
1"=1'-0" S5.5



SECTION 8
1"=1'-0" S5.5



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132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON

KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 24 x 36
 HALF SIZE
 REDUCTIONS = 1/4"

DRAWN BY:
 DATE: 11-01-04
 SHEET NO.:

S5.5

EXPIRES: 11/5/05

MECHANICAL GENERAL NOTES

- VERIFY LOCATION OF PLUMBING FIXTURES WITH ARCH. DRAWINGS BEFORE BEGINNING WORK. ARCH. DWGS. GOVERN.
- PLUMBING FIXTURE HEIGHTS SHALL BE AS SHOWN ON ARCH. DRAWINGS.
- ALL DUCT WALL PENETRATIONS THRU HVAC EQUIP ROOM WALLS & CEILINGS SHALL BE PROVIDED WITH CLOSURE COLLARS AND BE TIGHTLY SEALED TO PREVENT THE TRANSMISSION OF NOISE.
- FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 8 FEET, AND MAY ONLY BE USED WHERE SPECIFICALLY SHOWN ON THE PLANS.
- CONTRACTOR SHALL CAREFULLY COORDINATE WORK W/ ALL OTHER TRADES, ESPECIALLY IN CEILING SPACES WHERE SPACE IS TIGHT. SHEET METAL CONTRACTOR SHALL HAVE PRIORITY OVER OTHER MECHANICAL TRADES IN CEILING SPACE WHERE CONFLICTS OCCUR.
- ALL PIPING & DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE & SELECT FINAL LOCATIONS OF ALL AIR INLETS/OUTLETS. SHIFT AIR INLETS/OUTLETS FROM LOCATIONS SHOWN AS REQ'D TO AVOID CONFLICTS W/ STRUCTURE, LIGHTS, & OTHER ITEMS. SUCH SHIFTS SHALL MAINTAIN SYMMETRY OF AIR TERMINALS & SHALL HAVE PRIOR APPROVAL OF ARCHITECT/ENGINEER.
- PROVIDE PRIMARY CONDENSATE DRAINS FOR ALL AHU UNITS IN ACCORDANCE WITH UMC REQUIREMENTS & AS SHOWN ON PLANS.
- MECHANICAL EQUIPMENT 1/2 HP AND LESS SHALL HAVE ANY REQUIRED STARTER/CONTROL RELAY PROVIDED BY SECTION 15900 (EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED OTHERWISE).

ENERGY CODE REQUIREMENTS

- THERMOSTAT/TIME CLOCK CONTROL SHALL BE PROVIDED BY CONVENTIONAL 7-DAY PROGRAMMABLE CONTROL SYSTEM. SYSTEM SHALL PROVIDE 365 DAY CONTROL OF EQUIPMENT (SEE SPEC SEC 15900).
- MOTORS 1 HP & LARGER SHALL BE ENERGY EFFICIENT TYPE, IN ACCORDANCE W/ CODE.
- DUCTWORK SHALL BE SEALED IN ACCORDANCE W/ CODE, & PER SPECIFICATION REQUIREMENTS (SEE SPEC SECTION 15840).
- DUCT INSULATION R-VALUE SHALL BE IN ACCORDANCE W/ CODE, & PER SPECIFICATION REQUIREMENTS (SEE SPEC SECTION 15840).
- PIPE INSULATION R-VALUE SHALL BE IN ACCORDANCE W/ CODE, & PER SPECIFICATION REQUIREMENTS (SEE SPEC SECTION 15250).

AIR OUTLET SCHEDULE

SYMBOL	TYPE	MANUFACTURER AND SERIES NUMBER	REMARKS
CD	CEILING DIFFUSER	KRUEGER SERIES 1240	MODULAR CORE, SQUARE NECK
CSR	CEILING REGISTER	KRUEGER SERIES 4880H	DOUBLE DEFLECTION, INTEGRAL FACE OPERABLE DAMPER
WL	WALL LOUVER	RUSKIN ELF 375D	4" DEEP W/ BIRDSCREEN
WSR	WALL SUPPLY REGISTER	KRUEGER SERIES 5880H	DOUBLE DEFLECTION, HORIZ. FACE BARS, VERT. REAR BARS 3/4" O.C.
RG	RETURN GRILLE	KRUEGER S80H	3/4" SPACING, 35 DEG DEFLECTION
RVR	ROOF VENT RELIEF	GREENHECK WRH	WITH CURB, BDD
RVI	ROOF VENT INTAKE	GREENHECK WIH	WITH CURB
CEG	EXHAUST GRILLE	KRUEGER S80H	3/4" SPACING, 35 DEG DEFLECTION
TG	TRANSFER GRILLE	KRUEGER S80H	3/4" SPACING, 35 DEG DEFLECTION

NOTES:

- CEILING DIFFUSERS (CD) SHALL HAVE NUMBER AND DIRECTION OF THROWS AS INDICATED ON PLANS. (E.G. CD-3 = 3-WAY THROW).
- ALL AIR TERMINALS SHALL HAVE FACTORY FINISH, COLOR AS SELECTED BY ARCHITECT.
- SEE LEGEND FOR TERMINOLOGY USED IN AIR TERMINAL CALL OUTS ON DRAWINGS.
- SEE ARCHITECTURAL FINISH SCHEDULE FOR CEILING TYPES. PROVIDE AIR TERMINALS TO MATCH CEILING CONSTRUCTION INSTALLED IN.
- THROAT SIZE OF RVR & RVI SHALL MATCH CONNECTIONS DUCT SIZE INDICATED ON PLANS.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	V	CW	HW	REMARKS
P-1A	WATER CLOSET	4"	2"	1"	-	FLOOR MOUNT HANDICAP ACCESSIBLE
P-3A	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER MOUNT HANDICAP ACCESSIBLE
P-5A	S.S. TRIPLE COMPT.	2"	1-1/2"	1/2"	1/2"	
P-5B	SINGLE SS SINK	2"	1-1/2"	1/2"	1/2"	
P-5C	SINK	2"	1-1/2"	1/2"	1/2"	
P-6A	SERVICE SINK	3"	2"	3/4"	3/4"	FLOOR MOUNT
P-6C	LAUNDRY SINK	2"	1-1/2"	3/4"	3/4"	FLOOR MOUNT
P-7B	REFRIGERATOR BOX	-	-	1/2"	-	FOR ICE MAKER
P-9A	SHOWER ADA TILE	2"	1-1/2"	1/2"	1/2"	W/ PRESSURE BALANCING VALVE
P-9B	SHOWER FIBER GLASS	2"	1-1/2"	1/2"	1/2"	W/ PRESSURE BALANCING VALVE, SHOWER CURTAIN
P-10A	WALL HYDRANT	-	-	3/4"	-	FREEZE PROOF
P-11A	FLOOR DRAIN	SIZES AS NOTED ON PLANS				W/ TRAP PRIMER
P-11C	FLOOR RECEPTOR	SIZES AS NOTED ON PLANS				W/ TRAP PRIMER
P-12A	WASHER CONN.	2"	1-1/2"	1/2"	1/2"	

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	ABBREV.	DESCRIPTION
---	WASTE OR SOIL (W)	AFF	ABOVE FINISHED FLOOR
----	VENT (V)	APPROX	APPROXIMATELY
----	COLD WATER (CW)	ARCH	ARCHITECTURAL
----	HOT WATER (HW)	BDD	BACK DRAFT DAMPER
----	HOT WATER CIRCULATING (HWC)	BTU	BRITISH THERMAL UNIT
----	LOW PRESSURE GAS	BTUH	BRITISH THERMAL UNIT/HOUR
----	RAIN LEADER (RL)	BLDG	BUILDING
----	REFRIGERANT SUCTION	CAP	CAPACITY
----	REFRIGERANT LIQUID	CLG	CEILING
----	ISOLATION VALVE	CO	Coefficient of Performance
----	COMBINATION SHUT-OFF & BALANCING VALVE	COMP	COMPRESSOR
----	CHECK VALVE	CONN	CONNECTION
----	UNION	CONT	CONTINUE, CONTINUATION
----	FLOOR CLEANOUT (FCO)	CFH	CUBIC FEET PER HOUR
----	HOSE BIBB	CFM	CUBIC FEET PER MINUTE
----	PIPE UP	CW	COLD WATER
----	PIPE DOWN	DEG F	DEGREE FAHRENHEIT
----	PIPE TEE FROM BELOW	DIA, Ø	DIAMETER
----	COMBINATION SMOKE/FIRE DAMPER	DN	DOWN
----	RELIEF VALVE OR SAFETY VALVE	DWG	DRAWING
----	STRAINER	DB	DRY BULB
----	PRESSURE GAUGE	EA	EACH
----	THERMOMETER	EFF	EFFICIENCY
20/12	DUCT (FIRST FIGURE, SIDE SHOWN)	EAT	ENTERING AIR TEMPERATURE
20/12L	DUCT SECTION (SUPPLY)	EWB	ENTERING WET BULB
20/12L	LINED DUCT (DIM. FOR NET FREE AREA)	EDB	ENTERING DRY BULB
20/12L	DUCT SECTION (EXHAUST OR RETURN)	EXH	EXHAUST
20/12L	ROUND DUCT	EXIST	EXISTING
20/12L	VOLUME DAMPER (MANUAL)	ESP	EXTERNAL STATIC PRESSURE
20/12L	FLEXIBLE CONNECTION	FV	FACE VELOCITY
20/12L	FLEXIBLE DUCT	FPM	FEET PER MINUTE
20/12L	ELBOW WITH TURNING VANES	FLEX	FLEXIBLE
20/12L	CEILING OUTLET	FL	FLOOR
20/12L	CEILING INLET	FCO	FLOOR CLEAN OUT
20/12L	WALL OUTLET (OR INLET)	FLA	FULL LOAD AMPS
20/12L	THERMOSTAT	HP	HORSE POWER
20/12L	SWITCH	HW	HOT WATER
20/12L	DETAIL IDENTIFICATION NUMBER	KW	KILOWATT
20/12L	SECTION IDENTIFICATION LETTER	LAT	LEAVING AIR TEMPERATURE
20/12L		LDB	LEAVING DRY BULB
20/12L		MFR	MANUFACTURER
20/12L		MAX	MAXIMUM
20/12L		MBH	THOUSAND BTUH
20/12L		MIN	MINIMUM
20/12L		MCA	MINIMUM CIRCUIT AMPS
20/12L		NO.	NUMBER
20/12L		NTS	NOT TO SCALE
20/12L		OBD	OPPOSED BLADE DAMPER
20/12L		OA	OUTSIDE AIR
20/12L		PH	PHASE
20/12L		RLA	RATED LOAD AMPS
20/12L		REF	REFERENCE
20/12L		REQ'D	REQUIRED
20/12L		RA	RETURN AIR
20/12L		RPM	REVOLUTIONS PER MINUTE
20/12L		SA	SUPPLY AIR
20/12L		S.O.	SCREENED OPENING
20/12L		TSTAT	THERMOSTAT
20/12L		TYP	TYPICAL
20/12L		VTR	VENT THROUGH ROOF
20/12L		V	VOLTS, VOLTAGE, VENT
20/12L		WCO	WALL CLEAN OUT
20/12L		WA	WASTE
20/12L		WB	WATT
20/12L		W/	WET BULB
20/12L		W/	WITH

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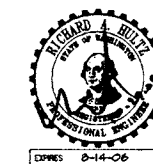
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828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE - 22 x 34
HALF SIZE
REDUCTIONS - 1:17

DRAWN BY
KMB DESIGN TEAM
DATE
11-01-04

SHEET NO.

MO.1



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EX-106 8-14-06

FAN SCHEDULE													
SYMBOL	SPECIFIED MANUFACTURER AND MODEL NUMBER	TYPE	AREA SERVED	CFM	ESP	RPM	WHEEL DIA.	ELECTRICAL		DRIVE	CONTROL	WEIGHT LBS	REMARKS
								HP	V/PH				
EF-1	GREENHECK GB-081-4	ROOF MUSHRM	TOILET/ LAUNDRY	410	.37"	1300	-	1/4	115/1	BELT	TIME CLOCK	96	PROVIDE WITH BACKDRAFT DAMPER & SLOPED ROOF CURB
EF-2	GREENHECK GB-081-4	ROOF MUSHRM	TOILET/ TRAINING	390	.37"	1250	-	1/4	115/1	BELT	TIME CLOCK	96	PROVIDE WITH BACKDRAFT DAMPER & SLOPED ROOF CURB
EF-3	GREENHECK GB-081-4	ROOF MUSHRM	TOILET/ KITCHEN	520	.37"	1350	-	1/4	115/1	BELT	TIME CLOCK	96	PROVIDE WITH BACKDRAFT DAMPER & SLOPED ROOF CURB
EF-4	GREENHECK G-095-G	ROOF EXHAUST	ELECT RM	640	.25"	1300	-	1/12	115/1	DIRECT	TSTAT	26	PROVIDE WITH BDD, MFR LINE VOLTAGE TSTAT, MFR SLOPED ROOF CURB, INLET SCREEN, SPEED CONTROL
RH-1	BROAN 89000	RANGE HOOD	KITCHEN	440	.375"	--		1/12	115/1	DIRECT	SWITCH	20	PROVIDE WITH BDD, ROOF DISCHARGE JACK

NOTE: PROVIDE ALL DIRECT DRIVE FANS W/ SPEED CONTROL.

HEAT PUMP SCHEDULE - SPLIT SYSTEM TYPE																											
SYMBOL	SPECIFIED MANUFACTURER AND MODEL NUMBER	AREA SERVED	COOLING CAP. *			HEATING CAP. **			INDOOR UNIT ***							OUTDOOR UNIT ***							MAX. OUTDOOR UNIT WEIGHT	MAX. INDOOR UNIT WEIGHT	FILTER TYPE	REMARKS	
			TOTAL MBH	SENS. MBH	SEER	MBH	COP	FAN				HEATER			TOTAL ELECTRIC.		COMPRESSOR		FAN			ELECTRICAL					
								CFM	ESP	MIN. OA	HP	VOLTS/PH	KW	STAGES	MCA(1)	VOLTS/PH	QTY	RLA (EA)	QTY	HP	MCA	VOLTS/PH					
HP-1A HP-1B	TRANE TWAD90-A3 TRANE TWE090B3	NORTH HOUSING	89	--	10.1	87	3.3	3040	0.9"	600	1.5	208/3	26.2	2	97	208/3	1	26	1	3.1	35.6	208/3	427 LBS.	610 LBS.	30% EFF/2"	PROVIDE W/ FACTORY DEFROST CONTROLS, 7 DAY TSTAT/ CONTROLLER, FACTORY ECONOMIZER / CONTROLS	
HP-2A HP-2B	TRANE TWAD90-A3 TRANE TWE090B3	SOUTH ADMIN	89	--	10.1	87	3.3	3000	0.9"	600	1.5	208/3	26.2	2	97	208/3	1	26	1	3.1	35.6	208/3	427 LBS.	610 LBS.	30% EFF/2"	PROVIDE W/ FACTORY DEFROST CONTROLS, 7 DAY TSTAT/ CONTROLLER, FACTORY ECONOMIZER / CONTROLS	

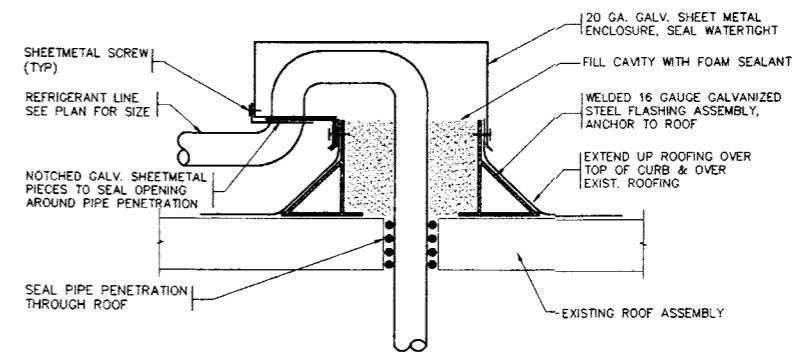
* COOLING CAPACITY IS ARI RATING: AT 80° F DB; 67° F WB INDOOR COIL EAT AND 95° F OUTDOOR COIL EAT. ** HEATING CAPACITY IS ARI HI-TEMP RATING: AT 70° F DB INDOOR EAT AND 47° F DB; 43° F WB OUTDOOR COIL EAT. *** ON PLANS "A" DESIGNATES INDOOR UNIT, "B" DESIGNATES OUTDOOR UNIT. (e.g. HP-1B IS HP-1 OUTDOOR UNIT) (1) INCLUDES ELECTRIC COIL & INDOOR FAN MOTOR SINGLE POINT CONNECTION

MISCELLANEOUS EQUIPMENT SCHEDULE							
SYMBOL	ITEM DESCRIPTION	SPECIFIED MFR AND MODEL NO.	AREA SERVED	EQUIPMENT CAPACITY	ELECTRICAL		REMARKS
					POWER	VOLTS/PH	
EH-1	ELECTRIC HEATER	Q-MARK CWH 3204	SALLYPORT	1500 WATT	1500 WATT	208/1	SEE PLANS FOR RECESSED MOUNT W/ INTERNAL TSTAT
EH-2	ELECTRIC HEATER	Q-MARK CWH 3204	VEST	1500 WATT	1500 WATT	208/1	SEE PLANS FOR RECESSED MOUNT W/ INTERNAL TSTAT
EH-3	ELECTRIC HEATER	Q-MARK CWH 3204	STORAGE	1500 WATT	1500 WATT	208/1	SEE PLANS FOR SURFACE MOUNT W/ INTERNAL TSTAT
EH-4	ELECTRIC HEATER	Q-MARK EFF 2004	MECH ROOM	1500 WATT	1500 WATT	208/1	CEILING MOUNTED W/ INTERNAL TSTAT, PROVIDE WITH MOUNT TYPE TO MATCH CONSTRUCTION
EH-5	ELECTRIC HEATER	Q-MARK CWH 3204	ENTRY	1500 WATT	1500 WATT	208/1	SEE PLANS FOR SURFACE MOUNT W/ INTERNAL TSTAT
EH-6	ELECTRIC HEATER	Q-MARK CWH 3204	VEST	1500 WATT	1500 WATT	208/1	SEE PLANS FOR SURFACE/ RECESSED MOUNT W/ INTERNAL TSTAT

NOTE: VERIFY BUILDING CONSTRUCTION AND PROPER MOUNTING TYPES FOR UNITS PRIOR TO ORDERING

WATER HEATER SCHEDULE											
SYMBOL	SPECIFIED MANUFACTURER AND SERIES NO.	TYPE	AREA SERVED	INPUT RATING	STORAGE (GAL)	DOMESTIC HW			ELECTRICAL		REMARKS
						GPH	EWT	LWT	FLA	VOLTS/PH	
WH-1	A.O. SMITH BTR 199	TANK TYPE GAS	DOMESTIC 120" HW	199 MBH	81 GAL	461	50	120	0.7	120/1	W/ 12 GALLON ASME POTABLE EXPANSION TANK ET-1

PUMP SCHEDULE									
SYMBOL	SPECIFIED MANUFACTURER AND SERIES NO.	TYPE	SERVICE	GPM	HEAD FT. H2O	ELECTRICAL		REMARKS	
						MIN. HP	VOLTS/PH		
CP-1	BELL & GOSSET SERIES PL	DOMESTIC CIRCULATOR	DOMESTIC HW MAIN BLDG(120')	15	18	1/6	115/1	ALL BRONZE	



REFRIGERANT PIPING 1
NTS MO.2



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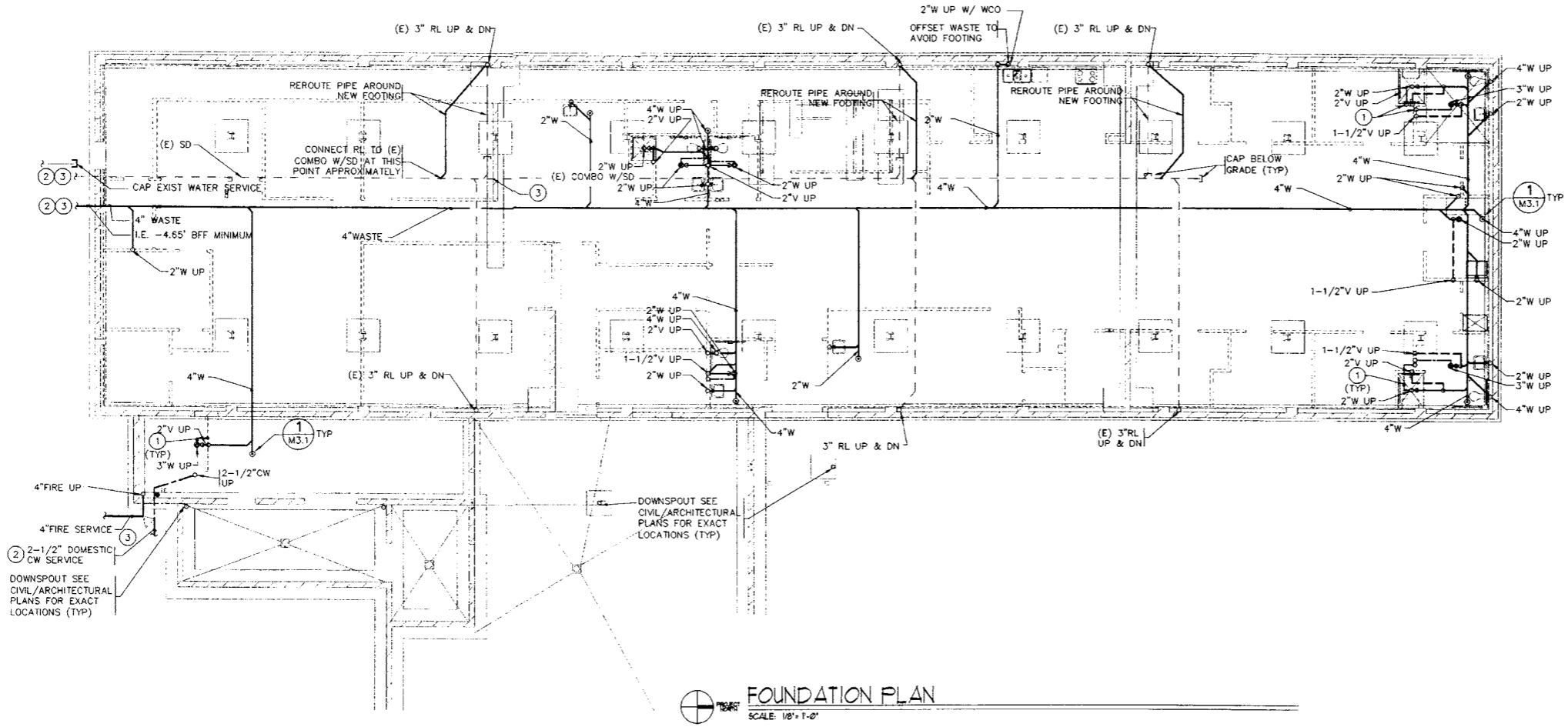
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 KING COUNTY
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 SEATTLE, WASHINGTON
 RE-BID

KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE - 22 x 34
 HALF SIZE
 REDUCTIONS - 1/4"

DRAWN BY:
 KMB DESIGN TEAM
 DATE: 11-01-04
 SHEET NO:
MO.2

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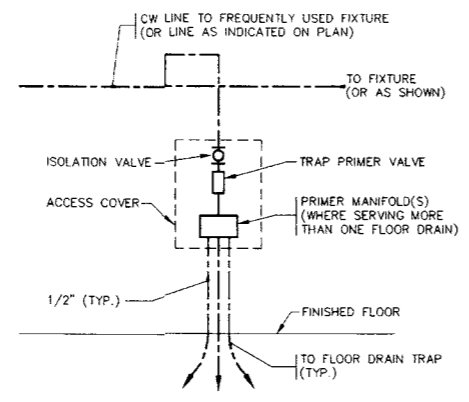


GENERAL NOTES

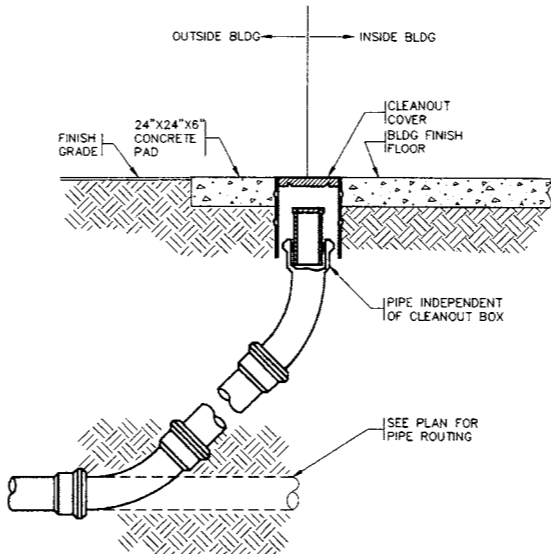
1. SEE STRUCTURAL DWGS FOR LOCATIONS/VARIATIONS OF FOUNDATION COMPONENTS SHOWN ON THIS DRAWING.
2. INVERT ELEVATIONS ARE BASED ON FF ELEVATION OF 0.00.
3. PRIOR TO BEGINNING ANY WORK CONTRACTOR SHALL VERIFY DEPTH OF SITE SEWER AND CONFIRM PIPING SLOPES IN ORDER TO PROVIDE PROPER WORKING SEWER SYSTEM.
4. DIV 15 CONTRACTORS SHALL VISIT SITE AND INCLUDE DEMOLITION OF ALL EXISTING PLUMBING IN THEIR BID (UNLESS SPECIFICALLY SHOWN TO REMAIN).
5. DIV 15 TO SAWCUT EXISTING SLABS, TRENCH/ EXCAVATE AS REQUIRED TO INSTALL NEW UTILITIES, AND TO BACKFILL AND COMPACT SOIL. CAP ALL PIPE RISERS BELOW SLAB AND PATCH RISER HOLES. DEMOLISH ALL EXIST FLOOR DRAINS. REPLACE ALL EXISTING ACTIVE FLOOR CLEANOUTS WITH NEW FOO'S AT APPROVED LOCATIONS (TYPICAL FOR ALL UNDERGROUND PLUMBING).
6. VERIFY LOCATION OF ALL EXISTING ITEMS BEING CONNECTED TO BEFORE BEGINNING OTHER WORK. VERIFY BY USE OF ELECTRONIC DETECTION, & BY SELECTIVE SAWCUTTING & EXCAVATION.

KEYED NOTES:

- 1 1/2" CW TRAP PRIMER LINE TO FLOOR DRAIN. SEE DETAIL 2/M3.1
- 2 CONNECT TO SITE PIPING. VERIFY LOCATION AND COORDINATE WITH SITE CONTRACTOR.
- 3 COORDINATE PIPING IN THIS AREA WITH SITE CONTRACTOR. SUBMIT SHOP DRAWING OF ALL UTILITIES IN AREA, WITH DIMENSIONED LOCATIONS AND DEPTHS OF ALL UTILITIES.
- 4 PROVIDE STEEL SLEEVE AROUND EXIST PIPE WHERE IT PENETRATES NEW FOOTINGS. OBTAIN APPROVAL FROM STRUCTURAL OF LOCATION OF SLEEVE WITHIN NEW FOOTING PRIOR TO POURING FOOTING.



TRAP PRIMER DETAIL 2
NOT TO SCALE M3.1



SURFACE CLEANOUT DETAIL 1
NTS M3.1

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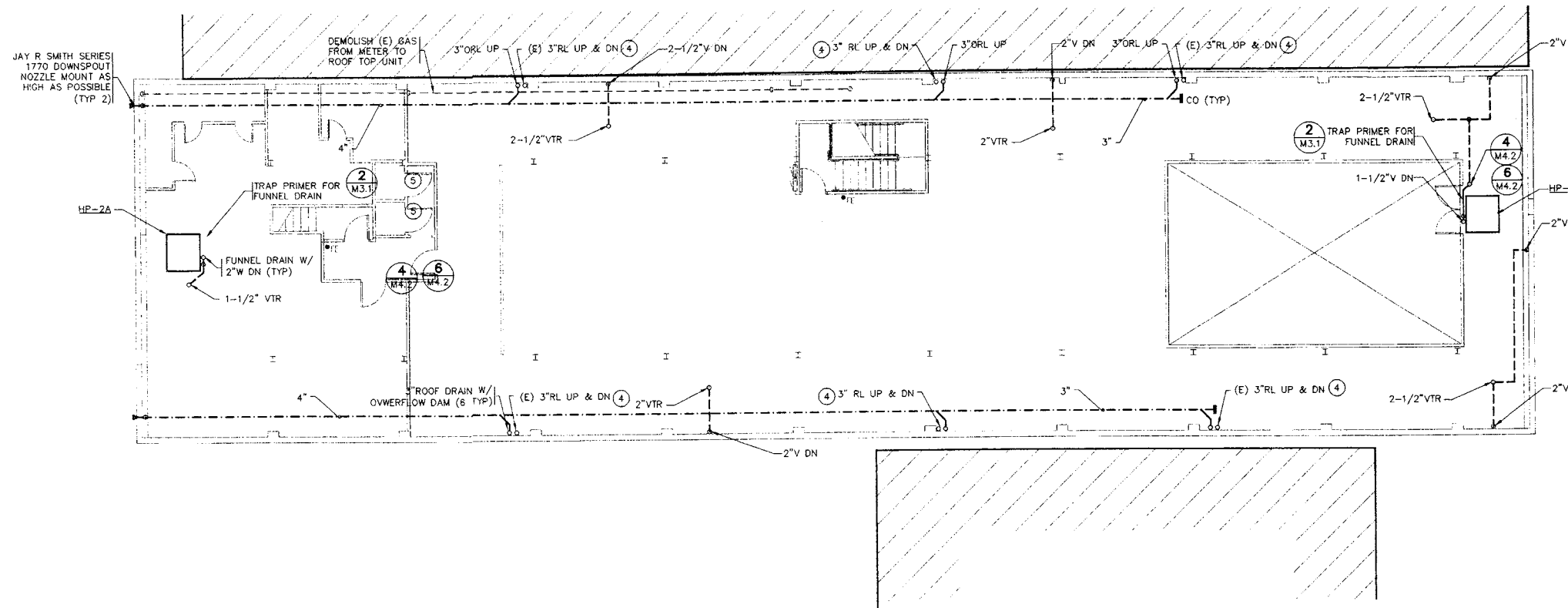
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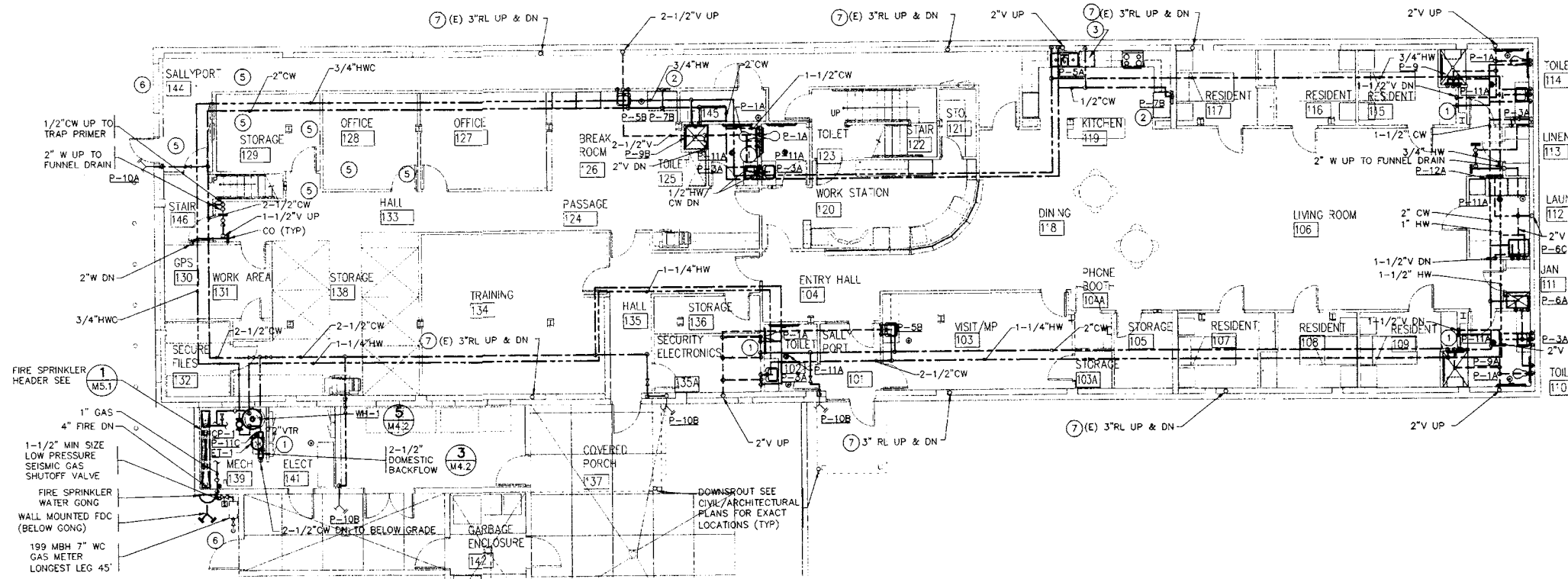
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 Phone: (253) 383-3257 Fax: (253) 383-3283
 general@hultzbhucross.com Job Number: 04-007

ORIGINAL SHEET
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 HALF SIZE
 REDUCTIONS - 1/4x7
 DRAWN BY:
 KMB DESIGN TEAM
 DATE: 11-01-04
 SHEET NO:
M3.1

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



FIRST FLOOR PLAN-PLUMBING
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- FOR PIPING SIZES TO INDIVIDUAL PLUMBING FIXTURES SEE "PLUMBING FIXTURE SCHEDULE", SHEET. M0.1
- PROVIDE WALL CLEANOUT BENEATH FIXTURES FOR ALL SINKS AND LAVATORIES.
- ALL ISOLATION VALVES SHALL BE ACCESSIBLE. PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO INSURE VALVE IS ACCESSIBLE.
- OFFSET VTR'S AND PIPING AS REQUIRED TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS.
- PROVIDE WATER HAMMER ARRESTERS ON ALL CW LINES SERVING FIXTURES W/ FLUSH VALVES. LOCATE UPSTREAM OF LAST FIXTURE ON LINE. AT EACH FIXTURE GROUP SIZE SHALL BE PER PDI, AS FOLLOWS:

NO. OF FIXTURES W/ FLUSH VALVES	PDI SIZE
1 - 2	A
3 TO 5	B
6 & MORE	C
- CONDENSATE DRAIN LINES & OVERFLOW DRAIN LINES FROM AHU(S) ARE 3/4" UNLESS NOTED OTHERWISE. DRAIN PIPING SHALL NOT BE INSTALLED ACROSS ACCESS PATH. SEE DETAILS 6 & 10 SHT. M3.7.
- DIV 15 CONTRACTORS SHALL VISIT SITE AND INCLUDE DEMOLITION OF ALL EXISTING PLUMBING IN THEIR BID (UNLESS SPECIFICALLY SHOWN TO REMAIN).
- DIV 15 TO SAWCUT EXISTING SLABS, TRENCH/EXCAVATE AS REQUIRED TO INSTALL NEW UTILITIES BACKFILL AND COMPACT SOIL. CAP ALL PIPE RISERS BELOW SLAB AND PATCH RISER HOLES. DEMOLISH ALL EXIST FLOOR DRAINS. REPLACE ALL EXISTING ACTIVE FLOOR CLEANOUTS WITH NEW FCO'S AT APPROVED LOCATIONS (TYPICAL FOR ALL EXIST PLUMBING).

KEYED NOTES:

- TRAP PRIMER AND ACCESS DOOR (MINIMUM SIZE SHALL BE 18"x18" WHERE ALSO PROVIDING ACCESS TO COLD WATER SHUTOFF VALVE).
- 1/2" CW TO ICEMAKER/REFRIGERATOR. PROVIDE WALL BOX WITH STOP VALVE. LOCATE APPROX. 12" AFF.
- PROVIDE 1/2" HW (W/ STOP) & WASTE CONNS (W/ AIR GAP FITTING) FROM ADJACENT FIXTURE TO DISHWASHER PER REQUIREMENTS OF CODE.
- REMOVE EXISTING ROOF DRAIN AND REPLACE WITH NEW 3" INLET ROOF DRAIN AT LOCATION SHOWN ON ARCHITECTURAL DRAWINGS. PROVIDE 3" RAINLEADER PIPING FROM EXISTING PIPE TO NEW ROOF DRAINS. SLOPE = 1/2"/FT.
- EXISTING DRAWINGS ARE NOT AVAILABLE. VISIT SITE/SEE ARCHITECTURAL DEMOLITION PLANS FOR EXISTING PLUMBING FIXTURES/ PIPING IN THIS AREA TO BE DEMOLISHED. DEMOLISH ALL WASTE, VENT, HW, CW, GAS, AND FIXTURES.
- DEMOLISH EXISTING GAS PIPING DOWNSTREAM OF EXISTING METER. COORDINATE LOCATION AND PHASING OF INSTALLATION OF NEW METER WITH GAS COMPANY. OWNER WILL APPLY FOR GAS SERVICE AND PAY ALL FEES.
- PROVIDE NEW OFFSETS IN EXISTING RAIN LEADERS OR NEW RAIN LEADERS TO AVOID NEW CONSTRUCTION AS REQUIRED BY OTHER TRADES.

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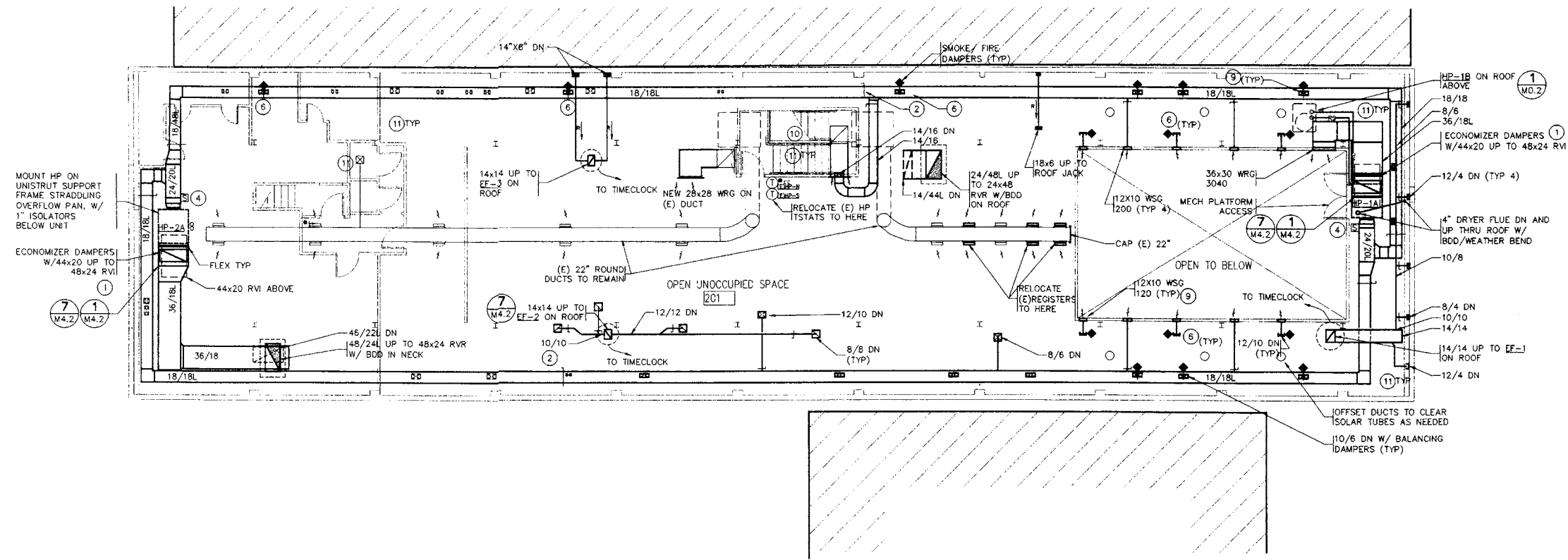
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HALF SIZE REDUCTIONS = 11x17
DRAWN BY: KMB DESIGN TEAM
DATE: 11-01-04
SHEET NO: **M3.2**

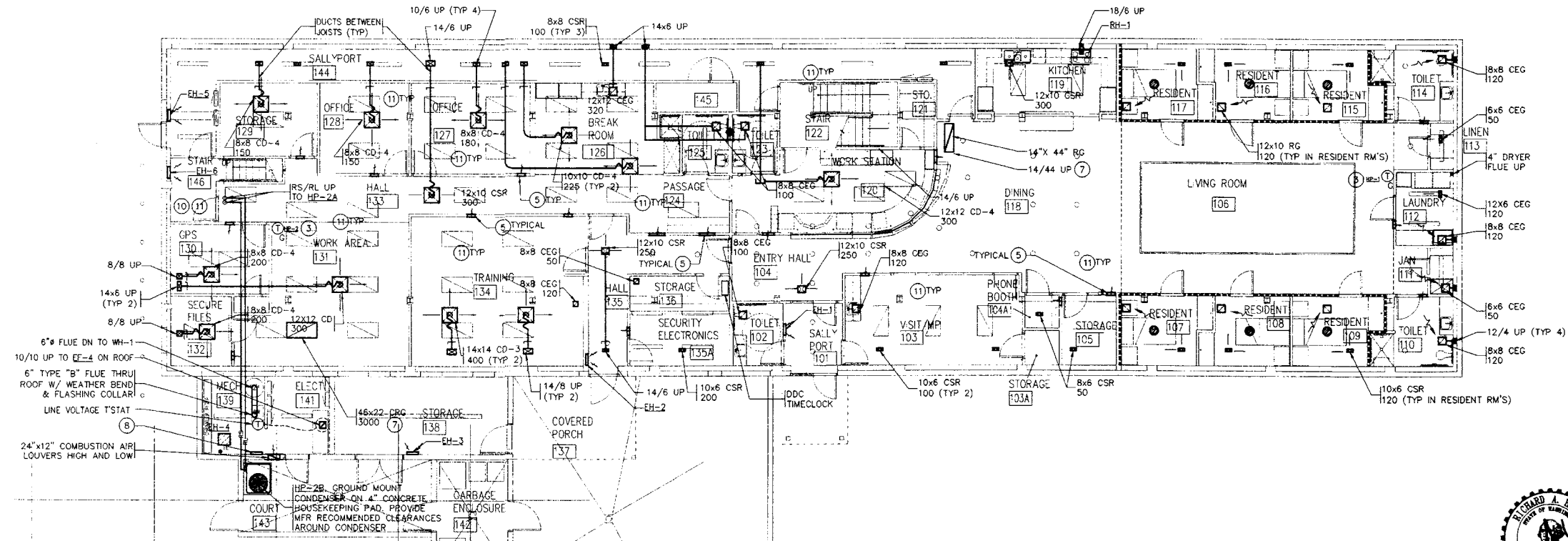


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general@hultzbhucross.com Job Number: 04-007

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



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

GENERAL NOTES:

- LINE ALL SUPPLY AIR DUCTS WITHIN 25 FEET TO HP'S, OR AS SHOWN ON PLANS. LINE ALL RETURN AIR DUCTS WITHIN 10 FEET OF AHU'S. LINE ALL DUCTWORK WITHIN 10 FEET OF EXHAUST FANS (BOTH UPSTREAM AND DOWNSTREAM).
- ALL DIFFUSER/GRILLE LOCATIONS BY ARCHITECT. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- CFM'S SHOWN REPRESENT AIRFLOW'S WITH SYSTEM IN "OCCUPIED" MODE, & SPEED FANS IN LOW SPEED, HOOD FANS OFF.
- PROVIDE FLEX CONNECTIONS TO ALL FANS AND HEAT PUMPS.
- VERIFY MOUNTING HEIGHT OF WALL INLETS/OUTLETS W/ ARCH PRIOR TO BEGINNING WORK.
- LINE ALL RELIEF DUCTS WITH 1" THICK LINING.
- AT EACH HP, PROVIDE A LINED RA PLENUM, SAME SIZE AS UNIT CONNECTION, LENGTH AS REQUIRED TO ALLOW DUCT CONNECTIONS SHOWN.
- LOCATE MOTORIZED DAMPERS TO BE ACCESSIBLE FROM SECOND LEVEL WHERE EVER POSSIBLE.
- ALL ELECTRIC HEATERS TO BE DISABLED WHEN HEAT PUMPS ARE IN COOLING MODE. BY 15900.
- DIV 15 CONTRACTOR SHALL VISIT SITE AND REVIEW WORK INVOLVED FOR DEMOLITION OF ALL EXISTING HVAC UNITS, CONTROLS, DUCTWORK AND EXHAUST FANS IN THEIR BID (UNLESS SPECIFICALLY SHOWN TO REMAIN). AS-BUILT DRAWINGS ARE NOT AVAILABLE.

KEYED NOTES:

- PROVIDE FACTORY ACCESSORY ECONOMIZER DAMPERS, W/ OA INTAKE THRU ROOF.
- PROVIDE NORMALLY CLOSED DAMPER FOR BACKUP HEATING VIA 2ND HEAT PUMP.
- PROVIDE CLEAR PLASTIC VENTED LOCKING BOX OVER ISTAT.
- DUCT SMOKE DETECTOR FURNISHED BY DIV. 16 INSTALLED BY DIV 15. DIV 16 TO WIRE AUX. CONTACTS TO STOP FAN WHEN SMOKE DETECTED.
- PROVIDE 12"x6" RELIEF TRANSFER GRILLES EACH SIDE OF WALL PER DETAIL 3 ON M4.2.
- PROVIDE SMOKE FIRE DAMPER ACCESSIBLE FROM ATTIC ABOVE.
- PAINT INTERIOR OF DUCT BLACK.
- 15900 TO PROVIDE DDC PANEL OR MULTI-POLE TIME CLOCK TO CONTROL EXHAUST FAN CP-1 AND HEAT PUMPS.
- SOUND LINE ALL TRANSFER AND SUPPLY DUCTS SERVING RESIDENT ROOMS.
- EXISTING GAS/ ELECTRIC HVAC UNIT, CONTROLS AND ROOFTOP DUCTWORK TO BE DEMOLISHED IN THIS AREA.
- DEMOLISH ALL EXISTING SUPPLY, RETURN, ATTIC VENT AND EXHAUST DUCTWORK IN THIS AREA THAT IS NOT SHOWN TO REMAIN.

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ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1x17

DRAWN BY
KMB DESIGN TEAM

DATE: 11-01-04

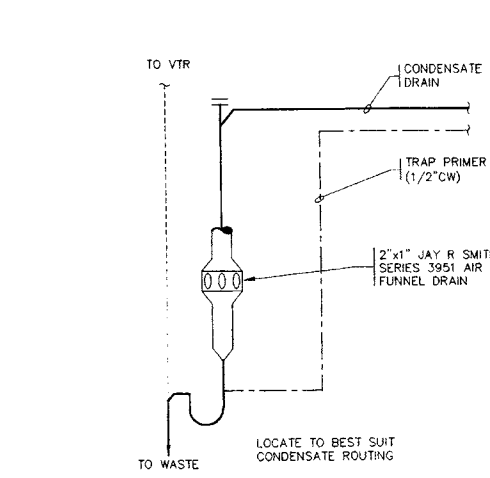
SHEET NO.
M4.1



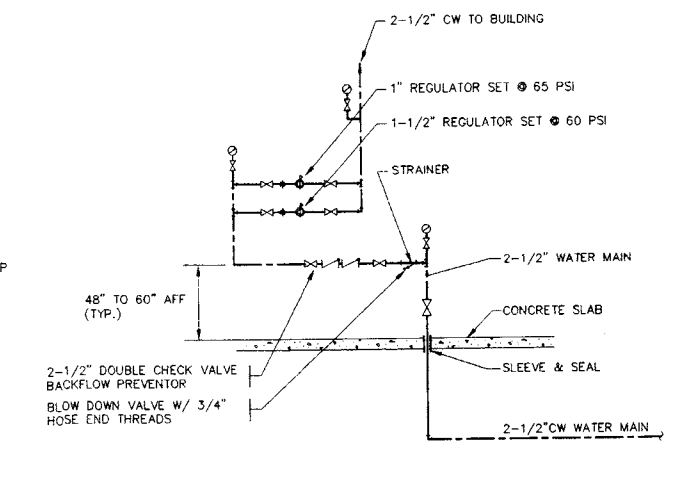
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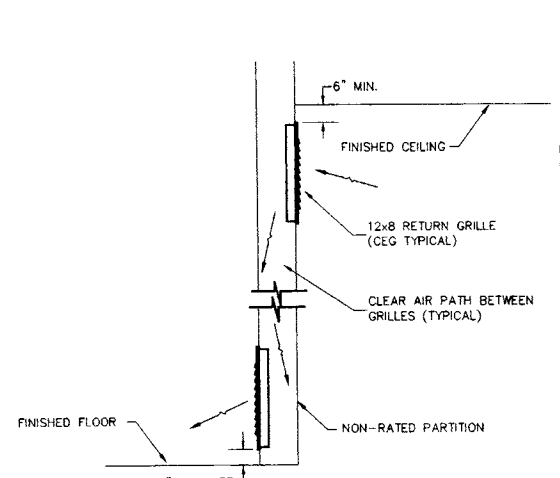
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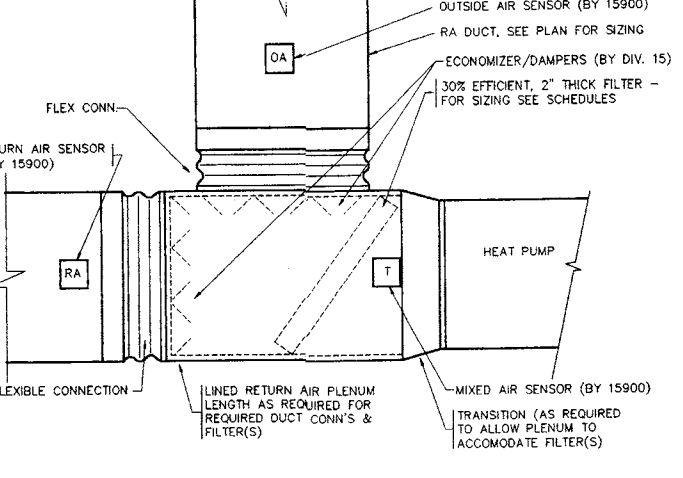
INDIRECT FUNNEL DRAIN 4
NTS M4.2



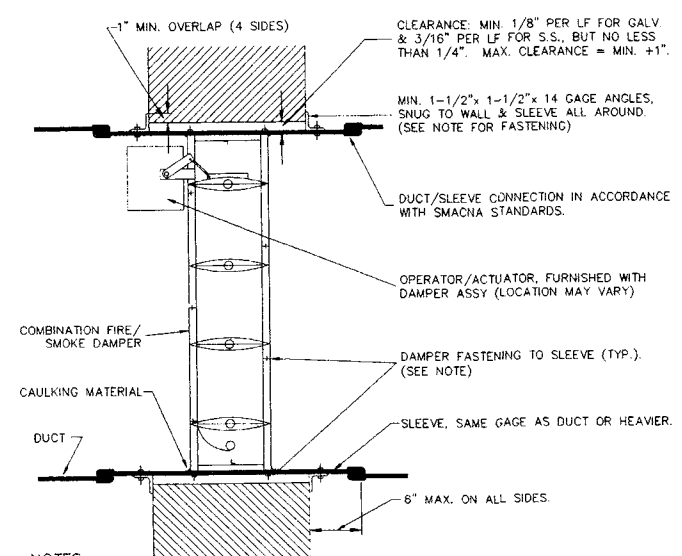
DOMESTIC WATER SERVICE ENTRANCE 3
NTS M4.2



ROOM-ROOM TRANSFER 2
NTS M4.2

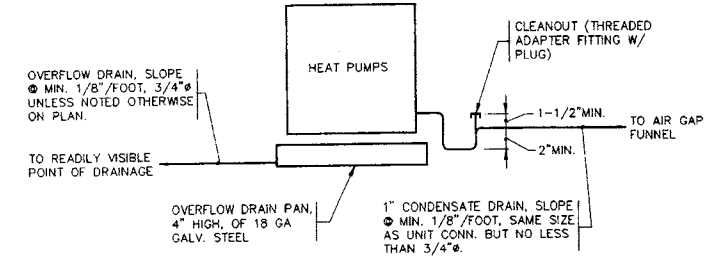


HEAT PUMP CONNECTION 1
NTS M4.2

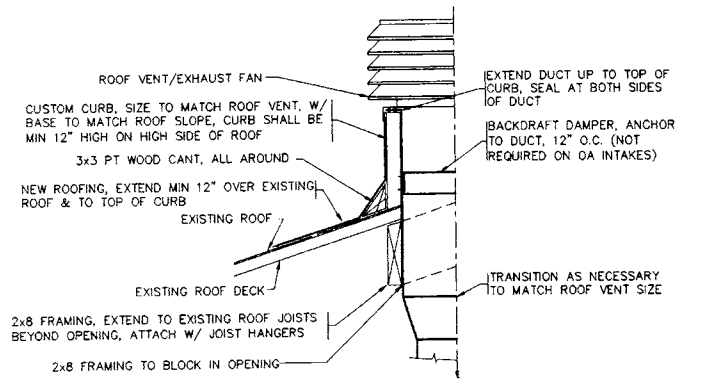


- NOTES:**
- POWER TO ACTUATOR & CONTROL BY FIRE ALARM SYSTEM IS BY DIVISION 16 CONTRACTOR.
 - INSTALL DAMPERS TO COMPLY WITH U.L. & MFR STANDARDS. U.L. "APPROVED" INSTALLATION STANDARDS GOVERN IN LIEU OF THIS DETAIL WHERE DIFFERENCES OCCUR.
 - DAMPER FASTENING TO SLEEVE SHALL BE FASTENED WITH 1/4"-20 BOLTS, NO. 10 SCREWS, OR 1/2" LONG WELDS. FASTENING SHALL BE STAGGERED INTERMITTENTLY AND SPACED 8" O.C. FOR GALV. AND 6" O.C. FOR S.S. PROVIDE MIN. TWO CONNECTIONS EACH SIDE.
 - ANGLE FASTENING TO SLEEVE: SAME AS ABOVE.
 - MULTIPLE DAMPER ASSEMBLIES SHALL HAVE STEEL PLATE MULLION (MIN. 14 GA x 4-1/2" WIDE, SAME MATERIAL AS DAMPER) SANDWICHED BETWEEN ENDS OF DAMPERS WITH FRAMES WELDED TO MULLION WITH 1/2" LONG FILLET WELDS STAGGERED INTERMITTENTLY AND SPACED 8" O.C. FOR GALV. AND 6" O.C. FOR S.S.
 - PROVIDE ACCESS DOORS TO DAMPERS & ACTUATOR, LOCATE ACCESS DOOR IN MOST ACCESSIBLE DUCT.
 - DETAIL APPLIES TO HORIZONTAL FIRE DAMPERS ALSO (SUBJECT TO MFRS & UL REVISIONS).
 - FIRE DAMPER OPENING IN FRAMED CONSTRUCTION SHALL BE SHEETROCKED.
 - DAMPER CONFIGURATION MAY VARY FROM THAT ILLUSTRATED; SEE SPECIFICATIONS FOR COMPLETE FIRE/SMOKE DAMPER REQUIREMENTS.
 - CONSTRUCTION IS SIMILAR FOR VERTICALLY INSTALLED DAMPERS.

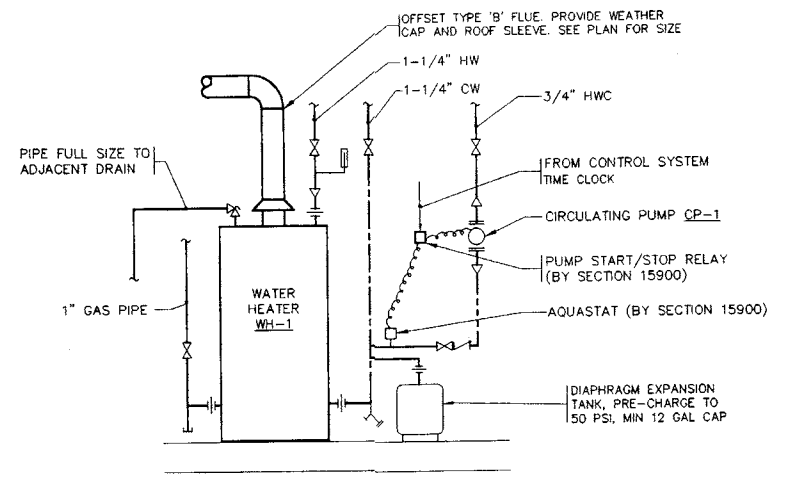
COMB. FIRE/SMOKE DAMPER DETAIL 9
NTS M4.2



DRAIN DETAIL 6
NTS M4.2



ROOF VENT/FAN MOUNTING DETAIL 7
1-1/2"=1'-0" M4.2



WATER HEATER DETAIL 5
NTS M4.2

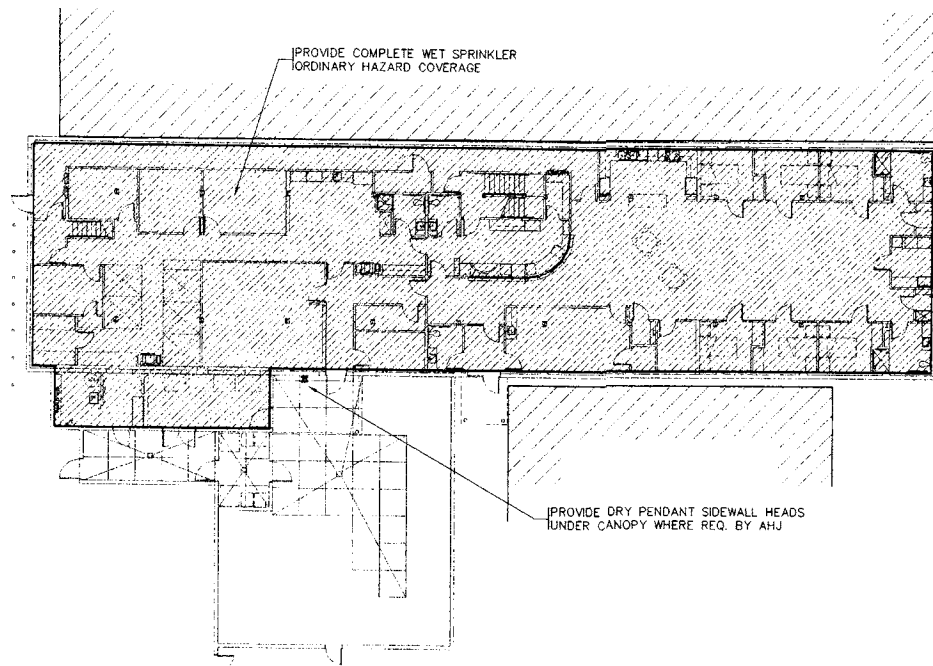
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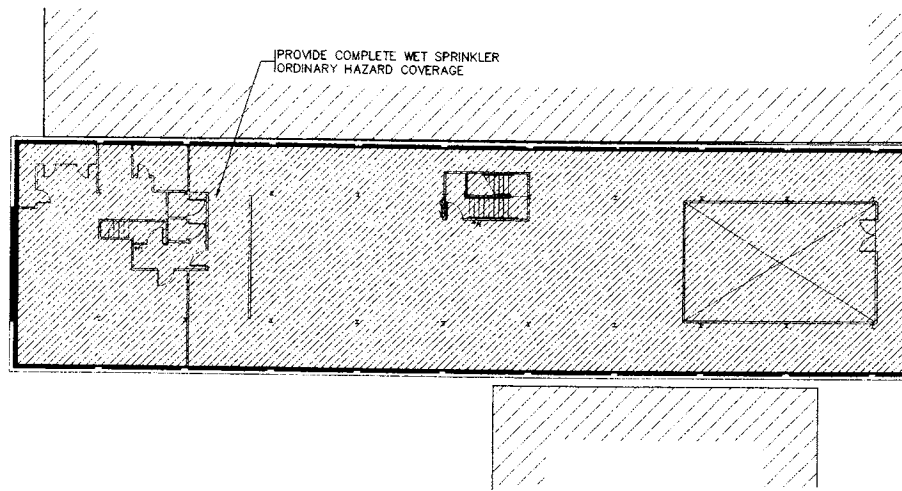
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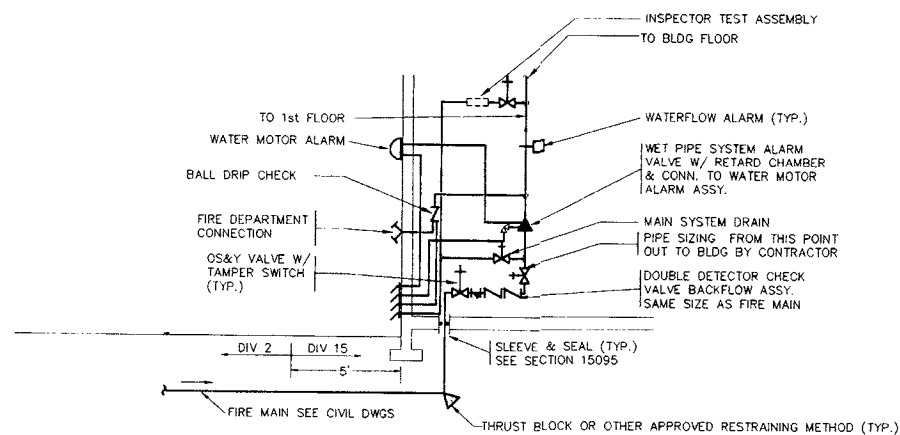
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FIRE PROTECTION ZONING PLAN-1ST FLOOR



FIRE PROTECTION ZONING PLAN-2ND FLOOR



NOTES:

1. PIPE SIZING AFTER BACKFLOW PREVENTER TO SPRINKLERS IS BY 15500 CONTRACTOR.
2. CONNECTION OF ALL TAMPER SWITCHES & WATERFLOW ALARMS TO BLDG FIRE ALARM SYSTEM IS BY DIVISION 16.
3. SEE SECTION 15500 FOR FIRE SPRINKLER SPECIFICATIONS.
4. ALL BENDS/JOINTS SHALL BE RESTRAINED AGAINST MOVEMENT USING MECHANICAL JOINTS W/ SET SCREW RETAINER GLANDS OR OTHER APPROVED METHODS.
5. VAULT, METER, VALVES, PIPING, & ENTIRE INSTALLATION SHALL COMPLY W/ CITY OF SEATTLE REQUIREMENTS. CONTRACTOR SHALL REVIEW W/ LOCAL AUTHORITY PRIOR TO STARTING WORK.
6. PITCH FIRE DEPT. CONN. LINE SO AS TO ALLOW DRAINAGE AT BALL DRIP DRAIN.
7. PROVIDE THRUST BLOCKS AT ALL CHANGES IN DIRECTION OF PIPING PER NFPA 24.

FIRE SPRINKLER SCHEMATIC

1
M5.1

FIRE PROTECTION NOTES:

1. ENTIRE BUILDING SHALL BE FIRE SPRINKLERED PER NFPA 13 AND LOCAL CODE REQUIREMENTS.
2. PROVIDE WET PIPE TYPE SYSTEM SERVING ALL AREAS NOT SUBJECT TO FREEZING AND DRY PIPE SYSTEM SERVING OTHER AREAS. DRY TYPE HEADS MAY BE USED OFF WET SYSTEM FOR LIMITED COVERAGE AREAS AND WHERE FREEZING OF WET PIPE IS NOT POSSIBLE.
3. REVIEW ARCHITECTURAL, STRUCTURAL, AND ALL OTHER DRAWINGS FOR BUILDING DETAILS AND LAYOUT.
4. COORDINATE WITH ALL TRADES IN ROUTING OF SPRINKLER PIPING TO AVOID CONFLICTS. THE FIRE PROTECTION SYSTEM HAS THE LOWEST PRIORITY OF ITEMS RAN IN THE CEILING & ATTIC SPACES. PROVIDE OFFSETS AS REQUIRED.
5. SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILE.
6. SEE CIVIL DRAWINGS FOR LOCATION OF CONN. TO PRIMARY WATER SUPPLY.
7. SYSTEM SHALL BE HYDRAULICALLY DESIGNED BY CONTRACTOR. PRELIMINARY WATER FLOW DATA:
60 GPM @ 20 PSI RESIDUAL
132 PSI STATIC PRESSURE
CONTACT WATER DISTRICT AND OBTAIN UPDATED DATED PRIOR TO DESIGNING.
8. SEE SECTION 15500 FOR FIRE SPRINKLER SYSTEM SPECIFICATIONS.
9. NOTIFY STRUCTURAL ENGINEER OF ALL INTENDED DRILLING/CUTTING OF STRUCTURE. OBTAIN ENGINEER'S APPROVAL PRIOR TO DRILLING OR CUTTING.

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REDUCTIONS = 1/4"

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SHEET NO.
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LIGHTING FIXTURE SCHEDULE										
TYPE	No.	SYM	MFR.	CATALOG NUMBER	VOLTS	INPUT WATTS	VA 120/277	LAMPS	MOUNT	REMARKS
	1	○	LIGHTWAY	CCLC-14-1-2026-1PL7-NIGHTLITE-W2-WA	120	54	57	(2) 26W DIT/830 (1) 7W PL (NIGHTLITE)	SURFACE	14" DIA. ROUND, OPAL ACRYLIC WHITE HOUSING, NIGHT LIGHT ELECTRONIC BALLAST
	2	□	ZUMTOBEL	SCI-24-2545-C-W-120-DIM	120	124	124	(2) F54/T5HO/835	RECESSED	2X4 2 LAMP DIRECT/INDIRECT, LAY-IN MATTE PARABOLIC LOUVER, WHT. REFL. 5% DIMMING ELEC. BALLAST, SEE NOTE 6
	3	□	ZUMTOBEL	SCE-24-2545-CW-1	120	124	124	(2) F54/T5HO/835	RECESSED GYP.BRD.	2X4 2 LAMP DIRECT/INDIRECT, FLANGE MATTE PARABOLIC LOUVER, WHT. REFL. ELECTRONIC BALLAST
	4	▬	METALUX	BEU-232-120-EB8	120	58	59	(2) F32/T8/835	WALL	4" 2 LAMP STEEL WALL BRACKET STEEL ENDPLATES, LO-BRITE EXTRUDED LENS, ELECTRONIC BALLAST
	5	▬	COLUMBIA LITHONIA	TL20-232-EB8-WHT. 11854-32-GE8	120	58	59	(2) F32/T8/835	WALL	4" 2 LAMP OVER MIRROR, DECORATIVE ONE PIECE OPAL ACRYLIC DIFFUSER ELECTRONIC BALLAST
	6	▬	COLUMBIA LITHONIA DAYBRITE METALUX	WC4-232-EB8 LB-232-GE8 SWN-232-EB WS-232-A-EB81	120	58	59	(2) F32/T8/835	SURFACE	9"X4 2 LAMP WRAPAROUND ACRYLIC, INJECTION MOLDED ENDS ELECTRONIC BALLAST
	7	▬	COLUMBIA LITHONIA DAYBRITE METALUX	CS4-232-EB8-CSW04 C-232-GE8-WC T232-EB-CG4 SS-232-EB81	120	58	59	(2) F32/T8/835	SURFACE	4" 2 LAMP SURFACE STRIP OPEN, WITH WIREGUARD ELECTRONIC BALLAST
				NOT USED						
	9	○	LITHONIA	11752-BN	120	54	57	(2) 26W DIT/830	SURFACE	16" DIA. ROUND, BRUSHED NICKEL OPAL LENS ELECTRONIC BALLAST
	10	⊙	BETA CALCO	68-3823-SW-OP-1 10E WITH BATTERY/PAK	120	216	216	(6) 39W/BX/RS/830	PENDANT 8" LENGTH	29" DIA BOWL, TRIPLE STEM MOUNT 4 UP/ 2 DN, DUAL SWITCH, ELEC.BALLAST OPAL LENS, SATIN NICKEL
	11	▬	PRESCOLITE LITHONIA DAYBRITE METALUX	8364-EB8120 2UC132-120-GE8 8UC-132-W-120-EB CL-132-EB81	120	32	32	(1) F32/T8/835	SURFACE	4" 1 LAMP UNDERCABINET LIGHT WHITE FINISH, LINEAR ACRYLIC ELECTRONIC BALLAST
	12	▬	COLUMBIA LITHONIA DAYBRITE METALUX	P424-332G-LD36-S-EB8-MS 2PM32GB-332-18LD-GE8-LST 2P3GS-332-36SL-EB-M/S M/S-2EP3GAX-332-S361-EB82	120	87	88	(3) F32/T8/835	RECESSED	2X4 3 LAMP PARABOLIC, LAY-IN GRID 3X6 CELL SEMI-SPECULAR LOUVER ELEC. BALLAST, I/O SWITCHING TANDEM WIRED, 2 LAMP BALLASTS 2X4 2 LAMP TROFFER, LAY-IN .125 A12 ACRYLIC LENS ELECTRONIC BALLAST
	14	○	PRESCOLITE LITHONIA PORTFOLIO OMEGA	CFR026EB-ST492-SS-A AF2/26DTT-BARLD-GE8 C7226-GE-7251H OMB-2H26Q-PL-CSS-FF-#1	120	51	52	(2) CF026W/GX24q/835	RECESSED	8" 2 LAMP DOWNLIGHT, HORIZONTAL SEMI-SPEC. CLR. REFLECTOR, SELF TRIM ELECTRONIC BALLAST
	15	▬	LITHONIA	11742-RE-120	120	114	116	(4) F32 T8/835	SURFACE	8"X4 4 LAMP LINEAR PERFORATED SHIELD ELECTRONIC BALLAST
	16	○	PRESCOLITE LITHONIA PORTFOLIO OMEGA	CF026EB-STF002-SS-A AFV26DTT-BARLD-GE8 C6032-GE-6001H OMB-26Q-PL-CSS	120	27	28	(1) CF026W/GX24q/835	RECESSED	6" 1 LAMP DOWNLIGHT, VERTICAL SEMI-SPEC. CLR. REFLECTOR, SELF TRIM 5% DIMMING ELEC. BALLAST, SEE NOTE 6
	17	⊙	KIM	WF33C-70MH120-SS-SF	120	95	102	(1) 70W MH	WALL ● 7"6" AFF	10.5" DIA.CUTOFF ADA SCENCE COLOR TO BE SELECTED SEE NOTE 3
	18	⊙	LITHONIA	TWAC-70W-120-SF-#1	120	95	102	(1) 70W MH	WALL ● 10" AFF	11" WIDE CUTOFF WALLPACK COLOR TO BE SELECTED SEE NOTE 4
	X	⊙	DUAL-LITE LITHONIA SURE-LITES	LYUGW LQM-SW3G-120/277 LPX-6-B-G-WH	120	4	4	INCLUDED GREEN LED	UNIVERSAL	STENCILED GREEN LED LETTERS WHT.HSG., SGL. OR DBL. FACE 120V AC Power
	S1	⊙	GARDCO	(2) MA17-2-FM-175MH-208-#1 TWIN ARM ASSEMBLY ROUND STRAIGHT ALUMINUM POLE	208	426	432	(2) 175W MH	POLE 20'	CUTOFF SITE LIGHT, TWIN TYPE IV DISTRIBUTION COLOR TO BE SELECTED SEE BASE DETAIL
	S2	⊙	GARDCO	(3) MA17-3-FM-175MH-208-#1 3 AT 90 ARM ASSEMBLY ROUND STRAIGHT ALUMINUM POLE	208	639	648	(3) 175W MH	POLE 20'	CUTOFF SITE LIGHT, TRIPLE TYPE IV DISTRIBUTION COLOR TO BE SELECTED SEE BASE DETAIL

- NOTE:
1. PROVIDE ALL HARDWARE FOR SURFACE MOUNT LIGHT FIXTURES, CABLES, CHAINS, ETC.
 2. PROVIDE SWIVEL HANGERS FOR PENDANT MOUNTED FIXTURES ON SLOPED CEILINGS REFER TO THE ARCH. REFLECTED CEILING PLANS
 3. COORDINATE EXACT PLACEMENT IN CMU WALL WITH ARCHITECT. FINISH OPENING WITH FINISH GROUT.
 4. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
 5. FIXTURE TYPES THAT CONTAIN THE 'E' SUFFIX (EXAMPLE 12E) SHALL BE PROVIDED WITH EMERGENCY BATTERY BACKUP PER SPECIFICATIONS.
 6. COORDINATE WALL BOX DIMMER SWITCH AND 5% DIMMING ELECTRONIC BALLASTS TO ENSURE THEY ARE COMPATIBLE, REFERENCE SECTION 1651B.

ELECTRICAL SYMBOLS LIST	
	FLUORESCENT LIGHTING FIXTURE AND OUTLET.
	WALL BRACKET LIGHTING FIXTURE AND OUTLET.
	DENOTES EMERGENCY LIGHTING FIXTURE AND OUTLET.
	EXIT LIGHT AND OUTLET. "—" DENOTES DIRECTIONAL ARROW.
	SINGLE POLE FLUSH SWITCH.
	THREE WAY FLUSH SWITCH.
	WALL BOX DIMMER SWITCH, REFERENCE SPECIFICATIONS SECTION 1651B.
	20A GROUNDING DUPLEX RECEPTACLE UNLESS NOTED OTHERWISE.
	20A GROUNDING DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.
	20A GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE (GFCI).
	20A RED (EMER.) GROUNDING DUPLEX RECEPTACLE CONTROLLED BY WALL SWITCH.
	20A RED (EMER.) GROUNDING DUPLEX RECEPTACLE, PLATE COLOR TO MATCH DEVICE.
	20A RED (UPS) GROUNDING DUPLEX RECEPTACLE, PLATE COLOR TO MATCH DEVICE. PROVIDE PHENOLIC LABEL PER KEYED NOTE 13 ON SHEET SE2.1 DIRECTLY ABOVE DEVICE.
	20A GROUNDING 4-PLEX RECEPTACLE.
	20A RED COLORED (EMER.) GROUNDING 4-PLEX RECEPTACLE, PLATE COLOR TO MATCH DEVICE.
	SPECIAL POWER RECEPTACLES, COORDINATE NEMA PLUG CONFIGURATION AND ROUGH-IN LOCATION WITH EQUIPMENT INSTALLER.
	RECESSED FLOOR BOX WITH DEVICES AS NOTED ON PLANS, REFERENCE SPECIFICATIONS. PROVIDE 3/4" C. FOR POWER, 3/4" C. FROM EACH BOX FOR T.V. COAX AND (1) SPARE 3/4" C. SPARE FROM EACH BOX STUBBED TO ACCESSIBLE CEILING SPACE ABOVE WORK STATION #120.
	JUNCTION BOX WITH FLEX CONDUIT CONNECTION TO ADJACENT EQUIPMENT, 4" SQUARE BOX WITH COVER AS NOTED. COORDINATE ROUGH-IN LOCATION W/EQUIPMENT INSTALLER.
	MOTOR CONNECTION. NUMERAL DENOTES HORSEPOWER, 'F' DENOTES FRACTIONAL HORSEPOWER.
	MOTOR DISCONNECT SWITCH.
	MAIN DISTRIBUTION SWITCHBOARD OR PANELBOARD.
	BRANCH PANELBOARD.
	CONCEALED CONDUIT, SHORT CROSSHATCHING DENOTES NUMBER OF PHASE CONDUCTORS, LONG CROSSHATCHING DENOTES NEUTRAL. ALL CIRCUITS ARE TO INCLUDE A GREEN INSULATED #12 GROUND WIRE. MINIMUM WIRE SIZE TO BE #12 A.W.G. UNLESS OTHERWISE NOTED. NO CROSSHATCHING DENOTES 2#12, 1#12G. IN SLAB CONDUITS TO BE PVC WITH RIGID SWEEPS.
	INDICATES CIRCUIT HOMERUN.
	TV OUTLET, REFERENCE SPECIFICATIONS AND DETAILS 5 & 6 ON SHEET E6.3.
	VOICE/DATA OUTLET, REFERENCE SPECIFICATIONS AND DETAIL 5 ON SHEET E6.3.
	BYPASS #GTD20 SWITCH BYPASS DEVICE, SEE DETAIL 5 ON SHEET E6.2.
FIRE ALARM	
	MANUAL STATION.
	FIRE ALARM HORN WITH STROBE, 95 CANDELA MINIMUM.
	MINI HORN STROBE.
	EXTERIOR FIRE ALARM HORN WITH STROBE (WEATHERPROOF).
	STROBE ONLY, 15 CANDELA MINIMUM.
	SYSTEM SMOKE DETECTOR.
	SYSTEM FIXED TEMPERATURE HEAT DETECTOR.
	FIRE ALARM ANNUNCIATOR.
	FIRE ALARM CONTROL CABINET.
	WATER FLOW SWITCH.
	TAMPER SWITCH.
	PRESSURE SWITCH.
	REMOTE INDICATOR (DUCT SMOKE DETECTOR)
	ADDRESSABLE RELAY
	ADDRESSABLE MODULE
REFERENCE DESIGNATIONS	
	SYMBOL FOR KEY NOTE, REFERENCE KEY NOTES FOR THAT SHEET.
	EQUIPMENT DESIGNATION, REFERENCE EQUIPMENT SCHEDULE ON SHEET E0.2.
DEFINITIONS	
ACCESSIBLE CEILING SPACE - SUSPENDED ACOUSTICAL TILE CEILINGS NOT OVER 10'-0" AFF.	
MOTOR CONNECTIONS, - DIV. 16 IS TO PROVIDE ALL LINE VOLTAGE POWER SUPPLY CONNECTIONS. DIVISION 16 IS TO PROVIDE DISCONNECTS & STARTERS AS CALLED FOR ON EQUIPMENT SCHEDULE.	
DIVISION 16 IS TO PROVIDE ALL CONTROL WIRING INDICATED ON THE DIVISION 15 OR DIVISION 16 DRAWINGS OR SPECIFICATIONS AS "BY ELECTRICAL CONTRACTOR," "DIVISION 16", ETC.	

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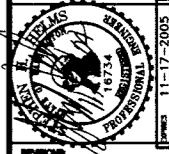
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MECHANICAL EQUIPMENT SCHEDULE													
ITEM	DESCRIPTION	LOCATION	VOLTS	PHASE	HP	KW OR WATTS	FULL LOAD AMPS	STARTER	DISC SW.	FUSE SIZE	FEEDER	CIRCUIT NUMBER	NOTES
HP 1A	HEAT PUMP	SECOND FLOOR NORTH	208	3	1.5 HP	26.2KW	79.4	DIV.15	3P100A	100A	1.0N	M-1,3,5	PROVIDE FUSED DISCONNECT, UNIT REQUIRES DUCT SMOKE DETECTOR
HP 1B	HEAT PUMP OUTDOOR UNIT	ROOF NORTH	208	3	3.1 HP	-	36.6	DIV.15	3P60A	50A	.5N	M-9,11,13	PROVIDE NEMA 'JR' FUSED DISCONNECT
HP 2A	HEAT PUMP	SECOND FLOOR SOUTH	208	3	1.5 HP	26.2KW	79.4	DIV.15	3P100A	100A	1.0N	A-1,3,5	PROVIDE FUSED DISCONNECT, UNIT REQUIRES DUCT SMOKE DETECTOR
HP 2B	HEAT PUMP OUTDOOR UNIT	ROOF SOUTH	208	3	3.1 HP	-	36.6	DIV.15	3P60A	50A	.5N	A-7,9,11	PROVIDE NEMA 'JR' FUSED DISCONNECT
HP 1A	EXISTING HEAT PUMP	ROOF CENTER	208	1	1 HP	15.0KW	80	REUSE EXIST.	3P100A	100A	1.0N	M-2,4	CONNECTION #1, SEE NOTE 3 BELOW. PROVIDE NEMA 'JR' FUSED DISCONNECT, UNIT REQUIRES DUCT SMOKE DETECTOR
HP 1B	EXISTING HEAT PUMP	ROOF CENTER	208	3	MULT.	-	28.8	REUSE EXIST.	3P60A	50A	.5N	M-8,10,12	CONNECTION #2, SEE NOTE 3 BELOW. PROVIDE NEMA 'JR' FUSED DISCONNECT,
HP 2A	EXISTING HEAT PUMP	ROOF CENTER	208	1	1 HP	15.0KW	80	REUSE EXIST.	3P100A	100A	1.0N	M-14,16	CONNECTION #1, SEE NOTE 3 BELOW. PROVIDE NEMA 'JR' FUSED DISCONNECT, UNIT REQUIRES DUCT SMOKE DETECTOR
HP 2B	EXISTING HEAT PUMP	ROOF CENTER	208	3	MULT.	-	28.8	REUSE EXIST.	3P60A	50A	.5N	M-20,22,24	CONNECTION #2, SEE NOTE 3 BELOW. PROVIDE NEMA 'JR' FUSED DISCONNECT,
EH 1	WALL HEATER	SALLYPORT #101	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	A-2,4	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
EH 2	WALL HEATER	HALL #135	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	A-6,8	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
EH 3	WALL HEATER	STORAGE #138	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	A-10,12	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
EH 4	WALL HEATER	MECH. RM. #139	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	E-40,42	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
EH 5	WALL HEATER	SALLYPORT #144	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	B-2,4	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
EH 6	WALL HEATER	STAIR #106	208	1	FRAC.	1.5KW	7.7	-	-	-	.2	B-6,8	INTEGRAL DISCONNECT SWITCH. SEE NOTE 4 BELOW.
WH 1	HOT WATER HEATER	MECH. RM. #139	120	1	-	84W	0.7	-	1P20A	1.5A	20A	E-36	BUSMAN #SSW MANUAL DISCONNECT W/EDISON BASE FUSE.
CP 1	CIRCULATION PUMP	MECH. RM. #139	120	1	1/8 HP	-	4.4	DIV. 15	1P20A	7A	20A	E-38	BUSMAN #SSW MANUAL DISCONNECT W/EDISON BASE FUSE.
EF 1	EXHAUST FAN	(ROOF) TOILET/ LAUNDRY	120	1	1/4 HP	-	5.8	DIV.15	1P20A	9A	20A	M-19	PROVIDE NEMA 'JR' FUSED DISCONNECT SEE NOTE 4 BELOW.
EF 2	EXHAUST FAN	(ROOF) TOILET/ TRAINING	120	1	1/4 HP	-	5.8	DIV.15	1P20A	9A	20A	M-21	PROVIDE NEMA 'JR' FUSED DISCONNECT SEE NOTE 4 BELOW.
EF 3	EXHAUST FAN	(ROOF) TOILET/ KITCHEN	120	1	1/4 HP	-	5.8	DIV.15	1P20A	9A	20A	M-23	PROVIDE NEMA 'JR' FUSED DISCONNECT SEE NOTE 4 BELOW.
EF 4	EXHAUST FAN	ELEC. RM. #141	120	1	1/12 HP	-	2.1	DIV.15	1P20A	9A	20A	A-22	BUSMAN #SSW MANUAL DISCONNECT W/EDISON BASE FUSE. SEE NOTE 4 BELOW.
RH 1	RANGE EXHAUST HOOD	KITCHEN #119	120	1	1/12 HP	-	2.1	-	-	-	20A	C-41	CONTROL SWITCH PROVIDED ON UNIT.

- NOTES:
1. ALL STARTERS SHALL BE FURNISHED BY DIVISION 15 AND INSTALLED AND WIRED BY DIVISION 16.
 2. FUSE SIZES LISTED IN SCHEDULE ARE APPROXIMATE. COORDINATE EXACT FUSE SIZES WITH EQUIPMENT NAMEPLATES.
 3. PROVIDE NEW CONDUIT, WIRE, NEMA 'JR' FUSED DISCONNECTS, SEAL TIGHT CONNECTIONS TO UNITS AND MAKE ALL CONNECTIONS. COORDINATE EXACT CONNECTION REQUIREMENTS WITH UNITS IN FIELD, CONTACT ENGINEER CONCERNING DISCREPANCIES.
 4. POWER CIRCUIT TO BE INSTALLED VIA CONTROL RELAY (PROVIDED & INSTALLED BY DIV. 16) TO INTERFACE WITH DIV. 15 CONTROLS. COORDINATE EXACT LOCATION OF CONTROL RELAY WITH DIV. 15 CONTRACTOR.

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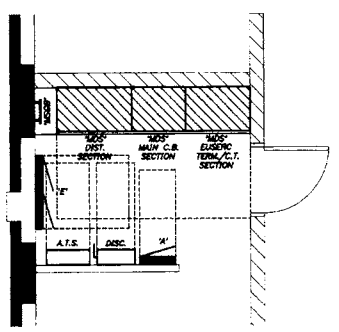
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ORIGINAL 8-SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1/4"

DRAWN BY
DEI DESIGN TEAM

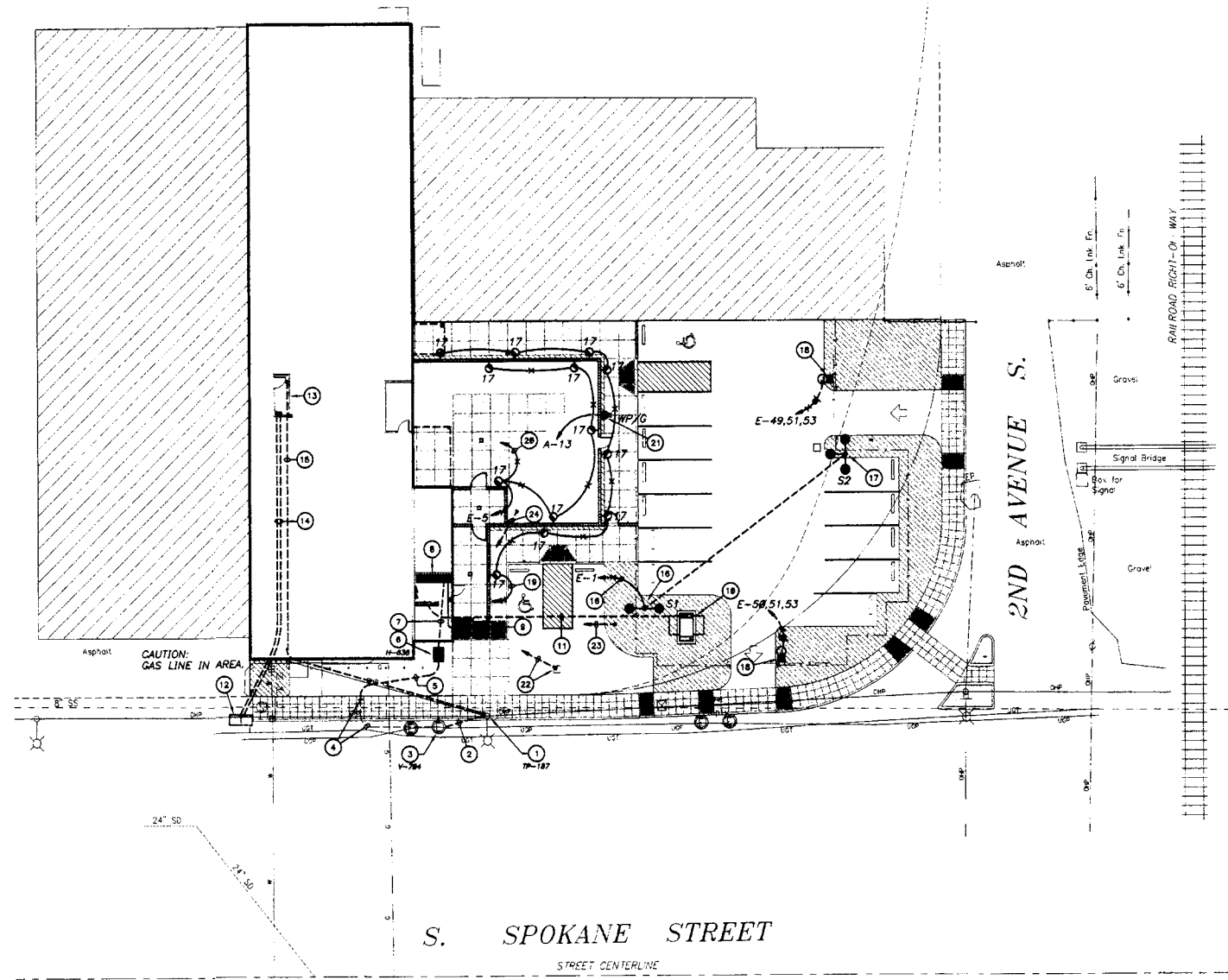
DATE
11-01-04

SHEET NO.
E0.2



NOTES:
 1. DASHED LINES DENOTE NEC WORKING CLEARANCES.
 2. PROVIDE HOUSEKEEPING PAD BELOW 'MDS'.

ENLARGED MAIN ELECTRICAL RM. PLAN
 SCALE: 1/4"=1'-0"



ELECTRICAL SITE PLAN
 SCALE: 1"=20'-0"

ELECTRICAL SITE PLAN GENERAL NOTES:

- ADDITIONAL INFORMATION HAS BEEN PROVIDED BY SEATTLE CITY LIGHT INVOLVING THE INSTALLATION OF THE NEW ELECTRICAL SERVICE. REFERENCE INSTALLATION DRAWING SR#8196 INCLUDED ON SHEET E6.5 AS WELL AS MATERIAL STANDARDS #7345.2 AND GUIDELINES U2-10, U2-11, U2-13.1, U2-11.4.4, U7-10 & U7-10.2 INCLUDED IN SPECIFICATION SECTION 16420.
- REFERENCE ARCHITECTURAL AND CIVIL SITE PLANS FOR ADDITIONAL INFORMATION ABOUT EXISTING UTILITIES IN THE AREA. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING A LOCATE AND COORDINATING WITH UTILITY COMPANIES PRIOR TO EXCAVATING FOR ANY NEW WORK. ALL UTILITY WORK SHALL BE COORDINATED WITH THE CORRESPONDING UTILITY COMPANY PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DITCHING AND BACKFILLING ASSOCIATED WITH INSTALLATION OF CONDUITS INDICATED ON THIS SHEET INCLUDING SAW CUTTING AND PATCHING OF EXISTING CONCRETE BUILDING SLAB FOR INSTALLATION OF CONDUITS FROM TELECOMMUNICATION ROOM TO EXISTING COMM. VAULT AND TP-187
- REFERENCE ONE-LINE DIAGRAM ON SHEET E5.1 FOR ADDITIONAL INFORMATION AND/OR REQUIREMENTS.

ELECTRICAL SITE PLAN KEYED NOTES:

- EXISTING SEATTLE CITY LIGHT UTILITY POLE TP-187 WITH EXISTING 240/120V 3-PHASE TRANSFORMERS CURRENTLY FEEDING BUILDING. COORDINATE TRANSFORMER CHANGE OUT WITH SEATTLE CITY LIGHT AS REQUIRED.
- DIVISION 16 TO PROVIDE AND INSTALL (1) NEW 4" PVC CONDUIT WITH PULL WIRE FROM EXISTING SEATTLE CITY LIGHT VAULT V-784 TO AND 18 FT. UP WEST FACE OF EXISTING POLE TP-187. BURIED HORIZONTAL CONDUIT SHALL BE SCH. 40, 90° BEND (36" RADIUS) AND VERTICAL RISER SHALL BE SCH. 80.
- EXISTING SEATTLE CITY LIGHT IN GROUND UTILITY VAULT V-784 ALONG SPOKANE STREET. COORDINATE EXACT STUB REQUIREMENTS INTO EXISTING VAULT WITH SEATTLE CITY LIGHT.
- EXISTING SEATTLE CITY LIGHT (2) 4" SCH. 40 PVC CONDUITS STUBBED FROM EXISTING VAULT V-784 TO SOUTH PROPERTY LINE.
- DIVISION 16 TO INTERCEPT AND EXTEND EXISTING (2) 4" SCH. 40 PVC CONDUITS FROM SOUTH PROPERTY LINE TO NEW UTILITY VAULT COMPANY #233-LA VAULT (HANDHOLE). LABEL NEW VAULT (HANDHOLE) H-636 PER SEATTLE CITY LIGHT REQUEST.
- NEW UTILITY VAULT COMPANY #233-LA CONCRETE VAULT (HANDHOLE) PROVIDED & INSTALLED BY DIVISION 16 TO BE USED FOR SPLICING UTILITY SECONDARY CONDUCTORS TO DIVISION 16 SECONDARY CONDUCTORS.
- (3 SETS) 4#400KCMIL, 4"C. SECONDARY CONDUCTORS FURNISHED AND INSTALLED BY DIVISION 16 FROM EUSERC TERMINATION/C.T. SECTION OF 'MDS' TO NEW #233-LA VAULT (HANDHOLE). PROVIDE ENOUGH SPARE CONDUCTOR FOR SEATTLE CITY LIGHT SPLICE REQUIREMENTS.
- NEW DEDICATED EUSERC TERMINATION/C.T. SECTION PROVIDED AND INSTALLED AS PART OF THE MAIN DISTRIBUTION SWITCHBOARD BY DIVISION 16 PER SEATTLE CITY LIGHT REQUIREMENTS. COORDINATE AS REQUIRED. SEE ENLARGED PLAN ON SHEET E1.1.
- NEW 13-JAW REMOTE METER SOCKET PROVIDED & INSTALLED BY DIVISION 16 PER SEATTLE CITY LIGHT REQUIREMENTS. PROVIDE 1"C. WITH PULL WIRE STUBBED FROM C.T. SECTION OF SWITCHBOARD TO REMOTE METER LOCATION. METER AND WIRING AS REQUIRED BY SEATTLE CITY LIGHT.
- NEW DIESEL GENERATOR LOCATION COMPLETE WITH SKID MOUNTED TANK, LEVEL 1 SOUND ATTENUATED ENCLOSURE AND INTERNALLY MOUNTED CRITICAL EXHAUST SILENCER.
- CONDUITS BETWEEN GENERATOR & A.T.S., REMOTE ANNUNCIATOR & PANEL 'A'. REFERENCE ONE-LINE DIAGRAM ON SHEET E5.1. COORDINATE EXACT CONNECTION REQUIREMENTS WITH GENERATOR SUPPLIER.
- EXISTING COMMUNICATIONS VAULT. PROVIDE CONDUITS PER KEYED NOTES 9 & 10 STUBBED INTO VAULT. COORDINATE EXACT STUB REQUIREMENTS WITH TELEPHONE COMPANY.
- NEW TELECOMMUNICATIONS ROOM LOCATION. REFERENCE SYSTEMS PLANE ON SHEET E4.1 FOR ADDITIONAL INFORMATION.
- PROVIDE (2) 4"C. W/PULL WIRES STUBBED FROM EXISTING COMMUNICATIONS VAULT TO BASE OF TELECOMMUNICATIONS BACKBOARD. COORDINATE EXACT REQUIREMENTS WITH QWEST.
- PROVIDE (1) 2"C. W/PULL WIRE STUBBED FROM EXISTING SEATTLE CITY LIGHT UTILITY POLE TO BASE OF TELECOMMUNICATIONS BACKBOARD FOR T.V. CABLE SIGNAL. COORDINATE EXACT REQUIREMENTS WITH CABLE COMPANY.
- HOMERUN TO PANEL VIA CONTACTOR. REFERENCE DETAIL '2' ON SHEET E6.2. ALL EXTERIOR LIGHTING SHALL CONSIST OF #10 AWG. IN 3/4"C. MINIMUM UNLESS NOTED OTHERWISE.
- PROVIDE CONCRETE BASE FOR POLE LIGHTS. REFERENCE DETAILS '1', '2' & '3' ON SHEET E6.3 FOR REQUIREMENTS.
- PROVIDE 208V, 3-PHASE POWER CONNECTION TO MOTORIZED GATE OPERATOR. COORDINATE EXACT REQUIREMENTS WITH GATE INSTALLER. PROVIDE #10 AWG. IN 1"C., TYPICAL.
- TO EXTERIOR BUILDING LIGHT CIRCUIT E-3, REFERENCE KEYED NOTE 11 ON SHEET E3.1 FOR CONTINUATION.
- TO WALL SWITCH LOCATED AT WORK STATION #120, REFERENCE KEYED NOTE 12 ON SHEET E3.1 FOR LOCATION.
- COORDINATE EXACT LOCATION OF EXTERIOR WP/G OUTLET WITH OWNER PRIOR TO ROUGH-IN.
- CATCH BASIN WITH DUPLEX STORM WATER PUMPS BY DIVISION 2. DIVISION 16 TO PROVIDE 6#12, 1#12G, 1"C. FOR PUMP POWER AND 12#14, 1"C. FOR ALARM/FLOAT CONTROL WIRES BETWEEN PUMP CONTROL PANEL (REFERENCE KEYED NOTE 23 ON SHEET E4.1 FOR LOCATION) AND CATCH BASIN. STUB CONDUITS THROUGH WALL OF CATCH BASIN INTO SEPARATE NEMA 4X JUNCTION BOXES LOCATED NEAR TOP. FLOATS INSTALLED IN CATCH BASIN AND WIRED TO NEMA 4X BOX BY DIVISION 2. DIVISION 16 TO MAKE FINAL CONNECTIONS AT PUMP CONTROL PANEL AND NEMA 4X JUNCTION BOXES PER MANUFACTURERS WIRING DIAGRAM. COORDINATE EXACT REQUIREMENTS WITH PUMP INSTALLERS. COORDINATE EXACT STUB LOCATIONS AND HEIGHTS FOR CONDUITS INTO CATCH BASIN WITH DIVISION 2.
- STUB (1) 2"C. WITH PULL WIRE FROM THIS LOCATION TO IRRIGATION CONTROLLER LOCATED IN MECHANICAL ROOM. REFERENCE KEYED NOTE 16 ON SHEET E4.1.
- STUB A 3/4"C. W/PULL WIRE FROM IRRIGATION CONTROLLER LOCATED IN MECHANICAL ROOM TO COURTYARD AREA FOR FUTURE PUMP. RECORD LOCATION OF BURIED CONDUIT WITH DIMENSIONS ON RECORD DRAWINGS FROM INSIDE S.W. CORNER OF COURTYARD, ALSO RECORD DEPTH OF CONDUIT.

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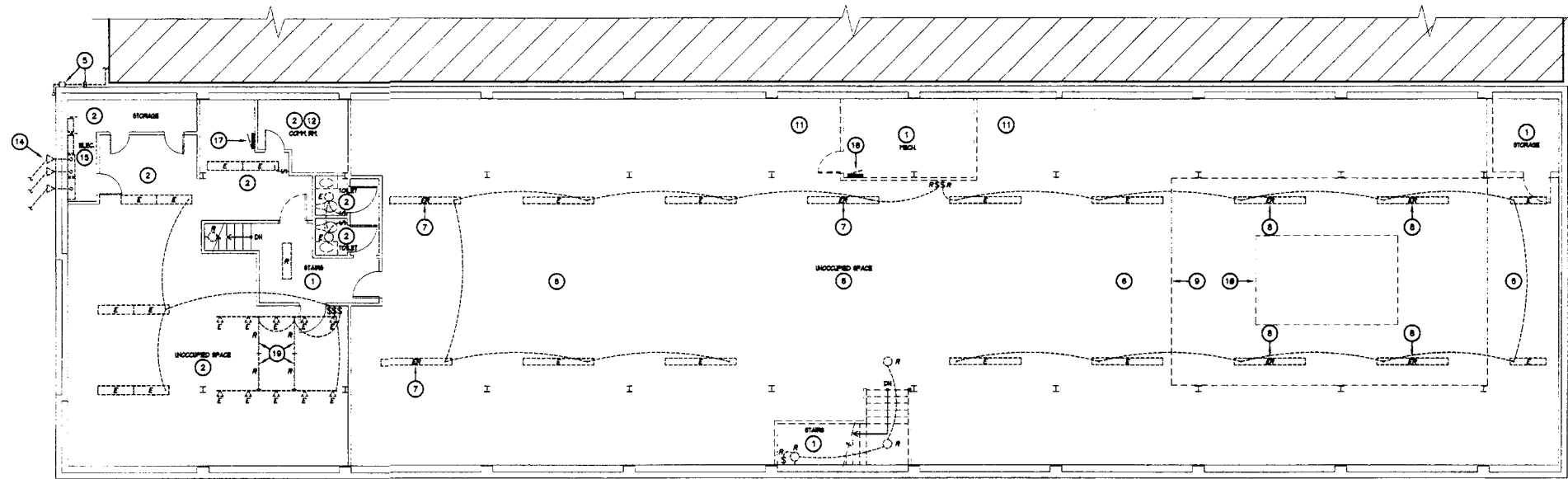
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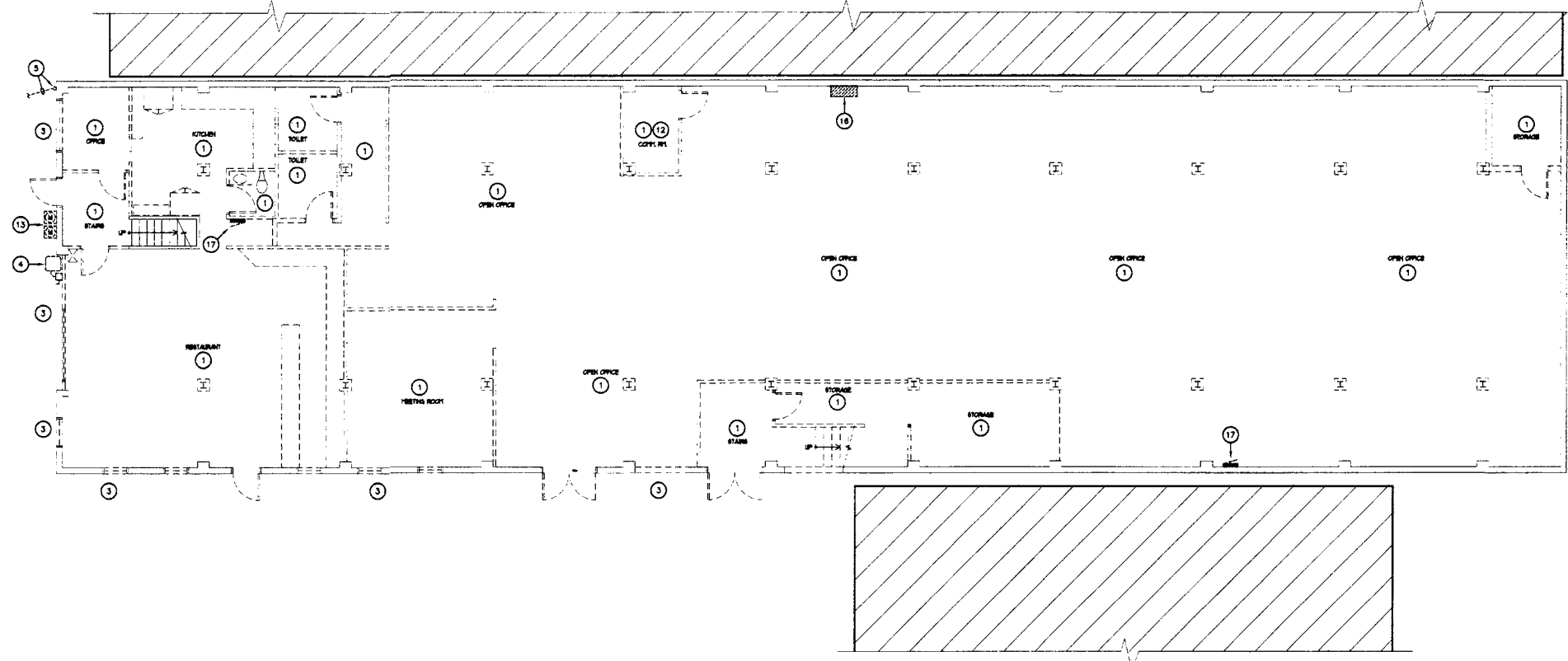
ORIGINAL SHEET
 SIZE = 24" x 36"
 HALF SIZE
 REDUCTIONS = 1/2"

DRAWN BY
 DEI DESIGN TEAM
 DATE
 11-01-04

SHEET NO.
E1.1



SECOND FLOOR ELEC. DEMO PLAN
SCALE: 1/8"=1'-0"



FIRST FLOOR ELEC. DEMO PLAN
SCALE: 1/8"=1'-0"

POWER/SYSTEMS PLAN GENERAL NOTES:

1. ALL ELECTRICAL DEMOLITION SHALL BE INCLUDED IN THE DIVISION 16 BID.
2. ALL ELECTRICAL DEMOLITION SHALL BE COORDINATED WITH THE ARCHITECTURAL AND MECHANICAL DEMOLITION PLANS AS WELL AS THE GENERAL CONTRACTOR.
3. THE INTENT OF THE DEMOLITION PLANS IS NOT TO SHOW ALL EQUIPMENT, LIGHT FIXTURES, DEVICES, CONDUIT & WIRE SCHEDULED TO BE REMOVED. THE INTENT IS TO DIFFERENTIATE BETWEEN AREAS THAT WILL BE COMPLETELY DEMOED AND THOSE AREAS THAT REQUIRE SPECIAL NOTING INVOLVING RELOCATION OF EXISTING EQUIPMENT, ITEMS TO REMAIN OR PHASING ISSUES.
4. THERE ARE (2) ADDITIONAL BRANCH PANELS (PANELS 'A' & 'C') FED FROM THE SUB-DISTRIBUTION SWITCHBOARD DESCRIBED IN KEYED NOTE 16 THAT COULD NOT BE LOCATED DURING WALK-THROUGH. THESE PANELS WERE BEHIND LOCKED DOORS OR HAD BEEN CONCEALED BY PARTITIONS OR STORAGE SHELVES. ALL EXISTING BRANCH PANELS INCLUDING THEIR FEEDERS AND BRANCH CIRCUIT WIRING SHALL BE REMOVED.

POWER/SYSTEMS PLAN KEYED NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO ALL ELECTRICAL CIRCUITS IN THE AREA INCLUDING MECHANICAL EQUIPMENT AND VARIOUS SYSTEMS PRIOR TO DEMOLITION. REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES, RECEPTACLES, SYSTEM DEVICES, ETC. INCLUDING ALL CONDUIT, WIREMOLD, PLUGSTRIP, WIRE & SYSTEMS CABLE FOR A COMPLETE ELECTRICAL DEMOLITION UNLESS SPECIFICALLY NOTED OTHERWISE. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE CONDUITORS FROM CONCEALED CONDUIT AND DEVICE FROM BOX AND PROVIDE BLANK S.S. PLATE. SPECIFIC ITEMS THAT ARE TO REMAIN INVOLVE PHASING OR SPECIAL INSTRUCTIONS ARE NOTED.
2. GENERAL CONTRACTOR HAS THE OPTION OF DEMOLISHING EXISTING SECOND FLOOR PARTITIONS IN THIS AREA, REFERENCE GENERAL NOTE 6 ON SHEET A2.1. IF PARTITION WALLS ARE TO REMAIN PROVIDE COMPLETE ELECTRICAL DEMOLITION AS DESCRIBED IN KEYED NOTE 1 EXCEPT FOR EXISTING LIGHTING AND SWITCHING WHICH SHALL REMAIN. EXISTING LIGHTING SHALL BE REFEED, REFERENCE LIGHTING PLAN ON SHEET E3.1. IF PARTITION WALLS ARE DEMOLISHED ELECTRICAL CONTRACTOR SHALL ALSO REMOVE EXISTING LIGHT FIXTURES AND SWITCHING IN THESE AREAS AS WELL AND REINSTALL THE (4) REMOVED FIXTURES DISCUSSED IN KEYED NOTE 8 ON THIS SHEET, REFERENCE OPTIONAL PARTIAL SECOND FLOOR LIGHTING PLAN ON SHEET E3.1.
3. REMOVE ALL EXTERIOR BUILDING AND/OR CANOPY MOUNTED LIGHT FIXTURES, RECEPTACLES, CONDUIT & JUNCTION BOXES.
4. DISCONNECT AND REMOVE EXTERIOR FUSED DISCONNECT SWITCH AND POWER CONNECTION TO GROUND MOUNTED CONDENSING UNIT.
5. EXISTING U.G. CONDUIT FROM EXISTING TELECOMMUNICATIONS VAULT TO BUILDING, 2" C. RISER LIP EXTERIOR OF BUILDING TO SPLICE ENCLOSURE AND EXTERIOR CABLE FEEDING ADJACENT BUILDING TO REMAIN.
6. ALL EXISTING LIGHT FIXTURES SHALL REMAIN IN THIS AREA UNLESS NOTED TO BE RELOCATED AS DESCRIBED IN KEYED NOTE 6. ALL OTHER ELECTRICAL SHALL BE REMOVED PER KEYED NOTE 1. NEW BRANCH PANEL WILL BE PROVIDED TO REFEED LIGHTING CIRCUITS, REFERENCE SHEET E3.1.
7. EXISTING PENDANT MOUNTED DIRECT/INDIRECT LIGHT FIXTURE TO BE RELOCATED. SEE SHEET E3.1 FOR NEW LOCATION AND SWITCHING REQUIREMENTS.
8. EXISTING PENDANT MOUNTED DIRECT/INDIRECT LIGHT FIXTURE TO BE REMOVED AND TURNED OVER TO OWNER IF EXISTING PARTITION WALLS DESCRIBED IN KEYED NOTE 2 REMAIN. IF PARTITION WALLS ARE REMOVED AND EXISTING LIGHTING DEMOED THEN REINSTALL THESE (4) EXISTING FIXTURES AND PROVIDE NEW SWITCHING AS INDICATED ON OPTIONAL PARTIAL SECOND FLOOR LIGHTING PLAN ON SHEET E3.1.
9. THE DASHED RECTANGULAR BOX REPRESENTS AN AREA WHERE NEW FRAMED WALLS WILL BE CONSTRUCTED FROM LOWER LEVEL CEILING TO EXISTING ROOF STRUCTURE FOR NEW SKYLIGHT. REMOVE ALL EXISTING LIGHT FIXTURES AND REROUTE ANY EXISTING CONDUIT & CIRCUITRY SERVING EXISTING LIGHT FIXTURES TO REMAIN. PROVIDE NEW CONDUIT AND WIRE AS REQUIRED AND SUPPORT PER NEC.
10. DASHED RECTANGULAR BOX REPRESENTS THE NEW SKYLIGHT TO BE INSTALLED AS MENTIONED IN KEYED NOTE 7. AGAIN REROUTE ANY EXISTING CONDUIT & WIRE SERVING EQUIPMENT TO REMAIN.
11. APPROXIMATE LOCATION OF (3) EXISTING ROOFTOP UNITS AND POWER FEED PENETRATIONS THROUGH ROOF. MIDDLE UNIT TO BE REMOVED, TWO OUTSIDE UNITS CURRENTLY SERVING UPPER FLOOR TO REMAIN. REMOVE EXISTING FEEDERS AND DISCONNECTS TO ALL (3) UNITS AND PROVIDE NEW FEEDERS AND NEMA 'JR' FUSED DISCONNECT SWITCHES TO REMAINING (2) UNITS PER EQUIPMENT SCHEDULE ON SHEET E8.2.
12. IN ADDITION TO REQUIREMENTS OF KEYED NOTE 1, REMOVE ALL EXISTING TELECOMMUNICATIONS EQUIPMENT, CONDUIT, WIRING, BACKBOARD, PUNCHDOWN BLOCKS, ETC. ANY NEW BUILDING COMMUNICATION WIRING WILL ORIGINATE FROM THE NEW TELECOMMUNICATIONS ROOM ON THE LOWER LEVEL. COORDINATE DEMOLITION WITH QUEST FOR REMOVAL OF THEIR EQUIPMENT.
13. EXISTING EXTERIOR WALL MOUNTED UTILITY OWNED METERS TO BE REMOVED, COORDINATE WITH SEATTLE CITY LIGHT AS REQUIRED. REFERENCE KEYED NOTE 15 BELOW.
14. EXISTING (2) 4" AND (1) 2" OVERHEAD ELECTRICAL SERVICE WEATHERHEADS TO BE REMOVED, COORDINATE WITH SEATTLE CITY LIGHT. REFERENCE KEYED NOTE 15 BELOW.
15. EXISTING MAIN ELECTRICAL ROOM WITH (2) EXISTING MAIN ELECTRICAL SERVICES THAT DO NOT MEET THE CURRENT NEC REQUIRED WORKING CLEARANCES AROUND EQUIPMENT. REMOVE BOTH THE 1989A AND 2004 SERVICES INCLUDING ALL C.T. ENCLOSURES, DISCONNECT SWITCHES, FEEDERS TO SUB-DISTRIBUTION EQUIPMENT AND BRANCH PANELS, ETC FOR A COMPLETE DEMOLITION. COORDINATE TIMING OF ONE OR BOTH EXISTING SERVICES WITH INSTALLATION OF NEW ELECTRICAL SERVICE TO SUPPLY TEMPORARY POWER DURING CONSTRUCTION. COORDINATE ALL WORK WITH SEATTLE CITY LIGHT.
16. EXISTING SUB-DISTRIBUTION SWITCHBOARD TO BE REMOVED COORDINATE TIMING OF REMOVAL WITH INSTALLATION OF NEW ELECTRICAL SERVICE TO SUPPLY TEMPORARY POWER DURING CONSTRUCTION.
17. EXISTING BRANCH PANEL TO BE REMOVED COORDINATE TIMING OF REMOVAL WITH INSTALLATION OF NEW ELECTRICAL SERVICE TO SUPPLY TEMPORARY POWER DURING CONSTRUCTION.
18. EXISTING BRANCH PANEL TO BE REMOVED COORDINATE TIMING OF REMOVAL WITH INSTALLATION OF NEW ELECTRICAL SERVICE TO SUPPLY TEMPORARY POWER DURING CONSTRUCTION. THIS PANEL CURRENTLY FEEDS THE FEW LIGHTING CIRCUITS ON THE UPPER FLOOR TO REMAIN. A NEW BRANCH PANEL IS BEING PROVIDED TO REFEED THESE EXISTING LIGHTING CIRCUITS, REFERENCE SHEET E3.1 FOR ADDITIONAL INFORMATION.
19. REMOVE EXISTING STRIP LIGHTS LOCATED IN EXISTING SKYLIGHT SCHEDULED TO BE DEMOLISHED. BLANK OF EXISTING WALL SWITCH.

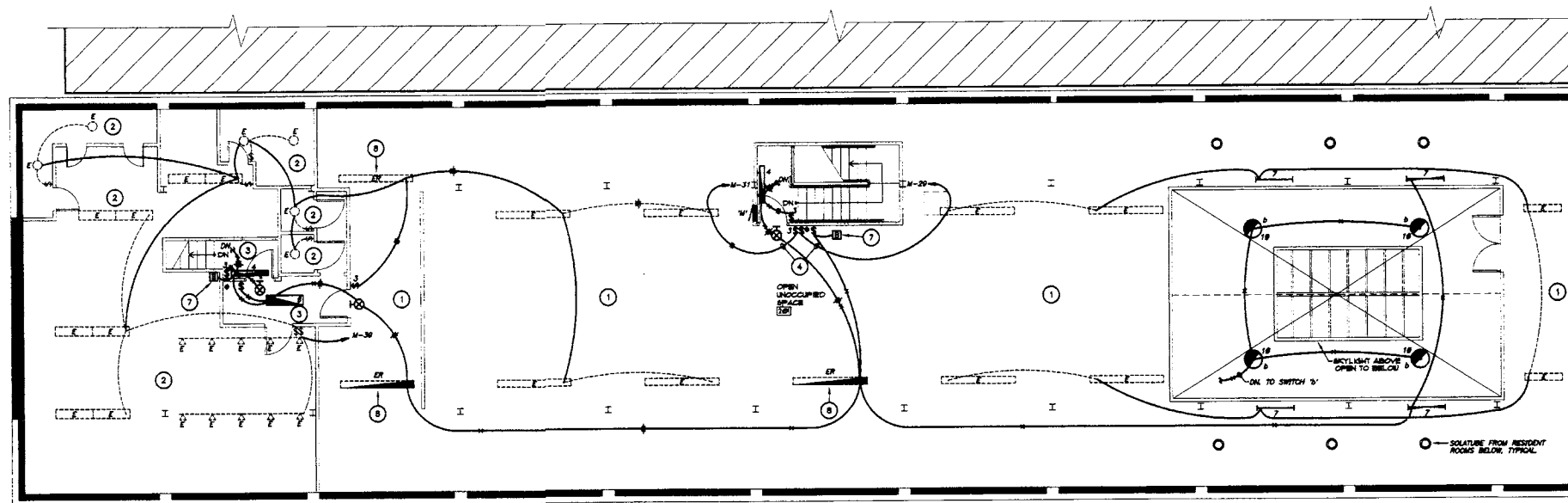
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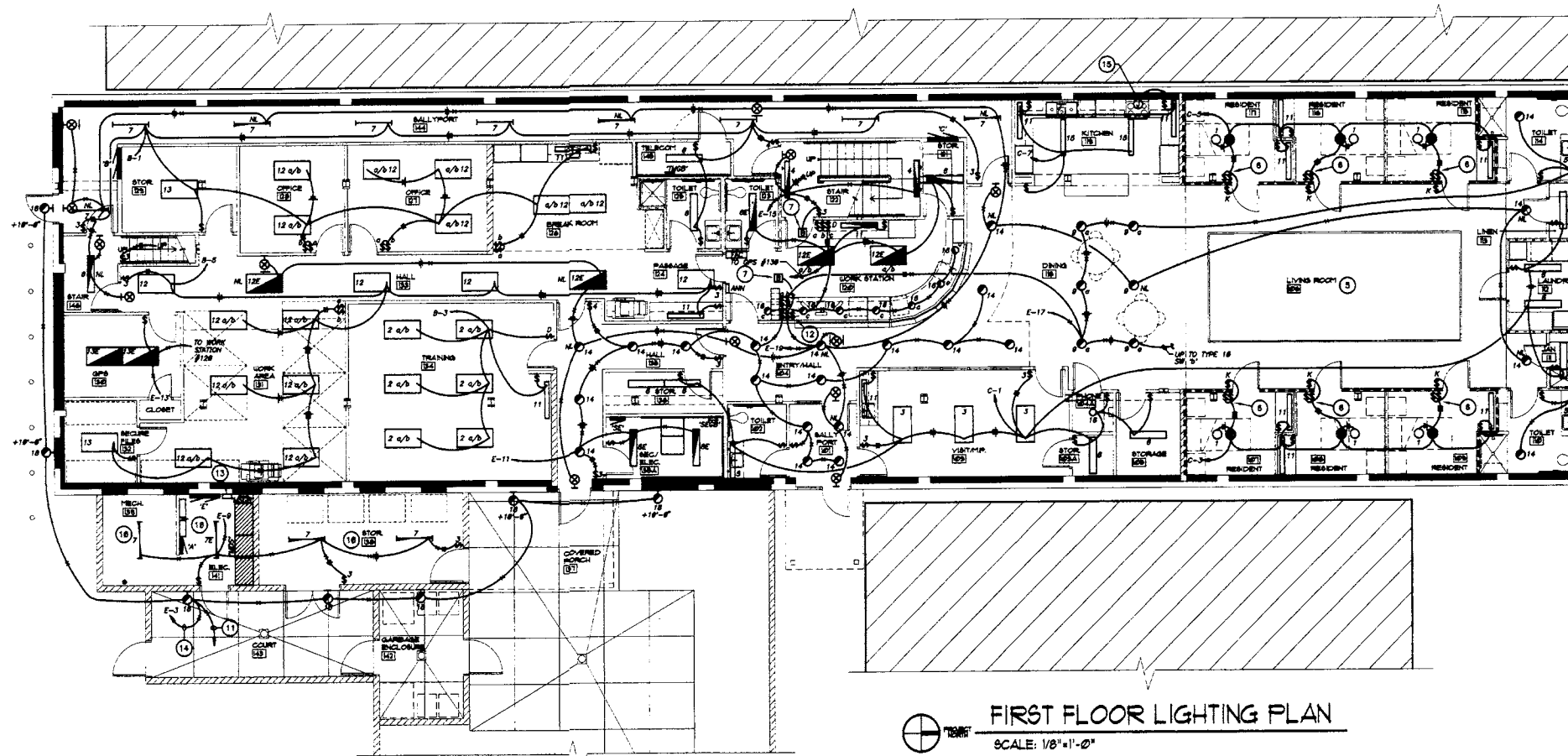
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ORIGINAL SHEET
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 HALF SIZE
 REDUCTIONS = 18" x 24"

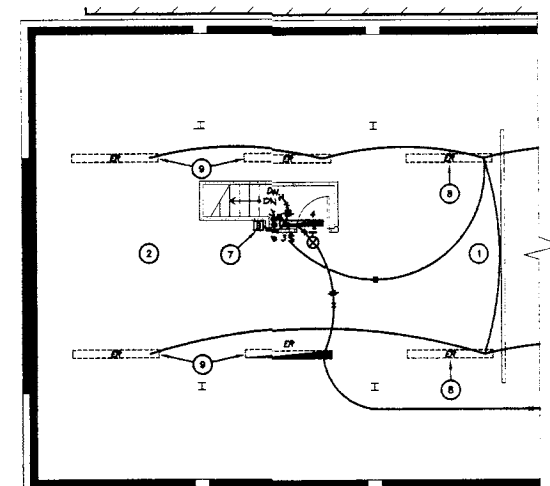
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 DATE 11-01-04
 SHEET NO.
E2.1



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



FIRST FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0"



OPTIONAL PARTIAL SECOND FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0" (REFERENCE KEYED NOTE 2)

- LIGHTING PLAN GENERAL NOTES:**
1. ALL WORK ON THIS SHEET SHALL BE INCLUDED IN DIVISION 16 BID.
 2. COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURES WITH REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
 3. ALL EXTERIOR LIGHTS ARE NEW FIXTURES AND SHALL BE HAVE JUNCTION BOXES CUT INTO BLOCK OR INSTALLED ABOVE ACCESSIBLE CEILING SPACES INSIDE AND CMU WALLS CORE DRILLED TO FEED FIXTURE (SECOND OPTION IS ACCEPTABLE IF FIXTURE IS RATED FOR DIRECT CONDUIT ENTRY. NO SURFACE CONDUIT OR BOXES WILL BE ACCEPTED.
 4. ALL EXTERIOR LIGHTING CIRCUITING SHALL BE CONCEALED IN NEW CONSTRUCTION, ROUTED ABOVE ACCESSIBLE CEILINGS INSIDE BUILDING, ETC. CIRCUITING SHALL CONSIST OF #10 AWG. IN 3/4" C. THROUGHOUT. REFERENCE DETAIL '2' ON SHEET E6.2.
 5. ALL CIRCUITING FEEDING THE NIGHT LIGHTS (CIRCUIT E-19) SHALL CONSIST OF #10 AWG. IN 3/4" C. THROUGHOUT THE ENTIRE BUILDING DUE TO VOLTAGE DROP.
 6. ALL CONDUIT SHALL BE CONCEALED IN NEW CONSTRUCTION ON LOWER LEVEL CONDUIT ON THE UPPER LEVEL SHALL BE CONCEALED WHERE POSSIBLE BUT CAN BE RAN EXPOSED ALONG TRUSSES, CEILINGS AND WALLS SIMILAR TO THE EXISTING. SECURE ALL CONDUIT PER NEC.

- LIGHTING PLAN KEYED NOTES:**
1. FOR THE MOST PART EXISTING LIGHTING TO REMAIN IN THIS AREA. A FEW FIXTURES ARE SCHEDULED FOR RELOCATION REFERENCE KEYED NOTE 6. PROVIDE NEW CONDUIT AND WIRE AS REQUIRED TO SWITCH AND REFEED EXISTING AND EXISTING RELOCATED FIXTURES AS SHOWN FROM NEW PANEL 'M'. REFERENCE PANEL SCHEDULE.
 2. GENERAL CONTRACTOR HAS THE OPTION OF DEMOLISHING EXISTING SECOND FLOOR PARTITION IN THIS AREA. REFERENCE GENERAL NOTE 6 ON SHEET A2.1. IF PARTITION WALLS ARE TO REMAIN REFEED EXISTING LIGHTS AS SHOWN ON SECOND FLOOR LIGHTING PLAN. IF WALLS ARE DEMOLISHED ELECTRICAL CONTRACTOR SHALL REINSTALL THE (4) FIXTURES REMOVED DURING DEMOLITION (REFERENCE KEYED NOTE 8 ON SHEET E2.1) AS SHOWN ON OPTIONAL PARTIAL SECOND FLOOR LIGHTING PLAN AND DESCRIBED IN KEYED NOTE 9 ON THIS SHEET. PROVIDE NEW CONDUIT AND WIRE AS REQUIRED IN EITHER CASE TO FEED AND CONTROL LIGHT FIXTURES AS SHOWN FROM NEW PANEL 'M'.
 3. PROVIDE NEW FIXTURES, CONDUIT & WIRE IN THIS AREA AS SHOWN. CONCEAL CONDUIT IN EXISTING FRAMING PRIOR TO INSTALLING NEW GYPBOARD FINISH BEING INSTALLED.
 4. NEW SWITCHING TO CONTROL EXISTING NORTH SIDE FIXTURES AND SOUTH SIDE FIXTURES. PROVIDE NEW CONDUIT & WIRE AS REQUIRED.
 5. SEE SECOND FLOOR LIGHTING PLAN FOR PENDANT LIGHT FIXTURES IN THIS AREA.
 6. PROVIDE (2) STANDARD SWITCHES IN 2-GANG BOX INSIDE EACH RESIDENT ROOM. ONE TO CONTROL (2) 26W LAMPS IN TYPE 1 FIXTURE AND SECOND TO CONTROL (2) 100W INCANDESCENT LAMPS FURNISHED WITH SOLATUBE. ALSO PROVIDE (1) KEYED SWITCH IN 1-GANG BOX OUTSIDE EACH RESIDENT ROOM TO CONTROL NIGHTLIGHT LAMP IN TYPE 1 FIXTURE. COORDINATE EXACT CONNECTION REQUIREMENTS FOR SOLATUBE LIGHT WITH SOLATUBE INSTALLER. MAKE ALL CONNECTIONS.
 7. PROVIDE BODINE OTD20 SWITCH BYPASS DEVICE FOR EGRESS/NIGHTLIGHT CONTROL MOUNTED ABOVE ACCESSIBLE CEILING IN WORK STATION. MOUNT CONTROL SWITCH ON BACK WALL OF CONTROL STATION. PROVIDE ENGRAVED PLATE THAT READS "NIGHTLIGHTS". REFERENCE DETAIL '5' ON SHEET E6.2.
 8. EXISTING PENDANT MOUNTED DIRECT/INDIRECT LIGHT FIXTURE RELOCATED TO THIS LOCATION. PENDANT MOUNT SIMILAR TO EXISTING FIXTURES AT SAME ELEVATION. REFERENCE KEYED NOTE 7 ON SHEET E2.1 FOR EXISTING LOCATION.
 9. EXISTING PENDANT MOUNTED DIRECT/INDIRECT LIGHT FIXTURE RELOCATED TO THIS LOCATION. PENDANT MOUNT SIMILAR TO EXISTING FIXTURES AT SAME ELEVATION. REFERENCE KEYED NOTE 8 ON SHEET E2.1 FOR EXISTING LOCATION.
 10. CHAIN HANG TYPE 7 FIXTURES AT 10'-0" A.F.F., COORDINATE EXACT LOCATIONS TO MISS DUCTWORK AND PIPING.
 11. TO COURTYARD WALL MOUNTED LIGHTS, SEE KEYED NOTE 19 ON SHEET E1.1 FOR CONTINUATION.
 12. PROVIDE SWITCH TO CONTROL COURTYARD NON-SECURITY LIGHTS. REFERENCE KEYED NOTE 28 ON SHEET E1.1 AND DETAIL 6 ON SHEET E6.2.
 13. MOUNT EXTERIOR LIGHTING BYPASS SWITCH, TIME CLOCK AND CONTACTOR NEXT TO PANEL '1'. REFERENCE DETAIL '2' ON SHEET E6.2. DEVICES SHOULD BE STACKED ABOVE ONE ANOTHER TO CONSERVE SPACE.
 14. HOMERUN TO PANEL VIA CONTACTOR, REFERENCE DETAIL '2' ON SHEET E6.2. ALL EXTERIOR LIGHTING SHALL CONSIST OF #10 AWG. IN 3/4" C. MINIMUM UNLESS NOTED OTHERWISE.
 15. PROVIDE 120V CONNECTION TO RANGE HOOD LIGHTS, SWITCH PROVIDED ON HOOD.

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON

RE-BID

11-17-2003

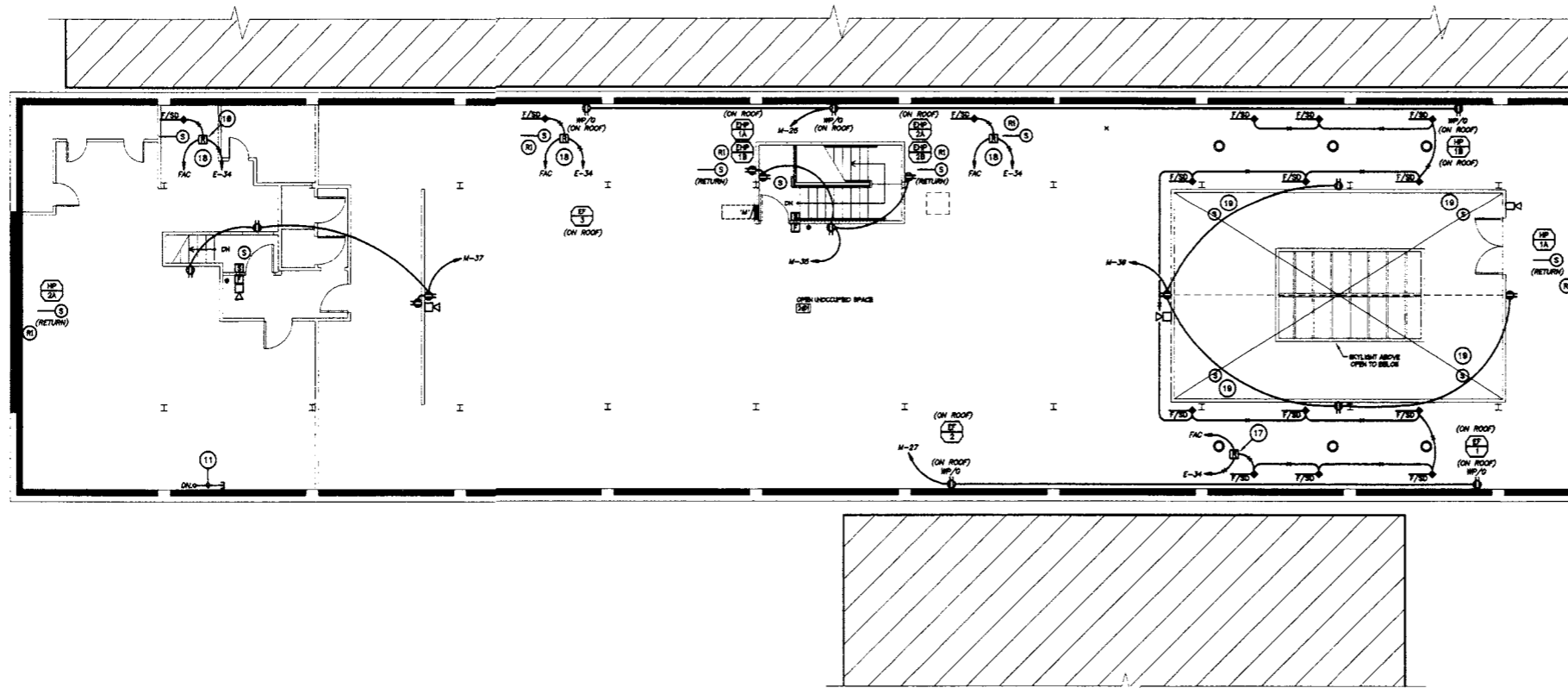
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE - 24 x 36
HALF SIZE
REDUCTIONS - 1/2"

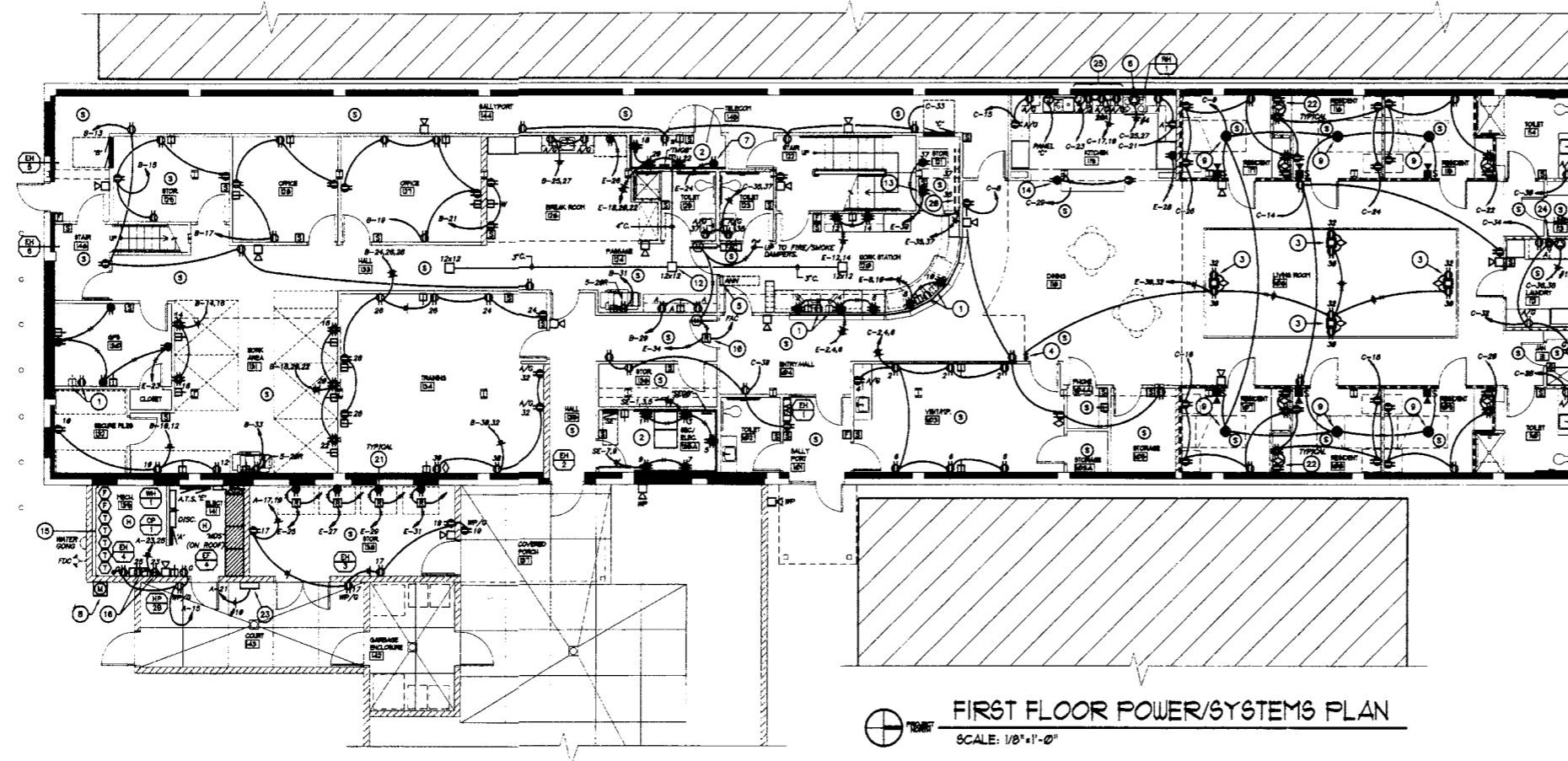
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DATE
11-01-04

SHEET NO.
E3.1



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



FIRST FLOOR POWER/SYSTEMS PLAN
SCALE: 1/8"=1'-0"

POWER/SYSTEMS PLAN GENERAL NOTES:

1. ALL WORK ON THIS SHEET SHALL BE INCLUDED IN DIVISION 16 BID.
2. COORDINATE MOUNTING HEIGHTS OF ALL DEVICES AT CASEWORK LOCATIONS WITH ARCHITECTURAL ELEVATIONS. 'A' DENOTES ABOVE COUNTERTOP.
3. ALL CONDUIT SHALL BE CONCEALED IN NEW CONSTRUCTION ON LOWER LEVEL. CONDUIT ON THE UPPER LEVEL SHALL BE CONCEALED WHERE POSSIBLE BUT CAN BE RAN EXPOSED ALONG TRUSSES, CEILINGS AND WALLS SIMILAR TO THE EXISTING. SECURE ALL CONDUIT PER NEC.
4. THERE IS NO PREMISE WIRING SPECIFICATION SECTION AS RACEWAYS ONLY ARE BEING PROVIDED. DIVISION 16 IS TO PROVIDE ALL VOICE/DATA OUTLET LOCATION ROUGH-IN AND 3" CONDUITS ABOVE ACCESSIBLE CEILING AS INDICATED ON THIS SHEET. REFERENCE DETAIL '5' ON SHEET E6.3 FOR ADDITIONAL INFORMATION.

POWER/SYSTEMS PLAN KEYED NOTES:

- 1 SECURITY/ELECTRONICS 'UPS' POWERED DUPLEX RECEPTACLE AND DATA OUTLET PROVIDED BY DIVISION 17. DEVICE LOCATIONS ARE SHOWN FOR COORDINATION PURPOSES. REFERENCE SHEET SE2.1.
- 2 WALLS SHALL BE WRAPPED WITH 1/2" PLYWOOD BACKBOARD 8 FT. HIGH AS INDICATED. PLYWOOD SHALL BE PAINTED WITH 2 COATS OF GRAY INTUMESCENT (FIRE RETARDANT) PAINT. FLUSH MOUNT 4-PLY RECEPTABLES SO THAT DEVICE IS FLUSH WITH FACE OF PLYWOOD. INSTALL GROUND BAR AT +12" A.F.F. TO PYWOOD BACKBOARD AT LOCATION SHOWN.
- 3 NEW RECESSED ACTIVATED FLOOR BOX. SAW CUT AND PATCH EXISTING CONCRETE FLOOR AS REQUIRED. PROVIDE SEPARATE CONDUITS AS FOLLOWS: 3/4"C. FOR POWER, 3/4"C. FOR T.V. CABLE AND SPARE 3/4"C. STUBBED TO ACCESSIBLE CEILING SPACE ABOVE WORK STATION #120 FROM EACH BOX. INSTALL CARPET PATCH IN CARPET TRIM RING LID.
- 4 PROVIDE FLUSH MOUNTED WALL SWITCH MOUNTED IN 3-GANG BOX ALONG WITH 2 ADDITIONAL LIGHT SWITCHES SHOWN ON SHEET E3.1. SWITCH SHALL CONTROL (1) DUPLEX RECEPTACLE IN EACH FLOOR BOX (CIRCUIT E-32).
- 5 INSTALL FLUSH MOUNTED REMOTE ANNUNCIATOR PANEL FOR GENERATOR IN WALL. INSTALL AS FAR WEST ON WALL AS POSSIBLE SO IT IS NOT BEHIND DOOR IN THE OPEN POSITION.
- 6 PROVIDE 200V, 1-PHASE, 60A RECEPTACLE WITH MATCHING CORD (3-WIRE W/GROUND) AND PLUG FOR RANGE CONNECTION. COORDINATE EXACT ROUGH-IN LOCATION FOR RECEPTACLE ON WALL WITH INSTALLATION DIAGRAM SO RANGE WILL FIT TIGHT TO WALL AND NOT INTERFERE WITH PLUG.
- 7 T.V. HEADEND EQUIPMENT LOCATION. INSTALL DISTRIBUTION AMP IN WALL MOUNTED CABINET. PROVIDE DUPLEX RECEPTACLE MOUNTED IN WALL AT BACK OF CABINET.
- 8 PROVIDE 15-JAW METER SOCKET PER SEATTLE CITY LIGHT REQUIREMENTS MOUNTED ON BUILDING EXTERIOR WITH 1"C. AND PULL WIRE TO EUSERC TERMINATION/C.T. SECTION OF SWITCHBOARD. COORDINATE EXACT REQUIREMENTS WITH SEATTLE CITY LIGHT.
- 9 ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO SOLATUBE DAYLIGHT DIMMER POWER SUPPLIES FURNISHED WITH SOLATUBES. ALSO INSTALL 1-GANG BOX & MUD RING WITH CONDUIT FROM WALL SWITCH LOCATION (SWITCH FURNISHED WITH SOLATUBE) TO DAYLIGHT DIMMER FOR LOW VOLTAGE CONTROL WIRING. MAKE ALL CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM. COORDINATE WITH INSTALLATION/WIRING DIAGRAM.
- 10 PROVIDE FIRE ALARM CONNECTION TO MAGNETIC HOLD OPENS SO DOORS RELEASE UPON ALARM. SEE DETAIL '3' ON SHEET E6.1.
- 11 2"C. WITH PULL WIRE FROM SECOND LEVEL DOWN TO 'MDS' DISTRIBUTION FOR FUTURE SECOND LEVEL PANEL FEED.
- 12 PROVIDE (3) 12"x12" JUNCTION BOXES ABOVE ACCESSIBLE CEILINGS AS SHOWN. CONNECT TOGETHER VIA 3"C. WITH 4"C. STUBBED FROM CENTER JUNCTION BOX INTO TELECOMM. RM. #145. PROVIDE PULL WIRES IN ALL EMPTY CONDUITS AND NYLON THROATED FITTING WITH PLASTIC BUSHING AT ALL CONDUIT ENDS.
- 13 INSTALL DUPLEX RECEPTACLE FOR GPS RERADIATING SYSTEM POWER UP HIGH ON WALL NEAR AMPLIFIER. COORDINATE WITH DIVISION 17 FOR EXACT LOCATION.
- 14 FLUSH MOUNT RECEPTACLE HORIZONTALLY IN CASEWORK JUST BELOW COUNTERTOP. TYPICAL AT EACH END. ROUTE CONDUIT TO FURRED COLUMN AND UP TO CEILING SPACE.
- 15 FIRE SPRINKLER SYSTEM WILL BE DESIGNED BY A FIRE SPRINKLER CONTRACTOR AND STAMPED BY A FIRE PROTECTION ENGINEER PER SECTION 15509 AND INCLUDE WALL MOUNTED FDC, WATER GONG, FLOW SWITCHES, TAMPER SWITCHES, ETC. FIRE ALARM SYSTEM CONTRACTOR SHALL COORDINATE WITH FIRE SPRINKLER CONTRACTOR TO PROVIDE THE CORRECT NUMBER OF FLOW AND TAMPER SWITCHES AS REQUIRED.
- 16 PROVIDE 120VAC FOR IRRIGATION CONTROLLER & MECHANICAL DDC SYSTEM/TIME CLOCK POWER. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH IRRIGATION & MECHANICAL CONTRACTORS.
- 17 PROVIDE CONNECTIONS TO FIRE/SMOKE DAMPERS SO THAT ALL DAMPERS LOCATED WITHIN THE RESIDENT HOUSING AREA (SERVED BY A SINGLE HVAC SYSTEM AND PROVIDED WITH A TOTAL-COVERAGE SMOKE DETECTION SYSTEM) ARE CONTROLLED BY THE SMOKE DETECTION SYSTEM PER IFC 715.3.2.1(5).
- 18 PROVIDE CONNECTIONS TO FIRE/SMOKE DAMPER SO THAT ALL DAMPER IS CONTROLLED BY A DUCT SMOKE DETECTOR INSTALLED IN THE VERTICAL SECTION OF DUCT WITHIN 5 FT. OF THE DAMPER PER IFC 715.3.2.1(1).
- 19 INSTALL SMOKE DETECTOR ON HIGH CEILING OF SKYLIGHT AREA, TYPICAL OF (4) LOCATIONS.
- 20 PROVIDE (2) 7 FT. SECTIONS OF PLUGSTRIP WITH SINGLE RECEPTACLE EVERY 6" O.C., (1) SECTION MOUNTED AT +42" A.F.F. (CIRCUIT E-35) AND (1) SECTION MOUNTED AT +60" A.F.F. (CIRCUIT E-37). COORDINATE EXACT HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- 21 PROVIDE RECEPTACLE TO FEED FREEZER WITH LOSS OF POWER ALARM AT TOUCH PANEL PANEL AT WORK STATION #120. REFERENCE DETAIL 5 ON SHEET E6.1.
- 22 INSTALL DUPLEX RECEPTACLE AND T.V. CABLE OUTLET AT T.V./VCR SHELVES HEIGHT. COORDINATE WITH ARCHITECTURAL ELEVATIONS. TYPICAL AT EACH RESIDENT ROOM.
- 23 DIVISION 16 TO PROVIDE 120VAC POWER TO STORM WATER DUPLEX PUMP CONTROL PANEL AND CONDUIT & WIRE FOR PUMP POWER AND FLOAT CONTROL WIRING FROM CONTROL PANEL TO CATCH BASIN. REFERENCE KEYED NOTE 21 ON SHEET E6.1. COORDINATE EXACT CONTROL PANEL LOCATION WITH DIVISION 2. MAKE ALL CONNECTIONS.
- 24 INSTALL WASHER AND DRYER CONNECTIONS BELOW COUNTERTOP AND DUPLEX RECEPTACLE ABOVE COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
- 25 INSTALL CONNECTION TO DISHWASHER BELOW COUNTERTOP. (1) DUPLEX RECEPTACLE CENTERED ON DISHWASHER ABOVE COUNTERTOP. (1) DUPLEX RECEPTACLE FOR MICROWAVE CENTERED IN MICROWAVE CABINET AND (1) DUPLEX RECEPTACLE CENTERED BETWEEN MICROWAVE AND RANGE ABOVE COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATIONS.

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11-17-2005

KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22" x 34"
HALF SIZE
REDUCTIONS = 1/2"

DRAWN BY
DEI DESIGN TEAM

DATE
11-01-04

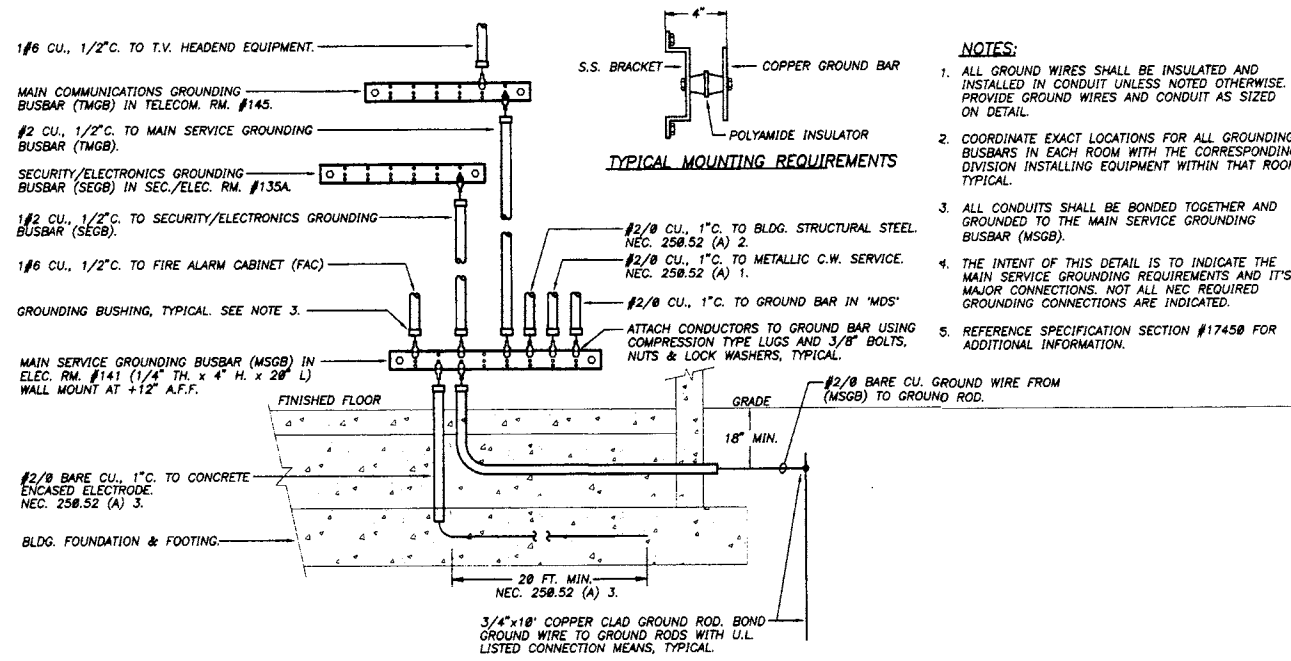
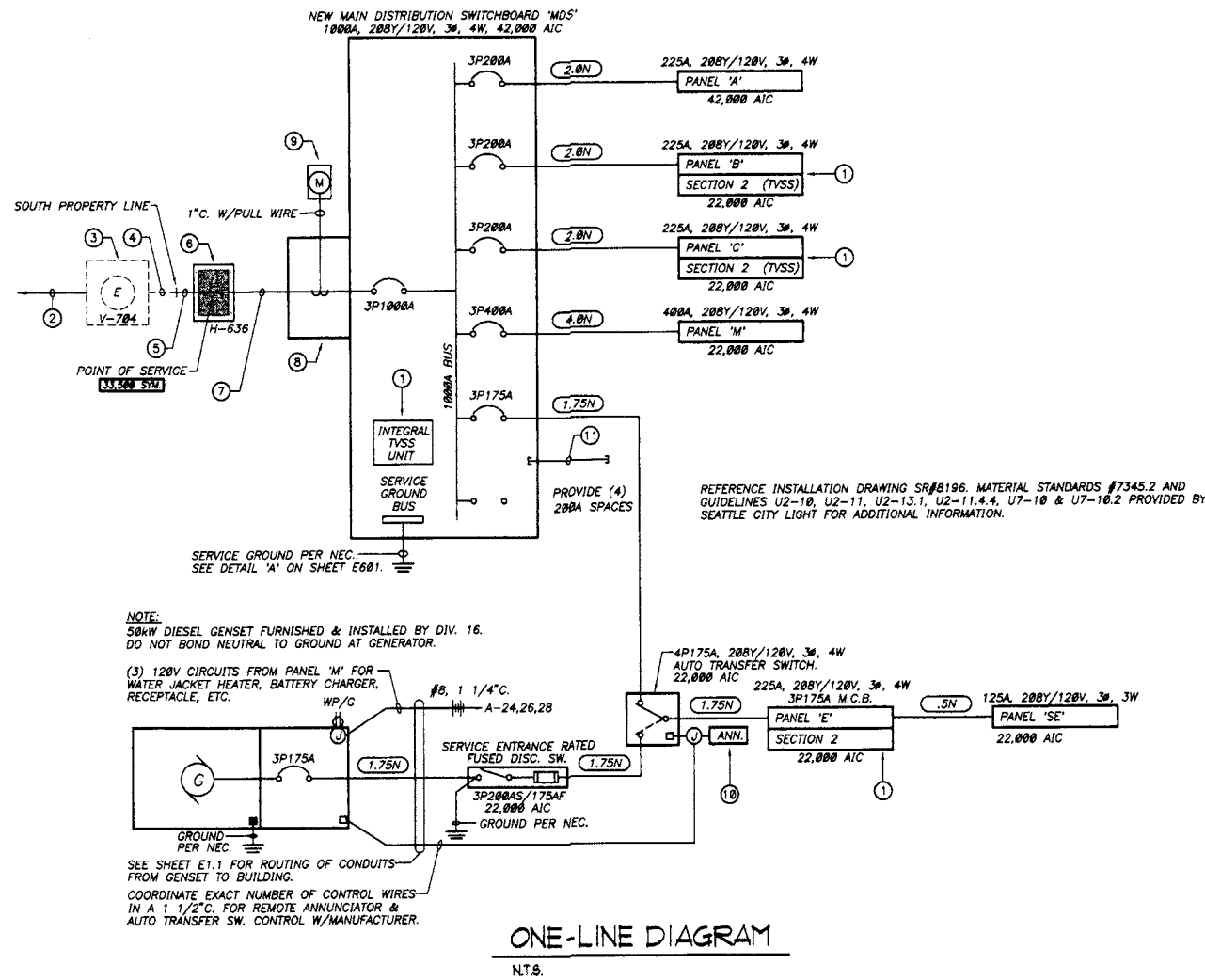
SHEET NO.
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DEEDIT

1. ADDITIONAL INFORMATION HAS BEEN PROVIDED BY SEATTLE CITY LIGHT INVOLVING THE INSTALLATION OF THE NEW ELECTRICAL SERVICE. REFERENCE INSTALLATION DRAWING SR#8196 INCLUDED ON SHEET E6.5 AS WELL AS MATERIAL STANDARDS #7345.2 AND GUIDELINES U2-10, U2-11, U2-13.1, U2-11.4.4, U7-10 & U7-10.2 INCLUDED IN SPECIFICATION SECTION 16420.

ONE-LINE DIAGRAM KEYED NOTES:

- 1 PROVIDE FACTORY MOUNTED DIRECT BUS CONNECTED SURGE SUPPRESSION (TVSS) UNIT.
- 2 DIVISION 16 TO PROVIDE AND INSTALL (1) NEW 4" PVC CONDUIT WITH PULL WIRE FROM EXISTING SEATTLE CITY LIGHT VAULT V-704 TO AND 10 FT. UP WEST FACE OF EXISTING POLE TP-187. BURIED HORIZONTAL CONDUIT SHALL BE SCH. 40, 90° BEND (36" RADIUS) AND VERTICAL RISER SHALL BE SCH. 80.
- 3 EXISTING SEATTLE CITY LIGHT IN GROUND UTILITY VAULT V-704 ALONG SPOKANE STREET. COORDINATE EXACT STUB REQUIREMENTS INTO EXISTING VAULT WITH SEATTLE CITY LIGHT.
- 4 EXISTING SEATTLE CITY LIGHT (2) 4" SCH. 40 PVC CONDUITS STUBBED FROM EXISTING VAULT V-704 TO SOUTH PROPERTY LINE.
- 5 DIVISION 16 TO INTERCEPT AND EXTEND EXISTING (2) 4" SCH. 40 PVC CONDUITS FROM SOUTH PROPERTY LINE TO NEW UTILITY VAULT COMPANY #233-LA VAULT (HANDHOLE). LABEL NEW VAULT (HANDHOLE) H-636 PER SEATTLE CITY LIGHT REQUEST.
- 6 NEW UTILITY VAULT COMPANY #233-LA CONCRETE VAULT (HANDHOLE) PROVIDED & INSTALLED BY DIVISION 16 TO BE USED FOR SPLICING UTILITY SECONDARY CONDUCTORS TO DIVISION 16 SECONDARY CONDUCTORS.
- 7 (3 SETS) 4#400KCMIL, 4" C. SECONDARY CONDUCTORS FURNISHED AND INSTALLED BY DIVISION 16 FROM EUSERC TERMINATION/C.T. SECTION OF 'MDS' TO NEW #233-LA SPLICE VAULT (HANDHOLE). PROVIDE ENOUGH SPARE CONDUCTOR FOR SEATTLE CITY LIGHT SPLICE REQUIREMENTS.
- 8 NEW DEDICATED EUSERC TERMINATION/C.T. SECTION PROVIDED AND INSTALLED AS PART OF THE MAIN DISTRIBUTION SWITCHBOARD BY DIVISION 16 PER SEATTLE CITY LIGHT REQUIREMENTS. COORDINATE AS REQUIRED. SEE ENLARGED PLAN ON SHEET E1.1.
- 9 NEW 13-JAW REMOTE METER SOCKET PROVIDED & INSTALLED BY DIVISION 16 PER SEATTLE CITY LIGHT REQUIREMENTS. PROVIDE 1" C. WITH PULL WIRE STUBBED FROM C.T. SECTION OF SWITCHBOARD TO REMOTE METER LOCATION. METER AND WIRING AS REQUIRED BY SEATTLE CITY LIGHT.
- 10 RECESS MOUNT GENERATOR REMOTE ANNUNCIATOR IN WORK STATION #120. SEE SHEET E4.1 FOR LOCATION.
- 11 STUB A 2" C. WITH PULL WIRE FROM 'MDS' DISTRIBUTION CENTER TO SECOND LEVEL. STUB CONDUIT ALONG EAST WALL JUST ABOVE SECOND LEVEL FLOOR.



BRANCH CIRCUIT & FEEDER SCHEDULE

AMPACITY (AMPS)	SYM. ID.	(CU) WIRE WITH NEUTRAL	TYPE	CONDUIT	SYM. ID.	(CU) WIRE WITHOUT NEUTRAL	TYPE	CONDUIT
20	.2N	4#12, 1#12G	THHN/THWN	3/4"	.2	3#12, 1#12G	THHN/THWN	3/4"
30	.3N	4#10, 1#10G	THHN/THWN	3/4"	.3	3#10, 1#10G	THHN/THWN	3/4"
40	.4N	4#8, 1#10G	THHN/THWN	1"	.4	3#8, 1#10G	THHN/THWN	1"
50	.5N	4#6, 1#10G	THHN/THWN	1"	.5	3#6, 1#10G	THHN/THWN	1 1/2"
60	.6N	4#4, 1#10G	THHN/THWN	1 1/2"	.6	3#4, 1#10G	THHN/THWN	1 1/2"
70	.7N	4#4, 1#8G	THHN/THWN	1 1/2"	.7	3#4, 1#8G	THHN/THWN	1 1/2"
80	.8N	4#3, 1#8G	THHN/THWN	1 1/2"	.8	3#3, 1#8G	THHN/THWN	1 1/2"
90	.9N	4#2, 1#8G	XHHW-2	1 1/2"	.9	3#2, 1#8G	XHHW-2	1 1/2"
100	1.0N	4#1, 1#8G	XHHW-2	1 1/2"	1.0	3#1, 1#8G	XHHW-2	1 1/2"
125	1.25N	4#1, 1#6G	XHHW-2	1 1/2"	1.25	3#1, 1#6G	XHHW-2	1 1/2"
150	1.5N	4#1/0, 1#6G	XHHW-2	1 1/2"	1.5	3#1/0, 1#6G	XHHW-2	1 1/2"
175	1.75N	4#2/0, 1#6G	XHHW-2	2"	1.75	3#2/0, 1#6G	XHHW-2	2"
200	2.0N	4#3/0, 1#6G	XHHW-2	2"	2.0	3#3/0, 1#6G	XHHW-2	2"
225	2.25N	4#4/0, 1#4G	XHHW-2	2 1/2"	2.25	3#4/0, 1#4G	XHHW-2	2"
250	2.5N	4#250 KCMIL, 1#4G	XHHW-2	2 1/2"	2.5	3#250 KCMIL, 1#4G	XHHW-2	2 1/2"
300	3.0N	4#350 KCMIL, 1#4G	XHHW-2	3"	3.0	3#350 KCMIL, 1#4G	XHHW-2	2 1/2"
350	3.5N	4#500 KCMIL, 1#2G	XHHW-2	3 1/2"	3.5	3#500 KCMIL, 1#2G	XHHW-2	3 1/2"
400	4.0N	4#600 KCMIL, 1#2G	XHHW-2	4"	4.0	3#600 KCMIL, 1#2G	XHHW-2	3 1/2"
450	4.5N	(2) SETS 4#4/0, 1#2G	XHHW-2	2-2 1/2"	4.5	(2) SETS 3#4/0, 1#2G	XHHW-2	2-2"
500	5.0N	(2) SETS 4#250 KCMIL, 1#2G	XHHW-2	2-2 1/2"	5.0	(2) SETS 3#250 KCMIL, 1#2G	XHHW-2	2-2 1/2"
600	6.0N	(2) SETS 4#350 KCMIL, 1#1G	XHHW-2	2-3"	6.0	(2) SETS 3#350 KCMIL, 1#1G	XHHW-2	2-2 1/2"
700	7.0N	(2) SETS 4#500 KCMIL, 1#1/0G	XHHW-2	2-3 1/2"	7.0	(2) SETS 3#500 KCMIL, 1#1/0G	XHHW-2	2-3 1/2"
800	8.0N	(2) SETS 4#600 KCMIL, 1#1/0G	XHHW-2	2-4"	8.0	(2) SETS 3#600 KCMIL, 1#1/0G	XHHW-2	2-3 1/2"
1000	1.0N	(3) SETS 4#400 KCMIL, 1#2/0G	XHHW-2	3-3"	1.0	(3) SETS 3#400 KCMIL, 1#2/0G	XHHW-2	3-3"
1200	1.2N	(4) SETS 4#350 KCMIL, 1#3/0G	XHHW-2	4-3"	1.2	(4) SETS 3#350 KCMIL, 1#3/0G	XHHW-2	4-2 1/2"
1600	1.6N	(4) SETS 4#600 KCMIL, 1#4/0G	XHHW-2	4-4"	1.6	(4) SETS 3#600 KCMIL, 1#4/0G	XHHW-2	4-3 1/2"
2000	2.0N	(5) SETS 4#600 KCMIL, 1#250 KCMILG	XHHW-2	5-4"	2.0	(5) SETS 3#600 KCMIL, 1#250 KCMILG	XHHW-2	5-3 1/2"
2500	2.5N	(6) SETS 4#600 KCMIL, 1#350 KCMILG	XHHW-2	6-4"	2.5	(6) SETS 3#600 KCMIL, 1#350 KCMILG	XHHW-2	6-3 1/2"
3000	3.0N	(8) SETS 4#500 KCMIL, 1#400 KCMILG	XHHW-2	8-4"	3.0	(8) SETS 3#500 KCMIL, 1#400 KCMILG	XHHW-2	8-4"
4000	4.0N	(10) SETS 4#600 KCMIL, 1#500 KCMILG	XHHW-2	10-4"	4.0	(10) SETS 3#600 KCMIL, 1#500 KCMILG	XHHW-2	10-4"

SINGLE PHASE BRANCH CIRCUIT

AMPACITY (AMPS)	SYM. ID.	(CU) WIRE	TYPE	CONDUIT	SYM. ID.	(CU) WIRE - LARGE NEUTRAL	TYPE	CONDUIT
20	20A	2#12, 1#12G	THHN/THWN	1/2"	20BLN	2#12, 1#10N, 1#12G	THHN/THWN	3/4"
30	30A	2#10, 1#10G	THHN/THWN	3/4"	30BLN	2#10, 1#10N, 1#12G	THHN/THWN	3/4"
40	40A	2#8, 1#10G	THHN/THWN	1"	23BLN	2#10, 1#8N, 1#10G	THHN/THWN	3/4"
50	50A	2#6, 1#10G	THHN/THWN	1"	33BLN	2#10, 1#8N, 1#10G	THHN/THWN	1"
60	60A	2#4, 1#10G	THHN/THWN	1"	24BLN	2#8, 1#6N, 1#8G	THHN/THWN	1"
70	70A	2#4, 1#8G	THHN/THWN	1"	34BLN	2#8, 1#6N, 1#8G	THHN/THWN	1"
80	80A	2#3, 1#8G	XHHW-2	1 1/4"	25BLN	2#6, 1#4N, 1#8G	THHN/THWN	1"
90	90A	2#2, 1#8G	XHHW-2	1 1/4"	35BLN	2#6, 1#4N, 1#8G	THHN/THWN	1"
100	100A	2#1, 1#8G	XHHW-2	1 1/2"	26BLN	2#6, 1#4N, 1#8G	THHN/THWN	1 1/4"
125	125A	2#1, 1#6G	XHHW-2	1 1/2"	36BLN	2#6, 1#4N, 1#8G	THHN/THWN	1 1/2"

MULTIPLE SINGLE PHASE BRANCH CIRCUITS

EXAMPLE OF TYPICAL SYMBOL: 2.25N

NOTE: ALL CONDUCTORS INDICATED THIS SCHEDULE ARE COPPER ONLY

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON

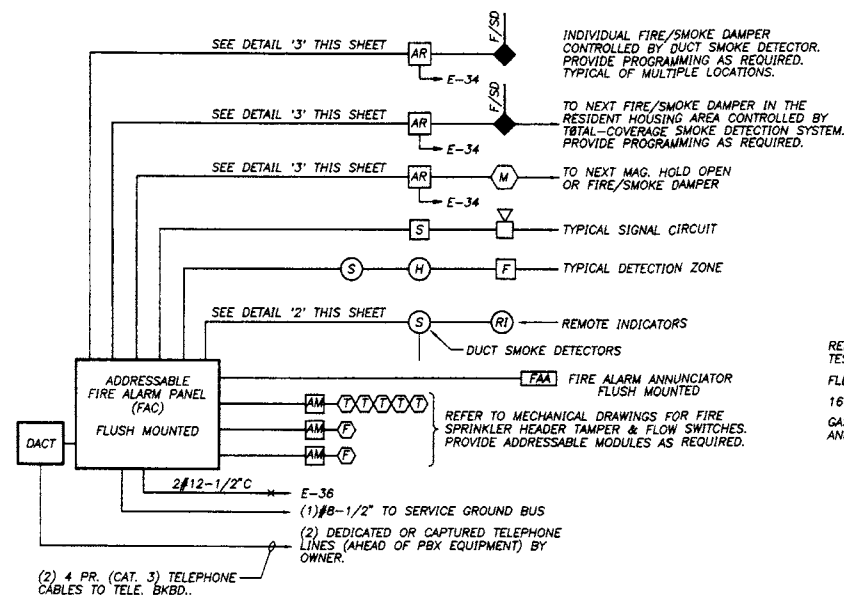
RE-BID

KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 24 x 36
 HALF SIZE
 REDUCTIONS = 1x07

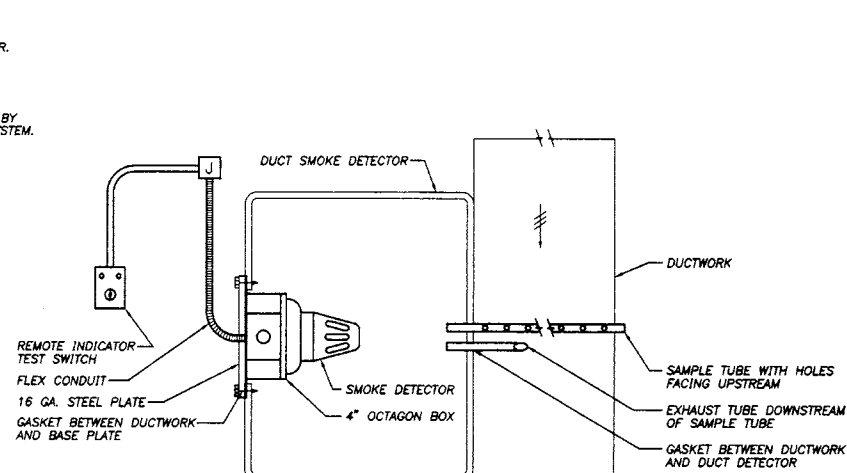
DRAWN BY
 DEI DESIGN TEAM
 DATE 11-01-04
 SHEET NO.

E5.1



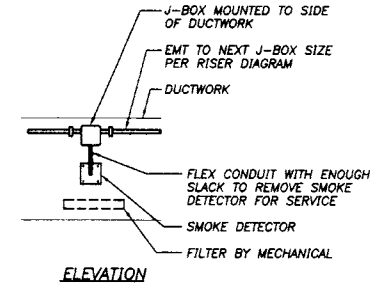
- NOTES:**
1. SYSTEM SHALL MEET THE REQUIREMENTS OF THE AHJ, IBC, IFC AND NFPA 72 REFERENCE SPECIFICATION SECTION 16721 FOR ADDITIONAL INFORMATION. PROVIDE A COMPLETE SET OF FIRE ALARM SHOP DRAWINGS FOR REVIEW TO THE SEATTLE FIRE DEPARTMENT (ATTN: DAVE ZILLER, PLAN REVIEW NO. 18657).
 2. ALL FIRE ALARM SYSTEM WIRING IS TO BE INSTALLED IN CONDUIT (3/4" MIN.). PROVIDE CABLE & CONDUIT PER THE MANUFACTURERS REQUIREMENTS AND APPROVED SHOP DRAWINGS.
 3. NOT ALL COMPONENTS INDICATED HERE MAYBE APPLICABLE TO THIS PROJECT. REFER TO THE SYSTEM FLOOR PLANS FOR THE MINIMUM REQUIRED DEVICES & LOCATIONS.
 4. INITIATING DEVICES SHALL BE ZONED PER FLOOR.
 5. SYSTEM SHALL BE MONITORED BY A CENTRAL STATION SERVICE APPROVED BY THE SEATTLE FIRE DEPARTMENT. COORDINATE WITH OWNER.

1 FIRE ALARM WIRING DIAGRAM
N.T.S.



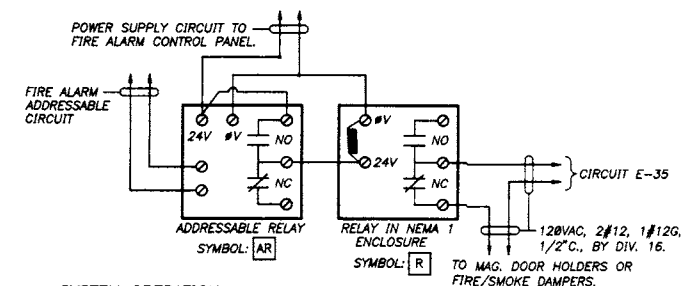
- NOTES:**
1. ALL REMOTE INDICATORS SHALL BE MOUNTED ON WALL NEAR UNIT.
 2. CONTRACTOR SHALL SUPPLY ALL WIRING TO SHUT DOWN UNIT UPON ALARM. COORDINATE W/ DIV. 15 CONTROL CONTRACTOR. PROVIDE RELAYS AS REQUIRED.

SECTION THRU DUCT



ELEVATION

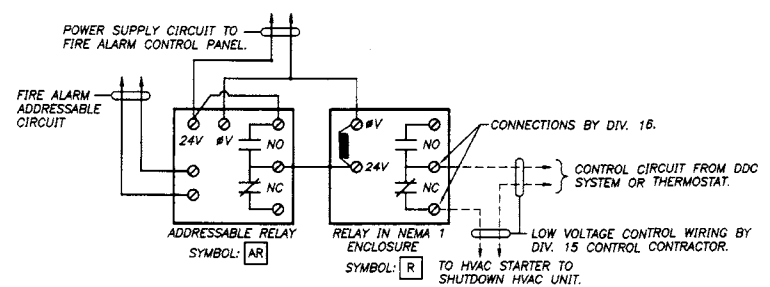
2 DUCT SMOKE DETECTOR MOUNTING DETAIL
N.T.S.



SYSTEM OPERATION:
THE FAC SHALL BE PROGRAMMED SO THAT DETECTION OF SMOKE BY ANY DETECTOR SHALL CLOSE ALL FIRE/SMOKE DAMPERS AND RELEASE ALL MAGNETIC HOLD OPENS.

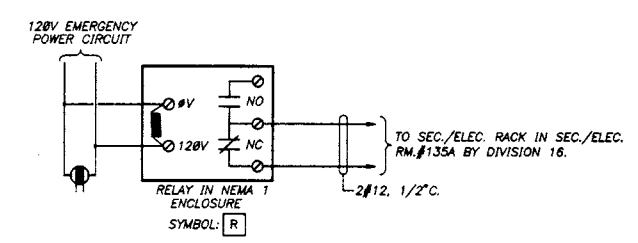
- NOTES:**
1. ADDRESSABLE RELAY SHOWN IN NON-ALARM STATE. CONTACTS OPEN IN ALARM AS RELAY ENERGIZES.
 2. CONTROL RELAY WITH 120VAC RATED CONTACTS WHERE REQUIRED. RELAY SHOWN IN NON-ALARM STATE. CONTACTS OPEN ON ALARM AS RELAY IS ENERGIZED.
 3. TOTAL DISTANCE BETWEEN ADDRESSABLE RELAY AND POINT OF CONTROL SHALL NOT EXCEED 3 FEET, UNLESS SUPERVISED PER NEPA 32.
 4. FIRE/SMOKE DAMPERS AND MAGNETIC HOLD OPENS SHALL BE CONNECTED TO DEDICATED 20 AMP, 120V CIRCUITS WITH 120V WIRING RUN BETWEEN DEVICES UP TO THE 10 AMP CAPACITY OF THE CONTROL RELAY. PROVIDE A 10 AMP RATED CONTROL RELAY FOR EACH CIRCUIT.

3 FIRE/SMOKE DAMPER OR MAG. HOLD WIRING DIAGRAM
N.T.S.



- NOTES:**
1. ADDRESSABLE RELAY SHOWN IN NON-ALARM STATE. CONTACTS OPEN IN ALARM AS RELAY ENERGIZES.
 2. CONTROL RELAY WITH 120VAC RATED CONTACTS WHERE REQUIRED. RELAY SHOWN IN NON-ALARM STATE. CONTACTS OPEN ON ALARM AS RELAY IS ENERGIZED.
 3. TOTAL DISTANCE BETWEEN ADDRESSABLE RELAY AND POINT OF CONTROL SHALL NOT EXCEED 3 FEET, UNLESS SUPERVISED PER NEPA 32.
 4. WIRING DIAGRAM COMPONENTS AND WIRING TYPICAL FOR EACH PIECE OF EQUIPMENT REQUIRING SHUTDOWN AND SHALL BE PROVIDED & INSTALLED BY DIV. 16.

4 HVAC EQUIPMENT FIRE ALARM SHUTDOWN DETAIL
N.T.S.



- NOTES:**
1. PROVIDE CONTROL RELAY WITH 120VAC RATED COIL AND CONTACTS INSTALLED IN A NEMA 1 ENCLOSURE.
 2. DIVISION 16 TO PROVIDE AND INSTALL CONTROL RELAY, ENCLOSURE AND WIRING IN CONDUIT FOR EACH FREEZER 120V CIRCUIT, TYPICAL OF (4) LOCATIONS.
 3. FINAL CONNECTIONS AT SEC./ELEC. RACK AND ALL ASSOCIATED PROGRAMMING TO ALARM TOUCHSCREEN IN THE EVENT OF POWER LOSS TO ANY OF THE (4) FREEZER CIRCUITS SHALL BE PROVIDED BY DIVISION 17.

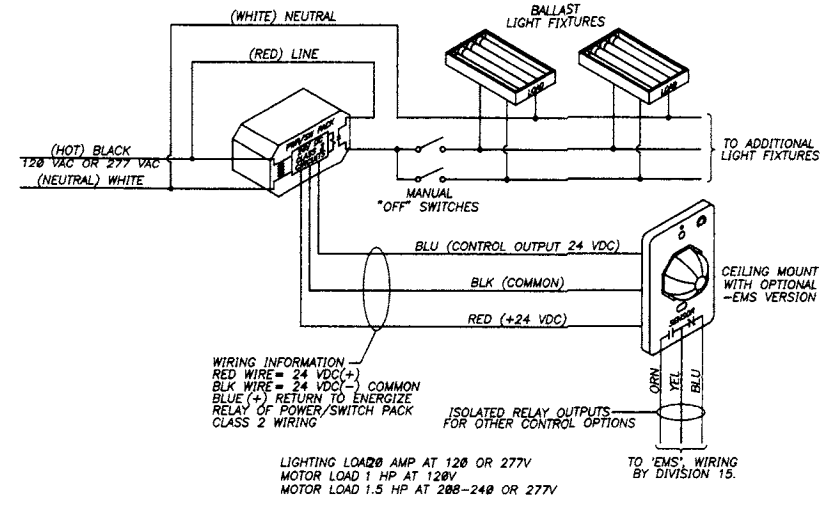
5 TYPICAL FREEZER 120V POWER LOSS WIRING DIAGRAM
N.T.S.

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON
 RE-BID

KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 1x17

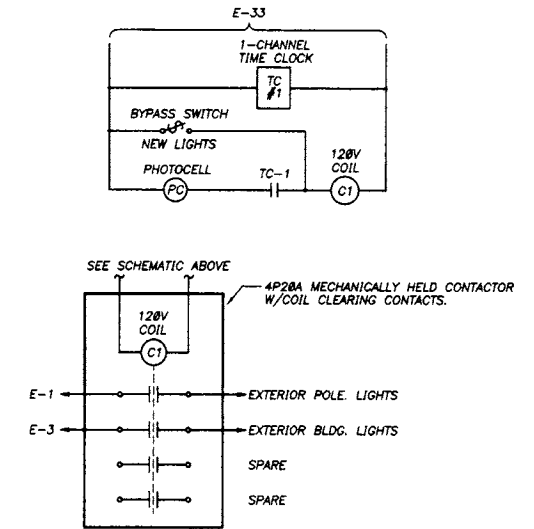
DRAWN BY
 DEI DESIGN TEAM
 DATE
 11-01-04
 SHEET NO.
E6.1



1 MAXIMUM NUMBER OF SENSORS FOR EACH POWER PACK
2 MAXIMUM NUMBER OF POWER PACKS SENSOR CAN SWITCH

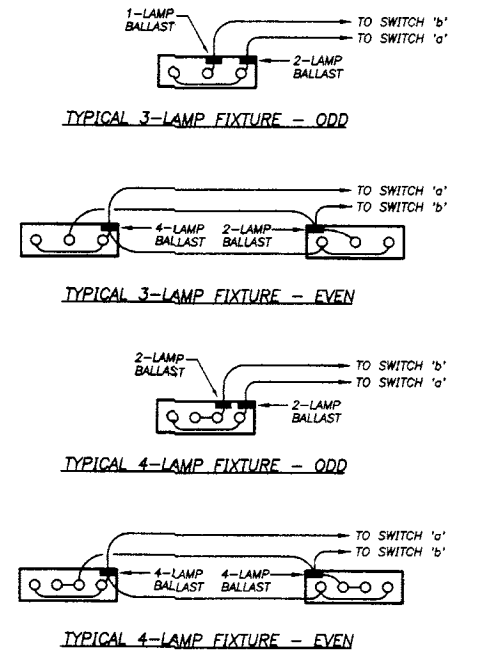
SENSOR MODEL	CURRENT	1	2	SENSOR MODEL	CURRENT	1	2
1 PIR-1000	16Ma	4	5	9 C-800-1500-EMS	32Ma	2	5
2 PIR-1000-H	16Ma	4	5	10 C-500-1000	23Ma	3	9
3 PIR-1000-EMS	23Ma	3	5	11 C-500-1000-H	23Ma	3	9
4 PIR-2000	16Ma	4	5	12 C-500-2000	23Ma	3	9
5 PIR-2000-EMS	26Ma	3	5	13 C-500-2000-EMS	32Ma	2	9
6 C-500-800	23Ma	3	5	14 CUI-500-2000	33Ma	2	5
7 C-500-800-EMS	31Ma	2	5	15 DT	18Ma	4	5
8 C-800-1500	23Ma	3	5				

1 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM
N.T.S.

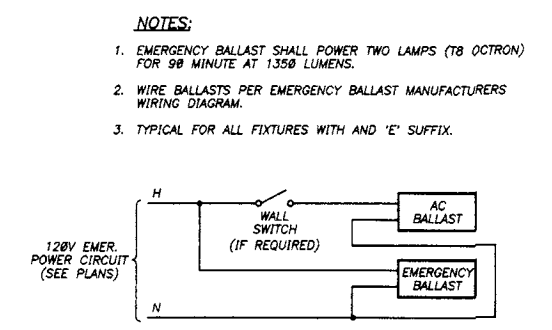


- NOTES:
- MOUNT BYPASS SWITCH, TIME CLOCK & CONTACTOR (PROVIDE ENCLOSURE FOR CONTACTOR) NEAR PANEL 'E'. PROVIDE PHENOLIC LABEL FOR SWITCH, TIME CLOCK AND CONTACTOR ENCLOSURE.
 - EXTERIOR MOUNT PHOTOCELL FACING NORTH AWAY FROM ALL ARTIFICIAL LIGHT SOURCES.
 - ALL EXTERIOR LIGHTING CIRCUITS SHALL CONSIST OF #10 AWG. WIRING.

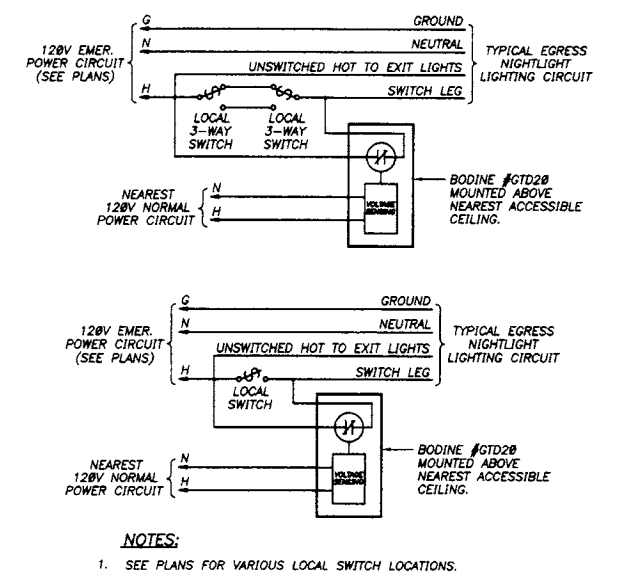
2 EXTERIOR LIGHTING CONTROL WIRING DIAGRAM
N.T.S.



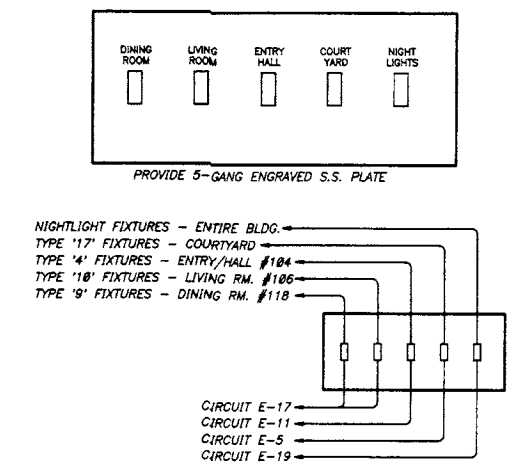
3 MULTI-LEVEL LIGHT FIXTURE SWITCHING DETAIL
N.T.S.



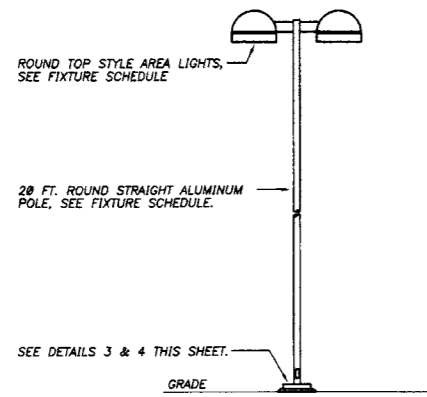
4 TYPICAL EMERGENCY BALLAST WIRING DIAGRAM
N.T.S. (FIXTURES WITH 'E' SUFFIX ONLY)



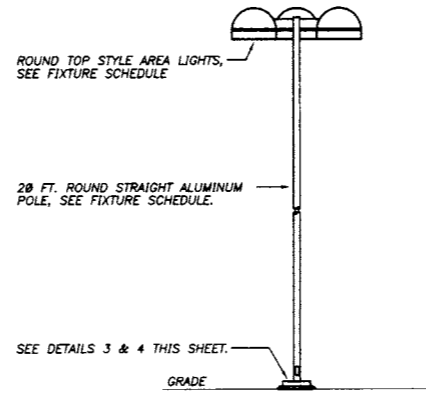
5 EGRESS LIGHTING SWITCH BYPASS DETAIL
N.T.S.



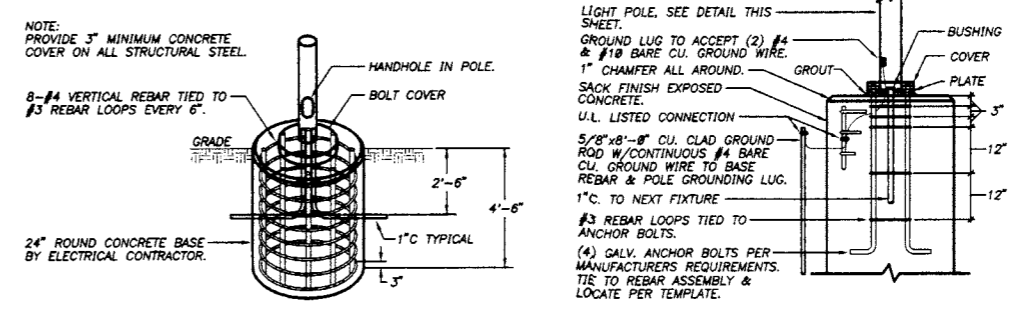
6 WORK STATION LIGHT SWITCH DETAIL
N.T.S.



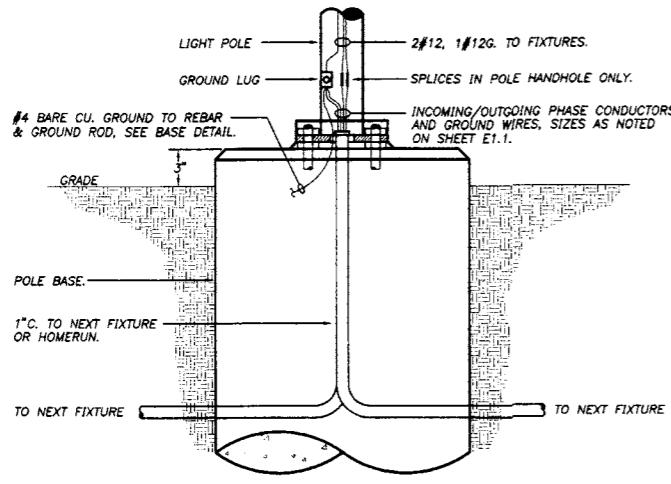
1 TYPE 'S1' LIGHT STANDARD DETAIL
SCALE: 1/8"=1'-0"



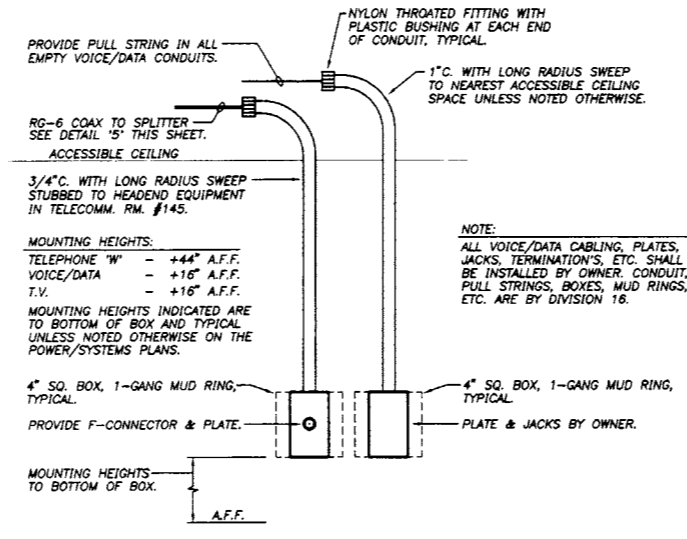
2 TYPE 'S2' LIGHT STANDARD DETAIL
SCALE: 1/8"=1'-0"



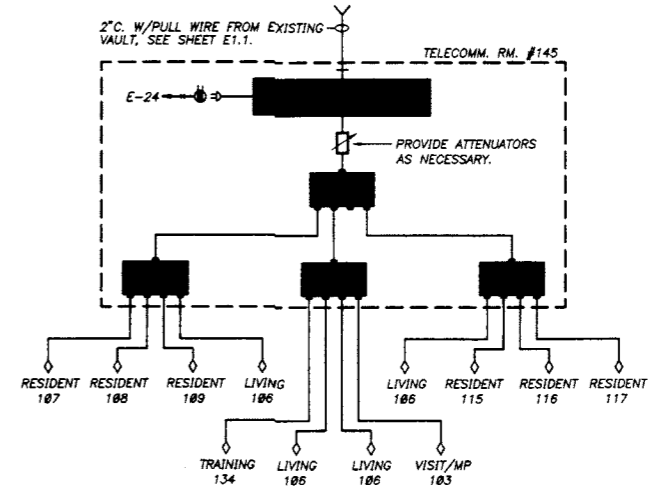
3 FLUSH LIGHT STANDARD BASE DETAIL
SCALE: 1/8"=1'-0"



4 TYPICAL POLE LIGHT CONNECTION DETAIL
SCALE: 1/8"=1'-0"



5 T.V. & VOICE/DATA OUTLET INSTALLATION DETAIL
N.T.S.

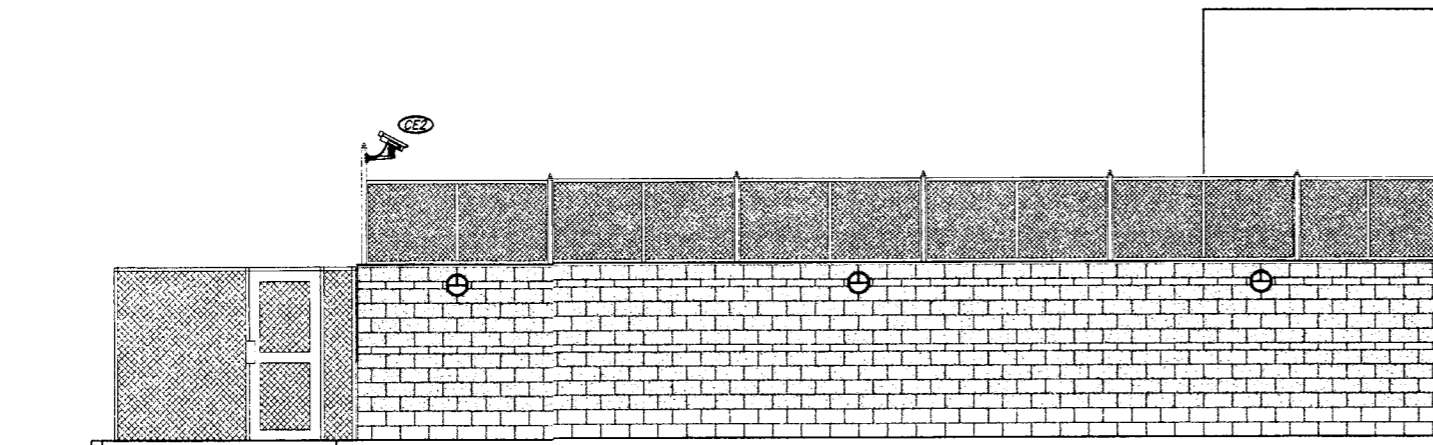


6 T.V. DISTRIBUTION RISER DIAGRAM
N.T.S.

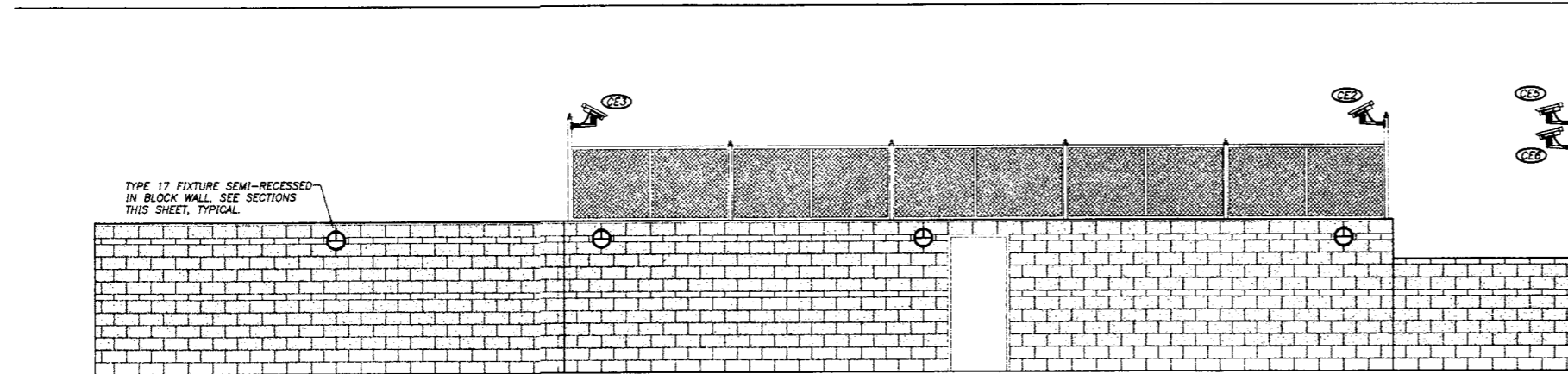
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID
11-17-04

KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

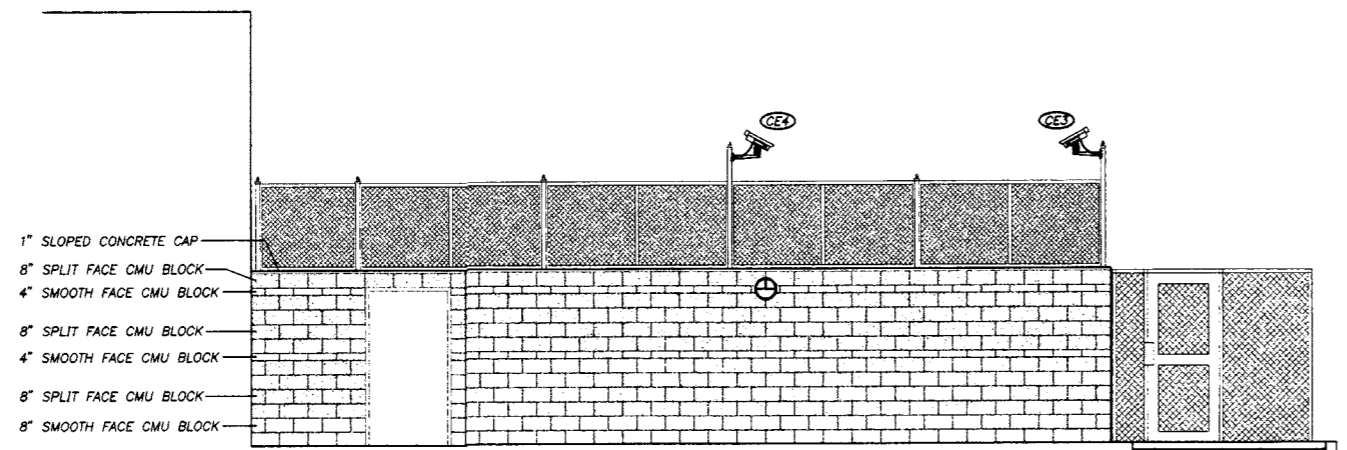
ORIGINAL SHEET
SIZE = 22 x 34
HALF SIZE
REDUCTIONS = 1/2"
DRAWN BY
DEI DESIGN TEAM
DATE 11-01-04
SHEET NO.
E6.3



NORTH ELEVATION



EAST ELEVATION

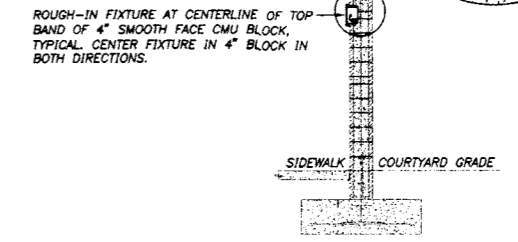
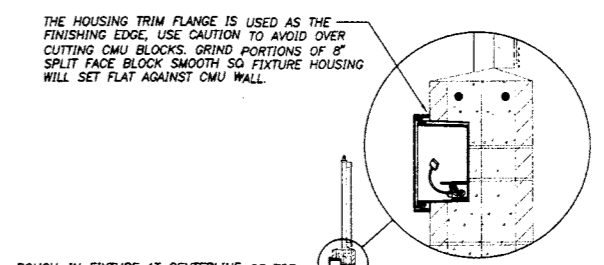


SOUTH ELEVATION

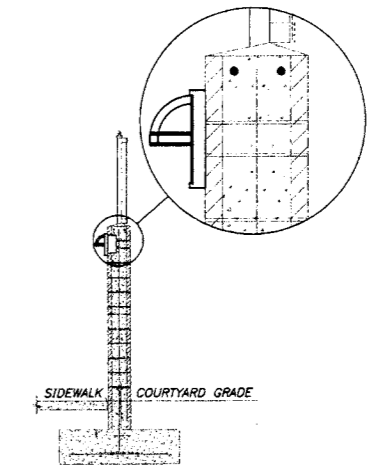
- 1" SLOPED CONCRETE CAP
- 8" SPLIT FACE CMU BLOCK
- 4" SMOOTH FACE CMU BLOCK
- 8" SPLIT FACE CMU BLOCK
- 4" SMOOTH FACE CMU BLOCK
- 8" SPLIT FACE CMU BLOCK
- 8" SMOOTH FACE CMU BLOCK

1 COURTYARD TYPE 17 LIGHT FIXTURE & CAMERA INSTALLATION DETAIL
SCALE: 1/8" = 1'-0"

- NOTES:**
- CAMERAS LOCATIONS ARE SHOWN TO INDICATE CORRECT TUBE STEEL POST FOR MOUNTING ONLY. REFERENCE 'SE' SERIES DRAWINGS FOR ADDITIONAL INFORMATION SPECIFICALLY THE SECURITY/ELECTRONICS SITE PLAN ON SHEET SE1.1 FOR CORRECT WALL MOUNT BRACKET AND CAMERA ORIENTATION. FINAL AIMING SHALL BE PERFORMED IN THE FIELD PER SPECIFICATIONS.
 - ALL CMU BLOCK WALL AND FENCING MATERIAL PROVIDED AND INSTALLED AS DESCRIBED ON THE 'L' SERIES (LANDSCAPE) DRAWINGS. DIVISION 16 SHALL BE RESPONSIBLE FOR ALL CONDUIT, CONDUCTORS, LIGHT FIXTURE INCLUDING HOUSING ASSOCIATED WITH THE INSTALLATION OF THE TYPE 17 LIGHT FIXTURES AND ALL ROUGH-IN ASSOCIATED WITH INSTALLATION OF THE CAMERAS AS DESCRIBED IN THE SPECIFICATIONS. DIVISION 17 SHALL BE RESPONSIBLE FOR INSTALLATION OF CAMERAS INCLUDING WALL ACCESS HOLES, ADAPTER PLATES, WALLMOUNT BRACKETS, ADJUSTABLE HEADS, CABLES, CONDUCTORS AND ALL CONNECTIONS AS DESCRIBED IN THE SPECIFICATIONS.
 - TYPE 17 FIXTURES LOCATED ON INSIDE FACE OF COURTYARD SHALL BE MOUNTED IN SAME MANNER. COORDINATE EXACT LOCATIONS TO MISS TUBE STEEL FENCE SUPPORTS RECESSED IN CMU WALL.



TYPE 17 ROUGH-IN

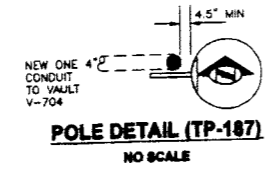
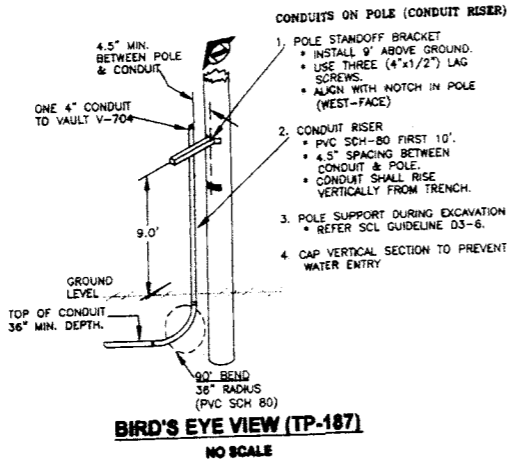
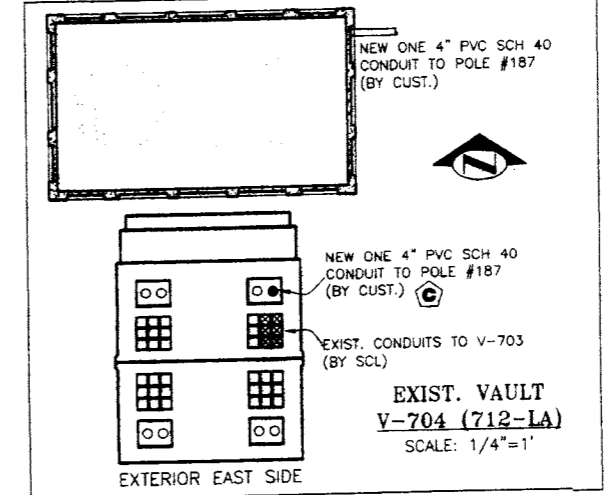
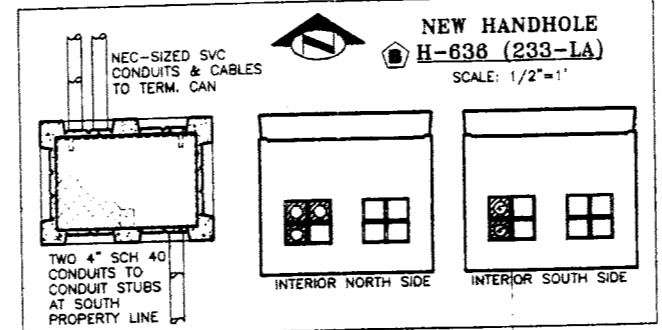
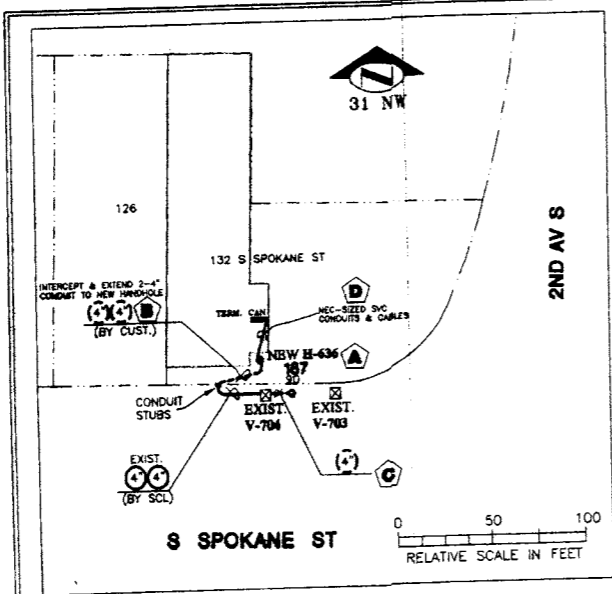


TRIMMED TYPE 17 FIXTURE

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID

KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 24 X 36
HALF SIZE
REDUCTIONS = 1/2"
DRAWN BY
DEI DESIGN TEAM
DATE
11-01-04
SHEET NO.
E6.4



IMPORTANT INFORMATION
The installer is responsible for coordinating installation of other underground utilities. Specifications and charges are valid for 120 days from date shown. Installer must comply with all conditions on permit for installation in the public right-of-way. Installer must comply with applicable Washington State Administrative Code regarding trenching and shoring from utilities. Do not enter unexcavated SCL facility without SCL Safety Standard. The customer must supply and install materials as specified by SCL. Approval from SCL Inspector is required. Applicable SCL Construction Guidelines and Material Guidelines are available upon request.

SERVICE FROM (SCL FACILITY NO.)
SECTION: H
QTR: H002
FACT TYPE: POLE 03
FAC. NO: TP-187

INSTALLATION NOTES
- CARE TO PROTECT CONDUIT FROM NEW HANDHOLE TO WEST PROP LINE (36" MIN) AS SHOWN.
- SCL TO INSTALL ONE 4" PVC SCH 40 CONDUIT TO VAULT V-704.
- SETLINE PERMIT.
SEATTLE (206) 684-5283

SERVICE TERMINATION POINT: HANDHOLE
AVAILABLE CURRENT: 33,500 AMPS
PHASE: _____
BUSES: _____

CONTRACTOR WORK:

- MATERIALS INSPECTION:** PHONE ELECTRICAL SERVICE CONSULTANT JACKIE SMITH (206-386-1687) BEFORE PURCHASING OR INSTALLING MATERIALS FOR APPROVAL OF MANUFACTURERS. SEE MATERIAL STANDARD 7345.2 FOR A LIST OF APPROVED CONDUIT MANUFACTURERS.
- HANDHOLE & CONDUIT INSTALLATION INSPECTION:** PHONE ELECTRICAL SERVICE CONSULTANT JACKIE SMITH (206-386-1687) 48 HRS IN ADVANCE OF SETTING HANDHOLE AND INTERCEPTING & EXTENDING CONDUITS AT SOUTH PROP LINE, TO SCHEDULE A FIELD ENGINEER TO OBSERVE THE INSTALLATION. NOTE: ELECTRIC SERVICE CONSULTANT MUST INSPECT CONDUIT TRENCH, TRENCH BEDDING, CONDUITS, MANDRELING CONDUITS & TRENCH BACKFILL BEFORE COVERING THE TRENCH.
- A SERVICE TERMINATION HANDHOLE:** PROVIDE & INSTALL ONE 233-LA HANDHOLE (UTILITY VAULT CO. OR OTHER SCL APPROVED MANUFACTURER) AT LOCATION AS SHOWN, PER U2-13.1. HANDHOLE MUST BE EASILY ACCESSIBLE & NOT HIDDEN AMONG PLANNED LANDSCAPING. CONDUITS MUST ENTER HANDHOLE & VAULT KNOCKOUTS AS SHOWN IN HANDHOLE DETAIL.
- B LOW VOLTAGE CONDUITS:** INTERCEPT & EXTEND TWO 4" PVC SCH 40 CONDUITS FROM SOUTH PROPERTY LINE (SCL CONDUIT STUBS) TO NEW HANDHOLE H-636, AS SHOWN ON PLAN-VIEW, VAULT DETAIL, BIRD-EYES VIEW & POLE DETAIL, PER U2-10, U2-11, U7-10 & U7-10.2. FIRST 10' UP POLE SHALL BE PVC SCH 80.
- C PRIMARY HIGH VOLTAGE CONDUIT:** PROVIDE & INSTALL ONE 4" PVC SCH 40 CONDUIT FROM EXIST. VAULT V-704 TO & 10' UP POLE #187 ON WEST-FACE, AS SHOWN ON PLAN-VIEW, VAULT DETAIL, BIRD-EYES VIEW & POLE DETAIL, PER U2-10, U2-11, U7-10 & U7-10.2. FIRST 10' UP POLE SHALL BE PVC SCH 80.
- NOTE:** V-704 IS VACANT - CUST MAY ENTER THIS VAULT.

- CONDUIT BENDS:** A MAX OF 135 DEG OF BENDS IS ALLOWED IN EACH CONDUIT RUN FROM NEW HANDHOLE H-636 TO INTERCEPTION POINT (CONDUIT STUBS AT SOUTH PROP LINE). ONE 90 DEG BEND IS ALLOWED IN CONDUIT RUN FROM EXISTING VAULT V-704 TO POLE #187. BEND SHALL BE PVC SCH 80 (MAT'L STD 7345.2), 3 FEET RADIUS.
- CONDUIT END BELLS:** INSTALL END BELLS ON ALL CONDUITS ENTERING VAULT & HANDHOLE KNOCKOUTS. GROUT CONDUIT ENDS, BOTH INSIDE & OUTSIDE OF VAULT & HANDHOLE PER U2-11, PAGE 3 & 4.
- CONDUIT CLEANING:** CLEAN & MANDREL CONDUITS, & INSTALL A PULLING HANDLINE & A MARKING TAPE ACCORDING TO U2-11.4.4.
- D NEC SERVICE CONDUITS & CONDUCTORS:** INSTALL NEC-SIZED SERVICE CONDUITS & CABLES FROM CUSTOMER'S TERMINAL CAN TO NEW HANDHOLE H-636. VISIBLY MARK EACH CONDUCTOR IN HANDHOLE. EXTEND 6 FEET OF EXCESS CABLE, PER CONDUCTOR, INTO HANDHOLE FOR CONNECTION BY SCL. MAXIMUM CABLE SIZE IS 400 MCM. THREE CONDUCTORS, PER PHASE & NEUT, SHALL ENTER HANDHOLE.

SR# 8196

Seattle City Light Distribution Engineering

REWIRE EXIST. BLDG
UG SVC
208Y/120V, 1000A, 3ø
132 S SPOKANE ST

CITY - SECTION/TOWNSHIP/QUARTER
SEATTLE
PROJECT NUMBER
IT. PH. NO. 206-616-0663
DATE: 10/7/04
DESIGNED BY: M. HEDGECOCK
CHECKED BY: M. HEDGECOCK

DRAWN BY: TDP
DATE: 10/6/2004
SHEET NUMBER: 1 OF 1

REV: 1
BY: TDP
DATE: 10/6/2004
SHEET NUMBER: 1 OF 1

CUST.

APPROVED PVC CONDUIT MANUFACTURERS:
J&S MANUFACTURING CO., INC.
BCEPHER
MADISON TECHNOLOGY (BACFETEC)
FIBRAL
QUALITY
SABLE PACIFIC INDUSTRIES (SANGIC W&S TRENCH PIPE)
CARLOW

CALL BEFORE YOU DIG TO LOCATE EXISTING UNDERGROUND UTILITIES TWO BUSINESS DAYS IN ADVANCE
KING CO. ONE CALL
1-800-434-6886

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
132 SOUTH SPOKANE ST
SEATTLE, WASHINGTON
RE-BID

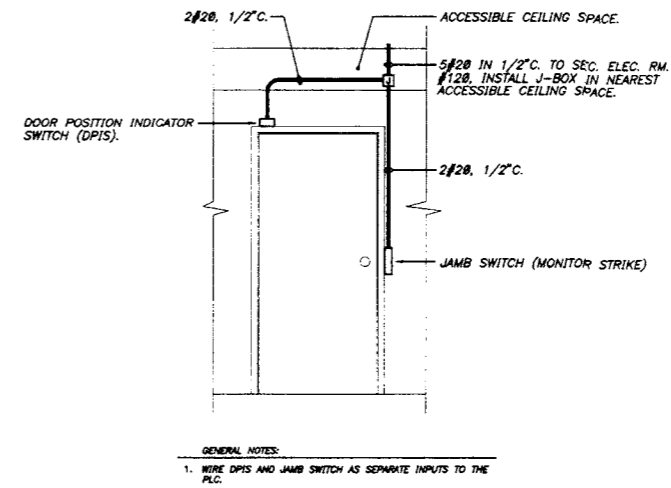
KMB JUSTICE FACILITIES GROUP
828 - 7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22 x 34
SCALE FOR REDUCTIONS = 1/4"

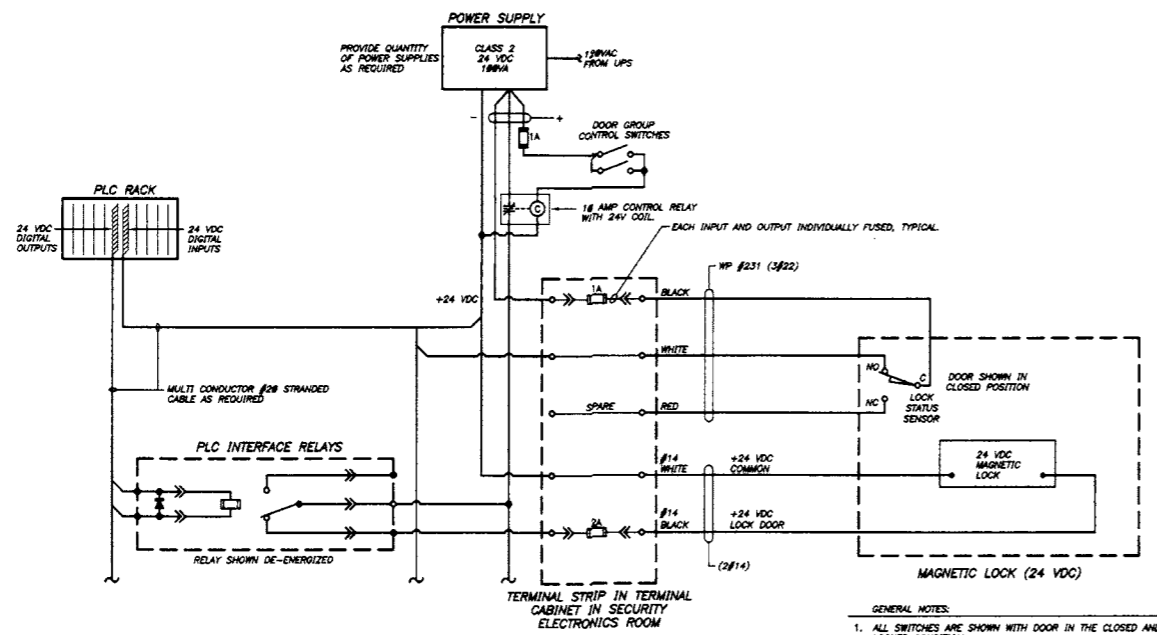
DRAWN BY: DEI DESIGN TEAM
DATE: 11-21-04

SHEET NO. **E6.5**

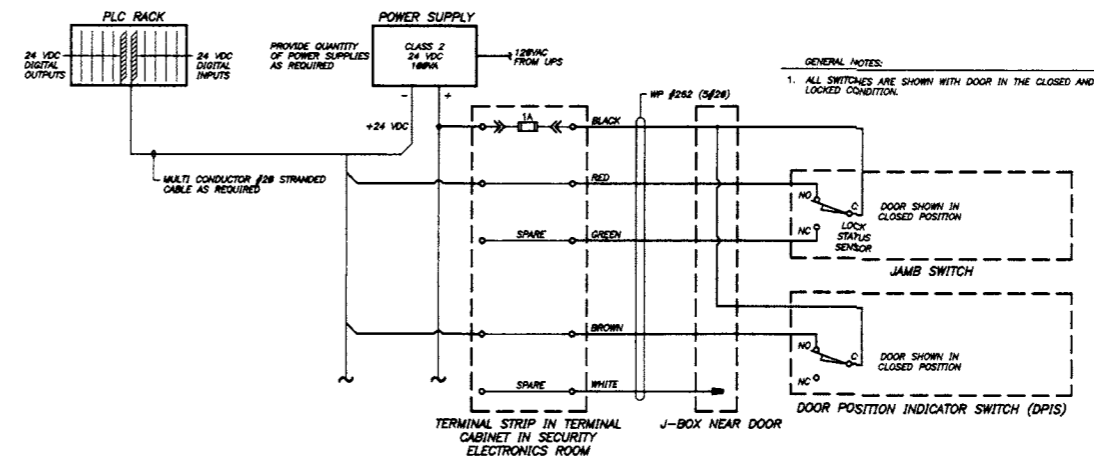
SECURITY SYMBOLS LIST	
ELECTRONICS LEGEND	
○	JAMB SWITCH (MONITOR STRIKE) INSTALLED BY DIV. 8 WIRED BY DIV. 17.
⊙	LOW POWER 600# MAGNETIC LOCK WITH INTEGRAL DOOR POSITION INDICATOR SWITCH (DPIS) INSTALLED BY DIV. 8 AND WIRED BY DIV. 17.
●	HIGH POWER 1800# MAGNETIC LOCK WITH INTEGRAL DOOR POSITION INDICATOR SWITCH (DPIS) INSTALLED BY DIV. 8 AND WIRED BY DIV. 17.
⊖	INTERLOCKED DOORS (MAY BE MORE THAN 2 DOORS).
◆	DOOR POSITION INDICATOR SWITCH (DPIS) FURNISHED BY DIV. 8, INSTALLED BY DIV. 8 AND WIRED BY DIV. 17.
⊞	SECURITY ELECTRONICS RACK LOCATED IN RM #135A.
⊞	VISUAL INDICATOR BEACON, VANDAL PROOF LOW WATTAGE YELLOW AMBER LIGHT.
INTERCOM	
⊞	CONTROL PANEL INTERCOM & CALL BUTTON.
⊞	CONTROL INTERCOM CEILING PAGING SPEAKER. 'TB' = TALKBACK (2-WAY).
⊞	CONTROL INTERCOM YARD PAGING SPEAKER.
CCTV SYMBOLS	
⊞	INDOOR CAMERA.
⊞	FUTURE CAMERA LOCATION.
⊞	OUTDOOR CAMERA WITH WP HOUSING AND HEATER.
⊞	INDOOR CAMERA DESIGNATION.
⊞	OUTDOOR CAMERA DESIGNATION.
CALLS	
⊞	CALL TO PANEL (INDICATION ON PANEL).
⊞	MAG LOCK RELEASE.
MISCELLANEOUS	
⊞	2BA RED (UPS) GROUNDING DUPLEX RECEPTACLE, PLATE COLOR TO MATCH DEVICE. PROVIDE PHENOLIC LABEL PER KEYED NOTE 1.3 ON SHEET SE2.1 DIRECTLY ABOVE DEVICE.
⊞	DATA OUTLET, REFERENCE KEYED NOTE 1.3 ON SHEET SE2.1.



1 JAMB SWITCH (MONITOR STRIKE) AND DOOR POSITION SWITCH INSTALLATION DETAIL
NT.S.

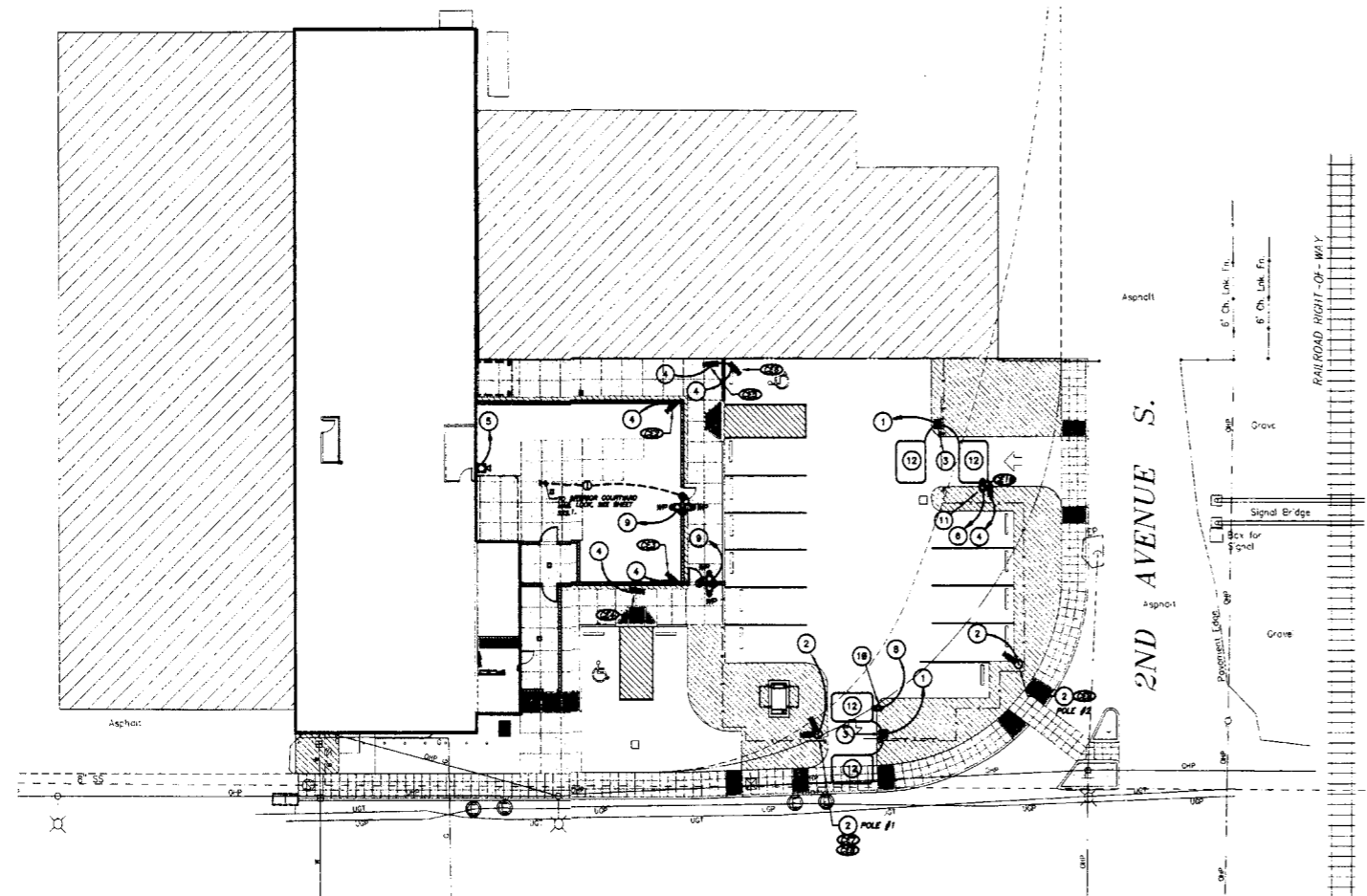


2 TYPICAL MAGNETIC LOCK WIRING DIAGRAM
NT.S.



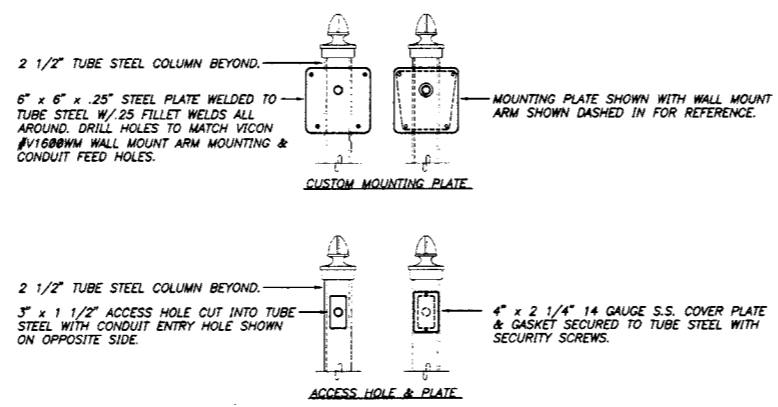
3 TYPICAL JAMB SWITCH & DOOR POSITION SWITCH WIRING DIAGRAM
NT.S.



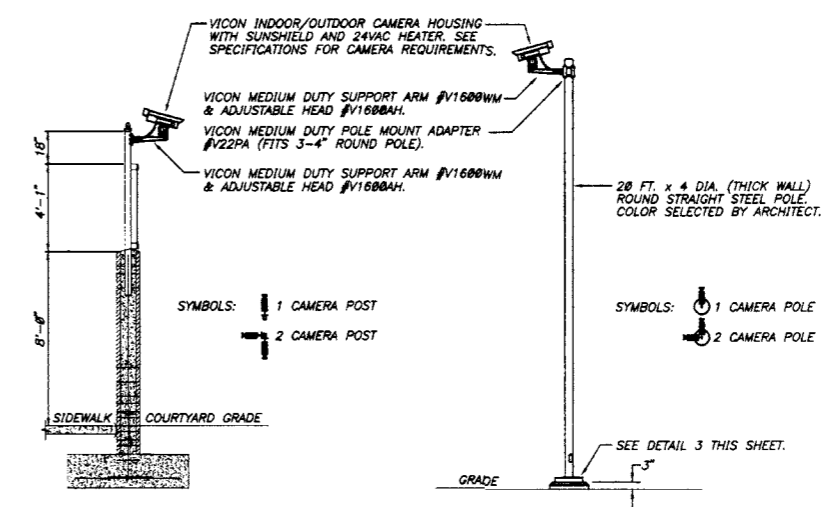
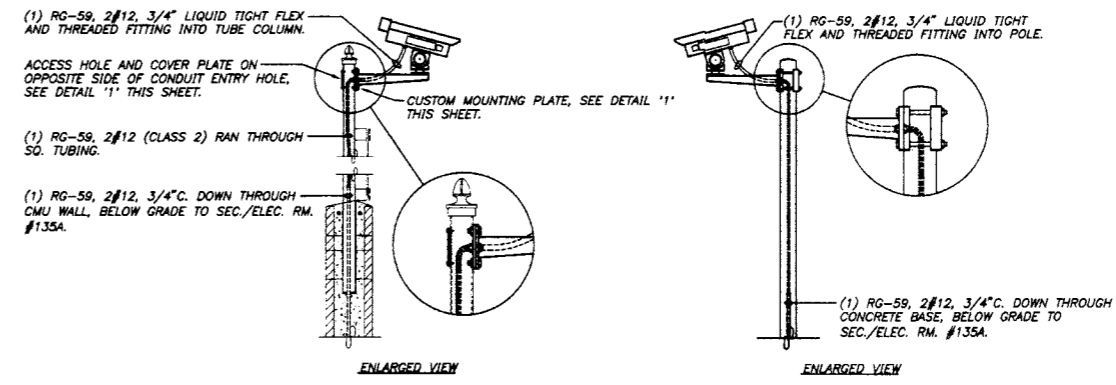


SECURITY/ELECTRONICS SITE PLAN
SCALE: 1"=20'-0"

- SECURITY/ELECTRONICS SITE PLAN KEYED NOTES:**
- RUN (2) EACH #12 FROM EACH DETECTOR LOOP IN 1" C. UNDERGROUND TO GATE CONTROL CABINET. PROVIDE 3 EA WP#262 (5 #20) FROM THE GATE CONTROL CABINET IN 1 1/2" C. TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
 - CAMERA POLE, SEE DETAILS THIS SHEET. PROVIDE TYPICAL FOR EACH CAMERA, (1) RG-59 WEST PENN #A0CB19 FOR VIDEO AND 2#12 FOR CAMERA AND HEATER POWER IN 1" C. FROM EACH CAMERA TO 'SER' (RACK #1) IN SEC./ELEC. RM. #135A. ON MULTIPLE CAMERA POLES PROVIDE ONE SINGLE 1 1/4" C. HOMERUN.
 - MOTORIZED GATE CONTROLLER. COORDINATE EXACT LOCATION WITH ARCHITECTURAL SITE PLAN AND DETAILS. PROVIDE CONNECTIONS PER KEYED NOTE 1.
 - PROVIDE (1) RG-59 WEST PENN #A0CB15 FOR VIDEO AND (2) #12 FOR POWER AND HEATER FOR EACH CAMERA IN 1" C. TO 'SER' (RACK #1) IN SEC./ELEC. RM. #135A.
 - PROVIDE (1) WEST PENN #AQ294 (1 PR. #16 TSP) FROM EACH SPEAKER IN CONDUIT TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A. END SPEAKERS BEGIN WITH 3/4" C. INCREASING IN SIZE AS REQUIRED.
 - PROVIDE (1) WEST PENN #A0C357 (INTERCOM WITH CALL IN) IN (1) 1" C. TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
 - NOT USED.
 - PROVIDE (1) WEST PENN #A0C357 (INTERCOM WITH CALL IN) IN 3/4" C. TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
 - PROVIDE (1) WEST PENN #262 (5 #20) FOR MAG LOCK AND DOOR POSITION SWITCH AND 2 EA WEST PENN #A0L357 FOR INTERCOM WITH CALL-IN IN 3/4" C. BACK TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
 - POST MOUNTED W.P. INTERCOM STATION, SEE DETAIL '1' ON SHEET SE3.2.
 - POST MOUNTED W.P. INTERCOM STATION AND CAMERA, SEE DETAIL '2' ON SHEET SE3.2.
 - DETECTION LOOP BY DIVISION 17, TYPICAL OF 4 LOCATIONS.

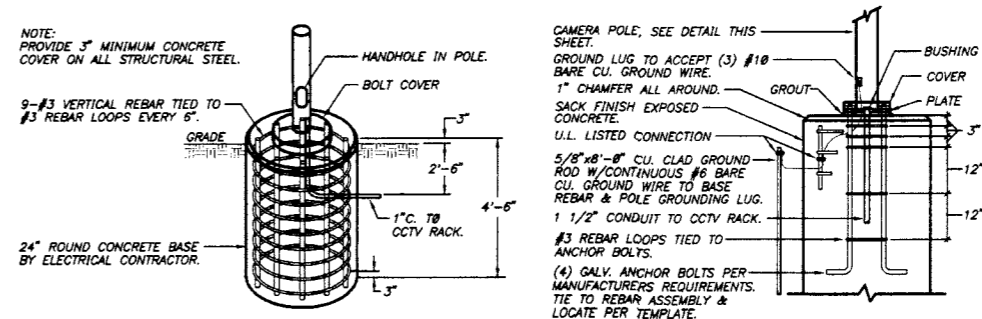


1 MOUNTING PLATE AND ACCESS HOLE DETAIL
N.T.S.



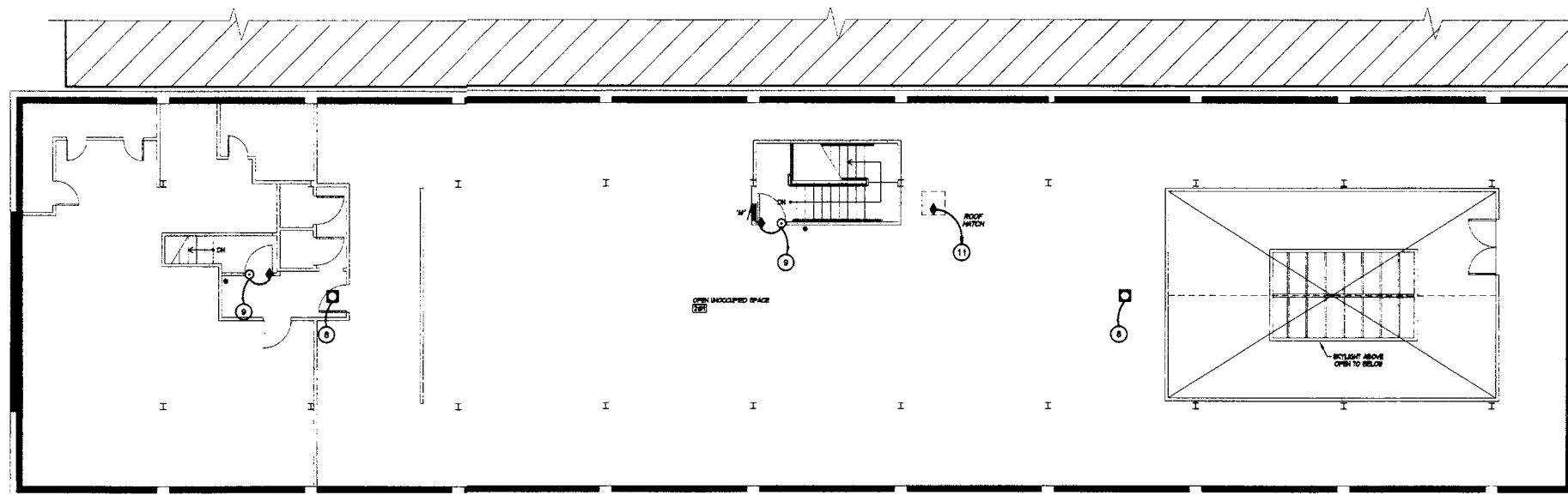
- NOTES:**
- PROVIDE ONE POLE MOUNT BRACKET, WALL MOUNT ARM, ADJUSTABLE HEAD AND 1 SET OF CONDUIT, CABLE & CONDUCTORS PER POLE MOUNTED CAMERA. PROVIDE TWO HOMERUNS ON (2) CAMERA INSTALLATION.
 - PROVIDE ONE CUSTOM MOUNTING PLATE, WALL MOUNT ARM & ADJUSTABLE HEAD AND 1 SET OF CONDUIT, CABLE & CONDUCTORS PER POLE MOUNTED CAMERA. PROVIDE TWO HOMERUNS ON (2) CAMERA PER COLUMN INSTALLATION.
 - INSTALL CAMERAS AS HIGH AS POSSIBLE ON 20 FT. POLES AND 2 1/2" SQ. TUBING ABOVE COURTYARD CMU BLOCK WALLS AS POSSIBLE. WHEN MULTIPLE CAMERAS ARE INSTALLED ON A COMMON TUBE STEEL OR POLE ONE CAMERA SUPPORT ARM SHALL BE LOCATED JUST BELOW THE OTHER.
 - SEE SHEET E6.4 FOR COURTYARD ELEVATIONS INDICATING THE TUBE STEEL CAMERA SUPPORT LOCATIONS AND SECURITY/ELECTRONICS SITE PLAN THIS SHEET FOR CORRECT FIELD MOUNT BRACKET AND CAMERA ORIENTATION. FINAL AIMING SHALL BE PERFORMED IN THE FIELD PER SPECIFICATIONS.

2 WALL & POLE MOUNTED CAMERA INSTALLATION DETAIL
N.T.S.

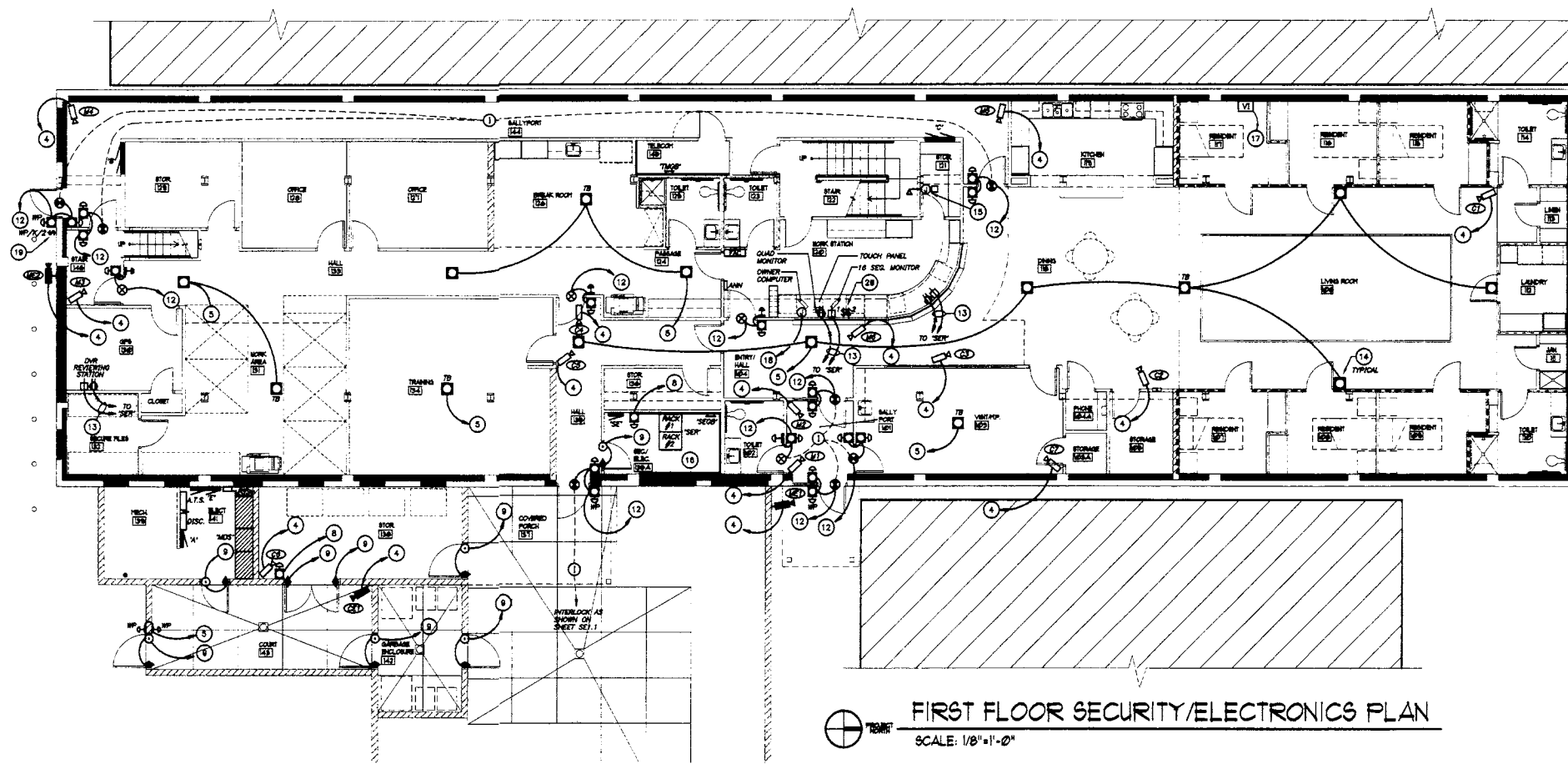


3 CAMERA POLE CONCRETE BASE DETAIL
N.T.S.

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 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
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 SEATTLE, WASHINGTON
 RE-BID
 11-17-2005
 KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883
 ORIGINAL SHEET
 SIZE - 22 x 34
 HALF SIZE
 REDUCTIONS - 11x7
 DRAWN BY
 DEI DESIGN TEAM
 DATE
 11-01-04
 SHEET NO.
SE11



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



FIRST FLOOR SECURITY/ELECTRONICS PLAN
SCALE: 1/8"=1'-0"

SECURITY/ELECTRONICS PLAN GENERAL NOTES:
1. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED AS SURFACE.

SECURITY/ELECTRONICS PLAN KEYED NOTES:

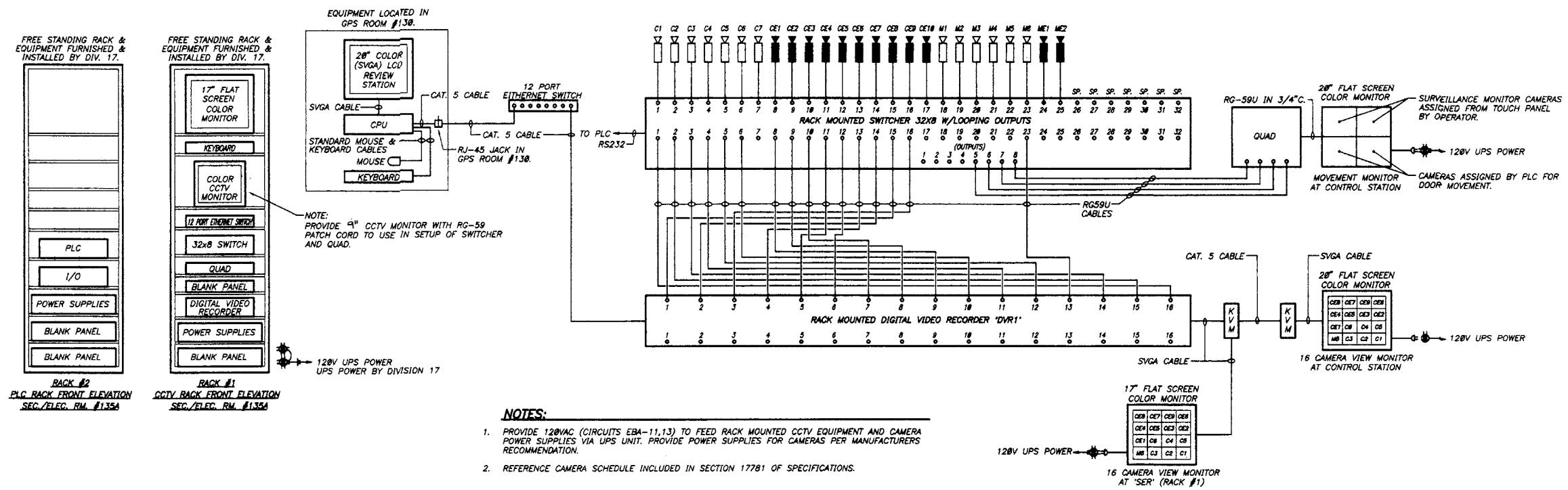
- ① NOT USED.
- ② NOT USED.
- ③ NOT USED.
- ④ PROVIDE (1) RG-59 WEST PENN #819 FOR VIDEO AND (2) #12 FOR CAMERA POWER (AND HEATER POWER WHERE PRESENT) FOR EACH CAMERA IN 1" CONDUIT TO 'SER' (RACK #1) IN SEC./ELEC. RM. #135A.
- ⑤ PROVIDE (1) WEST PENN #294 (1 PR. #16 TSP) FROM EACH SPEAKER IN CONDUIT TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A. END SPEAKERS BEGIN WITH 1/2" C INCREASING IN SIZE AS REQUIRED.
- ⑥ NOT USED.
- ⑦ NOT USED.
- ⑧ PROVIDE (1) WEST PENN #357 (INTERCOM WITH CALL IN) IN 3/4" CONDUIT TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑨ PROVIDE (1) WEST PENN #262 (5 #20) FOR JAMB SWITCH AND DOOR POSITION SWITCH IN 3/4" CONDUIT BACK TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑩ PROVIDE 1" CONDUIT WITH PULL STRING FROM A 4" SQUARE J-BOX WITH SINGLE GANG BLANK COVER TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑪ PROVIDE (1) WEST PENN #294 (1 PR. #16 TSP) FOR THE DOOR POSITION SWITCH IN 3/4" CONDUIT BACK TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑫ PROVIDE 2 EA. WD #357 (INTERCOMS AND CALL BUTTONS) AND 1 EA. WP262 (5 #20) MAG LOCK AND STATUS IN 1" CONDUIT TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑬ PROVIDE DUPLEX RECEPTACLE CIRCUITED TO 'UPS' LOCATED IN 'SER' & CAT. 5 DATA JACK INSTALLED IN SEPARATE BOX WITH 4-PR. CAT 5E CABLE IN 3/4" C. TO 8-PORT LAN SWITCH LOCATED IN THE 'SER'. PROVIDE PHENOLIC LABELS (BLACK BACKGROUND WITH 1/4" HIGH WHITE LETTERS) ABOVE DUPLEX RECEPTACLE & DATA OUTLET THAT READ "FOR SECURITY USE ONLY". COORDINATE DEVICE LOCATIONS WITH ADDITIONAL DEVICES ON SHEET EA.1.
- ⑭ FLUSH MOUNT SPEAKERS IN WALL AT +10'-0" A.F.F. TYPICAL AT (4) LOCATIONS.
- ⑮ INSTALL AMPLIFIER FOR GPS RERADIATING SYSTEM HIGH ON WALL USING THE UNIVERSAL MOUNT AS CALLED OUT IN THE SPECIFICATIONS. PROVIDE 1 1/2" C. STUB FROM 1 1/2" WEATHERHEAD ON ROOF DOWN THROUGH CEILING OF STORAGE ROOM NEAR AMPLIFIER LOCATION FOR ANTENNAE CABLE INSTALLATION. COORDINATE LOCATION OF ROOF MOUNT CONE SHAPE ANTENNAE AND INDOOR AMPLIFIER IN THE FIELD BASED ON MANUFACTURERS RECOMMENDATION AND OWNERS' GPS EQUIPMENT LOCATION.
- ⑯ DIVISION 16 IS PROVIDING FOUR INPUTS TO THE PLC FOR FREEZER POWER LOSS. SEE DETAIL 5 SHEET EA.1. DIVISION 17 SHALL MONITOR THE FREEZER POWER AND SHALL PROVIDE AN ALARM ON THE TOUCH PANEL IF POWER IS LOST. PROVIDE ALL HARDWARE AND SOFTWARE PROGRAMMING REQUIRED.
- ⑰ PROVIDE 1 EA. WP#294 IN 3/4" C TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ⑱ PROVIDE 2 EA. 1 1/2" C. AND 1 EA. 1" C. BETWEEN THE CONTROL STATION AND 'SER' LOCATION IN SEC./ELEC. RM. #135A. PROVIDE ALL CABLES REQUIRED BETWEEN CONTROL STATION AND 'SER'.
- ⑳ WEATHERPROOF KEYED SWITCH #2. KILLS POWER TO MAGNETIC LOCKS (GROUP 2). SEE SPECIFICATIONS SECTION 08701 FOR SWITCH GROUPS. PROVIDE 1 EA. WEST PENN #262 (5#20) IN 3/4" C. TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.
- ㉑ SWITCHES #1 & #2 KILL POWER TO MAGNETIC LOCKS. PROVIDE HOOD-PROTECTED SWITCH TO RELAY. FINAL SWITCH LOCATIONS TO BE DETERMINED BY ARCHITECT. SEE SPECIFICATIONS SECTION 08701 FOR SWITCH GROUPS. PROVIDE 1 EA. WEST PENN #262 (5#20) IN 3/4" C. TO 'SER' (RACK #2) IN SEC./ELEC. RM. #135A.

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 KING COUNTY
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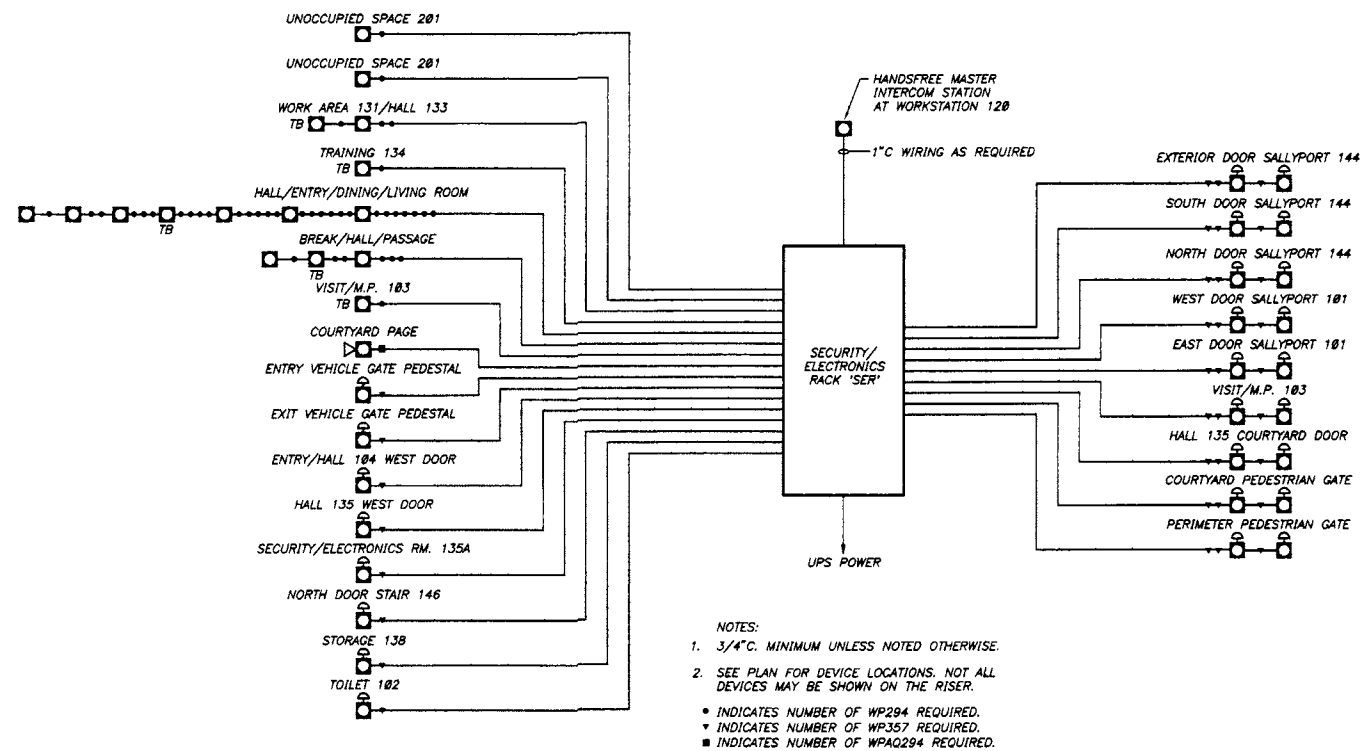
KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE - 22 x 34
 HALF SIZE
 REDUCTIONS - 1/2"

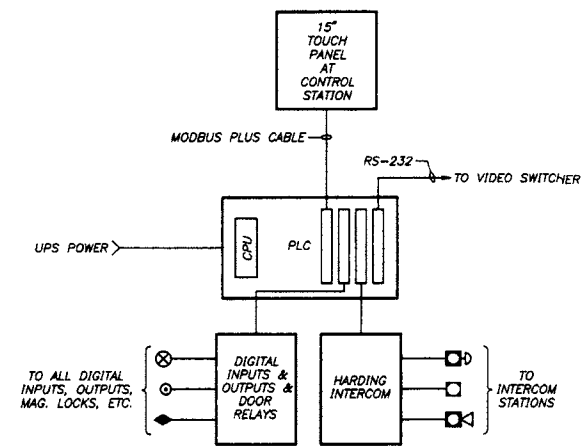
DRAWN BY: DEI DESIGN TEAM
 DATE: 11-01-04
 SHEET NO.: SE2.1



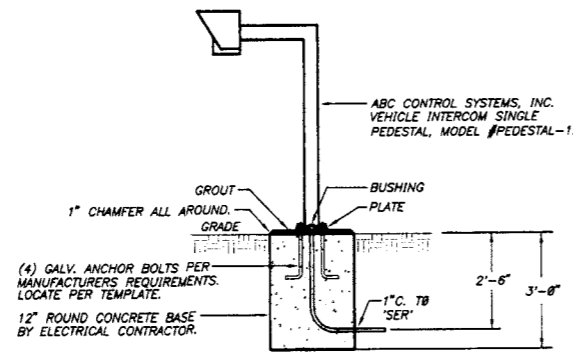
1 CCTV CAMERA RISER DIAGRAM
N.T.S.



2 INTERCOM CONTROL RISER DIAGRAM
N.T.S.

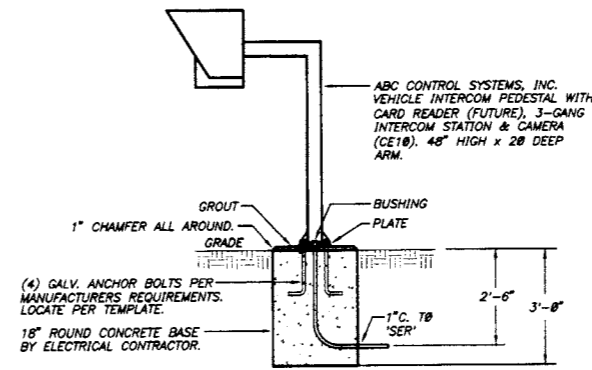


3 PLC BLOCK DIAGRAM
N.T.S.



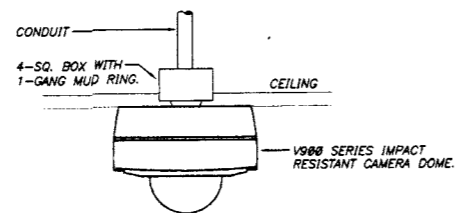
NOTE: COORDINATE EXACT LOCATION WITH ARCHITECT.

1 INTERCOM PEDESTAL INSTALLATION DETAIL
NT.S. (EXIT GATE)



NOTE: COORDINATE EXACT LOCATION WITH ARCHITECT.

2 INTERCOM/CAMERA PEDESTAL INSTALLATION DETAIL
NT.S. (ENTRANCE GATE)



3 INTERIOR CEILING MOUNTED CAMERA INSTALLATION DETAIL
NT.S.

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SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
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SEATTLE, WASHINGTON



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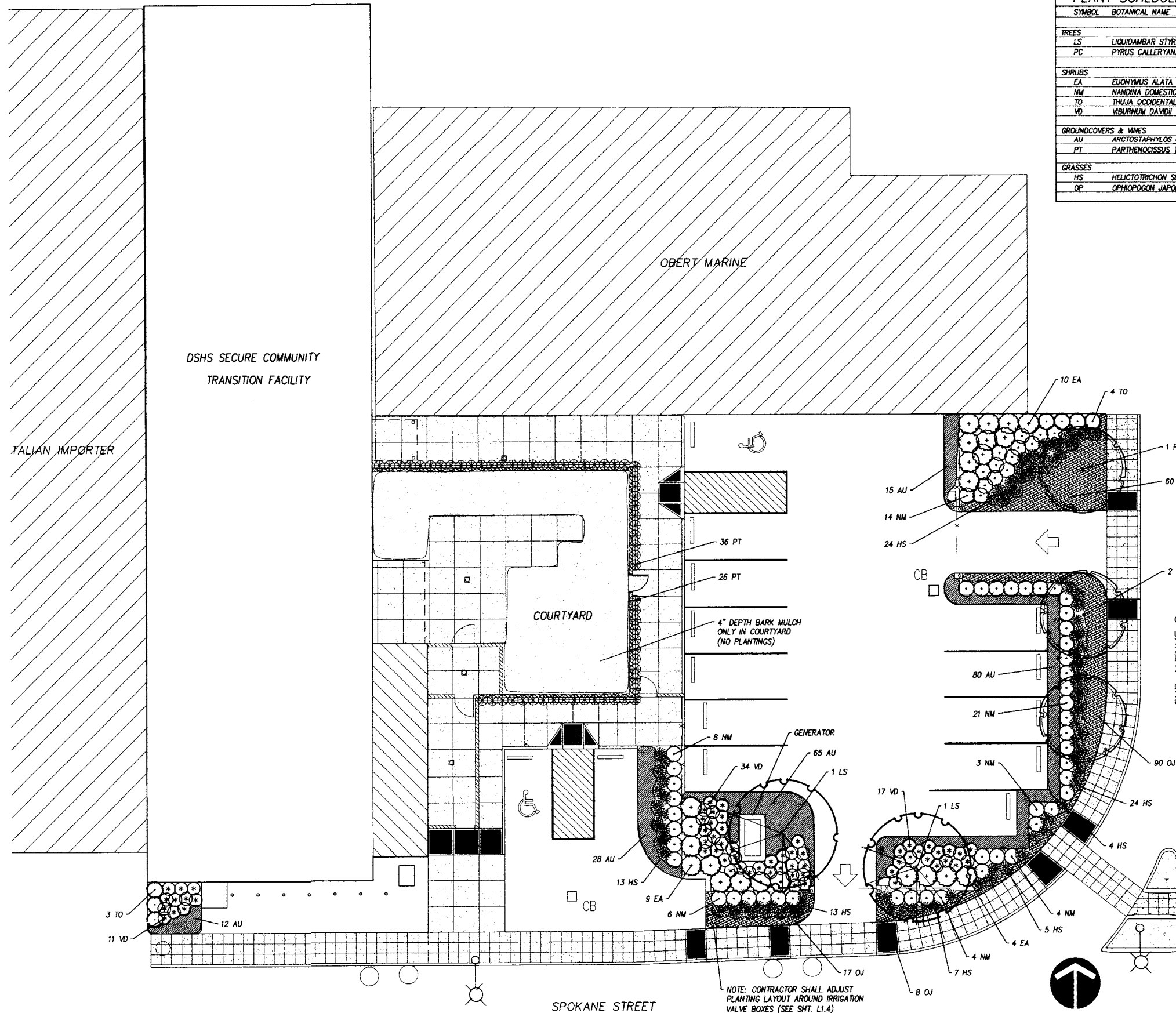
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
SIZE = 22 x 34
SCALE = 1/8" = 1'-0"
REDUCTIONS = 1/4"

DRAWN BY
DEI DESIGN TEAM
DATE 11-01-04

SE3.2

RE-BID



PLANT SCHEDULE				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE & SPACING	QUANTITY*
TREES				
LS	LIQUIDAMBAR STYRACFLUA 'WORPLESDON'	WORPLESDON SWEETGUM	2" CAL.	2
PC	PIRUS CALLERYANA 'CAPITAL'	CAPITAL PEAR	2" CAL.	3
SHRUBS				
EA	EUONYMUS ALATA 'COMPACTA'	DWARF BURNING BUSH	5 GAL., 4" O.C.	23
NM	NANDINA DOMESTICA 'MOON BAY'	MOON BAY HEAVENLY BAMBOO	3 GAL., 3" O.C.	60
TO	THUJA OCCIDENTALIS 'EMERALD GREEN'	EMERALD GREEN ARBORVITAE	5'-6" HT., 3" O.C.	7
VD	VIDUA DAVIDII	DAVID VIBURNUM	3 GAL., 2 1/2" O.C.	62
GROUNDCOVERS & VINES				
AU	ARCTOSTAPHYLOS UVA-URSI 'EMERALD CARPET'	EMERALD CARPET KINKKINICK	4" POTS, 24" O.C.	200
PT	PARTHENOISSUS TRICUSPIDATA	BOSTON IVY	4" POT, 24" O.C.	62
GRASSES				
HS	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL., 24" O.C.	90
OP	OPHIOPOGON JAPONICUS	MONDO GRASS	1 GAL., 24" O.C.	175

*CONTRACTOR TO VERIFY PLANT QUANTITIES

LANDSCAPE IMPROVEMENTS - GENERAL NOTES

- CONTRACTOR IS REQUIRED TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO THE EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
- PLANT MATERIALS SHALL MEET STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARD (ANSI Z60.1) AND WASHINGTON STATE STANDARDS FOR NURSERY STOCK ORDER NO. 1627. ALL PLANT MATERIALS SHALL HAVE SUFFICIENT ROOT DEVELOPMENT TO ASSURE SURVIVAL AND HEALTHY GROWTH. CONTAINER GROWN PLANT MATERIALS ARE REQUIRED TO HAVE SUFFICIENT ROOT GROWTH TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER, BUT SHALL NOT BE ROOT BOUND.
- ALL NEW LANDSCAPE AREAS SHALL RECEIVE 12" MIN. DEPTH TOPSOIL TYPE A. FINISH GRADE W/ MULCH NEXT TO CEMENT CONCRETE PAVEMENT SHALL BE 1/2" BELOW PAVEMENT GRADE.
- COURTYARD SHALL RECEIVE 4" DEPTH BARK MULCH. REFER TO SHT. L1.2 FOR DETAIL.
- PRIOR TO MULCH PLACEMENT, ALL SHRUB BED AREAS SHALL BE TREATED WITH A PREEMERGENT HERBICIDE. FOLLOW ALL MANUFACTURER'S APPLICATION INSTRUCTIONS. PREEMERGENT HERBICIDE SHALL BE ELANCO XL26 OR APPROVED EQUAL.
- MULCH SHALL BE INSTALLED TO DEPTH OF 3 INCHES IN ALL BEDS TO RECEIVE PLANTINGS. PRIOR TO MULCH PLACEMENT GRADE SHALL BE BROUGHT TO A UNIFORM LINE WITH NO SURFACE IRREGULARITIES. WATERING BERMS AROUND PLANTS SHALL BE HAND COMPACTED AND OF A SMOOTH AND EVEN GRADE PRIOR TO MULCH PLACEMENT. MULCH SHALL BE WATER-COMPACTED UPON PLACEMENT.
- NITROGEN SOURCE SHALL BE ISOBUTYLENE DIUREA. TOP DRESSING FERTILIZER AND BIOFERTILIZER TABLETS SHALL BE APPLIED TO ALL SHRUBS AND TREES.
- ANY MODIFICATIONS TO LANDSCAPE PLAN SHALL REQUIRE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL ADJUST SHRUB PLANTINGS AROUND GENERATOR, AS NECESSARY, TO ENSURE PROPER ACCESS.
- TOPSOIL NOTE: ALL LANDSCAPE BEDS - EXCEPT COURTYARD - SHALL BE EXCAVATED FIFTEEN INCHES BELOW FINISH GRADE. BACKFILL WITH 12" OF TOPSOIL TYPE 'A'.

Robert W. Droll
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STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT

 Robert W. Droll
 Certificate No. 530

CAUTION!!! OVERHEAD AND UNDERGROUND UTILITIES
 THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

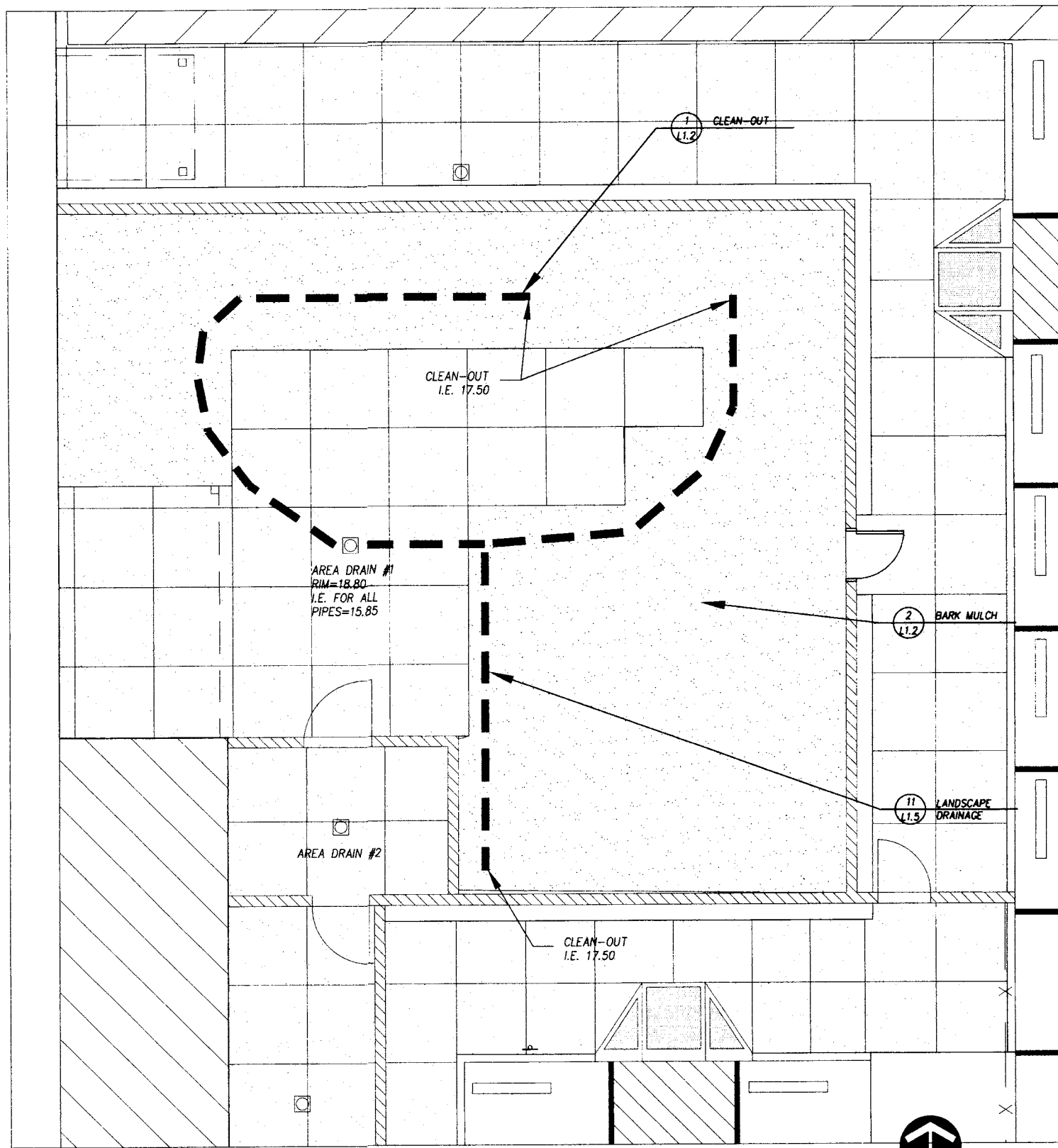
Landscape Plan
 SCALE: 1"=10'
 0 5 10 20

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
 SECURE COMMUNITY TRANSITION FACILITY
 KING COUNTY
 132 SOUTH SPOKANE ST
 SEATTLE, WASHINGTON

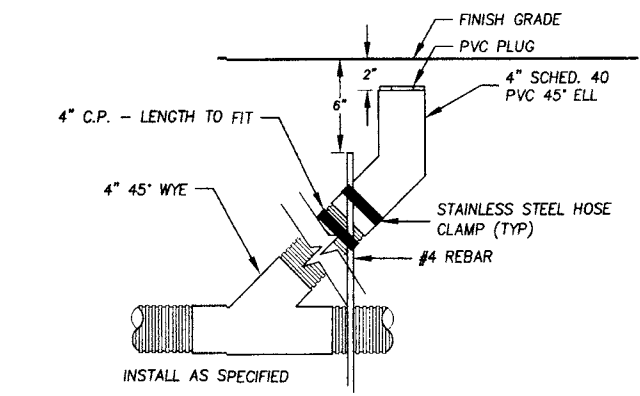
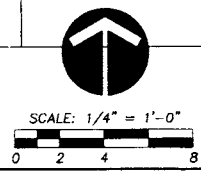
KMB JUSTICE FACILITIES GROUP
 828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET
 SIZE = 22 x 34
 HALF SIZE
 REDUCTIONS = 11x17
 DRAWN BY
 KMB DESIGN TEAM
 DATE: 11-01-04
 SHEET NO.
L1.1

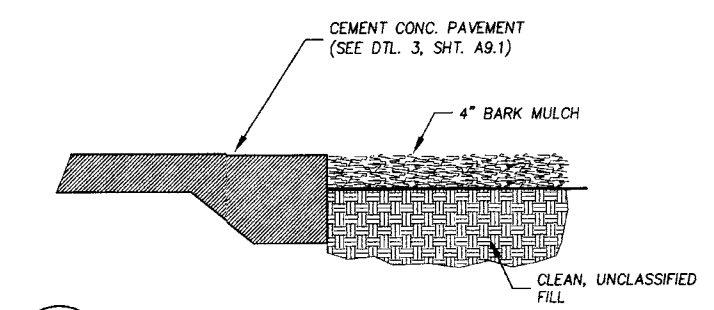
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Courtyard Plan



1 CLEAN-OUT ASSEMBLY - TYPICAL
L1.2 NTS



2 BARK MULCH
L1.2 NTS

NOTES
1. SEE SHEETS C2 AND C3 FOR STORM DRAIN PLANS.



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SECURE COMMUNITY TRANSITION FACILITY
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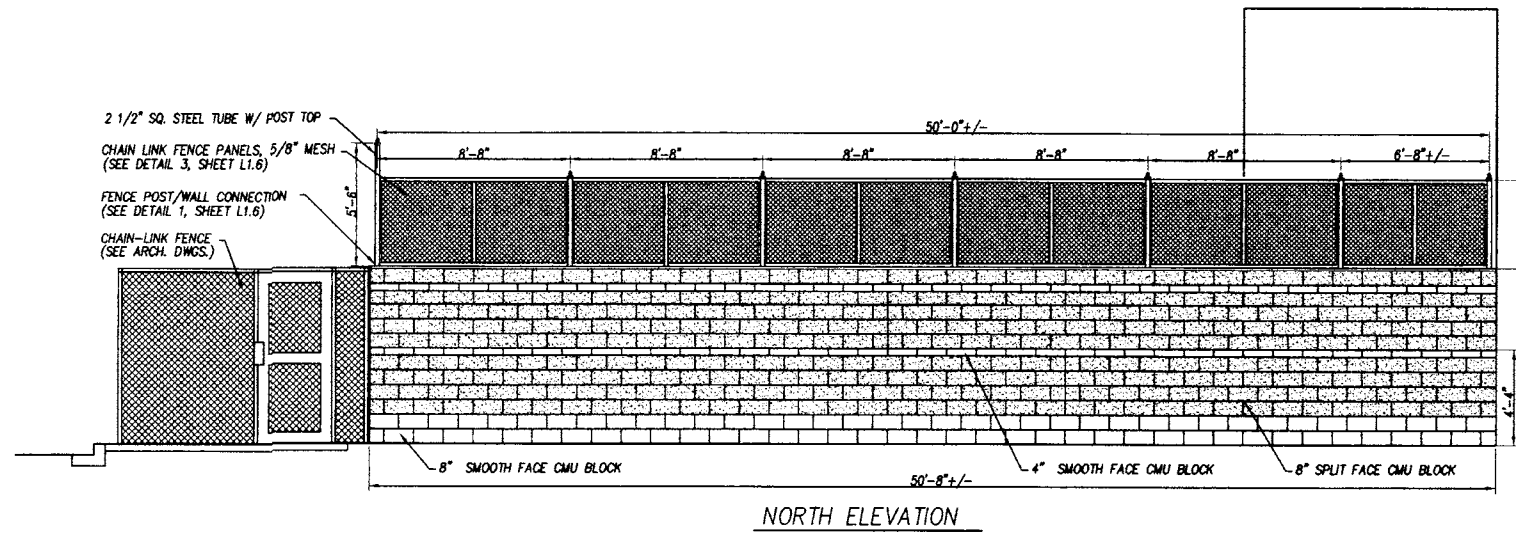
RE-BID

REVISIONS:

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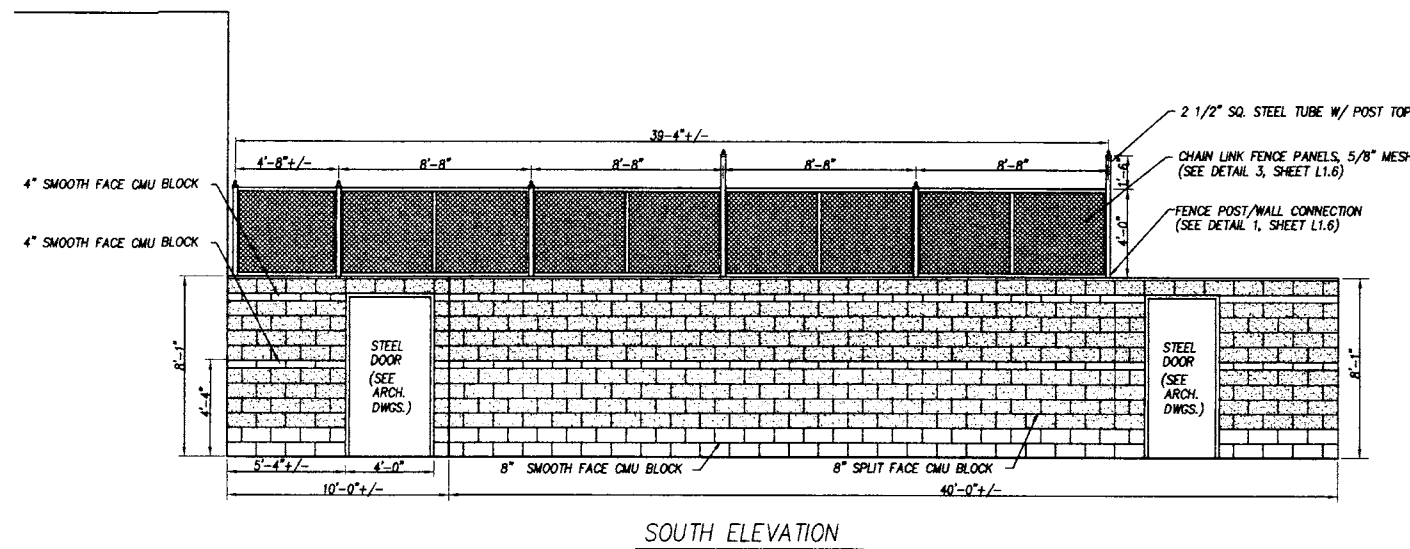
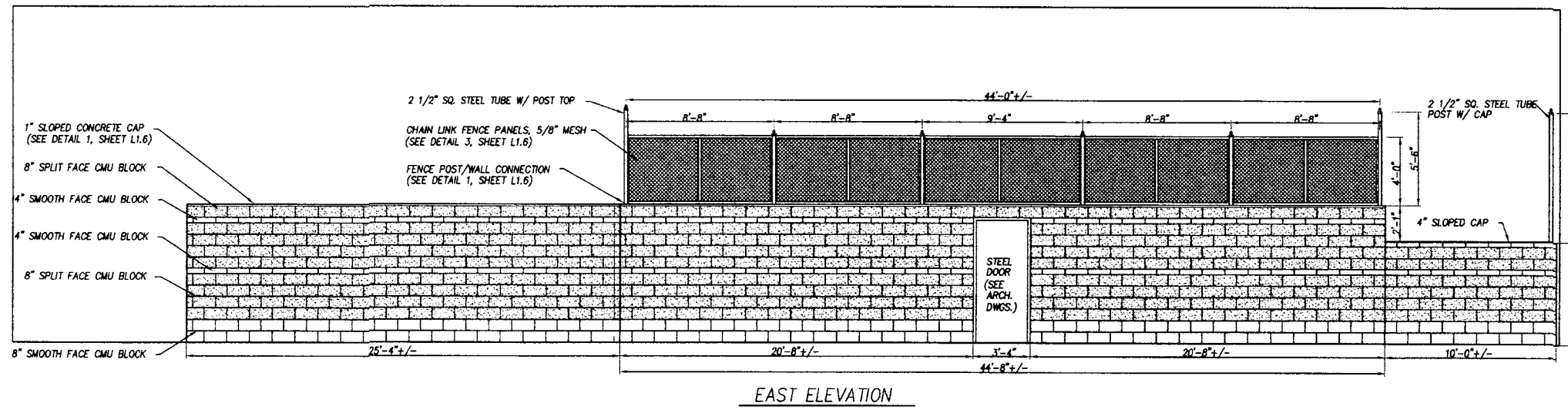
ORIGINAL SHEET SIZE = 22" x 34"
HALF SIZE REDUCTIONS = 11x17

DRAWN BY: KMB DESIGN TEAM
DATE: 11-01-04
SHEET NO. **L1.2**



CONSTRUCTION NOTES

1. ALL OUTDOOR CMU WALLS TO FOLLOW SAME PATTERN AS SHOWN ON ELEVATIONS.
2. SEE SHEET L1.6 FOR CMU WALL AND FENCE DETAILS, SEE STRUCTURAL PLANS FOR CMU WALL DETAILS.
3. 4"x16" SMOOTH FACE CMU BLOCK, NATURAL COLOR, AS MANUFACTURED BY MUTUAL MATERIALS CO. (425.432.2300, www.mutualmaterials.com) OR APPROVED EQUAL.
4. 8"x16" SPLIT FACE CMU BLOCK, SANDSTONE COLOR, AS MANUFACTURED BY MUTUAL MATERIALS CO., OR APPROVED EQUAL.
5. 8"x16" SMOOTH FACE CMU BLOCK, NATURAL COLOR, AS MANUFACTURED BY MUTUAL MATERIALS CO., OR APPROVED EQUAL.
6. 4"x8"x16" SMOOTH FACE SLOPED CAP, NATURAL COLOR, AS MANUFACTURED BY MUTUAL MATERIALS CO., OR APPROVED EQUAL.
7. CHAIN LINK FENCE ON WALL - 3/8" GALVANIZED CHAIN LINK MESH, 11 GAUGE, AS MANUFACTURED BY MASTER HALCO (1.888.643.3623, www.fenceonline.com) OR APPROVED EQUAL.
8. STEEL POSTS, FRAMING, POST CAPS AS MANUFACTURED BY MASTER HALCO OR APPROVED EQUAL.
9. ALL FENCING ON CMU WALLS TO HAVE POWDER COAT BLACK FINISH.
10. REFER TO SHEET A2.2 OF ARCHITECTURAL PLANS FOR FINAL WALL DIMENSIONS.

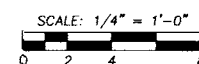


Wall / Fence Elevations

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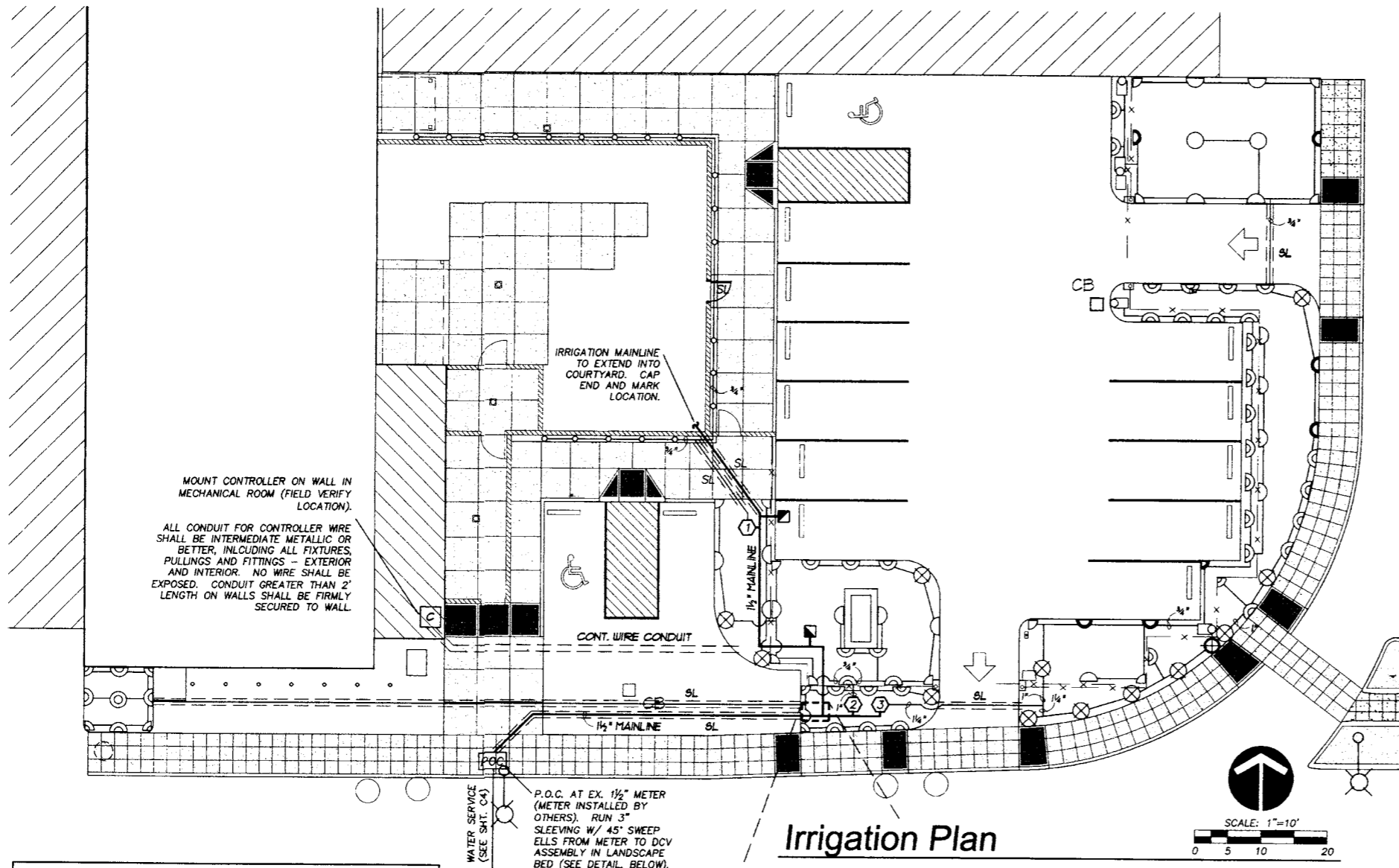


DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
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132 SOUTH SPOKANE ST
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REVISIONS:

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ORIGINAL SHEET SIZE = 22 x 34 HALF SIZE REDUCTIONS = 11x17
DRAWN BY: KMB DESIGN TEAM
DATE: 11-01-04
SHEET NO. L1.3



IRRIGATION IMPROVEMENTS - GENERAL NOTES

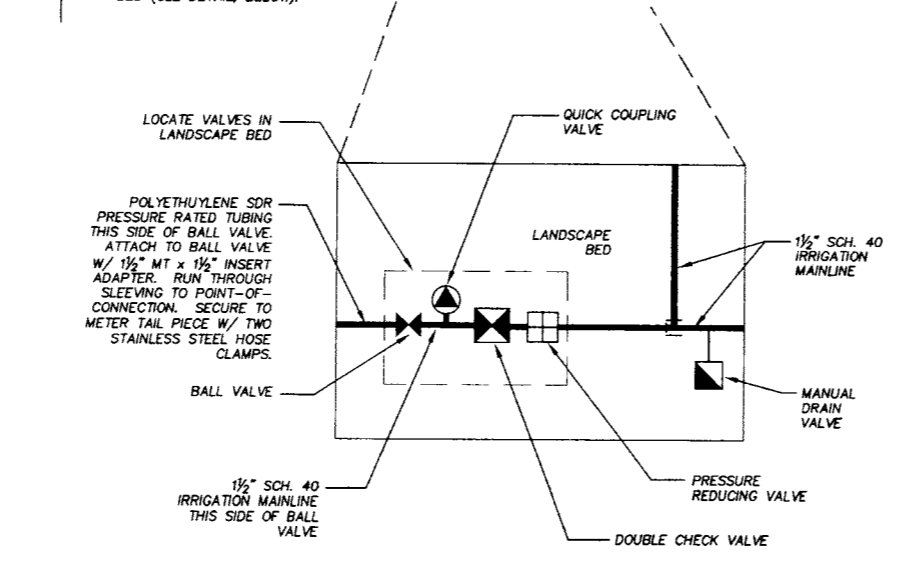
- ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT MANUAL.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR. ALL CONSTRUCTION CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CONSTRUCTION OBSERVER IMMEDIATELY UPON RECOGNITION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
- SPRINKLER HEAD SYMBOLS SCHEMATICALLY REPRESENT DESIRED SPRAY PATTERNS. FIELD ADJUSTMENTS AND VERIFICATION OF SPRAY PATTERNS WILL BE NECESSARY. ADJUST SPRAY PATTERNS TO WATER LANDSCAPE AREA ONLY AND PREVENT OVERSPRAY ONTO BUILDINGS AND/OR PAVEMENT (UNLESS SPECIAL CIRCUMSTANCES PREVAIL).
- ALL PIPING UNDER HARD SURFACES (INCLUDES CONCRETE, ASPHALT, CRUSHED GRAVEL) SHALL BE SLEEVED WITH 4" DIAMETER PVC CONDUIT EXTENDING EIGHTEEN (18) INCHES BEYOND HARD SURFACE EDGE. MARK ENDS WITH A 3/8" DIAMETER REBAR, 18" IN LENGTH. TOP OF REBAR TO BE 1" UNDER SOIL SURFACE. ALL SLEEVES UNDER HARD SURFACE SHALL BE STRAIGHT TO ALLOW FOR IRRIGATION PIPE REPLACEMENT. ALL SLEEVES FOR IRRIGATION MAINLINE SHALL BE ACCOMPANIED WITH A SEPERATE 4" PVC WIRE CHASE THAT IS NOT SHOWN ON PLAN. ALL SLEEVE & WIRE CHASE INSTALLATION SHALL BE ACCOMPLISHED UNDER THIS CONTRACT.
- ALL CONTROL WIRING NOT IN MAINLINE TRENCH SHALL BE BURIED WITHIN METAL CONDUIT. CONDUIT SHALL BE PLACED 18" BELOW FINISH GRADE. ALL CONDUIT AND FITTINGS SHALL BE INTERMEDIATE METALLIC OR BETTER.
- PIPE SIZE SHALL BE THE SAME ON BOTH SIDES OF VALVES. PIPE SHALL REMAIN CONSTANT BETWEEN PIPE SIZE CALLOUTS. 3/4" CLASS 200 PVC SHALL BE THE SMALLEST LATERAL LINE USED.
- LOCATE ALL VALVES WITHIN ONE (1) FOOT OF THE MAINLINE.
- FIELD VERIFY ALL SPRINKLER HEAD LOCATIONS (FLAGGING) BEFORE TRENCHING.
- WHERE TWO OR MORE PIPES SHARE THE SAME TRENCH, MAINTAIN A 4" SEPARATION BETWEEN PIPES. DO NOT CROSS PIPES OVER EACH OTHER UNLESS THEY ARE AT 90 DEGREES.
- IRRIGATION SITE PLAN IS SCHEMATIC. IRRIGATION PLUMBING AND EQUIPMENT SHALL BE INSTALLED IN SHRUB BED AREAS AND WITHIN PROPERTY BOUNDARIES. THE CONTRACTOR SHALL CONSIDER ALL SITE FEATURES IN THE INSTALLATION OF IRRIGATION IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL IRRIGATION EQUIPMENT NECESSARY FOR A COMPLETE AND FUNCTIONAL IRRIGATION SYSTEM. FIELD VERIFY ALL EXISTING EQUIPMENT LOCATIONS AND REPORT ANY INCONSISTENCIES TO PROJECT ENGINEER.

VALVE/PIPE/CONTROLLER SCHEDULE

SYMBOL	MFG.	CATALOG NO.	DESCRIPTION
⊠	RAINBIRD	BV100FF	1" VALVE MANUAL DRAIN ASSY. INSTALL WHERE SHOWN AND AT ALL MAINLINE AND LATERAL LINE LOW POINTS
⊞	FEBCO	B05Y-1 1/2"	1 1/2" DOUBLE CHECK VALVE ASSEMBLY
⊞	WILKINS	70DU	1 1/2" PRESSURE REDUCING VALVE DOUBLE UNION FNPT
—	SCHEDULE 40 1 1/2" PVC MAINLINE, 24" DEPTH		
—	SCHEDULE 200 PVC LATERAL LINES 18" DEPTH		
—	CLASS 200 PVC SLEEVES 24" DEPTH, 4" DIAMETER		
⊞	RAINBIRD	100-PEB	1" ELECTRIC REMOTE CONTROL VALVE
⊞	RAINBIRD	BV200FP	2" BRASS BALL VALVE
⊞	RAINBIRD	44LRC	1" BRASS QUICK COUPLING VALVE, SUPPLY W/ COUPLER KEY
⊞	RAINBIRD	ESP-6LX+	6 STATION INDOOR CONTROLLER
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS		

IRRIGATION HEAD SCHEDULE

SYMBOL	CATALOG NUMBER	RADIUS	GPM	PSI
SPRAY HEADS				
⊞	RAINBIRD 1806-PRS-5F	5	0.41	30
⊞	RAINBIRD 1806-PRS-5H	5	0.20	
⊞	RAINBIRD 1806-PRS-5Q	5	0.10	
⊞	RAINBIRD 1806-PRS-8F	8	1.05	30
⊞	RAINBIRD 1806-PRS-8H	8	0.52	
⊞	RAINBIRD 1806-PRS-8Q	8	0.26	
⊞	RAINBIRD 1806-PRS-8VAN	8	VARIES	
⊞	RAINBIRD 1806-PRS-10H	10	0.79	30
⊞	RAINBIRD 1806-PRS-10Q	10	0.39	
⊞	RAINBIRD 1806-PRS-10VAN	10	VARIES	
⊞	RAINBIRD 1806-PRS-15EST	4x15	0.61	30
⊞	RAINBIRD 1806-MPR-5CST-B	5	0.50	30



VALVE CHART

VALVE NO.	GPM	SIZE
1	10.00	1"
2	13.00	1"
3	29.85	1 1/2"

CAUTION!!! OVERHEAD AND UNDERGROUND UTILITIES

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

DEPARTMENT OF SOCIAL AND HEALTH SERVICES
SECURE COMMUNITY TRANSITION FACILITY
KING COUNTY
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SEATTLE, WASHINGTON

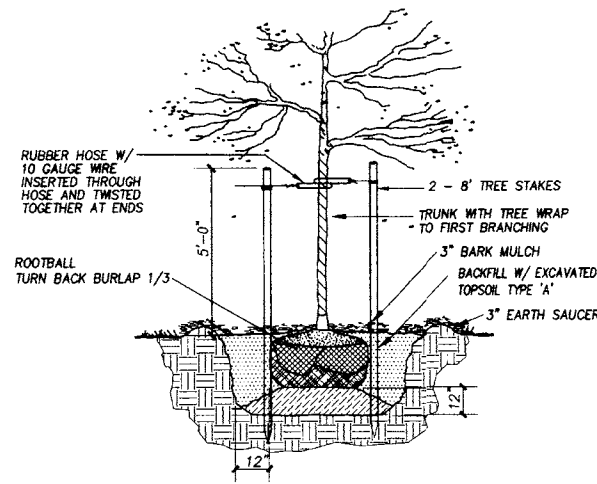
KMB JUSTICE FACILITIES GROUP
828-7th AVENUE SE, OLYMPIA, WASHINGTON 98501 (360) 352-8883

ORIGINAL SHEET SIZE = 22 x 34
HALF SIZE REDUCTIONS = 11x17
DRAWN BY: KMB DESIGN TEAM
DATE: 11-01-04
SHEET NO. L1.4

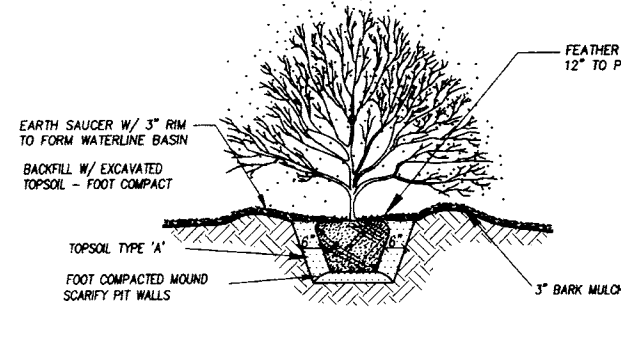
Robert W. Droll
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STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
Robert W. Droll
Certificate No. 500

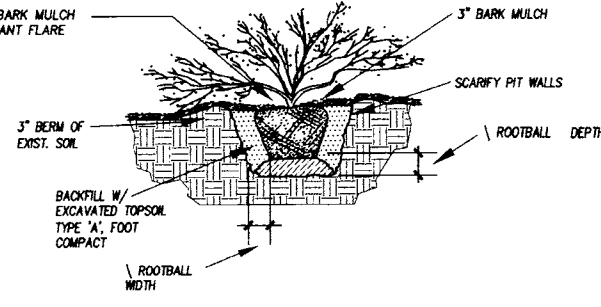
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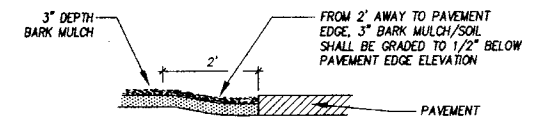
1 DECIDUOUS TREE PLANTING DETAIL
L1.5 N.T.S.



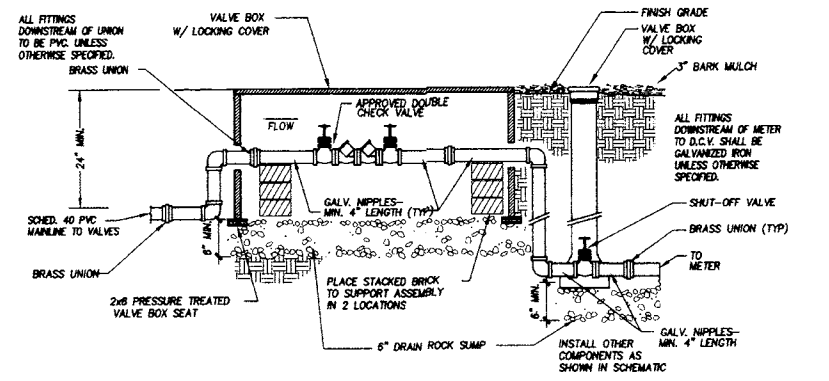
2 SHRUB PLANTING
L1.5 N.T.S.



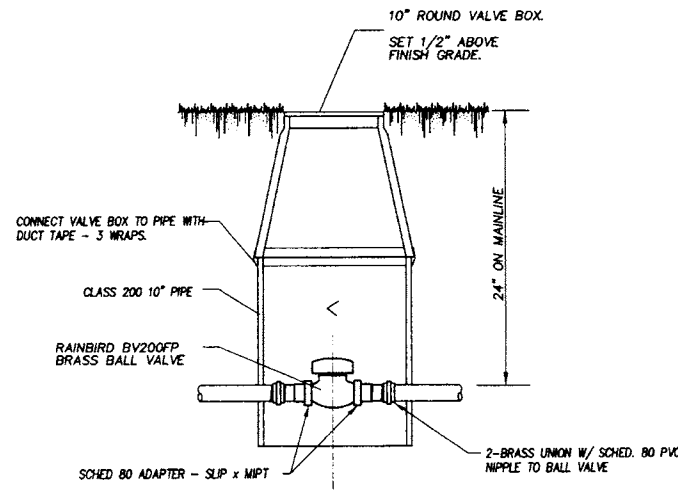
3 GROUNDCOVER PLANTING DETAIL
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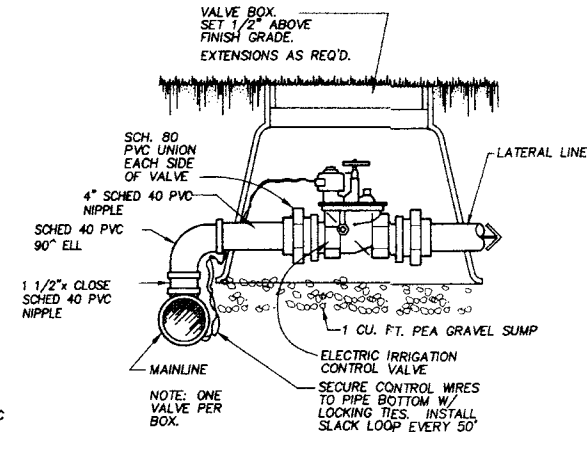
4 BARK MULCH/SOIL GRADE
L1.5 N.T.S.



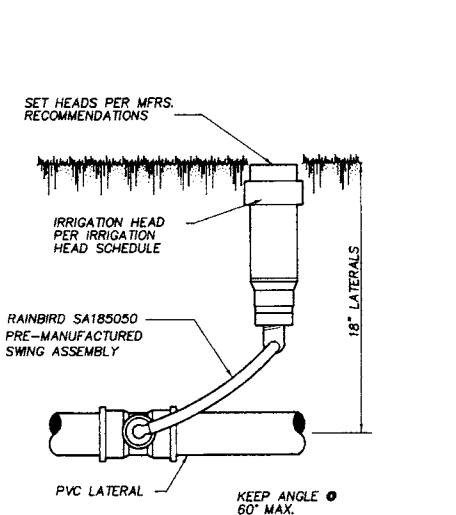
5 DOUBLE CHECK VALVE ASSEMBLY
L1.5 N.T.S.



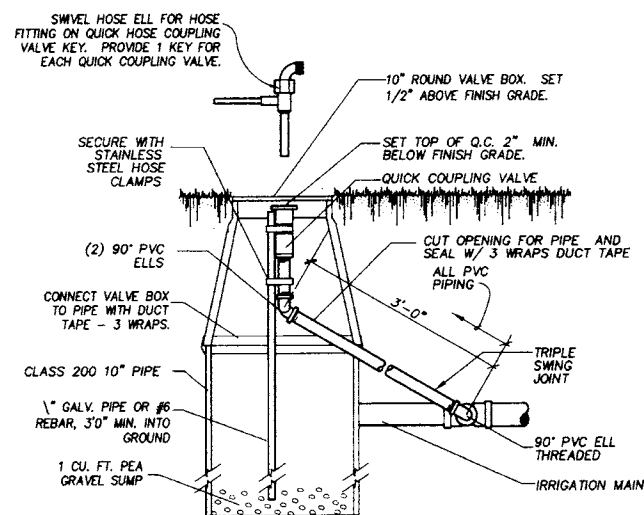
6 MANUAL SHUT-OFF VALVE
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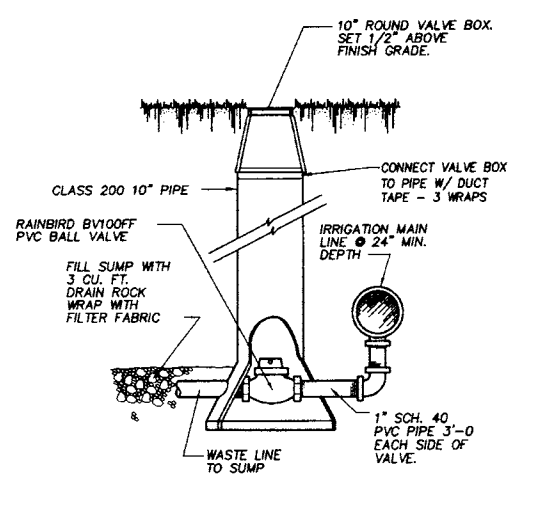
7 ELEC. CONTROL VALVE
L1.5 N.T.S.



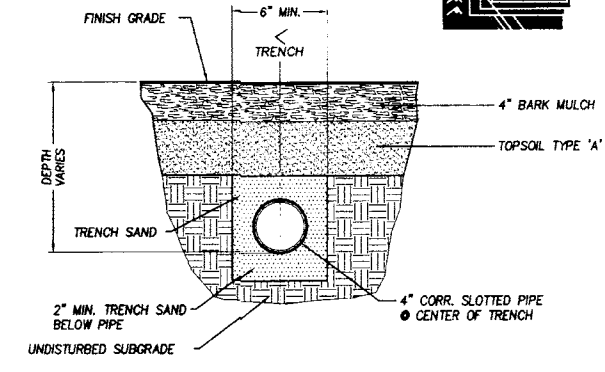
8 POP-UP HEAD W/
FLEXIBLE SWING PIPE
L1.5 N.T.S.



9 QUICK COUPLING VALVE
L1.5 N.T.S.



10 MANUAL DRAIN VALVE
L1.5 N.T.S.



11 LANDSCAPE DRAINAGE
L1.5 N.T.S.

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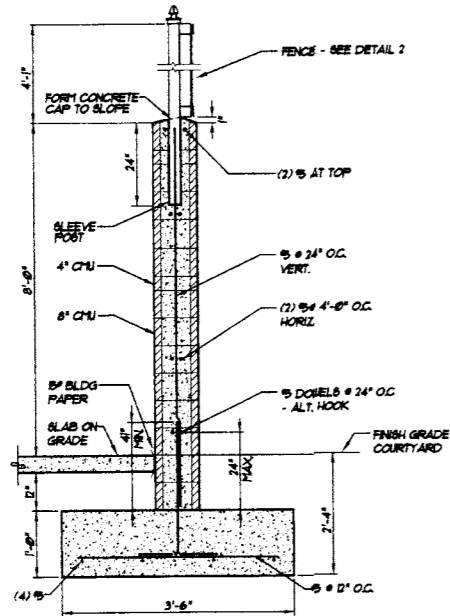
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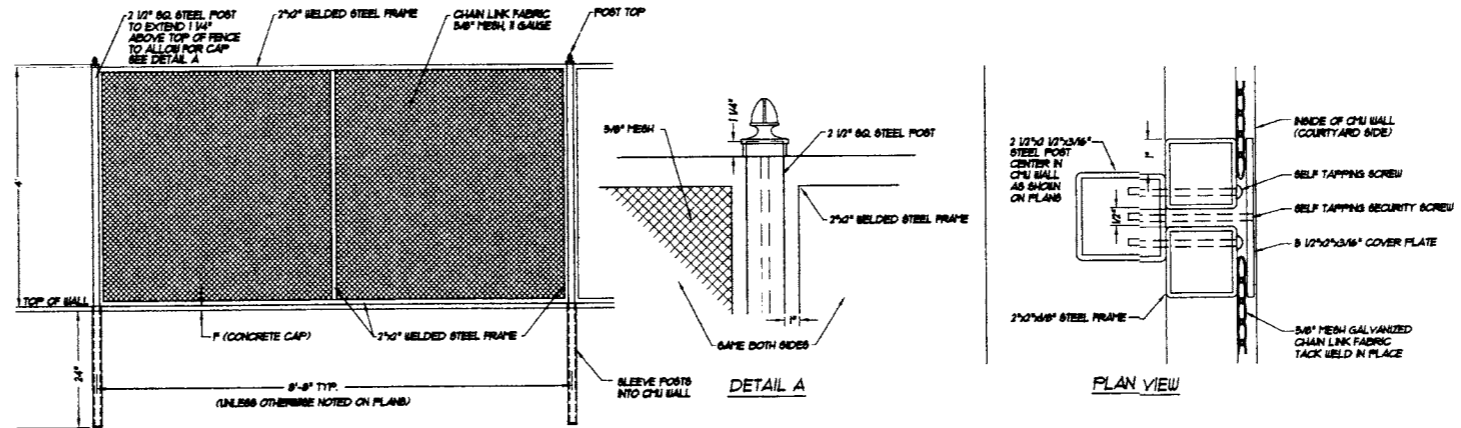
SHEET NO.
L1.5

RE-BID

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1
L1.6 CMU WALL / CHAIN LINK FENCE N.T.S.



2
L1.6 CHAIN LINK FENCE ON CMU WALL N.T.S.



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