JOB# 4736

BCSD - Cesar Chavez
STKP# 76
S/N's: 47963-001/002

MODULAR CLASSROOM BUILDING

FOR WILLIAMS SCOTSMAN

BUILDING SIZE: 24'x40'(50 UNITS)

STOCKPILE

CLASS LEASING INC
STOCKPILE 76- A# 04-105455 CERTIFIED 3/25/2005
SERIAL NUMBERS
47944-001/002
47945-001/002
47946-001/002
47947-001/002
47948-001/002
47949-001/002
47962-001/002
47963-001/002
47980-001/002
47981-001/002
48721-001/002
48722-001/002
48724-001/002
48725-001/002
48726-001/002
48728-001/002
48733-001/002
48734-001/002

PC-04-104796

DGS State of California • Department of General Services • Gray Davis, Governor
DIVISION OF THE STATE ARCHITECT
Headquarters• 1130 K Street, Suite 101 • Sacramento, CA 95814 • (916) 445-8100

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: | Date: | File Number:
Name: | | Application Number:
Project Owner:
Architect:
Structural Engineer:
The following tests and inspections, as checked, will be required as detailed in applicable specifications.

	Concrete	Gunite	Grout	Mortar	
COMPACTED FILL					
☐ Fill material, exceptional tests					Test of aggregates for mix design only
☐ Compaction control, continuous					Suitability tests of aggregates as detailed below
☐ Compaction tests only as ordered					Mix designs
☐ Bearing capacity of compacted fill					Continuous batch plant inspection
REINFORCING STEEL					Inspect placing
☐ Sample and test bar steel					Sample
☐ Sample and test mesh					Compression tests
☐ Inspect placing at job					Pick up samples at job
STRUCTURAL STEEL					Samples delivered to laboratory
☒ Sample and test as detailed below					Deliver sample forms to job site
☒ Shop fabrication inspection					Sample and test cement
☐ Field erection inspection					
☒ Inspection of welds - Shop					
☐ Inspection of welds - Field					
☐ Inspection of dwelling or bolting - Shop					
☐ Inspection of dwelling or bolting - Field					
☐ Sample and test high strength bolts and washers					
BRICK AND BLOCK					
☐ Sample and test					
☐ Test only					
☐ Inspection of glazing					
☐ Core slot samples					
GLUED LAMINATED STRUCTURAL LUMBER					
☐ Fabrication inspection					
☐ Sample and test steel connectors					
☐ Inspect fabrication of steel connectors					

Suitability Tests	Concrete	Gunite	Grout	Mortar
☐ Sodium sulphate				
☐ Structural strength				
☐ Los Angeles rattler				
☐ Clay (Hydrometer method)				
☐ Reactivity tests				
☐ Volume change				

Mix designs: Concrete, Gunite, Mortar, or Grout

Material	Maximum Size	Compressive Strength, PSI, Minimum					

List of structural steel members to be tested:
ALL UNIDENTIFIED STEEL PER CBC CHAPTER 22A(MILL CERTS)

Is this list continued on reverse? ☐ YES ☐ NO

Other tests and inspections, together with special instructions:

Copies of reports to: OPSC, AOR

By: _____ Authorized Representative

Are these instructions continued on reverse? ☐ YES ☐ NO

SSS 103-T (Revised 8/98)

(Old 101419)

PC
CBC 2001

NOTES

SECTION 2213A.4.1 OF THE 2001 CBC
ALL WELDS IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F.

BUILDING DATA

STRUCTURAL DESIGN: ORDINARY MOMENT RESISTANT FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
SEISMIC ZONE 4, SEISMIC SOURCE TYPE A, DISTANCE ≤1.25 MILES
Z = .4 I = 1.0 Cv = 1.28 Nv = 2.0
R = 4.5 Ca = 0.66 Na = 1.5 SOIL TYPE = S_D
FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2
BUILDING AREA: 24'x40' BUILDING = 960 SF
-COMPLIES WITH CLIMATE ZONES 1-15
THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

2001 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, 2, AND 3 (PART 2, TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA ELECTRICAL CODE (CEC), (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

SYMBOL	DESCRIPTION
1/–	DETAIL (1) ON SAME SHEET AS SYMBOL
1/2	DETAIL (1) ON SHEET (2)
1	KEY NOTE (1) ON SAME SHEET AS SYMBOL
A/2	SECTION "A" ON SHEET (2)
1	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
1	DOOR REFERENCE
A	WINDOW REFERENCE
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE
RAMP	RAMP – SEE RAMP DRAWINGS

ABBREVIATIONS

AGC = ABOVE GRADE CONCRETE
BGC = BELOW GRADE CONCRETE
DIA = DIAMETER
CLR = CLEAR
GA = GAUGE
MAX = MAXIMUM
MIN = MINIMUM
NIC = NOT IN CONTRACT
NTS = NOT TO SCALE
OC = ON CENTER
OD = OUTSIDE DIAMETER
OSB = ORIENTED STRAND BOARD
ROH = ROOF OVERHANG
SIM = SIMILAR
STS = SELF TAPPING SCREW
STSMS = SELF TAPPING SHEET METAL SCREW
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

SHEET INDEX

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04 105455
AC AS FLS PSS NB
DATE JUL 17 2003
FS: D. L. Cosey
AC: A.M. Smith

SS: V. GARCIA

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04 10 84
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DATE JUL 10 2003
FS: Xavier Orozco, Mechanical

FILE PATH:

PROJECT NO. 4736

PC-04-104796

REVISIONS
1
2
3
4
5

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architect's Seal

LICENSED ARCHITECT FRED WINCKLER HALLOCK No. C-24539 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

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104796
AC FLS SS
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MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

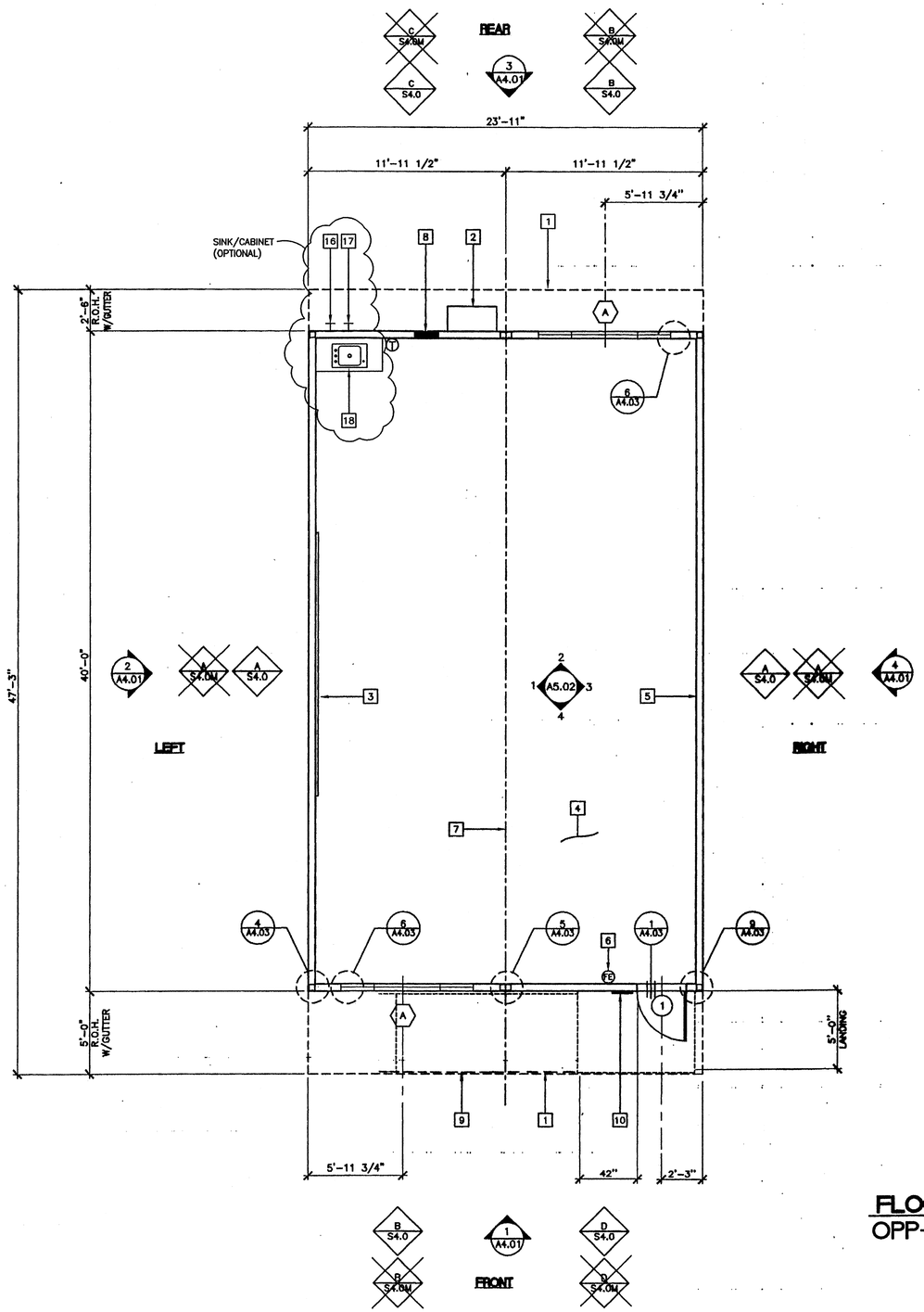
PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE: STKP-76

MODTECH Sheet No.

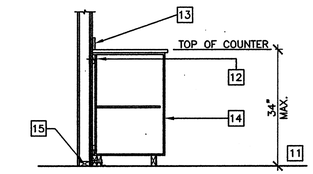
COVER SHEET

A.0



FLOOR PLAN
OPP-HAND

24x40
SCALE: 1/4" = 1'-0"

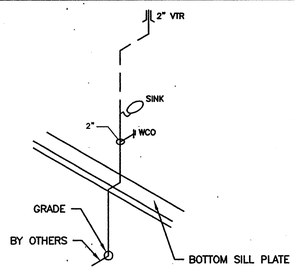


NOTES:
1. SEE PLANS AND ELEVATIONS FOR EACH SPECIFIC DESIGN.
2. REMOVE TOE KICK AND BASE FOR ACCESSIBLE CONDITION
3. PROVIDE U SHAPED WIRE PULLS AT ALL ACCESSIBLE CASEWORK OR EQUAL.

(OPTIONAL)

SCALE: NTS

BASE CABINET ANCHORAGE | 1

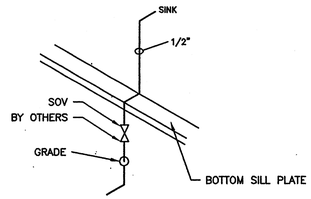


(OPTIONAL)

SCALE: NTS

PIPE SHALL BE TYPE ABS

SINK CABINET WASTE | 2



(OPTIONAL)

SCALE: NTS

PIPE SHALL BE TYPE 'L' COPPER

SINK CABINET COLD WATER SUPPLY | 3

KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. 2 – 8'x4' PORCELAIN STEEL MARKER BOARDS (SEE SPEC'S FOR TYPE)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. FIRE EXTINGUISHER – 5 LBS DRY CHEMICAL WITH 2A–10BC UL RATING WALL MOUNTED BRACKET, HANDLE AT 48" AFF
7. MODLINE (M)
8. ELECTRICAL PANEL
9. RAMP/LANDING (RAMP) SEE RAMP DRAWINGS
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY, SEE A6.02
11. FINISH FLOOR
12. 4"x22 GA CONTINUOUS METAL STRAPS WITH #14 STSMS AT 24" OC
13. BACK SPLASH
14. BASE CABINET
15. BOTTOM PLATE
16. COLD WATER P.O.C. SEE DETAIL# 3
17. WASTE P.O.C. SEE DETAIL# 2
18. CLASSROOM SINK, TYP. SEE A5.02
    SINK: CRAC–ADA–1725–A–GR
    FAUCET: CHICAGO 350. BUBBLER: JSB 10

(OPTIONAL)

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER. MANU–FACTURER'S NAME AND SERIAL NUMBER.
2. METAL TAG MIN. 3 1/2"X1 1/2" STAMPED METAL I.D. W/
   1. OPSC BUILDING NUMBER
   2. DESIGN WIND LOAD
   3. DESIGN ROOF LOAD
3. PROVIDE MIN. 3 1/2"X1 1/2" METAL TAG INSTALLED INSIDE THE ELECTRICAL PANEL SHOWING OPSC NUMBER AND DSA NUMBER.
3. BLDG. MANUFACTURER RO VERIFY W/ CUSTOMER IF SINK AND CABINET OPTION APPLIES.

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DATE JUL 17 2003

FILE PATH:

PROJECT NO. 4736

PC-04-104796

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1			LICENSED ARCHITECT FRED VINCENT HAMADA No. C-24629 12/31/05 RENEWAL DATE STATE OF CALIFORNIA	
2				
3				
4				
5				

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CBC 2001
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104796
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MODTECH INC.™
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

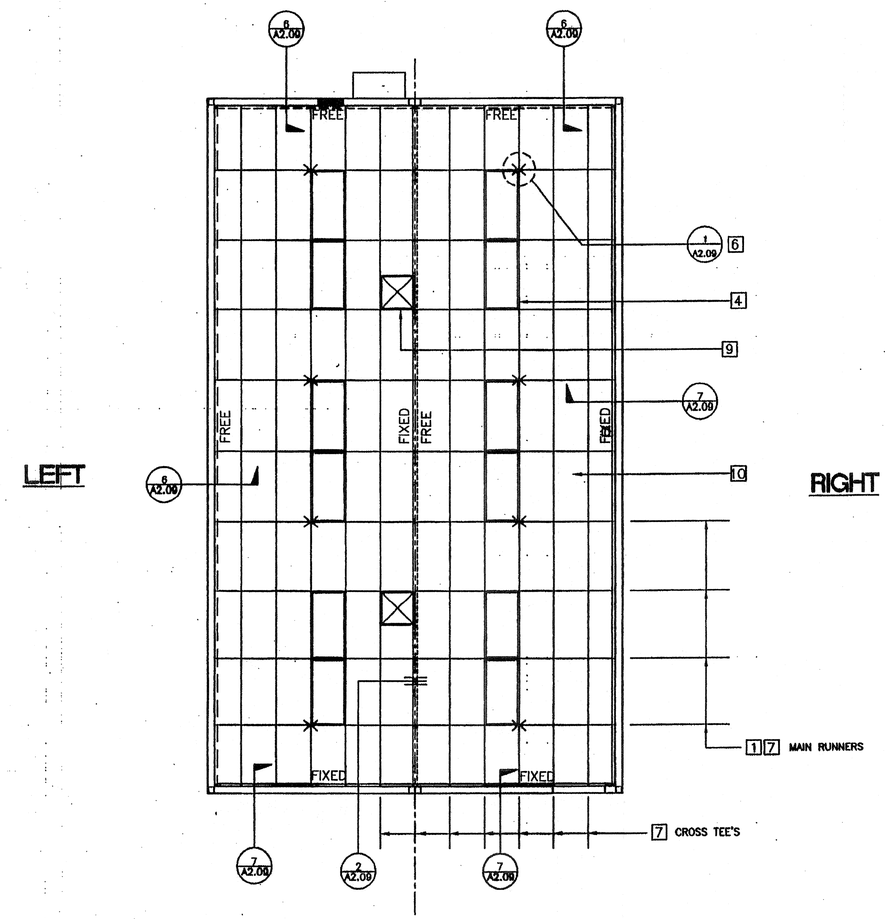
DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

FLOOR PLAN

A1.1

REAR



FRONT

KEY NOTES

1. MAIN RUNNERS @ 4'-0" W/12GA. HANGER WIRES @ END OF EACH RUNNER.
2. AT THE END OF ROWS OF RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
4. PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES: 2 X 4 RECESSED, ATTACH FIXTURE TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER.
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS, OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
6. CEILING AREAS SHALL HAVE 2/4-WAY SPLAYS PER DETAIL 1 ON SHEET A2.09 IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
7. T-BAR PART NUMBERS

	ARMSTRONG PA-041		
RUNNER MAIN	7301D		
4' CROSS TEE	7343		
2' CROSS TEE	7328		
WALL ANGLE	7800D		

8. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
9. REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA. SHEET METAL SCREWS. (TYP. 1- @ EA. CORNER)
10. CEILING PANELS: 2910

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- SPLAY WIRE 4 WAY
- INDICATES FIXED SIDE (SEE DETAIL 7/A2.09)
- INDICATES FREE SIDE (SEE DETAIL 6/A2.09)

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04 105455 AC FLS SS DATE JUL 17 2003

04 [illegible] 34 JUL 17 2003

REFLECTED CEILING PLAN (24'X40')
OPP-HAND

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

FILE PATH:

REVISIONS			
1	GL	ADDED & MODIFIED REFLECTED CLG.	7/9/03
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

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LICENSED ARCHITECT REGULAR No. C-24638 12/31/05 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

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MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

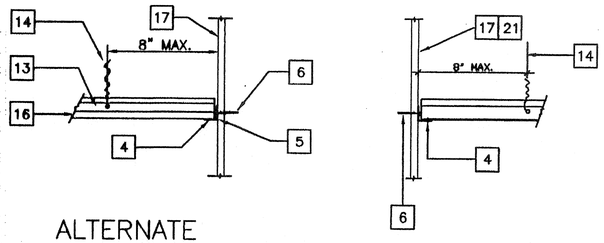
REFLECTED CEILING PLAN 12 LIGHTS

A2.04

PROJECT NO. 4736

PC-04-104796

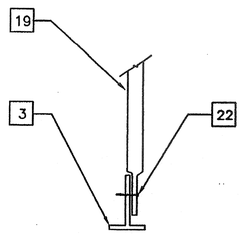
STKP-76



ALTERNATE

TYPICAL FIXED SIDE

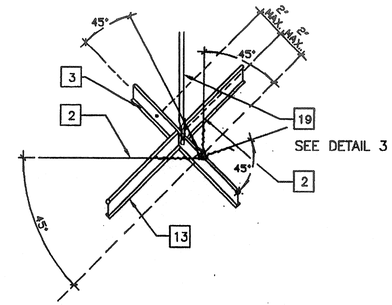
7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION

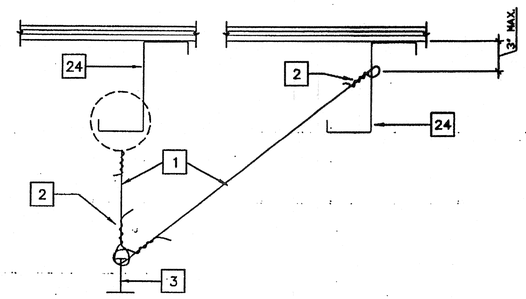
ALT. CONN. AT BOTTOM

4



SIESMIC SPLAY - 4 WAY

1



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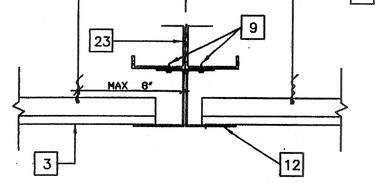
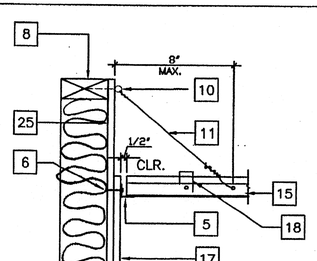


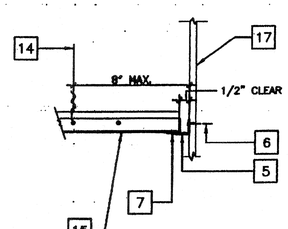
NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY.

GRID AT MOD LINE

SCALE 3"=1'

2

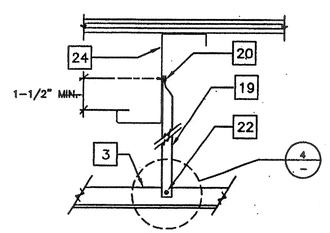




ALTERNATE

TYPICAL FREE SIDE

6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR DEPENDING UPON CONDITION & LOCATION

3

KEY NOTES

1. 12GA. HANGER OR DIAGONAL SPLAY WIRE IN PUNCHED OR DRILLED HOLE
2. 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.) WIRE TO RUN PERPENDICULAR TO MAIN TEE
3. MAIN RUNNER
4. 1/8"ø POP RIVET TO EACH T-BAR
5. WALL ANGLE
6. 6d 16" @ FRAMING TO WALL STUD #8 S.T.S.M.S. WHEN METAL STUDS ARE USED
7. ANGLE WITH 1/8"ø POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
8. TOP PLATE
9. #10 S.T.S.M.S. @ 4' O.C.
10. 3" X 1/4" EYED SCREW. 1/8"ø X 2" JIF-E SCREW WHEN METAL STUDS ARE USED
11. HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
12. 28 GA. JETCOAT
13. CROSS TEE
14. 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2" - SEE DETAIL #5 FOR WIRE TO PURLIN ATTACHMENT
15. MAIN RUNNERS OR CROSS TEES
16. ACOUSTICAL BOARD
17. FINISH WALL
18. HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE ARMSTRONG #7425 OR #7445 WITH SPRING STEEL SNAP TO RUNNER PER IR M-3
19. 3/4" EMT CONDUIT - MAX 5'-2" (COMPRESSION STRUT)
20. CRIMP CONDUIT AND ATTACH TO RAFTER WITH (1) #8 TEK SCREW
21. PROVIDE SPACE AT ALL MEMBERS AT OPPOSITE WALL
22. CRIMP CONDUIT AND ATTACH TO T-BAR GRID WITH (1) #8 TEK SCREW
23. ROOF BEAM SEE (STR)
24. ROOF PURLIN SEE (STR)
25. ~~FIBERGLASS BLANKET INSULATION~~ FIRE BLOCK

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04 1 84
JUL 10 2003

NOTE:
1. FIRE BLOCKING TO BE PROVIDED AT CEILING LEVEL OF ALL WALLS. FIRE BLOCKING MAY BE WOOD, GYPSUM BOARD, CEMENT FIBER BOARD OR BATTS OR BLANKETS OF MINERAL OR GLASS FIBER INSULATION PER CBC SECTION 708.2.2.

PROJECT NO. 4736

PC-04-104796

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
No. C-34638
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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CBC 2001
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PC-04
104796
AC FLS SS
DATE 5/5/03

MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

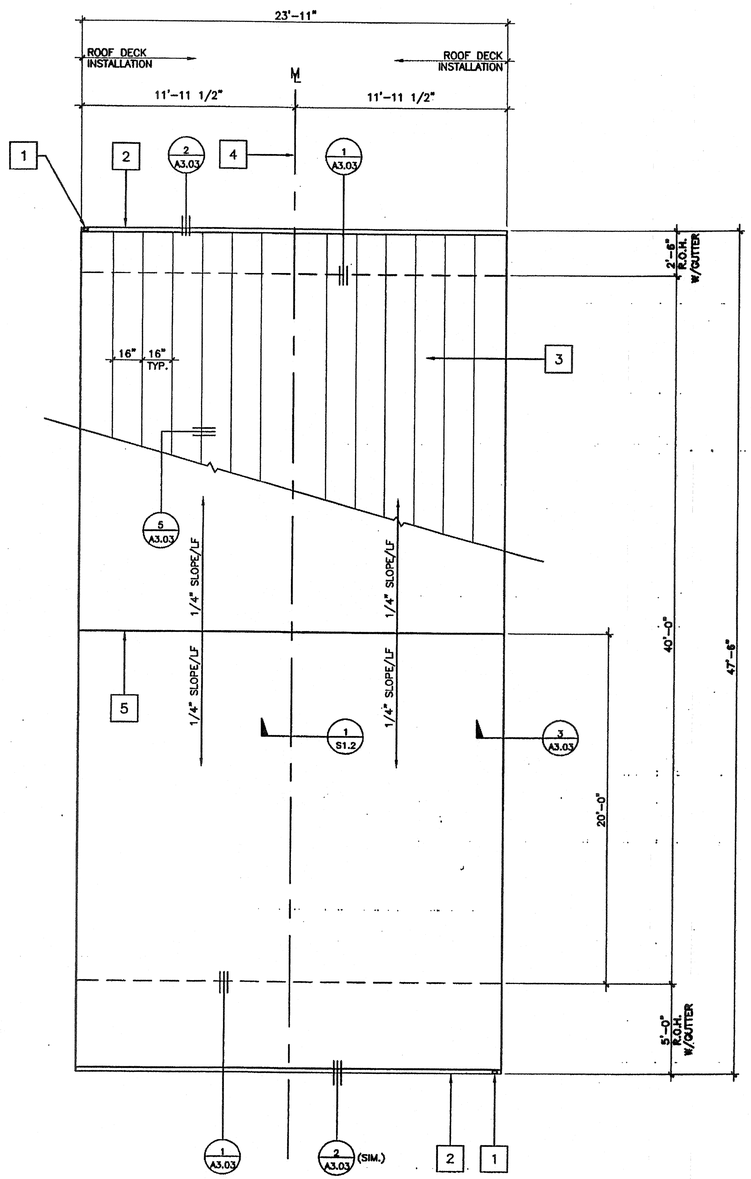
DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

REFLECTED CEILING DETAILS

A2.09

REAR



LEFT

RIGHT

FRONT

ROOF PLAN (DUAL SLOPE) (24'X40')

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

KEY NOTES

1. DOWNSPOUT (TYPICAL 3" X 2" X 26GA)
2. CONTINUOUS GUTTER 26GA.
3. 22GA. MIN. INTERLOCKING ROOF PANELS (TYP)
4. MODLINE
5. RIDGELINE

NOTES

1. BUILDING HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A. C.B.C. CLASS A

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JUL 10 2003

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT FRED WAYNE HALLOCK No. C-24830 12/31/05 RENEWAL DATE STATE OF CALIFORNIA

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MODTECH INC.™
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

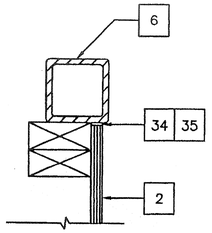
MODTECH Index No.

ROOF PLAN

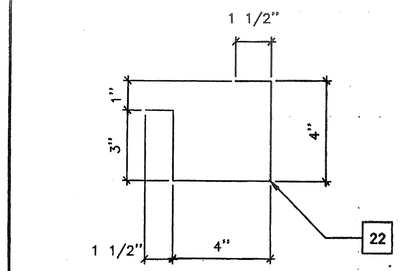
A3.01

PROJECT NO. 4736

PC-04-104796

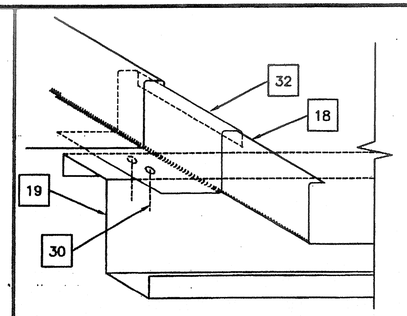


17 EXT. FINISH TO COLUMN 13

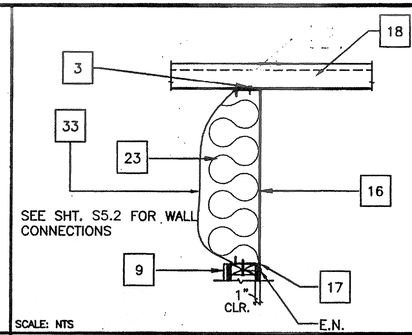


SCALE: 3"=1' CONT. GUTTER 26GA. AT FRONT

CONT. GUTTER AND CLOSURE 9

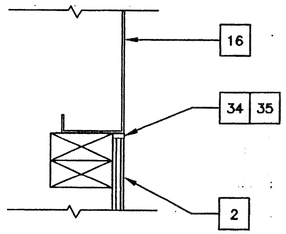


ROOF STANDING SEAM 5

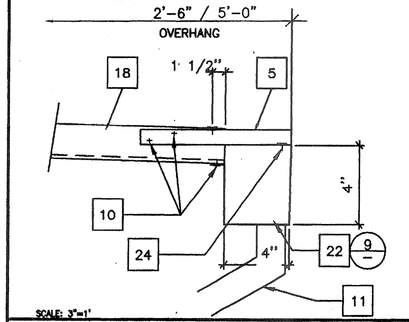


SCALE: NTS

END WALL AT ROOF 1

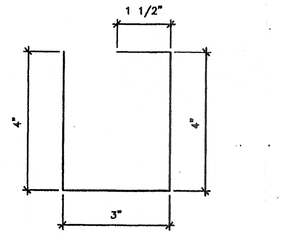


18 14 EXT. FINISH TO BEAM/HEADER 10



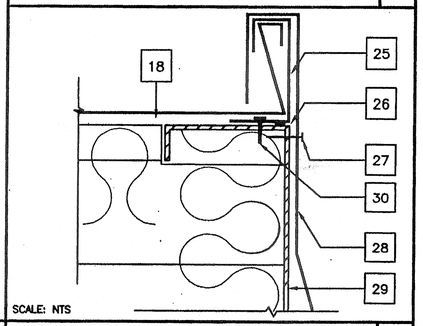
SCALE: 3"=1'

GUTTER • ROOF HEADER 2



SCALE: NTS CONT. GUTTER 26GA. AT REAR

19 15 CONT. GUTTER AND CLOSURE 11 6



SCALE: NTS

ROOF FLASHING AT SIDE WALL 3

20 16 12 8 4

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JUL 10 2003

KEY NOTES

1	TYP. INTERIOR FINISH
2	TYP. EXTERIOR FINISH
3	#14STSMS X 3/4" W/NEO WASHER 3 PER PAN MAX 6" O.C. AT HEADER FRONT AND REAR
~~4~~	~~2X4 STUD TYP. 16" O.C.~~
5	1 1/2"X1 1/2" X 22GA ∠ CLIP AT 32" O.C.
6	TUBE STEEL SEE STR
7	NOT USED
8	SEALANT TYP. (SEE SPECIFICATIONS)
9	EXTERIOR WALL (SEE S5.0 FOR CONNECTIONS)
10	#14 STSMS AT EA STANDING RIB (16" OC)
11	DOWNSPOUT
~~12~~	~~#8 STSMS 1 AT EA SIDE OF DOWNSPOUT TO BRACKET~~
13	NOT USED
~~14~~	~~ATTACHMENT BRACKET (TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2 #10 STSMS, BRACKET TO STUD) SEE NOTE AT DETAIL 8~~
~~15~~	~~2 X 4 SILL PLATE PER 4/S5.1~~
16	ROOF HEADER SEE STR
17	1/4" GAP w/ 3/8" DIA BACKER ROD 1/4" CAULKING/COLOR CAULK, MATCH PAINT
18	STANDING SEAM ROOF (SEE A3.01 FOR GA.)
19	ROOF PURLIN SEE STR
~~20~~	~~FLOOR BEAM SEE STR~~
~~21~~	~~22GA GALV. FLASHING (AT BELOW GRADE CONC. FOUNDATION ONLY)~~
22	CONTINUOUS 26GA. GUTTER (SEE DETAIL #9)
23	INSULATION (SEE SPECS FOR TYPE AND SIZE)
24	#14 STSMS AT EACH CLIP (32" O.C.)
25	22 GA STARTER/END ROOF CLIP—DETAIL #3
26	1/4" CONTINUOUS BEAD OF SEALANT AROUND ENTIRE PERIMETER OF FRAME
27	#10 STSMS WITH NEOPRENE WASHER FOR FLASHING INTO ROOF BEAM @ 24" O.C.
28	26 GA GALVANIZED IRON FLASHING AT SIDE WALL
29	C 14x12 GA HEADER
30	(2) BZH 144 0175 KNURLED DRIVE PINS ROOF CLIP TO EACH PURLIN, TO ROOF BEAM AND TO HEADER. (PURLINS @ 4'-0" O.C.)
~~31~~	~~22 GA STANDING SEAM ROOF PAN~~
32	22 GA ROOF CLIP (AT EA. PURLIN)
33	PROVIDE VAPOR BARRIER OVER INSULATION AT ROOF BEAMS AND CEILING
34	1/4" GAP w/ 3/8"ø BACKER ROD
35	1/4" CAULKING/COLOR CAULK, MATCH PAINT

REVISIONS

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT FRED VINCENT HALLOCK No. C-24628 12/31/04 STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104706
AC FLS SS
DATE 5/4/03

MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
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DATE:

MODTECH Index No.

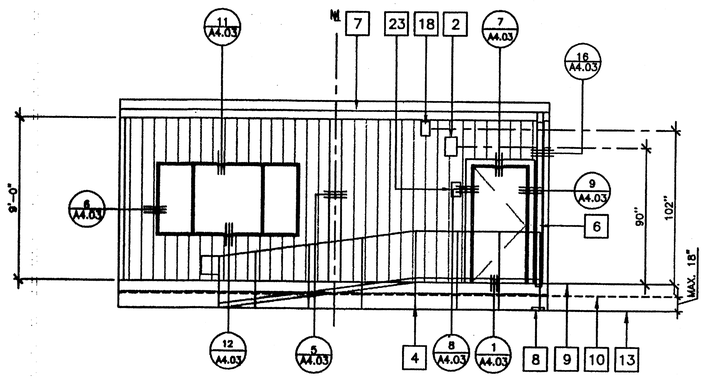
ROOF DETAILS

A3.03

PROJECT NO. 4736

PC-04-104706

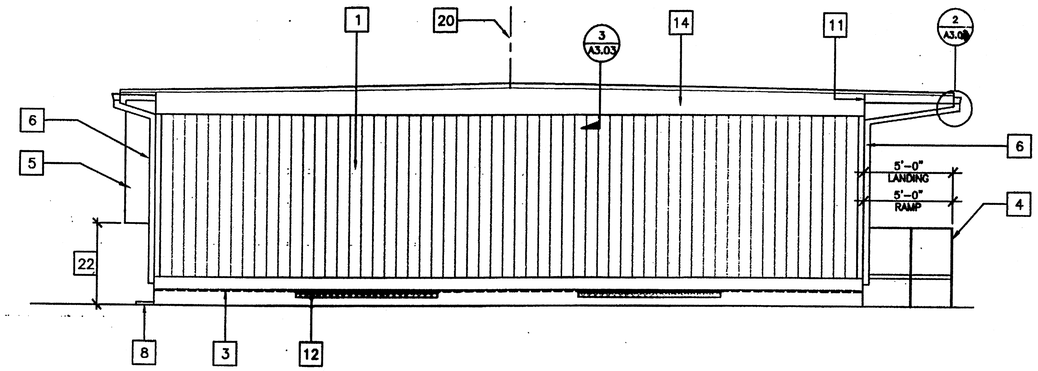
FILE PATH:



1 FRONT ELEVATION

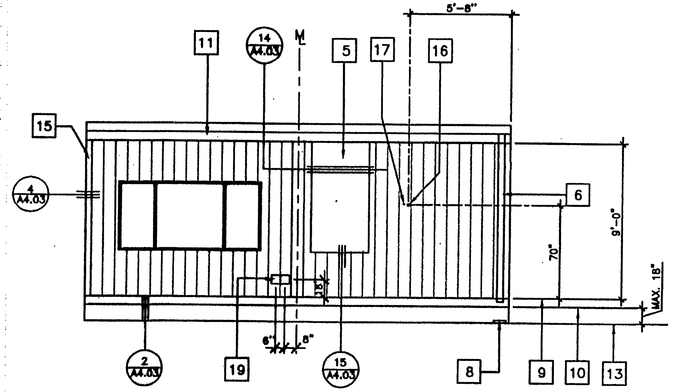
OPP-HAND

1/4" = 1'-0"



2 LEFT ELEVATION

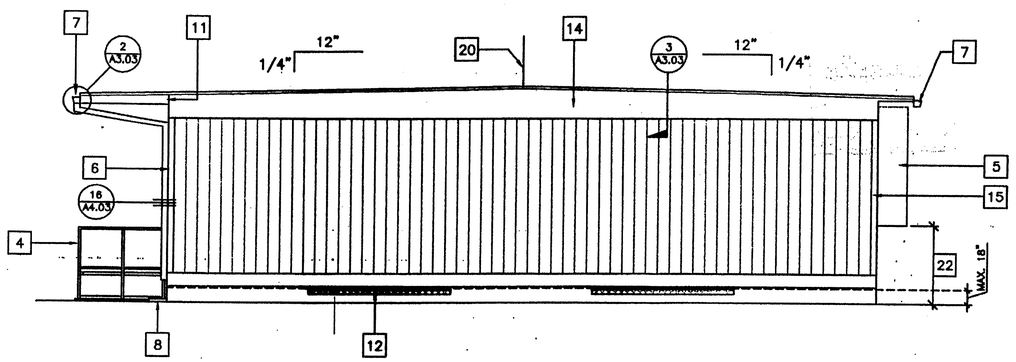
1/4" = 1'-0"



3 REAR ELEVATION

OPP-HAND

1/4" = 1'-0"



4 RIGHT ELEVATION

1/4" = 1'-0"

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE A6.02)
2. EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
3. TOP OF SKIRTING
4. RAMP AND LANDING (RAMP) SEE RAMP DRAWINGS
5. HVAC UNIT. SEE (HV)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 16/A4.03)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A3.01
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. VENT. SEE FOUNDATION PLAN
13. FINISH GRADE
14. ROOF BEAM SEE (STR)
15. COLUMN SEE (STR)
16. ELECTRICAL STUB-OUT SEE (EL)
17. GROUND STUB-OUT SEE (EL)
18. J BOX FOR EXT. FA HORN SEE (EL)
19. NEMA 6" X 6" GUTTER BOX SEE (EL)
20. RIDGE
21. NOT USED
22. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" THEN PROTECTION MUST BE PROVIDED BY DISTRICT PRIOR TO OCCUPANCY
23. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.02

NOTES

1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

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JUL 10 2003

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
FREDERICK HALLOCK
No. C-24826
12/31/05
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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PC-04
104796
AC FLS SS
DATE 6/4/03

MODTECH INC.™
2830 BARRETT AVENUE FAX (909) 943-4014
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PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
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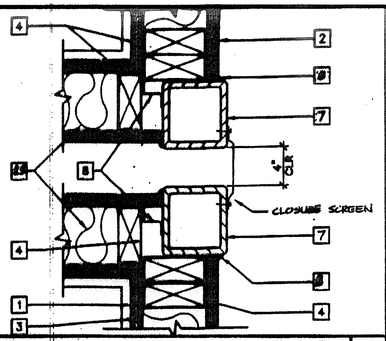
DATE:

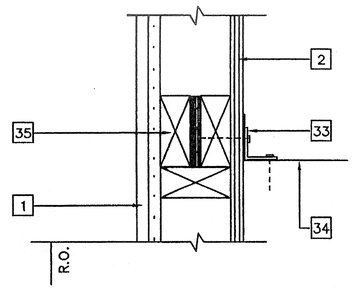
EXTERIOR ELEVATIONS W/ FASCIA

MODTECH Index No.
A4.01

PROJECT NO. 4736
PC-04-104796

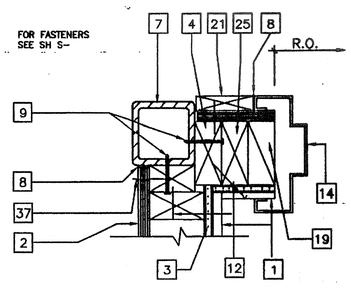


CLOSURE BETWEEN BLDG'S | 17



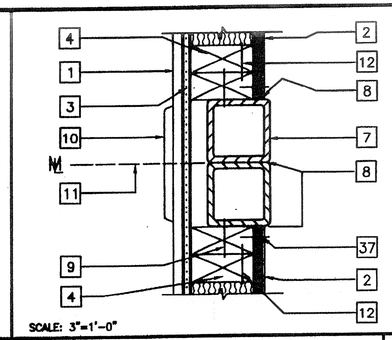
SCALE: NTS AC UNIT ATTACHMENT (SIDES)

UNIT ATTACHMENT | 13



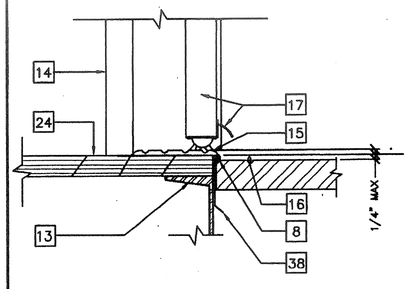
SCALE: 3"=1'-0"

DOOR JAMB | 9



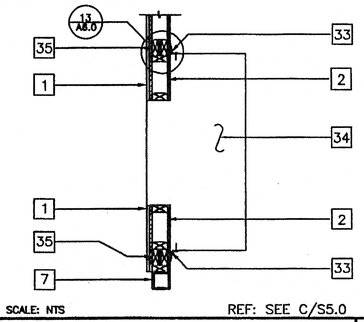
SCALE: 3"=1'-0"

COLUMN • MODLINE | 5



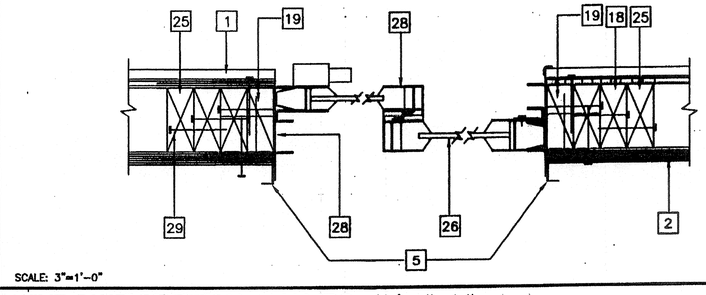
SCALE: 3"=1'-0"

THRESHOLD | 1



SCALE: NTS REF: SEE C/S5.0

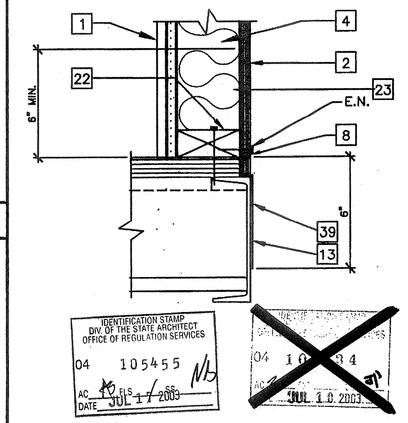
A.C. UNIT (PLAN) | 14



SCALE: 3"=1'-0"

WINDOWS SECTION • JAMBS | 6

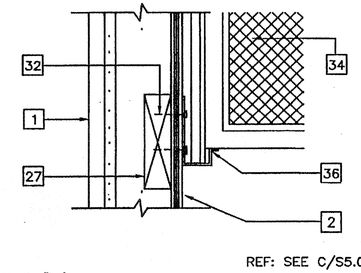
18



NOTE: FLASHING AS SHOWN SUPPLIED BY MODTECH. SEE NOTE #21 ANY OTHER FLASHING OR EXTENSION IS THE RESPONSIBILITY OF THE SITE CONTRACTOR OR SCHOOL DISTRICT

SCALE: 3"=1'

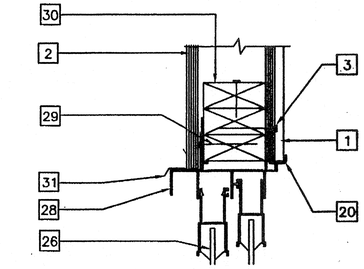
TYPICAL SILL • FLOOR | 2



REF: SEE C/S5.0

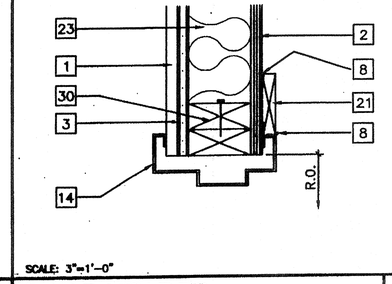
SCALE: 3"=1'

A.C. UNIT (BOTTOM) | 15



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

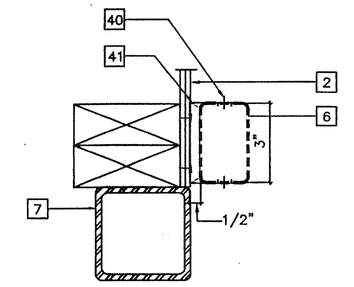
WINDOW HEADER | 11



SCALE: 3"=1'-0"

DOOR HEADER | 7

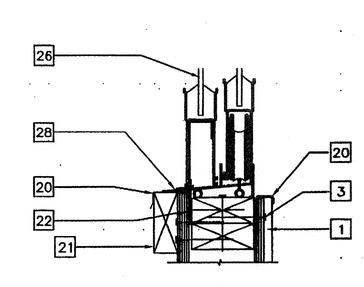
19



NOTE: DOWN SPOUT ATTACHES TO COLUMN AT FRONT AND TO STUD AT REAR IN ORDER TO MISS RAMP RAILING AT FRONT

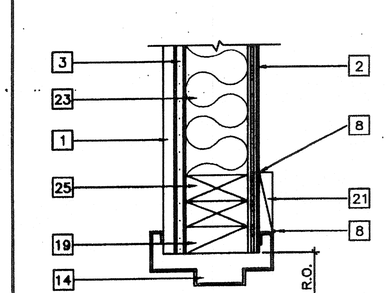
SCALE: 4"=1'

DOWNSPOUT ATTACHMENT | 16



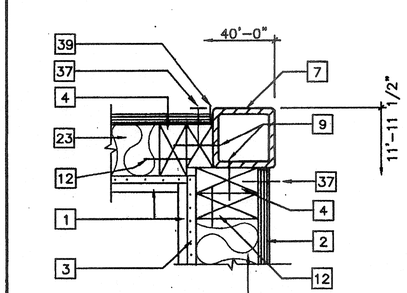
SCALE: 1 1/2"=1'-0"

SILL PLATE | 12



SCALE: 3"=1'-0"

DOOR JAMB | 8



SCALE: 3"=1'-0"

CORNER COLUMN | 4

KEY NOTES

1. TYP. INTERIOR FINISH (SEE FINISH SCHEDULE)
2. TYPICAL EXTERIOR FINISH
3. 1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS AT MAX 7" O.C. TYP. AT EA. STUD
4. 2X4 STUD TYP. AT 16" O.C. MAX.
5. CORNER MOLD
6. DOWNSPOUT
7. TUBE STEEL COLUMN SEE STR
8. CAULKING
9. #10 S.T.S.M.S. AT MAX. 24" O.C. (ALT. HILTI 0.145 SHOT PIN) 2X FILLER TO COLUMN
10. VINYL CLOSURE
11. MODULE JOINT
12. 16d AT 24" O.C. FACE NAIL OR 16d AT 12" O.C. TOE NAIL (SEE SHEET S5.2)
13. FLOOR BEAM SEE STR
14. PRESSED STEEL FRAME (K.D. TYPE SEE A6.02)
15. ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
16. FINISH LANDING SEE FLOOR PLAN AND FOUNDATION FOR TYPE AND FINISH
17. DOOR AND DOOR BOTTOM (SEE HARDWARE SCHEDULE)
18. (2) 2X4 KING STUD (SEE SHEET S5.0)
19. 2X4 TRIMMER (SEE SHEET S5.0)
20. "Z" MOLD 26GA
21. 4" ABTCO TRIM
22. (2) 2X4 SILL PLATE W/ 16d AT 16" O.C.
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING (SEE FINISH SCHEDULE SHEET A6.02)
25. 2X4 JAMB STUDS (SEE SHEET S5.0) DETAILS FOR NUMBER OF STUDS REQUIRED AND NAILING SCHEDULE FOR NAILING
26. WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A6.02)
27. 2X6 LET IN (SEE WALL FRAMING SHEET C/S4.0)
28. ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/ MIN. 3" BLDG. PAPER BETWEEN FINISH AND FRAMING. INSTALL WITH 8d AT MAX. 24" O.C.
29. 16d BOX STAGGERED AT MAX 24" O.C.
30. HEADER 12/S5.0
31. 26 GA DRIP FLASH
32. 6-3/8"ø X 2" GALVANIZED LAG SCREWS
33. L 1-1/2"x1-1/2"x1/8"x18" LONG (BY HVAC MFR.) ATTACHED TO A/C W/ 4-#10 SELF TAPPING SHEET METAL SCREWS AND ATTACH TO WALL W/ 3"ø X 2" GALVANIZED LAG SCREWS
34. SIDE OF HVAC UNIT SEE HV
35. (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST. 8d AT O.C. STAGGERED SPACER TO FIRST 2X6 16d AT 12" O.C. SECOND 2X4 12d AT 12" O.C. STAGGERED THIRD 2X4 ALTERNATE USE 4X4 POST
36. 11GA. X24" STEEL SUPPORT BRACKET
37. EN - 8d BOX ELECTRO GALV. AT 6" O.C.
    FN - 8d BOX ELECTRO GALV. AT 12" O.C.
38. 26 GA GALVANIZED FLASH AT DOOR SILL
39. 22 GA. GALV. FLASHING (AT BELOW GRADE CONC. FOUNDATION ONLY)
40. #8 STSMS - 1 AT EA SIDE OF DOWNSPOUT TO BRACKET
41. ATTACHMENT BRACKET (TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2-#10 STSMS, BRACKET TO STUD) SEE NOTE AT DETAIL B

NOTES

1. EN 8d ELECTRO GALV. AT 6" O.C.
2. FN Ed ELECTRO GALV. AT 12" O.C.
3. SEE SHEET S5.0 FOR TYPICAL WALL FRAMING NAILING

INSULATION MATERIALS INSULATED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAMESPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
A: FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602

B: WHEN MATERIALS ARE INSULATEDIN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS. IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC)

FILE PATH:

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT FRED VINCENT MALLOCK No. C-24626 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

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PC-04 104796
AC FLS SS
DATE 6/10/03

MODTECH INC.
2830 BARRETT AVENUE FAX (909) 943-4014
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PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
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DATE:

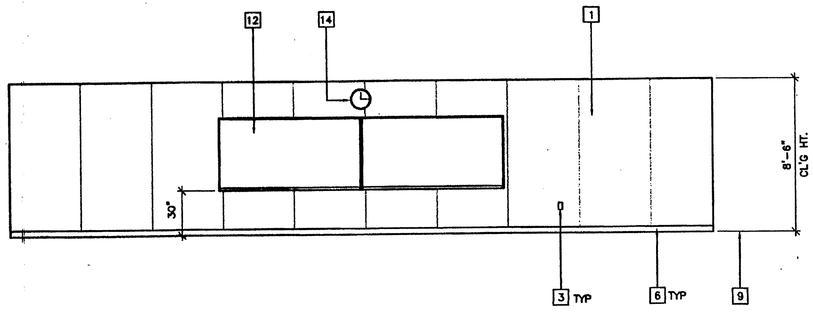
MODTECH Index No.

ARCHITECTURAL DETAILS

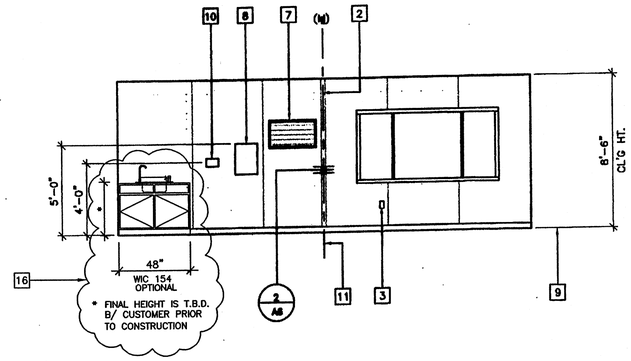
A4.03

PROJECT NO. 4736

PC- 04-104796

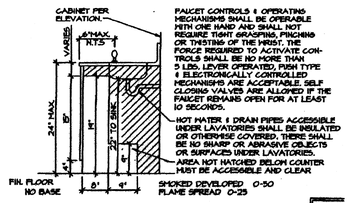


1 LEFT ELEVATION

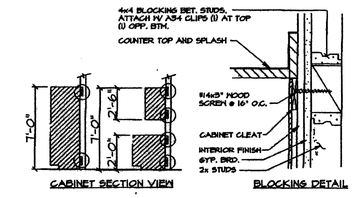


* FINAL HEIGHT IS T.B.D. B/ CUSTOMER PRIOR TO CONSTRUCTION

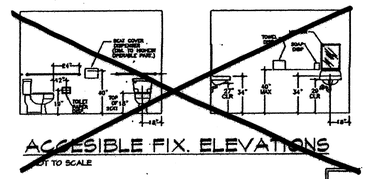
2 REAR ELEVATION
OPP-HAND



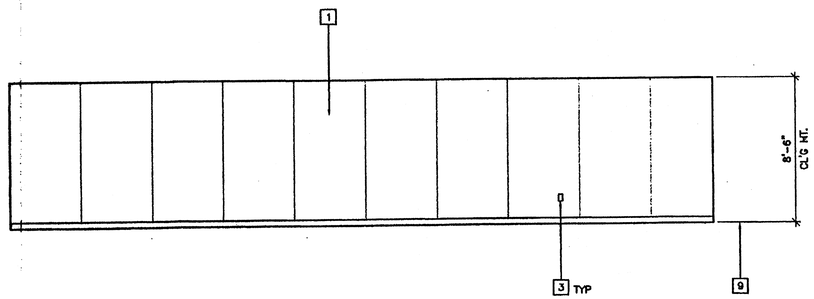
H.C. SINK CAB. SEC.



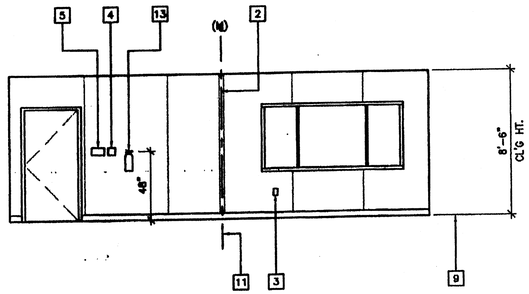
CABINET ATTACHMENT



ACCESIBLE FIX. ELEVATIONS
NOT TO SCALE



3 RIGHT SIDE ELEVATION



4 FRONT ELEVATION
OPP-HAND

DIMENSION	A	SUGGESTED E	SUGGESTED K
TOILET CENTERLINE FROM WALL	18"	15"**	12"**
TOILET SEAT HEIGHT	17"-19"	15"	10"-12"
GRAB BAR HEIGHT (SIDE)	33"	27"**	20"-22"
		DIM TO TOP OF SEAT	
TOILET PAPER IN FRONT OF TOILET	12" MAX.	6"MAX**	6"MAX**
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX	12"MAX.	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	24" MIN.	24" MIN.	19" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MIN.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX	32" MAX
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX	30" MAX
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	21"	23"

** DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

RECOMMENDED ACCESSIBILITY DIMENSIONS

Dec-14-00 09:39A

KEY NOTES

1	TYPICAL INTERIOR FINISH (FIN)
2	CLOSURE AT MODULAR JOINT
3	DUPLEX WALL RECEPTACLE (EL)
4	J-BOX FOR FIRE ALARM PULL STATION (EL)
5	LIGHT SWITCH (EL)
6	BASE
7	RETURN AIR GRILL
8	ELECTRICAL PANEL (EL)
9	FINISH FLOOR LINE (FIN)
10	THERMOSTAT (HV) SEE MECHANICAL PLANS
11	MODULAR JOINT
12	8040 PORCELAIN STEEL MARKER BOARD, TYPICAL FOR (2)
13	FIRE EXTINGUISHER: 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING ON WALL MOUNTED BRACKET, HANDLE AT 48" AFF
14	ELECTRIC CLOCK (EL)
16	SINK/CABINET (OPTIONAL)

FILE PATH:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC. FLS SS
DATE JUL 17 2003

JUL 10 2003

INTERIOR ELEVATIONS (24'x40')
SCALE: 1/4" = 1'-0"

REVISIONS			Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1					LICENSED ARCHITECT FRED VOSS MALLOCK No. C-24628 12/31/03 RENEWAL DATE STATE OF CALIFORNIA	
2						
3						
4						
5						

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104796
AC. FLS MEP SS
DATE 5/1/03

MODTECH INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.
A5.02

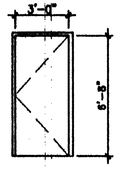
INTERIOR ELEVATIONS 24'x40'

DOOR SCHEDULE

DOORS							FRAMES					
DOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" X 6'-8"	HM	A	NA	1	1	HM	7/A4.03	8/A4.03	1/A4.03	5-1/8"	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD
SCL – SOLID CORE WOOD LEGACY

DOOR ELEVATIONS



TYPE A

DOOR NOTES

1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 38" AFF & DEADBOLTS @ 44" AFF.
2. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
3. ALL DOORS SHALL BE 1-3/4" THICK UNO
4. DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
5. SAFETY GLASS, CLEAR
6. WIRE GLASS
7. UNDERCUT DOOR
8. FIXED LOUVER
9. FUSIBLE LINK LOUVER
10. VISION PANEL
11. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS ON ALL DOORS

HARDWARE SCHEDULE

HARDWARE SET #1

LOCKSET	– SCHLAGE D70PD, WITH RHODES LEVER, OR EQUAL
BUTTS	– 1-1/2 PAIR HAGER 1191 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL.
CLOSER	– NORTON 8500 DA / LCN 460 OR EQUAL
THRESHOLD	– PEMCO 271A OR EQUAL
DOOR BOTTOM	– PEMCO 216AV OR EQUAL
WEATHERSTRIP	– PEMCO 299AV OR EQUAL
DOOR STOP	– QUALITY #44 OR EQUAL

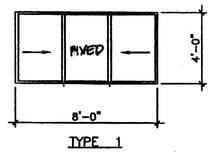
HARDWARE SET #2

LOCKSET	– SCHLAGE D53PD, WITH RHODES LEVER, OR EQUAL
BUTTS	– 1-1/2 PAIR HAGER BB1279 4-1/2 x 4-1/2 26D OR EQUAL.

WINDOW SCHEDULE

AMT.	TYPE	WIDTH	HEIGHT	FINISH	WIN. NO.	GLASS TYPE
2	1	8'-0"	4'-0"	ANODIZED	A	7/32" MIN, SOLAR GRAY 46%, DUAL GLAZE

WINDOW ELEVATIONS

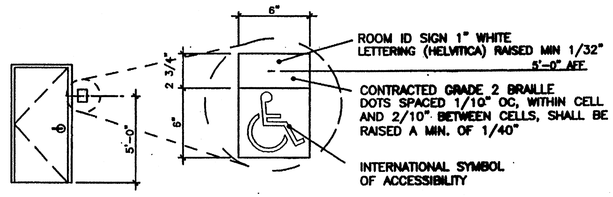


TYPE 1

WINDOW NOTES

1. 8040 XOX ANODIZED ALUMINUM GLAZING: EXTERIOR LITE 3/16" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LITE TRANSMISSION FACTOR OF 46%. 1/4" ALUMINUM SPACER. INTERIOR LITE – 1/8 MIN. CLEAR TEMPERED. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS.

ACCESSIBILITY SIGNAGE (BY DISTRICT)



ENTRY DOOR FROM EXTERIOR VIEW

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES								REMARKS
		FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	
				FRONT	LEFT	REAR	RIGHT			
1	CLASSROOM	A	D	F	F	F	F	L	8'-6"	

A – CARPET PER STATE OF CALIF SPEC 7220-51E-04 COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSET BASE.
B – VINYL SHEET FLOORING
C – SELF COVE BASE – 6"
D – 4" BURKE
E – 6" BRIGANTINE OR SANDOVAL
F – 1/2" VINYL TACKBOARD CLASS-1 OVER 1/2" GYP. BOARD BACKING
G – 1/2" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
H – 3/8" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
I – 1/2" GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
J – 3/8" GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
K – 1/8" MARLITE OVER 1/2" W.R. GYP. BOARD
L – ACCOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
M – 3/32" FRP OVER 1/2" WR GYP. BOARD

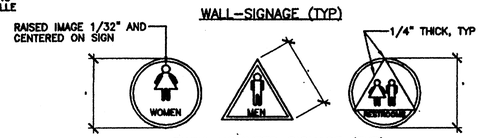
FINISH NOTES

1. SUB-FLOOR PREP:

PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMATIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTER. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

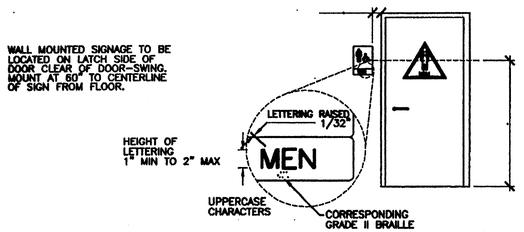
TOILET ROOM SIGNAGE (BY DISTRICT)

WALL-SIGNAGE (TYP)



DOOR MOUNTED SIGNAGE (TYP)

NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE. ALL CIRCLES AND TRIANGLES ARE 1/4" THICK.



IDENTIFICATION SYMBOLS FOR SANITARY FACILITIES

INTERNATIONAL SYMBOL OF ACCESS (WHEEL CHAIR SYMBOL) REQUIRED DOOR OR AT STRIKE SIDE ROOM IDENTIFICATION

NOTES

1. ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 3,6,7,8, & 10 & C.F.C. & TITLE 19 C.C.R.
2. FOR DOOR AND DOOR FRAME DATA SEE SPECIFICATIONS ON SHEET A8.0.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC. AS FLS SS
DATE JUL 17 2003

JUL 10 2003

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
LICENSED ARCHITECT
FRED VINSEN HALLOCK
No. C-24638
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
AC. FLS SS
DATE 5/2/03

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

SCHEDULE SHEET

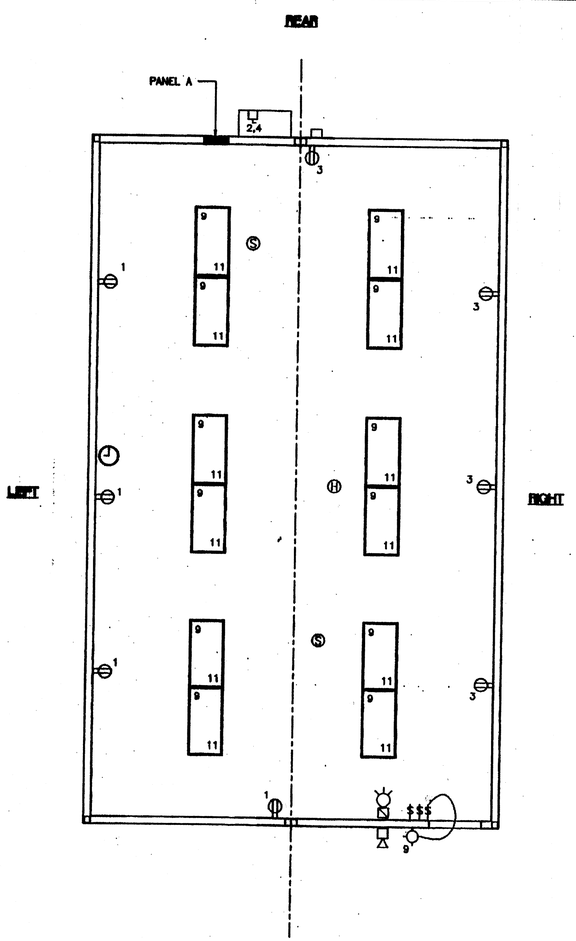
A6.02

PROJECT NO. 4736
PC-04-104796
FILE PATH: 2440-0-A5-0.DWG

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP 12 POLE | PANEL: A | LOCATION: REAR/INTERIOR | FEED: REAR | MOUNTING: FLUSH

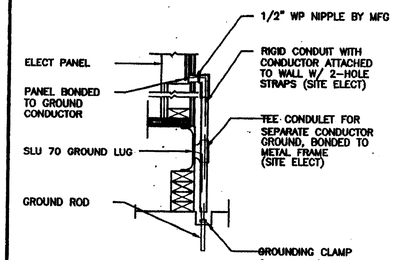
LOAD	WATTS A⌀	WATTS B⌀	BREAKER Amps	P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A⌀	WATTS B⌀	LOAD
RECEPTACLE	720		20	1	1			2	2	60	7080		HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	1	3			4	–	–		7080	HVAC (3 1/2T)
					5			6					
					7			8					
INT/EXT LIGHTS	900		20	1	9			10					
INT. LIGHTS		840	20	1	11			12	–	–		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 8700	1620	1560									7080	7120	B = 8680 WATTS/PHASE
TOTAL 17380 WATTS	72		AMPS		120/240 VOLTS				SINGLE ⌀				THREE WIRE



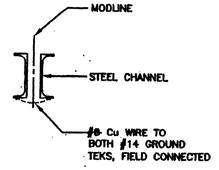
ELECTRICAL PLAN (24'x40')
OPP-HAND SCALE: 1/4" = 1'-0"

GENERAL GROUNDING NOTES

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
4. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.



TYP GROUNDING DETAIL | 1



GROUND JUMPER • MOD LINE | 2

ELECTRICAL LEGEND

- 2'x4' T8 LIGHTS W/ELECT. BALLAST
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- SWITCH AT +48" AFF
- SWITCH AT +48" AFF FOR EXT. LIGHT
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO OR . PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE/HORN AT +80" TO TO BOTTOM OF DEVICE AFF. 3/4" CO TO PULLSTRING.
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO . PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +80" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- (H) 4SD J-BOX FOR HEAT DETECTOR (ATTIC) * MAX 25' FROM ANY WALL AND 50' BETWEEN THEM.
- (S) 4SD J-BOX FOR SMOKE DETECTOR (ELEC) * MAX 15' FROM ANY WALL AND 30' BETWEEN THEM.
- (D) 2 GANG J-BOX AT 18" w/ CONDUIT STUBBED UP TO ATTIC SPACE.

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1632A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

FOR ELECTRICAL DRAWINGS:

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	33% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	40% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS NB
DATE JUL 17 2003

04 105434
JUL 2 0 2003

FILE PATH:

REVISIONS

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5			

Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSED ARCHITECT FREDERICK HALLOCK No. C-34656 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

PC CBC 2001 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104796 AC FLS NB SS DATE 5/7/03

MODTECH INC.™
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

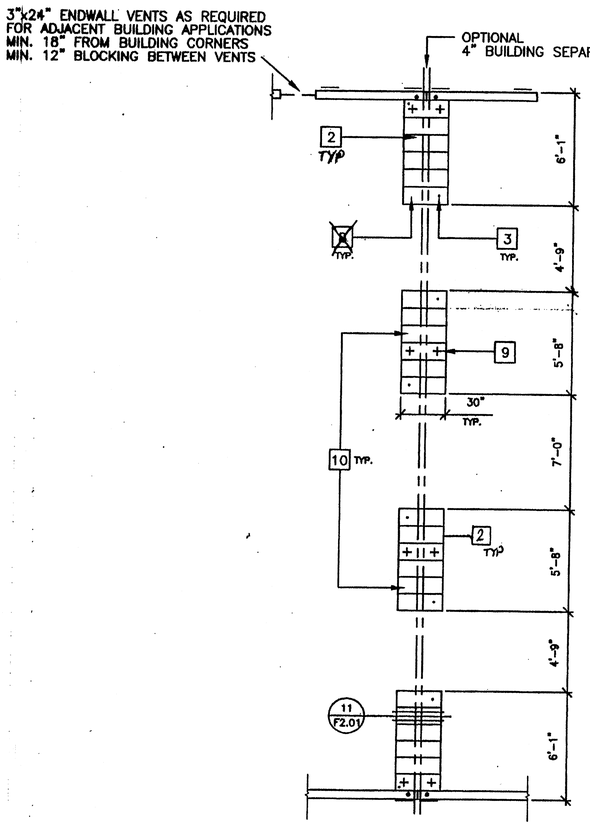
MODTECH Index No.

ELECTRICAL PLAN W/O DATA

E1.03

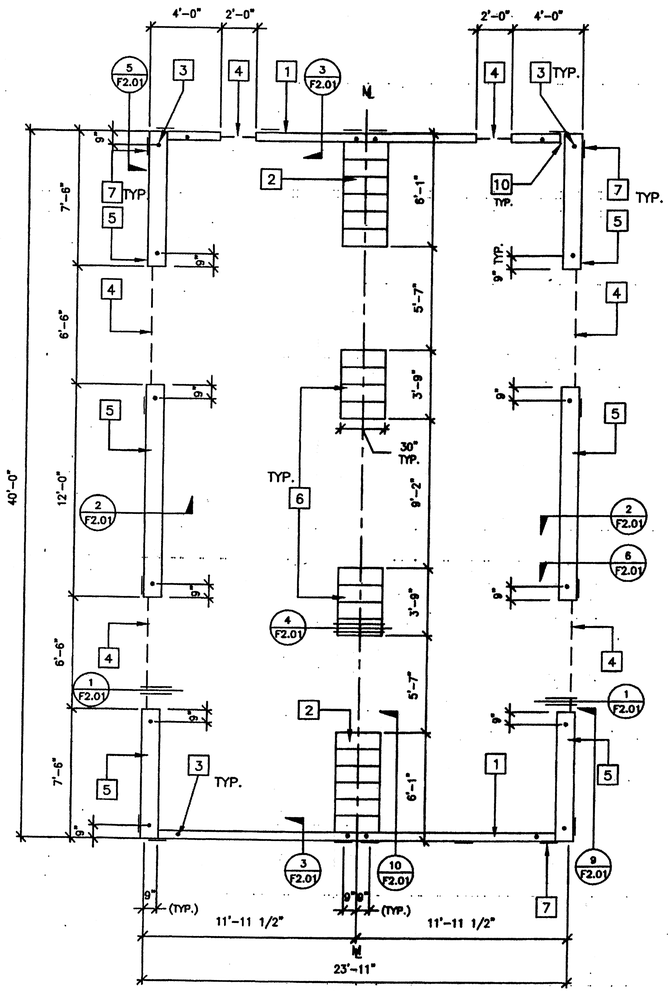
PROJECT NO. 4736

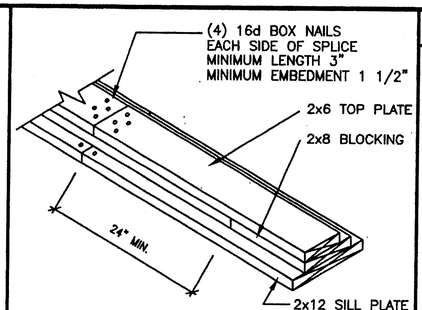
PC-04-104796



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

BUILDING CLOSURE AT 4" SEPARATION NOTES:
- FOR ROOF DETAIL AT ADJACENT BLDG SEE F/S2.0
- FOR WALL DETAIL AT ADJACENT BLDG SEE 17/S4.03 OR S4.03M





IF ADDITIONAL PLATES ARE REQUIRED, ABOVE THE 2x6 TOP PLATES SHOWN, TOP PLATE SHOWN, USE 2x4 PLATES

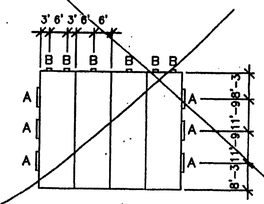
FOUNDATION SPLICE DETAIL | 1

VENT CALCS.

BLD'G SIZE 24' X 40'= 960
VENTILATION REQ'D 960 ÷ 150= 6.4SF
3"X6'-6" VENT=1.625SF X 4 = 6.5SF
3"X2'-0" = 0.5 SF X 2 = 1.0 SF
TOTAL VENTING PROVIDED = 7.5 SF

24'x40' VENT CALCS | 2

BLD'G SIZE 48' X 40'= 1920
VENTILATION REQ'D 1920 ÷150= 12.8SF
VENT A: 3"x6'-6" = 1.625SF x 6 = 9.725SF
VENT B: 3"x2'-0" = 0.5 SF x 6 = 3.0 SF
TOTAL VENTING PROVIDED = 12.72 SF OK



48'x40' VENT CALCS/KEY PLAN | 3

KEY NOTES

1. 2"X6" SILL PLATE (END WALL)
2. 6- 2X12X30" LONG SILL PADS
3. PIPE TO GRADE (TYP.)
4. 3" HIGH BY 6'-6" LONG VENT AT SIDEWALLS
   3" HIGH BY 2'-0" LONG VENT AT ENDWALLS
5. 2X12 SILL PLATE (SIDE WALL)
6. 4-2X12X30" LONG SILL PADS
7. 6"X12"X10 GA. PLATES
   5 AT ENDWALL, 4 AT SIDEWALL
8. ~~TIE PLATE - 8/S/F2.0~~
   ~~AT 70 MPH WIND DESIGN LOAD:~~
   ~~MIN (4) AT EACH ENDWALL,~~
   ~~(3) AT EACH SIDEWALL~~
   ~~AT 80 MPH WIND DESIGN LOAD:~~
   ~~MIN (5) AT EACH ENDWALL,~~
   ~~(4) AT EACH SIDEWALL~~
9. 5/8" DIA x 4" LAGS
10. 2" CUTOUT OF SILL PLATE FOR DRAINAGE, FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION

NOTES

1. SILL RESTRAINT: ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'-0". 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4" MAX. PIPE MAY BE DRIVEN MA. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE
2. ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE:
   END WALLS: 8" O.C.
   SIDE WALLS: 22 "O.C.
3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.
4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE WITH DISTRICT ARCHITECT SITE PLANS.
5. ALL FOUNDATION MATERIAL SHALL BE DOUGLAS FIR
   GROUND CONTACT: LP-22 (CCA .40)
   ABOVE GROUND: LP-2 (CCA .25)
6. ALLOWABLE SOIL BEARING: 1000 PSF
7. "MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN THAN 3" IN OVERALL LENGTH"
   THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.
8. FOR FOUNDATIONS USING (4) PLATES, USE SHEET F2.01 FOR DETAILS IN LIEU OF SHEET F2.0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS
DATE JUL 17 2003
JUL 10 2003

FOUNDATION - WOOD SILL

24' X 40' 50 PSF LL

SCALE 1/4" = 1'

PC
CBC 2001

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1			LICENSED ARCHITECT WILLIAM SCOTTSMAN BALLOCH RENEWAL 12/31/05 STATE OF CALIFORNIA	
2				
3				
4				
5				

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104796
AC FLS SS
DATE 9/5/03

MODTECH™ inc.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

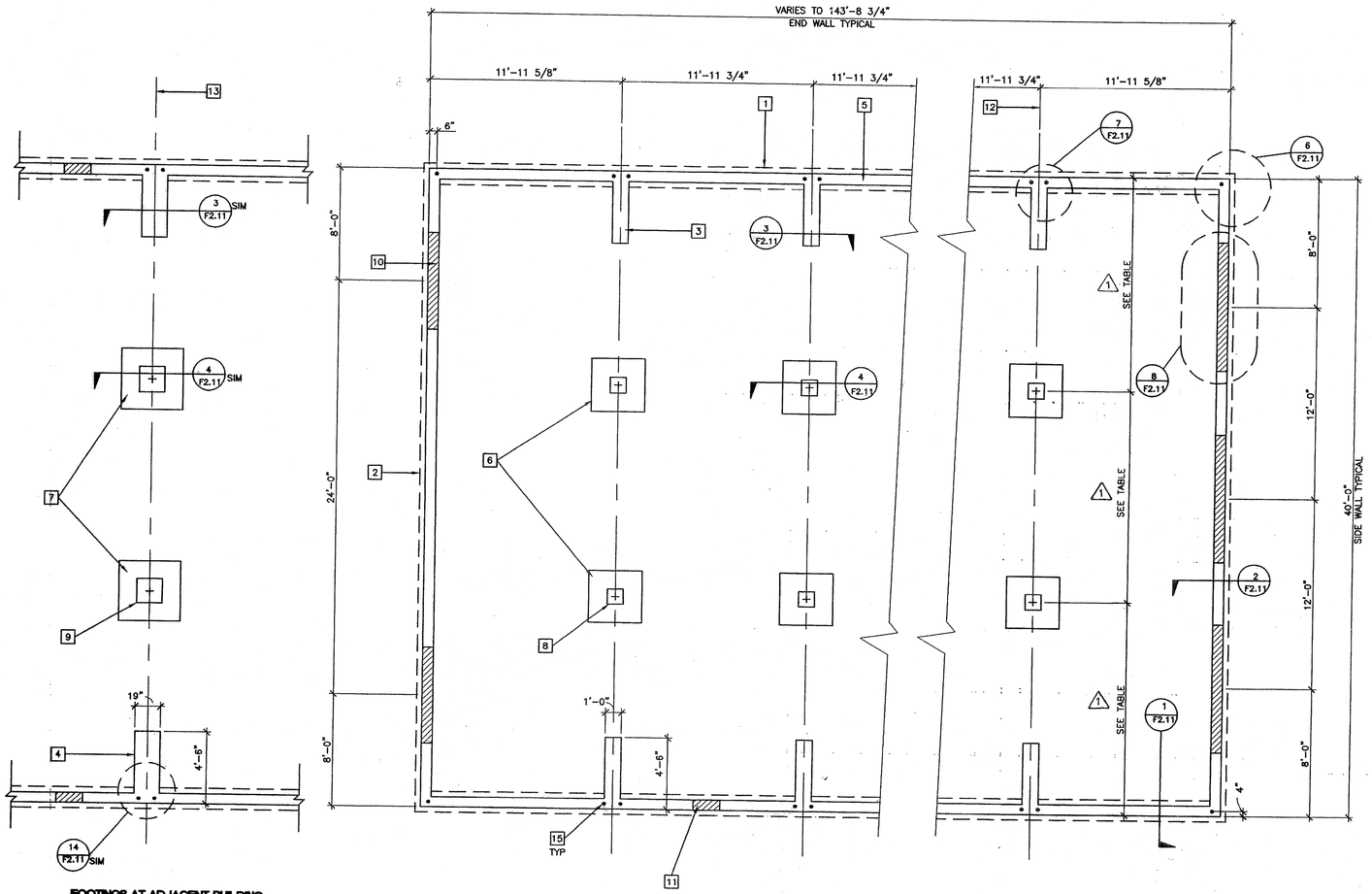
DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

FOUNDATION PLAN

F1.01

PROJECT NO. 4736
PC-04-104796
FILE PATH: --



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	50 PSF WOOD FLR	50 PSF CONC FLR	50+20 PSF WOOD FLR	50+20 PSF CONC FLR	100 PSF	125 PSF
SIDEWALL	12"	12"	12"	12"	SEE SHEET F3.02	SEE SHEET F3.02
ENDWALL	17"	19"	19"	21"		
PAD	3'-4" 3-#5 EW	3'-4" 2-#5 EW	4'-0" 3-#5 EW	3'-10" 2-#5 EW		
PAD AT 4" SEPARATION	3'-9" 3-#5 EW	3'-9" 2-#5 EW	4'-3" 3-#5 EW	4'-1" 2-#5 EW		
NO. OF PADS AND SPACING	2 13'-4"	3 10'-0"	2 13'-4"	3 10'-0"		

1

VENTING SCHEDULE (WOOD FLOORS ONLY)

BUILDING	(SF) AREA	(SF) VENTING REQUIRED	SIDE WALL VENTING	SIDE WALL VENT AREA	END WALL VENTING	END WALL VENT AREA	TOTAL VENT SUPPLIED
24'x40'	960	6.4	(5) A	7.8	–	–	7.8
36'x40'	1440	9.6	(4) B	9.6	–	–	9.6
48'x40'	1920	12.8	(6) B	14.4	–	–	14.4
60'x40'	2400	16	(4) C (2) B	12.92 4.8	–	–	17.7
72'x40'	2880	19.2	(6) C	19.38	–	–	19.4
84'x40'	3360	22.4	(6) C	19.38	(2) A (1) D	3.65	23.03
96'x40'	3840	25.6	(6) C	19.38	(4) A (1) D	6.6	25.9
108'x40'	4320	28.8	(6) C	19.38	(6) A (1) D	9.5	28.9
120'x40'	4800	32	(6) C	19.38	(9) A	31.1	32.52
132'x40'	5280	35.2	(6) C	19.38	(11) A	16.1	35.5
144'x40'	5760	38.4	(6) C	19.38	(13) A (1) D	24.49	39.09

LEGEND	VENT	SIZE	AREA (SF)	GRATE SIZE
	A	3'-9"x5"	1.56	4'x8"
	B	5'-9"x5"	2.40	6'x8"
	C	7'-9"x5"	3.23	8'x8"
	D	1'-9"x5"	0.73	2'x8"
ACCESS (OPTIONAL)	E	2'-9"x18"	4.13	3'x2'

NOTE: DELETE ALL UNDER FLOOR VENTS FOR CONCRETE FLOOR OPTION.

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. INTERIOR RETURN FOOTING – SEE FOOTING SCHEDULE
4. MODLINE RETURN AT 4" SEPARATION – OPTIONAL
5. STEM WALL – 8" TYPICAL UON
6. MODLINE PAD
7. MODLINE PAD AT 4" SEPARATION – OPTIONAL
8. 12" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
9. 19" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
10. TYPICAL VENT
11. ADDITIONAL END WALL VENTS AS REQUIRED (48" MAXIMUM LENGTH) OR INCREASE VENT HEIGHT AS REQUIRED AT SIDEWALLS
12. MODLINE
13. 4" BUILDING SEPARATION AT ADJACENT BUILDINGS – OPTIONAL
14. NOT USED
15. ANCHOR BOLT LOCATION – (1) AT EACH CORNER OF BUILDING AND (2) AT EACH MODLINE LOCATION

NOTES

1. SOIL TYPE AND FOUNDATION
   A. BEARING : SOIL BEARING VALUE OF 1000 PSF USED FOR DESIGN.
   B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MINIMUM INTO NATIVE SOIL OR APPROVED ENGINEERED FILL.
2. CONCRETE
   ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM STRENGTH AT 28 DAYS: FOOTINGS: fc' = 3000 PSI (DESIGN BASED ON f'c = 2000 PSI),
   CONCRETE SHALL CONFORM TO TITLE 24, SECTION 1905A.2.3 METHOD A OR B. ALL CEMENT SHALL BE TYPE 1 OR TYPE 11 PER ASTM C-150.
   METHOD "A" NON-DESIGNED MIX PER TABLE 19A-A-8.
   MINIMUM 7.1 SACKS PER YARD. WATER CONTENT SHALL NOT EXCEED 6 GALLONS PER SACK. AGGREGATE SHALL BE 3/4" TO 1"" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING.
   METHOD "B" PER SECTION 1905A.3.1,
   CONCRETE SUPPLIER SHALL PROVIDE CONCRETE MIX DESIGN AND A BREAK HISTORY OF 30 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN. ALTERNATE – PROVIDE 15 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN WITH A STANDARD DEVIATION CALCULATIONS.
   ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
3. REINFORCING STEEL GRADE 40.
   ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A-706, AND WELDED PER AWS D1.4-98
4. FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA. SIDE
5. THE ABOVE FOUNDATION PLAN HAS 1/4" ADDED AT EACH MOD LINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
6. MAX VENT LENGTH AT SIDE WALLS IS 8'-0"
   MAX VENT LENGTH AT END WALLS IS 4'-0"
   MIN DISTANCE FROM VENT TO EDGE OF MODULE IS 2'-0"
   MIN DISTANCE BETWEEN VENTS IS 2'-0"
7. DELETE ALL UNDER FLOOR VENTS WHEN SINGLE STORY BUILDING OR BOTTOM FLOOR OF TWO STORY BUILDING UTILIZES THE CONCRETE FLOOR OPTION.
8. FOR WELDED ANCHORAGE DELETE CANNOUTS. PROVIDE 1-ANCHOR PLATE AT EACH CORNER OF BUILDING AND 2-ANCHOR PLATES AT EACH MODLINE.

24X40 = 8	72X40 = 24
36X40 = 12	84X40 = 28
48X40 = 16	94X40 = 32
60X40 = 20	108X40 = 36

REV 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC – FLS – SS NR
DATE MAY 20 2004

DATE SIGNED
APR 28 2003

PC
CBC 2001

FOUNDATION PLAN
ABOVE GRADE CONCRETE
SCALE: 1/4" = 1'-0"

REVISIONS			
1	MCA	ADDED PAD SPACING TABLE	11/06/03
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER CHARLES T. SIMPSON No. SE 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS NR
DATE 6/17/03
Revised 11/11/03 Per SS

MODTECH™ INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

DRAWN BY:
DATE:
CHECKED BY:
DATE:

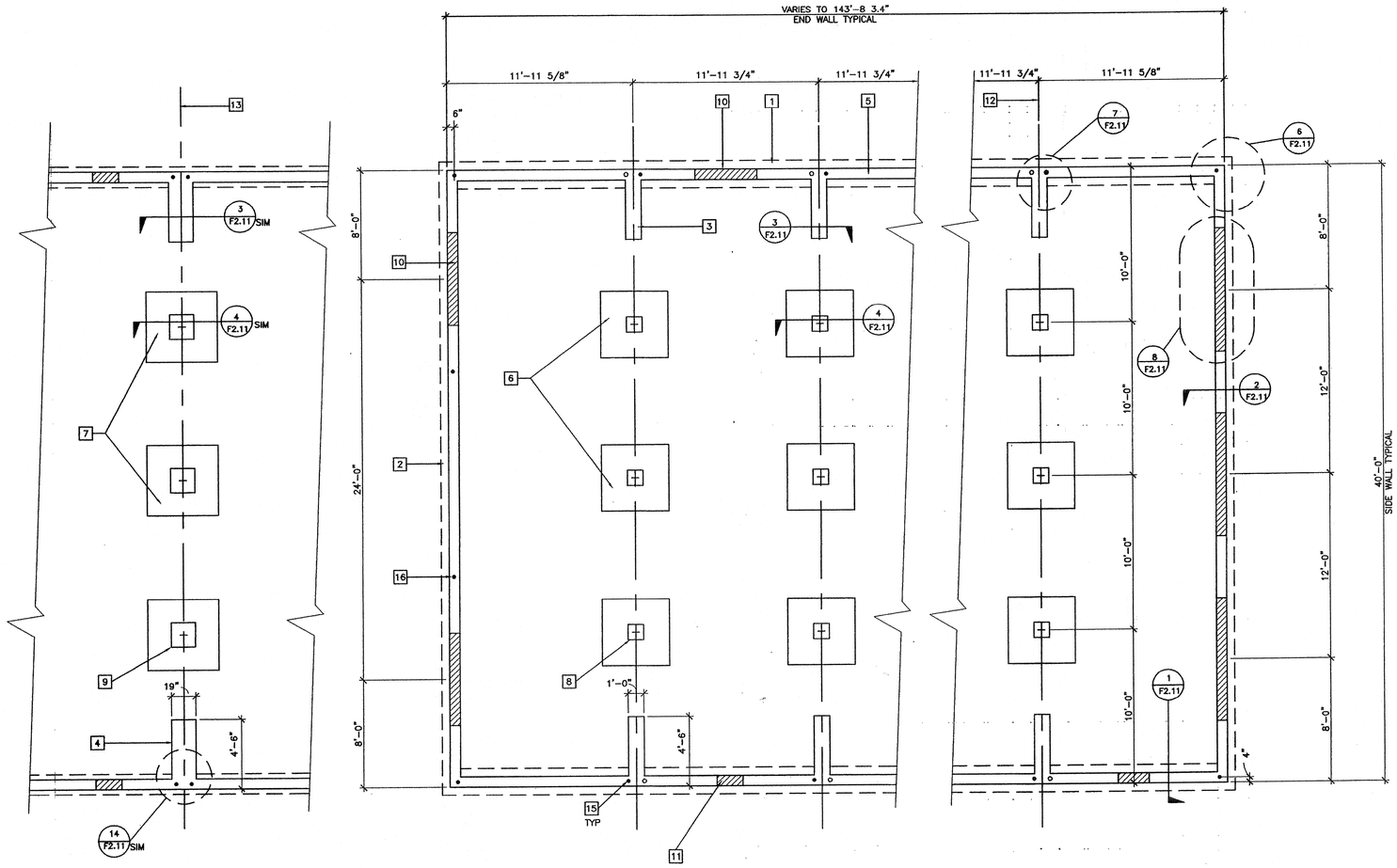
MODTECH Index No.

FOUNDATION PLAN AGC – 50, 50+20 PSF

F2.01

PROJECT NO. PC-04-104801

FILE PATH: 2440-F2.01.DWG



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	50 PSF	50+20 PSF	100 PSF	125 PSF
SIDEWALL	SEE SHEET F2.01	SEE SHEET F2.01	12"/16"*	14"/18"*
ENDWALL			20"/24"*	21"/27"*
PAD			4'-0"/4'-6"* 3-#5 EW	4'-4"/4'-9"* 3-#5 EW
PAD AT 4" SEPARATION			4'-3"/4'-7"* 3-#5 EW	4'-7"/4'-11"* 3-#5 EW

* = VALUE FOR CONCRETE FLOOR

VENTING SCHEDULE (WOOD FLOORS ONLY)

BUILDING	(SF) AREA	(SF) VENTING REQUIRED	SIDE WALL VENTING	SIDE WALL VENT AREA	END WALL VENTING	END WALL VENT AREA	TOTAL VENT SUPPLIED
24'x40'	960	6.4	(4) A	7.0	–	–	7.0
36'x40'	1440	9.6	(6) A	10.5	–	–	10.5
48'x40'	1920	12.8	(6) B	14	–	–	14
60'x40'	2400	16	(6) B	14	(2) C	2.33	16.33
72'x40'	2880	19.2	(6) B	14	(4) C (1) D	2.25	19.25
84'x40'	3360	22.4	(6) B	14	(7) C (1) D	8.75	22.75
96'x40'	3840	25.6	(6) B	14	(10) C	11.66	25.66
108'x40'	4320	28.8	(6) B	14	(13) C	15.16	29.16
120'x40'	4800	32	(6) B	14	(15) C (1) D	18.07	32.07
132'x40'	5280	35.2	(6) B	14	(18) C (1) D	21.57	33.57
144'x40'	5760	38.4	(6) B	14	(21) C	24.49	38.49

LEGEND

VENT A 6'x3.5" = 1.75 SF
VENT B 8'x3.5" = 2.33 SF
VENT C 4'x3.5" = 1.166 SF
VENT D 2'x3.5" = 0.583 SF

NOTE: DELETE ALL UNDER FLOOR VENTS THE CONCRETE FLOOR OPTION.

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE.
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. INTERIOR RETURN FOOTING – SEE FOOTING SCHEDULE
4. MODLINE RETURN AT 4" SEPARATION – OPTIONAL
5. STEM WALL – 8" TYPICAL UON
6. MODLINE PAD
7. MODLINE PAD AT 4" SEPARATION – OPTIONAL
8. 12" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
9. 19" DIA OR SQUARE PEDESTAL (TYPICAL AT 4" SEPARATION)
10. TYPICAL VENT
11. ADDITIONAL END WALL VENTS AS REQUIRED (24" MAXIMUM LENGTH) OR INCREASE VENT HEIGHT AS REQUIRED AT SIDEWALLS
12. MODLINE
13. 4" BUILDING SEPARATION – ADJACENT BUILDINGS – OPTIONAL
14. NOT USED
15. ANCHOR BOLT LOCATION – (1) AT EACH CORNER OF BUILDING. (2) AT EACH MODLINE LOCATION.
16. ANCHOR BOLT AT SIDEWALL – 13'-4" OC FOR BUILDING SIZE 60'x40' OR LARGER

NOTES

1. SOIL TYPE AND FOUNDATION
   A. BEARING: SOIL BEARING VALUE OF 1000 PSF USED FOR DESIGN.
   B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MINIMUM INTO NATIVE SOIL OR APPROVED ENGINEERED FILL.
2. CONCRETE
   ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM STRENGTH AT 28 DAYS: FOOTINGS: f'c = 3000 PSI (DESIGN BASED ON f'c = 2000 PSI),
   CONCRETE SHALL CONFORM TO TITLE 24 SECTION 1905A.2.3 METHOD A OR B. ALL CEMENT SHALL BE TYPE 1 OR TYPE 11 PER ASTM C-150.
   METHOD "A" NON-DESIGNED MIX PER TABLE 19A-A-8.
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   ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
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4. FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA. SIDE
5. THE ABOVE FOUNDATION PLAN HAS 1/4" ADDED AT EACH MOD LINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
6. MAX VENT LENGTH AT SIDE WALLS IS 8'-0"
   MAX VENT LENGTH AT END WALLS IS 4'-0"
   MIN DISTANCE FROM VENT TO EDGE OF MODULE IS 2'-0"
   MIN DISTANCE BETWEEN VENTS IS 2'-0"

FOUNDATION PLAN

ABOVE GRADE CONCRETE
SCALE: 1/4" = 1'-0"

DATE SIGNED APR 18 2003

PC
CBC 2001

REV 1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC – FLS – SS 1/3
DATE MAY 20 2004

FILE PATH: 2440-F2.02.DWG

REVISIONS			Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1					REGISTERED PROFESSIONAL ENGINEER R. LOW No. 3602 STRUCTURAL STATE OF CALIFORNIA LICENSE EXPIRES 3-31-2004		PC-04 104801 AC FLS SS NL DATE 5/1/03
2							
3							
4							
5							

MODTECH INC.
2830 BARRETT AVENUE PERRIS, CALIF. 92571
PH (909) 943-4014 FAX (909) 940-0427

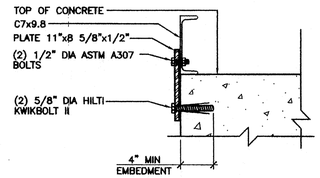
PROJECT NUMBER:

DRAWN BY:
DATE:
CHECKED BY:
DATE:

FOUNDATION PLAN AGC – 100, 125 PSF

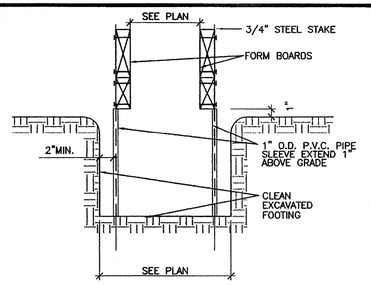
MODTECH Index No. F2.02

PROJECT NO. PC-04-104801



SCALE: 1 1/2"=1'-0" (OPTIONAL)

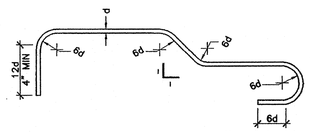
ALTERNATE FOUNDATION ANCHORAGE | 16



NOTE: USE STAKE PULLER TO REMOVE STEEL STAKES. DO NOT BANG TO LOOSEN.

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

FOOTING FORMS | 12

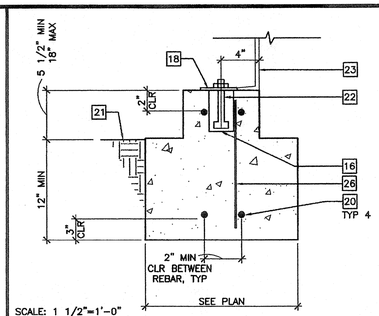


(FOR #7 BARS OR SMALLER)

SCALE: NTS

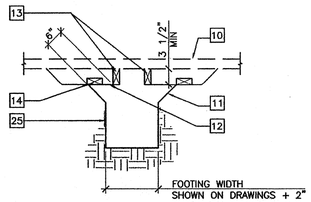
TYPICAL REINFORCING BENDING DETAIL | 9

| 5



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

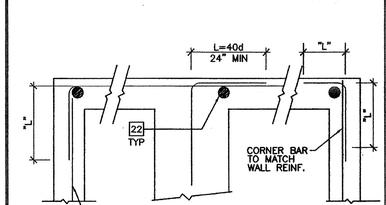
TYPICAL END WALL FOOTING | 1



NOTES:
1. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
2. FOOTING WIDTHS SHALL NOT BE MORE THAN 4" WIDER THAN SHOWN ON PLAN.
3. FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.

SCALE: NTS

FOOTING FORMS (ALTERNATE) | 13



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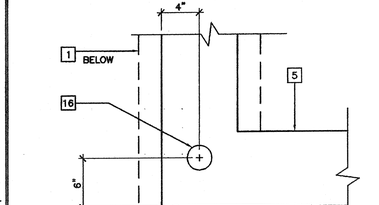
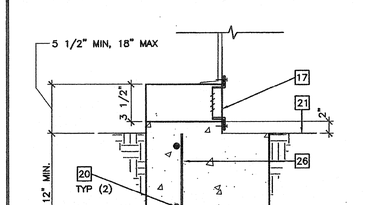
TYPICAL REINFORCING AT CORNER AND INTERSECTIONS | 10



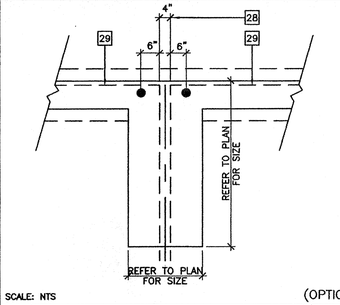
SCALE: 1 1/2"=1'-0"

ANCHOR BOLT AT CORNER | 6



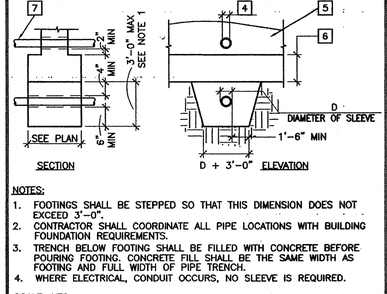
SCALE: 1 1/2"=1'-0"

TYPICAL SIDE WALL FOOTING | 2



SCALE: NTS (OPTIONAL)

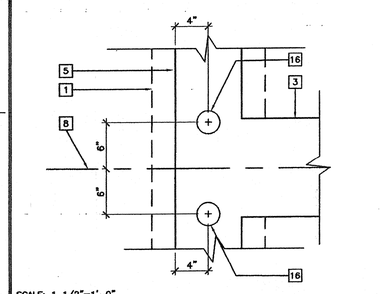
ANCHOR BOLT AT ADJACENT BUILDING | 14



NOTES:
1. FOOTINGS SHALL BE STEPPED SO THAT THIS DIMENSION DOES NOT EXCEED 3'-0".
2. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
3. TRENCH BELOW FOOTING SHALL BE FILLED WITH CONCRETE BEFORE POURING FOOTING. CONCRETE FILL SHALL BE THE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.
4. WHERE ELECTRICAL, CONDUIT OCCURS, NO SLEEVE IS REQUIRED.

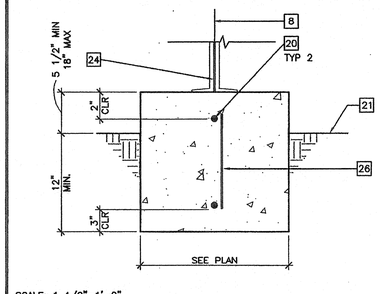
SCALE: NTS

PIPE SLEEVE THROUGH FOOTINGS TYPICAL | 11



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

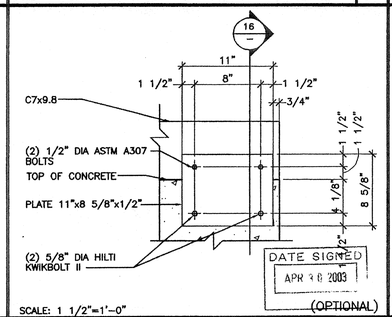
ANCHOR BOLT AT MODLINE | 7



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

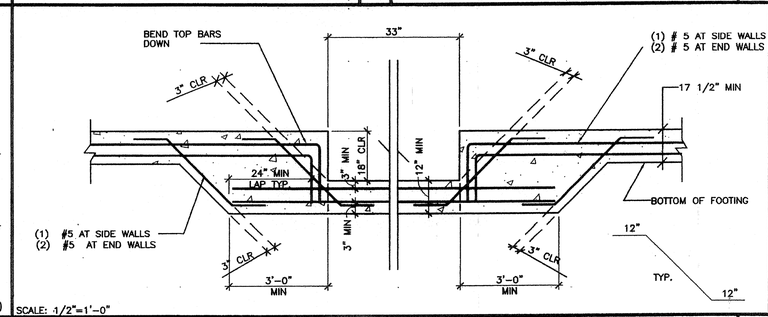
INTERIOR RETURN FOOTING | 3

PC
CBC 2001



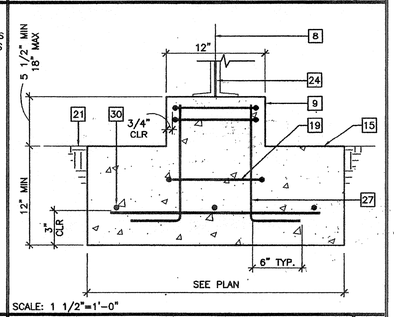
SCALE: 1 1/2"=1'-0" (OPTIONAL)

ALTERNATE FOUNDATION ANCHORAGE | 15



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

ACCESS VENT ELEVATION | 8



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

INTERIOR PAD FOOTING | 4

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. MODLINE RETURN
4. SLEEVE DIAMETER 2" LARGER THAN PIPE DIAMETER
5. STEM WALL
6. FOOTING: FOR PIPES IN THIS AREA LOWER FOOTING SO PIPES PASS THROUGH STEM WALL
7. PIPE THROUGH STEM WALL
8. MODLINE
9. CONCRETE PEDESTAL – 12" MINIMUM AT INTERIOR PAD, 19" MINIMUM AT 4" SEPARATION (OPTIONAL)
10. STARTER WALL AFTER SET. CLEAN TO REMOVE LAITANCE AND SCUM
11. CUT BACK SPALL
12. CONTINUOUS CLEAN-OUT. STAKES NOT PERMITTED WITHIN FOOTING AREA
13. MINIMUM FORMWORK (UNLESS FULLY FORMED)
14. 2x PLANKING
15. CONCRETE INTERIOR PAD FOOTING – SEE FOUNDATION PLAN FOR SIZES
16. 3" DIAx6" DEEP CANOUT IN FOUNDATION (BY CONCRETE SUB-CONTRACTOR). AT TIME OF BUILDING INSTALLATION BACK FILL EACH CANNOUT WITH ANCHOR BOLT IN PLACE. USE HIGH STRENGTH EMBECO 636 NON-SHRINK, METALLIC AGGREGATE GROUT.
17. OPTION 1: 12 GA GALVANIZED EXPANDED DIAMOND MESH. IMBED 1 1/2" INTO WET CONCRETE AT 2 SIDES AND BOTTOM
    OPTION 2: 3/16"x1 1/2"x1 1/2" GALVANIZED ANGLE FRAME WITH 12 GA GALVANIZED EXPANDED DIAMOND MESH WELDED TO END OF INTERIOR ANGLE LEG. ANCHOR WITH 3 FASTENERS AT BOTTOM INTO CONCRETE AND 3 FASTENERS AT TOP INTO FLOOR CHANNEL.
18. ANCHOR PLATE
19. #5 STEEL ⊓ . 2 AT TOP AND 8" OC
20. #5 STEEL REINFORCING BARS CONTINUOUS
21. FINISH GRADE LINE
22. 3/4" ANCHOR BOLT A307 WITH 8" EMBEDMENT OR 3/4" DIA THREADED ROD A36 WITH 8" EMBEDMENT
23. FLOOR HEADER
24. FLOOR BEAM
25. NEAT CUT TRENCH
26. #3 VERTICAL AT 24" OC FOR BUILDINGS 60'x40' AND GREATER ONLY
27. (4) #5xL VERTS
28. 4" BUILDING SEPARATION – ADJACENT BUILDINGS – OPTIONAL
29. BUILDING LINE
30. (3) #5'S EACH WAY AT BOTTOM

Rev 1

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FILE PATH: 2440-F2.11.DWG

REVISIONS			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

REGISTERED PROFESSIONAL ENGINEER JAMES T. STAYSON No. 5862 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2004

Architects Seal

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DATE 5/7/03

MODTECH™ INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

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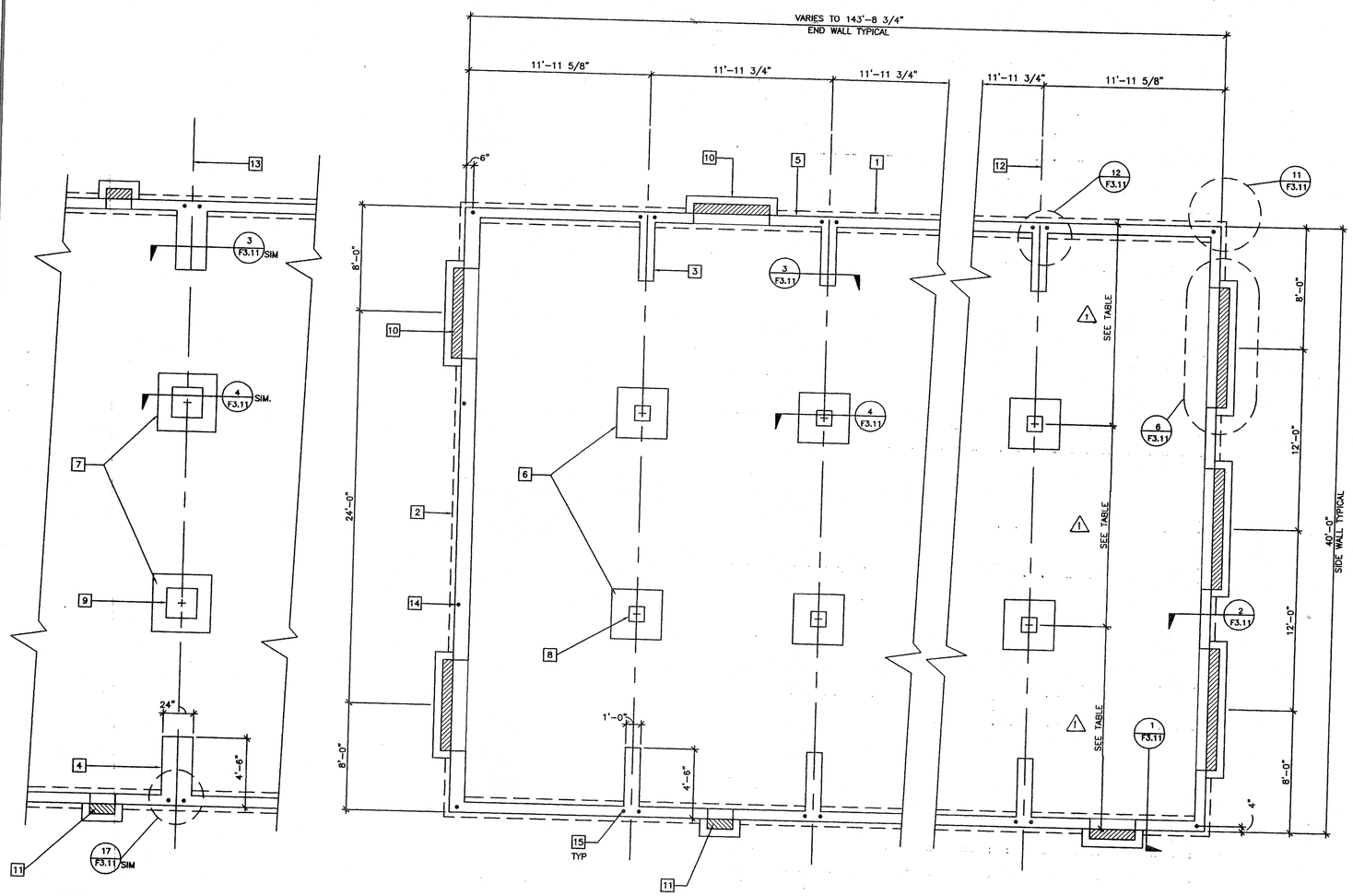
MODTECH Index No.

FOUNDATION DETAILS ABOVE GRADE CONCRETE

F2.11

PROJECT NO. PC-04-104801



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	50 PSF WOOD FLR	50 PSF CONC FLR	50+20 PSF WOOD FLR	50+20 PSF CONC FLR	100 PSF	125 PSF
SIDEWALL	12"	12"	12"	12"	SEE SHEET F3.02	SEE SHEET F3.02
ENDWALL	17"	17"	19"	19"		
PAD	3'-4" 3-#5 EW	3'-5" 2-#5 EW	4'-0" 3-#5 EW	3'-10" 2-#5 EW		
PAD AT 4" SEPARATION	3'-9" 3-#5 EW	3'-8" 2-#5 EW	4'-3" 3-#5 EW	4'-1" 2-#5 EW		
NO. OF PADS AND SPACING	2 13'-4"	3 10'-0"	2 13'-4"	3 10'-0"		

VENTING SCHEDULE (WOOD FLOORS ONLY)

BUILDING	(SF) AREA	(SF) VENTING REQUIRED	SIDE WALL VENTING	SIDE WALL VENT AREA	END WALL VENTING	END WALL VENT AREA	TOTAL VENT SUPPLIED
24'x40'	960	6.4	(5) A	7.8	–	–	7.8
36'x40'	1440	9.6	(4) B	9.6	–	–	9.6
48'x40'	1920	12.8	(6) B	14.4	–	–	14.4
60'x40'	2400	16	(4) C (2) B	12.92 4.8	–	–	17.7
72'x40'	2880	19.2	(6) C	19.38	–	–	19.4
84'x40'	3360	22.4	(6) C	19.38	(2) A (1) D	3.65	23.03
96'x40'	3840	25.6	(6) C	19.38	(4) A (1) D	6.6	25.9
108'x40'	4320	28.8	(6) C	19.38	(6) A (1) D	9.5	28.9
120'x40'	4800	32	(6) C	19.38	(9) A	31.1	32.52
132'x40'	5280	35.2	(6) C	19.38	(11) A	16.1	35.5
144'x40'	5760	38.4	(6) C	19.38	(13) A (1) D	24.49	39.09

LEGEND	VENT	SIZE	AREA (SF)	GRATE SIZE
	A	3'-9"x5"	1.56	4'x8"
	B	5'-9"x5"	2.40	6'x8"
	C	7'-9"x5"	3.23	8'x8"
	D	1'-9"x5"	0.73	2'x8"
ACCESS (OPTIONAL)	E	2'-9"x18"	4.13	3'x2'

NOTE: DELETE ALL UNDER FLOOR VENTS FOR CONCRETE FLOOR OPTION.

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. INTERIOR RETURN FOOTING – SEE FOOTING SCHEDULE
4. MODLINE RETURN AT 4" SEPARATION – OPTIONAL
5. STEM WALL – 8" TYPICAL UON
6. MODLINE PAD
7. MODLINE PAD AT 4" SEPARATION – OPTIONAL
8. 12" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
9. 19" DIA OR SQUARE PEDESTAL (TYPICAL AT 4" SEPARATION)
10. TYPICAL VENT
11. ADDITIONAL END WALL VENTS AS REQUIRED (20" MAXIMUM LENGTH) OR INCREASE VENT HEIGHT AS REQUIRED AT SIDEWALLS
12. MODLINE
13. 4" BUILDING SEPARATION AT ADJACENT BUILDING – OPTIONAL
14. ANCHOR BOLT AT SIDEWALL – 13'-4" OC FOR BUILDING SIZE 60'x40' OR LARGER
15. ANCHOR BOLT LOCATION – (1) AT EACH CORNER OF BUILDING AND (2) AT EACH MODLINE LOCATION

NOTES

1. SOIL TYPE AND FOUNDATION
   A. BEARING: SOIL BEARING VALUE OF 1000 PSF USED FOR DESIGN.
   B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MINIMUM INTO NATIVE SOIL OR APPROVED ENGINEERED FILL.
2. CONCRETE
   ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM STRENGTH AT 28 DAYS: FOOTINGS: fc' = 3000 PSI (DESIGN BASED ON f'c = 2000 PSI).
   CONCRETE SHALL CONFORM TO TITLE 24 SECTION 1905A.2.3 METHOD A OR B. ALL CEMENT SHALL BE TYPE 1 OR TYPE 11 PER ASTM C-150.
   METHOD "A" NON-DESIGNED MIX PER TABLE 19A-A-8.
   MINIMUM 7.1 SACKS PER YARD. WATER CONTENT SHALL NOT EXCEED 6 GALLONS PER SACK. AGGREGATE SHALL BE 3/4" TO 1"" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING.
   METHOD "B" PER SECTION 1905A.3.1,
   CONCRETE SUPPLIER SHALL PROVIDE CONCRETE MIX DESIGN AND A BREAK HISTORY OF 30 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN. ALTERNATE – PROVIDE 15 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN WITH A STANDARD DEVIATION CALCULATIONS.
   ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
3. REINFORCING STEEL GRADE 40.
   ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615
   WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A-706, AND WELDED PER AWS D1.4-98
4. FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA. SIDE
5. THE ABOVE FOUNDATION PLAN HAS 1/4" ADDED AT EACH MOD LINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
6. MAX VENT LENGTH AT SIDE WALLS IS 8'-0"
   MAX VENT LENGTH AT END WALLS IS 4'-0"
   MIN DISTANCE FROM VENT TO EDGE OF MODULE IS 2'-0"
   MIN DISTANCE BETWEEN VENTS IS 2'-0"
7. FOR WELDED ANCHORAGE DELETE CANNOUTS. PROVIDE 1-ANCHOR PLATE AT EACH CORNER OF BUILDING AND 2-ANCHOR PLATES AT EACH MODLINE.

24X40 = 8	72X40 = 24
36X40 = 12	84X40 = 28
48X40 = 16	94X40 = 32
60X40 = 20	108X40 = 36

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CBC 2001

FOUNDATION PLAN

BELOW GRADE CONCRETE
SCALE: 1/4" = 1'-0"

FILE PATH: 2440-F3.01.DWG

REVISIONS			
1	MCA	ADDED PAD SPACING TABLE	11/06/03
2			
3			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 38602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

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MODTECH™ INC.
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PERRIS, CALIF. 92571
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FAX (909) 940-0427

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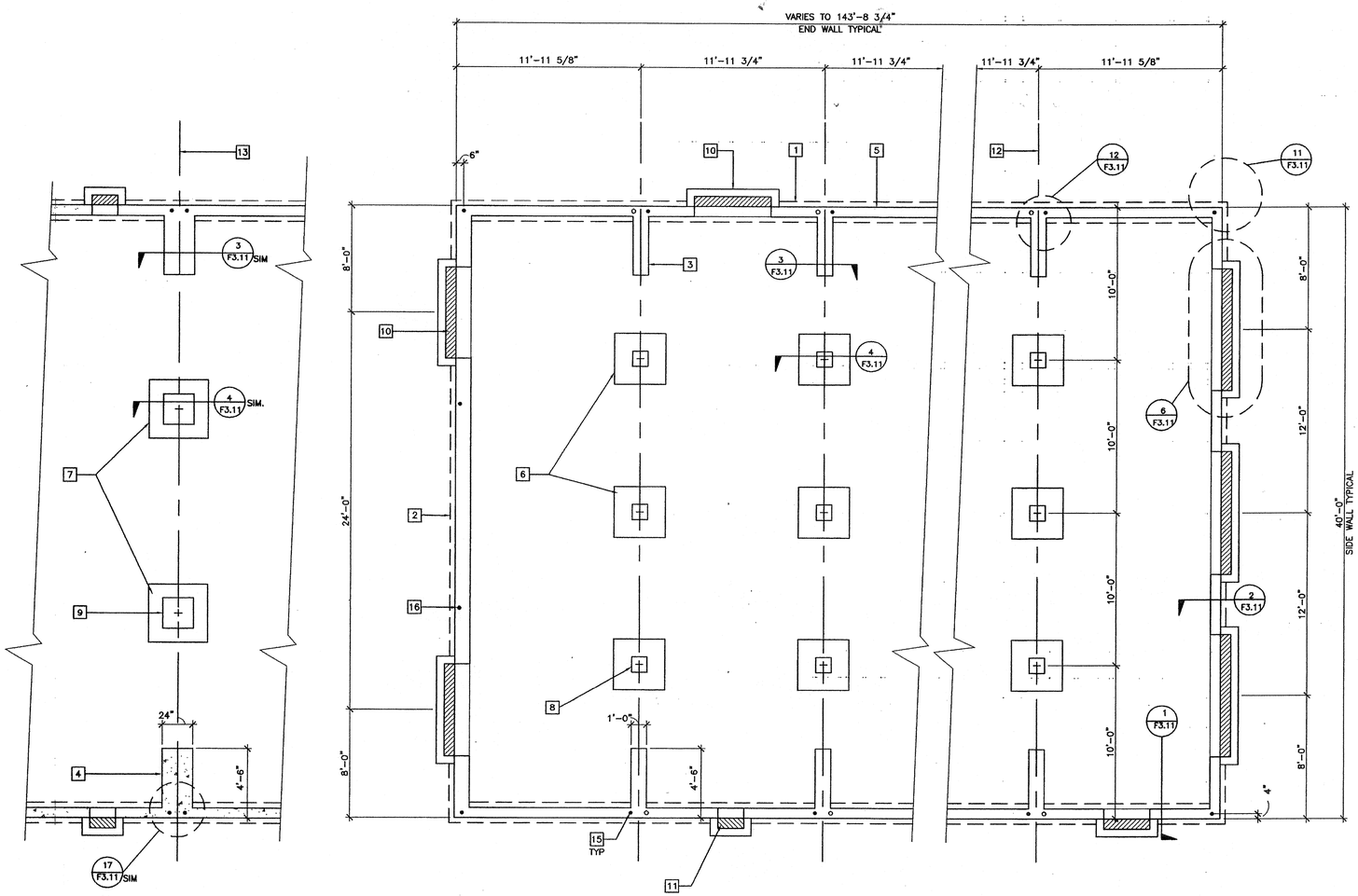
FOUNDATION PLAN BGC – 50, 50+20 PSF

PROJECT NO. PC-04-104801

F3.01



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	50 PSF	50+20 PSF	100 PSF	125 PSF
SIDEWALL	SEE SHEET F3.01	SEE SHEET F3.01	12"/14"*	14"/15"*
ENDWALL			20"/21"*	21"/23"*
PAD			4'-0"/6'-3"* 3-#5 EW	4'-4"/6'-8"* 3-#5 EW
PAD AT 4" SEPARATION			4'-3"/6'-7"* 3-#5 EW	4'-7"/6'-11"* 3-#5 EW

* = VALUE FOR CONCRETE FLOOR

VENTING SCHEDULE (WOOD FLOORS ONLY)

BUILDING	(SF) AREA	(SF) VENTING REQUIRED	SIDE WALL VENTING	SIDE WALL VENT AREA	END WALL VENTING	END WALL VENT AREA	TOTAL VENT SUPPLIED
24'x40'	960	6.4	(5) A	7.8	–	–	7.8
36'x40'	1440	9.6	(4) B	9.6	–	–	9.6
48'x40'	1920	12.8	(6) B	14.4	–	–	14.4
60'x40'	2400	16	(4) C (2) B	12.92 4.8	–	–	17.7
72'x40'	2880	19.2	(6) C	19.38	–	–	19.4
84'x40'	3360	22.4	(6) C	19.38	(2) A (1) D	3.65	23.03
96'x40'	3840	25.6	(6) C	19.38	(4) A (1) D	6.6	25.9
108'x40'	4320	28.8	(6) C	19.38	(6) A (1) D	9.5	28.9
120'x40'	4800	32	(6) C	19.38	(9) A	31.1	32.52
132'x40'	5280	35.2	(6) C	19.38	(11) A	16.1	35.5
144'x40'	5760	38.4	(6) C	19.38	(13) A (1) D	24.49	39.09

LEGEND	VENT	SIZE	AREA (SF)	GRATE SIZE
	A	3'-9"x5"	1.56	4'x8"
	B	5'-9"x5"	2.40	6'x8"
	C	7'-9"x5"	3.23	8'x8"
	D	1'-9"x5"	0.73	2'x8"
ACCESS (OPTIONAL)	E	2'-9"x18"	4.13	3'x2'

NOTE: DELETE ALL UNDER FLOOR VENTS THE CONCRETE FLOOR OPTION.

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KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. INTERIOR RETURN FOOTING – SEE FOOTING SCHEDULE
4. MODLINE RETURN AT 4" SEPARATION – OPTIONAL
5. STEM WALL – 8" TYPICAL UON
6. MODLINE PAD
7. MODLINE PAD AT 4" SEPARATION – OPTIONAL
8. 12" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
9. 24" DIA OR SQUARE PEDESTAL (TYPICAL AT 4" SEPARATION)
10. TYPICAL VENT
11. ADDITIONAL END WALL VENTS AS REQUIRED (20" MAXIMUM LENGTH) OR INCREASE VENT HEIGHT AS REQUIRED AT SIDEWALLS
12. MODLINE
13. 4" BUILDING SEPARATION AT ADJACENT BUILDING – OPTIONAL
14. NOT USED
15. ANCHOR BOLT LOCATION – (1) AT EACH CORNER OF BUILDING. (2) AT EACH MODLINE LOCATION.
16. ANCHOR BOLT AT SIDEWALL – 13'-4" OC FOR BUILDING SIZE 60'x40' OR LARGER

NOTES

1. SOIL TYPE AND FOUNDATION
   A. BEARING: SOIL BEARING VALUE OF 1000 PSF USED FOR DESIGN.
   B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MINIMUM INTO NATIVE SOIL OR APPROVED ENGINEERED FILL.
2. CONCRETE
   ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM STRENGTH AT 28 DAYS: FOOTINGS: fc' = 3000 PSI (DESIGN BASED ON f'c = 2000 PSI),
   CONCRETE SHALL CONFORM TO TITLE 24 SECTION 1905A.2.3 METHOD A OR B. ALL CEMENT SHALL BE TYPE 1 OR TYPE 11 PER ASTM C-150.
   METHOD "A" NON-DESIGNED MIX PER TABLE 19A-A-B.
   MINIMUM 7.1 SACKS PER YARD. WATER CONTENT SHALL NOT EXCEED 6 GALLONS PER SACK. AGGREGATE SHALL BE 3/4" TO 1"" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING.
   METHOD "B" PER SECTION 1905A.3.1,
   CONCRETE SUPPLIER SHALL PROVIDE CONCRETE MIX DESIGN AND A BREAK HISTORY OF 30 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN. ALTERNATE – PROVIDE 15 CONSECUTIVE BREAKS IDENTIFIED TO THAT MIX DESIGN WITH A STANDARD DEVIATION CALCULATIONS.
   ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
3. REINFORCING STEEL GRADE 40,
   ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A-706, AND WELDED PER AWS D1.4-98
4. FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA. SIDE
5. THE ABOVE FOUNDATION PLAN HAS 1/4" ADDED AT EACH MOD LINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
6. MAX VENT LENGTH AT SIDE WALLS IS 8'-0"
   MAX VENT LENGTH AT END WALLS IS 4'-0"
   MIN DISTANCE FROM VENT TO EDGE OF MODULE IS 2'-0"
   MIN DISTANCE BETWEEN VENTS IS 2'-0"

DATE SIGNED
APR 20 2003

PC
CBC 2001

FOUNDATION PLAN

BELOW GRADE CONCRETE
SCALE: 1/4" = 1'-0"

FILE PATH: 2440-F3.02.DWG

REVISIONS			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER
DANIEL T. SIMPSON
No. C042652
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal

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FOUNDATION PLAN BGC – 100, 125 PSF

F3.02

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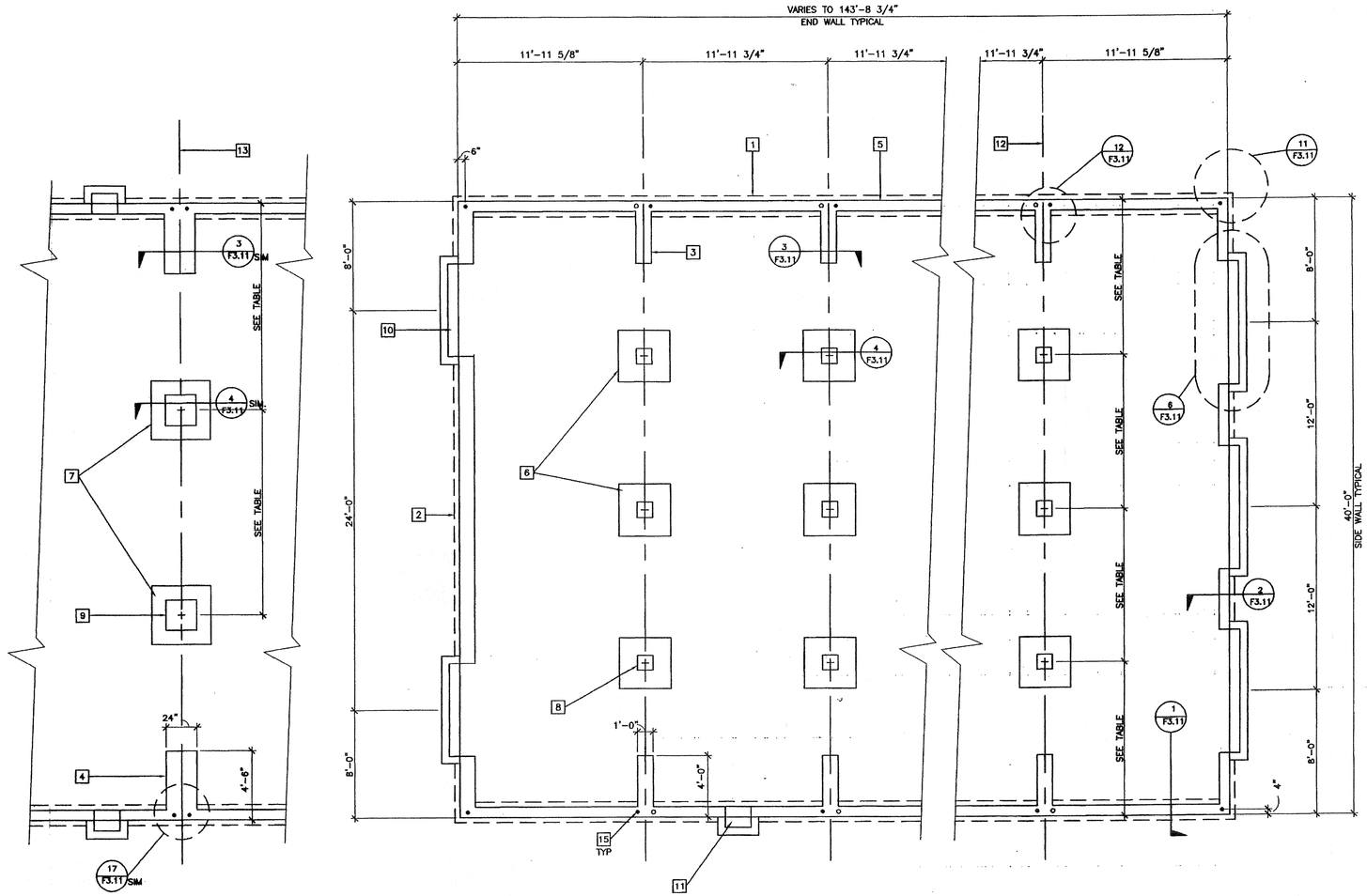

FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	50 PSF		50+20 PSF		100 PSF		125 PSF	
	STD. FLR	CONC FLR	STD. FLR	CONC FLR	STD. FLR	CONC FLR	STD. FLR	CONC FLR
SIDEWALL	12"	12"	12"	12"	14"	16"	16"	18"
ENDWALL	19" 2–#5	19" 2–#5	21" 2–#5	21" 2–#5	21" 2–#5	23" 2–#5	23" 2–#5	25" 2–#5
PAD	3'–4" 3–#5EW	3'–5" 2–#5EW	4'–0" 3–#5EW	3'–10" 2–#5EW	4'–0" 3–#5EW	4'–4" 3–#5EW	4'–4" 3–#5EW	4'–9" 4–#5EW
PAD AT 4" SEPARATION	4'–7" 3–#5EW	4'–8" 3–#5EW	4'–11" 3–#5EW	4'–11" 3–#5EW	4'–9" 3–#5EW	5'–1" 3–#5EW	5'–2" 3–#5EW	5'–5" 3–#5EW
NO. OF PADS AND SPACING	2 13'4"	3 10'–0"	2 13'4"	3 10'–0"	3 10'–0"	3 10'–0"	3 10'–0"	3 10'–0"

* = VALUE FOR CONCRETE FLOOR

VENTING SCHEDULE

BUILDING	(SF) AREA	(SF) VENTING REQUIRED	SIDE WALL VENTING	SIDE WALL VENT AREA	END WALL VENTING	END WALL VENT AREA	TOTAL VENT SUPPLIED
24'x40'	960	6.4	(5) A	7.8	–	–	7.8
36'x40'	1440	9.6	(4) B	9.6	–	–	9.6
48'x40'	1920	12.8	(6) B	14.4	–	–	14.4
60'x40'	2400	16	(4) C (2) B	12.92 4.8	–	–	17.7
72'x40'	2880	19.2	(6) C	19.38	–	–	19.4
84'x40'	3360	22.4	(6) C	19.38	(2) A (1) D	3.65	23.03
96'x40'	3840	25.6	(6) C	19.38	(4) A (1) D	6.6	25.9
108'x40'	4320	28.8	(6) C	19.38	(6) A (1) D	9.5	28.9
120'x40'	4800	32	(6) C	19.38	(9) A	31.1	32.52
132'x40'	5280	35.2	(6) C	19.38	(11) A	16.1	35.5
144'x40'	5760	38.4	(6) C	19.38	(13) A (1) D	24.49	39.09

LEGEND	VENT	SIZE	AREA (SF)	GRATE SIZE
	A	3'–9"x5"	1.56	4'x8"
	B	5'–9"x5"	2.40	6'x8"
	C	7'–9"x5"	3.23	8'x8"
	D	1'–9"x5"	0.73	2'x8"
ACCESS (OPTIONAL)	E	2'–9"x18"	4.13	3'x2'

NOTE: DELETE ALL UNDER FLOOR VENTS WHEN SINGLE STORY BUILDING OR BOTTOM FLOOR OF TWO STORY BUILDING UTILIZES THE CONCRETE FLOOR OPITON.

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. INTERIOR RETURN FOOTING – SEE FOOTING SCHEDULE
4. MODLINE RETURN AT 4" SEPARATION – OPTIONAL
5. STEM WALL – 8" TYPICAL UON
6. MODLINE PAD
7. MODLINE PAD AT 4" SEPARATION – OPTIONAL
8. 12" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
9. 24" DIA OR SQUARE PEDESTAL (TYPICAL AT MODLINE)
10. TYPICAL VENT
11. ADDITIONAL END WALL VENTS AS REQUIRED (48" MAXIMUM LENGTH) OR INCREASE VENT HEIGHT AS REQUIRED AT SIDEWALLS
12. MODLINE
13. 4" BUILDING SEPARATION AT ADJACENT BUILDING – OPTIONAL
14. NOT USED
15. ANCHOR BOLT LOCATION – (1) AT EACH CORNER OF BUILDING. (2) AT EACH MODLINE LOCATION.
16. NOT USED

NOTES

1. SOIL TYPE AND FOUNDATION
   A. BEARING: SOIL BEARING VALUE OF 1000 PSF USED FOR DESIGN.
   B. FOOTINGS: ALL FOOTINGS SHALL EXTEND 12 INCHES MINIMUM INTO NATIVE SOIL OR APPROVED ENGINEERED FILL.
3. REINFORCING STEEL GRADE 40.
   ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A–615 WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A–706, AND WELDED PER AWS D1.4–98
4. FOR FOOTINGS USING TRENCH FOR FORMING WIDTH SHALL BE INCREASED 2" EA. SIDE
5. THE ABOVE FOUNDATION PLAN HAS 1/4" ADDED AT EACH MOD LINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN. THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
6. MAX VENT LENGTH AT SIDE WALLS IS 8'–0"
   MAX VENT LENGTH AT END WALLS IS 4'–0"
   MIN DISTANCE FROM VENT TO EDGE OF MODULE IS 2'–0"
   MIN DISTANCE BETWEEN VENTS IS 2'–0"

REV 1
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DATE SIGNED
APR 30 2003

PC
CBC 2001

FOUNDATION PLAN

BELOW GRADE CONCRETE
SCALE: 1/4" = 1'–0"

FILE PATH: 2440–F3.03.DWG

REVISIONS			Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1					REGISTERED PROFESSIONAL ENGINEER JAMES T. SAKAI 21602 STRUCTURAL STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2004	
2						
3						
4						
5						

IDENTIFICATION STAMP
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PC–04
104801
AC FLS SS
DATE 5/1/03

MODTECH™ INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943–4014
FAX (909) 940–0427

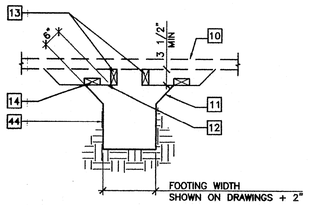
PROJECT NUMBER:

FOR 10'–6" COLUMNS AND 4'–0" PARAPETS

FOUNDATION PLAN BGC – 100, 125 PSF

DRAWN BY:
DATE:
CHECKED BY:
DATE:
MODTECH Index No.
F3.03

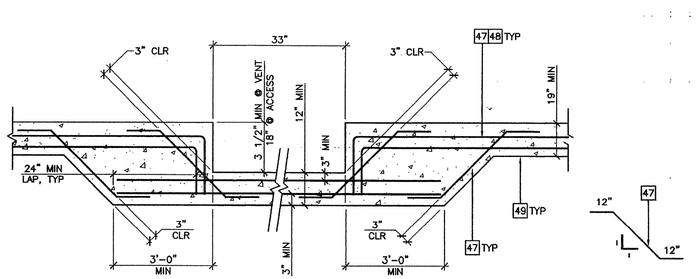
PROJECT NO. PC–04–104801



NOTES:
1. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
2. FOOTING WIDTHS SHALL NOT BE MORE THAN 4" WIDER THAN SHOWN ON PLAN.
3. FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.

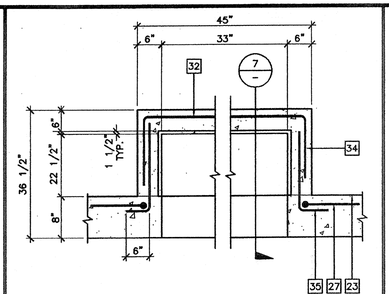
SCALE: NTS

FOOTING FORMS - PERMANENT | 16



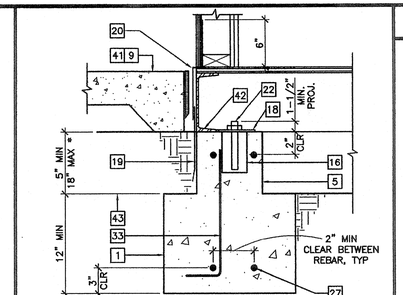
SCALE: 1/2"=1'-0"

ACCESS VENT ELEVATION | 9



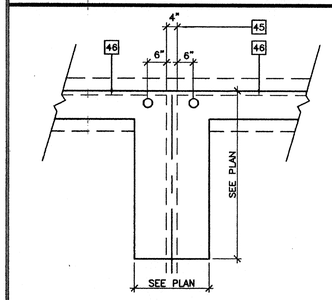
SCALE: NTS

ACCESS VENT | 5



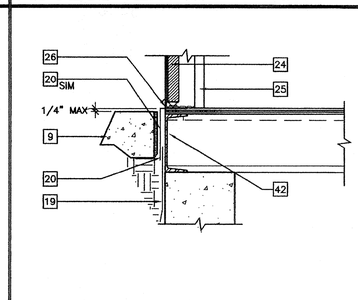
SCALE: 1 1/2"=1'-0"

TYPICAL ENDWALL FOOTING | 1



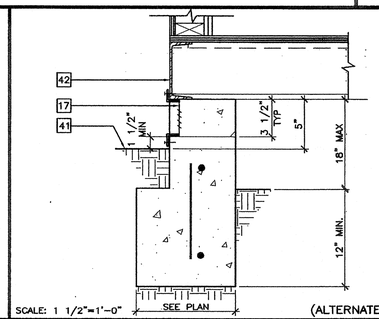
SCALE: NTS (OPTIONAL)

ANCHOR BOLT AT ADJACENT BLDG. | 17



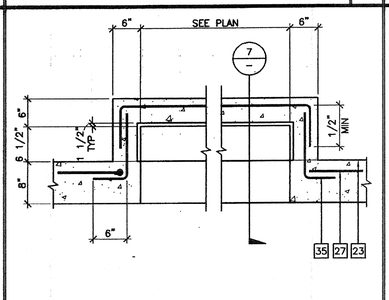
SCALE: 1 1/2"=1'-0"

THRESHOLD | 13



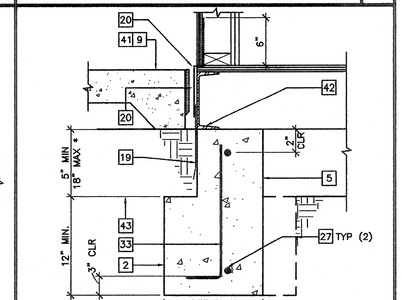
SCALE: 1 1/2"=1'-0" (ALTERNATE)

VENT AT ABOVE GRADE | 10



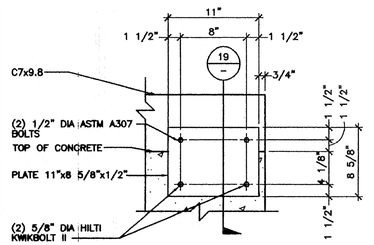
SCALE: 1 1/2"=1'-0"

TYPICAL VENT | 6



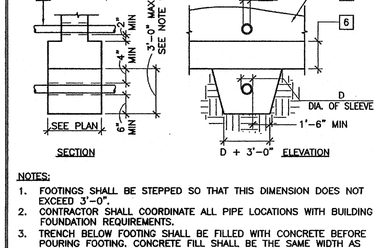
SCALE: 1 1/2"=1'-0"

TYPICAL SIDEWALL FOOTING | 2



SCALE: 1 1/2"=1'-0" (OPTIONAL)

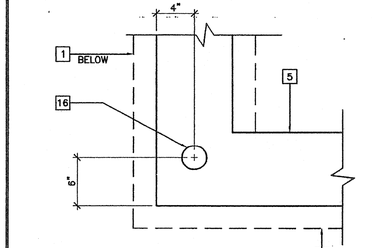
ALTERNATE FOUNDATION ANCHORAGE | 18



NOTES:
1. FOOTINGS SHALL BE STEPPED SO THAT THIS DIMENSION DOES NOT EXCEED 3'-0".
2. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
3. TRENCH BELOW FOOTING SHALL BE FILLED WITH CONCRETE BEFORE POURING FOOTING. CONCRETE FILL SHALL BE THE SAME WIDTH AS FOOTING AND FULL WIDTH OF PIPE TRENCH.
4. WHERE ELECTRICAL, CONDUIT OCCURS, NO SLEEVE IS REQUIRED.

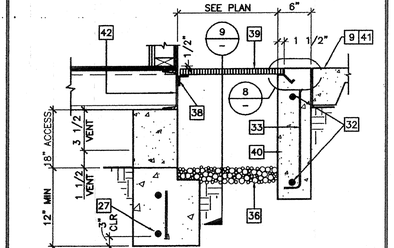
SCALE: NTS

PIPES PERPENDICULAR TO FOOTINGS | 14



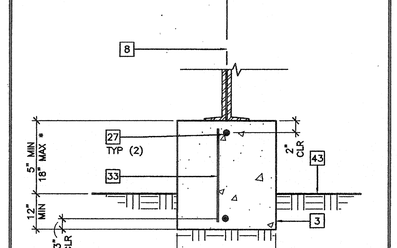
SCALE: 1 1/2"=1'-0"

ANCHOR BOLT AT CORNER | 11



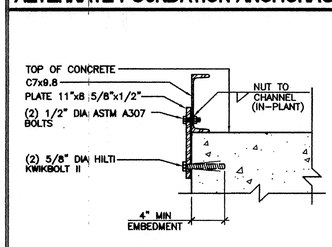
SCALE: NTS

ACCESS/VENT SECTION | 7



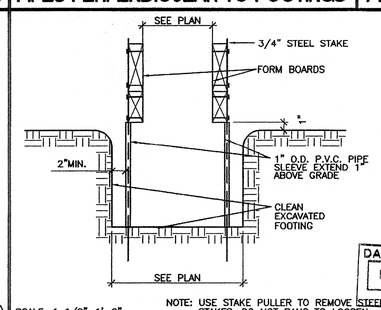
SCALE: NTS

INTERIOR RETURN FOOTING | 3



SCALE: 1 1/2"=1'-0" (OPTIONAL)

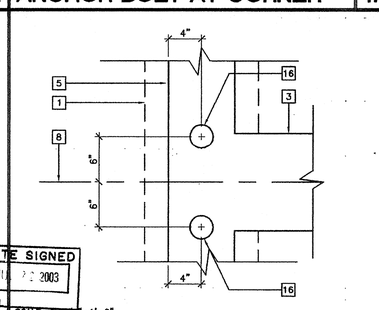
ALTERNATE FOUNDATION ANCHORAGE | 19



NOTE: USE STAKE PULLER TO REMOVE STEEL STAKES. DO NOT BANG TO LOOSEN.

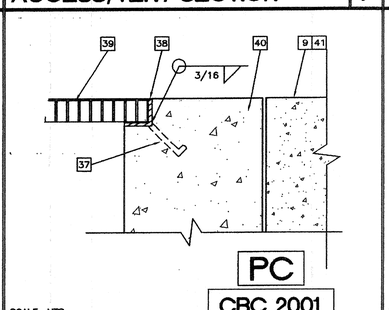
SCALE: 1 1/2"=1'-0"

FOOTING FORMS - TEMPORARY | 15



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

ANCHOR BOLT AT MODLINE | 12



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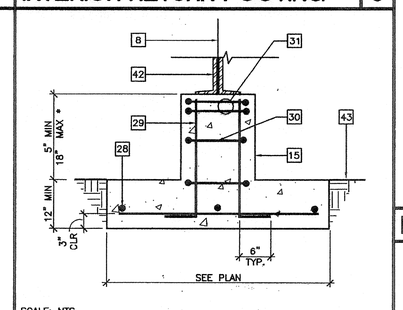
SCALE: NTS

GRATING SUPPORT | 8



SCALE: NTS

INTERIOR PAD FOOTING | 4

KEY NOTES

1. END WALL FOOTING – SEE FOOTING SCHEDULE
2. SIDE WALL FOOTING – SEE FOOTING SCHEDULE
3. MODLINE RETURN FOOTING – SEE FOOTING SCHEDULE
4. SLEEVE DIAMETER 2" LARGER THAN PIPE DIAMETER
5. STEM WALL
6. FOOTING. FOR PIPES IN THIS AREA LOWER FOOTING SO PIPES PASS THROUGH STEM WALL.
7. PIPE THROUGH STEM WALL
8. MODLINE (℄)
9. CONCRETE FLATWORK (BY DISTRICT)
10. STARTER WALL AFTER SET. CLEAN TO REMOVE LAITANCE AND SCUM.
11. CUT BACK SPALL
12. CONTINUOUS CLEAN-OUT. STAKES NOT PERMITTED WITHIN FOOTING AREA.
13. MINIMUM FORMWORK (UNLESS FULLY FORMED)
14. 2x PLANKING
15. CONCRETE INTERIOR PAD FOOTING – SEE FOUNDATION PLAN FOR SIZES
16. 3" DIAx6" DEEP CANOUT IN FOUNDATION (BY CONCRETE SUB-CONTRACTOR). AT TIME OF BUILDING INSTALLATION BACK FILL EACH CANNOUT WITH ANCHOR BOLT IN PLACE. USE HIGH STRENGTH EMBECO 636 NON-SHRINK, METALLIC AGGREGATE GROUT.
17. OPTION 1: 12 GA GALVANIZED EXPANDED DIAMOND MESH. EMBED 1 1/2" INTO WET CONCRETE AT 2 SIDES AND BOTTOM.
    OPTION 2: 3/16"x1 1/2"x1 1/2" GALVANIZED ANGLE FRAME WITH 12 GA GALVANIZED EXPANDED DIAMOND MESH WELDED TO END OF INTERIOR ANGLE LEG. ANCHOR WITH 3 FASTENERS AT BOTTOM INTO CONCRETE AND 3 FASTENERS AT TOP INTO FLOOR CHANNEL.
18. ANCHOR PLATE – 3/S1.01
19. COUNTER FLASHING (BY OTHERS)
20. GALVANIZED FLASHING, BY MODTECH
21. NOT USED
22. 3/4" ANCHOR BOLT A307 WITH 5" EMBEDMENT OR 3/4" DIA THREADED ROD A36 WITH 5" EMBEDMENT
23. LINE OF BUILDING
24. DOOR
25. DOOR FRAME
26. ALUMINUM THRESHOLD
27. #5 TOP AND BOTTOM CONTINUOUS
28. 3-#5'S EACH WAY AT BOTTOM
29. 4-#5 X L VERTS
30. #4 SQUARE TIES AT 8" OC
31. #4 SQUARE TIES; 2 AT TOP OF FOOTING
32. #4 CONTINUOUS
33. #3 VERTICAL AT 24" OC FOR BUILDINGS 60'x40' AND GREATER ONLY
34. LAP 4"
35. STANDARD 90° HOOK TYPICAL
36. DRYWELL 3" DEEP WITH 3/8" PEA GRAVEL (ONLY AT ACCESS)
37. 3/8"ø x3" ANCHOR BOLT WELDED TO ANCHOR FRAME
38. 1 1/4"x1"x1/4" ANGLE FRAME
39. HORIZONTAL GRATE: GRATE OPENING TO BE MAXIMUM 1" EXCEPT 1/2" IN PATH OF TRAVEL. (UPGRADE CHANGE ORDER REQUIRED) SEE ARCHITECTURAL SITE PLAN.
40. CONCRETE AREAWAY WALL
41. FINISH GRADE
42. STEEL FLOOR FRAME (STR)
43. FINISH PAD ELEVATION – REFER TO GENERAL NOTES
44. NEAT CUT TRENCH
45. 4" BUILDING SEPARATION AT ADJACENT BUILDING – OPTIONAL
46. BUILDING LINE
47. 1-#5 AT SIDE WALLS, 2-#5 AT END WALLS
48. BEND TOP BARS DOWN
49. BOTTOM OF FOOTING

NOTES

FOR DETAILS 1 THROUGH 4:
* 1. 11" MIN/30" MAX ON BUILDINGS OVER 2160 SQ. FT.

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04 105455
AC — FLS — SS
DATE MAY 20 2004
REV 1

DATE SIGNED 11/2/2003

FILE PATH: 2440-F3.11.DWG

REVISIONS		
1		
2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON NO. 3602 CIVIL
LICENSE EXP. 30-2004

Architects Seal

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PC-04
104801
AC FLS SS
DATE 5/1/03

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

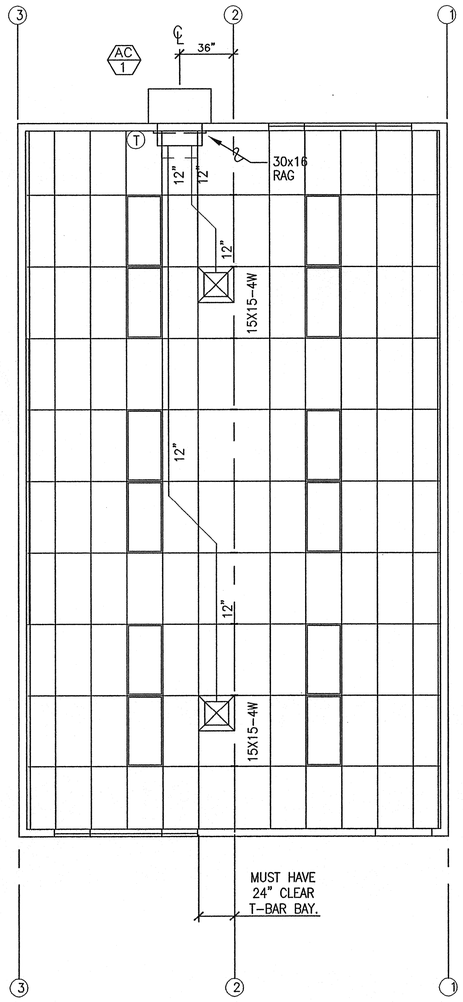
DRAWN BY:
DATE:
CHECKED BY:
DATE:

MODTECH Index No.

FOUNDATION DETAILS BELOW GRADE CONCRETE

F3.11

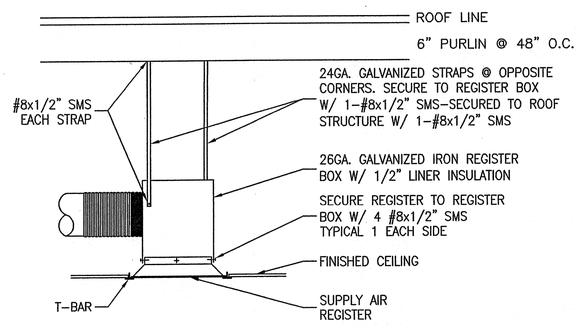
PROJECT NO. PC-04-104801



AIR CONDITIONING PLAN VIEW 24'X40' BUILDING

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

TYP. OF 1 BUILDING.



REGISTER BOX DETAIL

N.T.S.

EQUIPMENT & MATERIAL SCHEDULE

AC 1 — MARVAIR MODEL# AVP42HPA05NB WALL MOUNTED HEAT PUMP
42,500 BTUH COOLING, SEER = 10.20
42,500 BTUH HEATING, HSPF = 6.60
1,400 CFM NOMINAL @.2"S.P.,WT. = 545 LBS.
208/230v-1PH-60CY, MAX. F.L.A. = 48.53 AMPS
WITH FACTORY MOTORIZED DAMPER

SUPPLY AIR PLENUM: GALV. IRON SHEETS W/ 1/2" LINER INSULATION

INTERIOR DUCTWORK:FLEX DUCT CLASS 1 UL-181

REGISTER BOXES: GALV. IRON SHEETS W/ 1/2" LINER INSULATION

SUPPLY AIR REGISTERS: METALAIRE '7650-6' SERIES

RETURN AIR GRILLES: METALAIRE 'RH' SERIES

THERMOSTAT: WHITE RODGERS '1F92' SERIES

ATTACH ALL SUPPLY AND RETURN AIR REGISTERS TO REGISTER BOXES WITH 4-#8x1/2" S.M.S. - ATTACH REGISTER BOX TO ROOF STRUCTURE WITH 2-1 1/2" GALV. STRAPS AT OPPOSITE CORNERS

LEGEND AND ABBREVIATIONS

———	SUPPLY DUCT	←∿	DIRECTIONAL AIR FLOW
- - -	RETURN DUCT	←∿	BAROMETRIC RELIEF DAMPER THRU WALL
12"	NUMBER INDICATES DUCT SIZE	←∿ UCD	UNDERCUT DOOR
	RETURN REGISTER	(R)	BAROMETRIC RELIEF DAMPER THRU ROOF
	RETURN REGISTER	(T)	THERMOSTAT (T 48")
	SUPPLY REGISTER	-f-	DAMPER
	EXHAUST FAN		EQUIPMENT CALLOUT: TOP = EQUIPMENT TYPE BOTTOM = IDENTIFICATION
	12"x12" HOLE THRU BEAM	E	ELECTRICAL LOCATION
△	16"x12" HOLE THRU BEAM	CD	CONDENSATE DRAIN
◆—	FIRE DAMPER	G	GAS LOCATION

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MECHANICAL (HVAC) PLAN (12-LIGHTS)

OPP-HAND

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

PC
CBC 2001

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1			REGISTERED MECHANICAL ENGINEER 12/31/03 DATE REGISTRATION EXPIRES	
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3				
4				
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104796
AC. FLS. SS
DATE 5/7/03

MODTECH INC.™
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

MECHANICAL (HVAC) PLAN 3 1/2 TON

M1.0

PROJECT NO. 4736

PC- 04-104796

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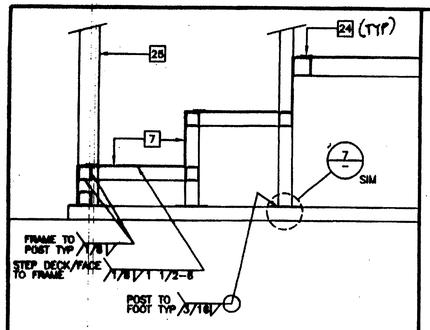

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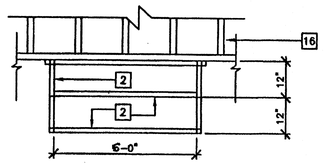
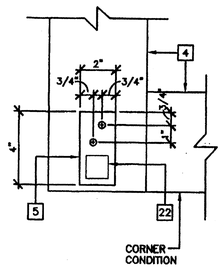
STAIR SECTION 16



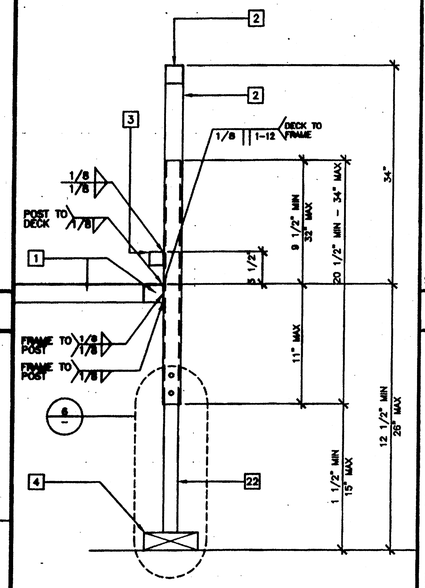
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR FRAMING PLAN 12



SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 8



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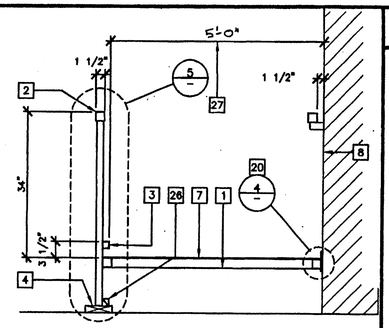
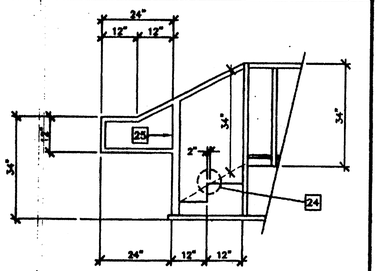


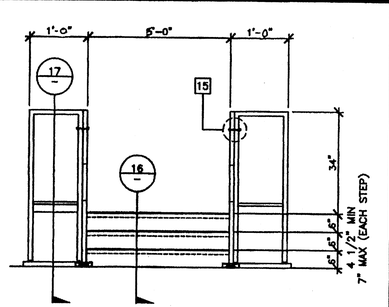
SCALE: 3/4"=1'-0"

SECTION AT RAMP 1



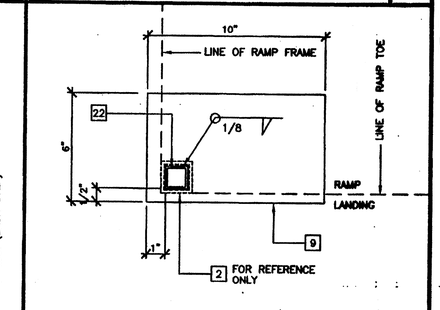
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 17



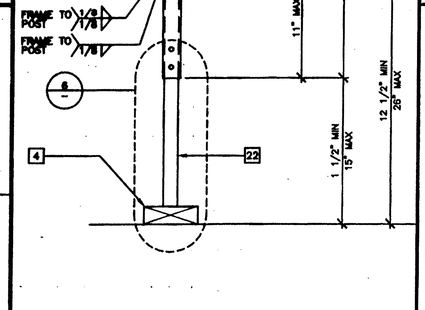
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



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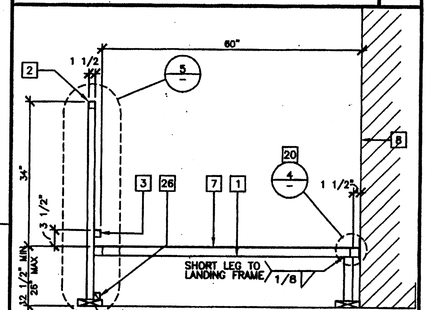
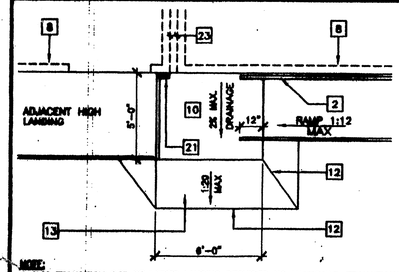
ADJUSTABLE LEG 5



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

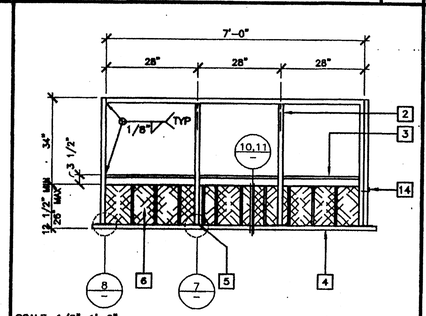
SECTION AT LANDING 2



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

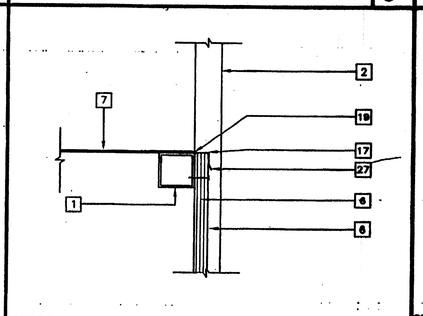
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 18



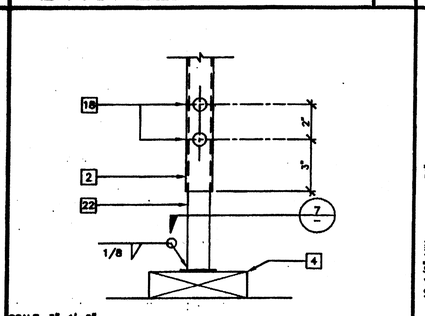
SCALE: 1/2"=1'-0"

LANDING ELEVATION 14



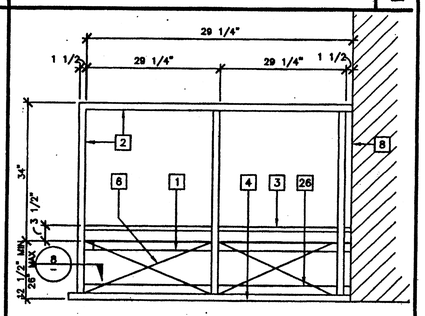
SCALE:3"=1'-0"

SKIRT FLASHING 10



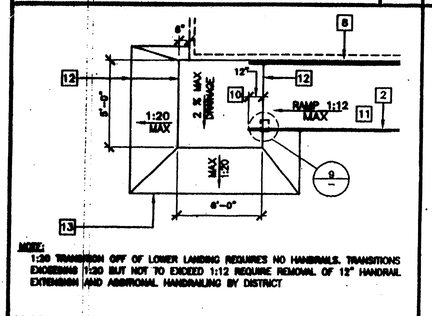
SCALE: 3"=1'-0"

ADJUSTABLE LEG 6



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

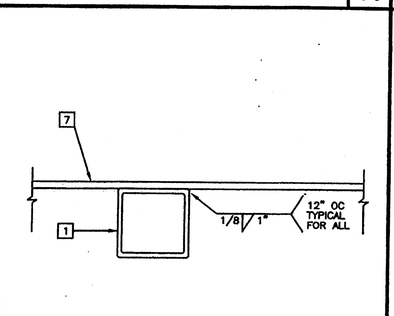
END ELEVATION 3



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

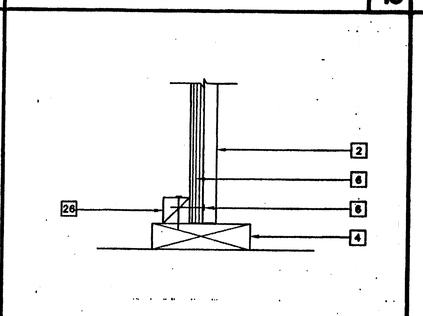
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 19



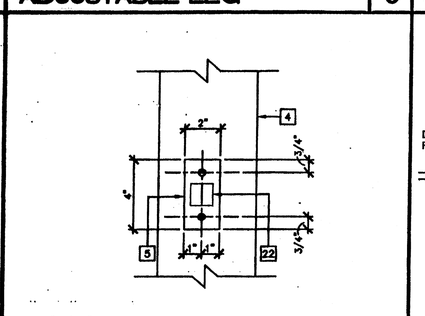
SCALE: NTS

SECTION AT INTERIOR FRAME 15



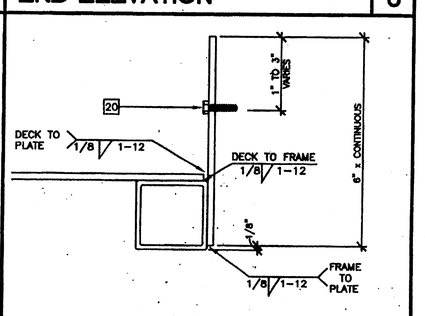
SCALE: 3"=1'-0"

SKIRT AT SILL PLATE 11



SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 7



SCALE: NTS

SECTION AT PLATE 4

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI). ROUNDED OR BEVELED AT CORNERS.
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x8" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR. PROVIDE ROUNDED OR BEVELED EDGES ON STAIR NOSING.
8. EXISTING BUILDING.
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE.
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. PAVE BY DISTRICT
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. FASTEN POSTS WITH 3/8" DIA THRU BOLT, TYPICAL
16. RAMP LANDING, TYPICAL
17. 26 GA FLASHING
18. 3/8" DIAx2" LONG MB WITH NUT & WASHERS
19. CAULKING
20. 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO METAL AT 9" OC
21. PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
22. TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
23. 4" MINIMUM BUILDING SEPARATION
24. 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING AND TOP LANDING. USE CONTRASTING COLOR.
25. TS 2 1/2"x1 1/2"x8 GA. ASTM A500 GRADE A
26. 2"x2" NAILER WITH 16d AT 12" OC
27. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 5'-0"

04 105455 SS
JUL 10 2003

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OFFICE OF REGULATION SERVICES
04 105455
AC. FLS. SS
DATE JUL 17 2003

FILE PATH:

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
FRED VINCENT HALLACK
No. C34998
12/31/03
RENEWAL DATE
LICENSED ARCHITECT
STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104796
AC. FLS. MB SS
DATE 6/4/03

MODTECH™ INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

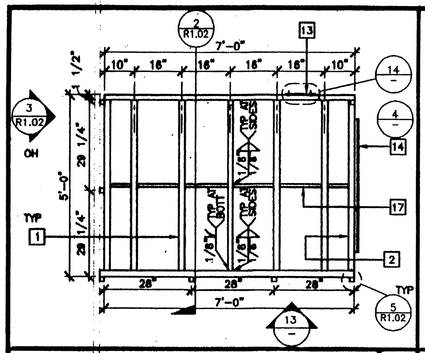
MODTECH Index No.

RAMP/LANDING DETAILS

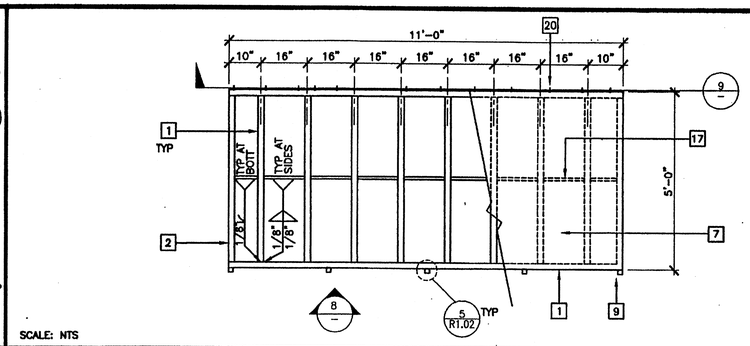
R1.02

PROJECT NO. 4736

PC-04-104796

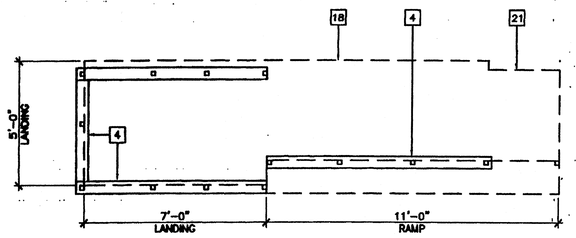


LANDING FRAME | 12



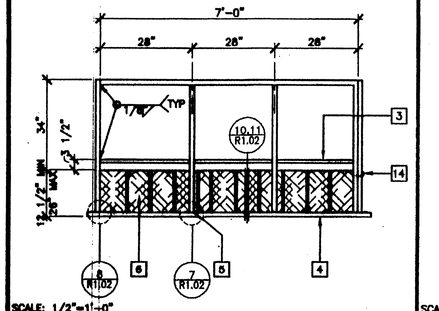
SCALE: NTS

RAMP FRAME | 7



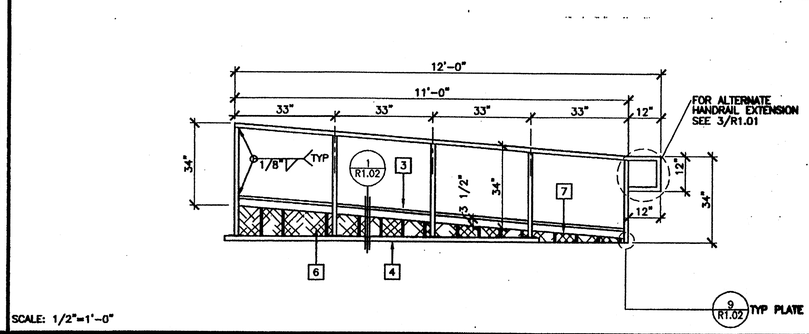
SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING | 1



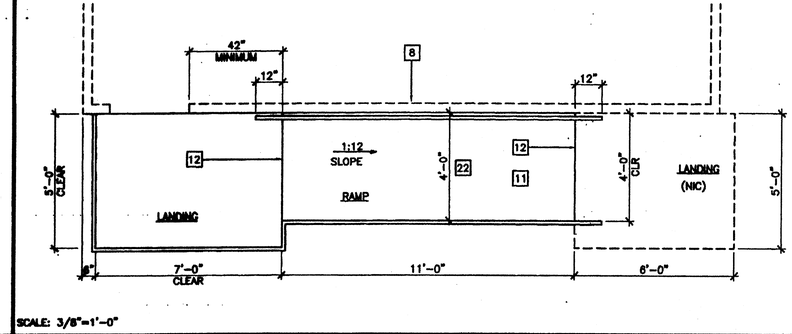
SCALE: 1/2"=1'-0"

LANDING ELEVATION | 13



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

RAMP ELEVATION | 8

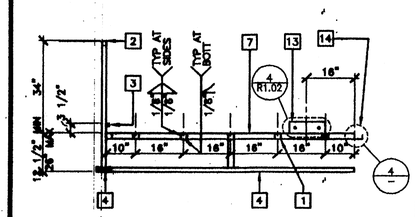


SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING | 2

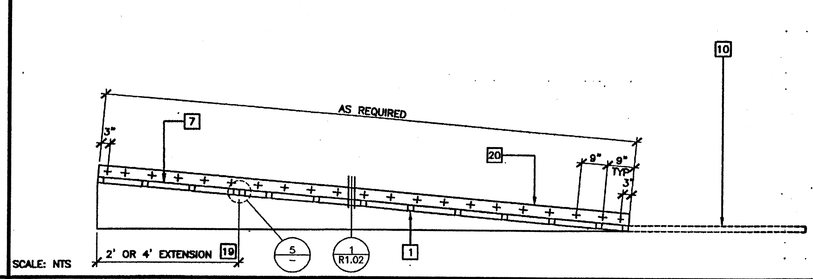
KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 30KSI). ROUNDED OR BEVELED AT CORNERS
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
7. 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR
8. EXISTING BUILDING
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. 2"x4"x 1/8" PLATE
16. TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED. ROUNDED OR BEVELED AT CORNERS
17. TS 1"x1"x16 GA RAIL SUPPORT
18. LINE OF RAMP/LANDING ABOVE
19. RAMP EXTENSION FRAME
20. 6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
21. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
24. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.



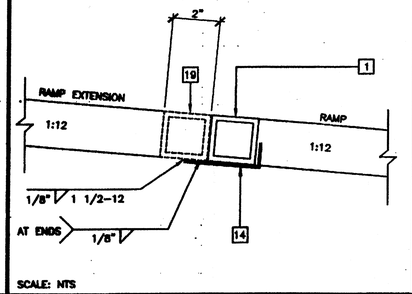
SCALE: NTS

SECTION AT LANDING | 14



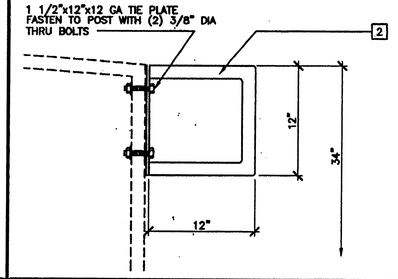
SCALE: NTS

LONGITUDINAL SECTION AT RAMP | 9

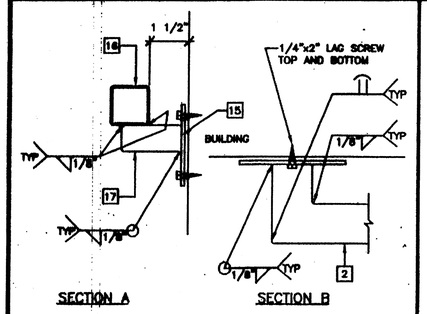


SCALE: NTS

RAMP EXTENSION TO RAMP | 5

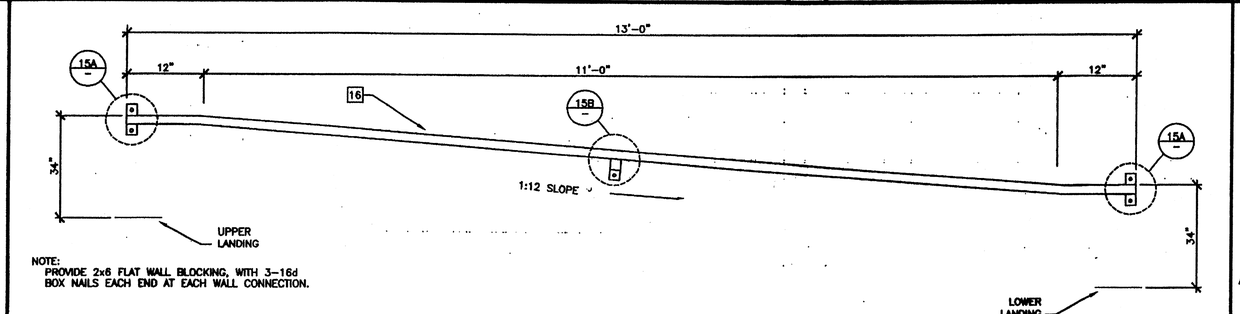


ALTERNATE GUARD RAIL EXTENSION | 3



SCALE: NTS

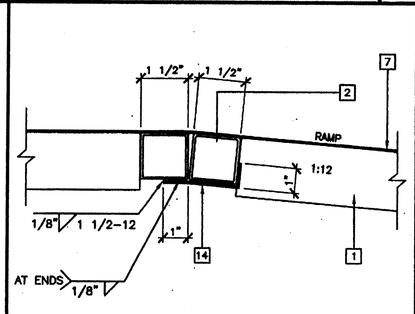
HANDRAIL CONNECTION | 15



NOTE:
PROVIDE 2x6 FLAT WALL BLOCKING, WITH 3-16d BOX NAILS EACH END AT EACH WALL CONNECTION.

SCALE: NTS

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) | 6



SCALE: NTS

RAMP AT LANDING | 4

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
5. ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

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OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS
DATE JUL 17 2003

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PC-04
104796
AC FLS SS
DATE 7/7/03

FILE PATH: --

PROJECT NO. 4736

PC-04-104796

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1		
2		
3		
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
PRESENTATION WALDRON
No. C-29136
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

MODTECH™ inc.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
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FAX (909) 940-0427

PROJECT NUMBER: 4736

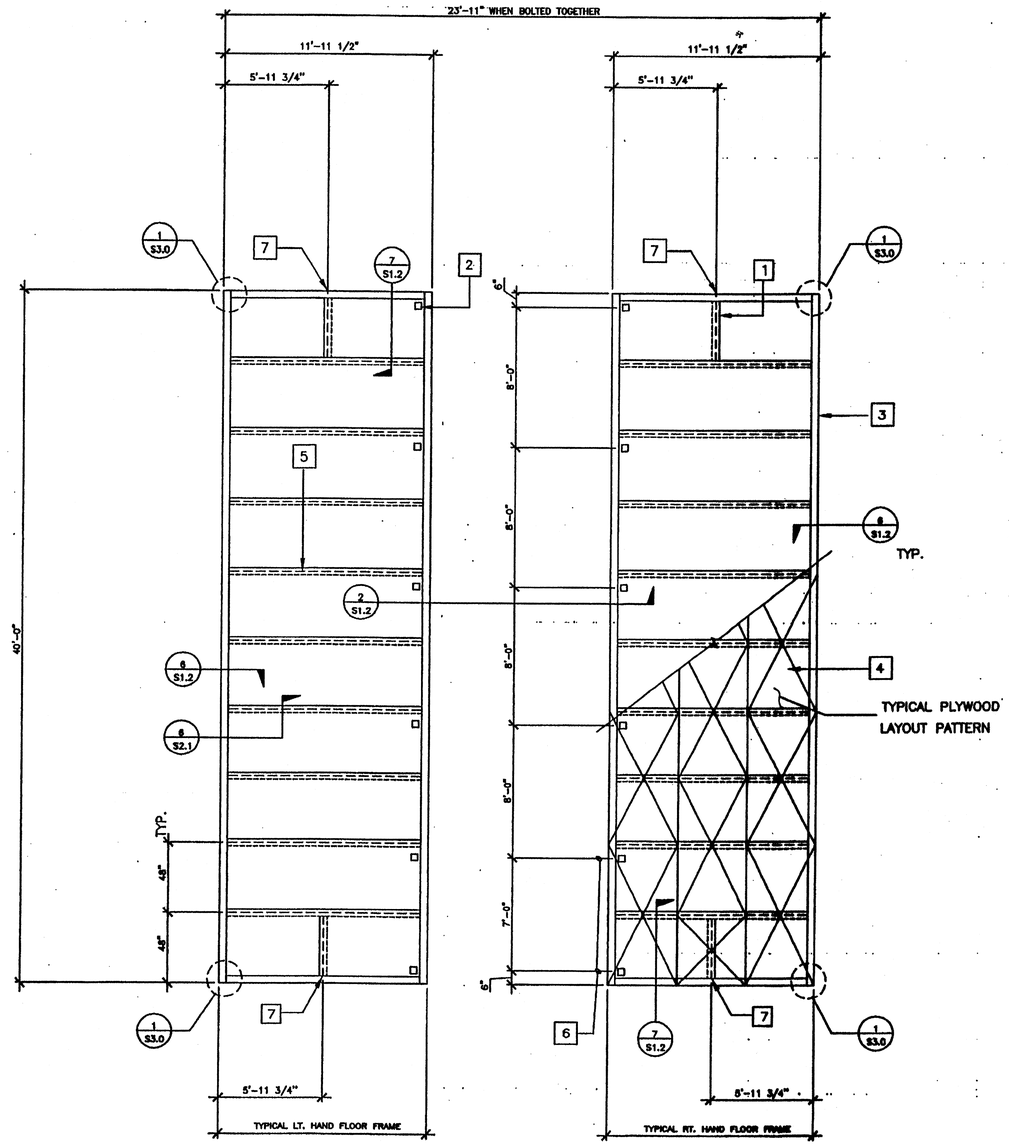
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

RAMP/LANDING 11' RAMPS

R5.01



FLOOR FRAMING PLAN

SCALE 1/4"=1'-0"

FLOOR LIVE LOAD - 50 PSF

KEY NOTES

1. ⌐ 6 3/8 X 2 1/2 X 12GA. BLOCKING AT MIDSPAN OF FLOOR HDR. TYPICAL
2. 5" DIA HAND HOLES AT BOLT BM TO BM (12 PLACES) OPTIONAL 5" SQUARE HOLE
3. C 7X9.8 PERIMETER CHANNEL (TYPICAL) SEE 5/S2.2
4. PLYWOOD FLOOR SHEATHING: APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR OR EQUAL W/48" O.C. SPAN RATING. ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 6" O.C. FIELD TO JOIST. (TYPICAL) SEE 10/S2.2
5. ⌐ 6 3/8 X 2 1/2 X 12GA. FLOOR JOIST AT 48" O.C.
6. TYPICAL BOLT HOLE LOCATION (SEE 2/S1.2)
7. 1"ø HOLE @ MID-DEPTH FOR HANDLING

NOTES

1. FOR L HAND & R HAND FRAME SEE S1.0
2. WELDING FIT-UP: OPENINGS = $\frac{t}{2}$ OR 1/8" MIN FOR FULL PEN ⊓ AND ⊓
   t = BASE METAL THICKNESS

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JUL 10 2003

FLOOR JOIST TABLE

LIVE LOAD PSF	JOIST SPACING STANDARD	OPTIONAL UP GRADE TO STIFFEN FLOOR		
		32"	24"	16"
50	48"			

FILE PATH:

REVISIONS		
1		
2		
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT FRED [illegible] ABELOCK No. C-24658 12/31/05 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

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CBC 2001
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104796
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MODTECH, INC.
2830 BARRETT AVENUE FAX (909) 943-4014
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PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

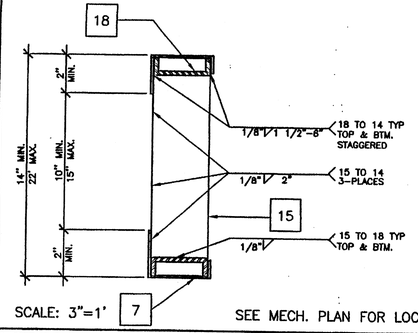
MODTECH Index No.

FLOOR FRAMING PLAN

S1.0

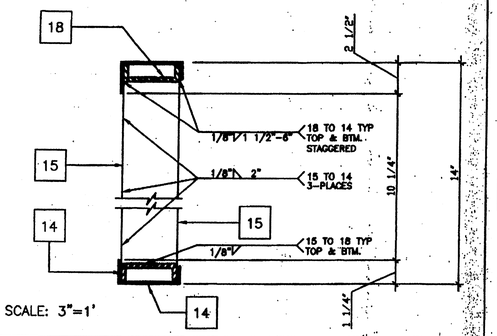
PROJECT NO. 4736

PC-04-104796



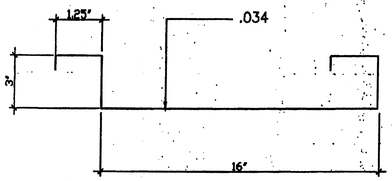
SCALE: 3"=1'

MECH. DUCT OPENING IN ROOF BM. 8



SCALE: 3"=1'

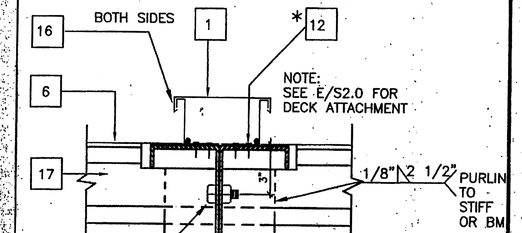
MECH. DUCT OPENING IN HEADER 4



Sx(MIN) = 0.296 IN3 Sx(MAX) = 0.33 IN3
Ix(MIN) = 0.446 IN4 Ix(MAX) = 0.603 IN4

SCALE: NTS

ROOF PAN (22GA.) 5

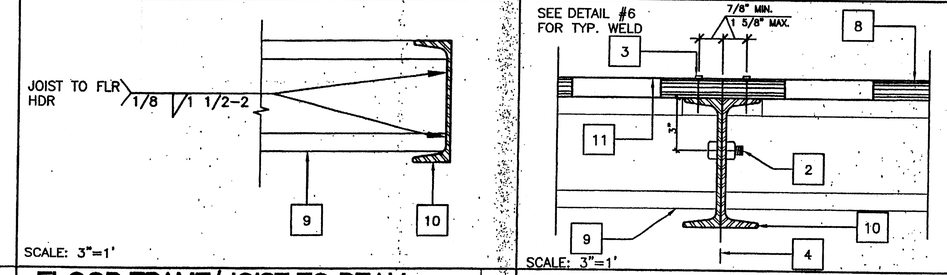


SEE 9/S2.2 FOR TYP. WELD STIFFENER TO BEAM

* DO NOT PENETRATE METAL ROOF DECK

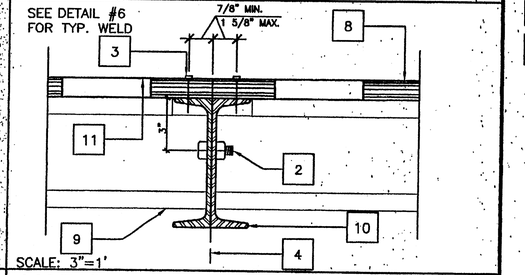
SCALE: 3"=1'

ROOFING • MODLINE 1



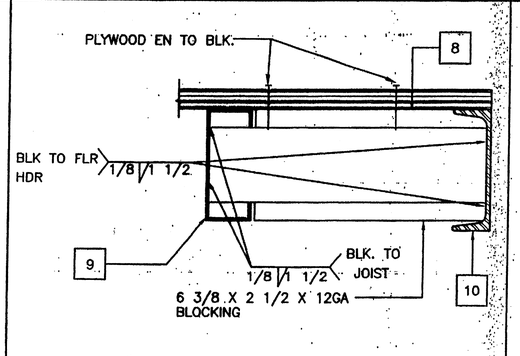
SCALE: 3"=1'

FLOOR FRAME/JOIST TO BEAM 6



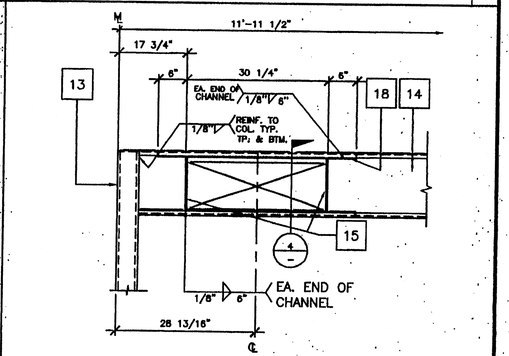
SCALE: 3"=1'

MODULE JOINT AT FLR. 12'-0" 2



SCALE: 3"=1'

BLOCK AT MIDSPAN 10



SCALE: 1"=1'

ELEVATION-OPENING 7

KEY NOTES

1	CAP CLOSURE AT RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT. BOTH SIDES.
2	5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8" O.C.
3	E.N.
4	MODULE JOINT
5	14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.2)
6	STANDING ROOF SEAM (SEE A2.0)
7	ROOF BEAM SEE 1/S2.2 & 7/S2.2
8	PLYWOOD FLOOR SHEATHING
9	FLOOR JOIST SEE 6/S2.2
10	FLOOR BEAM SEE 5/S2.2
11	HAND HOLE AT BOLT LOCATION
12	#14 STSMS.
13	3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN. SEE 12/S2.2
14	ROOF HEADER SEE 3/S2.2
15	1/4" STIFFENER PLATE SEE 9/S2.2 FOR TYP. WELD
16	SEALANT
17	ROOF PURLIN SEE 2/S2.2
18	3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

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PROJECT NO. 4736

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Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

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MODTECH INC.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

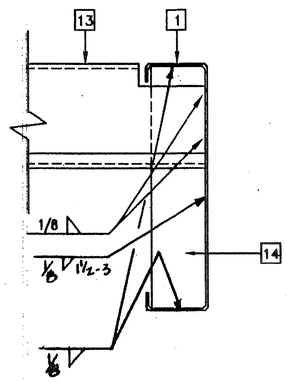
PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

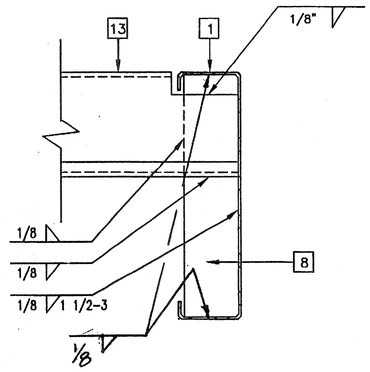
MODTECH Index No.

STRUCTURAL DETAILS

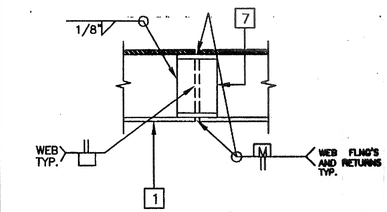
S1.2



PURLIN AT INT. SIDE WALLS | 13

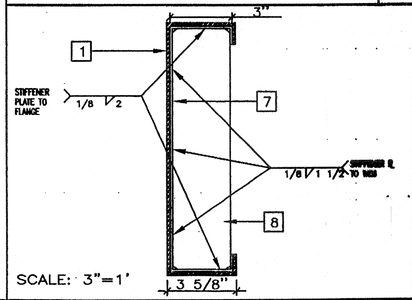


PURLIN AT EXT. SIDE WALLS | 11



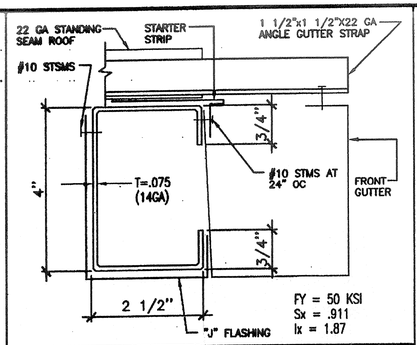
SCALE: 3"=1'

BEAM SPLICE AT RIDGE | 8

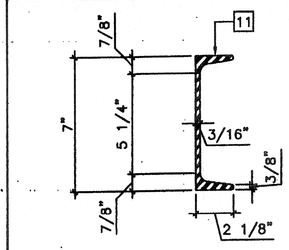


SCALE: 3"=1'

BEAM SPLICE W/STIFFENER | 9

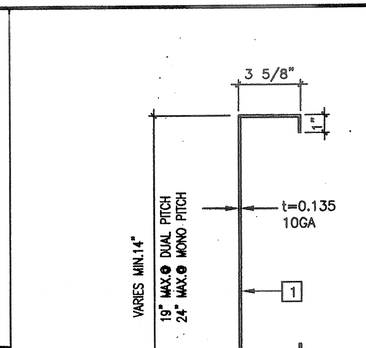


OPTIONAL FACIA AT 5' OVERHANG BM. | 4



SCALE: 3"=1'

FLOOR BEAM C7X9.8 | 5

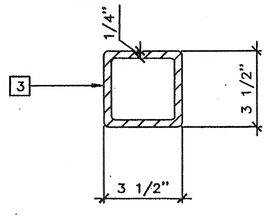


19 X 3 1/2 X 10 GA. — Sx = 17.728 IN 3, Ix = 168.414 IN 4

24 X 3 1/2 X 10 GA. — Sx = 25.17 IN 3, Ix = 302.04 IN 4

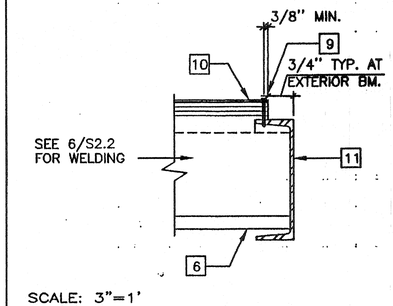
SCALE: 3"=1'

TAPERED ROOF BEAM | 1



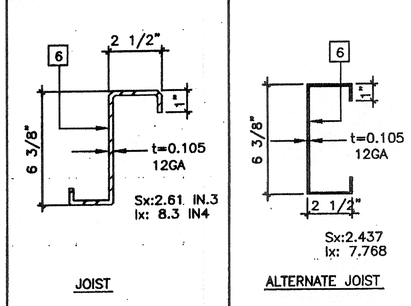
TS 3 1/2" X 3 1/2" X 1/4"

CORNER COLUMN | 12

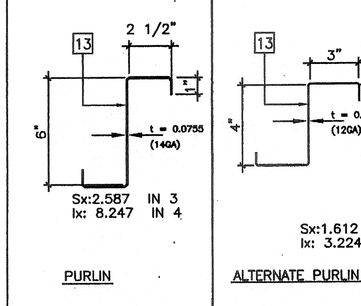


SCALE: 3"=1'

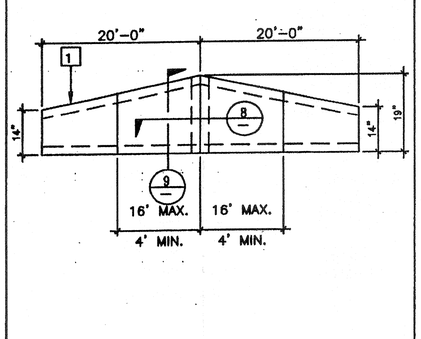
FLR LOIST AT FLOOR BEAM | 10



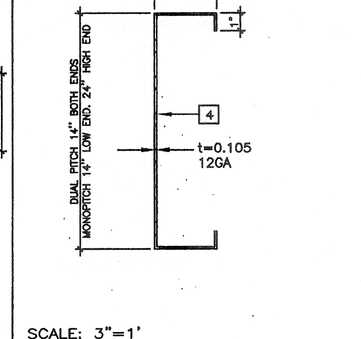
FLOOR JOIST | 6



ROOF PURLIN 3" = 1'-0" | 2



BM. SPLICE • RIDGE (DUAL SLOPE) | 7



SCALE: 3"=1'

ROOF HEADER | 3

KEY NOTES

1. 10GA. TAPERED RF. BM. SEE DETAIL #1 & #7
2. NOT USED
3. TS 3 1/2"X3 1/2"X1/4" COLUMN
4. ⊏ 14"X12GA. RF. HDR. SEE DETAIL #3
5. NOT USED
6. FLOOR JOIST SEE DETAIL #6
7. 10GA. BENT PLATE BACK-UP
8. STIFFENER PLATE 3"X1/4" THICK AT 4'-0" OC
9. #10 STSMS @ 6" O.C. (SEE S1.0)
10. PLYWOOD FLR. SHEATHING
11. FLOOR BEAM SEE DETAIL #5
12. NOT USED
13. ⊓ 6" X 2 1/2" X 14GA PURLIN
    ALT: ⊓ 4" X 3" X 12GA DETAIL #2
14. STIFFENER PLATE 3"X1/4" THICK AT 8'-0" OC

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PROJECT NO. 4736

PC-04-104796

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT — FRED VANCE MAYCOCK — No. C-24628 — 12/31/03 RENEWAL DATE — STATE OF CALIFORNIA

Architects Seal

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MODTECH INC.™
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
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DATE:

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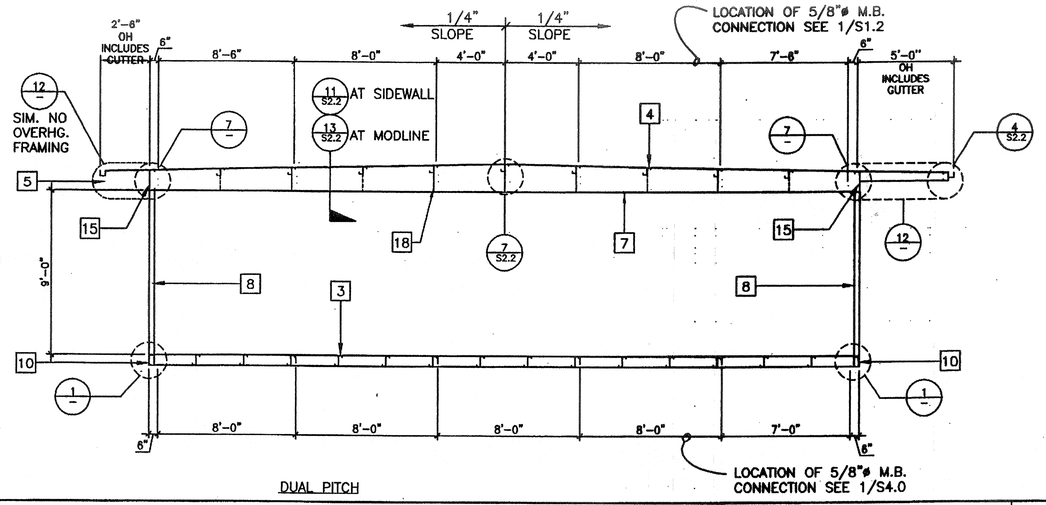
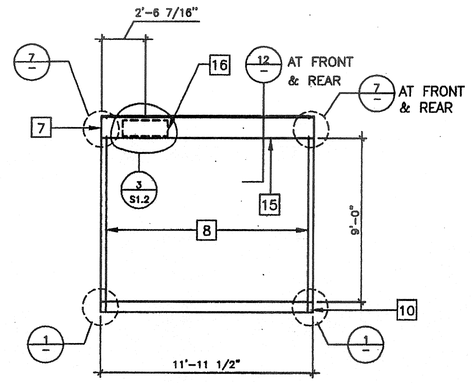
STRUCTURAL DETAILS

S2.2



DUAL PITCH

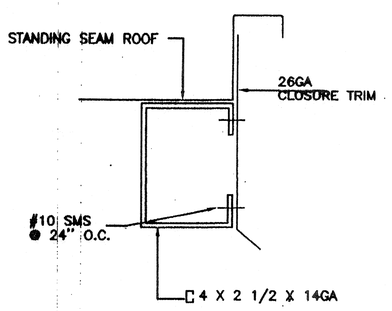


KEY NOTES

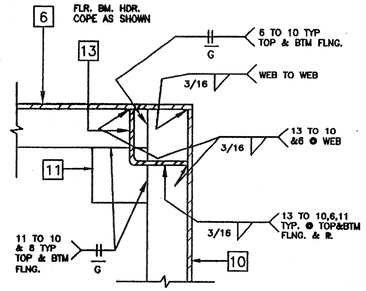
1. EN ø PLYWOOD EDGES
2. 22GA STANDING SEAM ROOF
3. 6 3/8"X2 1/2"X12GA. FLR. JOIST 6/S2.2
4. 6X2 1/2"X14GA. ROOF PURLIN 2/S2.2
5. ~~3"x3"x3"x20GA ROOF END CLOSURE W/#10 STSMS W/NEOPRENE WASHER TOP & BOTT.~~
6. [7 X 9.8 FLOOR HEADER
7. [10 GA. TAPERED ROOF BEAM (SEE 1/S2.2) OR 12/S2.2 REFER TO RF. FRAMING PLAN
8. T.S. 3 1/2"X3 1/2"X1/4" COLUMN
9. BACK-UP PLATE MIN. 10 GA.
10. [7X9.8 FLOOR CHANNEL
11. 3 1/2"X3 1/2"X1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
12. NOT USED
13. 3 1/2X3 1/2X1/4 STIFFENER ANGLE COPE TO FIT C7 X 9.8
14. STIFFENER TS 3 1/2X3 1/2X1/4
15. [14"X3 1/2"X12GA. HEADER (SEE 3/S2.2)
16. LOCATION OF HVAC OPENING
17. 3"X3"X1/4" THICK X 1/2" LONG INSERT POST
18. 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC AT EXTERIOR SIDEWALLS ONLY FOR 80 MPH DESIGN WIND LOAD ONLY
19. 1/4" BASE PLATE-INSERT FLUSH WITH STIFFENER TUBE
20. (1) 3"x3"x10 GA TUBE STEEL BACK-UP TUBE OR (4) 10 GA BACK-UP PLATES

10 SECTION AT SIDEWALL

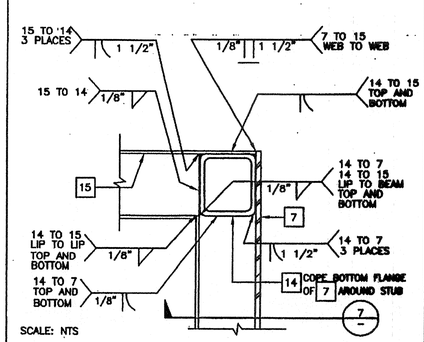
B SECTION AT ENDWALL A



SEE 4/S2.2



SCALE: 3"=1'



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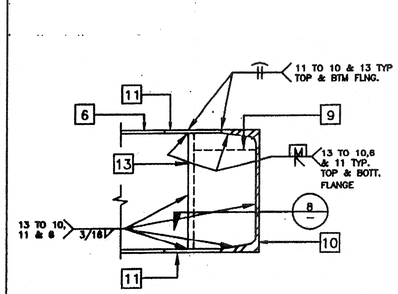
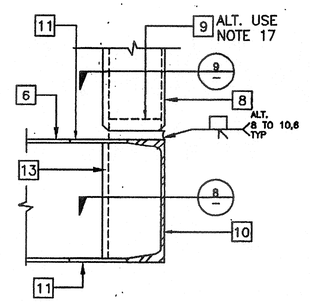
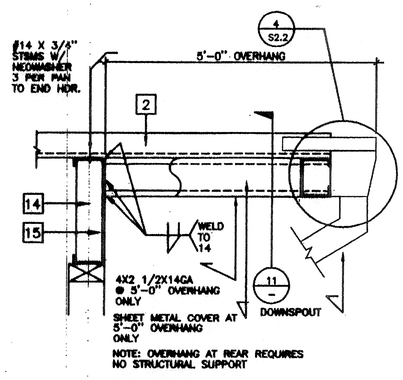


SCALE: 3"=1'



SCALE: 3"=1'

SECTION THRU OVERHANG BEAM 11 | STIFFENER SECTION AT FLOOR 8 | STIFFENER AT ROOF 6 | COLUMN CONN. AT FLOOR 4 | COLUMN CONN. AT FLR. 1



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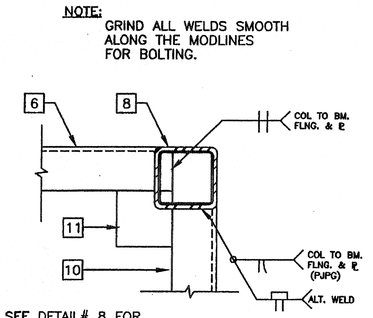
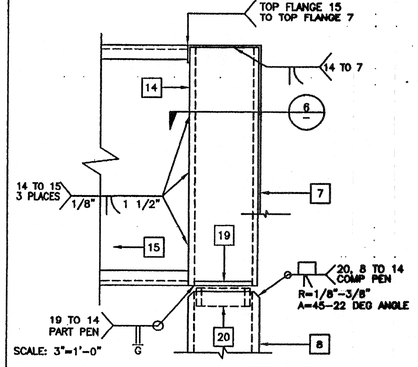


SCALE: 3"=1'



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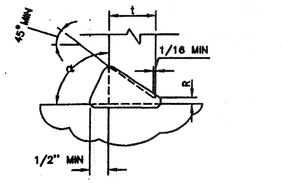
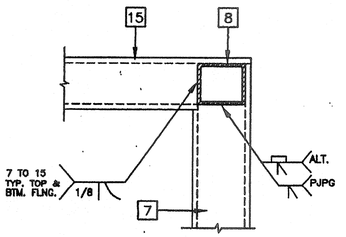


FIGURE 1-1
PARTIAL JOINT PENETRATION GROOVE WELDS IN TRUSS CONNECTIONS OF HOLLOW STRUCTURAL SECTIONS



SCALE: N.T.S.

QUTTER AT OVRHNG AT FRONT 12 | COLUMN AT FLOOR 9 | COLUMN AT ROOF 7 | P.J.G.P. WELD DETAIL 5 | COLUMN AT ROOF BEAM 3

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Electrical Engineer's Seal

Mechanical Engineer's Seal

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LICENSED ARCHITECT FRED WINSHIP HALLOCK No. C-24628 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

MODTECH™ INC.
2830 BARRETT AVENUE
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FAX (909) 940-0427

PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

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STRUCTURAL ELEVATIONS W/ FASCIA

S3.0

PROJECT NO.4736

PC-04-104796

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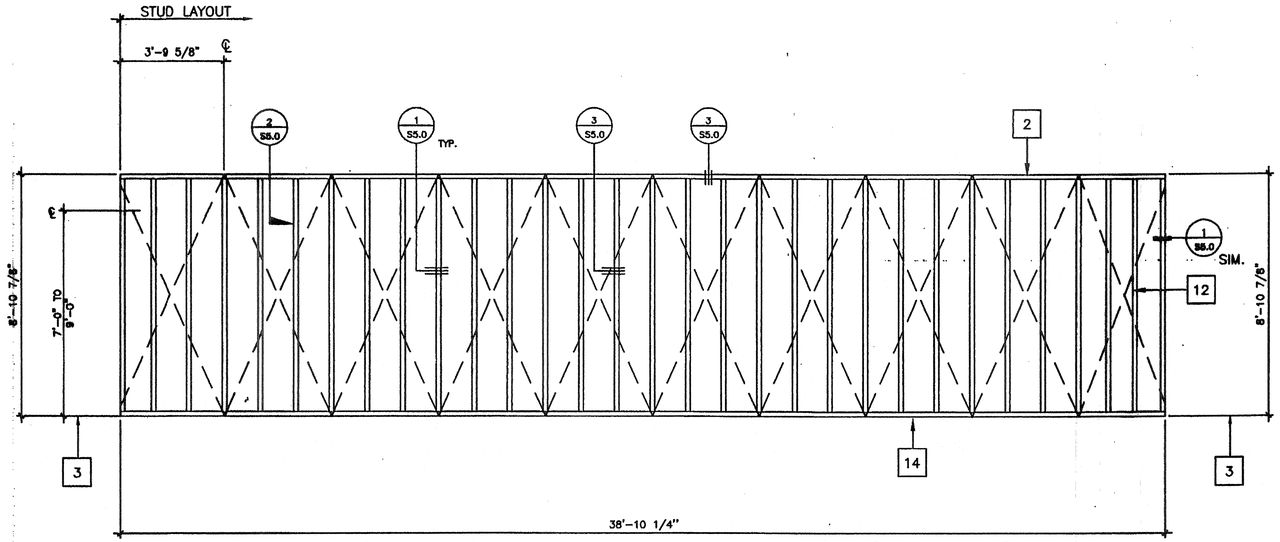

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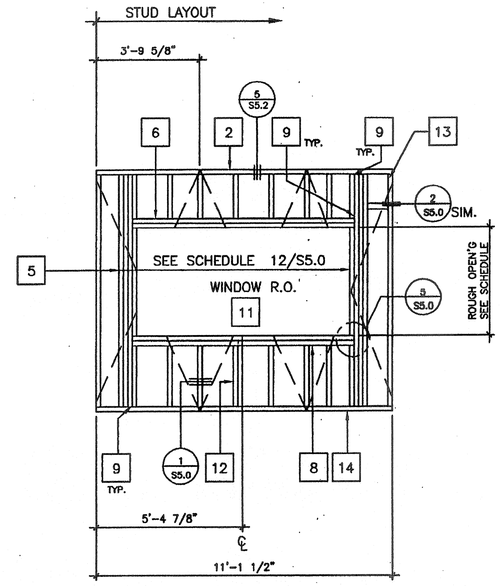

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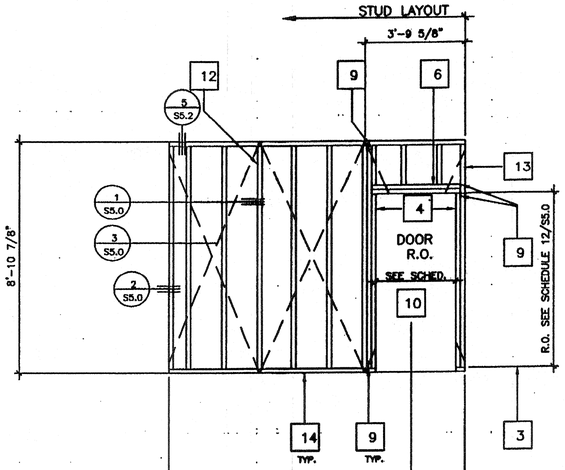

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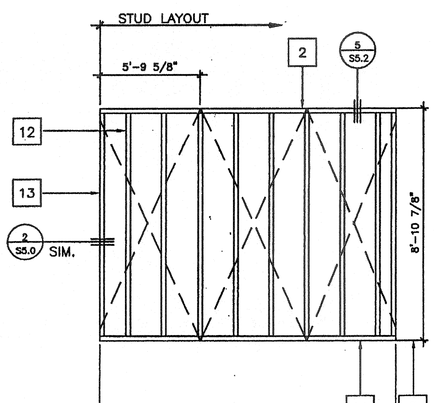

E

SCALE 3/8"=1'

KEY NOTES

1	4 X 4 POST ALT,:USE 2–2X4 W/FACE NAILING
2	2X4 TOP PLATE
3	FINISH FLOOR
4	2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5.0)
5	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED. SHEET S5.0.
6	HEADER (SEE SCHEDULE)
7	2"x6" LET IN FOR AC SUPPORT
8	WINDOW SILL PLATE (SEE SCHEDULE)
9	A 34 CLIPS AT HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES.SEE 4/S5.0
10	REQUIRED OPENING FOR A 3068 DOOR (SEE DETAIL 7/S5.0)
11	REQUIRED OPENING FOR A 8040 WINDOW (SEE DETAIL 6/S5.0)
12	2X4 STUD AT 16" O.C. TYPICAL
13	2X4 NAILER TYPICAL AT EACH END
14	2X4 SILL PLATE
15	FRAME FOR ELECTRICAL PANEL
16	THERMOSTAT LOCATION 4S BOX
17	~~2"x4" BLOCKING AT EXTERIOR PLYWOOD SIDING JOINT~~

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1			LICENSED ARCHITECT FRED VINCENT HALLOCK No. C-24609 RENEWAL DATE 12/31/03 STATE OF CALIFORNIA	
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MODTECH™ inc.
2830 BARRETT AVENUE FAX (909) 943-4014
PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

WALL FRAMING

WOOD STUDS

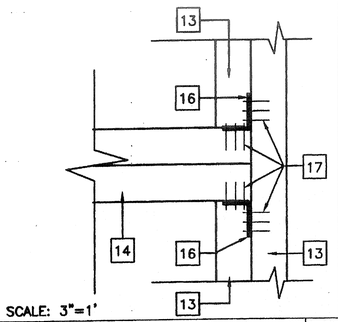
S4.0

NAILING SHEDULE

CONNECTION	NAILING [1]
1. JOIST TO SILL OR GIRDER,TOENAIL	2–10d
2. BRIDGING TO JOIST, TOENAIL END END	2–8d
3. 1" X 6" (25 mm X 152mm) SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL.	2–76d
4. WIDER THAN 1" X 6" (25 mm X 152 mm) SUBFLOOR TO EACH JOIST, FACE NAIL.	3–8d
5. 2" (51MM) SUBFLOOR TO LOIST OR GRINDER, BLIND AND FACE NAIL	2–16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d at 16" (406mm) o.c.
SOLE PLATETO JOIST OR BLOCKING, AT BRACED WALL PIENELS	3–16d per 16" (406mm)
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" (610mm) o.c.
10. DUOBLE TOP PLATES, TYPICAL FACE NAIL	16d at 16" (406mm) o.c.
DOUBLE TOP PLATES, LAP SPLICE.	8–16d
11. BLOCKING BETEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL.	3–8d
12. RIM JOIST TO TOP PLATE, TOENAIL.	8d at 6" (152mm) o.c.
13. TOP PLATES, LAP AND INTERSECTIONS, FACE NAIL.	2–16d
14. CONTINUOUS HEADER, TWO PIECES.	16d at 16" (406mm) o.c. along each edge
15. CEILING JOIST TO PLATE, TOENAIL.	3–8d
16. CONTINUOUS HEADER TO STUD, TOENAIL.	4–8d
17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL.	3–16d
18. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL.	3–16d
19. RAFTER TO PLATE, TOENAIL.	3–8d
20. 1" (25 mm) BRACE TO EACH STUD AND PLATE, FACE NAIL.	2–8d
21. 1" X 8" (25 mm X 203 mm) SHEATHING OR LESS TO AECH BEARING, FACE NAIL.	2–8d
22. WIDER THAN 1" X 8" (25mm X 203mm) SHEATHING TO EACH BEARING, FACE NAIL	3–8d
23. BUILT–UP CORNER STUDS	16d at 24" (610mm) o.c.
24. BUILT–UP GIRDER AND BEAMS.	20d AT 32" (813 mm) O.C. AT TOP AND
BOTTOM AND STAGGERED 2–20d AT ENDS AND AT EACH SPLICE.	BOTTOM AND STAGGERED 2–20d AT ENDS AND AT EACH SPLICE.
25. 2" (51mm) PLANKS	
26. WOOD STRUCTURAL PANELS AND PARNICLEBOARD:[2]	
SUBFLOOR, ROOF AND WALL SHEARING (TO FRAMING): (1 INCH=25.4mm)	
1/2" AND LESS	8d[3]
19/32" – 3/4"	8d[4] OR 8d[5]
7/8" – 1"	8d[3]
1 1/8" – 1 1/4"	10[4] OR 8d[5]
COMBINATION SUBFLOOR–UNDERLAYMENT (TO FRAMING): (1 INCH=25.4mm)	
3/4" AND LESS	6d[5]
7/8" – 1"	8d[5]
1 1/8" – 1 1/4"	10d[4] OR 8d[5]
27. PANEL SIDING (TO FRAMING):	
1/2" (13 mm) OR LESS	6d[6]
5/8" (16 mm)	8d[6]
28. FIBREBOARD SHEATHING	
1/2" (13 mm)	NO. 11 GA[8] 8d[4]
25/32" (20 mm)	NO. 16 GA.[8] NO 11 GA.[8] 8d[4] NO.16 GA.[8]
29. INTER PANELING	
1/4" (6.4 mm)	4d 10
3/8" (9.5 mm)	6d 11

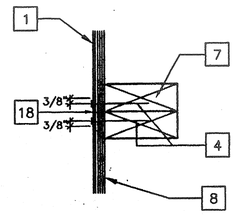
NOTE: All nail shall be box nails unless otherwise noted.

1. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
2. NAILS SPACED AT 6"(152MM) ON CENTER AT EDGES, 12"(305MM) AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES (152MM) AT ALL SUPPORTS WHERE SPANS ARE 48"(1219MM) OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE DIAPHRAMS AND SHEAR WALLS, REFERTO SECTION 2314.3. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
3. COMMON OR DEFORMED SHANK
4. COMMON
5. DEFORMED SHANK
6. CORROSION–RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
7. FASTENERS SPACED 3 INCHES(76MM) ON CENTER AT EXTERIOR EDGES AND 6 INCHES(152MM) ON CENTER AT INTERMEDIATE SUPPORTTRS.
8. CORROSION–RESISTANT ROOFING NAILS W/7/16(11MM) HEAD AND 1 1/2 INCH(38MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 3/4 INCH(44MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
9. CORROSION–RESISTANT STAPLES WITH NOMINAL 7/16 INCH(11MM) CROWN AND 1 1/8 INCH(29MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 1/2 INCH(38MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
10. PANEL SUPPORTS AT 16 INCHES(406MM) 120 INCHES(508MM) IF STRENGGHT AXIS IS IN THE LONG DIRECTION OF PANEL UNLESS OTHERWISE MARKED. CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES (152MM) AT INTERMEDIATE SUPPORTS.
11. PANEL SUPPORTS AT 24 INCHES(610MM). CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES(305MM) AT INTERMEDIATE SUPPORTS.
12. NAIL DAMEN INTO PRESSURE TREATED SILL PLATES SHOULD BE GALV.



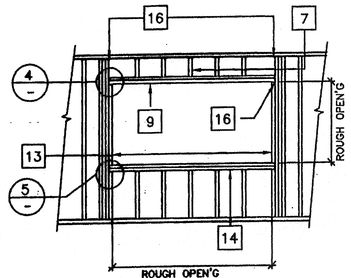
SCALE: 3"=1'

9 WINDOW SILL AT JAMB 5



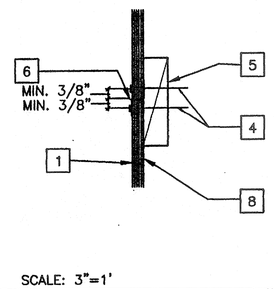
SCALE: 3"=1'

DETAIL AT VERT. PLYWOOD EDGES 1



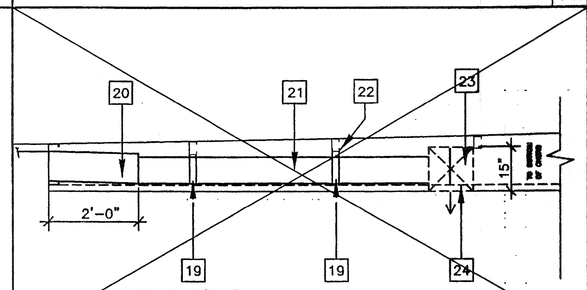
SCALE: 3"=1'

10 TYP. WINDOW FRAMING 6



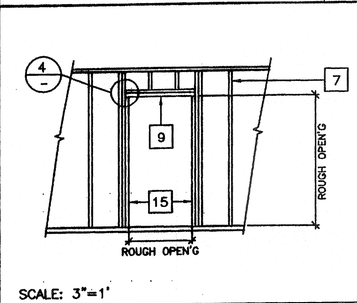
SCALE: 3"=1'

DETAIL AT HORIZ. PLYWOOD JOISTS 2



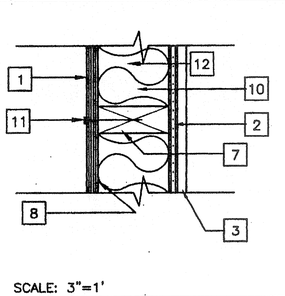
SCALE: 1/2=1'

SECTION: HVAC IN ROOF 11



SCALE: 3"=1'

TYP. DOOR FRAMING 7



SCALE: 3"=1'

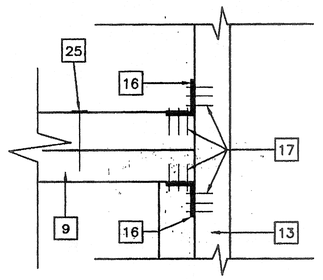
SECTION AT STUD 3

OPENING SCHEDULE				ROUGH OPENING	
OPENING	HDR.	SILL	JAMB	HEIGHT	WIDTH
3068	(2) 2X4	(2) 2X4	(2) 2X4 *	81 1/4"	38"
8040	(3) 2X4	(2) 2X4	(3) 2X4 *	48 1/8"	96 1/8"

* FULL HEIGHT STUDS

ALTERNATE: METAL STUD 3 1/2 " X 20 GA.
IN LIEU OF 2X4 WD. STUDS

ROUGH OPENING SCHEDULE 12



SCALE: 3"=1'

HEADER DETAIL 4

KEY NOTES

1	EXTERIOR PLYWOOD SIDING – SHEATHING NAIL W/GALV. BOX NAILS –8d AT 6" O.C. EDGES, 8d AT 12" O.C. IN FIELD
2	GYP. BOARD
3	TYP. INTERIOR FINISH–SEE FINISH SCHEDULE
4	E.N.
5	2X4 BLK'G
6	"Z" FLASHING
7	2X4 AT 16" O.C./DBL. 2X4 AT VERT. SIDING JOINT
8	WATERPROOF MEMBRANE
9	HEADER (SEE SCHEDULE S5.0)
10	INSULATION (SEE SPECIFICATIONS)
11	8d ELECTRO GALV. 12" O.C.FN.
12	2X4 SILL PLATE (BELOW)
13	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE OPENING SCHEDULE FOR JAMB STUDS REQ'D FOR DOORS & WINDOWS ONLY)
14	SILL PLATE (SEE SCHEDULE)
15	2X4 FULL HEIGHT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY)
16	A 34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
17	9GA. 8d 1 1/2" NAILS
18	LAP JOINT
19	2" WIDE DUCT SUPPORT STRAP @ 48" O.C.
20	PLENUM
21	DUCTWORK
22	ROOF PURLIN
23	TRANSFER BOX
24	ROOF CHANNEL
25	16D @ 16" O.C.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC FLS SS 1115
DATE JUL 17 2003

NOTES

1. NAILING:
–NAILING IN ACCORDANCE W/ T.24 C.A.C TABLE 2–25 P
–ALL NAILS EXPOSED TO WEATHER SHALL BE GALV.
–MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMOSTRATION AND APPROVAL BY O.S.A. / DSA FIELD REP. AND THE ARCHITECT.

04 10 84
JUL 10 2003

FILE PATH:

PROJECT NO.4736

PC– 04–104796

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
REGISTERED
No. C-24626
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC–04
104796
AC FLS SS
DATE 5/3/02

MODTECH INC.
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PERRIS, CALIF. 92572 FAX (909) 940–0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

FRAMING DETAILS WOOD STUDS

S5.0