ROMTEC

PLAN SET NO 17587

MYRA LINN PARK
RIVERSIDE, CALIFORNIA

* APPROVED *
CITY OF RIVERSIDE
BUILDING & SAFETY

THIS APPROVAL DOES NOT AUTHORIZE VIOLATION OF ANY PROVISIONS OF STATE OR LOCAL BUILDING REGULATIONS NOR DOES IT PREVENT REQUIRING CORRECTIONS OF ANY ERROR SUBSEQUENTLY IDENTIFIED ON THESE PLANS OR CONSTRUCTED DUE TO ERRORS IN THESE PLANS

Permit: 08 - 2291
Date: 09-22-08
By: P. Hamilton/B. Kaijah (SSK)

DESIGN LOADS

ROOF: LIVE LOAD	20 PSF
ROOF: DEAD LOAD	5 PSF
WALL DEAD LOAD	80 PSF
IBC SEISMIC DESIGN CATEGORY	D
DESIGN WIND SPEED	85 MPH, EXPOSURE B
ALLOWABLE SOIL BEARING	1500 PSF

ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

CUSTOMER: CITY OF RIVERSIDE
BUILDING: SIERRA III MULTI-USER VALUE RESTROOM
LOCATION: 4540 MEREDITH ST
LOCATION: RIVERSIDE, CALIFORNIA

NOTE:
THESE PLANS AND THIS DESIGN ARE THE PROPERTY OF ROMTEC, INC. ANY USE OF THESE PLANS AND/OR THIS DESIGN FOR ANY OTHER PURPOSE THAN THE CONSTRUCTION OF A BUILDING SUPPLIED BY ROMTEC, INC. IS PROHIBITED.

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND ORDINANCES, AND SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND THE 2006 IBC STANDARDS. IN CALIFORNIA, THIS PROJECT SHALL COMPLY WITH THE 2006 CALIFORNIA BUILDING CODE (TITLE 24), WHICH ADOPTS THE 2006 IBC, 2000 UMC, 2006 IPC, AND THE 1999 NEC STANDARDS. ALL WORK SHALL MEET OR EXCEED INDUSTRY STANDARDS FOR MATERIALS, WORKMANSHIP, ETC.

2. CONTRACTOR SHALL REVIEW THE DRAWINGS THOROUGHLY BEFORE PROCEEDING WITH ANY WORK. ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF ROMTEC OR THE ENGINEER. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK HE KNOWS TO BE IN CONFLICT WITH OTHER WORK, OR IS NOT APPROVED BY CODE, UNTIL RESOLVED BY ROMTEC OR THE ENGINEER.

3. CONTRACTOR SHALL MAINTAIN GENERAL LIABILITY INSURANCE AND WORKER'S COMP. INSURANCE.

4. FOOTINGS SHALL BE CONSTRUCTED ON UNDISTURBED NATIVE SOIL OR ENGINEER APPROVED FILL. BACKFILL AROUND BUILDING TO PROVIDE SLOPE AWAY FROM BUILDING AT 1/4" PER 1 FOOT MINIMUM.

5. CAST-IN-PLACE CONCRETE: 2500 PSI MINIMUM STRENGTH AT 28 DAYS 4" TO 5" SLUMP. BROOM FINISH INTERIOR SURFACES AND EXTERIOR SLABS. ALL CMU MUST BE FULLY GROUTED AND NOT BE WETTED. CMU IS MANUFACTURED TO ASTMC90-02 STANDARDS WITH A MIN COMPRESSIVE STRENGTH Fm = 1500 PSI. CONCRETE GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. FINE OR COURSE GROUT MAY BE USED IN ACCORDANCE WITH 2006 CBC. REFER TO TESTING REQUIREMENTS IN SPECIFICATIONS.

6. ANCHOR AND MACHINE BOLTS SHALL BE ASTM A307. TS STEEL BEAMS SHALL BE ASTM A500 GRADE B, Fy = 46 ksi. WIDE FLANGE BEAMS SHALL BE ASTM A992, Fy = 50 ksi. STEEL PLATES & SHAPES SHALL BE ASTM A36, Fy = 36 ksi. CONCRETE REINFORCING STEEL (REBAR): 60 ksi. (GRADE 60). WOOD FRAMING SHALL BE #2 & BTR DOUGLAS FIR, UNO.

7. REFER TO SHEET A2.1 TO DETERMINE WHICH INTERIOR WALLS ARE TO RECEIVE FIBERGLASS REINFORCED PANELS. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS. INSTALL BY MECHANICAL & ADHESIVE ATTACHMENT PER MANUFACTURER'S INSTRUCTIONS.

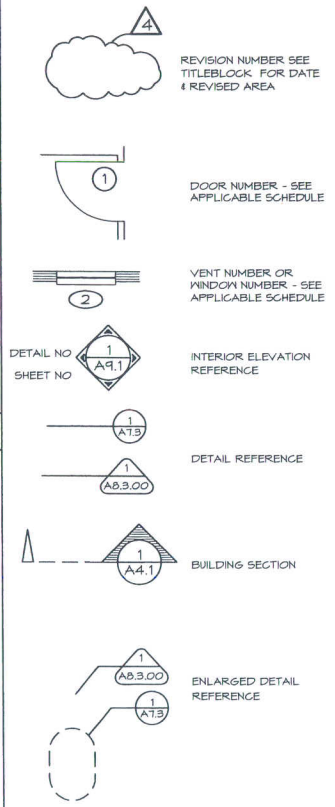
8. QUESTIONS CONCERNING MATERIALS OR CONSTRUCTION CONTACT ROMTEC TECHNICAL ASSISTANCE AT: 541-496-3541

9. ROMTEC WRITTEN SPECIFICATIONS IDENTIFY SPECIFIC MANUFACTURER & BRAND OF ALL PLUMBING AND ELECTRICAL FIXTURES AND ACCESSORIES. THE SPECIFICATIONS ARE THE AUTHORITY FOR DEFINING WHO IS RESPONSIBLE FOR WORK PERFORMANCE AND SUPPLYING ALL ITEMS ASSOCIATED WITH THE INSTALLATION OF THIS BUILDING. ROMTEC WRITTEN SPECIFICATIONS SHALL SUPERSEDE PLAN SET DETAILS.

10. THE OWNER / CONTRACTOR MAY EXERCISE DISCRETION IN SELECTING THE FINAL LOCATION FOR NON-DIMENSIONED ACCESSORIES AND FIXTURES (E.G., LIGHTS, COMFORT HEATERS, ETC.)

ABBREVIATIONS

AB	ANCHOR BOLT	MR	METAL ROOFING	VB	VAPOR BARRIER
AFF	ABOVE FINISHED FLOOR	ND	NAPKIN DISPOSAL	VTR	VENT THROUGH ROOF
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE	WH	WATER HEATER
BOT	BOTTOM	OC	ON CENTER	WH	WALL HYDRANT
BP	BREAKER PANEL	OCEW	ON CENTER EACH WAY	WWM	WOVEN WIRE MESH
CJ	CONTROL JOINT	OSB	ORIENTED STRAND BOARD	W/	WITH
CO	CLEAN OUT	P	PHOTO EYE		
CMU	CONCRETE MASONRY UNIT	PCC	PORTLAND CEMENT COMPANY		
DIA	DIAMETER	PL	PLATE		
DD	DIAPER DECK	PSF	POUNDS PER SQUARE FOOT		
EM	ELECTRIC METER	PSI	POUNDS PER SQUARE INCH		
EW	EACH WAY	PT	PRESSURE TREATED		
FD	FLOOR DRAIN	REQD	REQUIRED		
FF	FINISHED FLOOR	R4S	ROUGH FOUR SIDES		
FG	FINISHED GRADE	SCH	SCHEDULE		
FRP	FIBERGLASS REINFORCED PANEL	SD	SOAP DISPENSER		
GB	GRAB BAR	SJ	SAW JOINT		
GLB	GLUE LAMINATED BEAM	SM	SHEET METAL		
HB	HOSE BIB	S4S	SURFACED FOUR SIDES		
HD	HAND DRYER	TBD	TO BE DETERMINED		
HM	HOLLOW METAL (DOOR)	TD	PAPER TOWEL DISPENSER		
KSI	KIPS PER SQUARE INCH	T&B	TOP & BOTTOM		
MBP	MAIN BREAKER PANEL	TLT	TOILET		
MD	MAIN DISCONNECT	TP	TOILET PAPER DISPENSER		
MIN	MINIMUM	TSCD	TOILET SEAT COVER DISPENSER		
MIR	MIRROR	TYP	TYPICAL		
MO	MASONRY OPENING	UNO	UNLESS NOTED OTHERWISE		



SYMBOL LEGEND

SHEET SCHEDULE

	SHEET	CONTENTS
1	G1	COVER SHEET, GENERAL NOTES
2	G2	DESIGN CRITERIA & CODE SUMMARY
3	A1.1	SITE PLAN
4	A2.1	FLOOR PLAN
5	A3.1	EXTERIOR ELEVATIONS
6	A3.2	EXTERIOR ELEVATIONS
7	A4.1	BUILDING SECTIONS
8	A4.2	BUILDING SECTIONS
9	A5.1	FOUNDATION PLAN
10	A5.2	FOUNDATION DETAILS
11	A5.3	FOUNDATION DETAILS
12	A6.1.00	DOOR SCHEDULE & DETAILS
13	A6.4.70X	WINDOW SCHEDULE & DETAILS
14	A6.5.40	VENT SCHEDULE & DETAILS
15	A8.1	ROOF PLAN
16	A8.2	ROOF FRAMING PLAN
17	A8.3.38	ROOF CONNECTION DETAILS
18	A8.4.00	ROOFING DETAILS
19	A8.5.05	SKYLIGHTS DETAILS
20	A9.1	INTERIOR ELEVATIONS
21	A9.2	INTERIOR ELEVATIONS
22	A9.3.00	WALL DETAILS
23	P1	PLUMBING SCHEDULE
24	P2	PLUMBING PLAN
25	P3	PLUMBING RISER DIAGRAM
26	E1	ELECTRICAL SCHEDULE
27	E2	ELECTRICAL PLAN
28	E3	ELECTRICAL PANEL SCHEDULE
29-36	B1-B8	BLOCK PLAN

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
13 N. W. Fifth Avenue/Bend, Oregon 97701 (503) 322-1007
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: COVER SHEET GENERAL NOTES

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. G1

CODES AND STANDARDS

IBC INTERNATIONAL BUILDING CODE 2006

ACI AMERICAN CONCRETE INSTITUTE, ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

ACI AMERICAN CONCRETE INSTITUTE, ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
"SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, NINTH EDITION"

SEISMIC DESIGN DATA:

OCCUPANCY CATEGORY: II

IMPORTANCE FACTOR: 1.0

SS: 1.500

S1: 0.600

SITE CLASS: D

SDS: 1.00

SD1: 0.600

SEISMIC DESIGN CATEGORY: D

R = 5

BASE SHEAR: V = 0.20 W

BEARING WALL SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALL

ANALYSIS METHOD: EQUIVALENT STATIC FORCE METHOD

SPECIAL INSPECTIONS

CONCRETE SPECIAL INSPECTION NOT REQUIRED PER IBC 1704.4
EXCEPTION 2.3 [FOOTINGS]
EXCEPTION 3 [SLAB]

ok to field
guest inspection
approved 12/8/08 SB

SPECIAL INSPECTIONS, CONT'D

MASONRY CONSTRUCTION: LEVEL 1

INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE CRITERIA		
	CONTINUOUS	PERIODIC	IBC/UBC SECTION	ACI 530 / ASCE 5/TMS 402	ACI 530.1 / ASCE 6/TMS 602
PROPORTION OF SITE PREPARED MORTAR	-	X	-	-	ART. 2.6A
LOCATION OF REINFORCEMENT AND CONNECTORS	-	X	-	-	ART. 3.4/ 3.6A
SIZE AND LOCATION OF STRUCTURAL ELEMENTS	-	X	-	-	ART. 3.3G
TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-	X	-	SEC. 1.2.2 (e) SEC. 2.1.4 SEC. 3.1.6	-
SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	-	X	-	SEC. 1.12	ART. 2.4, 3.4
PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90?F)	-	X	SEC. 2104.3 SEC. 2104.4	-	ART. 1.8C, 1.8D
GROUT SPACE IS CLEAN	-	X	-	-	ART. 3.2D
PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHORAGES	-	X	-	SEC. 1.12	ART. 3.4
PROPORTIONS OF SITE-PREPARED GROUT	-	X	-	-	ART. 2.6B
CONSTRUCTION OF MORTAR JOINTS	-	X	-	-	ART. 3.3B ART. 3.4, 3.6A
GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS	X	-	-	-	ART. 3.5
COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS	-	X	-	-	ART. 1.5

STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE CRITERIA	
	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC/UBC REFERENCE
IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	-	ASTM A 6 OR ASTM A 568	1708.4
MANUFACTURER'S CERTIFIED MILL TEST REPORTS	-	-	ASTM A 6 OR ASTM A 568	1708.4
MATERIAL VERIFICATION OF WELD FILLER MATERIALS: IDENTIFICATION MARKINGSTO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	ASTM, ASD, SECTION A3.6; AISE LRDF, SECTION A3.5	-
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X	-	AWS D1.1	1704.3.1
SINGLE-PASS FILLET WELDS < 5/16"	-	X	AWS D1.1	1704.3.1
INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:	-	-	-	-

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1867

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: DESIGN CRITERIA AND CODE SUMMARY

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

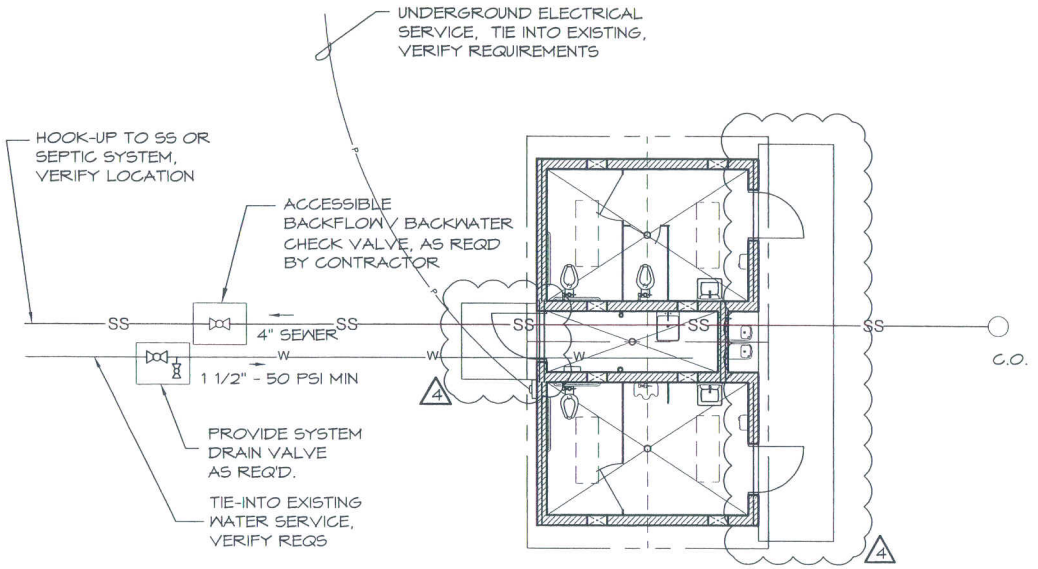
SHEET NO. G2

OWNER/ CONTRACTOR:
ADD THE FOLLOWING INFORMATION TO THE SITE PLAN ABOVE: (OR AS REQUIRED BY LOCAL BUILDING OFFICIAL:

1) LOCATE PROPERTY LINES & ADD PROPERTY DESCRIPTION
2) LOCATE ALL UTILITY TIE-INS (ELECT,PLUMB, ETC)
3) SHOW TRUE NORTH ARROW
4) LOCATE ANY EASEMENTS
5) LOCATE ACCESS TO PROPERTY
6) LOCATE EXISTING WALKS
7) LOCATE PERMANENT LANDMARKS (ROADS,STREAMS, RIVERS, ETC)
8) SHOW DISTANCES TO LANDMARKS AND/OR PROPERTY LINES
9) LOCATE AND IDENTIFY OTHER STRUCTURES ON PROPERTY

NOTE:
ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR ANY SITE DESIGN OR ENGINEERING AND WILL NOT BE HELD ACCOUNTABLE OR LIABLE FOR ANY ISSUES RELATED TO THIS SITE. IT IS THE OWNER'S RESPONSIBILITY TO ACCURATELY LOCATE THIS BUILDING, SET FLOOR AND ADJACENT ELEVATIONS, DETERMINE SITE IS SUITABLE FOR CONSTRUCTION, VERIFY ALL UTILITIES, ETC.

OWNER/ CONTRACTOR:
PLEASE REVIEW AND CONFIRM THE SPECIFIED FROST DEPTH ON SHT A5.2



1 SITE PLAN

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1697
ROMTEC 18240 NORTH BANK ROAD • ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: SITE PLAN

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

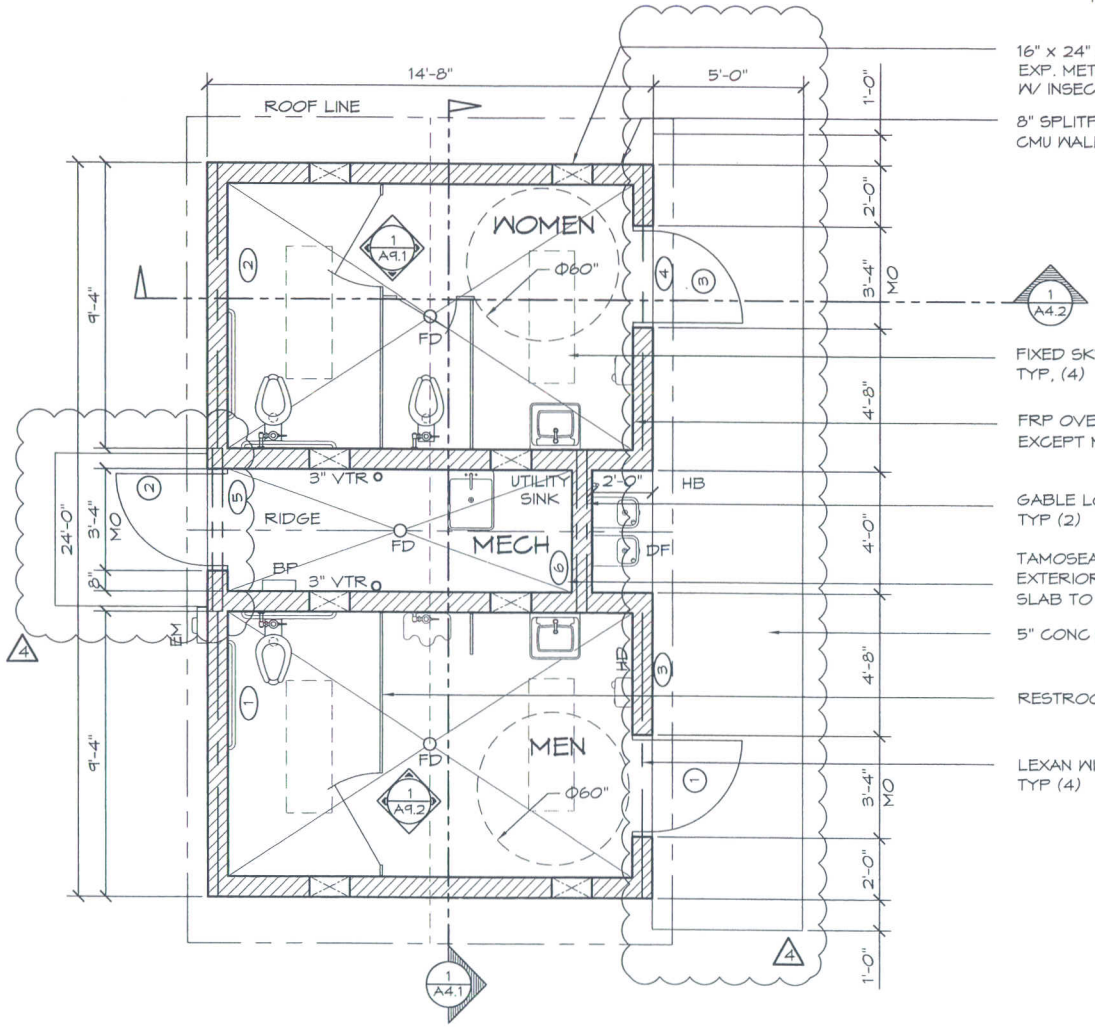
REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A1.1

WALL TYPE SCHEDULE

8" DRY STACK CMU WALL
REINFORCED & GROUT FILLED



16" x 24" KICK RESISTANT
EXP. METAL VENT
W/ INSECT SCREEN

8" SPLITFACE
CMU WALL

FIXED SKYLIGHT
TYP, (4)

FRP OVER ALL WALLS
EXCEPT MECH ROOM

GABLE LOUVERED VENT
TYP (2)

TAMOSEAL INTERIOR SIDE OF
EXTERIOR WALLS & MECH WALLS
SLAB TO CEILING

5" CONC WALK

RESTROOM PARTITION

LEXAN WINDOW
TYP (4)

NOTE:
FIXTURES AND ACCESSORIES
ARE DIMENSIONED ON SHT A9.1

TRUE NORTH
PLAN NORTH

1 FLOOR PLAN

SCALE: 1/4 = 1'-0"

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: FLOOR PLAN

PLAN SET# 17587

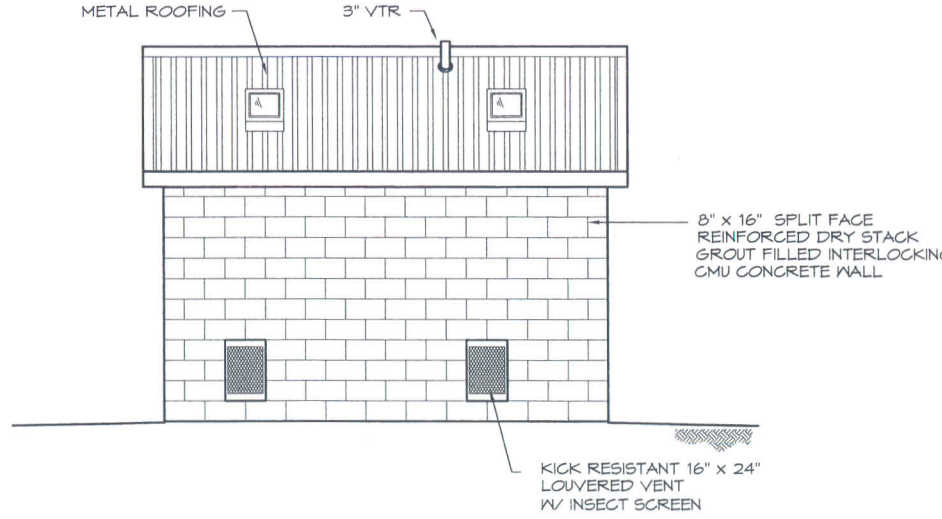
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

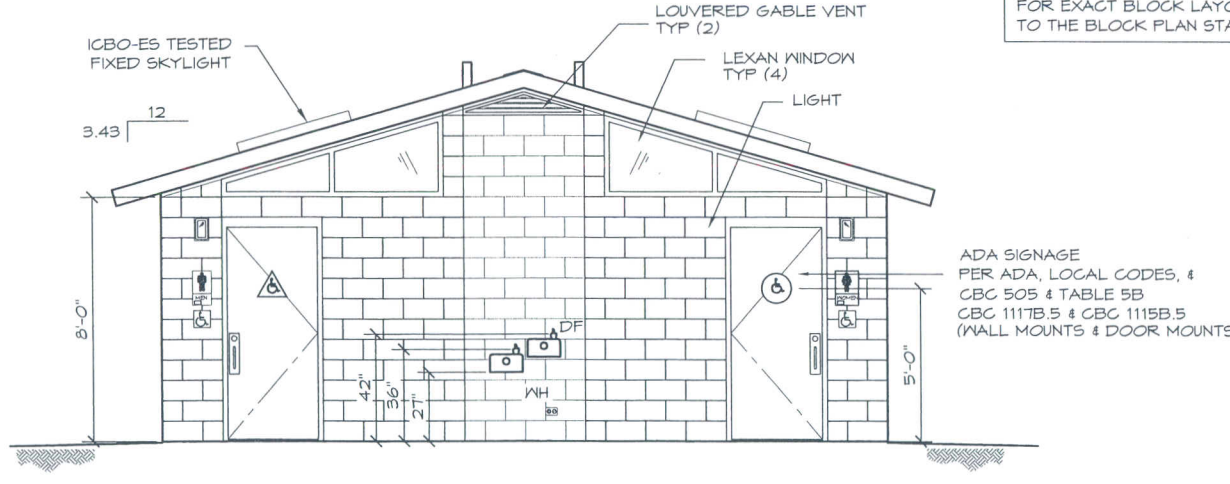
SHEET NO. A2.1



1 NORTH ELEVATION

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

NOTE:
FOR EXACT BLOCK LAYOUT, REFER TO THE BLOCK PLAN STARTING ON B1



2 EAST ELEVATION

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: EXTERIOR ELEVATIONS

PLAN SET# 17587

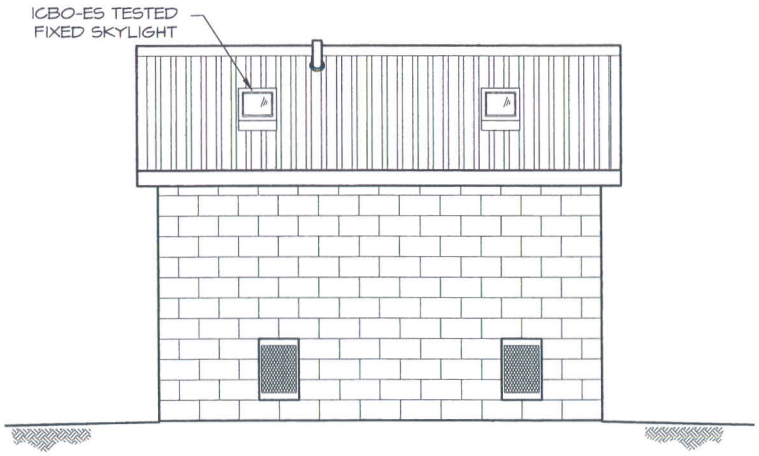
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

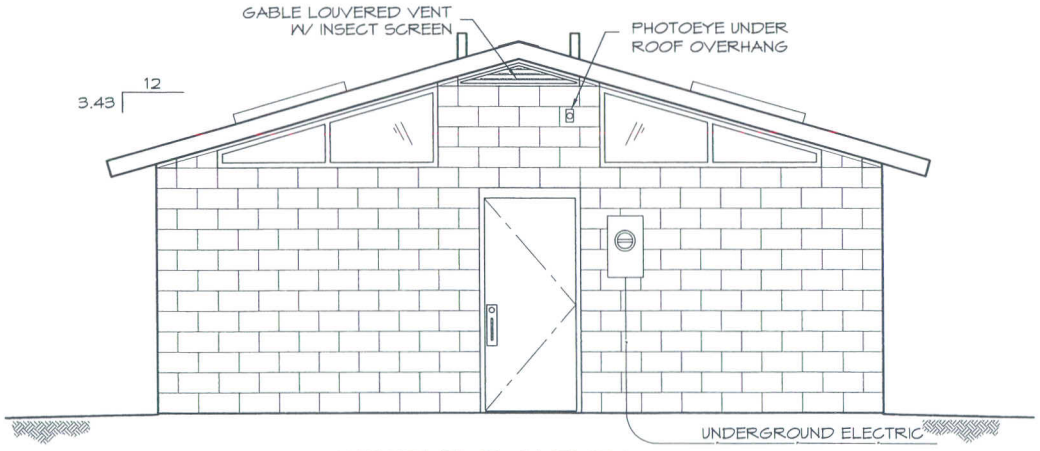
SHEET NO. A3.1



1 SOUTH ELEVATION

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

NOTE:
FOR EXACT BLOCK LAYOUT, REFER TO THE BLOCK PLAN STARTING ON B1



2 WEST ELEVATION

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC 16240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-0541 FAX (541)-496-0003

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: EXTERIOR ELEVATIONS

PLAN SET# 17587

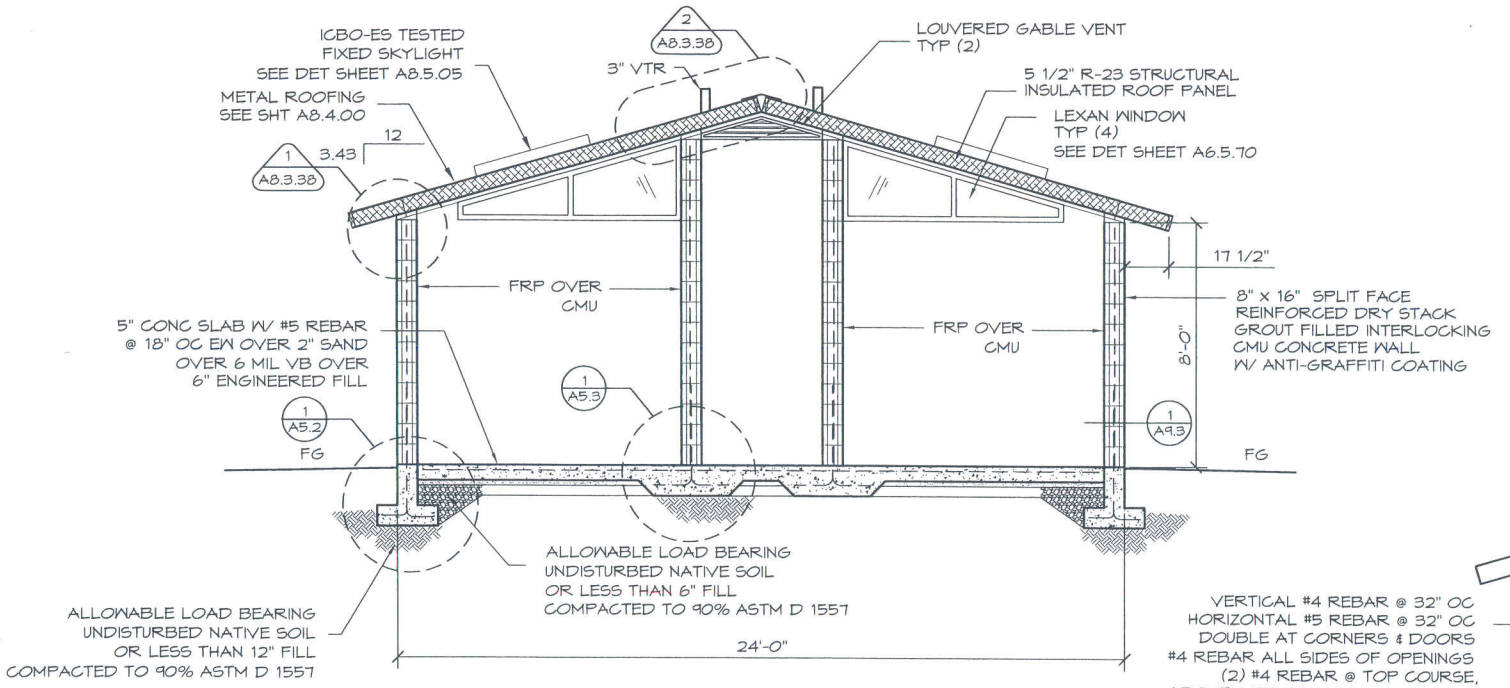
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A3.2

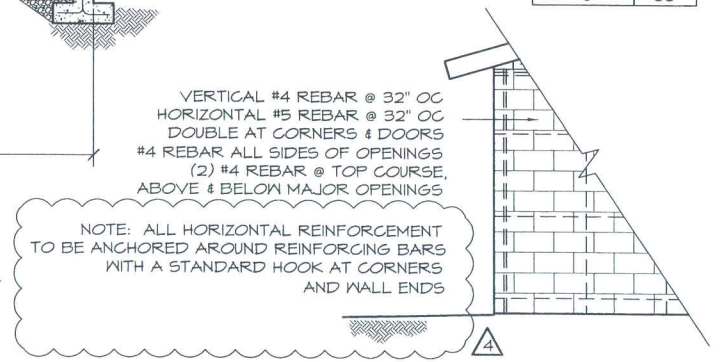


1 BUILDING SECTION

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

REBAR LAP SCHEDULE

REBAR	LAP
#4	24"
#5	30"
#6	36"



3 REBAR DETAIL

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
18 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18249 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: BUILDING SECTIONS

PLAN SET# 17587

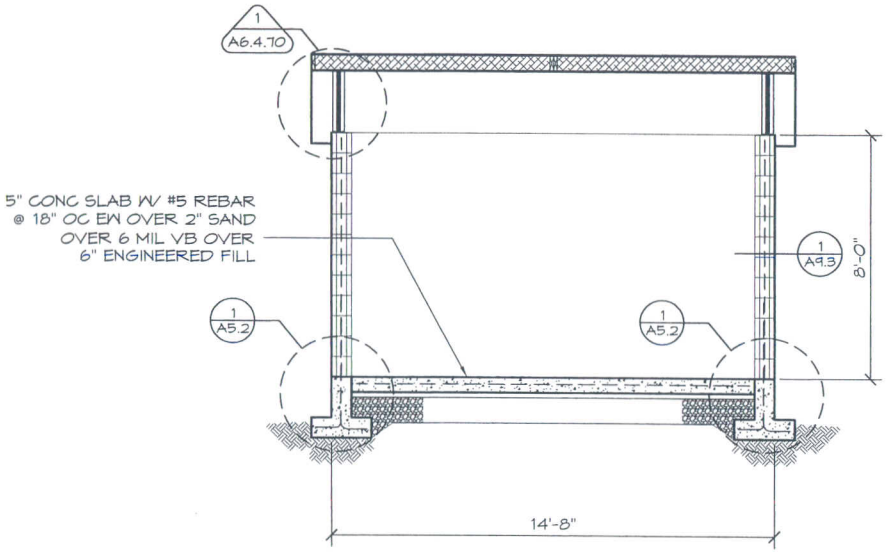
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A4.1



1 BUILDING SECTION

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HCE inc
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
3701 N. Avenue/Cross Bay, Oregon 97429 (541) 269-1158
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: BUILDING SECTIONS

PLAN SET# 17587

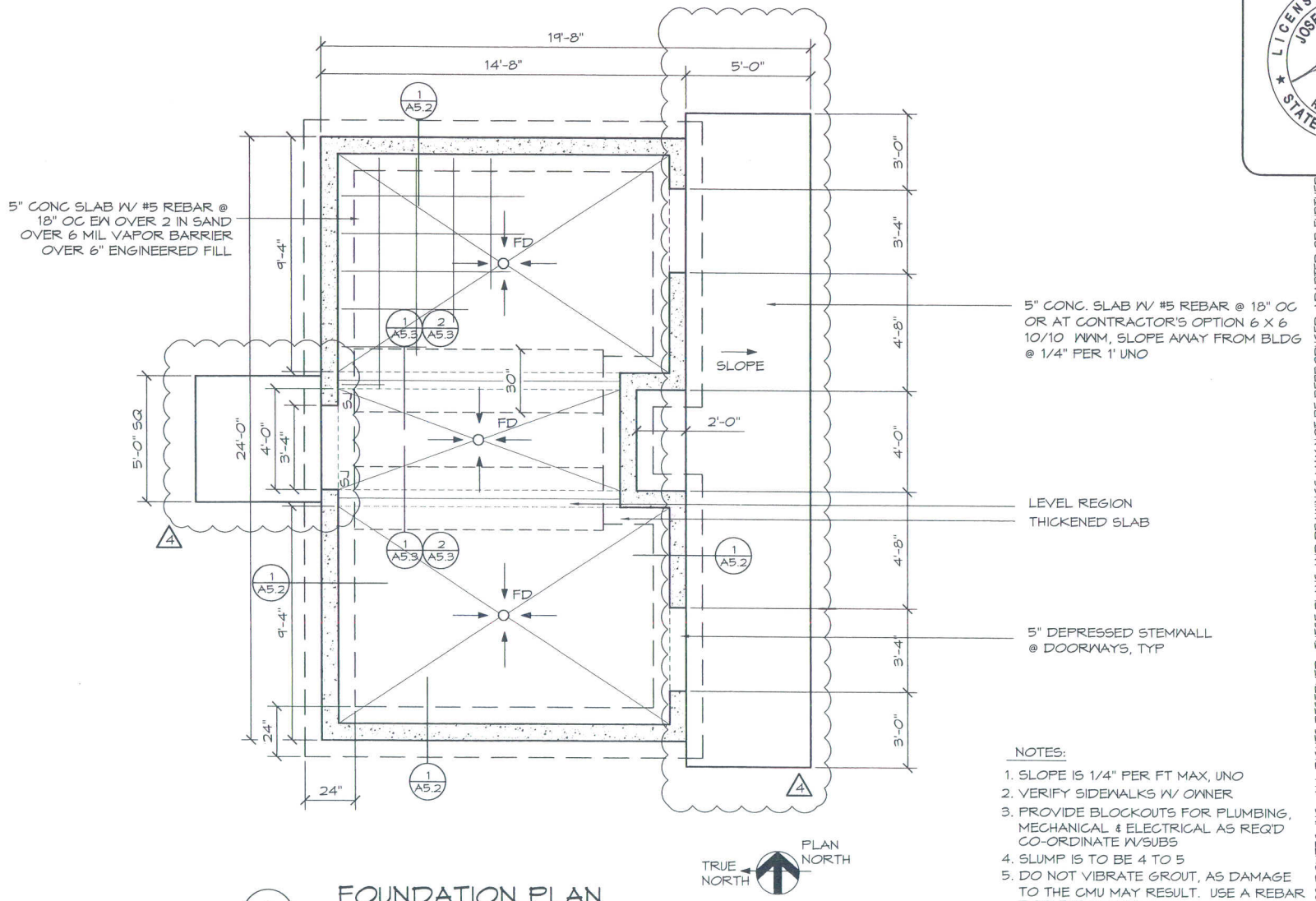
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A4.2



1 FOUNDATION PLAN

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

NOTES:

1. SLOPE IS 1/4" PER FT MAX, UNO
2. VERIFY SIDEWALKS W/ OWNER
3. PROVIDE BLOCKOUTS FOR PLUMBING, MECHANICAL & ELECTRICAL AS REQ'D CO-ORDINATE W/SUBS
4. SLUMP IS TO BE 4 TO 5
5. DO NOT VIBRATE GROUT, AS DAMAGE TO THE CMU MAY RESULT. USE A REBAR ROD THE GROUT

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1697

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: FOUNDATION PLAN

PLAN SET# 17587

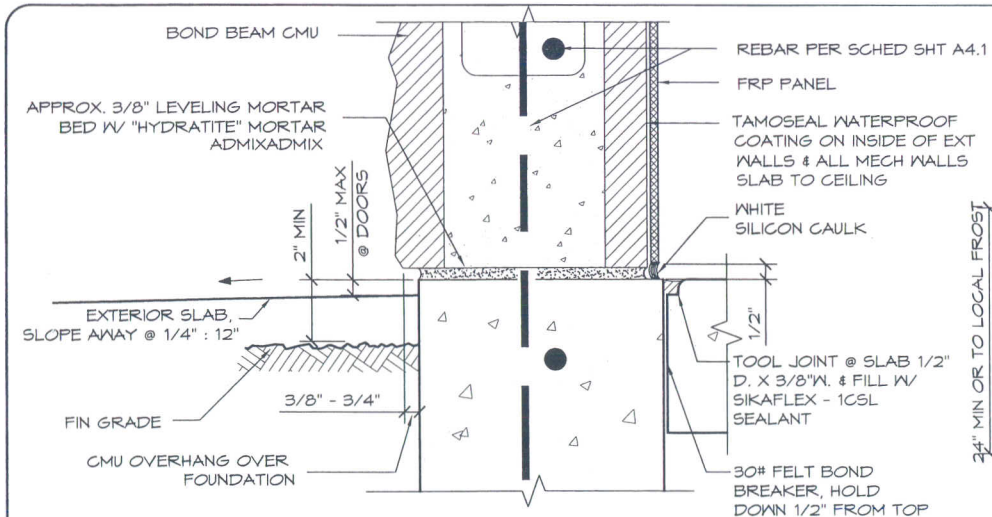
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

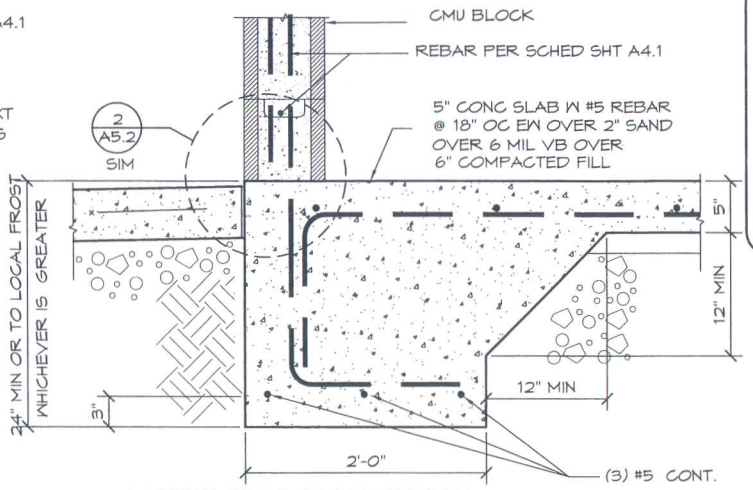
DRAWN BY: FB

SHEET NO. A5.1

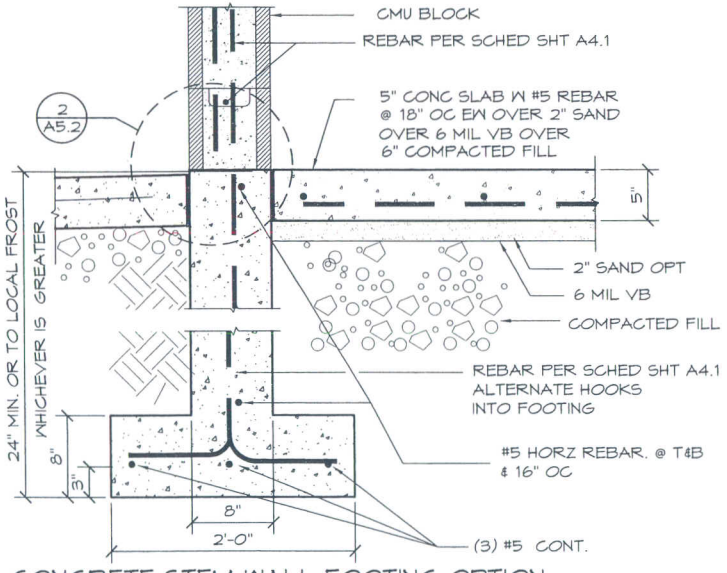


2 WALL-SLAB CONNECTION

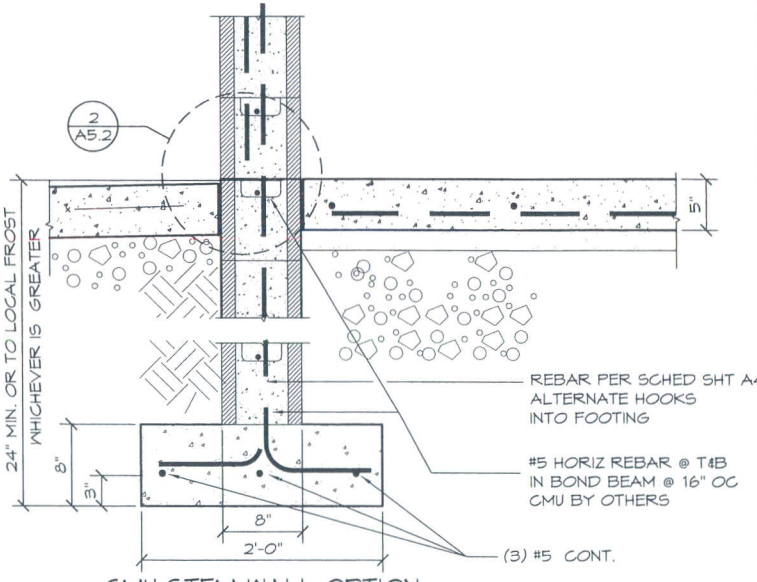
SCALE: 3" = 1'-0"



MONOLITHIC SLAB OPTION



CONCRETE STEM WALL FOOTING OPTION



CMU STEM WALL OPTION

1 FOUNDATION DETAIL

SCALE: 1" = 1'-0"

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
18 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1627
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: FOUNDATION DETAILS

PLAN SET# 17587

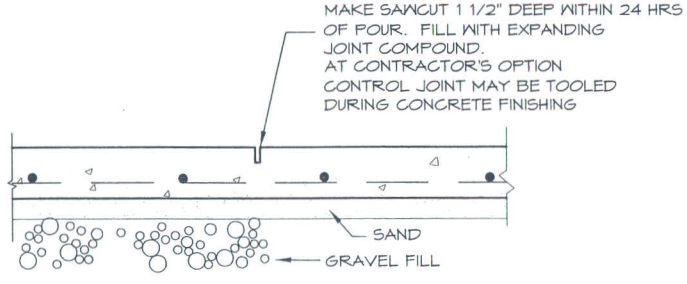
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

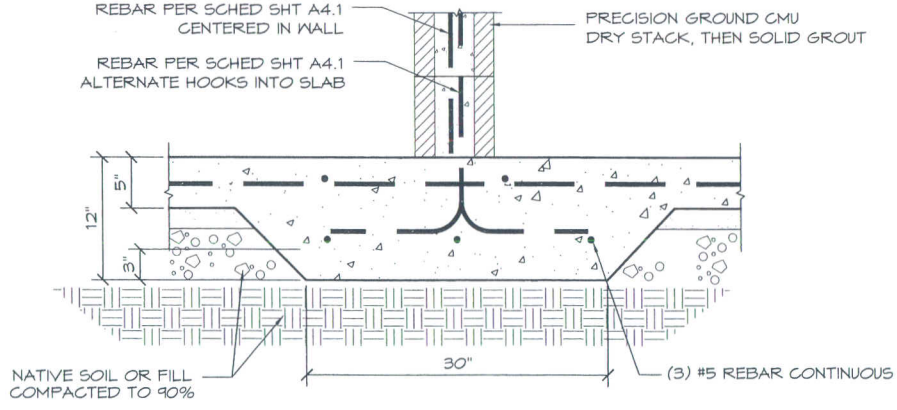
DRAWN BY: FB

SHEET NO. A5.2



2 SAWCUT JOINT

SCALE: 1" = 1'-0"



1 THICKENED SLAB AT INTERIOR WALL

SCALE: 1" = 1'-0"

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
373 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
18 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: FOUNDATION DETAILS

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A5.3

DOOR SCHEDULE - MULTI-USER CMU RESTROOM / UTILITY

NO.	SIZE W X H		MATERIAL	FRAME	HARDWARE GROUP	REMARKS
1	3'0" x 7'0" x 1 3/4"	A	HOLLOW METAL	HOLLOW METAL	1	STEELCRAFT
2	3'0" x 7'0" x 1 3/4"	A	HOLLOW METAL	HOLLOW METAL	1	STEELCRAFT
3	3'0" x 7'0" x 1 3/4"	A	HOLLOW METAL	HOLLOW METAL	1	STEELCRAFT

DOOR HARDWARE SCHEDULE

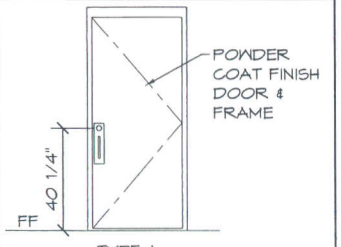
GROUP 1 (QTYS PER DOOR)

1 EACH HINGES 4.5" x 4.5" MODEL #BB5000-450-652 BY BOMMER
2 EACH HINGES 4.5" x 4.5" MODEL #4310-45X45-652 BY BOMMER (SPRING TYPE)
1 EACH FALCON LOCK D811K-626 (SCHOOLHOUSE SAFETY) CYLINDER DEADLOCK, SATIN FINISH, W/ THUMB-TURN (UNLOCK ONLY) & SCHLAGE C KEYWAY

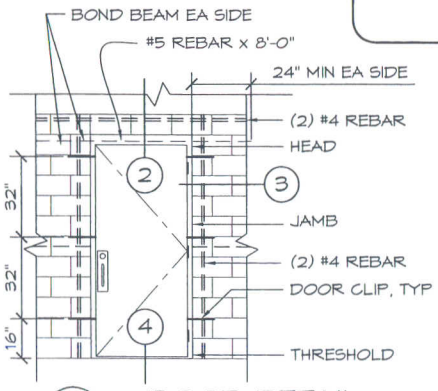
6 WIRE DOOR CLIPS

NOTE: ALL DOORS MAY BE OPENED FROM THE INSIDE W/O KEY, SPECIAL KNOWLEDGE, OR EFFORT. 5# MAX OPENING EFFORT DOOR IS EQUIPPED W/ SINGLE-EFFORT, NON-GRASP HARDWARE. DOOR COMPLIES WITH ADA REQUIREMENT FOR AN INSIDE LOCK.

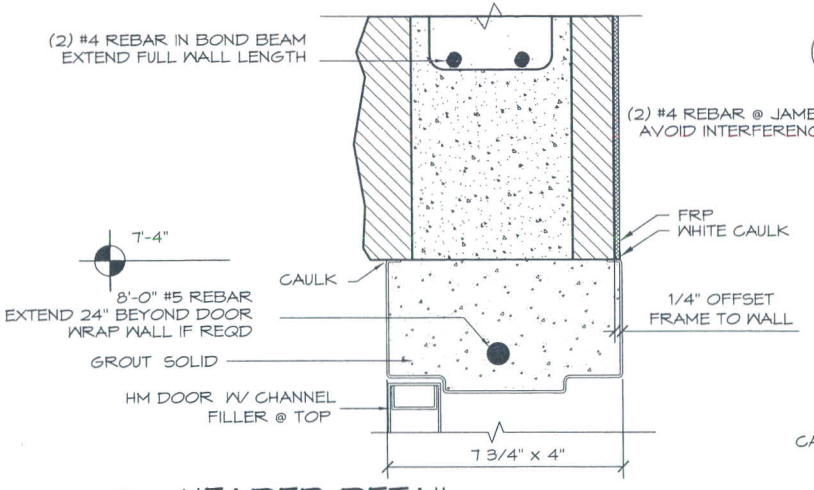
DOOR TYPES



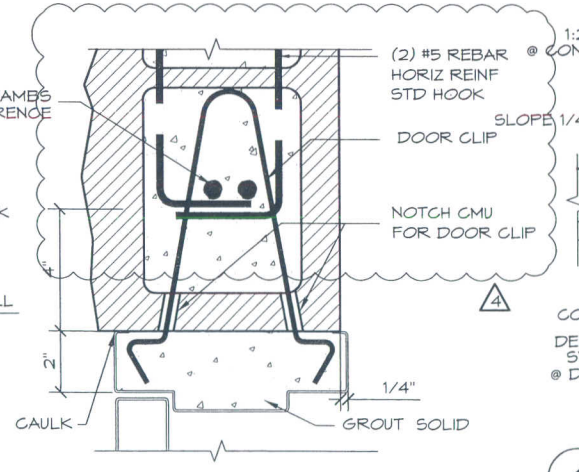
TYPE A
SINGLE (FLUSH)



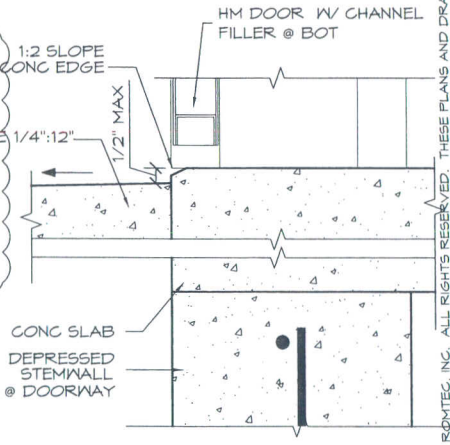
1 DOOR DETAIL
SCALE: 1/4" = 1'-0"



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



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



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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0503

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: DOOR SCHEDULE AND DETAILS

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/26/08	FB

DRAWN BY: FB

SHEET NO. A6.1.00

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

WINDOW SCHEDULE

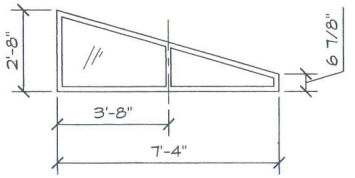
SYM	SIZE	INSIDE INSERT	SLOPE	ANCHORS SILL		ANCHORS HYP	
1	7'-4" x 2'-8" x 6 7/8"	LEXAN	3.43:12	4		8	
2	7'-4" x 2'-8" x 6 7/8"	LEXAN	3.43:12	4		8	
3	7'-4" x 2'-8" x 6 7/8"	LEXAN	3.43:12	4		8	
4	7'-4" x 2'-8" x 6 7/8"	LEXAN	3.43:12	4		8	

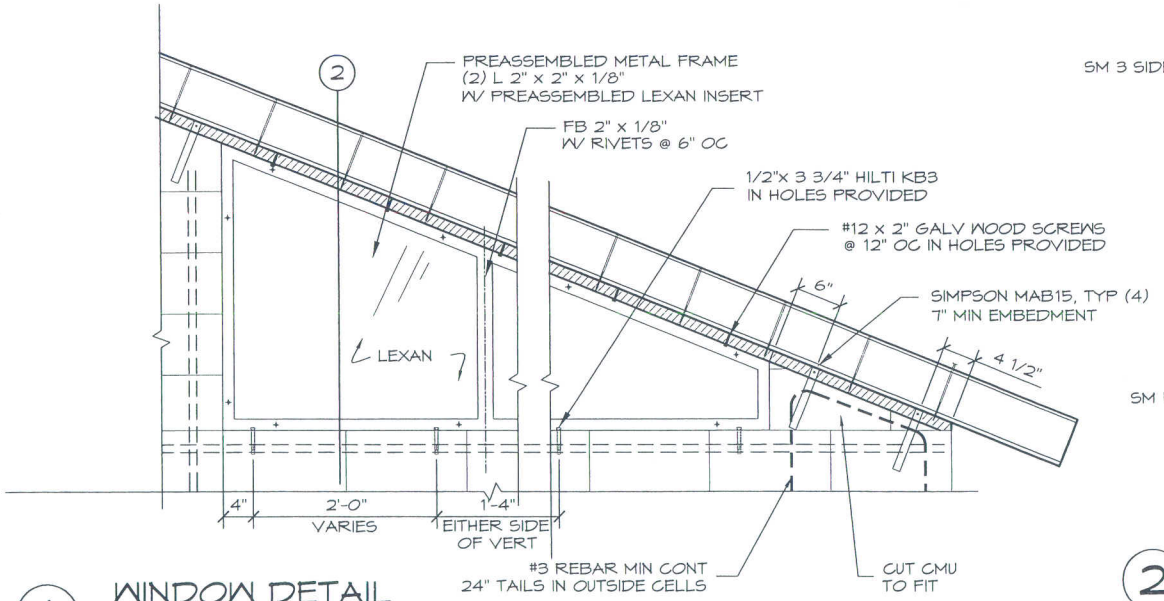
HARDWARE

QTY PER WINDOW

8 WOOD SCREWS

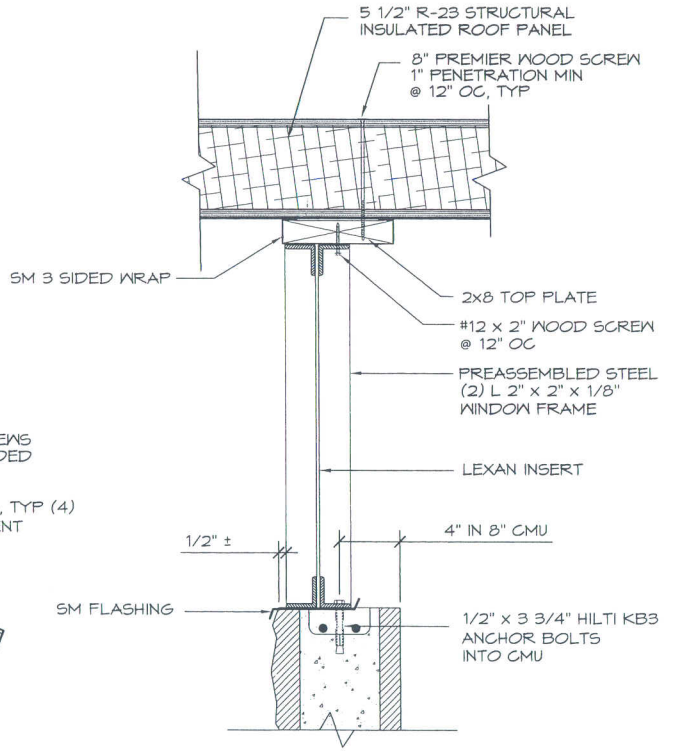
4 1/2" ANCHOR BOLTS





1 WINDOW DETAIL

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



2 WINDOW SECTION

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC.
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: WINDOW SCHEDULE AND DETAILS

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A6.4.70X

VENT SCHEDULE - PEAK 24' GABLE CMU BUILDING

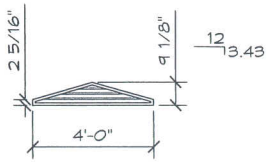
NO.	SIZE (W/ BRKT) W X H		VENT	FRAME	HARDWARE GROUP	REMARKS
5	4'-0" x 9 1/8"		GABLE	3"x2" x 1/8" STL	1	
6	4'-0" x 9 1/8"		GABLE	3"x2" x 1/8" STL	1	

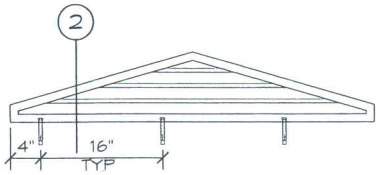
VENT HARDWARE

GROUP 1 (QTYS PER VENT)

2 1/2" ANCHOR BOLTS
4 #12 SCREWS

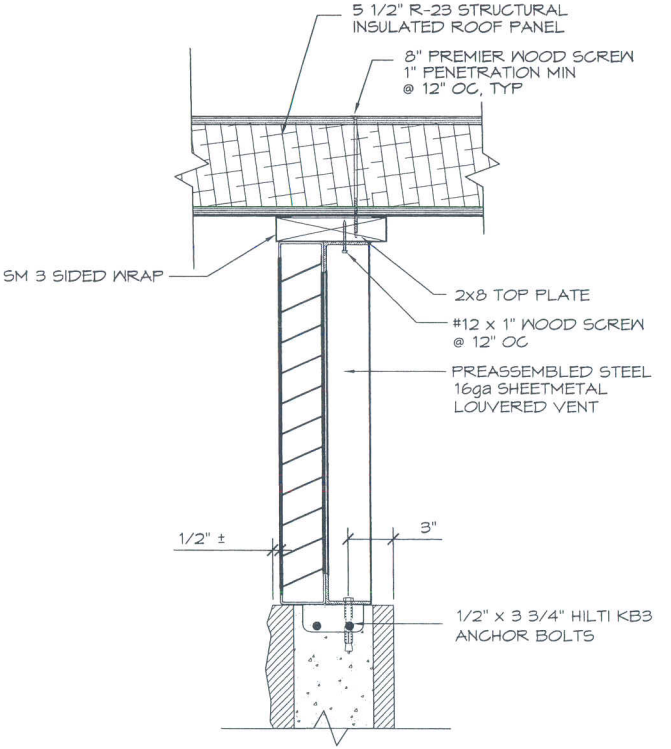
VENT TYPES





1 LOUVERED GABLE VENT DETAIL

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



2 VENT SECTION

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0293

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: VENT SCHEDULE & DETAILS

PLAN SET# 17587

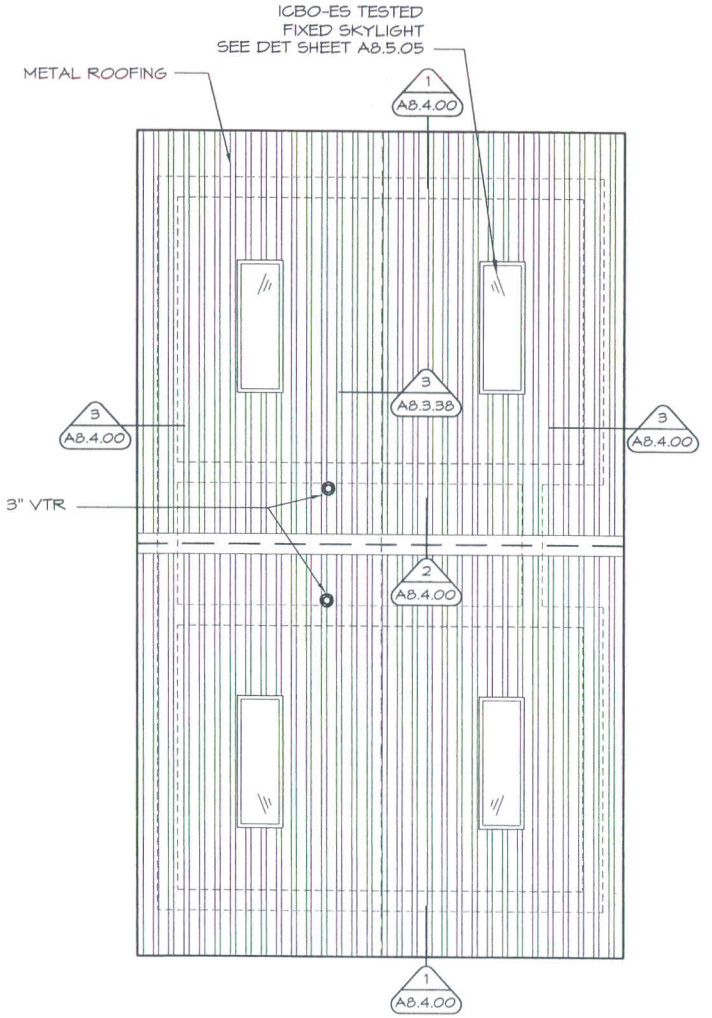
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY.
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A6.5.40



1 ROOF PLAN

SCALE: 1/4 = 1'-0"

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC.
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0893

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ROOF PLAN

PLAN SET# 17587

DATE: 05/15/08

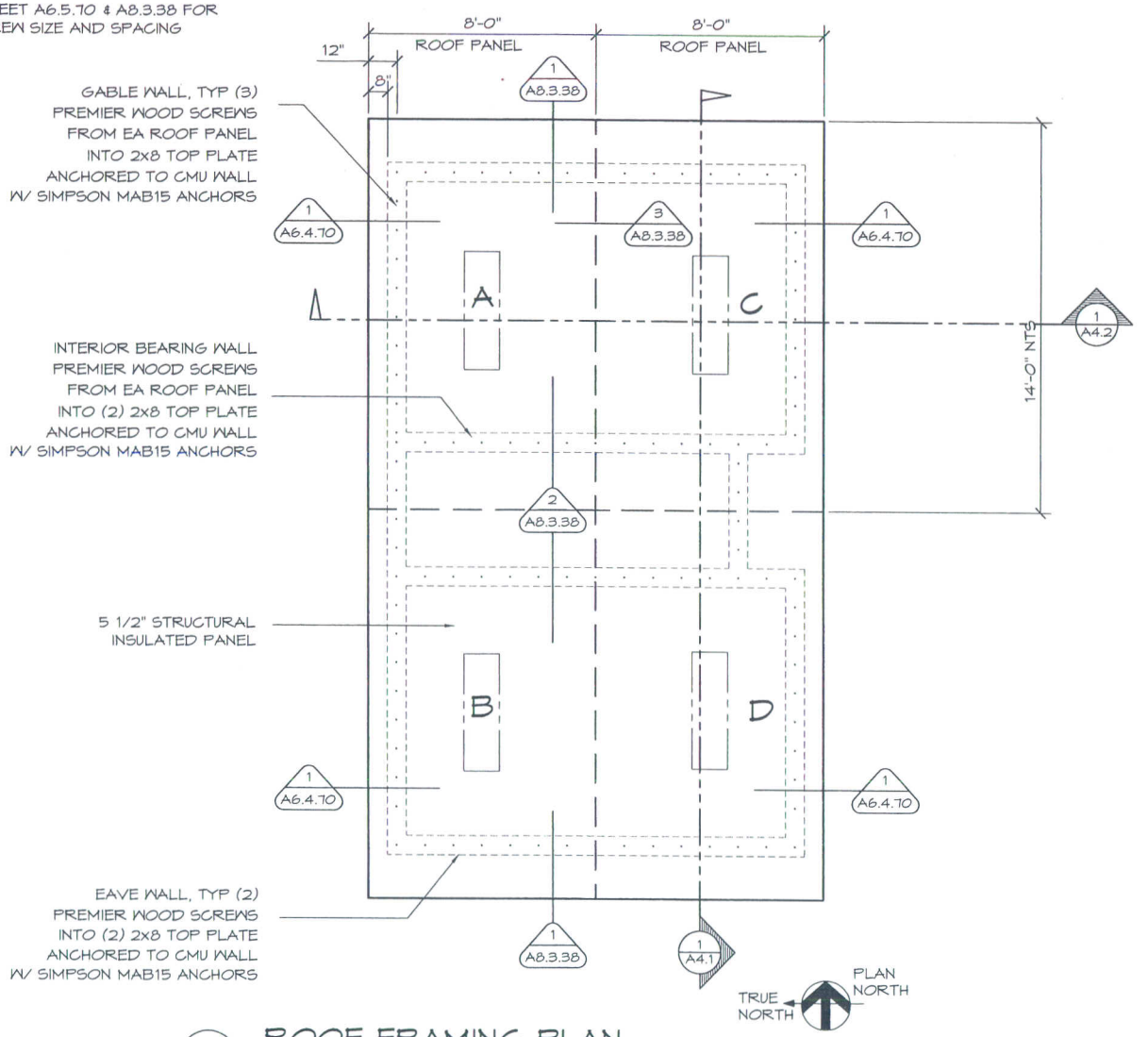
REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/26/08	FB

DRAWN BY: FB

SHEET NO. A8.1

NOTE:
REFER TO SHEET A6.5.70 & A8.3.38 FOR PREMIER SCREW SIZE AND SPACING



1 ROOF FRAMING PLAN

SCALE: 1/4 = 1'-0"

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC.
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
37 Orchard Road, Lake Forest, California 92630 (949) 583-1010
19 N. W. Fifth Avenue Portland, Oregon 97209 (503) 222-1687

ROMTEC
18200 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ROOF FRAMING PLAN

PLAN SET# 17587

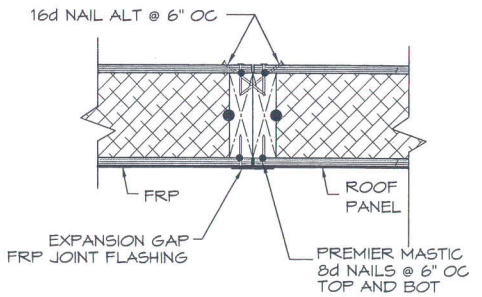
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

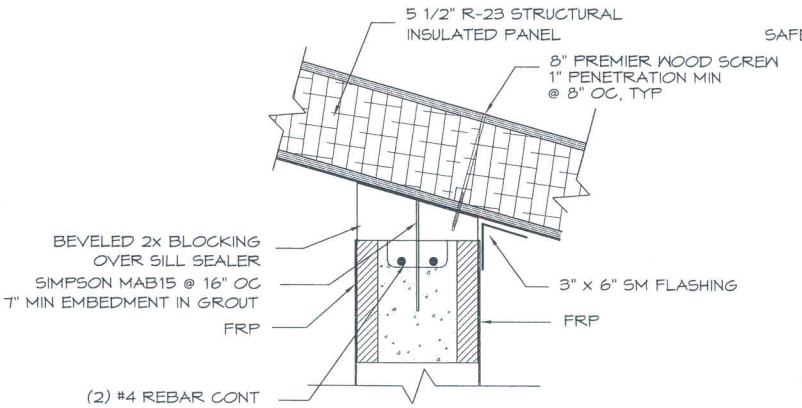
DRAWN BY: FB

SHEET NO. A8.2



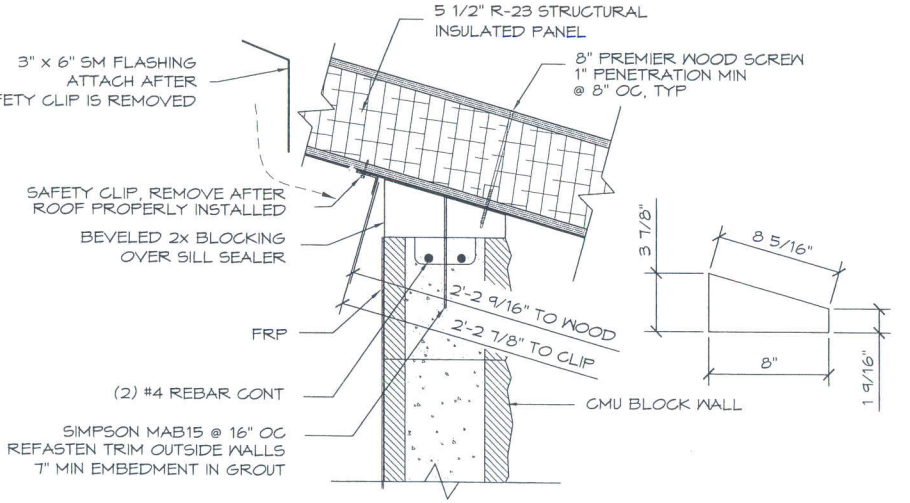
3 2x LUMBER CONNECTION PANEL/PANEL DETAIL

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



2 INTERIOR WALL DET

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



1 EAVE WALL CONNECTION DET

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

HGE INC.
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Cook Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ROOF PANEL CONNECTION DETAILS

PLAN SET# 17587

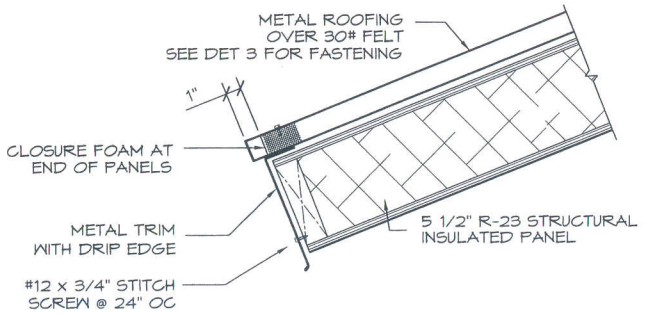
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

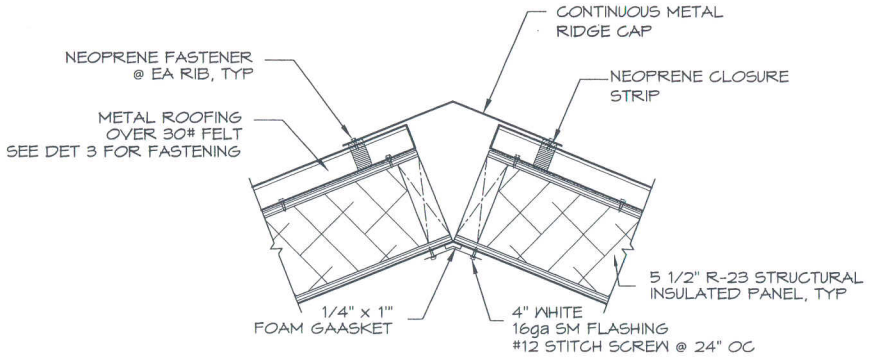
DRAWN BY: FB

SHEET NO. A8.3.38



1 EAVE ROOFING DETAIL

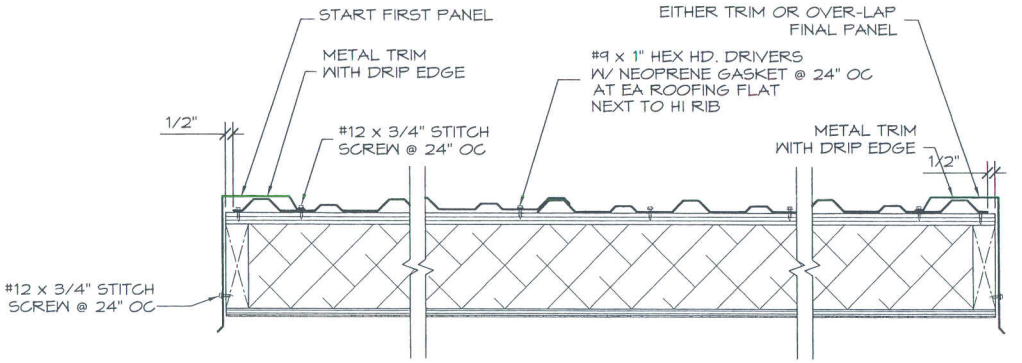
SCALE: 1 1/2" = 1'-0"



2 RIDGE ROOFING DETAIL

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

NOTE:
CONTRACTOR SHALL INSTALL ROOFING IN STRICT ACCORDANCE WITH INSTALLATION REQUIREMENTS OF ROOFING MANUFACTURER.



3 GABLE ROOFING DET

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERGROVE, CALIFORNIA
SHEET TITLE: DETAILS

PLAN SET# 17587

DATE: 05/15/08

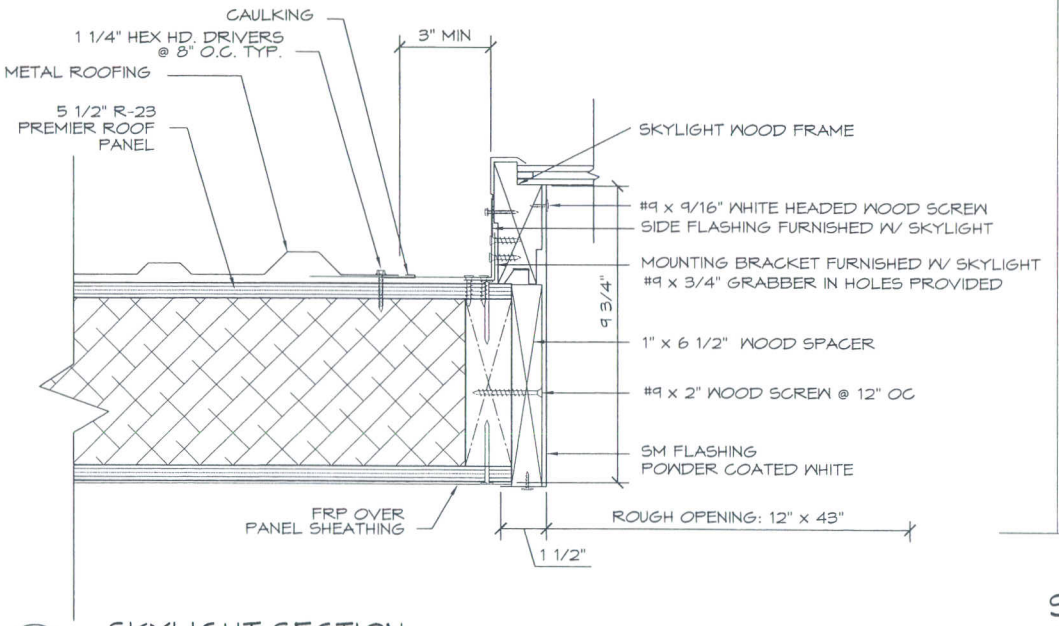
REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

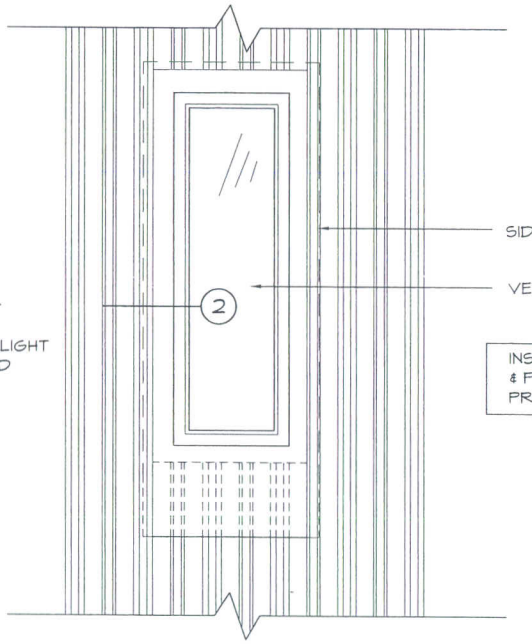
SHEET NO. A8.4.00

NOTE:
CONTRACTOR SHALL INSTALL SKYLIGHT IN STRICT ACCORDANCE WITH INSTALLATION REQUIREMENTS OF SKYLIGHT MANUFACTURER.



2 SKYLIGHT SECTION

SCALE: 3" = 1'-0"



INSTALLER SHALL LOCATE & FOLLOW DIRECTIONS PROVIDED FROM VELUX

1 SKYLIGHT W/ INTEGRAL CURB & FLASHING DETAIL

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS, & PLANNERS
3570 Vista Grande Drive, Chino Hills, CA 91709 (909) 393-1188
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 223-1887

ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: SKYLIGHT DETAILS

PLAN SET# 17587

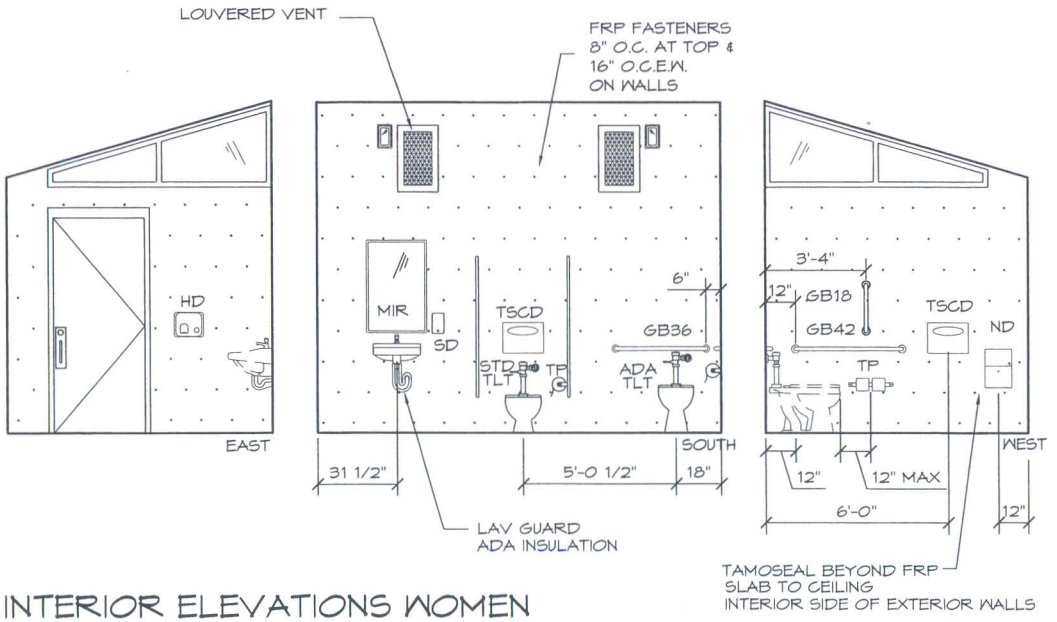
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
A	08/28/08	FB

DRAWN BY: FB

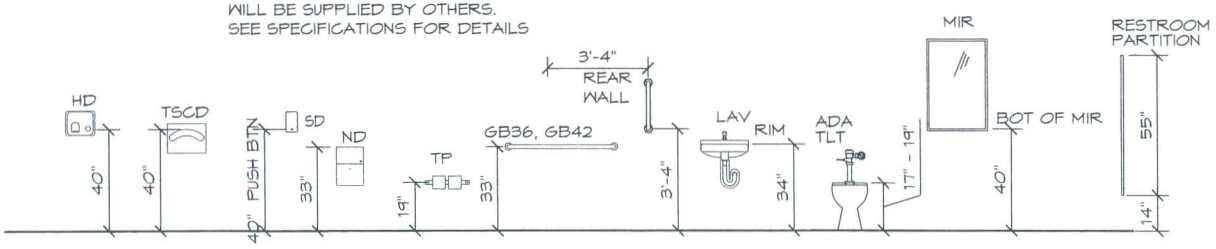
SHEET NO. A8.5.05



1 INTERIOR ELEVATIONS WOMEN

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

NOTE:
SOME FIXTURES OR ACCESSORIES
WILL BE SUPPLIED BY OTHERS.
SEE SPECIFICATIONS FOR DETAILS



NOTE: WITH THE LAV RIM
@ 34" ALL ADA DIM'S ARE MET.

ADA RESTROOM FIXTURE MOUNTING HEIGHT SCHEDULE

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1168
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18249 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0083

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: INTERIOR ELEVATIONS

PLAN SET# 17587

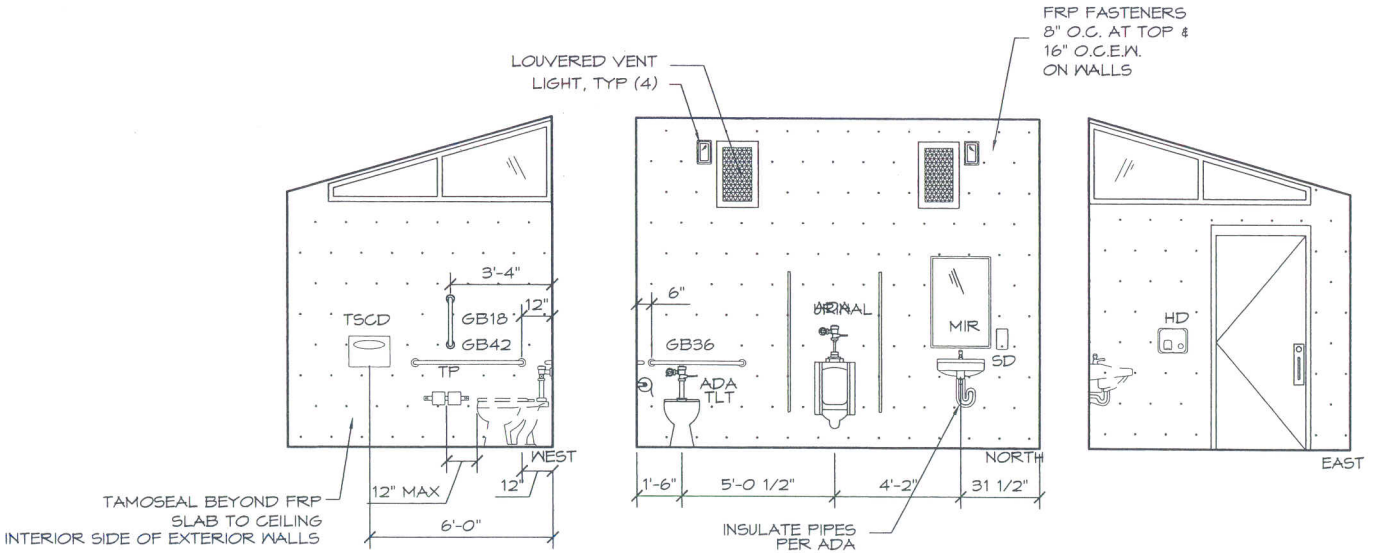
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

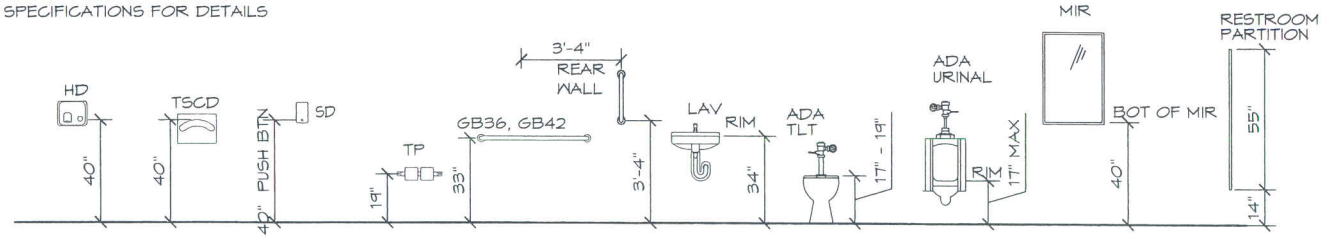
SHEET NO. A9.1



1 INTERIOR ELEVATIONS MEN

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

NOTE:
SOME FIXTURES OR ACCESSORIES
WILL BE SUPPLIED BY OTHERS.
SEE SPECIFICATIONS FOR DETAILS



NOTE: WITH THE LAV RIM
@ 34" ALL ADA DIM'S ARE MET.

ADA RESTROOM FIXTURE MOUNTING HEIGHT SCHEDULE

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)496-3541 FAX (541)496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: INTERIOR ELEVATIONS

PLAN SET# 17587

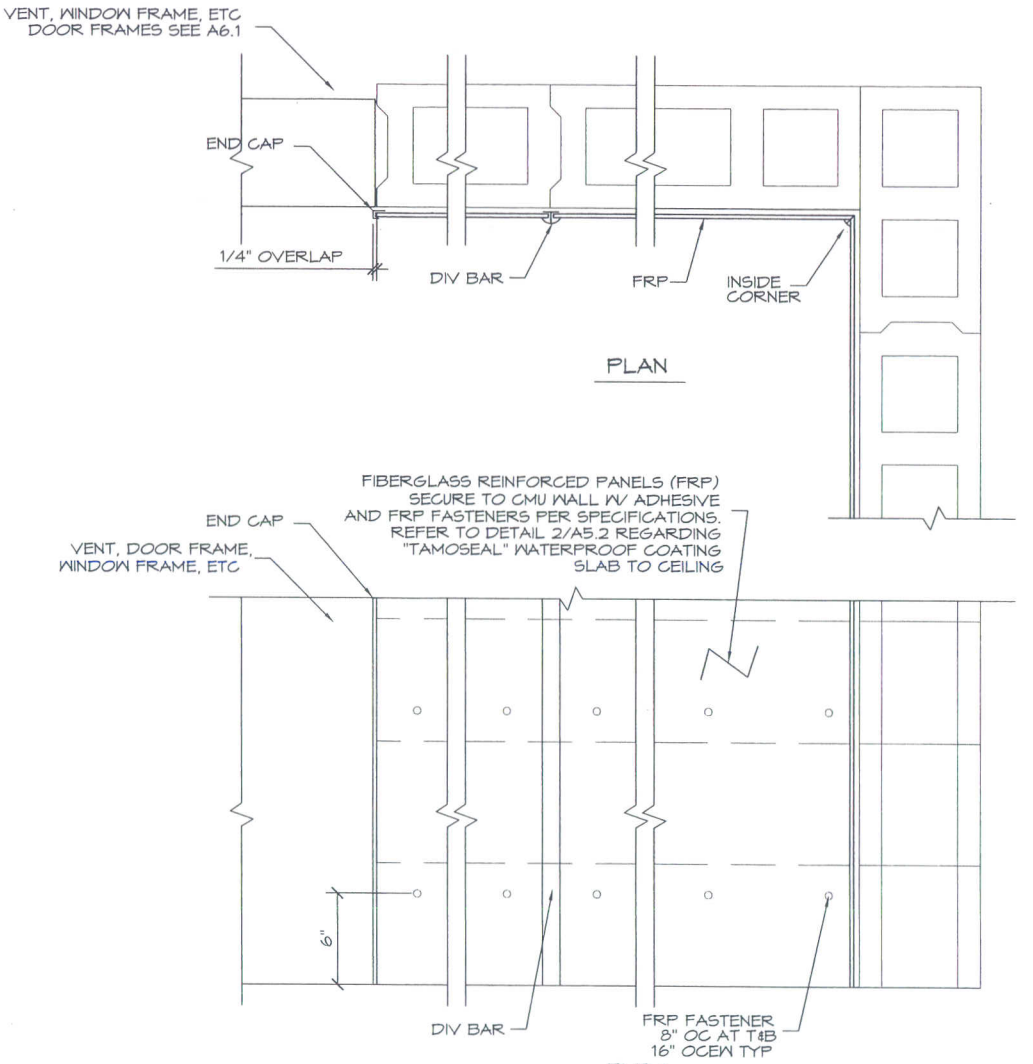
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A9.2



1 WALL FINISH DETAIL

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC.
ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: WALL DETAILS

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. A9.3.00

PLUMBING SCHEDULE

SYM	FIXTURE	SS	V	CW	HW	
WC-1	ADA TOILET	3"	2"	1"	--	MAIN IS 4" AFTER FIXTURE #4
WC-2	STD TOILET	3"	2"	1"	--	
UR-1	ADA URINAL	2"	1 1/2"	3/4"	--	
LV-1	HAND SINK	1 1/2"	1 1/2"	1/2"	--	
S-1	UTILITY SINK	2"	1 1/2"	1/2"	--	
FD-1	FLOOR DRAIN	2"	1 1/2"	--	--	
DF-1	DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"	--	
HB-1	WALL HYDRANT	--	--	3/4"	--	

NOTE: PROVIDE CLEAN-OUT BENEATH ALL SINKS AND LAV'S AS REQUIRED BY CODE
CALIFORNIA NOTE: NON-GRIP FAUCET CONTROLS COMPLY WITH CBC CHAPTER 4

GENERAL PLUMBING NOTES:

1. ALL PIPE (WATER, SEWER, VENT), JOINTS, AND WORK SHALL CONFORM TO UNIFORM PLUMBING CODE, STATE CODES, COUNTY AND LOCAL CODES AND ORDINANCES.

2. CONTRACTOR TO CONFIRM LOCATIONS OF SEWER AND WATER TIE-INS.

3. CONTRACTOR TO SUBMIT PROPOSED FIXTURES AND EQUIPMENT TO ROMTEC FOR APPROVAL PRIOR TO ORDERING.

4. CONTRACTOR TO SOLIDLY BRACE ALL PIPING TIGHT AGAINST WALLS. FOR LONG OR COMPLICATED RUNS, SECURELY MOUNT USING UNISTRUT, IN STRAIGHT AND UNIFORM MANNER FOR FINISHED APPEARANCE. PIPING SHOWN IS DIAGRAMMATIC ONLY AND ACTUAL DESIGN BY CONTRACTOR.

5. CONTRACTOR RESPONSIBLE FOR PIPE SIZING AND SHALL PROVIDE ADEQUATE WATER PRESSURE TO ALL PLUMBING FIXTURES.

6. CONTRACTOR TO DETERMINE AND PROVIDE MEANS FOR DRAINING INTERIOR WATER AND SANITARY SEWER SYSTEMS, AS WELL AS SHUTOFF OF ALL FIXTURES

7. ACCESSIBLE BACK FLOW PREVENTER AND PRESSURE REDUCING VALVE - BY CONTRACTOR

8. PLUMBING TO BE DRAINED BY GRAVITY TO SHUTOFF VALVE BOX .

9. HOT WATER TANKS REQUIRE A PRESSURE RELIEF VALVE AND A DRAIN LINE TO THE EXTERIOR OF THE BUILDING PER UPC SECTION 608.4. CONTRACTOR TO PROVIDE AND INSTALL TWO STRAPS TO THE NEAREST WALL, ONE STRAP AT TOP 1/3 OF TANK AND ONE STRAP AT BOTTOM 1/3 OF TANK, IN COMPLIANCE WITH UPC SECTION 510.5.

10. FLUSHOMETERS ASSOCIATED WITH TOILETS USE NO MORE THAN 1.6 GALLONS PER FLUSH. FLUSHOMETERS ASSOCIATED WITH URINALS USE NO MORE THAN 1.0 GALLON PER FLUSH. BOTH OF THE ABOVE SHALL MEET PERFORMANCE STANDARDS BY ANSIS A112.19.2 H&S CODE, SECTION 17921.3(b).

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
18 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: PLUMBING SCHEDULE

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

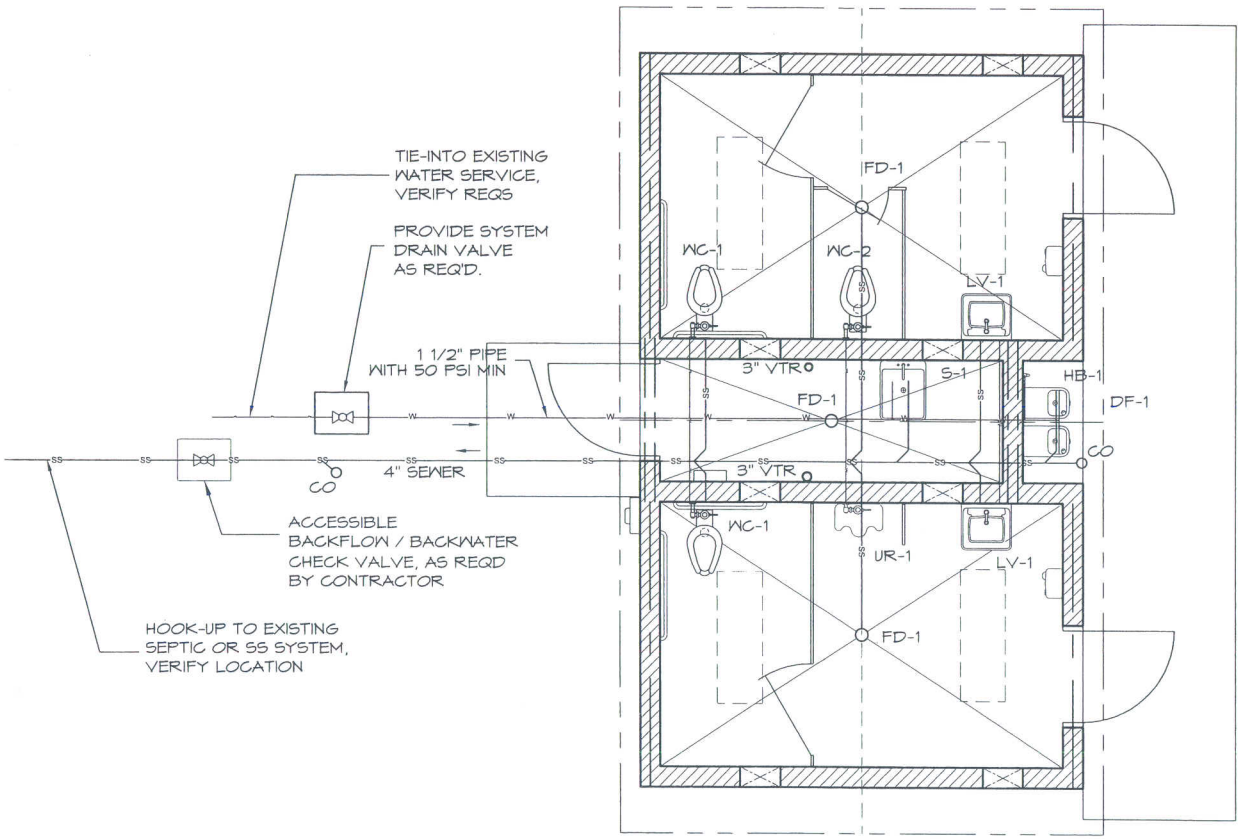
REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
A	08/28/08	FB

DRAWN BY: FB

SHEET NO. P1

PLUMBING LEGEND

SS — SANITARY SEWER
W — COLD WATER



1 PLUMBING PLAN

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0893

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: PLUMBING PLAN

PLAN SET# 17587

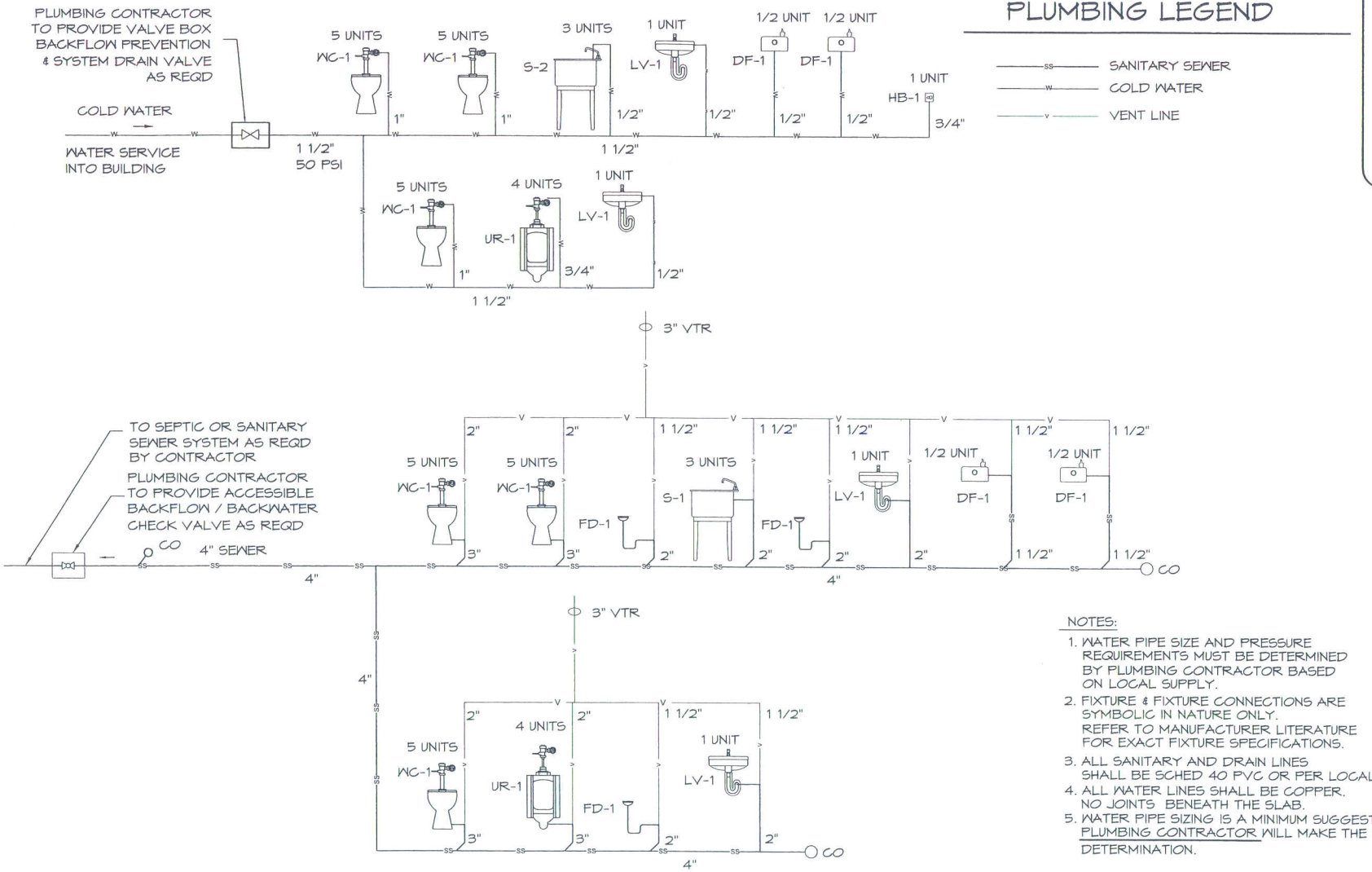
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. P2



PLUMBING LEGEND

- SS — SANITARY SEWER
- W — COLD WATER
- V — VENT LINE

NOTES:

1. WATER PIPE SIZE AND PRESSURE REQUIREMENTS MUST BE DETERMINED BY PLUMBING CONTRACTOR BASED ON LOCAL SUPPLY.
2. FIXTURE & FIXTURE CONNECTIONS ARE SYMBOLIC IN NATURE ONLY. REFER TO MANUFACTURER LITERATURE FOR EXACT FIXTURE SPECIFICATIONS.
3. ALL SANITARY AND DRAIN LINES SHALL BE SCHED 40 PVC OR PER LOCAL CODE.
4. ALL WATER LINES SHALL BE COPPER. NO JOINTS BENEATH THE SLAB.
5. WATER PIPE SIZING IS A MINIMUM SUGGESTION. PLUMBING CONTRACTOR WILL MAKE THE FINAL DETERMINATION.

1 PLUMBING RISER SCHEMATIC DIAGRAM

NOT TO SCALE

TRUE NORTH — PLAN NORTH

PLAN NORTH

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: PLUMBING RISER SCHEMATIC DIAGRAM

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

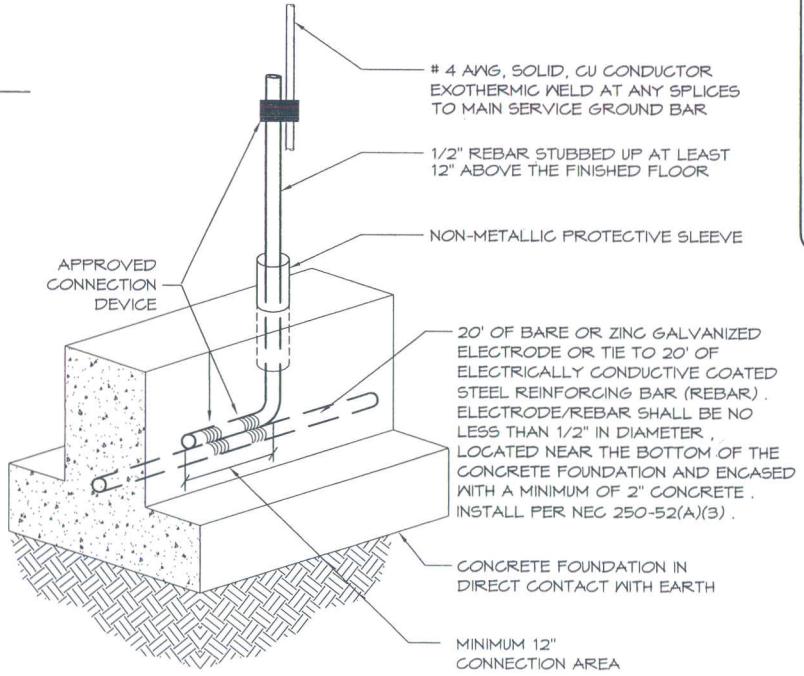
SHEET NO. P3

GENERAL ELECTRICAL NOTES:

1. ALL WORK SHALL COMPLY TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.
2. CONTRACTOR TO PROVIDE TEMPORARY POWER AS REQUIRED DURING COURSE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL FURNISH & INSTALL SPECIFICATION GRADE CIRCUIT BREAKERS, WIRING, CONDUIT, GFI RECEPTACLES THROUGHOUT, SWITCHES, AND STAINLESS STEEL COVERPLATES.
4. ELECTRICAL CONDUIT IS TO BE RUN WITHIN THE WALL WHEN POSSIBLE. ELECTRICAL BOXES ARE TO BE FLUSH MOUNTED WHEN POSSIBLE. ALL EXPOSED CONDUIT IS TO BE SURFACE MOUNTED AND RUN TIGHT TO WALL OR CEILING AS REQD, OR PER CODE.
5. FOR MECHANICAL ROOM ALL EXPOSED CONDUIT IS TO BE SURFACE MOUNTED AND RUN TIGHT TO CEILING AS REQD

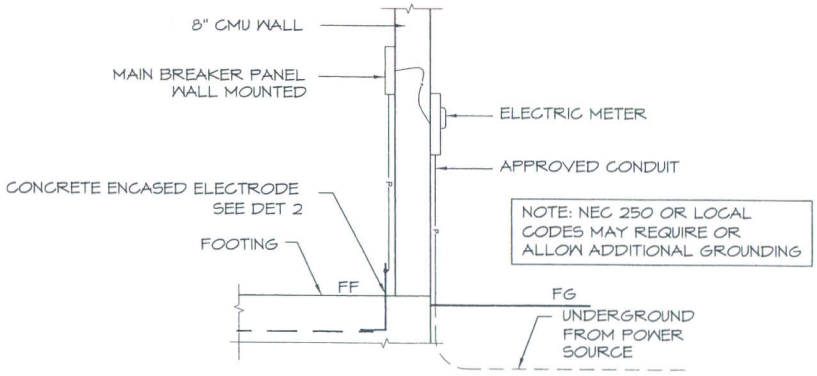
ELECTRICAL FIXTURE SCHEDULE:

LF-1	LIGHT FIXTURE
LF-2	48" FLUOROSCENT LIGHT
BP-1	MAIN BREAKER PANEL
PE-1	PHOTO EYE
HD-1	HAND DRYER
	HOME RUN TO BREAKER PANEL
	110 VAC DUPLEX RECEPTACLE, GROUND FAULT PROTECTED MOUNTED A MIN OF 15" ABOVE THE FLOOR (CEC 210.7)
$	SWITCH, SINGLE POLE MOUNTED A MAX OF 48" ABOVE THE FLOOR (CEC 380.8)



2 CONCRETE ENCASED SERVICE GROUND

SCALE: NONE



NOTE: NEC 250 OR LOCAL CODES MAY REQUIRE OR ALLOW ADDITIONAL GROUNDING

1 RISER DIAGRAM

SCALE: NONE

LICENSED ARCHITECT JOSEPH A. SLACK C-31461 REN. 3-31-09 STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
2121 N.W. NAITO PKWY., SUITE 200 PORTLAND, OR 97210 (503) 222-1687
19 N. W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0853

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ELECTRICAL SCHEDULE & RISER

PLAN SET# 17587

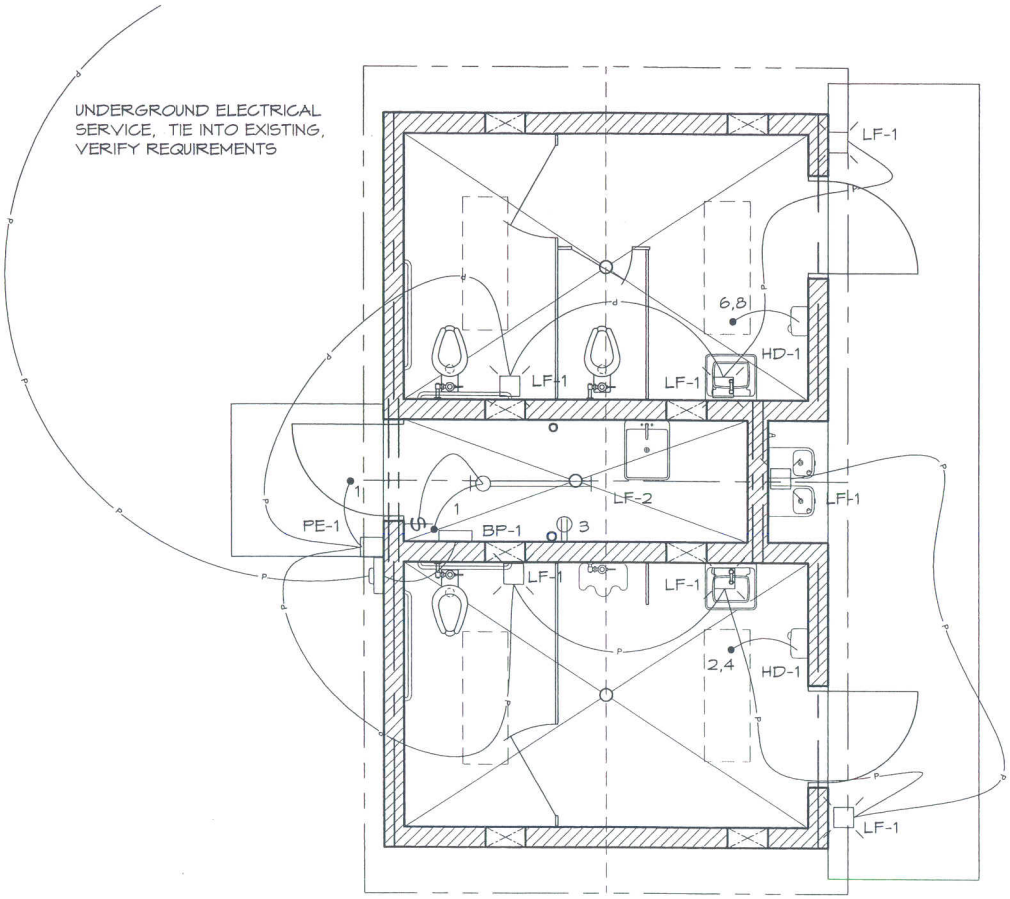
DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. E1



1 ELECTRICAL PLAN

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

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1166
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687
ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)496-3541 FAX (541)496-0803

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ELECTRICAL PLAN

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY:
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. E2

MAIN BREAKER PANEL			NEMA 1
200 AMP	MAIN BREAKER	120 / 240 VOLTS	1-PHASE, 3-WIRE
FEEDER SIZE		3# 3/0, 1# 6 GRD, 2" C	SURFACE MOUNTED

	LTG	REC	MOTOR	DATA	EXTG	HEAT	MISC	PH-A	PH-B	= TOTAL	AMPS	WITH SPARE	25%
LOAD DISTRIBUTION													
CONNECTED VA	307	180	0	0	0	4600	0	2607	2480	5087	22	6359	27
DIVERSITY FACTOR	125%	100%	100%	100%	65%	100%	100%						
DIVERSIFIED VA	384	180	0	0	0	4600	0	2684	2480	5164	22	6455	28

PL	T	LOAD	VA	HP	PHW	GND	CON	BKR	PH			BKR	CON	GND	PHW	HP	VA	LOAD	T	PL
1	L	LIGHTS	307		12	12	1/2	20	1	A	2	20	1/2	12	12		1150	HAND DRYER	H	2
3	R	RECEPTACLE	180		12	12	1/2	20	1	B							1150		H	4
5										A	2	20	1/2	12	12		1150	HAND DRYER	H	6
7										B							1150		H	8
9										A										10
11										B										12
13										A										14
15										B										16
17										A										18
19										B										20
21										A										22
23										B										24

7/3/2008

GROUND & BOND PER NEC

1 ELECTRICAL PANEL SCHEDULE

SCALE: NONE

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

© 2008 ROMTEC, INC. ALL RIGHTS RESERVED. THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, ADAPTED OR FURTHER DISTRIBUTED, AND NO BUILDINGS MAY BE CONSTRUCTED FROM THESE PLANS, WITHOUT THE WRITTEN PERMISSION OF ROMTEC, INC.

HGE INC. ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS
375 Park Avenue/Coos Bay, Oregon 97420 (541) 269-1199
19 N.W. Fifth Avenue/Portland, Oregon 97209 (503) 222-1687

ROMTEC 18240 NORTH BANK ROAD - ROSEBURG, OR 97470 (541)-496-3541 FAX (541)-496-0853

PROJECT: SIERRA III MULTI-USER VALUE RESTROOM
MYRA LINN PARK
RIVERSIDE, CALIFORNIA

SHEET TITLE: ELECTRICAL PANEL SCHEDULE

PLAN SET# 17587

DATE: 05/15/08

REVISIONS

REV.	DATE:	BY
1	06/26/08	FB
2	07/16/08	FB
3	08/14/08	FB
4	08/28/08	FB

DRAWN BY: FB

SHEET NO. E3

HGE INC

ARCHITECTS
ENGINEERS
SURVEYORS
PLANNERS

375 PARK AVE
COOS BAY,
OREGON
97420

541.269.1166
FAX 541.269.1833
www.hge1.com

Richard D. Nored, P.E.
Joseph A. Slack, A.I.A.
Russ Dodge, PLS
Stephen R. Cox, P.M.

September 3, 2008

STRUCTURAL CALCULATIONS FOR

SIERRA III MULTI-USER VALUE RESTROOM

MYRA LINN PARK
RIVERSIDE, CALIFORNIA

PROJECT # 17587R

PREPARED FOR:
ROMTEC, INC.
18240 NORTH BANK ROAD
ROSEBURG, OR 97470

LICENSED ARCHITECT
JOSEPH A. SLACK
C-31461
REN. 3-31-09
STATE OF CALIFORNIA

* APPROVED *
CITY OF RIVERSIDE
BUILDING & SAFETY

THIS APPROVAL DOES NOT AUTHORIZE VIOLATION OF ANY PROVISIONS OF STATE OR LOCAL BUILDING REGULATIONS NOR DOES IT PREVENT REQUIRING CORRECTIONS OF ANY ERROR SUBSEQUENTLY IDENTIFIED ON THESE PLANS OR CONSTRUCTED DUE TO ERRORS IN THESE PLANS

Permit: 08 - 2291
Date: 09-22-08
By: R. Hamilton / B. Kaiyun (SSR)

M. R. RICHARDS ENGINEERING INC.
100 WEST 13TH AVE., SUITE 210
EUGENE, OR 97401

MYRA LINN PARK
RIVERSIDE, CA
SIERRA III MULTI-USER VALUE

DATE: 6/30/2008
CALCULATED BY: SRC

01

REGISTERED PROFESSIONAL ENGINEER
MARK R. RICHARDS
C 65442
EXP. SEPTEMBER 30, 2009
CIVIL
STATE OF CALIFORNIA

6-30-08

Design Criteria:

Roof LL 20 psf	$p_r := 20$ psf
Roof DL 5 psf	$p_d := 5$ psf
Wall DL 80 psf	$p_w := 80$ psf
Soil Bearing 1500 psf	$q_{allow} := 1500$ psf
IBC Seismic Design Category D	
Wind 85 MPH, Exposure B	

Roof Panels: 5 1/2" Core Panel Thickness 7'-4" span, 12" eave, 24" rake, 2'-4" ridge cantilever

with deflection limit of L/240, 10 ft span is ok for 57 psf live load

overhang panels parallel to support wall (gables): 2' overhang ok for 2 x 78 psf = 156 psf live load

overhang panels perpendicular to support wall (eaves): 4' overhang ok for 78 psf live load

20 psf live load over entire roof ok

Roof Connection:

Premier #15 wood screws to top plate Simpson MAB15 @ 24" $\lambda := 1.00$ $I_w := 1$

Overhang

$p_{net30.1} := 45.7$ psf $p_{net.1} := p_{net30.1} \cdot \lambda \cdot I_w - 0.6 \cdot p_d$ $p_{net.1} = 42.7$ psf

Roof

$p_{net30.2} := 30.6$ psf $p_{net.2} := p_{net30.2} \cdot \lambda \cdot I_w - 0.6 \cdot p_d$ $p_{net.2} = 27.6$ psf

$U_{eave} := p_{net.1} \cdot 24\text{ in} + p_{net.2} \cdot 4.67\text{ ft}$ $U_{eave} = 214.292$ plf

$U_{ridge} := p_{net.1} \cdot 28\text{ in} + p_{net.2} \cdot 4.67\text{ ft}$ $U_{ridge} = 228.525$ plf

Premier Screws @ 1-0" OC ok for $\frac{0.25 \cdot 980\text{ lb}}{12\text{ in}} = 245$ plf

MAB15 @ 24" oc: $T_{allow} := \frac{565\text{ lb}}{2\text{ ft}}$ $T_{allow} = 282.5$ plf

Foundation At Int Wall:

width := 30 in depth := 12 in

$P := (p_r + p_d)\cdot 6\ ft + p_w \cdot 10.67\ ft + (0.15\ kcf)\cdot width\cdot depth$ $P = 1.379 \cdot klf$

$q := \frac{P}{width}$ $\frac{q}{q_{allow}} = 0.368$ less than 1, ok

Stemwall Foundation At Ext Wall:

width := 24 in depth := 24 in

$P := (p_r + p_d)\cdot(6.67\ ft) + p_w \cdot 8.0\ ft + (0.15\ kcf)\cdot(8\ in\cdot width + (depth - 8\ in)\cdot 8\ in)$ $P = 1.14 \cdot klf$

$q := \frac{P}{width}$ $\frac{q}{q_{allow}} = 0.38$ less than 1, ok

Wall Reinforcement:

Min Reinf: 0.0007 EW 0.002 Total F'm := 1500 psi n := 21.5

#4 at 32"OC Vert $\rho_{vert} \equiv \frac{0.20\ in^2}{32\ in\cdot 7.625\ in}$ $\rho_{vert} = 8.197\cdot 10^{-4}$

$\rho_{vert} + \rho_{horiz} = 2.09\cdot 10^{-3}$

#5 at 32"OC Horiz $\rho_{horiz} \equiv \frac{0.31\ in^2}{32\ in\cdot 7.625\ in}$ $\rho_{horiz} = 1.27\cdot 10^{-3}$

Out-Of-Plane Lateral:

Wind: $p := 17.4\ psf\cdot I_w\cdot\lambda$ $p = 17.4 \cdot psf$

Seismic: $S_{ds} := 1.0$ $I := 1.0$ $F_{p1} := \frac{0.4}{1.4}\cdot S_{ds}\cdot I\cdot p_w$ $F_{p2} := \frac{0.1}{1.4}\cdot p_w$

$F_p := \max(F)$ $F_p = 22.857 \cdot psf$ wind controls

Wall to Roof Connection:

$V_1 := 280\ plf\cdot\frac{1}{1.4}$ $V_2 := 400\ plf\cdot S_{ds}\cdot\frac{1}{1.4}$ $V_3 := 0.8\cdot S_{ds}\cdot I\cdot 5.33\ ft\cdot p_w\cdot\frac{1}{1.4}$

$F_{min} := \max(V)$ $F_{min} = 285.714 \cdot plf$

Premier Screws @ 8" OC ok for $\frac{0.25\cdot 830\ lb}{8\ in} = 311.25 \cdot plf$

MAB15 @ 16" oc: $T_{allow} := \frac{500\ lb}{1.33\ ft}$ $T_{allow} = 375.94 \cdot plf$

Vertical Span of Wall: 10'-8" Height

$M := \frac{F_p \cdot 32\ in \cdot (10.67\ ft)^2}{8}$ $M = 10.409 \cdot kip \cdot in$ $A_s := 0.20\ in^2$

$d := 3.8\ in$ $b := 32\ in$ $\rho := \frac{A_s}{b \cdot d}$ $n \cdot \rho = 0.035$

$k := \sqrt{2 \cdot \rho \cdot n + (\rho \cdot n)^2} - (\rho \cdot n)$ $k = 0.233$ $j := 1 - \frac{k}{3}$ $j = 0.922$

$f_s := \frac{M}{A_s \cdot j \cdot d}$ $f_s = 14.849 \cdot ksi$ $F_s := 24\ ksi$

$f_m := \frac{M}{b \cdot d^2} \cdot \frac{2}{k \cdot j}$ $f_m = 209.71 \cdot psi$ $F_m := 0.33 \cdot F'm$ $F_m = 495 \cdot psi$

Horizontal Span of Wall: 9'-4" simply supported span controls over 4'-4" cantilever

$M := \frac{F_p \cdot 32\ in \cdot (9.33\ ft)^2}{8}$ $M = 7.959 \cdot kip \cdot in$ $A_s := 0.31\ in^2$

$d := 3.8\ in$ $b := 32\ in$ $\rho := \frac{A_s}{b \cdot d}$ $n \cdot \rho = 0.055$

$k := \sqrt{2 \cdot \rho \cdot n + (\rho \cdot n)^2} - (\rho \cdot n)$ $k = 0.281$ $j := 1 - \frac{k}{3}$ $j = 0.906$

$f_s := \frac{M}{A_s \cdot j \cdot d}$ $f_s = 7.454 \cdot ksi$ $F_s := 24\ ksi$

$f_m := \frac{M}{b \cdot d^2} \cdot \frac{2}{k \cdot j}$ $f_m = 135.35 \cdot psi$ $F_m := 0.33 \cdot F'm$ $F_m = 495 \cdot psi$

Roof Diaphragm Plan North/South Forces:

Wind:

$p_{walls} := 14.4\ psf \cdot I_w \cdot \lambda$ $\quad p_{walls} = 14.4 \cdot psf$ $\quad p_{roof} := -4.2\ psf \cdot I_w \cdot \lambda$ $\quad p_{roof} = -4.2 \cdot psf$

$\omega_W := p_{walls} \cdot 4\ ft + 0\ psf \cdot 3\ ft$ $\quad \omega_W = 0.058 \cdot klf$ $\quad$ per ASCE 7-05 Figure 6-2, Note #7

Seismic:

$R := 5$ $\quad C_s := \frac{S_{ds} \cdot I}{R}$ $\quad C_s = 0.2$

$\omega_S := C_s \cdot \left[p_d \cdot 28\ ft + p_w \cdot (4\ ft \cdot 2 + 5.33\ ft \cdot 2) \right] \cdot \frac{1}{1.4}$ $\quad \omega_S = 0.233 \cdot klf$ $\quad$ seismic controls

Diaphragm Shear:

$v := \frac{\omega_S \cdot 14\ ft \cdot 0.5}{24\ ft}$ $\quad v = 0.068 \cdot klf$ $\quad$ panels ok for 0.425 klf

2x Over Window Frame Acts As A Collector

$V := 2.5 \cdot \frac{\omega_S}{2} \cdot \frac{(14\ ft)}{2}$ $\quad V = 2.041 \cdot kip$

(4) MAB15 ok for $\quad 4 \cdot 500\ lb = 2 \cdot kip$

$v := \frac{V}{12\ ft}$ $\quad v = 170.083 \cdot plf$

Primier Screws ok for $\quad \frac{0.25 \cdot 830\ lb}{12\ in} = 207.5 \cdot plf$

THESE CALCULATIONS ARE SPECIFIC TO THE MYRA LINN PARK PROJECT AND ARE NOT TO BE USED FOR OTHER PROJECTS WITHOUT THE ENGINEERS CONSENT.

SEISMIC STATIC FORCE PROCEDURE (STRENGTH DESIGN VALUES)

Ss	1.500	[Per USGS Hazard Map, 2002]		Latitude	33.92
S1	0.600	[Per USGS Hazard Map, 2002]		Longitude	-117.47
SOIL PROFILE TYPE		S =	D		
IMPORTANCE FACTOR		I =	1.00	[Table 11.5-1]	
PERIOD COEFFICIENT		x =	0.75	[Table 12.8-2]	
PERIOD COEFFICIENT		Ct =	0.020	[Table 12.8-2]	
MEAN ROOF HEIGHT		h_n =	12	ft	
FUNDAMENTAL PERIOD		T =	0.13	sec	
LONG-PERIOD TRANSITION PERIOD		T_L =	8	sec	
SITE COEFFICIENT (AT 0.2 s PERIOD)		Fa	1.00	[Table 11.4-1]	
SITE COEFFICIENT (AT 1.0 s PERIOD)		Fv	1.50	[Table 11.4-2]	
BUILDING OCCUPANCY			II	[Table 1604.5]	
SEISMIC DESIGN CATEGORY BASED ON SHORT PERIODS			D	[Table 11.6-1]	
SEISMIC DESIGN CATEGORY BASED ON 1.0 s PERIODS			D	[Table 11.6-2]	
SPECTRAL RESPONSE AT SHORT PERIODS		S_{ds}=	1.00	[Eq 11.4-3]	
SPECTRAL RESPONSE AT 1s PERIODS		S_{d1}=	0.60	[Eq 11.4-4]	
STRUCTURAL SYSTEM		R =	5	[Table 12.2-1] (BWS {SRMSW})	
BASE SHEAR		$S_{ds}I/R$ =	0.20	[Eq 12.8-2]	
DESIGN EQUATIONS		$S_{d1}I/TR$ =	0.93	[Eq 12.8-3]	
		.5S1I/R =	0.06	[Eq 12.8-6]	
		$S_{d1}T_LI/T^2R$ =	57.74	[Eq 12.8-4]	
BASE SHEAR (% of gravity)		V/W =	0.20		

voice: (541)687-0129
fax: (541)687-0133

PBS Detail #105A

Floor & Roof Chart 3

PREMIER PANEL TYPE S (SPLINE) TRANSVERSE LOAD CHART (psf)

GABLES & EAVES

Panel Core Thickness	Deflection	Panel Span (ft.) 4'	8'	10'	12'	14'	16'	18'	20'	22'	24'
3 1/2"	L/360	99	38	28	21	16	10	na	na	na	na
	L/240	151	54	43	32	24	16				
	L/180	154*	61*	57	45	34	21				
5 1/2"	L/360	102	49	38	30	24	18	14	11	na	na
	L/240	159	78	57	45	32	28	22	16		
	L/180	166*	80*	60*	46*	40*	34*	29	21		
7 1/4"	L/360	119	59	60	41	34	26	20	15	13	11
	L/240	160*	84	75*	60	50	39	31	23	19	18
	L/180	160*	85*	75*	69*	60*	50*	41	31	27	24
9 1/4"	L/360	138	78	64	53	41	33	27	22	20	17
	L/240	160*	86*	65*	57*	51*	46*	41	34	29	25
	L/180	160*	86*	65*	57*	51*	46*	42*	39*	37*	34
11 1/4"	L/360	115	94*	75	51	49	47	38	28	24	21
	L/240	160*	94*	76*	59*	55*	51*	45*	39*	36	31
	L/180	160*	94*	76*	59*	55*	51*	45*	39*	36*	33*

Maximum Recommended Floor Span — Maximum Recommended Roof Span

* indicates ultimate load divided by a safety factor of three (3).
3 1/2" & 5 1/2" core panels limited to 12' span for roof. 7 1/4" cores limited to 14' span for roof. 9 1/4" & 11 1/4" cores limited to 16' span for roof.
Floor panels should have a 3/4" min. top skin or a 7/16" top skin overlayed with 7/16" finish flooring perpendicular to the panels. Note: spans are 1.5" less than shown.
Floors limited to L/360 @ design load of LL+DL+PL (partition load).
Design loads reflect LL+DL+Panel Weight.
More information on this chart can be found in Technical Bulletin #18.

Floor & Roof Chart 5

PREMIER PANEL TYPE L (LUMBER) TRANSVERSE LOAD CHART (psf)

Panel Core Thickness	Deflection	Panel Span (ft.) 4'	8'	10'	12'	14'	16'	18'	20'	22'	24'
3 1/2"	L/360	98	45	32	24	16	11	na	na	na	na
	L/240	225	67	47	34	24	16				
	L/180	298*	90	61	44	34	22				
5 1/2"	L/360	241	128	57	41	32	25	20	15	na	na
	L/240	288*	182*	86	60	49	37	29	22		
	L/180	288*	182*	112*	79	65	49	39	29		
7 1/4"	L/360	241	168	80	65	54	42	33	24	na	na
	L/240	288*	188*	126	99	81	61	49	34		
	L/180	288*	188*	133*	117*	105	80	62	44		
9 1/4"	L/360	274	188*	116	100	80	58	47	36	32	28
	L/240	326*	188*	147*	134*	120	90	70	52	46	41
	L/180	326*	188*	147*	134*	121*	108*	93	68	61	53
11 1/4"	L/360	327*	188*	167*	140	116	91	75	57	47	36
	L/240	327*	188*	167*	153*	132*	110*	97*	83*	69	53
	L/180	327*	188*	167*	153*	132*	110*	97*	83*	83*	70

Maximum recommended roof span — Maximum recommended floor span

* indicates ultimate/capacity. 2x's are Hem-fir #2 or equivalent. Note: 4' spans is a minimum two span condition.
Floor panels should have a 3/4" min. top skin or 7/16" top skin overlayed with 7/16" finish flooring perpendicular to the panels.
Note: spans are 1.5" less than shown. Note: 2x's are spaced at 4' O.C. Floors limited to L/360 @ design load of LL+DL+PL (partition load).
Design loads reflect LL+DL+Panel Weight.
More information on this chart can be found in Technical Bulletin #19

4608 70th Ave. E. • Fife, WA 98424
(800) 275-7088 • Fax (253) 926-3992

5120 Structural Panels
7220 Roof & Deck Insulation
www.pbspanel.com
psbmail@premier-industries.com

3434 W. Papago St. • Phoenix, AZ 85009
(800) 240-6691 • Fax: (602) 269-6999

TECHNICAL BULLETIN No. 3 (cont.)

Premier Panels used to create overhangs on gable end walls or on eave applications where the panel is parallel to the support wall can be used up to 2' in unsupported overhangs (figure1). Panels used parallel to the support wall can support loads that are twice the maximum live load allowed for Type S panels in the load design charts for an 8' span. An example would be a 7 ¼" core panel at an 8' span is listed at 74.5 psf in the code evaluation report. Therefore the load carrying capacity for the 2' overhang is a149 psf. Applications that allow for 8' panel widths to be utilized may have overhangs of up to 4' when applied parallel as described above (figure 3). Four-foot overhangs of this type have load capacities equal to the live load of that panel thickness with an 8' span.

Standard splined or Type S Panels (PBS-105) that are perpendicular to the support wall are capable of supporting 4' horizontal span overhangs provided the panel extends back onto the roof a minimum of twice the distance of the overhang span. These unsupported overhangs are capable of supporting the live load value found in the code evaluation report for that thickness panel at an 8' span. An example would be a 9 ¼" core panel used to create a 4' overhang will carry loads up to 81 psf.

In situations where increased loads are required or where an overhang greater than 4' is desired Premier Panels that utilize double 2x's or wood I-beams as the splining mechanism (PBS-110 or PBS-115) can be used. These applications are created when the panels are perpendicular to the support wall and that the panel assemblies extend back on to the roof to a support a minimum distance of twice the length of the overhang. When the double 2x or wood I-beams are used at a frequency of 4'o.c. as the attachment spline between panels, overhangs of up to 6' can be achieved. Overhangs of 4' are capable of carrying twice the live load listed in the code evaluation report for a Type S panel at a span of 10'. A 6' overhang will support the total load listed for that panel thickness Type S panel at a span of 8'. An example, 7 ¼" core panel with wood I-Beams 4' o.c. can support 115 psf on a 4' overhang and 84 psf on a 6' overhang.

Greater loads can be achieved if the double 2x's or wood I-beams are used at a frequency of 2'o.c. Overhangs of up to 6' feet of horizontal projection are possible. As stated earlier, the panel assembly must extend back onto the roof to a support at a minimum twice the intended overhang horizontal span. With the 2'o.c. 2x's or wood I-beams a 4' span will support the twice the live load listed for the panel thickness at an 8' span. Six-foot overhangs of this type will support twice the live load listed for a 10'span.

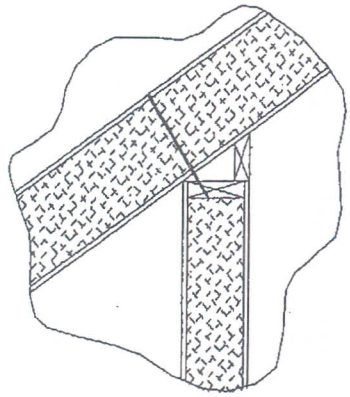
The above information is to be used in the design of roof overhangs only. In all cases the load carrying capacity of the panel assembly represents a value that is less than the ultimate load divided by a safety factor of 3.

If there are any questions regarding the above information, please call the engineer of record, your Premier Building System representative or the Premier Industries – Technical Center @ 1/800-469-8870.

#15 Blue Screw Length Guide

RECOMMENDED LENGTH IN INCHES

Roof Panel Size	Roof Pitch 2:12	4:12	6:12	8:12	10:12	12:12
4 1/2"	6"	6"	7"	7"	8"	8"
6 1/2"	8"	8"	9"	9"	10"	10"
8 3/8"	10"	10"	10"	11"	12"	12"
10 3/8"	12"	12"	12"	13"	14"	14"
12 3/8"	14"	14"	14"	15"	16"	16"



Pull out strength = 980 lbs. @ 1" penetration
Shear Capacity > 830 lbs. @ 1" penetration
The above capacities represent ultimate values

More information on screw capacities can be found in Technical Bulletin #6

Premier Panel Weight (psf)

Core Thickness	OSB Skin 3/8"	7/16"	1/2"	5/8"	3/4"
3 1/2"	2.9	3.3	3.8	4.6	5.5
5 1/2"	3.1	3.5	4.0	4.8	5.7
7 1/4"	3.3	3.7	4.1	5.0	5.9
9 1/4"	3.4	3.9	4.3	5.2	6.1
11 1/4"	3.6	4.0	4.5	5.4	6.2

Nail Withdrawl Capacities in OSB

AVERAGE DIRECT WITHDRAWAL (pullout) (lbs.)

4d ring shank-drywall nail	133
6d smooth galvanized	59
Roofing nail smooth galvanized	51
8d smooth coated sinker	150
8d smooth galvanized spiral shank	112
8d galvanized ring shank	77
8d smooth galvanized	65
8d bright box	107
10d galvanized ring shank	164
16d smooth galvanized	63
16d bright box	90

Screw Fastener Capacities in OSB

AVERAGE DIRECT WITHDRAWAL (pullout) and shear (lbs.)

OSB Skin		#8 Deck Screw	#8 Deck Screw	#10 Deck Screw	#12 Roofing Screw	#14 Roofing Screw
7/16"	pullout lbs.	177	182	198	190	177
	shear lbs.	198	118	143	436	466
5/8"	pullout lbs.	272	309	355	312	340
	shear lbs.	273	197	260	581	630
3/4"	pullout lbs.	324	359	363	360	393
	shear lbs.	295	224	301	561	797

More information on screw fastener capacities can be found in Technical Bulletin # 11

ultimate values given per Tec. Bul. #11

More information on nail withdrawal can be found in Technical Bulletin #12

4609 70th Ave. E. • Fife, WA 98424
(800) 275-7086 • Fax: (253) 926-3992

6120 Structural Panels
7220 Roof & Deck Insulation
www.pbspanel.com
psbmail@premier-industries.com

3434 W. Papago St. • Phoenix, AZ 85009
(800) 240-6691 • Fax: (602) 269-6999

LMAZ/MAS/MASB/MASP/MAB/MA *Mudsill Anchors*

SIMPSON Strong-Tie®

Mudsill anchors provide an alternative to anchor bolts. One piece products, no nuts and washers to lose. Fast for the framer—eliminates plate drilling and mislocated anchor bolts.

MAS—For slab or concrete stemwall construction. Fast for the finisher—install before pouring concrete by nailing into form, or insert into concrete after pour. Finish up to the edge of slab. No anchor bolts to hand trowel around, no nuts or washers to lose. Fast for the framer—eliminates plate drilling and mislocated anchor bolts. The MASB is designed for installation on concrete masonry units. The new MASP is designed for panelized forms.

LMA—Higher lateral load capacities in a lighter gauge than the MA. Two sizes provide an economical replacement for ½" sill plate anchor bolts.

MA—For slab or stemwall construction.

MAB—Anchors mudsill to concrete block, poured walls or slab foundation.

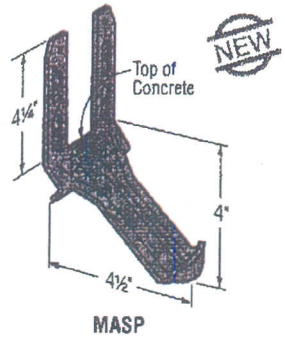
MATERIAL: MAS, MASB, MASP, MA—16 gauge; LMAZ, MAB—18 gauge

FINISH: MAS, MASB, MASP, MA, MAB—Galvanized *(some available in ZMAX®)*, LMAZ— ZMAX® only. See Corrosion Information, page 10-11.

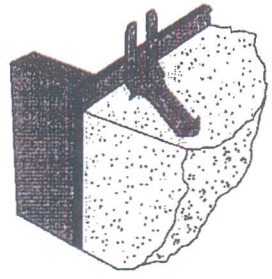
INSTALLATION: • Use all specified fasteners. See General Notes.

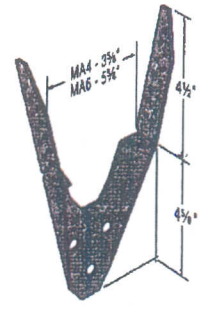
- Not for use where (a) a horizontal cold joint exists between the slab and foundation wall or footing beneath, unless provisions are made to transfer the load, or (b) anchors are installed in slabs poured over foundation walls formed of concrete block. All grout and concrete must have a minimum f'_c 2000 psi.
- **MASB**—First fill CMU cell with concrete grout. Place MASB into the grouted cell, and adjust into position. Attach mudsill to anchor after the concrete cures.
- **MAB**—When used in monolithic slab or concrete stemwall construction, prior to installation, spread the MAB legs to accommodate mudsill. Immediately after pouring and screeding, insert into the concrete or grout. Attach the mudsill to the anchor with 10dx1½" nails after the concrete cures. When installed in grouted concrete block or solid pour for a center hole installation, drill a ¾" hole through the mudsill and install straps through the hole. Wrap MAB straps around the mudsill and install 10dx1½" nails.
- MASB and MAB tested in standard 8" CMU.
- Testing has shown that the MAS anchor can be used in high seismic zones in lieu of the code required bolt and washer. Refer to technical bulletin T-MASSW for additional information *(see page 199 for details)*.
- For MAS installations where concrete spalling has occurred, the MAS achieves full published capacity when the maximum height of spall is limited to 1¼" and the maximum depth is no deeper than ⅞". Any exposed portion of the MAS must be protected against possible corrosion.

CODES: See page 12 for Code Listing Key Chart.
Code listed mudsill anchors may be used in place of anchor bolts at spacings shown on the following page.
• IRC R403.1.6 • IBC 2308.6

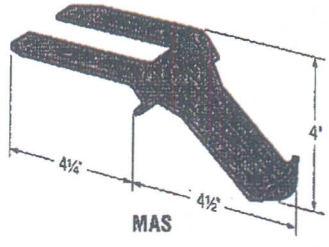


MASP

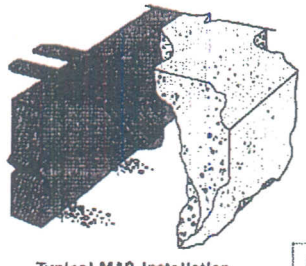

Typical MASP Installation

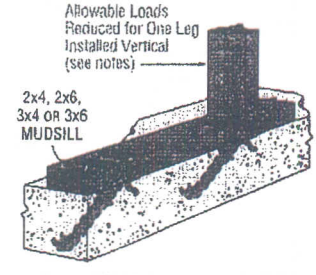


MA4 and MA6



MAS


Typical MAS Installation



Typical MAS/MASP Installation

See page 25 for additional illustrations.

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson for details.

Model No.	Sill Size	Fasteners: Sides	Fasteners: Top	Allowable Loads[1] (133): Uplift[2]	Allowable Loads[1] (133): Parallel to Plate (F_1)	Allowable Loads[1] (133): Perp. to Plate (F_2)	Allowable Loads[1] (160): Uplift[2]	Allowable Loads[1] (160): Parallel to Plate (F_1)	Allowable Loads[1] (160): Perp. to Plate (F_2)	Code Ref.
NEW MAS or MASP	2x4,6	2-10dx1½	4-10dx1½	1005	720	480	1005	815	575	1, 28, 121
	3x4,6	4-10dx1½	2-10dx1½	955	720	465	955	835	465	170
MASB	2x4,6,8	2-10dx1½	6-10dx1½	130	930	410	130	930	410	33, 62, 122
LMA4Z	2x4	2-10dx1½	4-10dx1½	905	675	520	905	675	520	160
	3x4	4-10dx1½	2-10dx1½	905	675	520	905	675	520	
LMA6Z	2x6	2-10dx1½	4-10dx1½	905	730	650	905	825	650	
	3x6	4-10dx1½	4-10dx1½	1110	825	650	1110	825	650	
MA4	2x4	2-10dx1½	2-10dx1½	830	480	430	830	575	430	7, 90, 121
	3x4	4-10dx1½	2-10dx1½	915	680	430	915	680	430	
MA6	2x6	2-10dx1½	4-10dx1½	915	680	430	915	680	430	
	3x6	4-10dx1½	4-10dx1½	915	680	430	915	680	430	
MAB15	2x4,6	2-10dx1½	4-10dx1½	565	500	500	565	500	500	2, 40, 121
MAB23	2x4,6	2-10dx1½	4-10dx1½	565	500	500	565	500	500	

1. Loads have been increased for short-term loading.
2. For uplift loads, provide attachment from mudsill to building's structural components to prevent cross-grain bending.
3. MAS installed with 1 leg attached to stud has loads of 435 lbs (uplift), 700 lbs *(parallel to plate)* and 240 lbs. *(perpendicular to plate)*.
4. MASB installed with 1 leg attached to stud has load of 960 lbs *(parallel to plate)* and 360 lbs *(perpendicular to plate)*.
5. MA installed attached to the stud has a perpendicular load of 670 lbs. Parallel loads as listed. For reduced uplift loads, contact Simpson.
6. LMAZ installed attached to the stud has no load reduction for parallel and perpendicular loads. For reduced uplift contact Simpson.
7. For stemwall applications, allowable loads are based on a minimum stemwall width of 6".
8. For MAS/MASP attached to a HF sill plate, allowable loads shall be Uplift = 680 lbs, F_1 = 835 lbs, F_2 = 255 lbs.
9. NAILS: 10dx1½ = 0.148" dia.x 1½" long. See page 16-17 for other nail sizes and information.

MAS/MASB Installed To Rim Board or Blocking Over Max. ½" Plywood or OSB

Model No.	Sill Size	Fasteners: Sides Total	Allowable Loads (133): Uplift	Allowable Loads (133): F_1	Allowable Loads (133): F_2	Allowable Loads (160): Uplift	Allowable Loads (160): F_1	Allowable Loads (160): F_2	Code Ref.
MAS	2x4,6	6-10dx1½	755	720	260	755	785	260	170
MASB	2x4,6,8	8-10dx1½	45	295	25	45	295	25	

1. Rim board or blocking shall be a minimum of 1⅛" thick.

MAB23 MAY BE SUBSTITUTED FOR MAB15 IF ADDITIONAL EMBEDMENT REQUIRED BY BUILDING DEPARTMENT.

C-2007 © 2006 SIMPSON STRONG-TIE COMPANY INC. PRINTED 12/06