

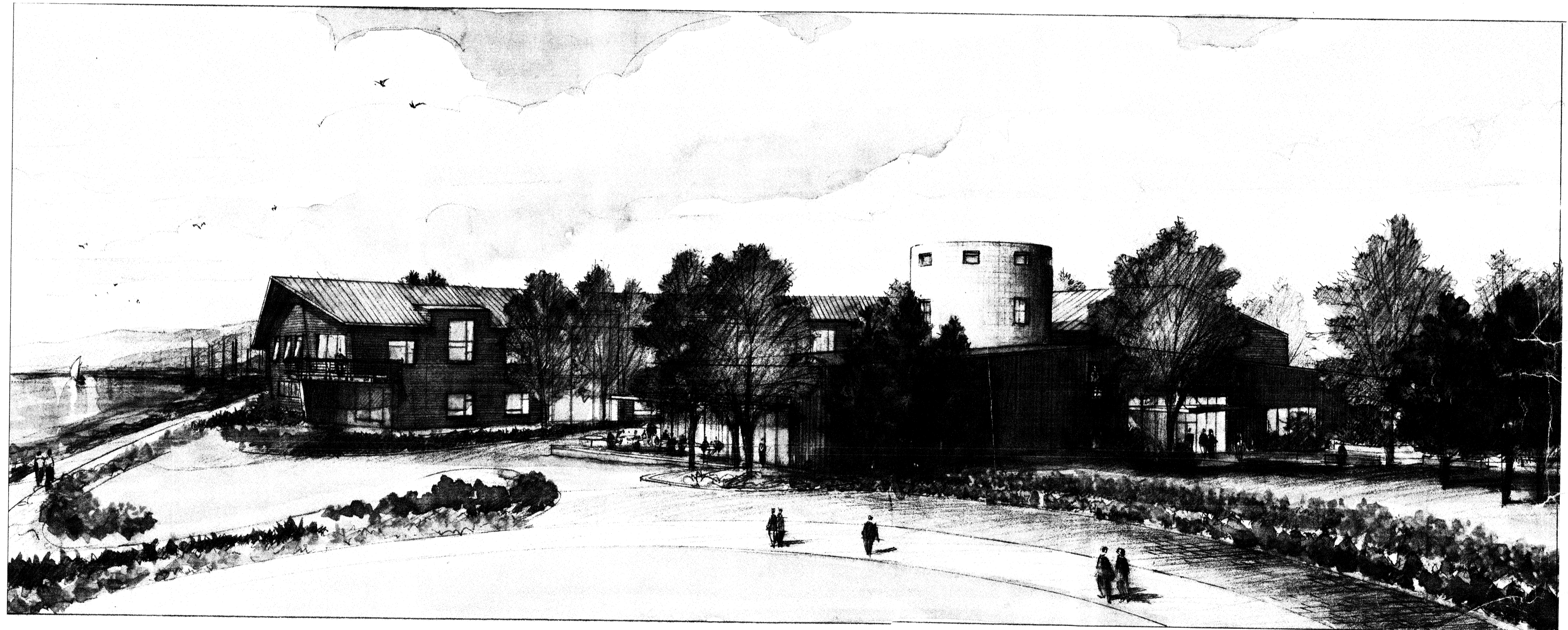
Mithun Partners, Inc.

Construction Set

May 18, 1999



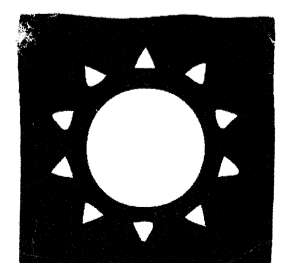
Tex's  
SHS office  
Set



Sun Healthcare Systems, Inc.

Campus: Phase One

Anacortes, Washington







SCALE 1/16" = 1'-0"

NO.	DATE	REVISION

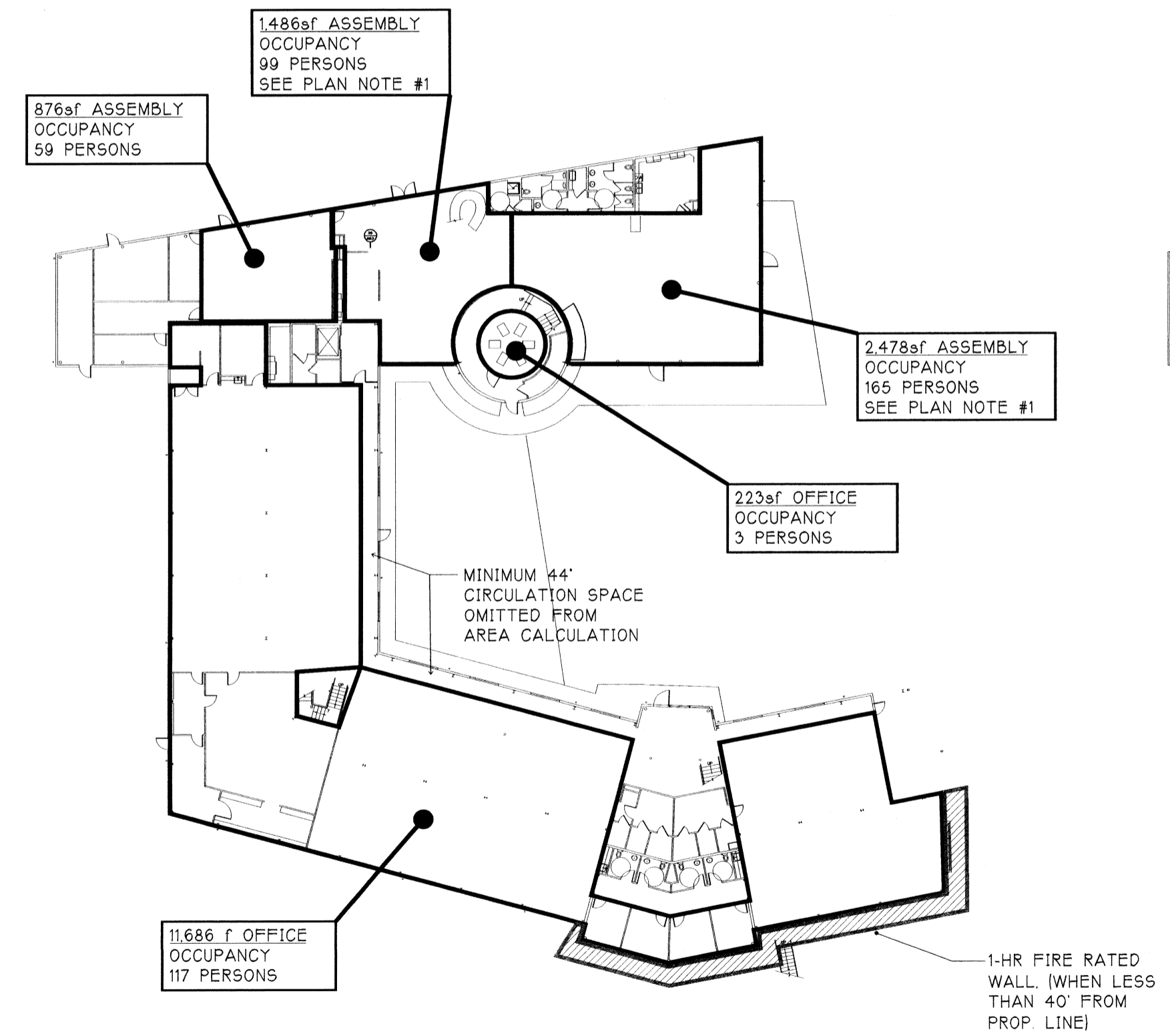
BG	DESIGNED BY
RF	PROJECT MANAGER
DAS/DWG	PROJECT ARCHITECT
DAS	DRAWN
FB	CHECKED

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

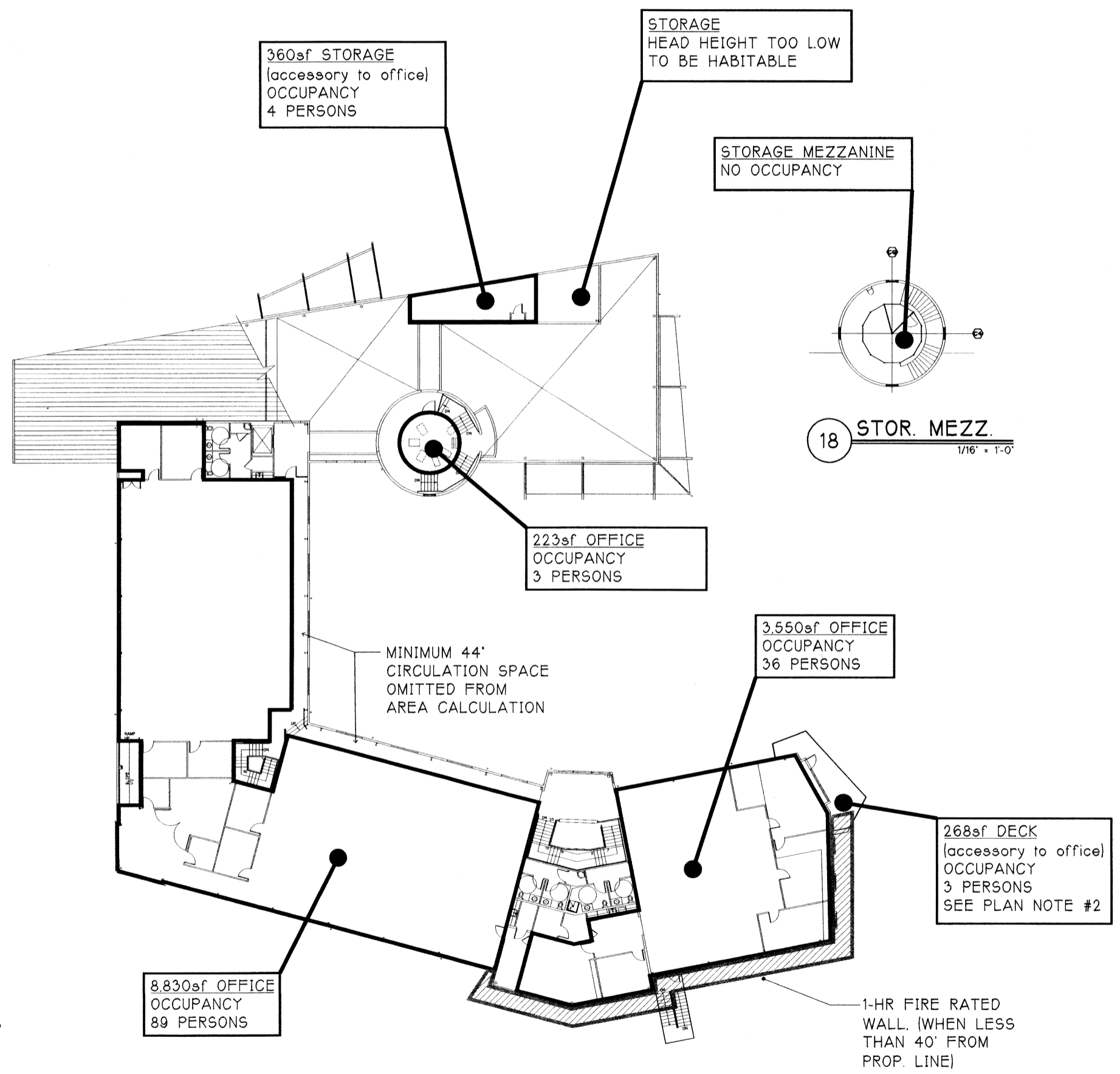
BY BUILDING CODE  
OCCUPANCY ANALYSIS

98060.05  
PROJECT NO.  
MAY 18, 1999  
DATE  
E:\98060\DD\A1-0  
COPYRIGHT ALL RIGHTS RESERVED

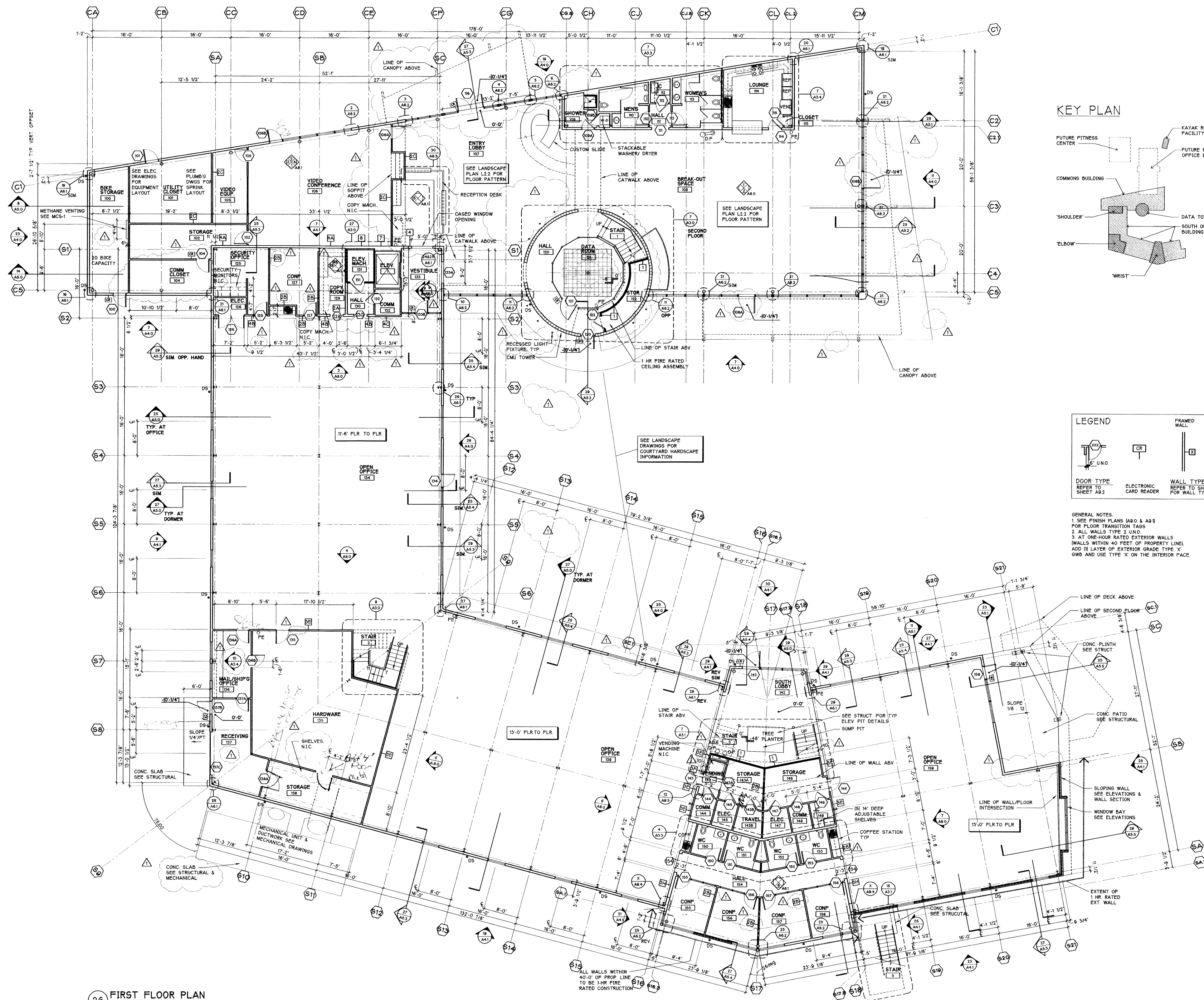
NOTE:  
OCCUPANCY COUNTED FOR ROOM ONLY AND IS NOT ADDED AS PART OF TOTAL BUILDING LOAD



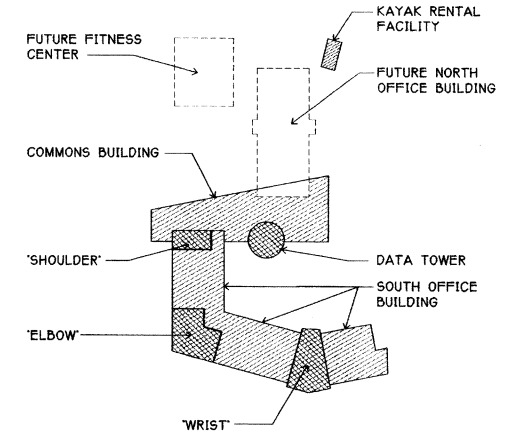
25 FIRST FLOOR PLAN 1/16" = 1'-0"



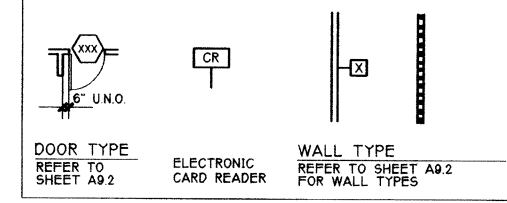
28 SECOND FLOOR PLAN 1/16" = 1'-0"



KEY PLAN



LEGEND



- GENERAL NOTES:  
 1. SEE FINISH PLANS IAG0 & A911 FOR FLOOR TRANSITION TAGS  
 2. ALL WALLS TYPE 2 UNO.  
 3. AT ONE-HOUR RATED EXTERIOR WALLS WALLS WITHIN 40 FEET OF PROPERTY LINE: ADD 1/2 LAYER OF EXTERIOR GRADE TYPE 'X' GWB AND USE TYPE 'X' ON THE INTERIOR FACE.

**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



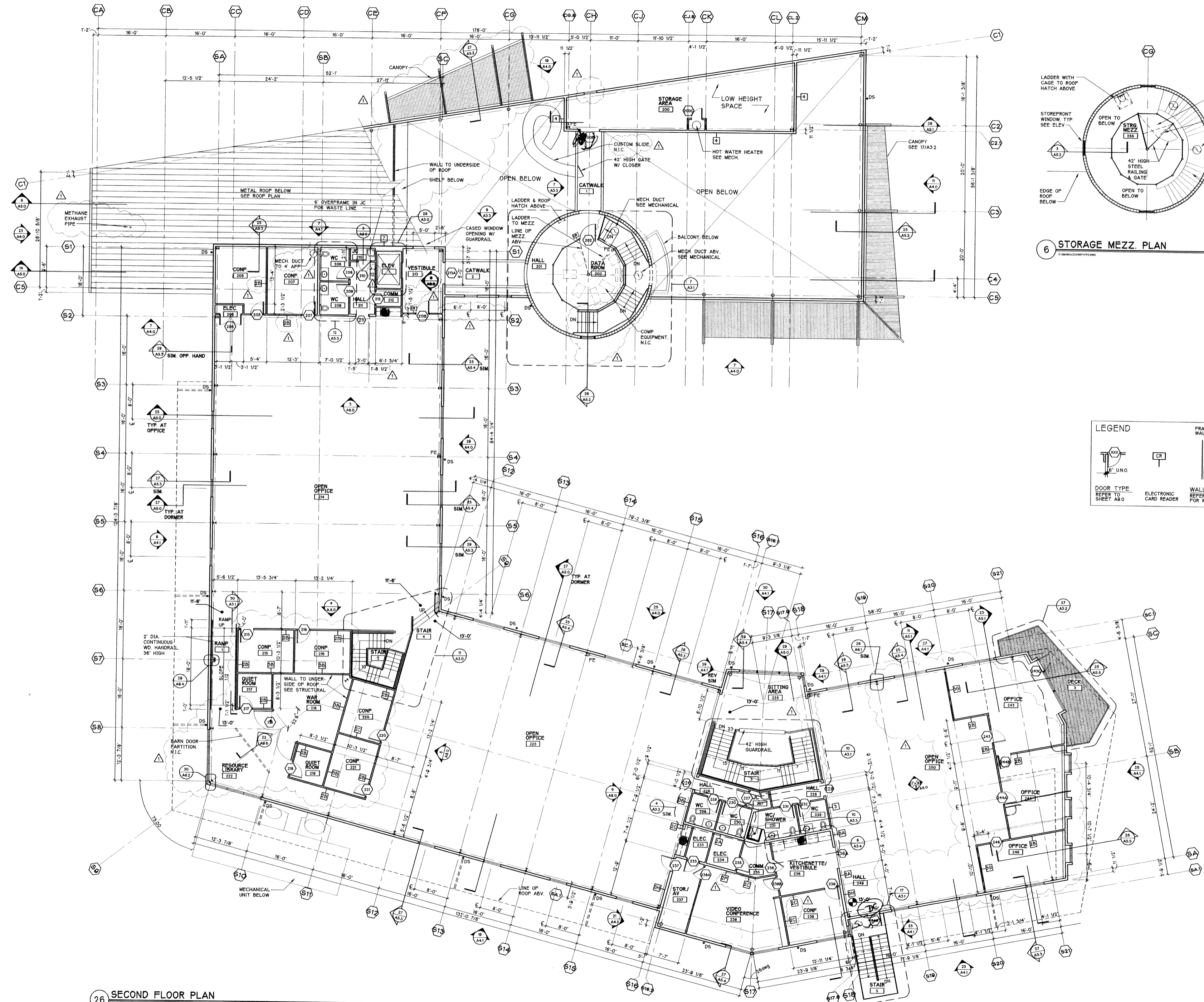
SCALE 1/8"=1'-0"  
 DATE 5/18/99  
 CONSTRU SET

BG  
 PROJECT MANAGER  
 DAS/DWG  
 PROJECT ARCHITECT  
 DAS/DWG  
 FB  
 CHECK

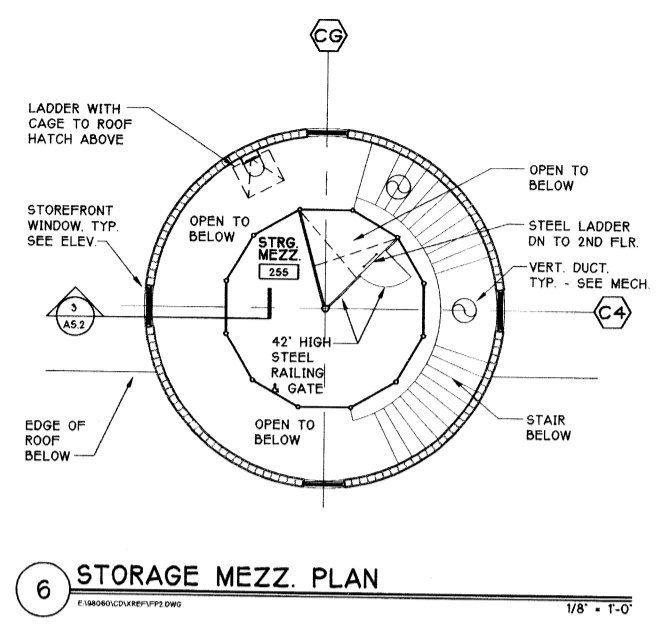
2029 REGISTERED ARCHITECT  
 THOMAS D. ENRICH  
 STATE OF WASHINGTON

FIRST FLOOR PLAN

98060.05  
 PROJECT NO.  
 MAY 18, 1999  
 S:\\_1998\980601\CA\DC\IA2-0  
 COMPUTER FILE NAME



26 SECOND FLOOR PLAN



6 STORAGE MEZZ. PLAN

LEGEND

	DOOR TYPE REFER TO SHEET A90		ELECTRONIC CARD READER		FRAMED WALL		1-HOUR RATED WALL
	WALL TYPE REFER TO SHEET A90 FOR WALL TYPES						



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU SET

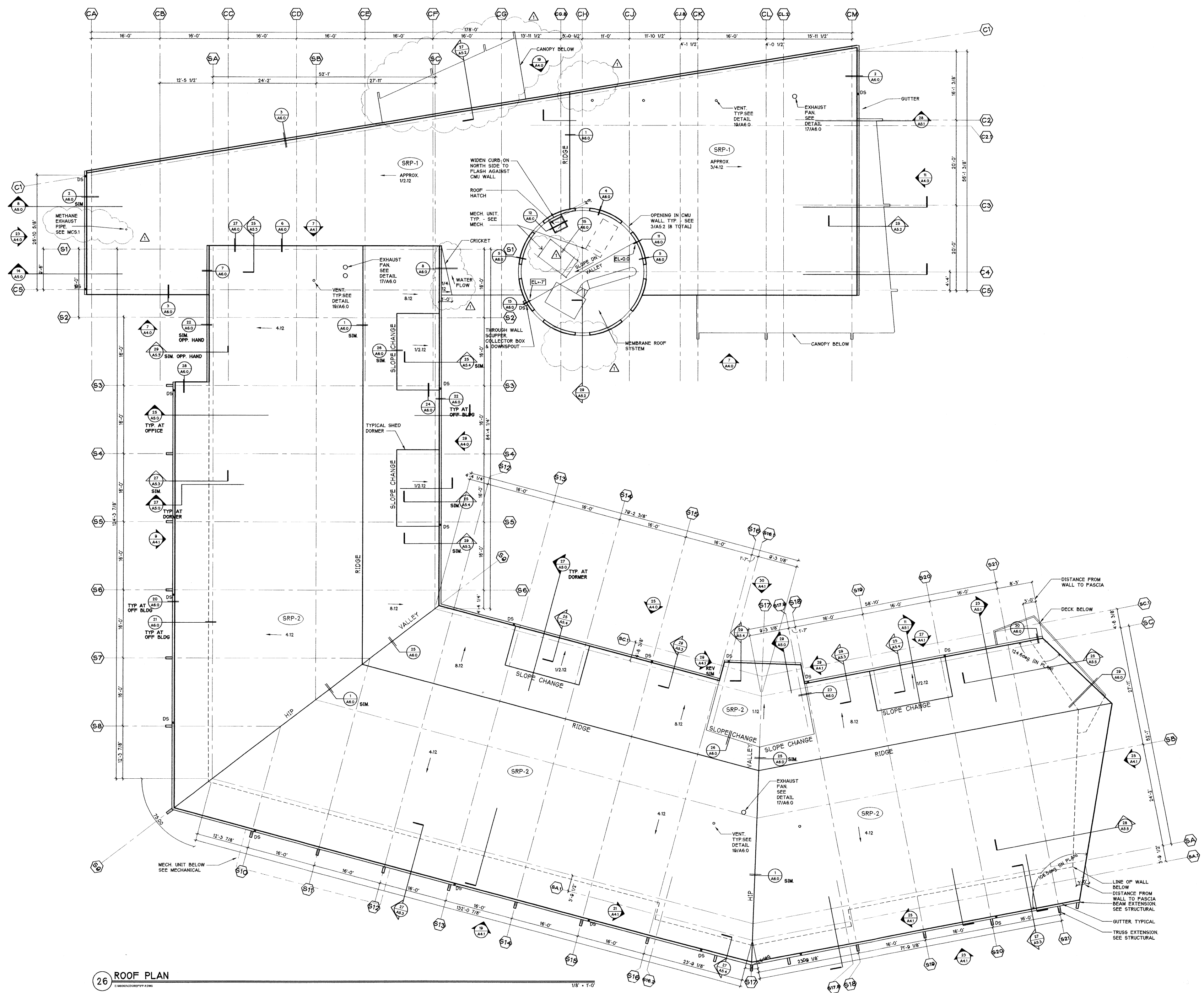
BG  
 RF  
 DAS/DWG  
 DAS/DWG  
 FB

2029 REGISTERED ARCHITECT  
 THOMAS D. EMERSON  
 STATE OF WASHINGTON

SECOND FLOOR PLAN

98060.05  
 MAY 18, 1999  
 S:\1998\98060\CA D\CD\A2-1

A2.1 CONSTRUCTION SET



26 ROOF PLAN  
E:\WORK\CONSTRUCTION\PPF & DWG

1/8" = 1'-0"



SCALE 1/8"=1'-0"  
5/18/99 CON STRU SET

BG  
RF  
DAS/DWG  
DAS/DWG  
FB  
DECK

2029 REGISTERED ARCHITECT  
THOMAS D. EMRICH  
STATE OF WASHINGTON

ROOF PLAN  
98060.05  
MAY 18, 1999  
E:\98060\DDIA2-2

A2.2 CONSTRUCTION SET



SCALE 1/4"=1'-0"

5/18/99 CONSTRU SET

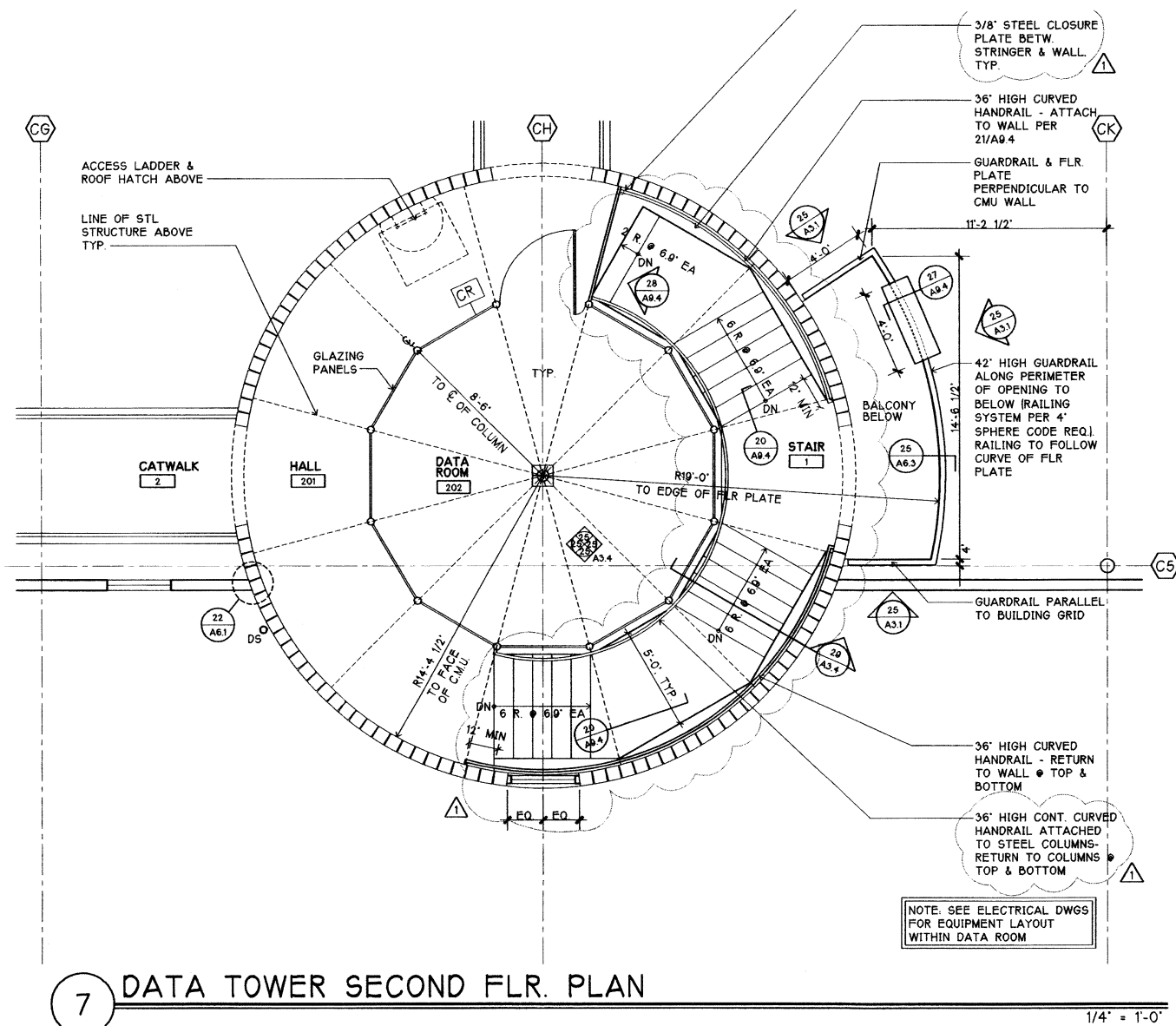
BG  
OWNER  
RF  
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
KT  
DRW  
FB  
CHK

2029 REGISTERED ARCHITECT  
THOMAS D. EMRICH  
STATE OF WASHINGTON

ENLARGED STAIR & ELEVATOR PLANS/ SECTIONS

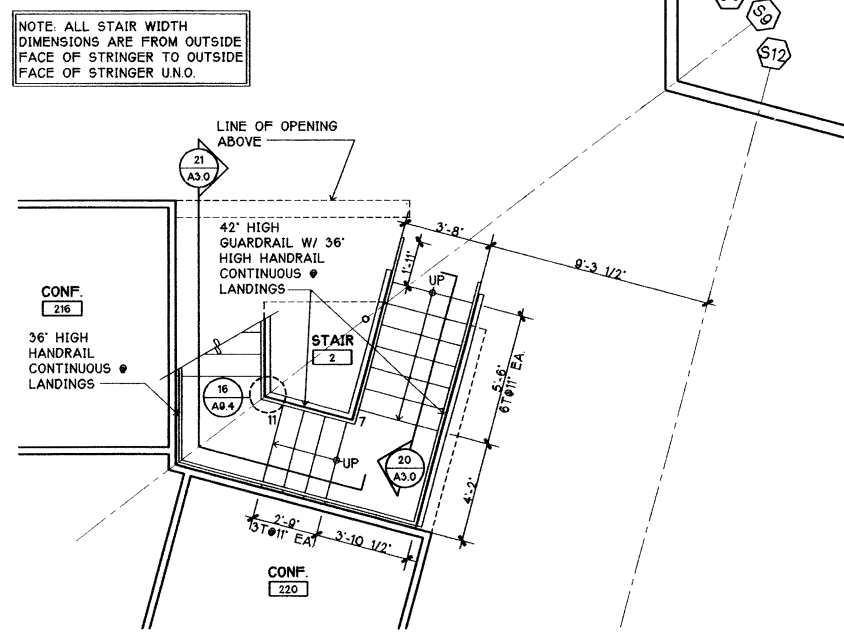
98060.05  
MAY 18, 1999  
E:\98060\CD\A3-0  
DWG FILE NAME

A3.0 CONSTRUCTION SET



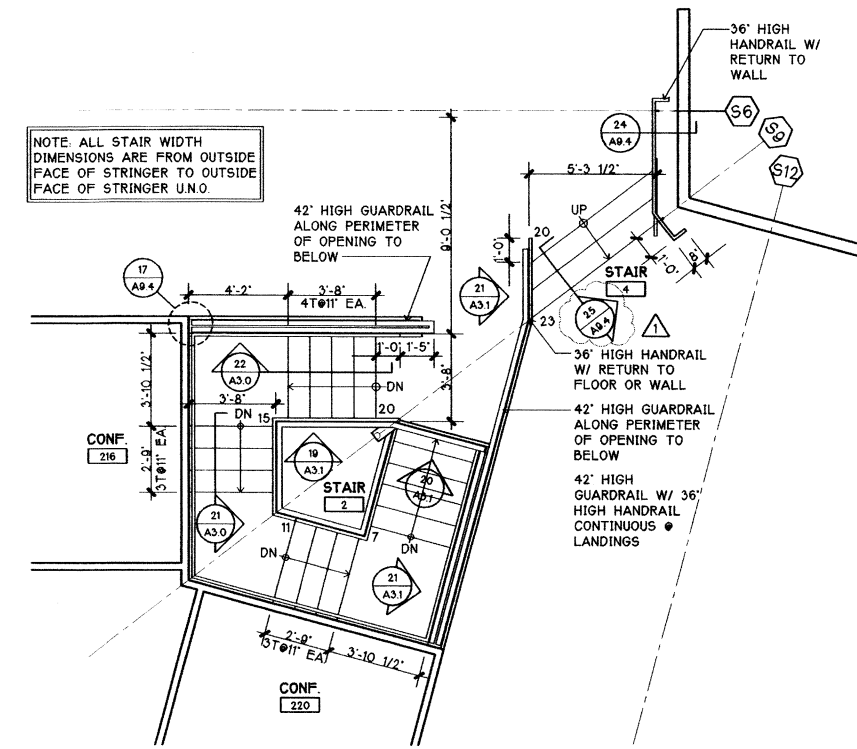
7 DATA TOWER SECOND FLR. PLAN

1/4" = 1'-0"



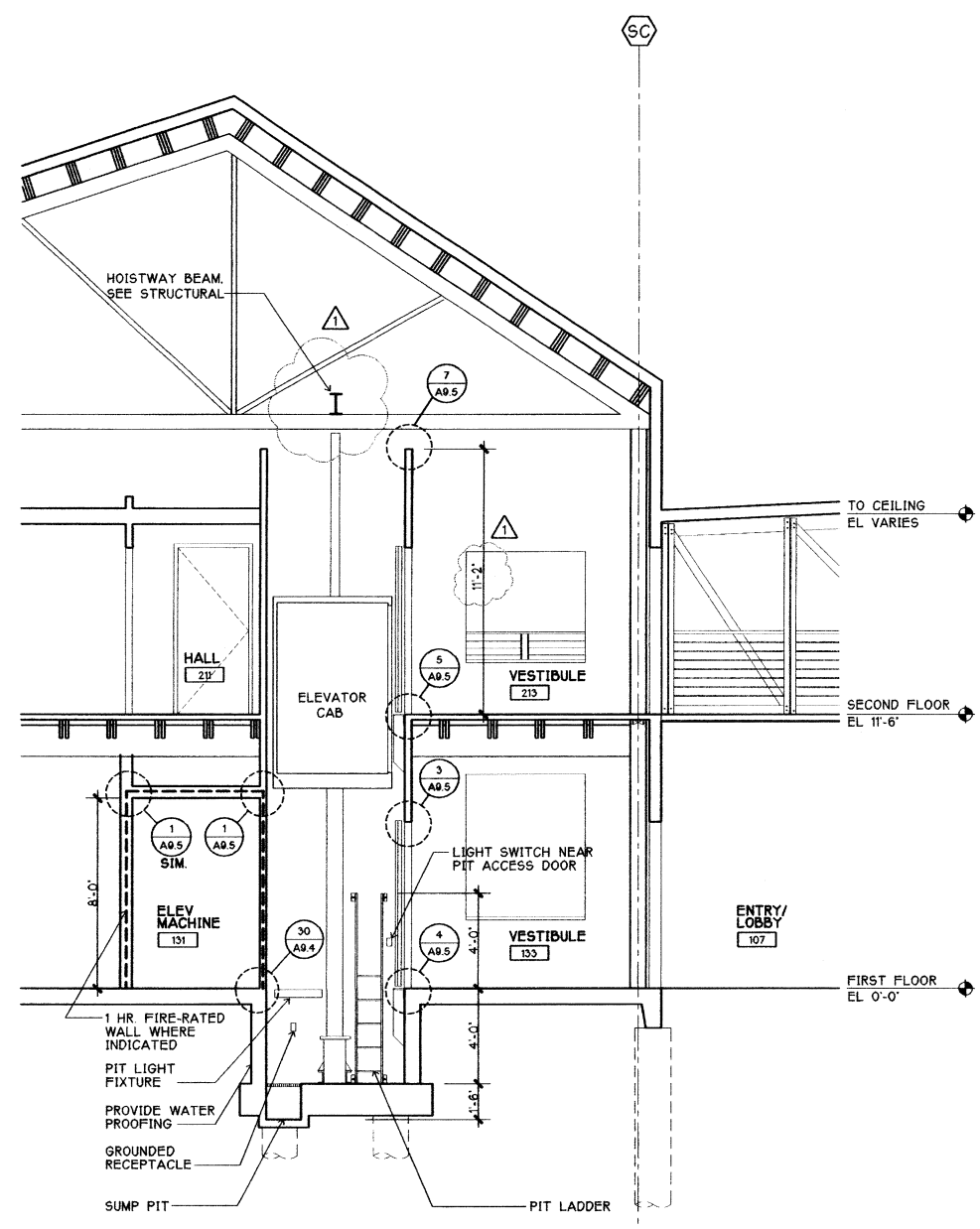
9 STAIR 2 - FIRST FLR. PLAN

1/4" = 1'-0"



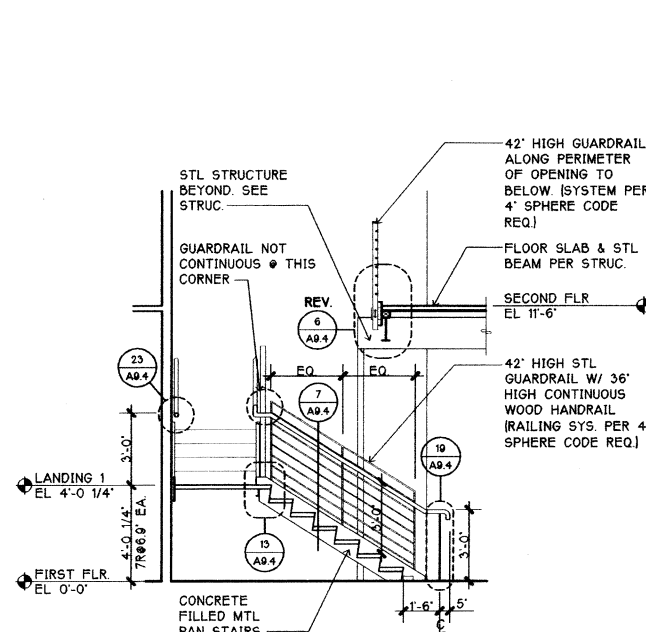
11 STAIR 2 - SECOND FLR. PLAN

1/4" = 1'-0"



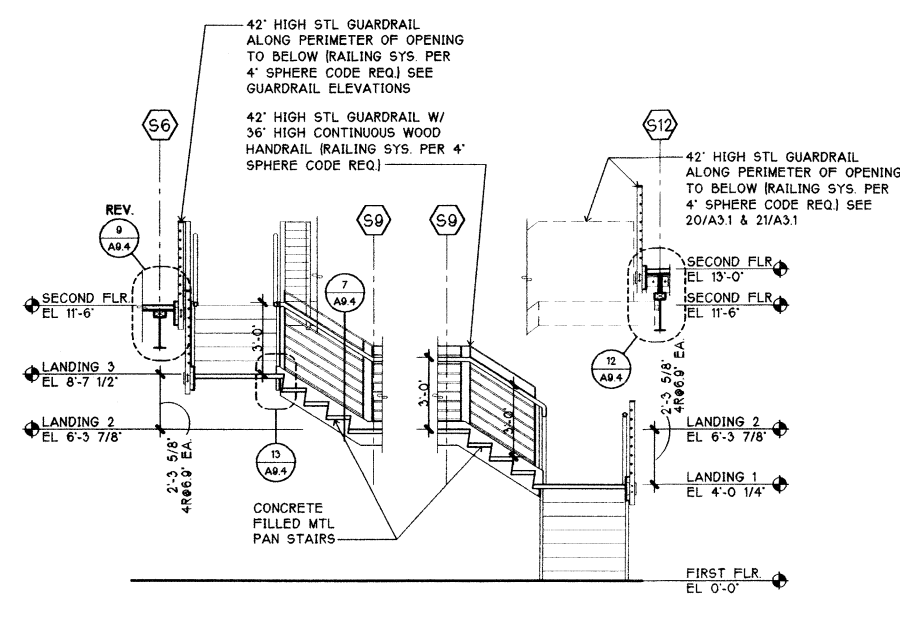
25 ELEVATOR 1 - SECTION

1/4" = 1'-0"



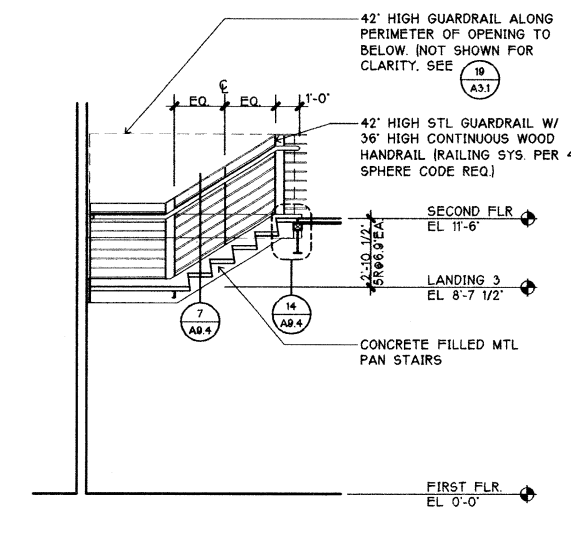
20 STAIR 2 - SECTION

1/4" = 1'-0"



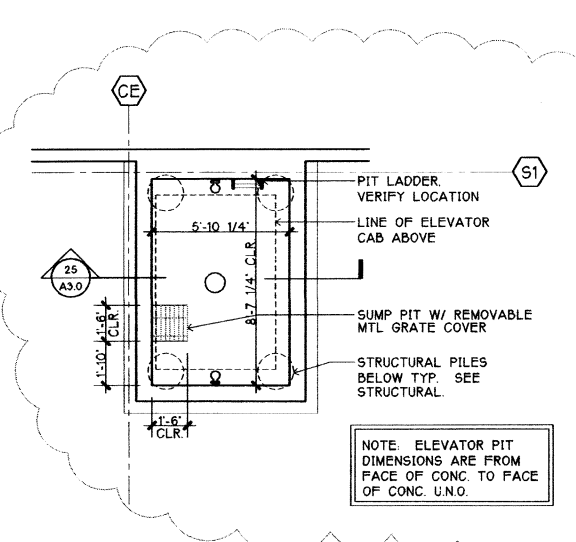
21 STAIR 2 - SECTION

1/4" = 1'-0"



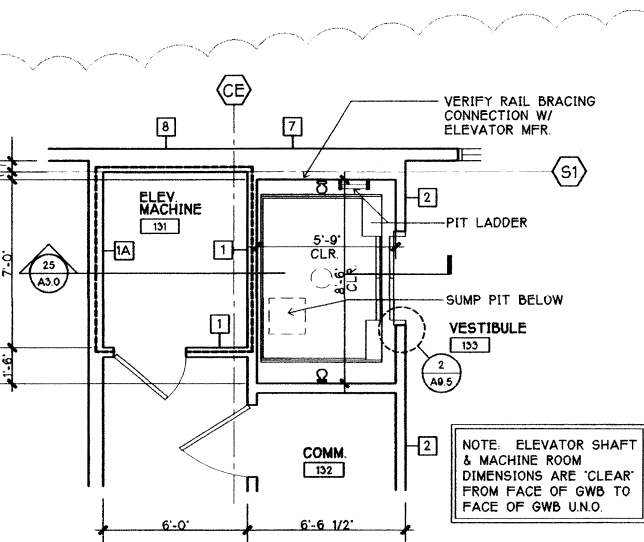
22 STAIR 2 - SECTION

1/4" = 1'-0"



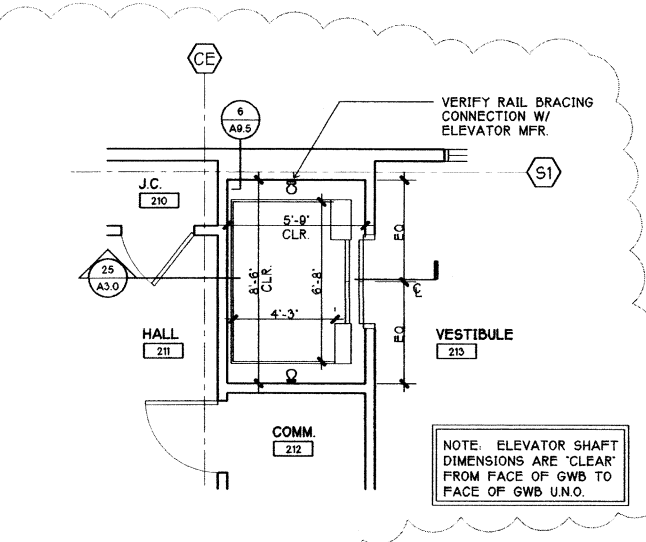
26 ELEVATOR PIT PLAN

1/4" = 1'-0"



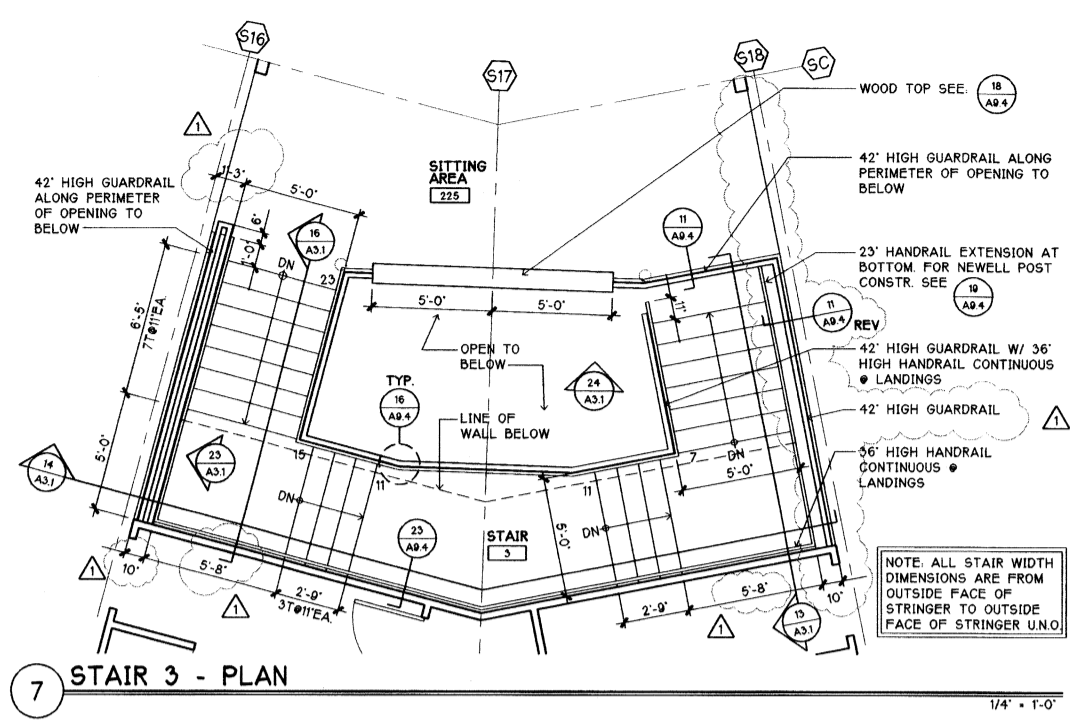
27 FIRST FLR ELEVATOR PLAN

1/4" = 1'-0"

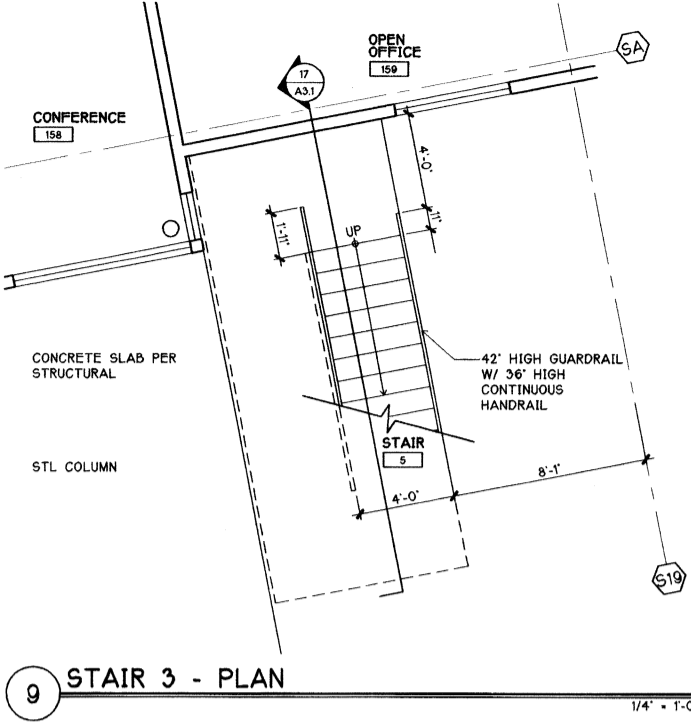


28 SECOND FLR ELEVATOR PLAN

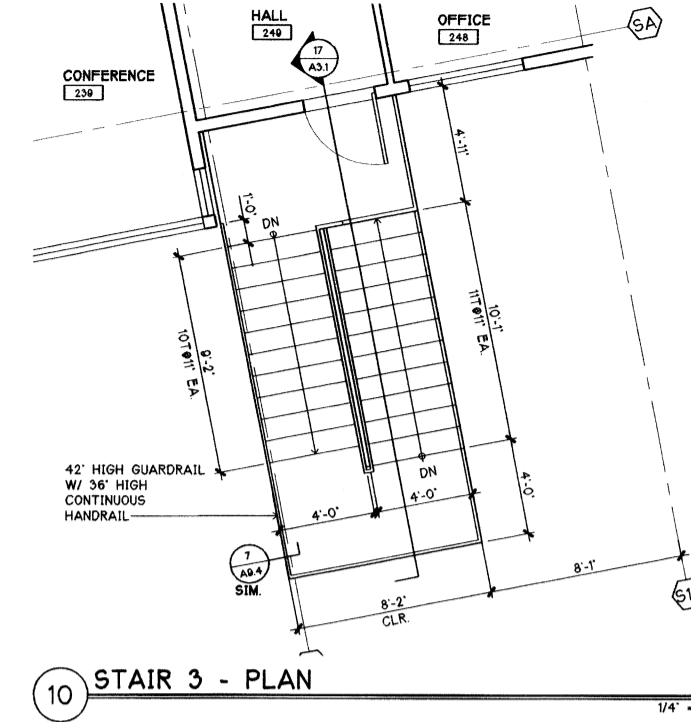
1/4" = 1'-0"



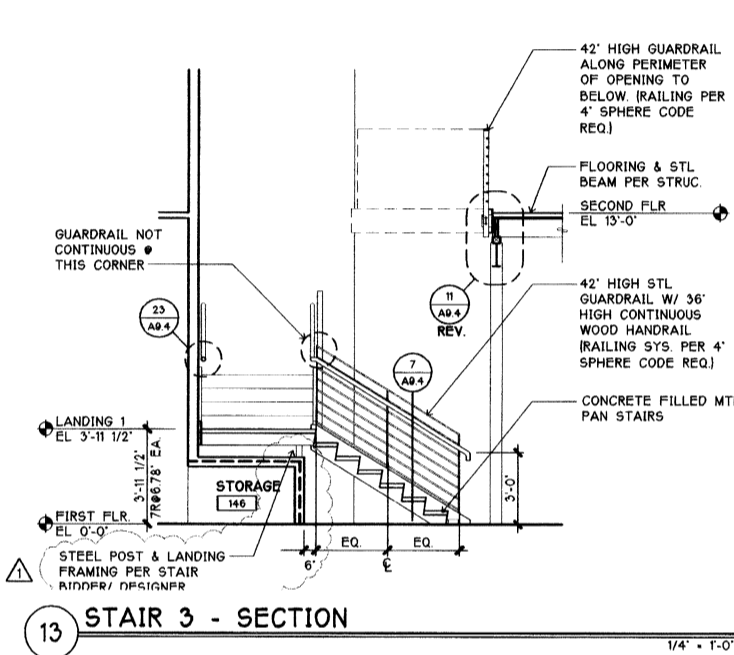
7 STAIR 3 - PLAN



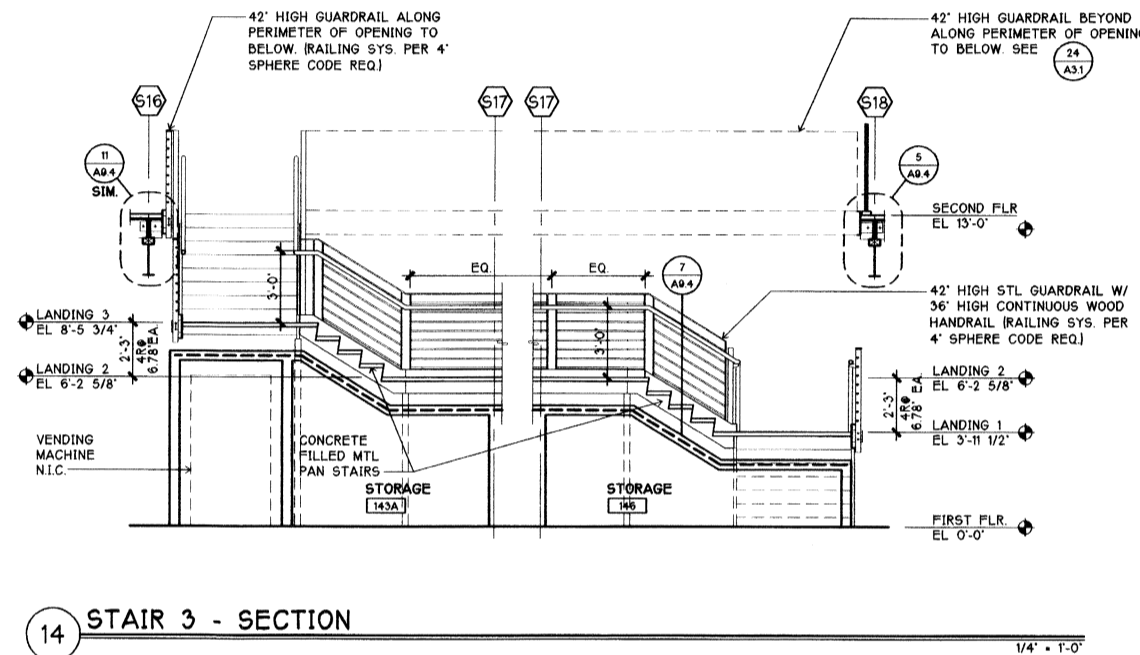
9 STAIR 3 - PLAN



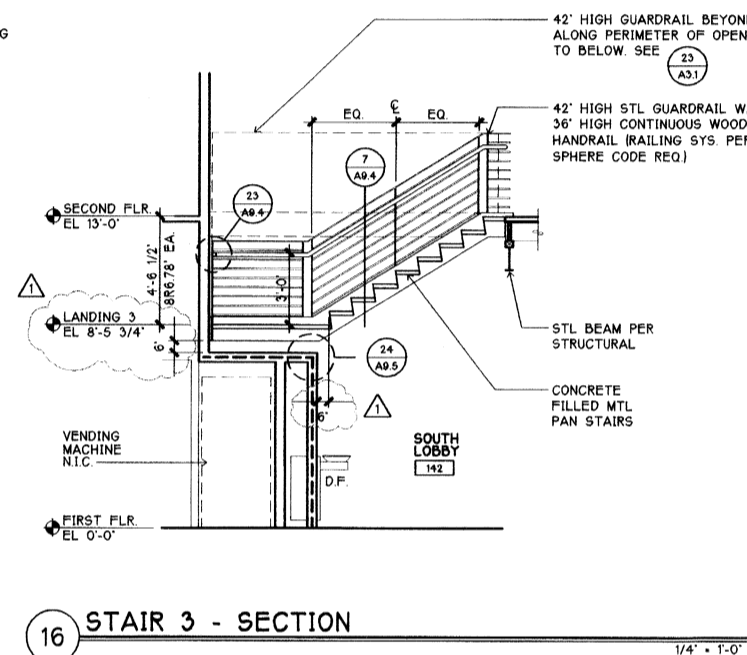
10 STAIR 3 - PLAN



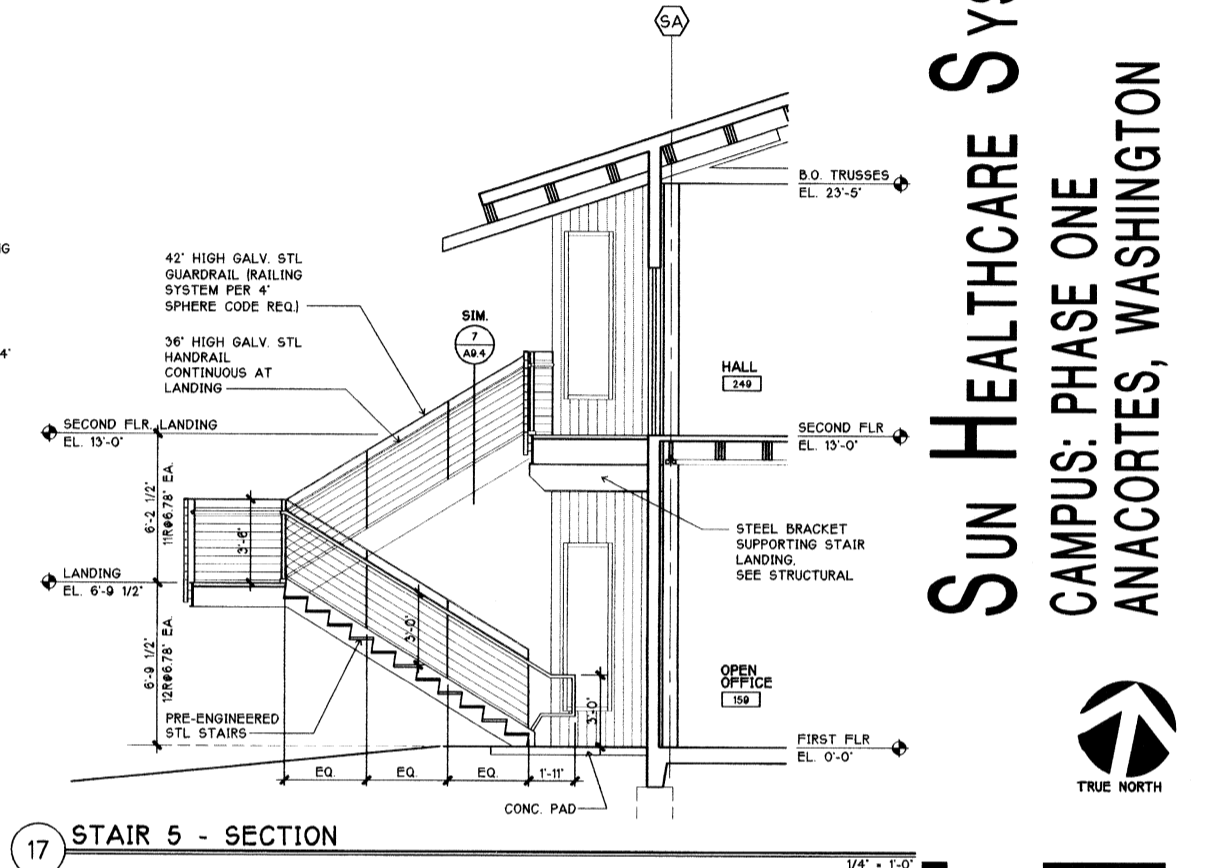
13 STAIR 3 - SECTION



14 STAIR 3 - SECTION

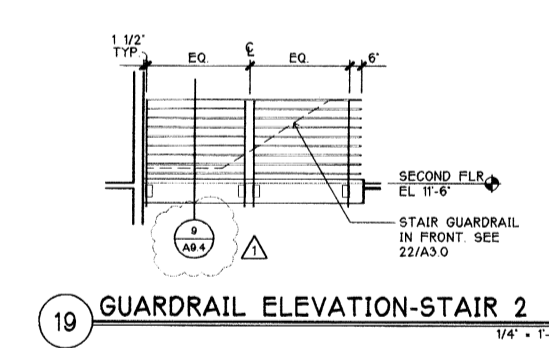


16 STAIR 3 - SECTION

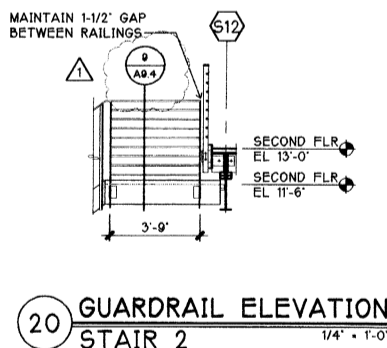


17 STAIR 5 - SECTION

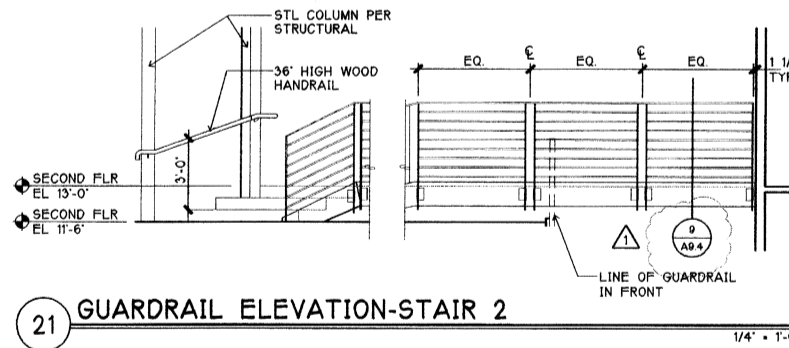
SCALE 1/4"=1'-0"



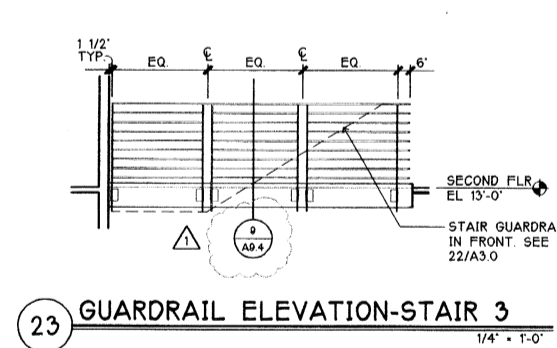
19 GUARDRAIL ELEVATION-STAIR 2



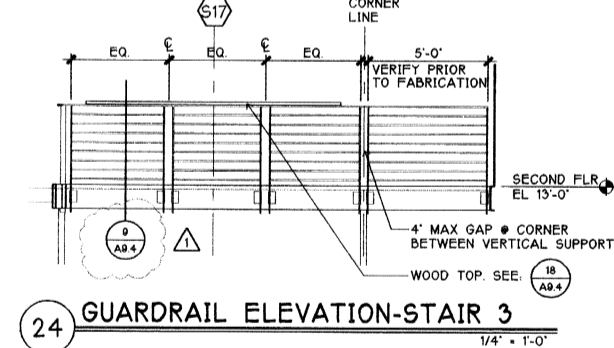
20 GUARDRAIL ELEVATION-STAIR 2



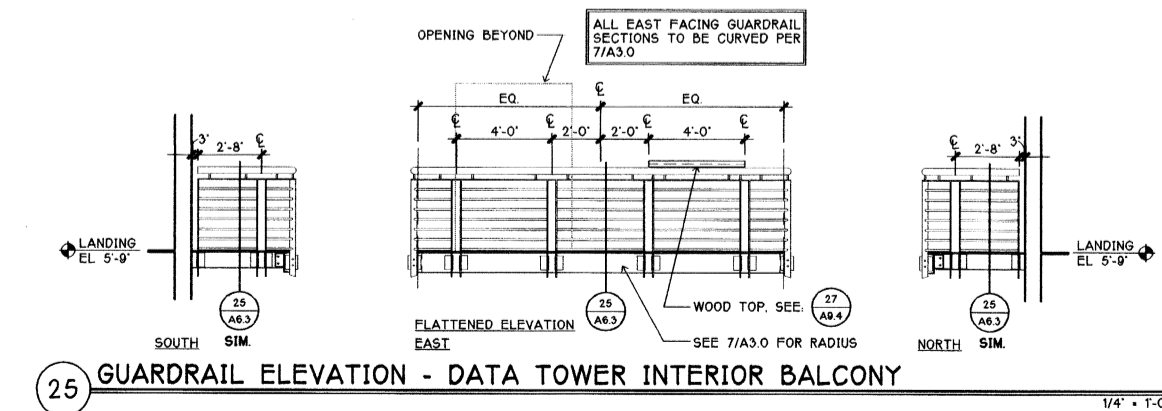
21 GUARDRAIL ELEVATION-STAIR 2



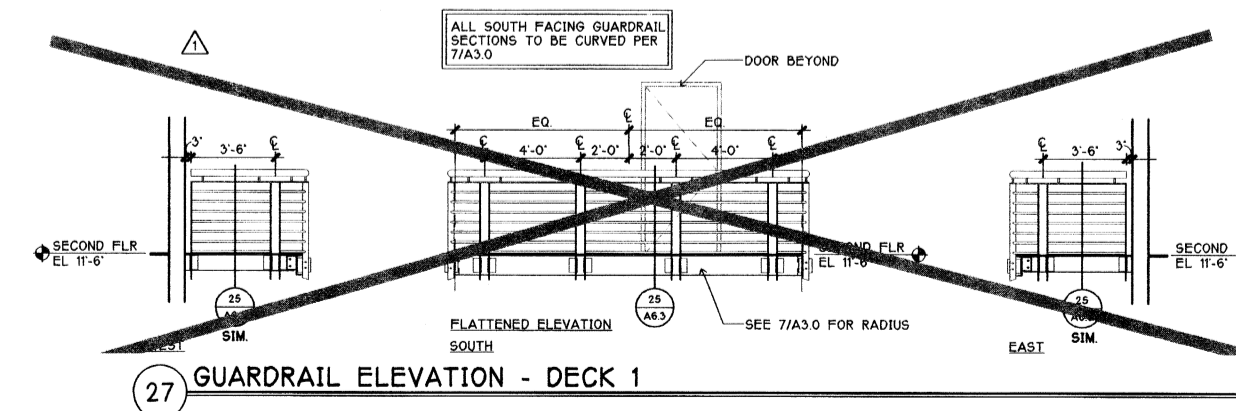
23 GUARDRAIL ELEVATION-STAIR 3



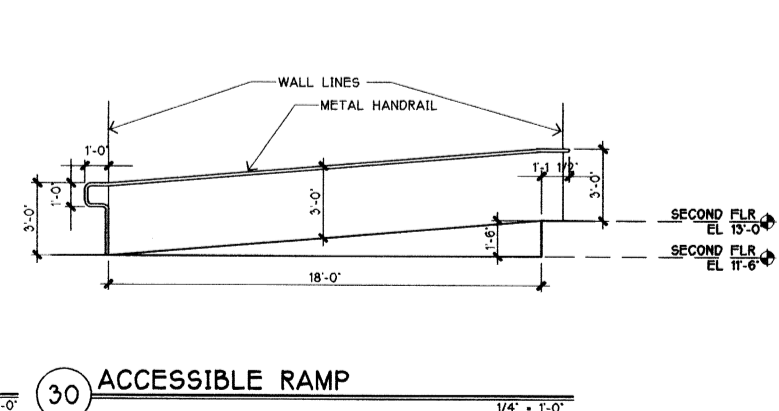
24 GUARDRAIL ELEVATION-STAIR 3



25 GUARDRAIL ELEVATION - DATA TOWER INTERIOR BALCONY



27 GUARDRAIL ELEVATION - DECK 1



30 ACCESSIBLE RAMP

DATE 5/18/99  
REVISION CONSTRU SET

DESIGNED BY CONCEPT  
RF  
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
KT  
CHECKER  
FB  
DRAWN  
DESK

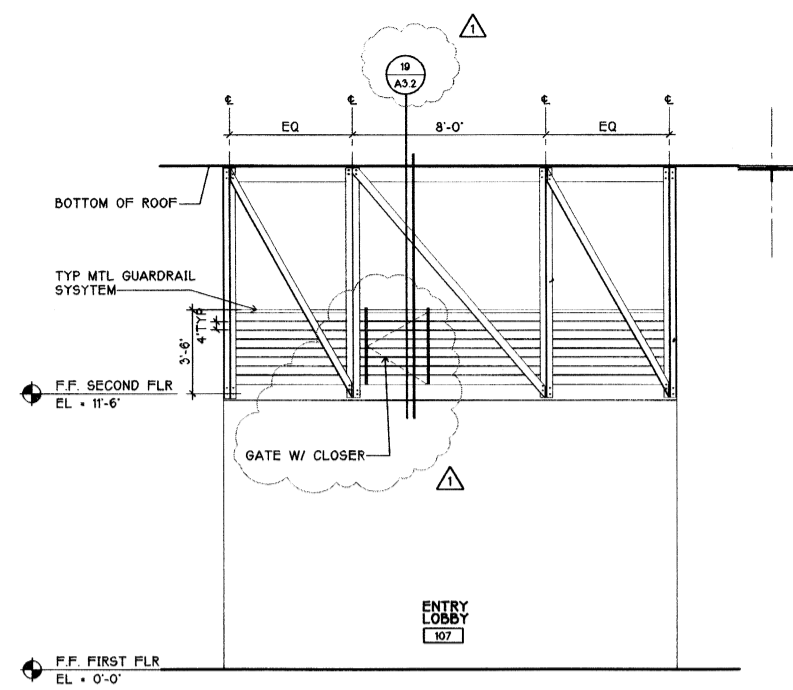
2029 REGISTERED ARCHITECT  
THOMAS D. EHRICH  
STATE OF WASHINGTON

ENLARGED STAIR  
PLANS & SECTIONS,  
GUARDRAIL ELEVATIONS

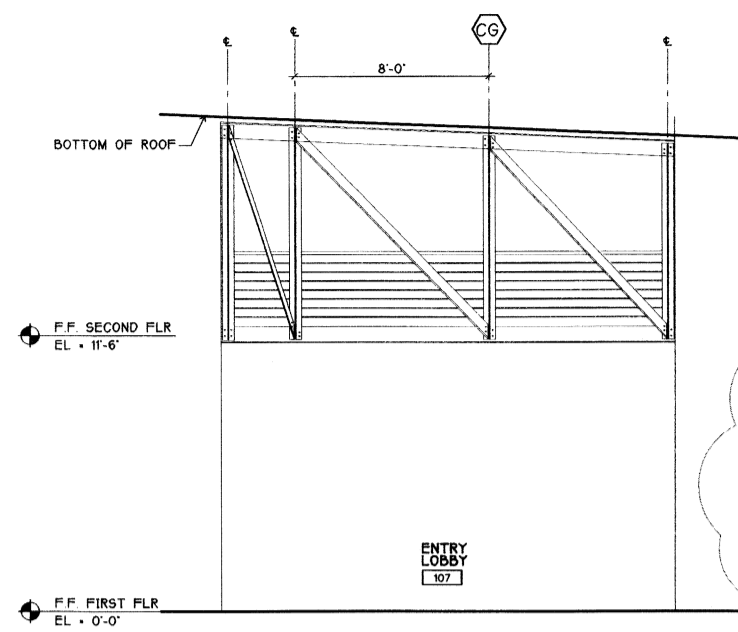
08060.05  
PROJECT NO.  
MAY 18, 1999  
FILE  
E:\98060\CDVA3-1DWG  
COPYRIGHT FILE NAME

A3.1 CONSTRUCTION SET

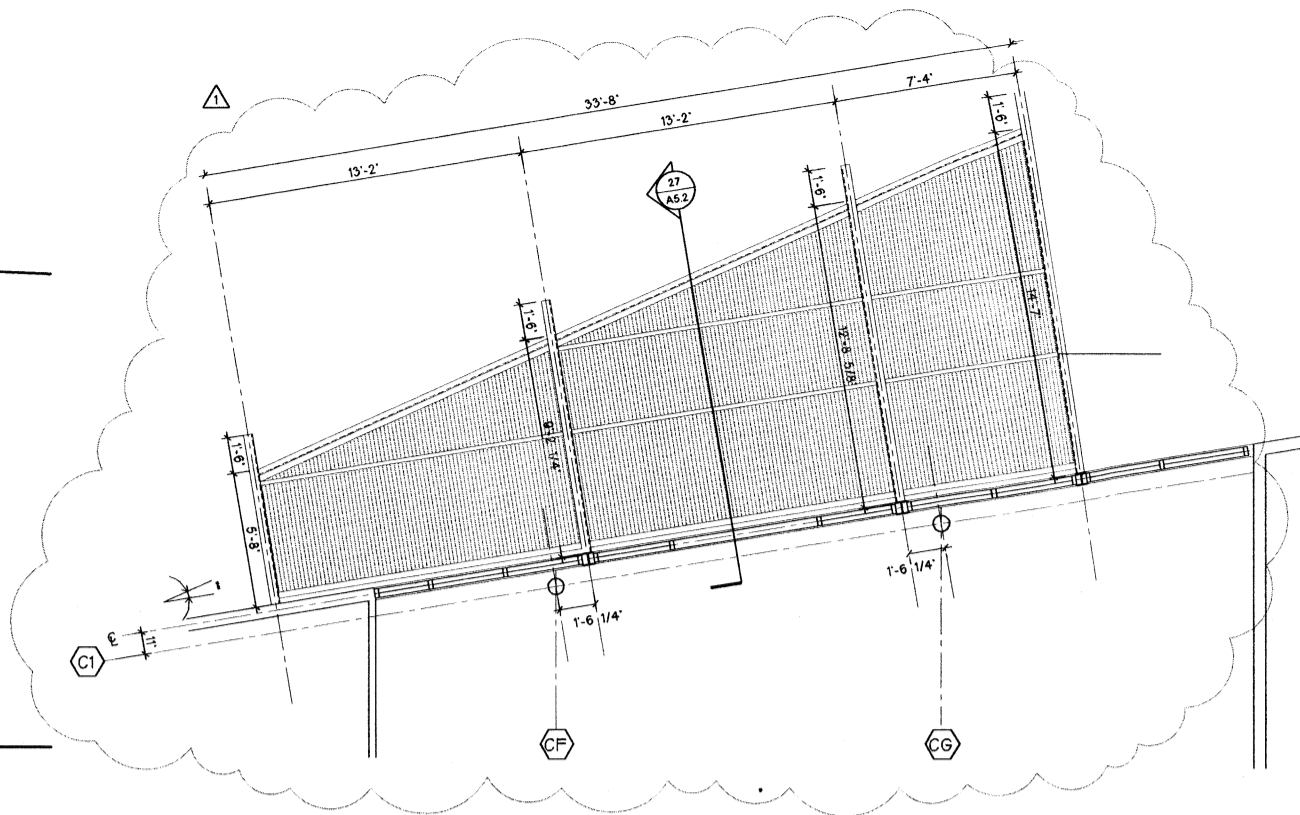




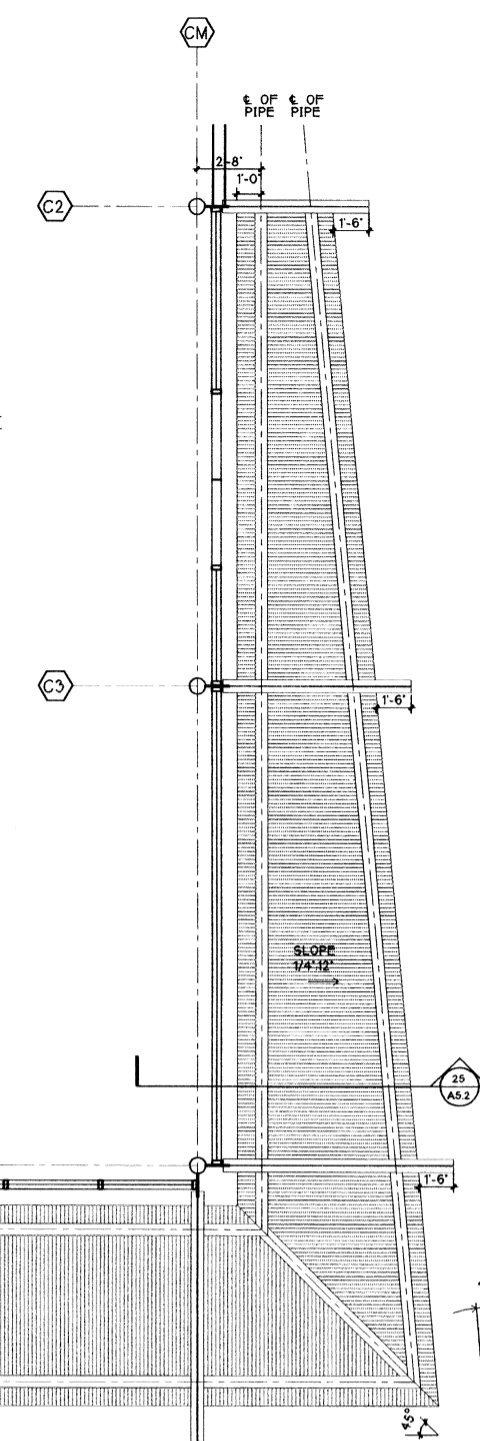
7 CATWALK NO.1 ELEVATION  
1/4" = 1'-0"



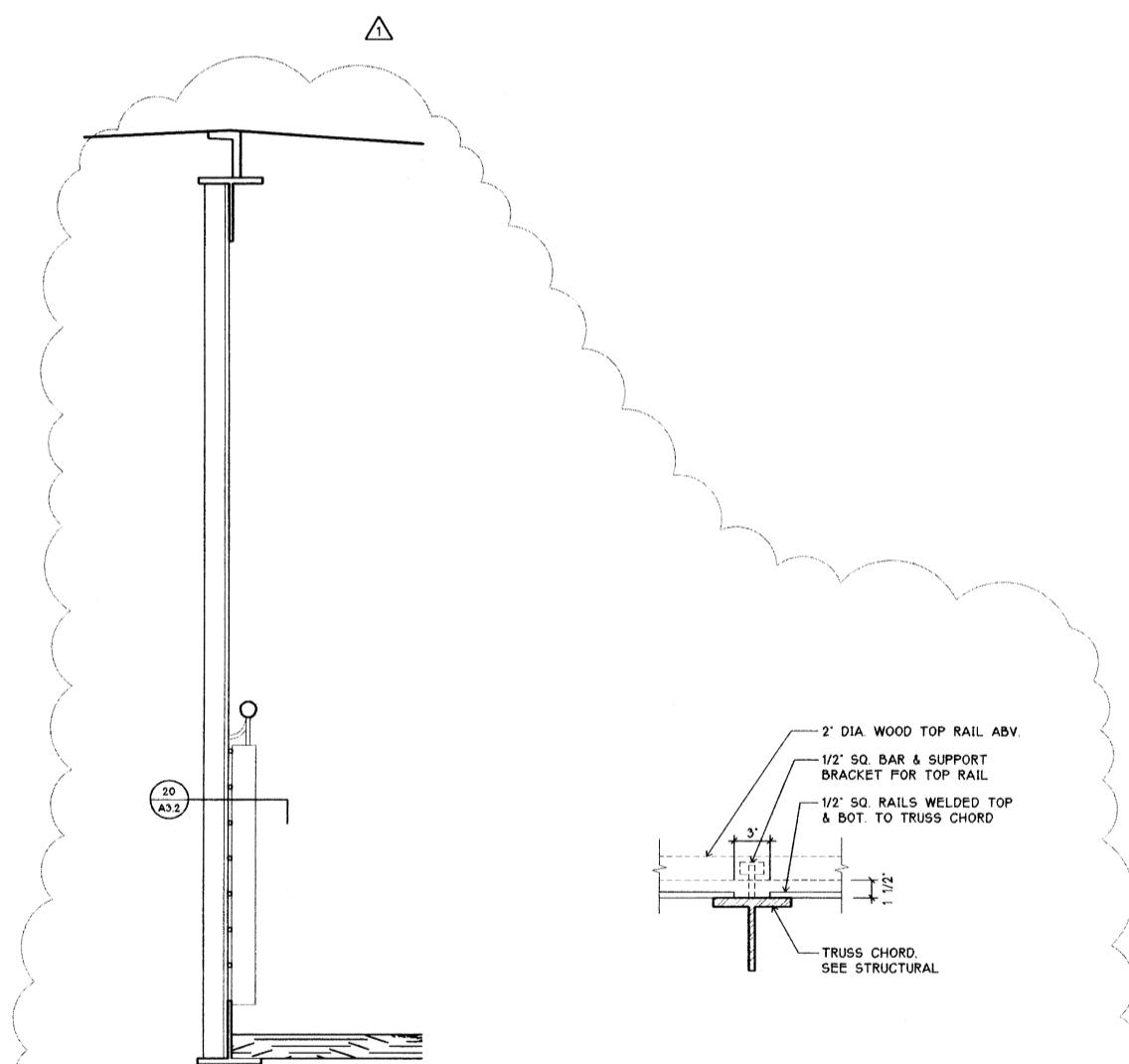
9 CATWALK NO.2 ELEVATION  
1/4" = 1'-0"



11 ENTRY CANOPY REFLECTED CEILING PLAN  
1/4" = 1'-0"

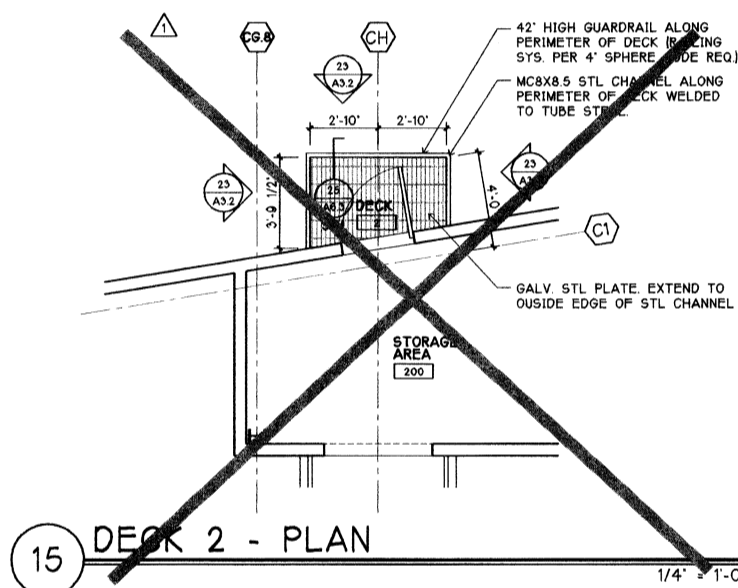


17 COURTYARD CANOPY REFLECTED CEILING PLAN  
1/4" = 1'-0"

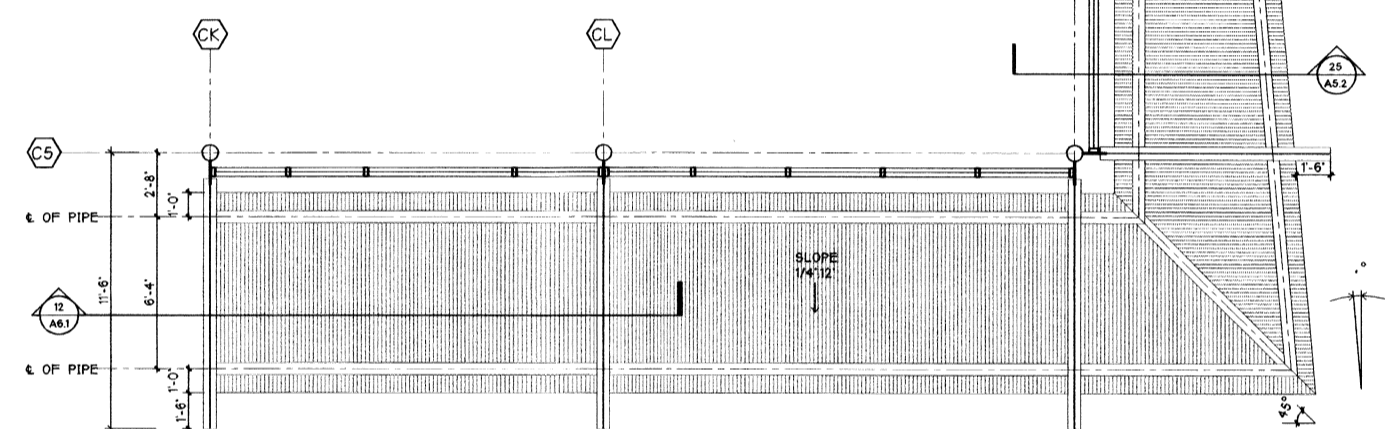


19 CATWALK NO. 1 SECTION  
1" = 1'-0"

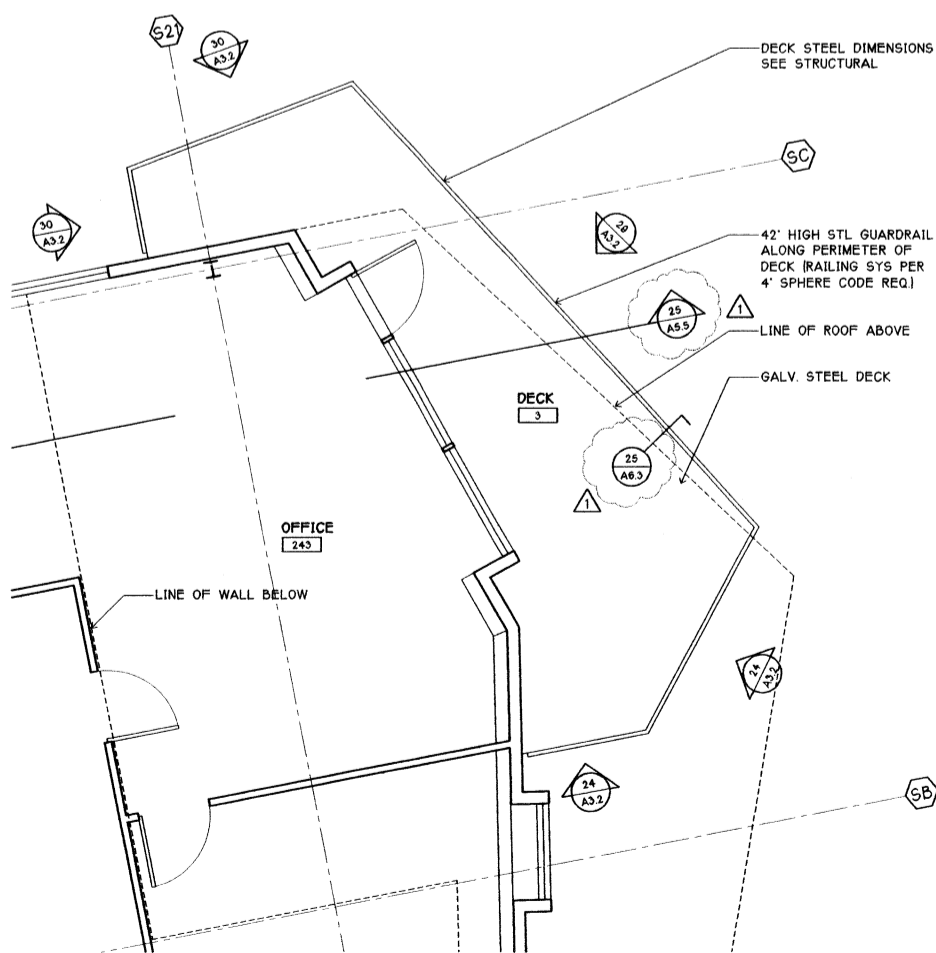
20 RAILING PLAN DETAIL  
1 1/2" = 1'-0"



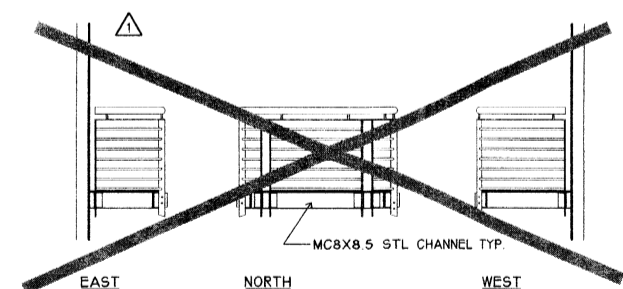
15 DECK 2 - PLAN  
1/4" = 1'-0"



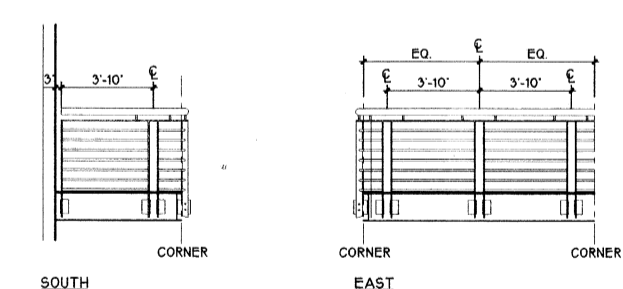
17 COURTYARD CANOPY REFLECTED CEILING PLAN  
1/4" = 1'-0"



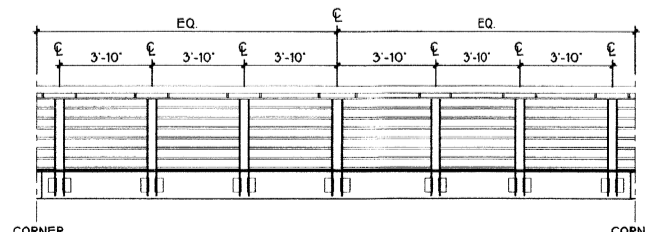
27 DECK 3 PLAN  
1/4" = 1'-0"



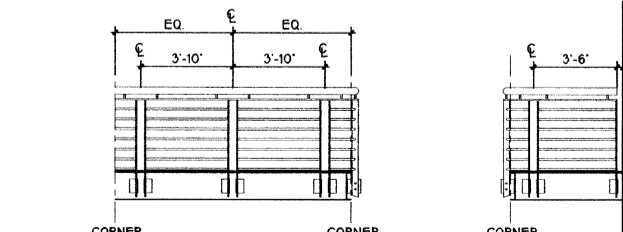
23 GUARDRAIL ELEV. - DECK 2  
1/4" = 1'-0"



24 GUARDRAIL ELEV. - DECK 3  
1/4" = 1'-0"



29 GUARDRAIL ELEV. - DECK 3  
1/4" = 1'-0"



30 GUARDRAIL ELEV. - DECK 3  
1/4" = 1'-0"



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

SCALE 1/4" = 1'-0"

DATE: 5/18/99  
REVISION: CONSTRU. SET

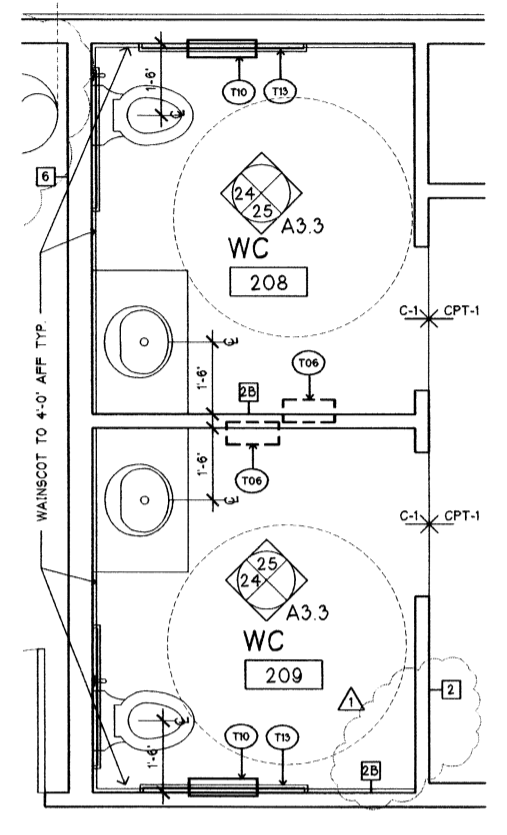
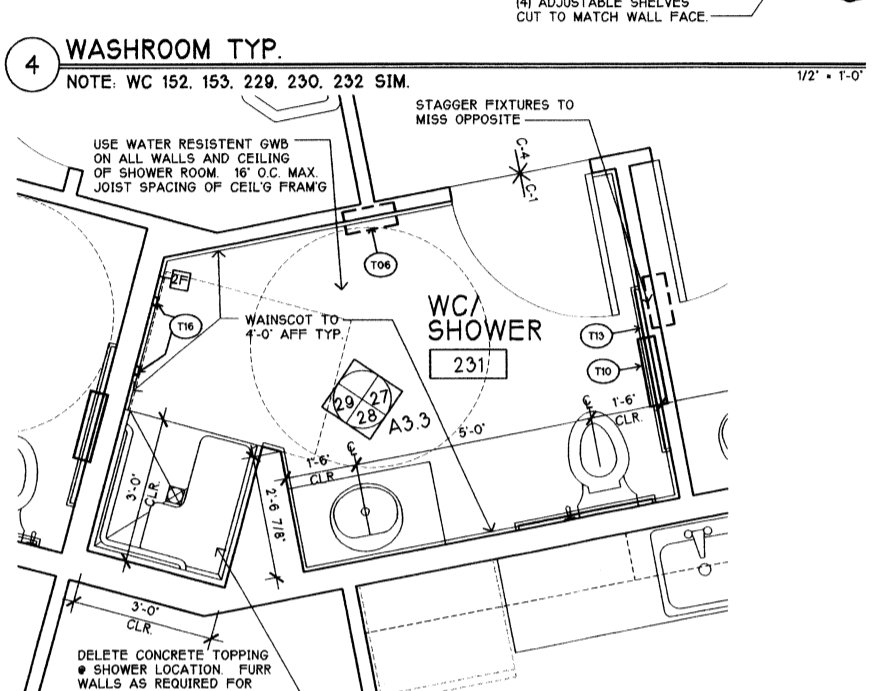
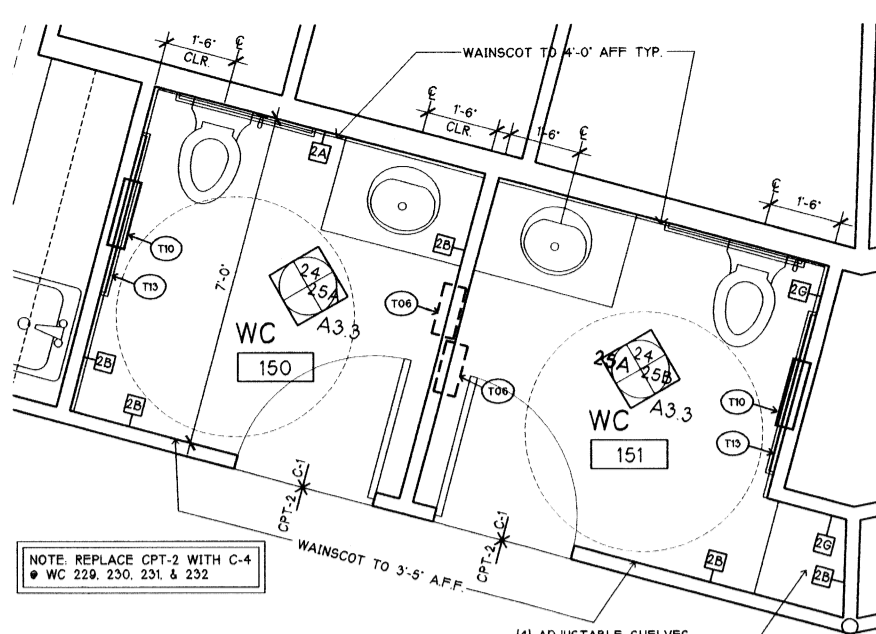
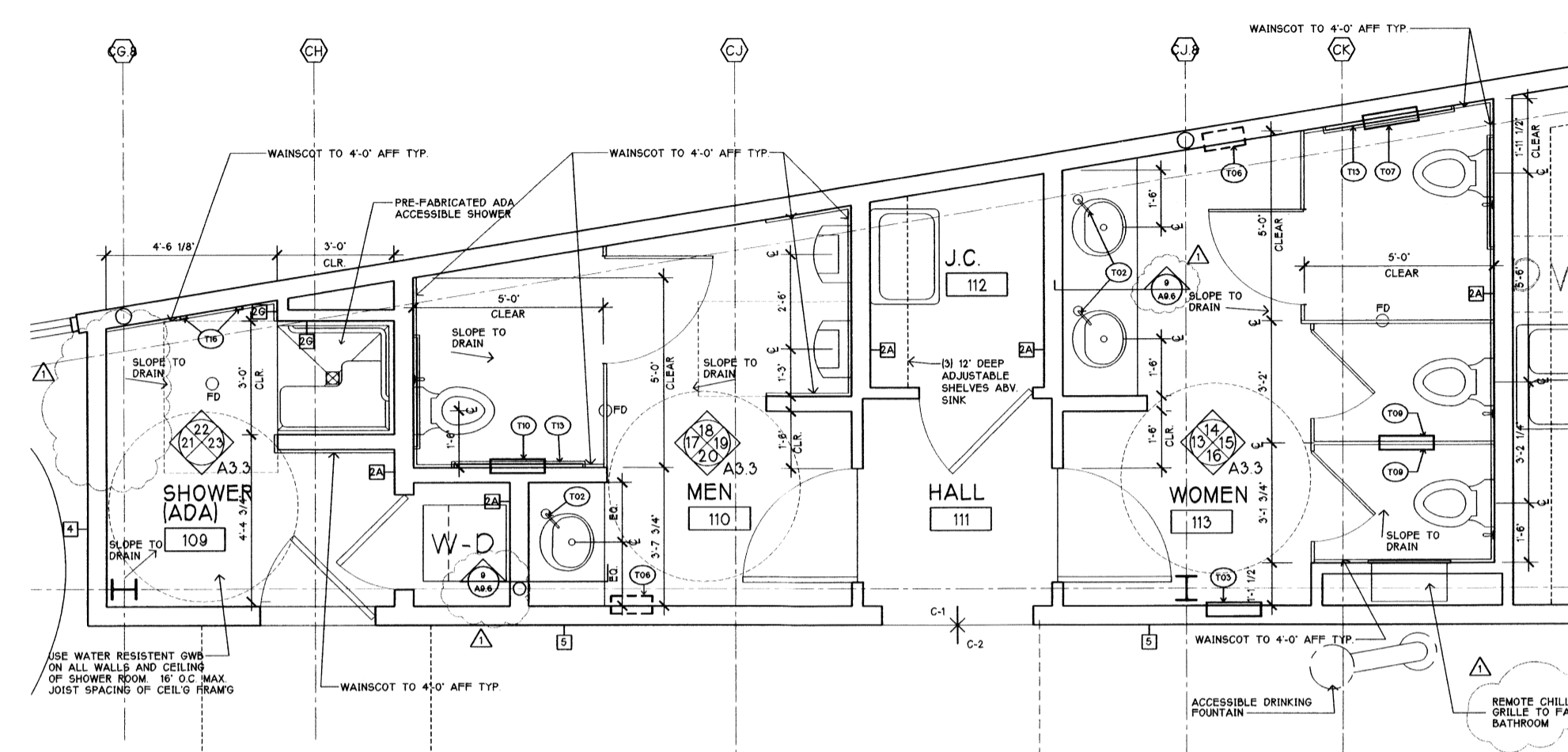
BY: BG  
CHECKED BY: RF  
PROJECT MANAGER: DAS/DWG  
PROJECT ARCHITECT: CHH / KT  
DATE: FB  
DEPT: DEPT

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

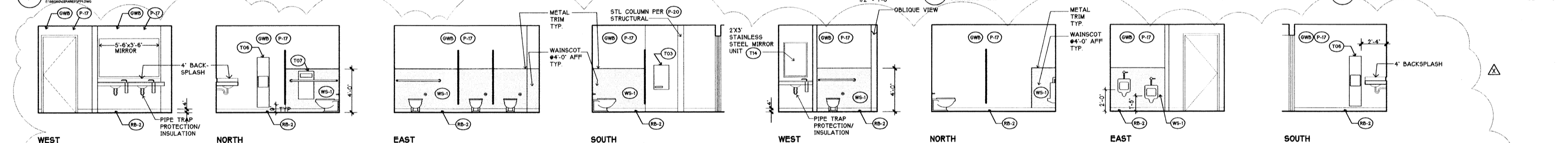
BY: CATWALK ELEVATIONS,  
CANOPY RCP, DECK  
PLANS & ELEVATIONS

98060.05  
MAY 18, 1999  
E:\98060\CD\A3-2.DWG

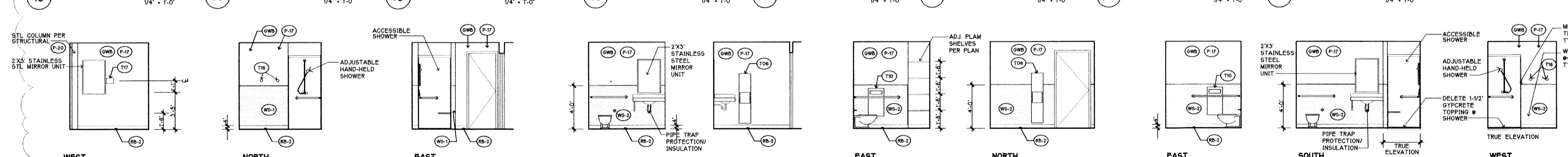
A3.2 CONSTRUCTION SET



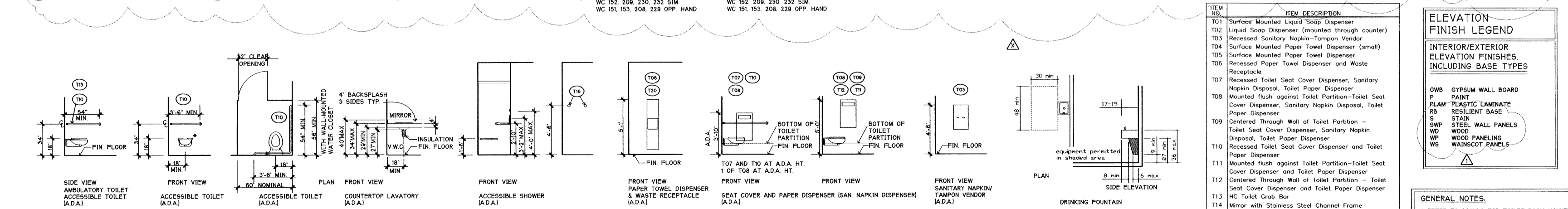
**7 FIRST FLOOR BATHROOM-IN COMMONS**



**13 WOMEN 113** **14 WOMEN 113** **15 WOMEN 113** **16 WOMEN 113** **17 MEN 110** **18 MEN 110** **19 MEN 110** **20 MEN 110**



**21 SHOWER 109** **22 SHOWER 109** **23 SHOWER 109** **24 WC 150** **25A WC 150** **25B WC 151** **26 WC/SHOWER 231** **27 WC/SHOWER 231** **28 WC/SHOWER 231** **29 WC/SHOWER 231**



**30 TOILET & SHOWER ROOM FIXTURE MOUNTING STANDARDS FOR ACCESSIBILITY**  
MOUNTING STANDARDS SHALL COMPLY W/ 1997 IBC, WASHINGTON STATE AMENDMENTS (WAC CHAP. 51-40) AND THE AMERICANS WITH DISABILITIES ACT (ADA). WAC TO GOVERN IN THE EVENT OF A DISCREPANCY.

ITEM NO.	ITEM DESCRIPTION
T01	Surface Mounted Liquid Soap Dispenser
T02	Liquid Soap Dispenser (mounted through counter)
T03	Recessed Sanitary Napkin-Tampon Vendor
T04	Surface Mounted Paper Towel Dispenser (small)
T05	Surface Mounted Paper Towel Dispenser
T06	Recessed Paper Towel Dispenser and Waste Receptacle
T07	Recessed Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Paper Dispenser
T08	Mounted Flush against Toilet Partition-Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Paper Dispenser
T09	Centered Through Wall of Toilet Partition - Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Paper Dispenser
T10	Recessed Toilet Seat Cover Dispenser and Toilet Paper Dispenser
T11	Mounted Flush against Toilet Partition-Toilet Seat Cover Dispenser and Toilet Paper Dispenser
T12	Centered Through Wall of Toilet Partition - Toilet Seat Cover Dispenser and Toilet Paper Dispenser
T13	HC Toilet Grab Bar
T14	Mirror with Stainless Steel Channel Frame
T15	Mop and Broom Holder
T16	Towel Hooks @ Shower
T17	Electric hair blow dryer @ 4'6" A.F.F.
T20	Semi-Recessed Paper Towel Dispenser and Waste Receptacle
T21	Surface Mounted Toilet Seat Cover Dispenser and Toilet Paper Dispenser

ELEVATION FINISH LEGEND	
GWB	GYPSUM WALL BOARD
P	PAINT
PLAM	PLASTIC LAMINATE
RB	RESILIENT BASE
S	STAIN
SWP	STEEL WALL PANELS
WD	WOOD
WP	WOOD PANELING
WS	WAINSCOT PANELS

**GENERAL NOTES:**  
1. REFER TO 30(A)3 FOR TOILET ROOM MOUNTING STANDARDS FOR ACCESSIBILITY.  
2. TYPICAL WASHROOM FLOOR FINISH POLISHED & SEALED CONCRETE.  
3. TYPICAL WC & SHOWER BASES, RESILIENT BASE



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

DATE 5/18/99  
CONSTRU. SET

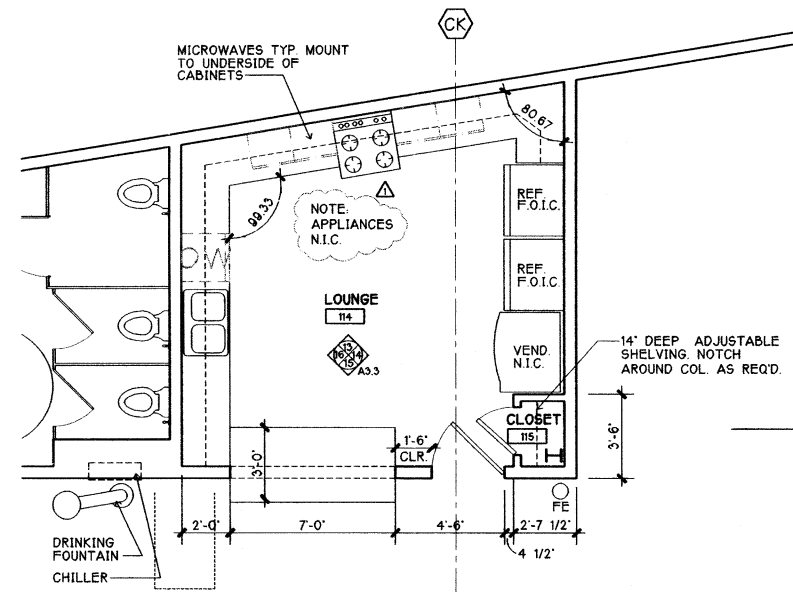
BG  
RF  
DAS/DWG  
DAS/KT  
FB

2029 REGISTERED ARCHITECT  
THOMAS D. EMMERT  
STATE OF WASHINGTON

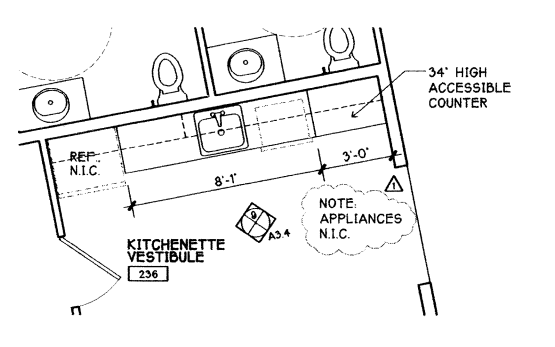
**WASHROOMS & SHOWERS - ENLARGED PLANS & ELEVATIONS**

08060.05  
MAY 18, 1999  
E:\198060\CD\A3-3

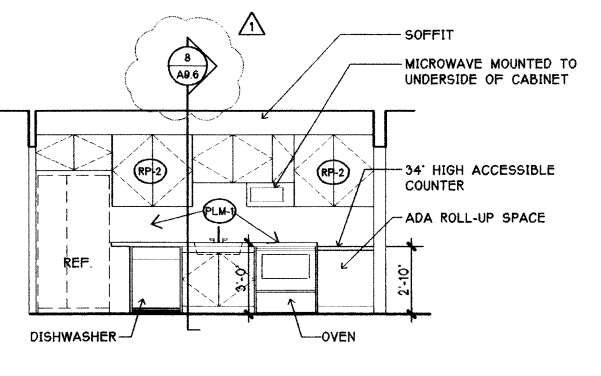
**A3.3 CONSTRUCTION SET**



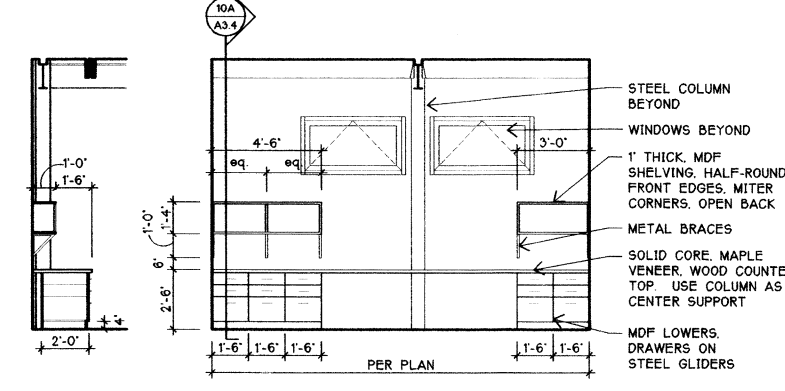
7 FIRST FLOOR LOUNGE PLAN  
1/4" = 1'-0"



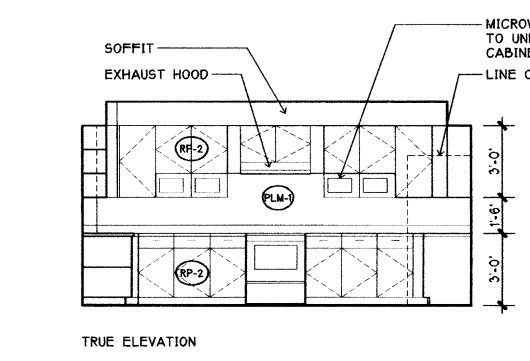
8 SECOND FLOOR KITCHENETTE  
1/4" = 1'-0"



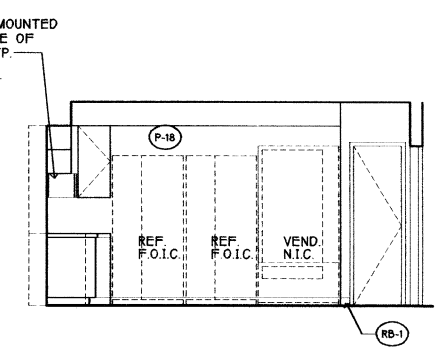
9 KITCHENETTE/VESTIBULE 236  
1/4" = 1'-0"



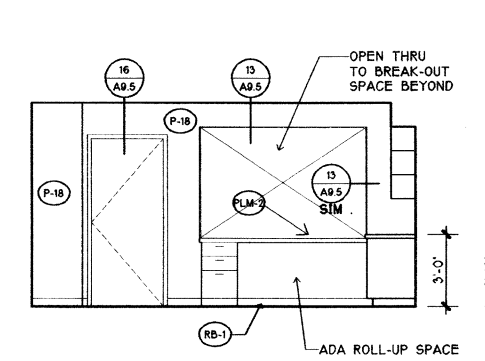
10 MAIL/ SHIPPING 136  
1/4" = 1'-0"



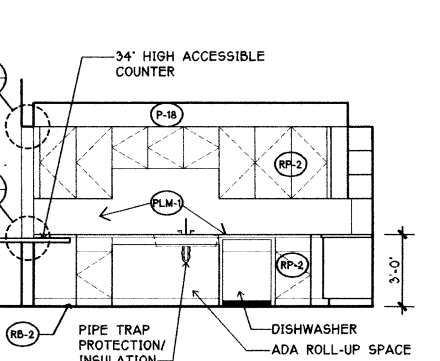
13 NORTH LOUNGE 114  
1/4" = 1'-0"



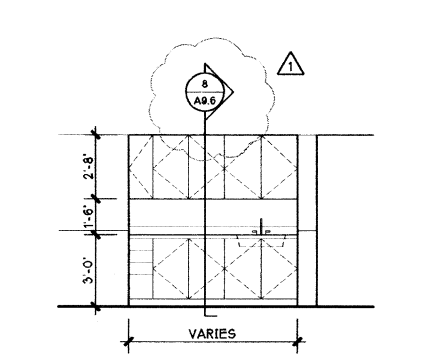
14 EAST LOUNGE 114  
1/4" = 1'-0"



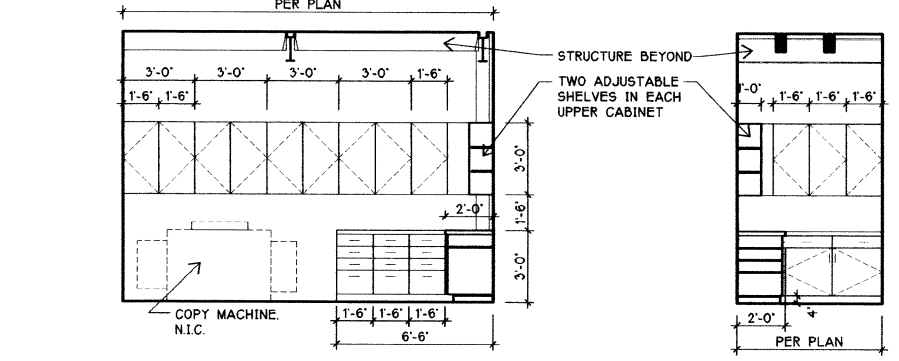
15 SOUTH LOUNGE 114  
1/4" = 1'-0"



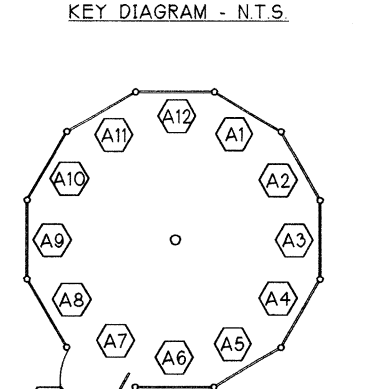
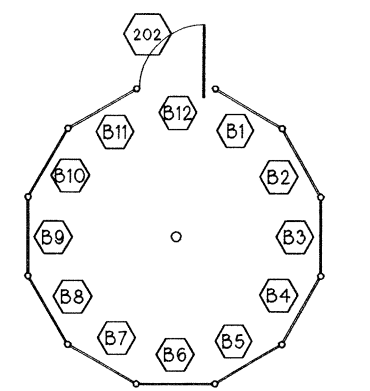
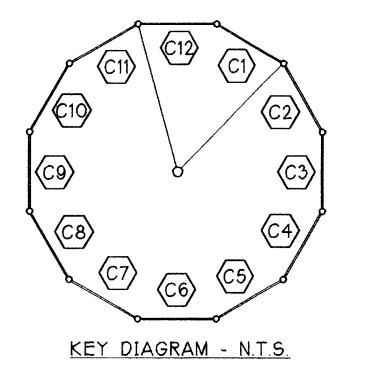
16 WEST LOUNGE 114  
1/4" = 1'-0"



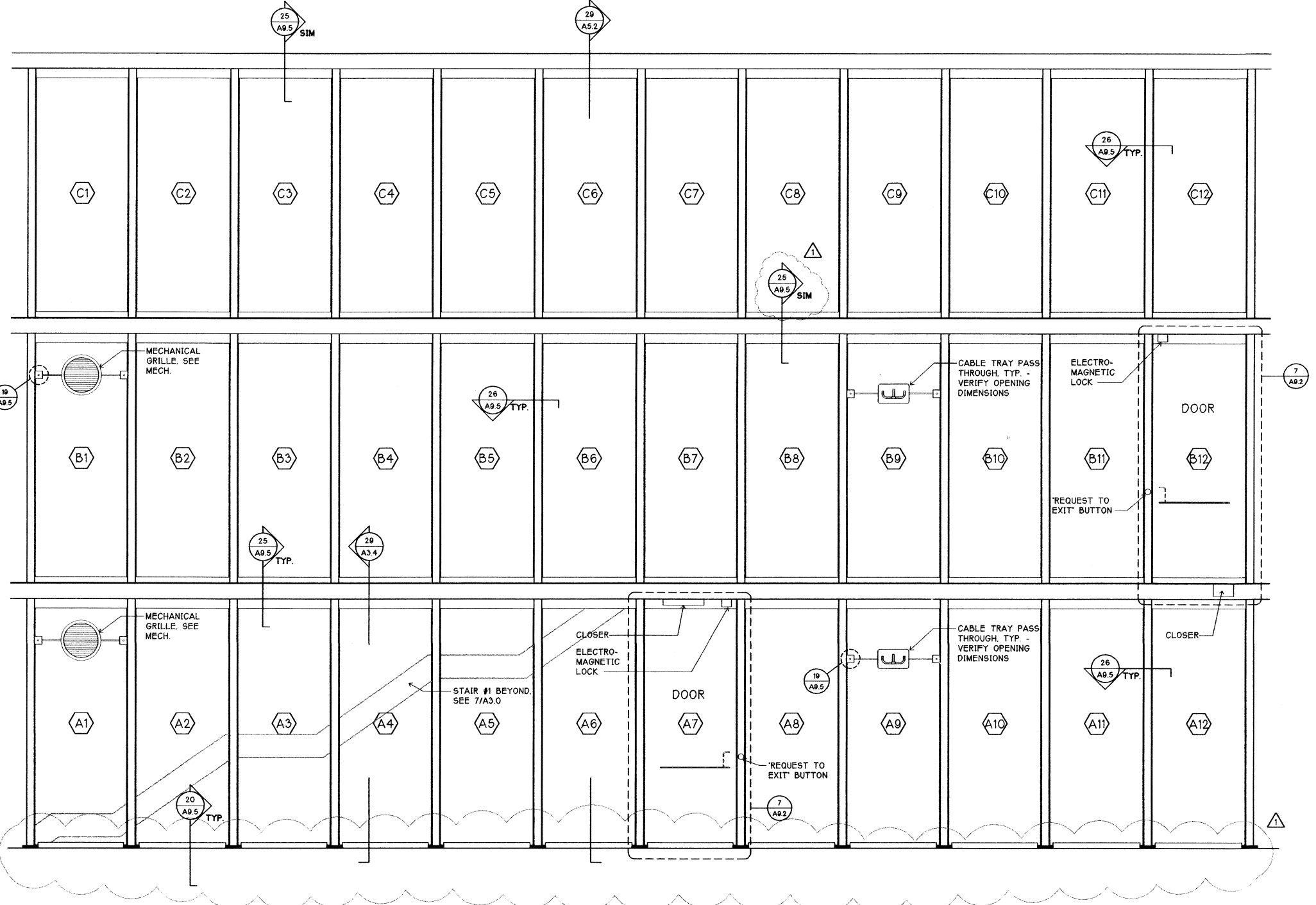
17 COFFEE STN ELEVATION  
1/4" = 1'-0"



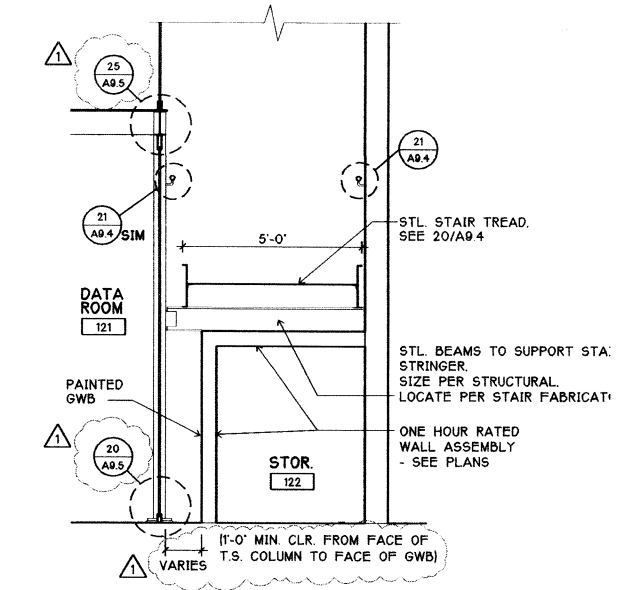
18 COPY ROOM 128  
1/4" = 1'-0"



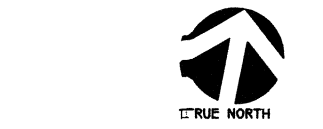
NOTE: ALL GLAZING PANELS & DOORS SHOWN ON 25A/3.4 TO BE 1/2" CLEAR SAFETY GLASS



25 INTERIOR ELEVATIONS / GLAZING PANELS • DATA ROOM 121, DATA ROOM 202, STRG. MEZZ. 255  
3/8" = 1'-0"



29 SECTION • STAIR #1/STOR. 122  
3/8" = 1'-0"



SCALE 1/4" = 1'-0"

5/18/99 CON STRU. SET

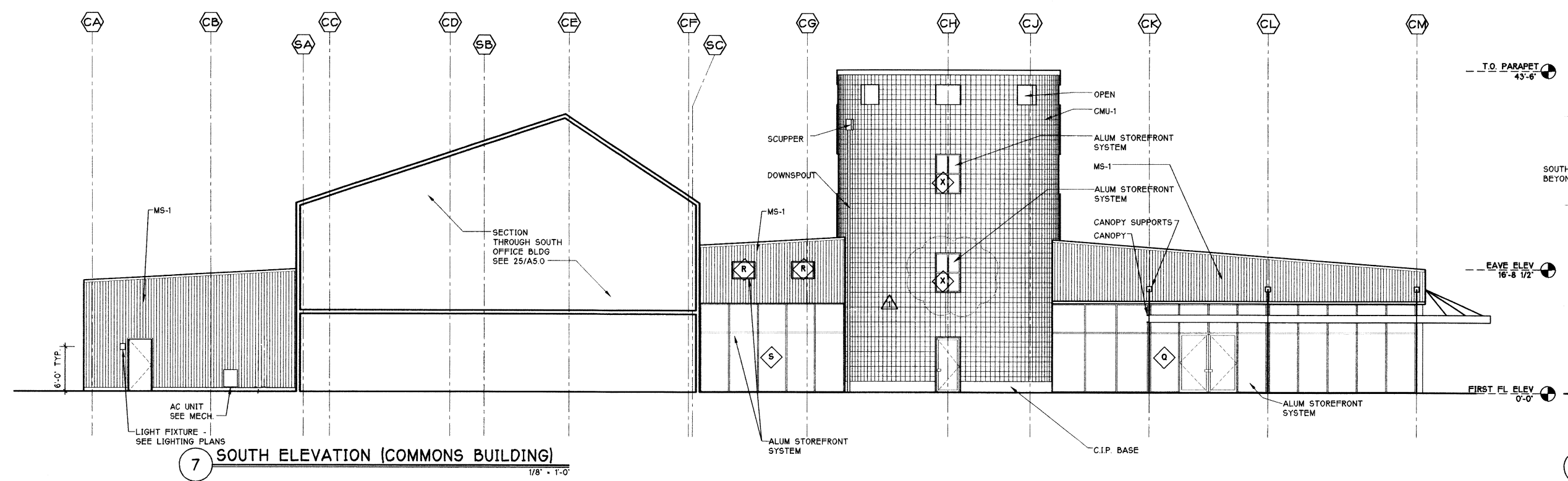
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
DAS/KT/DWG  
DATE  
FB  
DEP

2029 REGISTERED ARCHITECT  
THOMAS D. EMRICH  
STATE OF WASHINGTON

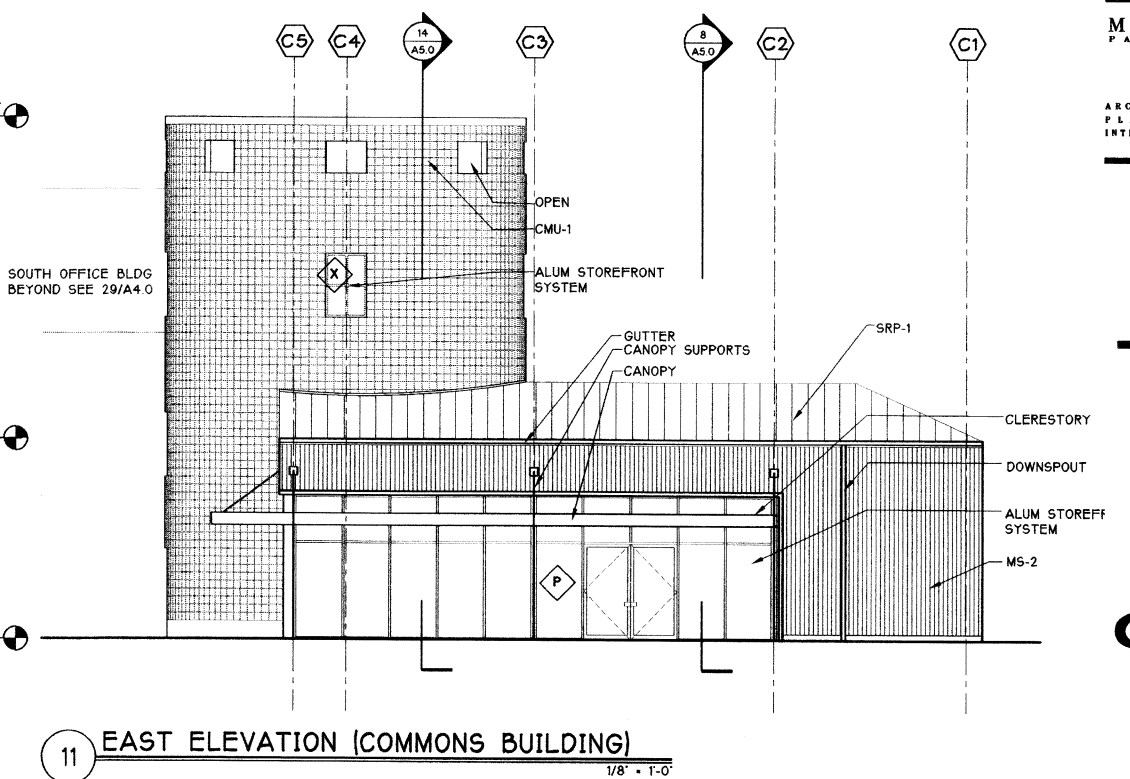
ENLARGED PLANS/  
ELEVATIONS

98060.05  
MAY 18, 1999  
E:1980601CDIA3-4.DWG  
COPYED BY ME

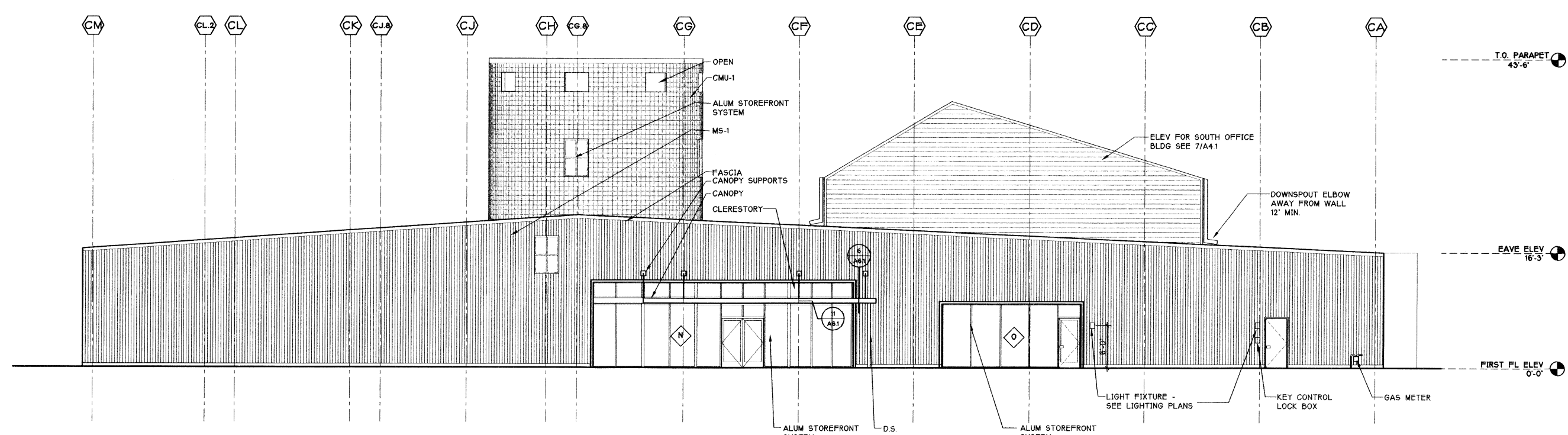
A3.4 CONSTRUCTION SET



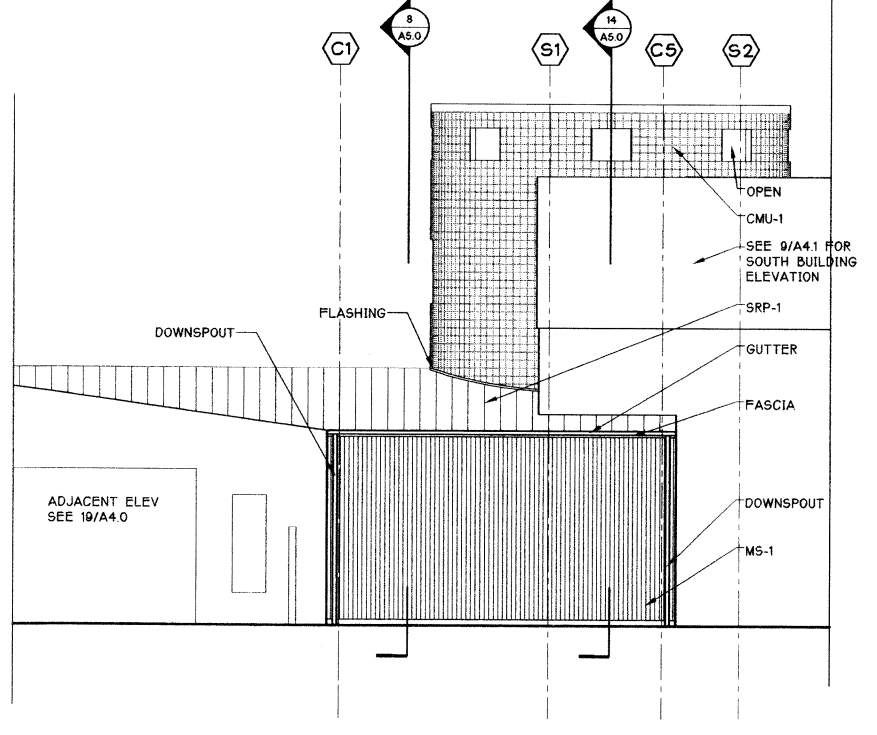
7 SOUTH ELEVATION (COMMONS BUILDING)  
1/8" = 1'-0"



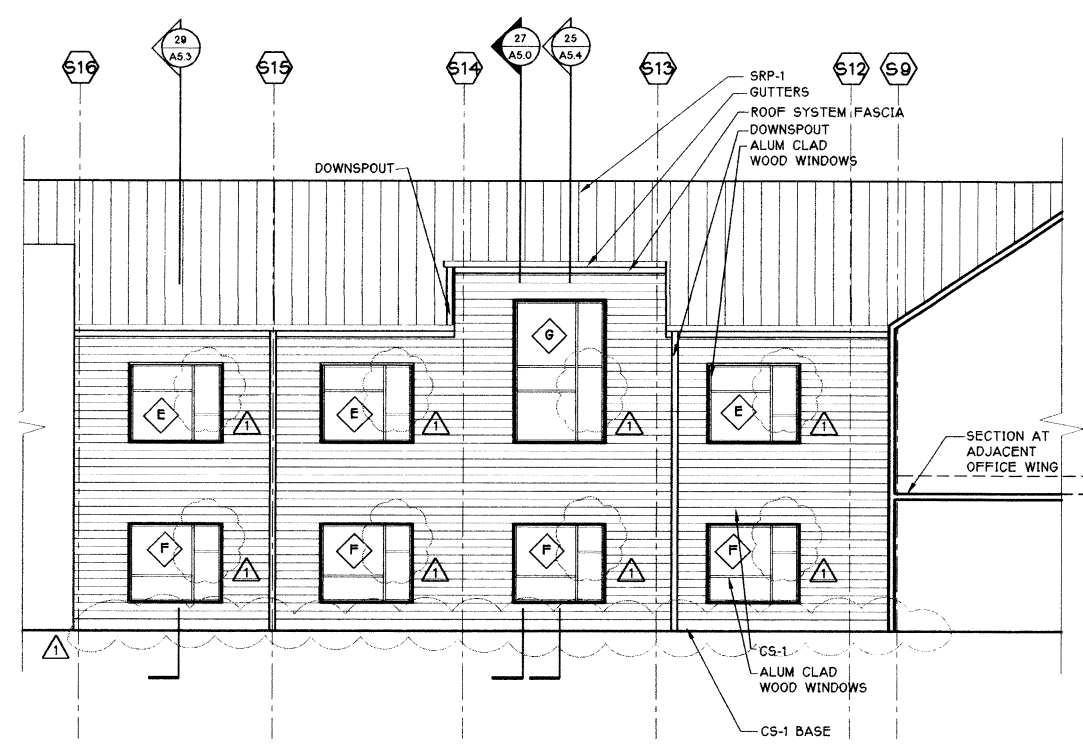
11 EAST ELEVATION (COMMONS BUILDING)  
1/8" = 1'-0"



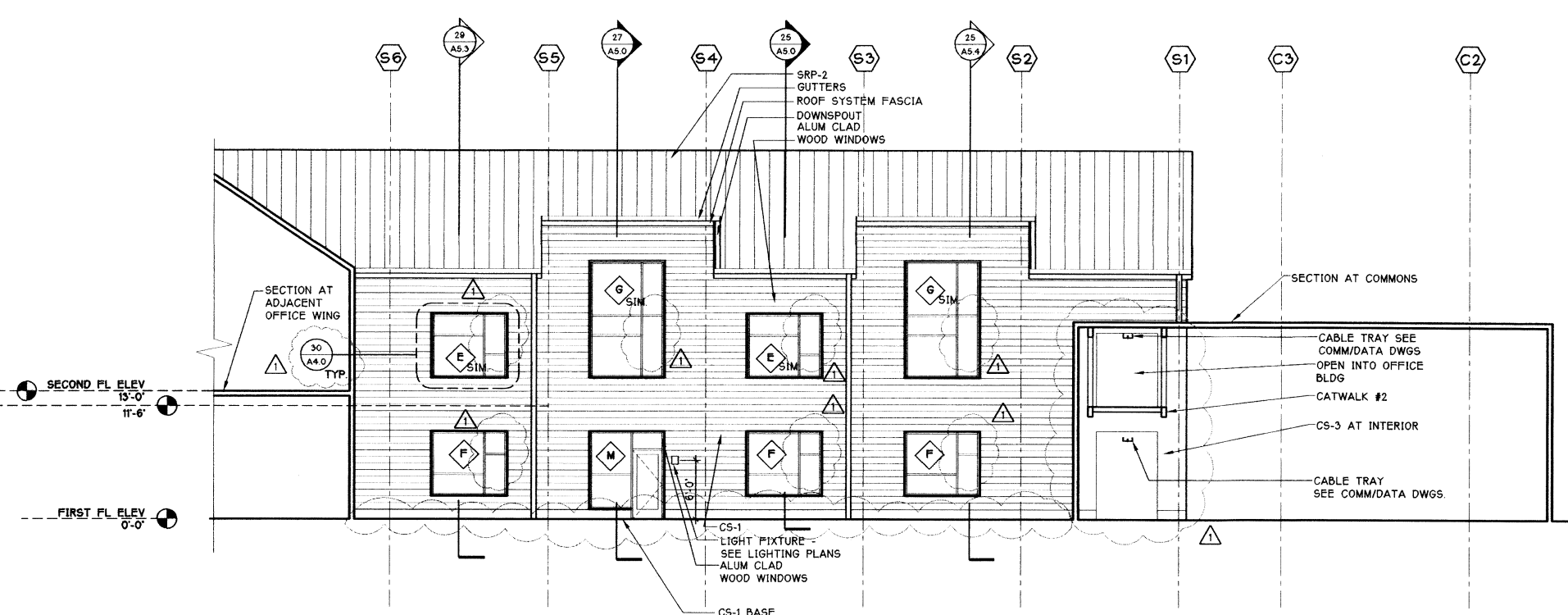
19 NORTH ELEVATION (COMMONS BUILDING)  
1/8" = 1'-0"



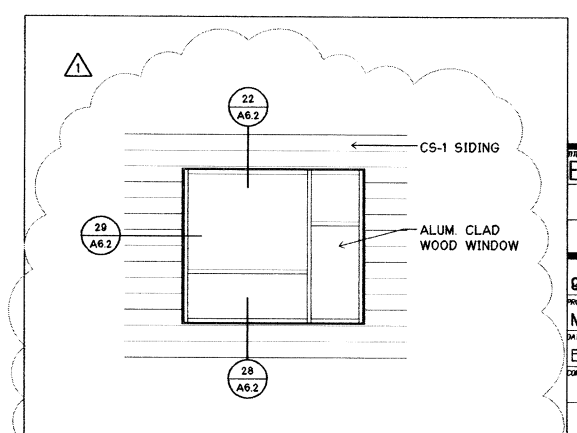
23 WEST ELEVATION (COMMONS BUILDING)  
1/8" = 1'-0"



25 NORTHEAST ELEVATION (SOUTH BUILDING)  
1/8" = 1'-0"



29 EAST ELEVATION (SOUTH BUILDING)  
1/8" = 1'-0"



30 ALUM. CLAD EXT. WINDOW TRIM  
1/4" = 1'-0"

LEGEND  
CS - CEMENT BOARD SIDING  
SRP - STEEL ROOF PANEL  
MS - METAL SIDING

NOTE  
GUARDRAIL BALLUSTERS DELETED FOR CLARITY OF DRAWING

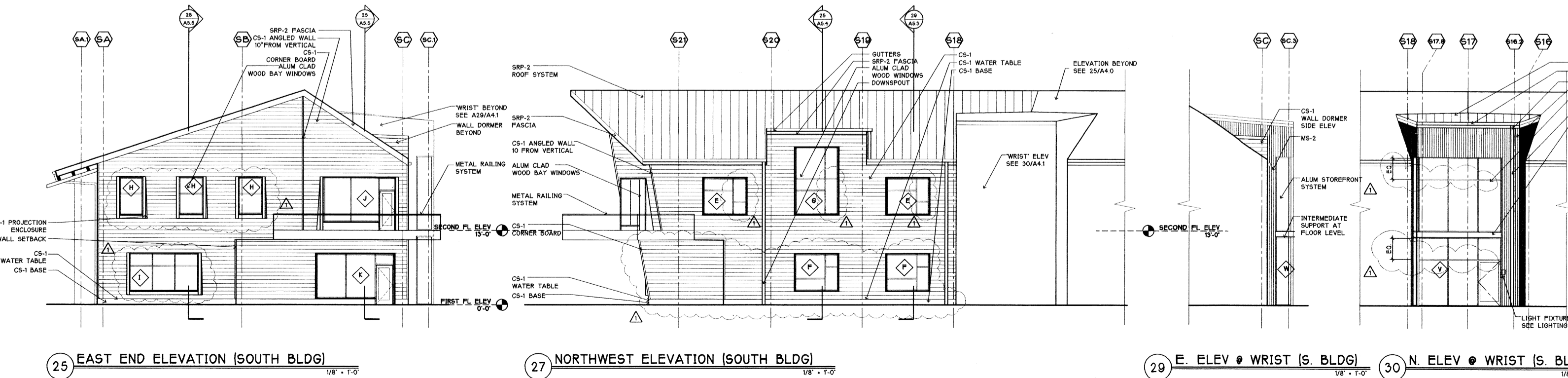
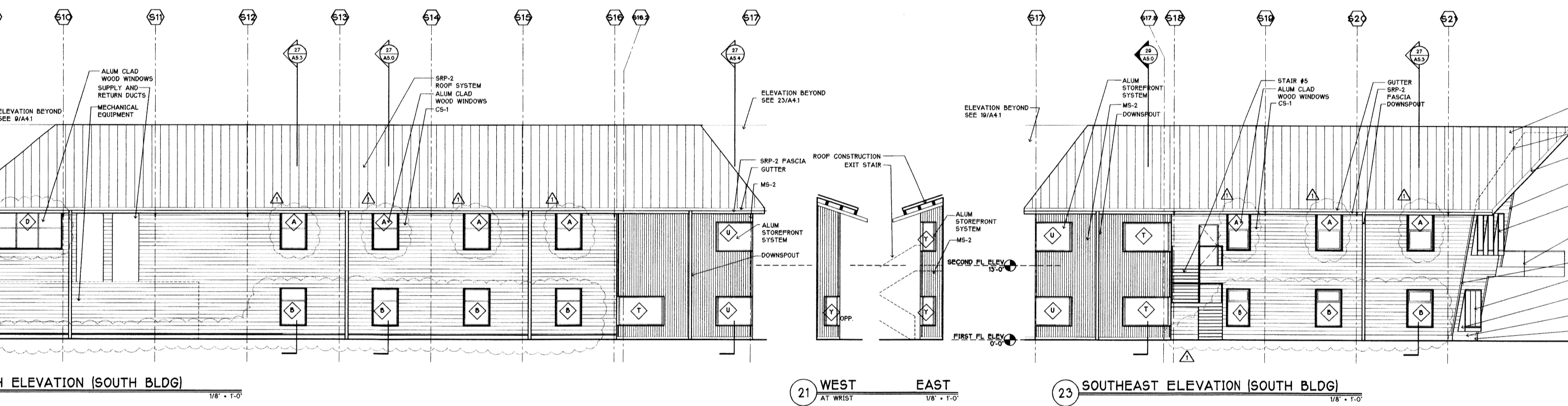
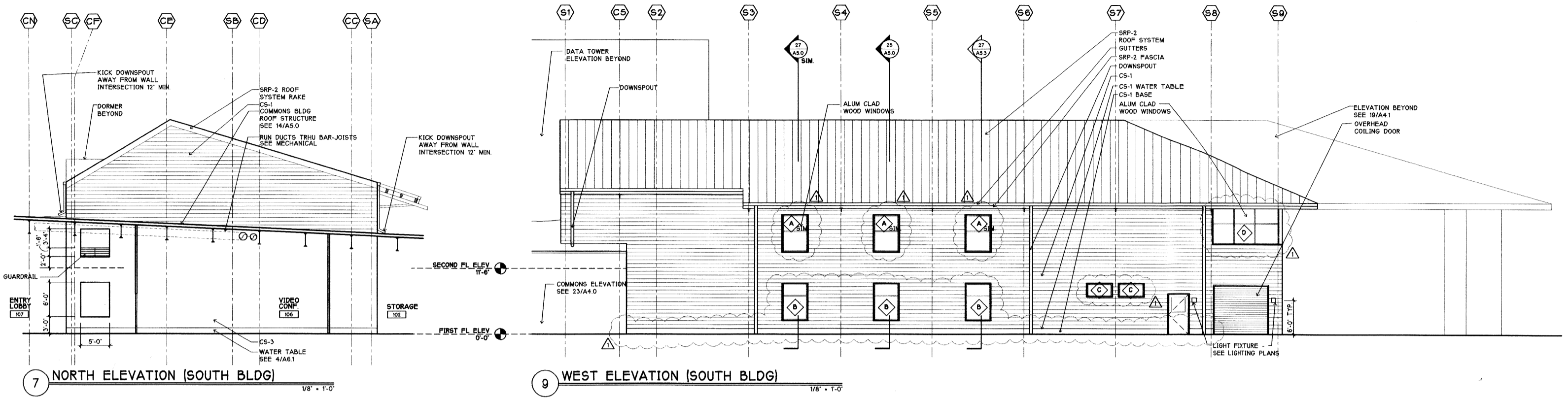
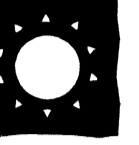
SCALE 1/8" = 1'-0"  
5/18/99 CONSTRU SET

BG  
RF  
PROJECT NUMBER  
DAS/DWG  
PROJECT PROJECT  
DWG/SKC  
FB  
DCK

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

EXTERIOR ELEVATIONS  
08060.05  
PROJECT NO.  
MAY 18, 1999  
E:\98060\DDA4-0  
CONSTRUCTION SET  
A4.0  
1/4" = 1'-0"

**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
DATE 5/18/99  
CONSTRU SET

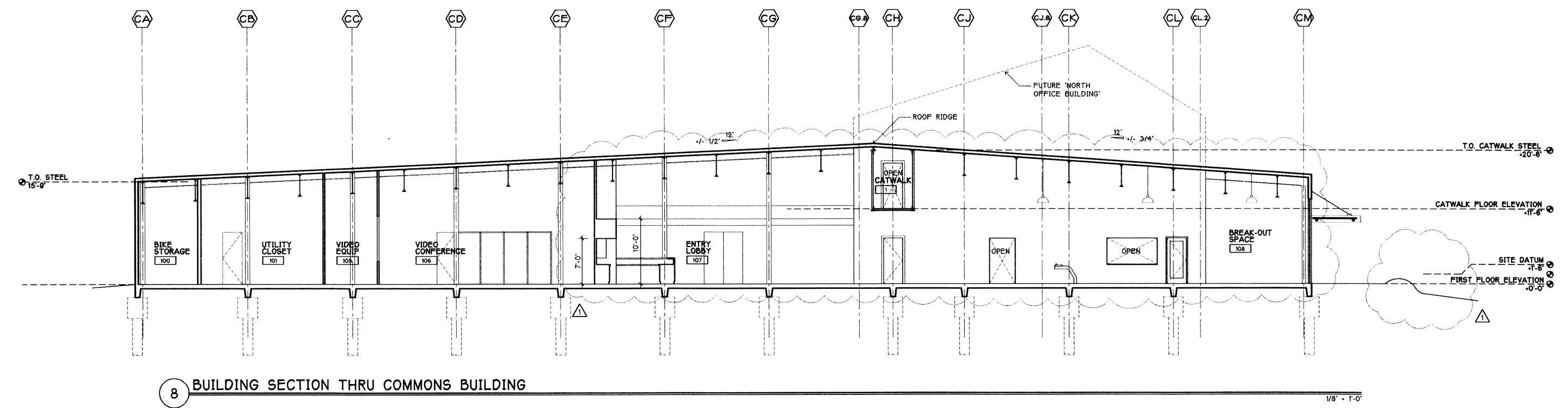
BG  
RF  
DAS/DWG  
DWG/SKC  
FB

2029 REGISTERED ARCHITECT  
THOMAS D. EMERSON  
STATE OF WASHINGTON

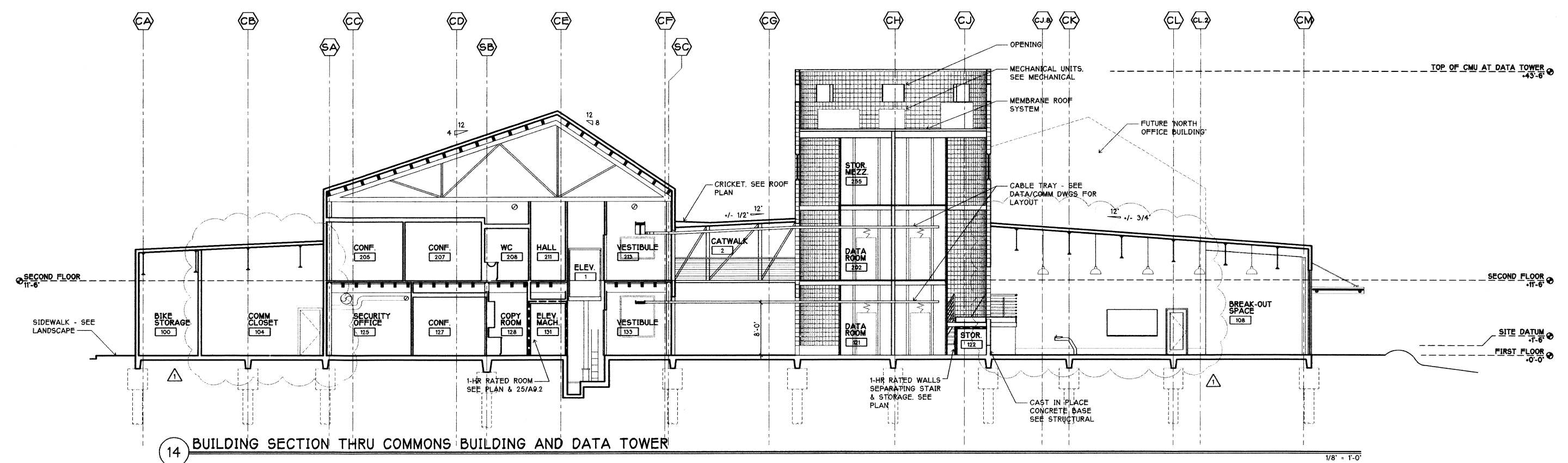
EXTERIOR ELEVATIONS

08060.05  
MAY 18, 1999  
E:\08060\CD\A4-1

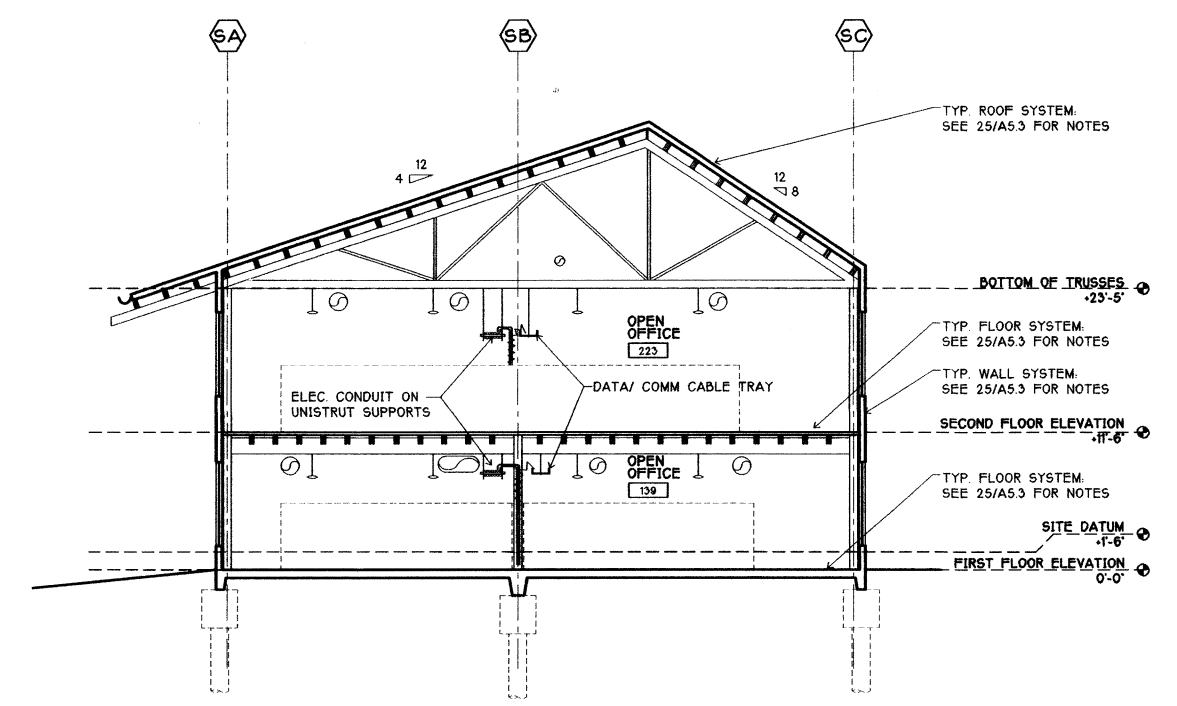
M.1 CONSTRUCTION SET



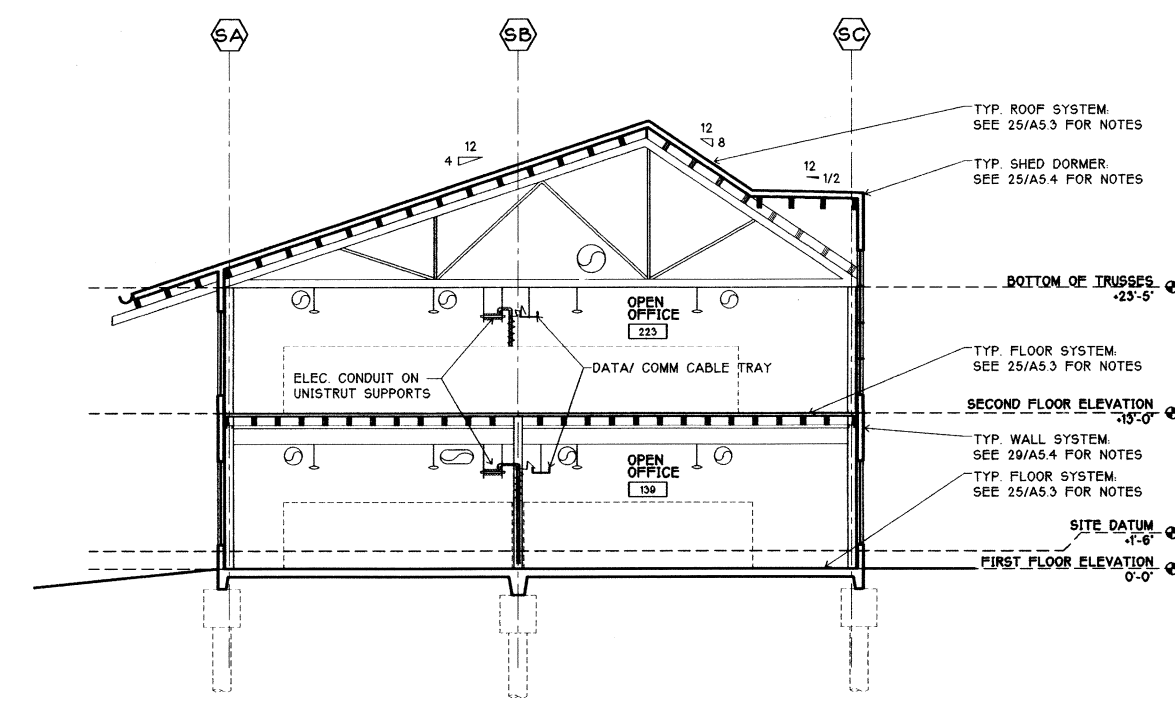
8 BUILDING SECTION THRU COMMONS BUILDING  
1/8" = 1'-0"



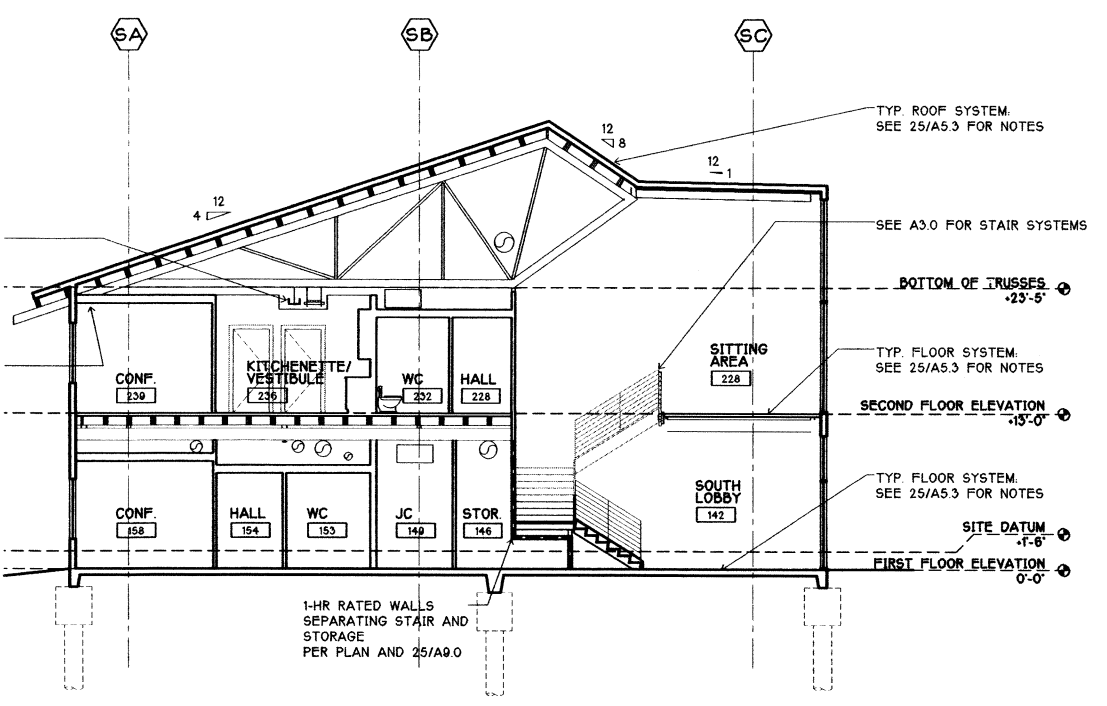
14 BUILDING SECTION THRU COMMONS BUILDING AND DATA TOWER  
1/8" = 1'-0"



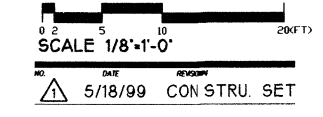
25 BUILDING SECTION THRU TYPICAL OFFICE (11'-6" FTF)  
1/8" = 1'-0"



27 BUILDING SECTION THRU TYPICAL OFFICE AT DORMER (13'-0" FTF)  
1/8" = 1'-0"

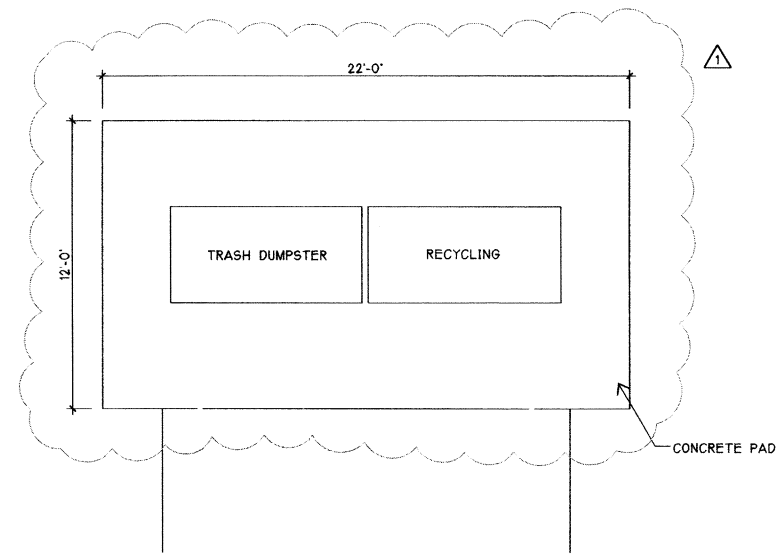


29 BUILDING SECTION THRU 'WRIST'  
1/8" = 1'-0"

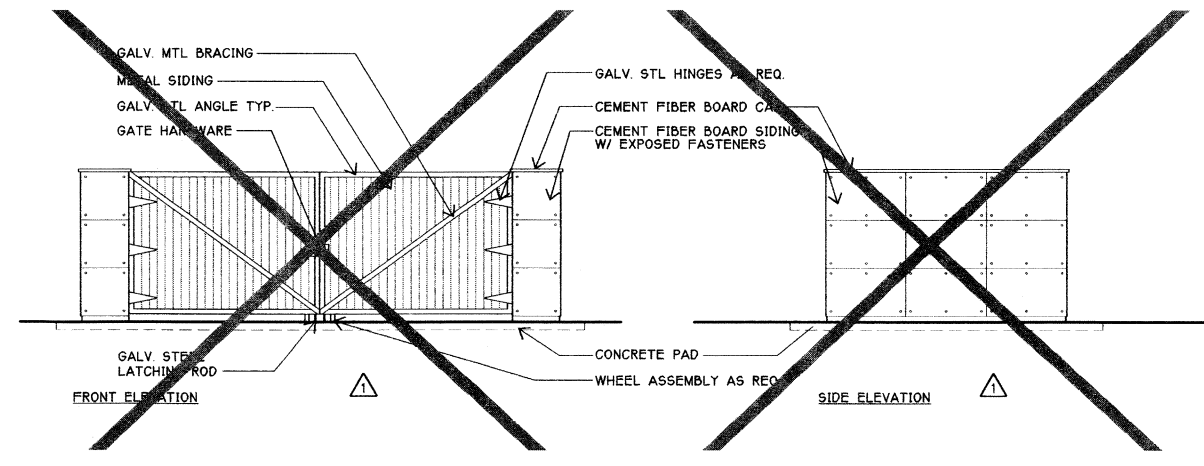


BG  
PROJECT IN CHARGE  
RF  
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
DAS/DWG  
DATE  
FB  
CHECKED  
2029 REGISTERED ARCHITECT  
THOMAS D. EMRICH  
STATE OF WASHINGTON

BUILDING SECTIONS  
98060.05  
PROJECT NO.  
MAY 18, 1999  
DATE  
E:\98060\CD\A5-0  
CONSTRUCTION SET

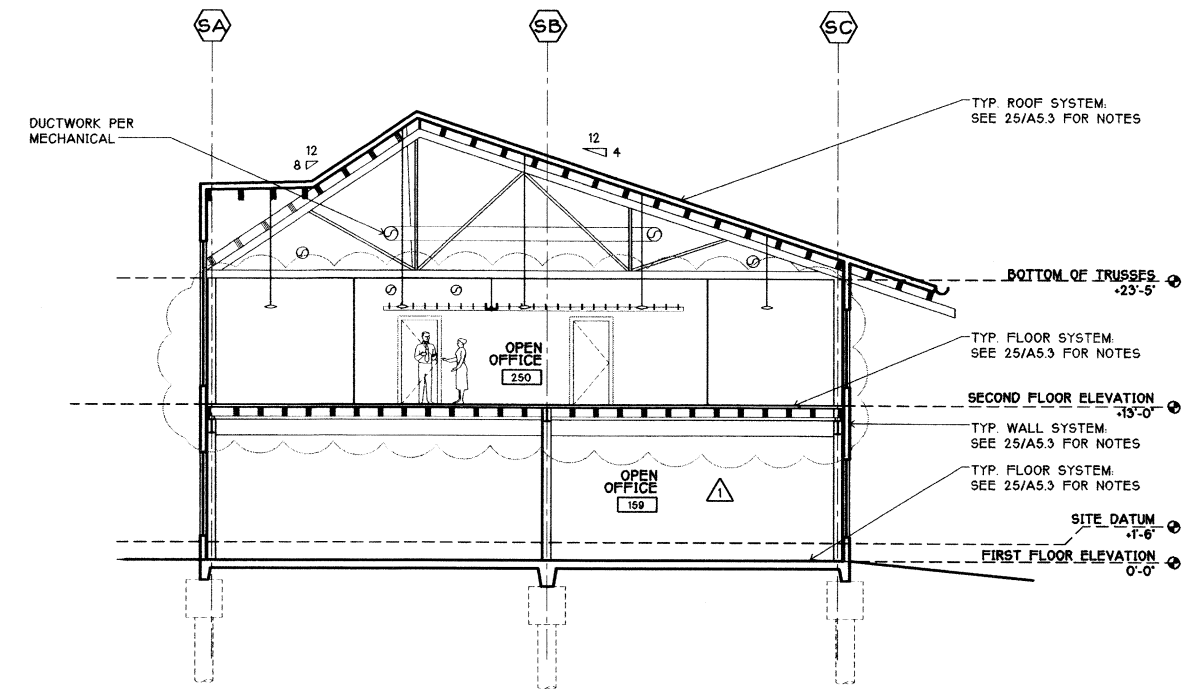


7 DUMPSTER PAD - PLAN  
1/4" = 1'-0"

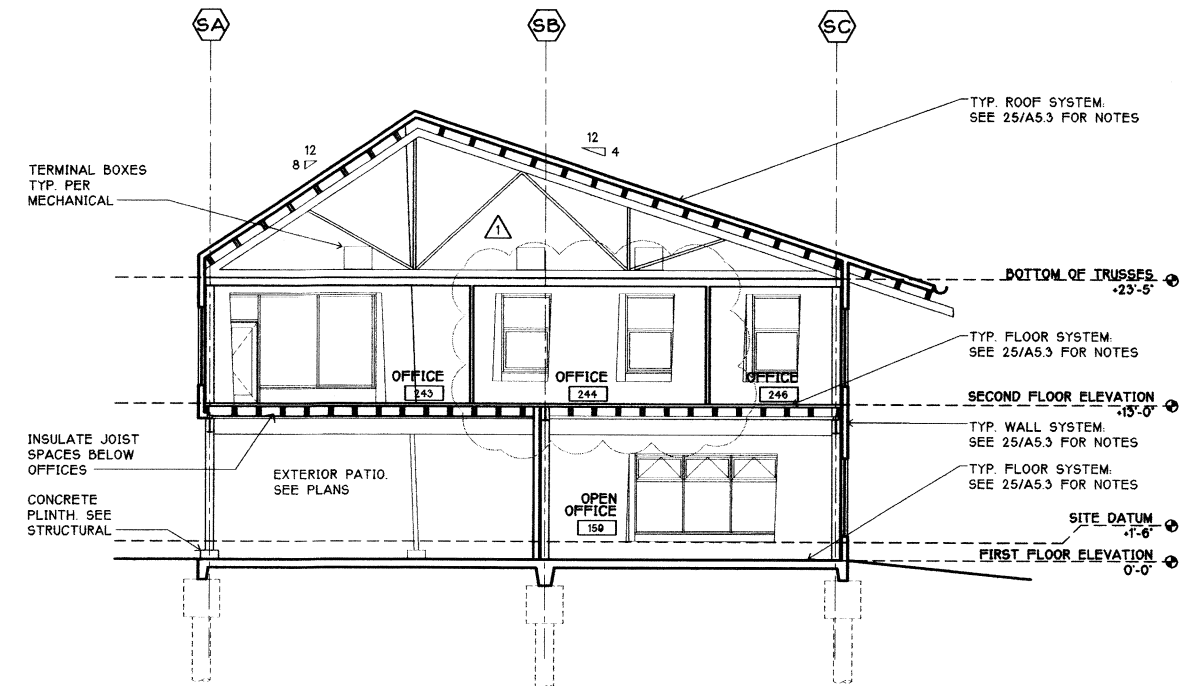


8 DUMPSTER ENCLOSURE ELEVATION  
1/4" = 1'-0"

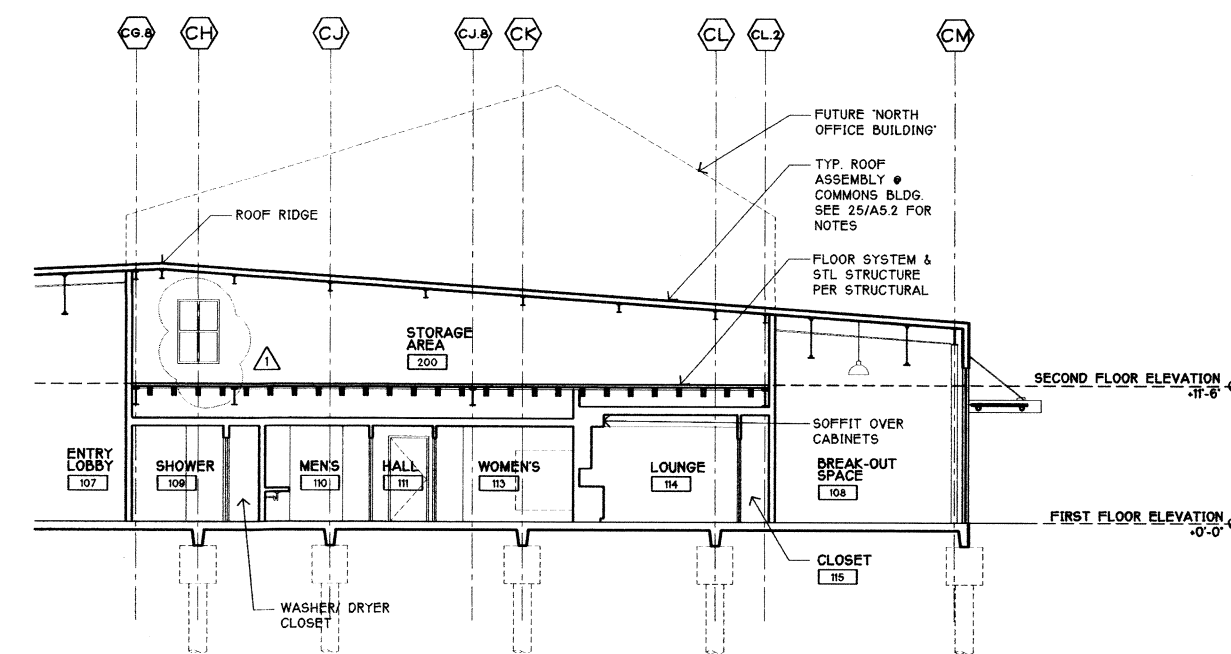
9 DUMPSTER ENCLOSURE ELEVATION  
1/4" = 1'-0"



11 BUILDING SECTION THRU EXECUTIVE WING  
1/8" = 1'-0"



23 BUILDING SECTION THRU EXECUTIVE WING  
1/8" = 1'-0"



28 SECTION THRU COMMONS CORE  
1/8" = 1'-0"

**SUN HEALTHCARE SYSTEMS, INC.**

**CAMPUS: PHASE ONE**

**ANACORTES, WASHINGTON**

SCALE 3/4"=1'-0"

DATE: 5/18/99  
REVISION: CONSTRU. SET

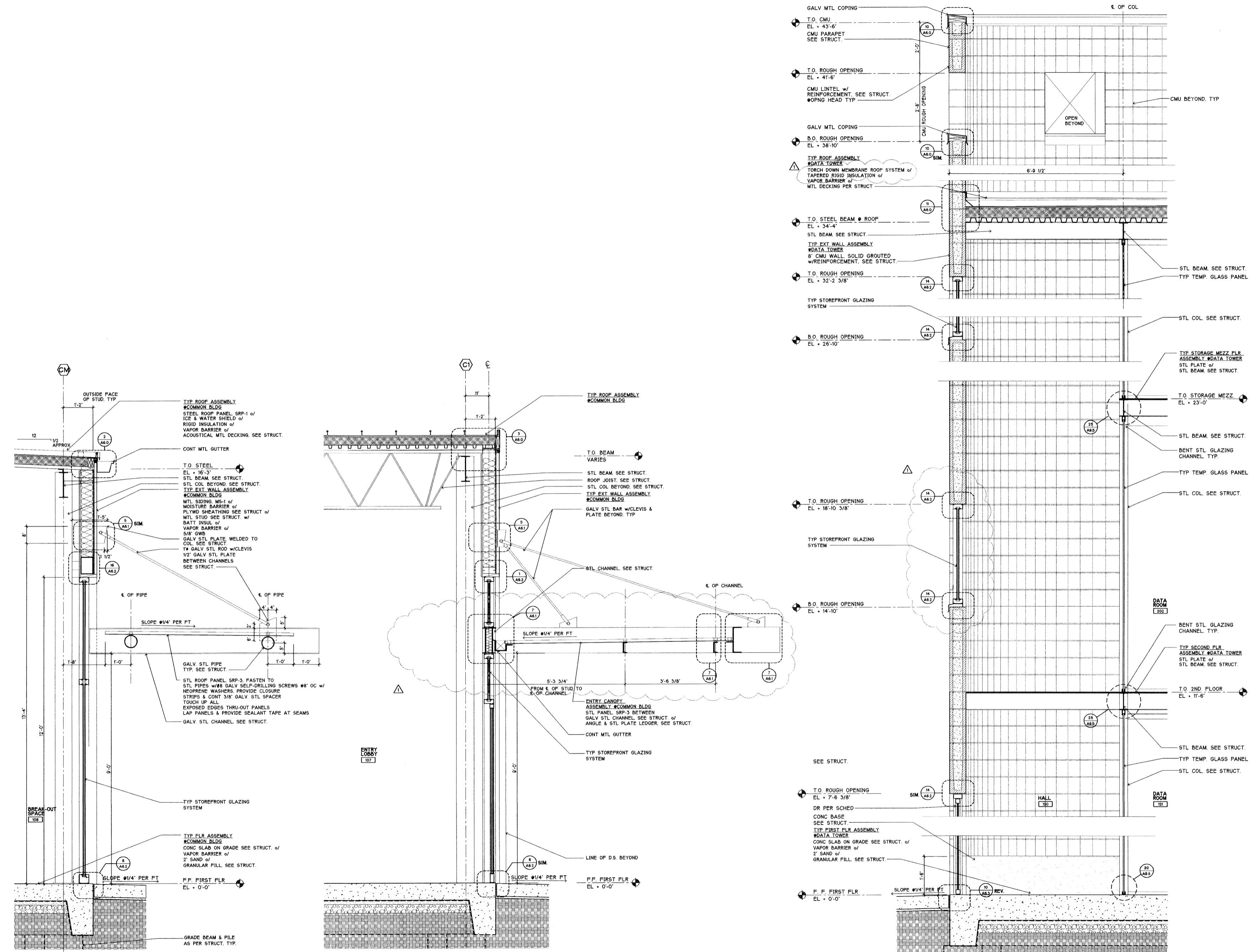
BY: BG  
CHECKED BY: RF  
PROJECT NUMBER: DAS/DWG  
PROJECT ARCHITECT: CH/DWG  
DESIGNER: FB  
DATE:

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

WALL SECTIONS  
COMMON BLDG &  
DATA TOWER

98060.05  
PROJECT NO.  
MAY 18, 1999  
DATE  
E:\98060\CD\A5-2  
DRAWING FILE NAME

A5.2 CONSTRUCTION SET





**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

SCALE 3/4"=1'-0"

5/18/99 CONSTRU SET

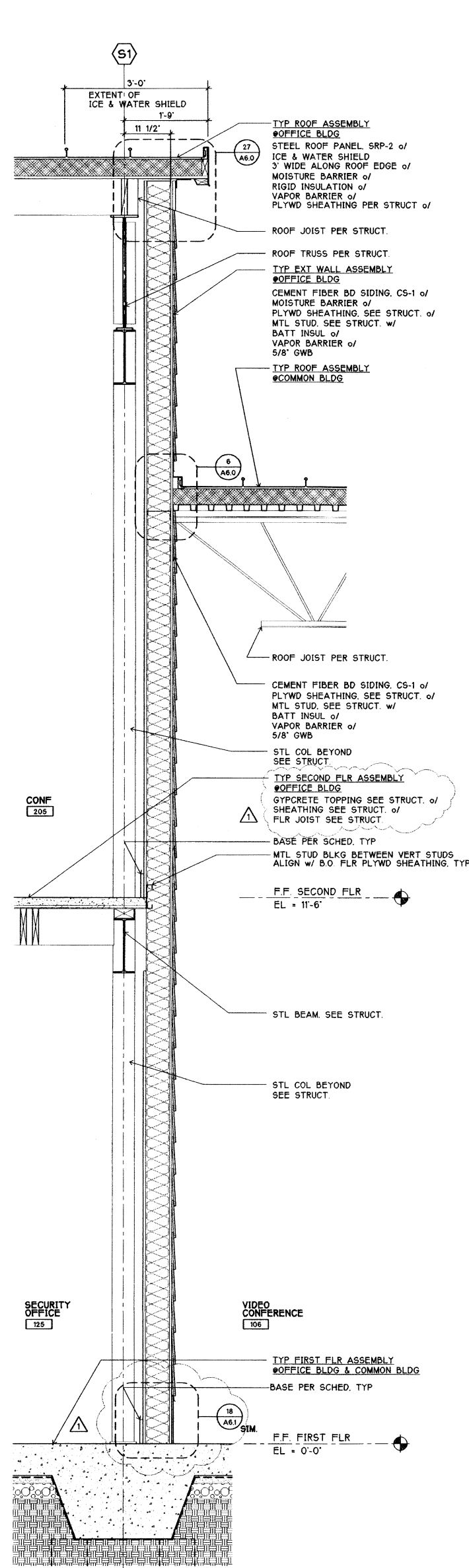
BG  
 PARTNER IN CHARGE  
 RF  
 PROJECT ARCHITECT  
 DAS/DWG  
 PROJECT ARCHITECT  
 CHH  
 DESIGNER  
 FB  
 CHECKER

2029 REGISTERED ARCHITECT  
 THOMAS D. ENRICH  
 STATE OF WASHINGTON

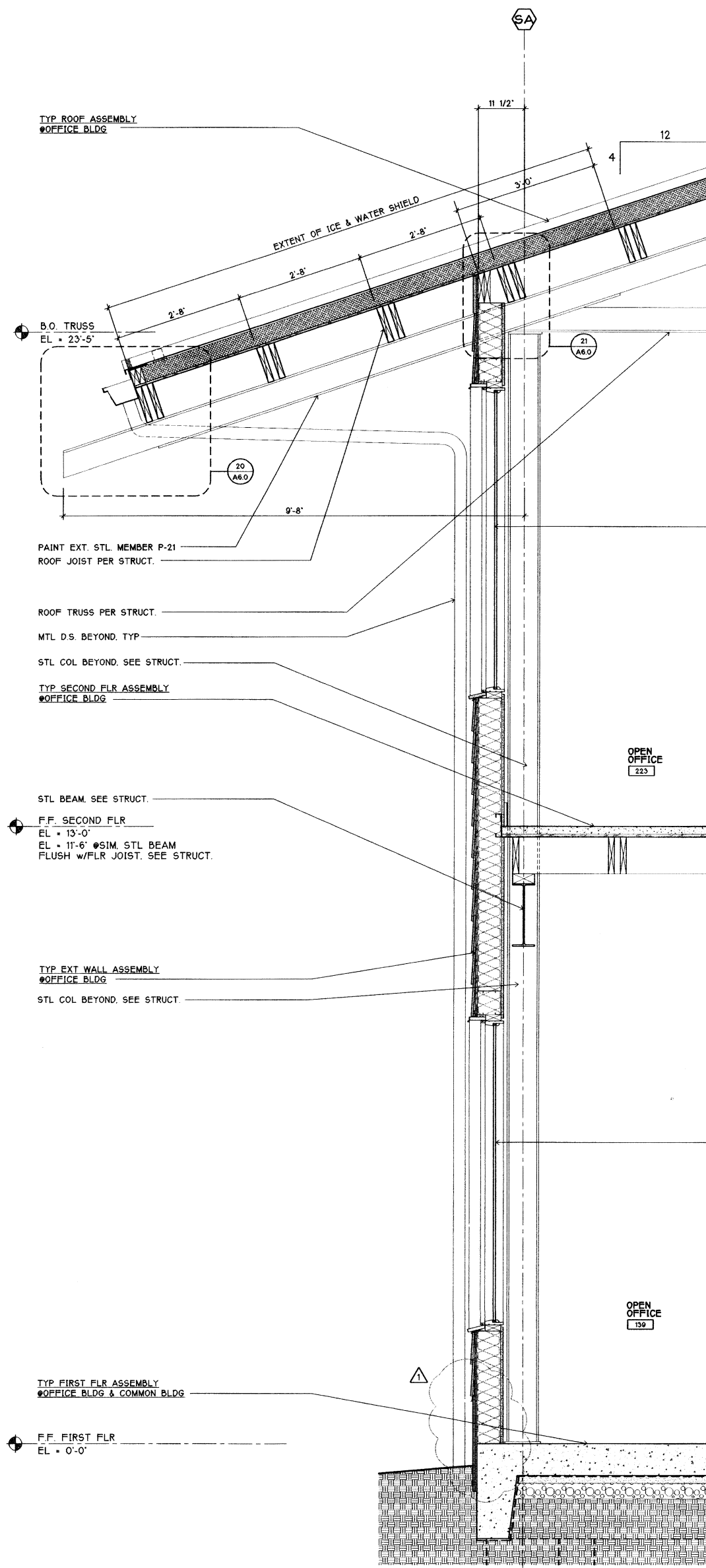
WALL SECTIONS  
 AT OFFICE BLDG

98060.05  
 PROJECT NO.  
 MAY 18, 1999  
 DATE  
 E:\98060\CD\A5-3  
 DRAWING FILE NAME

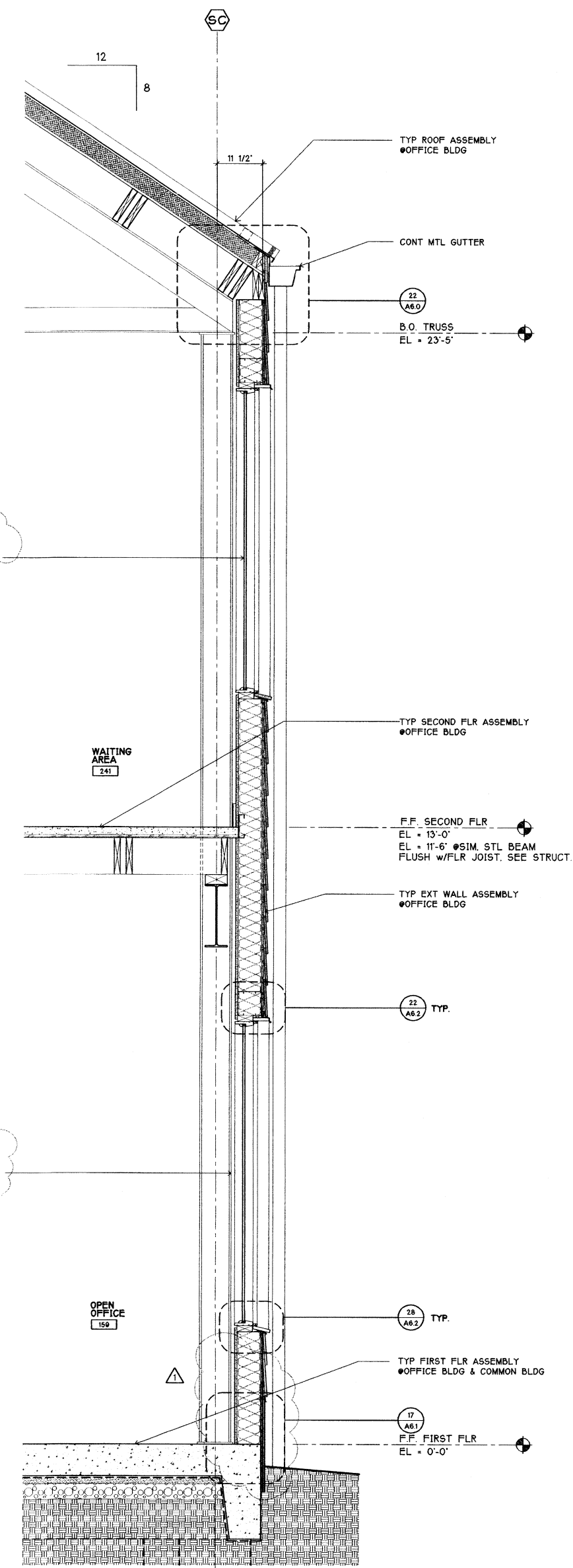
A5.3 CONSTRUCTION SET  
 SHEET NUMBER



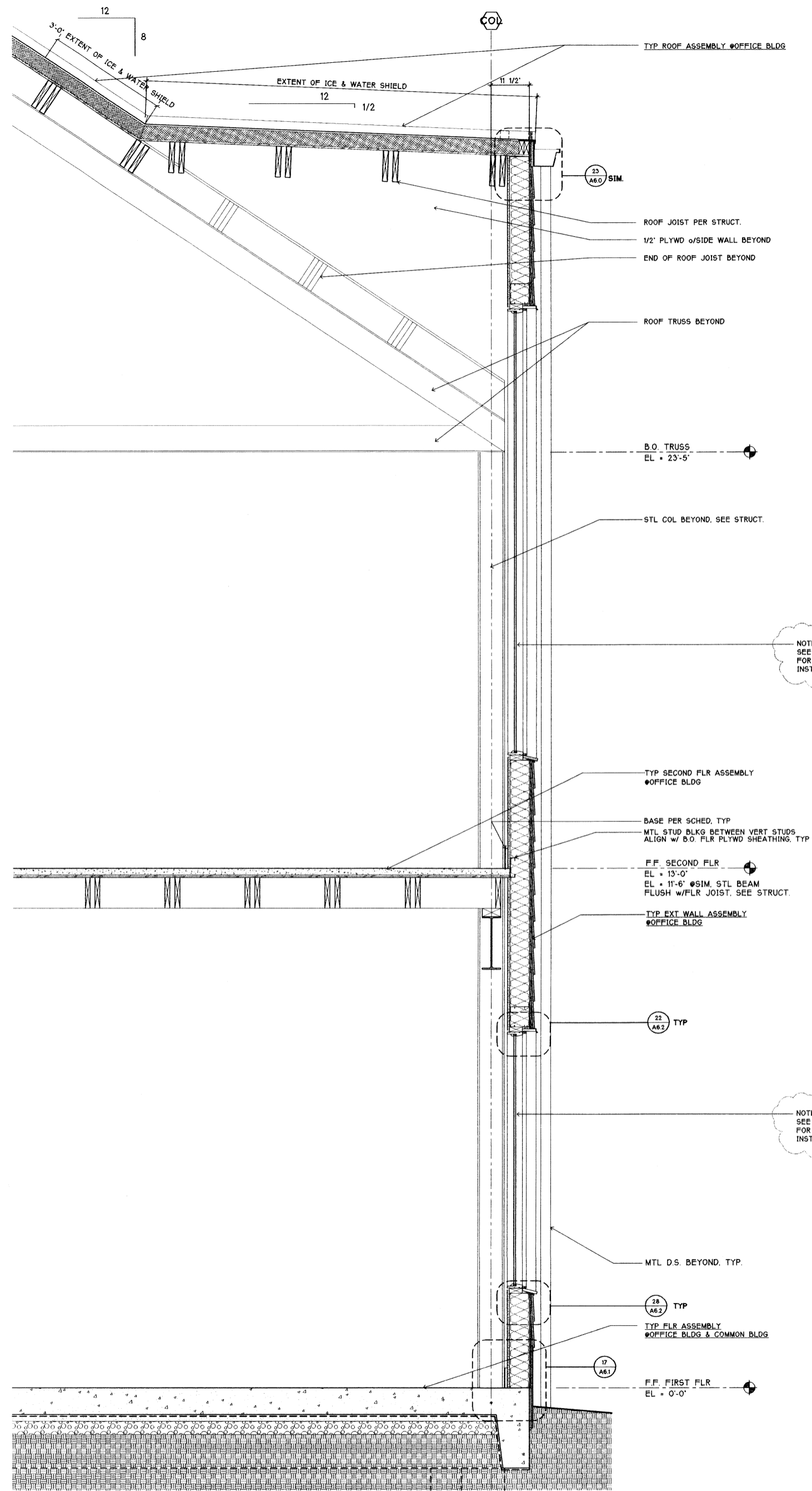
25 WALL SECTION @COMMON BLDG&OFFICE BLDG  
 NOTE: SEE 25/A5.2 FOR TYP NOTES & DIMS 3/4" = 1'-0"



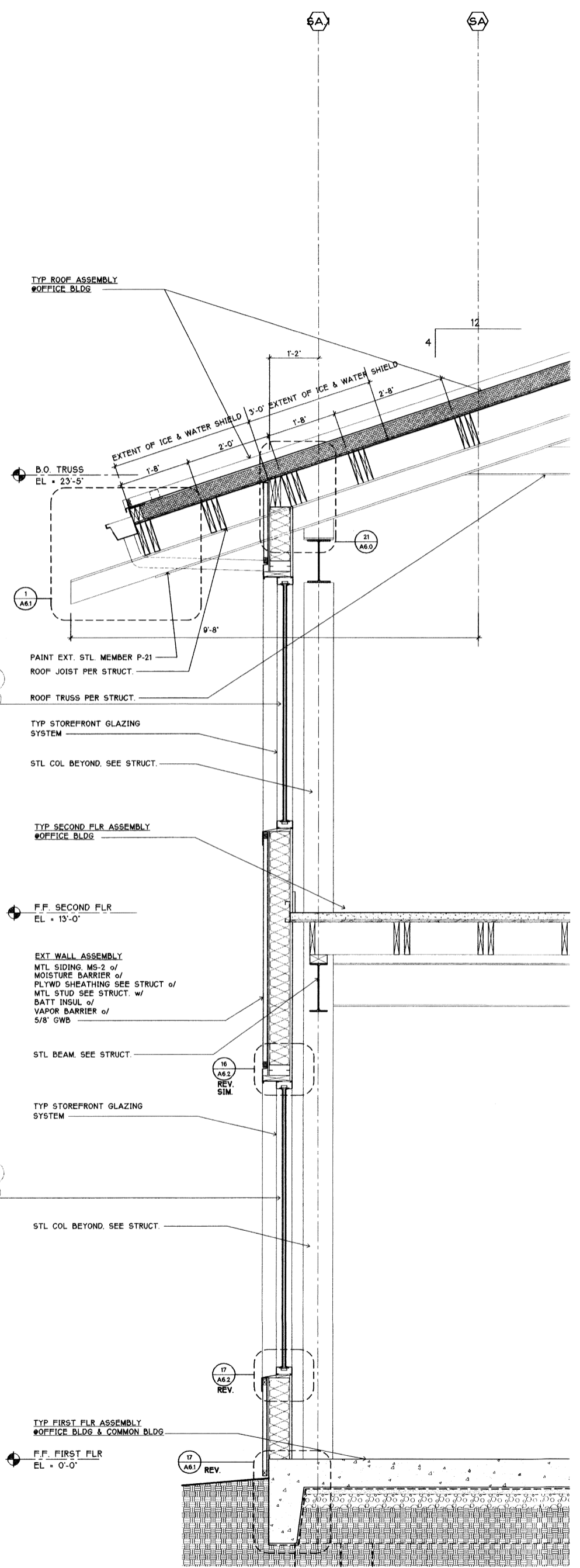
27 WALL SECTION THRU ROOF OVERHANG @ OFFICE BLDG  
 NOTE: SEE 25/A5.2 & 25/A5.3 FOR TYP NOTES & DIMS 3/4" = 1'-0"



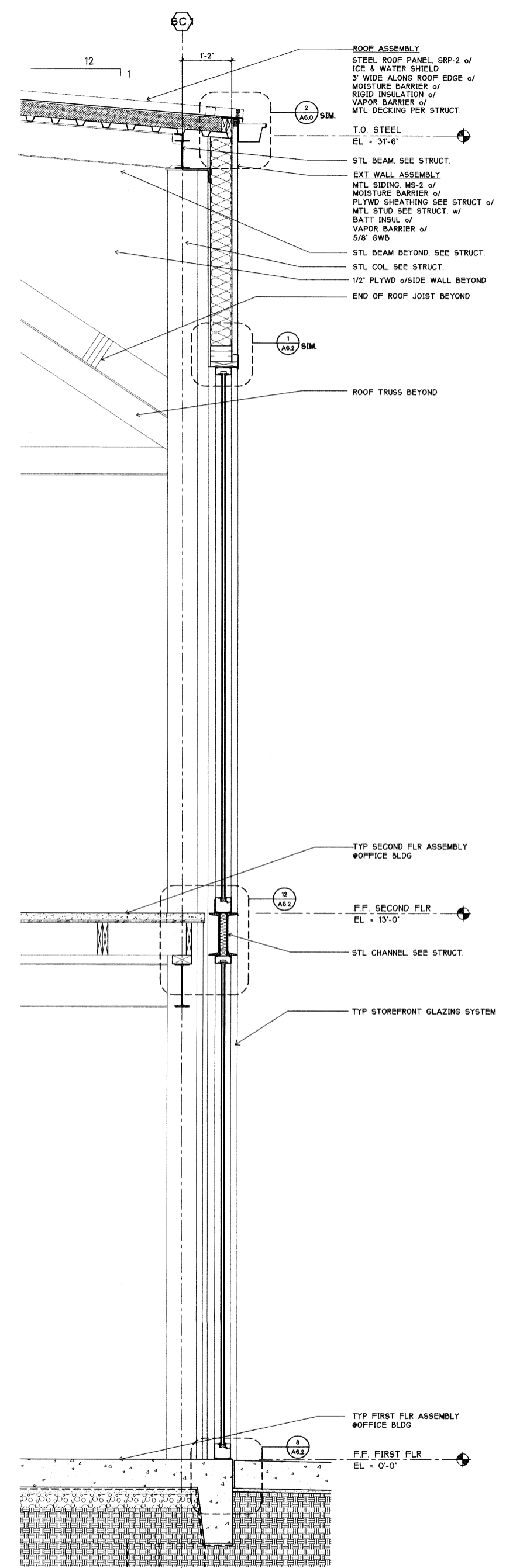
29 WALL SECTION @ OFFICE BLDG  
 NOTE: SEE 25/A5.2 & 25/A5.3 FOR TYP NOTES & DIMS 3/4" = 1'-0"



25 TYP WALL SECTION THRU DOMER @OFFICE BLDG  
NOTE: SEE 25/A5.2 & 25/A5.3 FOR TYP NOTES & DIMS.



27 WALL SECTION @OFFICE BLDG  
NOTE: SEE 25/A5.2, A5.3, A5.4 FOR TYP NOTES & DIMS.



29 WALL SECTION @ WRIST OF OFFICE BLDG  
NOTE: SEE 25/A5.2, A5.3, A5.4 FOR TYP NOTES & DIMS.



**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

SCALE 3/4\"/>

DATE: 5/18/99  
REVISION: CON-STRU SET

BG  
FORWARD BY CHANGE  
RF  
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
CHH  
SCALE  
FB  
CHECK

2029 REGISTERED ARCHITECT  
THOMAS D. EMBRICH  
STATE OF WASHINGTON

WALL SECTIONS  
@OFFICE BLDG  
98060.05  
PROJECT NO.  
MAY 18, 1999  
DATE  
E:\98060\CD\A5-4  
COMPUTER PLOT FILE

A5.4 CONSTRUCTION SET  
MITHUN PARTNERS, INC.



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

SCALE 3/4"=1'-0"

DATE: 5/18/99  
 REVISION: CON-STRU SET

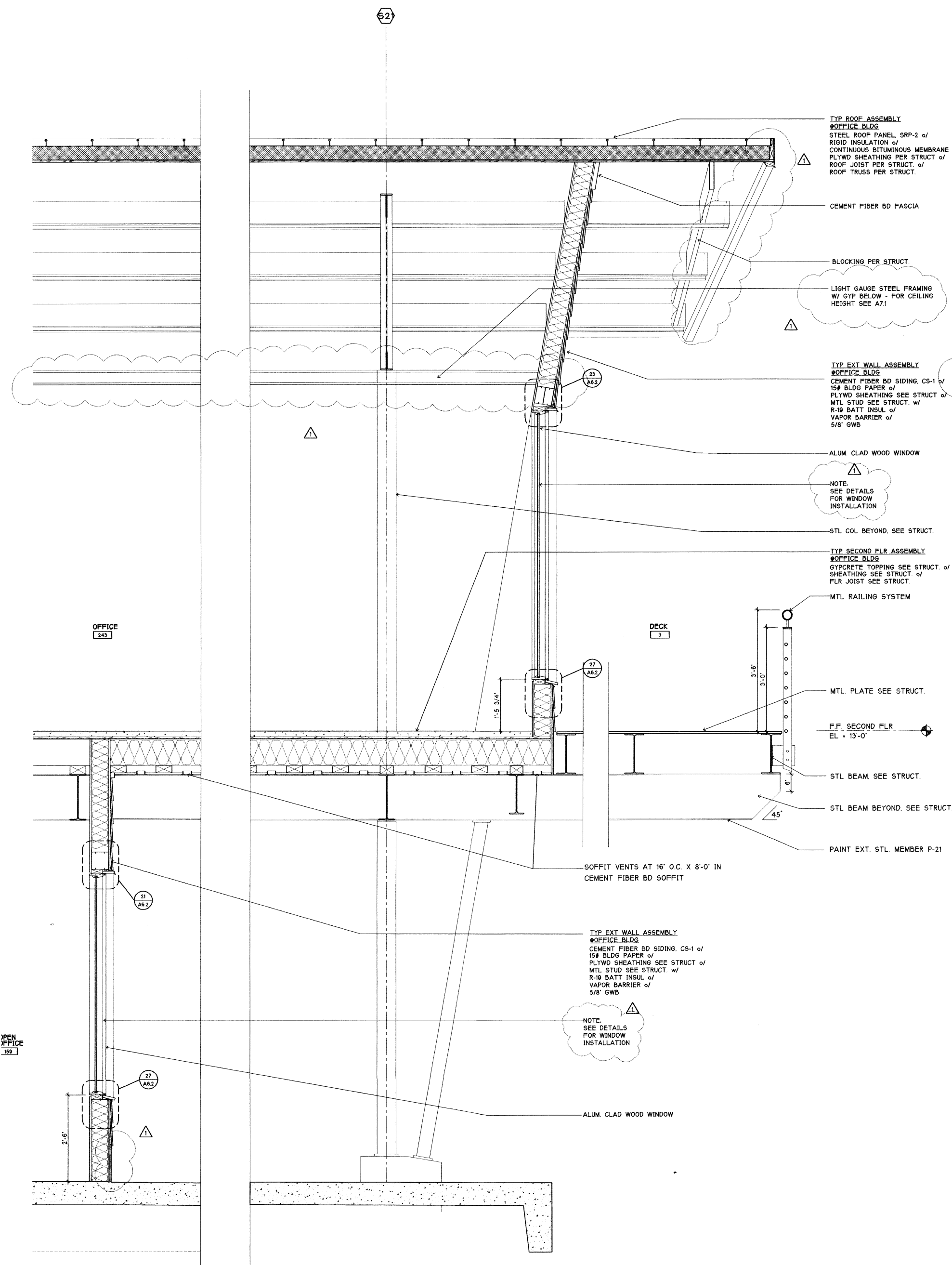
BG: PROJECT IN CHARGE  
 RF: PROJECT MANAGER  
 DAS/DWG: PROJECT ARCHITECT  
 CH: DESIGNER  
 FB: CHECKER

2029 REGISTERED ARCHITECT  
 THOMAS D. EMERSON  
 STATE OF WASHINGTON

WALL SECTIONS  
 @OFFICE BLDG

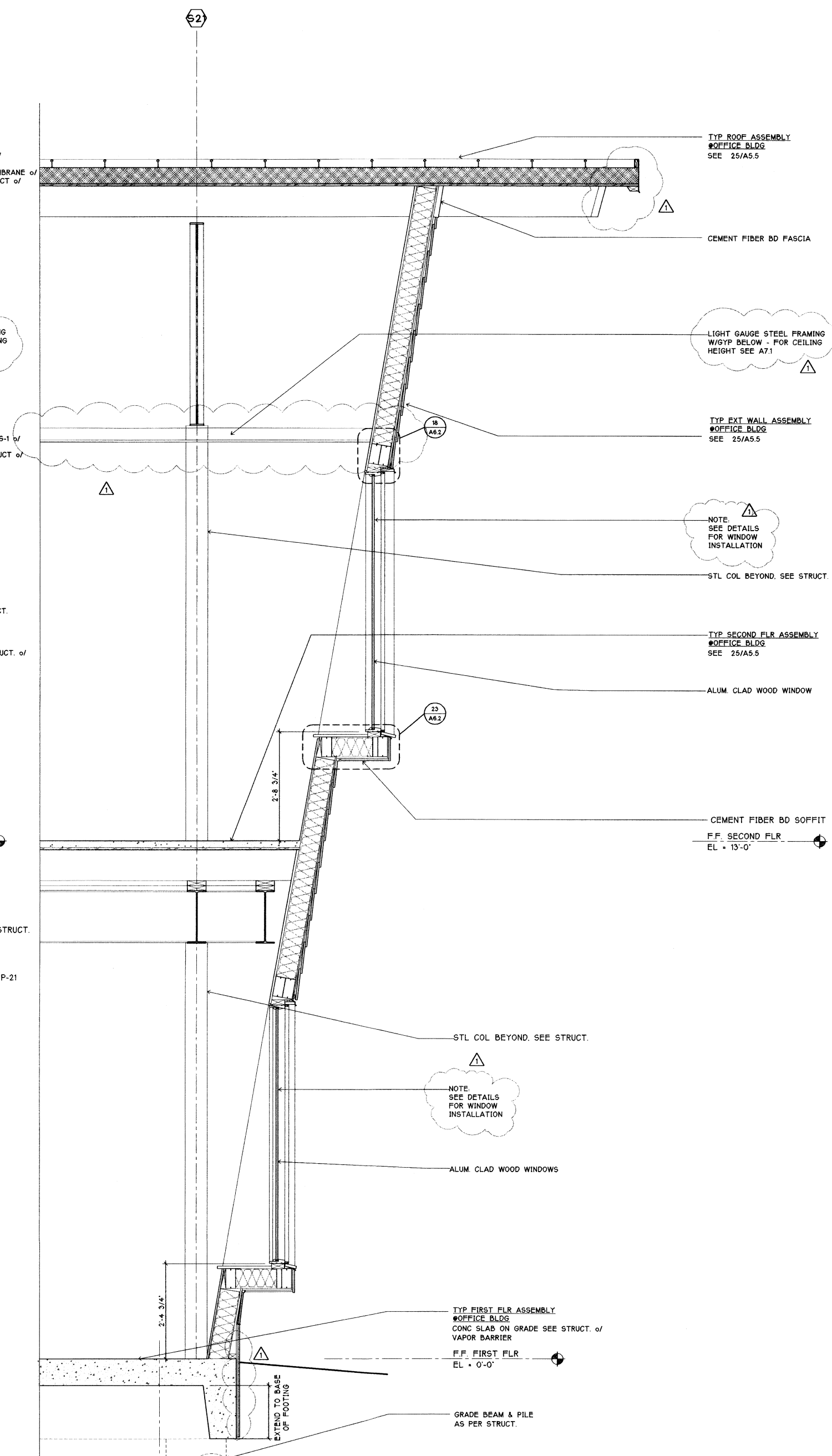
98060.05  
 PROJECT NO.  
 MAY 18, 1999  
 DATE  
 E:\98060\CD\A5-5  
 DRAWING FILE NAME

A5.5 CONSTRUCTION SET  
 SET NAME  
 COPYRIGHT © 1999 MITHUN PARTNERS, INC.



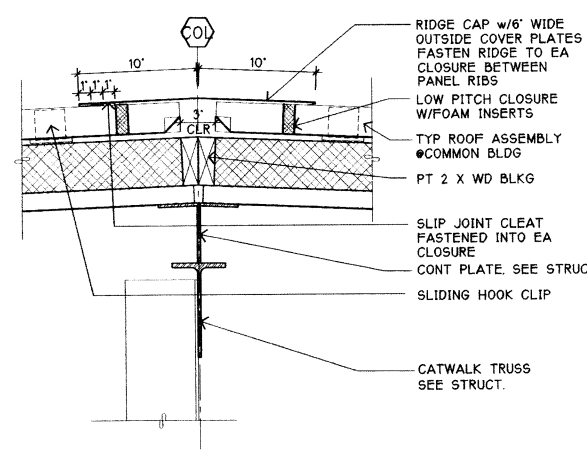
25 WALL SECTION @ EAST END OF OFFICE BLDG

3/4" = 1'-0"

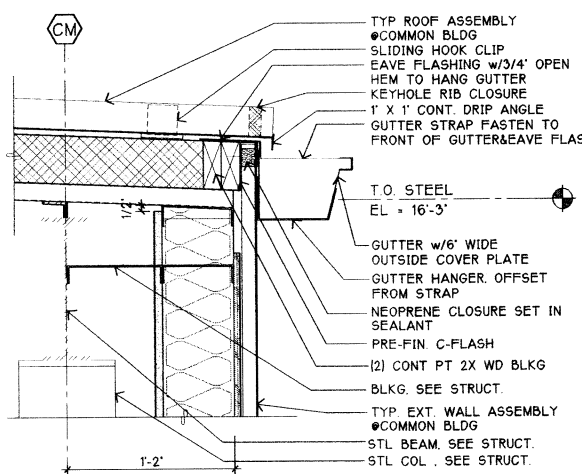


28 WALL SECTION @ EAST END OF OFFICE BLDG

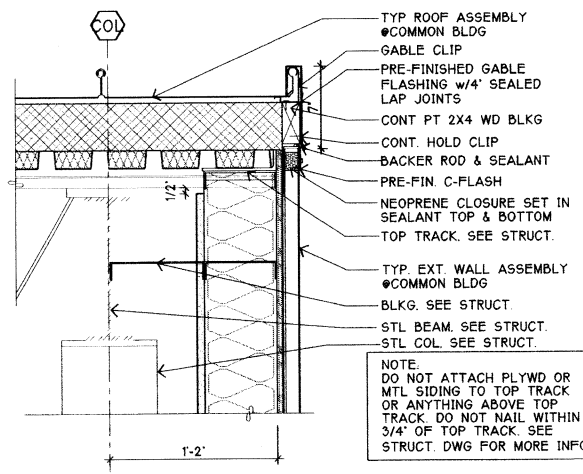
3/4" = 1'-0"



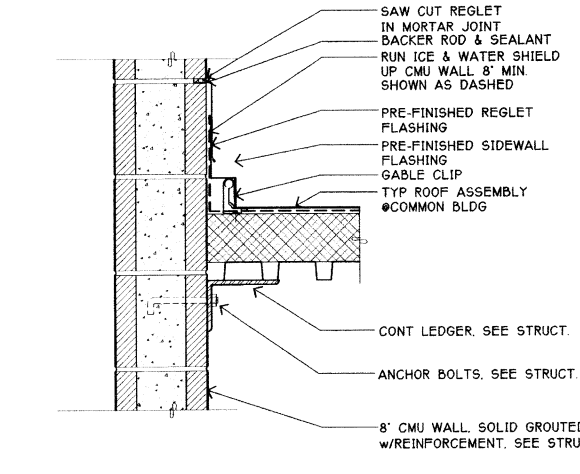
1 ROOF RIDGE COMMON BLDG  
SIM AT HIP OF OFFICE BLDG 1/12" = 1'-0"



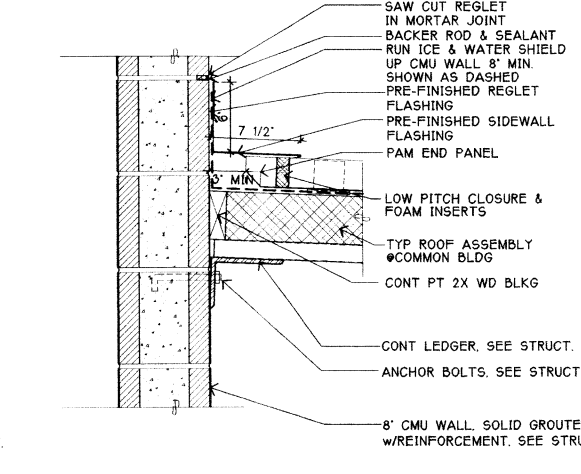
2 TYP. ROOF EAVE COMMON BLDG 1/12" = 1'-0"



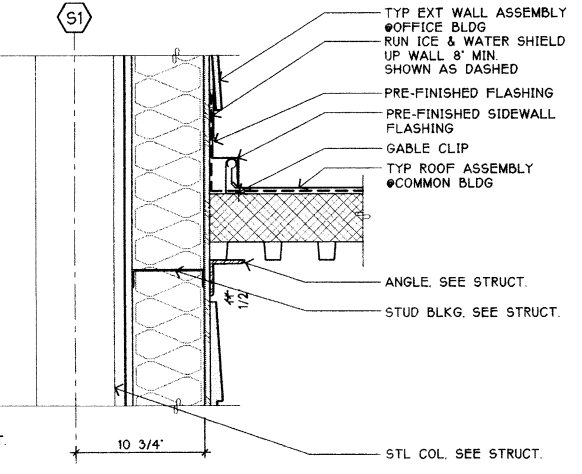
3 TYP. ROOF GABLE COMMON BLDG 1/12" = 1'-0"



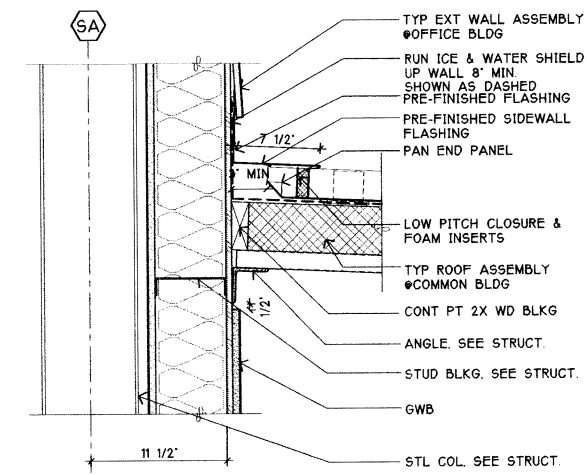
4 ROOF SIDEWALL DETAIL COMMON  
BLDG/DATA TOWER 1/12" = 1'-0"



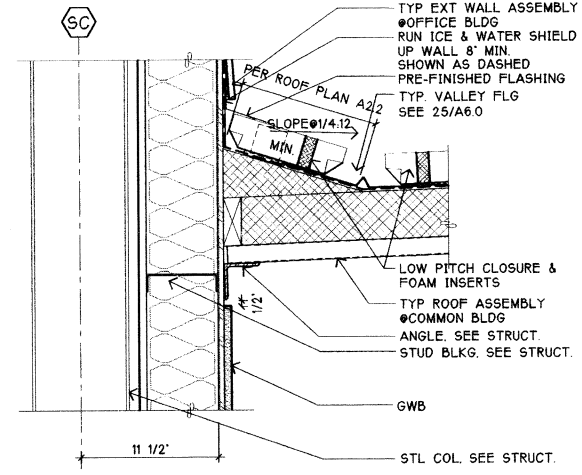
5 ROOF ENDWALL DETAIL COMMON  
BLDG/DATA TOWER 1/12" = 1'-0"



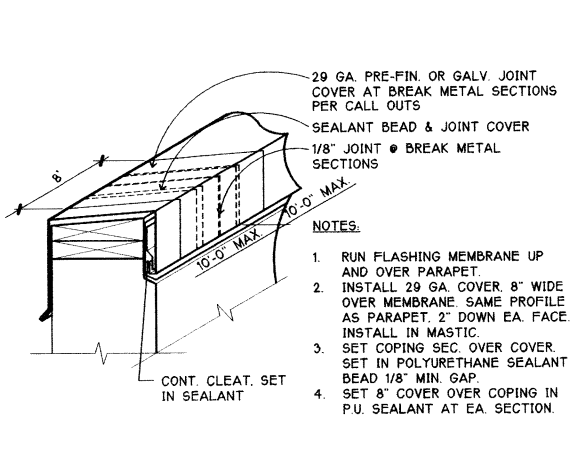
6 ROOF SIDEWALL DETAIL COMMON  
BLDG/OFF. BLDG 1/12" = 1'-0"



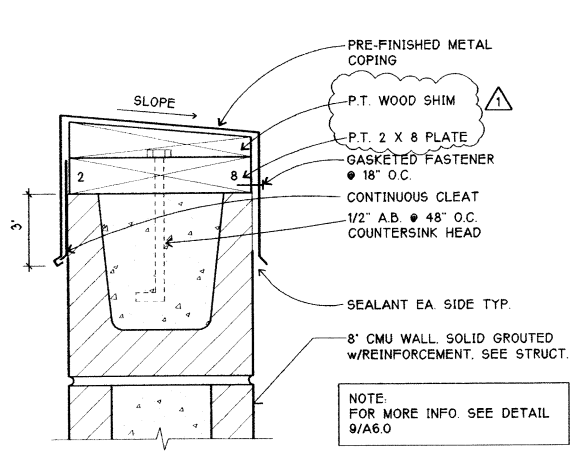
7 ROOF ENDWALL DETAIL COMMON  
BLDG/OFFICE BLDG 1/12" = 1'-0"



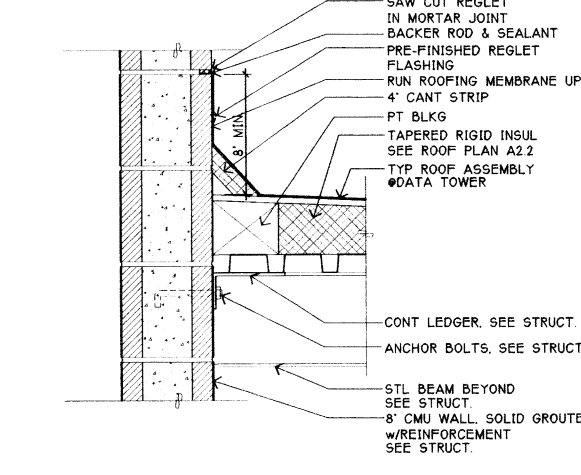
8 ROOF ENDWALL DETAIL COMMON  
BLDG/OFFICE BLDG 1/12" = 1'-0"



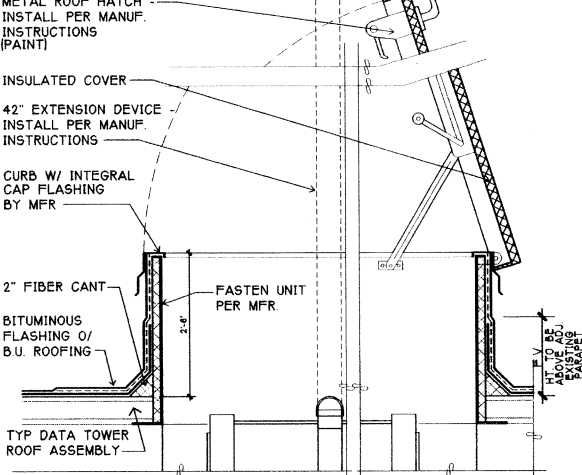
9 COPING EXP. CONTROL DETAIL 1/12" = 1'-0"



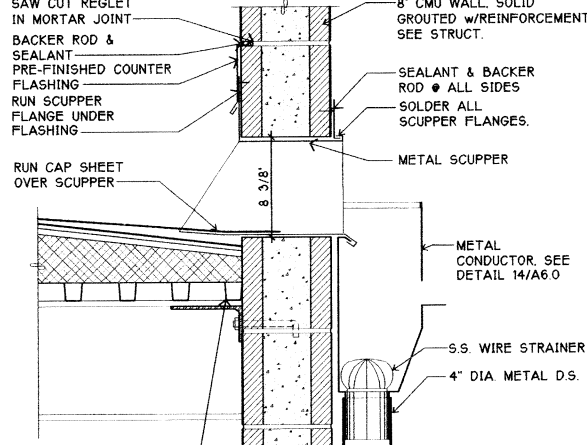
10 CMU PARAPET DETAIL DATA TOWER 3" = 1'-0"



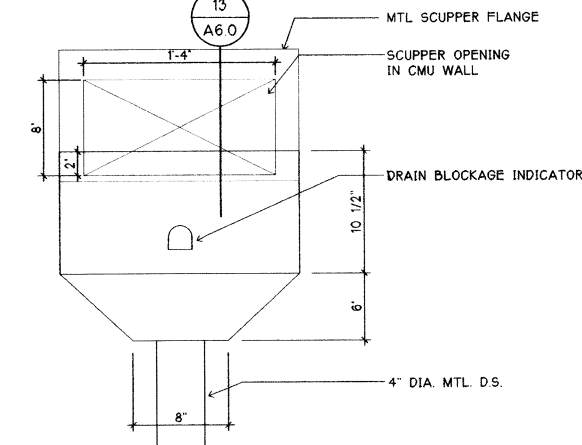
11 ROOF DETAIL DATA TOWER 1/12" = 1'-0"



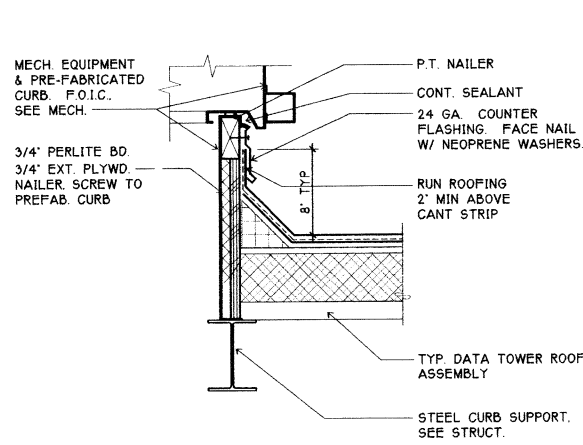
12 ROOF HATCH DETAIL DATA TOWER 1/12" = 1'-0"



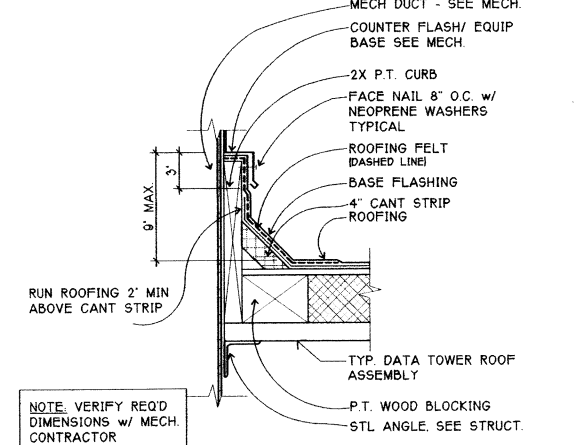
13 SCUPPER DETAIL DATA TOWER 1/12" = 1'-0"



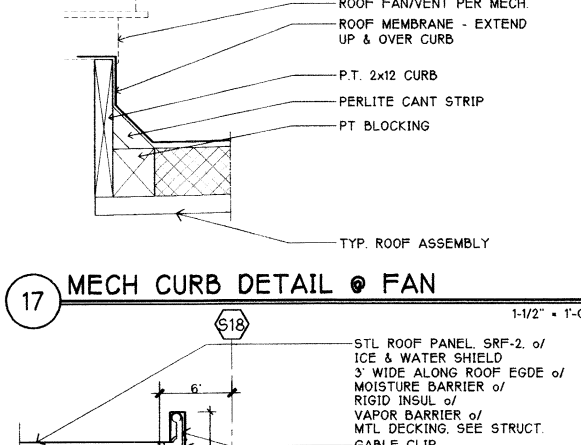
14 CONDUCTOR/SCUPPER DETAIL  
DATA TOWER 1/12" = 1'-0"



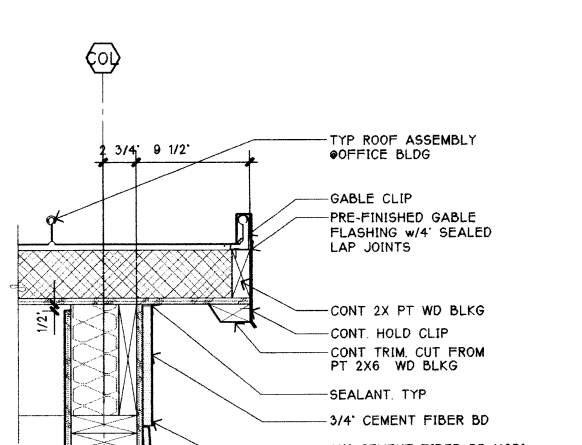
15 MECH EQUIPMENT CURB DETAIL  
DATA TOWER ROOF 1/12" = 1'-0"



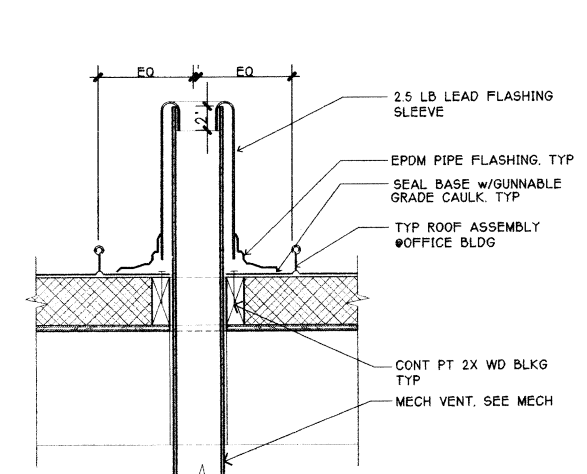
16 MECH DUCT PENETRATION DETAIL  
DATA TOWER ROOF 1/12" = 1'-0"



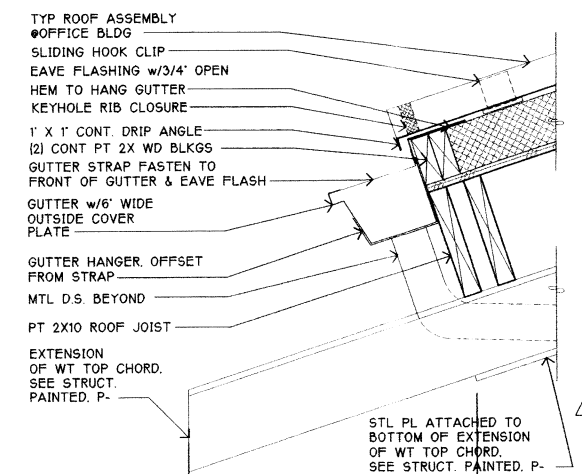
17 MECH CURB DETAIL FAN 1/12" = 1'-0"



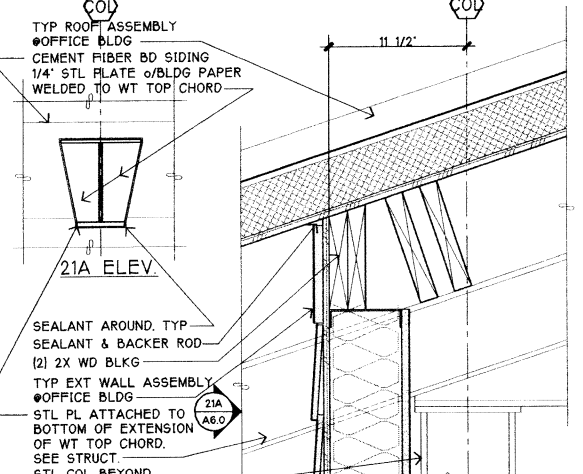
18 TYP. ROOF GABLE & WALL DORMER 1/12" = 1'-0"



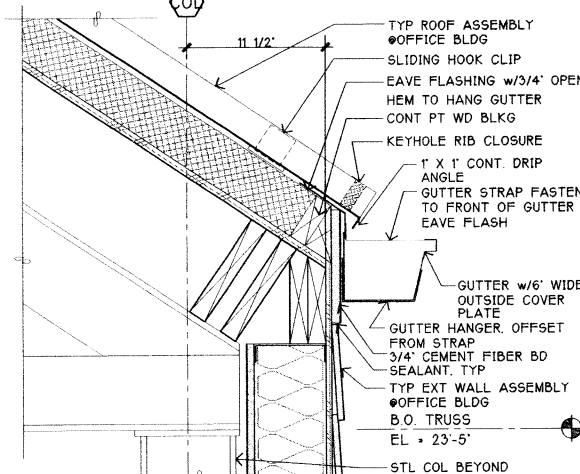
19 MECH VENT/PLUMBING PENETRATION  
DETAIL 1/12" = 1'-0"



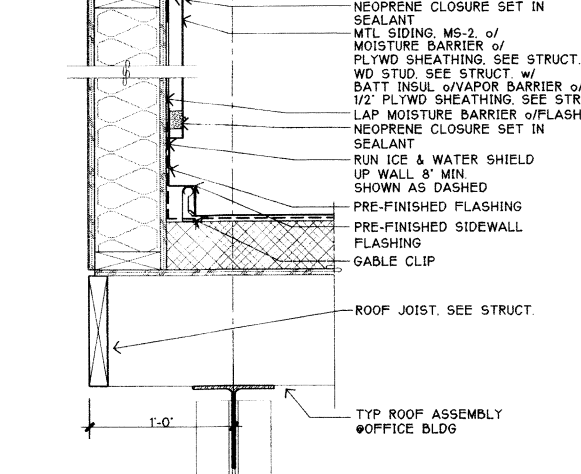
20 ROOF OVERHANG OFFICE BLDG 1/12" = 1'-0"



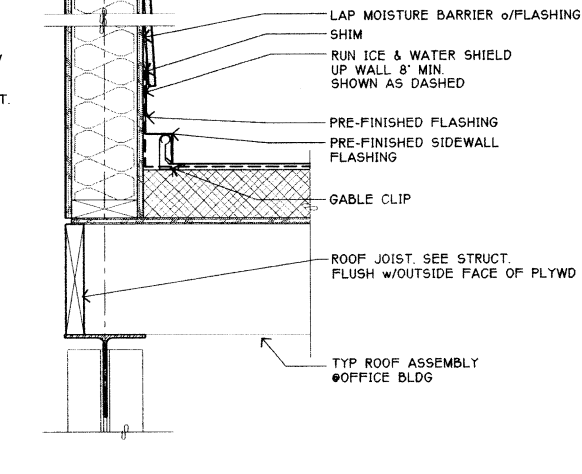
21 ROOF DETAIL OFFICE BLDG 1/12" = 1'-0"



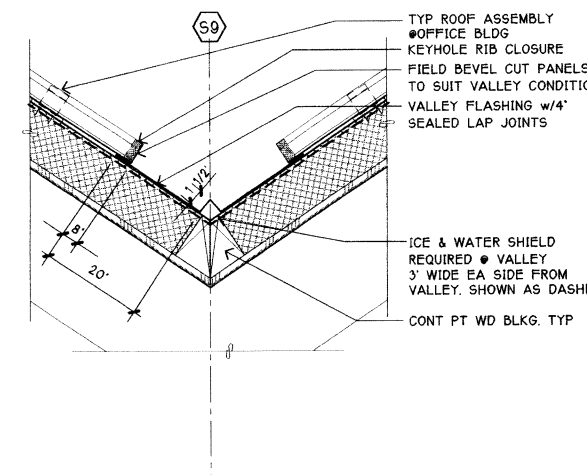
22 TYP. ROOF EAVE OFFICE BLDG 1/12" = 1'-0"



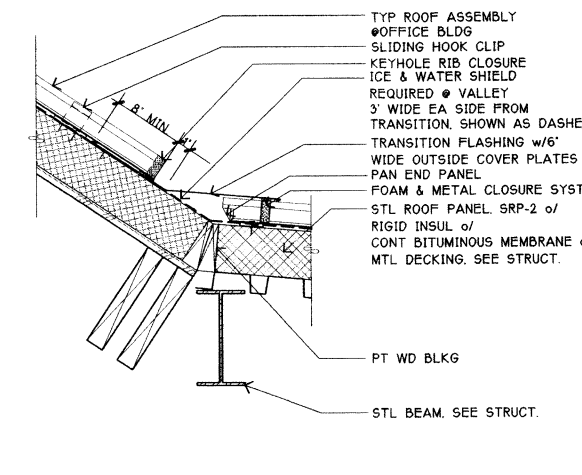
23 ROOF GABLE & WALL WRIST 1/12" = 1'-0"



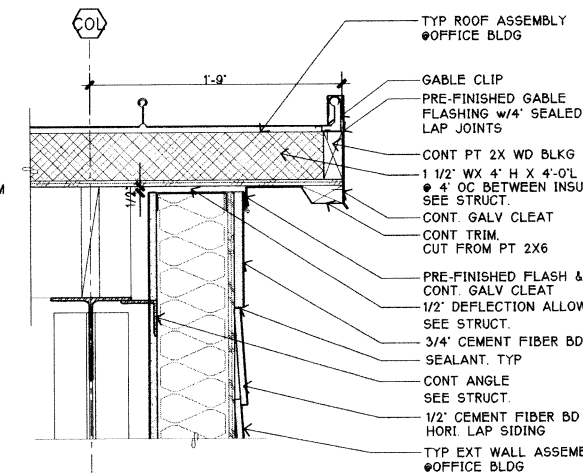
24 TYP. ROOF GABLE & WALL DORMER 1/12" = 1'-0"



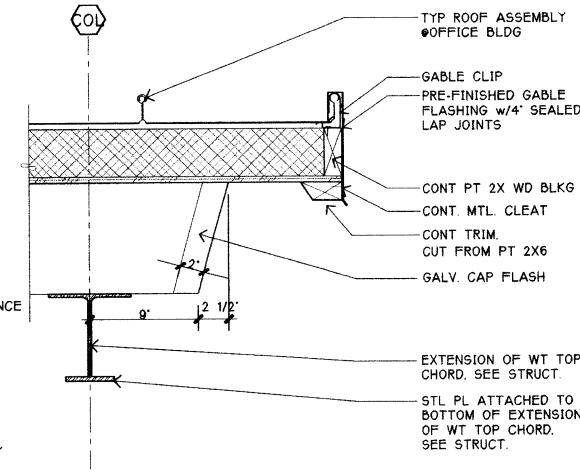
25 ROOF VALLEY DETAIL OFFICE BLDG 1/12" = 1'-0"



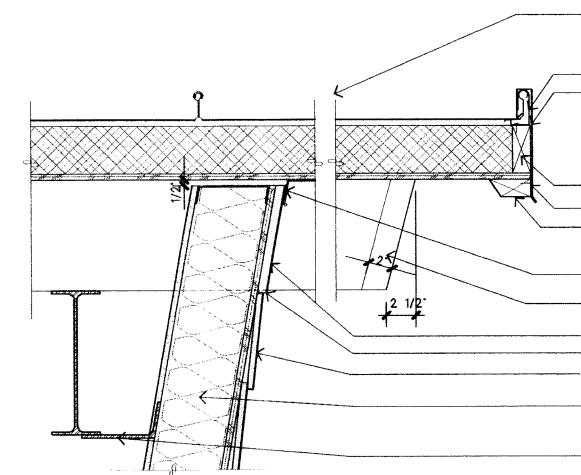
26 ROOF SLOPE TRANSITION OFF BLDG 1/12" = 1'-0"



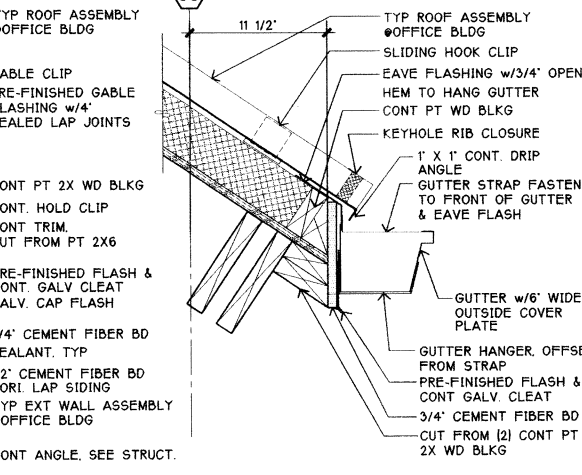
27 ROOF EDGE DETAIL OFFICE BLDG 1/12" = 1'-0"



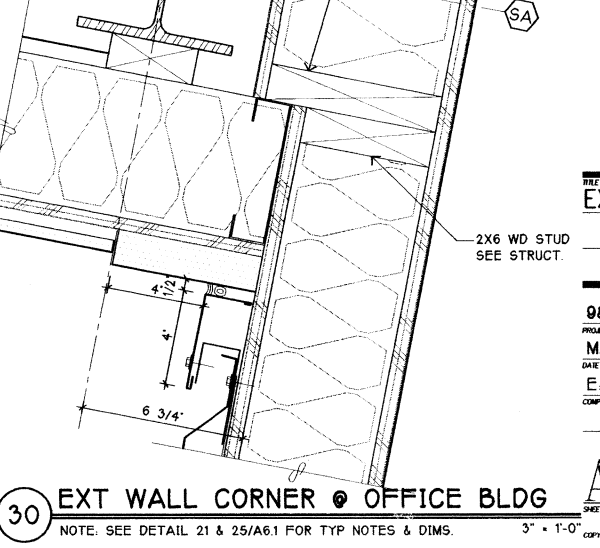
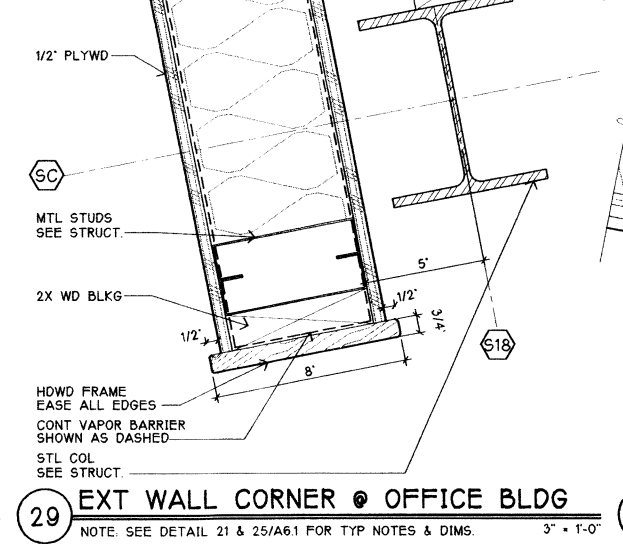
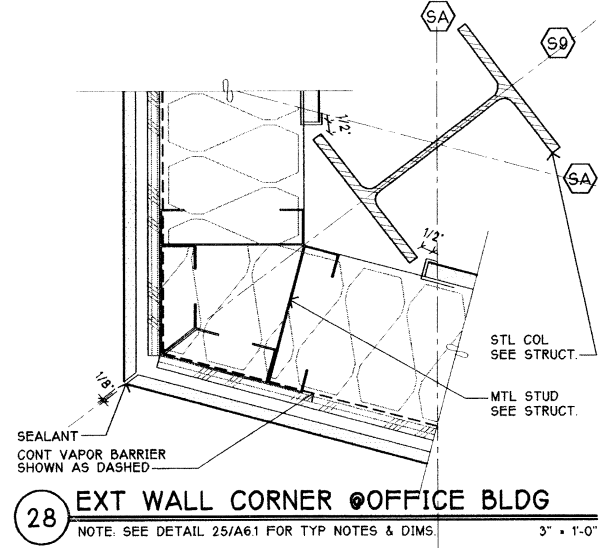
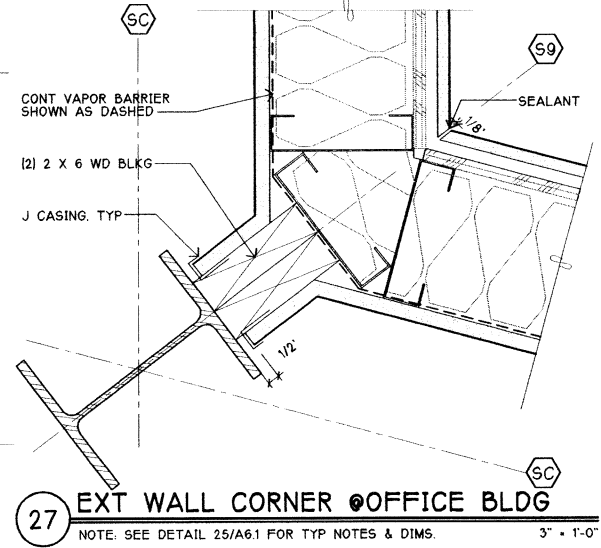
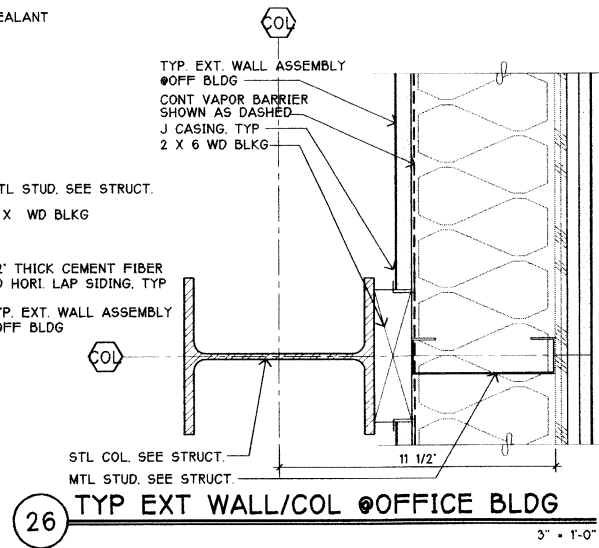
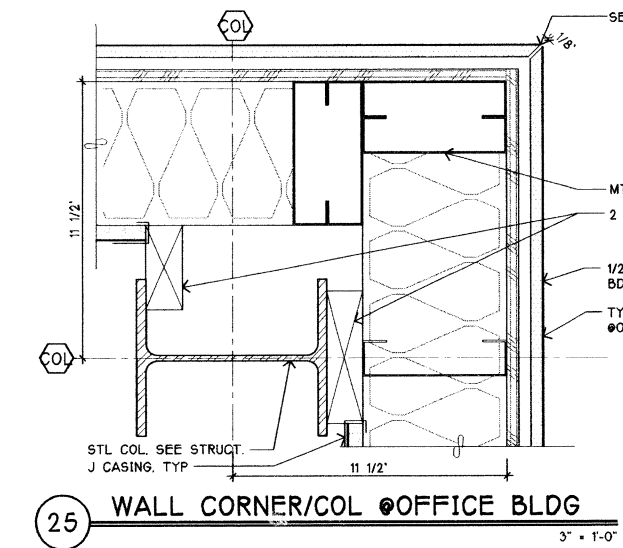
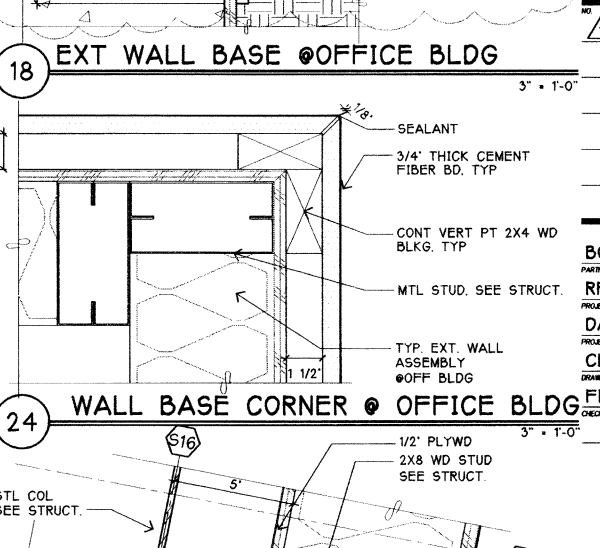
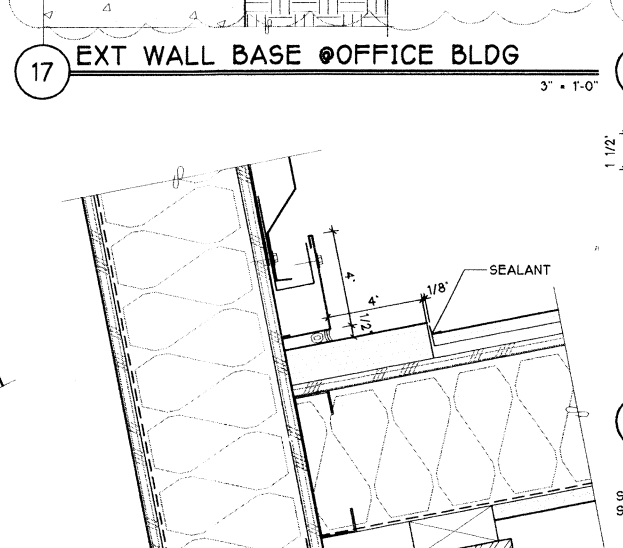
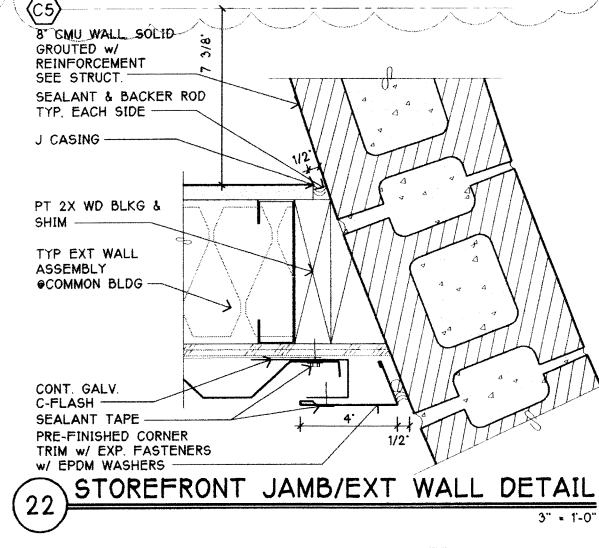
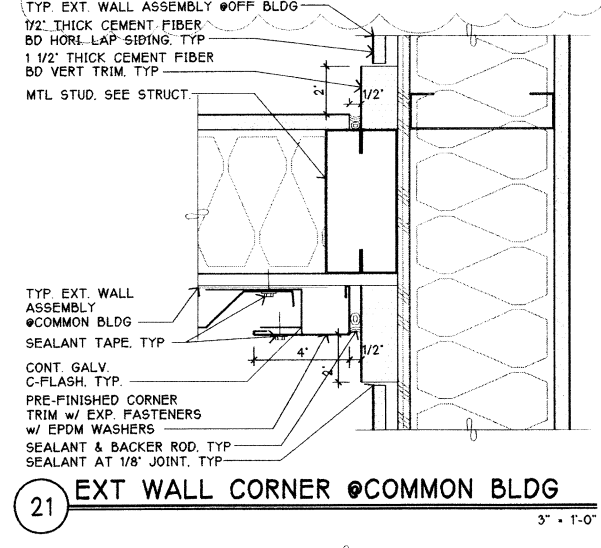
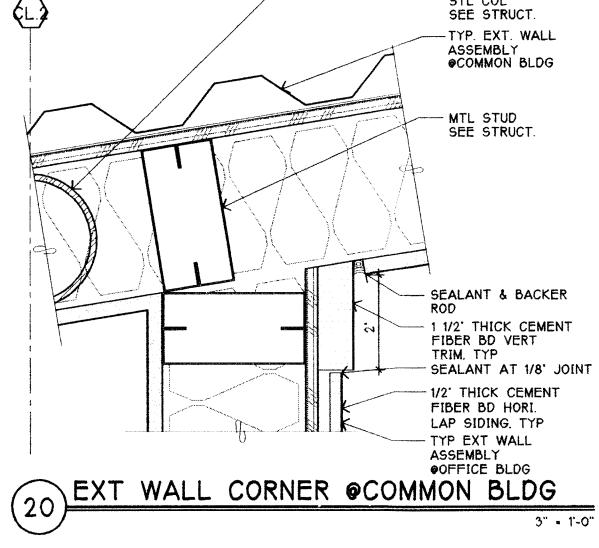
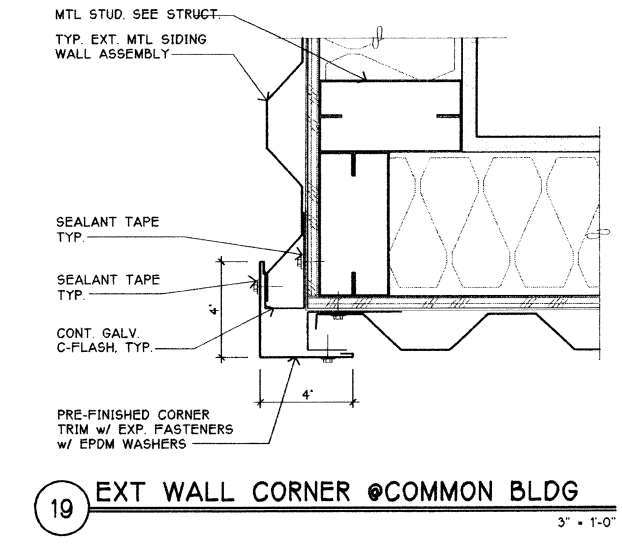
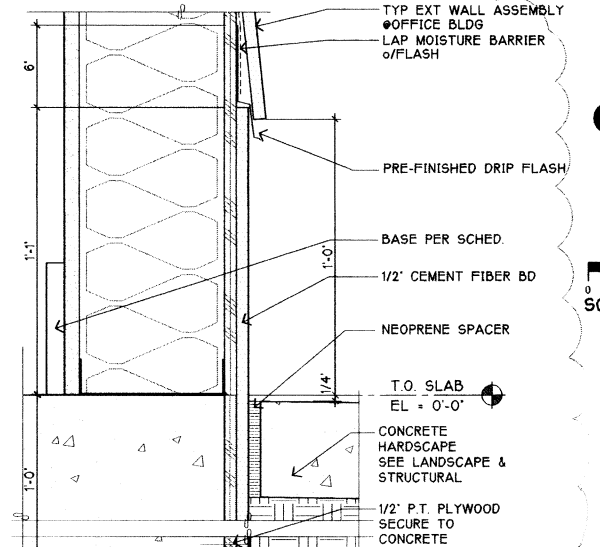
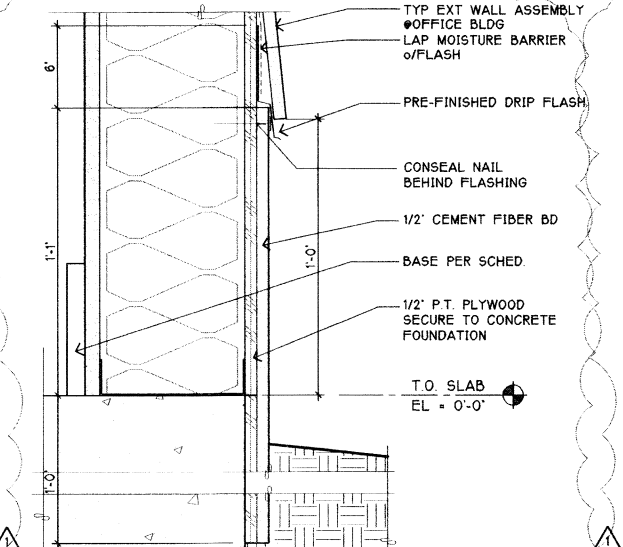
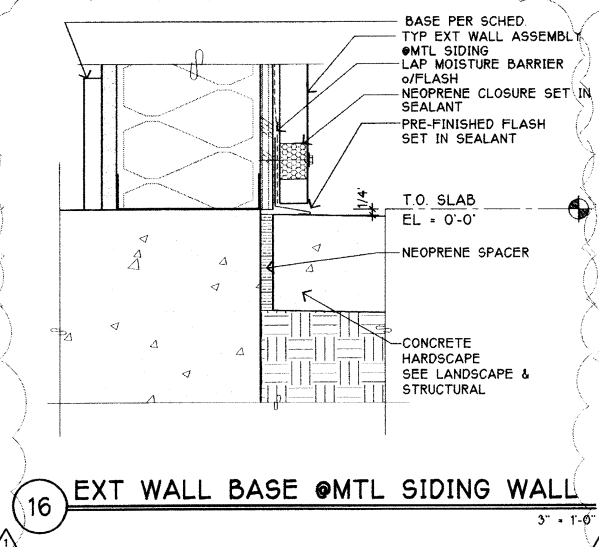
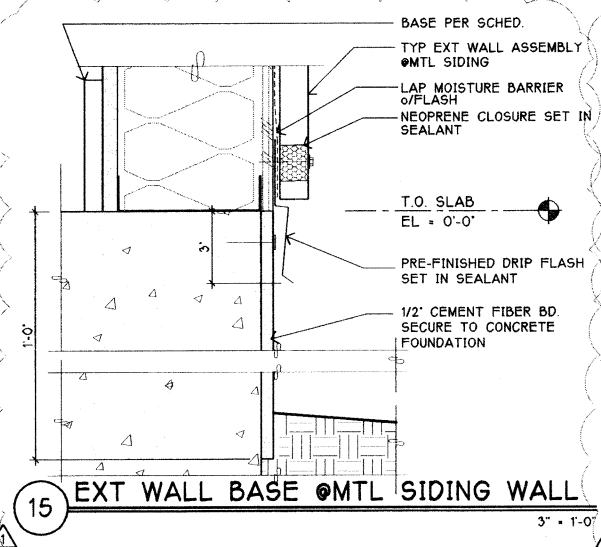
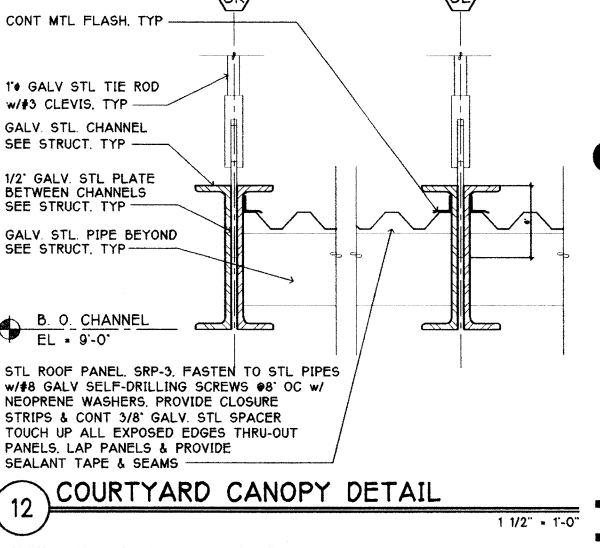
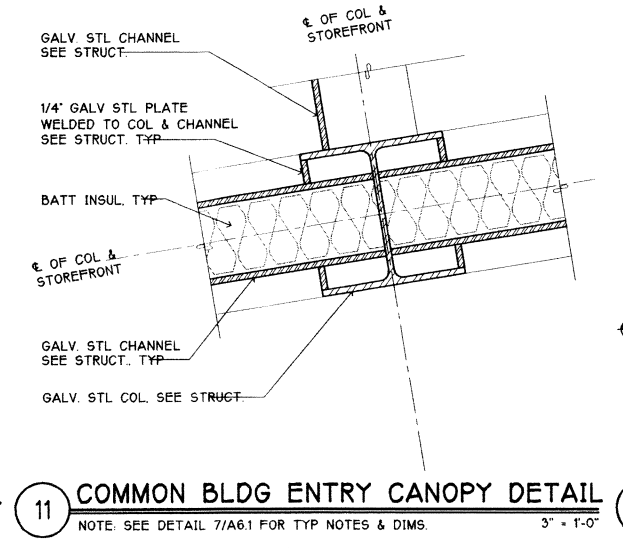
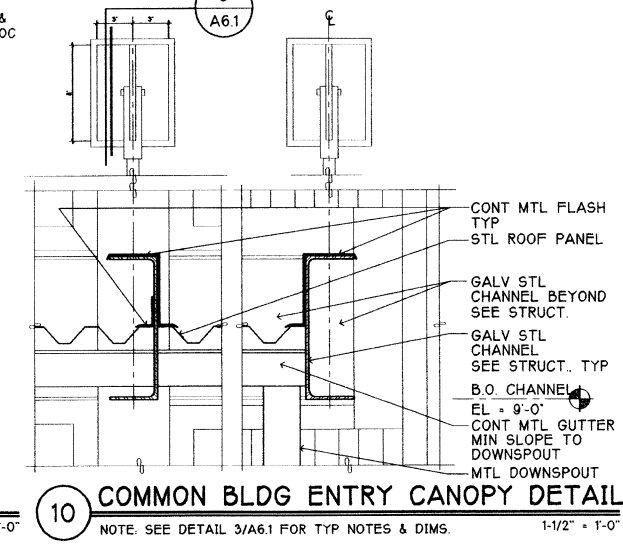
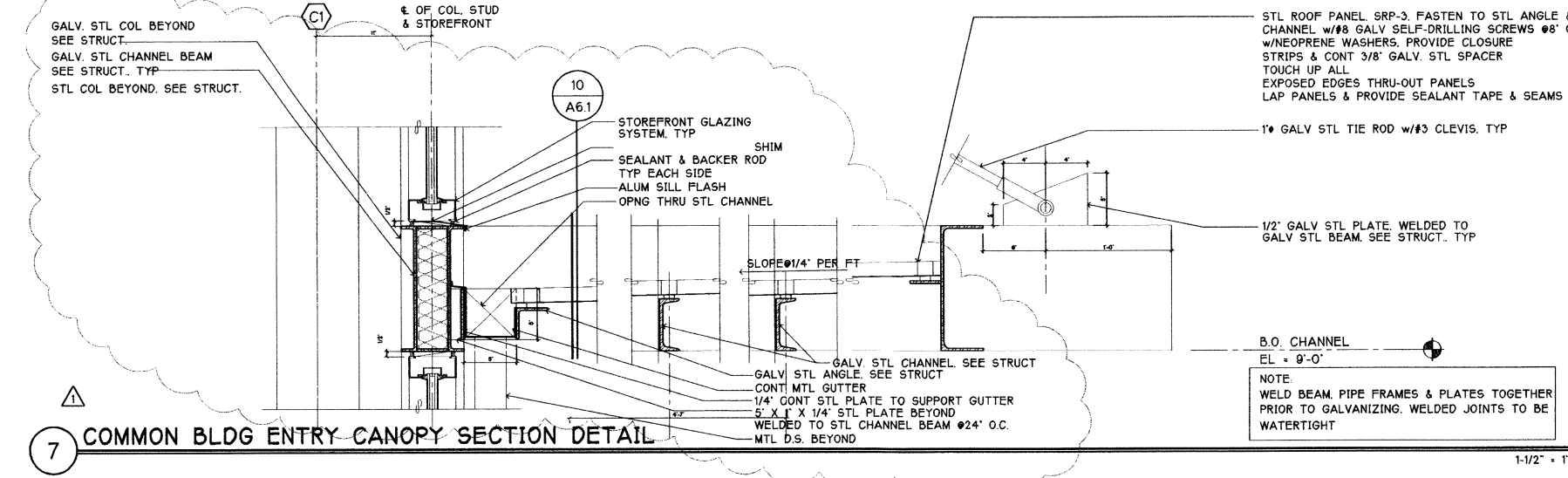
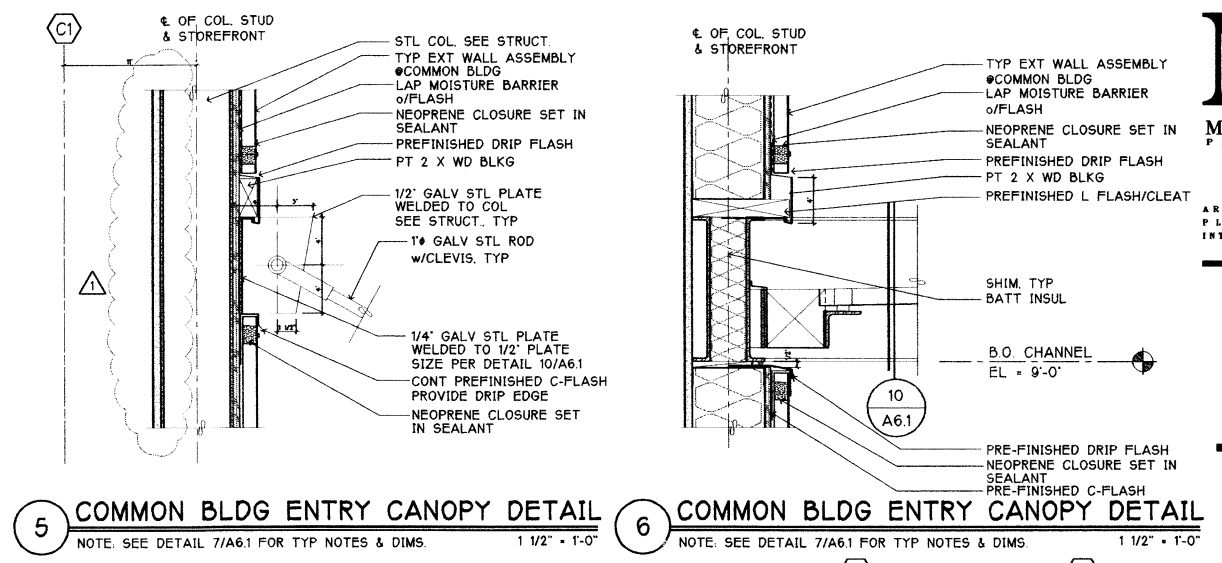
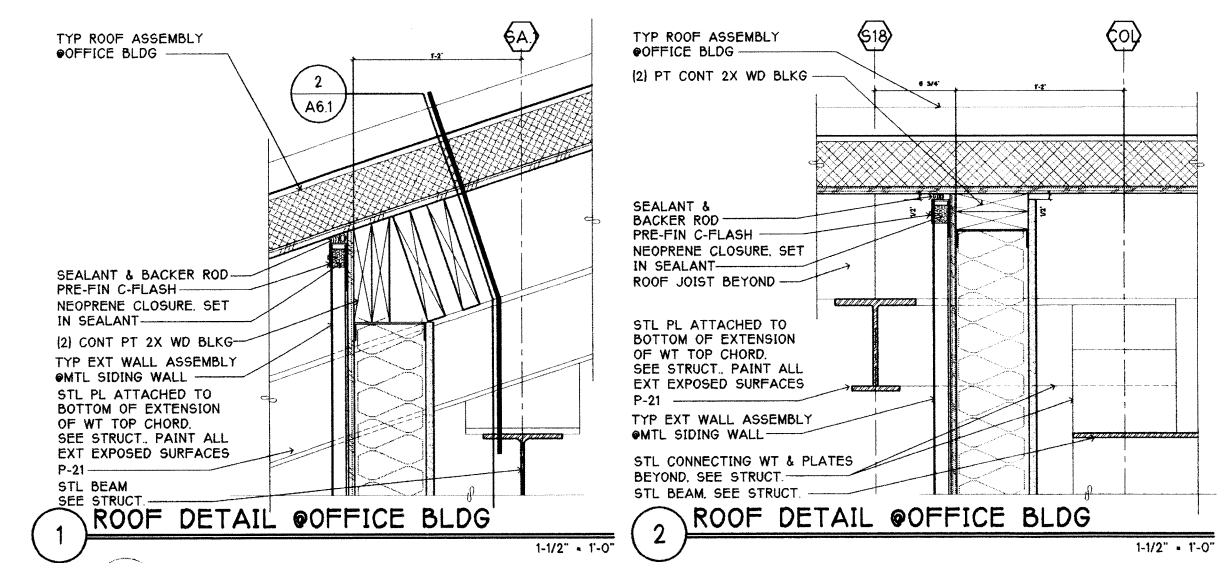
28 ROOF OVERHANG EDGE OFF BLDG 1/12" = 1'-0"



29 ROOF EDGE EAST END OF OFF BLDG 1/12" = 1'-0"



30 ROOF EDGE EAST END OF OFF BLDG 1/12" = 1'-0"



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

DATE: 5/18/99  
 REVISION: CON STRU. SET

BG  
 PARTNER IN CHARGE  
 RF  
 PROJECT MANAGER  
 DAS/DWG  
 PROJECT ARCHITECT  
 CHH  
 DESIGNER  
 FB  
 CHECKER

2029 REGISTERED ARCHITECT  
 THOMAS D. EMRICH  
 STATE OF WASHINGTON

EXTERIOR DETAILS

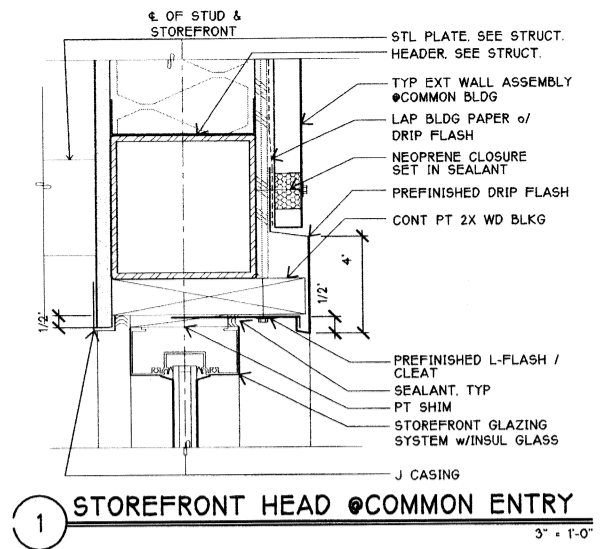
98060.05  
 PROJECT NO.  
 MAY 18, 1999  
 DATE  
 E:\98060\CD\A6.1  
 DRAWING NO.

A6.1 CONSTRUCTION SET

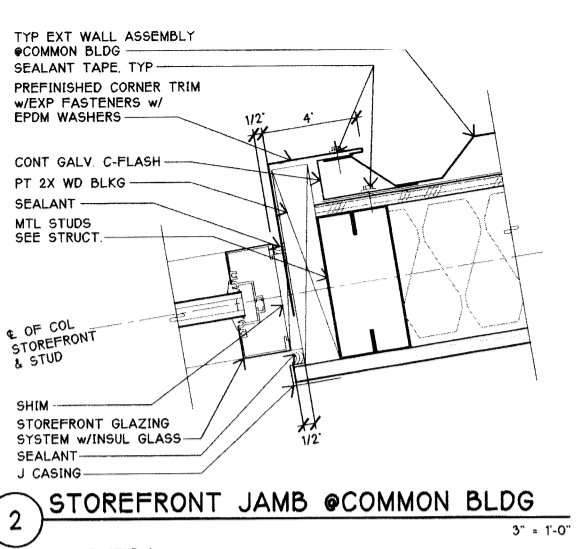


**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

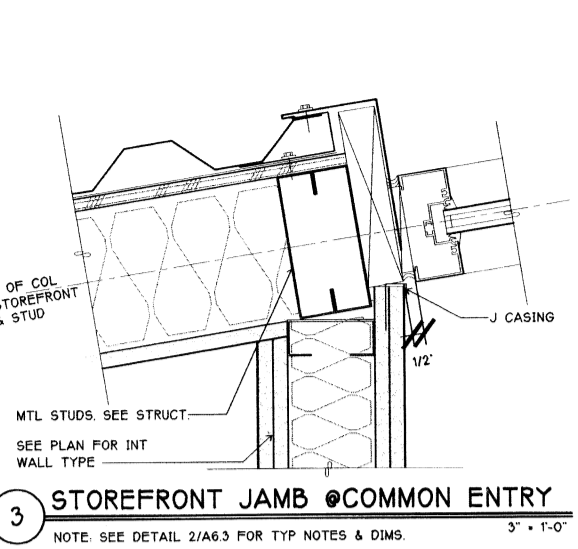
SCALE 1 1/2"=1'-0"



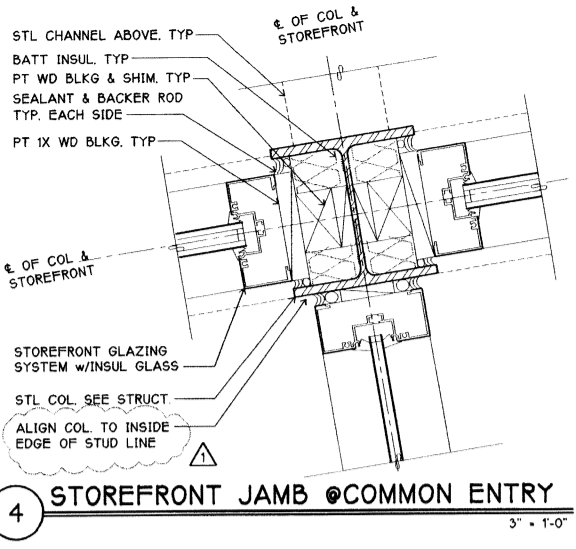
1 STOREFRONT HEAD @COMMON ENTRY 3" x 1'-0"



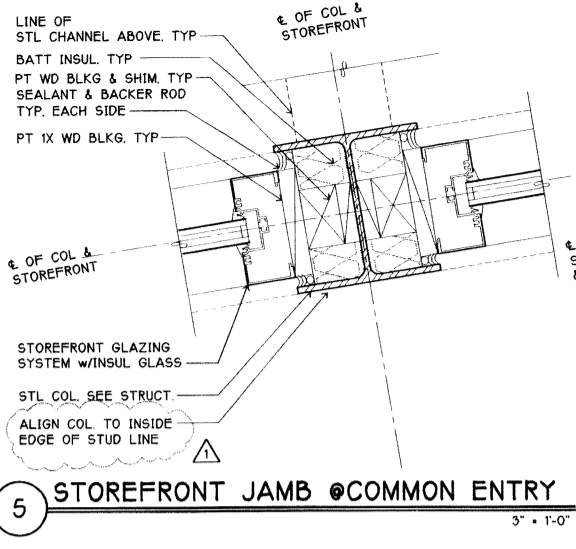
2 STOREFRONT JAMB @COMMON BLDG 3" x 1'-0"



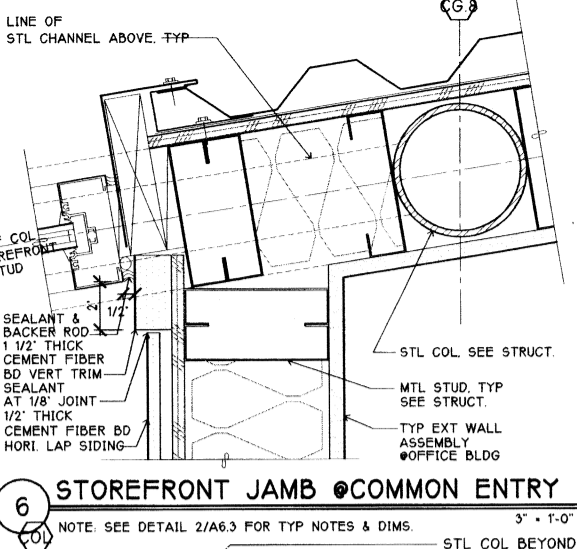
3 STOREFRONT JAMB @COMMON ENTRY 3" x 1'-0"  
 NOTE: SEE DETAIL 2/A6.3 FOR TYP NOTES & DIMS.



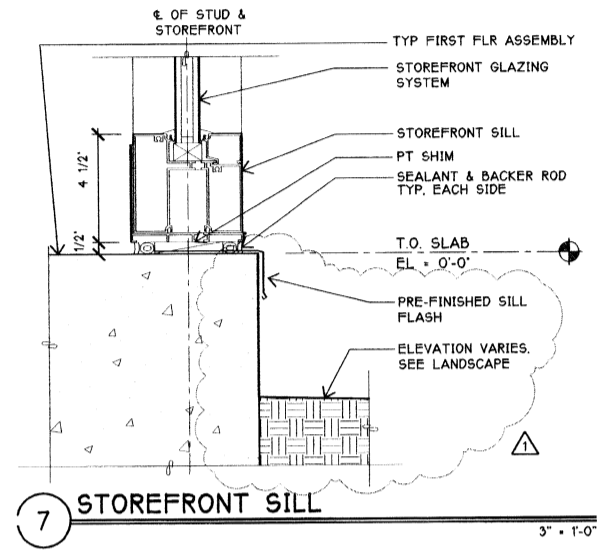
4 STOREFRONT JAMB @COMMON ENTRY 3" x 1'-0"



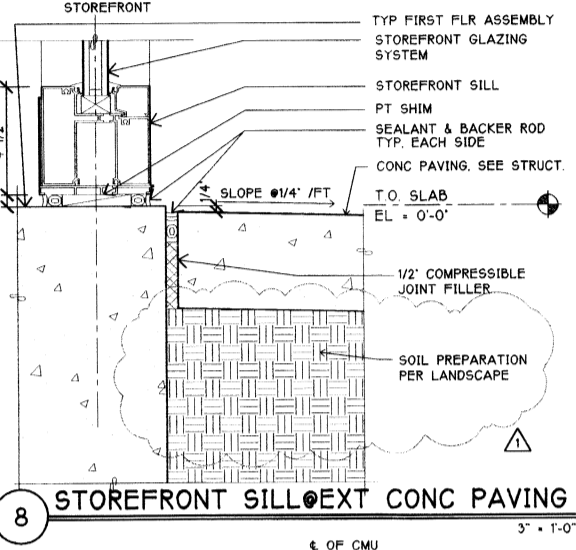
5 STOREFRONT JAMB @COMMON ENTRY 3" x 1'-0"



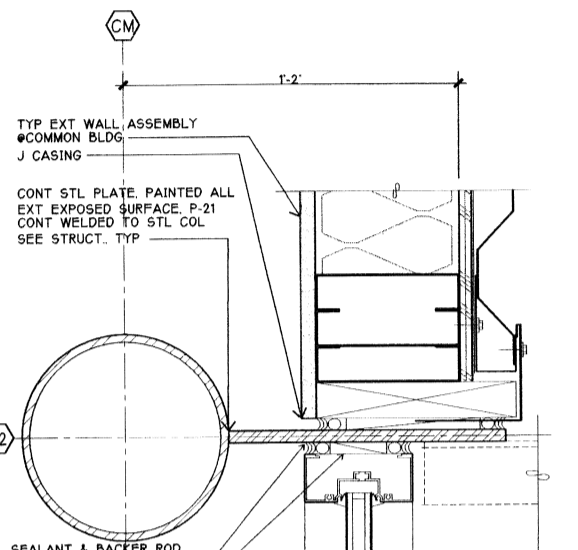
6 STOREFRONT JAMB @COMMON ENTRY 3" x 1'-0"  
 NOTE: SEE DETAIL 2/A6.3 FOR TYP NOTES & DIMS.



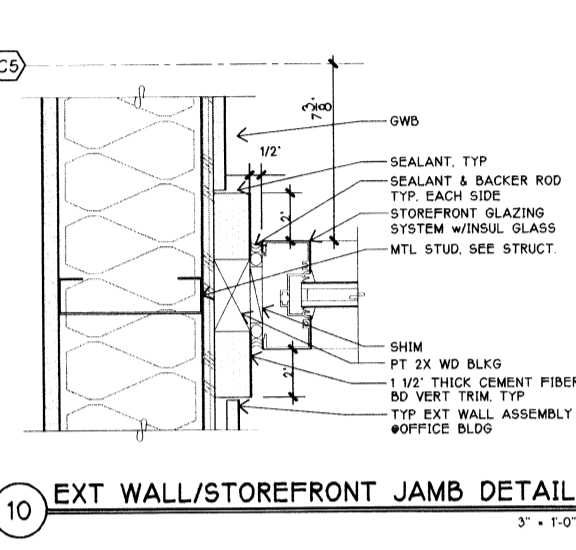
7 STOREFRONT SILL 3" x 1'-0"



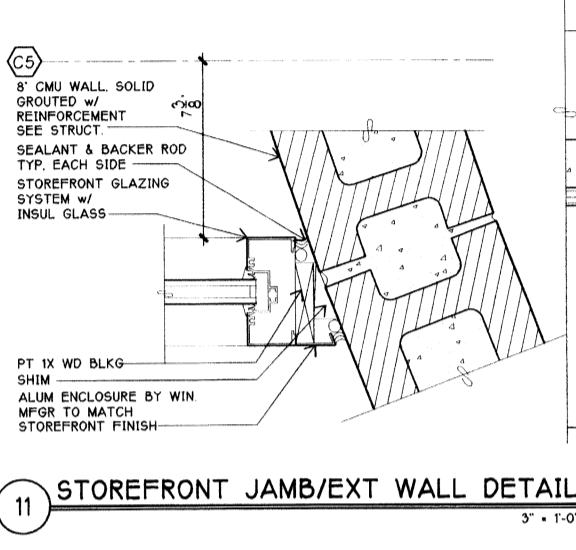
8 STOREFRONT SILL @EXT CONC PAVING 3" x 1'-0"



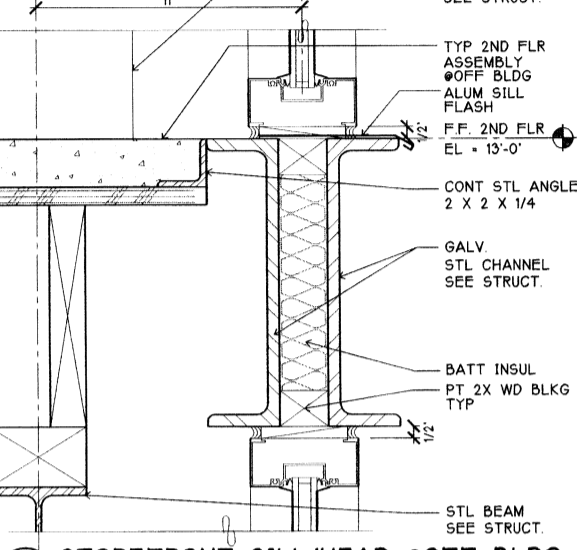
9 STOREFRONT SILL @EXT CONC PAVING 3" x 1'-0"



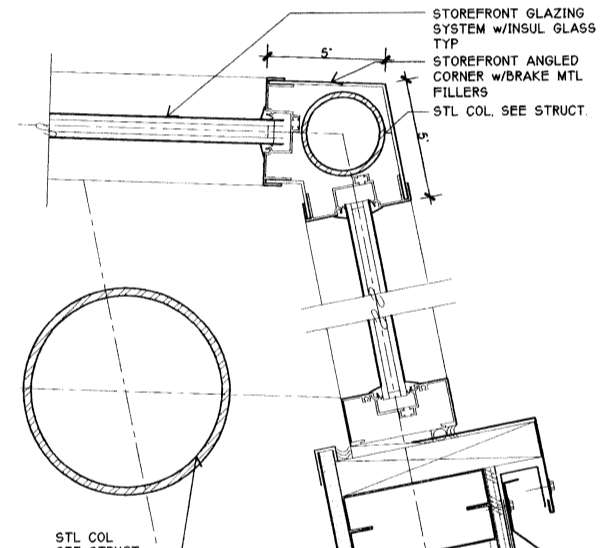
10 EXT WALL/STOREFRONT JAMB DETAIL 3" x 1'-0"



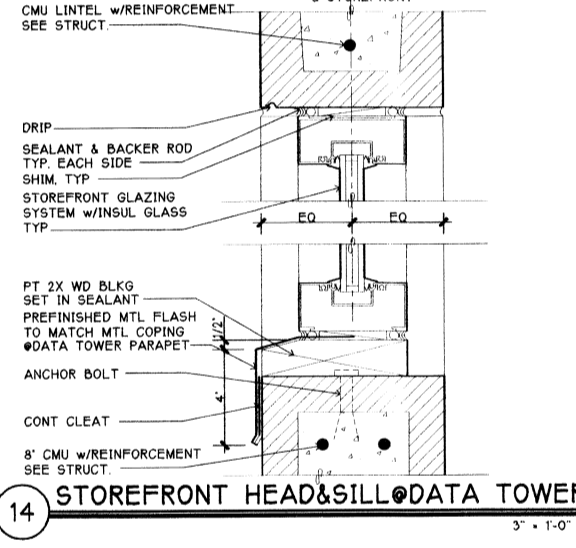
11 STOREFRONT JAMB/EXT WALL DETAIL 3" x 1'-0"



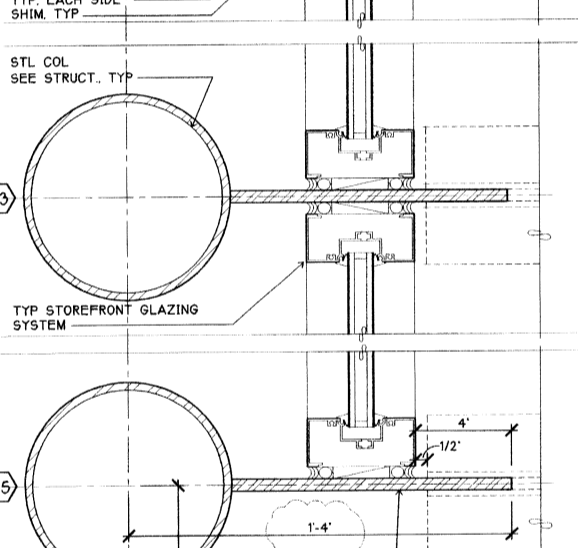
12 STOREFRONT SILL/HEAD @OFF BLDG 3" x 1'-0"  
 NOTE: SEE DETAIL 1/A6.3 FOR TYP NOTES & DIMS.



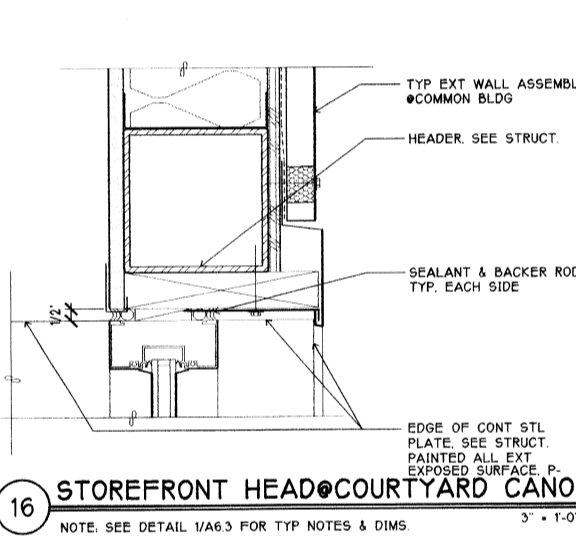
13 STOREFRONT JAMB @ OFF BLDG 3" x 1'-0"  
 NOTE: SEE DETAIL 2/A6.3 FOR TYP NOTES & DIMS.



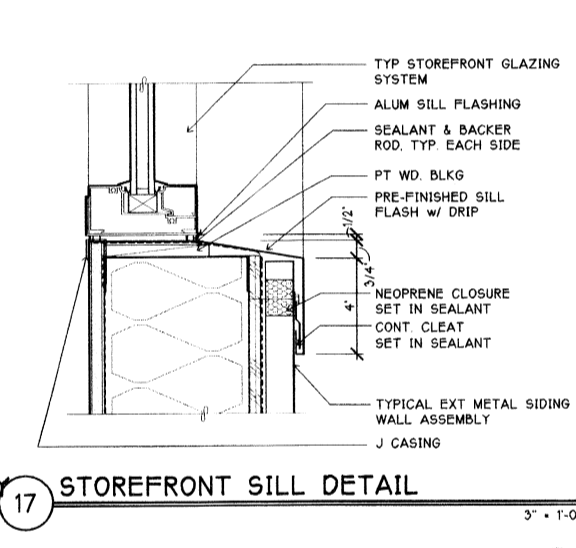
14 STOREFRONT HEAD&SILL @DATA TOWER 3" x 1'-0"



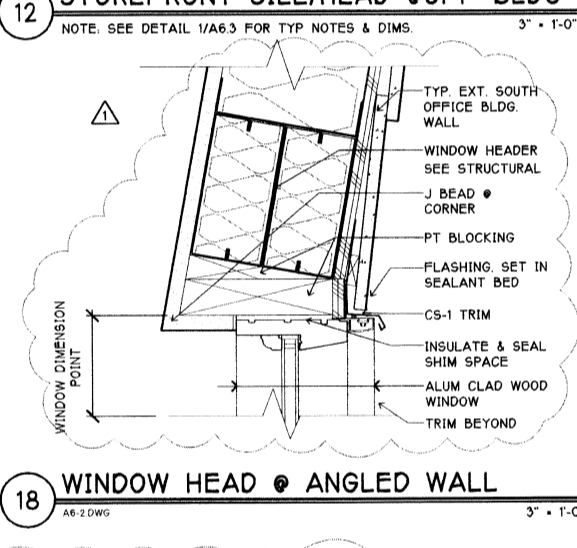
15 STOREFRONT JAMB @ OFF BLDG 3" x 1'-0"



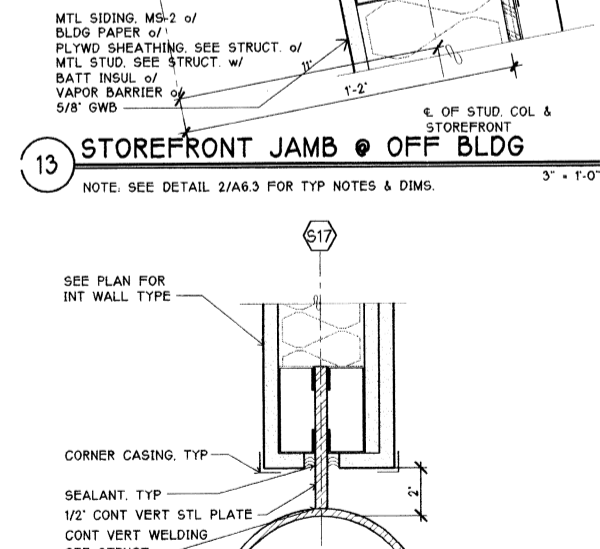
16 STOREFRONT HEAD @COURTYARD CANOPY 3" x 1'-0"  
 NOTE: SEE DETAIL 1/A6.3 FOR TYP NOTES & DIMS.



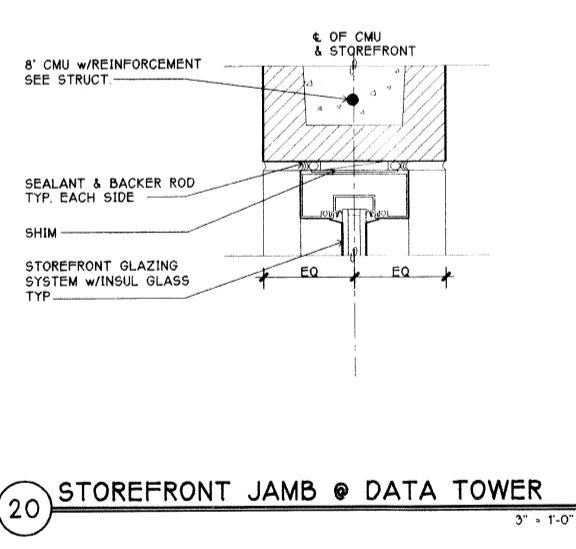
17 STOREFRONT SILL DETAIL 3" x 1'-0"



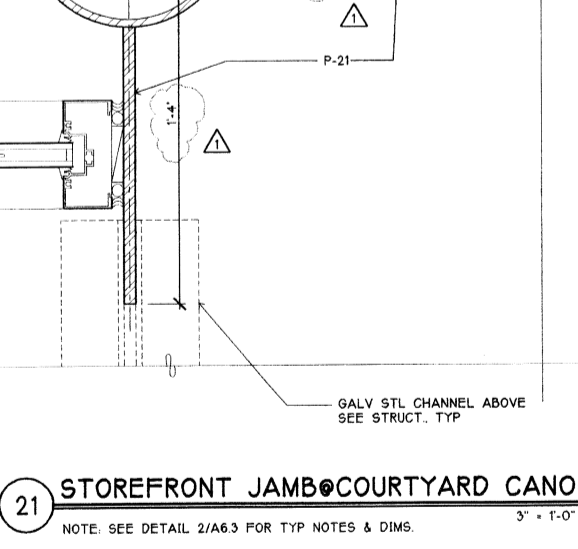
18 WINDOW HEAD @ ANGLED WALL 3" x 1'-0"



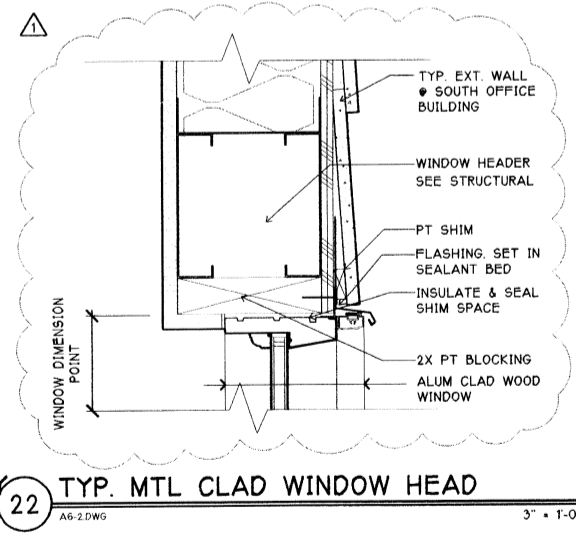
19 STOREFRONT JAMB @ OFF BLDG 3" x 1'-0"



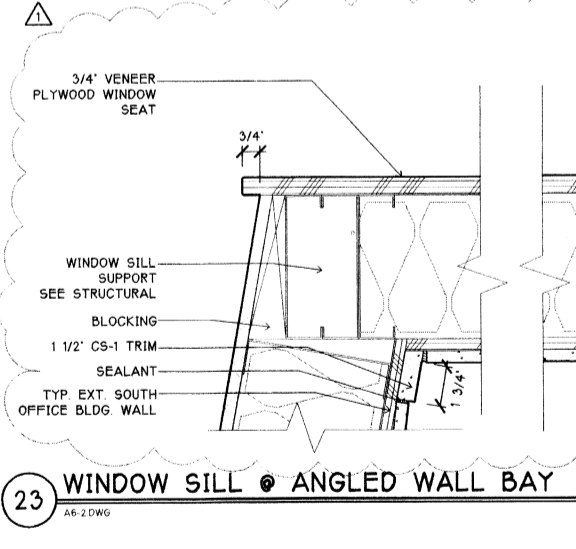
20 STOREFRONT JAMB @ DATA TOWER 3" x 1'-0"



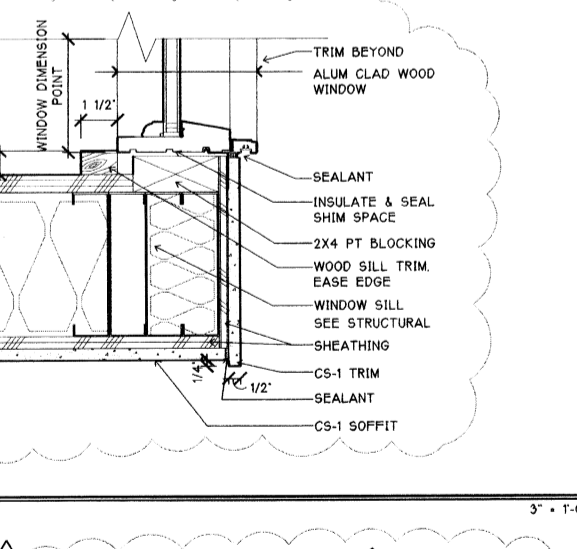
21 STOREFRONT JAMB @COURTYARD CANOPY 3" x 1'-0"  
 NOTE: SEE DETAIL 2/A6.3 FOR TYP NOTES & DIMS.



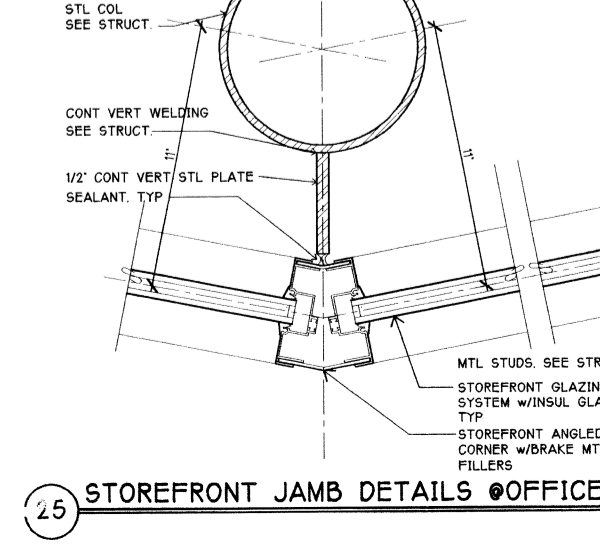
22 TYP. MTL CLAD WINDOW HEAD 3" x 1'-0"



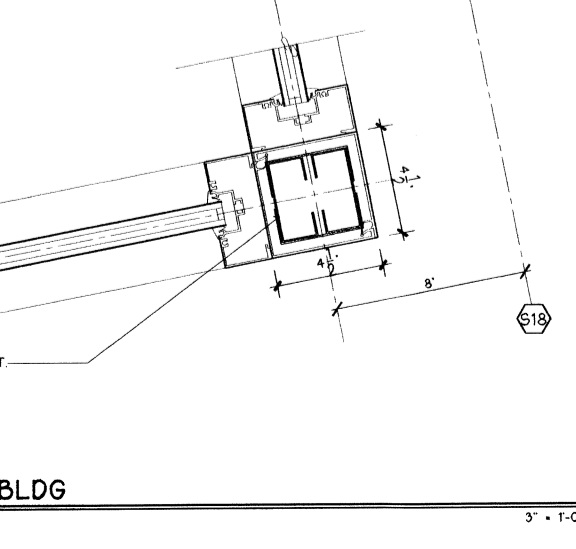
23 WINDOW SILL @ ANGLED WALL BAY 3" x 1'-0"



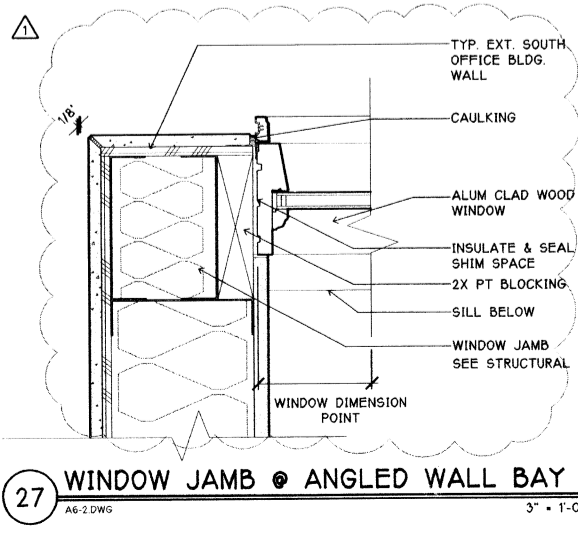
24 WINDOW SILL @ ANGLED WALL BAY 3" x 1'-0"



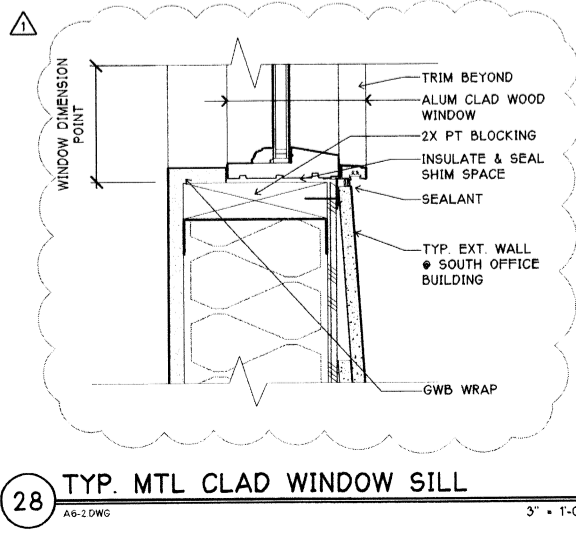
25 STOREFRONT JAMB DETAILS @OFFICE BLDG 3" x 1'-0"



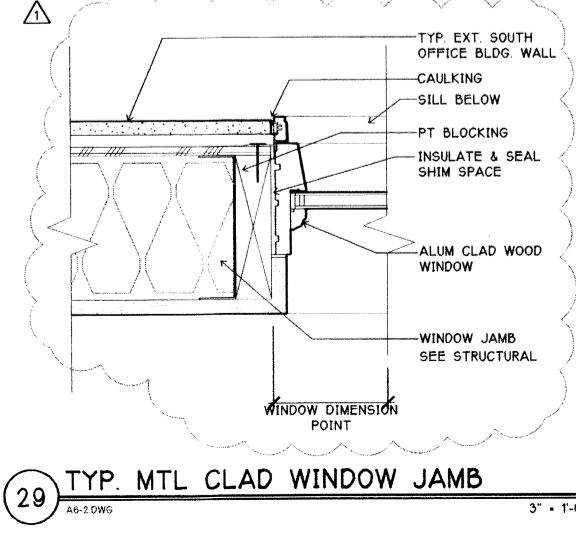
26 STOREFRONT JAMB @ DATA TOWER 3" x 1'-0"



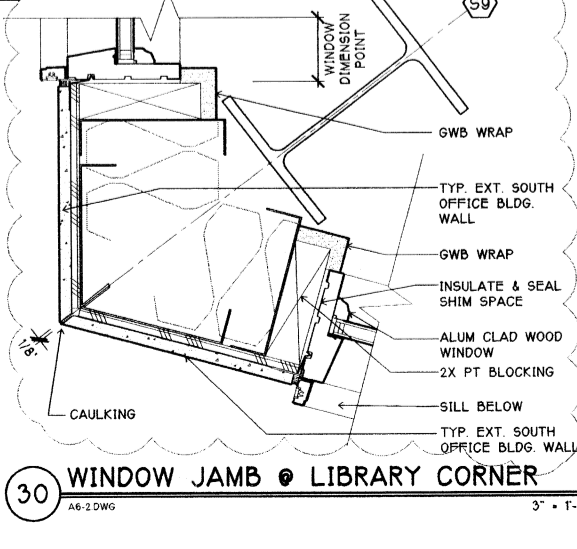
27 WINDOW JAMB @ ANGLED WALL BAY 3" x 1'-0"



28 TYP. MTL CLAD WINDOW SILL 3" x 1'-0"



29 TYP. MTL CLAD WINDOW JAMB 3" x 1'-0"



30 WINDOW JAMB @ LIBRARY CORNER 3" x 1'-0"

DATE	REVISION
5/18/99	CONSTRU. SET

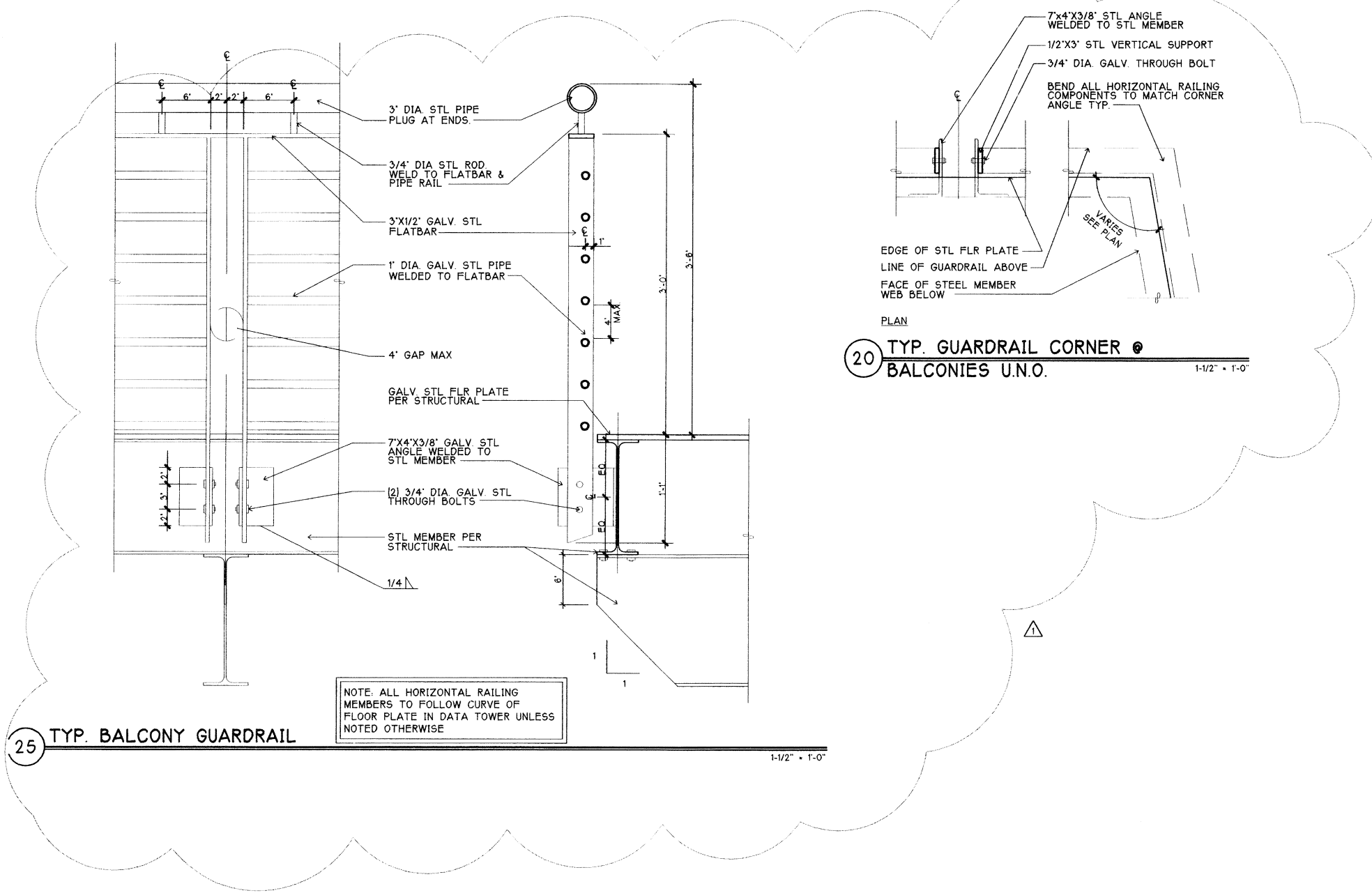
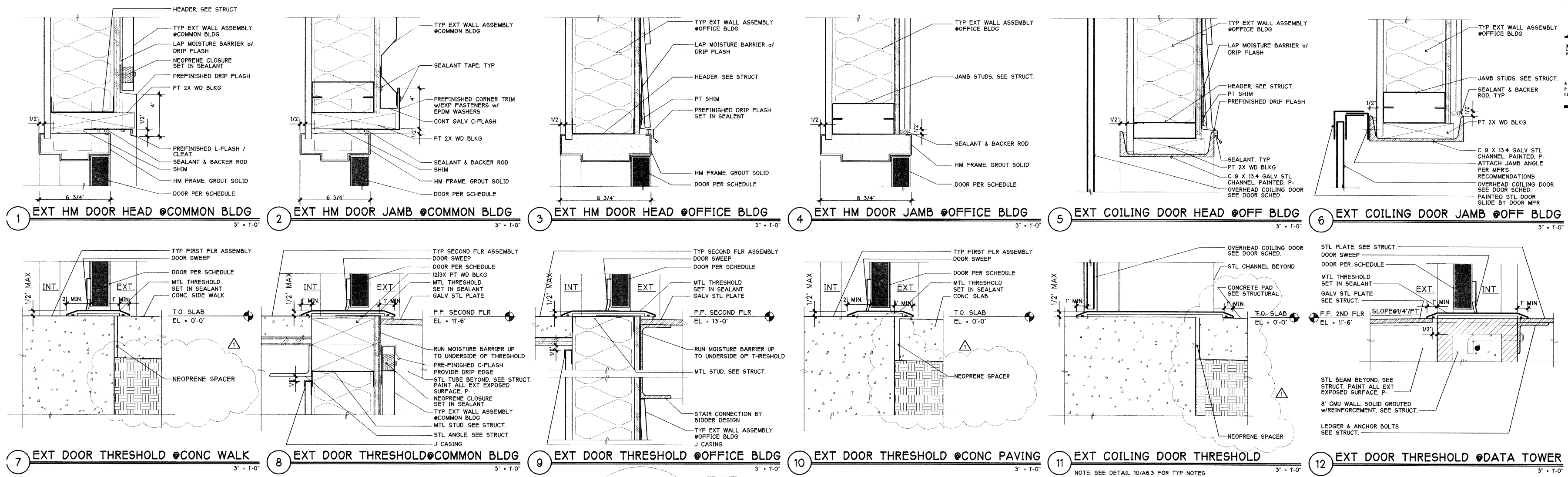
BG  
 PROJECT IN CHARGE  
 RF  
 PROJECT ARCHITECT  
 DAS/DWG  
 PROJECT MANAGER  
 CHH / SKC  
 DRAWN  
 FB  
 CHECK

2029 REGISTERED ARCHITECT  
 THOMAS D. EMBRICH  
 STATE OF WASHINGTON

**WINDOW DETAILS**

08060.05  
 PROJECT NO.  
 MAY 18, 1999  
 DATE  
 E:\198060\CD\A6.2  
 SHEET NUMBER

A6.2 CONSTRUCTION SET



25 TYP. BALCONY GUARDRAIL

NOTE: ALL HORIZONTAL RAILING MEMBERS TO FOLLOW CURVE OF FLOOR PLATE IN DATA TOWER UNLESS NOTED OTHERWISE

SCALE 1/2" = 1'-0"

DATE: 5/18/99  
CONSTR. SET

BG  
RF  
DAS/DWG  
CCH / SKC  
FB

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

EXTERIOR WINDOW & DOOR DETAILS

98060.05  
MAY 18, 1999  
E:\98060\CDIA6.3

A6.3 CONSTRUCTION SET

**M**  
MITHUN  
PARTNERS  
414 OLIVE WAY  
SUITE 500  
SEATTLE, WA 98101  
(206) 467-3344  
FAC (206) 467-3944

**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

SCALE 1/2" = 1'-0"

DATE	5/18/99	CONSTR. SET
BY		
CHECKED BY		
PROJECT MANAGER	DAS/DWG	
PROJECT ARCHITECT	CCH / SKC	
DRAWN	FB	
CHECKED		

2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

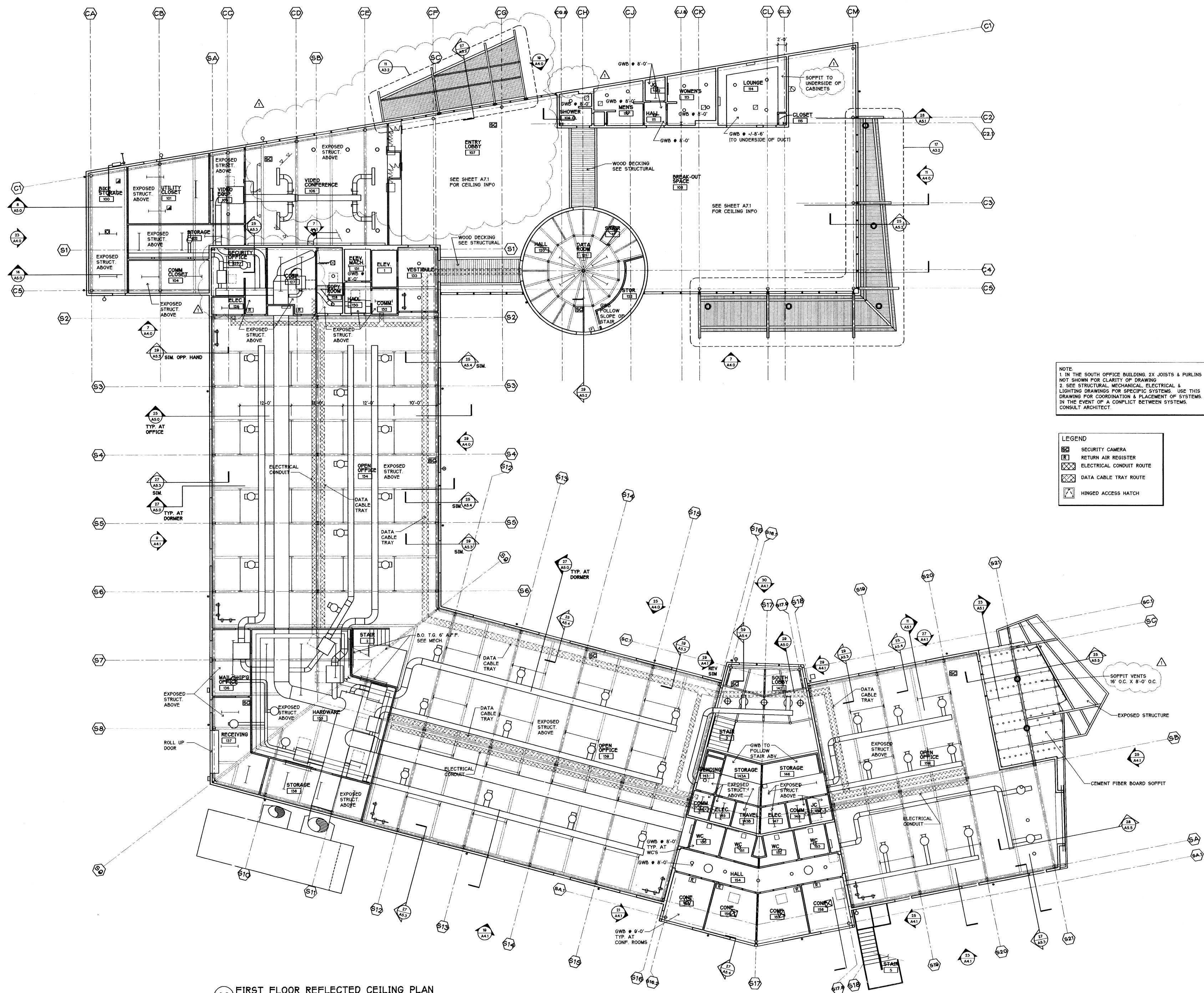
EXTERIOR WINDOW & DOOR DETAILS

98060.05  
MAY 18, 1999  
E:\98060\CDIA6.3

A6.3 CONSTRUCTION SET







NOTE:  
 1. IN THE SOUTH OFFICE BUILDING, 2X JOISTS & PURLINS NOT SHOWN FOR CLARITY OF DRAWING.  
 2. SEE STRUCTURAL, MECHANICAL, ELECTRICAL & LIGHTING DRAWINGS FOR SPECIFIC SYSTEMS. USE THIS DRAWING FOR COORDINATION & PLACEMENT OF SYSTEMS. IN THE EVENT OF A CONFLICT BETWEEN SYSTEMS, CONSULT ARCHITECT.

LEGEND

	SECURITY CAMERA
	RETURN AIR REGISTER
	ELECTRICAL CONDUIT ROUTE
	DATA CABLE TRAY ROUTE
	HINGED ACCESS HATCH



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU SET

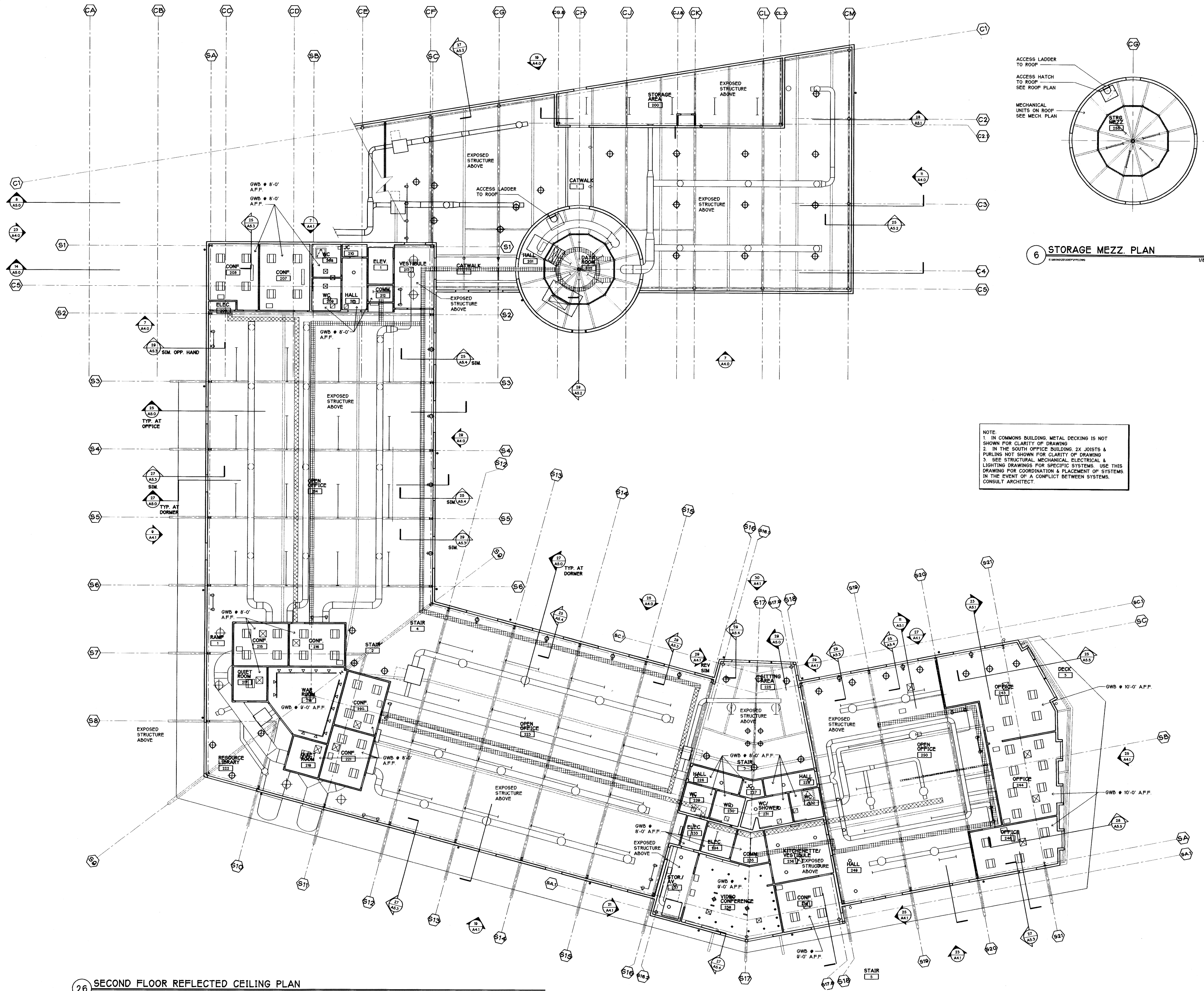
BG	DESIGNED BY
RF	PROJECT ARCHITECT
DAS/DWG	PROJECT ARCHITECT
DAS	DESIGNER
FB	PREPARED BY

2029 REGISTERED ARCHITECT  
 THOMAS D. ENRICH  
 STATE OF WASHINGTON

FIRST FLOOR  
 REFLECTED CEILING PLAN

98060.05  
 MAY 18, 1999  
 E:198060\CDIA7-0

A7.0 CONSTRUCTION SET



6 STORAGE MEZZ. PLAN  
1/8" = 1'-0"

NOTE:  
 1. IN COMMONS BUILDING, METAL DECKING IS NOT SHOWN FOR CLARITY OF DRAWING.  
 2. IN THE SOUTH OFFICE BUILDING, 2X JOISTS & PURLINS NOT SHOWN FOR CLARITY OF DRAWING.  
 3. SEE STRUCTURAL, MECHANICAL, ELECTRICAL & LIGHTING DRAWINGS FOR SPECIFIC SYSTEMS. USE THIS DRAWING FOR COORDINATION & PLACEMENT OF SYSTEMS. IN THE EVENT OF A CONFLICT BETWEEN SYSTEMS, CONSULT ARCHITECT.



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU. SET

BG  
 RF  
 DAS/DWG  
 DAS  
 FB

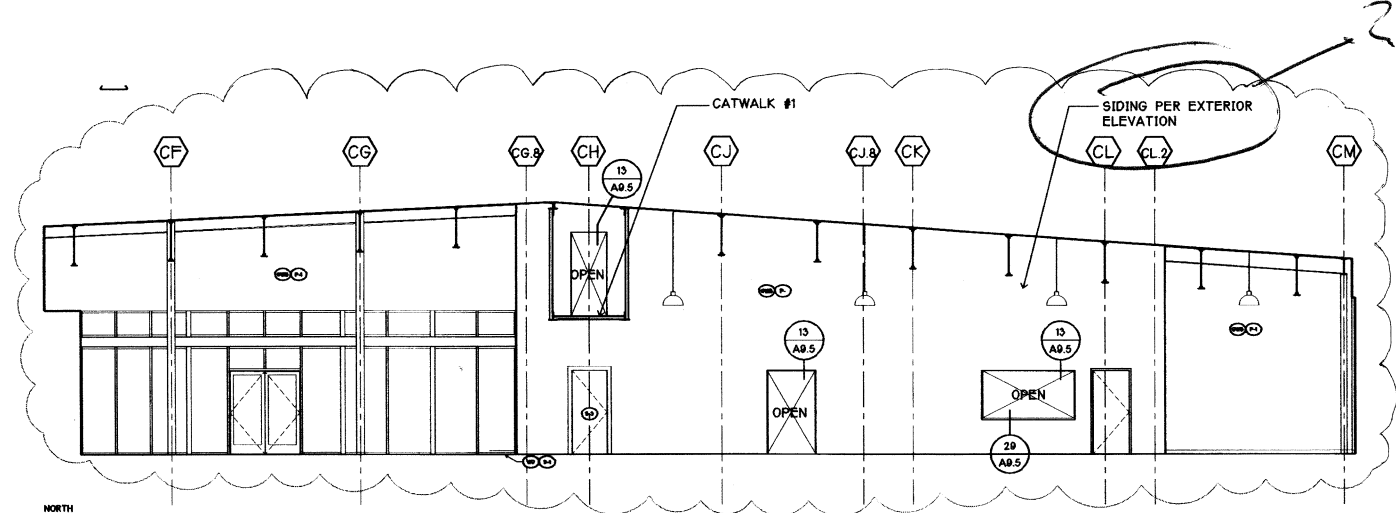
2029 REGISTERED ARCHITECT  
 THOMAS D. KEMRICH  
 STATE OF WASHINGTON

SECOND FLOOR  
 REFLECTED CEILING PLAN

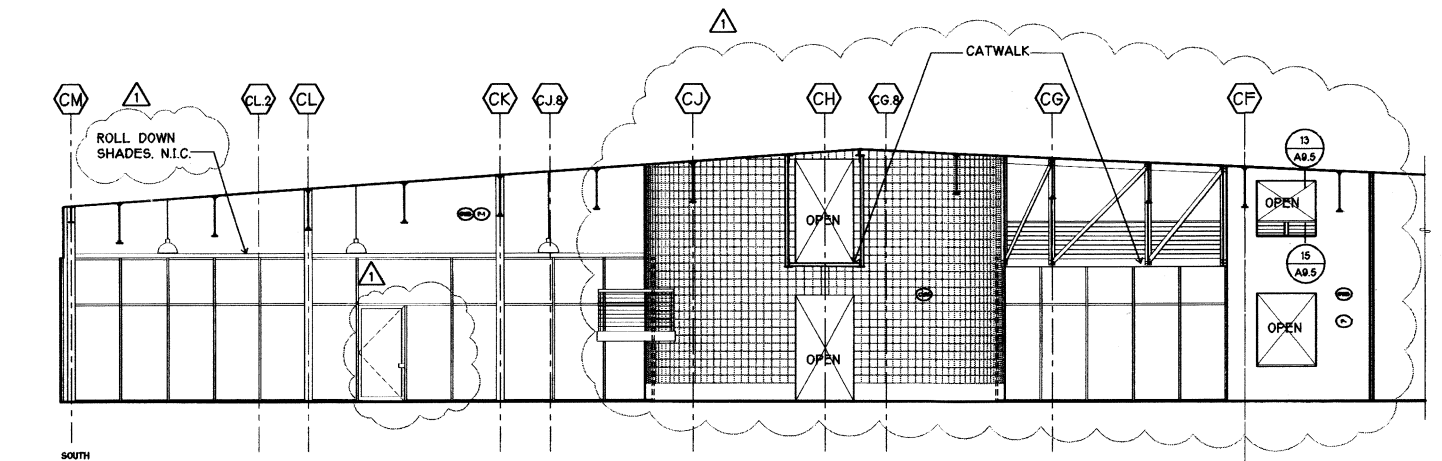
98060.05  
 MAY 18, 1999  
 E:\98060\CD\A7-1

A7.1 CONSTRUCTION SET

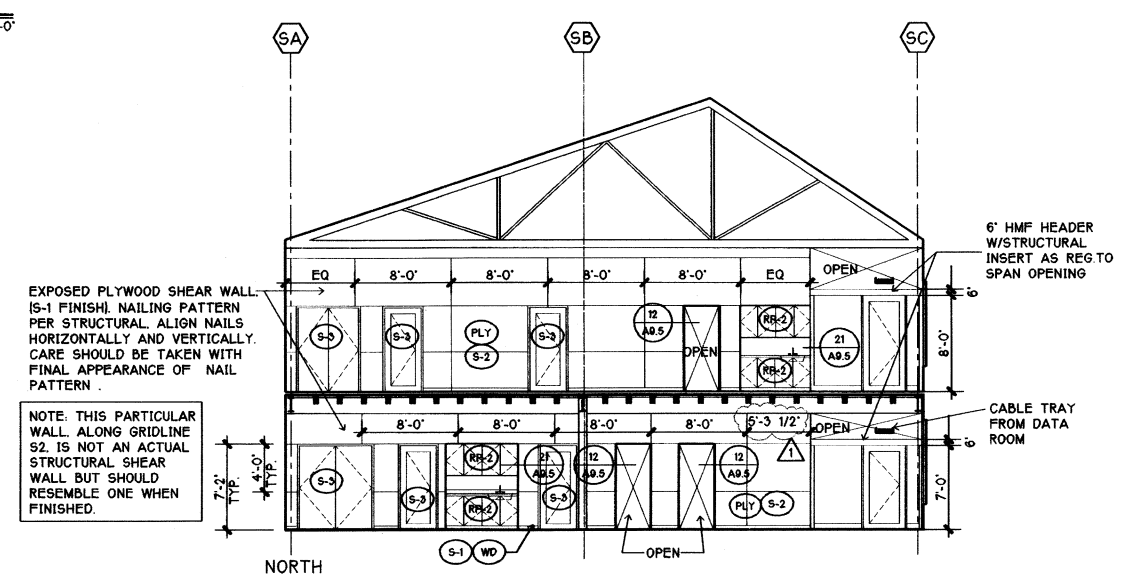
26 SECOND FLOOR REFLECTED CEILING PLAN  
 1/8" = 1'-0"



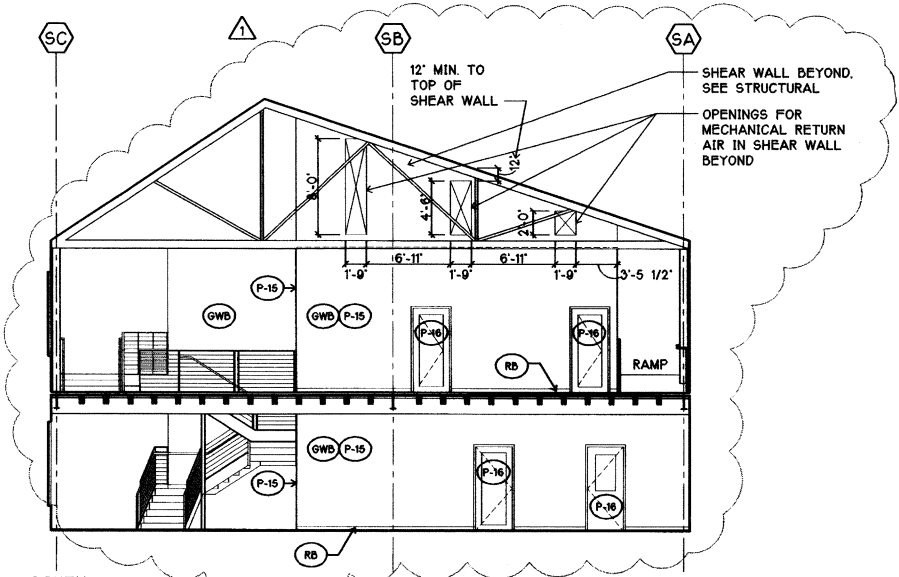
1 ENTRY LOBBY & BREAK-OUT SPACE 1/8" = 1'-0"



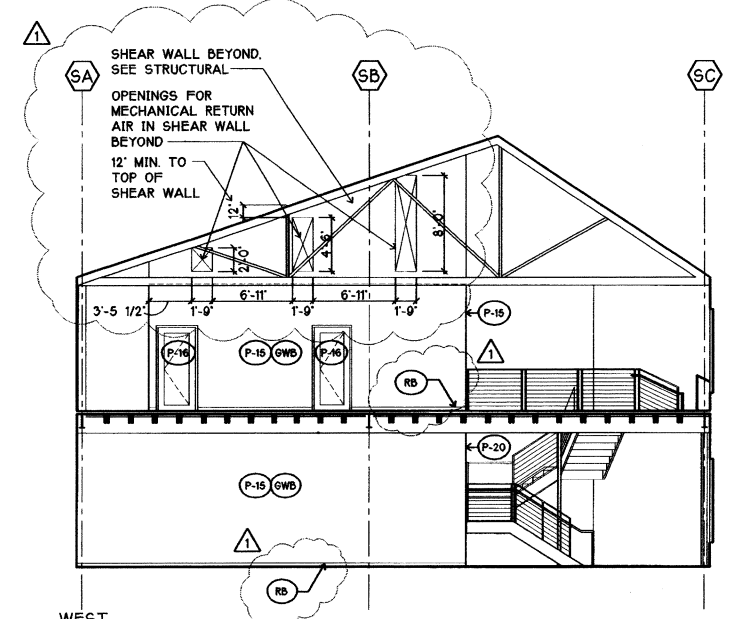
2 ENTRY LOBBY & BREAK-OUT SPACE 1/8" = 1'-0"



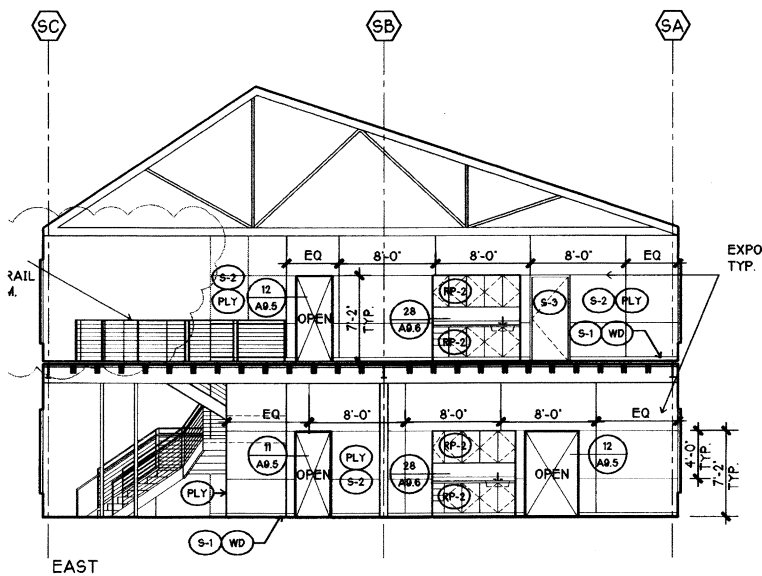
3 OPEN OFFICE 134 / 214 1/8" = 1'-0"



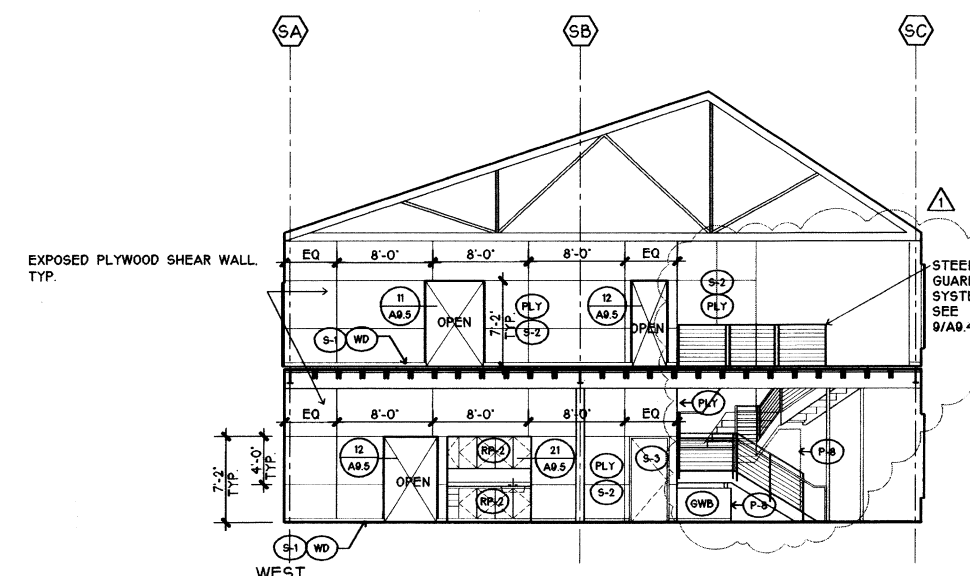
4 OPEN OFFICE 134 / 214 1/8" = 1'-0"



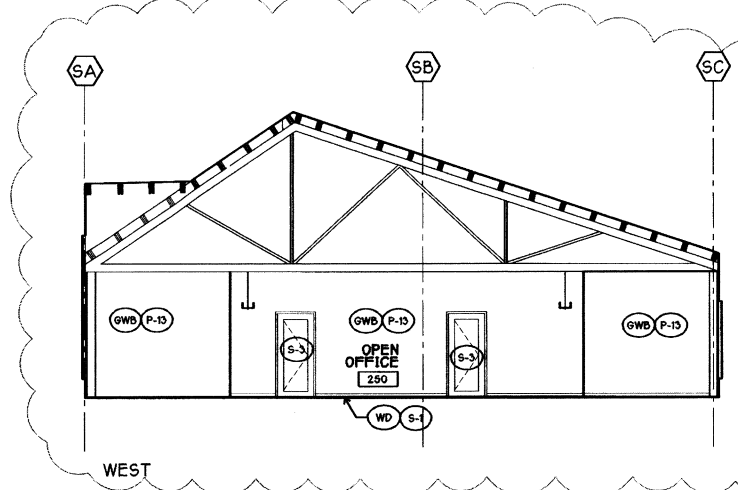
5 OPEN OFFICE 139 / 223 1/8" = 1'-0"



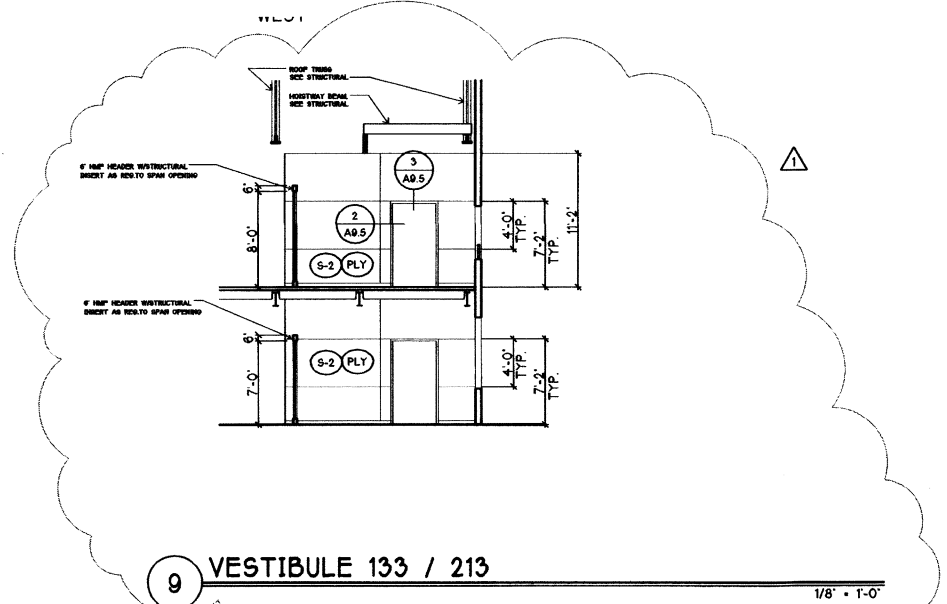
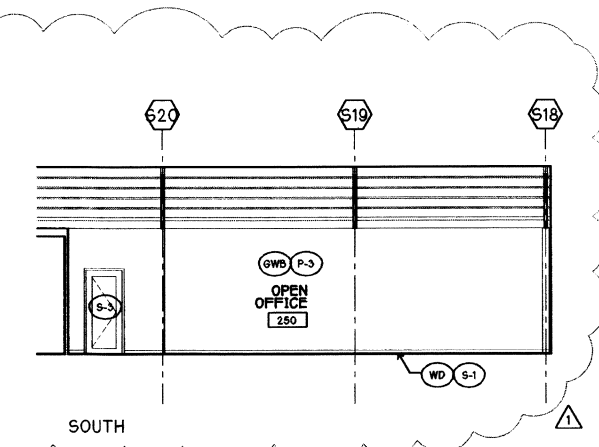
6 OPEN OFFICE 139 / 223 1/8" = 1'-0"



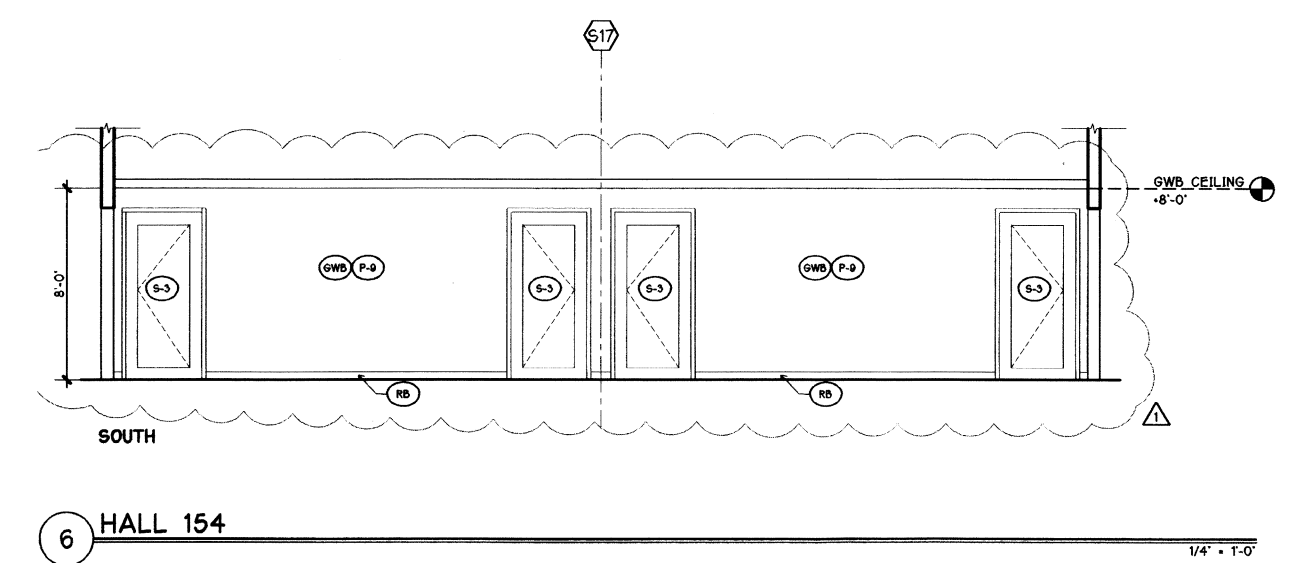
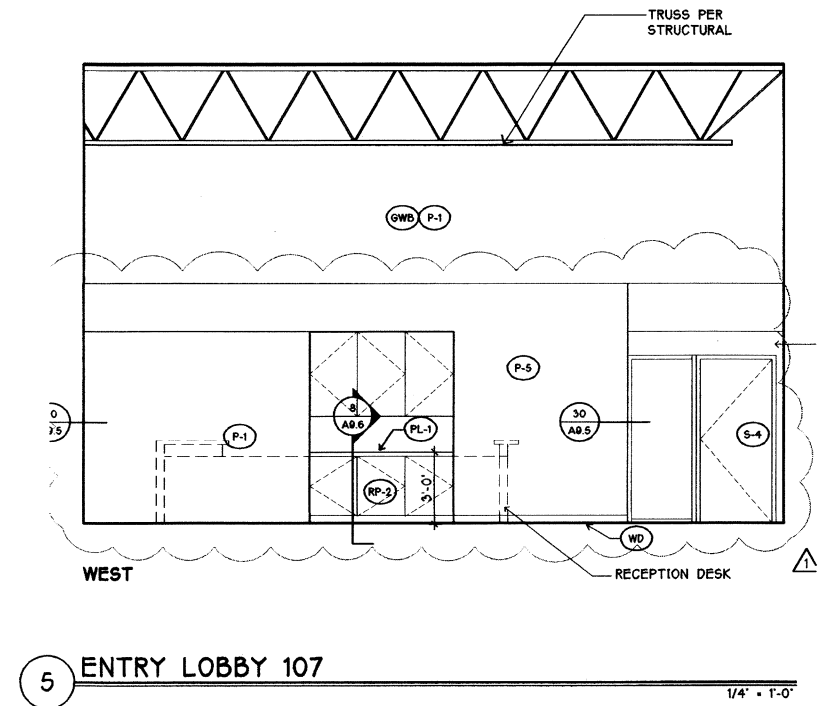
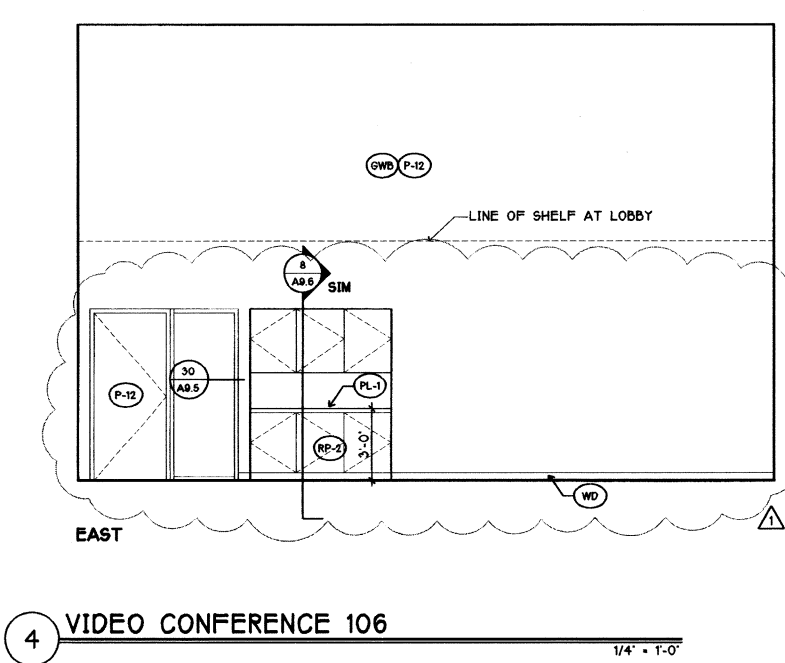
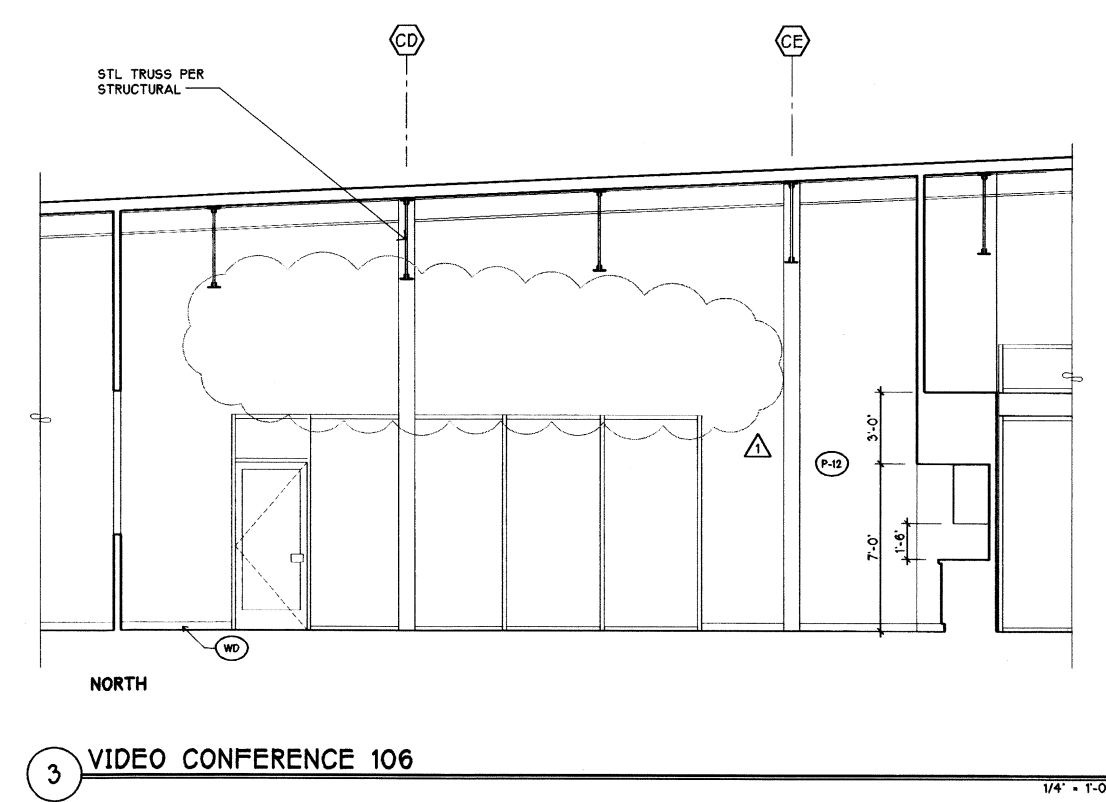
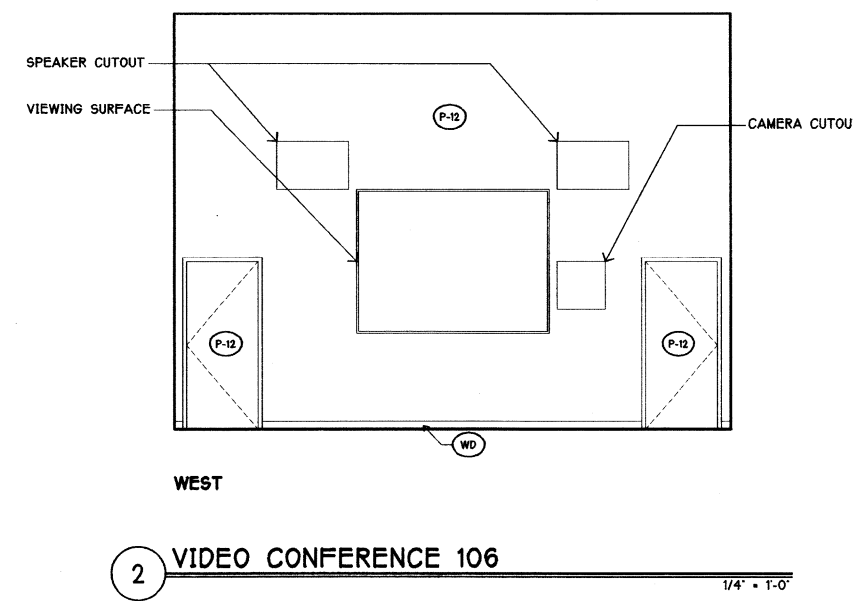
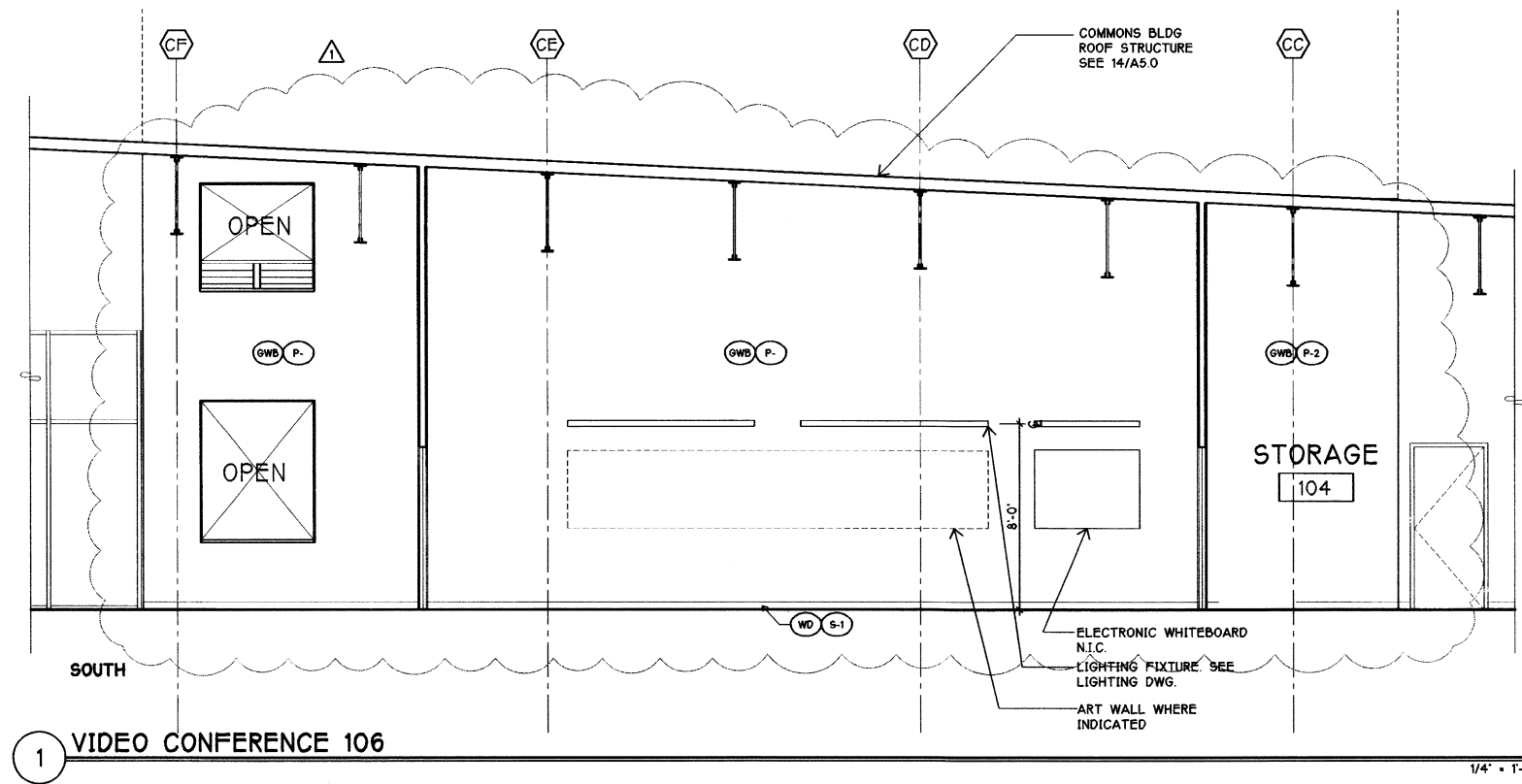
7 OPEN OFFICE 159 / 250 1/8" = 1'-0"



8 OPEN OFFICE 250 1/8" = 1'-0"



9 VESTIBULE 133 / 213 1/8" = 1'-0"



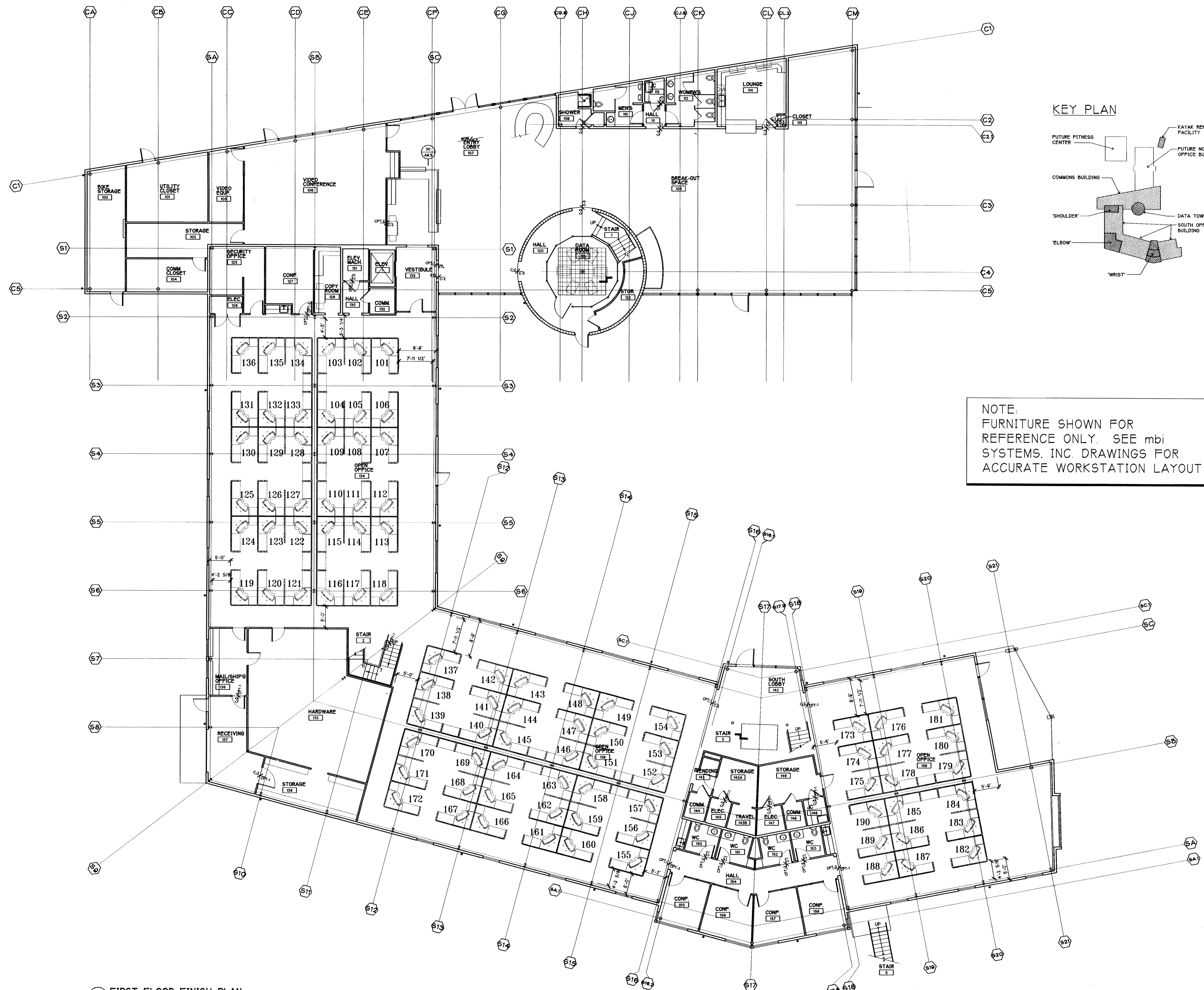
SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU SET

BG  
 PRINCE OF CHARGE  
 RF  
 PROJECT MANAGER  
 DAS/DWG  
 PROJECT ARCHITECT  
 KT/SC/MS  
 FB  
 DESIGNED

2029 REGISTERED ARCHITECT  
 THOMAS D. EMRICH  
 STATE OF WASHINGTON

INTERIOR ELEVATIONS  
 98060.00  
 MAY 12, 1999  
 E:\98060\CD\LAB-0.DWG

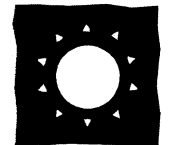
A8.1 CONSTRUCTION SET



NOTE:  
 FURNITURE SHOWN FOR  
 REFERENCE ONLY. SEE mbi  
 SYSTEMS, INC. DRAWINGS FOR  
 ACCURATE WORKSTATION LAYOUT



**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON



SCALE 1/8"=1'-0"  
 DATE 2/22/99 PERMIT  
 5/18/99 CONSTR. SET

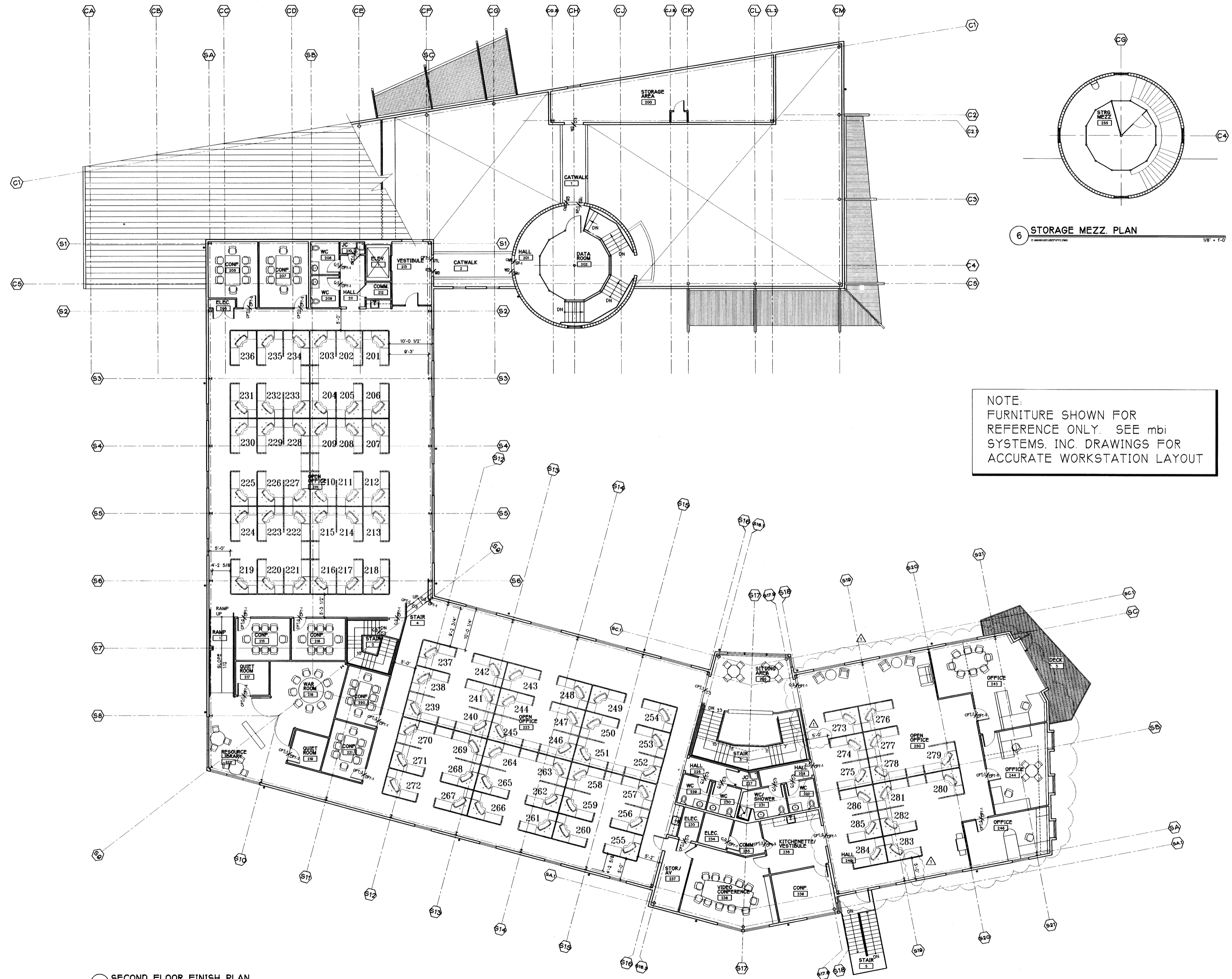
BG  
 RF  
 DAS/DWG  
 DAS/ MS  
 FB  
 DEB

2029 REGISTERED ARCHITECT  
 THOMAS D. EMRICH  
 STATE OF WASHINGTON

FIRST FLOOR  
 FINISH PLAN

08060.05  
 PROJECT NO.  
 MAY 18, 1999  
 E:\08060\DD\A9-0  
 COMPUTER FILE NAME

A9.0 CONSTRUCTION SET



6 STORAGE MEZZ. PLAN  
1/8" = 1'-0"

NOTE:  
FURNITURE SHOWN FOR  
REFERENCE ONLY. SEE mbi  
SYSTEMS, INC. DRAWINGS FOR  
ACCURATE WORKSTATION LAYOUT



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 2/22/99 PERMIT  
 5/18/99 CONSTR. SET

BG  
 RF  
 DAS/DWG  
 DAS/MS  
 FB  
 CBY

2029 REGISTERED ARCHITECT  
 THOMAS D. EMPEICH  
 STATE OF WASHINGTON

SECOND FLOOR  
 FINISH PLAN

98060.05  
 MAY 18, 1999  
 E:\98060\DD\A9-1

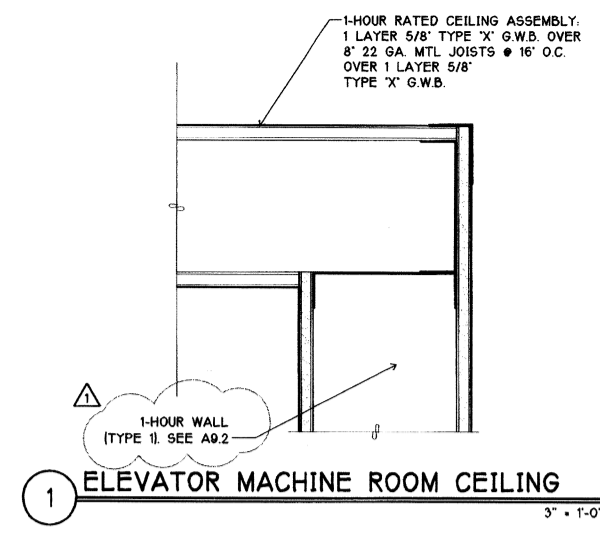
A9.1 CONSTRUCTION SET



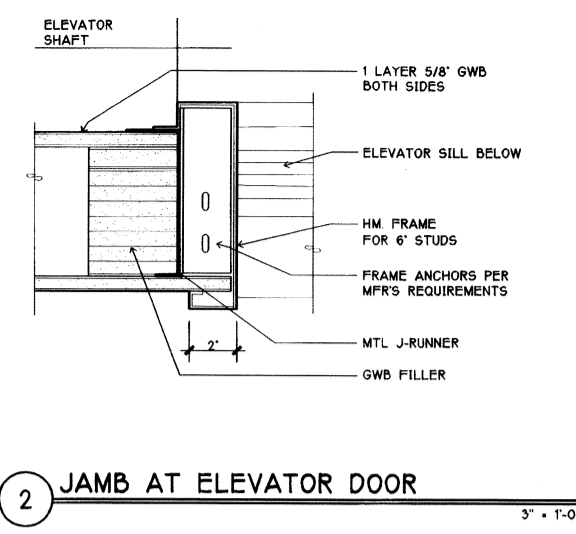




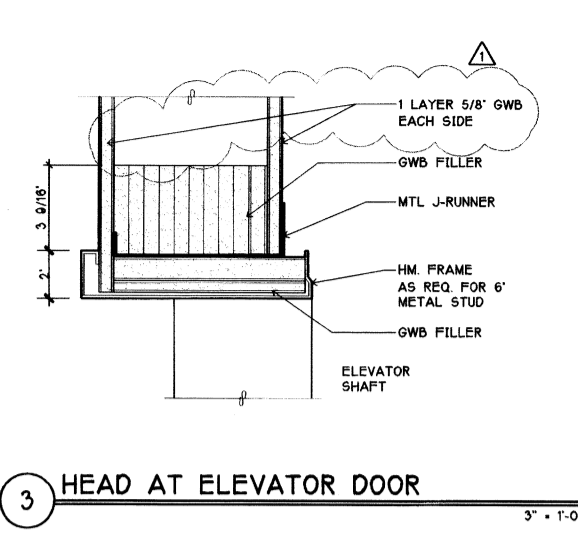




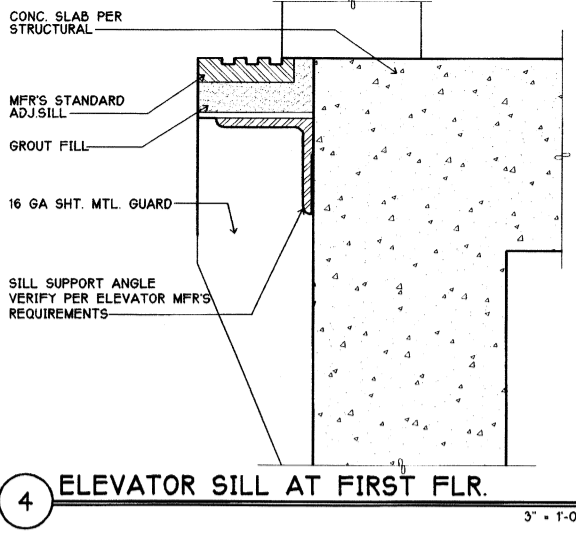
1 ELEVATOR MACHINE ROOM CEILING 3' - 1'-0"



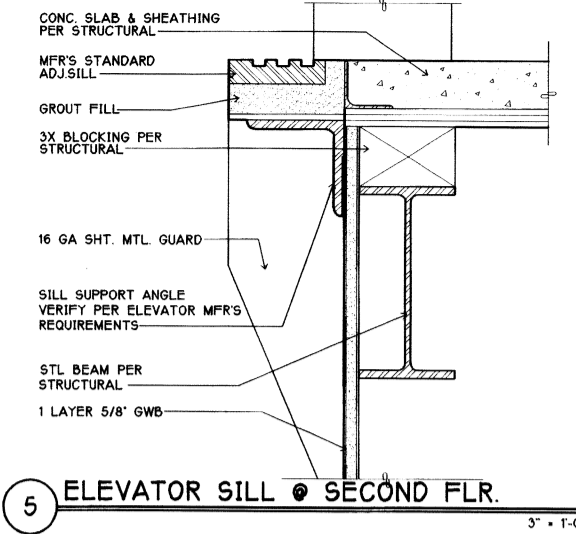
2 JAMB AT ELEVATOR DOOR 3' - 1'-0"



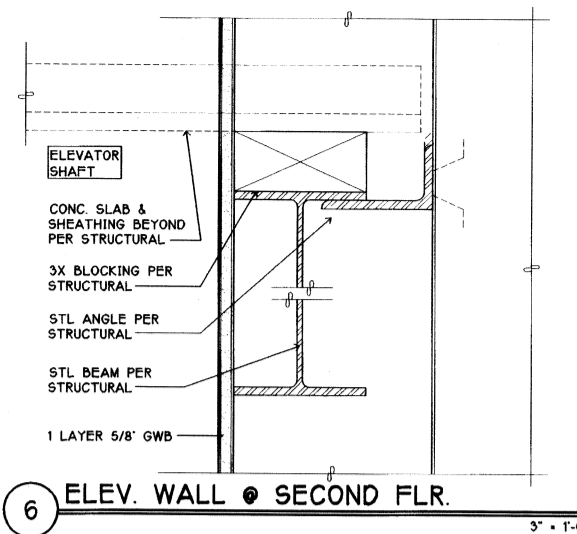
3 HEAD AT ELEVATOR DOOR 3' - 1'-0"



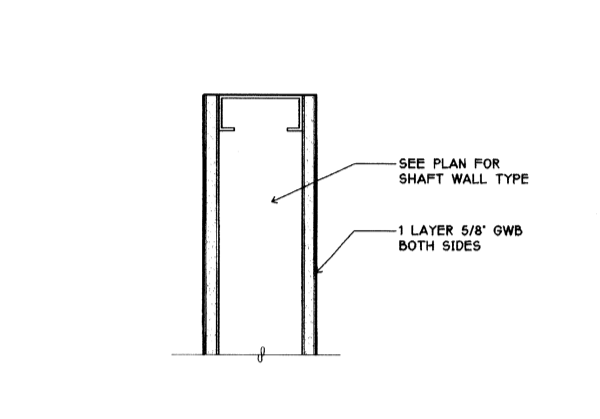
4 ELEVATOR SILL AT FIRST FLR. 3' - 1'-0"



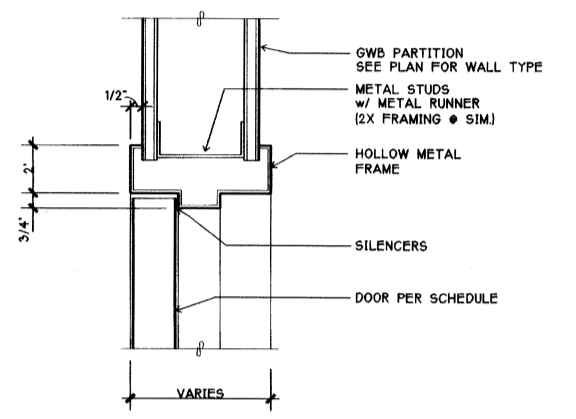
5 ELEVATOR SILL SECOND FLR. 3' - 1'-0"



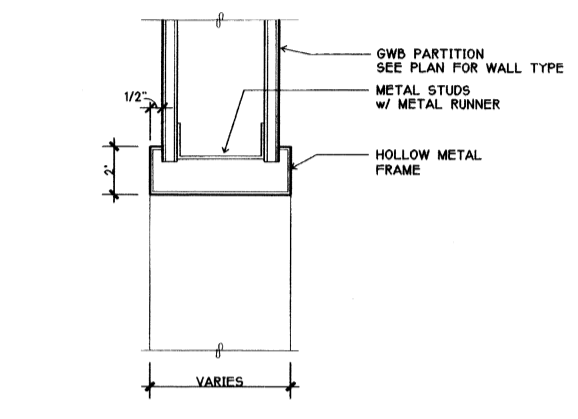
6 ELEV. WALL SECOND FLR. 3' - 1'-0"



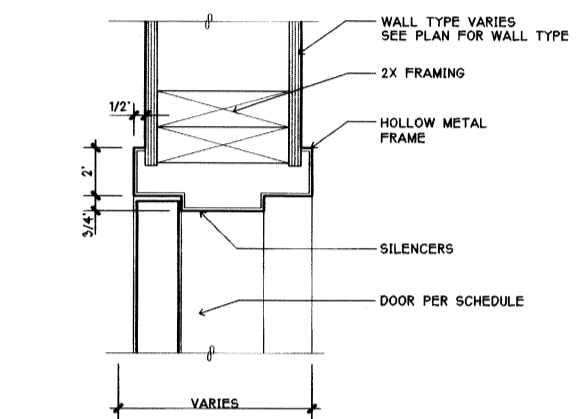
7 TOP OF ELEV. SHAFT WALL 3' - 1'-0"



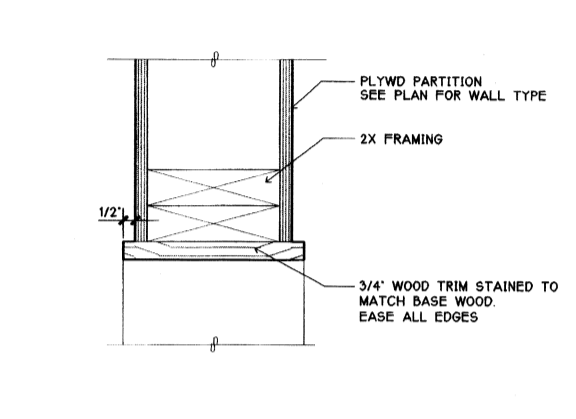
8 HEAD DETAIL GWB WALL/JAMB SIM. 3' - 1'-0"



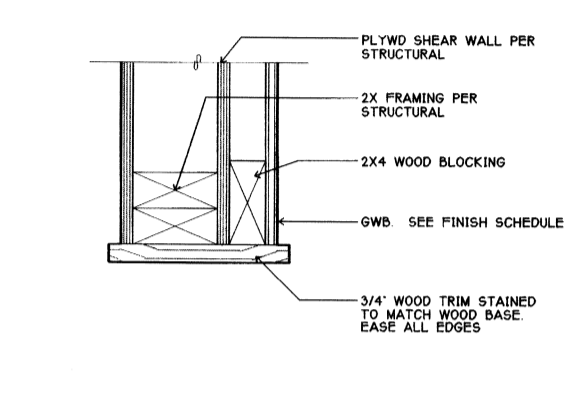
9 HEAD CASED OPENING/JAMB SIM. 3' - 1'-0"



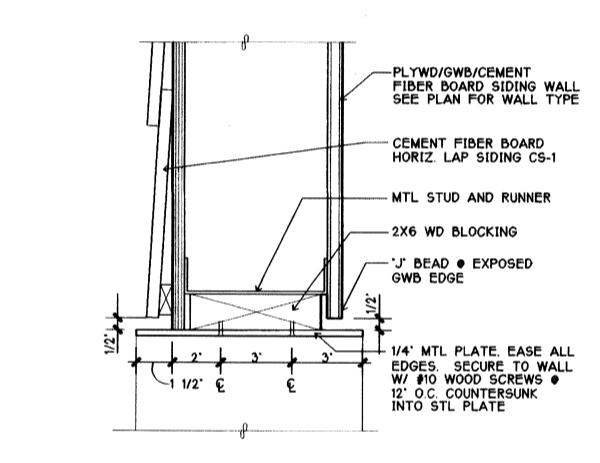
10 HEAD DETAIL PLYWD WALL JAMB SIM. 3' - 1'-0"



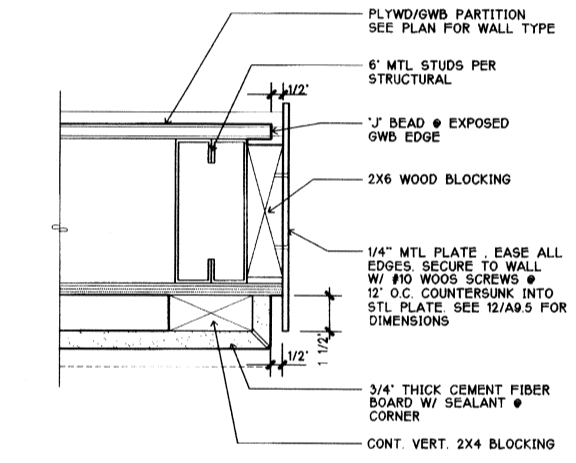
11 HEAD OPENING OF PLYWD WALL JAMB SIM. 3' - 1'-0"



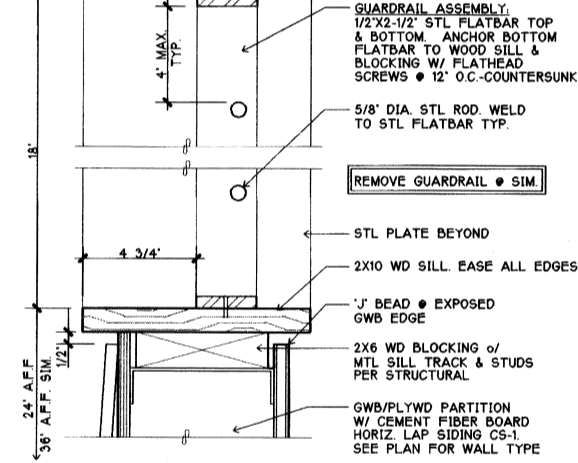
12 JAMB FURRED PLYWD WALL 3' - 1'-0"



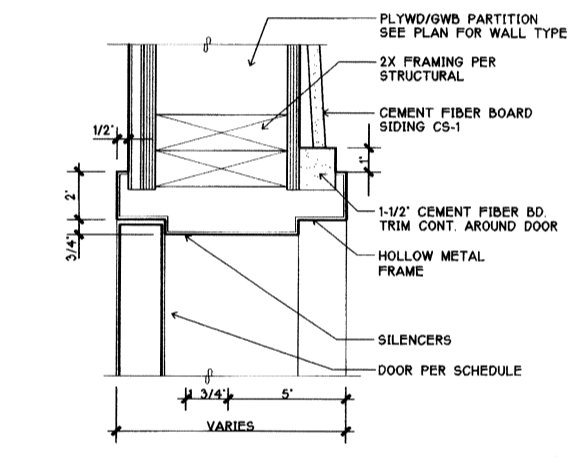
13 HEAD OPENING IN CFB WALL JAMB SIM. 3' - 1'-0"



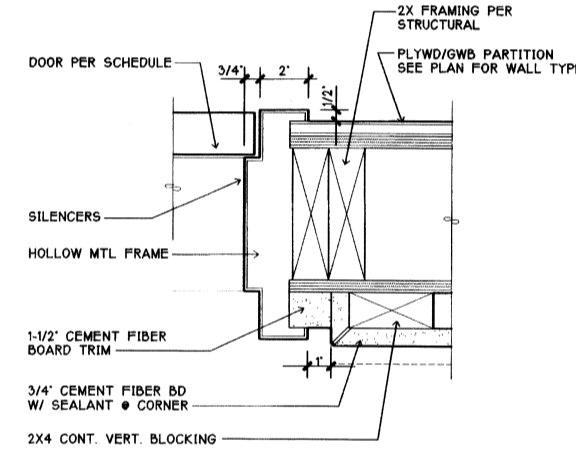
14 JAMB OF OPENING CFB WALL BELOW WATER TABLE 3' - 1'-0"



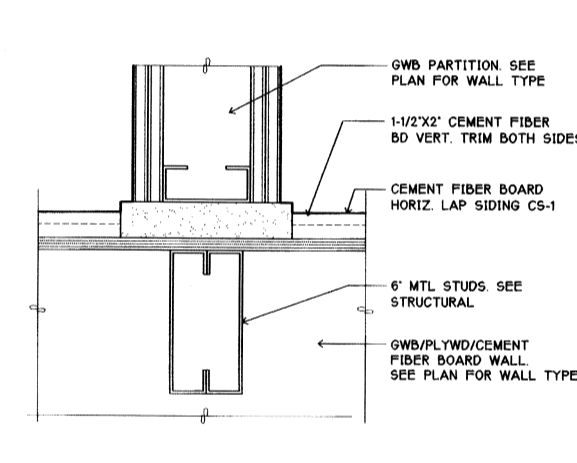
15 SILL 2ND FLR OPENING IN CFB WALL SIM. FIRST FLR. OPENING 3' - 1'-0"



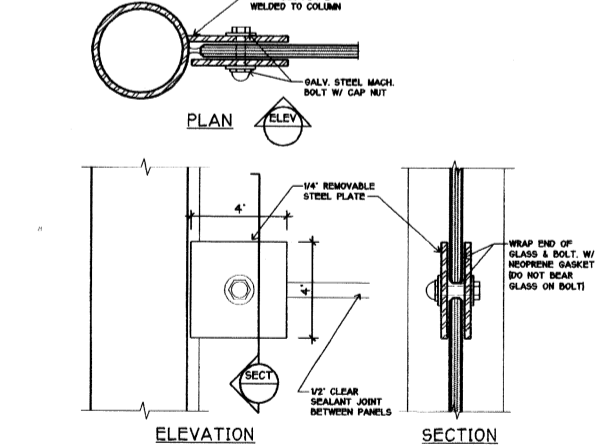
16 HEAD CEMENT FIBER BOARD WALL JAMB SIM. 3' - 1'-0"



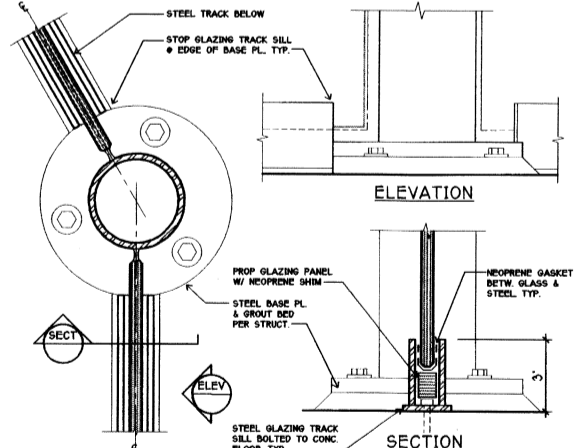
17 JAMB BELOW WATER TABLE 3' - 1'-0"



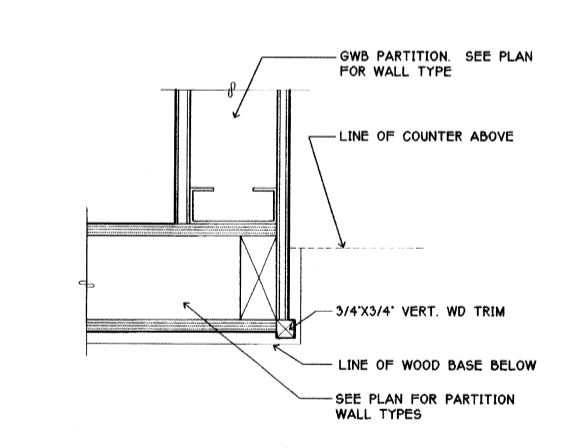
18 INTERSECTION OF GWB & CFB WALL 3' - 1'-0"



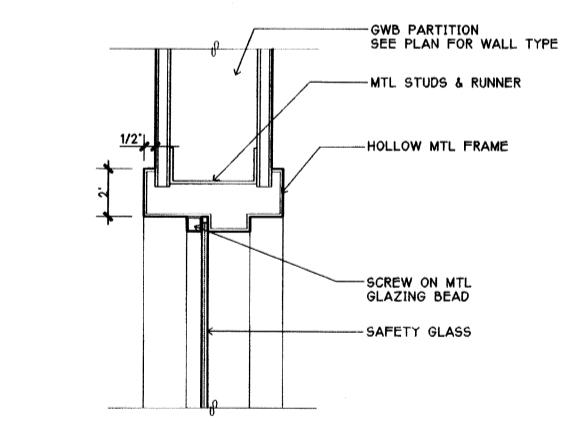
19 STL. SPLICE TAB DATA RM. GLAZ. 3' - 1'-0"



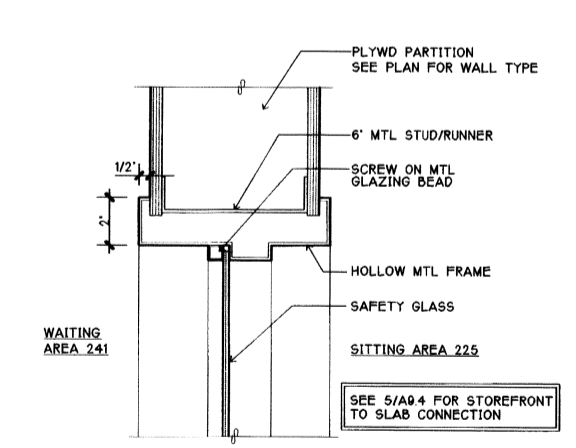
20 SILL 1ST FL. DATA RM. GLAZ. 3' - 1'-0"



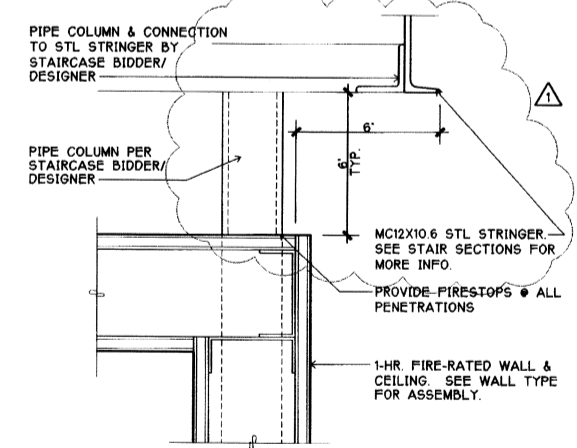
21 CORNER COFFEE STATION TYP. SIM. HEAD 3' - 1'-0"



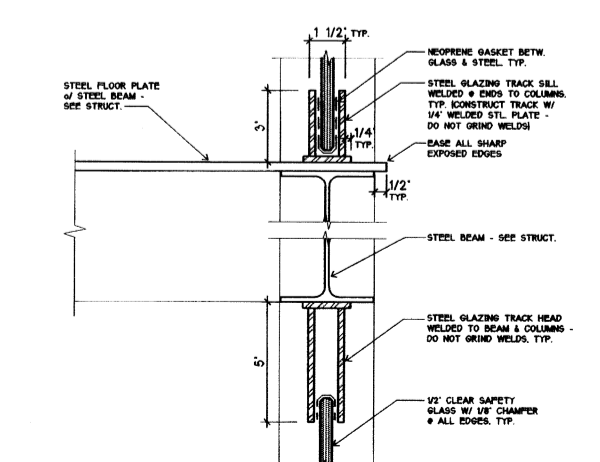
22 HEAD CONFERENCE RM WINDOW 3' - 1'-0"



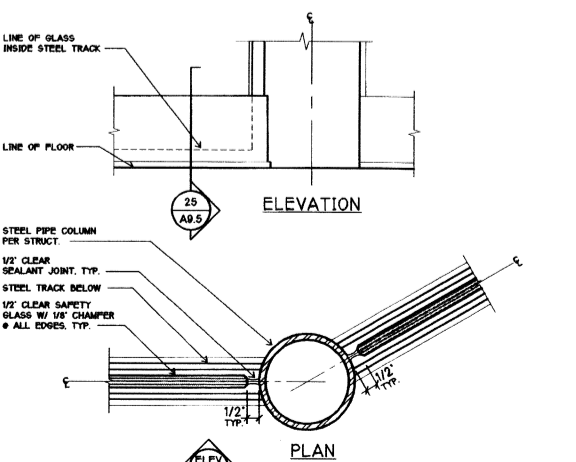
23 HEAD 2ND FLR STOREFRONT TO WAITING AREA 241 (JAMB SIM.) 3' - 1'-0"



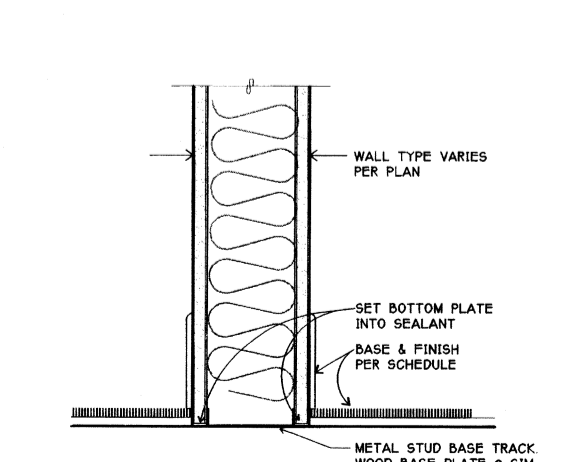
24 STORAGE UNDER STAIR 3 3' - 1'-0"



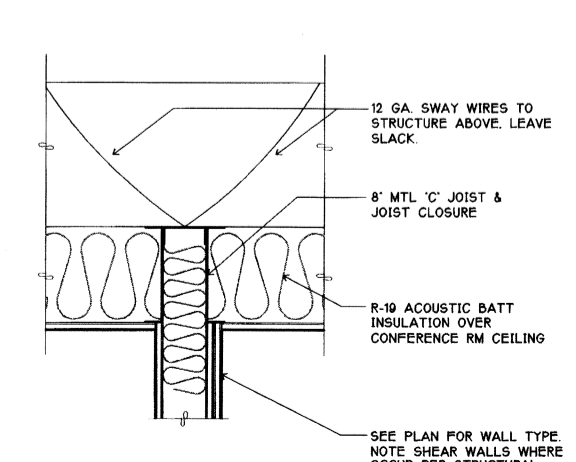
25 TYP. HEAD & SILL DATA RM. GLAZ. 3' - 1'-0"



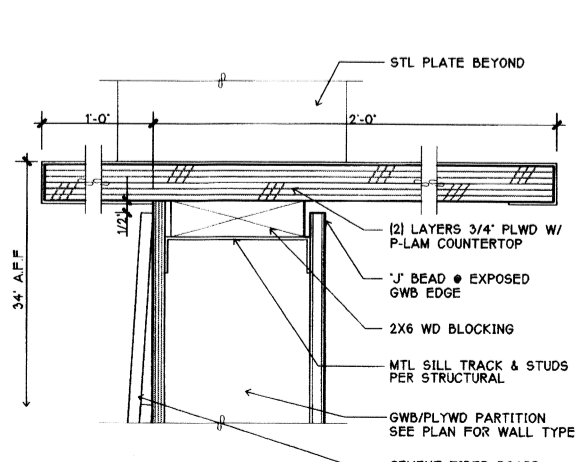
26 TYP. JAMB DATA RM. GLAZ. 3' - 1'-0"



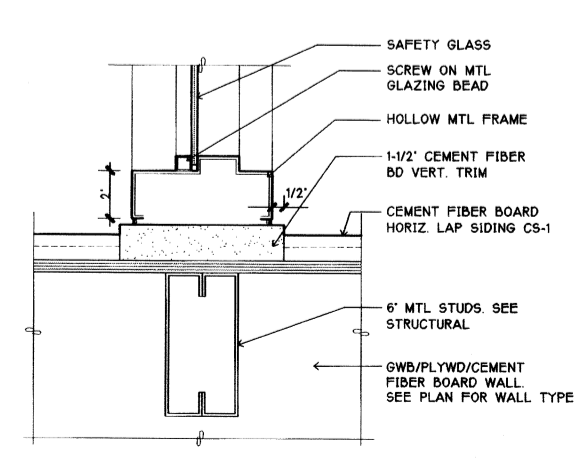
27 MTL STUD PARTITION BASE DETAIL WOOD STUD WALL SIM. 1 1/2' - 1'-0"



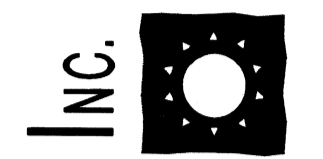
28 PARTITION HEAD CONFERENCE RM. 1 1/2' - 1'-0"



29 COUNTERTOP LOUNGE 114 3' - 1'-0"



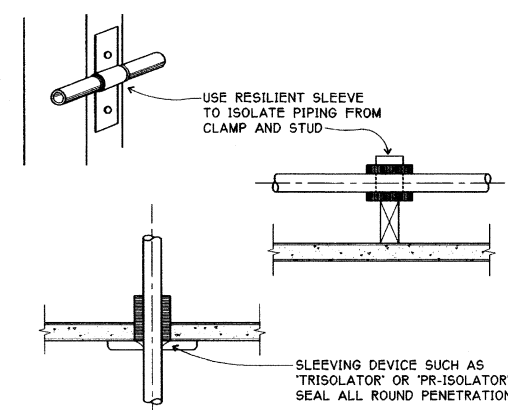
30 INTERSECTION OF WINDOW CFB WALL 3' - 1'-0"



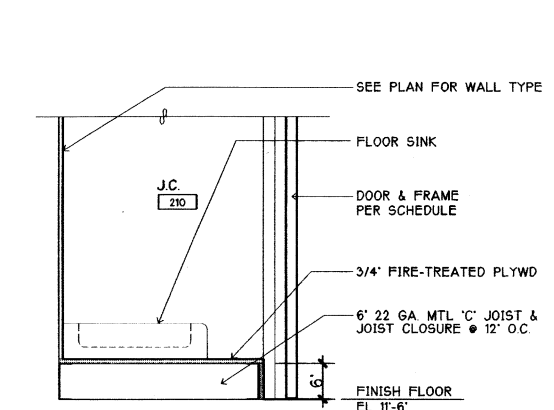
DATE: 5/18/99 DESIGNER: CONSTRU. SET  
DESIGNED BY: THOMAS D. EMRICH  
DESIGNER: STATE OF WASHINGTON  
PROJECT NO: 98060.05  
PROJECT NAME: FIBER BOARD WALL  
DATE: MAY 18, 1999  
DRAWING NO: E198060CD1A9-5  
CONVERT FILE NAME: FB

2029 REGISTERED ARCHITECT  
THOMAS D. EMRICH  
STATE OF WASHINGTON

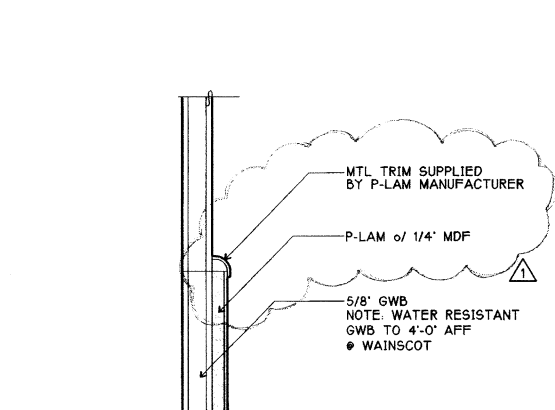
**INTERIOR DETAILS**  
98060.05  
PROJECT NO.  
MAY 18, 1999  
DATE  
E198060CD1A9-5  
CONVERT FILE NAME



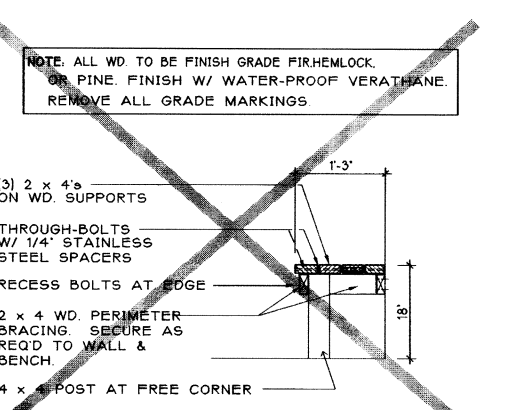
1 DETAIL OF PENETRATIONS AND ANCHOR POINTS FOR CONTROL OF PLUMBING NOISE  
NTS



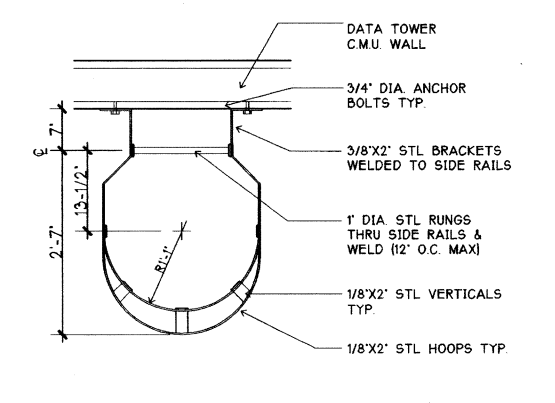
3 SECTION THRU J.C. 210  
3/4" • 1'-0"



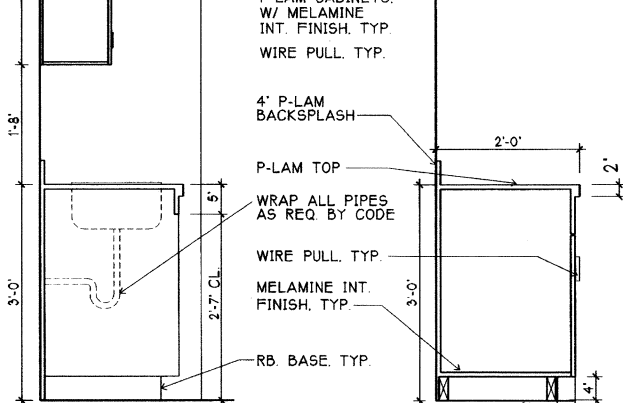
4 P-LAM TRIM @ WC WALLS  
HALF SIZE



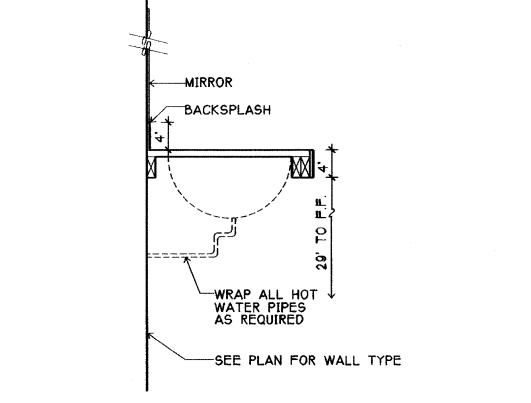
6 BENCH-SECTION - SHOWER  
3/4" • 1'-0"



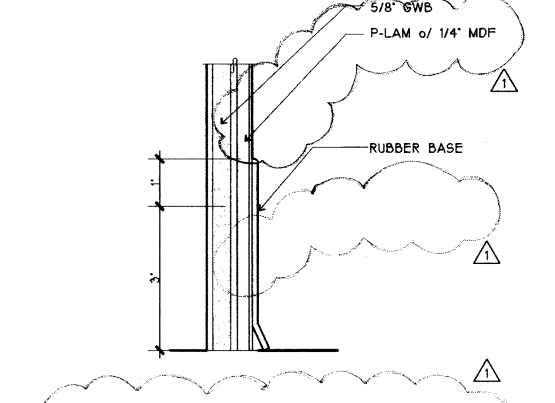
7 ACCESS LADDER - PLAN  
3/4" • 1'-0"



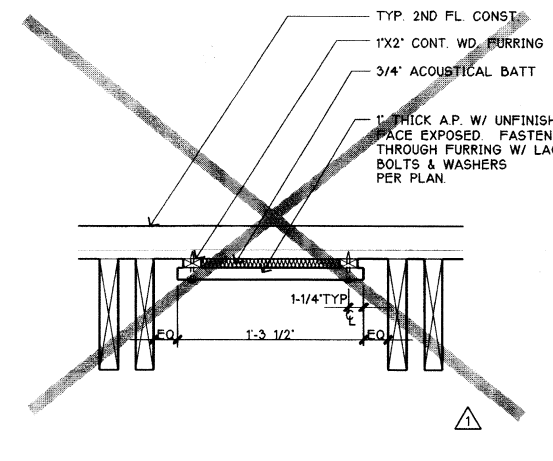
8 SECTIONS @ COFFEE STATION  
3/4" • 1'-0"



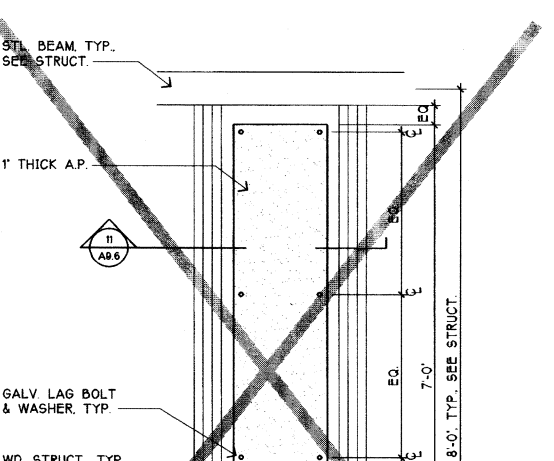
9 RESTROOM COUNTERS (WC 110 & 113)  
3/4" • 1'-0"



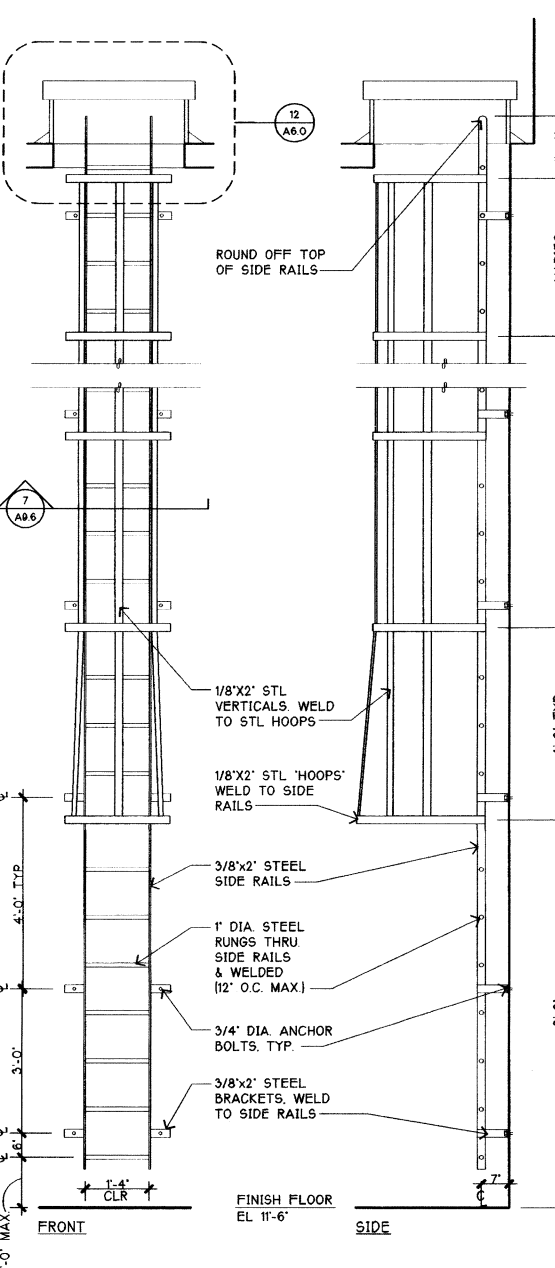
10 TYP. BASE @ P-LAM WAINSCOT  
HALF-SIZE



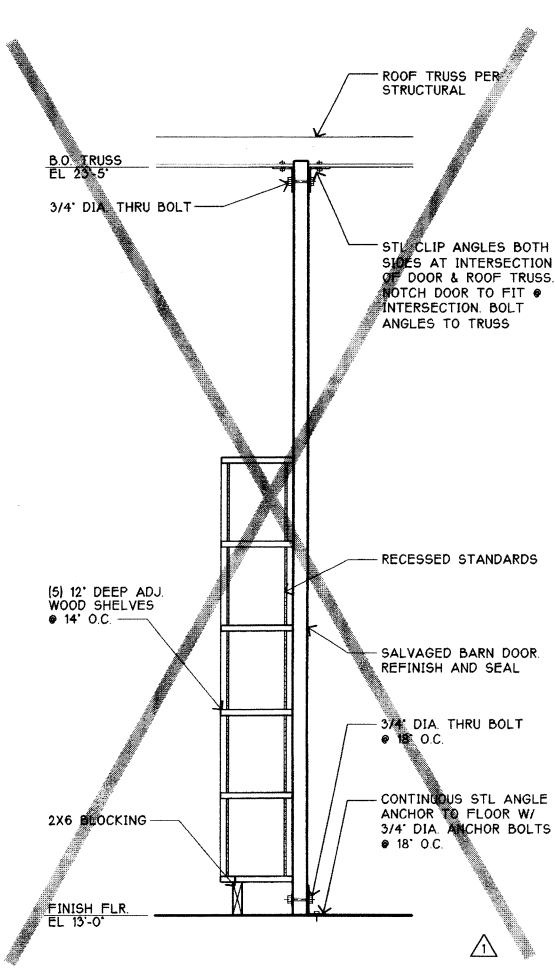
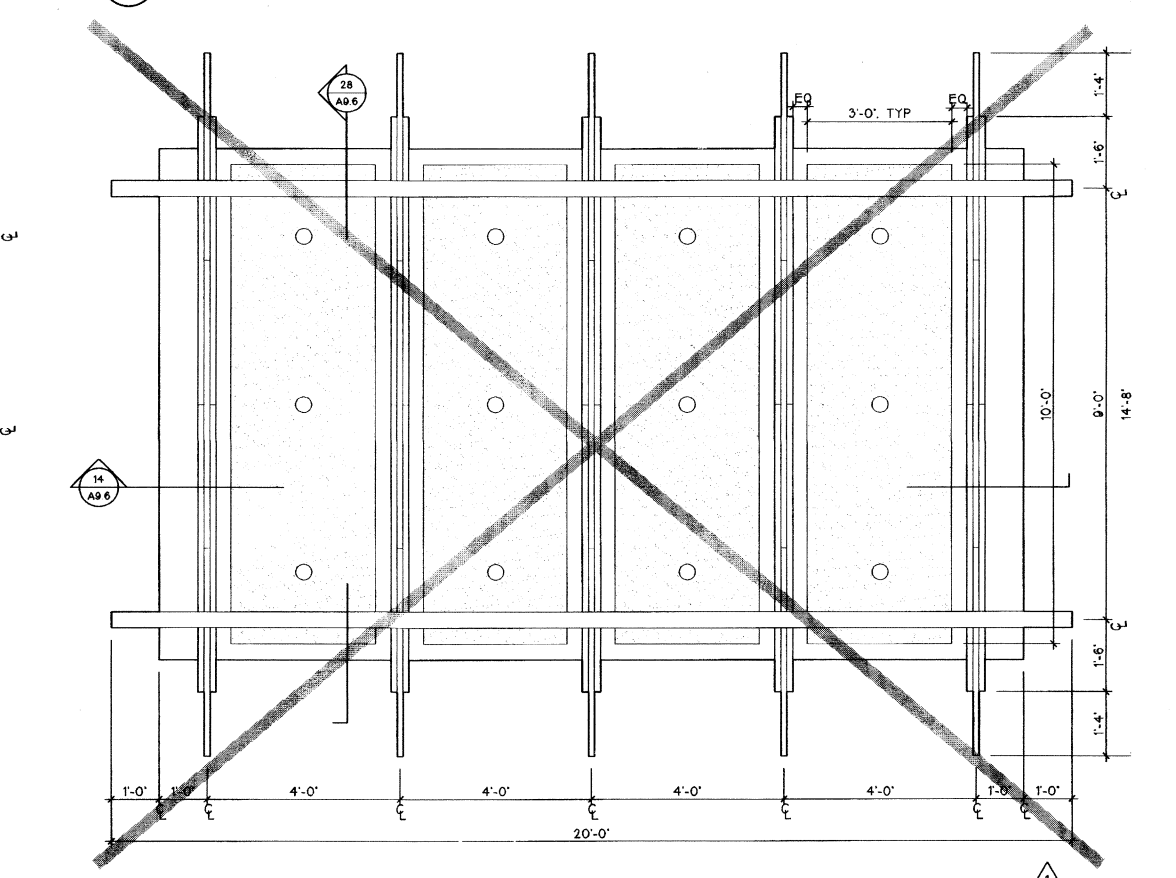
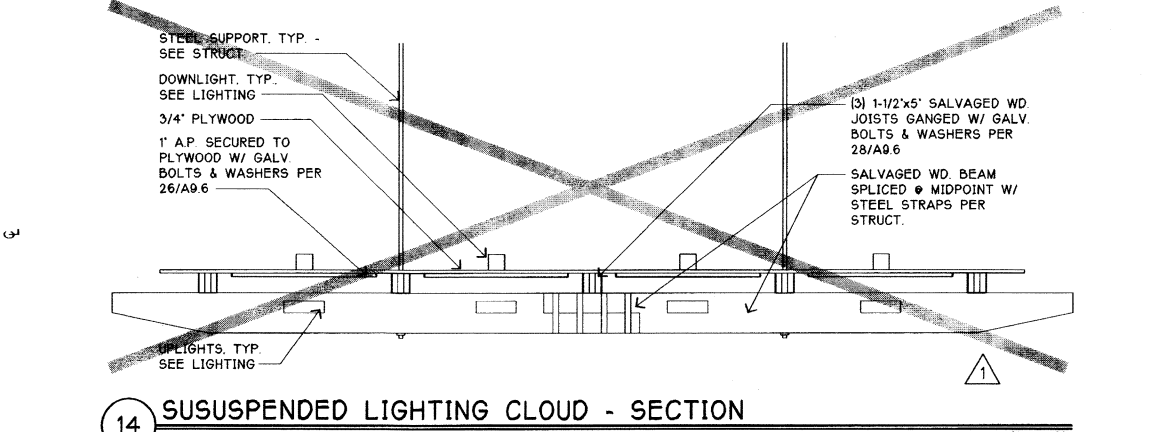
11 1ST FL. ACOUST. PANEL - SECTION  
1 1/2" • 1'-0"



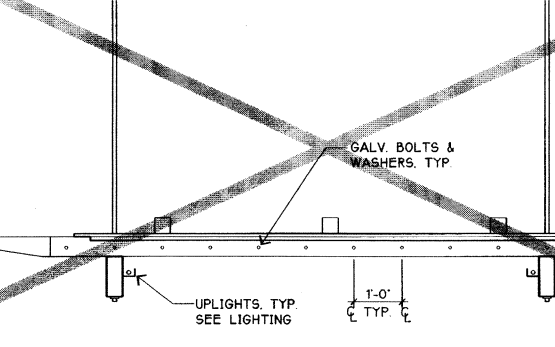
18 1ST FL. ACOUST. PANEL - TYP. BAY  
3/4" • 1'-0"



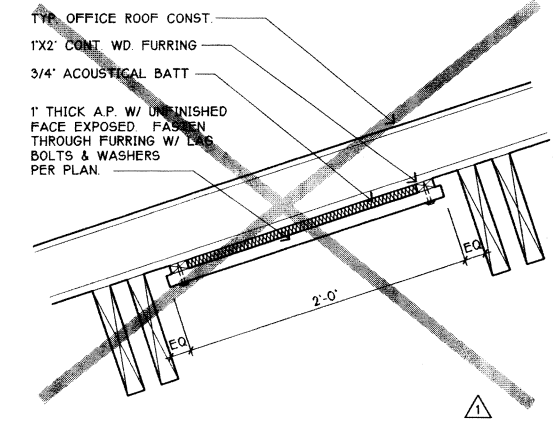
25 ACCESS LADDER & ROOF HATCH  
1/2" • 1'-0"



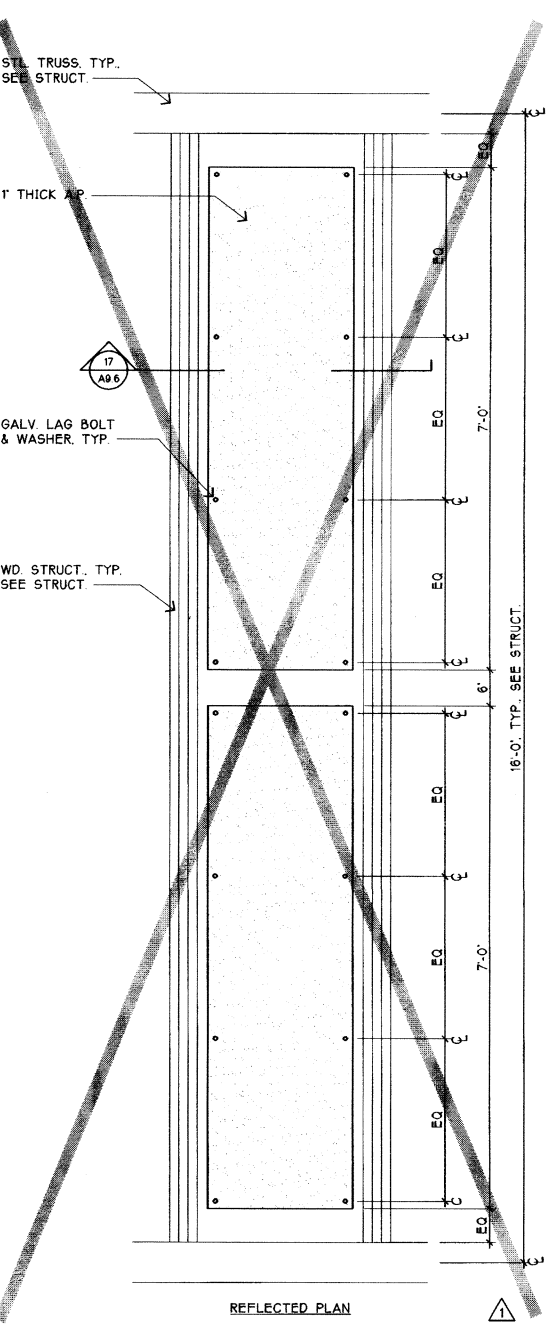
22 BARN DOOR PARTITION & SHELVES  
3/4" • 1'-0"



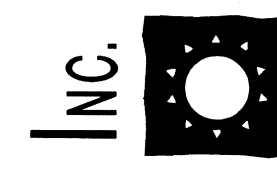
28 SUSPENDED LIGHTING CLOUD - REFLECTED PLAN  
1/2" • 1'-0"



17 2ND FL. ACOUST. PANEL - SECTION  
1 1/2" • 1'-0"



30 2ND FL. ACOUST. PANEL - TYP. BAY  
3/4" • 1'-0"



SUN HEALTHCARE SYSTEMS, INC.  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

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

DATE: 5/18/99  
CONSTRU SET

BG  
RF  
PROJECT MANAGER  
DAS/DWG  
PROJECT ARCHITECT  
DAS/KT/DWG  
DRAWN  
FB

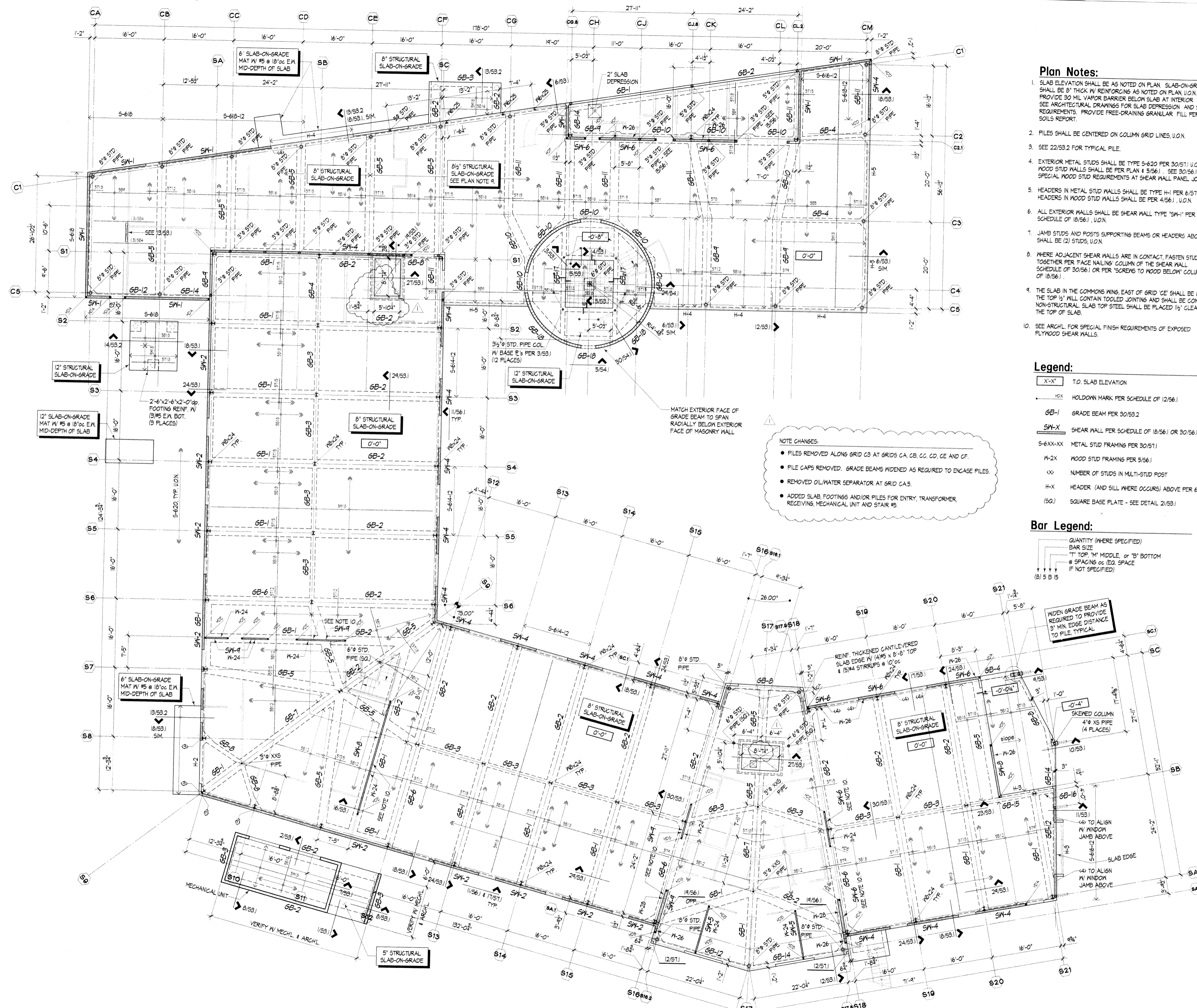
2029 REGISTERED ARCHITECT  
THOMAS D. ENRICH  
STATE OF WASHINGTON

INTERIOR  
DETAILS

98060.00  
PROJECT #  
MAY 12, 1999  
PLAN  
E:\98060\CD\A9-6  
CONTRACT FILE NAME

A9.6 CONSTRUCTION SET  
SHEET NUMBER





- Plan Notes:**
- SLAB ELEVATION SHALL BE AS NOTED ON PLAN. SLAB-ON-GRADE SHALL BE 2" THICK W/ REINFORCING AS NOTED ON PLAN, U.O.N. (SEE 4/53.2) PROVIDE 30 MIL VAPOR BARRIER BELOW SLAB AT INTERIOR SPACES. SEE ARCHITECTURAL DRAWINGS FOR SLAB DEPRESSION AND SLOPE REQUIREMENTS. PROVIDE FREE-DRAINING GRANULAR FILL PER SOILS REPORT.
  - FILES SHALL BE CENTERED ON COLUMN GRID LINES, U.O.N.
  - SEE 22/53.2 FOR TYPICAL FILE.
  - EXTERIOR METAL STUDS SHALL BE TYPE S-620 PER 30/51 U.O.N. WOOD STUD WALLS SHALL BE PER PLAN 4/5/561. SEE 30/561 FOR SPECIAL WOOD STUD REQUIREMENTS AT SHEAR WALL PANEL JOINTS.
  - HEADERS IN METAL STUD WALLS SHALL BE TYPE H-1 PER 6/51 U.O.N. HEADERS IN WOOD STUD WALLS SHALL BE PER 4/561 U.O.N.
  - ALL EXTERIOR WALLS SHALL BE SHEAR WALL TYPE 'SM-1' PER SCHEDULE OF 18/561, U.O.N.
  - JAMB STUDS AND POSTS SUPPORTING BEAMS OR HEADERS ABOVE SHALL BE (2) STUDS, U.O.N.
  - WHERE ADJACENT SHEAR WALLS ARE IN CONTACT, FASTEN STUDS TOGETHER PER 'FACE NAILING' COLUMN OF THE SHEAR WALL SCHEDULE OF 30/561 OR PER 'SCREWS TO WOOD BELOW' COLUMN OF 18/561.
  - THE SLAB IN THE COMMONS WING, EAST OF GRID 'CE' SHALL BE 8 1/2" THICK. THE TOP 1 1/2" WILL CONTAIN TOOLED JOINTS AND SHALL BE CONSIDERED NON-STRUCTURAL. SLAB TOP STEEL SHALL BE PLACED 1/2" CLEAR FROM THE TOP OF SLAB.
  - SEE ARCH. FOR SPECIAL FINISH REQUIREMENTS OF EXPOSED PLYWOOD SHEAR WALLS.

- Legend:**
- X-X TO SLAB ELEVATION
  - HOLD-DOWN MARK PER SCHEDULE OF 12/561
  - GB-1 GRADE BEAM PER 30/53.2
  - SM-X SHEAR WALL PER SCHEDULE OF 18/561 OR 30/561
  - S-6XX-XX METAL STUD FRAMING PER 30/51
  - M-2X WOOD STUD FRAMING PER 5/561
  - XX NUMBER OF STUDS IN MULTI-STUD POST
  - H-X HEADER (AND SILL WHERE OCCURS) ABOVE PER 6/51
  - (SQ.) SQUARE BASE PLATE - SEE DETAIL 2/531

- Bar Legend:**
- QUANTITY (WHERE SPECIFIED)
  - BAR SIZE
  - 'T' TOP, 'M' MIDDLE, or 'B' BOTTOM
  - @ SPACING or (EQ. SPACE)
  - IF NOT SPECIFIED
  - (8) 5 B 15



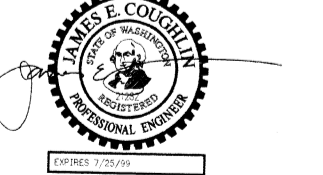
**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU. SET

JEC  
 BTL  
 CSD  
 HRB  
 JEC

COUGHLIN PORTER LUNDEEN  
 4000 1/2 STREET, SUITE 300  
 SEATTLE, WA 98104

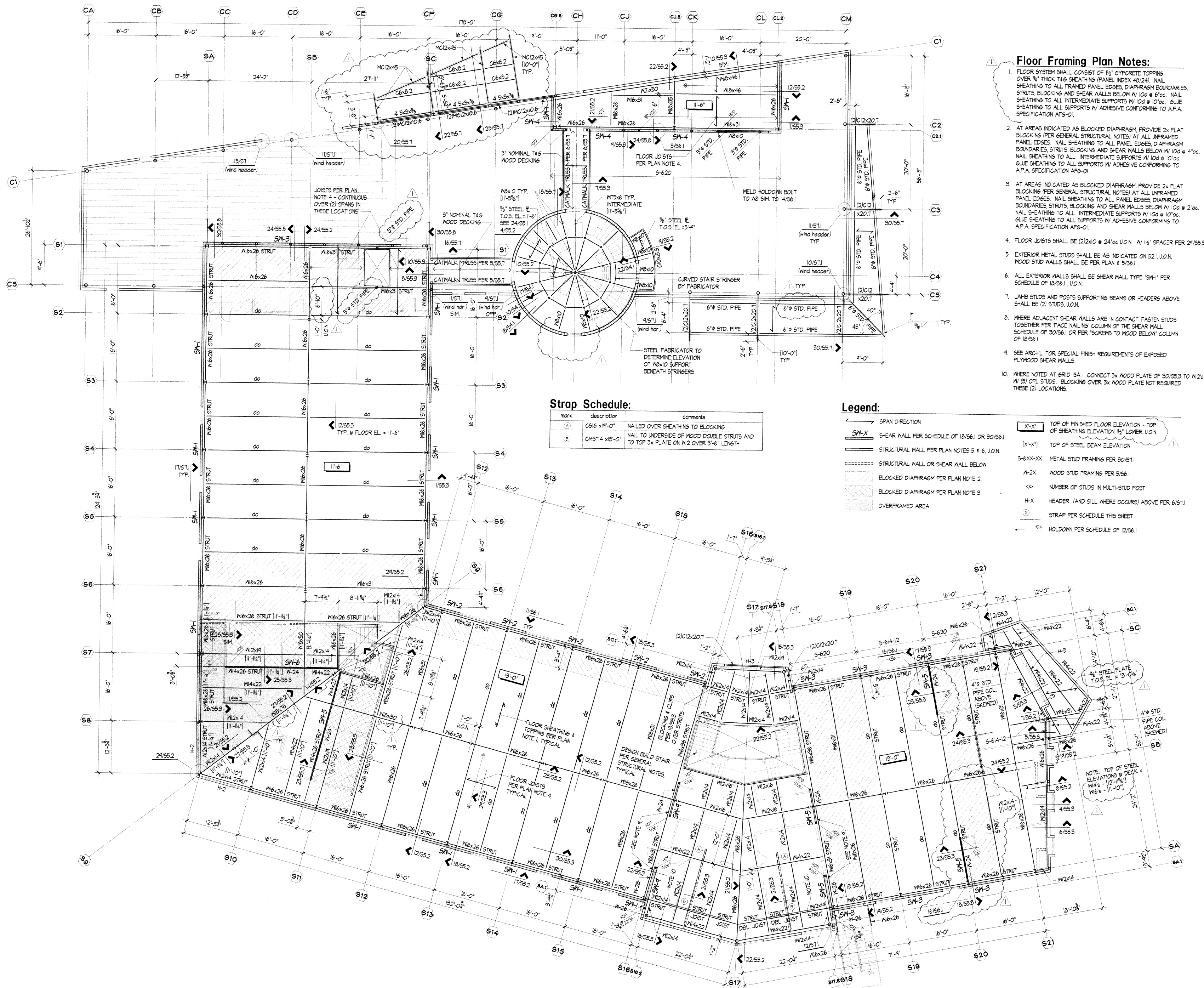


FOUNDATION  
 PLAN

98-0027-04  
 MAY 18, 1999

S2.1 CONSTRUCTION SET

PROJECT: SUN HEALTHCARE SYSTEMS, INC. CAMPUS: PHASE ONE, ANACORTES, WA  
 DATE: 5/18/99  
 DRAWING NO: 98-0027-04  
 SHEET NO: 1 OF 1  
 SCALE: AS SHOWN  
 DESIGNED BY: JEC  
 CHECKED BY: BTL  
 IN CHARGE: CSD  
 PROJECT MANAGER: HRB  
 ARCHITECT: JEC

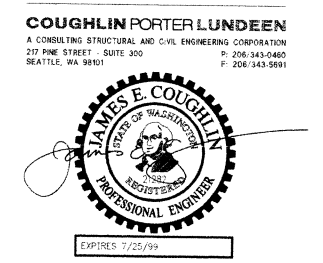


**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON

SCALE 1/8"=1'-0"

5/18/99 CONSTRU. SET

JEC  
 BTL  
 CBD  
 HRB  
 JEC

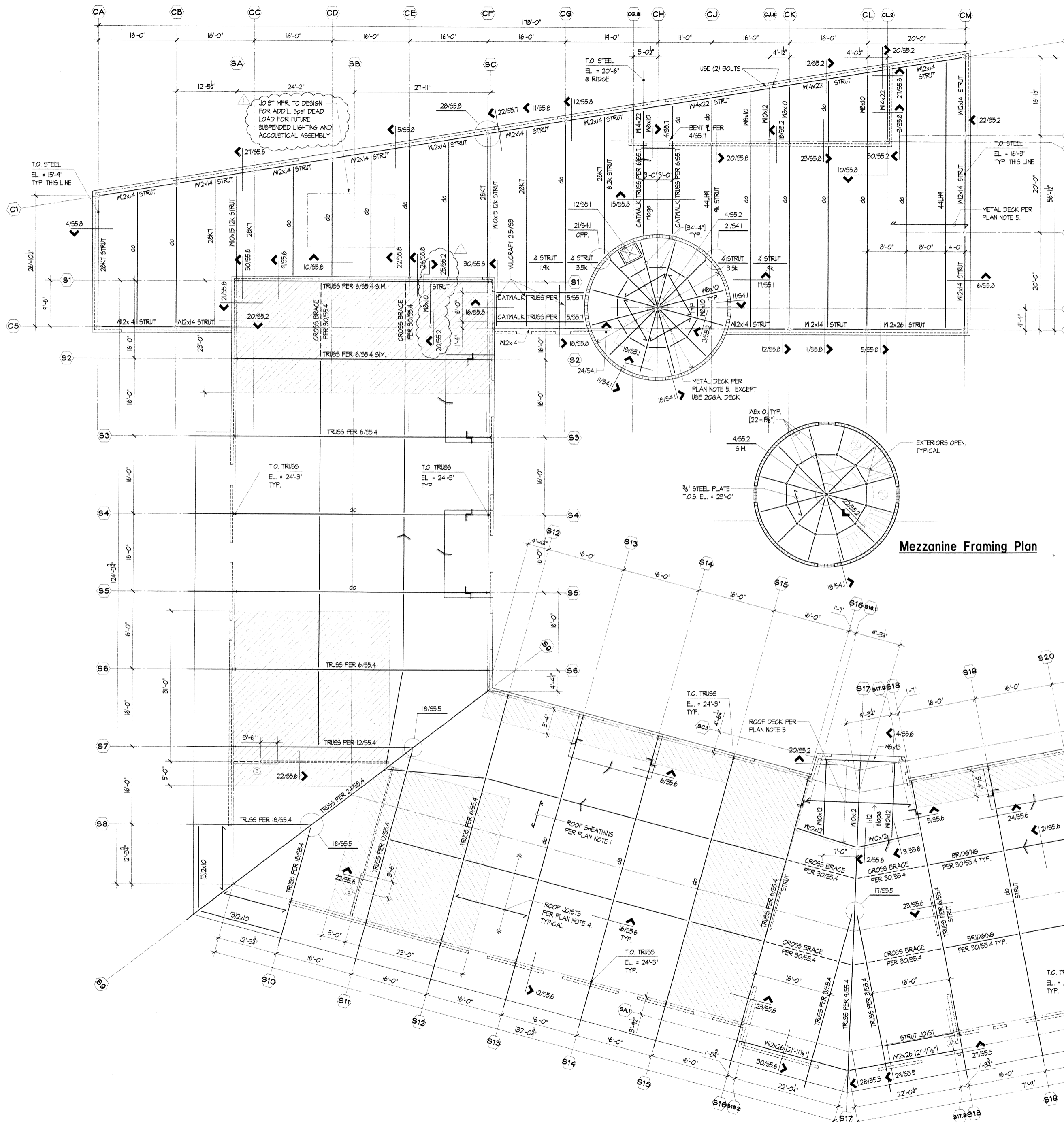


SECOND FLOOR FRAMING PLAN

98-0027-04  
 MAY 18, 1999

S2.2 CONSTRUCTION SET

Project: SUN 255200 4600000705 File: S2-22.FRM Date: 5/18/99 9:15 am User: PJG Scale: 1/8"=1'-0" Layer: S2-22.FRM



**Roof Framing Plan Notes:**

- ROOF SHEATHING SHALL BE 3/4" THICK (PANEL SPAN RATINGS 32/16). NAIL SHEATHING TO ALL FRAMED PANEL EDGES, DIAPHRAGM BOUNDARIES, STRUTS, BLOCKING, AND SHEAR WALLS BELOW W/ 10d @ 6"oc. NAIL SHEATHING TO ALL INTERMEDIATE SUPPORTS W/ 10d @ 12"oc U.O.N.
- AT AREAS INDICATED AS BLOCKED DIAPHRAGM, PROVIDE 2x FLAT BLOCKING (PER GENERAL STRUCTURAL NOTES) AT ALL UNFRAMED PANEL EDGES. NAIL SHEATHING TO ALL PANEL EDGES, DIAPHRAGM BOUNDARIES, STRUTS, BLOCKING, AND SHEAR WALLS BELOW W/ 10d @ 4"oc. NAIL TO ALL INTERMEDIATE SUPPORTS W/ 10d @ 12"oc.
- NOT USED
- TYPICAL ROOF JOISTS SHALL BE (2)12x10 @ 32"oc W/ SPACERS PER 17/55.6. CONTRACTOR SHALL CORRECT JOIST SAG AS PLYWOOD IS BEING INSTALLED.
- ROOF DECKING SHALL BE 1/2" DEEP. SEE 6/55.1 FOR PROPERTIES AND ATTACHMENT REQUIREMENTS.
- JOIST MANUFACTURER SHALL DESIGN JOISTS FOR 25 PSF LIVE LOAD, 15 PSF DEAD LOAD INCLUDING WEIGHT OF JOISTS AS WELL AS MECHANICAL EQUIPMENT AND WIND UPLIFT FORCES. JOISTS SHALL BE ADDED FOR SPECIAL LOADS AND OPENINGS AS REQUIRED.

	GROSS UPLIFT:	NET UPLIFT:
TYPICAL:	20 PSF	10 PSF
WITHIN 10' OF END WALL:	34 PSF	24 PSF

- Legend:**
- SPAN DIRECTION
  - STRUCTURAL WALL OR SHEAR WALL BELOW
  - ▨ BLOCKED DIAPHRAGM PER PLAN NOTE 2.
  - (X-X) TOP OF STEEL BEAM ELEVATION
  - 4 STRUT ANGLE STRUT PER 17/55.1
  - ⊕ STRAP PER SCHEDULE THIS SHEET
  - ⊔ STEP IN ELEVATION

**Strap Schedule:**

mark	description	comments
(A)	(2)C316 x3'-6"	NAILED OVER SHEATHING ABOVE JOISTS
(B)	CM514	NAILED OVER SHEATHING ABOVE BLOCKING

**Mezzanine Framing Plan**



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"  
 5/18/99 CONSTRU. SET

JEC  
 PARTNER IN CHARGE  
 BTL  
 DESIGN PRINCIPAL  
 CSD  
 PROJECT ENGINEER  
 HRB  
 DESIGNER  
 JEC  
 CHECKER

COUGHLIN PORTER LUNDEEN  
 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
 210 WEST STREET - SUITE 300  
 SEATTLE, WA 98101

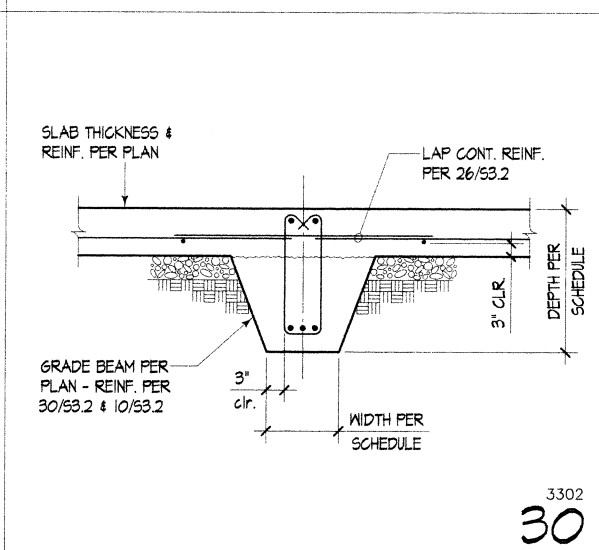
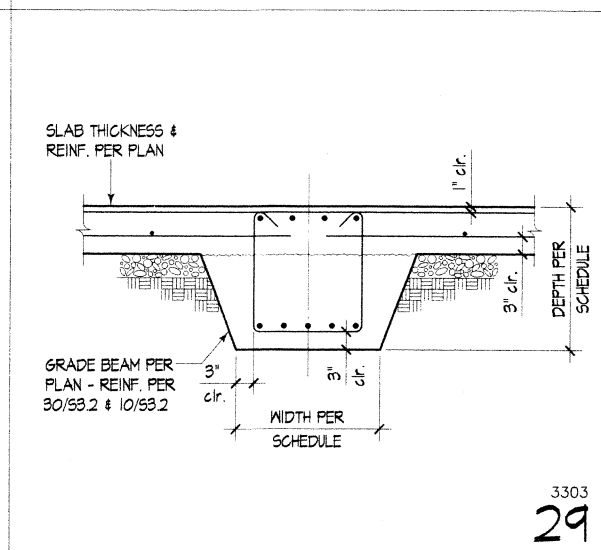
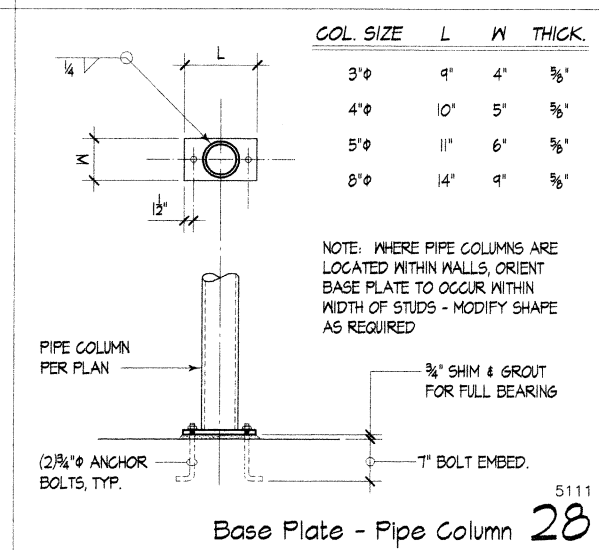
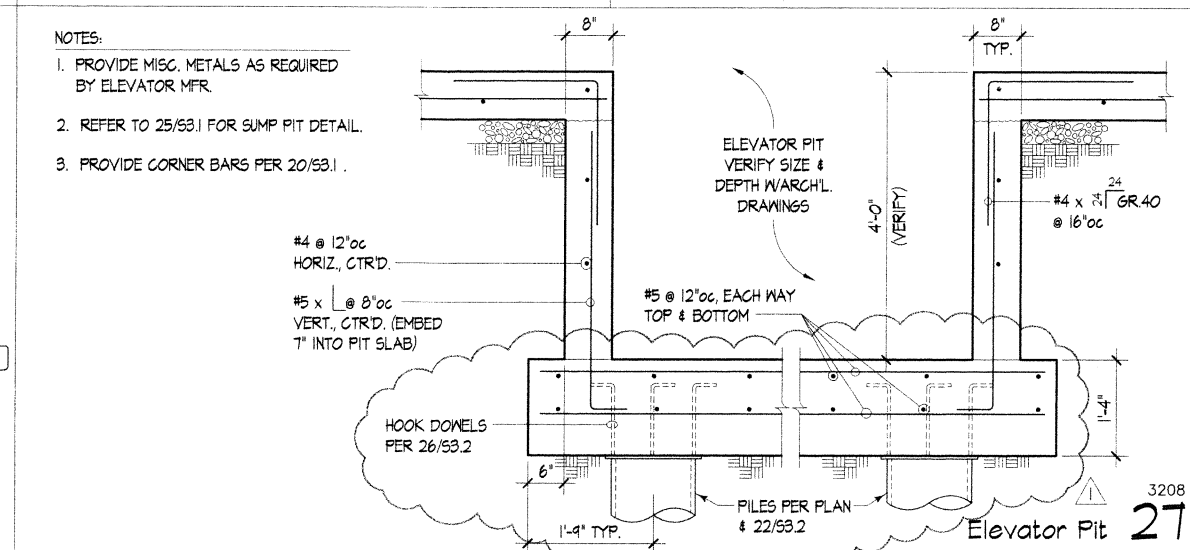
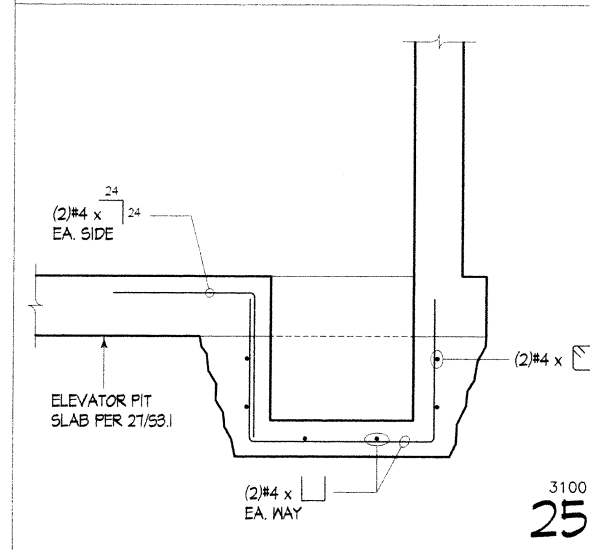
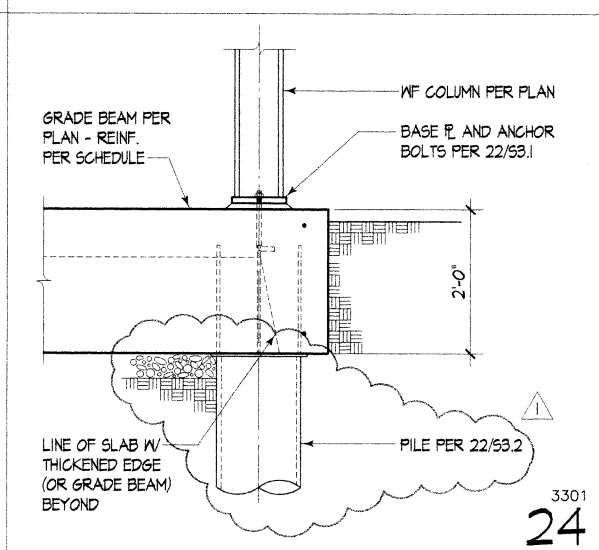
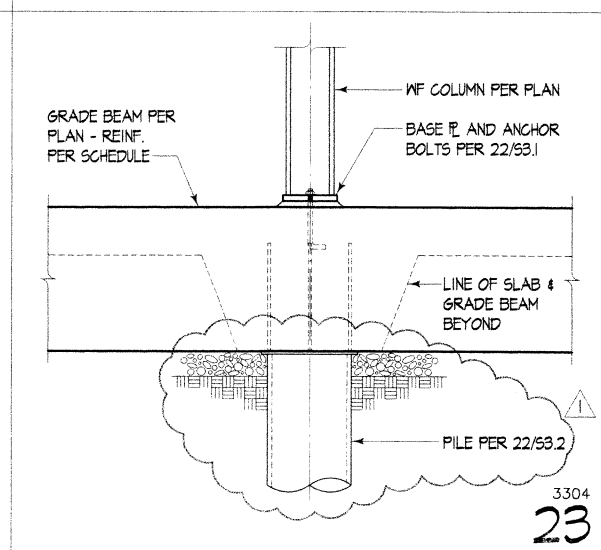
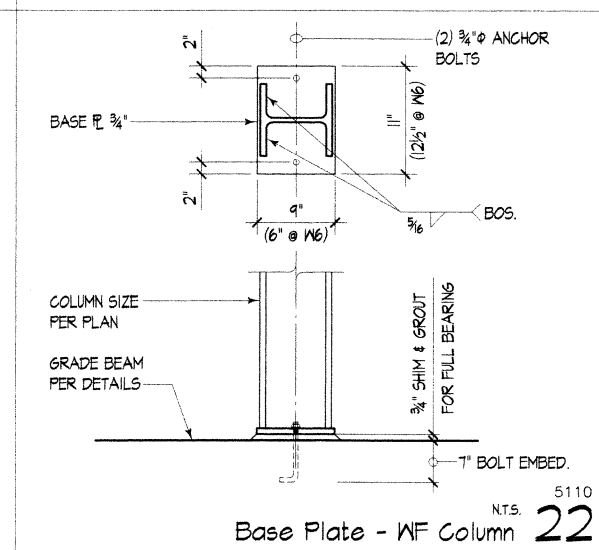
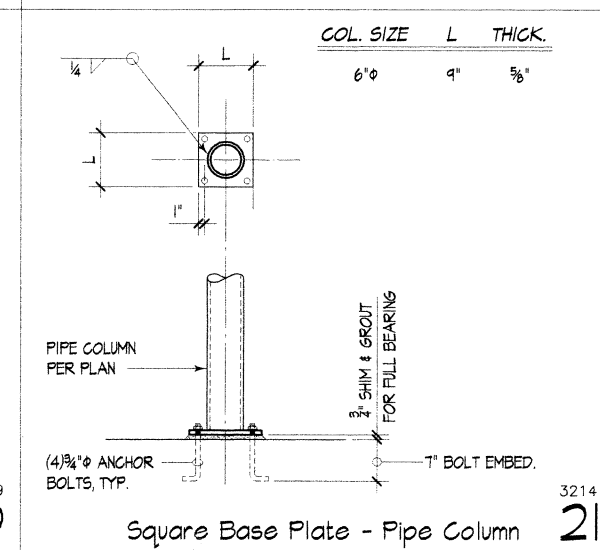
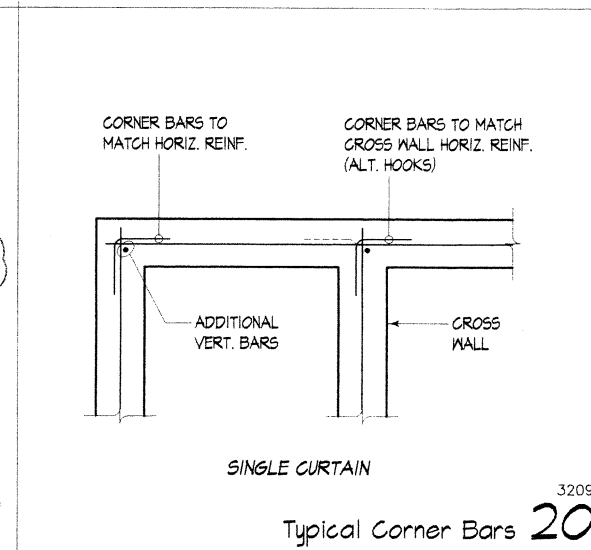
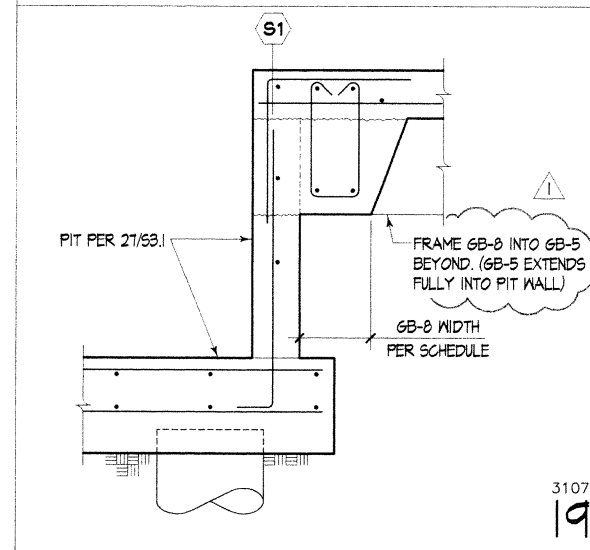
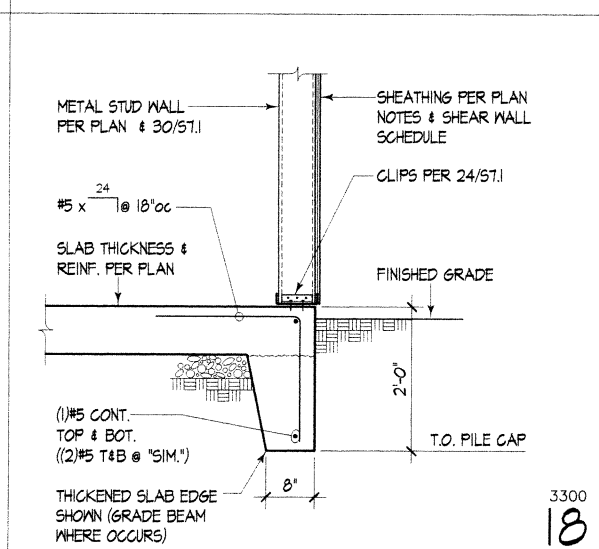
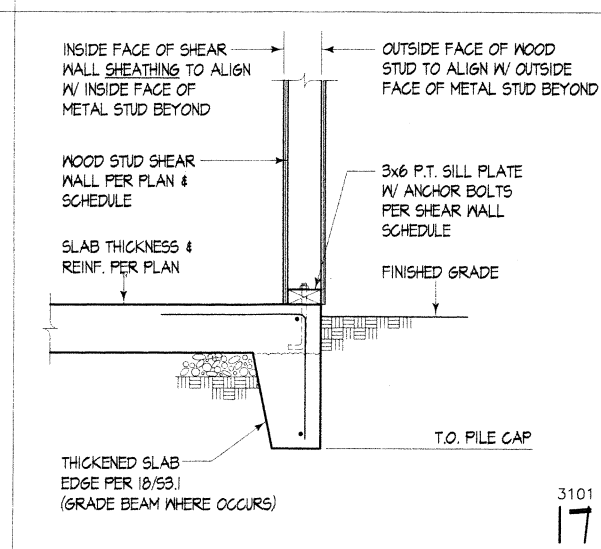
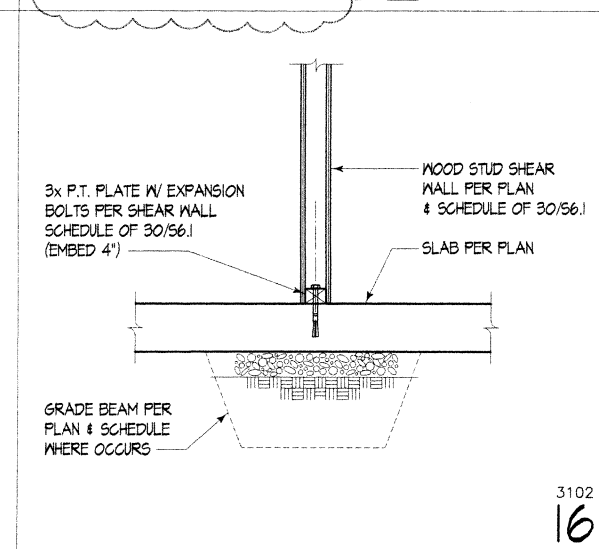
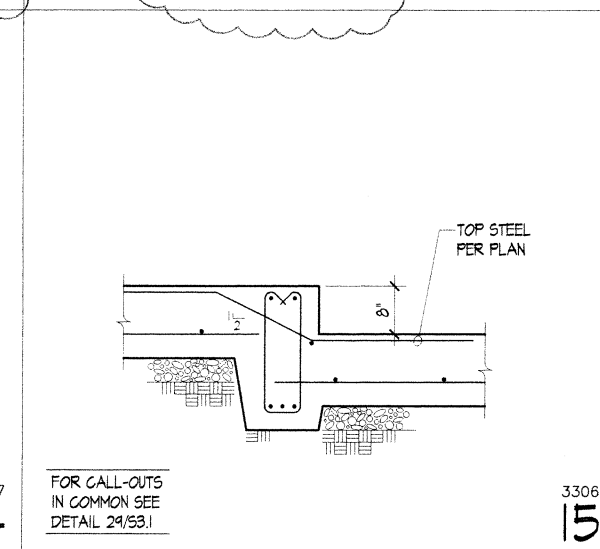
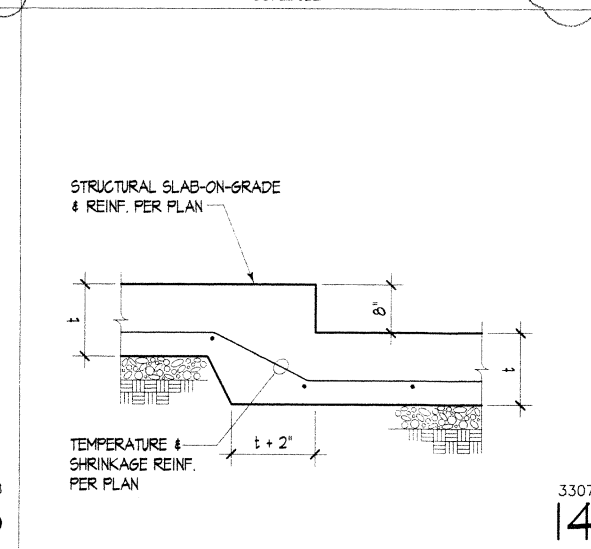
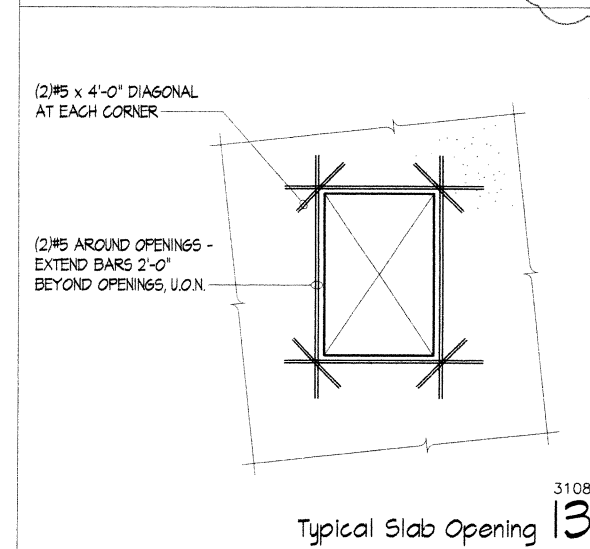
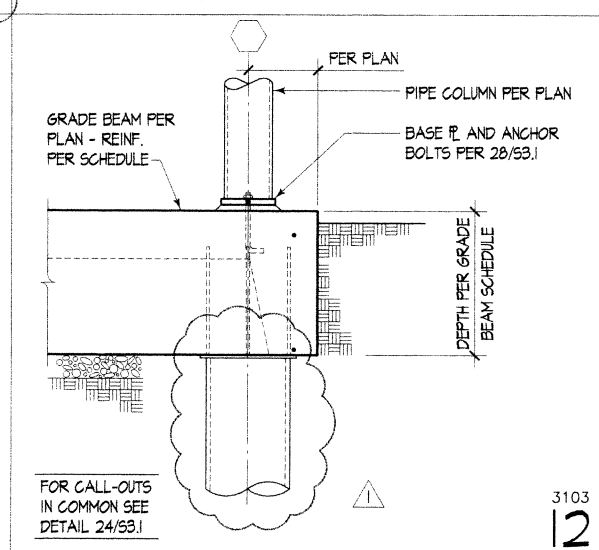
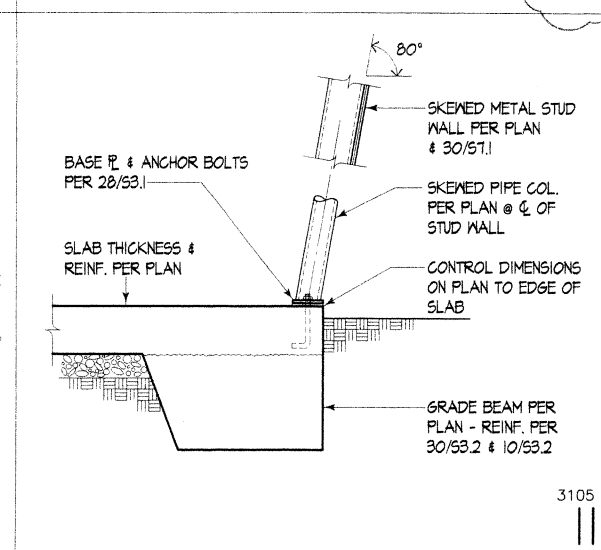
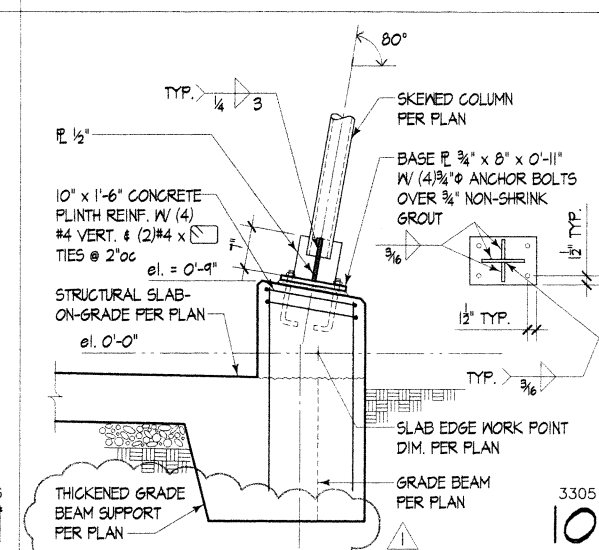
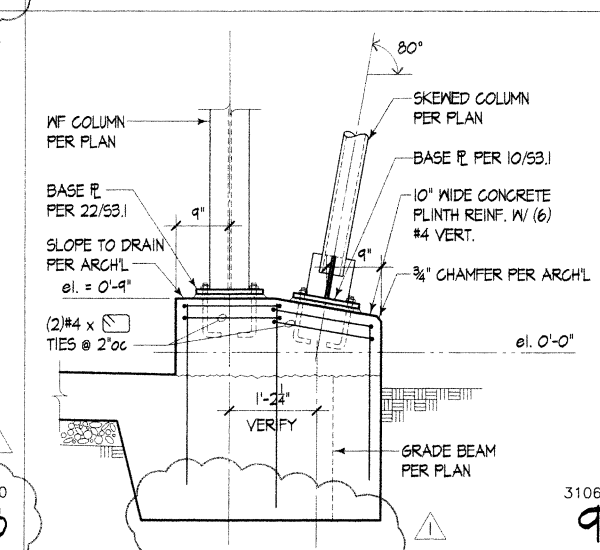
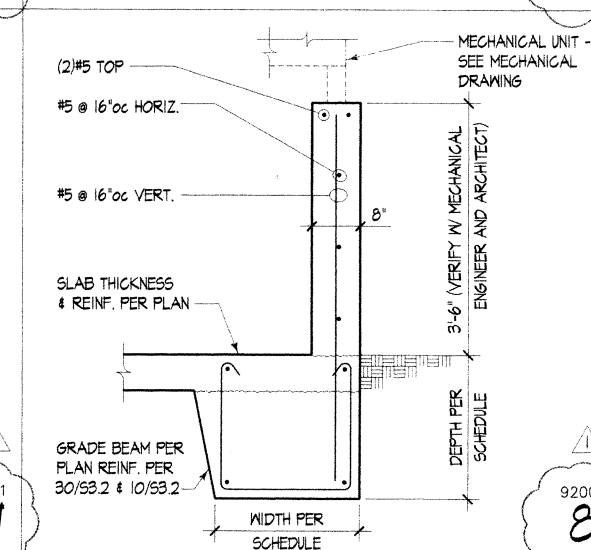
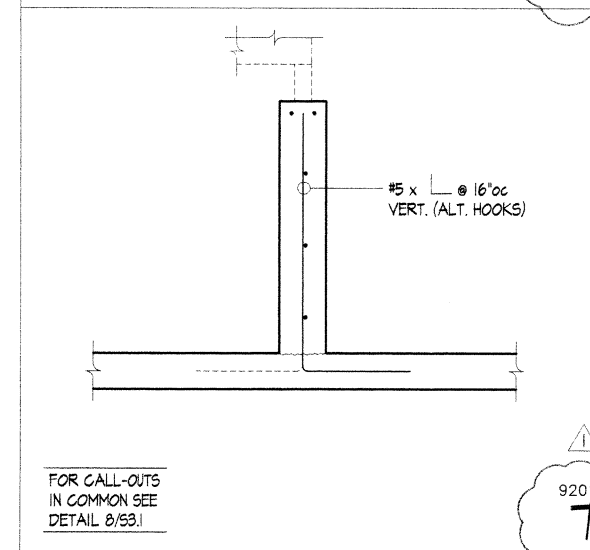
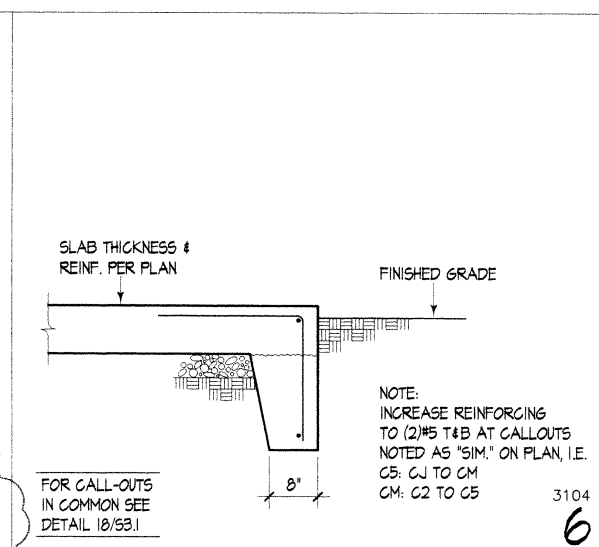
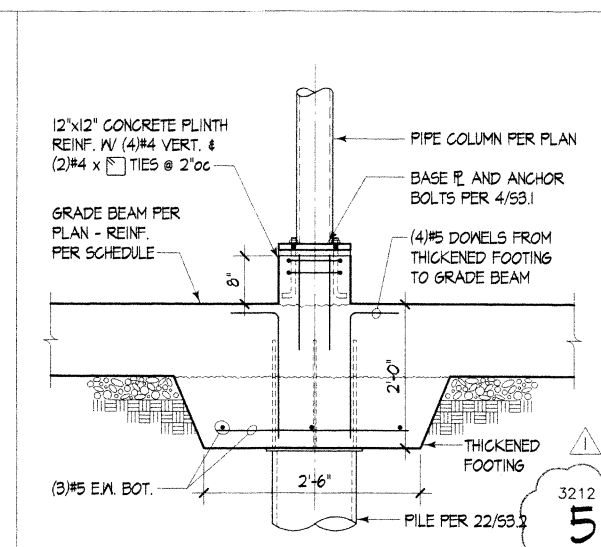
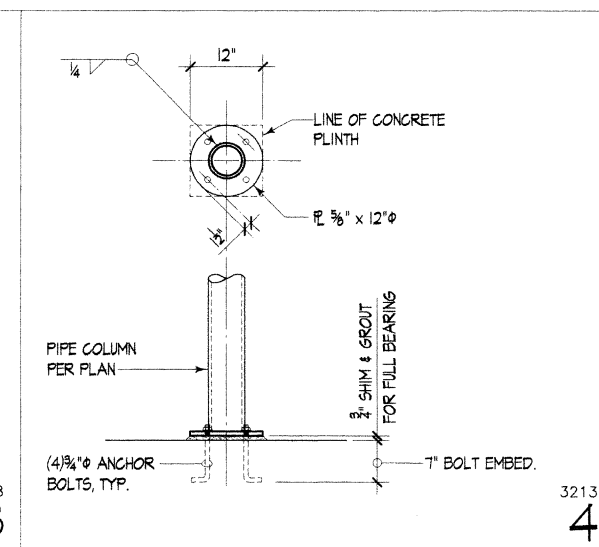
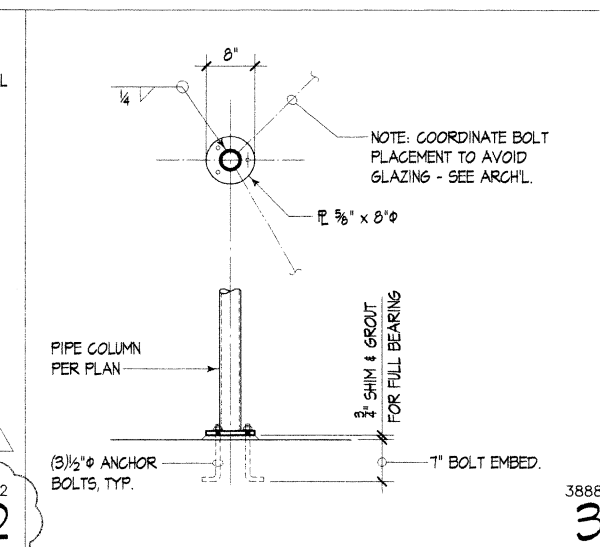
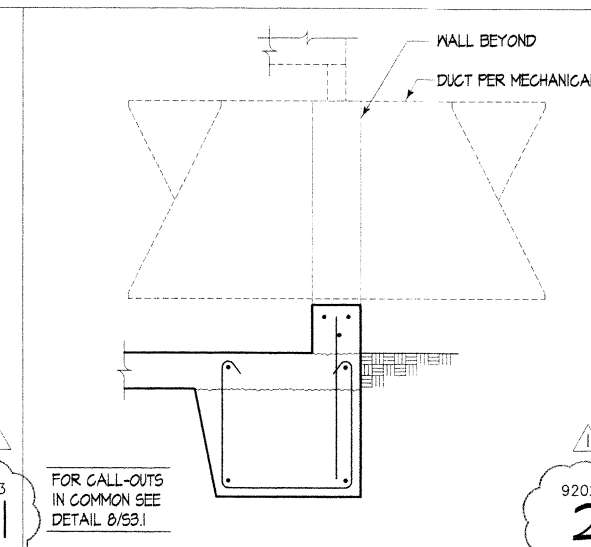
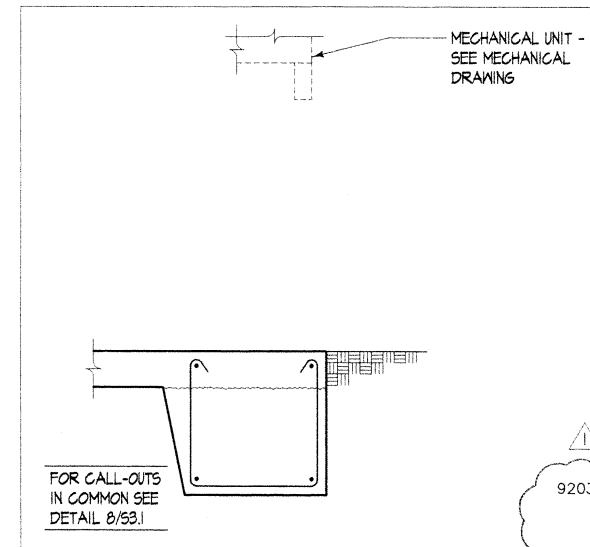


ROOF FRAMING PLAN

98-0027-04  
 CIVIL PROJECT NO.  
 MAY 18, 1999  
 DATE

S2.3 CONSTRUCTION SET

Project: SUN SYSTEMS RECONSTRUCTION File: 35-32-22001-01.dwg Date: 05/18/99 10:55:55 AM User: JEC Scale: 1/8"=1'-0" System: AutoCAD 2000 Plot: 35-32-22001-01.dwg Plot Date: 5/18/99 10:55:55 AM



**MITHUN PARTNERS**  
ARCHITECTURE PLANNING & INTERIOR DESIGN  
314 OLIVE WAY SUITE 500 SEATTLE, WA 98101 (206) 423-3344 FAX(206) 423-7885

**SUN HEALTHCARE SYSTEMS, INC.**  
INC.  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

DATE: 5/18/99 CONSTRU. SET

JEC PROJECT IN CHARGE  
BTL PROJECT MANAGER  
CSD PROJECT COORDINATOR  
HRB DESIGNER  
JEC CHECKER

**COUGHLIN PORTER LUNDEEN**  
A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
27 FINE STREET, SUITE 500 SEATTLE, WA 98101 P: 206.344.4444 FAX: 206.344.9991

**JAMES E. COUGHLIN**  
REGISTERED PROFESSIONAL ENGINEER  
EXPIRES 1/22/99

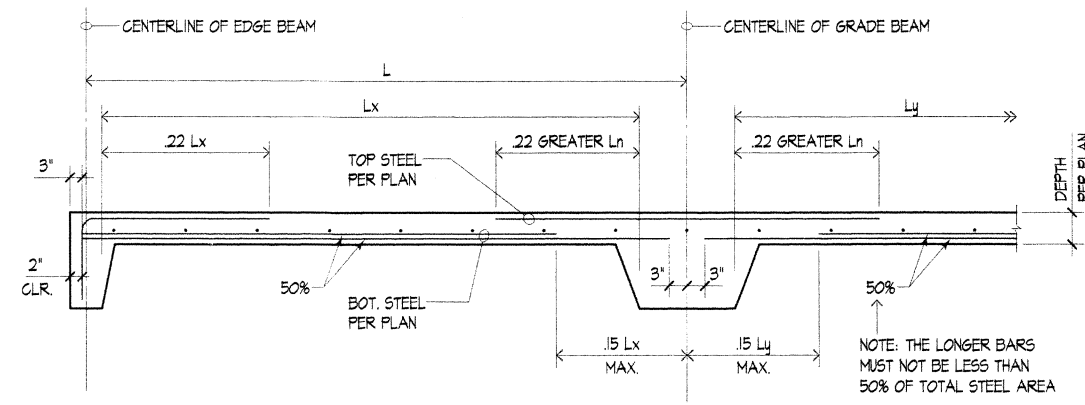
FOUNDATION DETAILS

98-0027-04  
CONSTRUCTION SET  
MAY 18, 1999  
DATE

S3.1 CONSTRUCTION SET

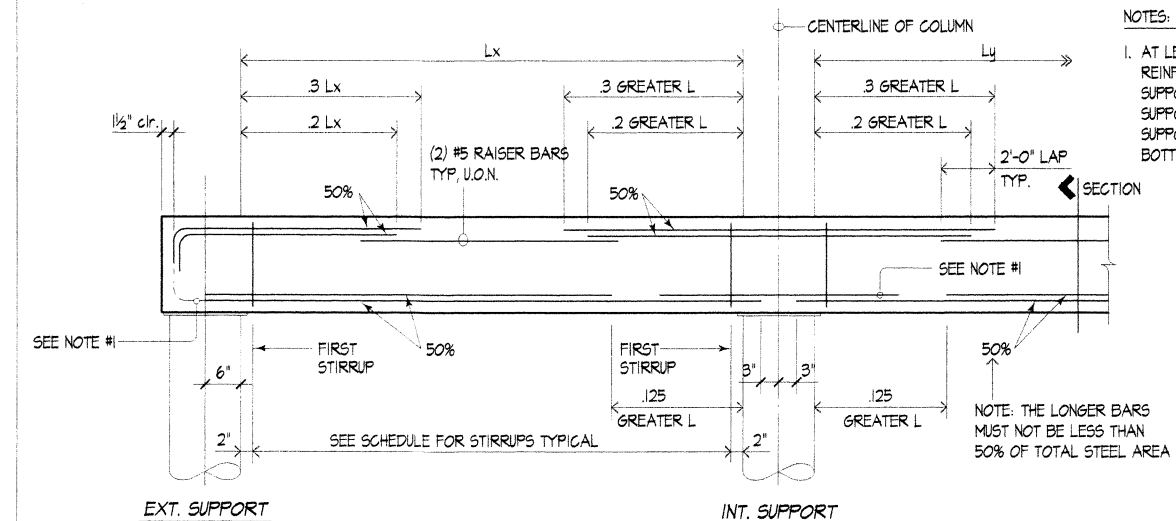
Copyright © 1999 Mithun Partners, Inc.





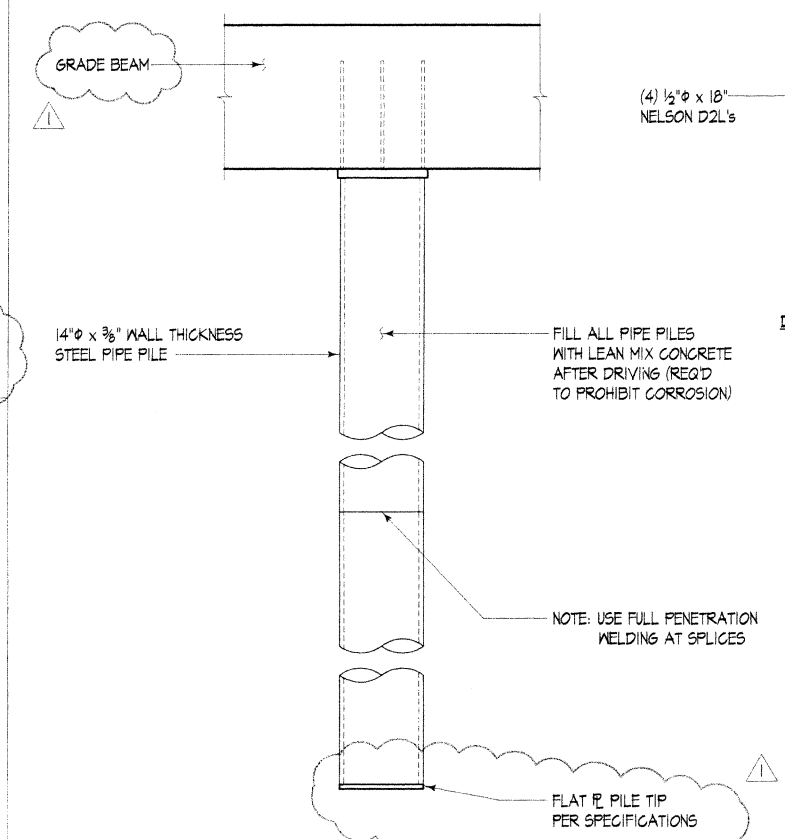
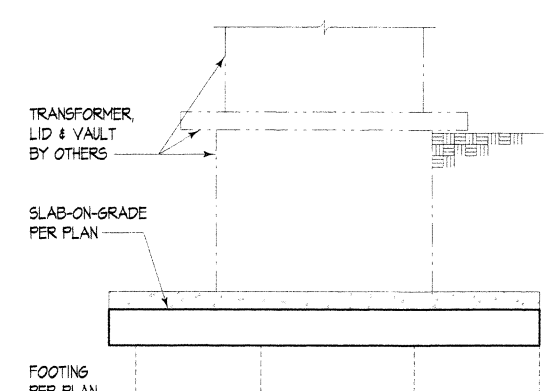
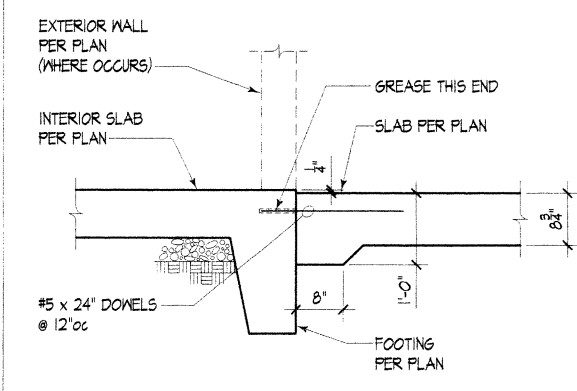
KEY:  
 L = CLEAR SPAN  
 Lx = CLEAR SPAN  
 Ly = CLEAR SPAN  
 Ln = Lx or Ly

EXT. SUPPORT INT. SUPPORT Typical Slab Section 4



NOTES:  
 1. AT LEAST 1/4 OF THE SPECIFIED BOTTOM REINFORCING SHALL BE CONTINUOUS THROUGH SUPPORT OR SHALL BE LAP SPliced THROUGH SUPPORT WITH CLASS 'A' SPLICES. AT EXTERIOR SUPPORTS, TERMINATE 1/4 OF SPECIFIED BOTTOM REINFORCING IN STANDARD HOOK.  
 2. EXTEND BOTTOM BARS 6" OVER SUPPORTS, TYP. EXTEND TOP BARS TO FAR FACE OF SUPPORT & USE STANDARD HOOKS.

SECTION Typical Grade Beam Elevation 10



NOTE: STEEL PIPE, PLATE AND D2L'S MUST NOT BE IN CONTACT WITH ANY REINFORCING STEEL

NOTE: USE FULL PENETRATION WELDING AT SPLICES

FLAT PILE TIP PER SPECIFICATIONS

14" Steel Pipe Pile 22

MINIMUM STRAIGHT DEVELOPMENT LENGTH ( $l_d$ )

BAR SIZE	$f_c = 3000$ PSI		$f_c = 4000$ TO 5000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	16"	15"	14"	12"
#4	22"	17"	19"	15"
#5	27"	21"	23"	18"
#6	35"	27"	31"	24"
#7	48"	37"	42"	32"
#8	63"	49"	55"	42"
#9	80"	62"	69"	53"
#10	102"	78"	88"	68"

TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.  
 IF CLEAR CONCRETE COVER IS LESS THAN 2x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN (4) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 43%.

MINIMUM LAP SPLICE LENGTHS ( $l_s$ ) (CLASS B)

BAR SIZE	$f_c = 3000$ PSI		$f_c = 4000$ TO 5000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	21"	16"	18"	16"
#4	28"	22"	24"	18"
#5	35"	27"	30"	23"
#6	46"	35"	40"	31"
#7	63"	48"	54"	42"
#8	82"	63"	71"	55"
#9	104"	80"	90"	69"
#10	132"	102"	114"	88"

TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.  
 IF CLEAR CONCRETE COVER IS LESS THAN 2x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN (4) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 43%.

MINIMUM EMBEDMENT LENGTHS ( $l_{dh}$ ) FOR STANDARD END HOOKS

A. For general uses:

BAR SIZE	$f_c = 3000$ PSI		$f_c = 4000$ TO 5000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	6"	6"	6"	6"
#4	8"	7"	7"	7"
#5	10"	9"	9"	9"
#6	12"	10"	10"	10"
#7	14"	12"	12"	12"
#8	16"	14"	14"	14"
#9	18"	15"	15"	15"
#10	20"	17"	17"	17"

1. SIDE COVER MUST BE EQUAL TO OR GREATER THAN 2x.  
 2. END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2".

NOTE: USE TABLES IV & V BELOW ONLY WHERE SPECIFICALLY INDICATED ON DRAWINGS.

MINIMUM STRAIGHT DEVELOPMENT LENGTH ( $l_d$ ) FOR BARS IN COMPRESSION

BAR SIZE	$f_c \geq 3000$ PSI	
	TOP BARS	OTHER BARS
#3	9"	9"
#4	11"	11"
#5	14"	14"
#6	17"	17"
#7	20"	20"
#8	22"	22"
#9	25"	25"
#10	28"	28"

MINIMUM LAP SPLICE LENGTH ( $l_s$ ) FOR BARS IN COMPRESSION

BAR SIZE	$f_c \geq 3000$ PSI	
	TOP BARS	OTHER BARS
#3	12"	12"
#4	15"	15"
#5	19"	19"
#6	23"	23"
#7	26"	26"
#8	30"	30"
#9	34"	34"
#10	39"	39"

Reinforcing Splice & Development Length Schedule 26

BEAM MARK	WIDTH	DEPTH	BEAM REINFORCING SCHEDULE		REMARKS or DETAIL REF.
			EXTERIOR SUPPORT	INTERIOR SUPPORT	
GB-1	24"	24"	(4)#5 T (11)#4 @ 9"oc (16)#4 @ 16"oc	(4)#5 T (5)#5 B (12)#4 @ 9"oc	10/53, TYP. 24/53 BEND TOP BARS @ STEP @ GRID S21
GB-2	24"	24"	(4)#5 T (12)#4 @ 10"oc (16)#4 @ 16"oc	(4)#5 T (5)#5 B (11)#4 @ 10"oc	
GB-3	12"	24"	(2)#5 T (3)#5 B (3)#4 @ 10"oc (24)#4 @ 24"oc	(2)#5 T (3)#5 B (3)#4 @ 10"oc	30/53,1
GB-4	12"	24"	(2)#5 T (3)#5 B (3)#4 @ 10"oc (24)#4 @ 24"oc	(2)#5 T (3)#5 B (3)#4 @ 10"oc	EXTEND WHERE GRADE BEAM ADJACENT
GB-5	24"	24"	(4)#5 T (9)#5 B (16)#4 @ 10"oc (16)#4 @ 16"oc	(4)#5 T (9)#5 B (16)#4 @ 16"oc (16)#4 @ 10"oc	
GB-6	24"	24"	(4)#5 T (9)#5 B (16)#4 @ 10"oc (16)#4 @ 16"oc	(4)#5 T (9)#5 B (16)#4 @ 16"oc (16)#4 @ 10"oc	
GB-7	24"	24"	(4)#5 T (9)#5 B (16)#4 @ 10"oc (16)#4 @ 16"oc	(4)#5 T (9)#5 B (16)#4 @ 16"oc (16)#4 @ 10"oc	
GB-8	12"	24"	(2)#5 T (3)#5 B (3)#4 @ 10"oc (24)#4 @ 24"oc	(2)#5 T (3)#5 B (3)#4 @ 10"oc	
GB-9	24"	24"	(4)#5 T (7)#4 @ 10"oc (16)#4 @ 16"oc (7)#4 @ 10"oc	(4)#5 T (8)#5 B (7)#4 @ 16"oc (7)#4 @ 10"oc	
GB-10	24"	24"	(4)#5 T (7)#4 @ 10"oc (16)#4 @ 16"oc (7)#4 @ 10"oc	(4)#5 T (8)#5 B (7)#4 @ 16"oc (7)#4 @ 10"oc	EXTEND WHERE GRADE BEAM ADJACENT
GB-11	24"	24"	(2)#5 T (7)#4 @ 10"oc (16)#4 @ 16"oc (7)#4 @ 10"oc	(2)#5 T (8)#5 B (7)#4 @ 16"oc (7)#4 @ 10"oc	
GB-12	12"	24"	(4)#4 @ 10"oc (6)#4 @ 24"oc (6)#4 @ 10"oc	(3)#5 B (4)#4 @ 24"oc (6)#4 @ 10"oc	
GB-13	12"	24"	(2)#5 T (6)#4 @ 10"oc (24)#4 @ 24"oc (6)#4 @ 10"oc	(3)#5 B (6)#4 @ 24"oc (4)#4 @ 10"oc	
GB-14	12"	24"	(2)#5 T (6)#4 @ 10"oc (24)#4 @ 24"oc (4)#4 @ 10"oc	(3)#5 B (6)#4 @ 24"oc (4)#4 @ 10"oc	
GB-15	12"	24"	(5)#5 T (4)#4 @ 10"oc (24)#4 @ 24"oc (5)#4 @ 10"oc	(3)#5 B (4)#4 @ 24"oc (5)#4 @ 10"oc	
GB-16	12"	24"	(2)#5 T (2)#5 B (4) @ 9"oc	(2)#5 T (2)#5 B (4) @ 9"oc	
GB-17	12"	24"	(4)#5 T (12)#4 @ 9"oc (24)#4 @ 24"oc (12)#4 @ 9"oc	(5)#5 (2 LAYERS) (12)#4 @ 9"oc (24)#4 @ 24"oc (12)#4 @ 9"oc	15/53,1
GB-18	varies	24"	(4)#5 T (7)#4 @ 9"oc (24)#4 @ 24"oc (7)#4 @ 9"oc	(5)#5 (2 LAYERS) (7)#4 @ 9"oc (24)#4 @ 24"oc (7)#4 @ 9"oc	

Grade Beam Schedule 30

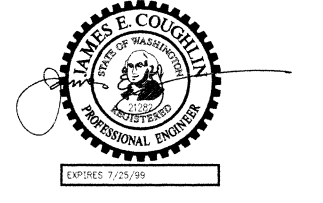


SUN HEALTHCARE SYSTEMS, INC.  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON

5/18/99 CONSTRU. SET

JEC  
 BTL  
 CSD  
 HRB  
 JEC

COUGHLIN PORTER LUNDEEN  
 225 PINE STREET, SUITE 300  
 SEATTLE, WA 98101



FOUNDATION DETAILS  
 98-0027-04  
 MAY 18, 1999

S3.2 CONSTRUCTION SET



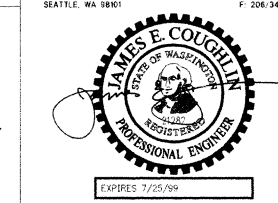
**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

1	2	3	4	5	<p>(For Reinforcing in Grouted Masonry Construction)</p> <p><b>DEVELOPMENT OF REINFORCING IN GROUTED MASONRY CONST.</b></p> <table border="1"> <thead> <tr> <th rowspan="2">BAR SIZE</th> <th colspan="2">TENSION</th> <th colspan="2">COMPRESSION</th> </tr> <tr> <th>GR. 40</th> <th>GR. 60</th> <th>GR. 40</th> <th>GR. 60</th> </tr> </thead> <tbody> <tr> <td>#4</td> <td>20"</td> <td>24"</td> <td>15"</td> <td>18"</td> </tr> <tr> <td>#5</td> <td>25"</td> <td>30"</td> <td>19"</td> <td>23"</td> </tr> <tr> <td>#6</td> <td>30"</td> <td>36"</td> <td>23"</td> <td>27"</td> </tr> <tr> <td>#7</td> <td>35"</td> <td>42"</td> <td>26"</td> <td>32"</td> </tr> <tr> <td>#8</td> <td>40"</td> <td>48"</td> <td>30"</td> <td>36"</td> </tr> <tr> <td>#9</td> <td>45"</td> <td>54"</td> <td>34"</td> <td>41"</td> </tr> </tbody> </table> <p><b>SPLICING OF REINFORCING IN GROUTED MASONRY CONSTRUCTION</b></p> <table border="1"> <thead> <tr> <th rowspan="2">BAR SIZE</th> <th colspan="2">TENSION</th> <th colspan="2">COMPRESSION</th> </tr> <tr> <th>GR. 40</th> <th>GR. 60</th> <th>GR. 40</th> <th>GR. 60</th> </tr> </thead> <tbody> <tr> <td>#4</td> <td>24"</td> <td>24"</td> <td>15"</td> <td>15"</td> </tr> <tr> <td>#5</td> <td>30"</td> <td>30"</td> <td>19"</td> <td>19"</td> </tr> <tr> <td>#6</td> <td>36"</td> <td>36"</td> <td>23"</td> <td>23"</td> </tr> <tr> <td>#7</td> <td>42"</td> <td>42"</td> <td>26"</td> <td>26"</td> </tr> <tr> <td>#8</td> <td>48"</td> <td>48"</td> <td>30"</td> <td>30"</td> </tr> <tr> <td>#9</td> <td>54"</td> <td>54"</td> <td>34"</td> <td>34"</td> </tr> </tbody> </table> <p>NOTES</p> <ol style="list-style-type: none"> <li>TENSION DEVELOPMENT AND SPLICING SHALL BE USED UNLESS COMPRESSION IS SPECIFICALLY NOTED IN DRAWINGS.</li> <li>BARs MAY BE CONSIDERED SPLICED WHEN PLACED IN ADJACENT GROUTED CELLS, HOWEVER, EVEN IF IN SAME CELL, ANY TIME BARS ARE NOT IN CONTACT SPLICE LENGTH SHALL BE INCREASED BY 30%.</li> <li>MAXIMUM GROUT LIFT IS 6'-0" IN ACCORDANCE WITH U.B.C. 2104.6.1. HIGHER GROUT POURS MAY BE USED IF CLEAN-OUTS ARE PROVIDED AND IT IS DEMONSTRATED TO THE SPECIAL INSPECTOR THAT GROUT SPACES CAN BE PROPERLY FILLED.</li> </ol> <p>Reinforcing Splice &amp; Development Length Schedule</p>	BAR SIZE	TENSION		COMPRESSION		GR. 40	GR. 60	GR. 40	GR. 60	#4	20"	24"	15"	18"	#5	25"	30"	19"	23"	#6	30"	36"	23"	27"	#7	35"	42"	26"	32"	#8	40"	48"	30"	36"	#9	45"	54"	34"	41"	BAR SIZE	TENSION		COMPRESSION		GR. 40	GR. 60	GR. 40	GR. 60	#4	24"	24"	15"	15"	#5	30"	30"	19"	19"	#6	36"	36"	23"	23"	#7	42"	42"	26"	26"	#8	48"	48"	30"	30"	#9	54"	54"	34"	34"
BAR SIZE	TENSION		COMPRESSION																																																																																
	GR. 40	GR. 60	GR. 40	GR. 60																																																																															
#4	20"	24"	15"	18"																																																																															
#5	25"	30"	19"	23"																																																																															
#6	30"	36"	23"	27"																																																																															
#7	35"	42"	26"	32"																																																																															
#8	40"	48"	30"	36"																																																																															
#9	45"	54"	34"	41"																																																																															
BAR SIZE	TENSION		COMPRESSION																																																																																
	GR. 40	GR. 60	GR. 40	GR. 60																																																																															
#4	24"	24"	15"	15"																																																																															
#5	30"	30"	19"	19"																																																																															
#6	36"	36"	23"	23"																																																																															
#7	42"	42"	26"	26"																																																																															
#8	48"	48"	30"	30"																																																																															
#9	54"	54"	34"	34"																																																																															
7	8	9	10	11	12																																																																														
13	14	15	16	17	18																																																																														
19	20	21	22	23	24																																																																														
25	26	27	28	29	30																																																																														

DATE: 5/18/99  
REVISION: CONSTRU. SET

JEC  
BTL  
CSD  
HRB  
JEC

COUGHLIN PORTER LUNDEEN  
A CONSULTING, STRUCTURAL, AND CIVIL ENGINEERING CORPORATION  
217 PINE STREET, SUITE 300  
SEATTLE, WA 98101  
P: 206-343-5400  
F: 206-343-5404



**MASONRY DETAILS**

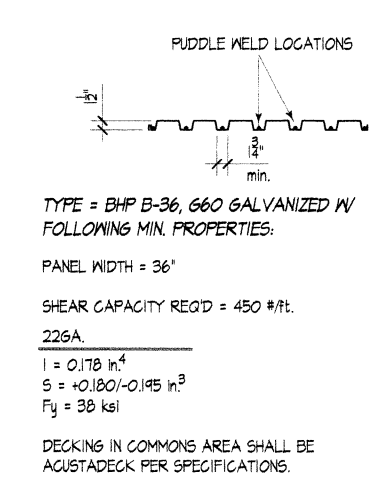
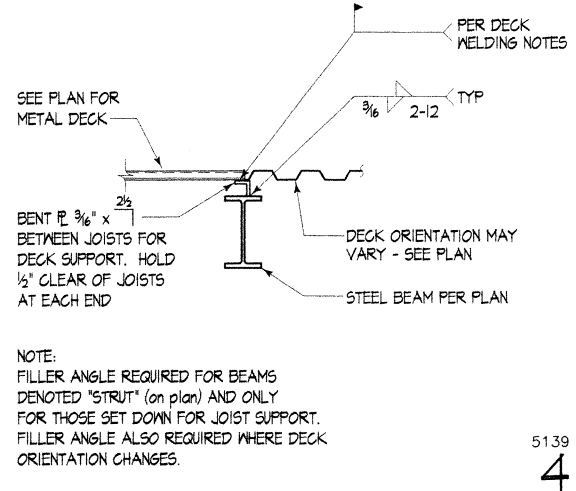
98-0027-04  
MAY 18, 1999

S4.1 CONSTRUCTION SET

Project: SUN HEALTHCARE SYSTEMS, INC. - ANACORTES CAMPUS, PHASE ONE  
Date: 5/18/99  
By: JEC  
Checked: JEC  
Scale: 1/8" = 1'-0"  
Notes: SEE DETAIL 24/541

Project: SUN HEALTHCARE 4/25/99 4:45 p.m. New 21/17 Scale: 1/8" = 1'-0" Date: 5/18/99

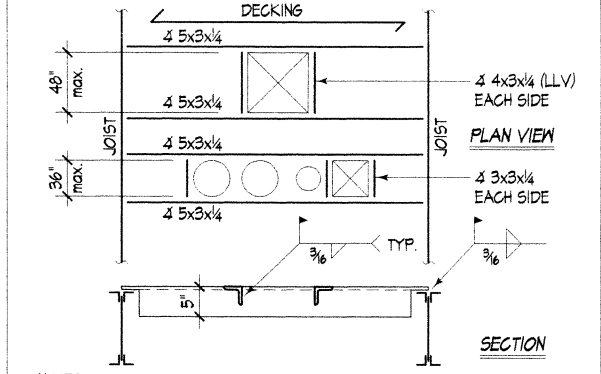
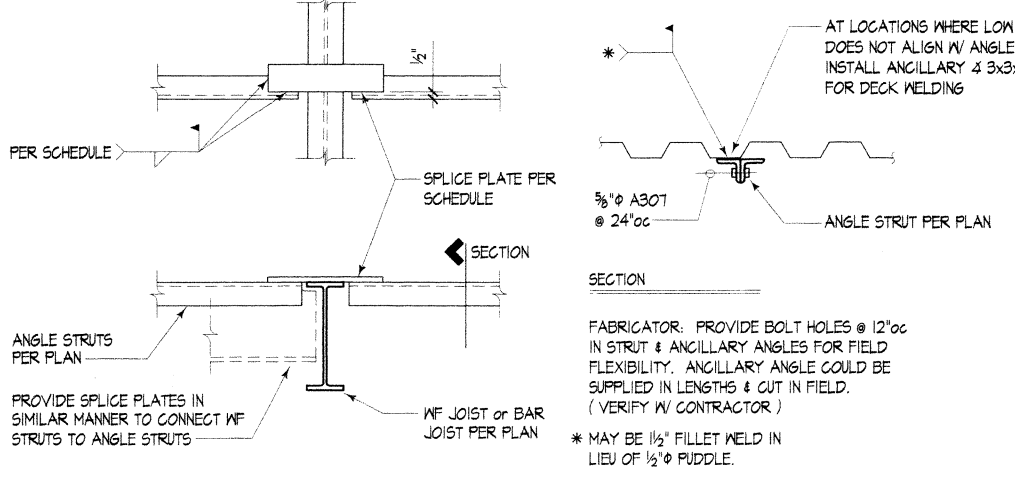
1	2	3	4	5139	6	5208	6
7	8	9	5140	17	5222	12	18
13	14	15	5167	23	4203	24	24
19	20	21	S167	22	1/2" = 1'-0"	24	24
25	26	27	S167	28	1/2" = 1'-0"	24	24



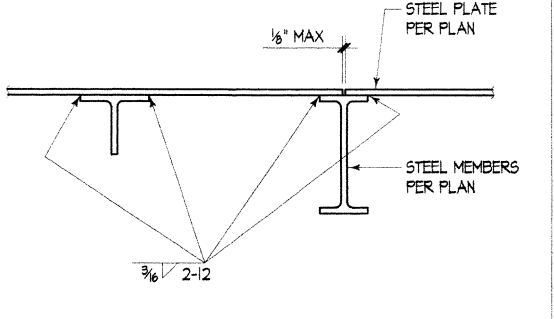
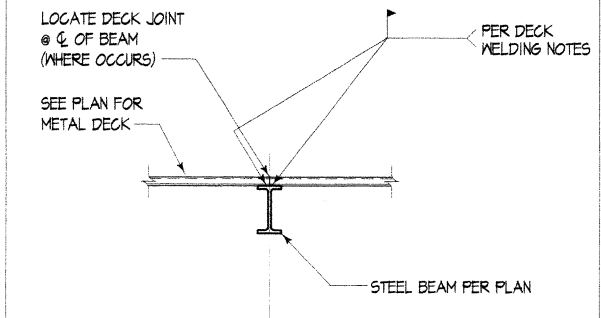
- MAXIMUM DECK SPAN = 8'-0" c. to c. (TWO OR MORE CONTINUOUS SPANS). USE HEAVIER GAGE WHERE DECK REQ'D TO SIMPLE SPAN OVER 7'-0" c. to c.
- PROVIDE (7) 1/2" DIAMETER RIDDLE WELDS PER SHEET TO ALL SUPPORTS PERPENDICULAR TO DECK FLUTES.
- PROVIDE 1/2" DIAMETER RIDDLE WELDS AT 18" oc TO ALL STRUTS PARALLEL TO DECK FLUTES. PROVIDE 1/2" DIAMETER RIDDLE WELDS @ 18" oc WHERE DECK ORIENTATION CHANGES AND OTHER SUPPORTS PARALLEL TO DECK FLUTES.
- CONNECT DECK SEAMS WITH BUTT FINCHES @ 12" oc.
- DECK TYPE MUST STRICTLY MEET CRITERIA LISTED ABOVE, INCLUDING I.G.B.O. RESEARCH REPORT ALLOWABLE SHEAR LOADS. SUBMIT DECK INFORMATION TO ENGINEER PRIOR TO BEGINNING SHOP DRAWINGS.
- REINFORCE MISCELLANEOUS DECK OPENINGS PER 12/5/11.

LOAD	ANGLE SIZE	SPLICE PLATE	SPLICE PLATE WELD
UP TO 18k	4 2 1/2 x 2 1/2 x 1/4"	1/2" x 3 1/2"	3/8" x 1" TOTAL LENGTH

\* 4 5 x 3 1/4" WHERE OCCURS ADJACENT TO LH JOIST BEARING SEAT.



- NOTES:
- WELD DECK TO ANGLES W/ 1/2" RIDDLE WELDS @ 6" oc ALL AROUND.
  - NO REINF. IS REQUIRED FOR SINGLE OPENINGS 4" ø OR 4" x 4" OR LESS.
  - LARGER OPENINGS MUST BE COORDINATED W/ ARCHITECT & ENGINEER.



**M**  
MITHUN PARTNERS  
ARCHITECTURE PLANNING & INTERIOR DESIGN  
414 OLIVE WAY  
SUITE 200  
SEATTLE WA 98101  
(206) 452-2344  
FACSIMILE 452-7444

**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

DATE: 5/18/99  
REVISION: CONSTRU. SET

JEC  
PROJECT ENGINEER  
BTL  
PROJECT MANAGER  
CSD  
PROJECT ENGINEER  
HRB  
DRAWN  
JEC  
CHECKED

**COUGHLIN PORTER LUNDEEN**  
A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
217 PINE STREET - SUITE 300  
SEATTLE, WA 98101  
TEL: 206-343-9400  
FAX: 206-343-9901

**JAMES E. COUGHLIN**  
REGISTERED PROFESSIONAL ENGINEER  
EMPLOYED 7/20/98

NO. DECKING  
DETAILS

98-0027-04  
OR. PROJECT NO.  
MAY 18, 1999  
DATE

CONTRACTOR FILE NAME

**S5.1** CONSTRUCTION SET

**Typical Shear Plate Connection Schedule**

BEAM SIZE	NO. OF BOLTS	BOLT <sup>①</sup> SIZE	PLATE <sup>②</sup> THICKNESS	WELD SIZE	CAPACITY
W8, W10	2	3/8"	1/4"	3/8"	8K
W12, MC12, C12	3	3/8"	1/4"	3/8"	16K
W14	3	3/8"	1/4"	3/8"	16K
W16	4	3/8"	1/4"	3/8"	26K
W18	5	3/8"	1/4"	3/8"	36K
W21	4	1"	3/8"	3/8"	46K

① BOLT TYPE = A325N  
 ② PLATE MATERIAL = A36

**BEAM TO COLUMN CONNECTIONS:**  
 1. Skewed Metal Stud Wall Connection (5149)  
 2. Skewed Metal Stud Wall Connection (5147)  
 3. Skewed Metal Stud Wall Connection (5146)  
 4. Skewed Metal Stud Wall Connection (5148)  
 5. Skewed Metal Stud Wall Connection (5149)  
 6. Skewed Metal Stud Wall Connection (5147)  
 7. Skewed Metal Stud Wall Connection (5146)  
 8. Skewed Metal Stud Wall Connection (5148)  
 9. Skewed Metal Stud Wall Connection (5149)  
 10. Skewed Metal Stud Wall Connection (5147)  
 11. Skewed Metal Stud Wall Connection (5146)  
 12. Skewed Metal Stud Wall Connection (5148)

**BEAM TO BEAM CONNECTIONS:**  
 13. Beam-to-Beam Connection (5143)  
 14. Beam-to-Beam Connection (5144)  
 15. Beam-to-Beam Connection (5145)  
 16. Beam-to-Beam Connection (5146)  
 17. Beam-to-Beam Connection (5147)  
 18. Beam-to-Beam Connection (5148)  
 19. Beam-to-Beam Connection (5149)  
 20. Beam-to-Beam Connection (5150)  
 21. Beam-to-Beam Connection (5151)  
 22. Beam-to-Beam Connection (5152)  
 23. Beam-to-Beam Connection (5153)  
 24. Beam-to-Beam Connection (5154)  
 25. Beam-to-Beam Connection (5155)  
 26. Beam-to-Beam Connection (5156)  
 27. Beam-to-Beam Connection (5157)  
 28. Beam-to-Beam Connection (5158)  
 29. Beam-to-Beam Connection (5159)  
 30. Beam-to-Beam Connection (5160)

**TABLES:**  
 Table 1: Capacity vs. Beam Size (5149)  
 Table 2: Capacity vs. Beam Size (5149)

5/18/99 CONSTRU. SET

JEC  
 BTL  
 CSD  
 HRB  
 JEC

**COUGHLIN PORTER LUNDEEN**  
 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
 217 PINE STREET SUITE 305  
 SEATTLE, WA 98101 P. 206-343-0400 F. 206-343-9991

**STANLEY E. COUGHLIN**  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 10000

TYPICAL STEEL FRAMING DETAILS

98-0027-04  
 MAY 18, 1999

CONSTRUCTION SET

Project: SUN HEALTHCARE ANACORTES Ph. 01-02/1998 Ph. 01-03/1998 Ph. 01-04/1998 Ph. 01-05/1998 Ph. 01-06/1998 Ph. 01-07/1998 Ph. 01-08/1998 Ph. 01-09/1998 Ph. 01-10/1998 Ph. 01-11/1998 Ph. 01-12/1998 Ph. 02-01/1999 Ph. 02-02/1999 Ph. 02-03/1999 Ph. 02-04/1999 Ph. 02-05/1999 Ph. 02-06/1999 Ph. 02-07/1999 Ph. 02-08/1999 Ph. 02-09/1999 Ph. 02-10/1999 Ph. 02-11/1999 Ph. 02-12/1999 Ph. 03-01/1999 Ph. 03-02/1999 Ph. 03-03/1999 Ph. 03-04/1999 Ph. 03-05/1999 Ph. 03-06/1999 Ph. 03-07/1999 Ph. 03-08/1999 Ph. 03-09/1999 Ph. 03-10/1999 Ph. 03-11/1999 Ph. 03-12/1999 Ph. 04-01/1999 Ph. 04-02/1999 Ph. 04-03/1999 Ph. 04-04/1999 Ph. 04-05/1999 Ph. 04-06/1999 Ph. 04-07/1999 Ph. 04-08/1999 Ph. 04-09/1999 Ph. 04-10/1999 Ph. 04-11/1999 Ph. 04-12/1999 Ph. 05-01/1999 Ph. 05-02/1999 Ph. 05-03/1999 Ph. 05-04/1999 Ph. 05-05/1999 Ph. 05-06/1999 Ph. 05-07/1999 Ph. 05-08/1999 Ph. 05-09/1999 Ph. 05-10/1999 Ph. 05-11/1999 Ph. 05-12/1999 Ph. 06-01/1999 Ph. 06-02/1999 Ph. 06-03/1999 Ph. 06-04/1999 Ph. 06-05/1999 Ph. 06-06/1999 Ph. 06-07/1999 Ph. 06-08/1999 Ph. 06-09/1999 Ph. 06-10/1999 Ph. 06-11/1999 Ph. 06-12/1999 Ph. 07-01/1999 Ph. 07-02/1999 Ph. 07-03/1999 Ph. 07-04/1999 Ph. 07-05/1999 Ph. 07-06/1999 Ph. 07-07/1999 Ph. 07-08/1999 Ph. 07-09/1999 Ph. 07-10/1999 Ph. 07-11/1999 Ph. 07-12/1999 Ph. 08-01/1999 Ph. 08-02/1999 Ph. 08-03/1999 Ph. 08-04/1999 Ph. 08-05/1999 Ph. 08-06/1999 Ph. 08-07/1999 Ph. 08-08/1999 Ph. 08-09/1999 Ph. 08-10/1999 Ph. 08-11/1999 Ph. 08-12/1999 Ph. 09-01/1999 Ph. 09-02/1999 Ph. 09-03/1999 Ph. 09-04/1999 Ph. 09-05/1999 Ph. 09-06/1999 Ph. 09-07/1999 Ph. 09-08/1999 Ph. 09-09/1999 Ph. 09-10/1999 Ph. 09-11/1999 Ph. 09-12/1999 Ph. 10-01/1999 Ph. 10-02/1999 Ph. 10-03/1999 Ph. 10-04/1999 Ph. 10-05/1999 Ph. 10-06/1999 Ph. 10-07/1999 Ph. 10-08/1999 Ph. 10-09/1999 Ph. 10-10/1999 Ph. 10-11/1999 Ph. 10-12/1999 Ph. 11-01/1999 Ph. 11-02/1999 Ph. 11-03/1999 Ph. 11-04/1999 Ph. 11-05/1999 Ph. 11-06/1999 Ph. 11-07/1999 Ph. 11-08/1999 Ph. 11-09/1999 Ph. 11-10/1999 Ph. 11-11/1999 Ph. 11-12/1999 Ph. 12-01/1999 Ph. 12-02/1999 Ph. 12-03/1999 Ph. 12-04/1999 Ph. 12-05/1999 Ph. 12-06/1999 Ph. 12-07/1999 Ph. 12-08/1999 Ph. 12-09/1999 Ph. 12-10/1999 Ph. 12-11/1999 Ph. 12-12/1999

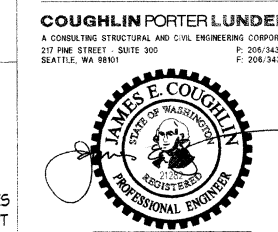


**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

<p>STEEL PLATE PER PLAN BOLTS PER 5/55.3 BEAMS PER PLAN</p> <p>1</p>	<p>SLOPED WALL BEYOND SHEATHING &amp; TOPPING PER PLAN STEEL I<sub>e</sub> PER PLAN BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 5/55.3</p> <p>2</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>3</p>	<p>SKewed METAL STUDS PER PLAN # 30/5T1 2x BLOCKING SHEATHING &amp; TOPPING PER PLAN STEEL I<sub>e</sub> PER PLAN JOISTS PER PLAN A35 EA. JOIST WOOD I<sub>e</sub> PER 30/55.3 BEAM PER PLAN SUPPORT BEAM BEYOND (2) 3/4" Ø BOLTS EA. SIDE OF WEB @ BEAM 6118 GAGES</p> <p>4</p>	<p>SKewed METAL STUDS PER PLAN # 30/5T1 2x BLOCKING SHEATHING &amp; TOPPING PER PLAN A35 EA. JOIST BENT I<sub>e</sub> 3/4" x 3" BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>5</p>	<p>SPACER PER 24/55.3 SHEATHING &amp; TOPPING PER PLAN JOISTS PER PLAN H/210-SIT TOP FLANGE JOIST HANGERS BEAM PER PLAN</p> <p>NOTE: THIS DETAIL APPLIES WHERE FINISHED FLOOR ELEVATION = 11'-6"</p> <p>6</p>
<p>(2) 1/2" Ø CARRIAGE BOLTS @ EA. DECK PIECE WOOD DECKING PER PLAN TRUSS BOTTOM CHORD</p> <p>7</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>8</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>9</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>10</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>11</p>	<p>SPACER PER 24/55.3 SHEATHING &amp; TOPPING PER PLAN JOISTS PER PLAN H/210-SIT TOP FLANGE JOIST HANGERS BEAM PER PLAN</p> <p>NOTE: THIS DETAIL APPLIES WHERE FINISHED FLOOR ELEVATION = 11'-6"</p> <p>12</p>
<p>NOTE: FABRICATOR SHALL PROVIDE SIMILAR END PLATE &amp; CONNECT TO PIPE COL. WHERE OCCURS BEAM BELOW STUD WALL PER PLAN PER ARCH/CL 1/4" END I<sub>e</sub> CHANNEL WEBS TO END I<sub>e</sub> PLAN VIEW</p> <p>13</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN CHANNELS PER PLAN CONN. PLATES @ CHANNEL ENDS PER 14/55.3 2" VERIFY 1'-0" VERIFY</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>14</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>15</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>16</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>17</p>	<p>DIAPHRAGM BOUNDARY NAILING PER PLAN NOTES 2x RIM JOIST A35 CLIPS @ 3'-0" OC SHEATHING &amp; TOPPING PER PLAN WOOD I<sub>e</sub> PER 30/55.3 CONT. 186A x 125 W/ DRIVE PINS TO BEAM @ 12" OC (INSTALL PRIOR TO TILTING STUD/WALL) WOOD STUD WALL PER 521 &amp; 17/55.1 SHEATHING PER PLAN NOTES AND SHEAR WALL SCHEDULE BOTTOM TRACK ATTACHMENT PER 10/56.1 SCREWS PER 10/56.1 NAIL SAME AS PANEL EDGE NAILING 186A I<sub>e</sub> BLOCKING BETWEEN WOOD STUDS W/ #8 SCREWS @ 6" OC TO WOOD &amp; #8 SCREWS @ 12" OC TO METAL ANGEL'S "MS" CLIPS AT EACH STUD, WELDED TO ANGLE, NOT TO STUDS. USE 186A CLIP, U.O.N. 44x3x1/4 CONT. LLH SCREWS @ SAME SPACING AS PANEL EDGE NAILING 186A DEEP LEG TRACK BLOCKING W/ #8 SCREWS @ 4" OC</p> <p>18</p>
<p>WOOD STUD SHEAR WALL PER PLAN &amp; SCHEDULE RIM JOIST W/ (3) 1/2" EA. STUD JOIST HANGERS PER GENERAL STRUCTURAL NOTES SHEATHING &amp; TOPPING PER PLAN JOISTS PER PLAN BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 12/55.3 &amp; 27/55.3</p> <p>19</p>	<p>SHEATH &amp; NAIL SAME AS SHEAR WALL BELOW STRAP PER PLAN 2x BLOCKING TOP &amp; BOTTOM OF EA. JOIST SPACE JOISTS PER PLAN WOOD SHEAR WALL PER PLAN &amp; SCHEDULE 3" DEFLECTION ALLOWANCE</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>20</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>21</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>22</p>	<p>METAL STUDS PER PLAN # 30/5T1 SHEATHING &amp; TOPPING PER PLAN ANGLE PER 10/55.3 @ GRID C1 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 10/55.3</p> <p>23</p>	<p>2x BLOCKING EA. SPACE FRAMING CLIPS PER 30/55.3 JOISTS PER PLAN BEAM PER PLAN WOOD STUD SHEAR WALL PER PLAN &amp; SCHEDULE 3/8" Ø STEEL RODS x 4 1/2" LONG @ 12" OC</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 30/55.3</p> <p>24</p>
<p>WOOD STUD SHEAR WALL PER PLAN &amp; SCHEDULE RIM JOIST W/ (3) 1/2" EA. STUD JOIST HANGERS PER GENERAL STRUCTURAL NOTES SHEATHING &amp; TOPPING PER PLAN JOISTS PER PLAN BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 12/55.3 &amp; 27/55.3</p> <p>25</p>	<p>16d TOENAILS @ 12" OC 2x6 SLEEPERS OVER BEAMS EA. W/ (2) ROWS 16d @ 8" OC TO WOOD BELOW SHEATHING &amp; TOPPING PER PLAN SHEATHING PER PLAN FLOOR EL. BEYOND PER PLAN FLUSH FRAME JOISTS PER 12/55.3 TOP FLANGE HANGER PER 12/55.3 JOISTS PER PLAN BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 30/55.3</p> <p>26</p>	<p>16d TOENAILS @ 12" OC SHEATHING &amp; TOPPING PER PLAN FLOOR EL. BEYOND PER PLAN FLUSH FRAME JOISTS PER 12/55.3 TOP FLANGE HANGER PER 12/55.3 BEAM PER PLAN</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 30/55.3 &amp; 26/55.3</p> <p>27</p>	<p>SHEATHING &amp; TOPPING PER PLAN 2x BLOCKING EA. SPACE A35 FRAMING CLIPS @ 12" OC 3/8" Ø THRU-BOLTS @ 36" OC CENTERED ON 1/4" x 1/4" VERTICAL SLOT BEAM PER PLAN DIAPHRAGM BOUNDARY NAILING PER PLAN NOTES 3/8" Ø x 3" LAG BOLTS @ 4 1/2" OC BENT I<sub>e</sub> 3/4" x 4" CONT. PLATES - SPLICE PER 6/56.1 WOOD STUD SHEAR WALL PER PLAN &amp; SCHEDULE *FINGER TIGHTEN NUT AND INSTALL LOCK NUT</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 30/55.3</p> <p>28</p>	<p>(2) 1/2" EA. JOIST, EA. SPACER DOUBLE JOISTS PER PLAN 2x6 x 0'-11" SPACER @ SUPPORTS AND 48" OC</p> <p>29</p>	<p>SPACER PER 24/55.3 DIAPHRAGM BOUNDARY NAILING PER PLAN NOTES @ BEAMS MARKED STRUT SHEATHING &amp; TOPPING PER PLAN 2x BLOCKING EA. SPACE AT BEAMS MARKED STRUT - (ALT SPACES AT OTHER BEAMS) A35 FRAMING CLIPS @ 12" OC AT BEAMS MARKED STRUT (16d TOENAILS @ 12" OC AT OTHER BEAMS) JOISTS PER PLAN 3x6 PLATE - CONNECT TO STEEL W/ 3/8" Ø CPL STUDS @ 36" OC (COUNTERSINK MASHER &amp; NUT)</p> <p>FOR CALL-OUTS IN COMMON SEE DETAIL 30/55.3</p> <p>30</p>

DATE: 5/18/99  
CONSTRU. SET

JEC  
DESIGNED & DRAWN  
BTL  
PROJECT MANAGER  
CSD  
PROJECT ENGINEER  
HRB  
CHECKER  
JEC



**COUGHLIN PORTER LUNDEEN**  
A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
20 PINE STREET, SUITE 300  
SEATTLE, WA 98101  
P: 206-340-0400  
F: 206-340-0401

OFFICE FLOOR  
FRAMING DETAILS

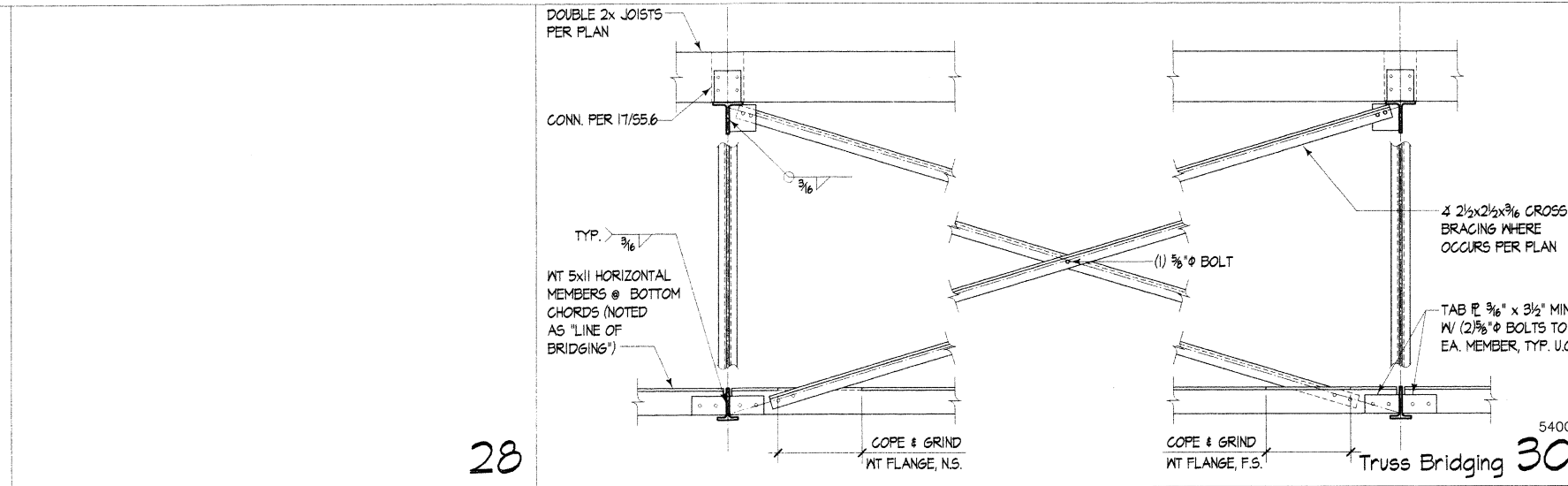
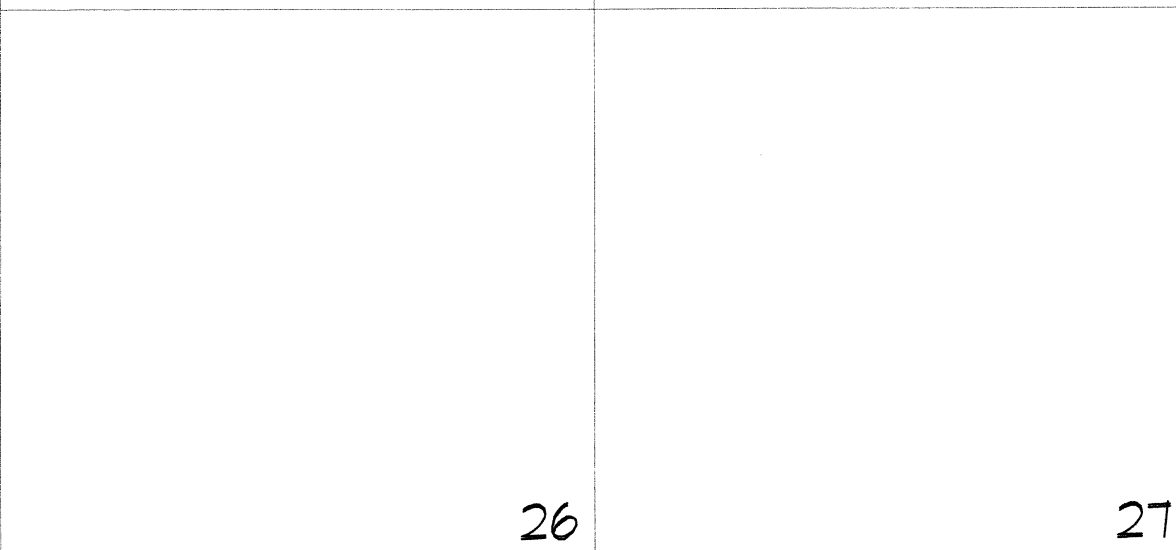
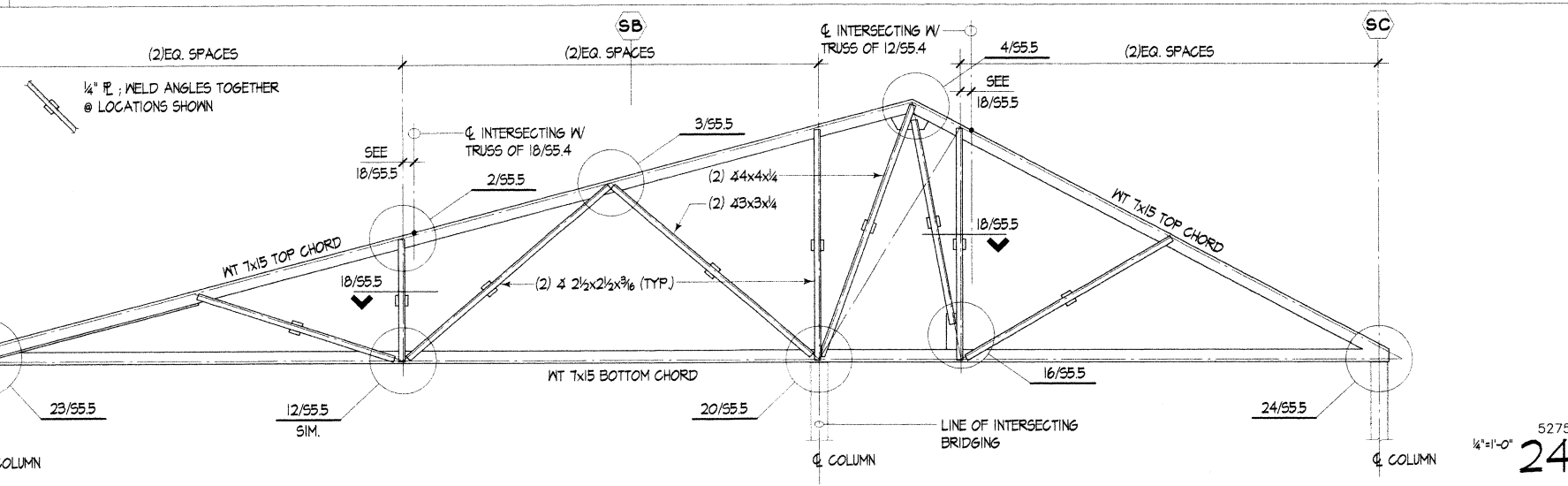
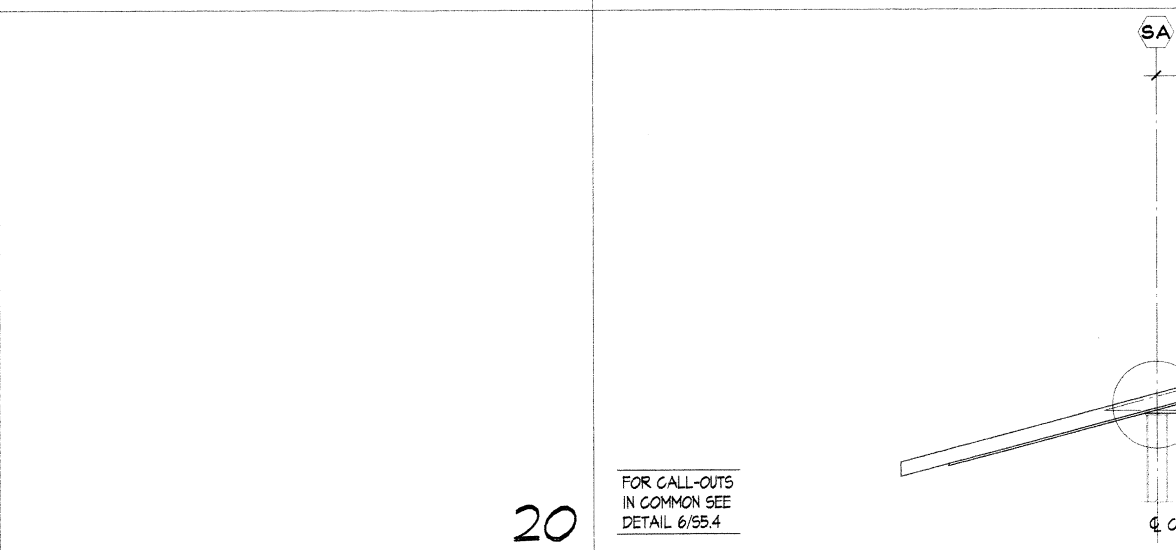
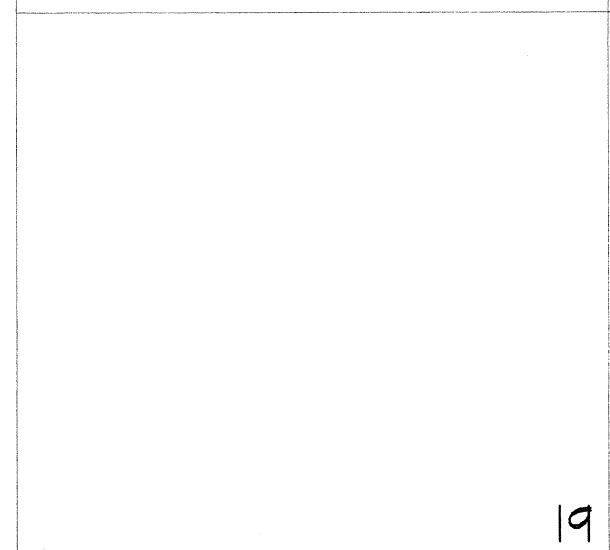
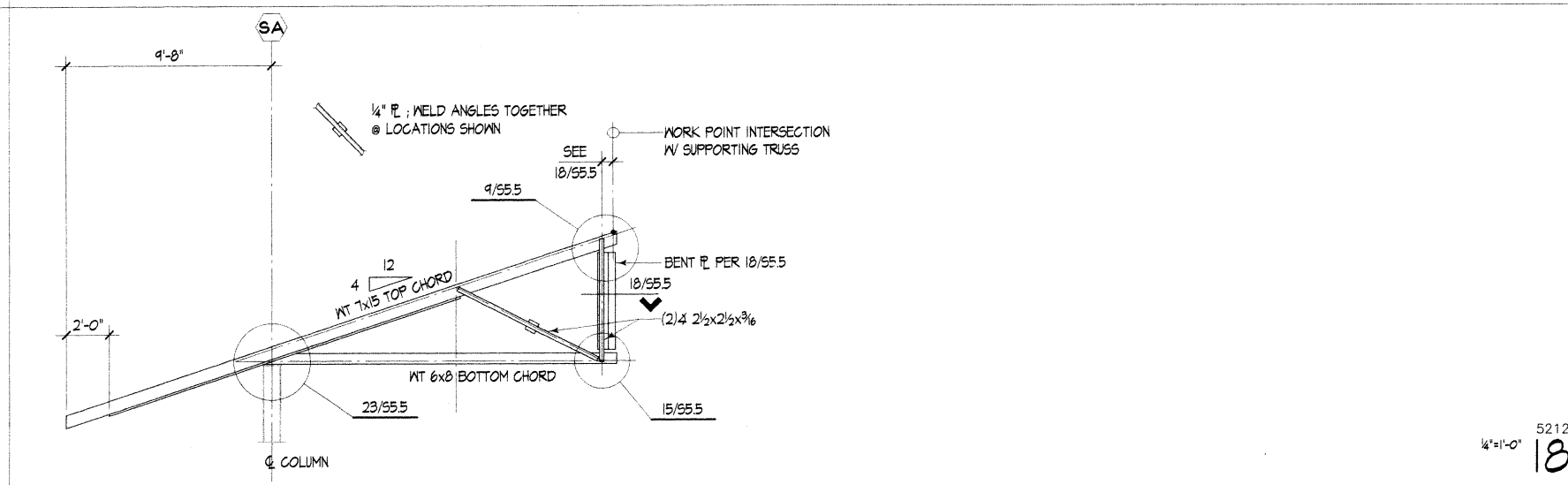
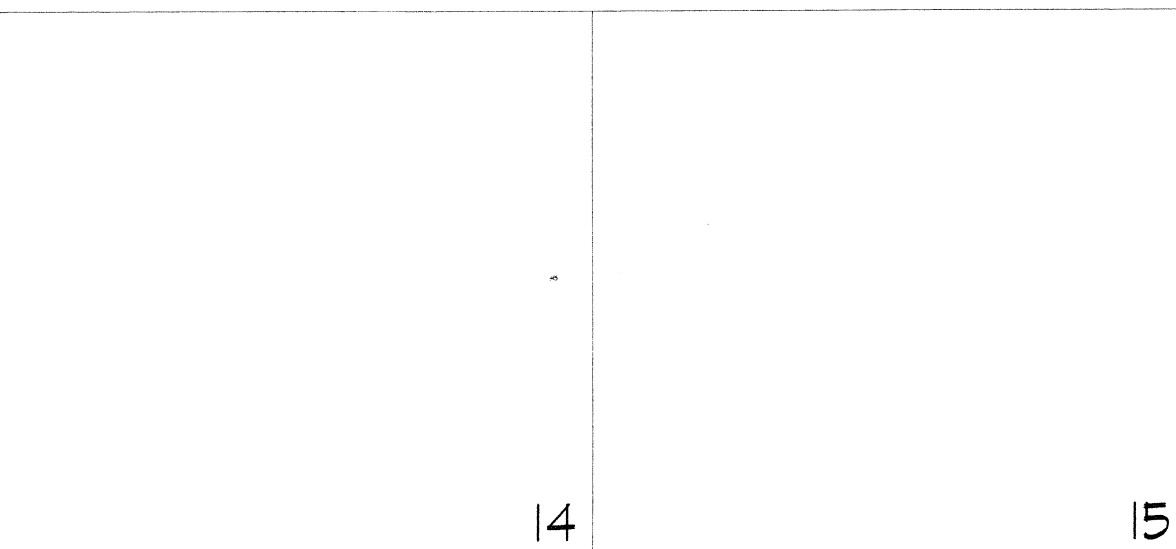
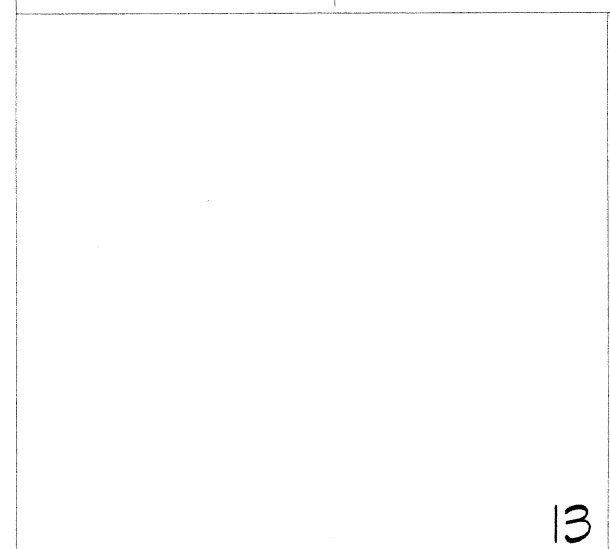
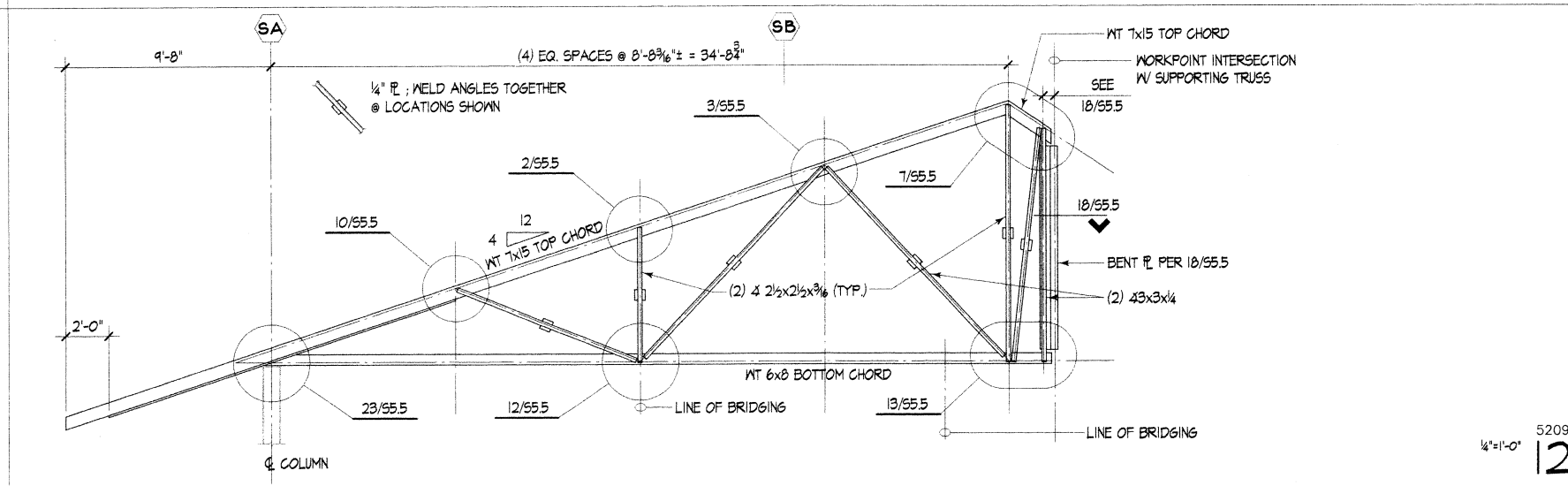
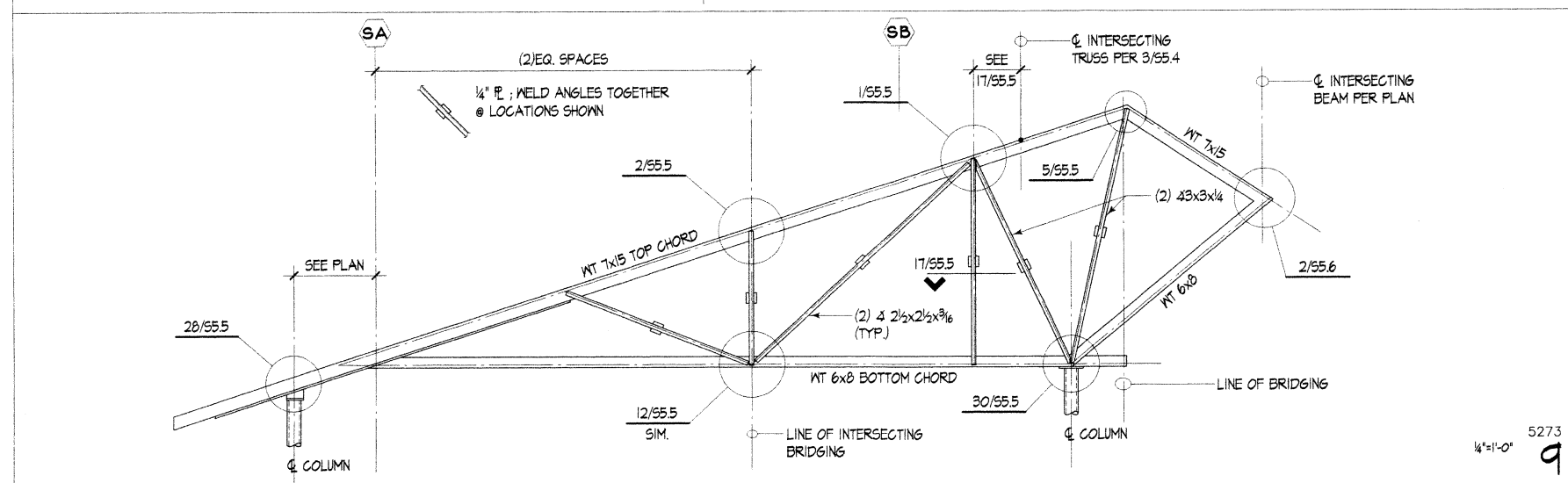
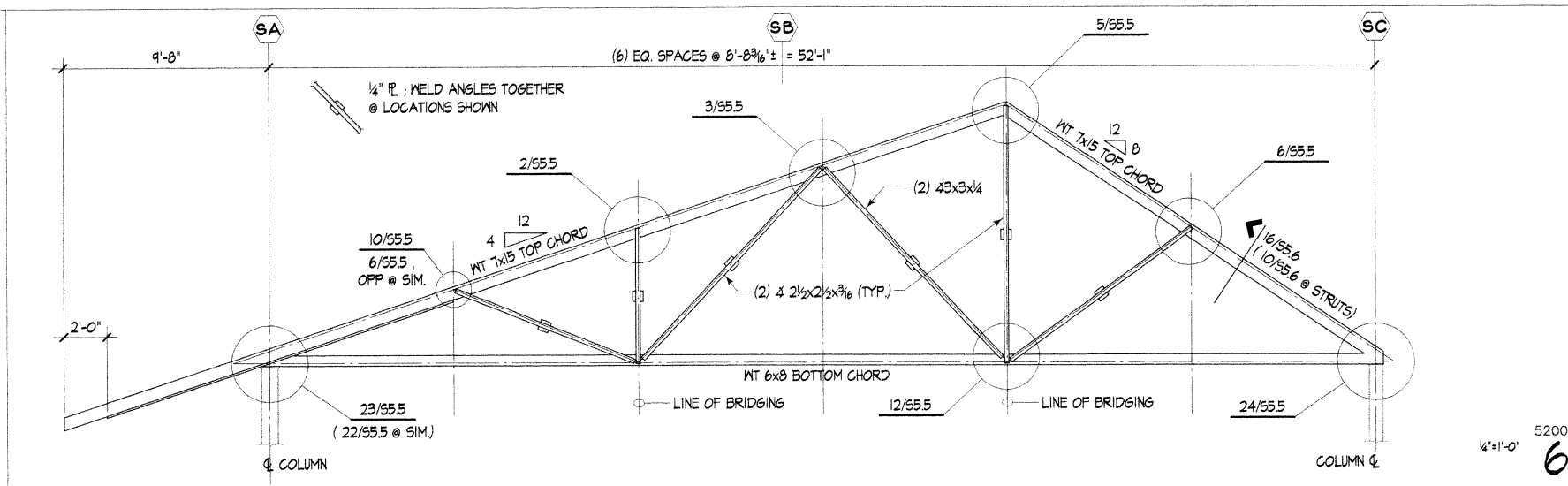
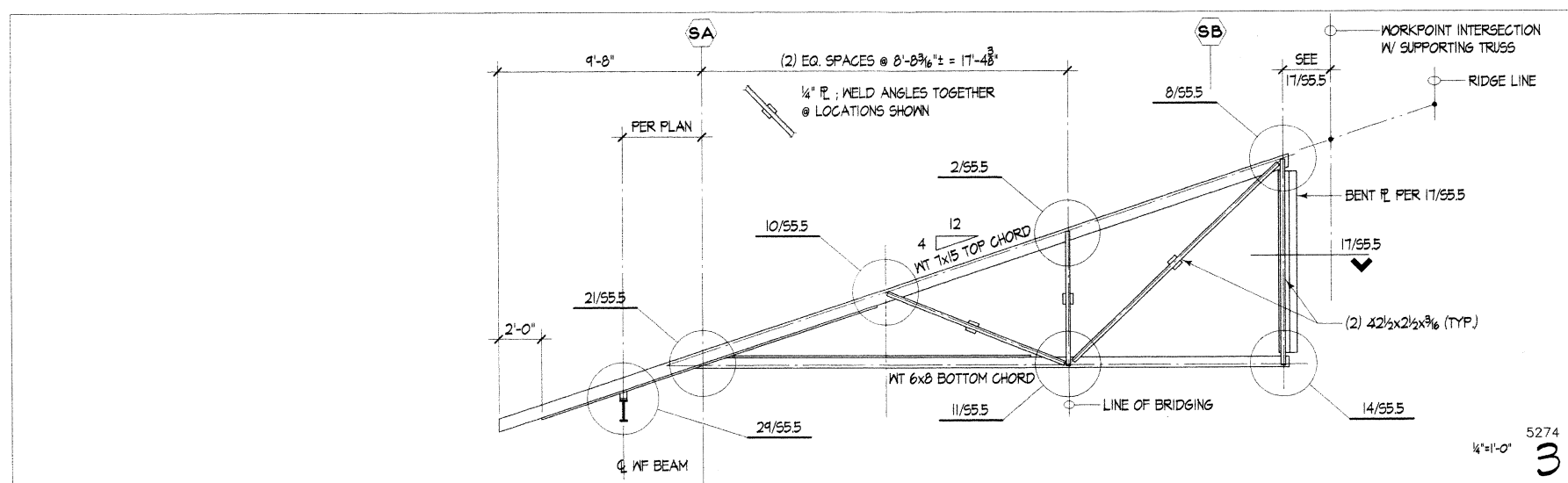
98-0027-04  
REVISED BY  
MAY 18, 1999  
DATE

CONSTRUCTION SET

Project: SUN HEALTHCARE ANACORTES/DATE: 05/18/99 4:55 P.M. Rev: 2007, Scale: 1/16, Location: none, Auto: 35-1000p



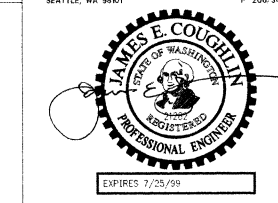
**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON



DATE: 5/18/99  
CONSTR. SET

JEC  
PARTNER IN CHARGE  
B.T.L.  
PROJECT MANAGER  
C.S.D.  
PROJECT ENGINEER  
H.R.B.  
DRAWN  
J.E.C.  
CHECKED

COUGHLIN PORTER LUNDEEN  
A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
217 PINE STREET SUITE 200  
SEATTLE, WA 98101  
P. 206-342-5400  
F. 206-342-5800



OFFICE BUILDING  
TRUSS ELEVATIONS

98-0027-04  
MAY 18, 1999

S5.4 CONSTRUCTION SET

Project: SUN HEALTHCARE ANACORTES/001205 File: S5-5400.dwg Date: 05/18/99 08:48:59 User: JEC Plot: 17x11 Date: 05/18/99



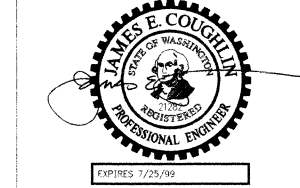
**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

<p>5298 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5204 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5203 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5224 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5201 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5202 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>
<p>5214 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5299 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5213 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5271 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5297 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5206 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>
<p>5210 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5399 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5211 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5225 NOTE: WELD WEB ANGLES TO WT PER 6/555, U.O.N.</p>	<p>5129 FOR CALL-OUTS IN COMMON SEE DETAIL 18/555</p>	<p>5272 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>
<p>5127 NOTE: WELD WEB ANGLES TO WT PER 6/555, U.O.N.</p>	<p>5127 NOTE: WELD WEB ANGLES TO WT PER 6/555, U.O.N.</p>	<p>5296 FOR CALL-OUTS IN COMMON SEE DETAIL 23/555</p>	<p>5270 FOR CALL-OUTS IN COMMON SEE DETAIL 24/555</p>	<p>5205 FOR CALL-OUTS IN COMMON SEE DETAIL 24/555</p>	<p>5207 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>
<p>5130 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5126 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5125 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5128 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5128 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>	<p>5128 NOTE: WELD WEB ANGLES TO WT PER 6/555</p>

DATE: 5/18/99  
CONSTRU. SET

JEC  
DESIGNED BY  
BTL  
PROJECT MANAGER  
CSD  
CHECKED BY  
HRB  
DATE  
JEC  
DATE

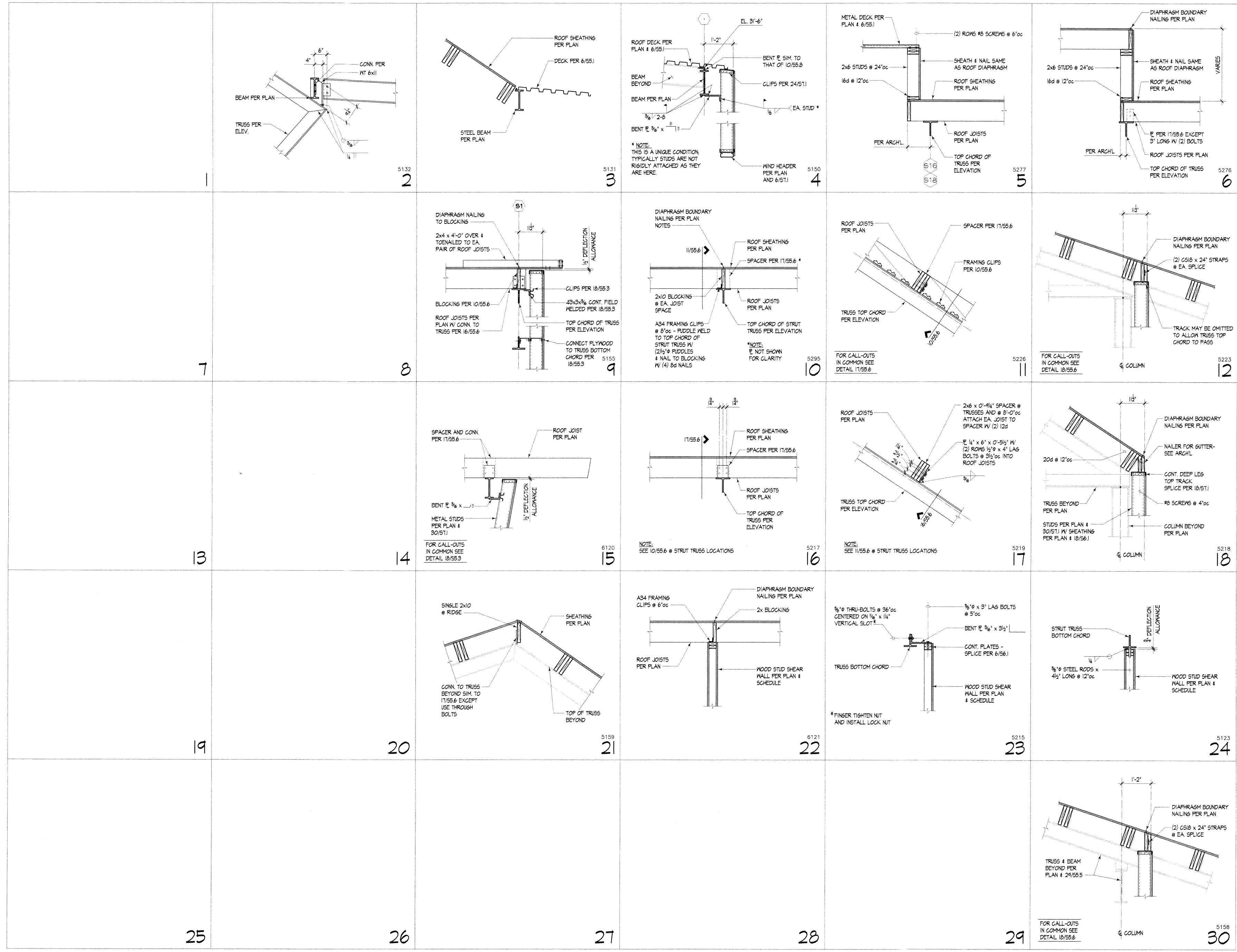
COUGHLIN PORTER LUNDEEN  
A CONSULTING ENGINEERING CORPORATION  
20 PINE STREET SUITE 300  
SEATTLE, WA 98101  
P. 206-443-5400  
F. 206-443-9300



TRUSS DETAILS  
98-0027-04  
REVISED  
MAY 18, 1999  
DATE  
COMPLEY FAX 114C  
S5.5 CONSTRUCTION SET

Project: SUN HEALTHCARE SYSTEMS - PHASE ONE - ANACORTES, WA - 5/18/99 - 4:57 PM - View: PLOT - Scale: 1/4" = 1'-0" - Layer: 0 - Plot Date: 5/18/99 - Plot Time: 4:57 PM - Plot User: JEC

Project: 508-1552616-4620240725 File: S5-056106.dwg Date: 05/18/99 11:16:18 User: JEC Scale: 1/8"=1'-0" Plot Date: 05/18/99 11:16:18

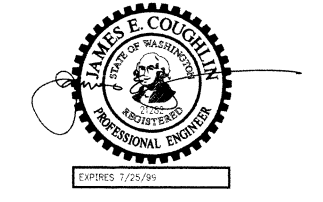


**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

DATE: 5/18/99  
 CONSTRU. SET

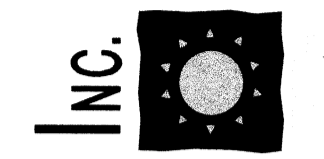
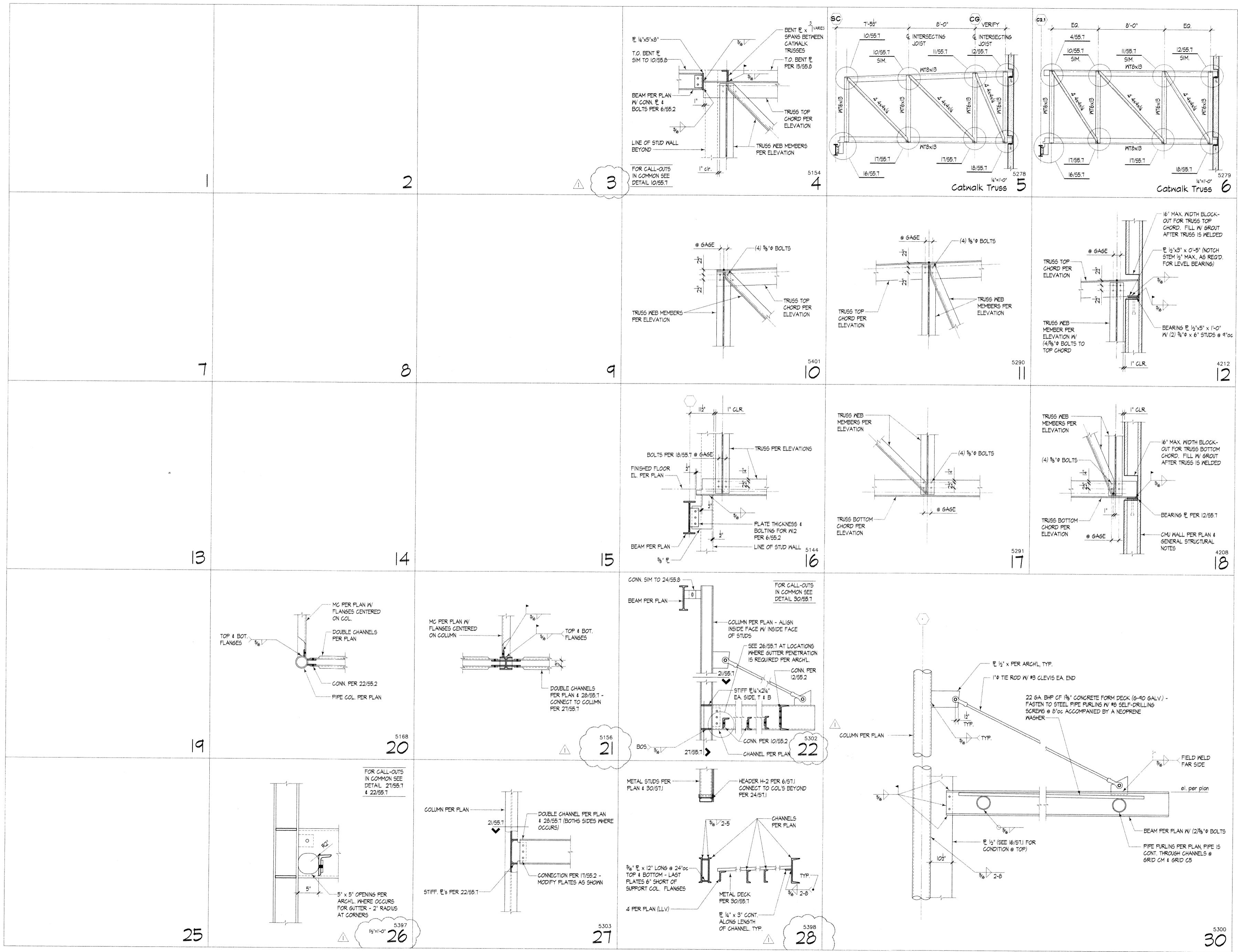
JEC  
 BTL  
 CSD  
 HRB  
 JEC

**COUGHLIN PORTER LUNDEEN**  
 A CONSULTING, STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
 107 PINE STREET, SUITE 200  
 SEATTLE, WA 98101  
 P: 206-343-9400  
 F: 206-343-9891



**OFFICE ROOF**  
**FRAMING DETAILS**  
 98-0027-04  
 MAY 18, 1999  
**S5.6** CONSTRUCTION SET



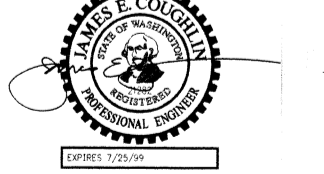


**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

DATE: 5/18/99  
 CONSTRU. SET

JEC  
 PARTNER IN CHARGE  
 BTL  
 PROJECT MANAGER  
 CSD  
 PROJECT ENGINEER  
 HRB  
 ENGINEER  
 JEC  
 CHECK

**COUGHLIN PORTER LUNDEEN**  
 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
 107 PINE STREET, SUITE 300  
 SEATTLE, WA 98101  
 F: 206.464.4400  
 F: 206.464.5881



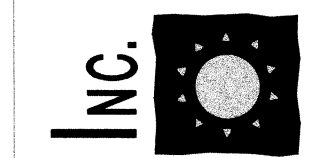
**COMMONS**  
**TRUSS ELEVATIONS**  
**AND DETAILS**

98-0027-04  
 ON PROJECT SINCE  
 MAY 18, 1999  
 DATE

COMPILED FILE NAME

**S5.7** CONSTRUCTION SET

Project: SUN HEALTHCARE SYSTEMS, INC. CAMPUS: PHASE ONE, ANACORTES, WASHINGTON  
 Date: 5/18/99  
 Scale: 1/4" = 1'-0"  
 Drawn: JEC  
 Checked: HRB  
 Approved: JEC  
 Date: 5/18/99



**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

1	2	<p>ROOF DECK PER PLAN &amp; 6/55.1 BEAM PER PLAN</p>	<p>T.O. STEEL EL. PER PLAN METAL DECK PER PLAN CONT. E. 3/8" x 6" JOIST PER PLAN</p>	<p>4 PER 4/55.1 2 1/2" x 1/2" JOIST 5' x 1" LH JOIST TOP OF BENT E. PER 10/55.0 2#8 SCREWS @ 12" OC THROUGH TOP TRACK INTO CONT. METAL 4 CONT. 4 PER 11/55.0</p>	<p>T.O. STEEL EL. PER PLAN METAL DECK PER PLAN BENT E. PER 10/55.0 BEAM PER PLAN METAL STUDS PER PLAN &amp; 30/51.1</p>
7	8	<p>BENT E. 3/8" x CONT. ALONG ROOF JOIST</p>	<p>DETAIL JOIST PER PLAN</p>	<p>TOP OF BENT E. PER 10/55.0 CONT. 4 166A x 1/4" (4#8 SCREWS TO EA BENT E. ON EXTENDED JOIST CHORD) 2 1/2" x 1/2" JOIST 5' x 1" LH JOIST BEAM PER PLAN JOIST PER PLAN</p>	<p>TOP OF BENT E. PER 10/55.0 METAL 4 PER 11/55.0 el. varies E 1/2" x 1/2" x 1/2" W (2 1/2" P BOLTS) CONN. E. FOR BEAMS - SEE 22/55.2 PIPE COLUMN PER PLAN JOIST PER PLAN</p>
13	14	<p>BENT E. 3/8" x CONT. ALONG TRUSS TOP CHORD T.O. STEEL EL. PER PLAN CONT. E. 3/8" x 3" 3/8" x 3-12 TRUSS TOP CHORD PER ELEVATION</p>	<p>METAL STUDS PER PLAN &amp; 30/51.1 CLIPS PER 24/51.1 METAL ANGLE PER 22/55.0 METAL DECK PER PLAN V5 MEMBER PER PLAN TRUSS PER ELEVATION</p>	<p>2 1/2" DEEP STEEL MEMBER BY JOIST MFR CATWALK TRUSSES PER PLAN JOIST PER PLAN</p>	<p>STUD FRAMING PER 5/55.0</p>
19	20	<p>WELD PER 6/55.1 CLIPS PER 24/51.1 METAL STUDS PER PLAN &amp; 30/51.1 TOP TRACK PER 30/51.1 SHEATHING PER SHEAR WALL SCHEDULE</p>	<p>SA FOR CALL-OUTS IN COMMON SEE DETAIL 22/55.0</p>	<p>SA FOR CALL-OUTS IN COMMON SEE DETAIL 24/55.0</p>	<p>SA FOR CALL-OUTS IN COMMON SEE DETAIL 24/55.0</p>
25	26	<p>SEE PLAN FOR BEAM SIZES AND ELEVATION E 3/8" x 3 1/2" W (2) 3/4" BOLTS @ 3" OC #8 or #10 PER PLAN SEE 12/55.2 FOR CONN. INFORMATION TYPICAL #8 &amp; #10 BEAMS</p>	<p>CF/SC C1 PIPE COL. PER PLAN CONN. PER 22/55.2 EXCEPT USE BENT E. AS SHOWN STRUT BEAM PER PLAN NOTE: SEE PLAN &amp; DETAILS FOR ADDITIONAL MEMBERS &amp; CONNECTIONS NOT SHOWN HERE</p>	<p>CF/SC C1 PIPE COL. AT EA. JOIST PER PLAN T.O. BENT E. SEE 10/55.0 2 1/2" x 3" W (2 3/4" BOLTS @ 3" OC) JOIST PER PLAN</p>	<p>CF/SC C1 PIPE COL. AT EA. JOIST PER PLAN T.O. BENT E. SEE 10/55.0 BRG. E. 3/8" x 4" x 7" JOIST PER PLAN TAB E. 1/2" x 4" @ EA. PIPE AND AT BEAM - PROVIDE 3/8" x 2" VERT SLOT IN ONE E. - USE 3/4" BOLT FINGER TIGHT W/ LOCK NUT FLOOR BEAM PER PLAN TYP. 3/8"</p>
25	26	27	28	29	30

DATE: 5/18/99  
CONSTRU. SET

JEC  
BTL  
CSD  
HRB  
JEC

**COUGHLIN PORTER LUNDEEN**  
A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
207 PINE STREET - SUITE 300  
SEATTLE, WA 98101  
P: 206-341-0400  
F: 206-341-0401

**JAMES E. COUGHLIN**  
REGISTERED PROFESSIONAL ENGINEER  
EXPIRES 1/25/99

COMMONS  
FRAMING  
DETAILS

98-0027-04  
MAY 18, 1999

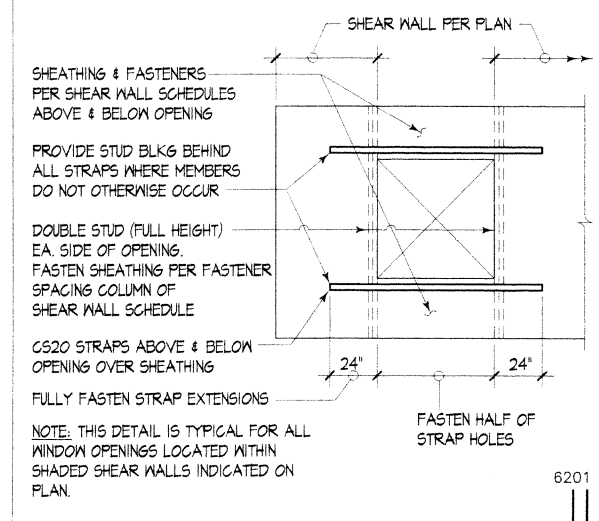
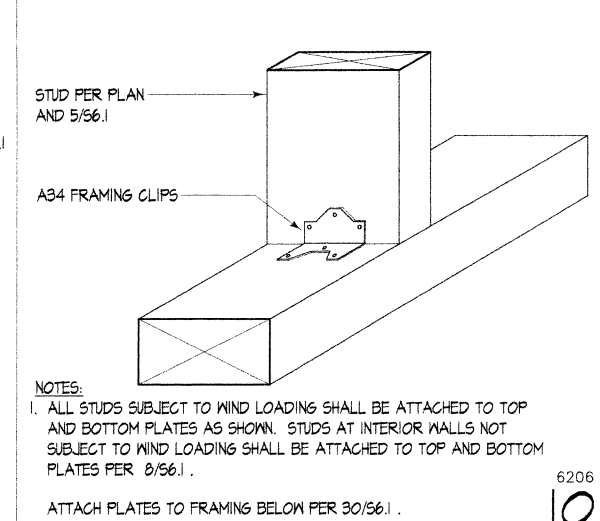
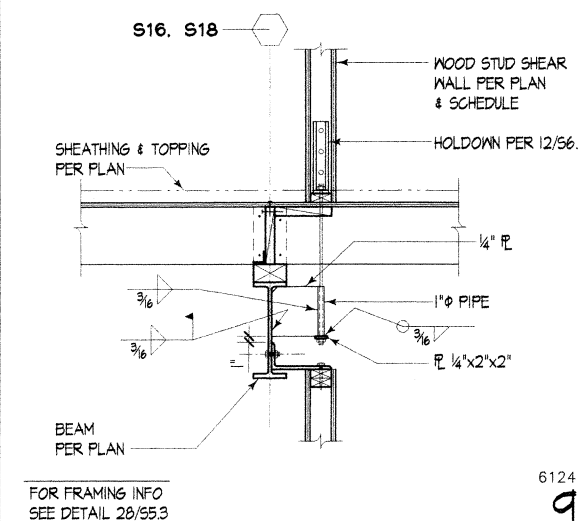
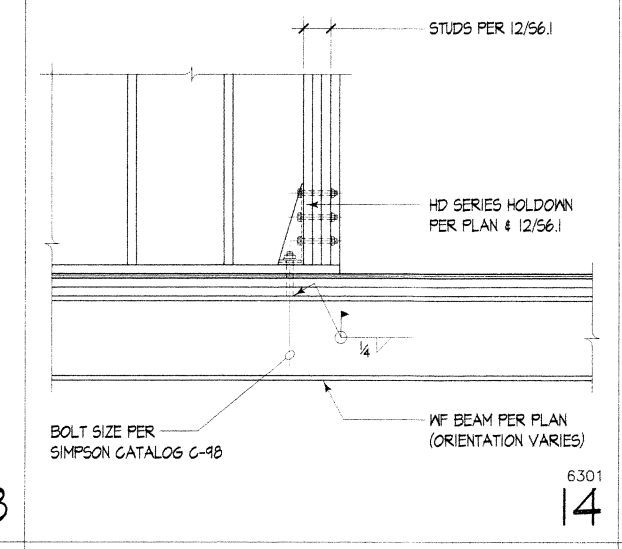
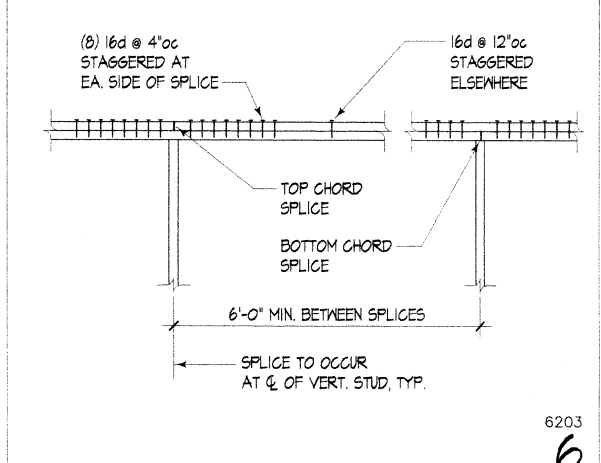
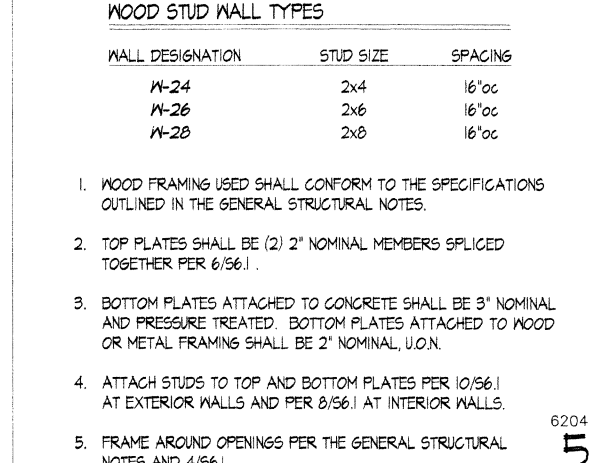
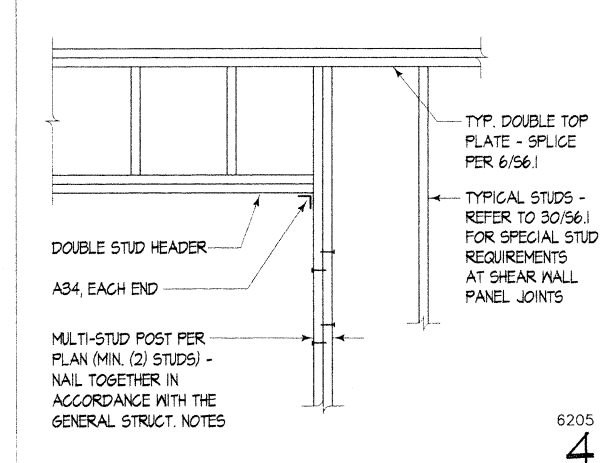
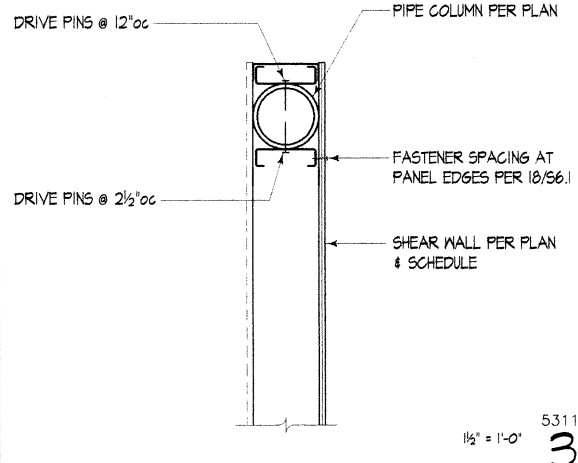
**S5.8** CONSTRUCTION SET

Project: SUN SYSTEMS HEALTHCARE/980705 File: S5-COMMONS.dwg Date: May 13, 1999 1:02:00 PM User: JEC Plot: Scale: 1:16 Copyright: none AutoCAD Release: 12/16/98

### NAILING SCHEDULE

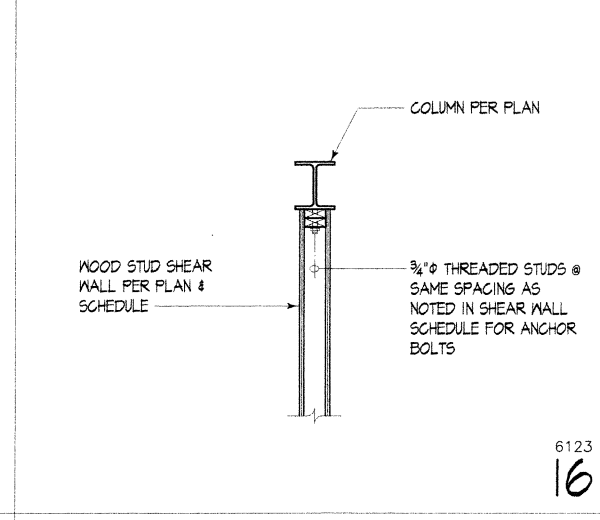
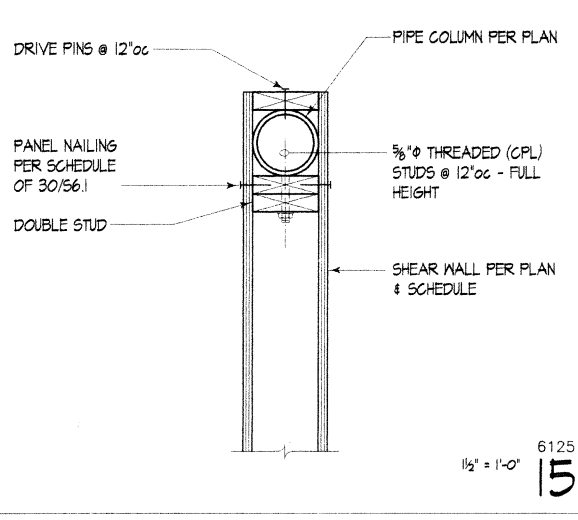
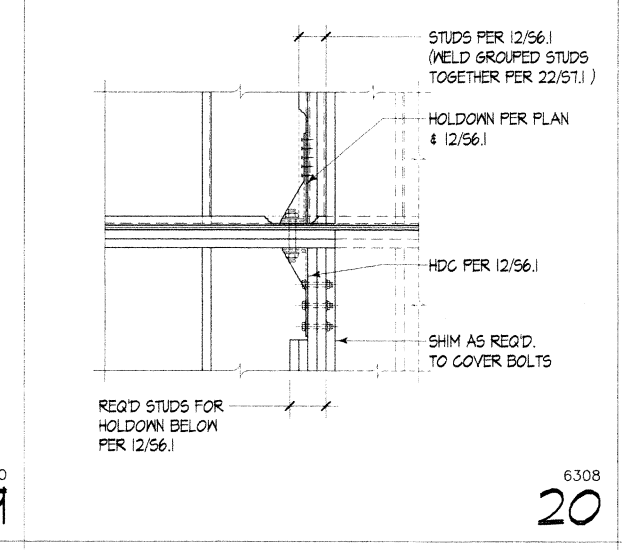
(per 1997 UBC Table 23-1-B-1)

CONNECTION	NAILING
1. Joist to sill or girder, toenail	(3) 8d
2. Bridging to joist, toenail each end	(2) 8d
3. 1" x 6" subfloor or less to each joist, face nail	(2) 8d
4. Wider than 1" x 6" subfloor to each joist, face nail	(3) 8d
5. 2" subfloor to joist or girder, blind and face nail	(2) 16d
6. Sole plate to joist or blocking, typical face nail	16d at 16" oc
Sole plate to joist or blocking at braced nail panels	(3) 16d per 16"
7. Top plate to stud, end nail	(2) 16d
8. Stud to sole plate	(4) 8d, toenail or (2) 16d, end nail
9. Double studs, face nail	16d at 24" oc
10. Doubled top plates, typical face nail	16d at 16" oc
Doubled top plates, lap splice	(8) 16d
11. Blocking between joists or rafters to top plate, toenail	(3) 8d
12. Rim joist to top plate, toenail	8d at 6" oc
13. Top plates, laps and intersections, face nail	(2) 16d
14. Continuous header, two pieces	16d at 16" oc along each edge
15. Ceiling joists to plate, toenail	(3) 8d
16. Continuous header to stud, toe nail	(4) 8d
17. Ceiling joists, lap over partitions, face nail	(3) 16d
18. Ceiling joists to parallel rafters, face nail	(3) 16d
19. Rafter to plate, toenail	(3) 8d
20. 1" brace to each stud and plate, face nail	(2) 8d
21. 1" x 8" sheathing or less to each bearing, face nail	(2) 8d
22. Wider than 1" x 8" sheathing to each bearing, face nail	(3) 8d
23. Built-up corner studs	16d at 24" oc
24. Built-up girder and beams	20d at 32" oc at top and bottom and staggered (2) 20d at ends and at each splice



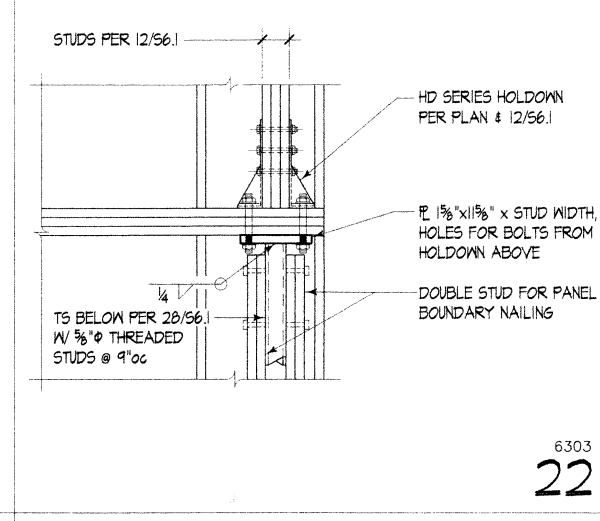
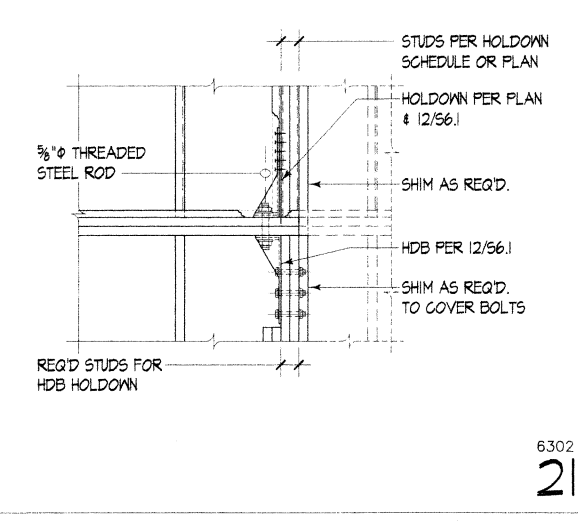
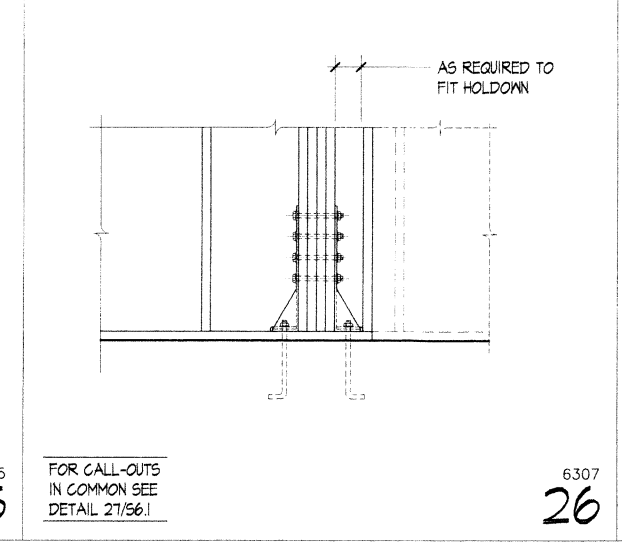
MARK	HOLDOWN	MIN. NUMBER STUDS, U.O.N.	MIN. NUMBER SCREWS	LOAD	DETAIL REF.
HDA	S/HTT4	(2)	(16) #10	5260#	27/56.1 28/56.1 29/56.1
HDB	HDBA	(2)	.	5415#	27/56.1 4/56.1
HDC	HD10A	(2)	.	8310#	27/56.1 14/56.1
HDD	S/HD10	(2)	(30) #10	9900#	25/56.1 20/56.1
HDE	HD15	(4)	.	15305#	27/56.1 14/56.1
HDF	(2) HD10A	(3)	.	19,080#	4/56.1 22/56.1
HDE	TS 3/2x3/4x4	(4)	.	33,200#	22/56.1 28/56.1

**HOLDOWN SCHEDULE NOTES:**  
 ① HOLDOWN TYPES REFER TO SIMPSON STRONG-TIE CATALOG CALLOUTS.  
 ② FASTEN PLYWOOD SHEATHING TO STUDS RECEIVING HOLDOWN W/ SCHEDULED PANEL EDGE NAILING. STAGGER FASTENERS SO THAT EACH STUD IS FASTENED.



MARK	SHEATHING	BLOCK	FASTENER SPACING AT PANEL EDGES	SCREWING OF JOIST OR BULKING TO TOP TRACK	BOTTOM TRACK ATTACHMENT		CAPACITY
					DRIVE PINS TO CONC. BELOW	SCREWS TO WOOD BELOW	
SN-1	1/2" PLYWOOD	YES	#8 @ 6" oc	#12 @ 8" oc	0.145 @ 4" oc	#8 @ 5" oc	280 PLF
SN-2	1/2" PLYWOOD	YES	#8 @ 4" oc	#12 @ 8" oc	0.145 @ 7" oc	#8 @ 4" oc	366 PLF
SN-3	1/2" PLYWOOD	YES	#8 @ 3" oc	#12 @ 4" oc	0.145 @ 5" oc	#8 @ 2 1/2" oc	510 PLF
SN-4	1/2" PLYWOOD	YES	#8 @ 2" oc	#12 @ 3" oc	0.145 @ 4" oc	#8 @ 2" oc	650 PLF

**NOTES:**  
 ① SHEATHING SCREWS SHALL BE APPROVED AND SHALL BE A MINIMUM NO. 8 x 1" FLAT HEAD WITH A MINIMUM HEAD DIAMETER OF 0.292". SCREEN SHEATHING TO INTERMEDIATE FRAMING W/ PANEL SCREWS @ 12" oc.  
 ② SHEAR WALL CAPACITIES ARE BASED ON TABLE 22-VIII-C OF THE UBC.  
 ③ STUDS SHALL BE A MINIMUM 1 1/2" x 3 1/2" WITH A 3/8" RETURN LIP. TRACK SHALL BE A MINIMUM 1 1/2" x 3 1/2".  
 ④ FRAMING SCREWS SHALL BE NO. 8 x 3/8" MAFER HEAD SELF-DRILLING. SCREWS CONNECTING JOISTS OR BLOCKING TO TOP TRACK SHALL BE NO. 12 x 1 1/2" MAFER HEAD SELF-DRILLING.  
 ⑤ AT INTERIOR WALLS ONLY, 3/8" OSB MAY BE USED IN LIEU OF 1/2" PLYWOOD AND 5/8" OSB MAY BE USED IN LIEU OF 3/4" PLYWOOD.

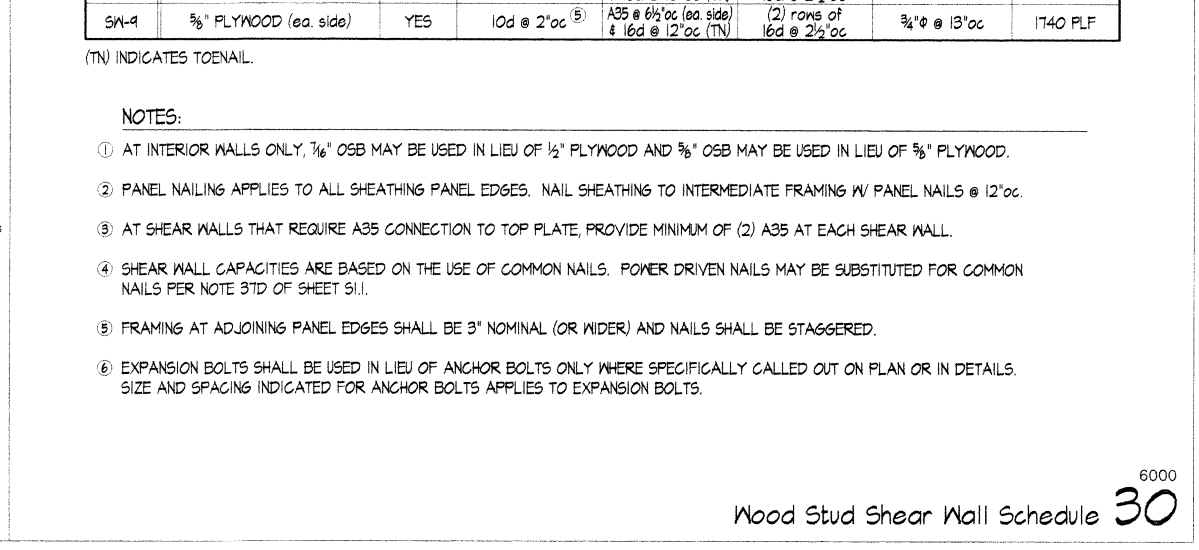
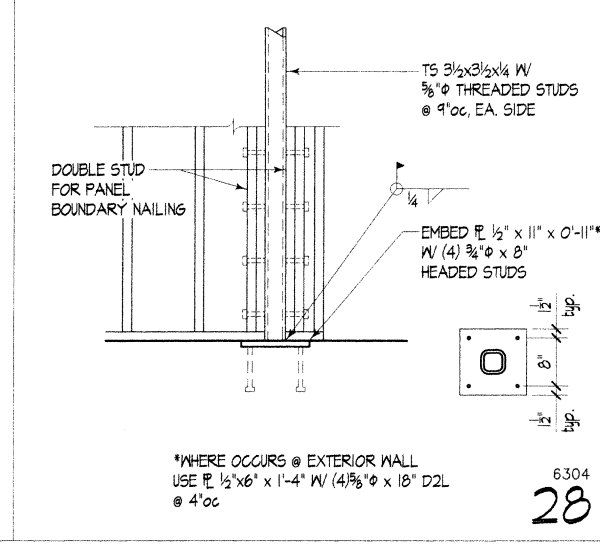
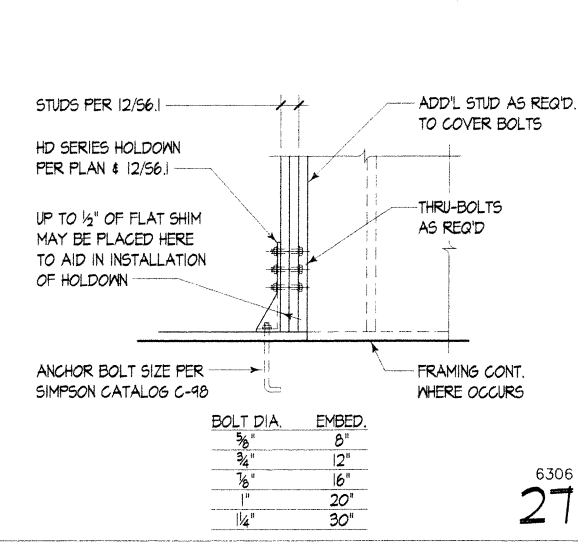


Plywood Sheathed Metal Stud Shear Wall Schedule

MARK	SHEATHING	BLOCK	PANEL NAILING	CONNECTION OF JOIST OR BULKING TO TOP PLATE	BOTTOM PLATE ATTACHMENT		CAPACITY
					FACENAILING TO WOOD BELOW	ANCHOR BOLTING TO CONC. BELOW	
SN-5	1/2" PLYWOOD (ea. side)	YES	8d @ 3" oc	A35 @ 7" oc (TN) 16d @ 10" oc (TN)	16d @ 2" oc	3/8" @ 25" oc	900 PLF
SN-6	1/2" PLYWOOD (ea. side)	YES	10d @ 3" oc	A35 @ 5 1/2" oc 16d @ 7" oc (TN) 16d @ 9" oc (TN)	(2) rows of 16d @ 3" oc	3/8" @ 21" oc	1090 PLF
SN-7	1/2" PLYWOOD (ea. side)	YES	8d @ 2" oc	A35 @ 5" oc (TN) 16d @ 10" oc (TN)	(2) rows of 16d @ 3" oc	3/8" @ 19" oc	1200 PLF
SN-8	1/2" PLYWOOD (ea. side)	YES	10d @ 2" oc	A35 @ 8" oc (ea. side) 16d @ 10" oc (TN) A35 @ 8" oc (ea. side)	(2) rows of 16d @ 2 1/2" oc	3/8" @ 16" oc	1420 PLF
SN-9	3/4" PLYWOOD (ea. side)	YES	10d @ 2" oc	A35 @ 8" oc (ea. side) 16d @ 12" oc (TN)	(2) rows of 16d @ 2 1/2" oc	3/8" @ 13" oc	1740 PLF

(TN) INDICATES TOENAIL.

**NOTES:**  
 ① AT INTERIOR WALLS ONLY, 3/8" OSB MAY BE USED IN LIEU OF 1/2" PLYWOOD AND 5/8" OSB MAY BE USED IN LIEU OF 3/4" PLYWOOD.  
 ② PANEL NAILING APPLIES TO ALL SHEATHING PANEL EDGES. NAIL SHEATHING TO INTERMEDIATE FRAMING W/ PANEL NAILS @ 12" oc.  
 ③ AT SHEAR WALLS THAT REQUIRE A35 CONNECTION TO TOP PLATE, PROVIDE MINIMUM OF (2) A35 AT EACH SHEAR WALL.  
 ④ SHEAR WALL CAPACITIES ARE BASED ON THE USE OF COMMON NAILS. POWER DRIVEN NAILS MAY BE SUBSTITUTED FOR COMMON NAILS PER NOTE 57D OF SHEET S11.  
 ⑤ FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL (OR WIDER) AND NAILS SHALL BE STAGGERED.  
 ⑥ EXPANSION BOLTS SHALL BE USED IN LIEU OF ANCHOR BOLTS ONLY WHERE SPECIFICALLY CALLED OUT ON PLAN OR IN DETAILS. SIZE AND SPACING INDICATED FOR ANCHOR BOLTS APPLIES TO EXPANSION BOLTS.



FOR CALL-OUTS IN COMMON SEE DETAIL 27/56.1

BOLT DIA.	EMBED.
3/8"	8"
1/2"	12"
5/8"	16"
1"	20"
1 1/4"	30"

Wood Stud Shear Wall Schedule 30

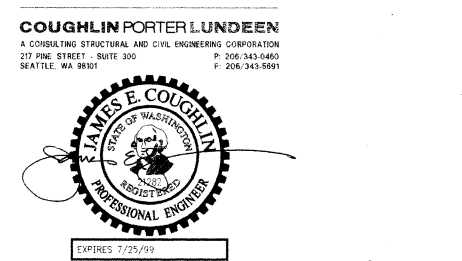


**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

5/18/99 CONSTRU. SET

6001

JEC  
 BTJ  
 CSJ  
 HRB  
 JEC



WOOD FRAMING DETAILS

08-0027-04  
 MAY 18, 1999

6000

S6.1 CONSTRUCTION SET

Project: SUN HEALTHCARE SYSTEMS CAMPUS PHASE ONE, ANACORTES, WA  
 Date: 5/18/99  
 Scale: 1/8" = 1'-0"  
 Author: SJA/BJB  
 Checker: SJA/BJB  
 Designer: SJA/BJB  
 Engineer: SJA/BJB  
 Architect: SJA/BJB



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

STUDS PER DETAILS  
CLIP ANGLES PER 24/51

600M16 HEAD TRACK

CONNECT TRACK TO JAMB STUDS OR MASONRY BEYOND PER 24/51

SILL TRACK SAME AS HEAD TRACK WHERE OCCURS

H-1

STUDS PER DETAILS  
CLIP ANGLES PER 24/51

600M16 HEAD TRACK

600X16 STUD - CONNECT TO TRACK PER 22/51

CONNECT HEADER TO JAMB STUDS BEYOND PER 24/51

SILL TRACK AND STUD SAME AS HEAD TRACK AND STUD WHERE OCCURS

H-2

STUDS PER DETAILS  
CLIP ANGLES PER 24/51

600M16 HEAD TRACK

(3) 600X16 STUD - CONNECT TO OTHER 4 TO TRACK PER 22/51

CONNECT HEADER TO JAMB STUDS BEYOND PER 24/51

SILL TRACK AND STUDS SAME AS HEAD TRACK AND STUDS WHERE OCCURS

H-3

STUDS PER DETAILS  
CLIP ANGLES PER 24/51

600M16 HEAD TRACK

TS 6x6x3/8 - CONNECT TO TRACK PER 22/51

CONNECT HEADER TO COLUMN BEYOND PER 16/51, U.O.N.

H-4

STUDS PER DETAILS  
CLIP ANGLES PER 24/51

600M16 HEAD TRACK

TS 6x6x3/8 - CONNECT TO TRACK PER 22/51

CONNECT HEADER TO COLUMN BEYOND PER 16/51, U.O.N.

H-5

CMU WALL PER PLAN

HEADER PER PLAN

END R PER 16/51  
W/ (2) 3/4" EXP. BOLTS @ 3"oc (EMBED 5/2")

5308  
1/2" x 1'-0"

FOR CALL-OUTS IN COMMON SEE DETAIL 11/51

R 1/4" - BOTTOM TO ALIGN W/ BOTTOM OF HEADER

5307  
1/2" x 1'-0"

BOLTS PER 16/51

COLUMN PER PLAN

R PER 30/55.1  
1/6/51

HEADER PER PLAN (1) SIDE WHERE OCCURS

5305  
1/2" x 1'-0"

R 18 GA x 5" x 0'-10" W/ (6) #8 SCREWS INTO EACH SILL OR HEADER

ANGLE PER 24/51

(2) B50C18 AND (2) B50E18 WELDED TOGETHER PER 22/51

TOP OF SILL OR BOTTOM OF HEADER PER PLAN

5304  
1/2" x 1'-0"

MULTI-STUD POST PER PLAN - CONNECT STUDS TO EACH OTHER PER 22/51

HEADER PER PLAN

METAL STUD WALL PER PLAN

166A x 3" x 3/8" ANGLE TOP & BOTTOM OF HEADER W/ (6) #8 SCREWS INTO MULTI-STUD POST

5309

TOP & BOTTOM 3/8"

COLUMN PER PLAN

END R 1/4"

HEADER PER PLAN

(2) 3/4" BOLTS

el. per arch

R PER 30/55.1

5306

SPAN

1'-2"

6/51

TYPICAL STUDS PER DETAILS

SEE PLANS FOR NUMBER OF STUDS - WELD STUDS TOGETHER PER 22/51

5056

TRACK PER DETAILS

(2) ROWS OF (4) #12 SCREWS EA. SIDE OF SPLICE

166A UNPUNCHED STUD

5058

WHERE STUDS OR JOISTS ARE SHOWN TO ABUT, WELD AS SHOWN

1/2" x 3/8"

1/2" x 3/8"

1 = GAGE OF MATERIAL CONNECTED

5059

STUDS MUST BE FULLY SEATED AGAINST TRACK

CONNECT BOTTOM TRACK TO FLOOR PER 18/56.1

RUNNER TRACK SAME GAGE AS STUD W/ MINIMUM 1/4" WIDE FLANGES

NO PUNCHOUT SHALL OCCUR WITHIN 12" FROM END OF STUDS

5060

NOTE: THIS DETAIL APPLIES TO TOP & BOTTOM TRACK OF ALL INTERIOR STRUCTURAL STUDS. SEE 24/51 FOR STUDS SUBJECT TO WIND LOAD.

5061

1/2" x 1/2" ANGLE W/ SAME GAGE AS STUD - LENGTH = STUD WIDTH LESS 1/2"

ATTACH ANGLE TO TRACK W/ SCREWS WHERE POSSIBLE. WHERE TRACK ON CONCRETE OR AGAINST STEEL, SHOOT (2) 5/32" DRIVE PINS THRU EACH ANGLE INTO CONCRETE OR STEEL.

STUD PER PLAN OR DETAILS

TRACK SAME GAGE AS STUD W/ 1/4" WIDE FLANGES, MIN.

CONNECT BOTTOM TRACK TO FLOOR PER 18/56.1

USE (3) NO. 8 SCREWS (3) NO. 10 @ 16GA STUDS TO ATTACH ANGLE TO WEB

NOTE:  
 1. ALL STUDS AND ALL STUDS OF MULTI-STUD POSTS SUBJECT TO WIND LOADING SHALL BE ATTACHED TO TOP AND BOTTOM TRACKS AS SHOWN.  
 2. STUD WEBS SHALL BEAR AGAINST TRACK WEBS.

5062

**NOTES:**  
 BRIDGING IS REQUIRED FOR LOADINGS APPLIED BEFORE SHEATHING IS ATTACHED TO BOTH FLANGES. BRIDGING PROVIDES RESISTANCE TO ROTATION CAUSED BY WIND LOADINGS, AND RESISTANCE TO BOTH ROTATION AND MINOR AXIS BENDING CAUSED BY AXIAL LOADING. THE NUMBER OF BRIDGING ROWS SHALL NOT BE LESS THAN:  
 1. Up to 10'-0" height: One row of bridging at mid-height.  
 2. Over 10'-0" height: Bridging rows spaced 5'-0"oc maximum.  
 BRIDGING SHALL BE EITHER WELDED OR SCREWED AS SHOWN AT RIGHT:

166A x 1/2" x 1/2" BRIDGE CLIP ANGLE TYPICAL

166A 1/2"

(4) #10 OR #8 SCREWS

166A BRIDGING CHANNEL TYP.

5063

1. METAL FRAMING USED SHALL CONFORM TO THE SPECIFICATIONS OUTLINED IN THE GENERAL NOTES.

2. METAL FRAMING & STRAP BRACING SHALL BE GALVANIZED UNLESS OTHERWISE NOTED, CONFORMING AS FOLLOWS:  
 12, 14, AND 16 GAGE ASTM A446, GRADE D Fy = 50ksi  
 18 AND 20 GAGE ASTM A446, GRADE A Fy = 33ksi

3. ALL STUDS & STUD GROUPS SHALL BE LATERALLY SUPPORTED TO PREVENT WEAK AXIS BUCKLING BY CONNECTING EACH FLANGE TO PLYWOOD PER THE SHEAR WALL SCHEDULE OF 18/56.1 OR TO GYPSUM WALLBOARD PER 1941 U.B.G. TABLE 25-H.

4. WELDING OF COLD-FORMED METAL FRAMING SHALL CONFORM TO AWS D13 AND SHALL BE PERFORMED BY WELDERS QUALIFIED TO PRODUCE THE SPECIFIED CLASSES OF WELD.

5. WALL FRAMING: TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, U.O.N. WELD STUD GROUPS TOGETHER PER 22/51.

REFER TO 28/51 FOR REQUIRED BRIDGING

5064

**METAL STUD WALL TYPES**

WALL DESIGNATION	STUD TYPE	SPACING
S-320	358X20	16"oc
S-620	600X20	16"oc
S-618	600X18	16"oc
S-618-12	600X18	12"oc
S-616-12	600X16	12"oc
S-614-12	600X14	12"oc

NOTE: SEE PLAN FOR LOCATIONS OF STRUCTURAL STUD GROUPS DESIGNATED O.O. ON PLAN. WELD STUD GROUPS TOGETHER PER 22/51.

5064

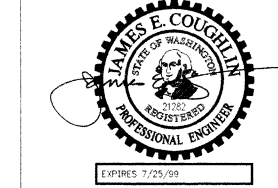
**Metal Framing Notes**

5064

DATE: 5/18/99  
 CONSTRU. SET

JEC  
 BTL  
 CSD  
 HRB  
 JEC

**COUGHLIN PORTER LUNDEEN**  
 A CORNER STRUCTURAL AND CIVIL ENGINEERING CORPORATION  
 217 PINE STREET - SUITE 300  
 SEATTLE, WA 98101  
 P: 206-343-2400  
 F: 206-343-9931



**METAL FRAMING DETAILS**

98-0027-04  
 MAY 18, 1999

**S7.1 CONSTRUCTION SET**

Project: SUN HEALTHCARE SYSTEMS, INC. 1000 1st Ave. New RUII. Scale: 1/4" = 1'-0".  
 Date: 5/18/99. By: JEC. Checked: BTL.

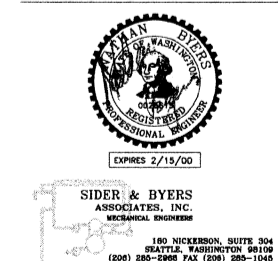
**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"

CONSTRUCTION SET  
 ENTIRE SHEET

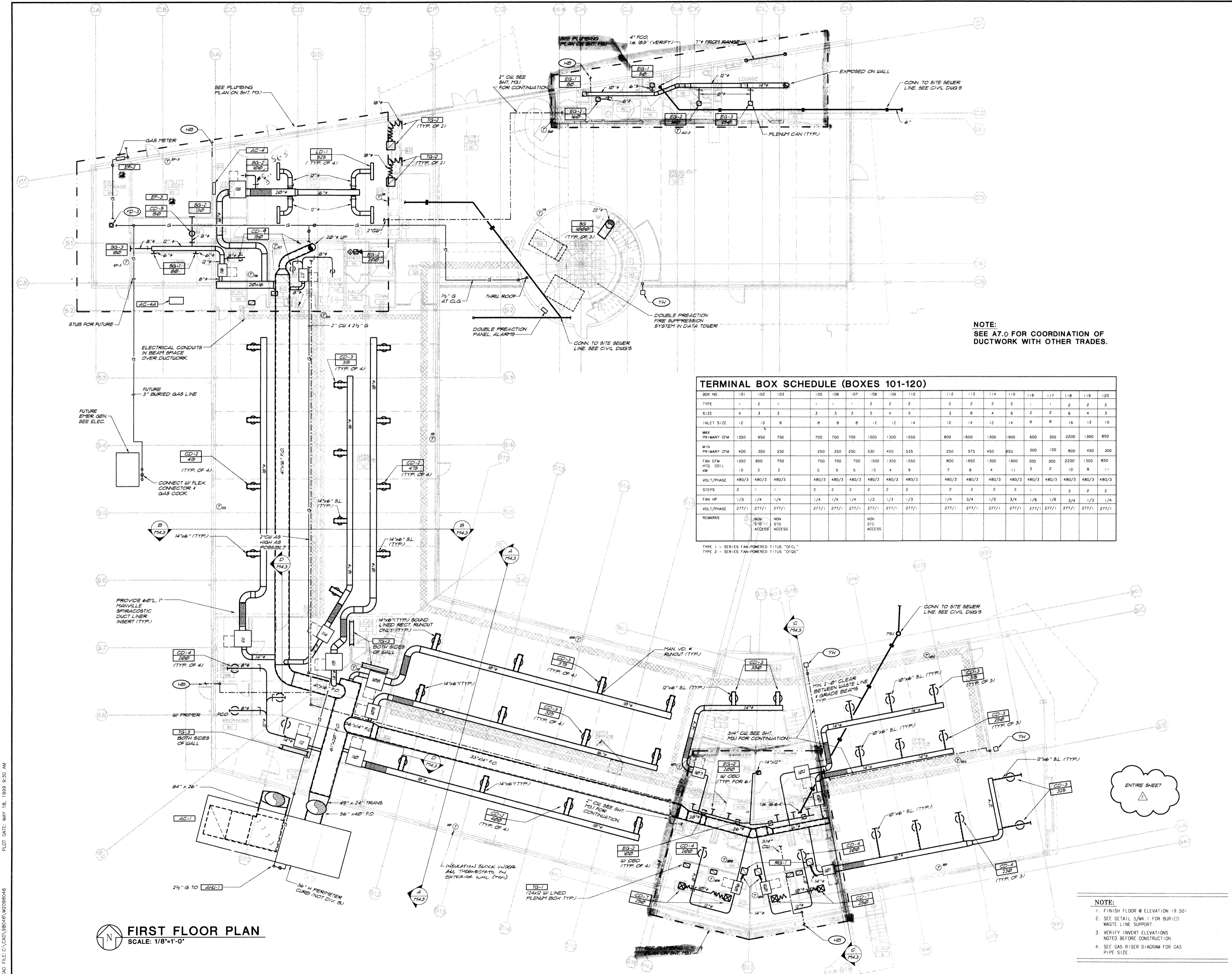
N.B. PRINTED & CHECKED  
 PROJECT MANAGER  
 R.V.  
 PROJECT ARCHITECT  
 D.A.J.  
 DRAWN  
 P.M.J.  
 CHECK



**FIRST FLOOR PLAN**

08046  
 5/18/99  
 M208046  
 CONSTRUCTION SET

**M2.0** CONSTRUCTION SET



**TERMINAL BOX SCHEDULE (BOXES 101-120)**

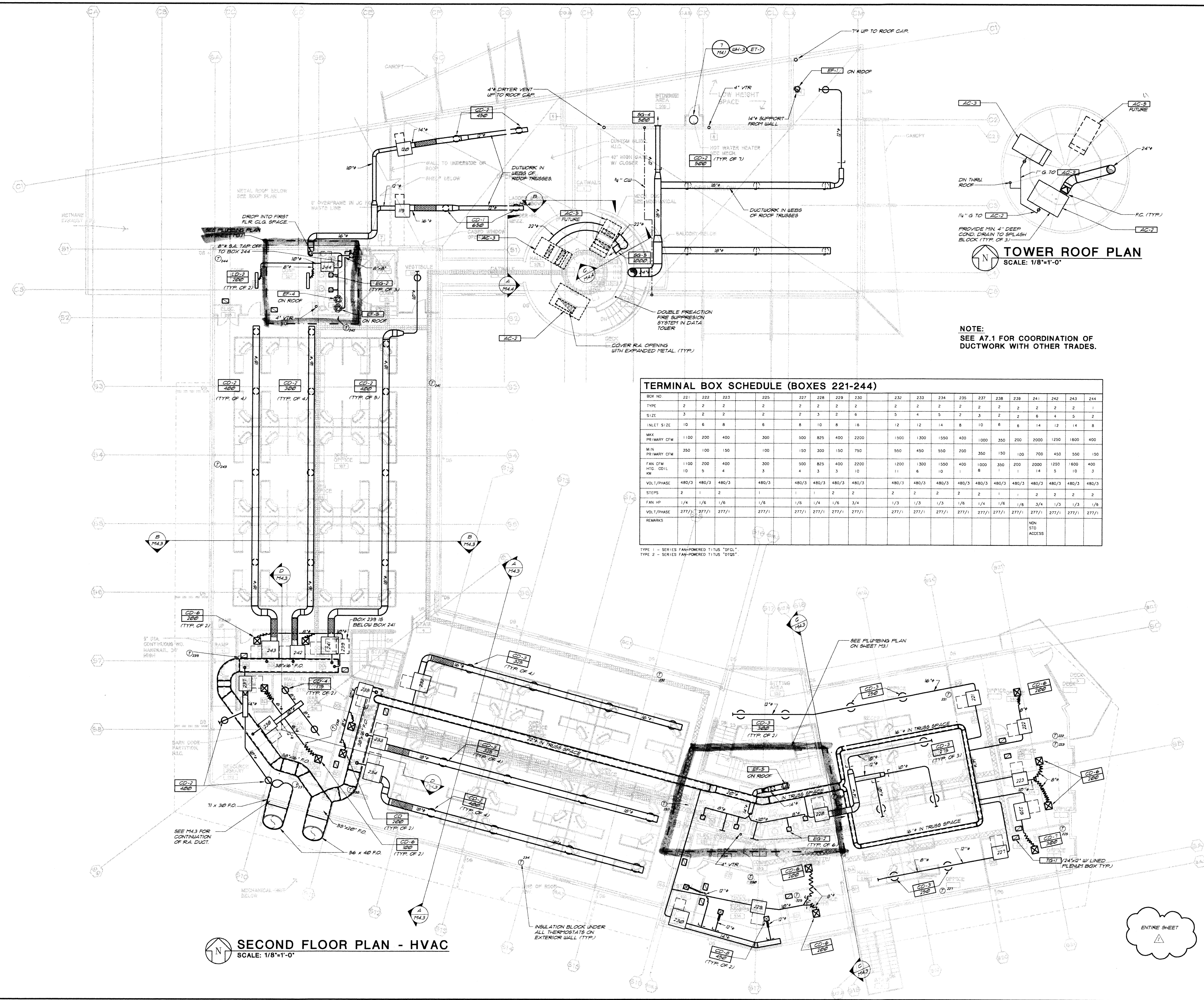
BOX NO.	101	102	103	105	106	107	108	109	110	112	113	114	115	116	117	118	119	120
TYPE	1	2	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2
SIZE	4	3	3	3	3	3	5	4	5	3	6	4	8	2	2	6	4	3
INLET SIZE	12	10	8	8	8	12	12	14	10	10	14	12	14	8	8	16	12	10
MAX. PRIMARY CFM	1350	950	750	700	700	1500	1300	1550	800	800	1650	1300	1900	600	300	2200	1300	850
MIN. PRIMARY CFM	400	350	250	250	250	530	450	535	250	250	450	650	300	100	800	450	300	
FAN CFM	1350	950	750	700	700	1500	1300	1550	800	1650	1300	1900	300	300	2200	1300	850	
HTG. COIL KW	10	3	2	5	5	5	10	4	9	7	9	4	11	3	2	10	9	11
VOLT/PHASE	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3
STEPS	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	3	2	2
FAN HP	1/3	1/4	1/4	1/4	1/4	1/4	1/3	1/3	1/4	3/4	1/3	3/4	1/6	1/6	3/4	1/3	1/4	
VOLT/PHASE	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1
REMARKS		NON STD ADDRESS	NON STD ADDRESS															

TYPE 1 - SERIES FAN-POWERED TITUS "DFCL"  
 TYPE 2 - SERIES FAN-POWERED TITUS "DFDS"

NOTE:  
 SEE A7.0 FOR COORDINATION OF  
 DUCTWORK WITH OTHER TRADES.

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

CAD FILE: C:\CAD\98046\M208046  
 PLOT DATE: MAY 18, 1999 9:50 AM



**TERMINAL BOX SCHEDULE (BOXES 221-244)**

BOX NO.	221	222	223	225	227	228	229	230	232	233	234	235	237	238	239	241	242	243	244
TYPE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SIZE	3	2	2	2	2	3	2	6	5	4	5	2	3	2	2	6	4	5	2
INLET SIZE	10	6	8	6	8	10	8	16	12	12	14	8	10	6	6	14	12	14	8
MAX. PRIMARY CFM	1100	200	400	300	500	825	400	2200	1500	1300	1550	400	1000	350	200	2000	1250	1600	400
MIN. PRIMARY CFM	350	100	150	100	150	300	150	750	550	450	550	200	350	150	100	700	450	550	150
FAN CFM	1100	200	400	300	500	825	400	2200	1200	1300	1550	400	1000	350	200	2000	1250	1600	400
Htg. COIL KW	10	5	4	4	3	4	3	10	11	6	10	1	8	1	1	14	5	10	3
VOL/PHASE	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3	480/3
STEPS	2	1	2	1	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2
FAN HP	1/4	1/6	1/6	1/6	1/6	1/4	1/6	3/4	1/3	1/3	1/3	1/6	1/4	1/6	1/6	3/4	1/3	1/3	1/6
VOL/PHASE	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1	277/1
REMARKS																			

TYPE 1 - SERIES FAN-POWERED TITUS "DFCL"  
 TYPE 2 - SERIES FAN-POWERED TITUS "DTGS"

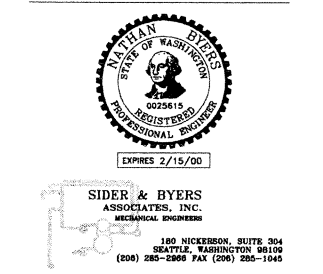
**NOTE:**  
 SEE A7.1 FOR COORDINATION OF DUCTWORK WITH OTHER TRADES.



SCALE 1/8"=1'-0"

CONSTRUCTION SET  
 5/18/99  
 ENTIRE SHEET

N.B.  
 PARTNER IN CHARGE  
 PROJECT MANAGER  
 R.V.  
 PROJECT ARCHITECT  
 D.A.J.  
 DRAWN  
 P.M.J.  
 CHECKED

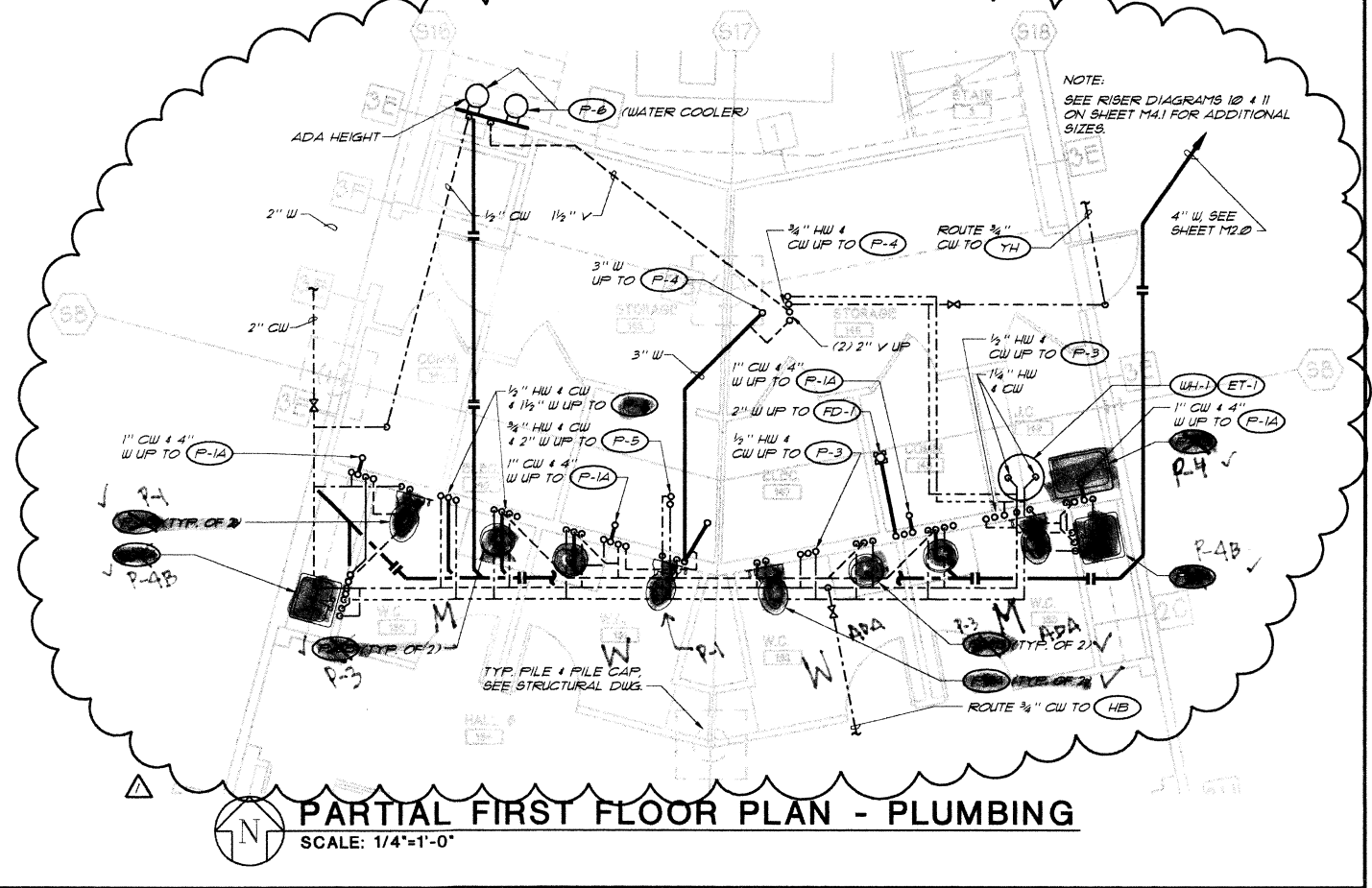
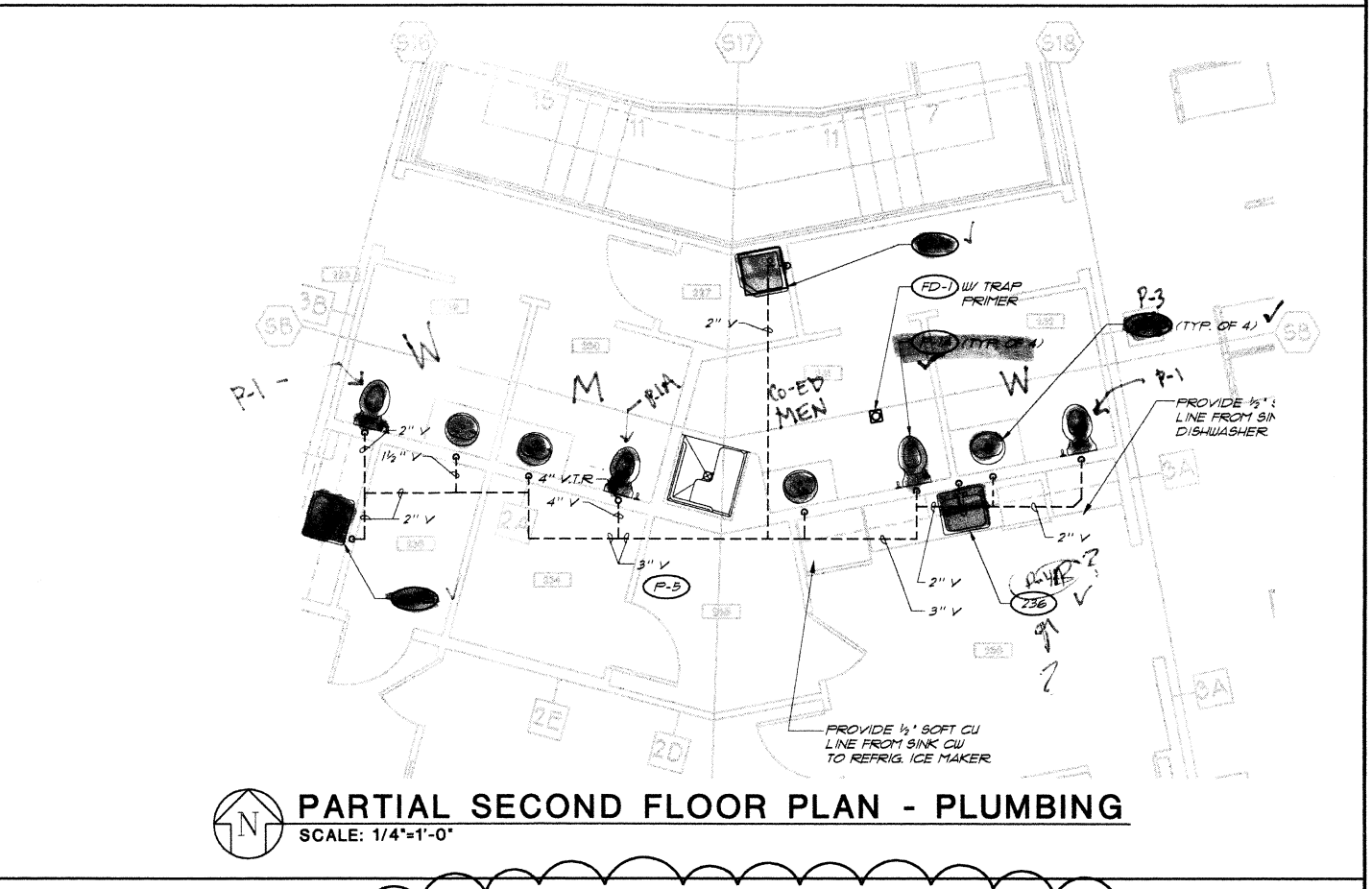
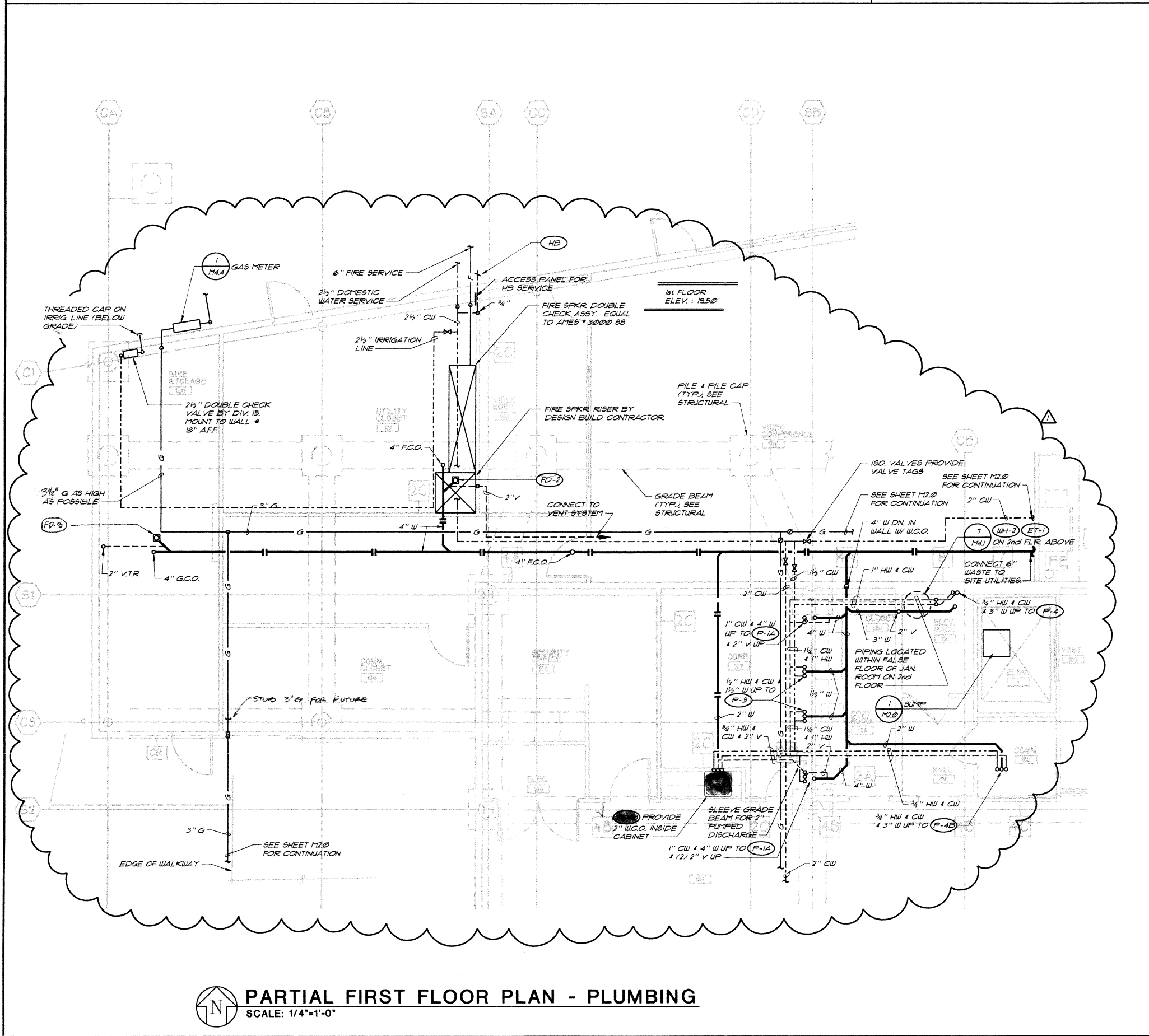
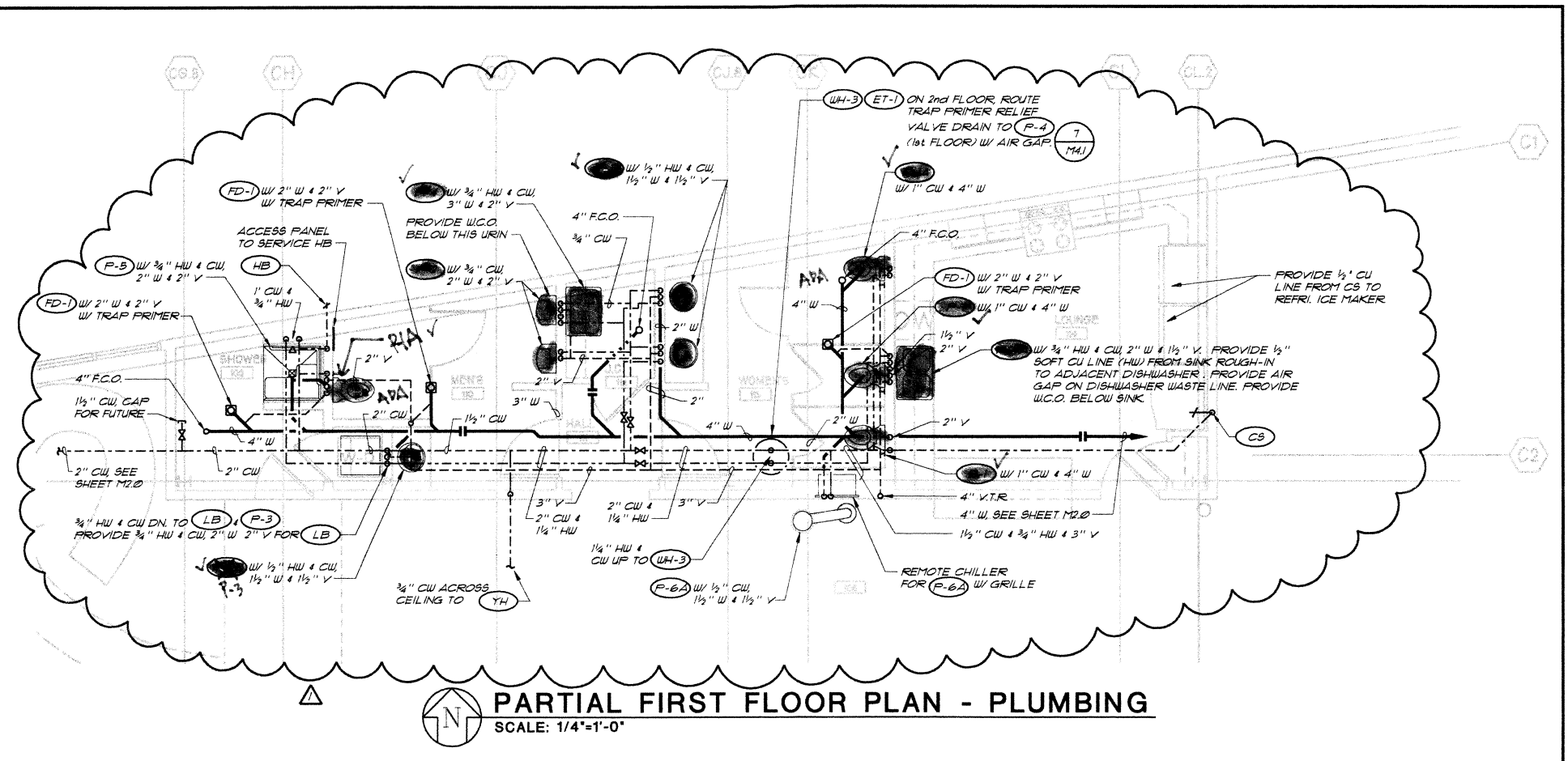
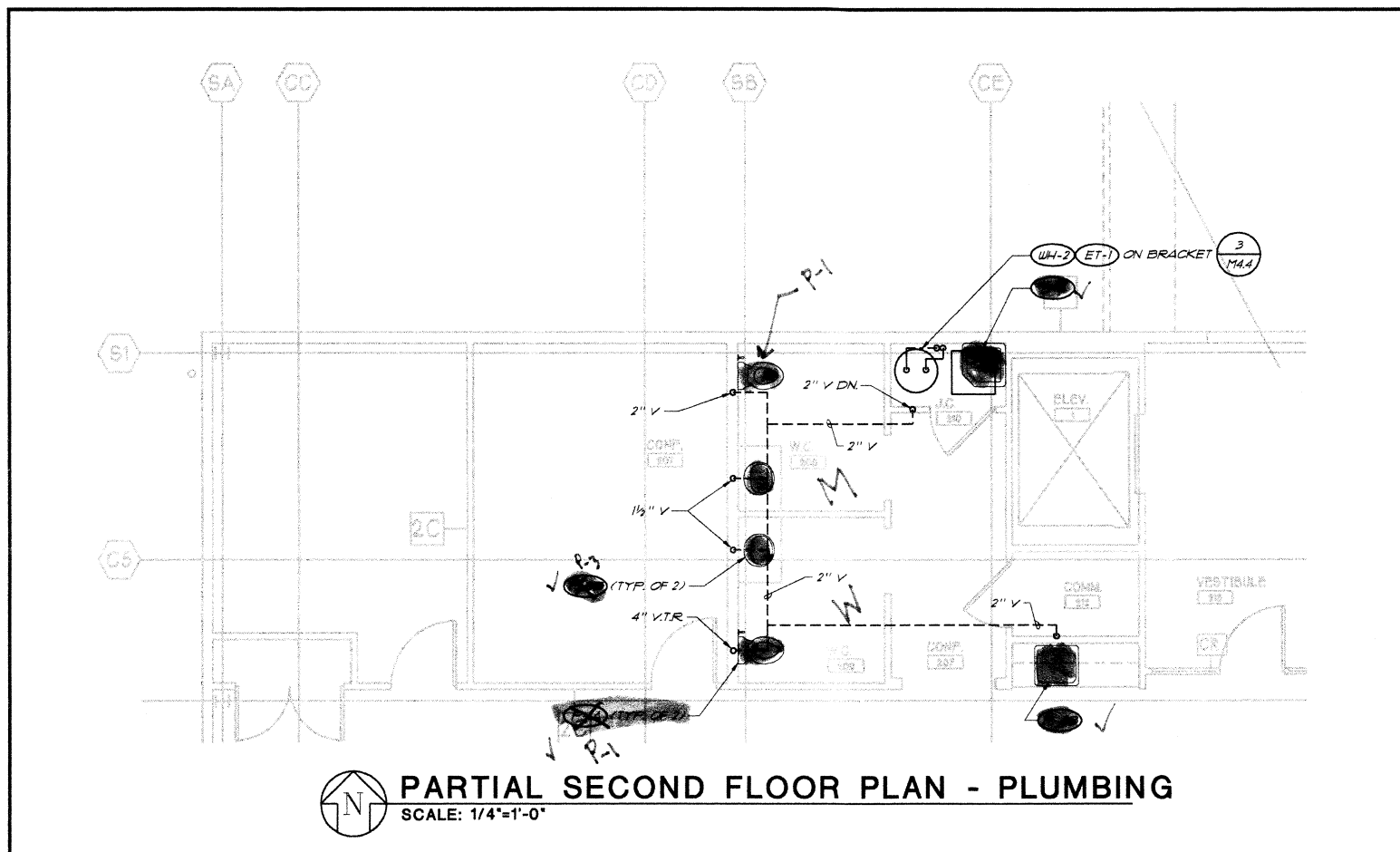


180 WILKINSON BLVD. SUITE 204  
 SEATTLE, WASHINGTON 98106  
 (206) 288-8888 FAX (206) 288-1848

**SECOND FLOOR PLAN**

98046  
 5/18/99  
 M2198046  
 DWG FILE NAME

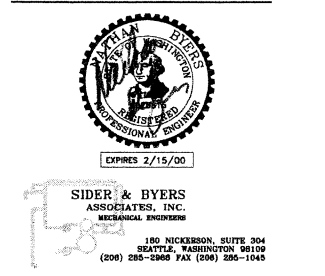
CAD FILE: CAD:\98046\M2198046.PLOT DATE: FEB 9, 1998 11:30 AM



TRUE NORTH  
SCALE 1/4"=1'-0"

5/18/99 CONSTRUCTION SET

N.B.  
PAPER & DRAWING  
PROJECT NUMBER  
R.V.  
PROJECT ARCHITECT  
DATE  
G.C.H.

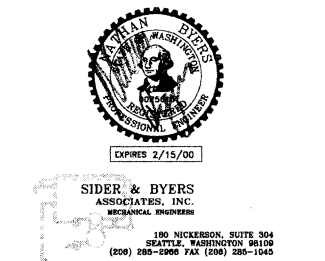
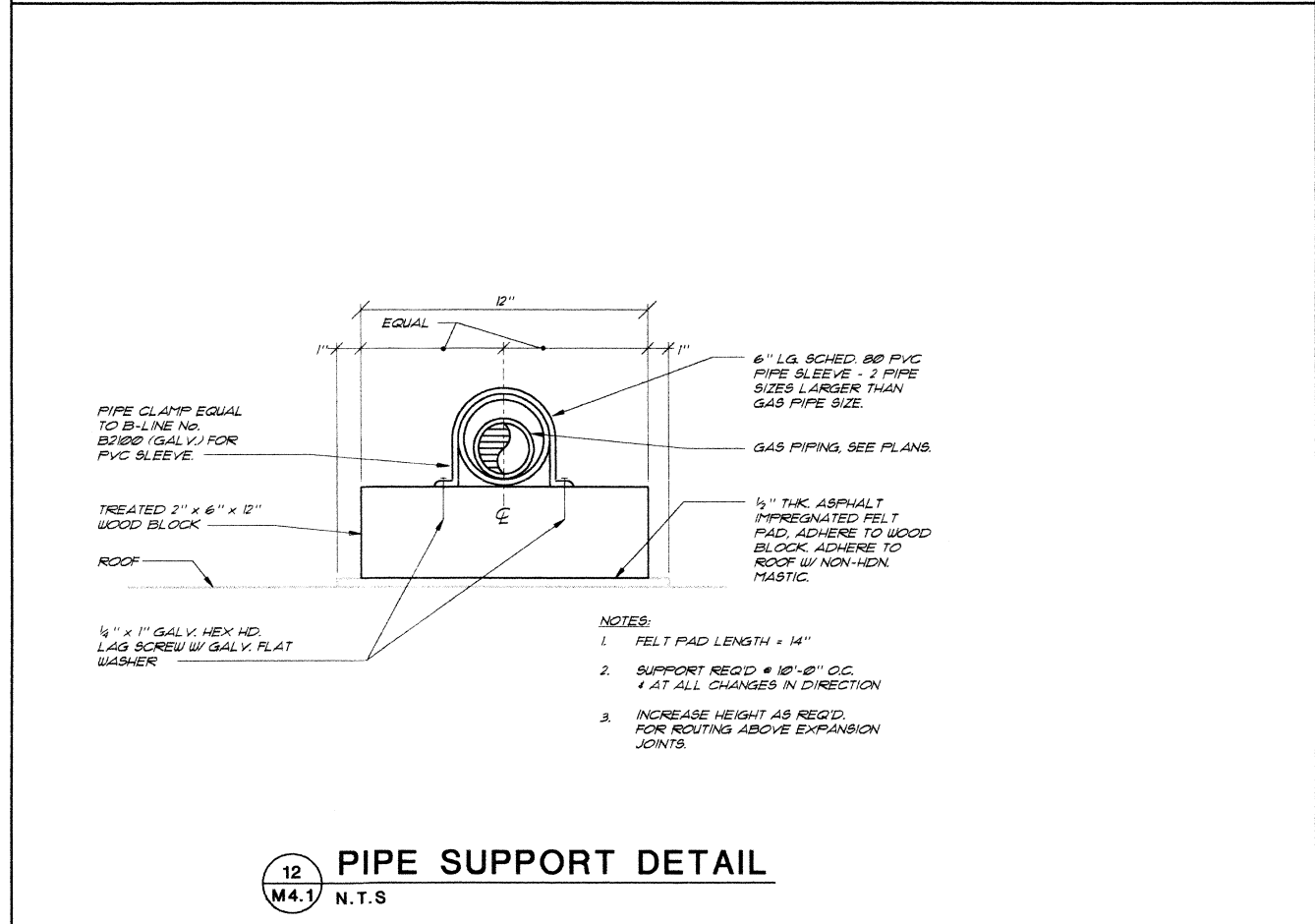
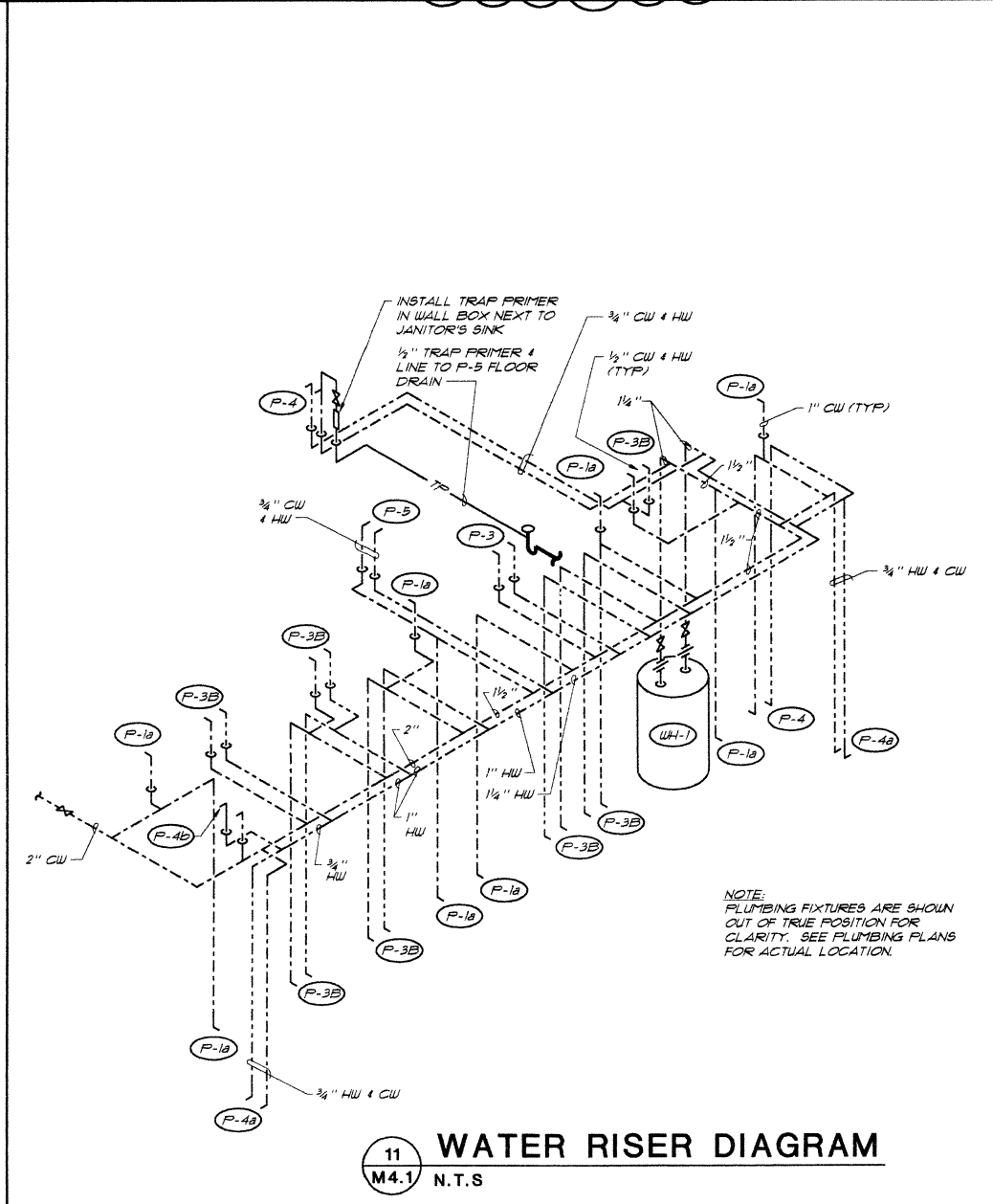
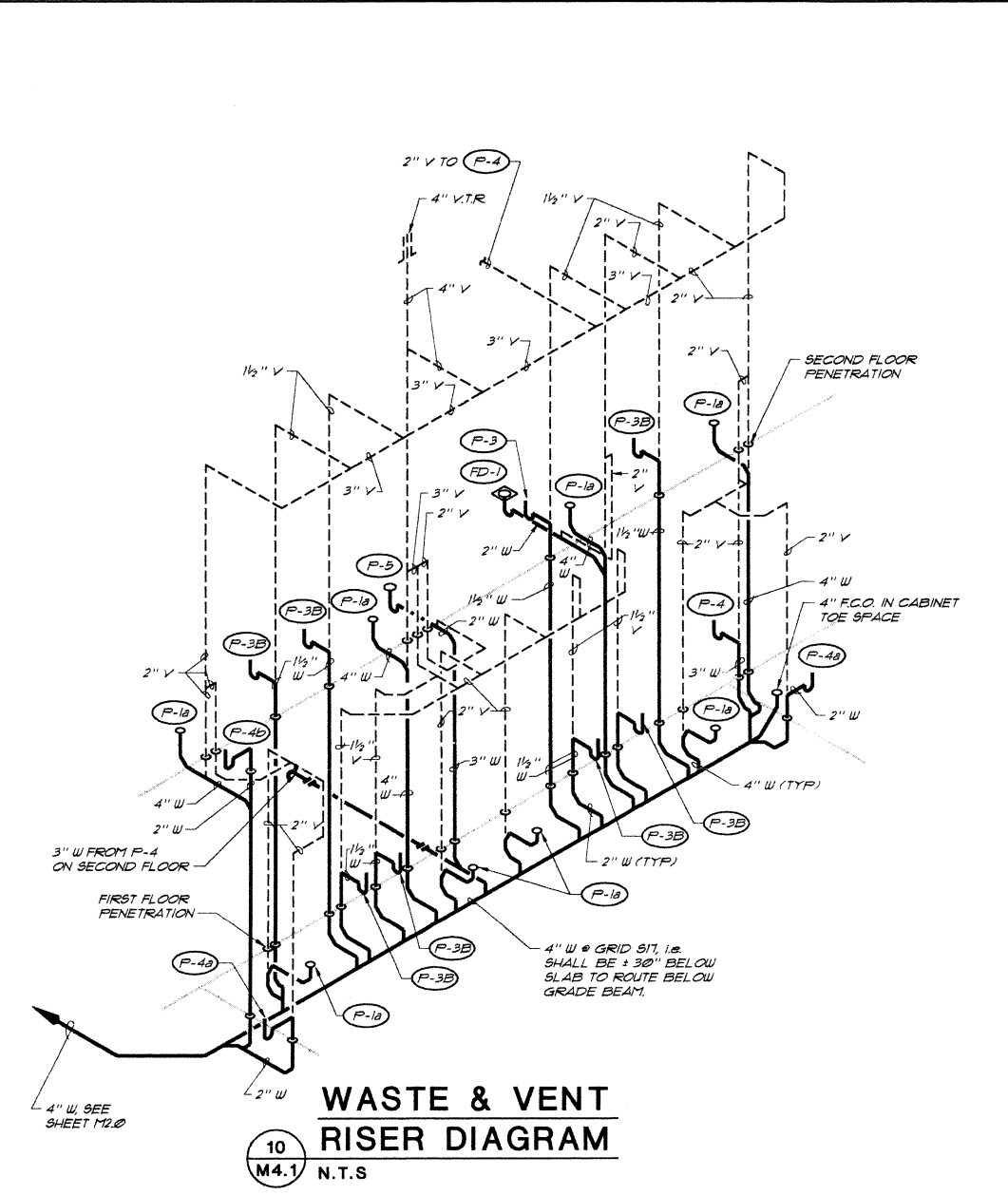
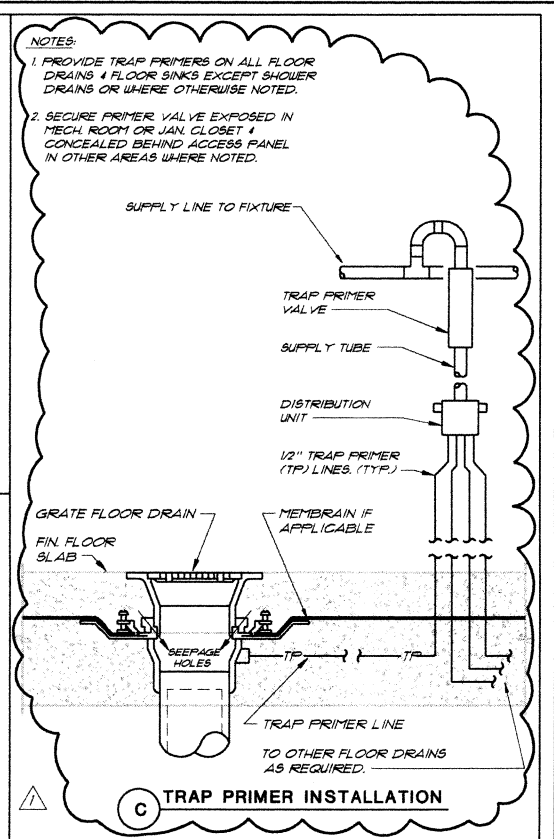
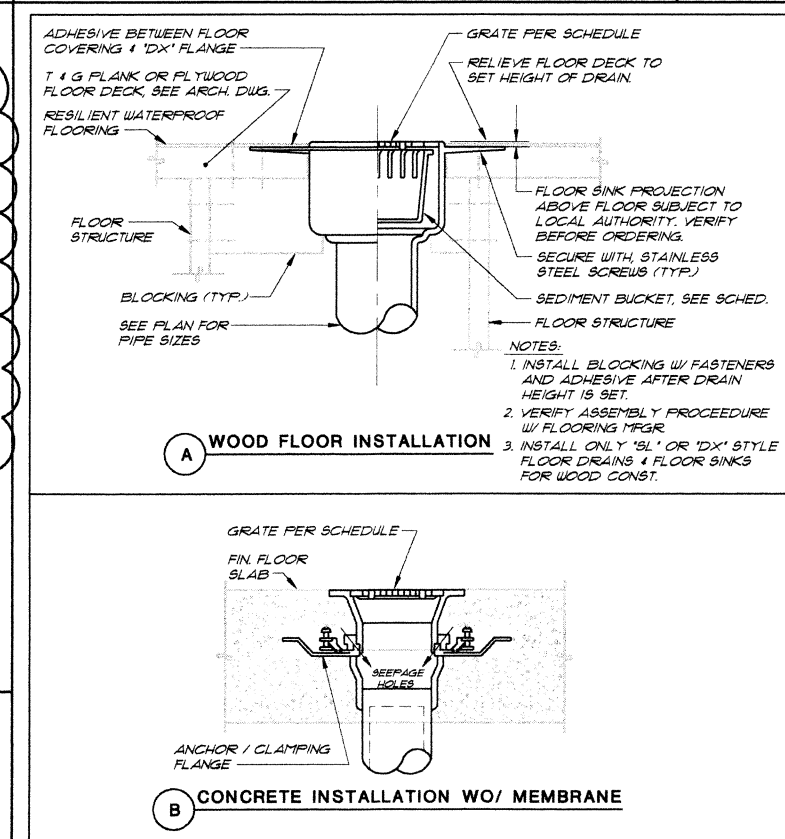
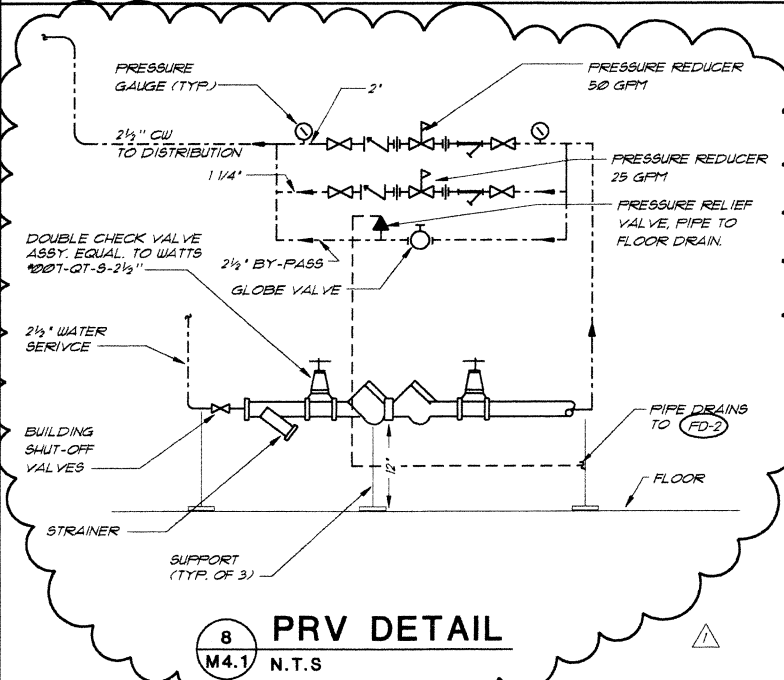
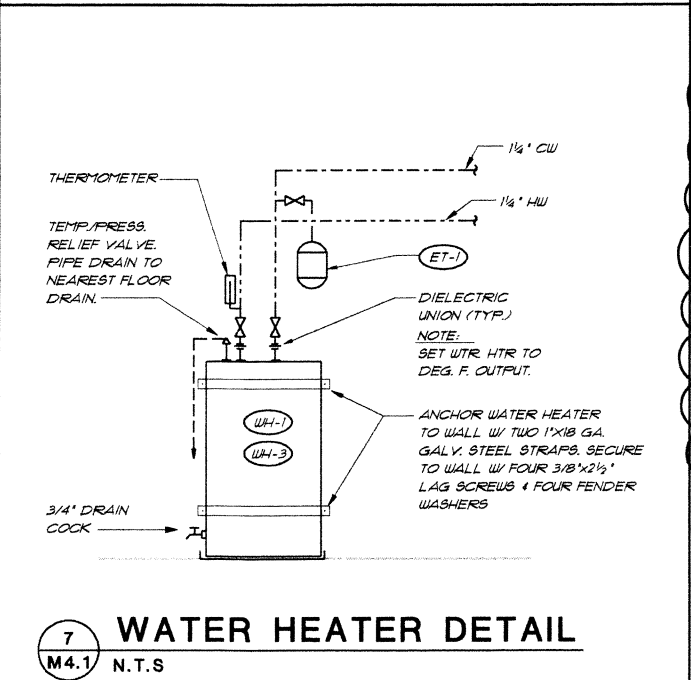
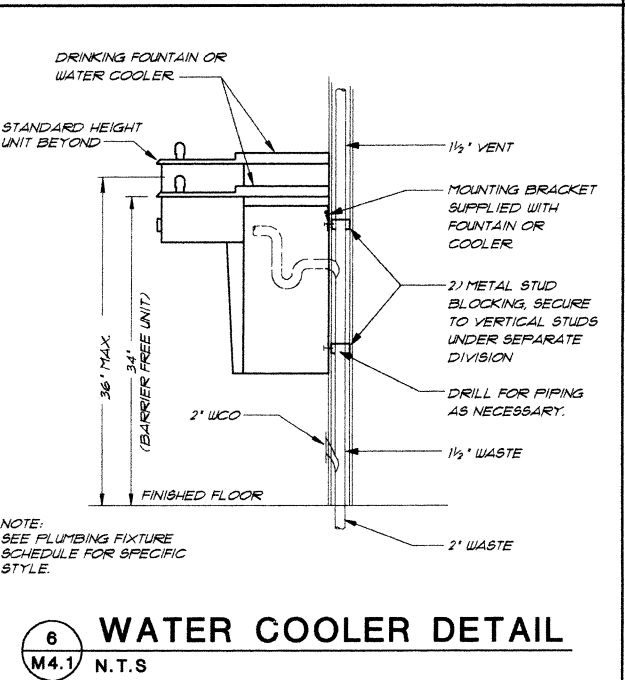
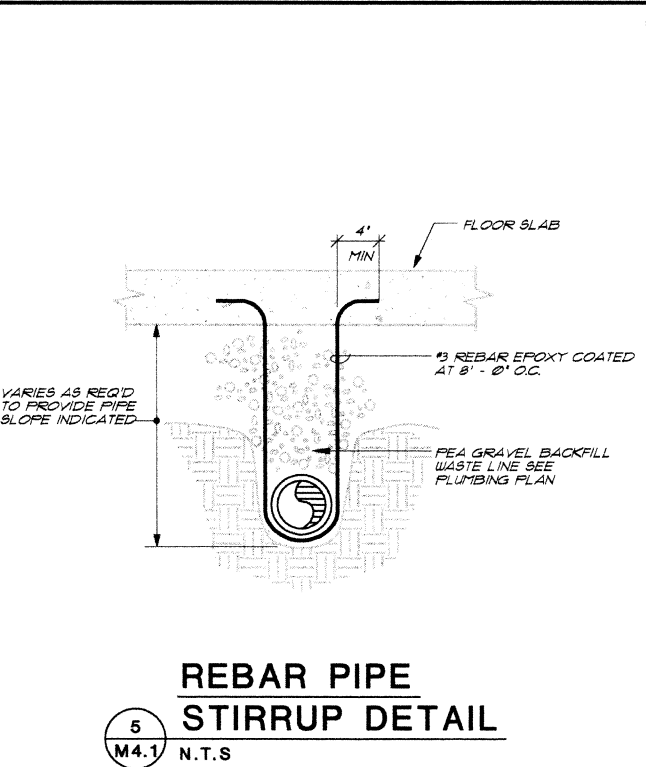
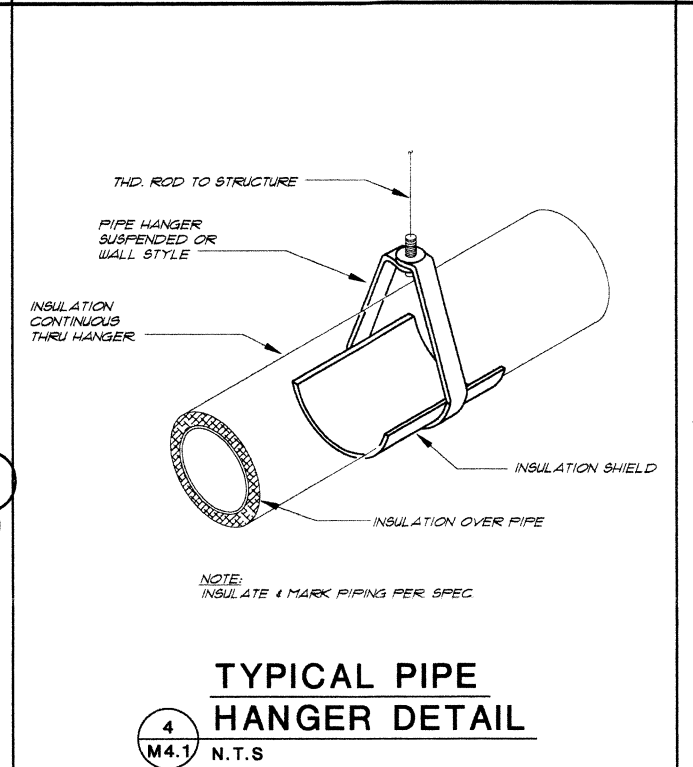
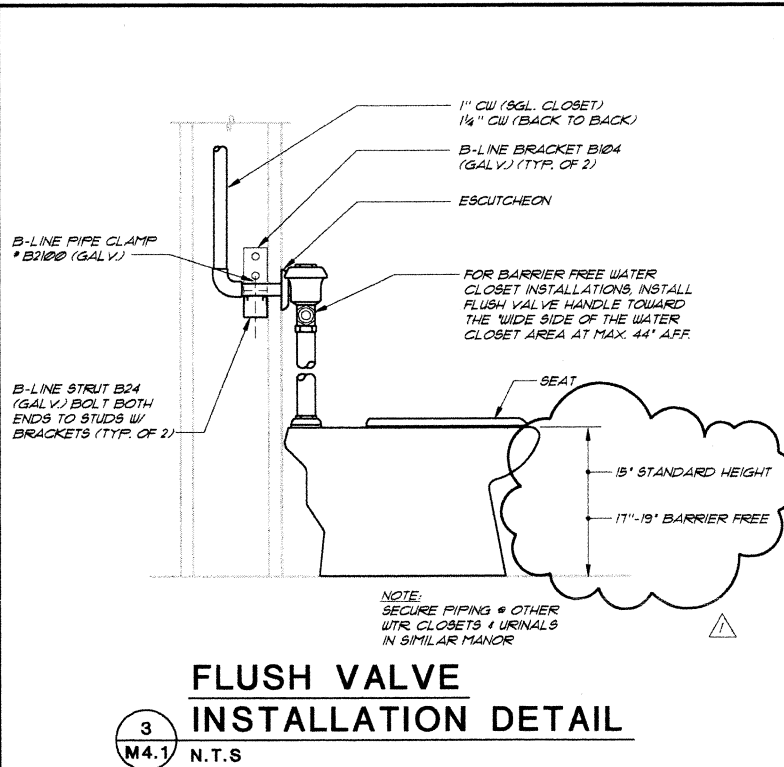
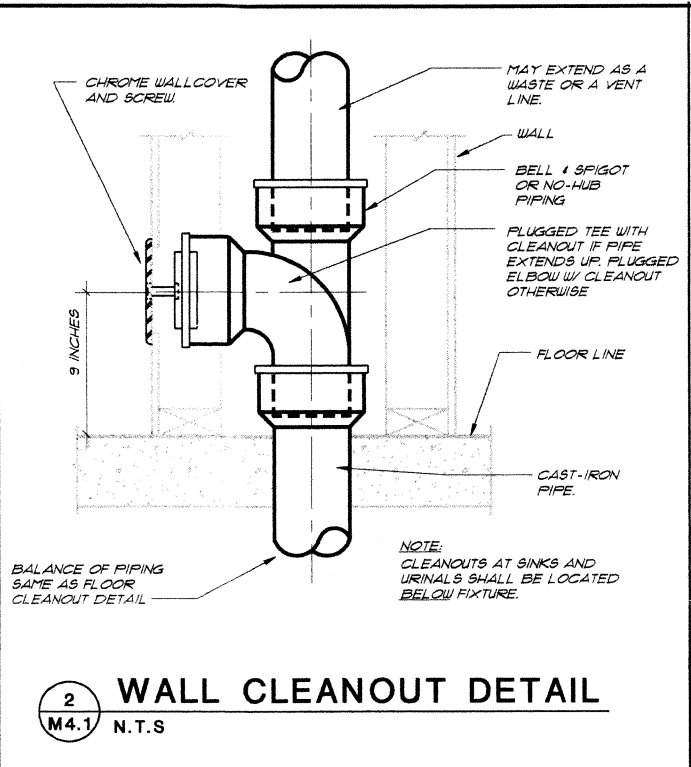
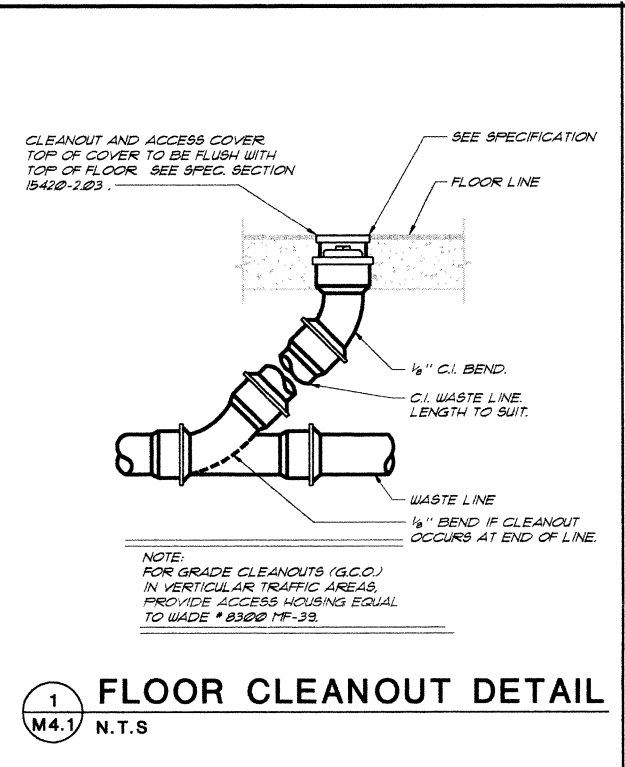


SIDER & BYERS ASSOCIATES, INC.  
ARCHITECTURAL BUSINESS  
180 NICKERSON, SUITE 304  
SEATTLE, WASHINGTON 98109  
(206) 280-2800 FAX (206) 280-1140

**PARTIAL FIRST & SECOND FLOOR PLUMBING**

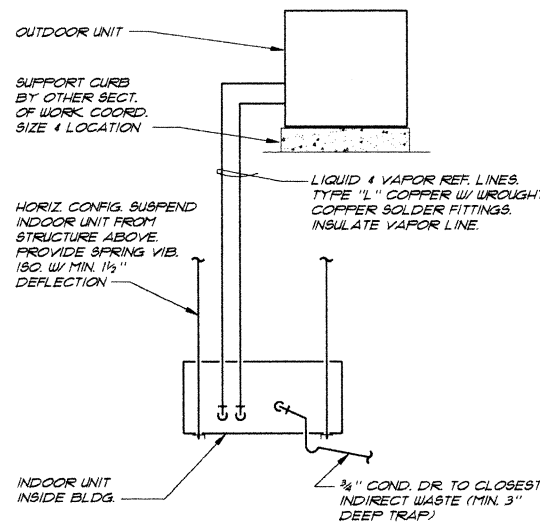
28046  
PROJECT NO.  
FEBRUARY 9, 1999  
DATE  
M3128046  
DRAWN BY

PLOT DATE: FEB 12, 1999 10:30 AM  
CAD FILE: C:\CAD\98046\M3128046



PLOT DATE: MAY 12, 1999 9:00 AM  
CAD FILE: C:\CAD\98045\M4198045

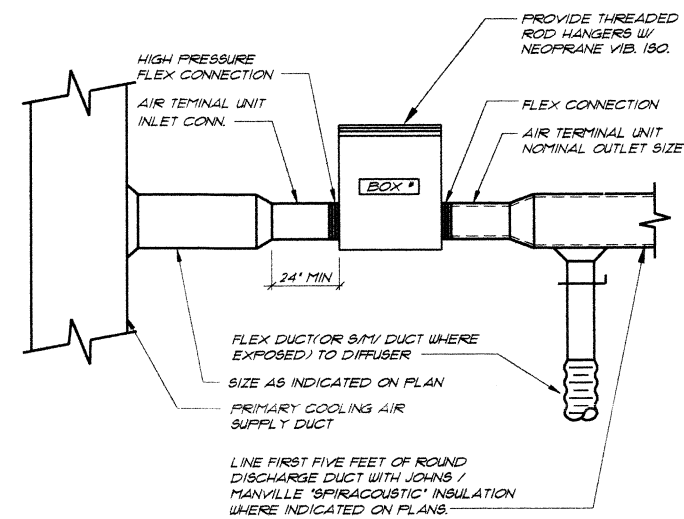




UNIT	LIQUID LINE SIZE	VAPOR LINE SIZE
AC-4 / AC-4A	3/8"	5/8"

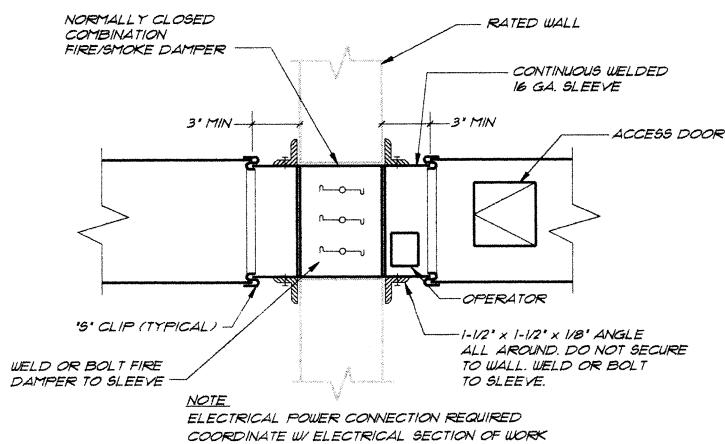
**1 SPLIT SYSTEM A/C INSTALLATION DETAIL**

M4.2 Scale: N.T.S.



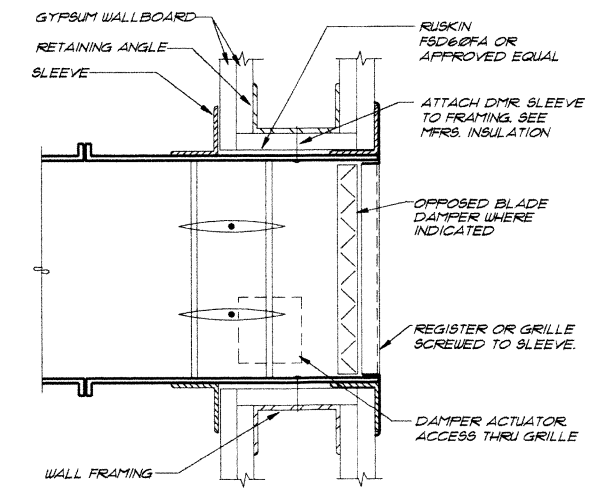
**2 AIR TERMINAL UNIT INSTALLATION DETAIL**

M4.2 Scale: NONE



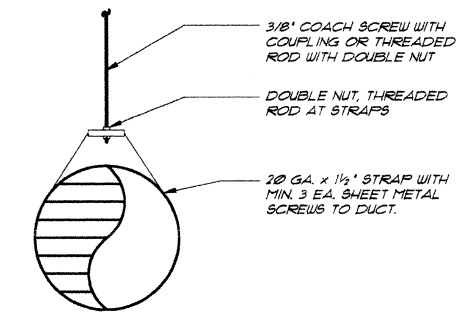
**3 U.L. LISTED COMBINATION FIRE/SMOKE DAMPER**

M4.2 N.T.S.



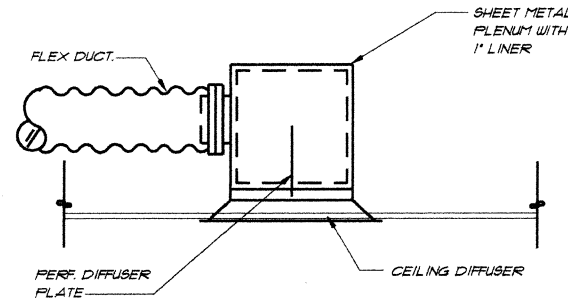
**4 U.L. LISTED SIDEWALL FIRE/SMOKE DAMPER**

M4.2 N.T.S.



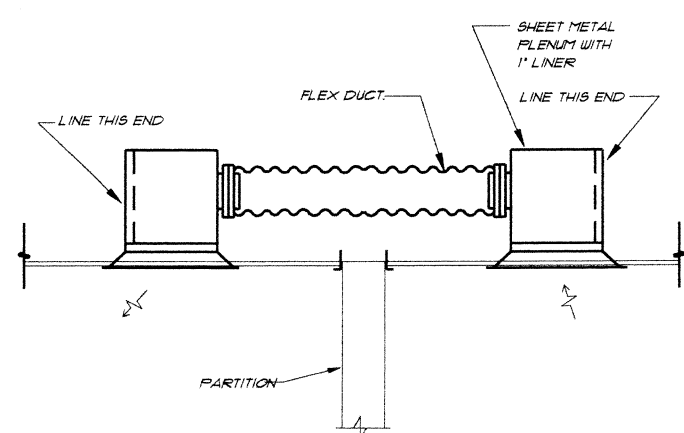
**5 EXPOSED SPIRAL DUCT HANGING DETAIL**

M4.2 N.T.S.



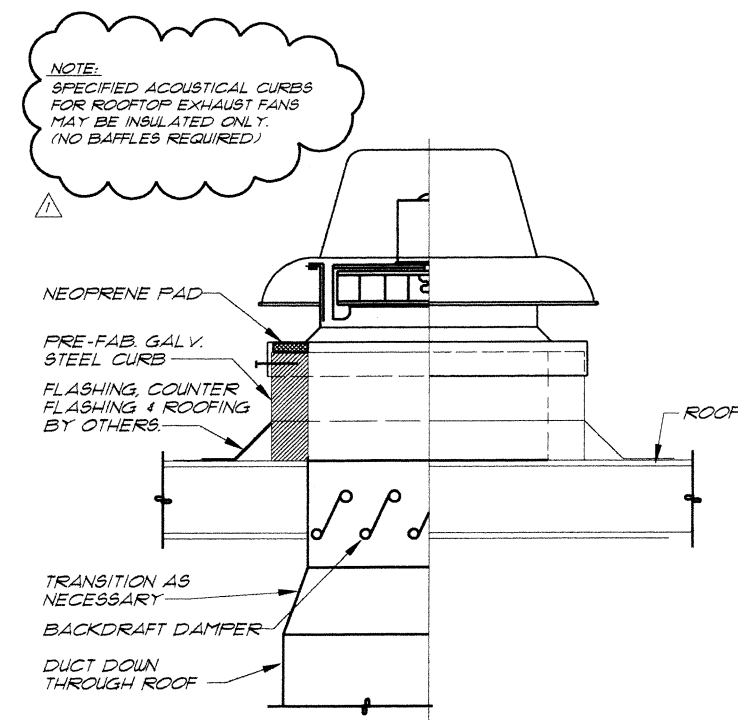
**\* 6 TYPICAL DIFFUSER**

M4.2 N.T.S.



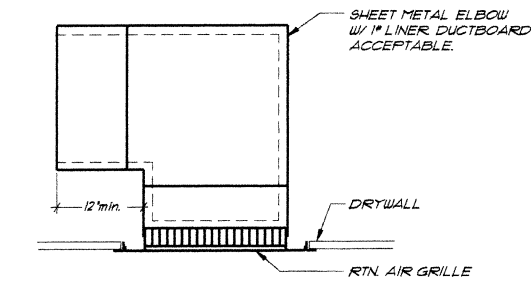
**\* 7 TRANSFER GRILLE ASSEMBLY**

M4.2 N.T.S.



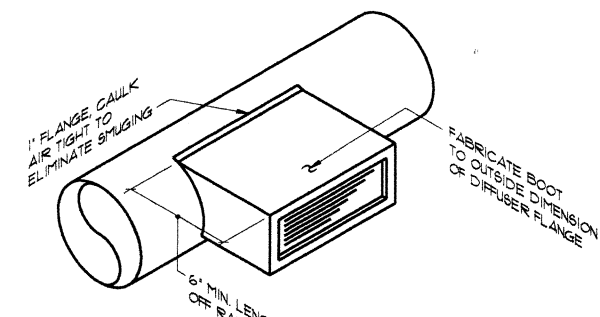
**8 EXHAUST FAN DETAIL**

M4.2 N.T.S.



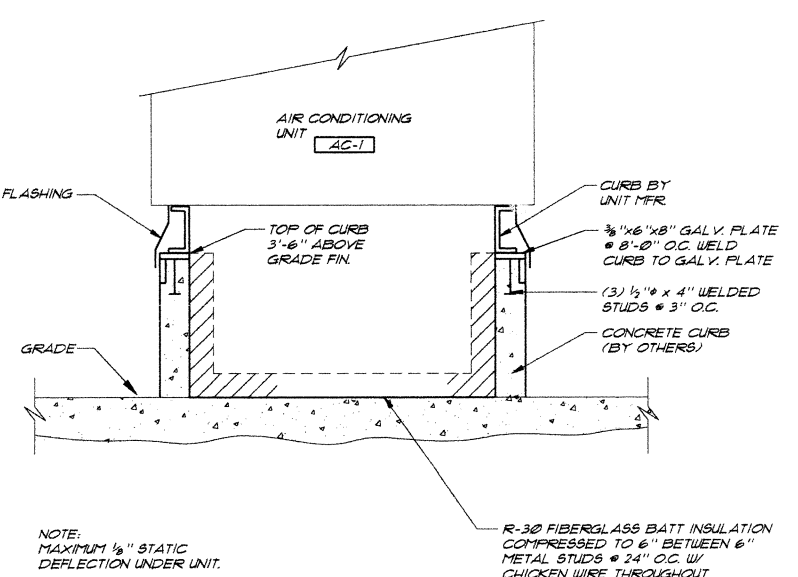
**\* 9 RETURN AIR GRILLE**

M4.2 N.T.S.



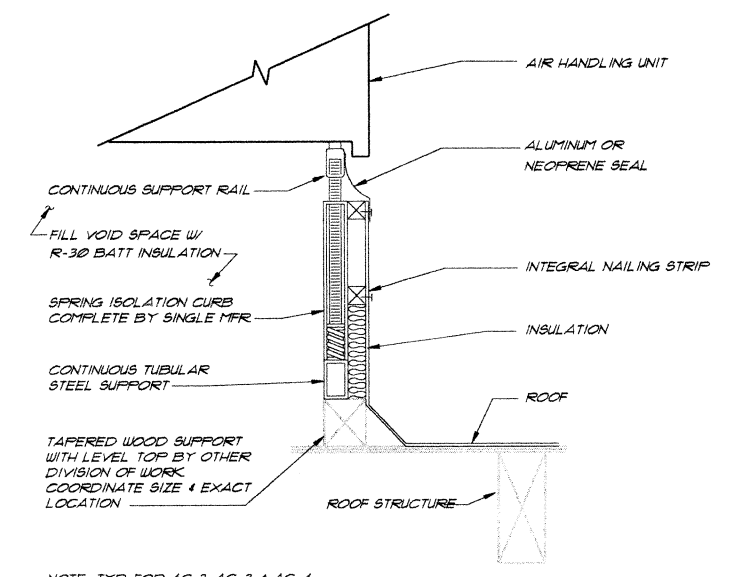
**10 SIDEWALL GRILLE DETAIL**

M4.2 N.T.S.



**11 ACU CURB DETAIL**

M4.2 N.T.S.



**12 SPRING ISOLATION CURB**

M4.2 N.T.S.

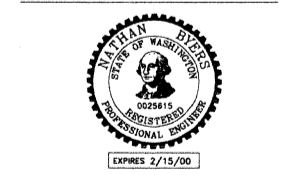
\* BOOTS FOR TRANSFER GRILLES, DIFFUSERS, AND RETURN AIR GRILLES MAY BE DUCTBOARD IN LIEU OF SHEET METAL. (NO OTHER DUCTBOARD ALLOWED ON PROJECT.)

PLOT DATE: MAY 11, 1999 9:00 AM  
CAD FILE: C:\CADD\9803\M4228043



SCALE 1/4" = 1'-0"

NO.	DATE	REVISION

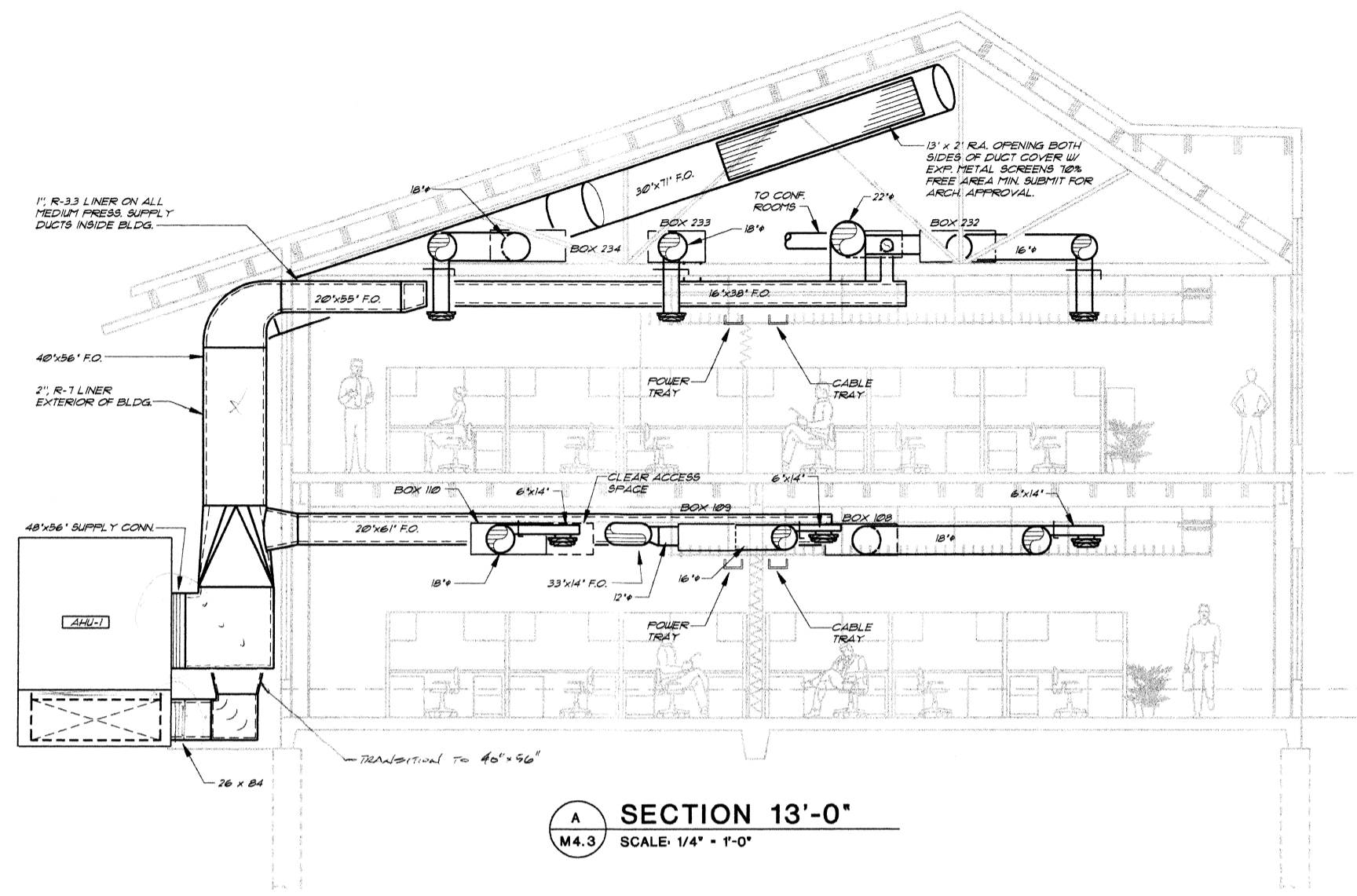


SIDER & BYERS  
ARCHITECTS, INC.  
MECHANICAL ENGINEERS  
LICENSED 2/15/00

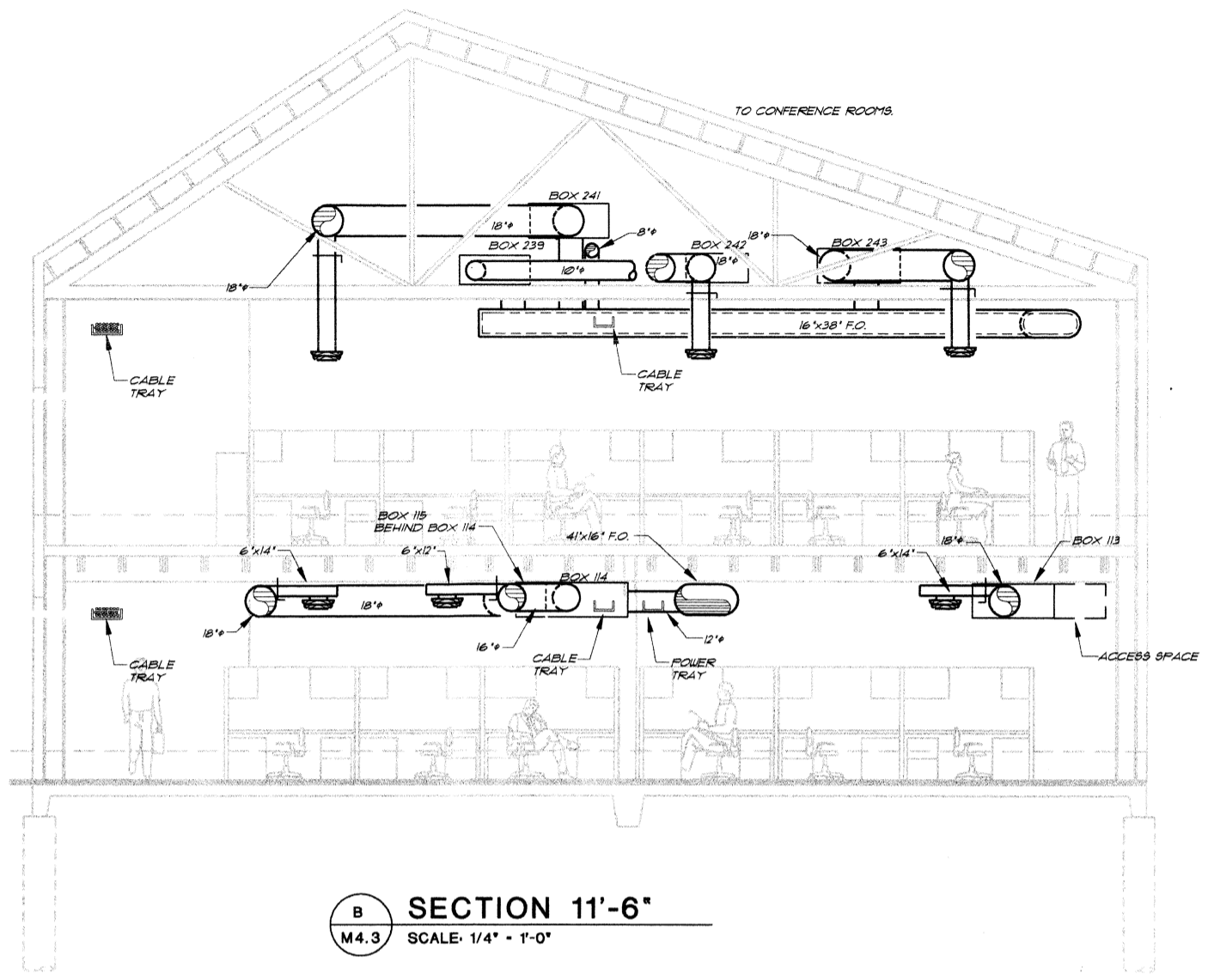
HVAC  
SECTIONS

95043  
PROJECT NO.  
5/18/00  
DATE  
M4398046  
COPYRIGHT 2000

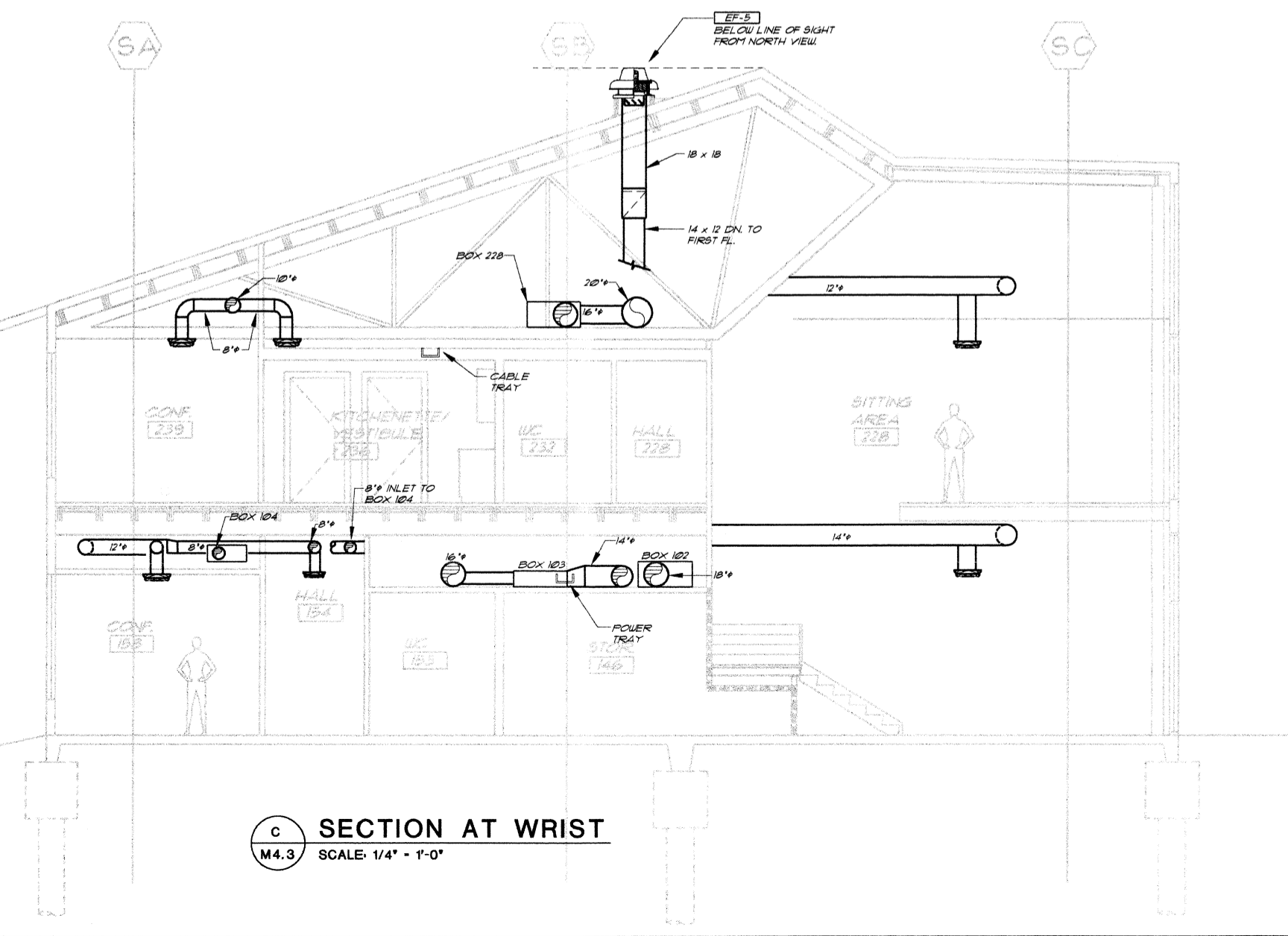
**M4.3** CONSTRUCTION SET



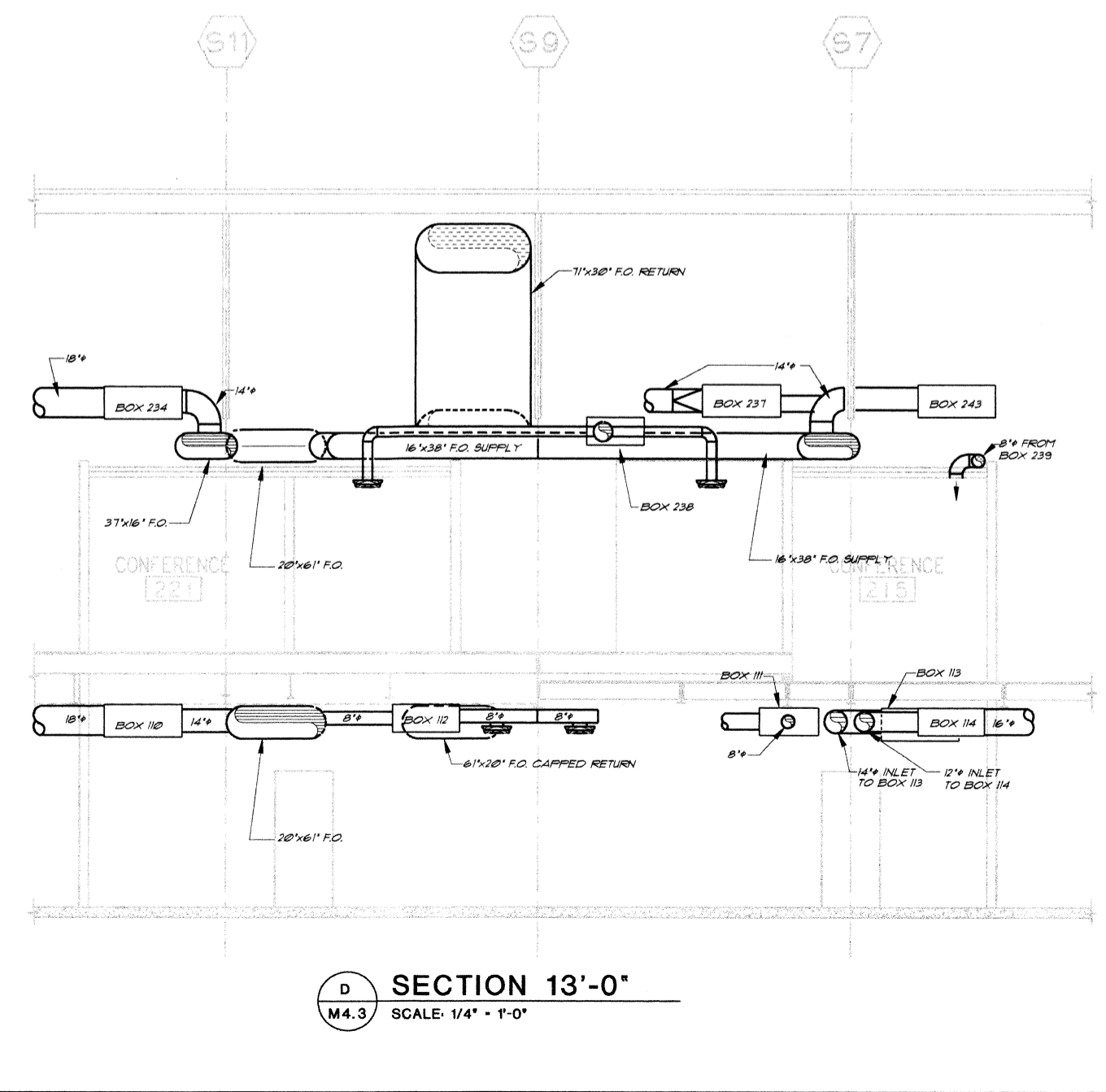
**A SECTION 13'-0"**  
M4.3 SCALE: 1/4" = 1'-0"



**B SECTION 11'-6"**  
M4.3 SCALE: 1/4" = 1'-0"



**C SECTION AT WRIST**  
M4.3 SCALE: 1/4" = 1'-0"



**D SECTION 13'-0"**  
M4.3 SCALE: 1/4" = 1'-0"



**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON

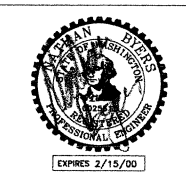


SCALE 1/4"=1'-0"

NO.	DATE	REVISION

NO. DATE REVISION

PROJECT MANAGER  
R.V.  
PROJECT ARCHITECT  
R.T.G.  
DESIGNER  
P.M.J.  
CHECKER

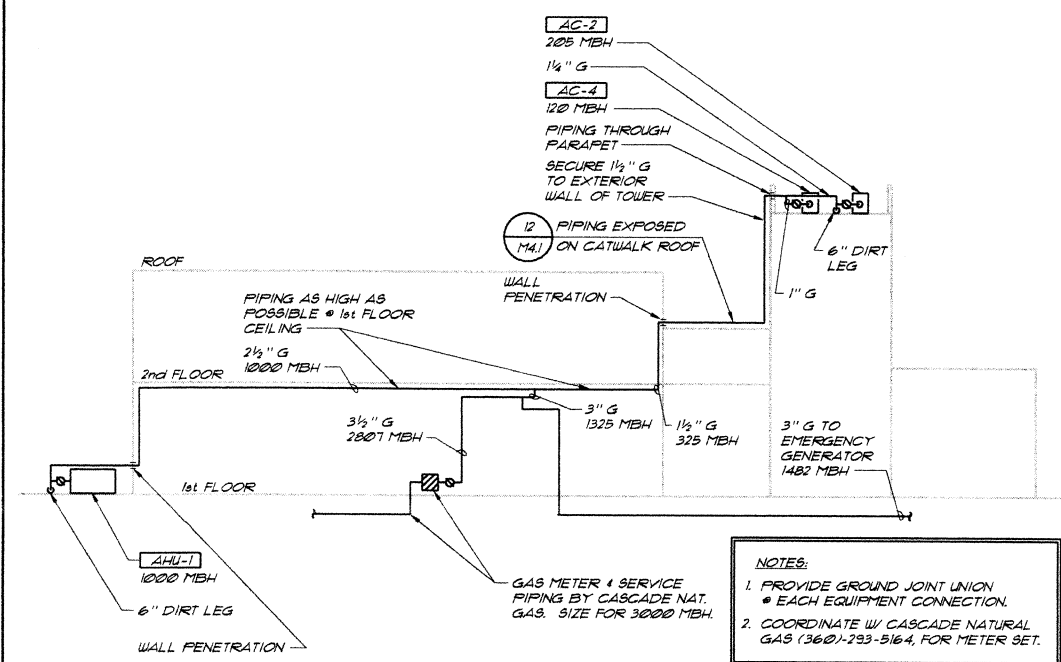


SIDER & BYERS  
ASSOCIATES, INC.  
MECHANICAL ENGINEERS  
130 NICKERSON, SUITE 304  
SEATTLE, WASHINGTON 98108  
(206) 463-5242 FAX (206) 463-1245

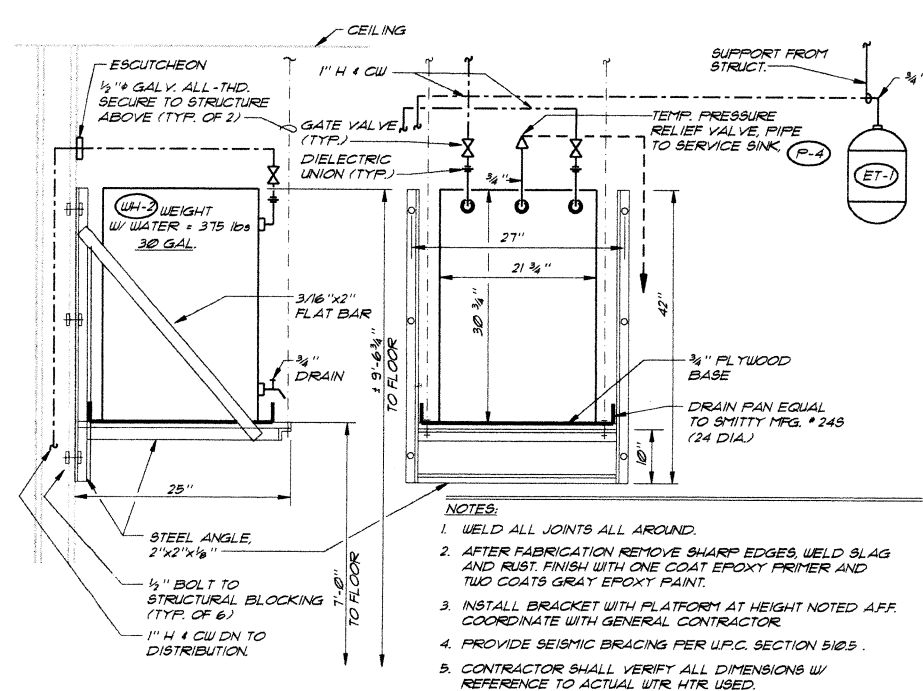
MECHANICAL  
DETAILS & SECTIONS

28046  
PROJECT NO.  
5/16/99  
DATE  
M4498046  
COMPUTER FILE NAME

**M4.4** CONSTRUCTION SET  
SHEET NUMBER



**1 GAS RISER DIAGRAM**  
M4.4 N.T.S.



**2 BRACKET MOUNTED WATER HEATER DETAIL**  
M4.4 N.T.S.

MECHANICAL EQUIPMENT SCHEDULE table with columns: ITEM, TITUS MODEL, DESCRIPTION, SIZE, MARK. Includes entries for CEILING DIFFUSER, SUPPLY GRILLE, RETURN GRILLE, TRANSFER GRILLE, EXHAUST GRILLE, ROOFTOP PACKAGED VAV AIR CONDITIONING UNIT, ROOFTOP PACKAGE AIR CONDITIONING UNIT, SPLIT SYSTEM COOLING OUTDOOR UNIT, DUCTLESS SPLIT-SYSTEM COOLING INDOOR UNIT, ROOFTOP CENTRIFUGAL EXHAUSTER.

REMARKS: 1. CEILING UNIT FRAME SHALL BE COMPATIBLE WITH CEILING; FLAT FRAME SURFACE MOUNT FOR DRYWALL CEILINGS AND WITH LAY-IN PANEL FOR EXPOSED GRID CEILINGS. SEE ARCHITECTURAL PLANS. 2. SIZE INDICATES DUCT COLLAR.

MECHANICAL EQUIPMENT SCHEDULE table with columns: MARK, ITEM, MFR. MODEL, DESCRIPTION. Includes entries for AC-1, AC-2, AC-3, AC-4, AC-4A, EF-1, EF-2, EF-3, EF-4, EF-5, SERIES TERMINAL BOX, VAV TERMINAL BOX.

BUILDING CODE NOTES: ALL SUBMITTALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND/OR THE ARCHITECT THEN SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PER SECTION 106.3.4.2. APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL PER SECTION 106.4.1, ADDRESS TO PLANS.

ENERGY CODE NOTES: 1. SEE SCHEDULE FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. 2. PROVIDE THERMOSTAT CONTROLS CAPABLE OF DEADBAND OF 5 DEGREE MINIMUM BETWEEN HEATING AND COOLING. 3. PROVIDE AUTOMATIC CONTROLS WITH NIGHT SETBACK AND PROGRAMMABLE 7 DAY SCHEDULE. 4. PROVIDE DAMPERS FOR OUTSIDE AIR INTAKES AND EXHAUST FANS WHICH CLOSE AUTOMATICALLY WHEN THE SYSTEM IS OFF, EXCEPT FOR THOSE SYSTEMS WHICH OPERATE CONTINUOUSLY. 5. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED CONTROL FOR ALL EQUIPMENT OVER 225 MBH. 6. PROVIDE A MEANS OF BALANCING EVERY AIR SUPPLY OUTLET AND AIR OR WATER TERMINAL DEVICE. 7. SIMULTANEOUS HEATING AND COOLING IN A ZONE IS NOT PERMITTED. 8. SEAL TRANSVERSE AND LONGITUDINAL SEAMS OF ALL DUCTWORK. 9. DUCT INSULATION: SEE SPECIFICATION SECTION 15250. 10. PIPE INSULATION: SEE SPECIFICATION SECTION 15250.

GENERAL PLUMBING NOTES: 1. PLUMBING FIXTURES SHALL BE DESIGNED OR EQUIPPED TO MEET FOLLOWING WATER USE EFFICIENCY STANDARDS: a. WATER CLOSETS (TANK STYLE OR FLUSH VALVE) 1.6 GPF. b. URINALS 1.0 GPF. c. SHOWER HEADS & BATHROOM FAUCETS 2.5 GPM. d. LAVATORY & KITCHEN FAUCETS 2.5 GPM. SINK AND LAVATORY DRAINS SHALL BE CHROME PLATED 17 GA. BRASS TUBING BY ENGINEERED BRASS, DEARBORN OR BRASSCRAFT. PROVIDE INSULATED P-TRAP & SUPPLY COVERS ON ALL EXPOSED P-TRAPS & SUPPLIES PER A.D.A. STANDARDS. 2. PLUMBING FIXTURE MOUNTING SHALL COMPLY WITH CONTRACT DOCUMENTS AND WASHINGTON STATE BUILDING CODE CHAPTER 51-30 (ACCESSIBILITY) EFFECTIVE JUNE 30, 1995. 3. INSTALL WATER HAMMER ARRESTORS ON HOT AND COLD WATER PIPING OF EACH FIXTURE GROUP. UNITS SHALL BE EQUAL TO MAKE "SHOCKSTOP". SELECT UNIT SIZE AND LOCATION PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORD WITH PDG STANDARD WH-201. PROVIDE ACCESS PANELS AT ARRESTORS ABOVE GNB CEILINGS. 4. COLD WATER AND HOT WATER PIPING SHALL BE ROUTED FULL SIZE AS SHOWN ON PLANS WITH APPROPRIATE SIZE REDUCTION AT POINT OF CONNECTION TO FIXTURE. 5. INSTALL WATER PIPING ON WARM SIDE OF BUILDING INSULATION. 6. WHEN CONNECTING TO EXISTING BURIED WASTE PIPING, VERIFY PROPER FLOW CONDITIONS BEFORE COVERING. BURIED WASTE AND VENT PIPING SHALL BE MIN. 2" DIA. & SLOPED 1/4"/FT. 7. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS EXCEPT IN SHOWER STALLS. CONTRACTOR SHALL INSTALL LOCKABLE ACCESS PANELS AT PRIMERS CONCEALED IN WALLS. 8. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH HVAC UNITS. MAINTAIN MIN. 10'-0" CLEARANCE. OFFSET VTR AS NECESSARY. 9. INSTALL WATER HEATERS IN ACCORD WITH MANUFACTURERS RECOMMENDATIONS AND SET OUTPUT TEMPERATURE TO 115 DEG. F. UNLESS OTHERWISE NOTED. FOR ELEC. WATER HEATERS SET ON CONCRETE FLOORS. PROVIDE R-10 INSUL. PAD. 10. RISER DIAGRAMS & PLANS DO NOT SHOW SOME PIPING OFFSETS REQUIRED FOR STRUCTURAL CLEARANCES. EXACT ROUTING MAY VARY FROM THAT INDICATED. 11. SITE WATER PRESSURE IS 84 PSIG PER ANACORTES WATER DEPT.

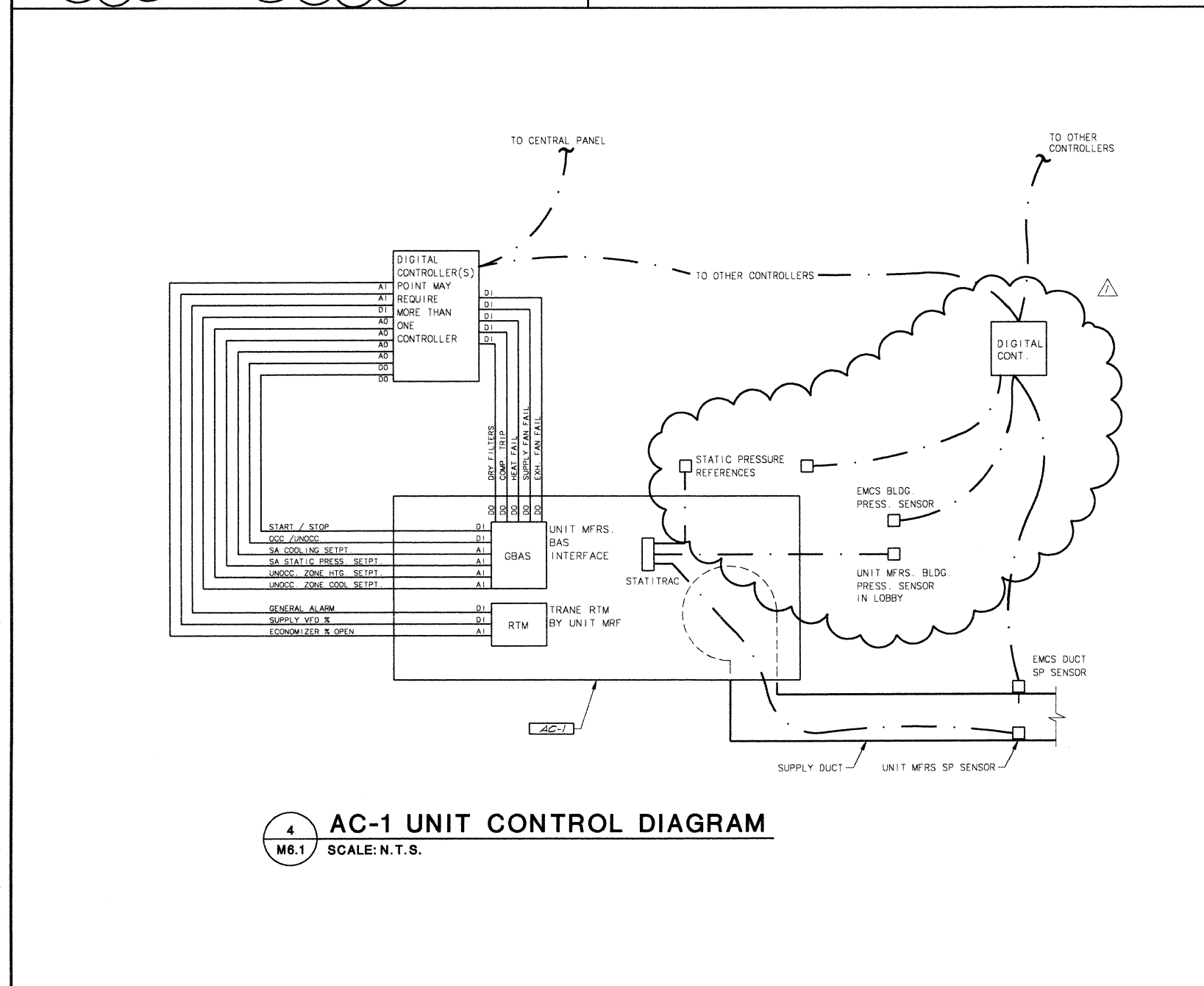
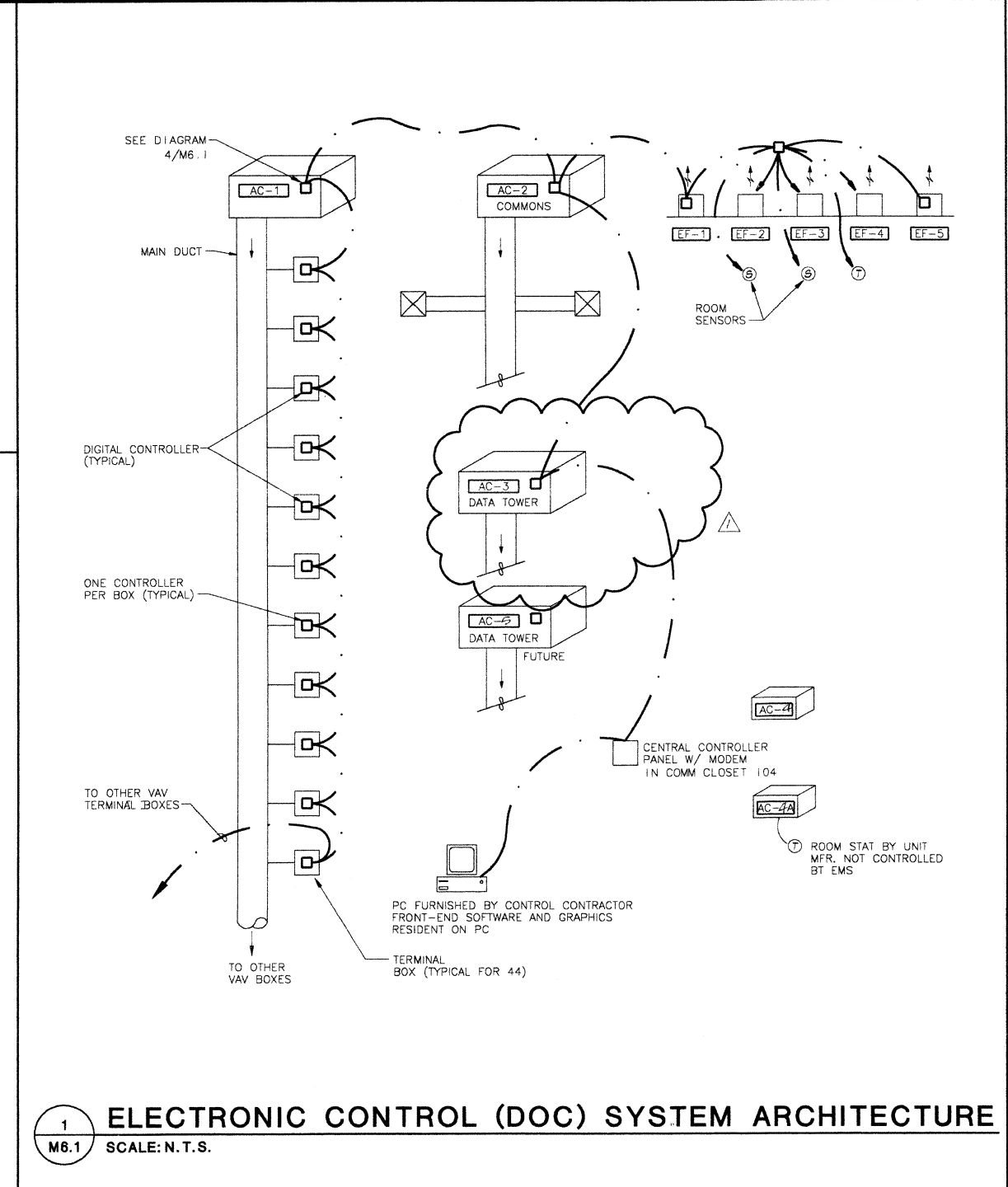
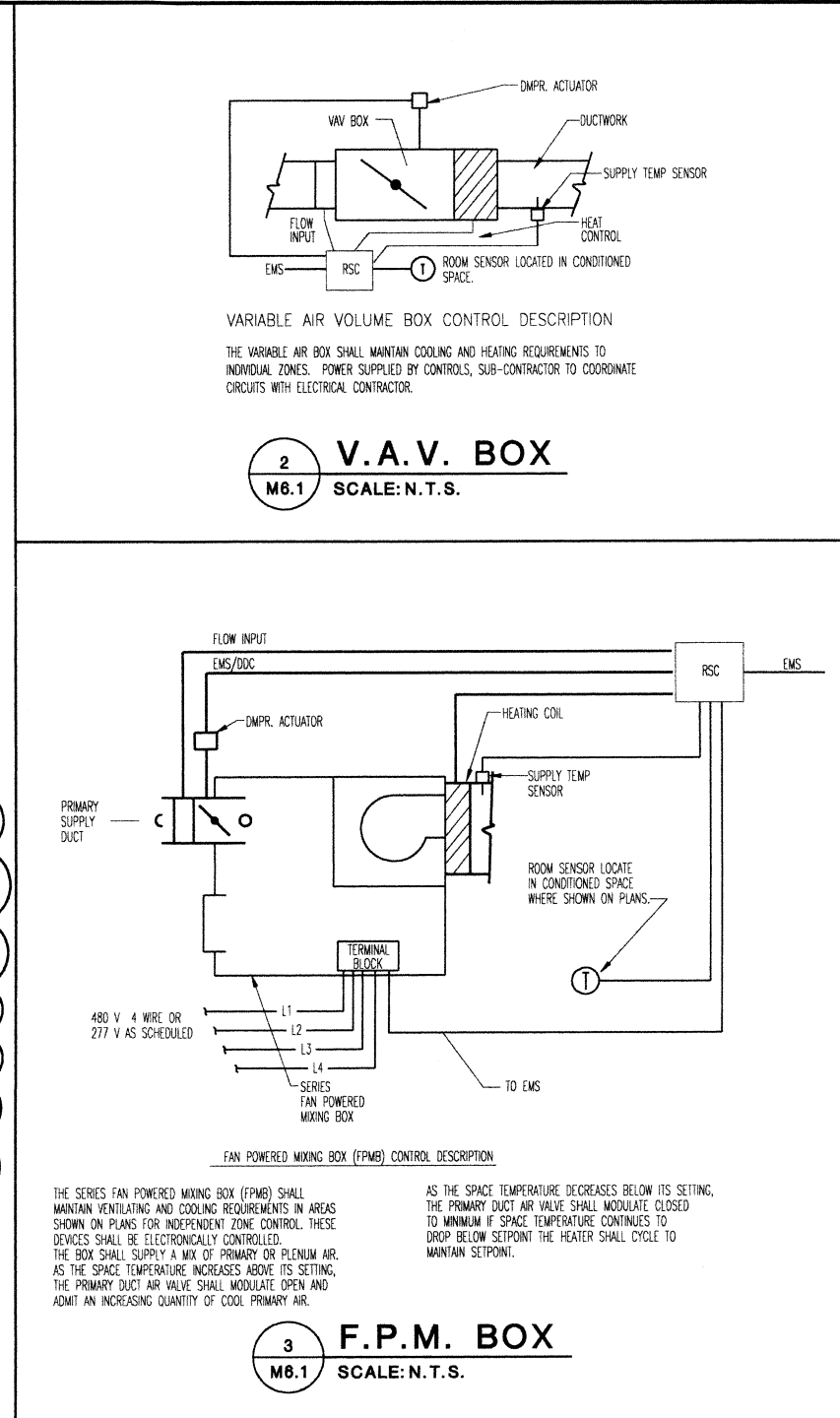
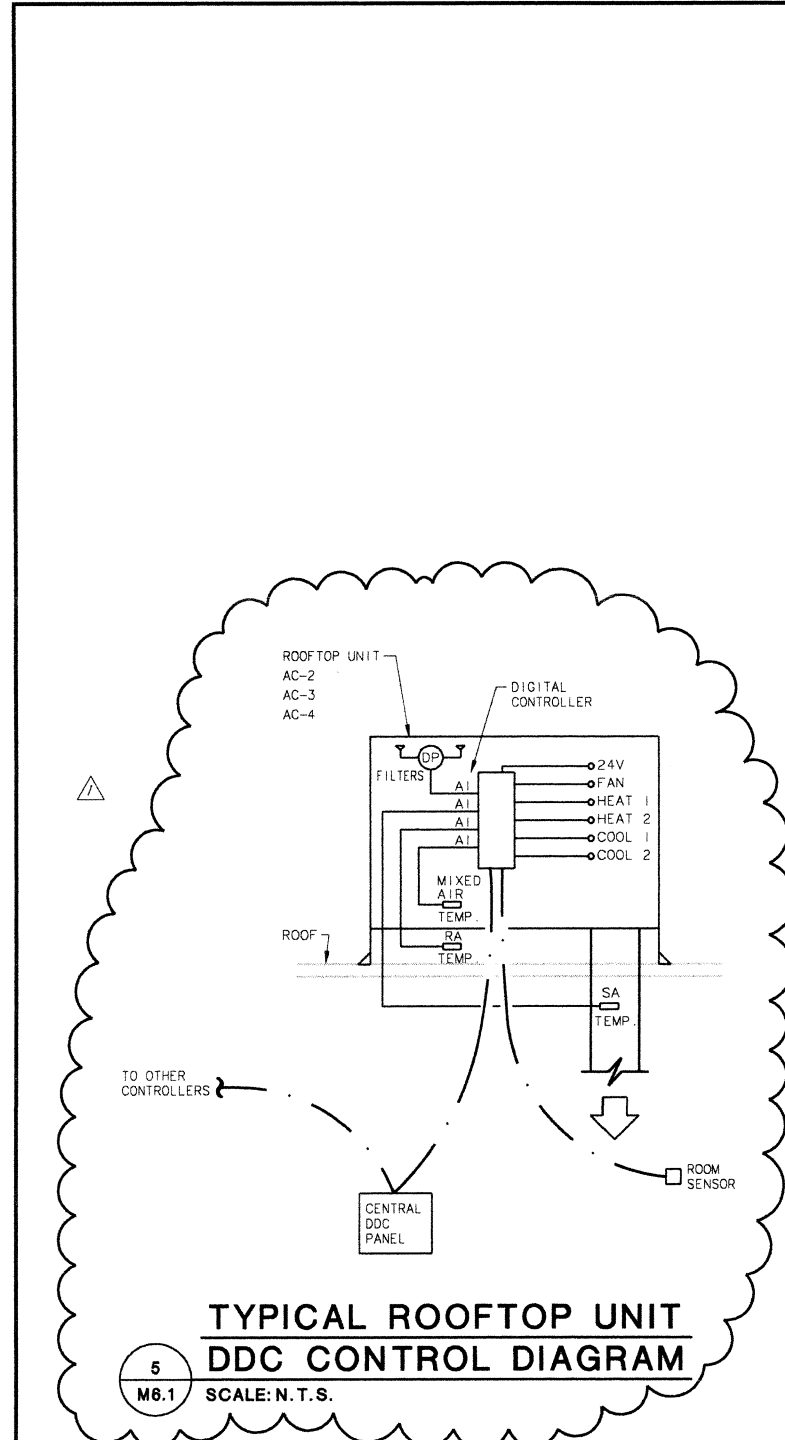
PLUMBING FIXTURE SCHEDULE table with columns: MARK, ITEM, MFR. MODEL, DESCRIPTION. Includes entries for WATER CLOSET, SEAT, FLUSH VALVE, LAVATORY, FAUCET, P-TRAP, SHOWER, SHOWER VALVE, WATER COOLER, FLOOR DRAIN, SERVICE COCK, WATER HEATER, EXPANSION TANK.

PLUMBING FIXTURE SCHEDULE table with columns: MARK, ITEM, MFR. MODEL, DESCRIPTION. Includes entries for WATER CLOSET, SEAT, FLUSH VALVE, LAVATORY, FAUCET, P-TRAP, SHOWER, SHOWER VALVE, WATER COOLER, FLOOR DRAIN, SERVICE COCK, WATER HEATER, EXPANSION TANK.

MITHUN PARTNERS ARCHITECTURE PLANNING & INTERIOR DESIGN 414 OLIVE WAY SUITE 200 SEATTLE WA 98101 (206) 469-3344 FAX (206) 469-7000

SUN HEALTHCARE SYSTEMS, INC. CAMPUS: PHASE ONE ANACORTES, WASHINGTON TRUE NORTH

CONSTRUCTION SET ENTIRE SHEET 5/18/99 N.B. ANY CHANGES MUST BE MADE BY THE ARCHITECT OR ENGINEER OF RECORD. SIDER & BYERS ARCHITECTS, INC. MEDICAL DESIGN 180 NEITHERBOL, SUITE 204 SEATTLE, WASHINGTON 98102 (206) 286-0998 FAX (206) 286-1445 M5.1 CONSTRUCTION SET



**INPUT/OUTPUT SUMMARY**

SYSTEM APPARATUS OR AREA POINT DESCRIPTION	ANALOG IN		DIGITAL IN		OUTPUTS		ALARMS		SYSTEMS FEATURES	
	MEASURED		D/O	A/O	D/O	A/O				PROGRAMS
OUTSIDE AIR TEMP.										
AC UNIT 1										
HEATING (STAGED)										
COOLING										
DISCHARGE TEMP.										
SUPPLY FAN VAV										
DUCT STATIC										
AC UNIT 2										
HEATING (STAGED)										
COOLING (2 STAGES)										
DISCHARGE TEMP.										
DIFFERENTIAL PRESSURE										
AC UNIT 3										
HEATING (STAGED)										
COOLING (2 STAGES)										
DISCHARGE TEMP.										
DIFFERENTIAL PRESSURE										
FPM BOXES	X	X	X		X	X	X	X	X	X
VAV ONLY BOXES	X	X	X		X	X	X	X	X	X

**NOTES:**  
 (1) SUPPLY AIR DUCT SMOKE DETECTOR.  
 (2) MEASURED WHERE INDICATED ON PLANS.  
 (3) ONE (1) SENSOR, 2/3 DISTANCE DOWN MAIN TRUNK.

**SEQUENCE OF OPERATION**

1. ROOFTOP AIR CONDITIONING UNIT AC-1 AND TERMINAL BOXES

2. CENTRAL DDC PANEL SHALL PERFORM THE FOLLOWING FUNCTIONS AS DIRECTED BY THE CENTRAL EMS PANEL:

- SUPPLY AIR PRESSURE CONTROL
  - VARIABLE SPEED DRIVE CONTROL
  - SUPPLY AIR STATIC PRESSURE CONTROL
  - SUPPLY AIR TEMPERATURE CONTROL
  - COOLING AND ECONOMIZER CONTROL
  - SUPPLY AIR TEMPERATURE SETPOINT RESET BASED ON OUTDOOR AIR TEMPERATURE
- MORNING WARMUP
  - MORNING WARMUP WITH GAS-FIRED HEATING SECTION
- OUTDOOR AIR CFM COMPENSATION
  - MODULATES MINIMUM POSITION OF ECONOMIZER TO ACCOMMODATE VARYING UNIT AIRFLOWS
- EXHAUST AIR FAN CONTROL
  - DIFFERENTIAL PRESSURE CONTROL VARIES EXHAUST AIR FAN CAPACITY TO MAINTAIN BUILDING PRESSURE

REFER TO DIAGRAM 4/MS.1.

3. USER INTERFACES SHALL BE AS FOLLOWS:

- INTERFACE PANEL ON THE FACE OF THE AIR HANDLING UNIT DDC PANEL WITH A MINIMUM OF 2 LINE X 40 CHARACTER DISPLAY FOR MONITORING, SETTING, EDITING, AND CONTROLLING.
- CENTRAL DDC PANEL SHALL BE MONITORED BY A PERSONAL COMPUTER PROVIDED BY THE CONTROLS CONTRACTOR.
- CENTRAL DDC PANEL SHALL BE PROVIDED WITH A MODEM FOR MONITORING BY A SERVICE CONTRACTOR.

4. AIR CONDITIONING UNIT AC-4 AND AC-4A:

- UNIT MFRS. ELECTRONIC SEVEN-DAY THERMOSTAT PROVIDES START/STOP, HEATING, COOLING, AUTOMATIC CHANGEOVER, FAN CONTROL, NIGHT SETBACK.
- INDEPENDENT ROOM SENSOR REPORTS TO DDC CONTROL PANEL FOR MONITORING BY THE CENTRAL SYSTEM.
- FAN RUNS CONTINUOUSLY DURING OCCUPIED HOURS.

5. FANS:

- EXHAUST FANS EF-1 AND EF-5: RUN CONTINUOUSLY DURING OCCUPIED HOURS.
- EXHAUST FANS EF-2, EF-3 AND EF-4: CYCLED BY ROOM SENSOR TO OPERATE UPON TEMP RISE TO 80 F (ADJ.).

6. UNIT HEATER UH-1:

WALL THERMOSTAT CYCLES FAN AND HEATER TO MAINTAIN SETPOINT (ADJ.).

7. GENERAL:

THE FOLLOWING WORK SHALL BE CONSIDERED TO BE UNDER DIVISION 16:

- ALL POWER WIRING FROM POWER SOURCE TO EQUIPMENT.
- CHECKING CURRENT CHARACTERISTICS AND ROTATION OF ALL MOTORS.
- FURNISHING AND INSTALLING DISCONNECT SWITCHES UNLESS SPECIFICALLY NOTED OTHERWISE.
- FURNISHING AND INSTALLING ALL STARTERS.

THE FOLLOWING WORK SHALL BE CONSIDERED TO BE UNDER DIVISION 15:

- ALL TEMPERATURE, INTERLOCK, AND EQUIPMENT CONTROL WIRING, CONDUIT, AND APPURTENANCES, HIGH AND LOW VOLTAGE.
- ALL CONTROL WIRING, LINE OR LOW VOLTAGE, INCLUDING BUT NOT LIMITED TO WIRING THROUGH THE COILS OF THE MAGNETIC STARTERS AND RELAYS, AND THROUGH THE CONTACTS OF THERMOSTATS AND OTHER PILOT DEVICES, EXCEPT WHERE NOTED OTHERWISE.

OWNER WILL NOT ENTERTAIN ADDITIONAL COSTS DUE TO LACK OF COORDINATION BETWEEN DIVISION 15 AND DIVISION 16.

**MITHUN PARTNERS**  
 ARCHITECTURE PLANNING & INTERIOR DESIGN  
 414 OLIVER WAY  
 SUITE 1100  
 SEATTLE, WASHINGTON 98101  
 (206) 465-7844  
 FAX: (206) 465-7850

**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON

**TRUE NORTH**

DATE: 5/18/99  
 CONSTRUCTION SET

N.B.  
 PARTNER IN CHARGE  
 PROJECT MANAGER  
 R.V.  
 PROJECT ARCHITECT

DATE: 5/18/99  
 CONSTRUCTION SET

SIDER & BYERS  
 ARCHITECTS, INC.  
 180 INDEPENDENCE BOULEVARD  
 SEATTLE, WASHINGTON 98101  
 (206) 465-0548 FAX: (206) 465-1145

**CONTROLS**

98046  
 PROJECT NO.  
 5/18/99  
 DATE  
 M6198046  
 OWNER USE ONLY

**M6.1** CONSTRUCTION SET  
 SHEET NUMBER  
 COPYRIGHT © 1999 MITHUN PARTNERS, INC.

CAD FILE: C:\CAD\98046\M6198046  
 PLOT DATE: FEB 9, 1999 8:57 AM

# SYMBOLS & ABBREVIATIONS

## LIGHTING

- LIGHT FIXTURE TYPE - SEE LIGHTING PLANS AND FIXTURE SCHEDULE FOR FIXTURE SYMBOLS & TYPES.
- EXIT SIGN - DIRECTIONAL ARROWS AS INDICATED, SHADED SIDES ILLUMINATED
- EMERGENCY BATTERY POWER PACK WITH TWO LAMPS.
- SWITCH - SINGLE POLE SUBSCRIPTS a,b, etc., DENOTES CIRCUIT CONTROLLED
- 3 WAY SWITCH
- 4 WAY SWITCH
- SWITCH - KEY OPERATED
- SWITCH - WITH PILOT LIGHT
- DIMMER
- MOMENTARY CONTACT LOW VOLTAGE SWITCH
- RELAY - NEC CLASS II
- LOW VOLTAGE TRANSFORMER
- OCCUPANCY SENSOR
- SWITCH - OCCUPANCY SENSOR
- SWITCH - PHOTO CELL

## RECEPTACLES

- SINGLE RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V, MOUNTED 3" ABOVE COUNTER BACKSPLASH
- DOUBLE DUPLEX RECEPTACLE 120V
- TWIST LOCK RECEPTACLE 120V
- DUPLEX RECEPTACLE 120V, EMERGENCY CIRCUIT
- DOUBLE DUPLEX RECEPTACLE 120V, EMERGENCY CIRCUIT
- CLOCK RECEPTACLE 120V
- SPLIT WIRED RECEPTACLE, 120V, TOP SWITCHED
- COMBINATION RECEPTACLE 120/208V, 120/240V
- RECEPTACLE 208V OR 240V, SINGLE PHASE
- RECEPTACLE 208V, SINGLE PHASE (TWIST LOCK)
- RECEPTACLE 208V OR 240V, 3 PHASE
- RECEPTACLE 480V, SINGLE PHASE
- RECEPTACLE 480V, 3 PHASE
- CEILING CORD DROP, 120V, SINGLE PHASE
- CEILING CORD DROP, 120V, SINGLE PHASE, EMERGENCY CIRCUIT
- FUSH FLOOR BOX & OUTLET (DEVICES AS INDICATED)
- FLOOR OUTLET - POKE THROUGH (DEVICES AS INDICATED)
- UNDERFLOOR DUCT SERVICE OUTLET (DEVICES AS INDICATED)
- TELEPHONE / POWER POLE
- MULTI-OUTLET ASSEMBLY
- COMBINATION OUTLET (DEVICES AS INDICATED)
- DUPLEX RECEPTACLE SURGE PROTECTED
- DUPLEX RECEPTACLE - ISOLATED GROUND
- DUPLEX RECEPTACLE - STANDBY POWER
- DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER TYPE
- ELECTRIC HEAT**
- BASEBOARD HEATER CONNECTION (KW INDICATED)
- CABINET HEATER CONNECTION
- UNIT HEATER CONNECTION
- DUCT HEATER CONNECTION

NOTE: ALL SUBMITTALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND THEN SUBMITTED TO THE ANACORTES BUILDING DEPARTMENT FOR REVIEW AND APPROVAL.

## EQUIPMENT

- PANEL - 208 VOLT SYSTEM
- PANEL - 480 VOLT SYSTEM
- EQUIPMENT CONNECTION, E = EMERGENCY POWER
- MOTOR CONNECTION SINGLE PHASE
- MOTOR CONNECTION 3 PHASE
- POWER BUSWAY
- TRANSFORMER
- HOT WATER TANK

## CONTROL

- FUSED SWITCH (FUSE RATING INDICATED)
- DISCONNECT SWITCH
- MOTOR STARTER - MAGNETIC
- MANUAL STARTER
- COMBINATION MOTOR STARTER DISCONNECT SWITCH
- ENCLOSED CIRCUIT BREAKER
- THERMOSTAT
- TIME CLOCK
- CONTACTOR
- RELAY - CONTROL TYPE
- PHOTOCELL CONTROL
- PUSH BUTTON CONTROL STATION
- AUTO DOOR PUSHPLATE

## CIRCUITS

- RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE U.O.N. TWO WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL.
- INDICATES GROUND WIRE.
- INDICATES NEUTRAL CONDUCTOR SIZED AT #10.
- INDICATES ISOLATED GROUND WIRE.
- RACEWAY CONCEALED IN FLOOR OR WALL
- RACEWAY EXPOSED
- RACEWAY UP
- RACEWAY DOWN
- RACEWAY STUB-OUT WITH BUSHING
- HOME RUN TO PANEL OR LOCATION NOTED
- CIRCUIT CONTINUATION
- JUNCTION BOX
- PULL BOX
- EXISTING RACEWAY (IF HASH MARKS ARE SHOWN PULL NEW CONDUCTORS)
- LOW VOLTAGE WIRING (NEC CLASS II)
- TELEPHONE SYSTEM RACEWAY
- COMPUTER SYSTEM RACEWAY

## ELECTRICAL RISER

- FUSED SWITCH
- CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- CIRCUIT BREAKER - GROUND FAULT PROTECTION
- CABLE TO BUS CONNECTION
- FUSE OR CURRENT LIMITER
- GROUND CONNECTION
- IDENTIFICATION SYMBOL FOR FEEDER SIZES
- TRANSFORMER
- WATT-HOUR METER
- AMMETER
- VOLTMETER
- TRANSFER SWITCH
- ENGINE-GENERATOR
- AVAILABLE SHORT CIRCUIT CURRENT

## DOOR BUZZER SYSTEM

- PUSH BUTTON
- BUZZER HORN
- TRANSFORMER
- BUZZER AND VISUAL INDICATOR

## FIRE ALARM SYSTEM

- MANUAL STATION
- SMOKE DETECTOR (D INDICATES INSTALLATION IN DUCT)
- HEAT DETECTOR (D INDICATES INSTALLATION IN DUCT)
- SPRINKLER VALVE POSITION MONITOR CONNECTION
- SPRINKLER FLOW SWITCH CONNECTION
- SPRINKLER PRESSURE SWITCH CONNECTION
- FIRE ALARM SPEAKER - FLUSH CEILING MOUNTED
- FIRE ALARM SPEAKER - WALL MOUNTED
- FIRE ALARM CHIME
- FIRE ALARM HORN
- VISUAL ALARM LIGHT - WALL MOUNTED
- FIRE ALARM CONTROL PANEL
- REMOTE INDICATION LIGHT
- SMOKE DOOR RELEASE MECHANISM (WALL MOUNTED MAGNETIC TYPE)
- SMOKE DOOR RELEASE MECHANISM (COMBINATION DOOR CLOSER/HOLDER TYPE)
- FIRE ALARM REMOTE ANNUNCIATOR (FARA)
- FIRE ALARM GRAPHIC ANNUNCIATOR
- SMOKE DAMPER CONNECTION
- ROLLING DOOR RELEASE MECHANISM
- FIREFIGHTER'S TELEPHONE JACK
- MONITOR POINT

## TELEPHONE & COMPUTER SYSTEMS

- TELEPHONE OUTLET
- TELEPHONE OUTLET - WALL MOUNTED
- DICTATION OUTLET
- COMPUTER OUTLET
- CABLE TRAY
- TELEPHONE TERMINAL BOARD (TTB)
- COMMUNICATION RACEWAY

## INTERCOM SYSTEMS

- MASTER STATION - (W=WALL MOUNTED)
- SLAVE STATION
- INTERCOM STATION - FLUSH CEILING MOUNTED

## SECURITY SYSTEM

- MAGNETIC DOOR SWITCH
- GLASS BREAK DETECTOR
- ENTRY/EXIT KEYPAD
- SECURITY CONTROL PANEL
- ELECTRIC STRIKE
- CARD READER
- REQUEST TO EXIT DETECTOR

## PUBLIC ADDRESS SYSTEM

- SPEAKER - FLUSH CEILING MOUNTED. NUMBER = ZONE
- SPEAKER - WALL MOUNTED AT +84" AFF.
- VOLUME CONTROLLER WALL MOUNTED AT +54" AFF. NUMBER = ZONE
- SPEAKER - MUSIC ONLY
- MICROPHONE

## MISCELLANEOUS

- GENERATOR REMOTE ALARM PANEL
- CLOSED CIRCUIT TV CAMERA

## AUDIO VIDEO

- CAMERA INPUT PANEL
- VOLUME CONTROL
- WALL MOUNTED SPEAKER
- AUDIO VIDEO WALL PANEL
- SMI AFB-701 FLUSH MOUNTED FLOOR BOX
- SPEAKER - FLUSH CEILING MOUNTED. NUMBER = ZONE
- JUNCTION BOX
- JUNCTION BOX
- EQUIPMENT RACK

## GENERAL NOTES

- COMPLY WITH NATIONAL ELECTRICAL CODE 1996 EDITION AND WAC 296-46.
- THE LOCATIONS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES INDICATED ON ARCHITECTURAL PLANS ELEVATIONS OR SECTIONS TAKE PRECEDENCE OVER LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.

## WORK DEFINITION

- FLAG NOTE
- REVISION SYMBOL
- ELECTRICAL DETAIL SYMBOL
- EXISTING EQUIPMENT OR DEVICE
- REMOVE EXISTING ELECTRICAL EQUIPMENT
- EXISTING WALLS
- IDENTIFICATION SYMBOL FOR EQUIPMENT

## ABBREVIATIONS

ACH	ABOVE COUNTERTOP BACKSPLASH HEIGHT	MCC	MOTOR CONTROL CENTER
AFF	AND/OR SINK BACKSPLASH HEIGHT	MW	MICROWAVE
A, AMP	ABOVE FINISHED FLOOR	N	NEUTRAL
AG	ABOVE GRADE	NIC	NOT IN CONTRACT
ATS	AMPERE	PNL	PANEL
AWG	AUTOMATIC TRANSFER SWITCH	R	RACEWAY
CB	AMERICAN WIRE GAGE	RO	RACEWAY ONLY
CKT	CIRCUIT BREAKER	RECP	RECEPTACLE
CTB	COMMUNICATIONS TERMINAL BOARD	REF	REFRIGERATOR
C	CONDUIT	SPECS	SPECIFICATIONS
DED	DEDICATED	SW	SWITCH
DW	DISHWASHER	SWBD	SWITCHBOARD
EWC	ELECTRIC WATER COOLER	TELE	TELEPHONE
FA	FIRE ALARM	TRP	TYPICAL
FBOIC	FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR	UCR	UNDERCOUNTER REFRIGERATOR
G, GND	GROUND	UNON	UNLESS OTHERWISE NOTED
GD	GARBAGE DISPOSAL	V	VOLT
GF, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VP	VANDALPROOF
HP	HORSEPOWER	W	WIRE OR WATT
IH	INSTA-HOT WATER DISPENSER	WP	WEATHERPROOF
J-BOX	JUNCTION BOX	XFMR	TRANSFORMER
		Ø	PHASE

## OUTLET MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

ACH RECEPTACLES	+ 4 INCHES VERTICAL
LIGHT SWITCHES	+ 18 INCHES VERTICAL
	+ 4 FEET SET VERTICAL
CLOCK OUTLET	+ 6 FEET, 8 INCHES
PANELBOARDS	+ 6 FEET TO TOP OF PANEL BOARD
TELEPHONE OUTLET - DESK	+ 18 INCHES VERTICAL
TELEPHONE OUTLET - WALL	+ 54 INCHES VERTICAL
COMPUTER OUTLET - DESK	+ 18 INCHES VERTICAL
MANUAL STATION	+ 4 FEET
FIRE ALARM VISUAL ALARM LIGHT	+ 80 INCHES OR 6 INCHES BELOW CEILING WHICH EVER IS LOWER
FIRE ALARM HORN, CHIME	+ 80 INCHES OR 6 INCHES BELOW CEILING WHICH EVER IS LOWER
FIRE ALARM CONTROL PANEL	+ 6 FEET TO TOP OF PANEL

## DRAWING LIST - ELECTRICAL

E0.0	SYMBOLS AND ABBREVIATIONS
E0.1	ELECTRICAL SITE PLAN
E1.0	POWER RISER DIAGRAM
E2.1	FIRST FLOOR POWER PLAN - SOUTH
E2.2	SECOND FLOOR POWER PLAN - SOUTH
E2.3	ROOF POWER PLAN
E2.4	FIRST FLOOR MECHANICAL POWER PLAN - SOUTH
E2.5	SECOND FLOOR MECHANICAL POWER PLAN - SOUTH
E2.6	ELECTRICAL DETAILS - SHEET 1
E2.7	ELECTRICAL DETAILS - SHEET 2
E3.1	FIRST FLOOR LIGHTING PLAN - SOUTH
E3.2	SECOND FLOOR LIGHTING PLAN - SOUTH
E4.1	FIRST FLOOR COMMUNICATIONS/FIRE ALARM/ACCESS CONTROL PLAN - SOUTH
E4.2	SECOND FLOOR COMMUNICATIONS/FIRE ALARM/ACCESS CONTROL PLAN - SOUTH
E4.3	COMMUNICATIONS DETAILS - SHEET 1
E4.4	COMMUNICATIONS DETAILS - SHEET 2
E4.5	COMMUNICATIONS DETAILS - SHEET 3
E4.6	COMMUNICATIONS DETAILS - SHEET 4
E4.7	COMMUNICATIONS RISER
E4.8	ACCESS CONTROL/CCTV RISERS
AV101	VIDEO CONFERENCE ROOMS A/V INFRASTRUCTURE FLOOR PLAN
AV102	ENTRY LOBBY & BREAKOUT A/V INFRASTRUCTURE FLOOR PLAN



**SPARLING**  
ELECTRICAL ENGINEERING,  
LIGHTING DESIGN &  
TECHNOLOGY CONSULTING

720 OLIVE WAY, SUITE 1100  
SEATTLE, WA 98101-1853  
FAX 206-667-0554  
PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**  
CAMPUS: PHASE ONE  
ANACORTES, WASHINGTON



DATE	REVISION

5/18/99 CONST. SET

DOUG BORS  
BILL VAN VLACK, PE  
ED SANTOS  
BVV



SYMBOLS AND ABBREVIATIONS

98060  
PROJECT NO.  
FEBRUARY 9, 1999  
DATE  
7651  
PROJECT NO.  
NTS  
SCALE

**E0.0**

J:\7651\DESIGN\CADD\E00.DWG MAY 18, 1999 - 12:42:52 PM BY: LES



ELECTRICAL ENGINEERING, LIGHTING DESIGN & TECHNOLOGY CONSULTING  
720 OLIVE WAY, SUITE 1100 - SEATTLE, WA 98101-1853  
FAX 206-667-0554 - PHONE 206-667-0555 - WWW.SPARKLING.COM

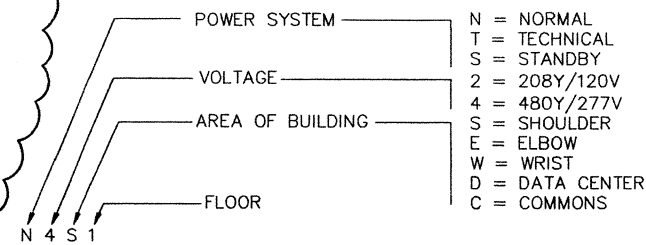
**FEEDER SCHEDULE**

FEEDER NUMBER	CB	AMPS	AMPS /COND	NO. OF RACEWAYS	RACEWAY SIZE	CONDUCTORS (PER RACEWAY)			NOTES
						PHASE	NEUTRAL	GROUND	
70 D	70	75	75	1	1-1/4"	3-#2	-	1#8	ALUMINUM CONDUCTORS
130 D	125	135	135	1	2"	3-#2/0	-	1#6	ALUMINUM CONDUCTORS
380 D	350	375	375	1	3-1/2"	3#700MCM	-	1#2	ALUMINUM CONDUCTORS
1680 Y	1600	1700	425	4	5"	3#900MCM	1#900MCM	-	ALUMINUM CONDUCTORS
230 N	225	230	230	1	3"	3#300	2#300	1#4	ALUMINUM CONDUCTORS
115 Y	100	120	120	1	2"	3#1/0	1#1/0	1#6	ALUMINUM CONDUCTORS
130 Y	125	135	135	1	2"	3#2/0	1#2/0	1#6	ALUMINUM CONDUCTORS
200 Y	200	205	205	1	3"	3#250MCM	1#250MCM	1#4	ALUMINUM CONDUCTORS
230 Y	225	230	230	1	3"	3#300MCM	1#300MCM	1#4	ALUMINUM CONDUCTORS
400 Y	400	410	205	2	3"	3#250MCM	1#250MCM	1#1	ALUMINUM CONDUCTORS
800 Y	800	820	205	4	3"	3#250MCM	1#250MCM	1#3/0	ALUMINUM CONDUCTORS

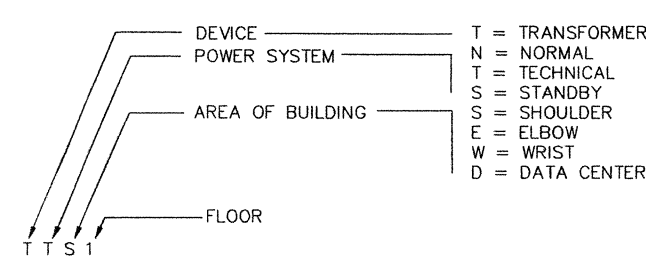
**SCHEDULE NOTES**

- CONDUIT SIZING BASED ON RIGID GALVANIZED STEEL CONDUIT, TYPE THW WIRE TAKING INTO ACCOUNT BOTH CONDUIT FILL AND JAMB RATIO
- AMPCAPITIES LISTED ARE BASED ON THE FOLLOWING TAKEN FROM TABLE 310-16
  - 60 DEG. RATING FOR TERMINATION TO DEVICES 100A OR LESS PER UL.
  - 75 DEG RATING FOR 3W AND 4W FEEDERS
  - 90 DEG RATING FOR 5W FEEDERS DE-RATED TO BOX WHERE PREDOMINANTLY HARMONIC CURRENTS ARE PRESENT. NEUTRALS #1/0 OR OVER ARE PARALLELED ON 5W FEEDERS
- INCREASE RACEWAY SIZE FOR OTHER TYPES OF RACEWAYS AND DIFFICULT OR LONG PULLS
- GROUND WIRE SIZE INCREASED FOR PARALLEL CONDUCTOR RUNS PER NEC TABLE 250-95

**PANEL KEY**



**TRANSFORMER KEY**

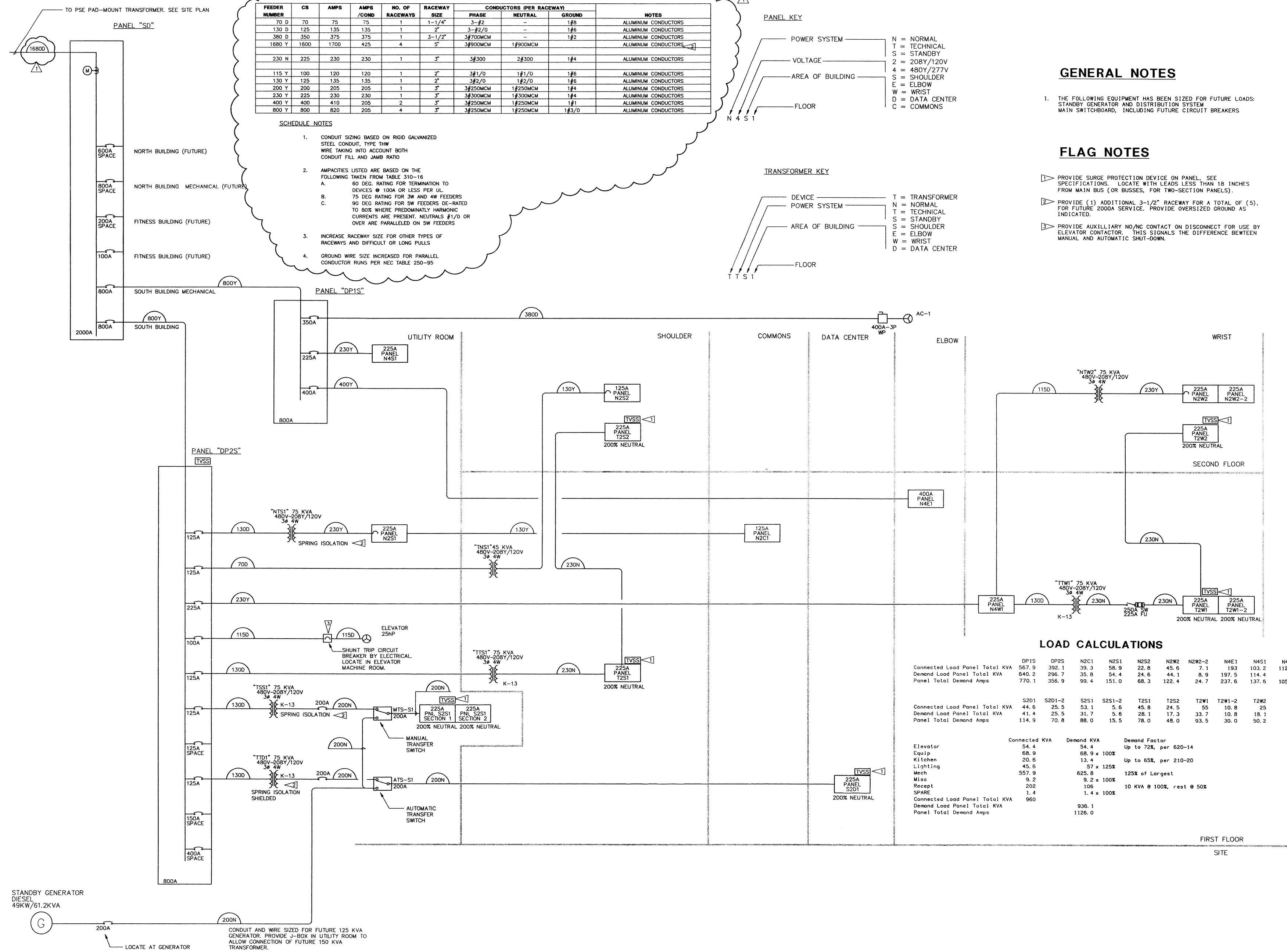


**GENERAL NOTES**

- THE FOLLOWING EQUIPMENT HAS BEEN SIZED FOR FUTURE LOADS: STANDBY GENERATOR AND DISTRIBUTION SYSTEM MAIN SWITCHBOARD, INCLUDING FUTURE CIRCUIT BREAKERS

**FLAG NOTES**

- PROVIDE SURGE PROTECTION DEVICE ON PANEL. SEE SPECIFICATIONS. LOCATE WITH LEADS LESS THAN 18 INCHES FROM MAIN BUS (OR BUSES, FOR TWO-SECTION PANELS).
- PROVIDE (1) ADDITIONAL 3-1/2" RACEWAY FOR A TOTAL OF (5), FOR FUTURE 2000A SERVICE. PROVIDE OVERSIZED GROUND AS INDICATED.
- PROVIDE AUXILIARY NO/NC CONTACT ON DISCONNECT FOR USE BY ELEVATOR CONTRACTOR. THIS SIGNALS THE DIFFERENCE BETWEEN MANUAL AND AUTOMATIC SHUT-DOWN.



**LOAD CALCULATIONS**

	DP1S	DP2S	N2C1	N2S1	N2S2	N2W2	N2W2-2	N4E1	N4S1	N4W1
Connected Load Panel Total KVA	567.9	392.1	39.3	58.9	22.8	45.6	7.1	193	103.2	112.8
Demand Load Panel Total KVA	640.2	296.7	35.8	54.4	24.6	44.1	8.9	197.5	114.4	88
Panel Total Demand Amps	770.1	356.9	99.4	151.0	68.3	122.4	24.7	237.6	137.6	105.9

	S2D1	S2D1-2	S2S1	S2S1-2	T2S1	T2S2	T2W1	T2W1-2	T2W2
Connected Load Panel Total KVA	44.6	25.5	53.1	5.6	45.8	24.5	55	10.8	25
Demand Load Panel Total KVA	41.4	25.5	31.7	9.6	28.1	17.3	33.7	10.8	18.1
Panel Total Demand Amps	114.9	70.8	88.0	15.5	78.0	48.0	93.5	30.0	50.2

	Connected KVA	Demand KVA	Demand Factor
Elevator	54.4	54.4	Up to 72%, per 620-14
Equip	68.9	68.9 x 100%	
Kitchen	20.6	13.4	Up to 65%, per 210-20
Lighting	45.5	57 x 125%	
Mech	557.9	625.8	125% of Largest
Misc	9.2	9.2 x 100%	
Recept	202	106	10 KVA @ 100%, rest @ 50%
SPARE	1.4	1.4 x 100%	
Connected Load Panel Total KVA	960	936.1	
Demand Load Panel Total KVA		1126.0	
Panel Total Demand Amps			

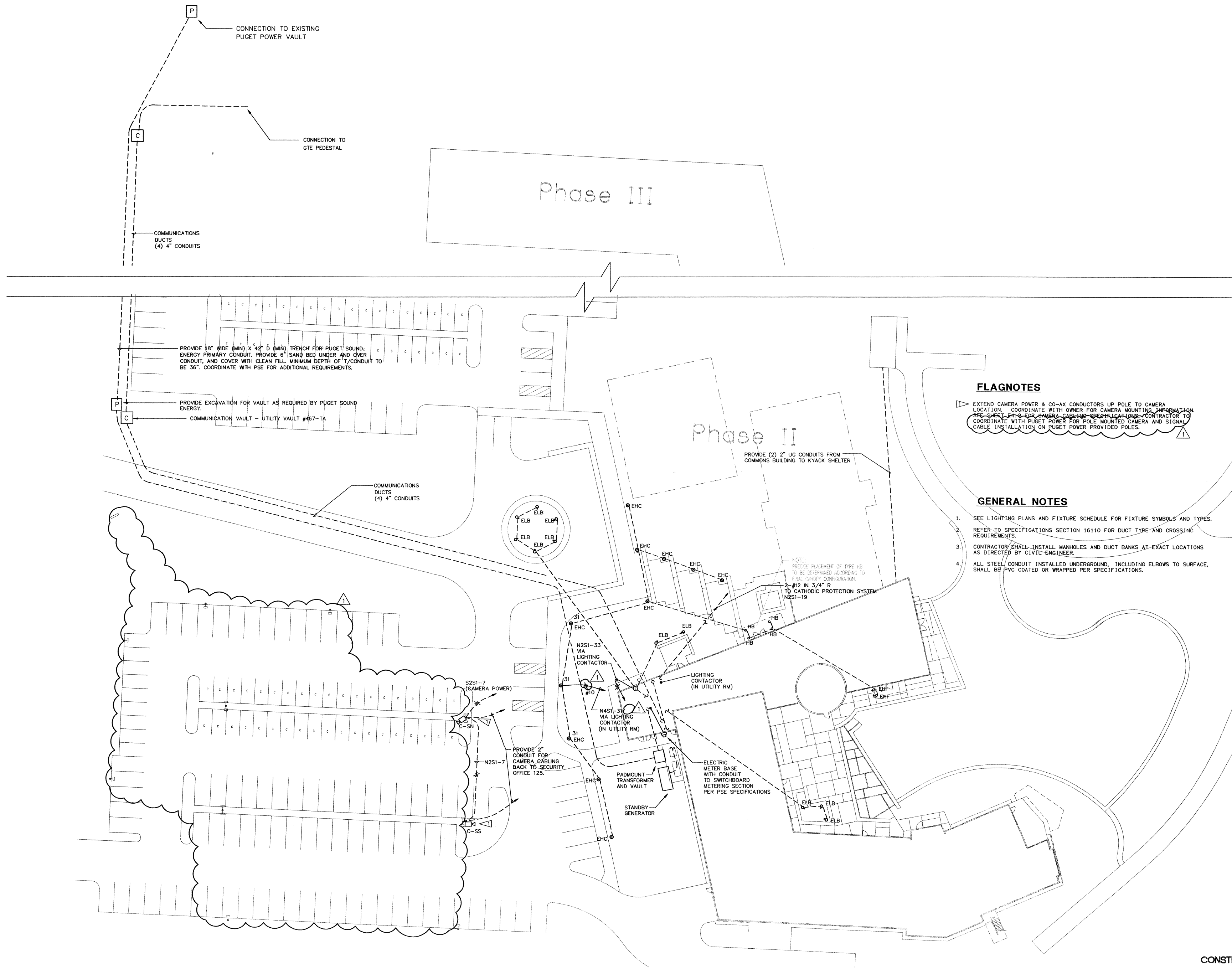
S:\0501\WELSH\SUN\CONSTR\BUILDING MAR 15, 1999 12:42:34 PM BT: LES

5/18/99 CONST. SET

DOUG BORS  
BILL VAN BLACK, PE  
ED SANTOS



**SITE POWER RISER DIAGRAM**  
98060  
ISSUE NO. 01  
DATE: FEBRUARY 9, 1999  
SHEET NO. 7651



**FLAGNOTES**

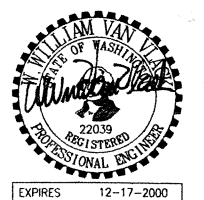
- ▶ EXTEND CAMERA POWER & CO-AX CONDUCTORS UP POLE TO CAMERA LOCATION. COORDINATE WITH OWNER FOR CAMERA MOUNTING INFORMATION. SEE SHEET #18 FOR CAMERA CABLING SPECIFICATIONS. CONTRACTOR TO COORDINATE WITH PUGET POWER FOR POLE MOUNTED CAMERA AND SIGNAL CABLE INSTALLATION ON PUGET POWER PROVIDED POLES.

**GENERAL NOTES**

1. SEE LIGHTING PLANS AND FIXTURE SCHEDULE FOR FIXTURE SYMBOLS AND TYPES. REFER TO SPECIFICATIONS SECTION 16110 FOR DUCT TYPE AND CROSSING REQUIREMENTS.
3. CONTRACTOR SHALL INSTALL MANHOLES AND DUCT BANKS AT EXACT LOCATIONS AS DIRECTED BY CIVIL ENGINEER.
4. ALL STEEL CONDUIT INSTALLED UNDERGROUND, INCLUDING ELBOWS TO SURFACE, SHALL BE PVC COATED OR WRAPPED PER SPECIFICATIONS.

5/18/99 CONST. SET

DOUG BORS  
BILL VAN VLACK, PE  
ED SANTOS  
BVV



**ELECTRICAL AND COMMUNICATIONS SITE PLAN**

98060  
DATE PROJECT FEBRUARY 9, 1999  
SHEET NO. 7651  
SCALE 1"=20'

**E1.0**

CONSTRUCTION SET



**LEGEND**

- FT = TECHNICAL POWER FEED POINT AND EXTENT OF BASE POWER DISTRIBUTION FOR MODULAR FURNITURE SEE SECTION CALLOUTS & REFER TO SHEET E2.7
- FA = ADMINISTRATIVE POWER FEED POINT AND EXTENT OF BASE POWER DISTRIBUTION FOR MODULAR FURNITURE
- ⊗ = TEST RACK (PROVISIONED), SEE DETAILS ON SHEET E2.7
- ⊙ = TEST RACK (FUTURE)
- ⊕ = DEDICATED RECEPTACLE
- ⊖ = STANDBY POWER DEDICATED RECEPTACLE
- ⊙ = JANITOR RECEPTACLE
- ⊕ ⊖ = BOLLARD WITH POWER AND COMMUNICATIONS

**GENERAL NOTES**

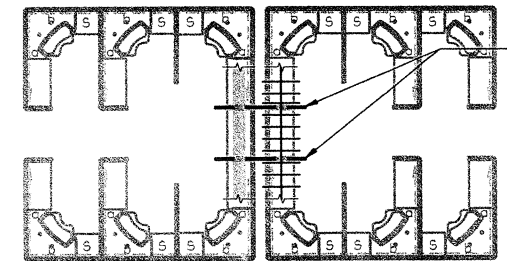
1. ALL CONDUIT HOMERUNS FOR A/V, TELECOMM, LIGHTING AND POWER SYSTEMS SHALL BE RUN IN THE UNISTRUT/CONDUIT ASSEMBLY AS NOTED AND SHOWN ON EACH FLOOR DRAWING.
2. PRIOR TO PERFORMING ROUGH-IN INSTALLATION WORK COORDINATE DEVICE LOCATIONS TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.

**FLAG NOTES**

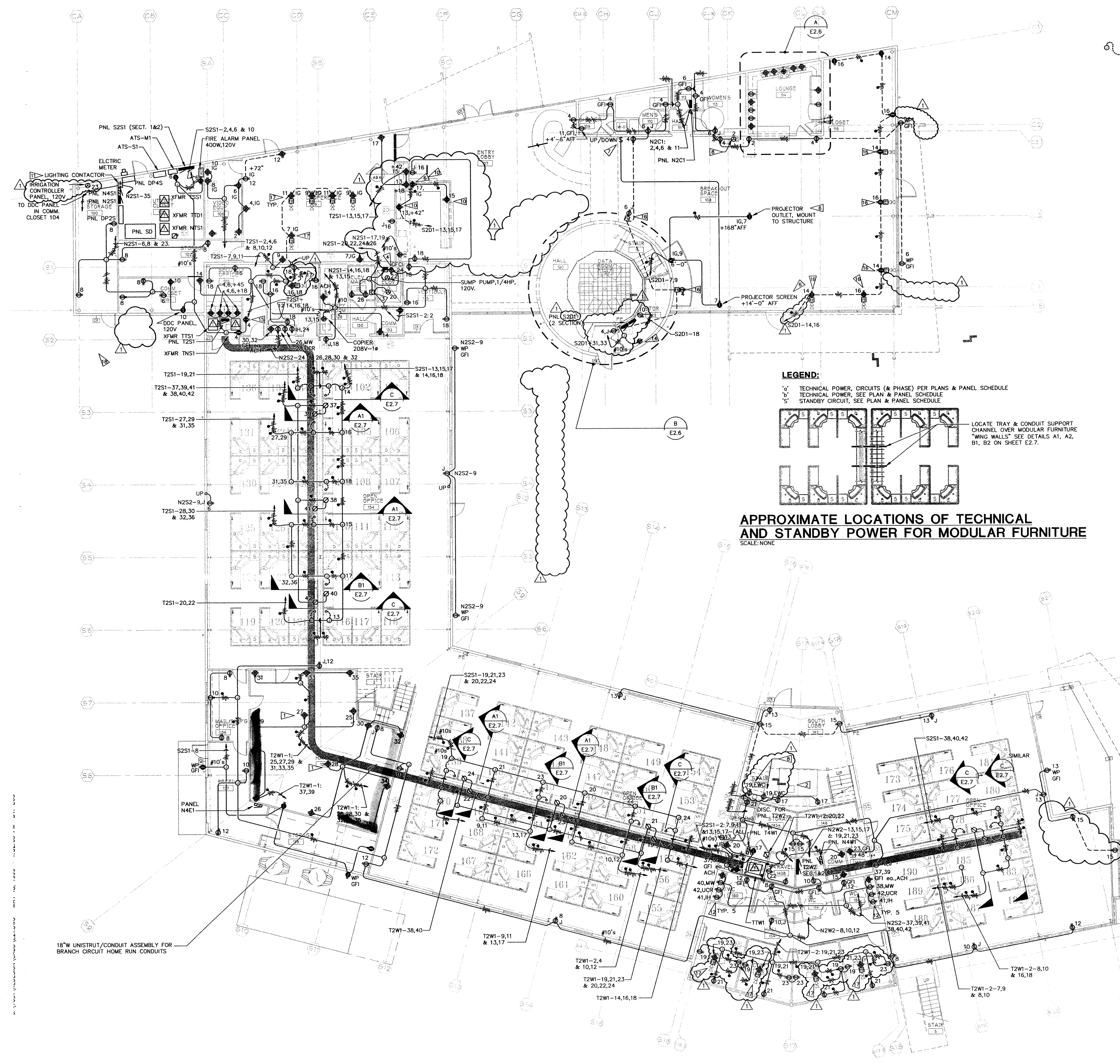
1. PROVIDE CORD DROP RECEPTACLE SEE DETAIL 1, SHEET E2.6.
2. PROVIDE (2)-3/4" CONDUITS FROM ELECT. RM. 147 TO FUTURE ELEVATOR PIT FOR LIGHT, OUTLET, AND SUMP PUMP. SEAL WATER TIGHT TO ALLOW USE OF PIT FOR PLANTER.
3. PROVIDE ELEVATOR POWER AND LIGHTING CONTROL 15A ENCLOSED SHUNT TRIP CIRCUIT BREAKERS.
4. PROVIDE GROUNDED OUTLET IN ELEVATOR PIT.
5. REFER TO ARCHITECTURAL PLAN DRAWING FOR EXACT LOCATION OF FLOOR BOXES.
6. COORDINATE LOCATION PER A/V REQUIREMENTS.
7. PROVIDE UP/DOWN/CENTER-OFF SWITCH FOR CONTROL OF SCREEN. LOCATE ADJACENT TO LIGHTING CONTROL SWITCHES SERVING BREAKOUT SPACE 10B.
8. E.W.C.-120V, 500WATTS. COORDINATE WITH MECHANICAL PRIOR TO ROUGH-IN INSTALLATION.
9. PROVIDE "WET LOCATION" WALL PLATES FOR EQUIPMENT IF REQUIRED TO BE "CORD AND PLUG" AND NOT "DIRECT WIRE" CONNECTION.
10. COORDINATE A/V, TELECOMM., AND POWER CONDUIT STUB-UPS AND DEVICES LOCATIONS IN CASEWORK PER ARCHITECT'S DIRECTION. ROUTE CONDUIT WIRING CONCEALED IN CASEWORK.
11. CONNECT CONTACTOR COIL TO N.O. DRY CONTACTS IN DDC.
12. VERIFY EXACT MOUNTING HEIGHT AND LOCATION OF DEVICE(S) SHOWN W/ARCHITECT AND/OR ARCH. DRAWINGS PRIOR TO PERFORMING ROUGH-IN INSTALLATION.
13. PROVIDE GFCI DOWNSTREAM PROTECTION TO DEVICES WIRED ON SAME CIRCUITS DOWNSTREAM AND ONLY WITHIN SAME SPACE.
14. PROVIDE NEMA L6-30 TYPE RECEPTACLE IN 4" SQUARE BOX WITH 42" LONG FLEXIBLE METALLIC CONNECT TO WALL MOUNTED JUNCTION BOX.
15. SECURITY CONTROL PANEL 120V, 500W. INSTALL RECEPTACLES PER MANUFACTURER'S REQUIREMENTS.
16. FLUSH FLOOR BOX TYPE "A", INSTALL AT EXACT LOCATION PER ARCHITECTURAL DRAWINGS.
17. FLUSH FLOOR BOX PER SPECIFICATION SECTION 16601, INSTALL AT EXACT LOCATION PER ARCHITECTURAL DRAWINGS.
18. COORDINATE WITH LANDSCAPE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION FOR CONDUIT PROVISIONS.

**LEGEND:**

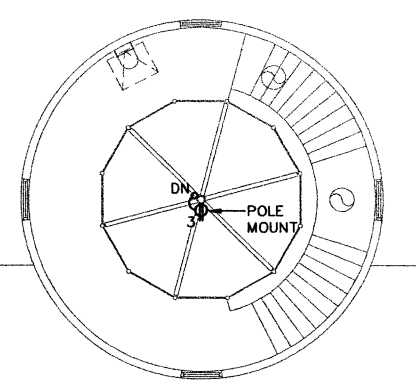
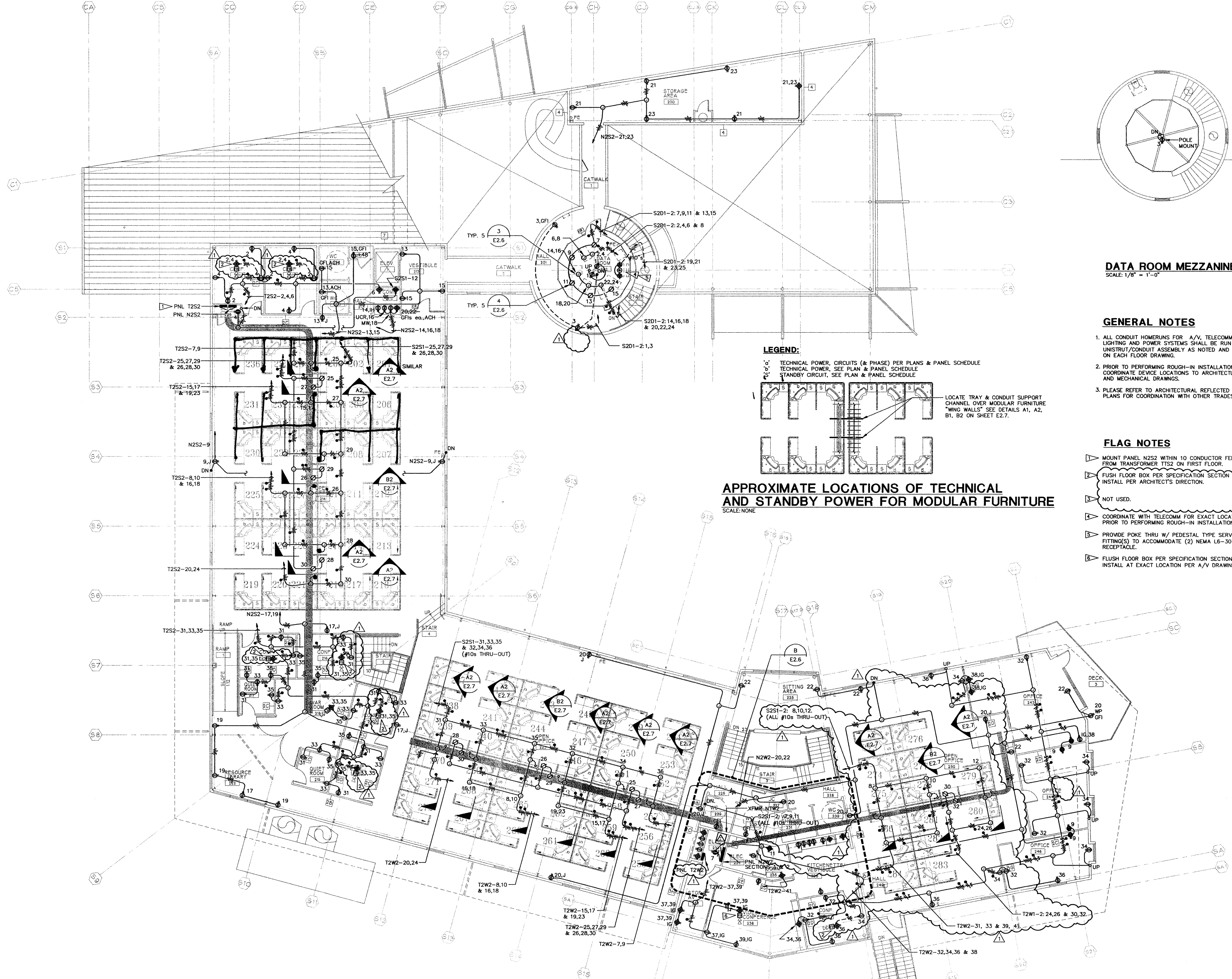
- 'a' TECHNICAL POWER, CIRCUITS (& PHASE) PER PLANS & PANEL SCHEDULE
- 'b' TECHNICAL POWER, SEE PLAN & PANEL SCHEDULE
- 's' STANDBY CIRCUIT, SEE PLAN & PANEL SCHEDULE



**APPROXIMATE LOCATIONS OF TECHNICAL AND STANDBY POWER FOR MODULAR FURNITURE**  
SCALE: NONE



18" UNISTRUT/CONDUIT ASSEMBLY FOR BRANCH CIRCUIT HOME RUN CONDUITS



**DATA ROOM MEZZANINE**  
SCALE: 1/8" = 1'-0"

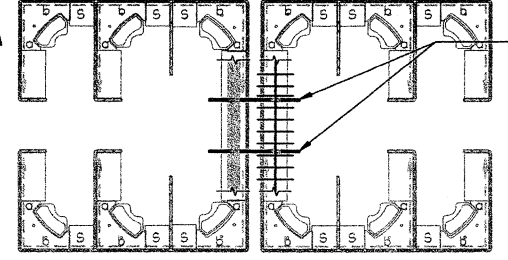
**GENERAL NOTES**

1. ALL CONDUIT HOMERUNS FOR A/V, TELECOMM, LIGHTING AND POWER SYSTEMS SHALL BE RUN IN THE UNISTRUT/CONDUIT ASSEMBLY AS NOTED AND SHOWN ON EACH FLOOR DRAWING.
2. PRIOR TO PERFORMING ROUGH-IN INSTALLATION WORK COORDINATE DEVICE LOCATIONS TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.

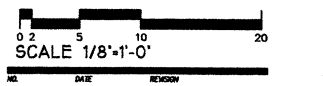
**FLAG NOTES**

- ▲ MOUNT PANEL N2S2 WITHIN 10 CONDUCTOR FEET FROM TRANSFORMER T2S2 ON FIRST FLOOR.
- ▲ FLUSH FLOOR BOX PER SPECIFICATION SECTION 16601. INSTALL PER ARCHITECT'S DIRECTION.
- ▲ NOT USED.
- ▲ COORDINATE WITH TELECOMM FOR EXACT LOCATION PRIOR TO PERFORMING ROUGH-IN INSTALLATION.
- ▲ PROVIDE POKE THRU W/ PEDESTAL TYPE SERVICE FITTING(S) TO ACCOMMODATE (2) NEMA L6-30 TYPE RECEPTACLE.
- ▲ FLUSH FLOOR BOX PER SPECIFICATION SECTION 16601. INSTALL AT EXACT LOCATION PER A/V DRAWINGS.

**LEGEND:**  
 'a' TECHNICAL POWER, CIRCUITS (& PHASE) PER PLANS & PANEL SCHEDULE  
 'b' TECHNICAL POWER, SEE PLAN & PANEL SCHEDULE  
 'c' STANDBY CIRCUIT, SEE PLAN & PANEL SCHEDULE



**APPROXIMATE LOCATIONS OF TECHNICAL AND STANDBY POWER FOR MODULAR FURNITURE**  
SCALE: NONE



5/18/99 CONST. SET

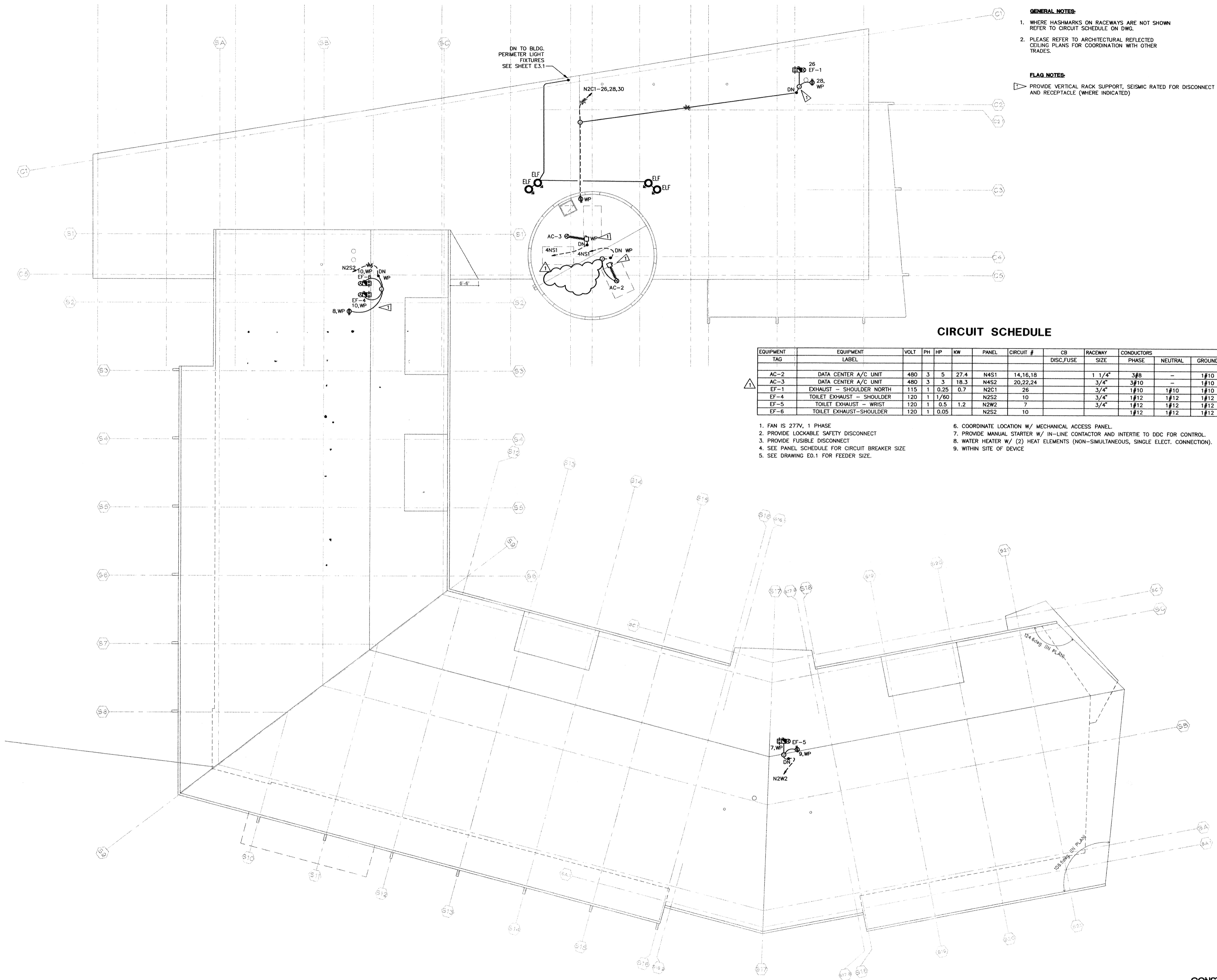
DOUG BORS  
 BILL VAN VLACK, PE  
 ED SANTOS



**POWER PLAN**  
**SECOND FLOOR**

98060  
 DATE PLOTTED IN  
 FEBRUARY 9, 1999  
 SHEET NO.  
 7651  
 PLOT SCALE  
 1/8" = 1'-0"

**E2.2**



- GENERAL NOTES:**
- WHERE HASHMARKS ON RACEWAYS ARE NOT SHOWN REFER TO CIRCUIT SCHEDULE ON DWG.
  - PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.
- FLAG NOTES:**
- PROVIDE VERTICAL RACK SUPPORT, SEISMIC RATED FOR DISCONNECT AND RECEPTACLE (WHERE INDICATED)

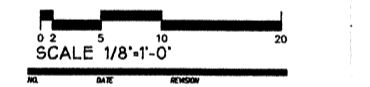
**CIRCUIT SCHEDULE**

EQUIPMENT TAG	EQUIPMENT LABEL	VOLT	PH	HP	KW	PANEL	CIRCUIT #	CB DISC, FUSE	RACEWAY SIZE	CONDUCTORS PHASE	NEUTRAL	GROUND	NOTES	E DWG
AC-2	DATA CENTER A/C UNIT	480	3	5	27.4	N4S1	14,16,18		1 1/4"	3#8	-	1#10	2,4	E2.3
AC-3	DATA CENTER A/C UNIT	480	3	3	18.3	N4S2	20,22,24		3/4"	3#10	-	1#10	2,4	E2.3
EF-1	EXHAUST - SHOULDER NORTH	115	1	0.25	0.7	N2C1	26		3/4"	1#10	1#10	1#10	4,7,9	E2.3
EF-4	TOILET EXHAUST - SHOULDER	120	1	1/60		N2S2	10		3/4"	1#12	1#12	1#12	4,7,9	E2.3
EF-5	TOILET EXHAUST - WRIST	120	1	0.5	1.2	N2W2	7		3/4"	1#12	1#12	1#12	4,7,9	E2.3
EF-6	TOILET EXHAUST-SHOULDER	120	1	0.05		N2S2	10			1#12	1#12	1#12	4,7,9	E2.3

- FAN IS 277V, 1 PHASE
- PROVIDE LOCKABLE SAFETY DISCONNECT
- PROVIDE FUSIBLE DISCONNECT
- SEE PANEL SCHEDULE FOR CIRCUIT BREAKER SIZE
- SEE DRAWING ED.1 FOR FEEDER SIZE.
- COORDINATE LOCATION W/ MECHANICAL ACCESS PANEL.
- PROVIDE MANUAL STARTER W/ IN-LINE CONTACTOR AND INTERTIE TO DDC FOR CONTROL.
- WATER HEATER W/ (2) HEAT ELEMENTS (NON-SIMULTANEOUS, SINGLE ELECT. CONNECTION).
- WITHIN SITE OF DEVICE



**HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**



5/18/99 CONST. SET

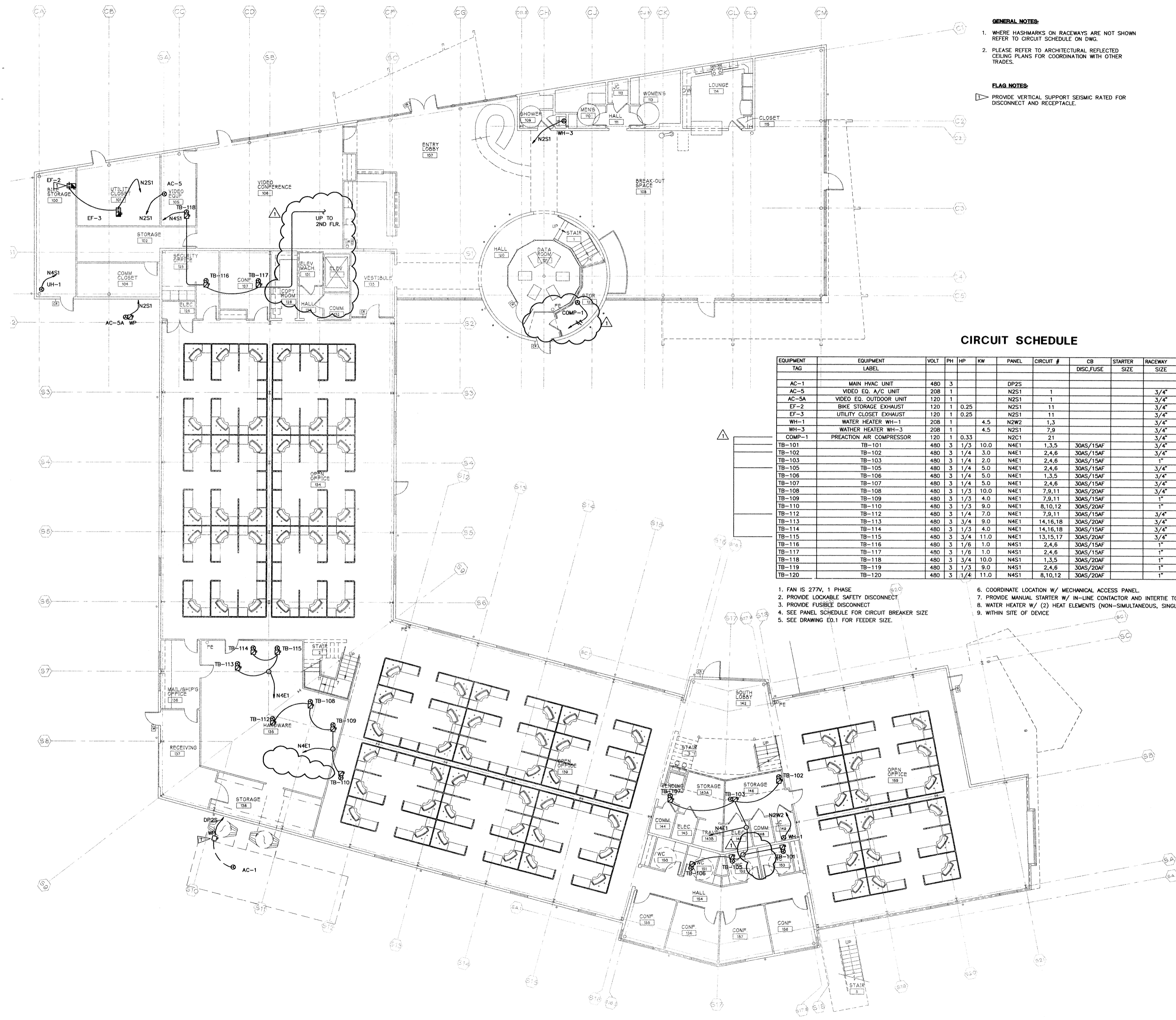
DOUG BORS  
 BILL VAN VLACK, PE  
 ED SANTOS



**POWER PLAN**  
**ROOF**

98060  
 FEBRUARY 9, 1999  
 7651  
 1/8" = 1'-0"

**E2.3**



- GENERAL NOTES:**
- WHERE HASHMARKS ON RACEWAYS ARE NOT SHOWN REFER TO CIRCUIT SCHEDULE ON DWG.
  - PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.
- FLAG NOTES:**
- PROVIDE VERTICAL SUPPORT SEISMIC RATED FOR DISCONNECT AND RECEPTACLE.

**CIRCUIT SCHEDULE**

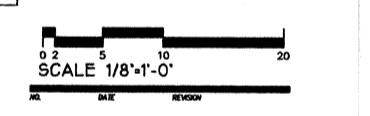
EQUIPMENT TAG	EQUIPMENT LABEL	VOLT	PH	HP	KW	PANEL	CIRCUIT #	CB	STARTER SIZE	RACEWAY SIZE	CONDUCTORS PHASE	NEUTRAL	GROUND	NOTES
AC-1	MAIN HVAC UNIT	480	3			DP2S								5
AC-5	VIDEO EQ. A/C UNIT	208	1			N2S1	1			3/4"	2#12	1#12	1#12	
AC-5A	VIDEO EQ. OUTDOOR UNIT	120	1			N2S1	1			3/4"	1#12		1#12	
EF-2	BIKE STORAGE EXHAUST	120	1	0.25		N2S1	11			3/4"	1#12	1#12	1#12	7.9
EF-3	UTILITY CLOSET EXHAUST	120	1	0.25		N2S1	11			3/4"	2#10		1#12	7.9
WH-1	WATER HEATER WH-1	208	1		4.5	N2W2	1.3			3/4"	2#10		1#10	8
WH-3	WATER HEATER WH-3	208	1		4.5	N2S1	7.9			3/4"	2#10		1#10	
COMP-1	PREACTION AIR COMPRESSOR	120	1	0.33		N2C1	21			3/4"	1#12	1#12	1#12	2.9
TB-101	TB-101	480	3	1/3	10.0	N4E1	1.3,5	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-102	TB-102	480	3	1/4	3.0	N4E1	2.4,6	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-103	TB-103	480	3	1/4	2.0	N4E1	2.4,6	30AS/15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-105	TB-105	480	3	1/4	5.0	N4E1	2.4,6	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-106	TB-106	480	3	1/4	5.0	N4E1	1.3,5	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-107	TB-107	480	3	1/4	5.0	N4E1	2.4,6	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-108	TB-108	480	3	1/3	10.0	N4E1	7.9,11	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-109	TB-109	480	3	1/3	4.0	N4E1	7.9,11	30AS/15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-110	TB-110	480	3	1/3	9.0	N4E1	8,10,12	30AS/20AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-112	TB-112	480	3	1/4	7.0	N4E1	7.9,11	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-113	TB-113	480	3	3/4	9.0	N4E1	14,16,18	30AS/20AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-114	TB-114	480	3	1/3	4.0	N4E1	14,16,18	30AS/15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-115	TB-115	480	3	3/4	11.0	N4E1	13,15,17	30AS/20AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-116	TB-116	480	3	1/6	1.0	N4S1	2.4,6	30AS/15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-117	TB-117	480	3	1/6	1.0	N4S1	2.4,6	30AS/15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-118	TB-118	480	3	3/4	10.0	N4S1	1.3,5	30AS/20AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-119	TB-119	480	3	1/3	9.0	N4S1	2.4,6	30AS/20AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-120	TB-120	480	3	1/4	11.0	N4S1	8,10,12	30AS/20AF		1"	3#10	1-#10	1#10	1,3,6,9

- FAN IS 277V, 1 PHASE
- PROVIDE LOCKABLE SAFETY DISCONNECT.
- PROVIDE FUSIBLE DISCONNECT
- SEE PANEL SCHEDULE FOR CIRCUIT BREAKER SIZE
- SEE DRAWING E0.1 FOR FEEDER SIZE.
- COORDINATE LOCATION W/ MECHANICAL ACCESS PANEL.
- PROVIDE MANUAL STARTER W/ IN-LINE CONTACTOR AND INTERTIE TO DDC FOR CONTROL.
- WATER HEATER W/ (2) HEAT ELEMENTS (NON-SIMULTANEOUS, SINGLE ELECT. CONNECTION).
- WITHIN SITE OF DEVICE

**M MITHUN PARTNERS**  
 ARCHITECTURE PLANNING & INTERIOR DESIGN  
 414 OLIVE WAY SUITE 500  
 SEATTLE WA 98101  
 (206) 432-3344 FAX (206) 432-7000

**SPARLING**  
 ELECTRICAL ENGINEERING,  
 LIGHTING DESIGN &  
 TECHNOLOGY CONSULTING  
 720 OLIVE WAY SUITE 1100  
 SEATTLE, WA 98101-1853  
 FAX 206-667-0554  
 PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON



5/18/99 CONST. SET

DOUG BORS  
 PROJECT MANAGER  
 BILL VAN VLACK, PE  
 PROJECT ARCHITECT  
 ED SANTOS  
 PROJECT DESIGNER

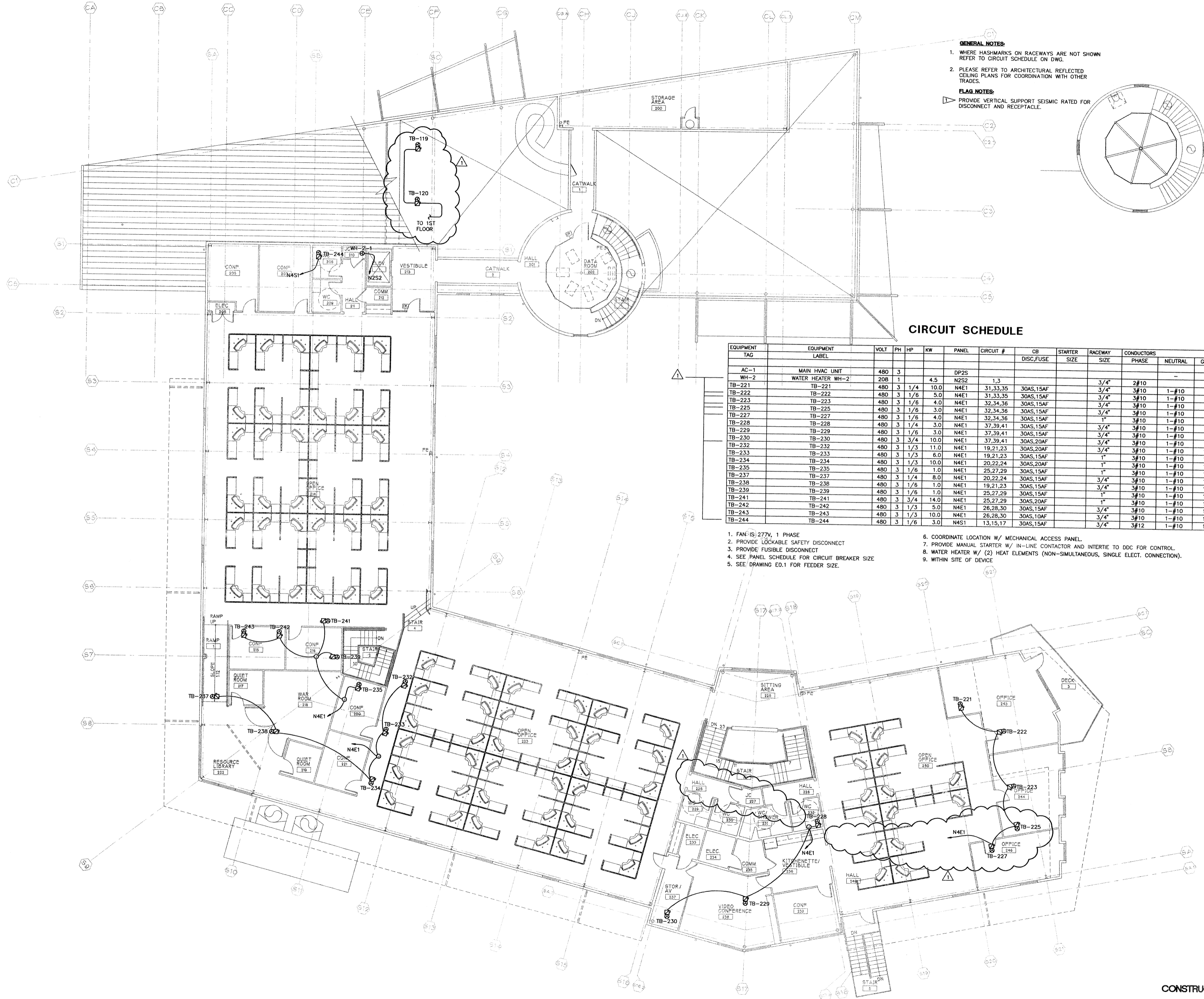


**MECHANICAL POWER PLAN FIRST FLOOR**

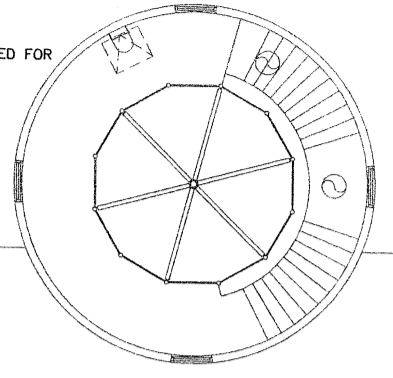
98060  
 SHEET PROJECT NO.  
 FEBRUARY 9, 1999  
 7651  
 SCALE PROJECT NO.  
 1/8" = 1'-0"

**E2.4**

CONSTRUCTION SET



- GENERAL NOTES:**
- WHERE HASHMARKS ON RACEWAYS ARE NOT SHOWN REFER TO CIRCUIT SCHEDULE ON DWG.
  - PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.
- FLAG NOTES:**
- PROVIDE VERTICAL SUPPORT SEISMIC RATED FOR DISCONNECT AND RECEPTACLE.



**CIRCUIT SCHEDULE**

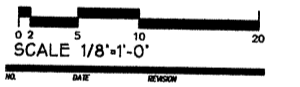
EQUIPMENT TAG	EQUIPMENT LABEL	VOLT	PH	HP	KW	PANEL	CIRCUIT #	CB	STARTER SIZE	RACEWAY SIZE	CONDUCTORS	NEUTRAL	GROUND	NOTES
AC-1	MAIN HVAC UNIT	480	3			DP2S								5
WH-2	WATER HEATER WH-2	208	1		4.5	N2S2	1,3			3/4"	2#10			
TB-221	TB-221	480	3	1/4	10.0	N4E1	31,33,35	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-222	TB-222	480	3	1/6	5.0	N4E1	31,33,35	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-223	TB-223	480	3	1/6	4.0	N4E1	32,34,36	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-225	TB-225	480	3	1/6	3.0	N4E1	32,34,36	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-227	TB-227	480	3	1/6	4.0	N4E1	32,34,36	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-228	TB-228	480	3	1/4	3.0	N4E1	37,39,41	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-229	TB-229	480	3	1/6	3.0	N4E1	37,39,41	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-230	TB-230	480	3	3/4	10.0	N4E1	37,39,41	30AS,20AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-232	TB-232	480	3	1/3	11.0	N4E1	19,21,23	30AS,20AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-233	TB-233	480	3	1/3	6.0	N4E1	19,21,23	30AS,15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-234	TB-234	480	3	1/3	10.0	N4E1	20,22,24	30AS,20AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-235	TB-235	480	3	1/6	1.0	N4E1	25,27,29	30AS,15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-237	TB-237	480	3	1/4	8.0	N4E1	20,22,24	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-238	TB-238	480	3	1/6	1.0	N4E1	19,21,23	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-239	TB-239	480	3	1/6	1.0	N4E1	25,27,29	30AS,15AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-241	TB-241	480	3	3/4	14.0	N4E1	25,27,29	30AS,20AF		1"	3#10	1-#10	1#10	1,3,6,9
TB-242	TB-242	480	3	1/3	5.0	N4E1	26,28,30	30AS,15AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-243	TB-243	480	3	1/3	10.0	N4E1	26,28,30	30AS,10AF		3/4"	3#10	1-#10	1#10	1,3,6,9
TB-244	TB-244	480	3	1/6	3.0	N4S1	13,15,17	30AS,15AF		3/4"	3#12	1-#10	1#12	1,3,6,9

- FAN IS 277V, 1 PHASE
- PROVIDE LOCKABLE SAFETY DISCONNECT
- PROVIDE FUSIBLE DISCONNECT
- SEE PANEL SCHEDULE FOR CIRCUIT BREAKER SIZE
- SEE DRAWING E0.1 FOR FEEDER SIZE
- COORDINATE LOCATION W/ MECHANICAL ACCESS PANEL.
- PROVIDE MANUAL STARTER W/ IN-LINE CONTACTOR AND INTERIE TO DDC FOR CONTROL.
- WATER HEATER W/ (2) HEAT ELEMENTS (NON-SIMULTANEOUS, SINGLE ELECT. CONNECTION).
- WITHIN SITE OF DEVICE

**MITHUN PARTNERS**  
 ARCHITECTURE  
 PLANNING &  
 INTERIOR DESIGN

**SPARLING**  
 ELECTRICAL ENGINEERING,  
 LIGHTING DESIGN &  
 TECHNOLOGY CONSULTING  
 720 OLIVE WAY - SUITE 1100  
 SEATTLE, WA 98101-1859  
 FAX 206-667-0554  
 PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON



5/18/99 CONST. SET

DOUG BORS  
 BILL VAN VLACK, PE  
 ED SANTOS

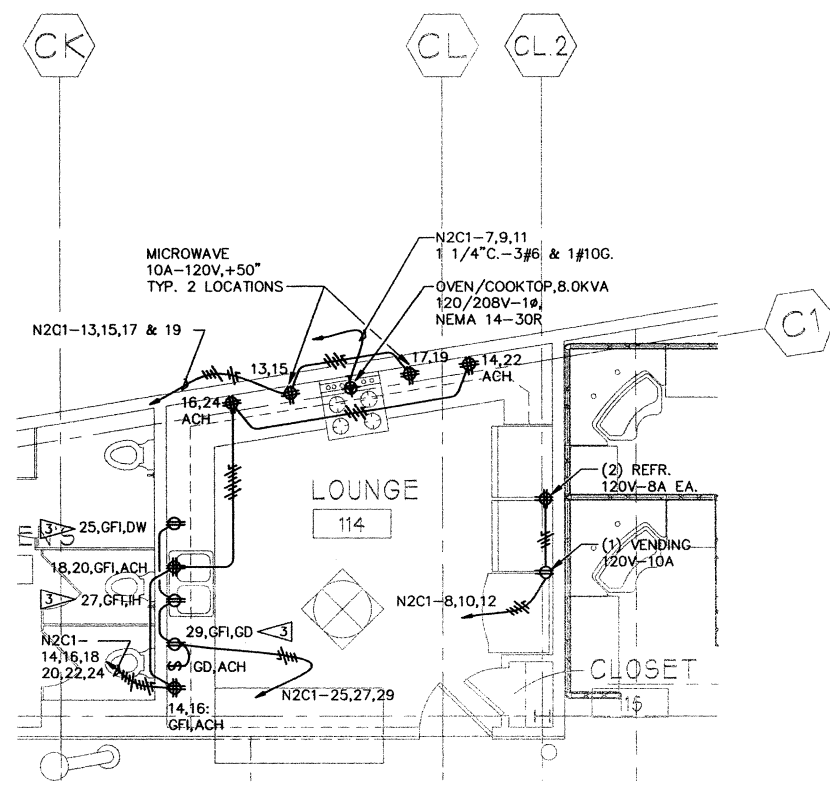


MECHANICAL  
 POWER PLAN  
 SECOND FLOOR

98060  
 FEBRUARY 9, 1999  
 7651  
 1/8\"/>

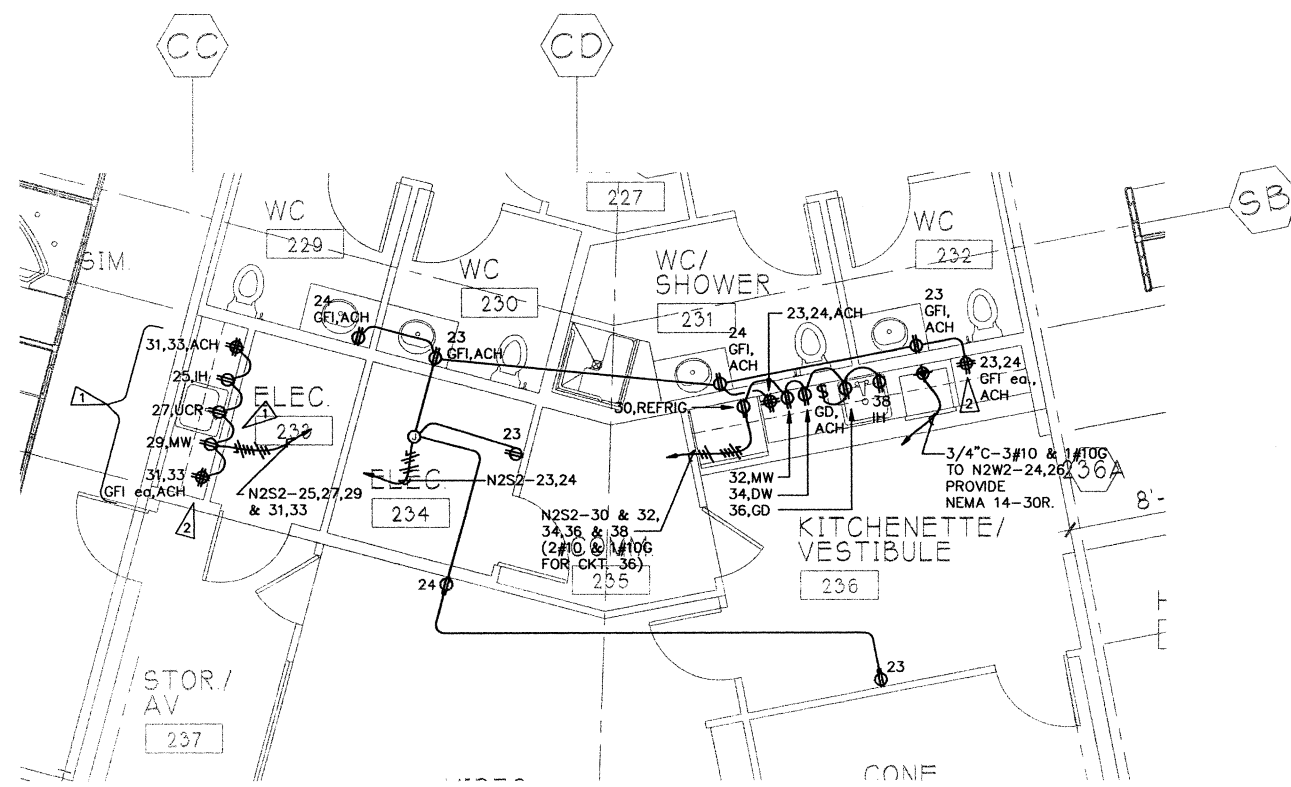
**E2.5**

CONSTRUCTION SET



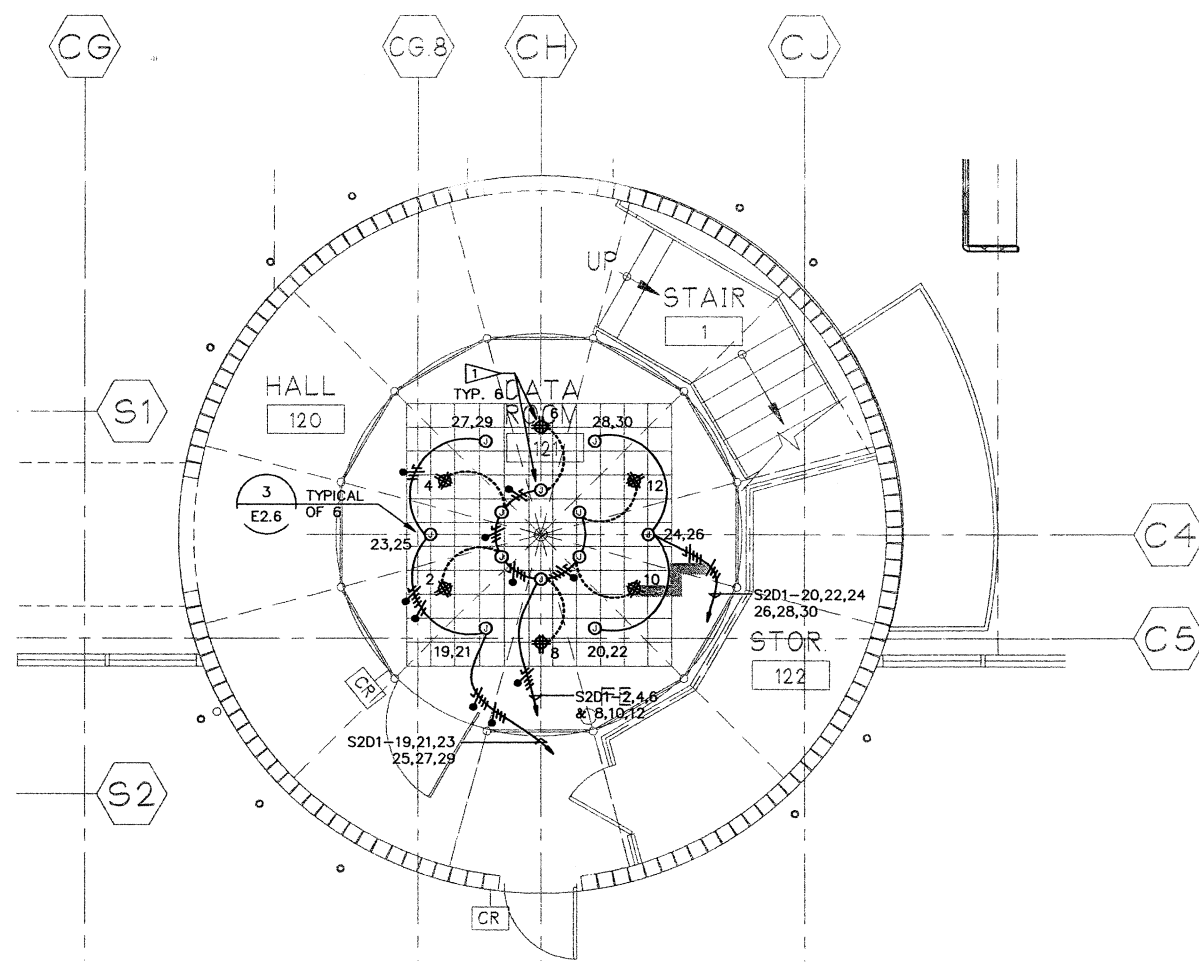
**A ENLARGED PARTIAL PLAN - LOUNGE 114**  
 E2.1 SCALE: 1/4" = 1'-0"

- FLAG NOTES:**
- VERIFY EXACT MOUNTING HEIGHT AND LOCATION OF DEVICE(S) SHOWN W/ARCHITECT AND/OR ARCH. DRAWINGS PRIOR TO PERFORMING ROUGH-IN INSTALLATION.
  - PROVIDE GFCI DOWNSTREAM PROTECTION TO DEVICES WIRED ON SAME CIRCUIT AND ONLY WITHIN SAME SPACE DOWNSTREAM.
  - PROVIDE "WET LOCATION" WALL COVER PLATES FOR RECEPTACLE IF REQUIRED TO BE "CORD AND PLUG" AND NOT "DIRECT WIRE" CONNECTION.



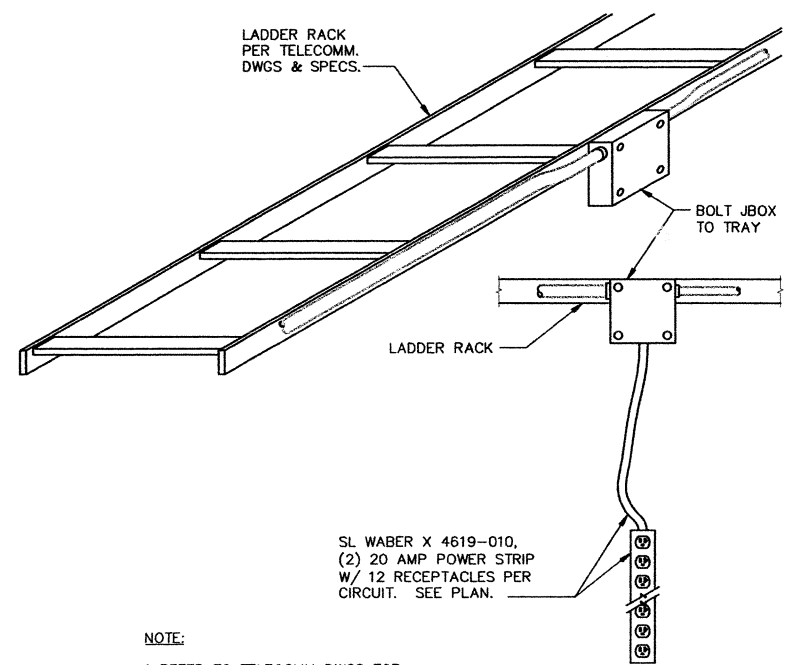
**C ENLARGED PARTIAL PLAN - COFFEE STATION (SOUTH) AND KITCHENETTE/VESTIBULE - 236**  
 E2.2 SCALE: 1/4" = 1'-0"

- GENERAL NOTE:**
- PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.



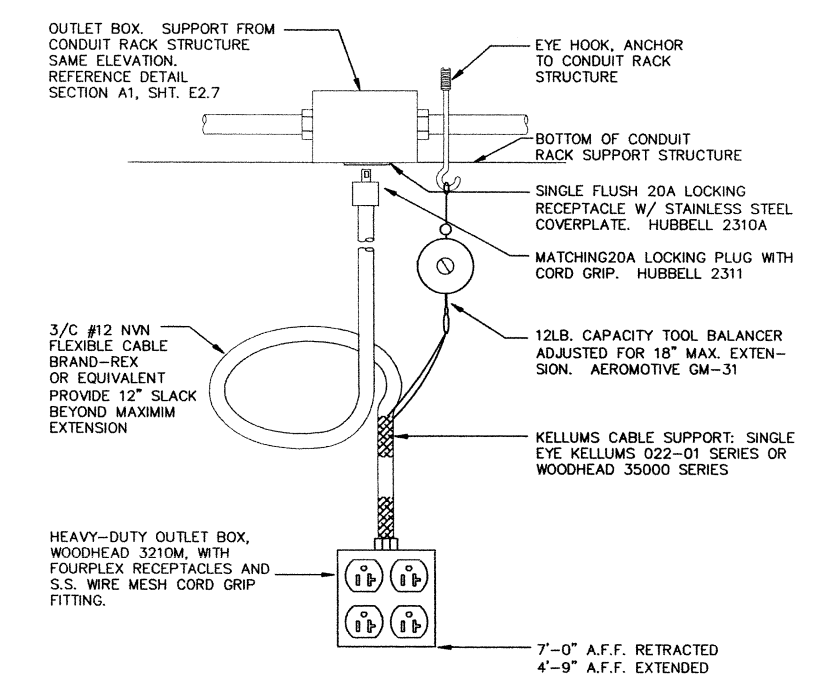
**B ENLARGED PARTIAL PLAN - DATA ROOM 121**  
 E2.1 SCALE: 1/4" = 1'-0"

- FLAG NOTES:**
- PROVIDE NEMA 5-20 TYPE RECEPTACLES IN 4" SQUARE BOX WITH 42" LONG FLEXIBLE METALLIC CONDUIT AND CONNECT TO JUNCTION BOX AND RACEWAY SYSTEM UNDER RAISED FLOOR.
  - NOTE: COORDINATE WITH ARCHITECT/OWNER EXACT LOCATION OF JUNCTION BOX PRIOR TO ROUGH-IN INSTALLATION.

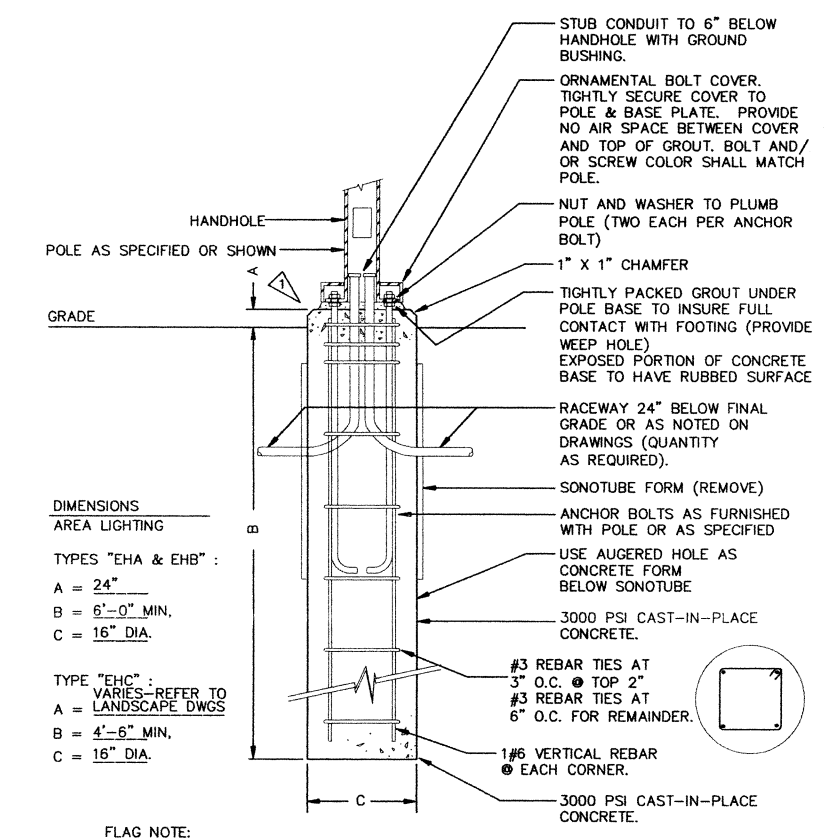


- NOTE:**
- REFER TO TELECOMM DWGS FOR LADDER RACK LAYOUT.

**DETAIL 3**  
 SCALE: NOT TO SCALE E2.6

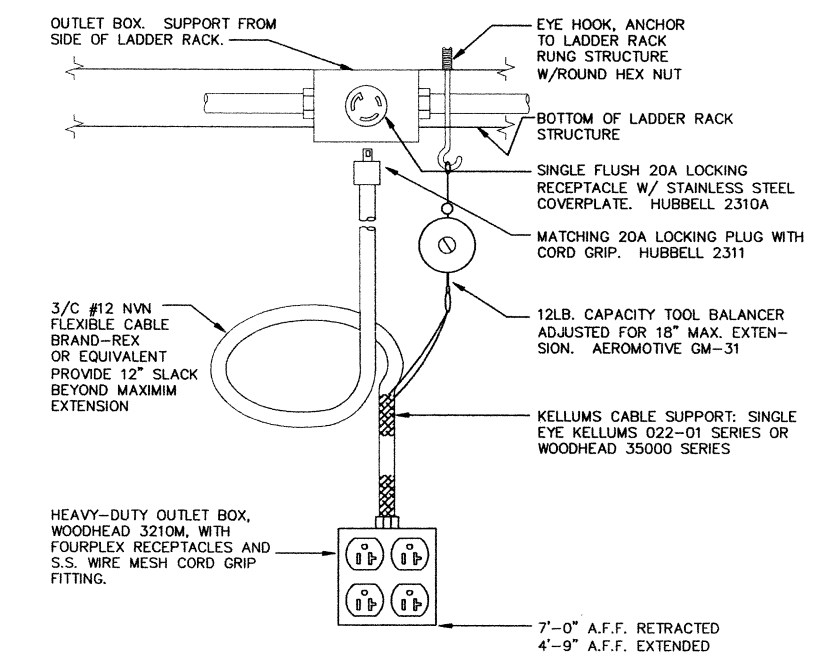


**1 TYPE 1 CORD DROP DETAIL**  
 E2.1/E2.6 SCALE: NOT TO SCALE

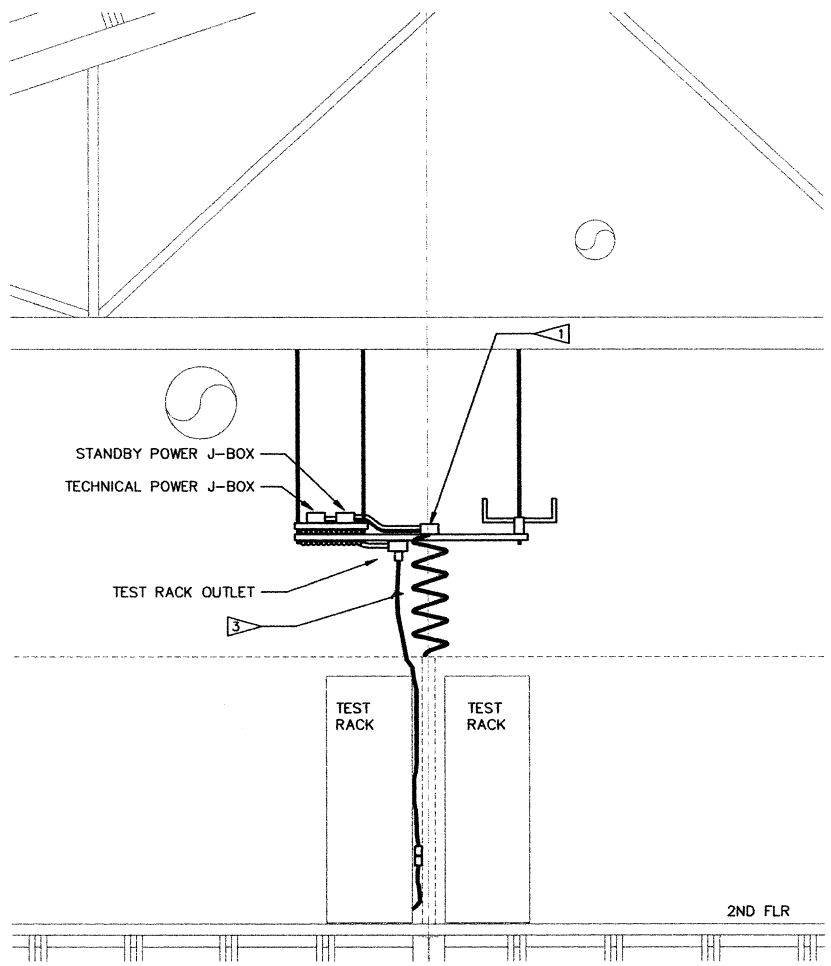


- FLAG NOTE:**
- PAINT EXPOSED GROUT AND CONCRETE BASE TO 6" BELOW GRADE. COLOR AS SELECTED BY ARCH.

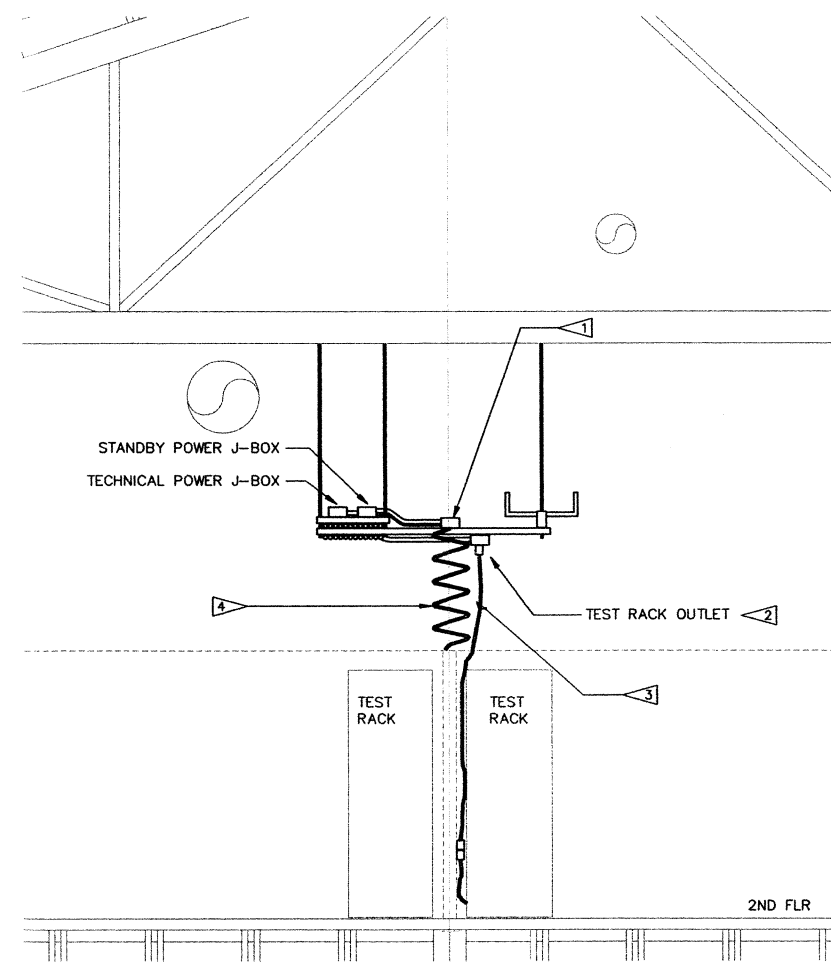
**POLEBASE DETAIL FOR FIXTURE TYPES 'EHA, EHB' AND 'EHC'**  
 SCALE: NOT TO SCALE E2.7



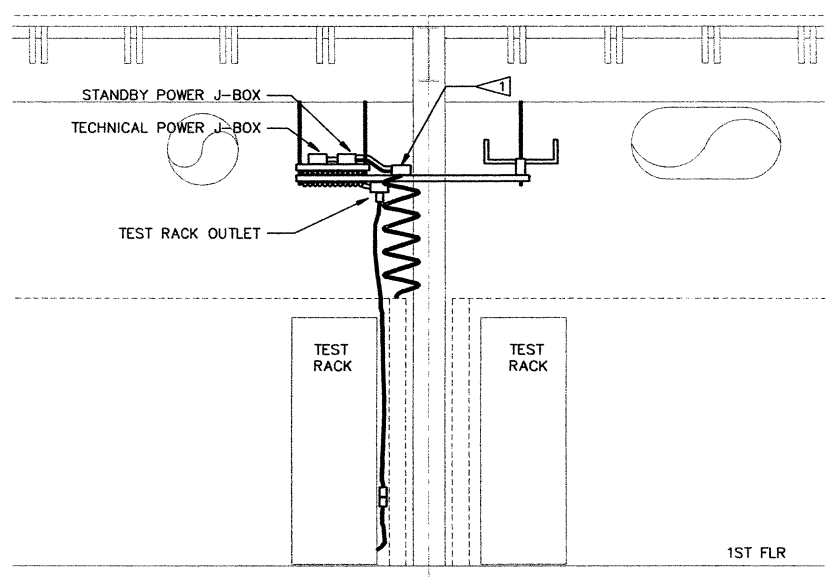
**4 TYPE 2 CORD DROP DETAIL**  
 E2.2/E2.6 SCALE: NOT TO SCALE



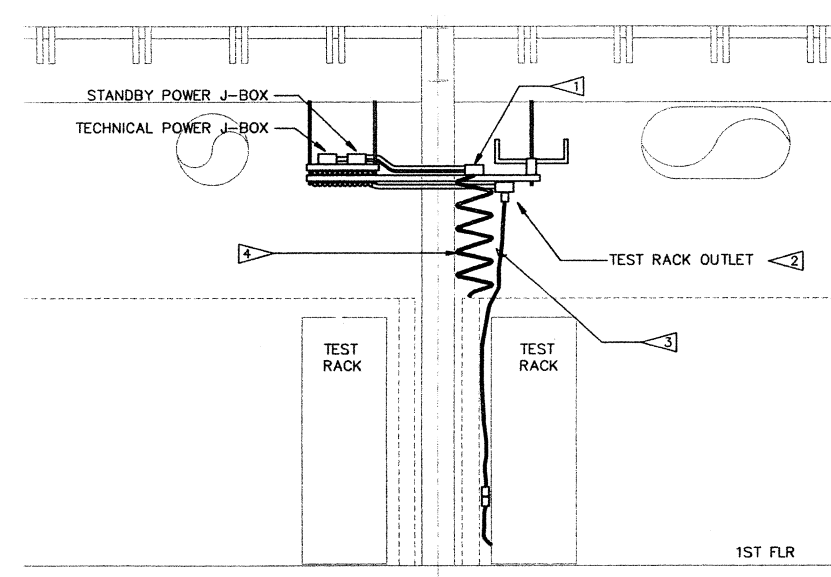
**MODULAR FURNITURE DETAIL 'A2' - SECTION A2.2**  
SCALE: 1/2" = 1'-0"



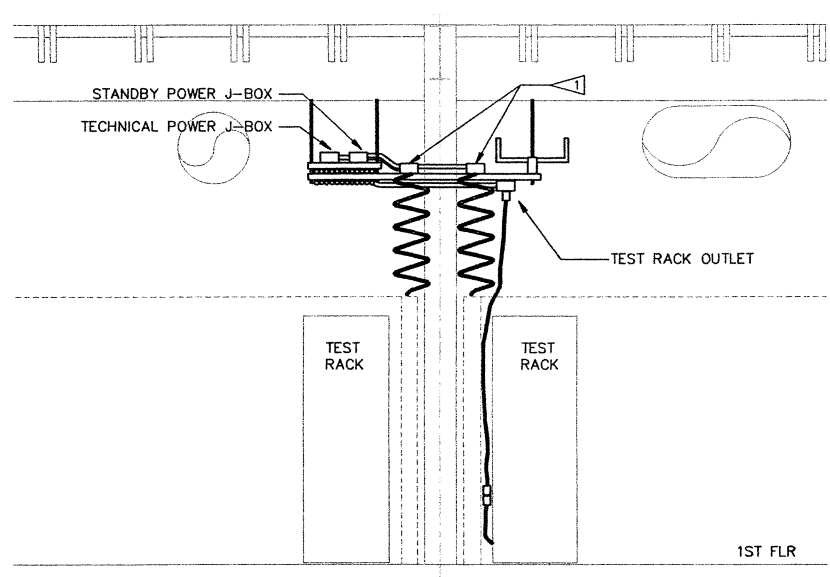
**MODULAR FURNITURE DETAIL 'B2' - SECTION B2.2**  
SCALE: 1/2" = 1'-0"



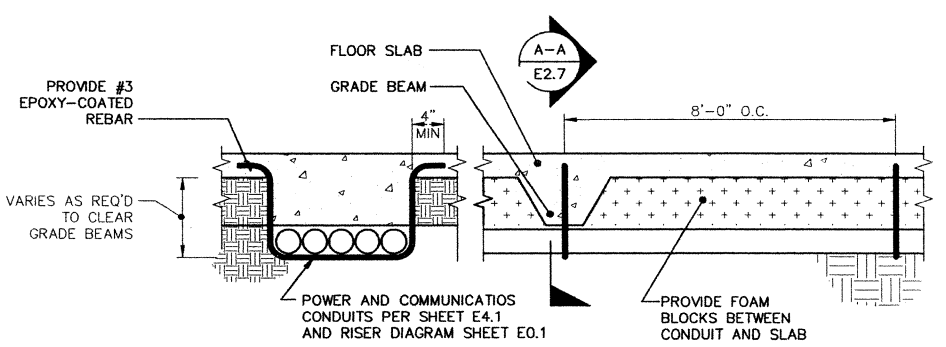
**MODULAR FURNITURE DETAIL 'A1' - SECTION A1.1**  
SCALE: 1/2" = 1'-0"



**MODULAR FURNITURE DETAIL 'B1' - SECTION B1.1**  
SCALE: 1/2" = 1'-0"



**MODULAR FURNITURE DETAIL 'C' - SECTION C**  
SCALE: 1/2" = 1'-0"



**SECTION 'A-A'**  
**REBAR CONDUIT SUPPORT DETAIL D**  
SCALE: NTS

**FLAG NOTES:**  
 ▽ JUNCTION BOX FOR COMBINED TECHNICAL & STANDBY CIRCUITS AND FLEXIBLE DROPS TO MODULAR WORKSTATION.  
 ▽  
 ▽

**MITHUN PARTNERS**  
 ARCHITECTURE PLANNING & INTERIOR DESIGN  
 414 OLIVE WAY SUITE 300 SEATTLE, WA 98101 (206) 463-5344 FAX(206) 463-7665

**SPARLING**  
 ELECTRICAL ENGINEERING, LIGHTING DESIGN & TECHNOLOGY CONSULTING  
 720 OLIVE WAY - SUITE 1100 SEATTLE, WA 98101-1853 FAX 206-667-0554 PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE ANACORTES, WASHINGTON

1" = 8'-0"

5/18/99 CONST. SET

DOUG BORS  
 PROJECT CHIEF  
 BILL VAN VLACK, PE  
 PROJECT MANAGER  
 ED SANTOS  
 PROJECT ENGINEER  
 EOS  
 DRAWN  
 CHECK

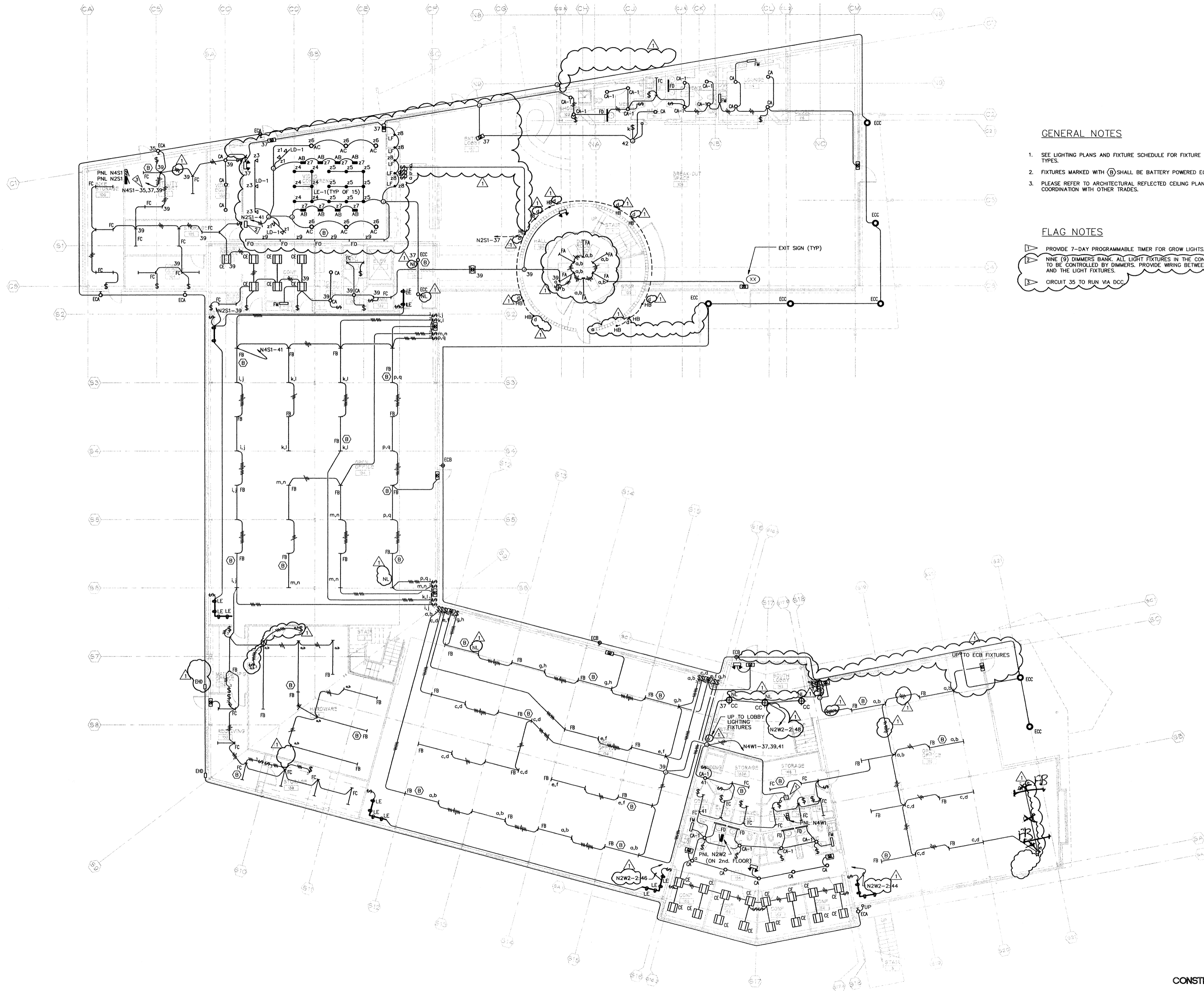


**ELECTRICAL DETAILS**

98060  
 SHEET PROJECT NO. FEBRUARY 9, 1999  
 DATE 7651  
 SHEET PROJECT NO. AS NOTED  
 SCALE

**E2.7**  
 SHEET NUMBER

S:\P051\W051899\CA00\027.DWG: MAY 15, 1999 - 12:41:04 PM BT: LLS



**GENERAL NOTES**

1. SEE LIGHTING PLANS AND FIXTURE SCHEDULE FOR FIXTURE SYMBOLS & TYPES.
2. FIXTURES MARKED WITH (B) SHALL BE BATTERY POWERED EGRESS FIXTURES.
3. PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.

**FLAG NOTES**

- 1. PROVIDE 7-DAY PROGRAMMABLE TIMER FOR GROW LIGHTS.
- 2. NINE (9) DIMMERS BANK. ALL LIGHT FIXTURES IN THE CONFERENCE ROOM TO BE CONTROLLED BY DIMMERS. PROVIDE WIRING BETWEEN THE DIMMERS AND THE LIGHT FIXTURES.
- 3. CIRCUIT 35 TO RUN VIA DCC.

**MITHUN PARTNERS**  
 ARCHITECTURE  
 P.L.L.C.  
 414 OLIVE WAY  
 SUITE 500  
 SEATTLE, WA 98101  
 (206) 467-0554  
 FAX (206) 467-0554  
 PHONE (206) 467-0555

**SPARLING**

ELECTRICAL ENGINEERING,  
 LIGHTING DESIGN &  
 TECHNOLOGY CONSULTING  
 720 OLIVE WAY - SUITE 1100  
 SEATTLE, WA 98101-1853  
 FAX 206-667-0554  
 PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON



SCALE 1/8"=1'-0"

5/18/99 CONST. SET

DOUG BORS  
 PROJECT MANAGER  
 BILL VAN VLACK, PE  
 PROJECT ENGINEER  
 ED SANTOS  
 PROJECT ENGINEER



**LIGHTING PLAN**  
 FIRST FLOOR

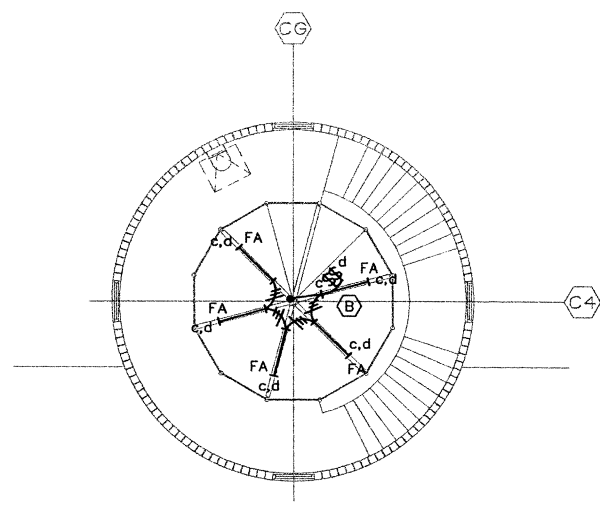
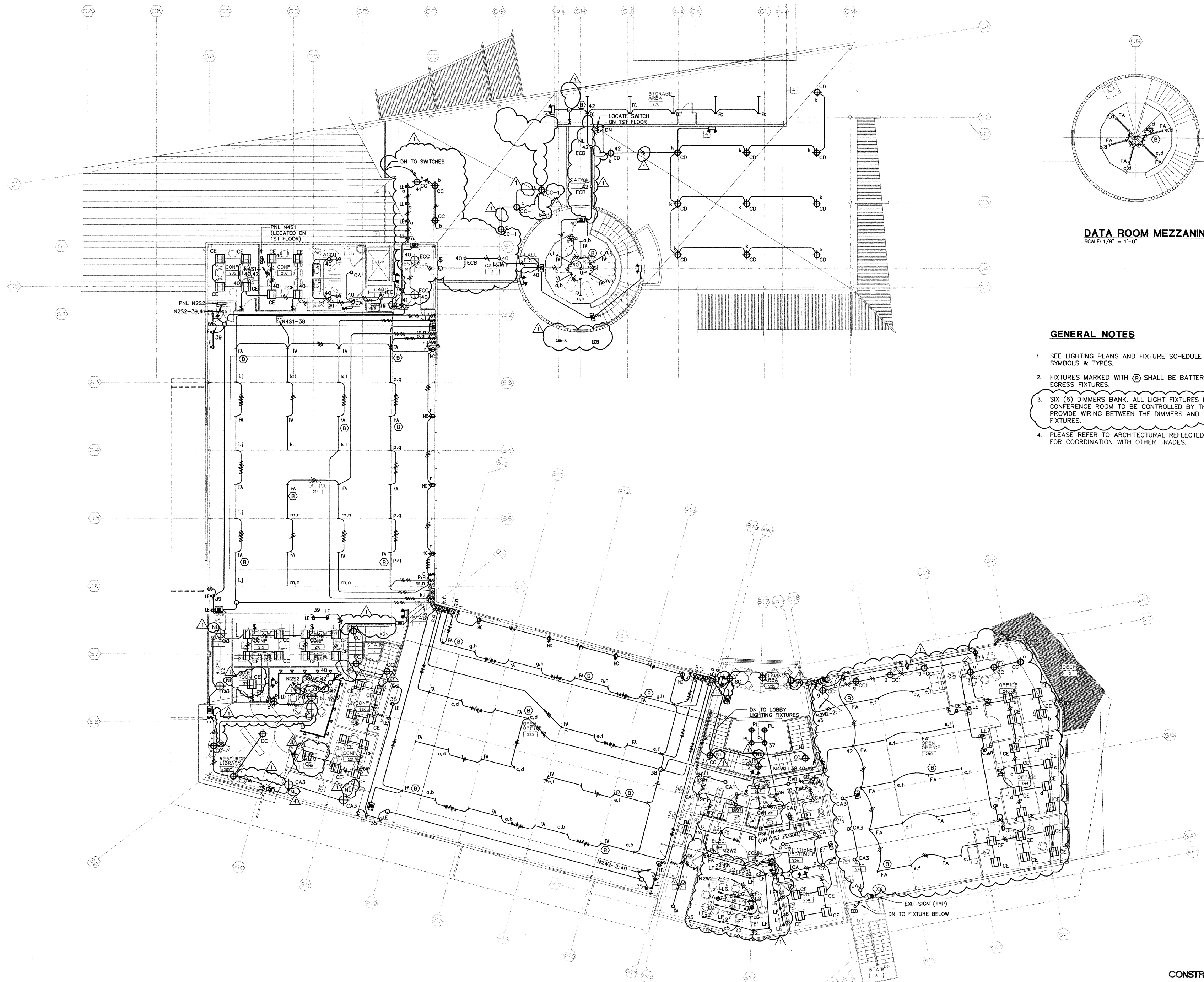
98060  
 DRAWN BY: [Name]  
 FEBRUARY 9, 1999  
 SHEET NO. 7651  
 SCALE: 1/8" = 1'-0"

**E3.1**

CONSTRUCTION SET

J:\7651\REDIGN\GA00\LS1.DWG MAY 18, 1999 - 10:52:34 AM BT: LES





**DATA ROOM MEZZANINE**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

1. SEE LIGHTING PLANS AND FIXTURE SCHEDULE FOR FIXTURE SYMBOLS & TYPES.
2. FIXTURES MARKED WITH (B) SHALL BE BATTERY POWERED RECESS FIXTURES.
3. SIX (6) DIMMERS BANK. ALL LIGHT FIXTURES IN THE CONFERENCE ROOM TO BE CONTROLLED BY THE DIMMERS. PROVIDE WIRING BETWEEN THE DIMMERS AND THE LIGHT FIXTURES.
4. PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.

**MITHUN PARTNERS**  
414 OLIVE WAY  
SUITE 500  
SEATTLE, WA 98101  
(206) 467-3344  
FAX (206) 467-3995

ARCHITECTURE  
PLANNING &  
INTERIOR DESIGN

**SPARLING**

ELECTRICAL ENGINEERING,  
LIGHTING DESIGN &  
TECHNOLOGY CONSULTING

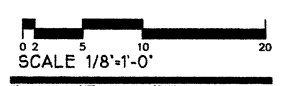
720 OLIVE WAY - SUITE 1100  
SEATTLE, WA 98101-1853  
FAX 206-667-0554  
PHONE 206-667-0555

**SUN HEALTHCARE SYSTEMS, INC.**

**CAMPUS: PHASE ONE**

**ANACORTES, WASHINGTON**

TRUE NORTH



5/18/99 CONST. SET

**DOUG BORS**  
PROJECT MANAGER  
**BILL VAN VLACK, PE**  
PROJECT ENGINEER  
**ED SANTOS**  
PROJECT ENGINEER  
**JZ**  
DATE  
CHECK



**LIGHTING PLAN**  
**SECOND FLOOR**

98060  
DATE PROJECT SET  
FEBRUARY 9, 1999  
DATE  
7651  
DRAWING PROJECT NO.  
1/8" = 1'-0"  
SCALE

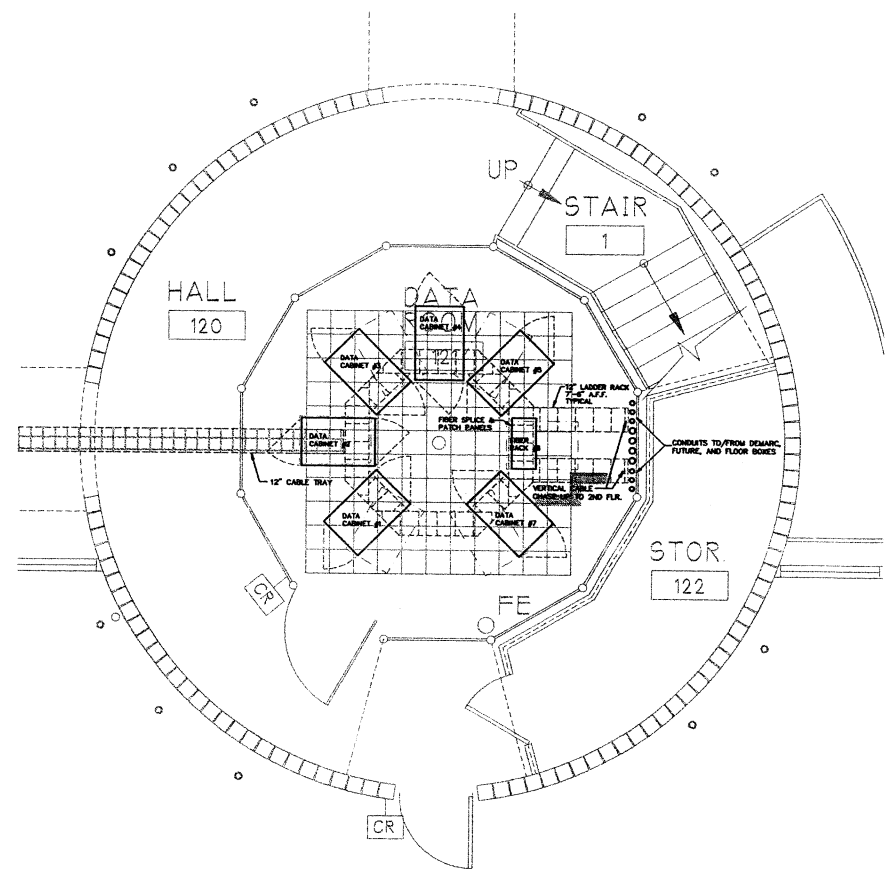
**E3.2**

CONSTRUCTION SET

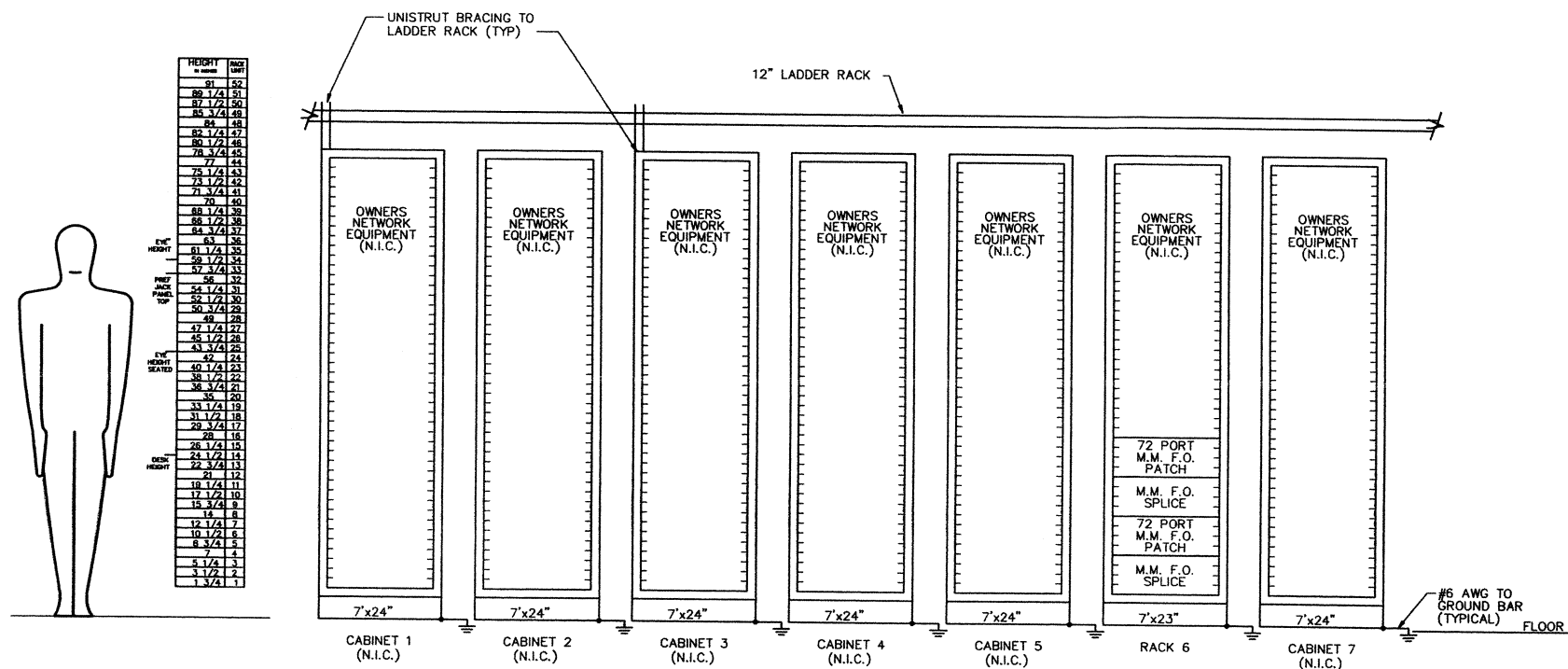
S:\V\04\1\1000000\1000000\1000000.dwg 1/11/99 10:00:00 AM 0.1, 1.0



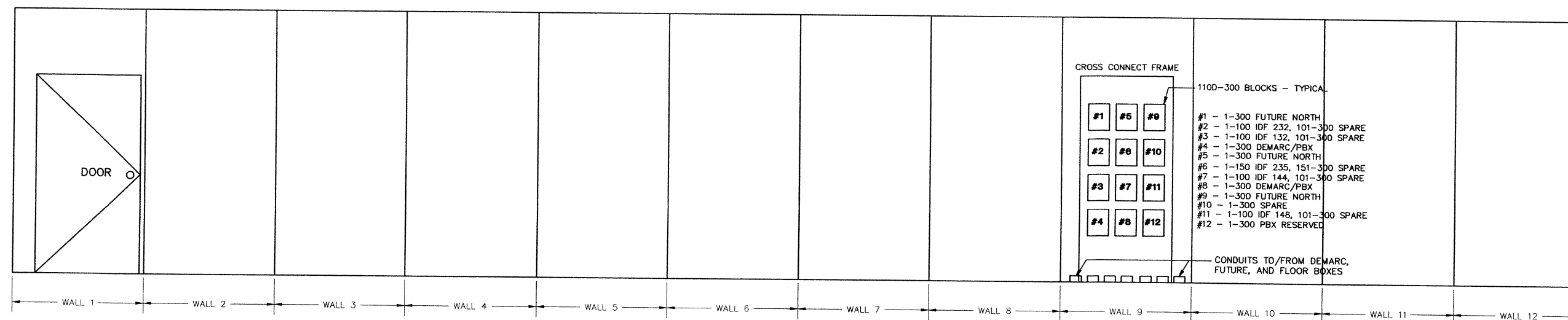




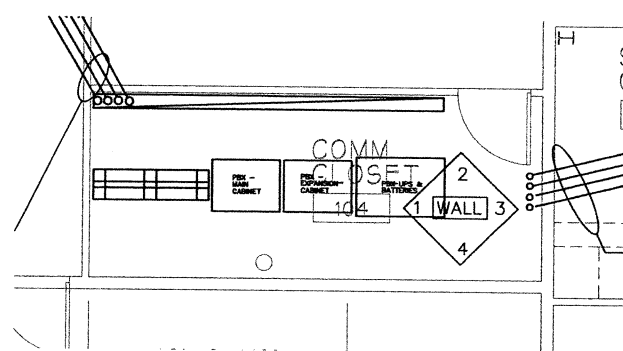
MDF 1ST FLOOR ROOM  
PLAN VIEW  
SCALE: 1/4" = 1'-0" REF. SHEET: E-4-7



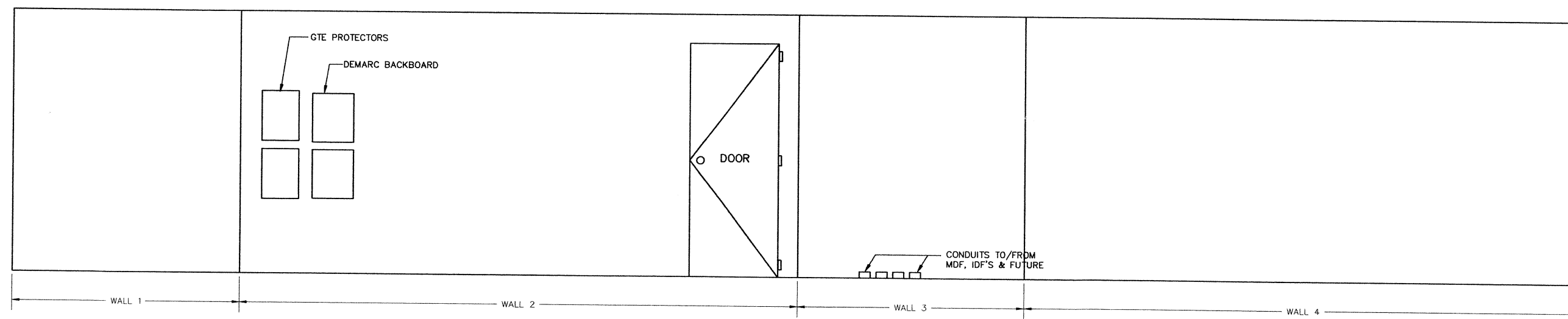
DATA CENTER PBX ROOM RACK ELEVATION (TYPICAL)  
SCALE: NTS



MDF 1ST FLOOR ROOM ELEVATIONS  
WALLS 1-12  
SCALE: 1/2" = 1'-0" REF. SHEET: E-4-7



1ST FLOOR DEMARC ROOM  
PLAN VIEW  
SCALE: 1/4" = 1'-0" REF. SHEET: E-4-7



1ST FLOOR DEMARC ROOM ELEVATIONS  
WALLS 1-4  
SCALE: 1/2" = 1'-0" REF. SHEET: E-4-7



DATE: 5/18/99

5/18/99 CONST. SET

DOUG BORS  
PROJECT MANAGER  
BILL VAN VLACK, PE  
PROJECT ENGINEER  
ED SANTOS  
PROJECT ARCHITECT

DATE:

CHK:

APP:



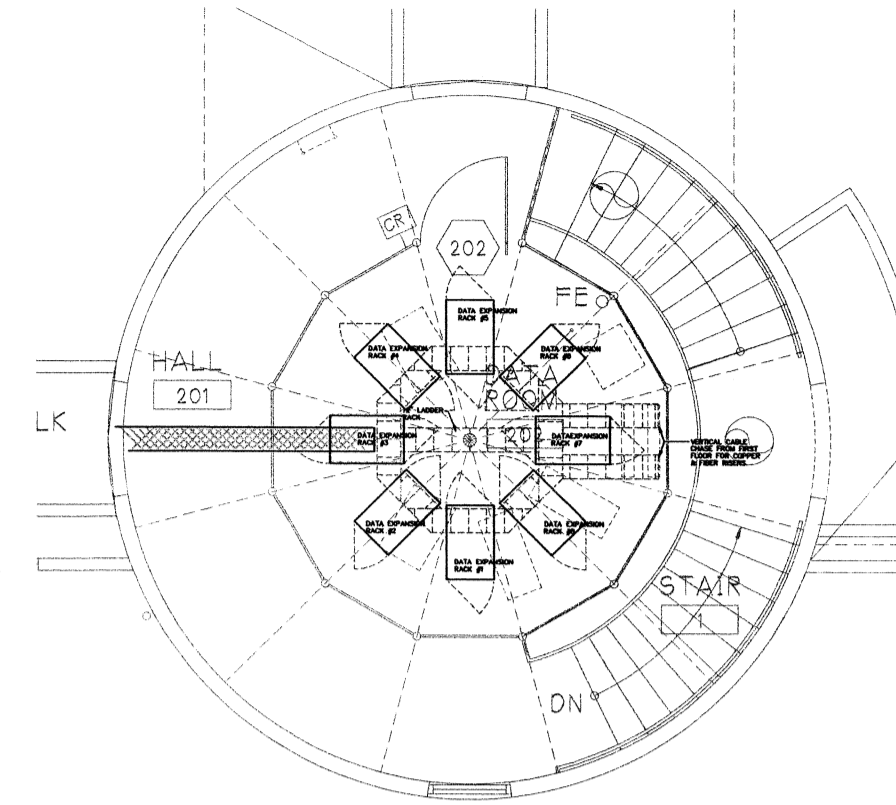
COMMUNICATIONS  
DETAILS  
SHEET 1

98060  
PROJECT NO.  
FEBRUARY 9, 1999  
DATE  
7651  
SHEET NO.  
AS NOTED  
SCALE

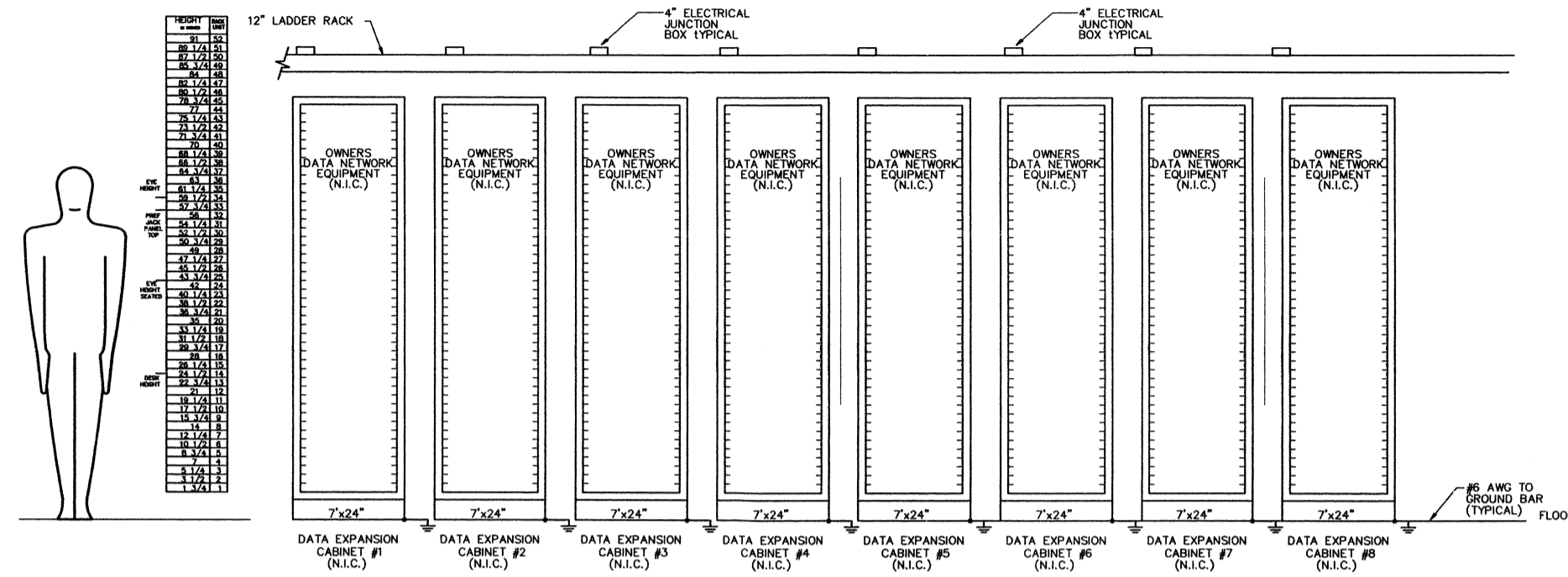
**E4.3**

CONSTRUCTION SET

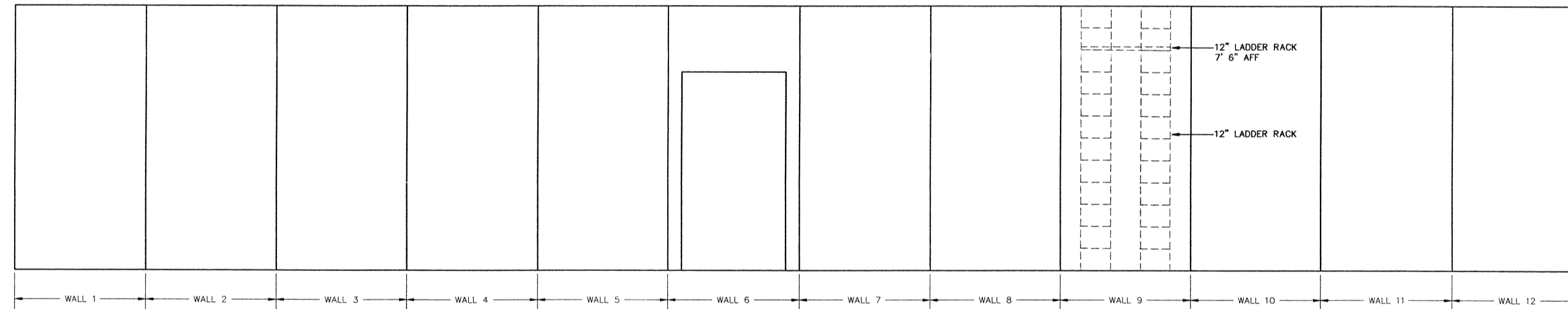




2ND FLOOR MDF ROOM  
 PLAN VIEW  
 SCALE: 1/4" = 1'-0" REF. SHEET: E-----7



DATA CENTER PBX ROOM RACK ELEVATION (TYPICAL)  
 SCALE: NTS



2ND FLOOR MDF ROOM ELEVATIONS  
 WALLS 1-12  
 SCALE: 1/2" = 1'-0" REF. SHEET: E-----7



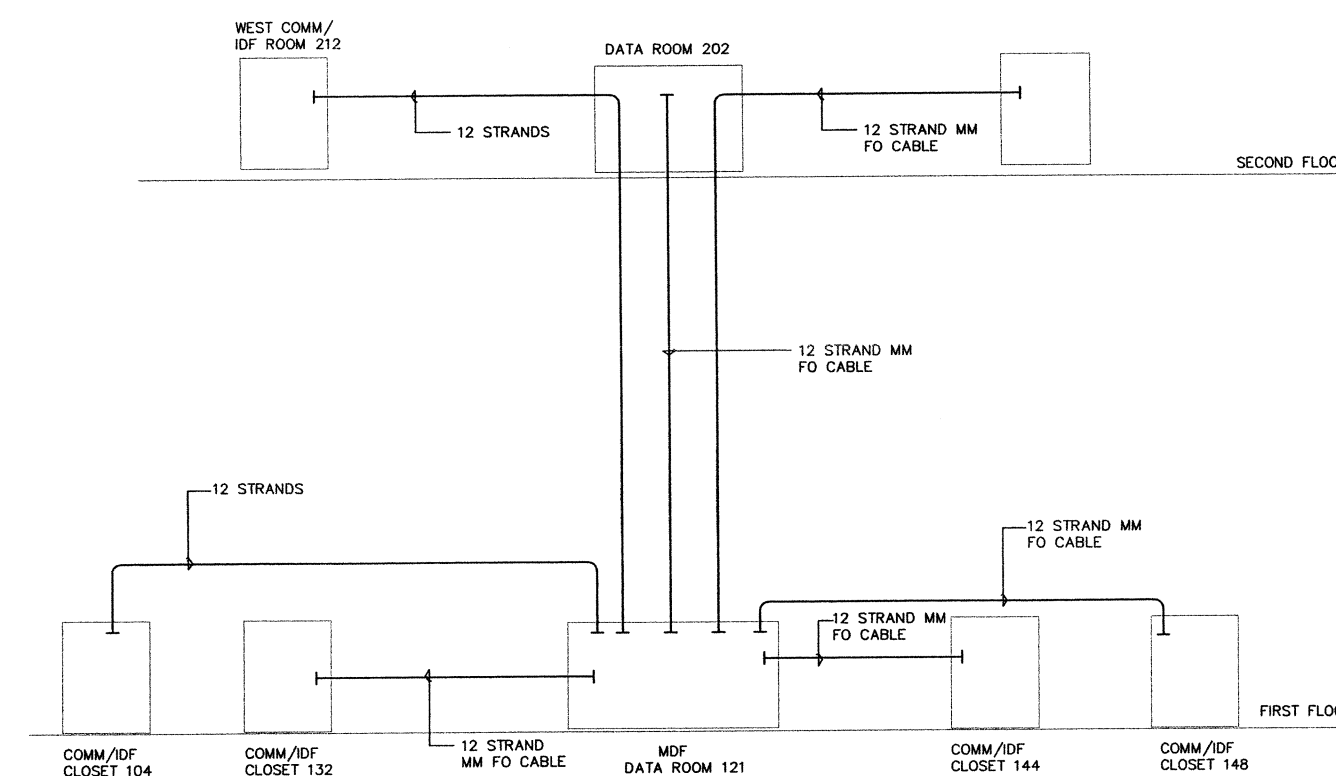
**SPARLING**

ELECTRICAL ENGINEERING,  
 LIGHTING DESIGN &  
 TECHNOLOGY CONSULTING

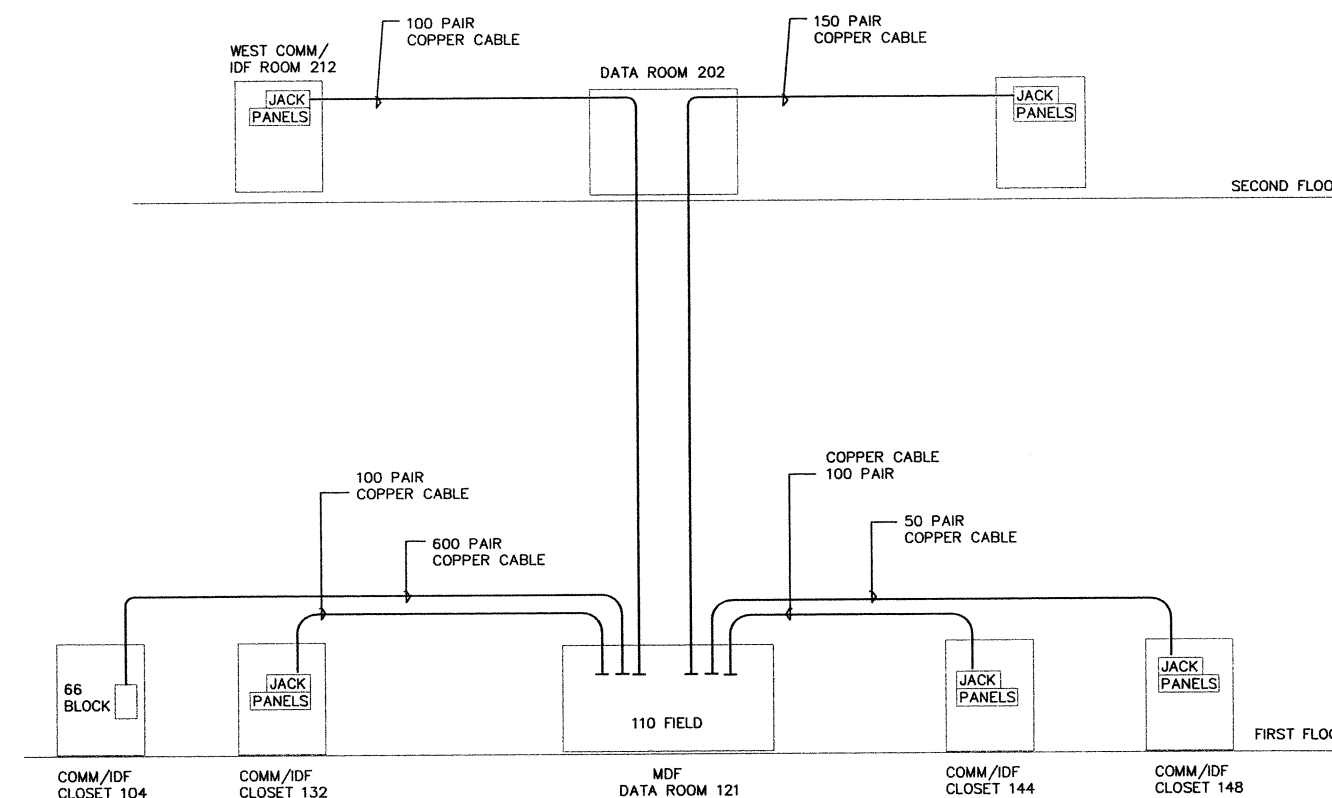
720 OLIVE WAY - SUITE 1100  
 SEATTLE, WA 98101-1853  
 FAX 206-667-0554  
 PHONE 206-667-0555



**SUN HEALTHCARE SYSTEMS, INC.**  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON



**MULTIMODE FIBER OPTIC  
 CABLE DIAGRAM**



**COPPER CABLE DIAGRAM**

NO.	DATE	REVISION

5/18/99 CONST. SET

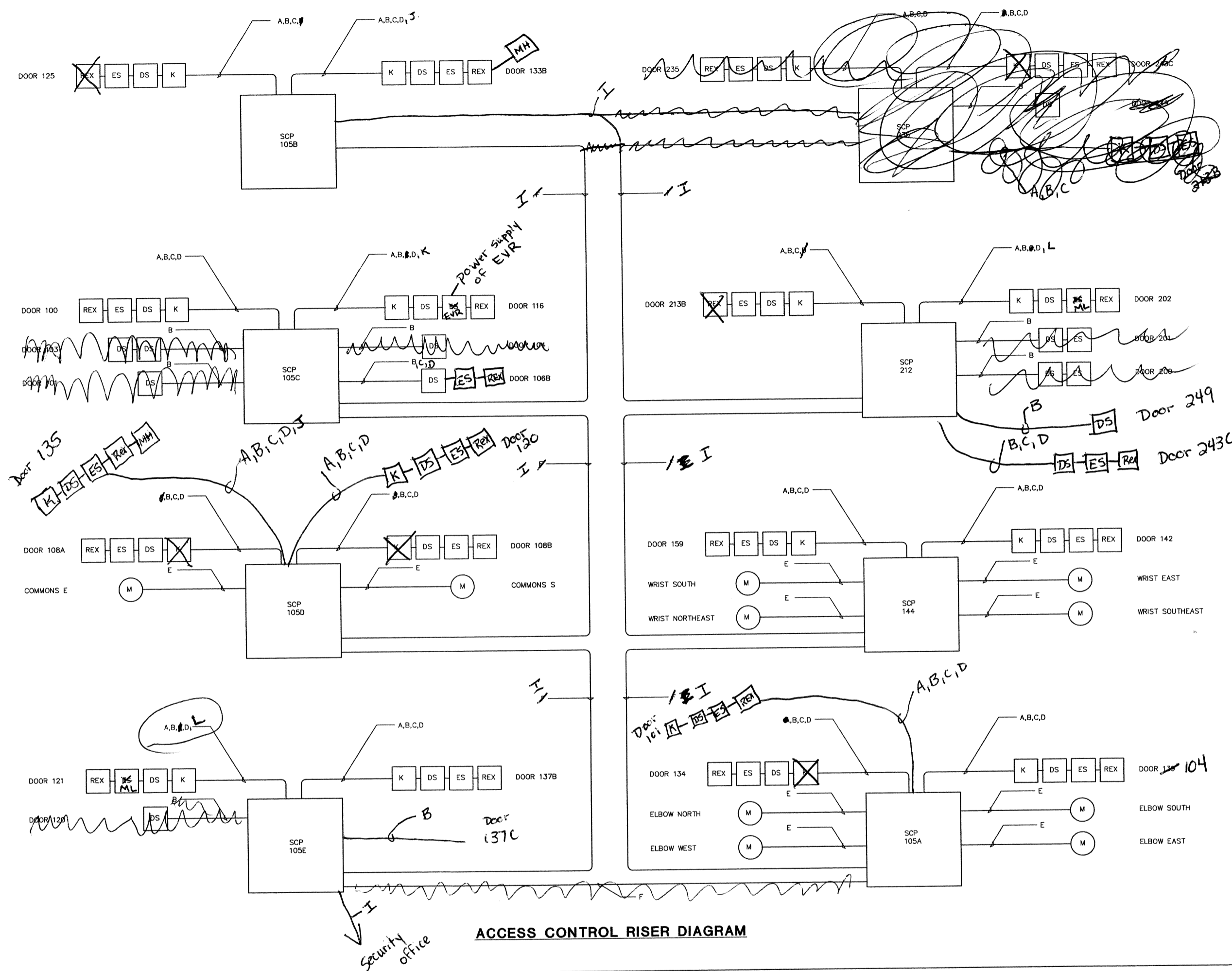
DOUG BORS  
 PROJECT MANAGER  
 BILL VAN VLACK, PE  
 PROJECT ENGINEER  
 ED SANTOS  
 PROJECT ARCHITECT  
 EBA  
 DATE



COMM.  
 RISER  
 DIAGRAM  
 98060  
 SPARLING PROJECT NO.  
 FEBRUARY 9, 1999  
 SHEET NO.  
 7651  
 SPARLING PROJECT NO.  
 NTS  
 DATE

**E4.7**



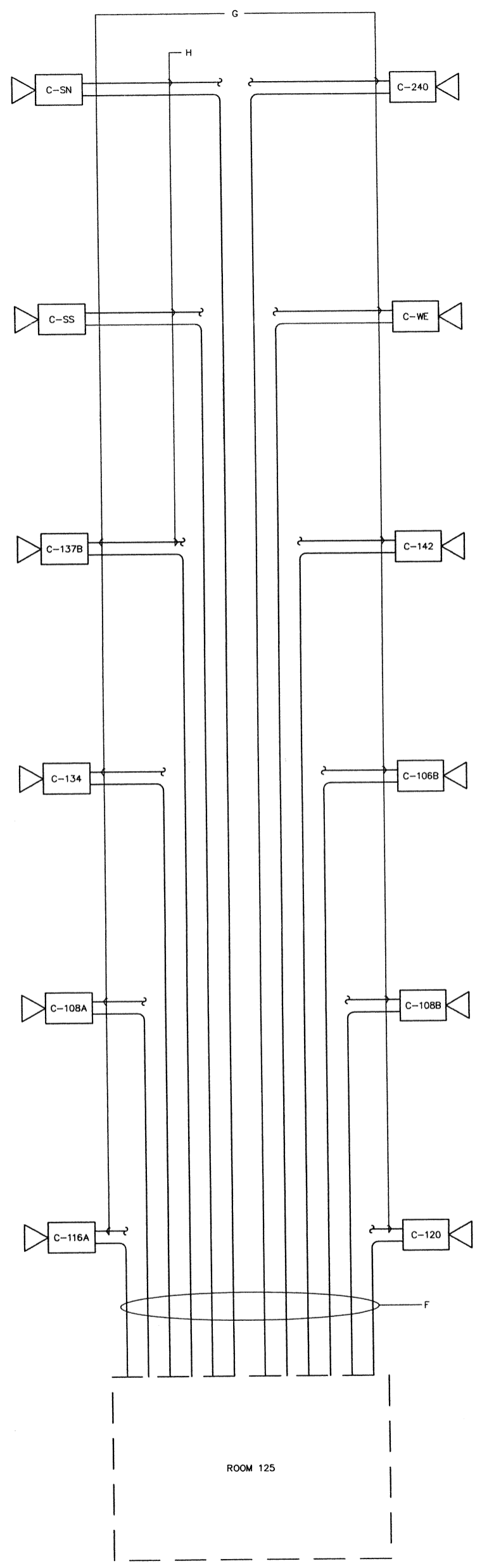


ACCESS CONTROL RISER DIAGRAM

CABLE LEGEND

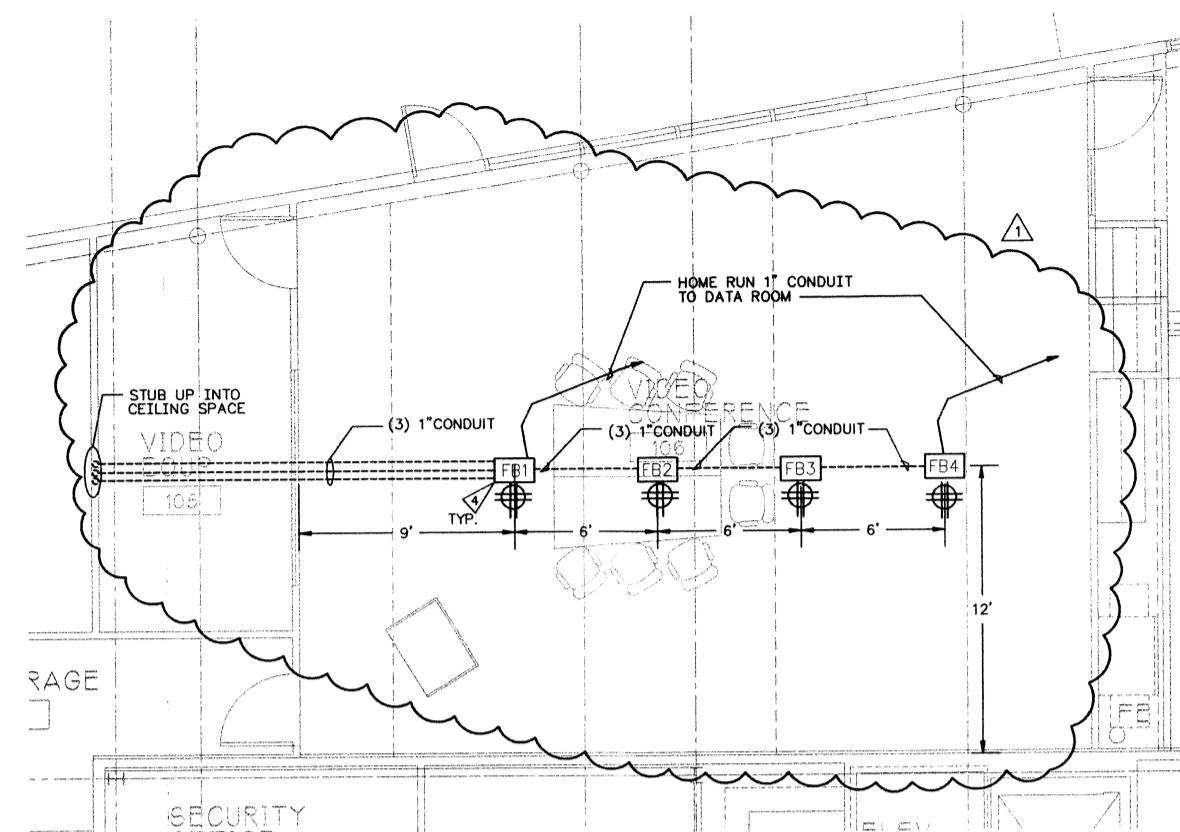
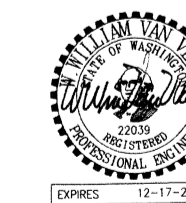
MARK	ID	DESCRIPTION	CABLE
A	K	CARD READER	6/C - #22 SHIELDED
B	DS	DOOR SWITCH	2/C - #22
C	ES	ELECTRIC STRIKE	2/C - #18
D	REX	REQUEST TO EXIT	4/C - #22
E	M	Glass Break MOTION DETECTOR	4/C - #22
F		CAMERA (SIGNAL)	RG 590 RG 59U
G		CAMERA (POWER) (TO NEAREST COMM CLOSET - PROVIDE 15' UNTERMINATED COIL)	2/C - #18
H		CAMERA (POWER) (SEE E1.0)	2 - #12

I [C] - Communications 4/c - #22  
 J [MH] - Magnetic Door Holder 2/c - #18  
 K [EVR] - Electric Vertical Rods 4/c - #18  
 L [ML] - Mag Lock 2/c - #18

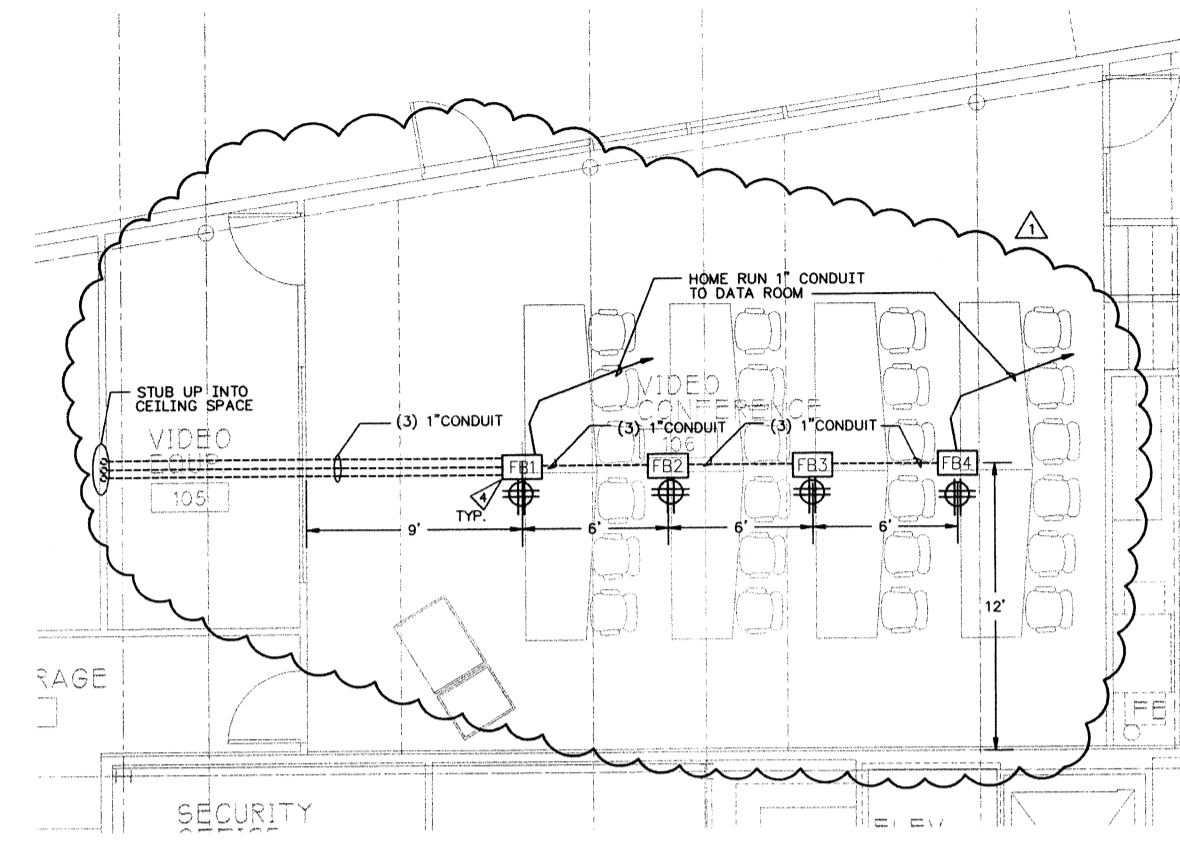


CCTV RISER DIAGRAM

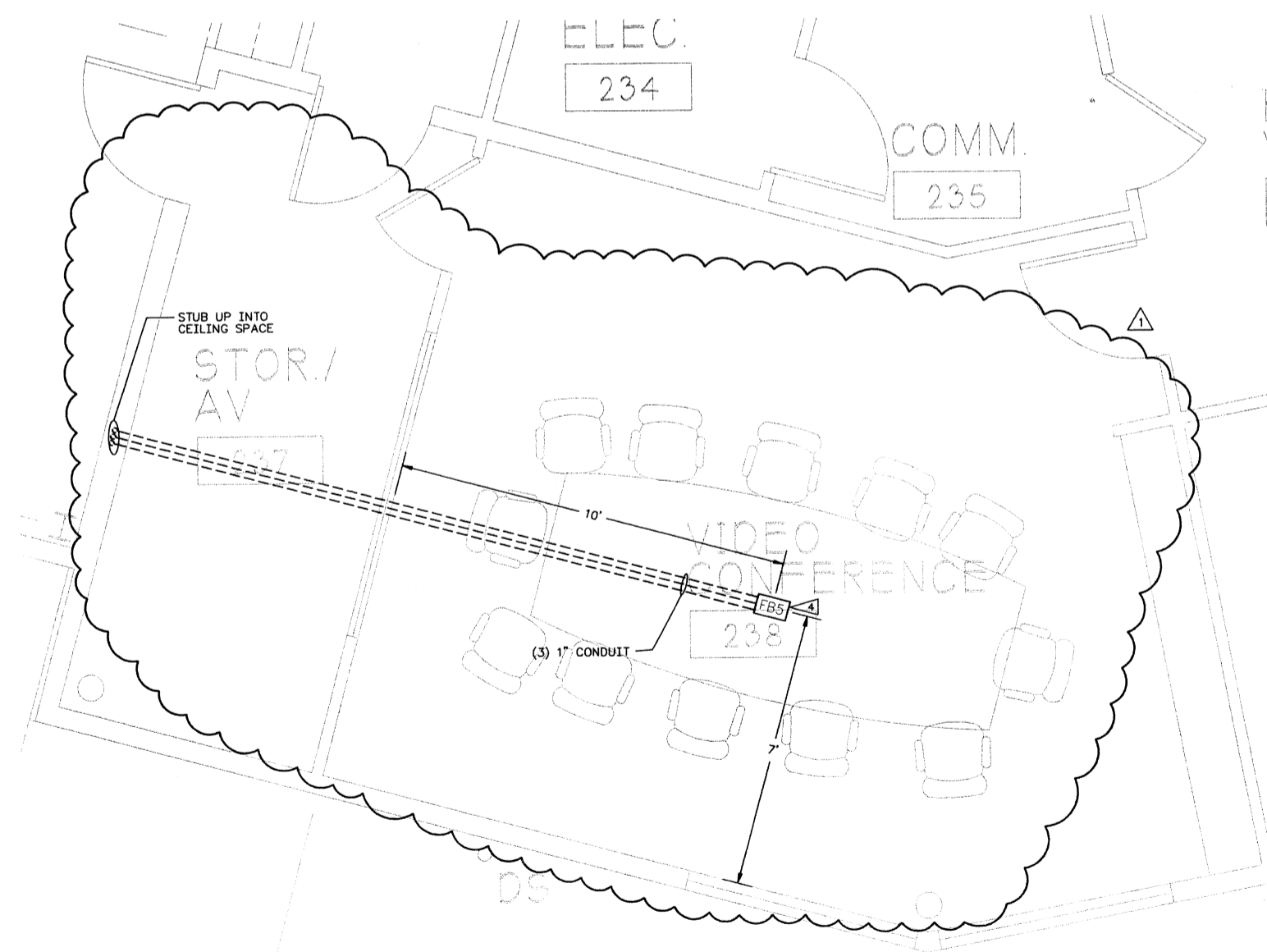
J:\7851\REDIGN\CADD\48.DWG MAY 18, 1999 - 12:32:53 PM BY: LES



**FURNITURE VIEW A  
VIDEO CONFERENCE ROOM 106 A/V INFRASTRUCTURE**  
SCALE: 1/4"=1'-0"



**FURNITURE VIEW B  
VIDEO CONFERENCE ROOM 106 A/V INFRASTRUCTURE**  
SCALE: 1/4"=1'-0"



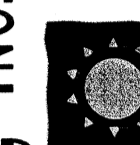
**VIDEO CONFERENCE ROOM 238 A/V INFRASTRUCTURE**  
SCALE: 1/2"=1'-0"

**FLAGNOTES:**

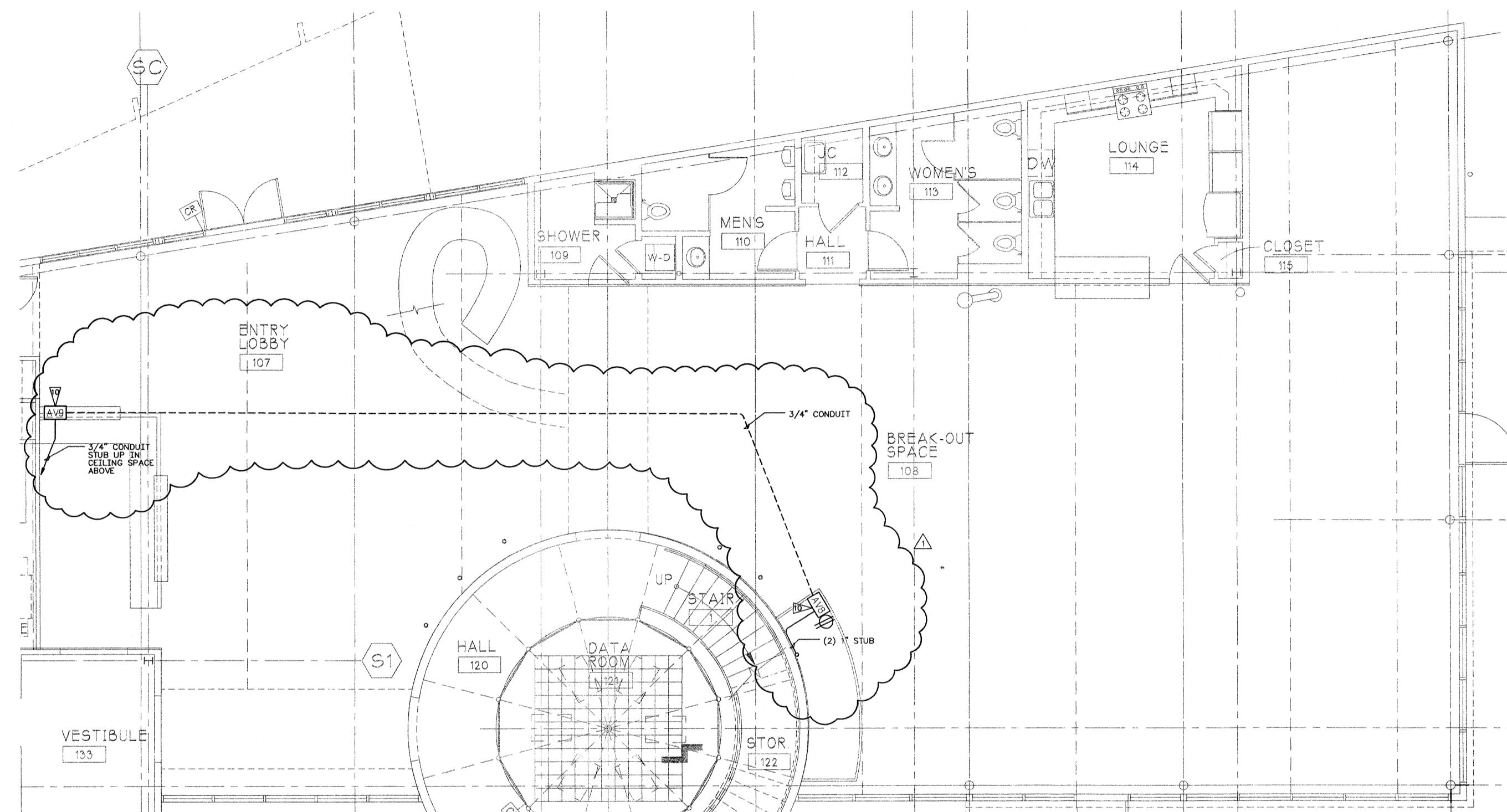
- COMBINE POWER/DATA/AV CONNECTIONS.

**NOTES:**

PLEASE REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH OTHER TRADES.



SCALE 1/4"=1'-0"



**ENTRY LOBBY AND BREAKOUT SPACE A/V INFRASTRUCTURE**  
 SCALE: 1/4"=1'-0"

**FLAGNOTES:**

4 GANG JUNCTION BOX MOUNTED IN MILLWORK. COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH IN.

**NOTES:**

PLEASE REFER TO ARCHITECTURAL REFLECTED PLANS FOR COORDINATION WITH OTHER TRADES.

DATE	REVISION
5/18/99	CONST. SET

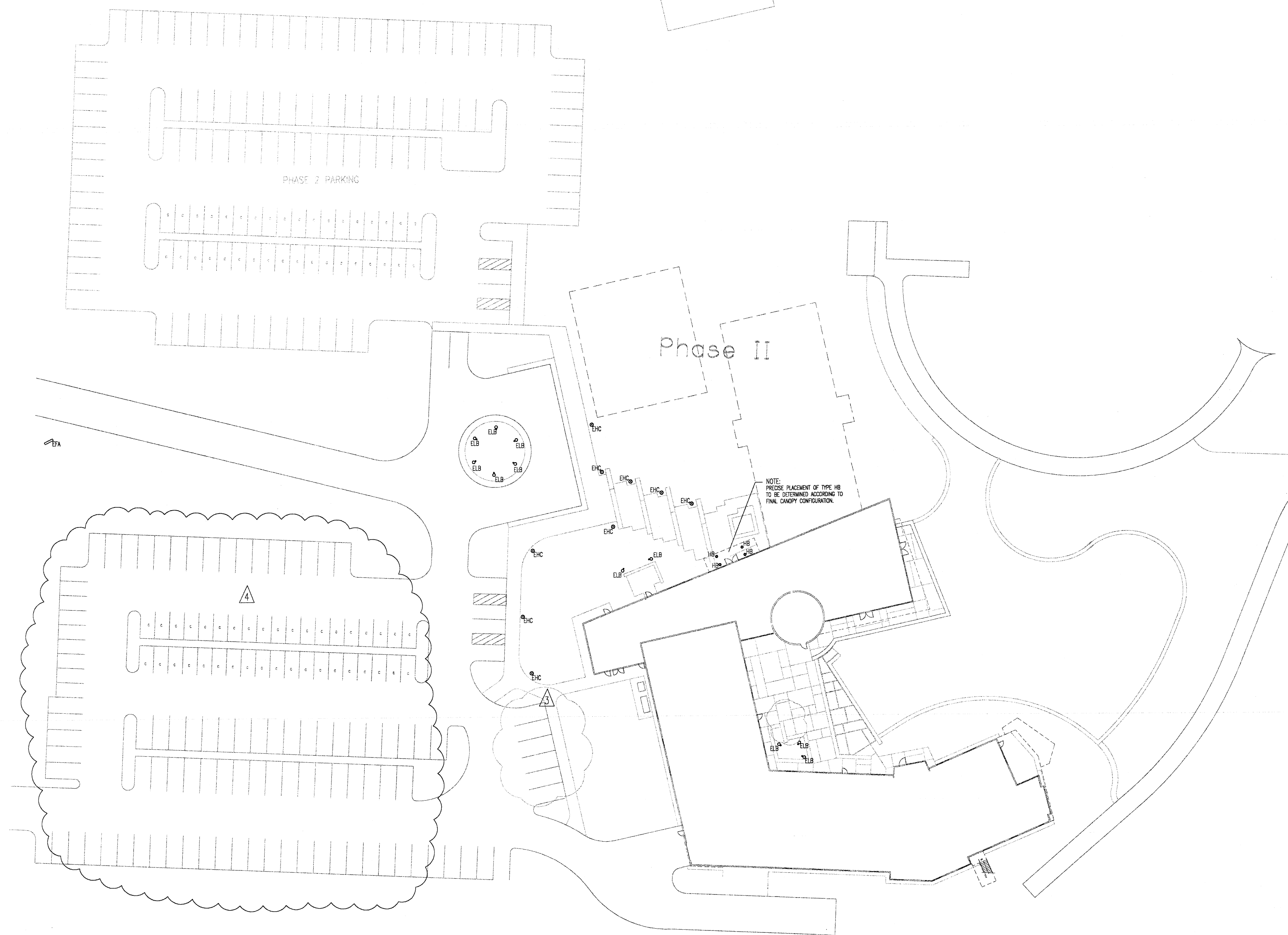
DOUG BORS  
 PRINCIPAL IN CHARGE  
 NATHAN THOMAS  
 PROJECT MANAGER  
 NATHAN THOMAS  
 PROJECT ENGINEER  
 BRADY MCCOY  
 DESIGNER



**LOBBY & BREAKOUT  
 A/V INFRASTRUCTURE  
 FLOOR PLAN**

98060  
 DESIGN PROJECT NO.  
 FEBRUARY 9, 1999  
 DATE  
 7651  
 SPARLING PROJECT NO.  
 1/4"=1'-0"  
 SCALE

J:\7651\CAMPUS\AV\CADD\AV102.DWG MAY 18, 1999 - 10:24:13 AM BY: NDT



SCALE: 1" = 20' - 0"

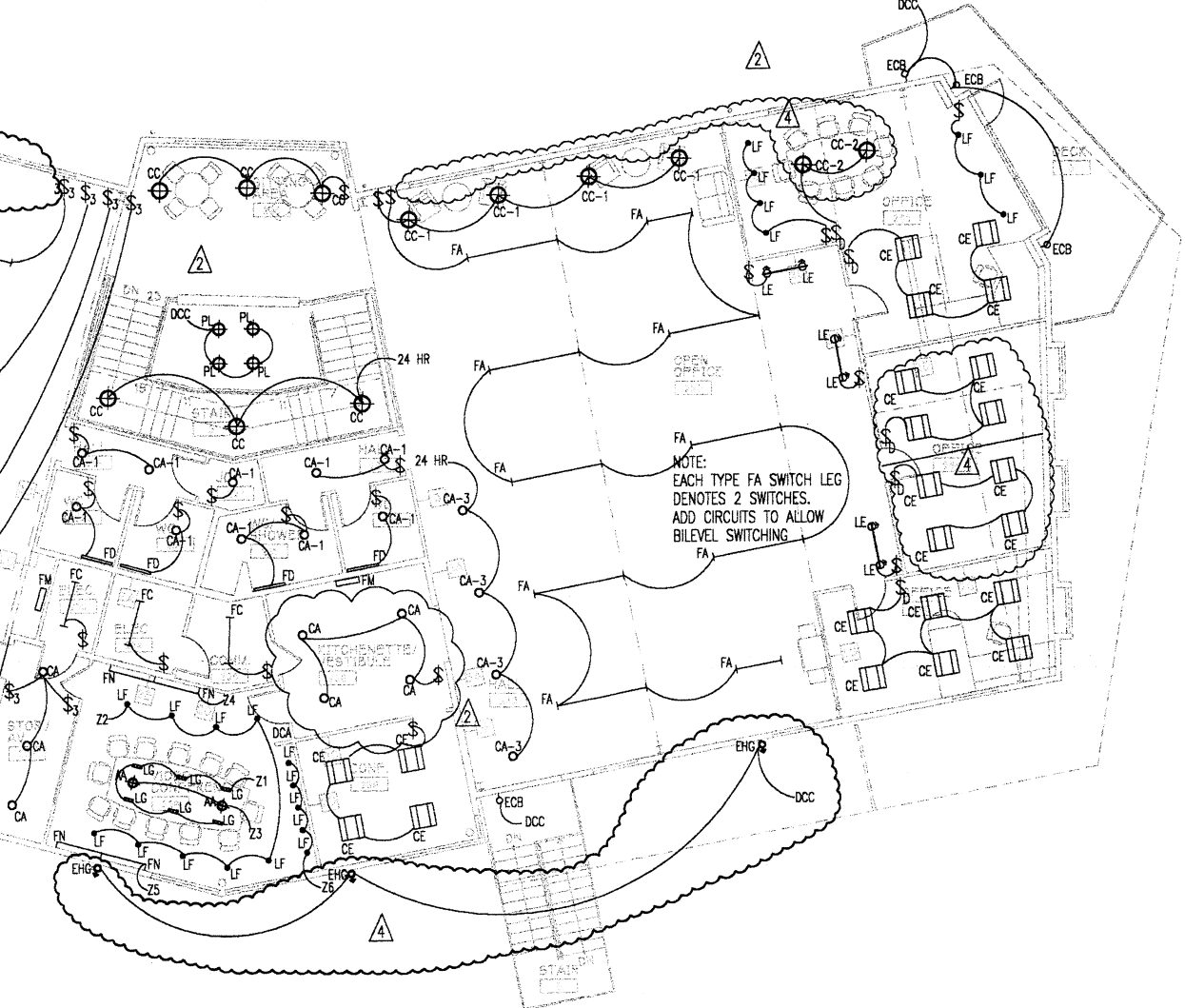
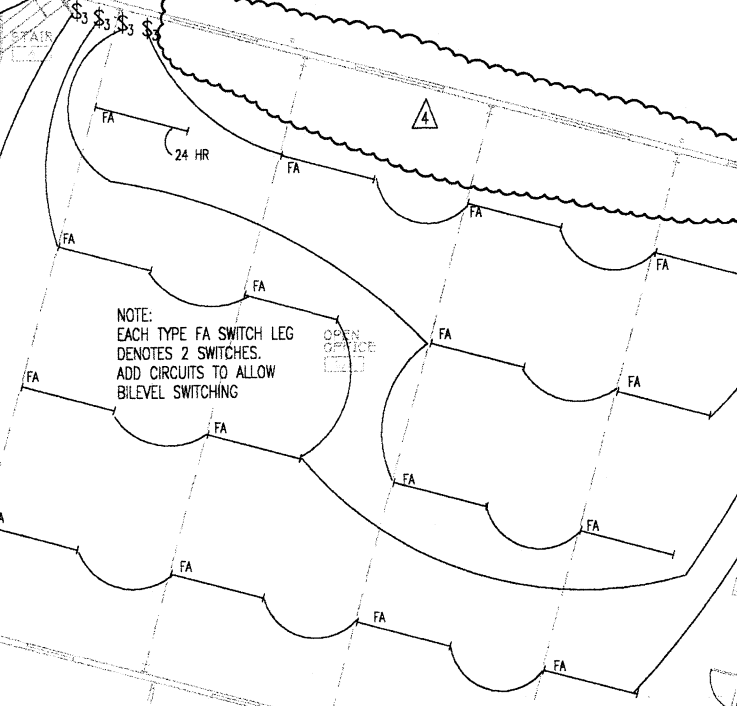
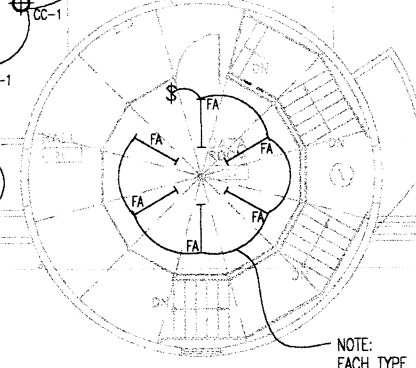
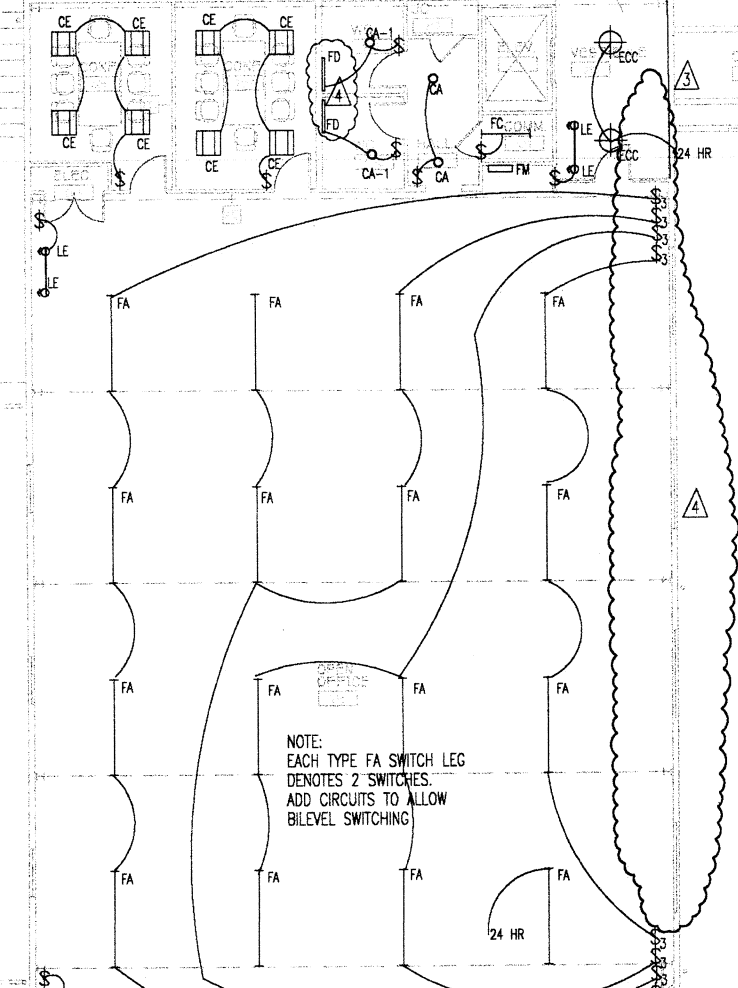
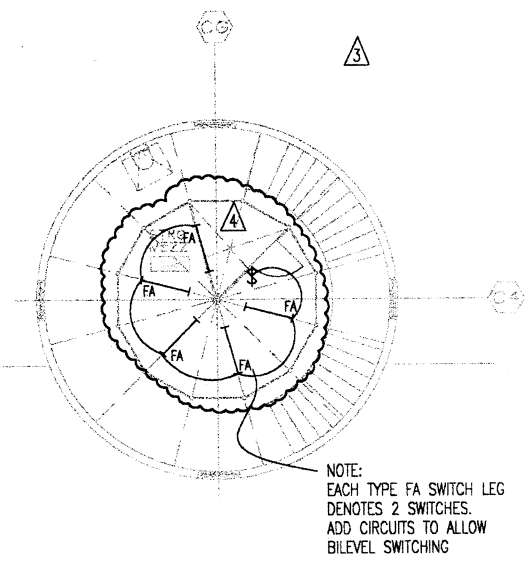
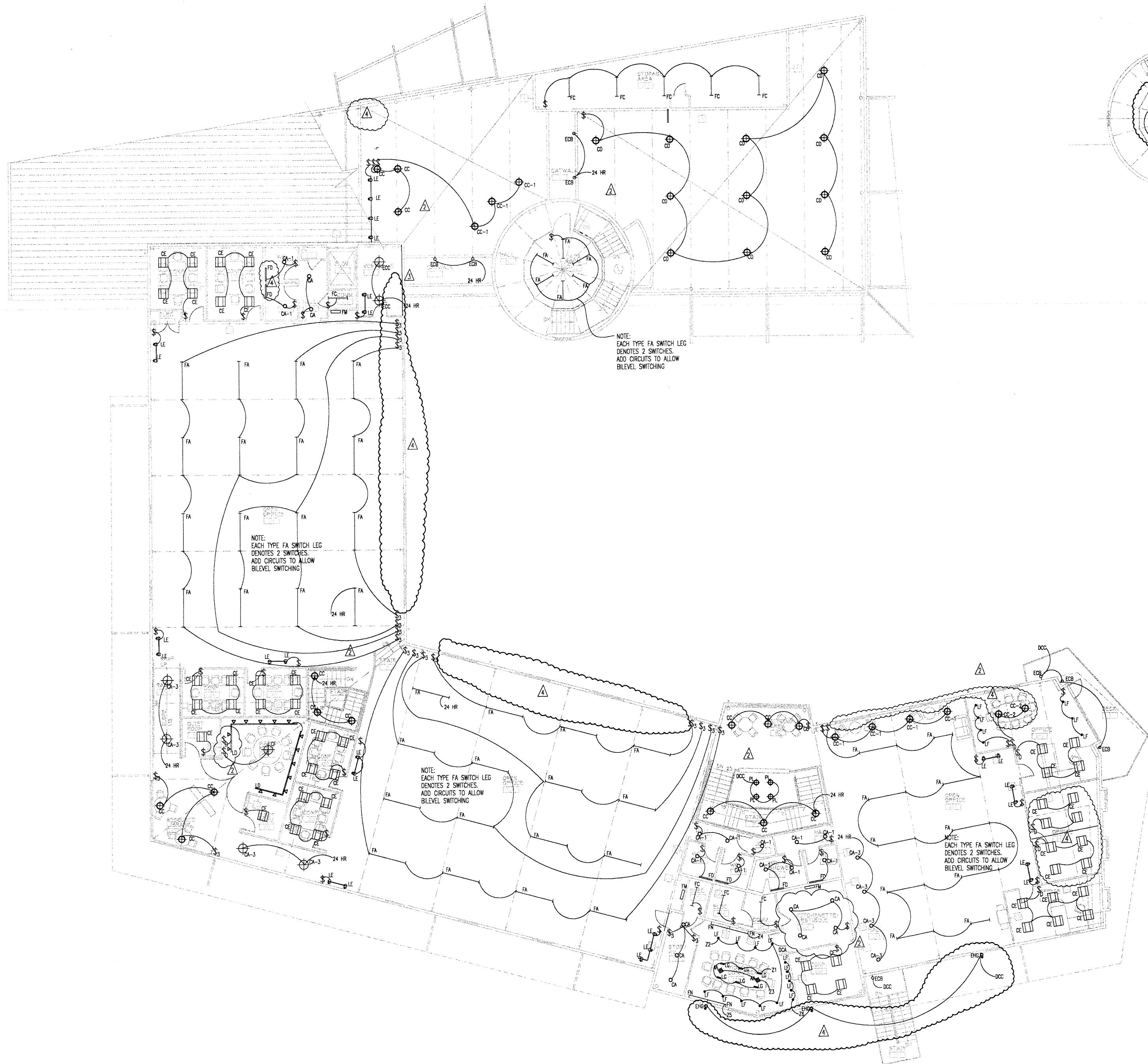
NO.	DATE	REVISION
1	5/7/1999	Advertisement
4	8/24/1999	PR #07

OWNER OR CLIENT	SUN
DESIGNER	J.M.A.
PROJECT MANAGER	SPB
PROJECT ADDRESS	
DRAWN	KB/JJK
CHECKED	

**J. MILLER & ASSOCIATES, LTD.**  
 Lighting Designers & Consultants  
 1800 Third Avenue Suite 205 Seattle, WA 98101  
 Telephone: (206) 382-8777 Fax: (206) 382-8799  
 email: jsturnell@mla-lighting.com

PROJECT TITLE	LIGHTING PLAN
SHEET NO.	SITE
DATE	201
PROJECT NO.	34 Acquist 1999
DATE	
DESIGNER'S FILE NO.	
SHEET NUMBER	LS.1
COPYRIGHT © 1999 J.M.A. PARTNERS, INC.	





**MITHUN**  
 PARTNERS  
 114 OLIVE WAY  
 SUITE 200  
 SEATTLE WA 98101  
 (206) 463-3000  
 FAX (206) 463-7800

**SUN HEALTHCARE SYSTEMS, INC.**  
**CORPORATE CAMPUS**  
**ANACORTES, WASHINGTON**



SCALE 1/8"=1'-0"

1	5/7/99	Addendum 1
2	5/19/99	Addendum 2
4	8/24/99	PR #07

PROJECT IN CHARGE  
 JLM  
 PROJECT MANAGER  
 SPD  
 PROJECT ARCHITECT  
 KB/JK  
 CHECK

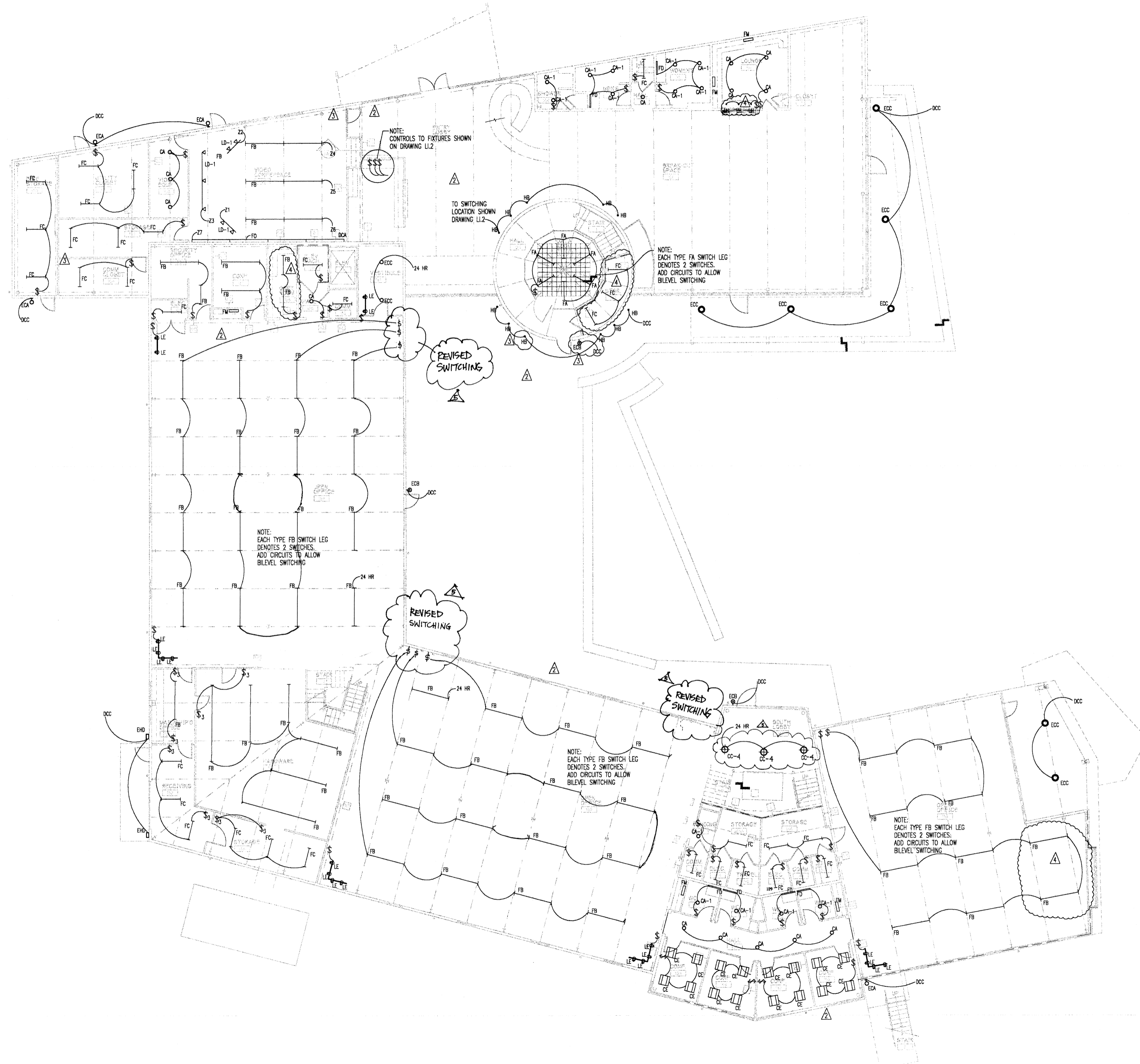
**J. MILLER & ASSOCIATES, LTD.**  
 Lighting Designers & Consultants  
 1000  
 1000 Third Avenue, Suite 1100, Seattle, WA 98101  
 Telephone 206.281.1777 Fax 206.282.8395  
 email: jma@jma-lighting.com

**LIGHTING PLAN**  
**SECOND LEVEL**

PROJECT NO.  
 24 August 1999  
 DATE

COMPUTER FILE NAME  
**LI.2**  
 SHEET NUMBER





SCALE 1/8"=1'-0"

NO.	DATE	REVISION
1	5/7/1989	Addendum 1
2	5/19/89	Addendum 2
4	8/24/1989	PR #07
5	9/3/199	PR #07 rev. 1

DESIGNED BY	JLLM
CHECKED BY	ESD
PROJECT MANAGER	ESD
DATE	9/3/199

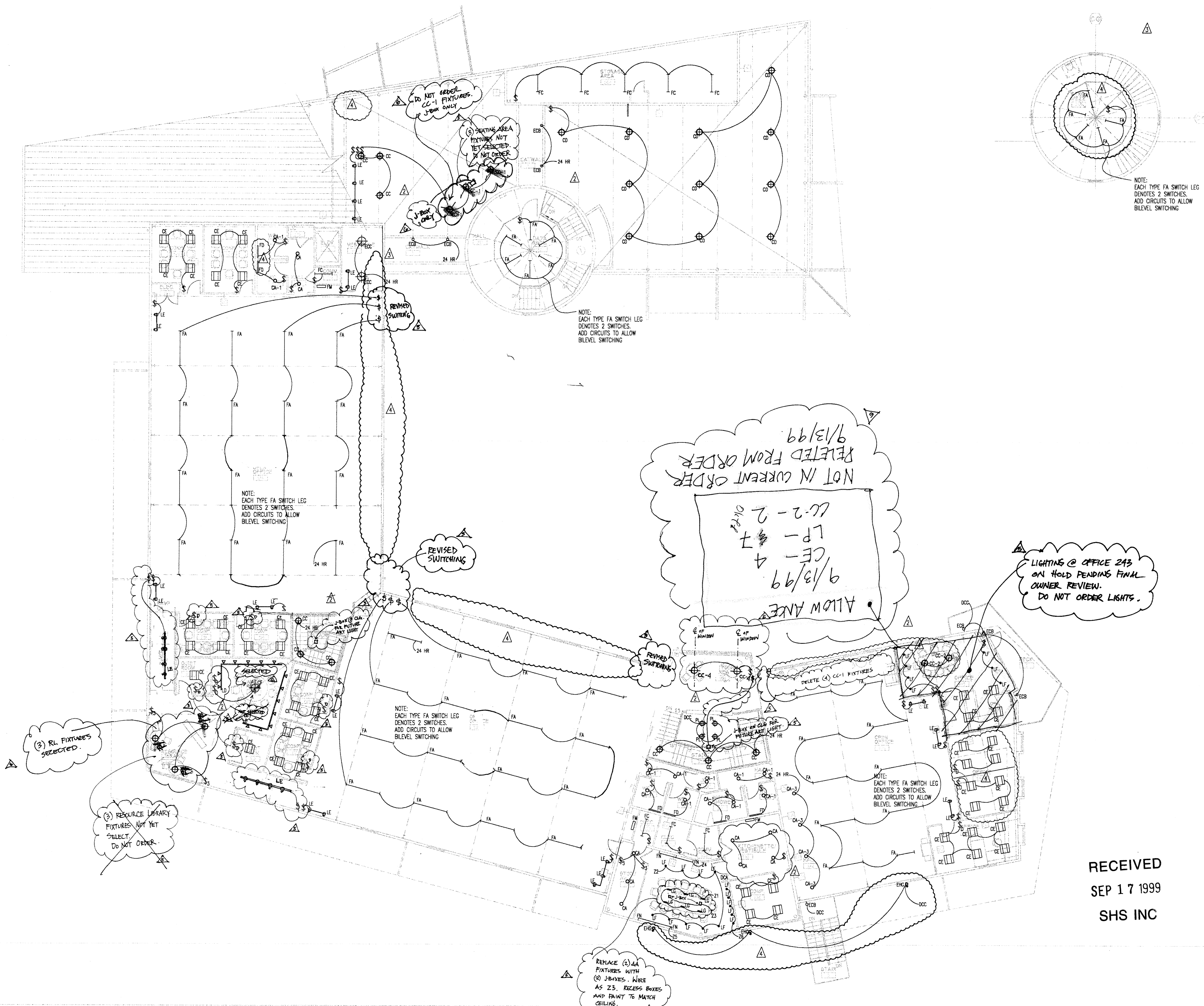
**J. MILLER & ASSOCIATES, LTD.**  
Lighting Designers & Consultants

184 Third Avenue, Suite 200, Seattle, WA 98101  
Telephone: (206) 463-3377 Fax: (206) 463-3399  
www.jma.com

RECEIVED  
SEP 17 1999  
SHS INC

FLOOR	FIRST LEVEL
TYPE	LIGHTING PLAN
NO.	LI.1
DATE	24. August 1999





SCALE 1/8" = 1'-0"

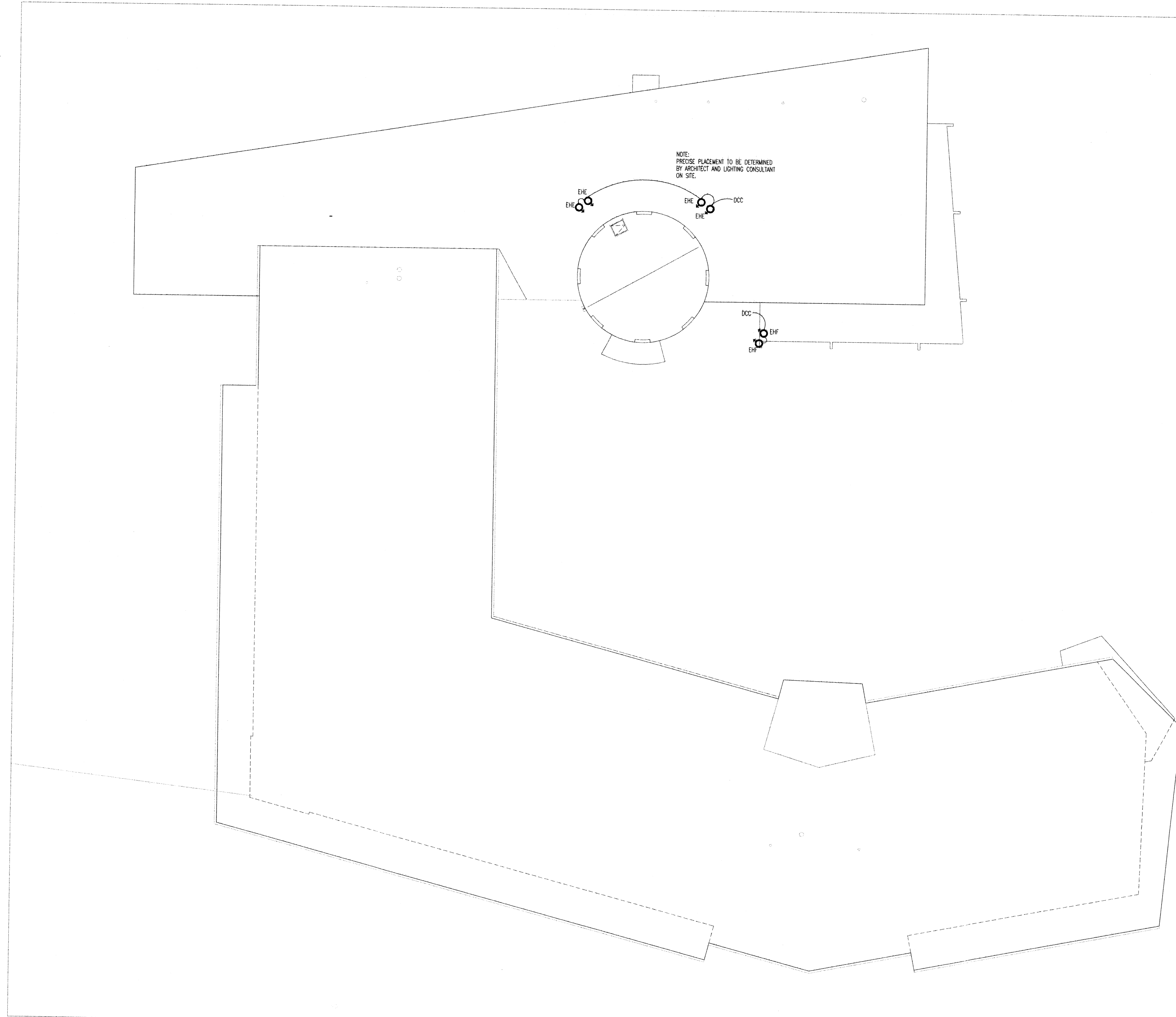
NO.	DATE	REVISION
1	5/7/99	ADDendum 1
2	5/19/99	ADDendum 2
4	8/24/99	PR #57
5	9/8/99	PR #07 REV. 1
6	9/16/99	PR #07 REV. 2

PROJECT NO.	5177899
PROJECT NAME	SUN HEALTHCARE SYSTEMS, INC. CORPORATE CAMPUS
PROJECT ADDRESS	10000 10TH AVENUE, ANACORTES, WA 98021
DATE	9/16/99
DRAWN BY	KBJ/K
CHECKED BY	

**J. MILLER & ASSOCIATES, LTD.**  
Lighting Designers & Consultants  
1904 Third Avenue, Suite 200, Seattle, WA 98101  
Tel: (206) 461-2844 Fax: (206) 461-7000  
www.jmillerandassociates.com

RECEIVED  
SEP 17 1999  
SHS INC

PROJECT NO.	5177899
PROJECT NAME	SUN HEALTHCARE SYSTEMS, INC. CORPORATE CAMPUS
PROJECT ADDRESS	10000 10TH AVENUE, ANACORTES, WA 98021
DATE	9/16/99
DRAWN BY	KBJ/K
CHECKED BY	
DATE	9/16/99
COMPUTED FILE NAME	
PROJECT NUMBER	
DATE	9/16/99
COMPUTED FILE NAME	
PROJECT NUMBER	
DATE	9/16/99
COMPUTED FILE NAME	
PROJECT NUMBER	
DATE	9/16/99
COMPUTED FILE NAME	



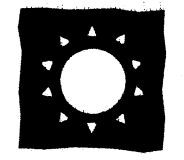
NOTE:  
PRECISE PLACEMENT TO BE DETERMINED  
BY ARCHITECT AND LIGHTING CONSULTANT  
ON SITE.

EHE  
EHE  
EHE  
DCC  
EHE  
EHE

DCC  
EHF  
EHF

**M**  
MITHUN  
PARTNERS  
414 OLIVE WAY  
SUITE 200  
SEATTLE, WA 98101  
(206) 465-2844  
FAX (206) 465-7844  
ARCHITECTURE  
PLANNING  
INTERIOR DESIGN

**SUN HEALTHCARE SYSTEMS, INC.**  
CORPORATE CAMPUS  
ANACORTES, WASHINGTON



SCALE 1/8"=1'-0"  
DATE: 02/09/99

OWNER IN CHARGE  
J.M.M.  
PROJECT ARCHITECT  
S.P.D.  
PROJECT ARCHITECT  
K.B.  
DATE

**J. MILLER & ASSOCIATES LTD.**  
Lighting Designers & Consultants  
1044 Third Avenue, Suite 200, Seattle, WA 98101  
Telephone: 206.361.8177 Fax: 206.361.8088  
Email: jstoron@jmlighting.com

ROOF LEVEL  
LIGHTING PLAN

201  
PROJECT NO.  
February 9, 1999  
DATE

LI.3



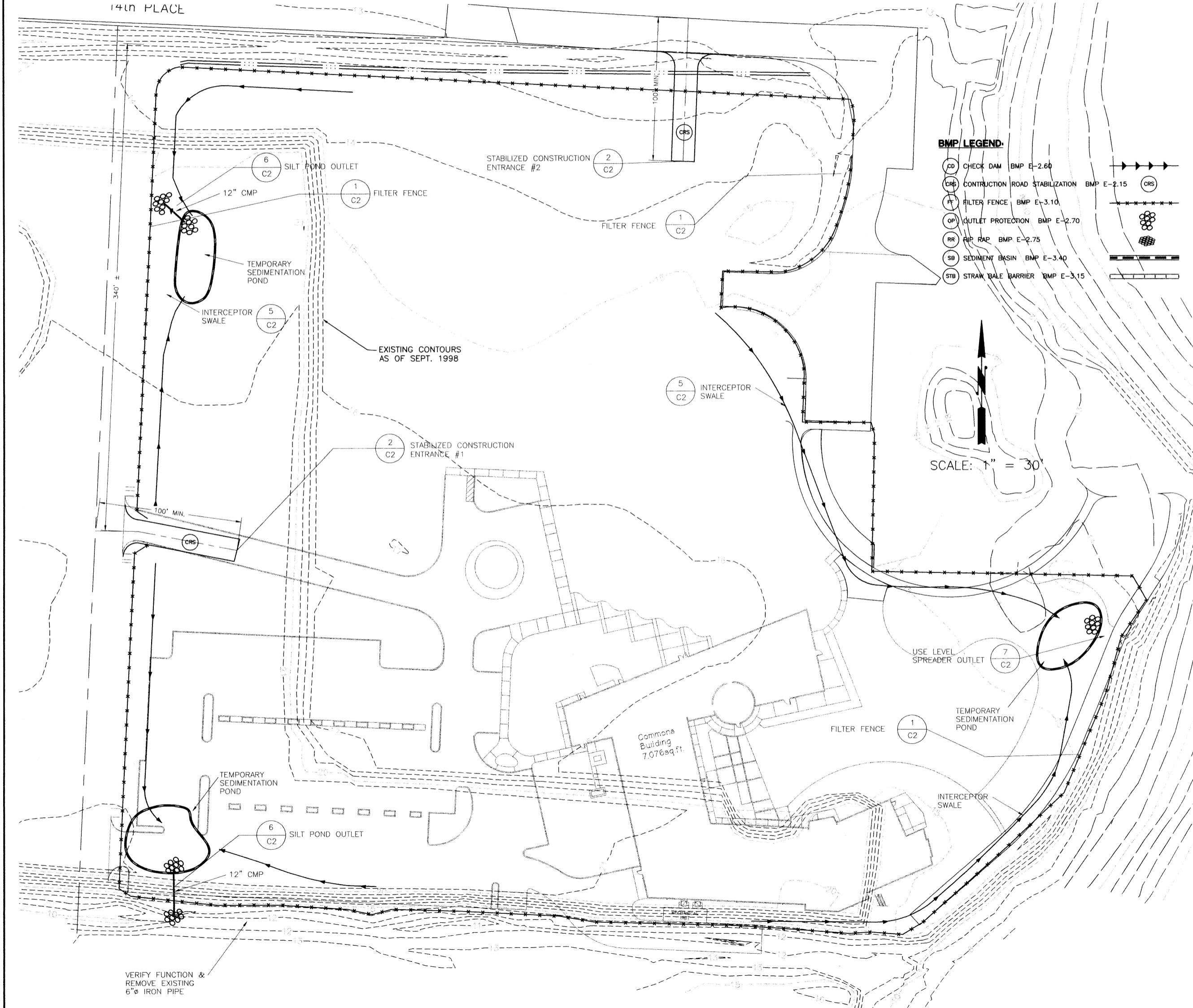
**CONSTRUCTION SEQUENCE**

1. CALL FOR A PRECONSTRUCTION MEETING WITH THE CITY INSPECTOR PRIOR TO STARTING ANY WORK.
2. MARK CLEARING LIMITS AS SHOWN WITH ORANGE CONSTRUCTION FENCING.
3. INSTALL TEMPORARY ROCKED CONSTRUCTION ENTRANCE.
4. CLEAR AND GRUB SITE, INSTALL FILTER FENCE AND TEMPORARY INTERCEPTOR DITCHES AS CONSTRUCTION ACTIVITIES PROGRESS. ADDITIONAL FILTER FENCE MAY BE REQUIRED AROUND THE PERIMETER TO PREVENT SILT LADEN WATER FROM LEAVING THE SITE.
5. CLEAR AND INSTALL TEMPORARY SEDIMENT PONDS.
6. ROUGH GRADE ROADWAYS AND CONSISTENT WITH THE SEQUENCING OF THE GRADING AS SHOWN ON SHEET C3, PLACE THE GEO-FABRIC AT ELEVATIONS NOT TO EXCEED 15.00.
7. FOLLOW THE STEP BY STEP PROCEDURE CALLED OUT ON SHEET C3 REGARDING THE FABRIC PLACEMENT, BE ESPECIALLY CAREFUL IN THE PLACEMENT OF THE CLAY LINERS FOR THE BIO-FILTRATION SWALES.
8. INSTALL UTILITIES AND PERMANENT STORM DRAINAGE ELEMENTS.
9. COMPLETE THE ROUGH GRADING OF ALL AREAS, BEING CAREFULL TO COMPACT FILL AREAS PER THE APPROVED CLEARING AND GRADING PERMIT.
10. FINE GRADE AND PAVE THE ROADWAYS AND THE PARKING AREAS.
11. HYDROSEED AND MULCH ALL EXPOSED AREAS.
12. REMOVE TEMPORARY EROSION CONTROL FACILITIES ONLY AFTER ENTIRE SITE IS STABILIZED, THE POTENTIAL FOR EROSION HAS PASSED, AND THE CITY HAS APPROVED.
13. CLEAN ANY SILT WHICH HAS ACCUMULATED IN THE PERMANENT STORM DRAINAGE SYSTEM, THE BIO-FILTRATION SWALES ON SITE, AND THE BIO-FILTRATION SWALES ALONG PROPERTIES NORTH LINE.

**GENERAL NOTES**

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SKAGIT COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION/AMERICAN PUBLIC WORKS ASSOCIATION 1998 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, THE CITY OF ANACORTES STANDARD PLANS AND SPECIFICATIONS, AND THE 1989 W.S.D.O.T. HYDRAULICS MANUAL.
2. ALL WORK PERTAINING TO THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY PUBLIC WORKS DEPARTMENT AT (360) 293-1919 TO SCHEDULE A PRECONSTRUCTION CONFERENCE.

3. PRIOR TO ANY SITE DISTURBING ACTIVITY INCLUDING CLEARING, LOGGING OR GRADING, THE SITE CLEARING LIMITS AS SHOWN ON THESE PLANS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR. THE PROJECT SURVEYOR'S NAME AND TELEPHONE NUMBER ARE LEONARD, BOUDINOT & SKODJE, INC. (360) 336-5751.
- THE OWNER IS RESPONSIBLE FOR ENSURING WATER QUALITY DURING CONSTRUCTION AND SHALL RETAIN A REGISTERED CIVIL ENGINEER TO MONITOR WATER QUALITY. THE ENGINEER SHALL RECOMMEND CHANGES OR MODIFICATIONS TO THE APPROVED TESC PLAN AS REQUIRED BY SITE CONDITIONS ENCOUNTERED. PRIOR TO SCHEDULING THE REQUIRED PRE-CONSTRUCTION MEETING WITH THE CITY, THE OWNER SHALL PROVIDE THE CITY WITH DOCUMENTATION THAT AN ENGINEER HAS BEEN RETAINED FOR THE PURPOSE OF MONITORING WATER QUALITY DURING CONSTRUCTION.
5. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
6. ALL SITE WORK IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FROM THESE PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, ENGINEER AND APPROPRIATE PUBLIC AGENCIES.
7. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF CONFLICTS ARE FOUND.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23 - TRAFFIC CONTROL SHALL APPLY.
9. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR CITY OF ANACORTES APPROVAL.
10. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO INITIATING WORK. THE CONTRACTOR/OWNER SHALL NOTIFY SCHEMMER ENGINEERING INC. AND THE CITY ENGINEER WHEN CONFLICTS OCCUR BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
11. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY UTILITY RELOCATIONS.
12. SURVEY MONUMENTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF ANACORTES STANDARDS PER THEIR TYPICAL MONUMENT DETAIL.

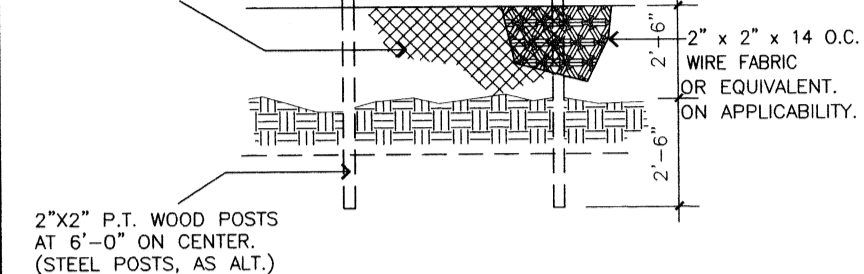


**TESC NOTES:**

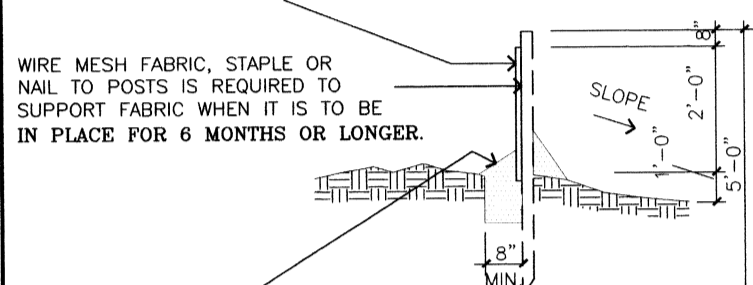
1. APPROVAL OF THIS TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN.
2. THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF ORANGE CONSTRUCTION FENCING PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/TESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
5. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS.
6. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/TESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE TESC FACILITIES DURING THE WET SEASON (OCT. 1 TO MARCH 31) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (APRIL 1 TO SEPT. 30).
7. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH APPROVED TESC METHODS (SEEDING, MULCHING, PLASTIC COVERING, ETC.).
8. ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS OF A STORM EVENT.
10. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY.
13. SPECIAL INSPECTION FOR EXCAVATION, GRADING AND FILLING IS REQUIRED IN ACCORDANCE WITH 1991 UBC SEC 30 (A) 13.
14. FINAL REPORT (AS BUILT DRAWINGS) SHALL BE SUBMITTED TO THE CITY OF ANACORTES UPON COMPLETION OF WORK IN ACCORDANCE WITH THE CITY OF ANACORTES AS-BUILT REQUIREMENTS.
15. ALL GEOTECHNICAL INSPECTION NOTES SHALL BE PROVIDED TO THE CITY OF ANACORTES ON A WEEKLY BASIS FOR REVIEW BY THE CITY'S ENGINEER.

DESIGNED	JAS	7/6/98	REVISIONS	DATE	BY
DRAWN	SBK	7/14/98	REVISED PER CITY REVIEW		
CHECKED	JAS		REVISED PER ARCHITECT REVIEW		
			DATE: 5/14/99		
<b>SUN SYSTEMS, INC.</b> 1004 COMMERCIAL AVENUE, SUITE 152 ANACORTES, WA 98021-4183 (360) 293-1960					
<b>CLEARING, GRADING &amp; TESC PLAN</b>					
JOB NO.		98-012			
SHEET		C1			
		1 OF 11			

NON-WOVEN SEDIMENT CONTROL FABRIC MATERIAL, 60" WIDE ROLLS, USE STAPLES OR WIRE RINGS TO ATTACH FABRIC TO WIRE.

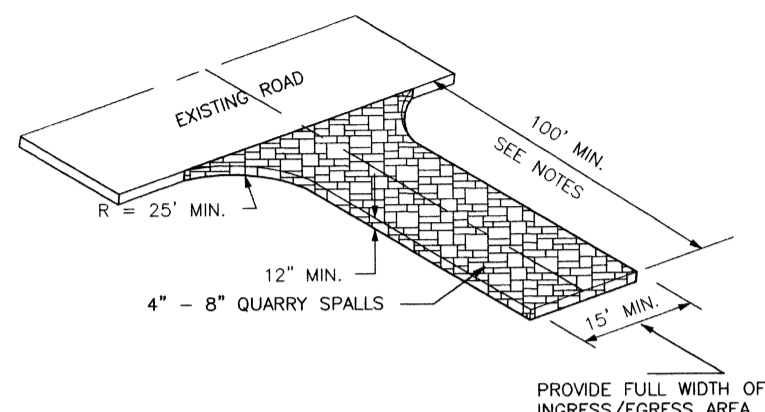


NON-WOVEN SEDIMENT CONTROL FABRIC



BACKFILL 8"x12" TRENCH W/NATIVE SOIL, AND ON BOTH SIDES OF FILTER FABRIC ON THE SURFACE.

1 FILTER FENCE  
NO SCALE BMP E3.10

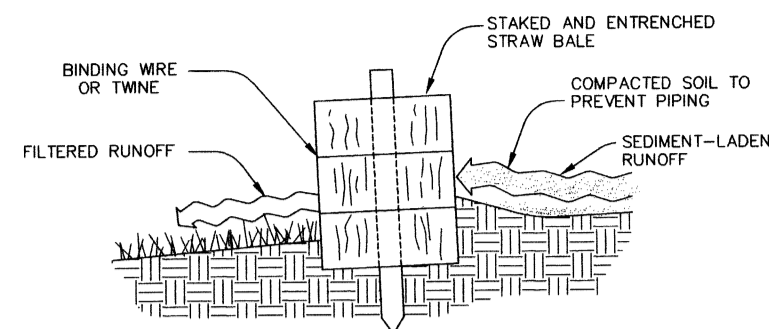


PROVIDE FULL WIDTH OF INGRESS/EGRESS AREA

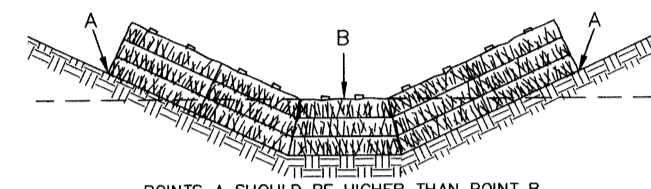
NOTES:

- 1) 100' MINIMUM LENGTH. MAY BE REDUCED TO 50' MINIMUM FOR SITES WITH LESS THAN ONE ACRE OF EXPOSED SOIL.
- 2) ALL MUD AND DEBRIS TRACKED ONTO EXISTING ASPHALTED ROADWAYS SHALL BE SWEEP/CLEANED UP AFTER EACH DAYS WORK, OR AS REQUESTED BY THE PROJECT ENGINEER AND/OR THE CITY INSPECTOR.

2 STABILIZED CONSTRUCTION ENTRANCE  
NO SCALE



CROSS-SECTION OF PROPERLY INSTALLED STRAW BALE BARRIER

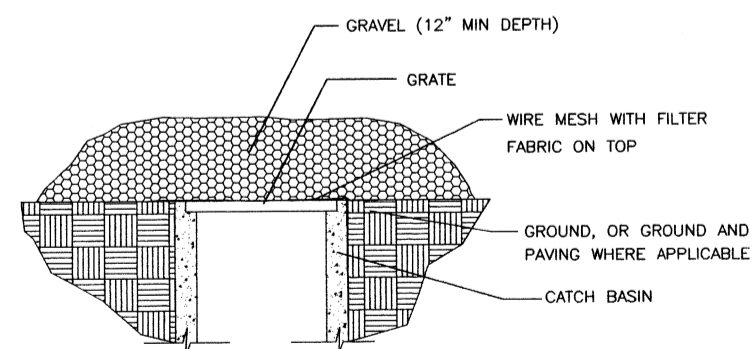


PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY

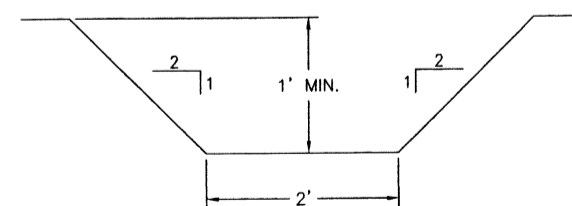
STRAW BALE BARRIERS

1. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS, AND UNDERCUTTING BENEATH BALES.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

3 STRAW BALE BARRIER  
NO SCALE

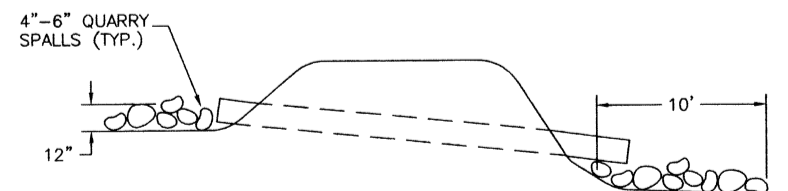
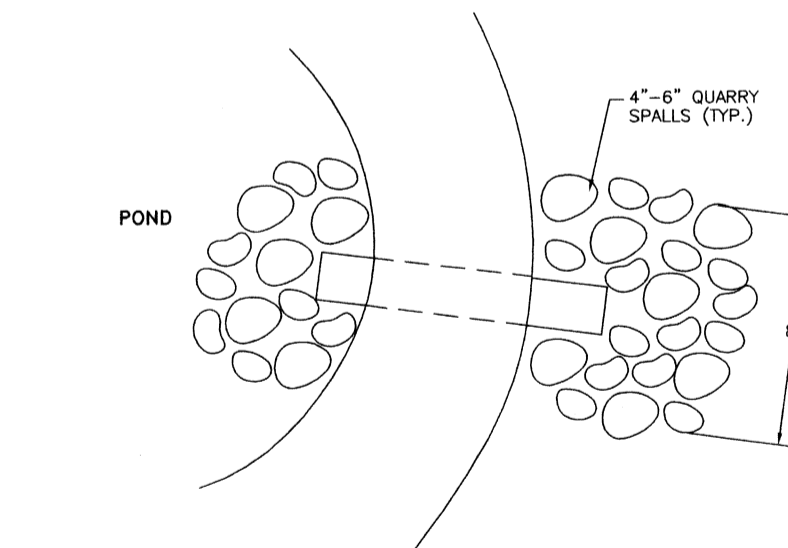


4 INLET PROTECTION  
NO SCALE



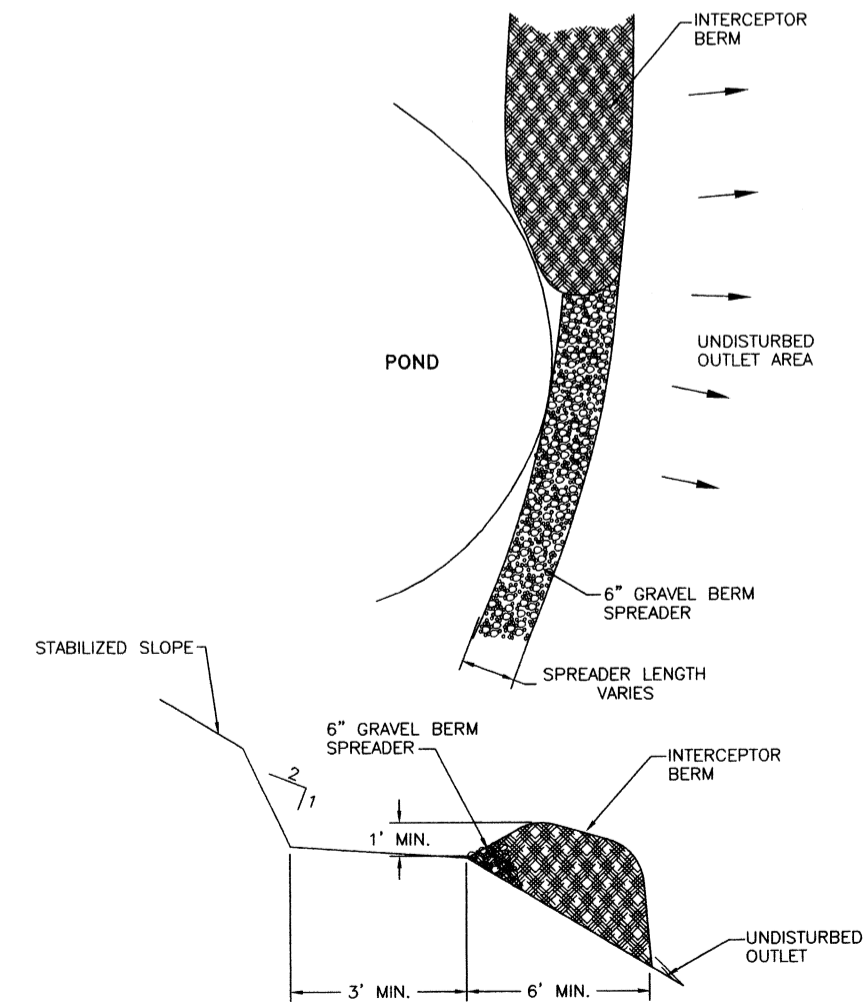
NOTE:  
SEED PER BMP E-1.10, OUTLET TO TEMPORARY SEDIMENTATION POND. RIPRAP AT POND.

5 TEMP ON-SITE INTERCEPTOR SWALE  
NO SCALE



NOTE:  
4"-6" QUARRY SPALLS PER SECTION 9-13.1 OF WSDOT/APWA STANDARD SPECIFICATIONS  
GRADATION: PASS 8" SQUARE SIZE 100%  
PASS 6" SQUARE SIZE 40-60%  
PASS 2" SQUARE SIZE 0-10%

6 TEMPORARY SILT POND OUTLET  
NO SCALE



7 LEVEL SPREADER OUTLET  
NO SCALE BMP E2.50

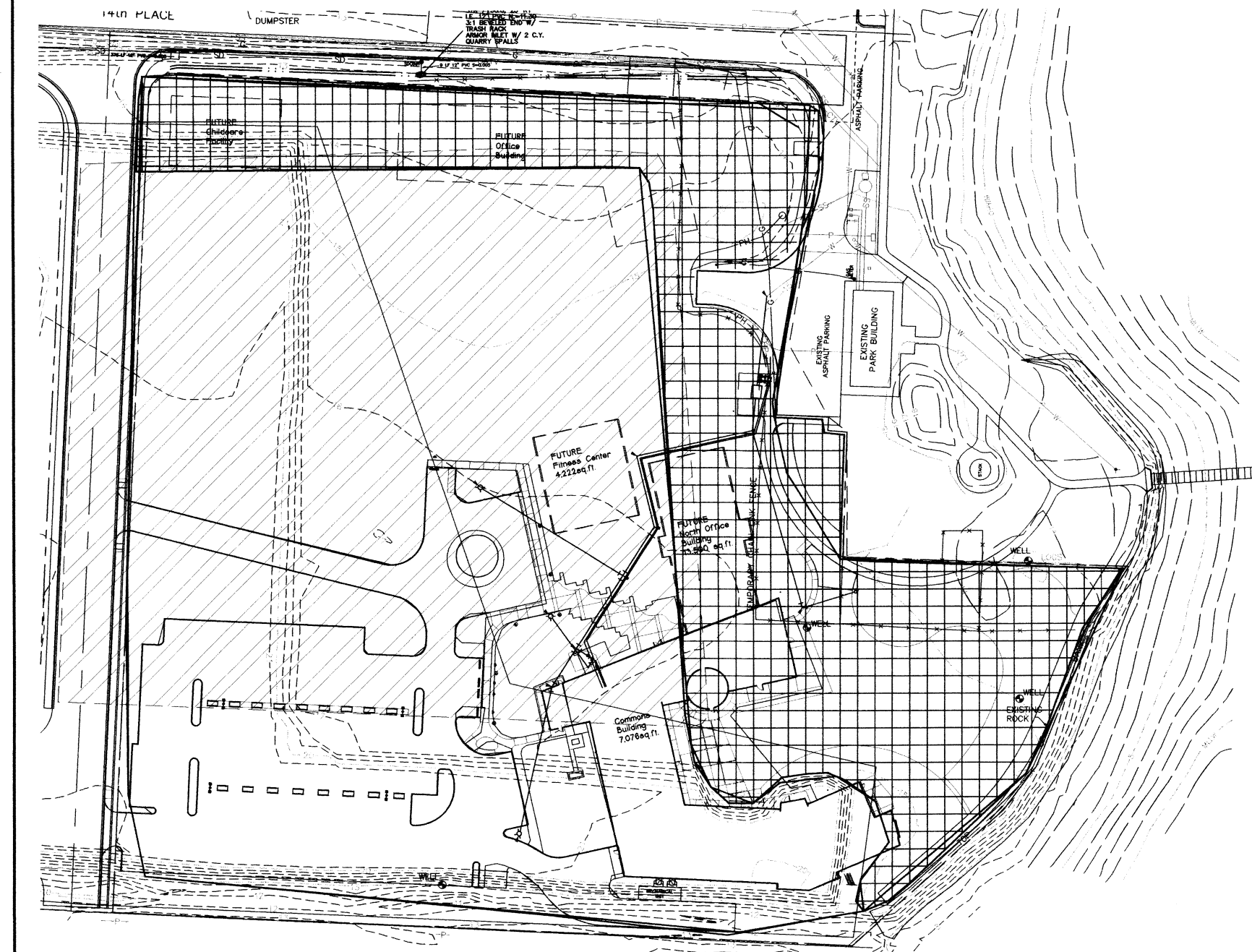
DESIGNED	JAS	2/8/98	REVISIONS	DATE	BY
DRAWN	SBK				
CHECKED	JAS				
DATE BY APP REVISIONS					



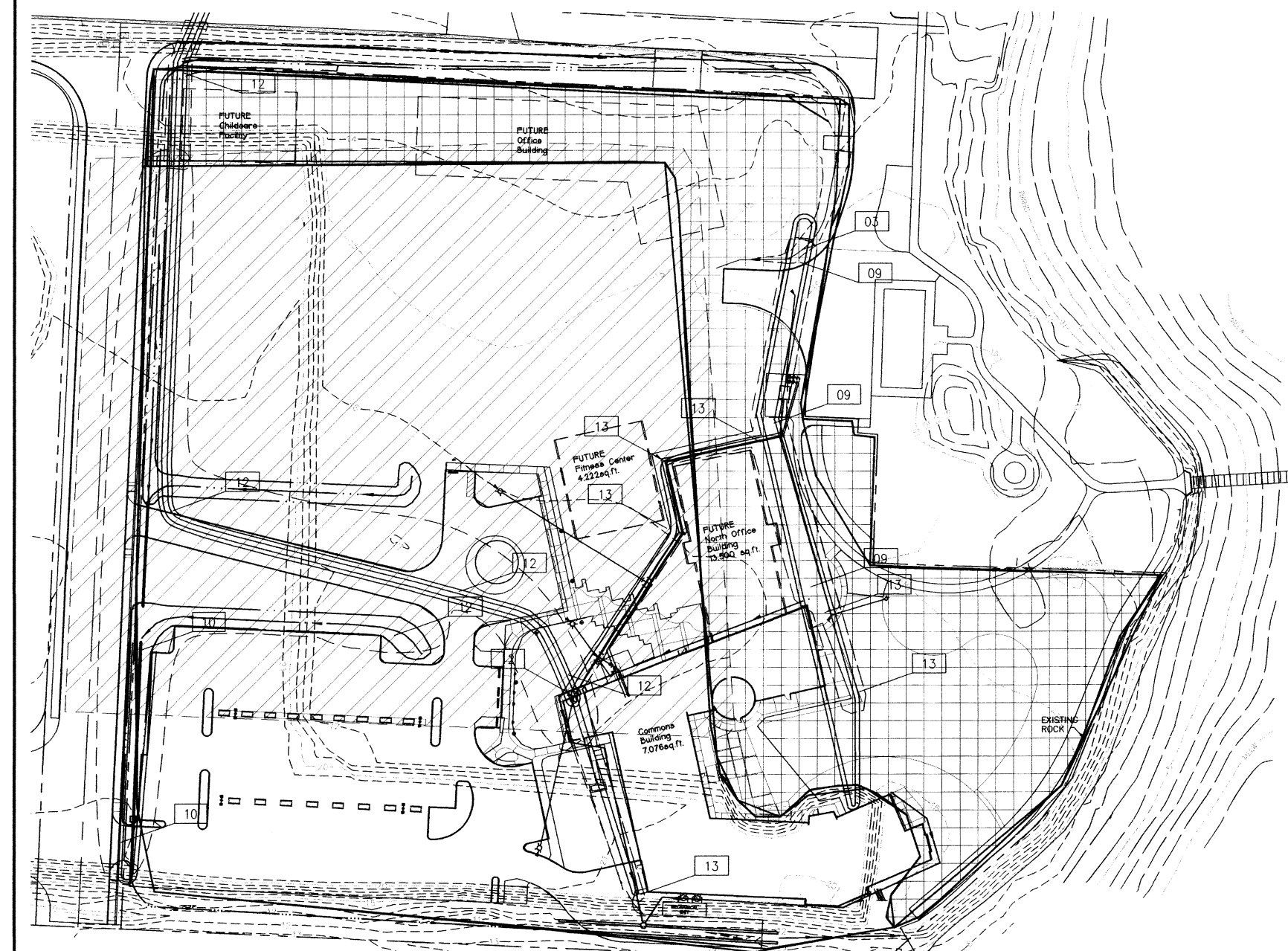
**SCHEMMER ENGINEERING INC.**  
1004 COMMERCIAL AVENUE, SUITE 155  
ANACORTES, WA 98221-4185 (360) 293-1980

**SUN SYSTEMS, INC.**  
TESC NOTES & DETAILS

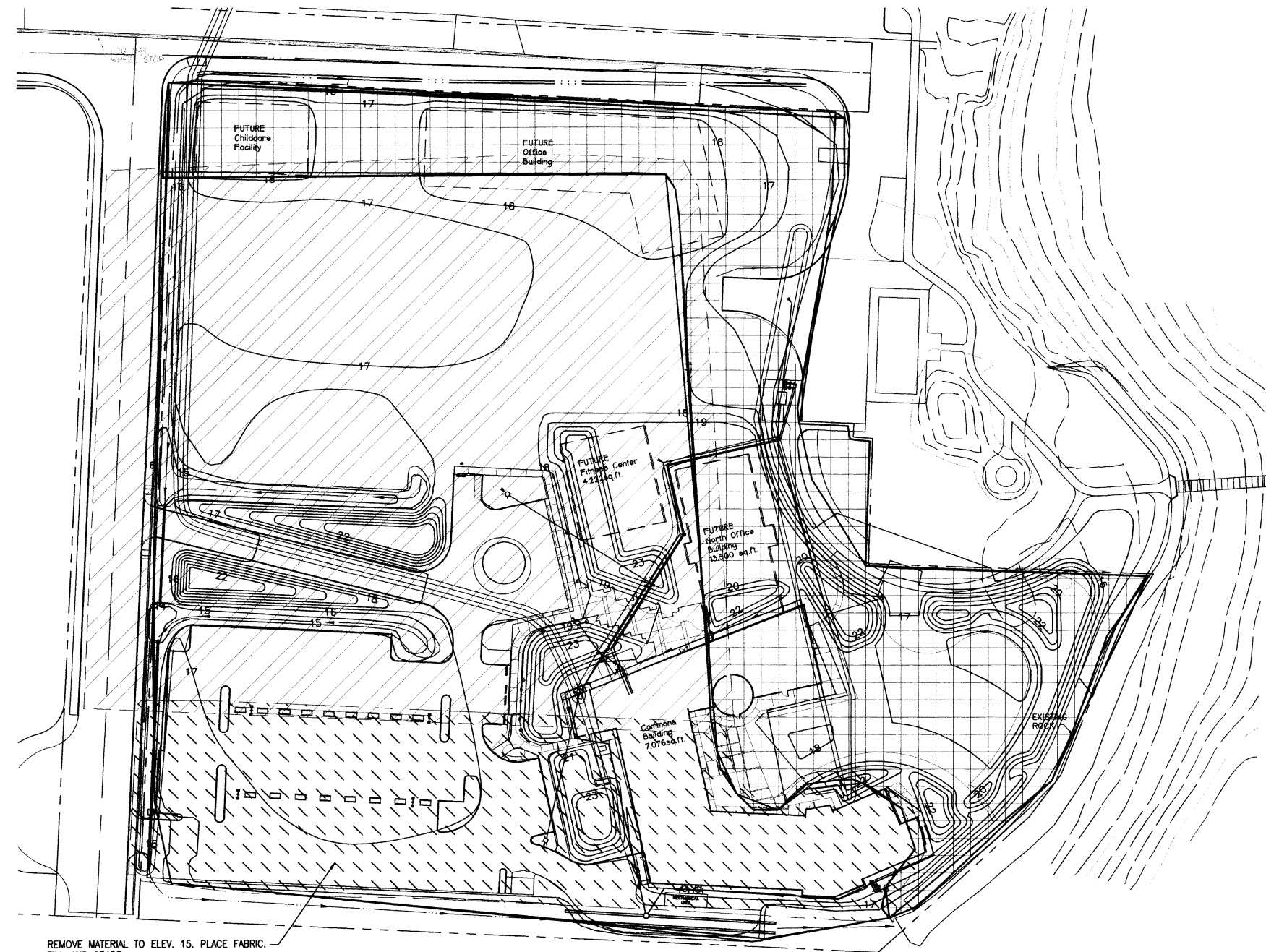
JOB NO.	98-012
SHEET	C2
	2 OF 11



**STEP #1**



**STEP #2**



**STEP #3**

**STEP # 1**  
 SHAPE AREA SUCH THAT SOIL ABOVE ELEVATION 15.0 IN AREA OF FABRIC #1 IS MOVED. NO ELEVATION TO REMAIN ABOVE ELEVATION 15.0  
 PLACE FABRIC PER SPECIFICATIONS IN AREA #1.  
 NOTE: EXISTING FABRIC OR FABRIC PLACED PER STEP #1 MAY BE RAISED AS LONG AS ELEVATION 15.0 IS NOT EXCEEDED.

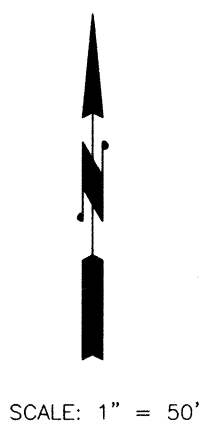
**STEP # 2**  
 AFTER FABRIC IS PLACED PER STEP #1, EXCAVATE CORRIDORS FOR UTILITIES, BIO-SWALE, AND STORM DRAINS AS SHOWN TO FINISH SUB-GRADE AND ELEVATIONS SHOWN. ALL EXCAVATION BELOW FABRIC (EXISTING FABRIC AND FABRIC #1) IS CONSIDERED UNSUITABLE. EITHER REMOVE FROM SITE OR PLACE ON SITE BELOW FABRIC AND BELOW ELEVATION 15.0.  
 AFTER CORRIDORS ARE EXCAVATED TO SUB-GRADE ELEVATIONS SHOWN, PLACE FABRIC PER DETAILS ON SHEET C-6 TO OVERLAP EXISTING FABRIC 2 FEET EACH SIDE AND FILL TO ROUGH GRADE.  
 EXCAVATION ABOVE EXISTING FILTER FABRIC MAY BE PLACED ABOVE ANY FABRIC ON SITE AND IS TO BE PLACED AND COMPACTED PER APPROVED SPECIFICATIONS FOR COMPACTION.

**STEP # 3**  
 EXCAVATE AREA SHOWN PER STEP #3 TO ELEVATION 15.0, AND PLACE FABRIC.  
 USE MATERIAL THAT IS EXCAVATED TO FILL ON-SITE AREAS THAT LIE ABOVE FABRIC AND COMPACT TO SPECIFIED DENSITIES.

**FINAL STEPS TO COMPLETE ROUGH GRADING**  
 IMPORT BORROW AS REQUIRED FROM OFFSITE AREA AND COMPACT AS SPECIFIED.  
 ESTABLISH SUBGRADES THROUGHOUT PLANTING, SEEDING AND LANDSCAPE BERM AREAS AS SPECIFIED IN SECTION 02920, SOIL PREPARATION.

**LEGEND**

	EXISTING FILTER FABRIC
	PROPOSED FILTER FABRIC #1
	PROPOSED FILTER FABRIC #2
	ELEV. AT BASE OF EXCAVATION



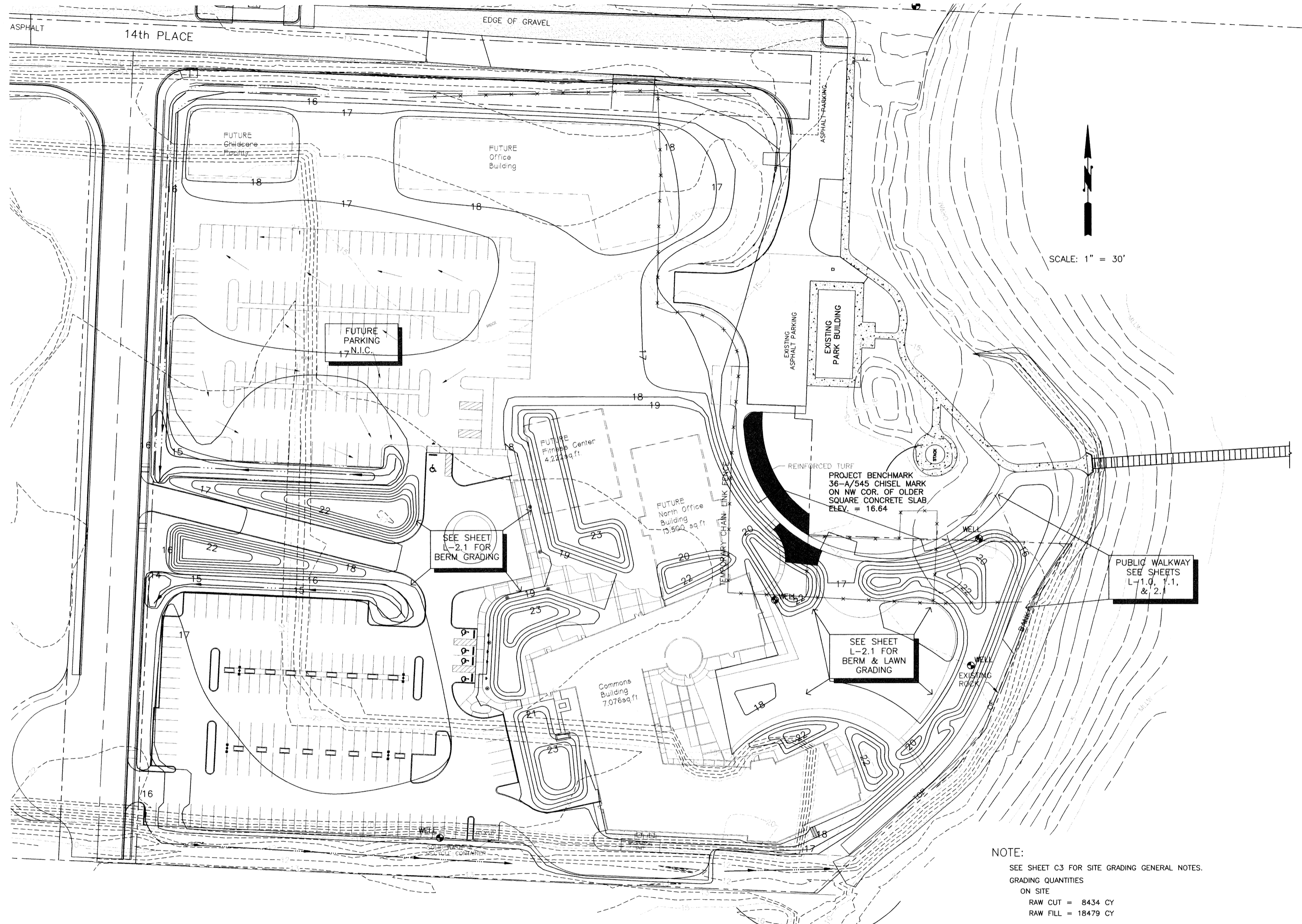
**SITE GRADING GENERAL NOTES**  
 ALL VEGETATION MATERIALS AND UNSUITABLE SOIL SHALL BE REMOVED FROM FILL AREAS PRIOR TO PLACEMENT OF FILL.  
 ALL GRADE AND FILL IS TO BE DONE SO AS TO SATISFY THE REQUIREMENTS PER APPENDIX CHAPTER 33, UNIFORM BUILDING CODE. (EXCAVATION & GRADING)

DESIGNED	JAS	3/4/99	REVISED PER CITY REVIEW
DRAWN	SBK		REVISED PER ARCHITECT REVIEW
CHECKED	JAS		
DATE	5/14/99		

**SCHEMMER ENGINEERING INC.**  
 1004 COMMERCIAL AVENUE, SUITE 152  
 ANACORTES, WA 98221-4165 (360) 293-1960

**SUN SYSTEMS, INC.**  
**SITE PLAN FOR FABRIC PLACEMENT**  
**SEQUENCING PLAN - GRADING**

JOB NO.	98-012
SHEET	C3
	3 OF 11



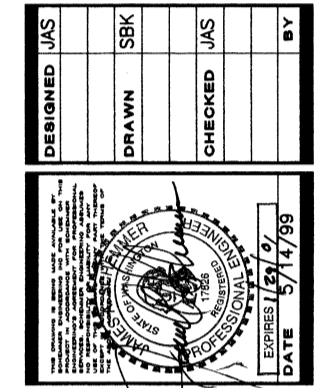
**NOTE:**

SEE SHEET C3 FOR SITE GRADING GENERAL NOTES.  
 GRADING QUANTITIES  
 ON SITE  
 RAW CUT = 8434 CY  
 RAW FILL = 18479 CY

**LEGEND:**

- - - - - EXISTING CONTOURS
- PROPOSED CONTOURS
- x - x - TEMPORARY CHAINLINK FENCE

DESIGNED	JAS	3/1/99	REVISED PER CITY REVIEW
DRAWN	SBK		REVISED PER ARCHITECT REVIEW
CHECKED	JAS		
DATE	5/14/99		

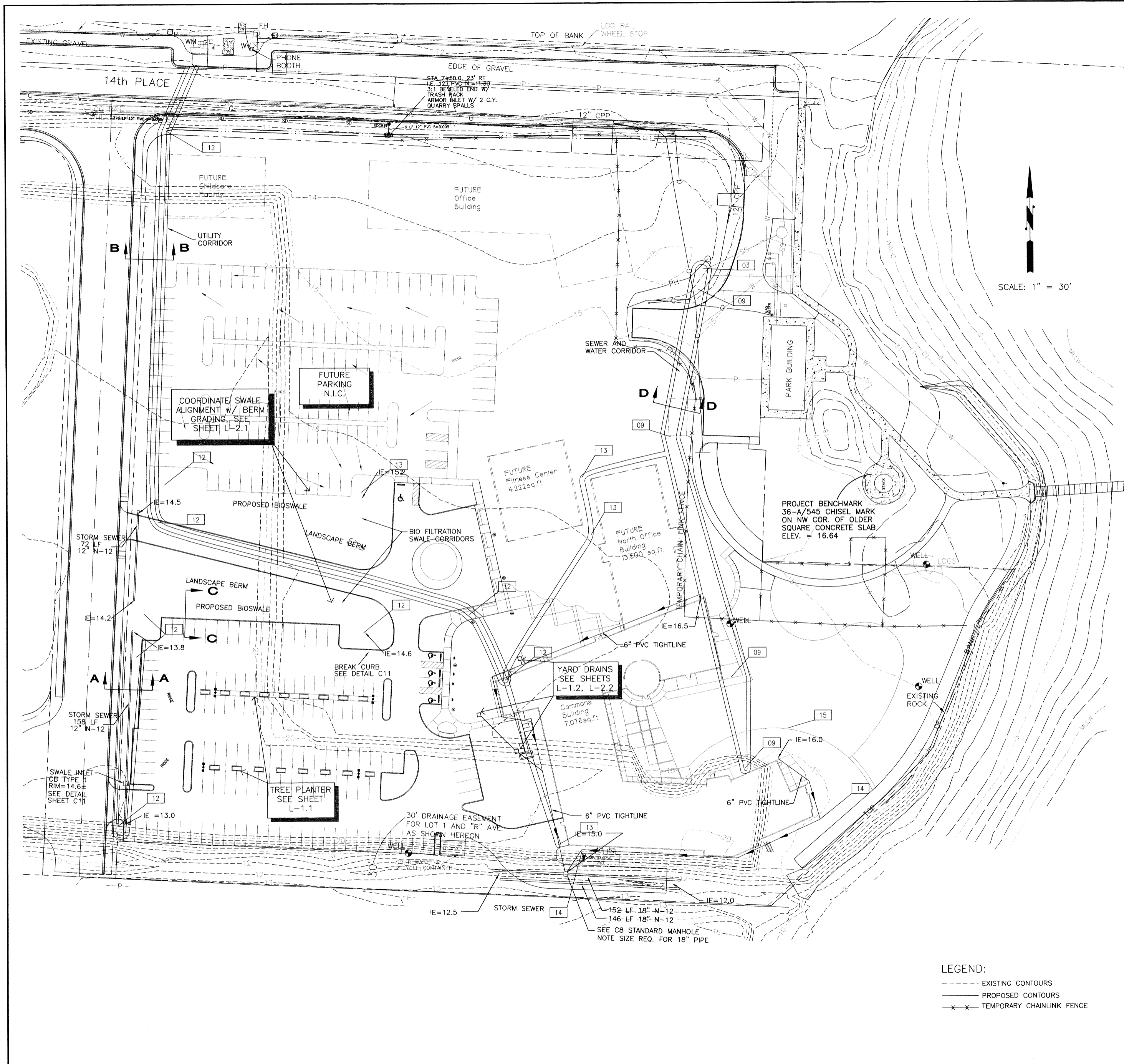


**SUN SYSTEMS, INC.**  
 1004 COMMERCIAL AVENUE, SUITE 152  
 ANACORTES, WA 98221-4183 (360) 293-1960

**SUN SYSTEMS, INC.**

**GRADING PLAN FINISH**

JOB NO.	98-012
SHEET	C4
	4 OF 11



NOTE:  
SEE SHEET C-6 FOR SECTIONS

LEGEND:  
xx EXCAVATION ELEVATION

STORM SEWER NOTES

1. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT 7-02.3(1) AND CITY OF ANACORTES STANDARDS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
2. ALL CATCH BASINS ARE TO BE TYPE I UNLESS OTHERWISE NOTED.
3. FRAME AND GRATES ARE TO BE FLAT CURB FRAME AND GRATE UNLESS OTHERWISE NOTED.
4. RIPRAP SHALL BE IN ACCORDANCE WITH SECTION 9-13.1 OF THE WSDOT / APWA STANDARD SPECIFICATIONS. RIPRAP TO BE REASONABLY WELL GRADED WITH ROCK GRADATION AS FOLLOWS:  
  
PASSING 8" SQUARE SIEVE 100% OR MAX 8"  
PASSING 6" SQUARE SIEVE 40-60% OR MED 6"  
PASSING 2" SQUARE SIEVE 0-10% OR MIN 2"

PIPE SPECIFICATIONS

1. PLACEMENT REQUIREMENTS FOR CULVERTS AND STORM SEWER INSTALLATION SHALL BE AS INDICATED IN THE WSDOT APWA SPECIFICATIONS SECTIONS 7-02 AND 7.04, RESPECTIVELY, AND ASHTO SPECIFICATIONS. PIPE MATERIALS SHALL COMPLY WITH SECTION 9-05 OF THE WSDOT APWA SPECIFICATIONS WITH THE FOLLOWING CLARIFICATIONS:  
  
DOUBLE WALLED (SMOOTH INTERIOR) CORRUGATED POLYETHYLENE PIPE, MEETING THE REQUIREMENTS OF ASHTO M 252 IN 8 INCH SIZE AND ASHTO M 294 S IN SIZES 12" THROUGH 36", IS AN ACCEPTABLE ALTERNATIVE FOR SCHEDULE A CULVERT PIPE, AS SHOWN ON WSDOT / APWA STANDARD PLAN B-17 AND FOR STORM SEWERS IN ACCORDANCE WITH THESE STANDARDS.

THE ENDS OF THE PIPE SHALL BE BEVELED TO MATCH THE SLOPE. FOR ANY PIPE LENGTH SECTION THAT IS TO BE BEVELED ON THE END, THE MINIMUM LENGTH OF THE UNBEVELED PORTION OF THE PIPE SHALL BE 6 FEET.

THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THESE STANDARDS.

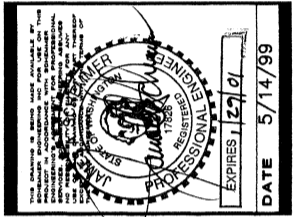
2. ALL FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED AND FURNISHED BY THE PIPE SUPPLIER.
3. THE CONTRACTOR SHALL PLACE METALLIC TAPE OVER ALL CPEP. THE METALLIC TAPE SHALL BE MINIMUM OF 2 INCHES IN WIDTH AND PLACED CONTINUOUSLY THE LENGTH OF THE STORM DRAIN PIPE.
4. ALL STORM DRAIN PIPE SHALL BE BEDDED WITH GRANULAR MATERIAL PER A.P.W.A. SPECIFICATIONS.
5. FOOTING DRAINS, ROOF DOWNSPOUTS AND CURTAIN DRAINS ARE TO BE CONNECTED TO THE STORM DRAINAGE SYSTEM.

DRAIN PIPE AND FITTINGS MAY BE PVC ASTM D3034 SDI 35 OR EQUIVALENT PER THE REQUIREMENTS OF ASHTO M252 FOR 3 THROUGH 10" DIAMETER. ALL FITTINGS SHALL BE OF LIKE MATERIAL AS PIPE. ALL PIPE SHALL BE SUITABLE FOR USE AS A GRAVITY STORM DRAIN CONDUIT.

6. CATCH BASINS SHALL CONFORM TO TYPE I, TYPE II OR INLET TYPE AS DEFINED IN SAID A.P.W.A. STANDARD SPECIFICATIONS AND STANDARD PLANS WITH FLAT TOP FRAME AND GRATE.
7. CATCH BASINS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS. PROVIDE TWELVE INCH MINIMUM CLEARANCE FROM TOP OF CATCH BASIN TO FINISH GRADE.
8. THE CAST IRON FRAME MAY BE PLACED FLANGE DOWN ON ADJUSTMENT BLOCKS IN LIEU OF PRECAST COLLAR. THE INSTALLATION OF CATCH BASINS SHALL INCLUDE FINAL ADJUSTMENT AS MAY BE REQUIRED TO FINISH GRADE.
9. CAST IRON FRAME FOR TYPE I CATCH BASINS SHALL ACCOMMODATE A 20 INCH X 24 INCH GRATE.

LEGEND:  
--- EXISTING CONTOURS  
--- PROPOSED CONTOURS  
-x-x- TEMPORARY CHAINLINK FENCE

DESIGNED	ML	SBK	ML	BY
DRAWN	ML	SBK	ML	BY
CHECKED	ML	SBK	ML	BY
DATE	5/14/99			

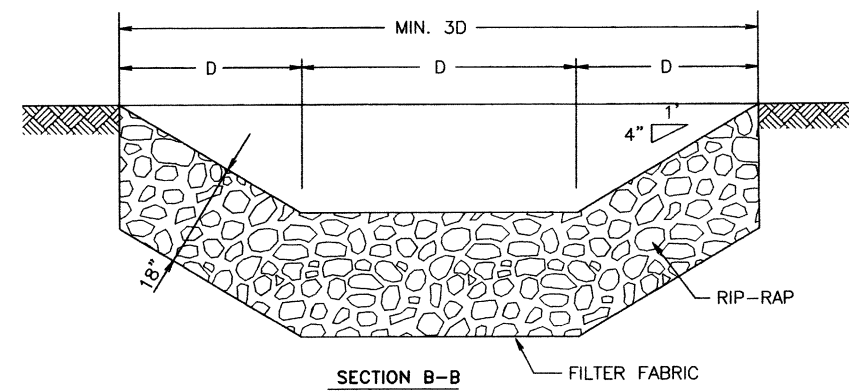
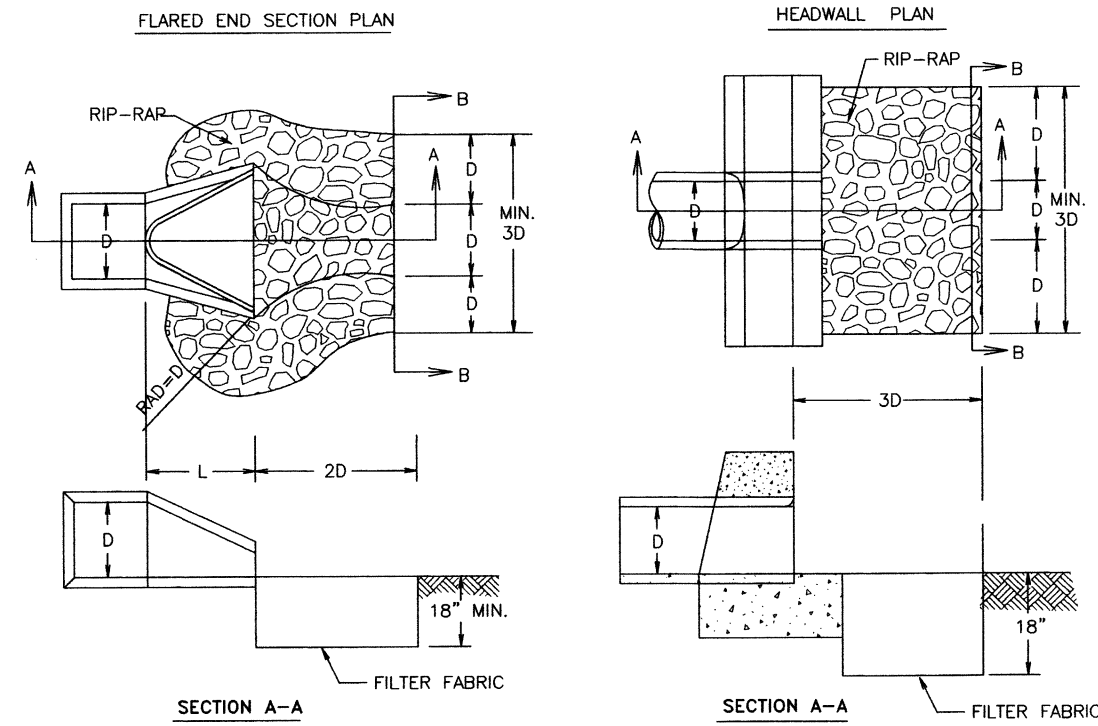


**SUN SYSTEMS, INC.**  
SCHEMWER ENGINEERING INC.  
1004 COMMERCIAL AVENUE, SUITE 152  
ANACORTES, WA 98221-4183 (360) 293-1980

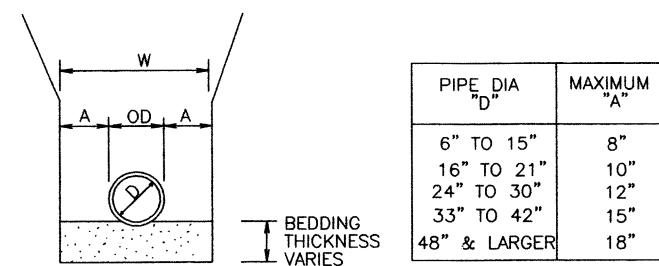
**SUN SYSTEMS, INC.**  
STORM SEWER AND  
GRADING PLAN BELOW FABRIC

JOB NO.	98-012
SHEET	C5
	5 OF 11





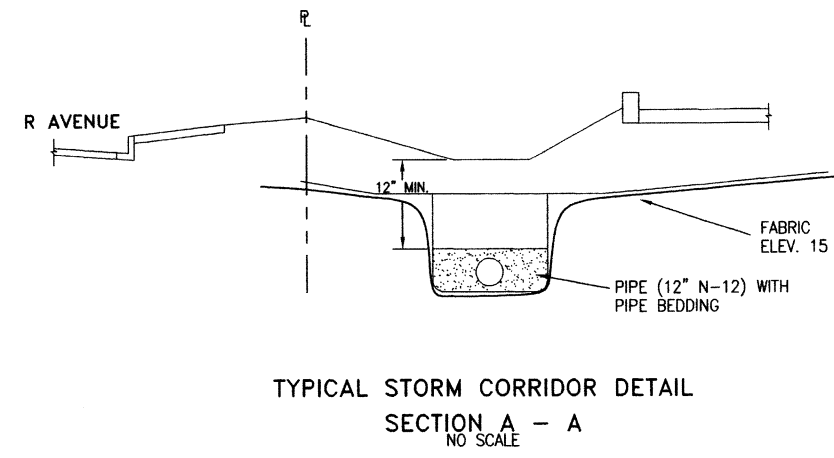
DISCHARGE AREA EROSION CONTROL DETAIL  
N.T.S.



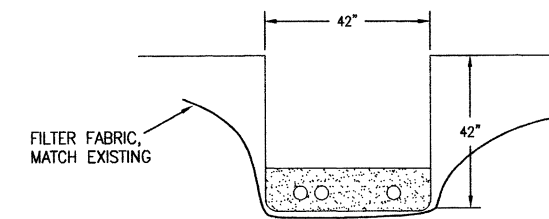
MAXIMUM TRENCH WIDTH "W"  
TAKEN AT TOP OF PIPE

NOTE: PROVIDE BEDDING IN ACCORDANCE WITH  
THE SPECIFICATIONS.

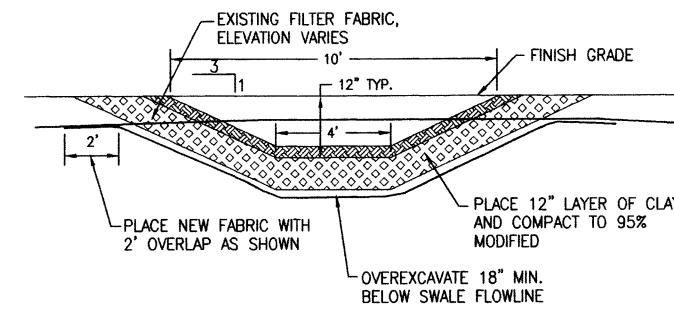
STANDARD PIPE TRENCH WIDTH  
N.T.S.



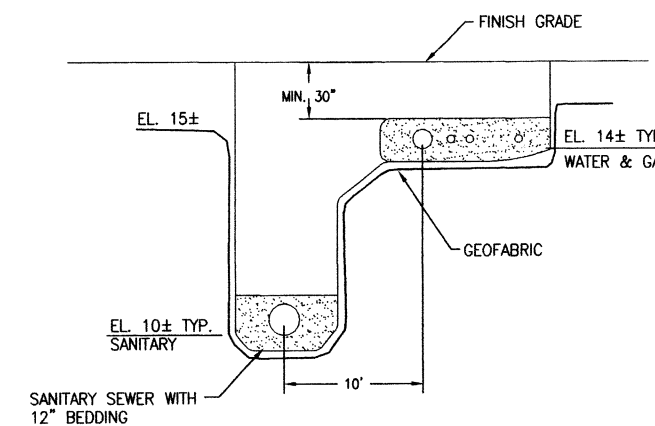
TYPICAL STORM CORRIDOR DETAIL  
SECTION A - A  
NO SCALE



TYPICAL UTILITY CORRIDOR DETAIL  
SECTION B - B  
NO SCALE



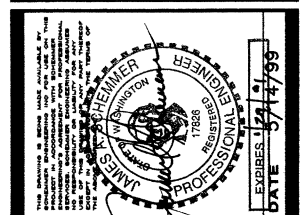
TYPICAL SWALE DETAIL  
SECTION C - C  
NO SCALE



SECTION D - D  
NO SCALE

DESIGNED	JAS	SBK	BY
DRAWN	JAS	SBK	BY
CHECKED	JAS	SBK	BY
DATE	1/17/93	DATE	1/17/93

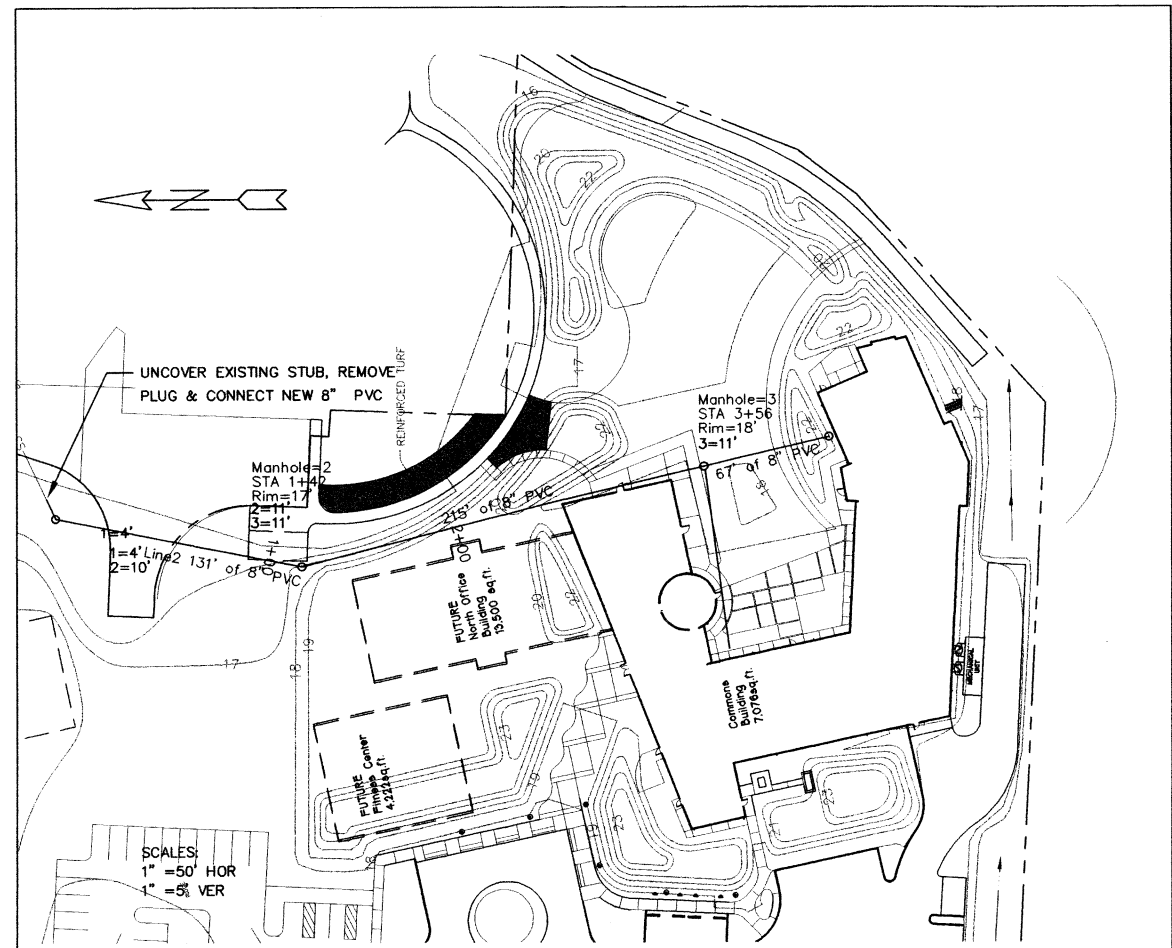
DESIGNED	JAS	SBK	BY
DRAWN	JAS	SBK	BY
CHECKED	JAS	SBK	BY
DATE	1/17/93	DATE	1/17/93



**SUN SYSTEMS, INC.**  
1004 COMMERCIAL AVENUE, SUITE 152  
ANACORTES, WA 98221-4183 (360) 293-1960

**SUN SYSTEMS, INC.**  
GRADING NOTES - MISC. DETAILS

JOB NO.	98-012
SHEET	C6
6	OF 11



30.00									30.00
25.00									25.00
20.00									20.00
15.00									15.00
10.00									10.00
5.00									5.00
0.00									0.00
-5.00									-5.00
-10.00									-10.00
-1+00	0+00	1+00	2+00	3+00	4+00	5+00			

**SANITARY SEWER GENERAL NOTES**

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO CURRENT APWA SPECIFICATIONS WHEN NOT COVERED BY CITY OF ANACORTES STANDARDS AND SPECIFICATIONS.

PVC SEWER PIPE SHALL BE RUBBER GASKET CONFORMING TO APWA STANDARDS.

THE CONNECTION TO THE MANHOLE SHALL BE WITH A SANDCOLLAR GROUTED DIRECTLY IN THE MANHOLE. GROUT FROM BOTH SIDES.

THE CONTRACTOR SHALL CALL UTILITY UNDERGROUND LOCATE (800-424-5555) 48 HOURS PRIOR TO CONSTRUCTION AND NOTIFY THE CITY UTILITIES DEPARTMENT (360-293-1921).

PRESSURE TESTING SHALL BE DONE BY THE CONTRACTOR AT 5 PSI FOR 20 MINUTES WITH NO LOSS OF PRESSURE.

6" SIDE SEWERS SHALL MAINTAIN A 2% MINIMUM GRADE.

ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION WITHIN THE CITY RIGHT-OF-WAY.

PRE-CONSTRUCTION MEETING BETWEEN CITY AND CONTRACTOR TO BE HELD PRIOR TO THE COMMENCEMENT OF ANY SITE WORK.

ONLY FACTORY BEVELED JOINTS WILL BE ALLOWED IN ALL SEWER MAINS, EXCEPT AT SIDE SEWER LOCATIONS.

SIDE SEWER SHALL BE MARKED AS SHOWN ON DETAIL SHEET.

ALL MANHOLES, CLEANOUTS, RINGS, AND COVERS SHALL BE LOCATED WITHIN THE BLACKTOP.

PROJECT ENGINEER SHALL BE RESPONSIBLE TO COMPLETE AND RESUBMIT TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY THE DECLARATION OF CONSTRUCTION UPON COMPLETION OF THE PROJECT.

GRAVITY SEWER MAINS SHALL BE PVC, ASTM D 3034 SDR 35, OR ASTM F 789 WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 4777. SIDE SEWER SERVICES SHALL BE PVC, ASTM D 3034 SDR 35

**WATER NOTES**

NO CONNECTION TO THE EXISTING MAINS WILL BE ALLOWED EXCEPT BY MEANS OF AN APPROVED BACKFLOW PREVENTION DEVICE PRIOR TO SATISFACTORY FLUSHING, TESTING, DISINFECTION, AND RECEIPT OF SATISFACTORY BACTERIOLOGICAL TEST RESULTS.

TAPS ON EXISTING MAINS WILL BE MADE BY SPEARS TAPPING, INC. AT THE DEVELOPER'S EXPENSE.

ALL WORK AND MATERIALS MUST CONFORM TO THE CITY OF ANACORTES STANDARDS.

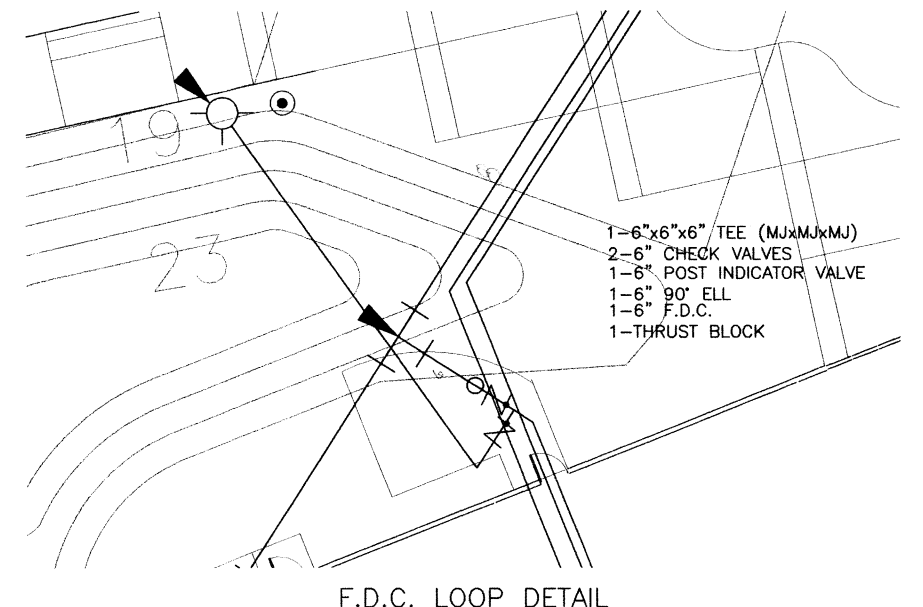
THE CITY OF ANACORTES ENGINEERING DEPARTMENT CONSTRUCTION MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO COMMENCING CONSTRUCTION, AND FOR INSPECTION REQUESTS.

THE OWNER OR OWNER'S AUTHORIZED AGENT SHALL NOTIFY THE MAINTENANCE OR OPERATIONS SUPERVISOR OF A PERSON WHO CAN BE CONTACTED ON A 24 HOUR BASIS.

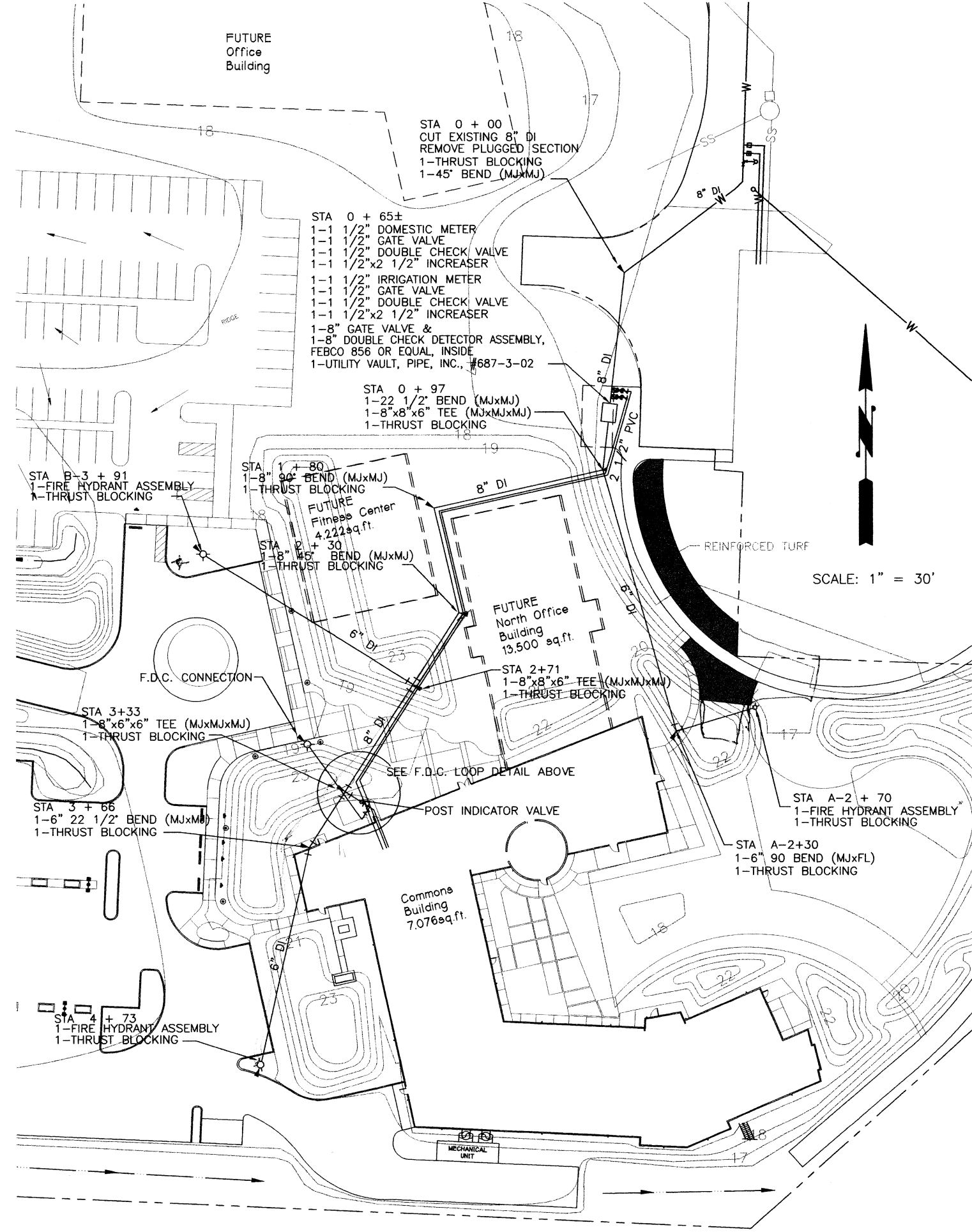
WATER MAIN SHALL HAVE 30" MINIMUM COVER.

WATER MAINS SHALL CONSIST OF DUCTILE IRON AWWA C 155-76, CEMENT MORTAR LINING AWWA C 104-74 THICKNESS CLASS 50 MINIMUM, OR EQUAL.

WATER AND SEWER HORIZONTAL SEPARATION SHALL BE 10 FOOT MINIMUM. MINIMUM 1 FOOT VERTICAL CLEARANCE BETWEEN WATERLINE AND ALL OTHER UTILITIES.



F.D.C. LOOP DETAIL



SCALE: 1" = 30'

DESIGNED	JAS	DATE	12/17/99
DRAWN	SK	DATE	12/17/99
CHECKED	JAS	DATE	12/17/99
BY		DATE	12/17/99

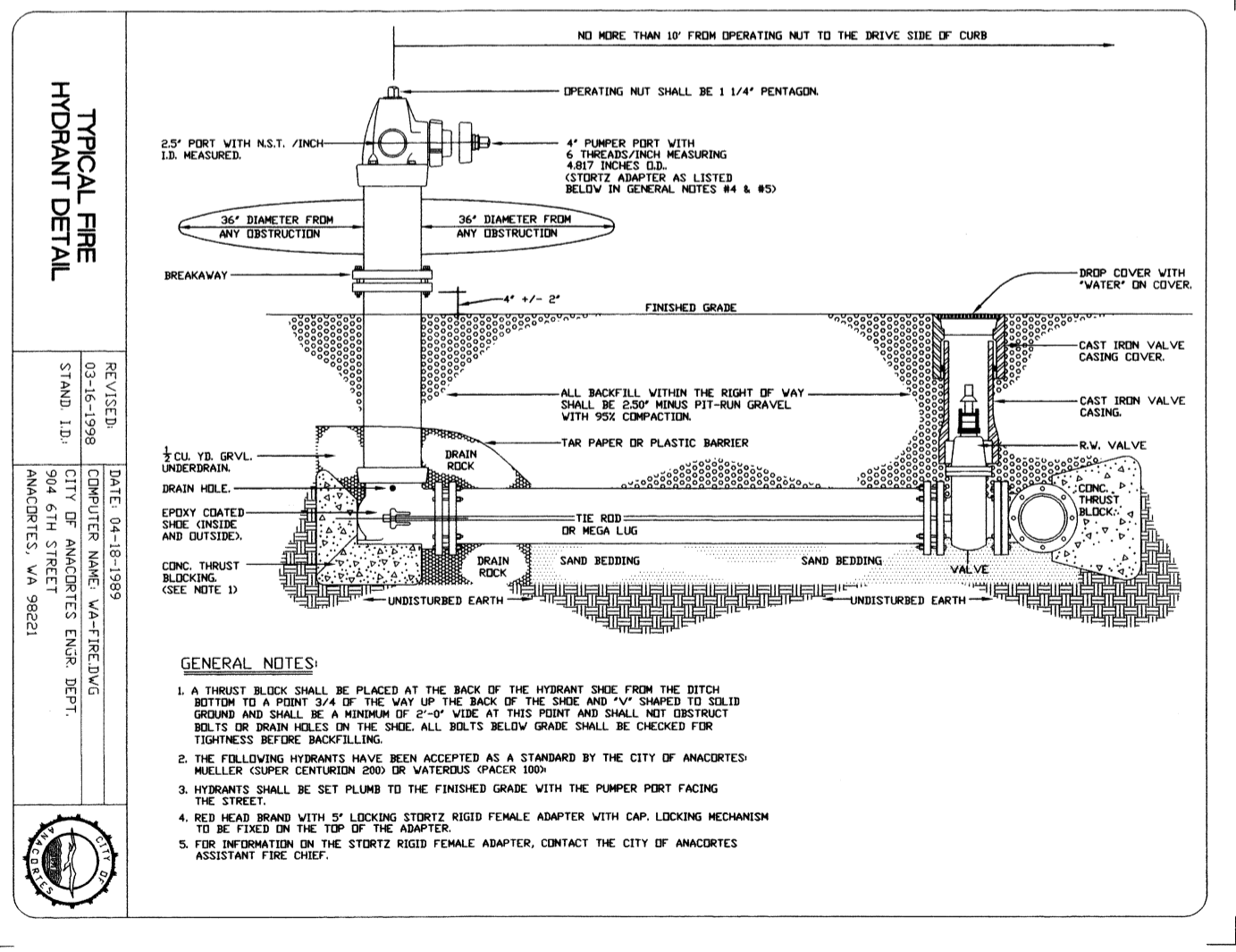
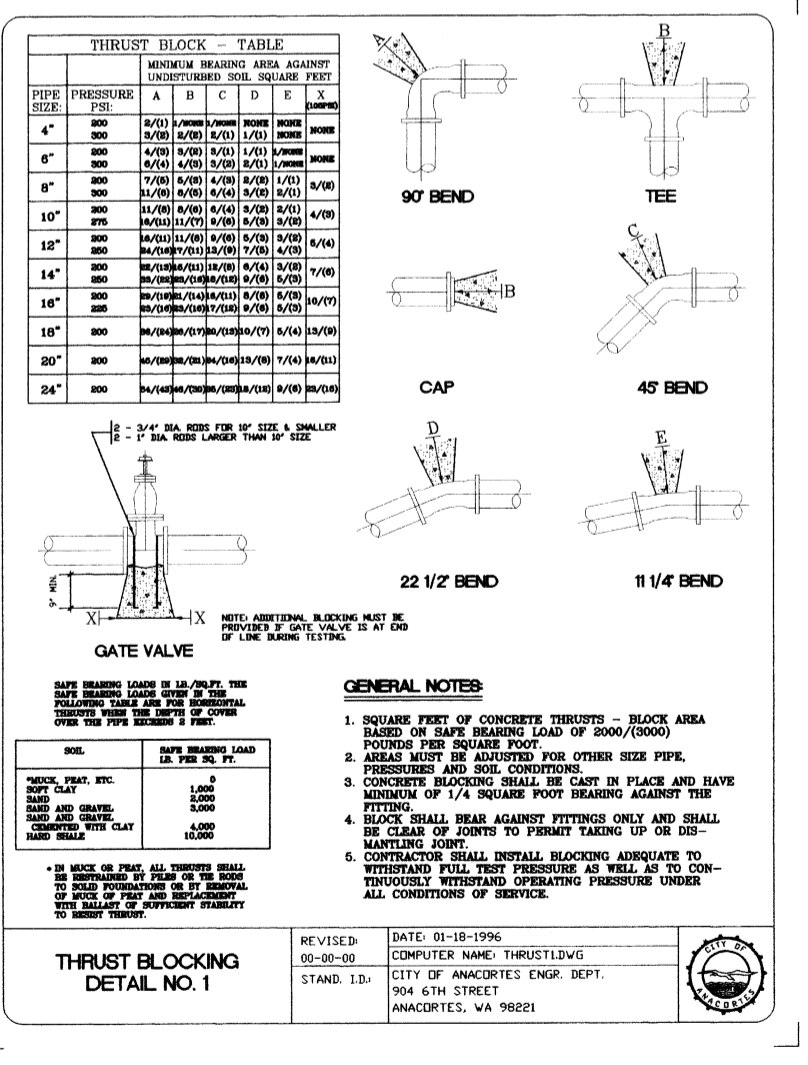
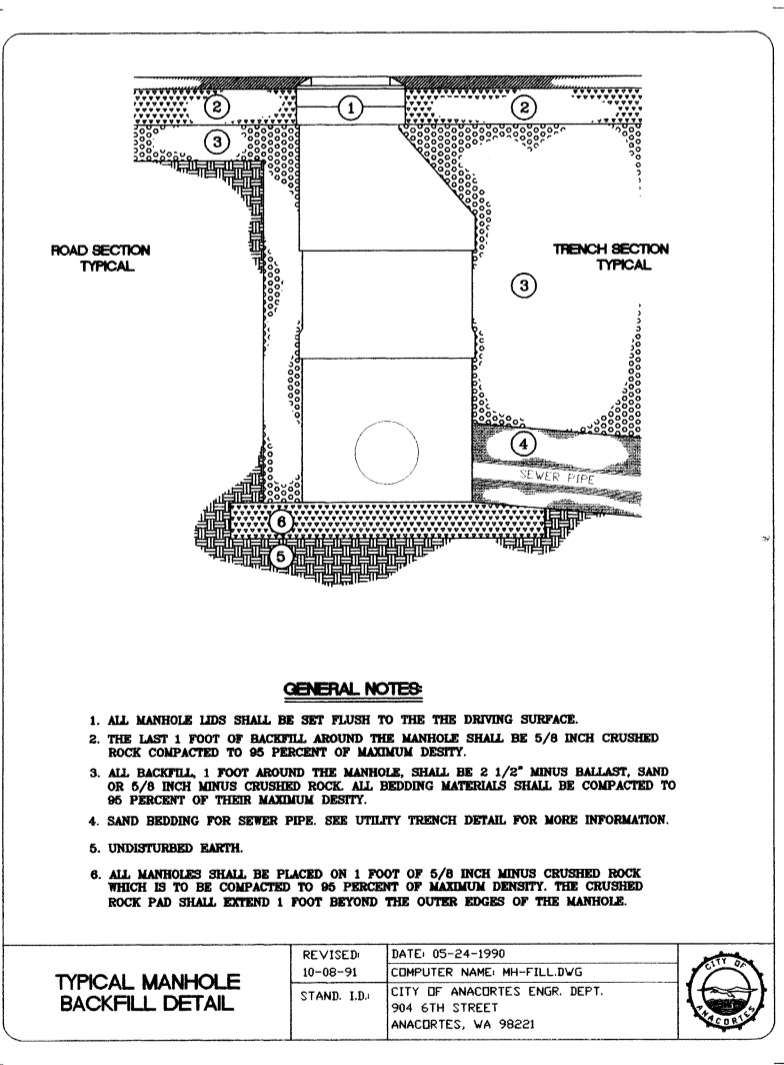
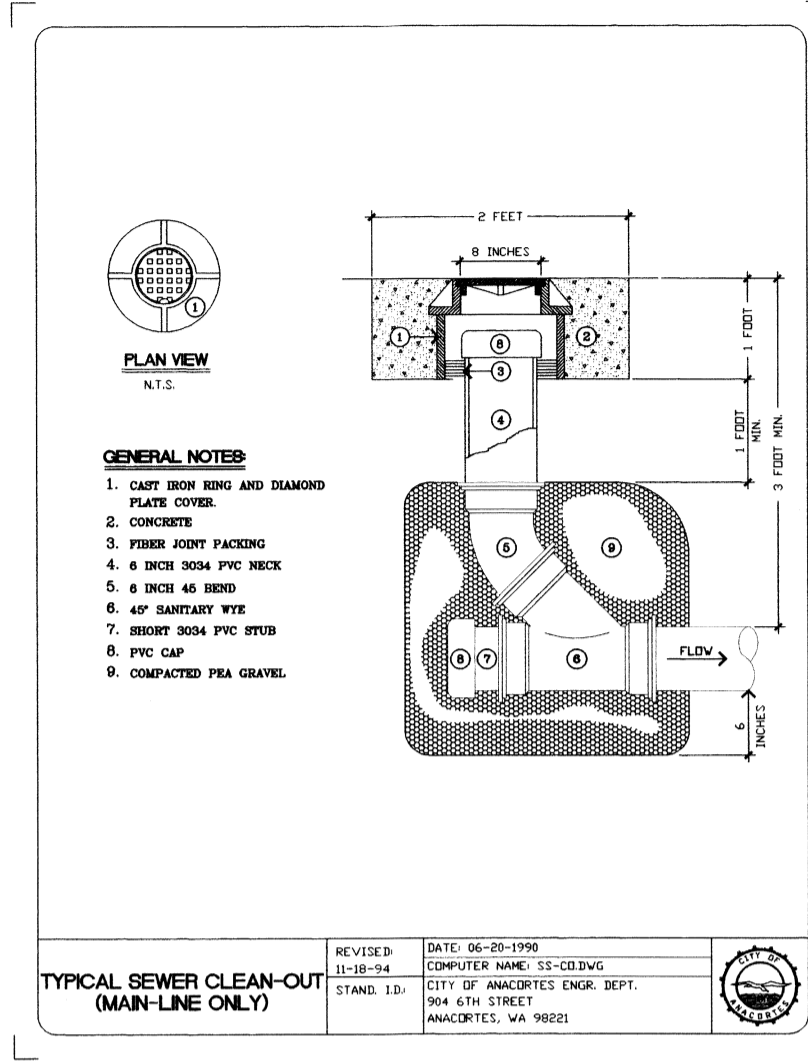
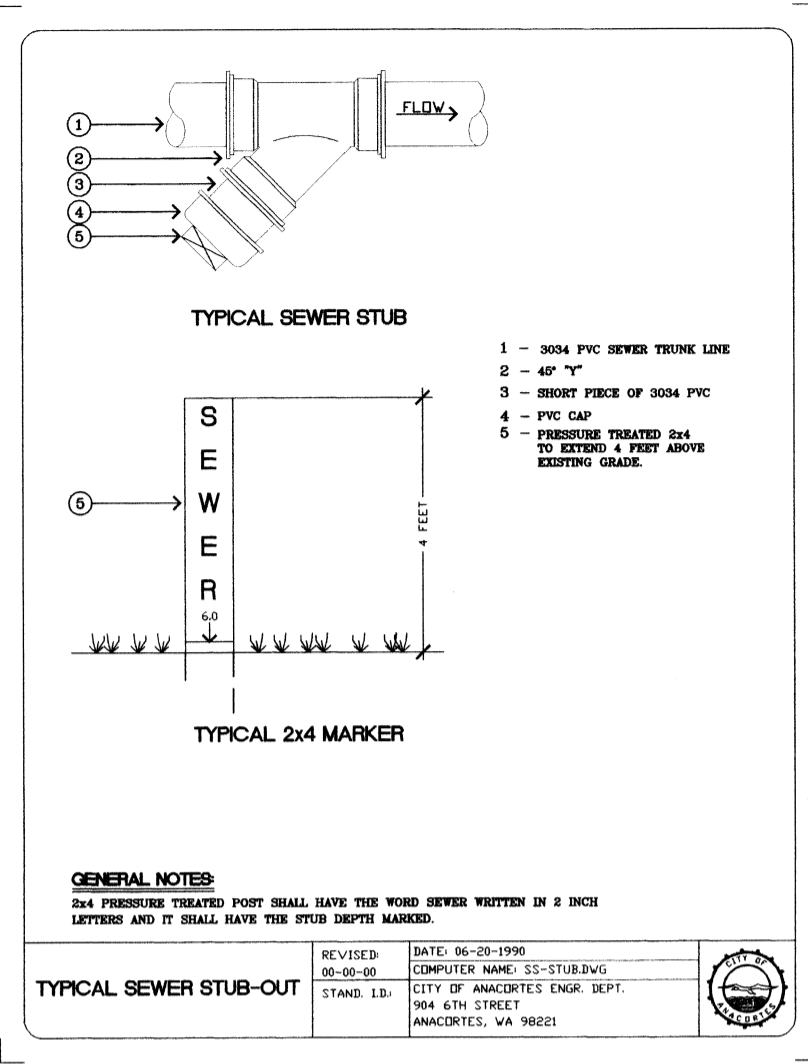
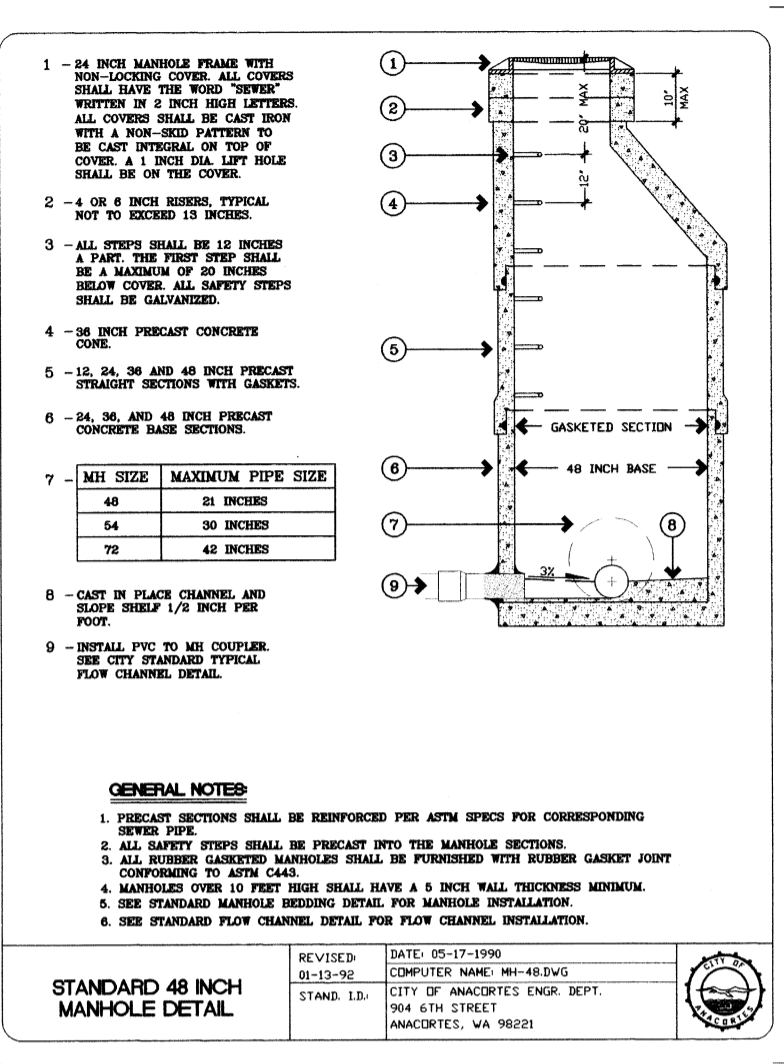
REVISIONS

NO.	DATE	DESCRIPTION
1	12/17/99	REVISED PER CITY REVIEW
2	12/17/99	REVISED PER CITY REVIEW
3	12/17/99	REVISED PER ARCHITECT REVIEW

**SUN SYSTEMS, INC.**  
 1804 COMMERCIAL AVENUE, SUITE 132  
 ANACORTES, WA 98221-4163 (360) 293-1960

**SANITARY SEWER/WATER**

JOB NO. 98012  
 SHEET C7  
 7 OF 11



DESIGNED: JAS 2/8/98    DRAWN: SBK    CHECKED: JAS    BY:    DATE: 5/14/99

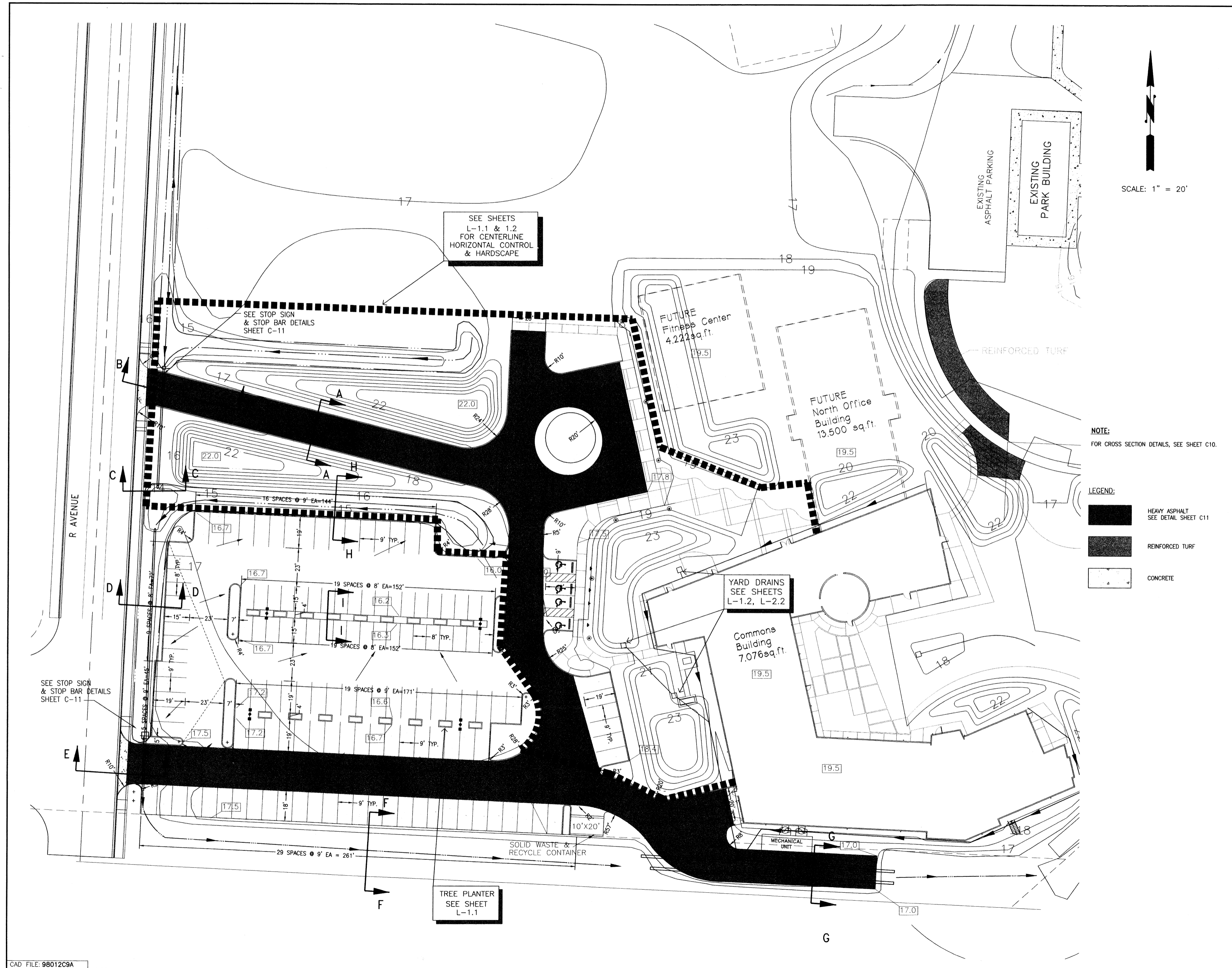
REVISIONS: REVISED PER CITY REVIEW

DATE BY APP REVISIONS

SCHEMMER ENGINEERING INC.  
1004 COMMERCIAL AVENUE, SUITE 150  
ANACORTES, WA 98221-4183 (360) 293-1960



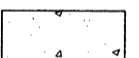
SUN SYSTEMS, INC.  
SANITARY SEWER/WATER DETAILS

JOB NO. 98-021  
SHEET C8  
8 OF 11



SCALE: 1" = 20'

NOTE:  
FOR CROSS SECTION DETAILS, SEE SHEET C10.

- LEGEND:
-  HEAVY ASPHALT  
SEE DETAIL SHEET C11
  -  REINFORCED TURF
  -  CONCRETE

SEE SHEETS  
L-1.1 & 1.2  
FOR CENTERLINE  
HORIZONTAL CONTROL  
& HARDSCAPE

SEE STOP SIGN  
& STOP BAR DETAILS  
SHEET C-11

YARD DRAINS  
SEE SHEETS  
L-1.2, L-2.2

TREE PLANTER  
SEE SHEET  
L-1.1

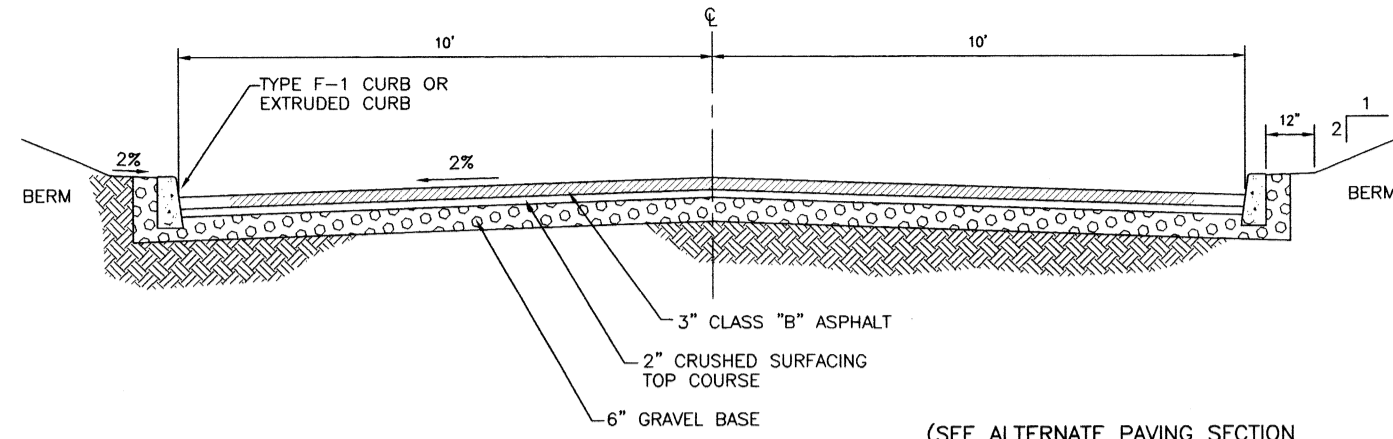
SEE STOP SIGN  
& STOP BAR DETAILS  
SHEET C-11

DESIGNED	US	7/6/99	REVISOR	PER CITY REVIEW
DRAWN	SK	5/1/98	REVISOR	PER ARCHITECT REVIEW
CHECKED	MLS		DATE	BY APP REVISIONS
DATE	5/17/99			

**SCHEMMER ENGINEERING INC.**  
1004 COMMERCIAL AVENUE, SUITE 152  
ANACORTES, WA 98221-4183 (360) 293-1960

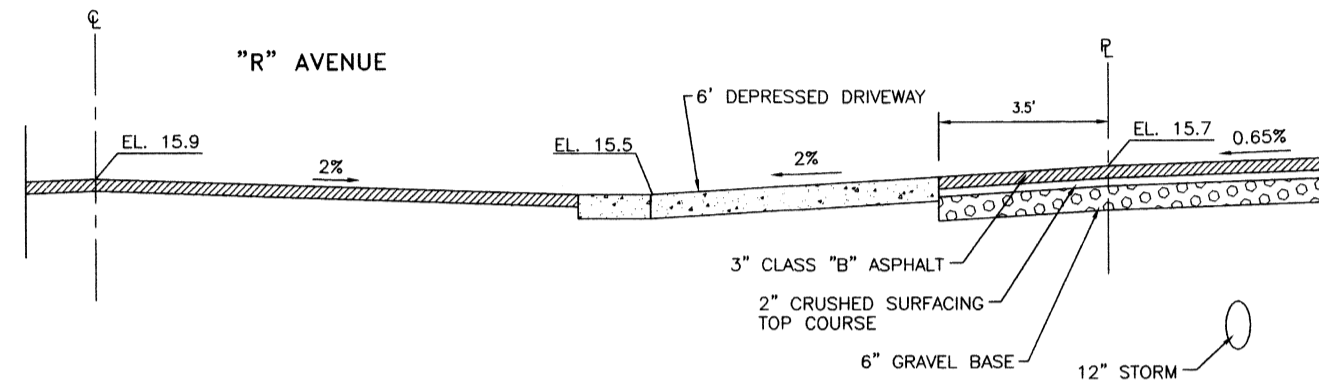
**SUN SYSTEMS, INC.**  
PAVING-PARKING

JOB NO.	98-02
SHEET	C9
	9 OF 11



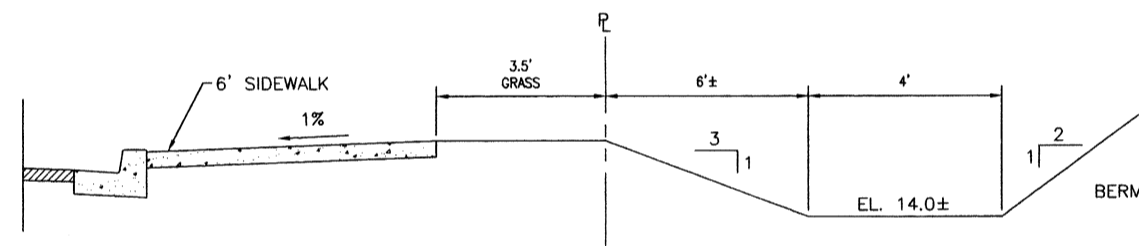
SECTION A - A  
NO SCALE

(SEE ALTERNATE PAVING SECTION ON SHEET C11)

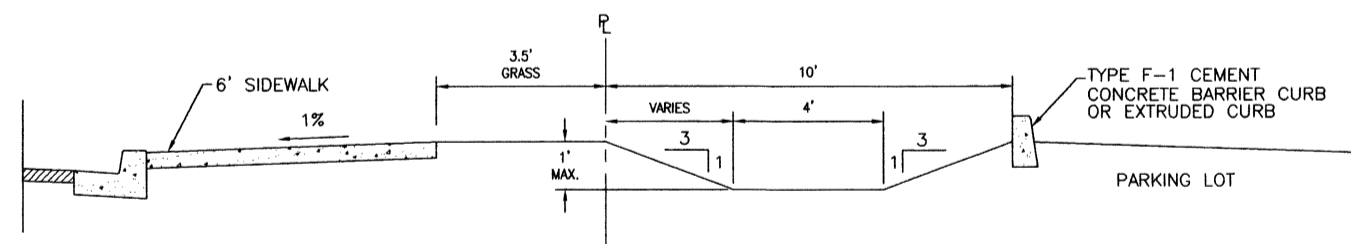


SECTION B - B  
NO SCALE

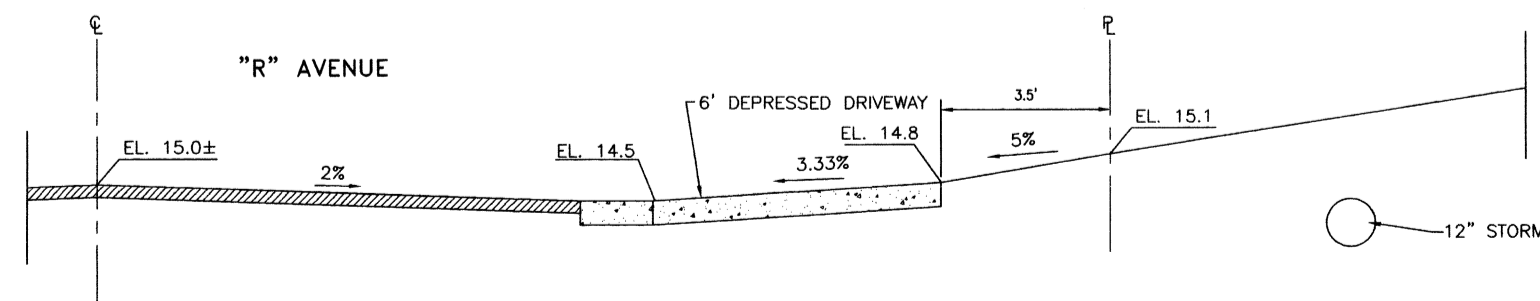
(SEE ALTERNATE PAVING SECTION ON SHEET C11)



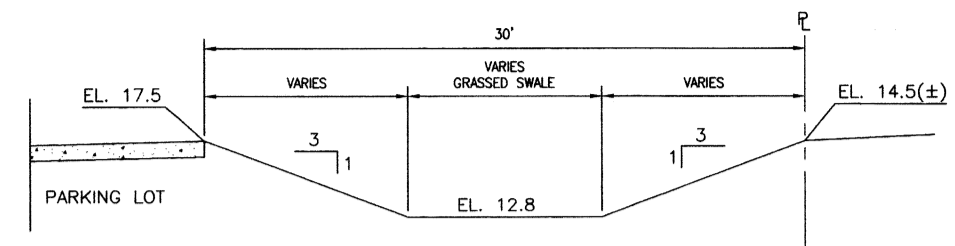
SECTION C - C  
NO SCALE



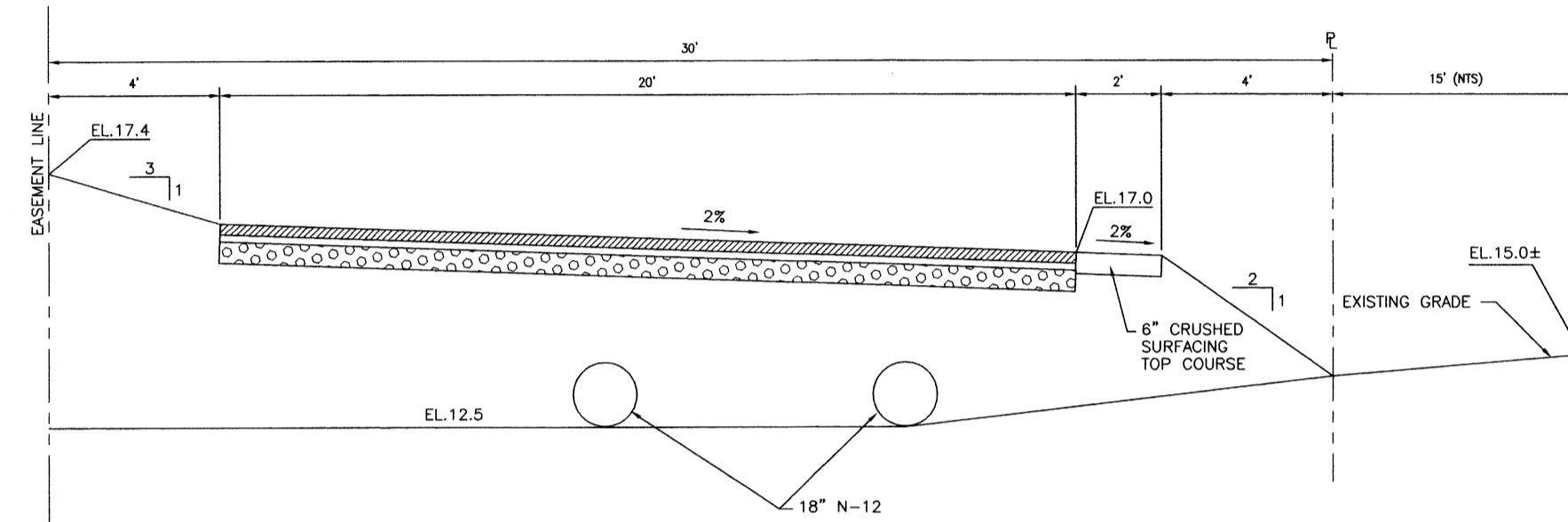
SECTION D - D  
NO SCALE



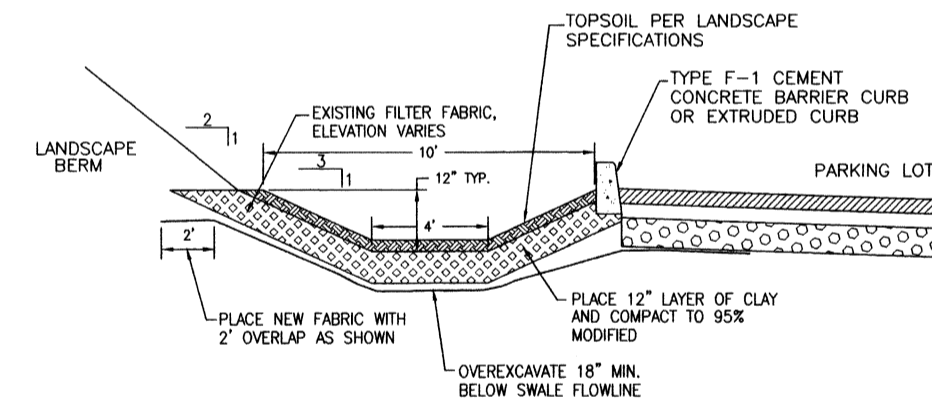
SECTION E - E  
NO SCALE



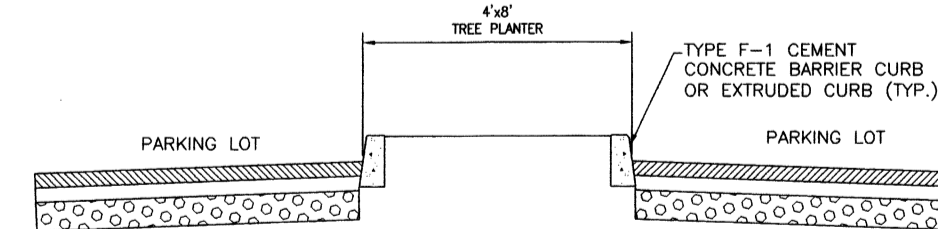
SECTION F - F  
NO SCALE



SECTION G - G  
NO SCALE



SECTION H - H  
NO SCALE



SECTION I - I  
NO SCALE

DESIGNED	DATE	BY
DRAWN	DATE	BY
CHECKED	DATE	BY
REVISIONS	DATE	BY
REVISED PER CITY REVIEW		
REVISED PER ARCHITECT REVIEW		

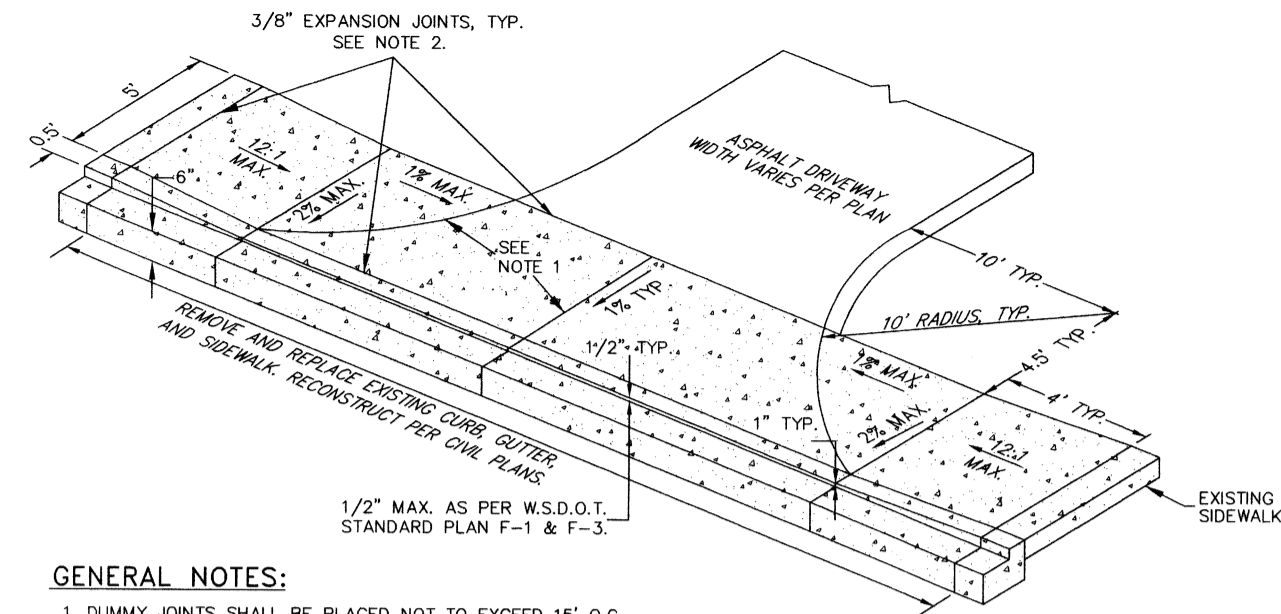
**SUN SYSTEMS, INC.**  
1004 COMMERCIAL AVENUE, SUITE 152  
ANACORTES, WA 98021-4183 (360) 293-1980

**SCHEMMER ENGINEERING INC.**  
1004 COMMERCIAL AVENUE, SUITE 152  
ANACORTES, WA 98021-4183 (360) 293-1980

**SUN SYSTEMS, INC.**

**CROSS SECTIONS**

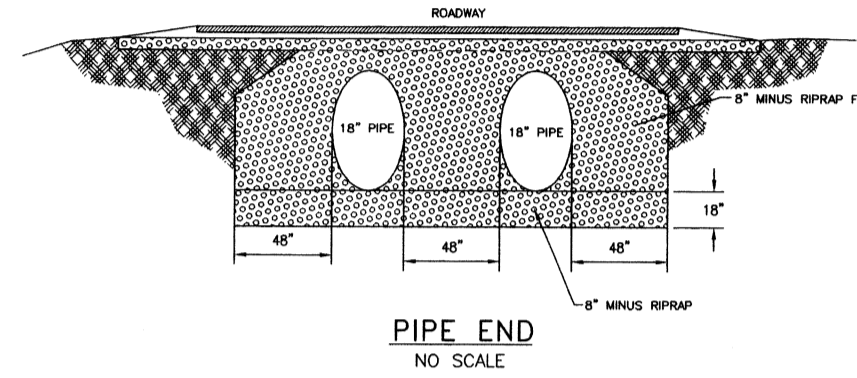
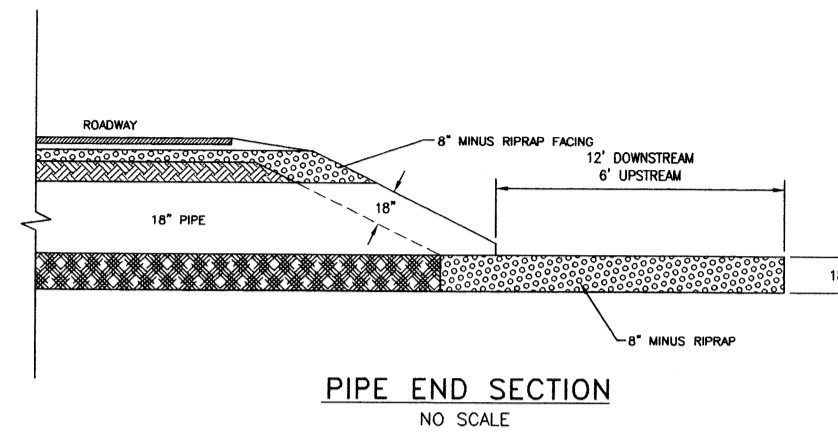
JOB NO.	98-021
SHEET	C10
	10 OF 11



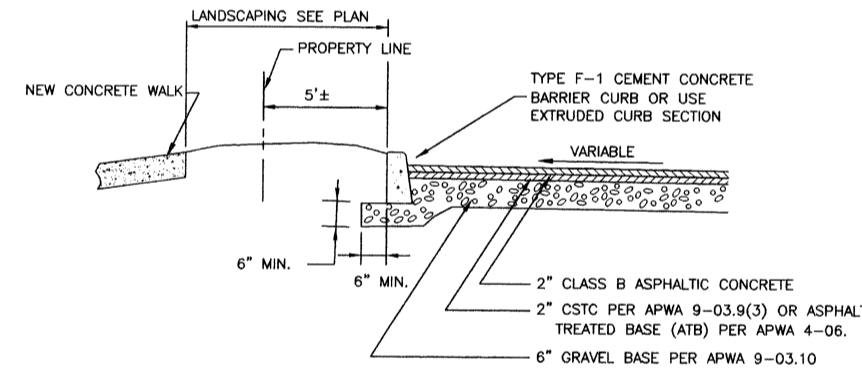
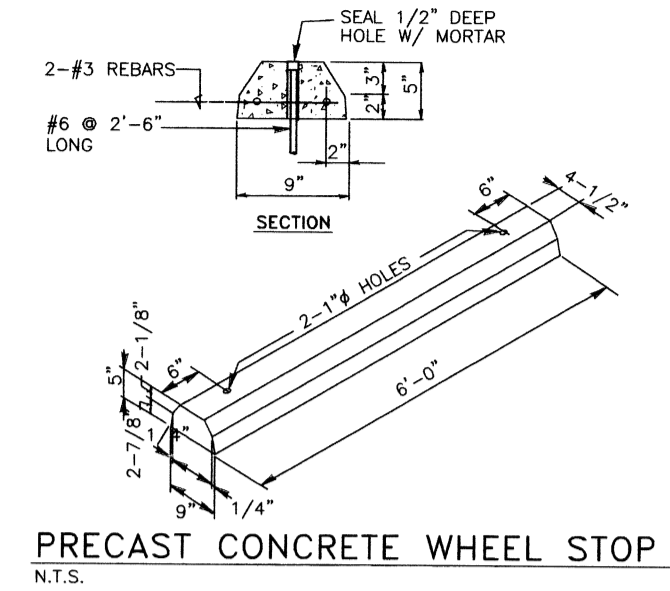
**GENERAL NOTES:**

- DUMMY JOINTS SHALL BE PLACED NOT TO EXCEED 15' O.C. NOR LESS THAN 10' O.C. THEY SHALL NOT BE LESS THAN 3/16" IN THICKNESS AND SHALL EXTEND 2-1/4" DEEP.
- 1/2" THRU-JOINTS SHALL BE PLACED AT BACK, SIDES AND FRONT (BEHIND CURB) OF APPROACH.
- CEMENT CONCRETE SHALL BE CLASS 3000 AIR ENTRAINED.
- ALL JOINTS SHALL BE CLEANED AND EDGED.
- APPROACH SHALL NOT BE POURED INTEGRAL WITH CURB AND GUTTER.
- SUBGRADE COMPACTION SHALL BE 95% MODIFIED PROCTOR.

**TYPICAL DEPRESSED DRIVEWAY DETAIL**  
N.T.S.

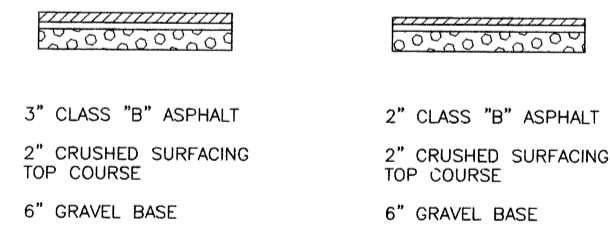
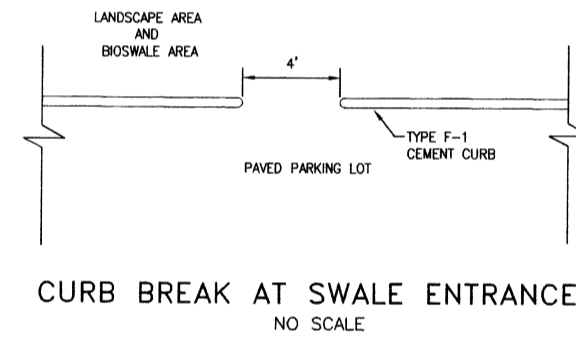


**HEADWALL DETAIL AT TWIN 18" CULVERT**  
NO SCALE



**CURB & PARKING SECTION**  
NO SCALE

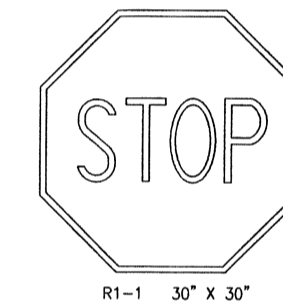
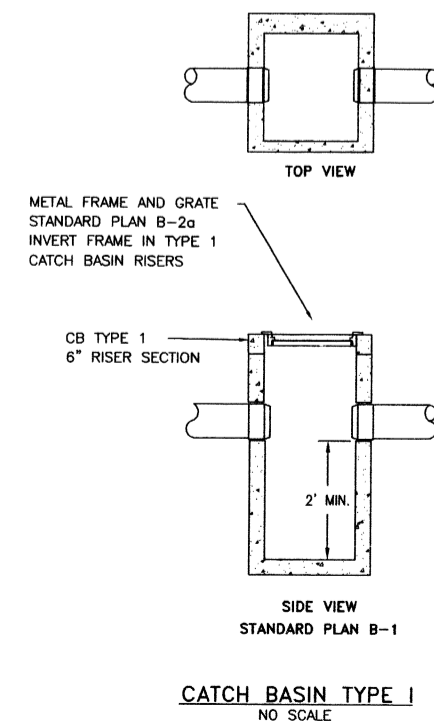
(SEE ALTERNATE PAVING SECTION BELOW)



**ALTERNATE PAVING SECTIONS:**

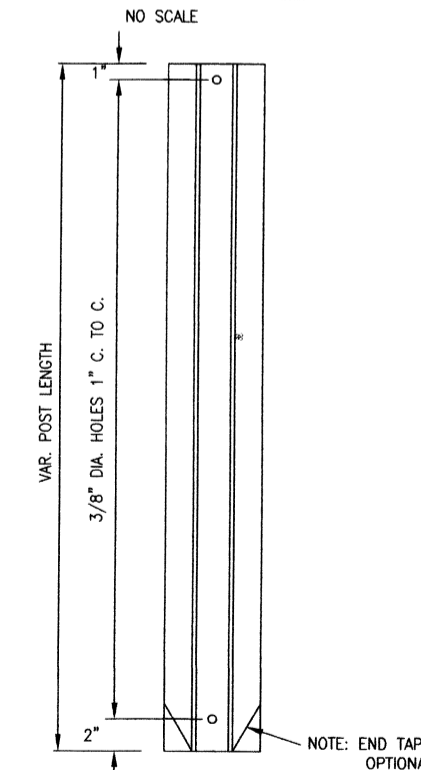


**TYPICAL ASPHALT SECTIONS**  
NO SCALE



STOP SIGN TO BE INSTALLED AS PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION PART 2B-4 & PART 2B-9

**STOP SIGN DETAIL**  
NO SCALE



NOTE: ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET & HIGHWAYS". STEEL POSTS SHALL BE EMBEDDED 3'-6" MIN. CONSTRUCT IN ACCORDANCE WITH NJDOT CONSTRUCTION DETAIL NO. CD-37.

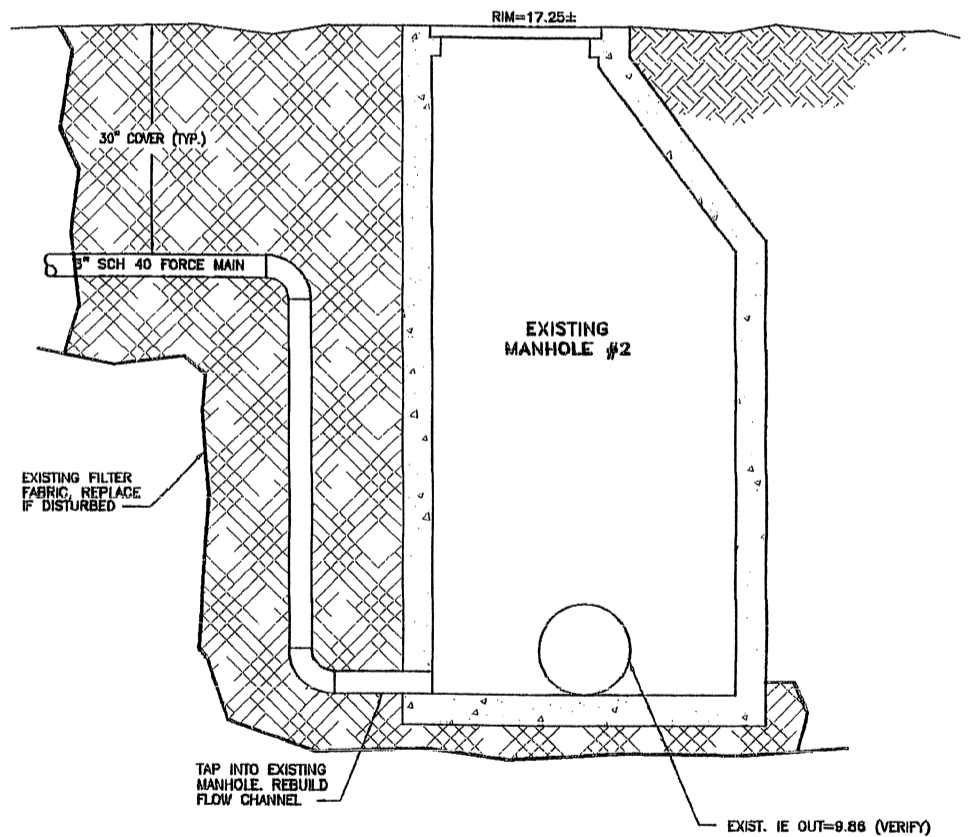
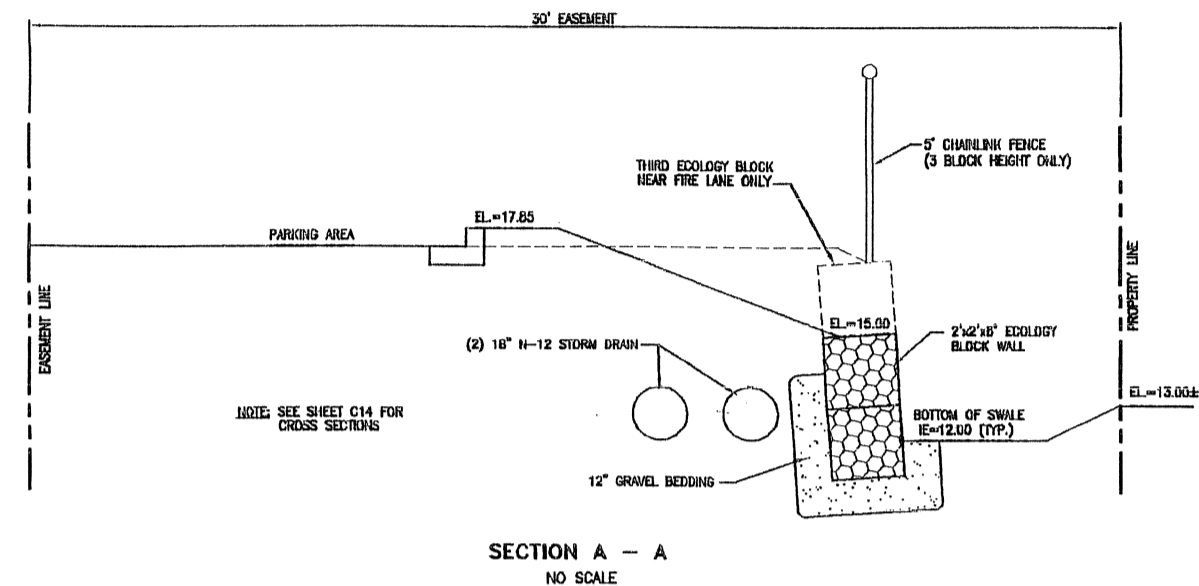
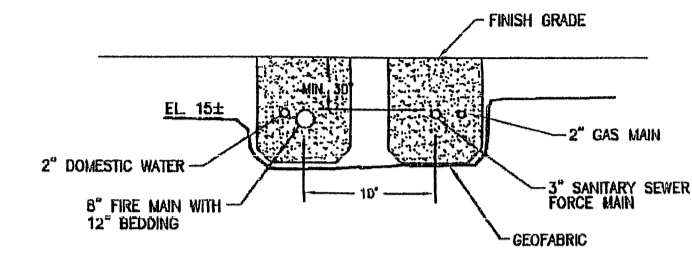
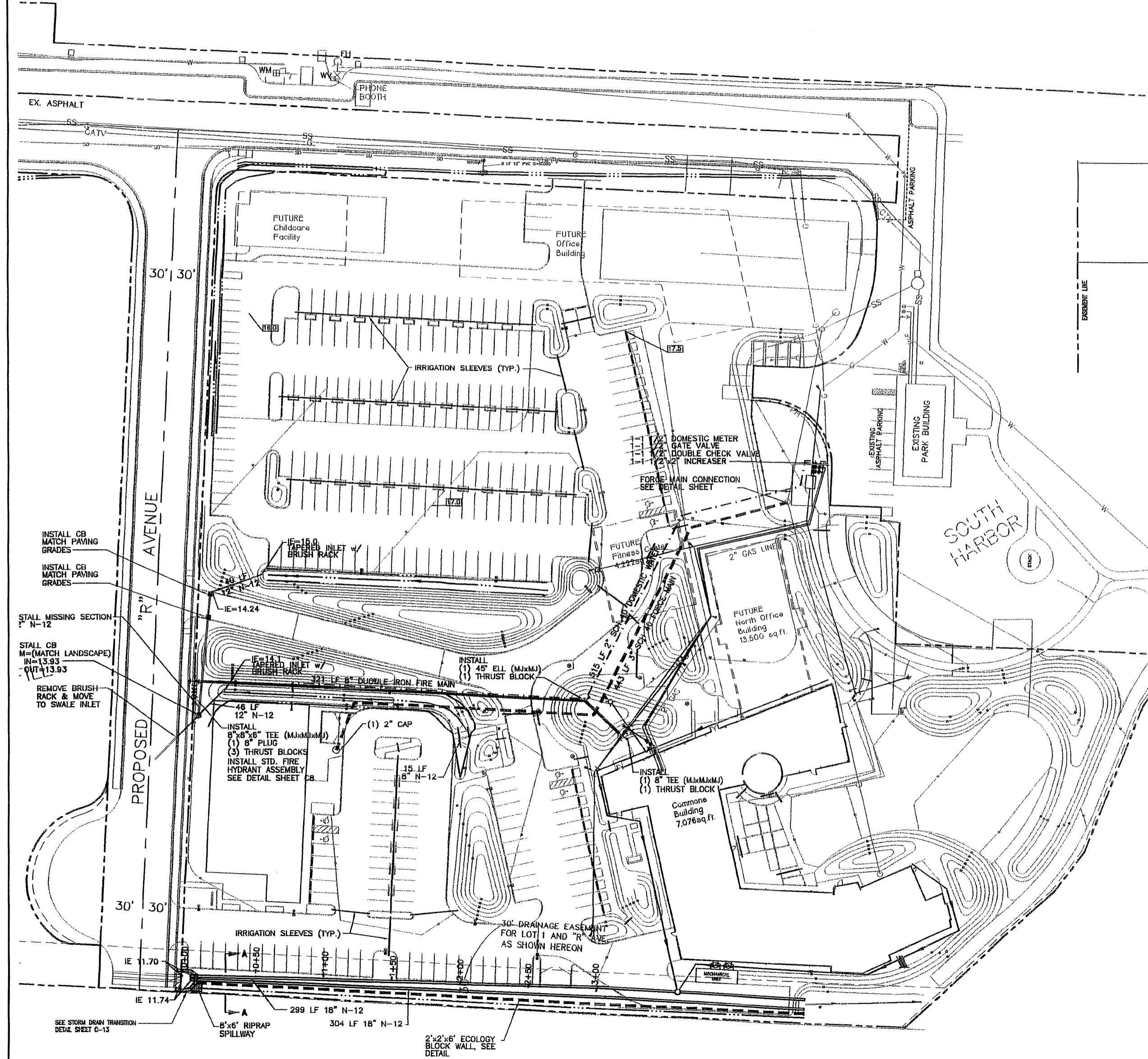
DESIGNED	4/28/99	ML	ML	BY	ML
DRAWN	5/11/99	SBK	ML	BY	ML
CHECKED		ML		BY	
REVISIONS				DATE	BY
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

**SCHMERR ENGINEERING INC.**  
1004 COMMERCIAL AVENUE, SUITE 152  
ANCORAGES, WA 98221-4163 (360) 293-1960

**SUN SYSTEMS, INC.**  
MISCELLANEOUS DETAILS

JOB NO.	98-021
SHEET	C11
11	OF 11

CAP SANTE BOAT MARINA



EX. ASPHALT  
 30' | 30'  
 AVENUE  
 PROPOSED  
 30' | 30'  
 SEE STORM DRAIN TRANSITION DETAIL SHEET C-13  
 8'x6' RIPRAP SPILLWAY  
 299 LF 18" N-12  
 304 LF 18" N-12  
 2'x2'x6" ECOLOGY BLOCK WALL, SEE DETAIL

INSTALL CB MATCH PAVING GRADES  
 INSTALL CB MATCH PAVING GRADES  
 STALL MISSING SECTION "N-12"  
 STALL CB M=(MATCH LANDSCAPE) IN=13.93 OUT=13.93  
 REMOVE BRUSH RACK & MOVE TO SWALE INLET

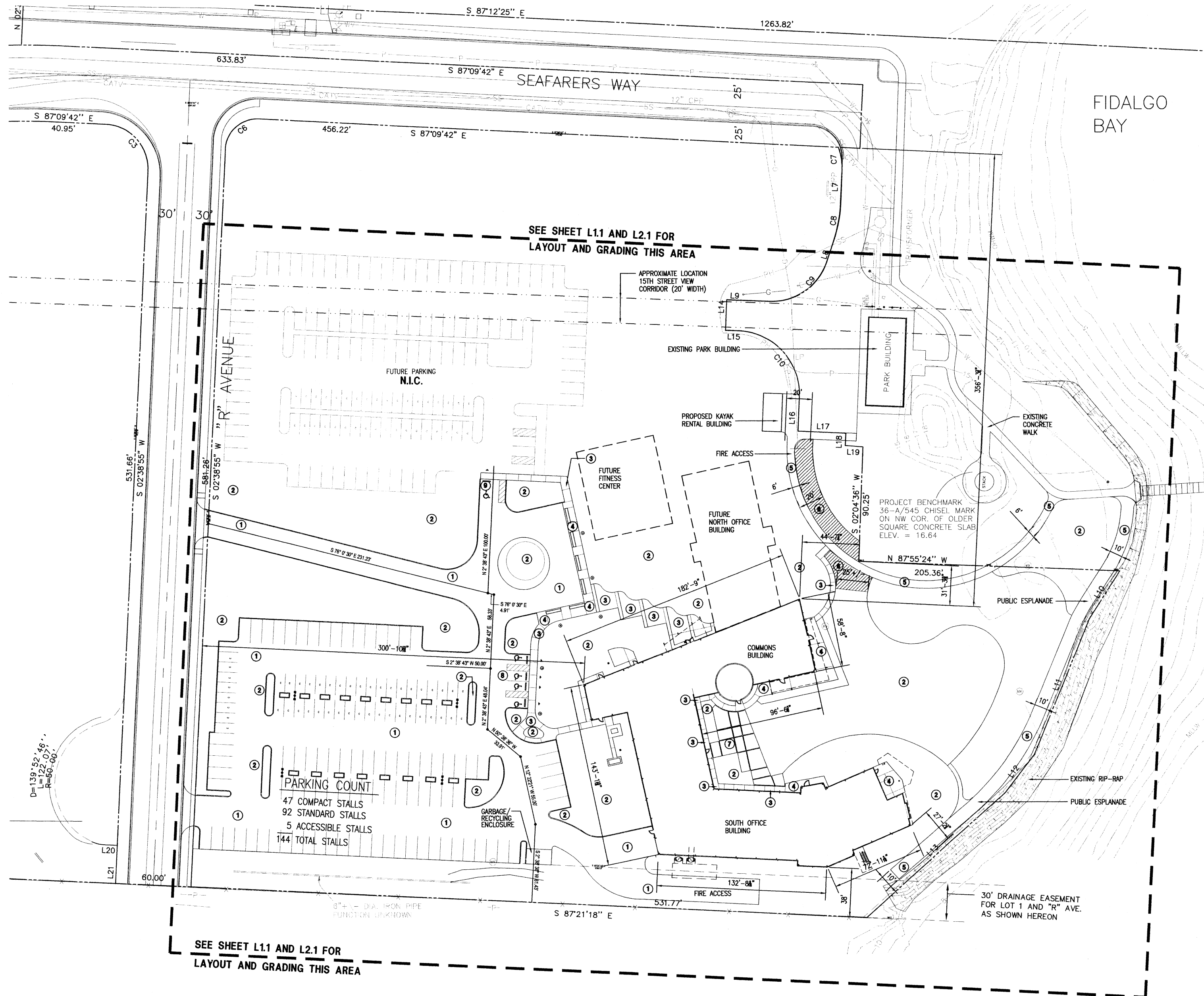
IE=15.00  
 IE=14.24  
 IE=14.14  
 IE=13.93  
 IE=11.70  
 IE=11.74

CAD FILE: 99073C12.DWG | PLOT DATE:

APPROVED FOR CONSTRUCTION  
 CITY ENGINEER DATE  
 APPROVAL EXPIRES ONE YEAR FROM DATE SHOWN

CALL 48 HOURS BEFORE YOU DIG  
 1-800-424-5555

DESIGNED	US	DATE	12/05/99
DRAWN	US	BY	
CHECKED	US		
<p><b>SCHEMMER ENGINEERING INC.</b>                  1004 COMMERCIAL AVENUE, SUITE 152                  ANACORTES, WA 98221-4183 (360) 293-9006</p>			
<p><b>SHS - HEALTH FACILITY</b></p>			
<p><b>SITE UTILITIES</b></p>			
JOB NO.	08-073		
SHEET	C12		
<p>12 OF 14</p>			



LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	S 02°37'20" W	80.00'
L2	S 87°20'42" E	40.00'
L3	S 87°20'52" E	40.00'
L4	N 02°37'20" E	29.74'
L5	S 87°09'42" E	16.72'
L6	N 02°50'02" E	50.00'
L7	N 02°03'33" E	26.12'
L8	N 18°02'40" E	19.88'
L9	S 87°56'27" E	34.42'
L10	N 32°11'29" E	44.76'
L11	N 21°55'20" E	115.13'
L12	N 37°09'40" E	37.93'
L13	N 47°59'21" E	146.34'
L14	N 02°03'33" E	24.00'
L15	S 87°56'27" E	10.00'
L16	N 02°03'33" E	27.32'
L17	N 87°25'12" W	37.35'
L18	N 02°50'02" E	9.72'
L19	S 85°38'17" E	13.91'
L20	N 87°21'18" W	11.15'
L21	S 02°38'55" W	30.00'

CURVE TABLE

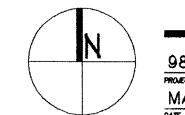
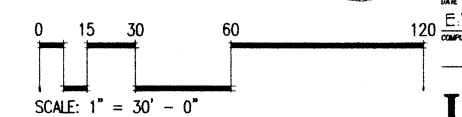
NUMBER	RADIUS	LENGTH	DELTA
C1	25.00	39.30	90°04'22"
C2	25.00	39.24	89°55'38"
C3	35.00	54.86	89°48'37"
C4	25.00	31.39	71°56'48"
C5	25.00	9.63	22°04'14"
C6	25.00	39.35	90°11'23"
C7	45.00	17.67	22°30'04"
C8	101.98	28.45	15°59'07"
C9	45.00	58.13	74°00'53"
C10	50.00	78.54	90°00'00"

- LEGEND
- FOR SHEETS: L1.0, L1.1, L1.2, L2.1 AND L2.2
- EXISTING CONTOUR
  - OHWM ORDINARY HIGH WATER MARK
  - MLLW MEAN LOWER LOW WATER
  - X-X- EXISTING FENCELINE
  - P-P- EXISTING POWER
  - SS- EXISTING SANITARY SEWER
  - C-C- EXISTING GAS
  - CATV- EXISTING TV
  - W-W- EXISTING WATER
  - PH-PH- EXISTING TELEPHONE
  - TR-TR- EXISTING TELEPHONE RISER
  - ⊕ EXISTING STORM MANHOLE
  - ⊙ EXISTING TEST WELL

- ① NEW ASPHALT PAVING - SEE CIVL
  - ② LANDSCAPE AREA - SEE L2.1 FOR CONTOUR GRADING
  - ③ CONCRETE WALKWAY (L5.1)
  - ④ REINFORCED CONCRETE SLAB (L5.1)
  - ⑤ CONCRETE ESPALANADE (L5.1)
  - ⑥ REINFORCED TURF PAVEMENT (L5.1)
  - ⑦ CONC. SURFACING W/ PLANTED JOISTS (L5.1)
  - ⑧ (4) ACCESSIBLE PARKING STALLS
  - ⑨ (1) VAN ACCESSIBLE PARKING STALL
- PROPOSED CONTOUR
  - 18.65- PROPOSED SPOT ELEVATION
  - TW TOP OF WALL
  - BW BOTTOM OF WALL
  - TS TOP OF STAIR/STEP
  - BS BOTTOM OF STAIR/STEP
  - TR TOP OF RAMP
  - BR BOTTOM OF RAMP
  - TC TOP OF CURB
  - BC BOTTOM OF CURB
  - RE RIM ELEVATION
  - FF FINISH FLOOR

SEE SHEET L1.1 AND L2.1 FOR LAYOUT AND GRADING THIS AREA

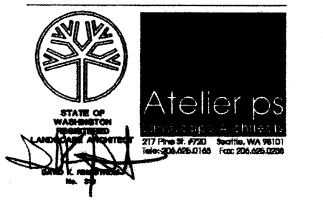
SURVEY AND BASE INFORMATION PROVIDED BY LEONARD, BOUDINOT & SKODJE, INC. PROFESSIONAL ENGINEERS AND LAND SURVEYORS SOUTH BASIN PROPERTY FOR THE PORT OF ANACORTES PRELIMINARY SITE TOPOGRAPHY DATED SEPT. 1998



SUN HEALTHCARE SYSTEMS, INC.  
 CAMPUS: PHASE ONE  
 ANACORTES, WASHINGTON

NO.	DATE	REVISION

DR  
 PREPARED BY  
 PROJECT MANAGER  
 PROJECT ARCHITECT  
 DRAWN  
 DR/AS  
 DEC



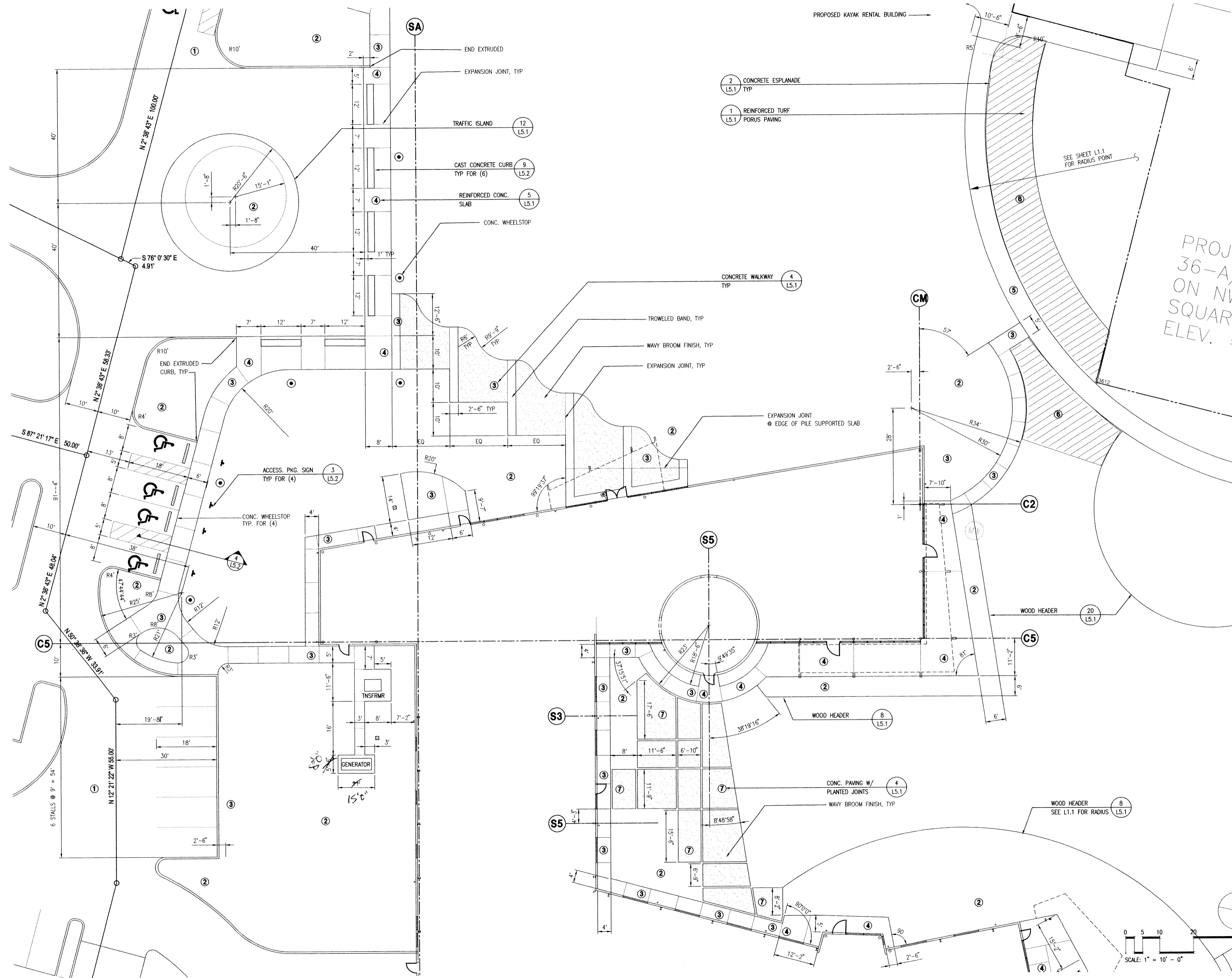
SITE PLAN & LEGEND

98060.00  
 PROJECT NO.  
 MAY 18, 1999  
 DATE

L1.0  
 CONSTRUCTION SET







PROPOSED KAYAK RENTAL BUILDING

PROJ  
36-A  
ON N  
SQUAR  
ELEV.

- 2 CONCRETE ESPLANADE  
L5.1 TYP
- 1 REINFORCED TURF  
L5.1 PORUS PAVING

- END EXTRUDED
- EXPANSION JOINT, TYP
- TRAFFIC ISLAND 12  
L5.1
- CAST CONCRETE CURB  
TYP FOR (6) 9  
L5.2
- REINFORCED CONC.  
SLAB 5  
L5.1
- CONC. WHEELSTOP

- CONCRETE WALKWAY  
TYP 4  
L5.1

- TROWELED BAND, TYP
- WAVY BROOM FINISH, TYP
- EXPANSION JOINT, TYP
- EXPANSION JOINT  
EDGE OF PILE SUPPORTED SLAB

CM

WOOD HEADER 20  
L5.1

WOOD HEADER 8  
L5.1

WOOD HEADER  
SEE L1.1 FOR RADIUS 8  
L5.1

- CONC. PAVING W/  
PLANTED JOINTS 4  
L5.1
- WAVY BROOM FINISH, TYP



# SUN HEALTHCARE SYSTEMS, INC.

## CAMPUS: PHASE ONE

### ANACORTES, WASHINGTON

DATE	REVISION

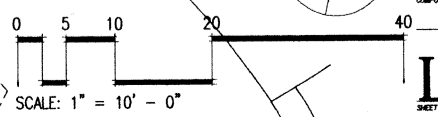
DR	DESIGNED BY
DR/AS	PROJECT ARCHITECT
DR/AS	PROJECT PROJECT
DR/AS	DATE



ENLARGED LAYOUT PLAN

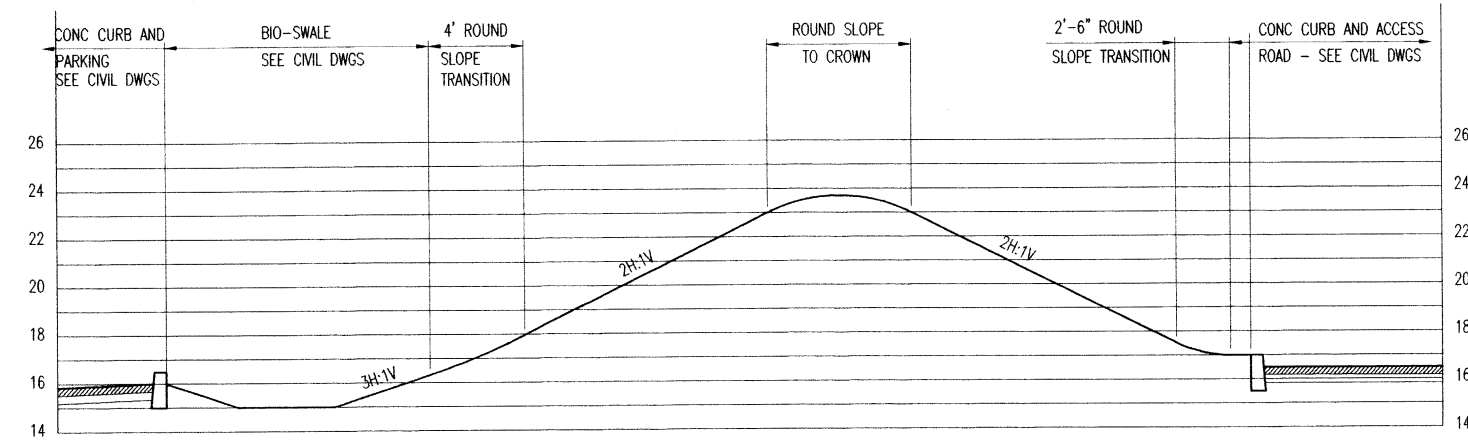
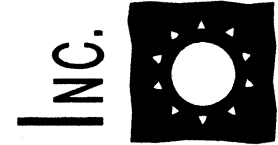
98060.00  
MAY 18, 1999

L1.2  
CONSTRUCTION SET

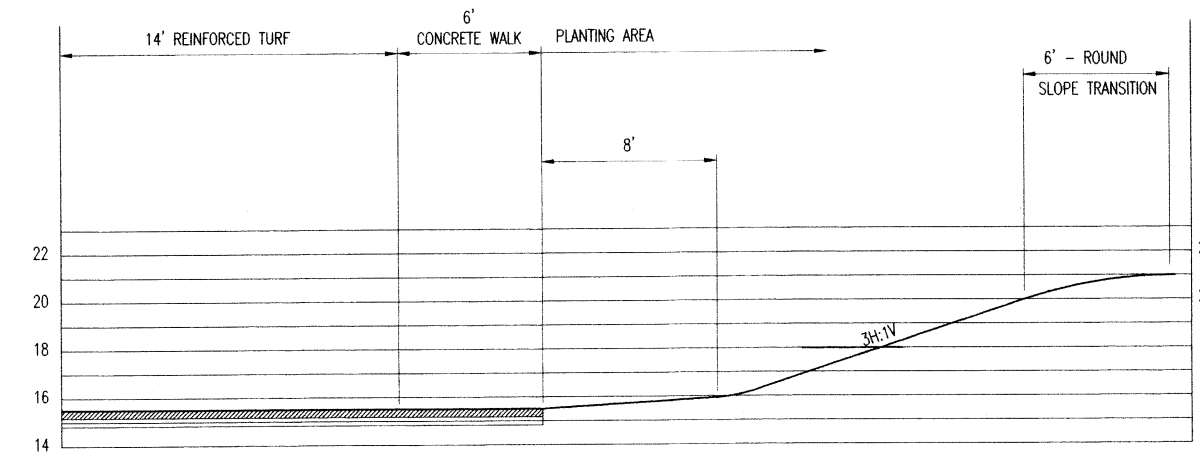




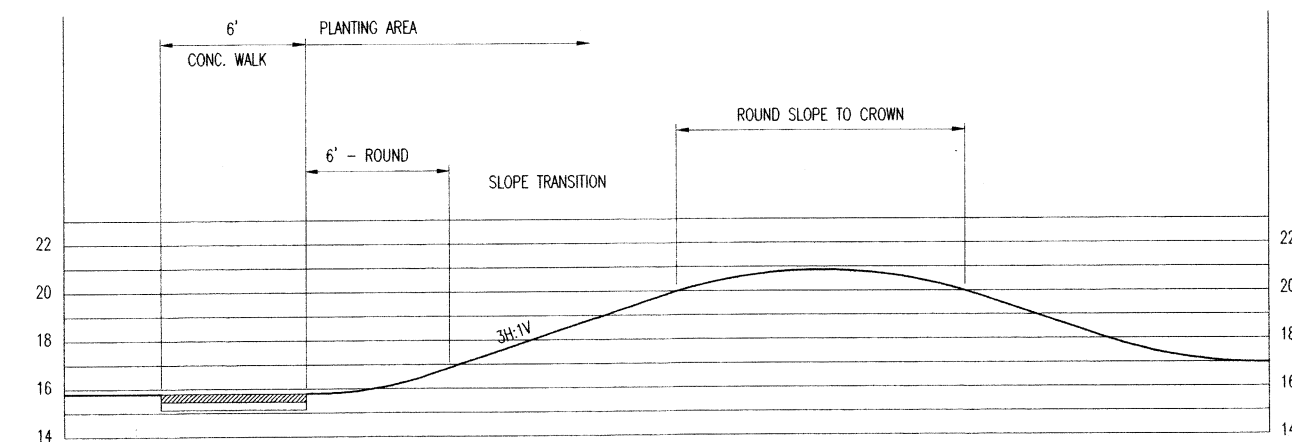




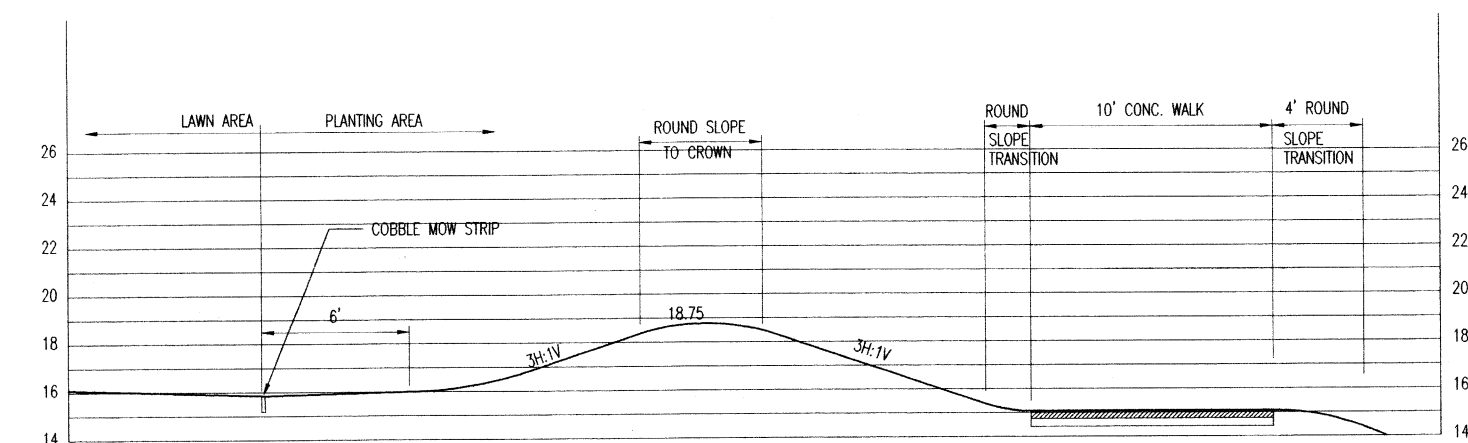
① SECTION A-AA  
SCALE: 1/4" = 1'-0"



② SECTION B-BB  
SCALE: 1/4" = 1'-0"



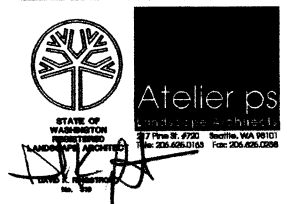
③ SECTION C-CC  
SCALE: 1/4" = 1'-0"

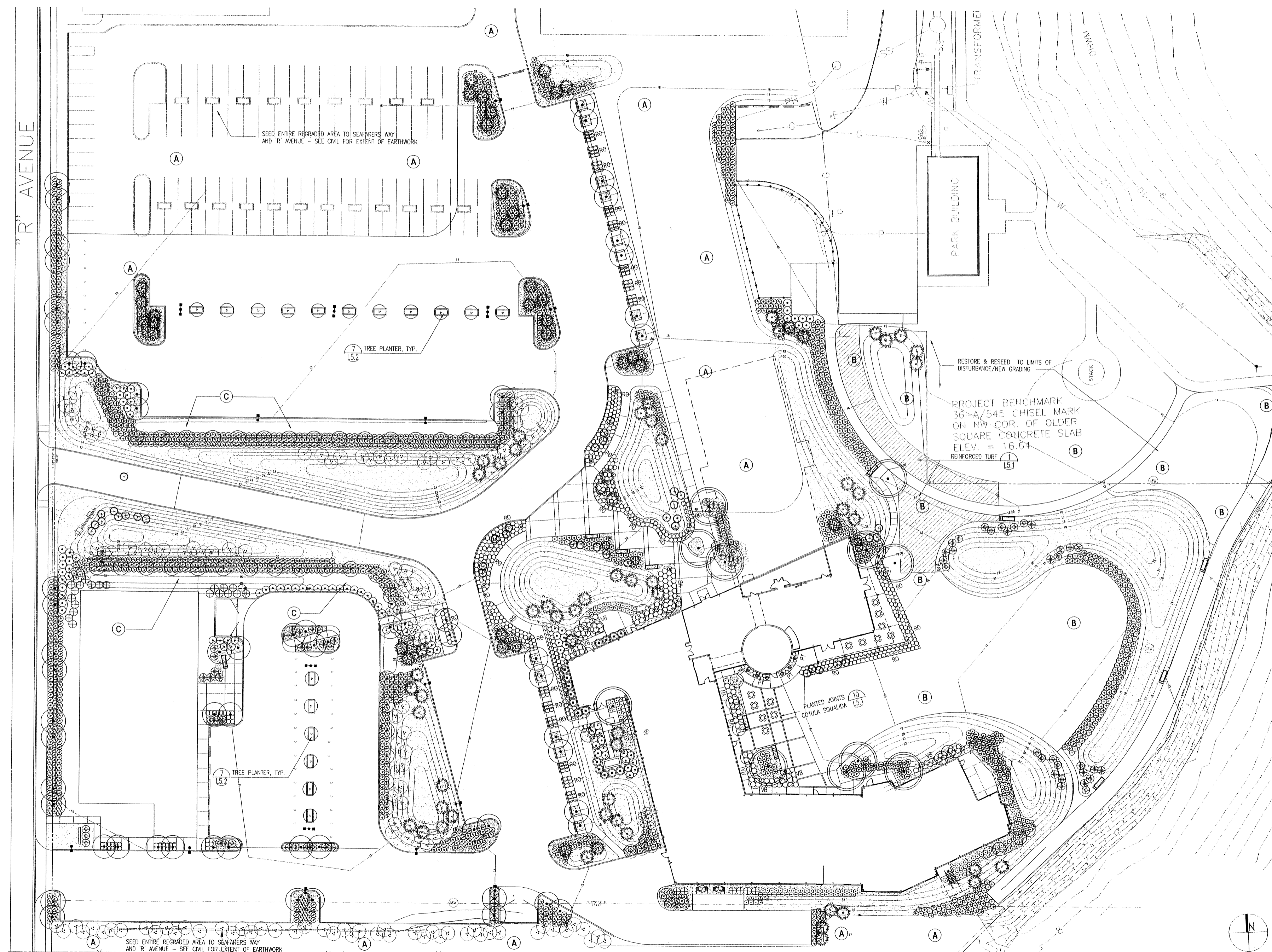


④ SECTION D-DD  
SCALE: 1/4" = 1'-0"

NO.	DATE	REVISION

DR  
PROJECT # CHANGE  
PROJECT NUMBER  
PROJECT ADDRESS  
SCALE  
DR/AS  
DATE





R AVENUE

SEED ENTIRE REGRADED AREA TO SEAFARERS WAY AND R AVENUE - SEE CIVIL FOR EXTENT OF EARTHWORK

7 TREE PLANTER, TYP. 15.2

PARK BUILDING

RESTORE & RESEED TO LIMITS OF DISTURBANCE/NEW GRADING

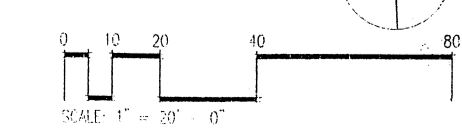
PROJECT BENCHMARK 36-A/545 CHISEL MARK ON NW COR. OF OLDER SQUARE CONCRETE SLAB ELEV. = 16.64 REINFORCED TURF 15.1

PLANTED JOINTS 10 COTULA SOULALIDA 15.1

SEED ENTIRE REGRADED AREA TO SEAFARERS WAY AND R AVENUE - SEE CIVIL FOR EXTENT OF EARTHWORK

6" DIA. IRON PIPE FUNCTION UNKNOWN

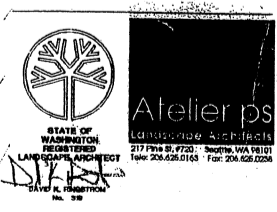
SEE SHEET L4.2 FOR PLANT SCHEDULE



**SUN HEALTHCARE SYSTEMS, INC.**  
**CAMPUS: PHASE ONE**  
**ANACORTES, WASHINGTON**

NO.	DATE	REVISION
1	6/15/99	PROVIDE
2	8/30/99	
3	12/9/99	SITE PLAN

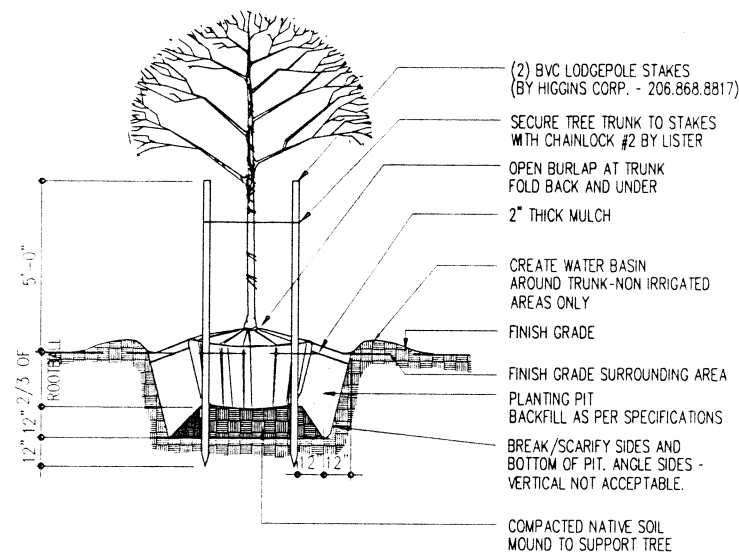
DR  
 PARTNER IN CHARGE  
 PROJECT MANAGER  
 PROJECT ARCHITECT  
 NAME  
 DR/AS  
 DES



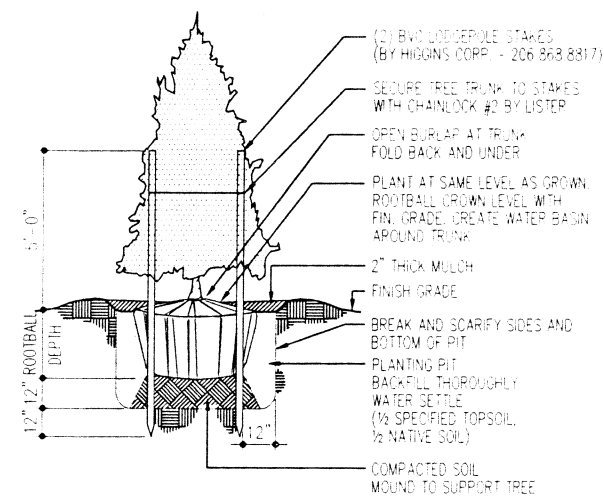
**PLANTING PLAN**

98080.00  
 PROJECT NO.  
 MAY 18, 1999  
 DATE

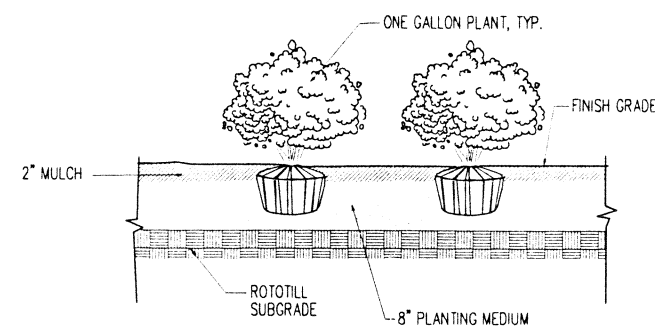
**L4.1**  
 CONSTRUCTION SET  
 COPYRIGHT © 1999 MITHUN PARTNERS, INC.



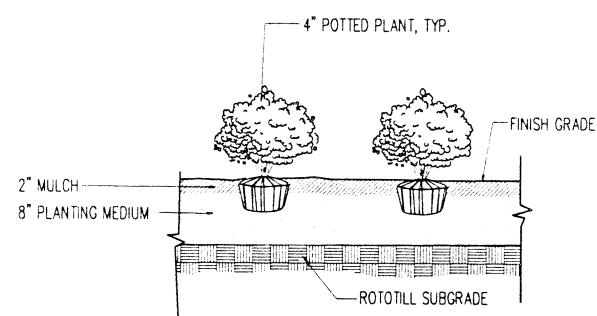
1 TYP. DECIDUOUS TREE PLANTING DETAIL  
NO SCALE



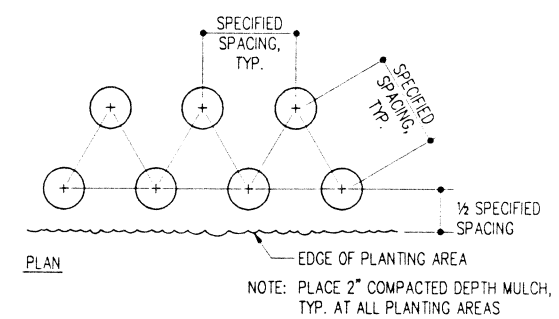
2 TYP. CONIFEROUS TREE PLANTING DETAIL  
NO SCALE



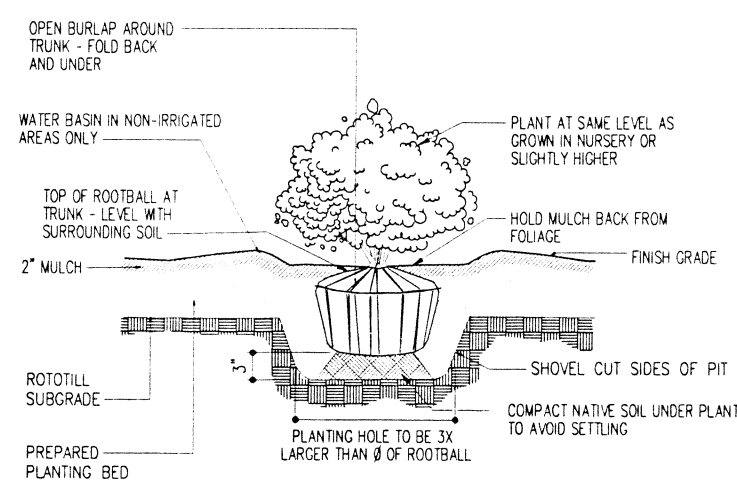
3 #1 CONTAINER PLANT'G DETAIL  
NO SCALE



4 TYP. 4" POT PLANT'G DETAIL  
NO SCALE



5 TYP. SHRUB/GROUNDCOVER LAYOUT  
NO SCALE



6 TYP. CONT./B&B SHRUB PLANT'G DETAIL  
NO SCALE

SCIENTIFIC/Common Name	SIZE/REMARKS
GLEDITSIA TRIACANTHOS 'HALKA' HALKA HONEYLOCUST	3" CALIPER, 14'-16' HT., BB. SYMMETRICALLY BRANCHED SPECIMENS
ROBINIA PSEUDOACACIA 'PURPLE ROBE' PURPLE ROBE LOCUST	1.5" CALIPER, 10'-12' HT., CONTAINER OR BB, SYMMETRICAL PRIMARY BRANCHING AND UNIFORM HEAD WITH NO GAPS.
CALOCEDRUS DECURRENS INCENSE CEDAR	6'-8' HT., BB, COLUMNAR FORMS.
PINUS CONTORTA var. CONTORTA SHORE PINE	5'-6' HT., BB.
RHUS TYPHINA STAGHORN SUMAC	6'-8' HT., BB, 3-5 STEMS, LATERAL BRANCHING.
ARBUS UNEDO 'COMPACTA' STRAWBERRY TREE	#5 CONTAINER
CEANOTHUS 'JULIA PHELPS' WILD LILAC	#5 CONTAINER
CISTUS CORBARIENSIS WHITE ROCKROSE	#1 CONTAINER
FRAGARIA CHILGONSIS WILD STRAWBERRY	4" POT @ 18" O.C. TRIANGULAR SPACING
LAVANDULA ANGUSTIFOLIA 'MUNSTEAD' MUNSTEAD LAVENDER	#1 CONTAINER
MISCANTHUS SINENSIS 'YAKU JIMA' DWARF MAIDEN GRASS	#1 CONTAINER, VIGOROUS ESTABLISHED CLUMPS
MYRICA CALIFORNICA PACIFIC WAX MYRTLE	#5 CONTAINER
PINUS MUGO var. MUGO MUGO PINE	15" HT. & SPRD., BB, UPRIGHT & OPEN HABIT. DWARF, SHORT NEEDLE FORMS NOT ACCEPTABLE
POTENTILLA FRUITICOSA 'ABBOTSWOOD' ABBOTSWOOD BUSH CINQUEFOIL	#1 CONTAINER
RHUS GLABRA SMOOTH SUMAC	#5 CONTAINER, 3-5 STEMS, 30"-36" HT.
ROSA RUGOSA SEA TOMATO	#1 CONTAINER, 65% PINK/35% WHITE. MIX RANDOMLY
ROSMARINUS O. 'TUSCAN BLUE' ROSEMARY	#5 CONTAINER
SPIRAEA DOUGLASHI HARDHACK SPIRAEA	#1 CONTAINER
NO SYMBOL THYMUS SERPYLLUM CREEPING THYME	2" SQUARE PLUGS FROM FLATS @ 12" O.C.
VIBURNUM DAVIDII DAVIDS VIBURNUM	#1 CONTAINER
AMMOPHILA ARENARIA BEACHGRASS	HEALTHY, VIGOROUS CULMS GROWN IN COMMERCIAL NURSERY, 3 PER HOLE, HOLES AT 15" O.C. TRIANGULAR SPACING
(C) BIOSWALE SEEDING	APPLICATION RATE: 6 LBS/1000 SF SEED MIX: 40% DWARF TALL FESCUE 30% PERENNIAL RYE GRASS 25% CREEPING RED FESCUE 5% BIRDSFOOT TREFOLI
(B) LAWN SEEDING	APPLICATION RATE: 6 LBS/1000 SF SEED MIX: 34% TIFFANY CHEWINGS FESCUE 33% NORDIC HARD FESCUE 33% FENWAY RED FESCUE
(A) EROSION CONTROL SEEDING	APPLICATION RATE: 20 LBS/ACRE SEED MIX: 12.5% FESTUCA DIVINA 12.5% CHRYSANTHEMUM MAXIMUM 37.5% ESCHOLZIA CALIFORNICA 37.5% LUPINUS PERENNIS

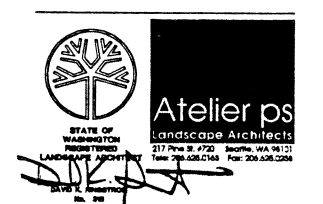


# SUN HEALTHCARE SYSTEMS, INC.

## CAMPUS: PHASE ONE

### ANACORTES, WASHINGTON

DATE	REVISION
1	6/15/99



PLANTING SCHEDULE  
AND DETAILS

98060.00  
MAY 18, 1999

L4.2  
CONSTRUCTION SET





