BCSD - Cesar Chavez
STKP# 70
S/N's: 50888-01/02

MODULAR CLASSROOM BUILDINGS

CLASS LEASING INC

BUILDING SIZE: 24' x 40'- 100

STOCKPILE # 70

EXPANDABLE TO ~~144' x 40~~'

SSS: J.M. Cotton

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2003
ACS: A. Durlin 5/21/03
FLS: [illegible] 5-22-03

PC 04-104801

#	ROOF SLOPE	SERIAL #	JOB #
15 -	MONO	47728-01/02 to 47742-01/02	#4667
3 -	MONO	47777-01/02 to 47779-01/02	#4438
1 -	MONO	48018-01/02	#4754
21 -	MONO	48923-01/02 to 48943-01/02	#5100
1 -	MONO	47893-01/02	#4438
1 -	DUAL	48821-01/02	#5063
8 -	DUAL	49689-01/02 to 49696-01/02	#5355
4 -	DUAL	49988-01/02 to 49991-01/02	#5342
6 -	DUAL	50705-01/02 to 50710-01/02	#5550
10 -	MONO	50884-01/02 to 50893-01/02	#5584 ←
1 -	DUAL	50922-01/02 w/ TR OPTION	#5602
10 -	DUAL	51216-01/02 to 51225-01/02	#5677

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.

A PROJECT INSPECTOR EMPLOYED BY THE OWNER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

"AS ALTERNATE FOR ALL SHOT PIN ATTACHMENTS, USE #10 S.T.M.S. AT THE SAME SPACING."
#10 USE MAX. 3/8" MATERIAL
#12 USE MAX. 1/2" MATERIAL

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

DGS — DIVISION OF THE STATE ARCHITECT

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

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: | Date: | File Number:
Name: | Application Number:
District / 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, acceptance 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	✓				[redacted]
REINFORCING STEEL					Inspect placing
■ Sample and test bar steel [redacted]					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

	Suitability Tests	Concrete	Gunite	Grout	Mortar
☐ Field erection inspection					
■ Inspection of welds - Shop	☐ Sodium sulphate				
☐ Inspection of welds - Field	☐ Structural strength				
☐ Inspection of riveting or bolting - Shop	☐ Los Angeles rattler				
☐ Inspection of riveting or bolting - Field	☐ Clay (Hydrometer method)				
☐ Sample and test high strength bolts and washers	☐ Reactivity tests				
BRICK AND BLOCK	☐ Volume change				

Mix designs: Concrete, Gunite, Mortar, or Grout

	Material	Maximum Size	28 DAY Compressive Strength, PSI, Minimum
☐ Sample and test			
☐ Test only	STD CONC	1" ϕ	~~3000~~ PSI
☐ Inspection of placing			
☐ Core drill samples			
GLUED LAMINATED STRUCTURAL LUMBER	LTWT CONC	3/8" ϕ	3000 PSI
☐ Fabrication inspection			
☐ Sample and test steel accessories			
☐ Inspect fabrication of steel accessories			

List of structural steel members to be tested:
ALL ~~STEEL~~ NOT PROPERLY IDENTIFIED PER CBC CHAPTER 22 (MILL CERTS)

Is this list continued on reverse? ☐ YES ☐ NO

Other tests and inspections, together with special instructions: ~~GROUND~~ TEST

Copies of reports to: ARCHITECT OF RECORD

Are these instructions continued on reverse? ☐ YES ☐ NO

By: ________ Authorized Representative

SSS 103-1 (Revised 8/99)

BUILDING DATA

STRUCTURAL DESIGN: ORDINARY MOMENT RESISTANT FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): [redacted] 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, 50+20 PSF, 100 PSF, 125 PSF, STIFFENED
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2
~~36'x40' CLASSROOM: E-1~~
~~48'x40' CLASSROOM: E-1~~

BUILDING AREA: 24'x40' BUILDING - 960 SF [redacted]
~~36'x40' BUILDING - 1440 SF 108'x40' BUILDING - 4320 SF~~
~~48'x40' BUILDING - 1920 SF 120'x40' BUILDING - 4800 SF~~
~~60'x40' BUILDING - 2400 SF 132'x40' BUILDING - 5280 SF~~
~~72'x40' BUILDING - 2880 SF 144'x40' BUILDING - 5760 SF~~
~~84'x40' BUILDING - 3360 SF~~

THIS BUILDING SHALL NOT BE USED FOR A2.1 OCCUPANCY / COMPLIES WITH CLIMATE ZONES 1-16
THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

LEGEND

SYMBOL	DESCRIPTION
(1 / —)	DETAIL-1 ON SAME SHEET AS SYMBOL
(1 / F2)	DETAIL-1 ON SHEET F2.
(A / S2)	SECTION-A ON SHEET S2.
[1]	KEY NOTE (ON SAME SHEET AS SYMBOL)
△	REVISION IN DRAWING
CLOUD	HIGHLIGHTS REVISED AREA
(2)	DOOR REFERENCE
⟨A⟩	WINDOW REFERENCE
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE, SHEET A5.01
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE PLUMBING DRAWINGS
HV	HEATING, VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
RAMP	RAMP - SEE RAMP DRAWINGS

BUILDING CODES AND STANDARDS

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
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 ENERGY CODE (PART 6, TITLE 24, CCR)
2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)
2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
NFPA 13, 1999 ED, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
NFPA 14, 2000 ED, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
NFPA 24, 1995 ED, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
NFPA 72, 1999 ED, NATIONAL FIRE ALARM CODE, AS AMENDED

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.

ABBREVIATIONS

AGC	=	ABOVE GRADE CONCRETE
BGC	=	BELOW GRADE CONCRETE
CLR	=	CLEAR
DIA, ϕ	=	DIAMETER
GA	=	GAUGE
ID	=	INSIDE DIAMETER, IDENTIFICATION
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
SHT	=	SHEET
SIM	=	SIMILAR
STS	=	SELF TAPPING SCREW
STSMS	=	SELF TAPPING SHEET METAL SCREW
TYP	=	TYPICAL
UON, UNO	=	UNLESS OTHERWISE NOTED
WIC	=	WOODWORK INSTITUTE OF CALIFORNIA

SHEET INDEX MONO SLOPE

ARCHITECTURAL SITE SET-UP

STRUCTURAL

MECHANICAL

ELECTRICAL

PLUMBING

RAMP

4012-125

DATE SIGNED AUG 26 2003

PC

CBC 2001

REVISIONS
△1 △2 △3 △4 △5

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

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON NO. 5692 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

LICENSED ARCHITECT GEORGE C. EDWARDS C 2956 REN. 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04 104801
AC FLS SS
DATE 5/22/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

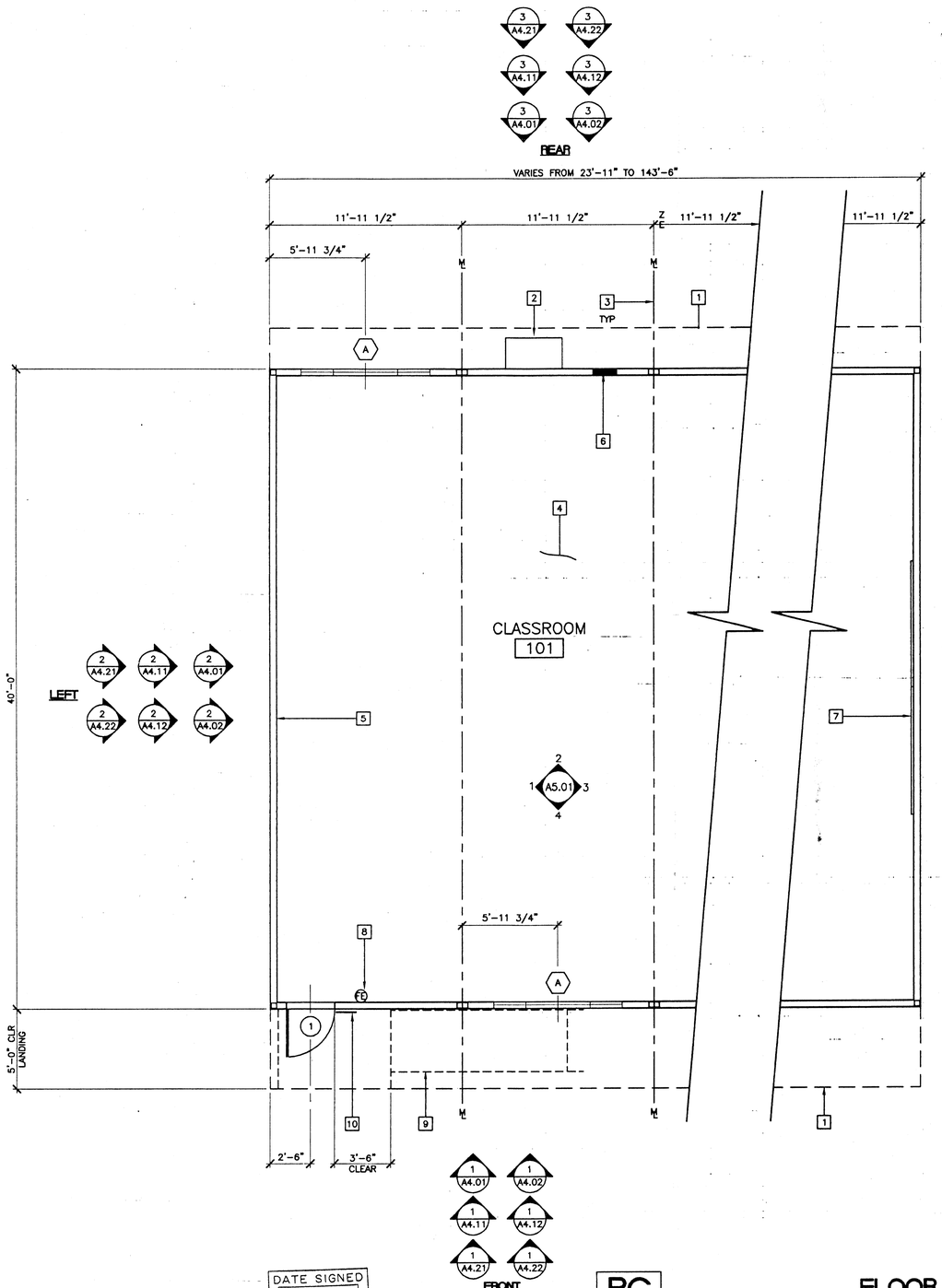
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

COVER SHEET

A0.01

FILE PATH: 2440-A0.01.DWG
PROJECT NO.
PC 04-104801



KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. MODLINE (M)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. ELECTRICAL PANEL (EL)
7. 2- 8'X4' MARKER BOARDS (SEE SPECIFICATIONS FOR TYPE)
8. FIRE EXTINGUISHER - 5 POUNDS DRY CHEMICAL WITH 2A - 10BC UL RATING ON WALL MTD BRACKET, HANDLE AT 48" AFF
9. RAMP/LANDING (RAMP) SEE SHEETS R1 - R4
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.01

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED AND EXPOSURE CATEGORY.
2. INSULATION MATERIALS INSTALLED WITHIN FLOOR/CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
   (1) FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION 2602
   (2) WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES III, 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 (CBC SECTION 707.3)
   (3) CELLULOSE LOOSE FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404
3. INTERIOR SIDE WALLS MAY BE LOCATED ON EITHER SIDE OF MODLINE
4. DISTRICT TO PROVIDE OCCUPANCY LOAD SIGN PER CBC 1007.2.6 PRIOR TO OCCUPANCY
5. ADEQUATE EXITS, EXIT WIDTH, AND SEPARATION OF EXITS SHALL BE PROVIDED AS REQUIRED BY CBC CHAPTER 10
6. PANIC HARDWARE IS REQUIRED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER PER CBC 1007.3.10

FILE PATH: 2440-A1.01.DWG

DATE SIGNED APR 30 2003

PC
CBC 2001

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC. FLS. SS
DATE MAY 22 2003

4012-125

FLOOR PLAN

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

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS RENEWAL 9-30-05 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC. FLS. SS
DATE 5/9/03

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

PROJECT NUMBER:

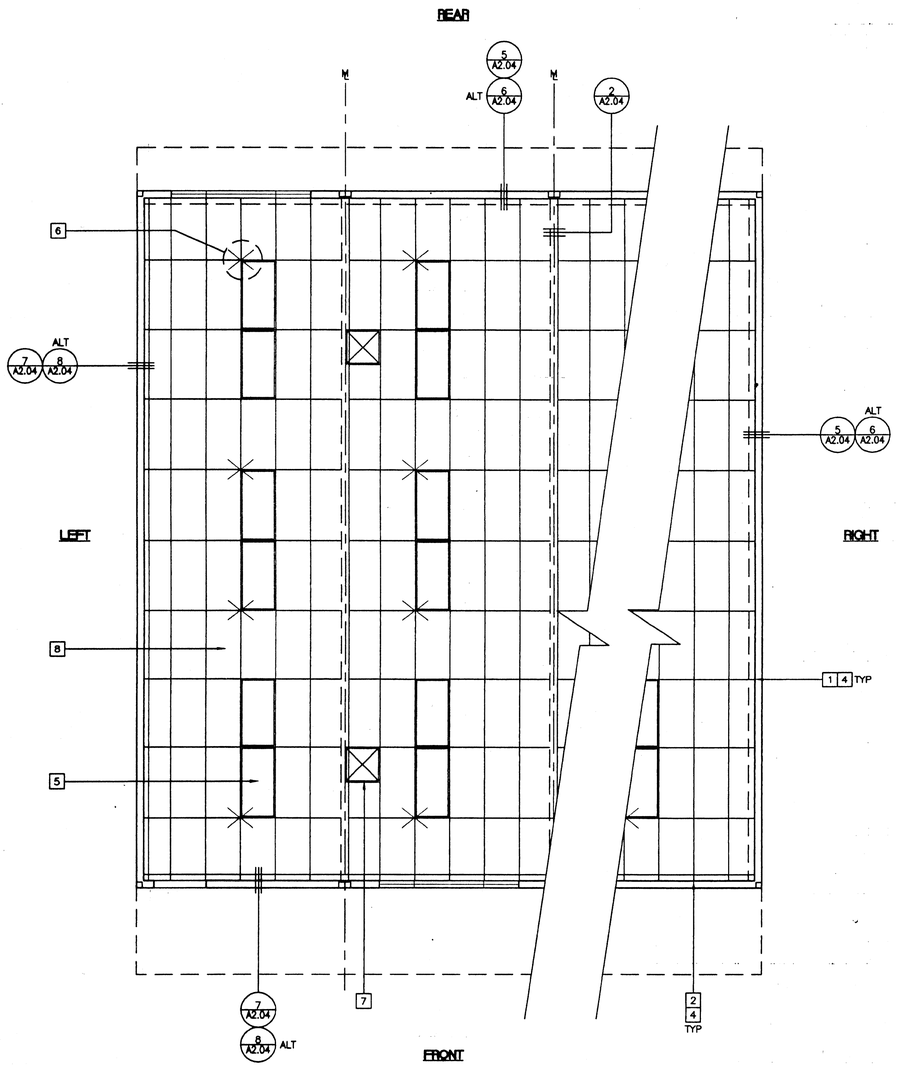
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

FLOOR PLAN

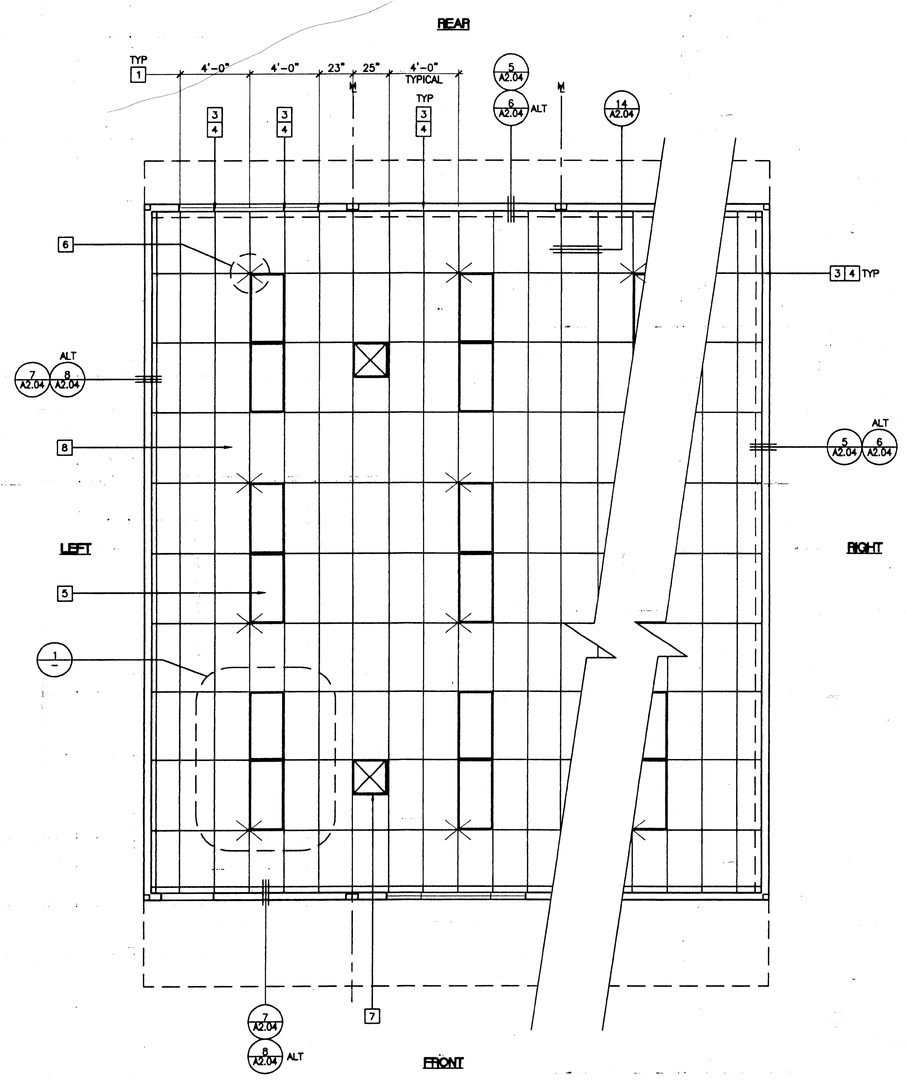
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.
A1.01

PROJECT NO.
PC-04-104801



1 STANDARD REFLECTED CEILING PLAN



2 BAYONET CEILING PLAN

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003

REFLECTED CEILING PLAN (12 LIGHTS)

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

DATE SIGNED
APR 11 2003

PC
CBC 2001

KEY NOTES

1. MAIN RUNNERS AT 4'-0" OC WITH 12 GA HANGER WIRES AT END OF EACH RUNNER
2. CROSS TEE AT 2'-0" OC (STANDARD CEILING PLAN ONLY)
3. CROSS TEE AT 4'-0" OC (BAYONET CEILING PLAN ONLY)
4. T-BAR PART NUMBERS

	ARMSTRONG PA-041	CHICAGO METALLIC PA-026	USG PA-030
RUNNER MAIN	7301	200	DX 26
4' CROSS TEE	7342	1210	DX 422
4' CROSS TEE (AT LIGHTS)	7341	1204	DX 626
2' CROSS TEE	7328	1226	DX 216
WALL ANGLE	7800	1420-01	M-7

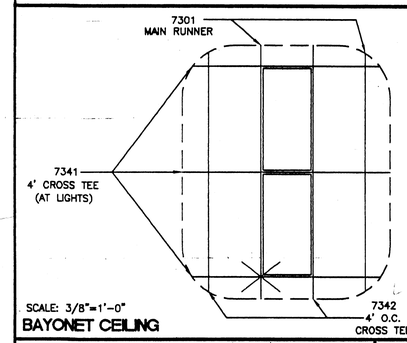
5. LIGHT FIXTURE, RECESSED, 2'x4' TYPICAL - 11/A2.04
6. 4 WAY SPLAY AT LOCATIONS INDICATED, WIRES TAUT BUT NOT TO DISTORT GRID - 1/A2.04
7. HVAC SUPPLY REGISTER, 2'x2' TYPICAL - 12/A2.04
8. CEILING PANELS: 2'x4' LAY-IN PANELS, ASTM FLAME SPREAD CLASS 1 (0-25). SMOKE DEVELOPMENT DENSITY LESS THAN 450 TYPICAL

NOTES

1. AT THE END OF ROWS OF RUNNERS A 12 GA HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
2. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER BRACING WIRES.
3. 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
4. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
5. VERTICAL WIRE SPACING 4' O.C. ALONG EVERY MAIN RUNNER

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- SPLAY WIRE
- INDICATES FIXED SIDE 7/A2.04
- INDICATES FREE SIDE 5/A2.04



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

4' CROSS TEE AT LIGHTS | 1

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER
CHARLES T. SIMPSON
No. 39067
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 8-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C-9356
REN. 8-30-03
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 5/21/03

MODTECH™ INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
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PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

REFLECTED CEILING PLAN (12 LIGHTS)

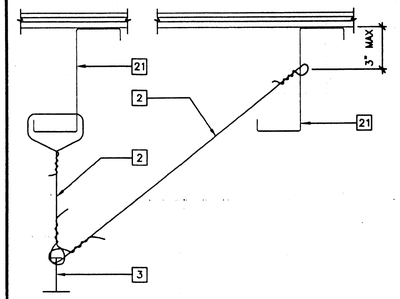
MODTECH Index No.
A2.03

PROJECT NO. PC-04-104801

FILE PATH: 2440-A2.03.DWG

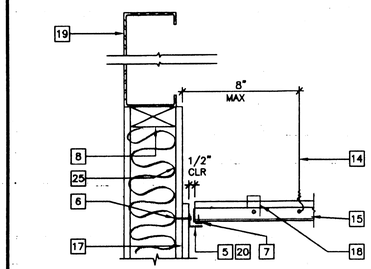
17

13



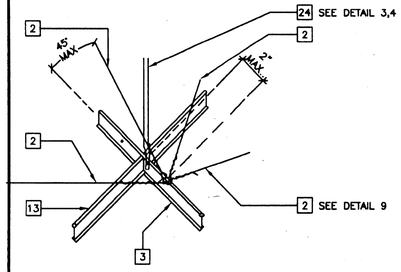
SPLAY BRACING WIRE

9



TYPICAL FREE SIDE

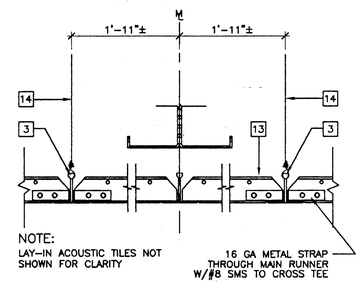
5



SIESMIC SPLAY - 4 WAY

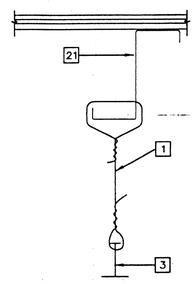
1

18



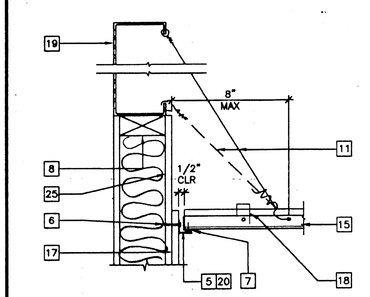
(OPTIONAL) BAYONET GRID AT MODLINE

14



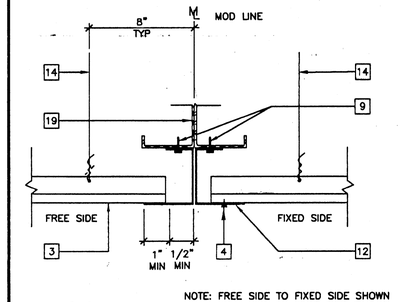
HANGER WIRE DETAIL

10



ALTERNATE FREE SIDE

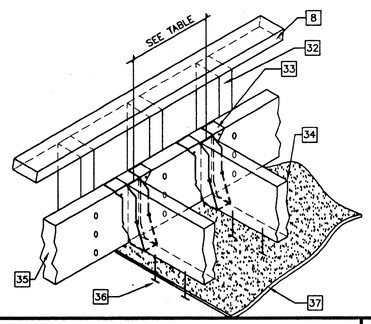
6



GRID AT MODLINE

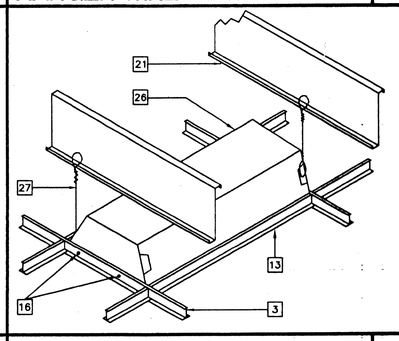
2

19



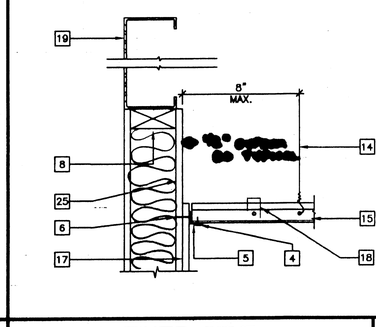
HARD CEILING DETAIL

15



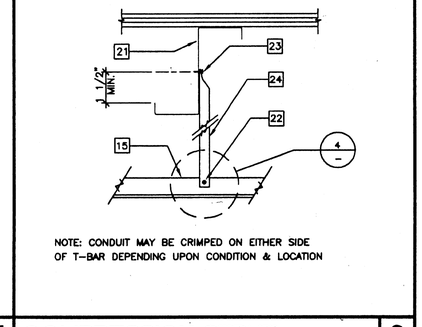
LIGHT FIXTURE MOUNTING

11



TYPICAL FIXED SIDE

7



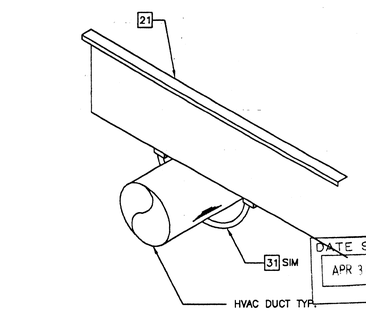
COMPRESSION STRUT

3

PC

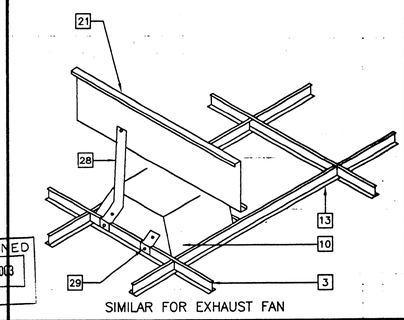
CBC 2001

20



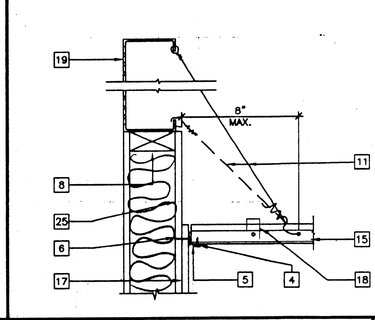
HVAC DUCTWORK MOUNTING

16



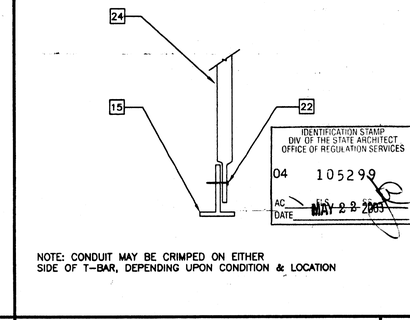
HVAC REGISTER MOUNTING

12



ALTERNATE FIXED SIDE

8



ALTERNATE COMPRESSION STRUT

4

KEY NOTES

1. HANGER WIRE AT 4'-0" OC IN PUNCHED OR DRILLED HOLE
2. SPLAY BRACE WIRE TO RUN IN SAME PLANE AS RUNNERS AT MAX 45° FROM CEILING PLANE
3. MAIN RUNNER
4. 1/8" DIA POP RIVET TO EACH T-BAR
5. WALL ANGLE
6. 6d NAIL AT 16" OC AT WALL STUDS (WOOD STUDS) #8 STSMS AT 16" OC AT WALL STUDS (STEEL STUDS)
7. ANGLE WITH 1/8" DIA POP RIVET TO EACH T-BAR, NO CONNECTION TO WALL ANGLE
8. TOP PLATE
9. #10 STSMS AT 4' OC
10. HVAC REGISTER, 2'x2' TYPICAL
11. HANGER TO TOP LIP OF ROOF BEAM WHERE NO PURLIN ABOVE MAX SLOPE 1" IN 6", ALTERNATE: CONNECT TO BOTTOM LIP (DASHED) WHERE THERE IS INTERFERENCE WITH DUCTWORK
12. 26 GA CEILING MOUNT X 2"
13. CROSS TEE
14. HANGER WIRE AT THE END ON EACH RUNNER TO PURLIN MAX DISTANCE FROM WALL 8" OR 1/4 LENGTH OF END TEE RUNNER, WHICHEVER IS LESS, SEE 10/A2.04
15. MAIN RUNNERS OR CROSS TEES
16. #8 STSMS, (2) AT EACH END
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. ROOF BEAM
20. NO POP RIVETS
21. ROOF PURLIN
22. CRIMP CONDUIT AND ATTACH TO T-BAR GRID WITH (1) #8 TEKSCREW
23. CRIMP CONDUIT AND ATTACH TO PURLIN WITH (1) #8 TEKSCREW
24. 3/4" EMT CONDUIT
25. ~~FIBERGLASS BLANKET~~ INSULATION FOR FIRE BLOCK
26. RECESSED LIGHT FIXTURE
27. SLACK WIRES, TOTAL OF (2) LOCATED AT OPPOSITE CORNERS OF FIXTURE OR REGISTER
28. (2) 26 GA STRAPS, FASTEN WITH #8 STSMS (1) TO REGISTER AND (1) TO ROOF PURLIN OR ROOF BEAM
29. 24 GA REGISTER CLIP, FASTEN WITH #8 STSMS (1) TO CEILING GRID AND (1) TO REGISTER, (2) CLIPS AT EACH END
30. ROOF SHEATHING
31. (2) 26 GA. STRAPS, FASTEN w/#8 STSMS (1) TO REGISTER AND (1) TO ROOF PURLIN OR ROOF BEAM
32. TYPICAL WALL FRAMING
33. SIMPSON STRONG TILE LB26 FOR 2x6 OR LB24 FOR 2x4. ATTACH WITH MANUFACTURERS RECOMMENDED NAILING.
34. 2x4, AND 2x6 CEILING JOIST

Rafter/Truss size / Spacing	HemFir Stud	HemFir No 2	HemFir No 1	DFL Stud	DFL No. 2
2x4 12"oc	11'-3"	11'-7"	12'-2"	11'-10"	12'-5"
16"oc	10'-3"	10'-6"	11'-0"	10'-9"	11'-3"
24"oc	8'-11"	9'-2"	9'-8"	9'-5"	9'-10"
2x6 12"oc	17'-8"	18'-2"	19'-1"	18'-8"	19'-6"
16"oc	16'-1"	16'-6"	17'4"	16'-11"	17'-8"
24"oc	14'-1"	14'-5"	15'-2"	14'-9"	15'-6"

35. 2x6 – ATTACH TO WALL WITH (3) 16D BOX NAILS TYP.
36. DRY WALL SCREWS TYPICAL
37. 1/2" GYP. BOARD

NOTES

1. ALL HANGER, SPLAY BRACE & SLACK WIRES SHALL BE 12 GA WITH MIN 4 TIGHT TURNS WITHIN 1 1/2" MAX OF EACH END
2. FIRE BLOCKING TO BE PROVIDED AT CEILING LEVEL OF ALL WALLS. FIRE BLOCKING MAY BE OF WOOD, GYPSUM BOARD, CEMENT FIBER BOARD OR BATTS OR BLANKETS OF MINERAL OR GLASS FIBER INSULATION PER CBC SECTION 708.2.2.

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. C 46502 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. [illegible] No. C 2956 REN. 8-30-04 STATE OF CALIFORNIA

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

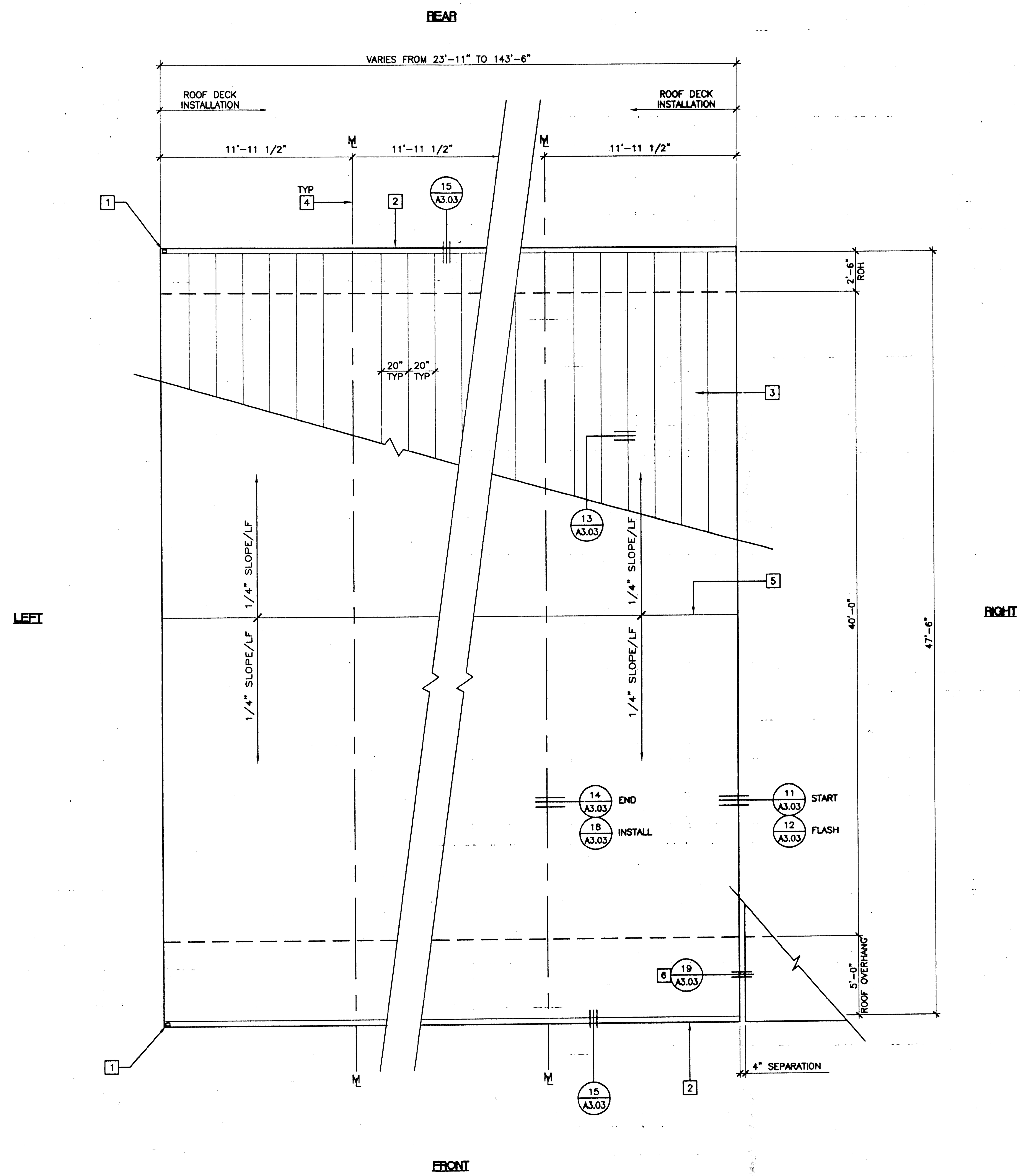
MODTECH Index No.

REFLECTED CEILING DETAILS

A2.04

PROJECT NO. PC-04-104801

FILE PATH: 2440-A2.04.DWG



ROOF PLAN

26 GA DUAL PITCH (23'-11" TO 143'-6")

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

KEY NOTES

1. DOWNSPOUT -16/A3.03
2. CONTINUOUS GUTTER 26 GA -15/A3.03
3. 26 GA MIN INTERLOCKING ROOF PANELS OVER AQUA BAR 15 (MHI) ROOFING UNDERLAYMENT (RADCO LISTING #1109) OVER 3/4" CDX PLYWOOD – CLASS A ROOFING SYSTEM OR ALTERNATE 3/4" LOUISIANA PACIFIC OSB (SEE SPECIFICATIONS)
4. MODLINE (M)
5. RIDGELINE
6. 4" SEPARATION AS REQUIRED PER FLOOR PLAN

NOTES

1. BUILDINGS HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 15A – CLASS A OR B.

FILE PATH: 2440-A3.01.DWG

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CBC 2001

REVISIONS

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

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

LICENSED ARCHITECT GEORGE C. EDWARDS C 2956 REN 9-30-03 STATE OF CALIFORNIA

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AC FLS SS
DATE 5/2/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

ROOF PLAN — 26 GA DUAL PITCH

DRAWN BY: STKP-70
DATE: 05-22-03
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DATE:

MODTECH Index No.
A3.01

PROJECT NO.
PC-04-104801

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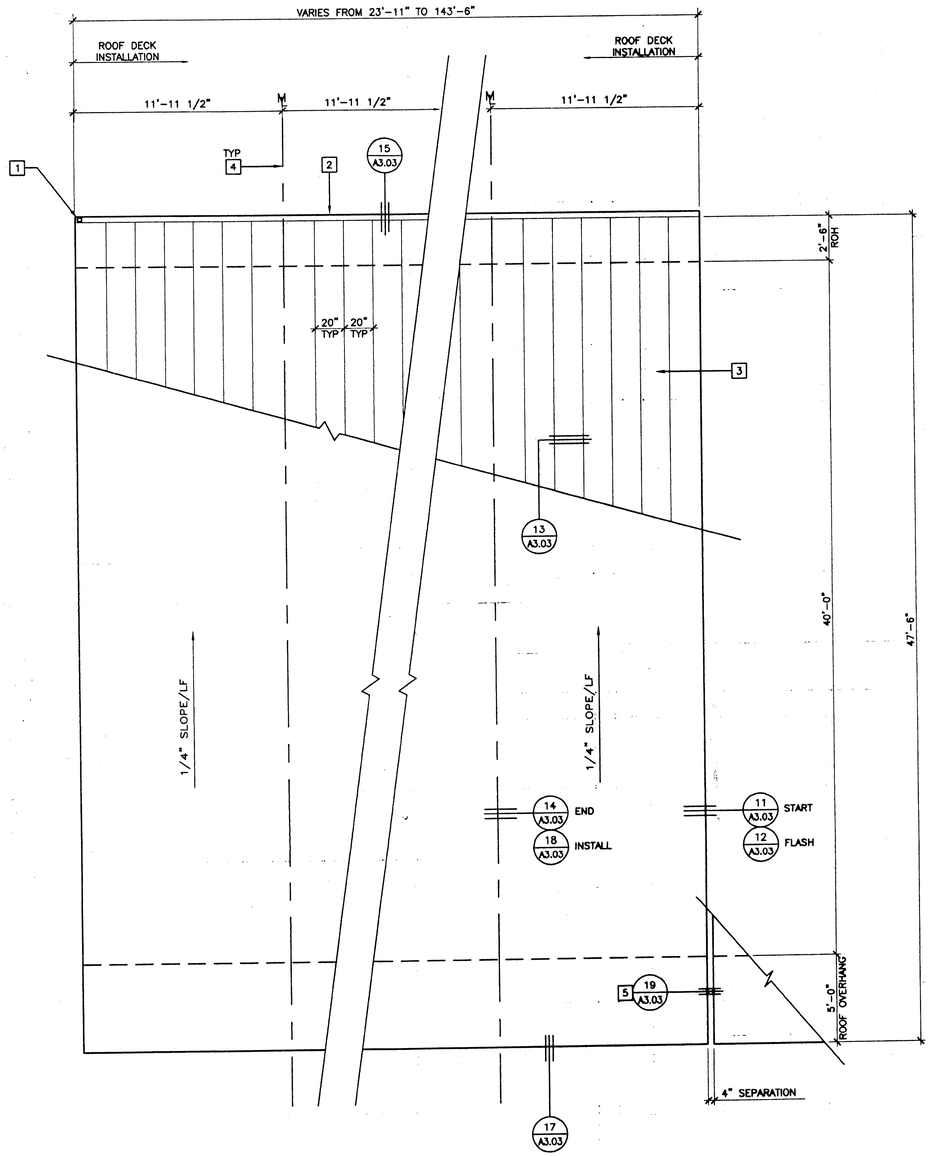

LEFT

RIGHT

FRONT

KEY NOTES

1. DOWNSPOUT -16/A3.03
2. CONTINUOUS GUTTER 26 GA -15/A3.03
3. 26 GA MIN INTERLOCKING ROOF PANELS OVER AQUA BAR 15 (MHI) ROOFING UNDERLAYMENT (RADCO LISTING #1109) OVER 3/4" CDX PLYWOOD - CLASS A ROOFING SYSTEM OR ALTERNATE 3/4" LOUISIANA PACIFIC OSB (SEE SPECIFICATIONS)
4. MODLINE (M)
5. 4" SEPARATION AS REQUIRED PER FLOOR PLAN

NOTES

1. BUILDINGS HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 15A - CLASS A OR B.

FILE PATH: 2440-A3.02.DWG

DATE SIGNED APR 10 2003

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CBC 2001

ROOF PLAN — 26 GA MONO PITCH (23'-11" TO 143'-6")
SCALE: 1/4" = 1'-0"

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DATE MAY 22 2003

REVISIONS

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. STAMPFLI No. 3602 STRUCTURAL
LICENSE EXPIRES 9-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS REN 9-30-03 STATE OF CALIFORNIA

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AC FLS 55
DATE 11/03

MODTECH INC.
2830 BARRETT AVENUE
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PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

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DATE: 05-22-03
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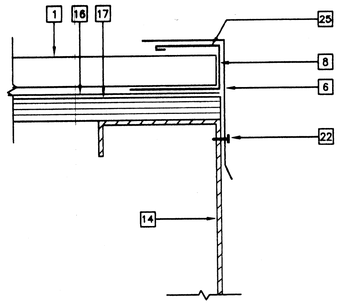
DATE:

MODTECH Index No.

ROOF PLAN — 26 GA MONO PITCH

A3.02

PROJECT NO. PC-04-104801



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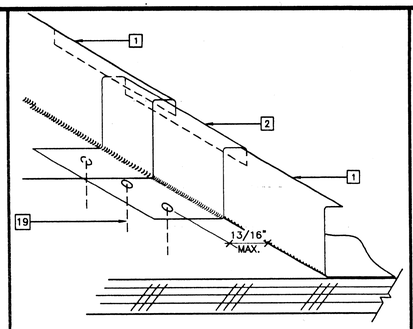
ROOF FLASHING AT HIGH SIDE | 17



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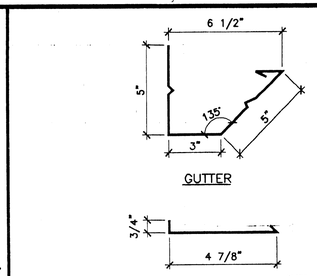
ROOF STANDING SEAM | 13



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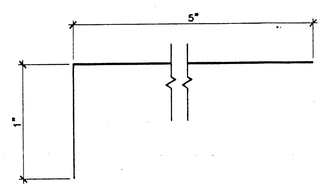
26 GA GUTTER AND GUTTER STRAP | 9



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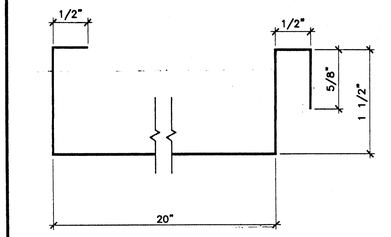
FLASHING AT MODLINE WALL | 5



26 GA STEEL G90LFQ

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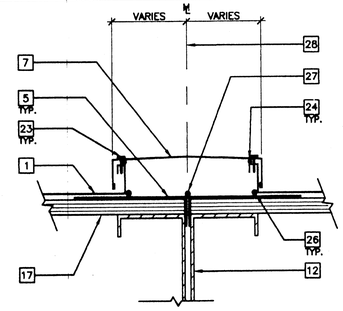
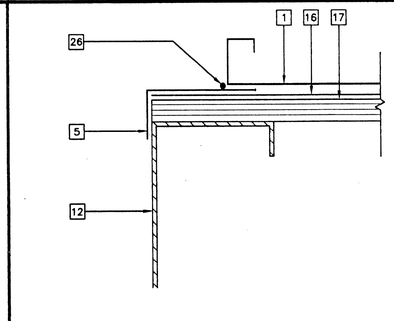
ROOF PAN | 1



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

MODLINE ROOF CAP | 18



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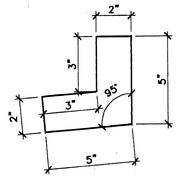
END ROOF PAN CONNECTION | 14



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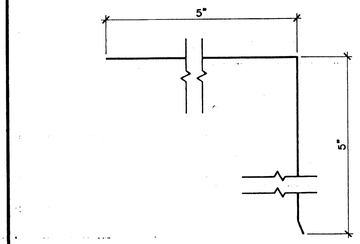
DOWNSPOUT AT BEND | 10



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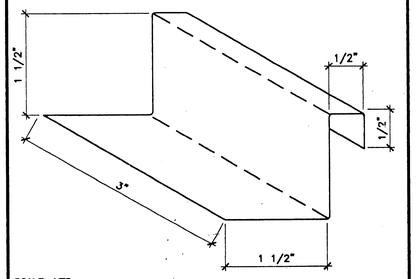
ROOF FLASHING AT HIGH SIDE | 6



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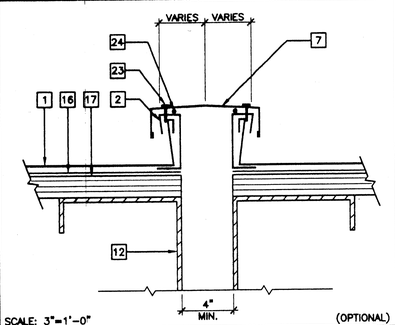
ROOF CLIP | 2



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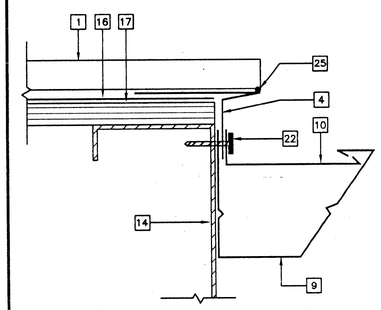
ROOF CAP AT 4" SEPARATION | 19



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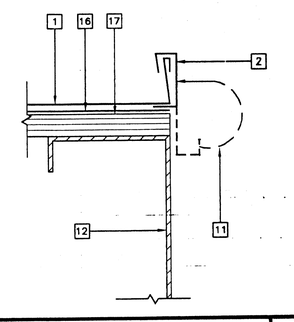
GUTTER AT ROOF FASCIA BEAM | 15



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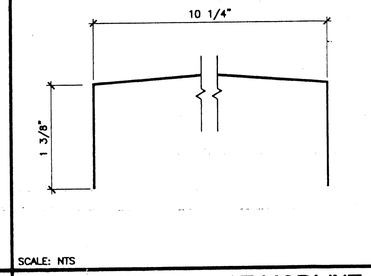
STARTER ROOF PAN CONNECTION | 11



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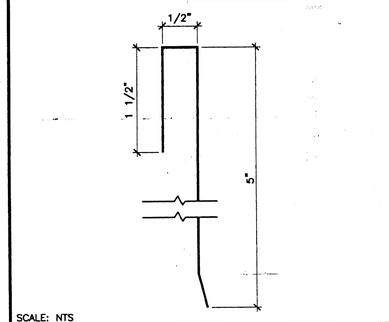
26 GA ROOF CAP AT MODLINE | 7



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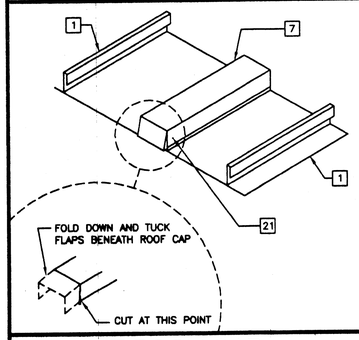
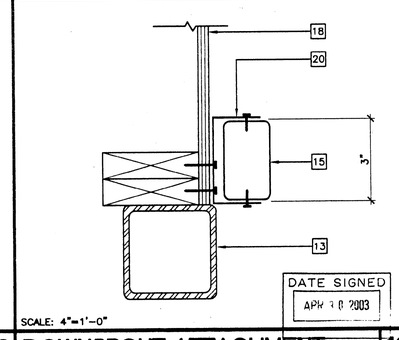
ROOF FLASHING AT SIDE WALL | 3



MODLINE ROOF CAP | 20



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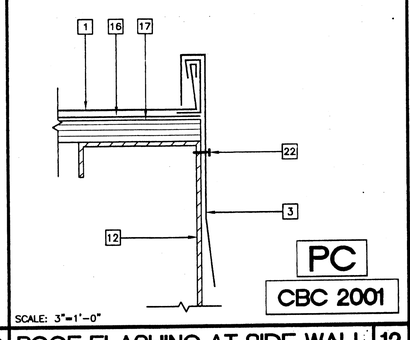
SCALE: 4"=1'-0"

DOWNSPOUT ATTACHMENT | 16



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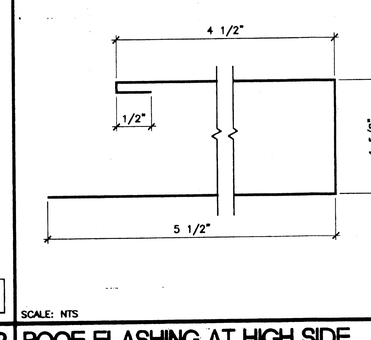
CBC 2001

SCALE: 3"=1'-0"

ROOF FLASHING AT SIDE WALL | 12



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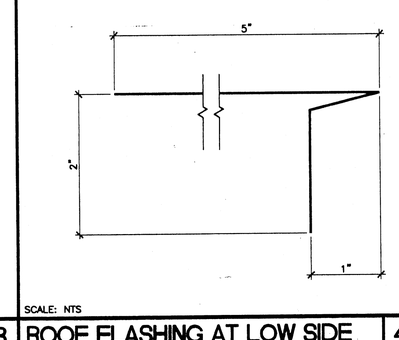
ROOF FLASHING AT HIGH SIDE | 8



SCALE: NTS

ROOF FLASHING AT LOW SIDE | 4

KEY NOTES

1. 26 GA STANDING SEAM ROOF PAN – 1/A3.03
2. 26 GA ROOF CLIP (AT 24" OC MAX AND 6" MAX FROM END OF ROOF) – 2/A3.03
3. 22 GA GALVANIZED IRON FLASHING AT SIDEWALL – 3/A3.03
4. 22 GA GALVANIZED IRON FLASHING AT LOW END OF ROOF – 4/A3.03
5. 22 GA GALVANIZED STEEL FLASHING AT MODLINE WALL – 5/A3.03
6. 22 GA GALVANIZED STEEL FLASHING AT HIGH END OF ROOF – 6/A3.03
7. 26 GA ROOF CAP AT MODLINE – 7/A3.03
8. 26 GA ROOF METAL FLASHING AT HIGH SIDE – 8/A3.03
9. 26 GA CONTINUOUS GUTTER – 9/A3.03
10. 26 GA GUTTER STRAP – 9/A3.03
11. ROOF CLIP MOUNTED UPSIDE–DOWN, BEND CLIP HEAD UP AND OVER ROOF PAN – 11/A3.03
12. ROOF BEAM (STR)
13. COLUMN (STR)
14. ROOF FASCIA (STR)
15. DOWN SPOUT
16. WEATHER PROOF MEMBRANE (25–30 LBS ASPHALT COATED)
17. PLYWOOD ROOF SHEATHING (STR)
18. TYPICAL EXTERIOR FINISH (FIN)
19. (3) .080 x 1 1/2" SHANK NAILS – ROOF CLIP TO ROOF DECKING
20. DOWNSPOUT BRACKET TYPICAL (3) PLACES, TOP, BOTTOM AND MIDSPAN – ATTACH TO SIDING W/(2) #10 STSMS AND DOWNSPOUT W/(2) #10 STSMS.
21. #10 STSMS WITH NEOPRENE WASHERS AT EACH SIDE
22. #10 STSMS WITH NEOPRENE WASHER AT 24" OC
23. #10 STSMS WITH NEOPRENE WASHERS AT 36" OC ON "WET" SIDE OF SEALANT
24. 1/4" BEAD OF SEALANT ALONG ENTIRE LENGTH OF BOTH MODLINE RIBS
25. SEALANT AT END OF ROOF PAN
26. CONTINUOUS BEAD OF SEALANT AT JOINT BETWEEN MODLINE FLASHING AND END PAN AND AT EACH END PAN ROOF CLIP
27. CONTINUOUS SEALANT AT MODLINE JOINT
28. MODLINE (hd)

FILE PATH: 2440–A3.03.DWG

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AC FLS SS
DATE MAY 22 2003

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 24402 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. ERVIN No. C 2956 REN. 8-30-03 STATE OF CALIFORNIA

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DATE 3/1/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

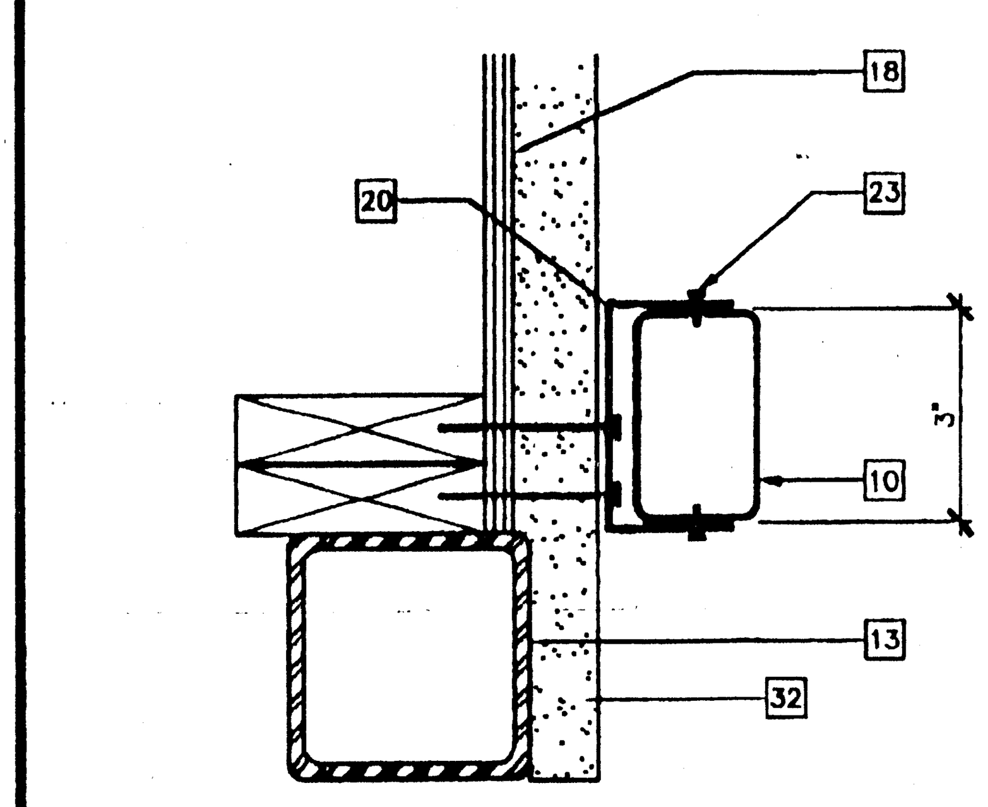
MODTECH Index No.

ROOF DETAILS

26 GA

A3.03

PROJECT NO. PC–04–104801



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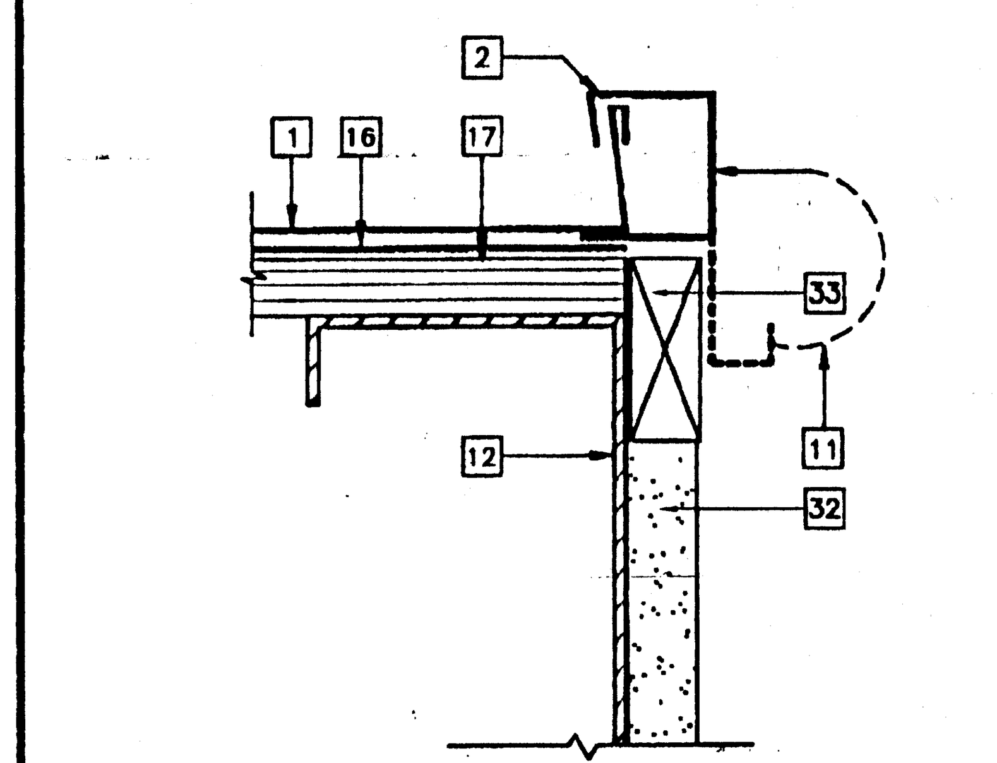

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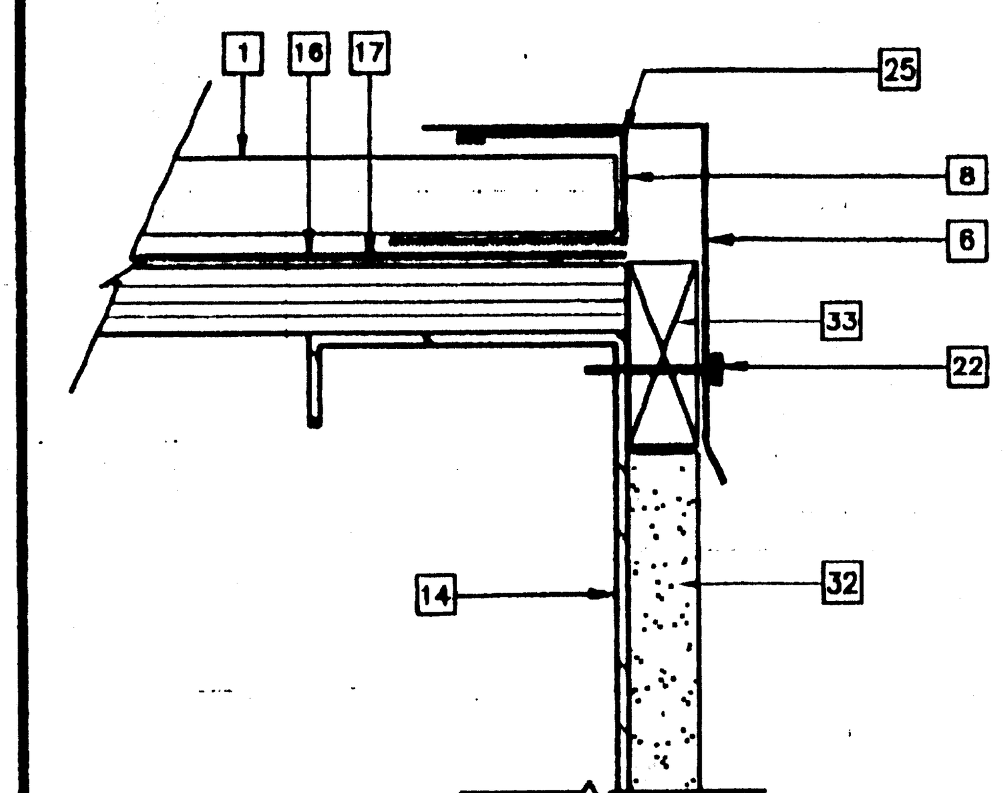
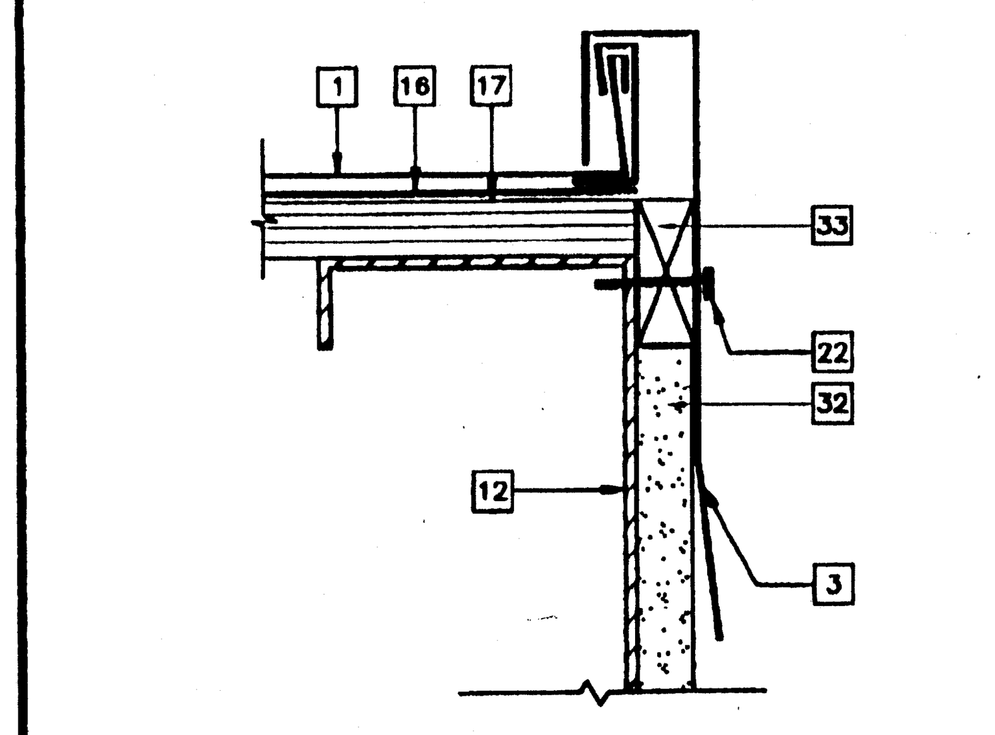
17 | 13 | 9

DOWNSPOUT ATTACHMENT 5

STARTER ROOF PAN CONNECTION 1



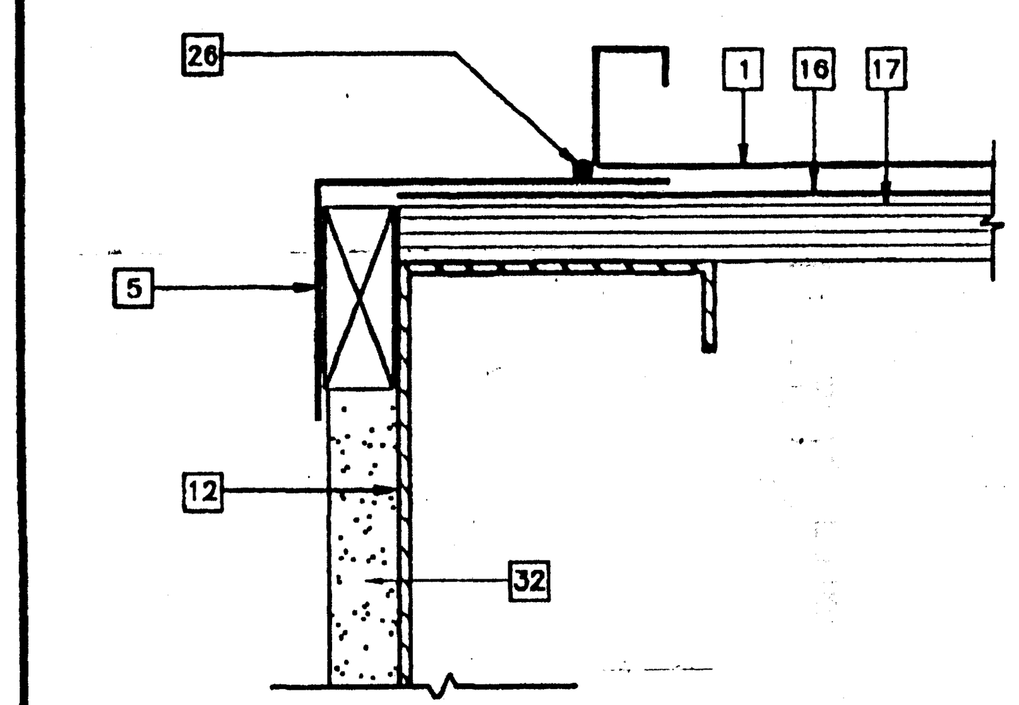


SCALE: 3" = 1'-0"

18 | 14 | 10

ROOF FLASHING AT HIGH SIDE 6

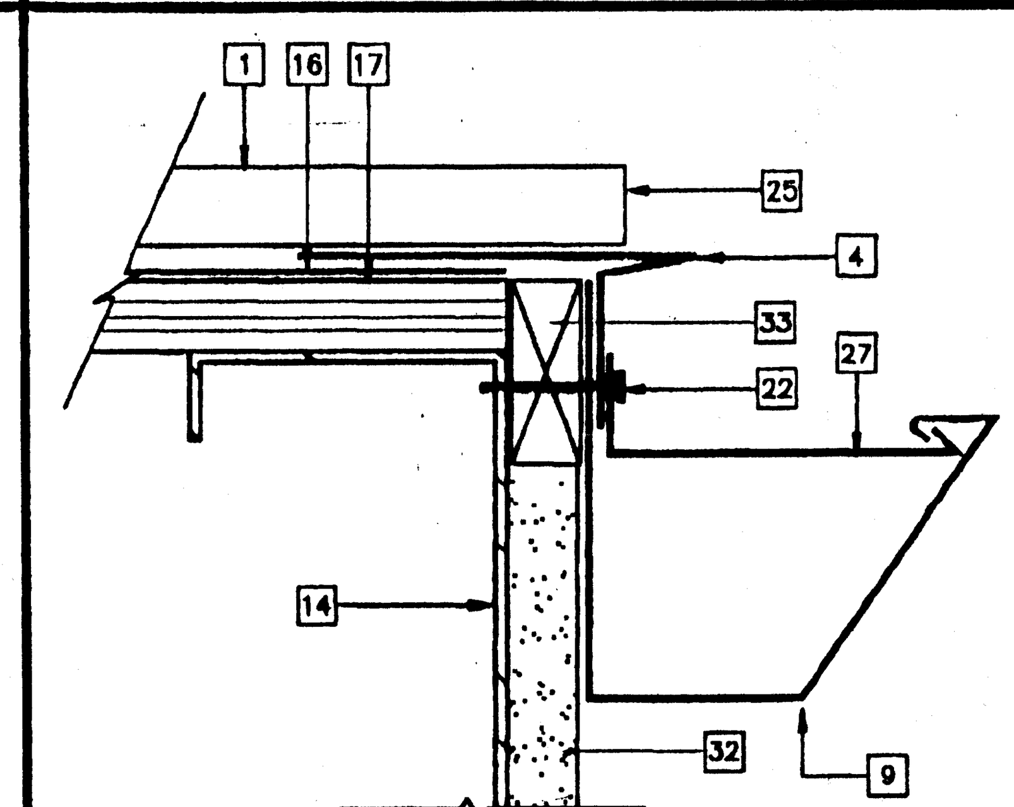
ROOF FLASHING AT SIDE WALL 2



SCALE: NTS

19 | 15 | 11 | 7

END ROOF PAN CONNECTION 3



SCALE: 3" = 1'-0"

DATE SIGNED
APR 30 2003

PC
CBC 2001

20 | 16 | 12 | 8

GUTTER AT ROOF FASCIA BEAM 4

KEY NOTES

1. 26 GA STANDING SEAM ROOF PAN – 1/A3.03
2. 26 GA ROOF CLIP – 2/A3.03 – AT 24" OC MAX AND 6" MAX FROM END OF ROOF
3. 22 GA GALVANIZED IRON FLASHING AT SIDEWALL 3/A3.03
4. 22 GA GALVANIZED IRON FLASHING AT LOW END OF ROOF – 4/A3.03
5. 22 GA GALVANIZED STEEL FLASHING AT MODLINE WALL – 5/A3.03
6. 22 GA GALVANIZED STEEL FLASHING AT HIGH END OF ROOF – 6/A3.03
7.
8. 26 GA FLASHING AT HIGH SIDE – 8/A3.03
9. 26 GA CONTINUOUS GUTTER – 9/A3.03
10. DOWN SPOUT
11. ROOF CLIP MOUNTED UPSIDE-DOWN, BEND CLIP HEAD UP AND OVER ROOF PAN
12. ROOF BEAM (STR)
13. COLUMN
14. ROOF FASCIA (STR)
15. NOT USED
16. WEATHER PROOF MEMBRANE (25–30 LBS ASPHALT COATED)
17. PLYWOOD ROOF SHEATHING (STR)
18. TYPICAL EXTERIOR FINISH
19. NOT USED
20. ATTACHMENT BRACKET TYPICAL (3) PLACES, TOP, BOTTOM AND MIDSPAN – ATTACH TO SIDING WITH (2) #10 STSMS
21. NOT USED
22. #10 STSMS WITH NEOPRENE WASHER AT 24" OC
23. TWO FASTENERS AT EACH SIDE OF BRACKET
24. 1/4" BEAD OF SEALANT ALONG ENTIRE LENGTH OF BOTH MODLINE RIBS
25. SEALANT AT END OF SEAM
26. CONTINUOUS BEAD OF SEALANT AT JOINT BETWEEN MODLINE FLASHING AND END PAN AND AT EACH END PAN ROOF CLIP
27. GUTTER STRAP – 9/A3.03
28. NOT USED
29. NOT USED
30. NOT USED
31. NOT USED
32. 7/8" STUCCO
33. 1"x2" STUCCO STOP

FILE PATH: 2440–A3.04.DWG

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003

REVISIONS			Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal	Identification Stamp
1					LICENSE EXPIRES 6-30-2004	LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2956 REN. 9-30-03 STATE OF CALIFORNIA	DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104801 DATE 5/12/03
2							
3							
4							
5							

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

ROOF DETAILS

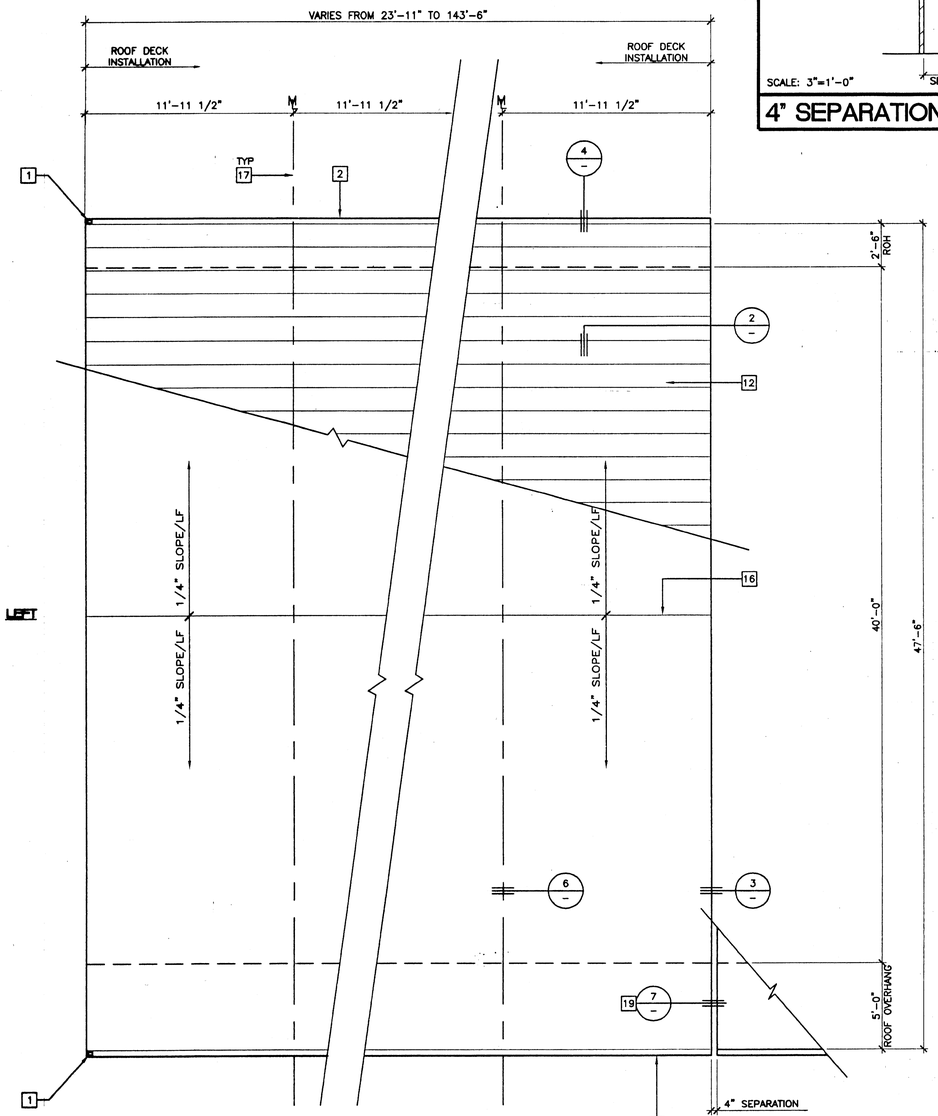
MISCELLANEOUS OPTIONS

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.
A3.04

PROJECT NO. PC–04–104801

REAR



LEFT

RIGHT

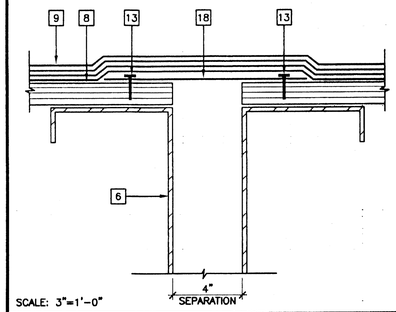
FRONT

ROOF PLAN

BUILT UP DUAL PITCH (23'-11" TO 143'-6")
SCALE: 1/4" = 1'-0"

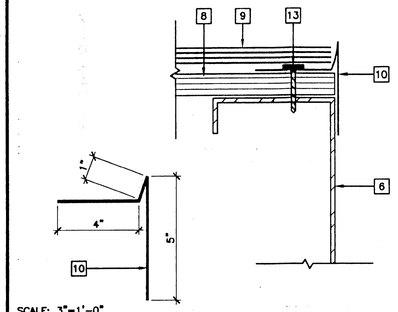
DATE SIGNED APR 08 2003

PC
CBC 2001



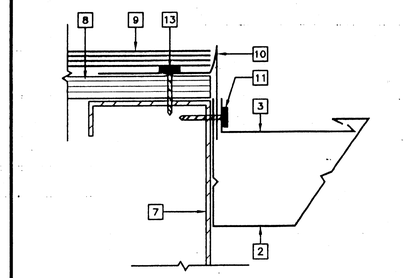
SCALE: 3"=1'-0"

4" SEPARATION AT ROOF 7



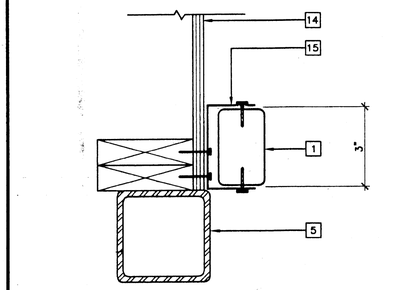
SCALE: 3"=1'-0"

FLASHING AT SIDEWALL 3



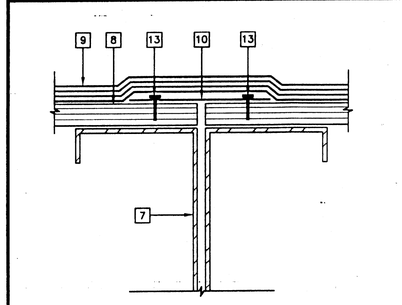
SCALE: 3"=1'-0"

GUTTER AT ROOF FASCIA 4



SCALE: 4"=1'-0"

DOWNSPOUT ATTACHMENT 5



SCALE: 3"=1'-0"

26 GA RIDGE AT MODLINE 6

MANVILLE ROOFING SYSTEM

FOUR PLY MINERAL SURFACE FIBER GLASS BUILT UP ROOF

SPECIFICATION NUMBER: 4 G N C
FOR USE OVER PLYWOOD OR OTHER NAILABLE DECKS ON INCLINES OF 1/4" TO 6" PER FOOT. FOR REGIONS 2 AND 3.

M.01 GENERAL

THIS SPECIFICATION IS FOR USE OVER ANY TYPE OF STRUCTURAL DECK (WITHOUT INSULATION) WHICH CAN RECEIVE AND ADEQUATELY RETAIN NAILS OR OTHER TYPES OF MECHANICAL FASTENERS AS MAY BE RECOMMENDED BY THE DECK MANUFACTURER. EXAMPLES OF SUCH DECKS ARE WOOD AND PLYWOOD. THIS SPECIFICATION IS NOT FOR USE OVER LIGHT WEIGHT INSULATING CONCRETE DECKS EITHER POURED OR PRECAST OR OVER FILL MADE OF LIGHT WEIGHT INSULATING CONCRETE.

NOTE: ALL GENERAL INSTRUCTIONS CONTAINED IN THE CURRENT MANVILLE ROOFING SYSTEMS MANUAL SHALL BE CONSIDERED PART OF THIS SPECIFICATION.

FLASHINGS: SEE SECTION ON BUR FLASHINGS, MANVILLE ROOFING MANUAL.

M.02 MATERIALS PER 100 SF OF ROOF AREA

SHEATHING PAPER	WOOD BOARD DECKS ONLY	1 LAYER
FELTS	GLASBASE OR VENTILATION FELT	1 LAYER
	GLASPLY PREMIER OR GLASPLY IV*	1 LAYER
	GLASKAP MINERAL SURFACED CAP SHEET	1 LAYER

BITUMEN: REFER TO PARAGRAPH 7.7 OR 11.0.3.2 APPROX. INSTALLED WEIGHT (lbs.) 209 PRIOR TO APPLICATION, CUT THE CAP SHEET INTO HANDLEABLE LENGTHS (12'-18') AND ALLOW TO FLATTEN.

M.03 APPLICATION OF ROOFING

OVER WOOD BOARD DECKS ONE PLY OF SHEATHING PAPER MUST BE USED UNDER THE BASE FELT NEXT TO THE DECK USING GLASBASE, START WITH A 12" WIDTH. FOLLOWING FELTS TO BE APPLIED FULL WIDTH, LAPPING EACH FELT 2" OVER THE PRECEDING ONE. NAIL THE LAPS AT 9" CENTER AND DOWN THE LONGITUDINAL CENTER OF EACH FELT NAIL TWO ROWS OF NAILS SPACED APPROXIMATELY 11" APART AND NAILS STAGGERED ON APPROXIMATELY 18" CENTERS. USE NAILS OR FASTENERS APPROPRIATE TO THE TYPE OF DECK. SEE FASTENER DATA IN GENERAL INSTRUCTIONS STARTING AT THE LOW EDGE APPLY ON 18" WIDE, THEN OVER THAT ONE A FULL 36" WIDE GLASPLY PREMIER OR GLASPLY IV*. FOLLOWING FELTS ARE TO BE APPLIED FULL WIDTH OVERLAPPING THE PRECEDING FELT 19" IN SUCH A MANNER THAT AT LEAST 2 PLIES OF FELT COVER THE BASE FELT AT ALL LOCATIONS. INSTALL EACH FELT SO THAT IT SHALL BE FIRMLY AND UNIFORMLY SET, WITHOUT VOIDS, INTO THE HOT (AT EVT) ASPHALT APPLIED JUST BEFORE THE FELT AT A NOMINAL UNIFORM RATE OF 23 LBS PER SQ OVER THE ENTIRE SURFACE. STARTING AT THE LOW EDGE APPLY ONE LAYER OF THE CAP SHEET, BEING SURE TO MAINTAIN 2" SIDE LAPS AND 6" END LAPS OVER THE PRECEDING SHEETS. BACK-MOP THE CAP SHEET AND FLOP IT INTO A FULL WIDTH MOPPING OF ASPHALT (30-40 LBS PER SQ TOTAL). THE TEMPERATURE OF THE ASPHALT WHEN APPLIED MUST BE SUCH THAT, WHEN THE CAP SHEET IS SET INTO IT, ITS TEMPERATURE IS APPROXIMATELY 20°F ABOVE THE EVT. THIS WILL ASSURE PROPER FLUXING OF THE CAP SHEET COATING AND RESULT IN MAXIMUM BONDING. THE CAP SHEET MUST BE FIRMLY AND UNIFORMLY SET INTO THE HOT ASPHALT WITH ALL EDGES WELL SEALED. FOR SLOPES GREATER THAN 1" PER FOOT NAILING IS REQUIRED, REFER TO PARAGRAPH 11.06. GLASPLY PREMIER REQUIRED FOR NO DOLLAR LIMIT (NDL) GUARANTEES.

U.L. Classifications

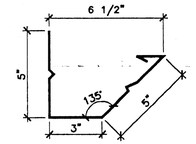
MAX. SLOPE 1" DECK: NONCOMBUST. AND COMBUST. INSULATION: NONE SURFACING: CAP SHEET
CLASS B (SEE CLASS A)
CLASS C (SEE CLASS A AND B)
CLASS A

KEY NOTES

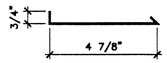
1. DOWNSPOUT – 5/A3.21
2. 26GA CONTINUOUS GUTTER – 4/A3.21
3. 26GA GUTTER STRAP – 1/A3.21
4. ALTERNATE DOWNSPOUT LOCATIONS
5. COLUMN (STR)
6. ROOF BEAM (STR)
7. ROOF FASCIA (STR)
8. ROOF SHEATHING
9. BUILT UP ROOF FELTS
10. 26 GA METAL ROOF FLASHING
11. #10 STSMS WITH NEOPRENE WASHER AT 24" OC
12. 4 GNC BUILT-UP ROOFING (OPTIONAL) OVER 3/4" CDX PLYWOOD. OR ALTERNATE 3/4" LOUISIANA PACIFIC OSB (SEE SPECIFICATIONS) CLASS A ROOFING SYSTEM
13. #10x1 1/4" SELF TAPPING FLAT HEAD SCREWS AT 18" OC OR ALTERNATE USE AEROSMITH BZH 144.0175 DRIVE PINS AT 18" OC
14. TYPICAL EXTERIOR FINISH (FIN)
15. DOWNSPOUT BRACKET TYPICAL (3) PLACES, TOP, BOTTOM AND MIDSPAN – ATTACH TO SIDING W/(2) #10 STSMS AND DOWNSPOUT W/(2) #10 STSMS.
16. RIDGELINE
17. MODLINE (M)
18. 20 GA. FLASHING
19. 4" SEPARATION AS REQUIRED PER FLOOR PLAN

NOTES

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



GUTTER

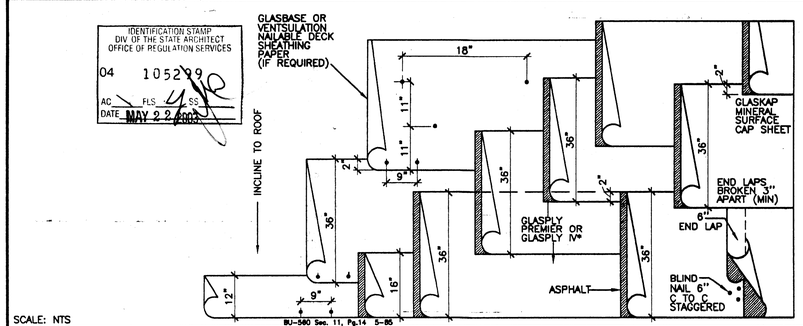


GUTTER STRAP

SCALE: 3"=1'-0"

26 GA GUTTER AND GUTTER STRAP 1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003



SCALE: NTS

ROOFING LAYOUT PATTERN 2

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER GEORGE T. STRICKLAND STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. ENRIQUEZ No. C-2956 REN. 9-30-04 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

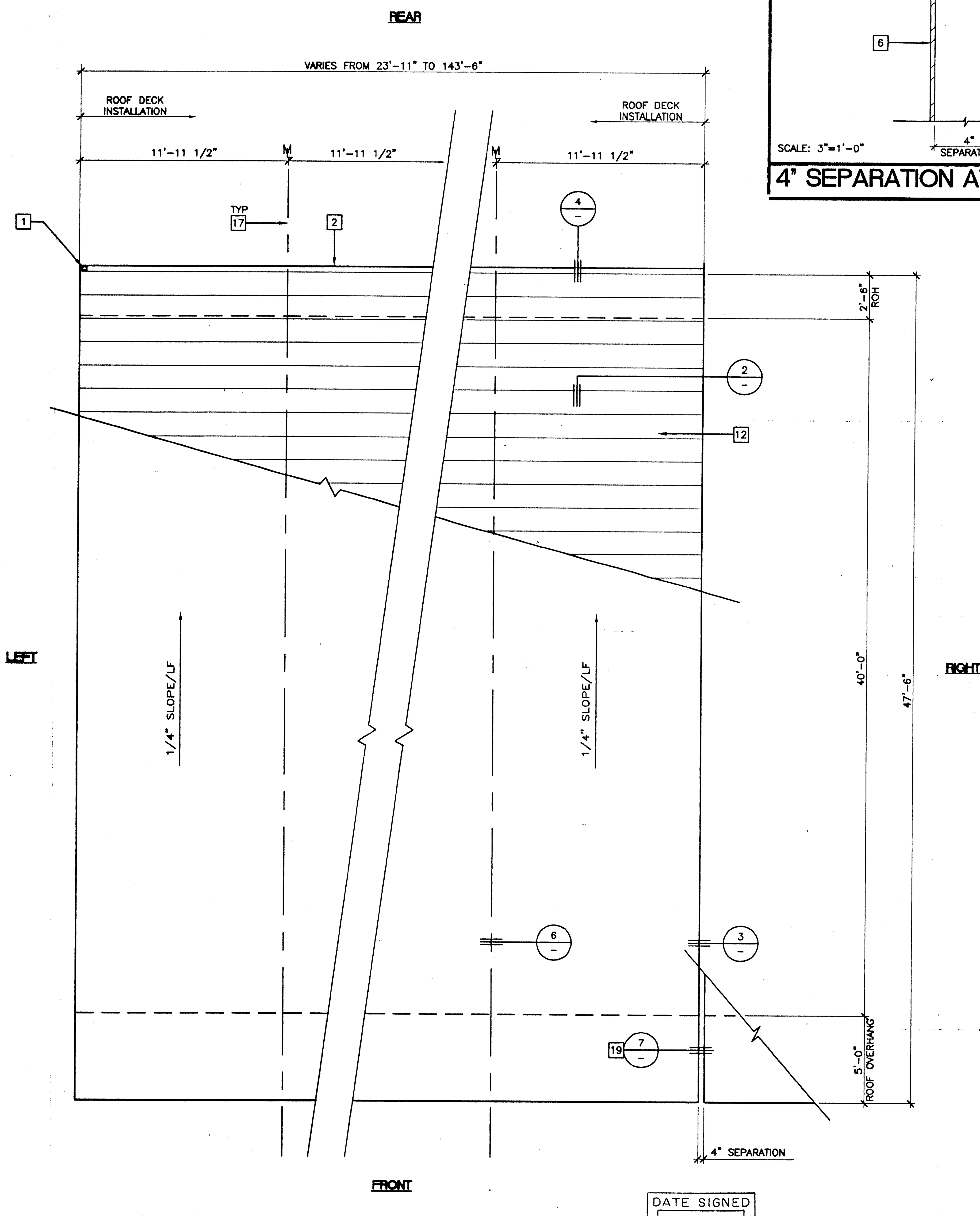
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

ROOF PLAN BUILT UP ROOF – DUAL PITCH A3.21

FILE PATH: 2440-A3.21.DWG

PROJECT NO. PC-04-104801

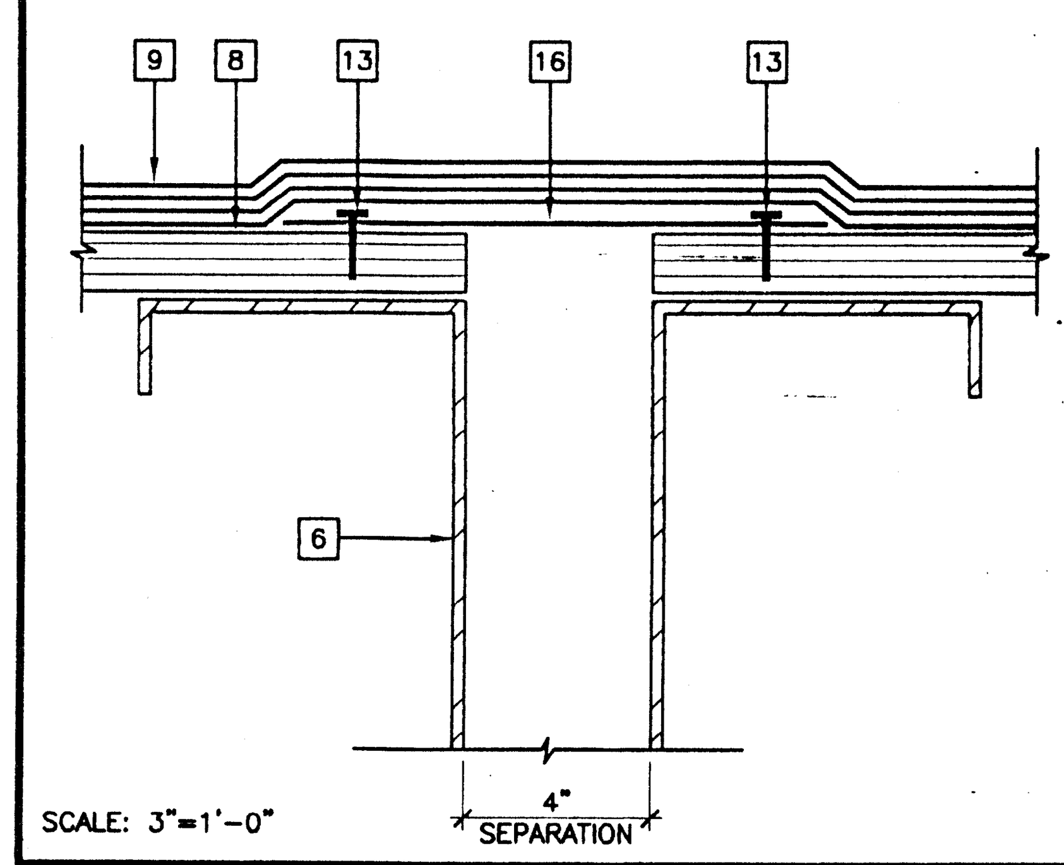


DATE SIGNED
APR 16 2003

ROOF PLAN

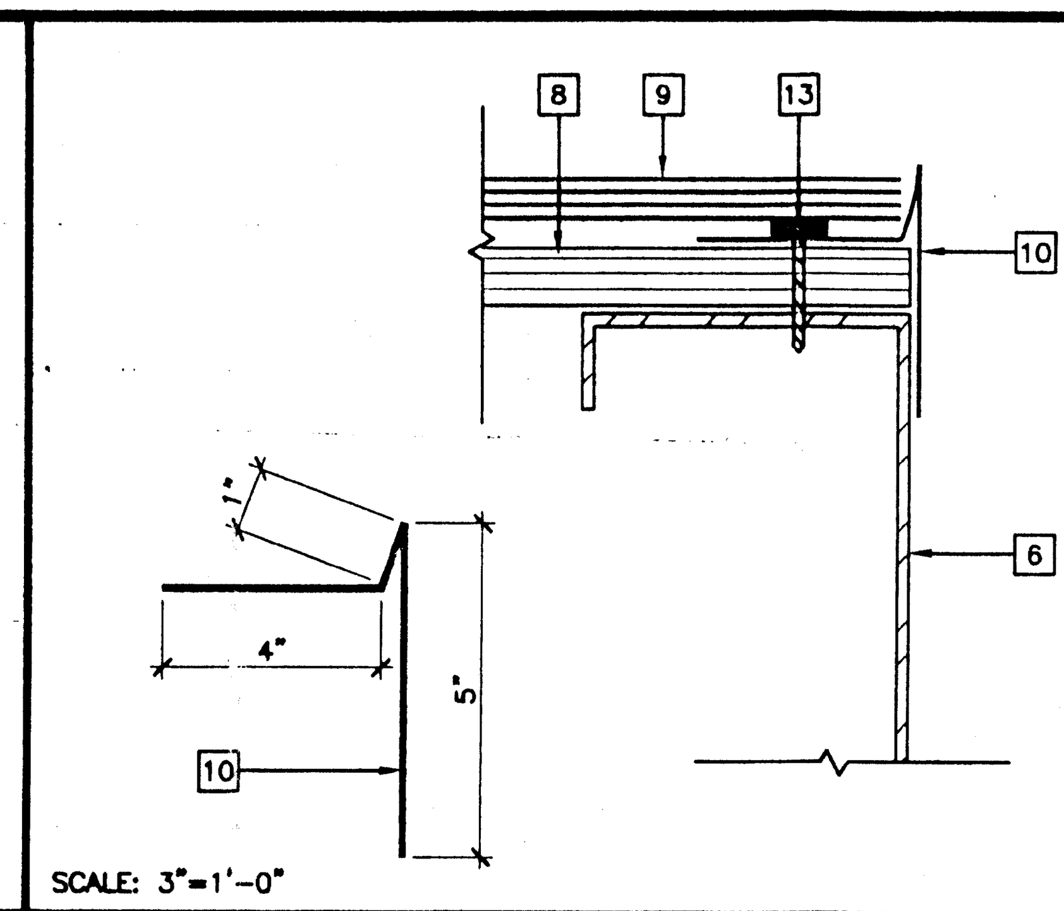
BUILT UP MONO PITCH (23'-11" TO 143'-6")
SCALE: 1/4" = 1'-0"

PC
CBC 2001



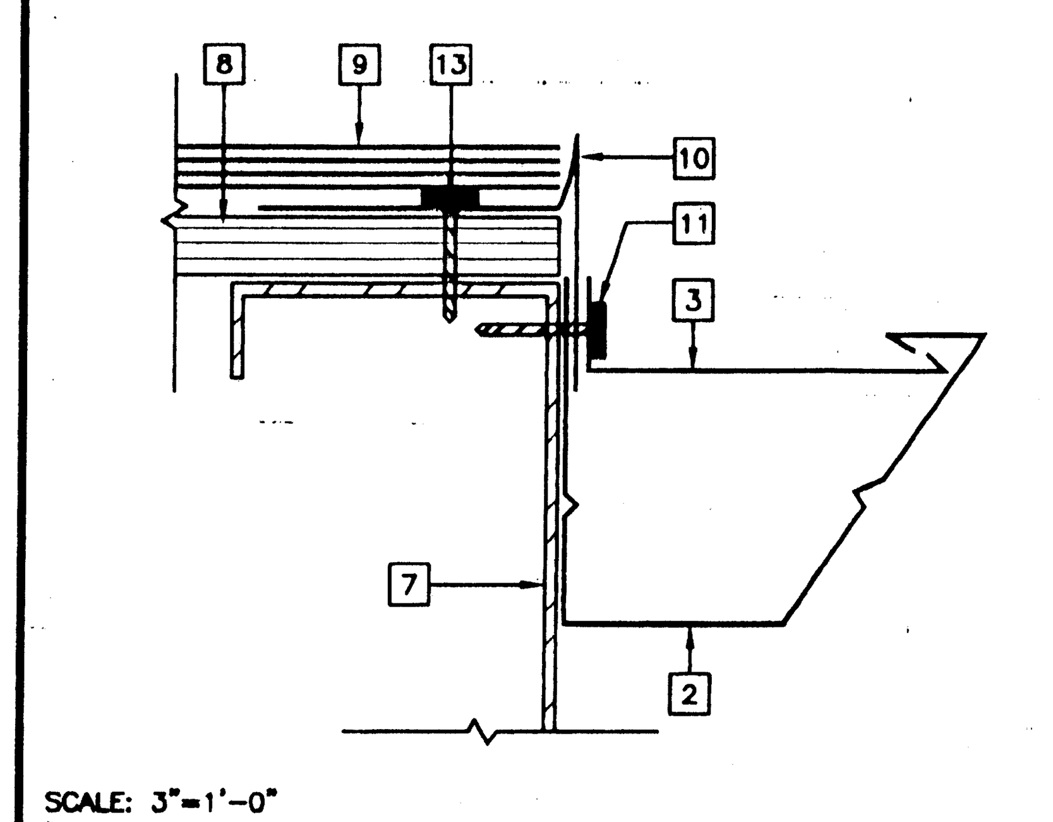
SCALE: 3"=1'-0"

4" SEPARATION AT ROOF 7



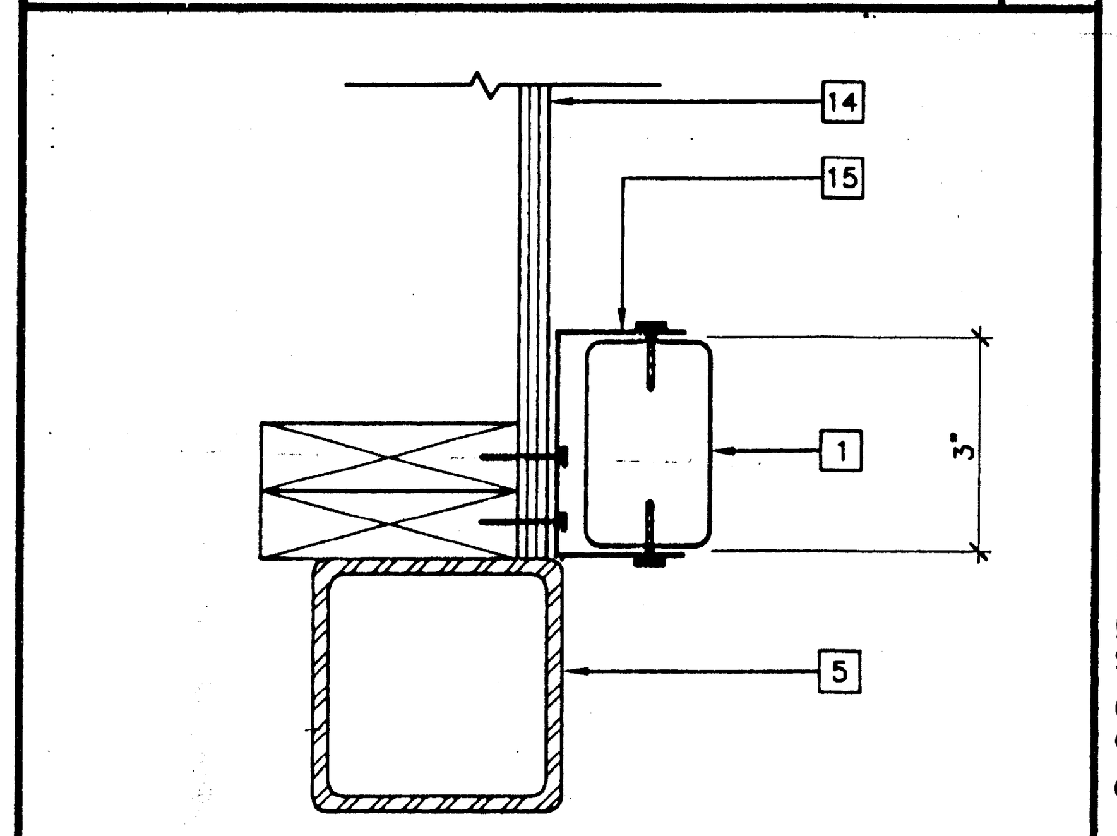
SCALE: 3"=1'-0"

FLASHING AT SIDEWALL 3



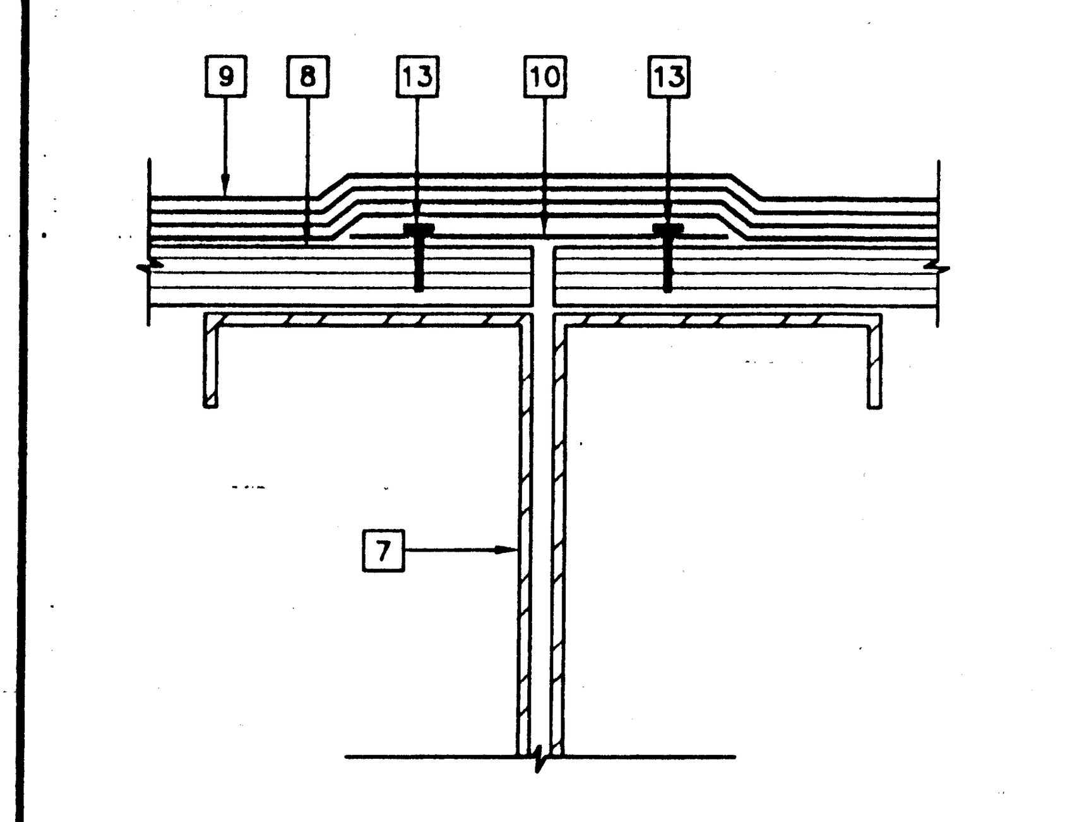
SCALE: 3"=1'-0"

GUTTER AT ROOF FASCIA 4



SCALE: 4"=1'-0"

DOWNSPOUT ATTACHMENT 5



SCALE: 3"=1'-0"

26 GA RIDGE AT MODLINE 6

MANVILLE ROOFING SYSTEM

FOUR PLY MINERAL SURFACE FIBER GLASS BUILT UP ROOF

SPECIFICATION NUMBER: 4 G N C
FOR USE OVER PLYWOOD OR OTHER NAILABLE DECKS ON INCLINES OF 1/4" TO 6" PER FOOT. FOR REGIONS 2 AND 3.

M.01 GENERAL

THIS SPECIFICATION IS FOR USE OVER ANY TYPE OF STRUCTURAL DECK (WITHOUT INSULATION) WHICH CAN RECEIVE AND ADEQUATELY RETAIN NAILS OR OTHER TYPES OF MECHANICAL FASTENERS AS MAY BE RECOMMENDED BY THE DECK MANUFACTURER. EXAMPLES OF SUCH DECKS ARE WOOD AND PLYWOOD. THIS SPECIFICATION IS NOT FOR USE OVER LIGHT WEIGHT INSULATING CONCRETE DECKS EITHER POURED OR PRECAST OR OVER FILL MADE OF LIGHT WEIGHT INSULATING CONCRETE.

NOTE: ALL GENERAL INSTRUCTIONS CONTAINED IN THE CURRENT MANVILLE ROOFING SYSTEMS MANUAL SHALL BE CONSIDERED PART OF THIS SPECIFICATION.

FLASHINGS: SEE SECTION ON BUR FLASHINGS, MANVILLE ROOFING MANUAL.

M.02 MATERIALS PER 100 SF OF ROOF AREA

SHEATHING PAPER	WOOD BOARD DECKS ONLY	1 LAYER
FELTS	GLASBASE OR VENTILATION FELT	1 LAYER
	GLASPLY PREMIER OR GLASPLY IV*	1 LAYER
	GLASKAP MINERAL SURFACED CAP SHEET	1 LAYER

BITUMEN: REFER TO PARAGRAPH 7.7 OR 11.0.3.2 APPROX. INSTALLED WEIGHT (lbs.) 209 PRIOR TO APPLICATION, CUT THE CAP SHEET INTO HANDLEABLE LENGTHS (12'-18') AND ALLOW TO FLATTEN.

M.03 APPLICATION OF ROOFING

OVER WOOD BOARD DECKS ONE PLY OF SHEATHING PAPER MUST BE USED UNDER THE BASE FELT NEXT TO THE DECK USING GLASBASE, START WITH A 12" WIDTH. FOLLOWING FELTS TO BE APPLIED FULL WIDTH, LAPPING EACH FELT 2' OVER THE PRECEDING ONE. NAIL THE LAPS AT 9" CENTER AND DOWN THE LONGITUDINAL CENTER OF EACH FELT NAIL TWO ROWS OF NAILS SPACED APPROXIMATELY 11" APART AND NAILS STAGGERED ON APPROXIMATELY 18" CENTERS. USE NAILS OR FASTENERS APPROPRIATE TO THE TYPE OF DECK. SEE FASTENER DATA IN GENERAL INSTRUCTIONS STARTING AT THE LOW EDGE APPLY ON 18" WIDE, THEN OVER THAT ONE A FULL 36" WIDE GLASPLY PREMIER OR GLASPLY IV*. FOLLOWING FELTS ARE TO BE APPLIED FULL WIDTH OVERLAPPING THE PRECEDING FELT 19" IN SUCH A MANNER THAT AT LEAST 2 PLIES OF FELT COVER THE BASE FELT AT ALL LOCATIONS. INSTALL EACH FELT SO THAT IT SHALL BE FIRMLY AND UNIFORMLY SET, WITHOUT VOIDS, INTO THE HOT (AT EVT) ASPHALT APPLIED JUST BEFORE THE FELT AT A NOMINAL UNIFORM RATE OF 23 LBS PER SQ OVER THE ENTIRE SURFACE. STARTING AT THE LOW EDGE APPLY ONE LAYER OF THE CAP SHEET, BEING SURE TO MAINTAIN 2" SIDE LAPS AND 6" END LAPS OVER THE PRECEDING SHEETS. BACK-MOP THE CAP SHEET AND FLOP IT INTO A FULL WIDTH MOPPING OF ASPHALT (30-40 LBS PER SQ TOTAL). THE TEMPERATURE OF THE ASPHALT WHEN APPLIED MUST BE SUCH THAT, WHEN THE CAP SHEET IS SET INTO IT, ITS TEMPERATURE IS APPROXIMATELY 20°F ABOVE THE EVT. THIS WILL ASSURE PROPER FLUXING OF THE CAP SHEET COATING AND RESULT IN MAXIMUM BONDING. THE CAP SHEET MUST BE FIRMLY AND UNIFORMLY SET INTO THE HOT ASPHALT WITH ALL EDGES WELL SEALED. FOR SLOPES GREATER THAN 1" PER FOOT NAILING IS REQUIRED, REFER TO PARAGRAPH 11.06. GLASPLY PREMIER REQUIRED FOR NO DOLLAR LIMIT (NDL) GUARANTEES.

U.L. Classifications

MAX. SLOPE 1" DECK: NONCOMBUST. AND COMBUST. INSULATION: NONE
SURFACING: CAP SHEET

CLASS B (SEE CLASS A)
CLASS C (SEE CLASS A AND B)
CLASS A

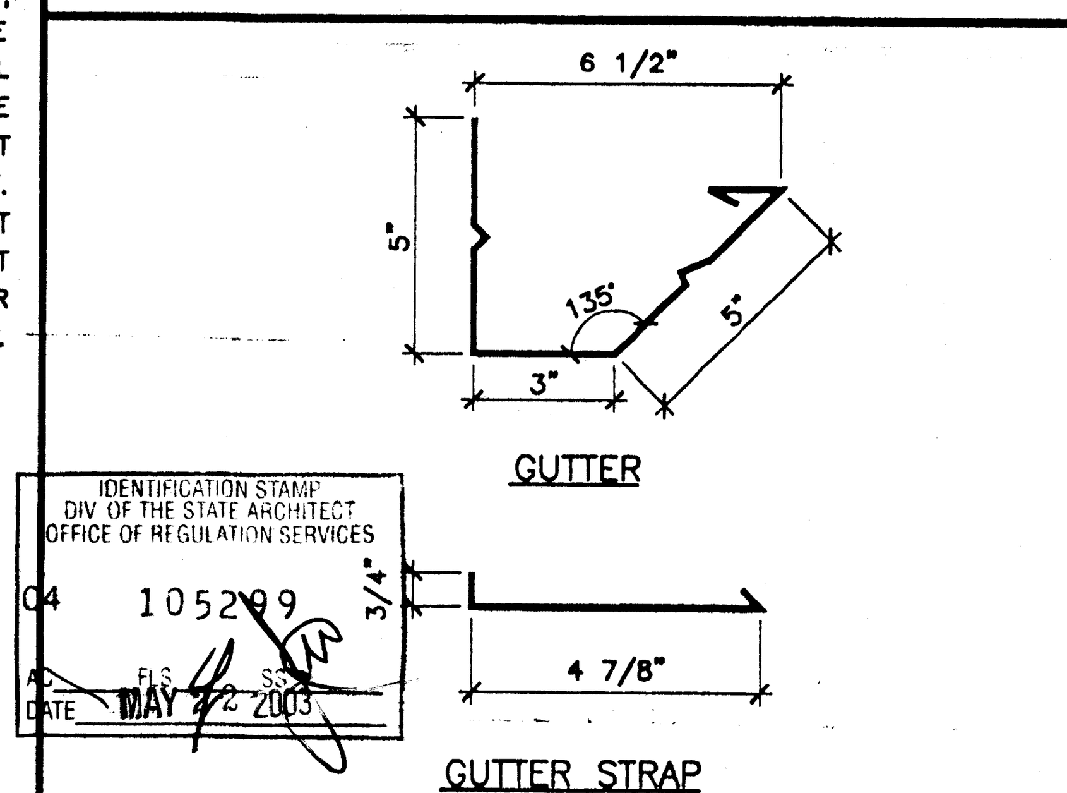
KEY NOTES

1. DOWNSPOUT – 5/A3.22
2. 26GA CONTINUOUS GUTTER – 4/A3.22
3. 26GA GUTTER STRAP – 1/A3.22
4. ALTERNATE DOWNSPOUT LOCATIONS
5. COLUMN (STR)
6. ROOF BEAM (STR)
7. ROOF FASCIA (STR)
8. ROOF SHEATHING
9. BUILT UP ROOF FELTS
10. 26 GA METAL ROOF FLASHING
11. #10 STSMS WITH NEOPRENE WASHER AT 24" OC
12. 4 GNC BUILT-UP ROOFING (OPTIONAL) OVER 3/4" CDX PLYWOOD. OR ALTERNATE 3/4" LOUISIANA PACIFIC OSB (SEE SPECIFICATIONS) CLASS A ROOFING SYSTEM
13. #10x1 1/4" SELF TAPPING FLAT HEAD SCREWS AT 18" OC OR ALTERNATE USE AEROSMITH BZH 144.0175 DRIVE PINS AT 18" OC
14. TYPICAL EXTERIOR FINISH (FIN)
15. DOWNSPOUT BRACKET TYPICAL (3) PLACES, TOP, BOTTOM AND MIDSPAN – ATTACH TO SIDING W/(2) #10 STSMS AND DOWNSPOUT W/(2) #10 STSMS.
16. 20 GA. FLASHING
17. MODLINE (M)
18. 20 GA. FLASHING
19. 4" SEPARATION AS REQUIRED PER FLOOR PLAN

FILE PATH: 2440-A3.22.DWG

NOTES

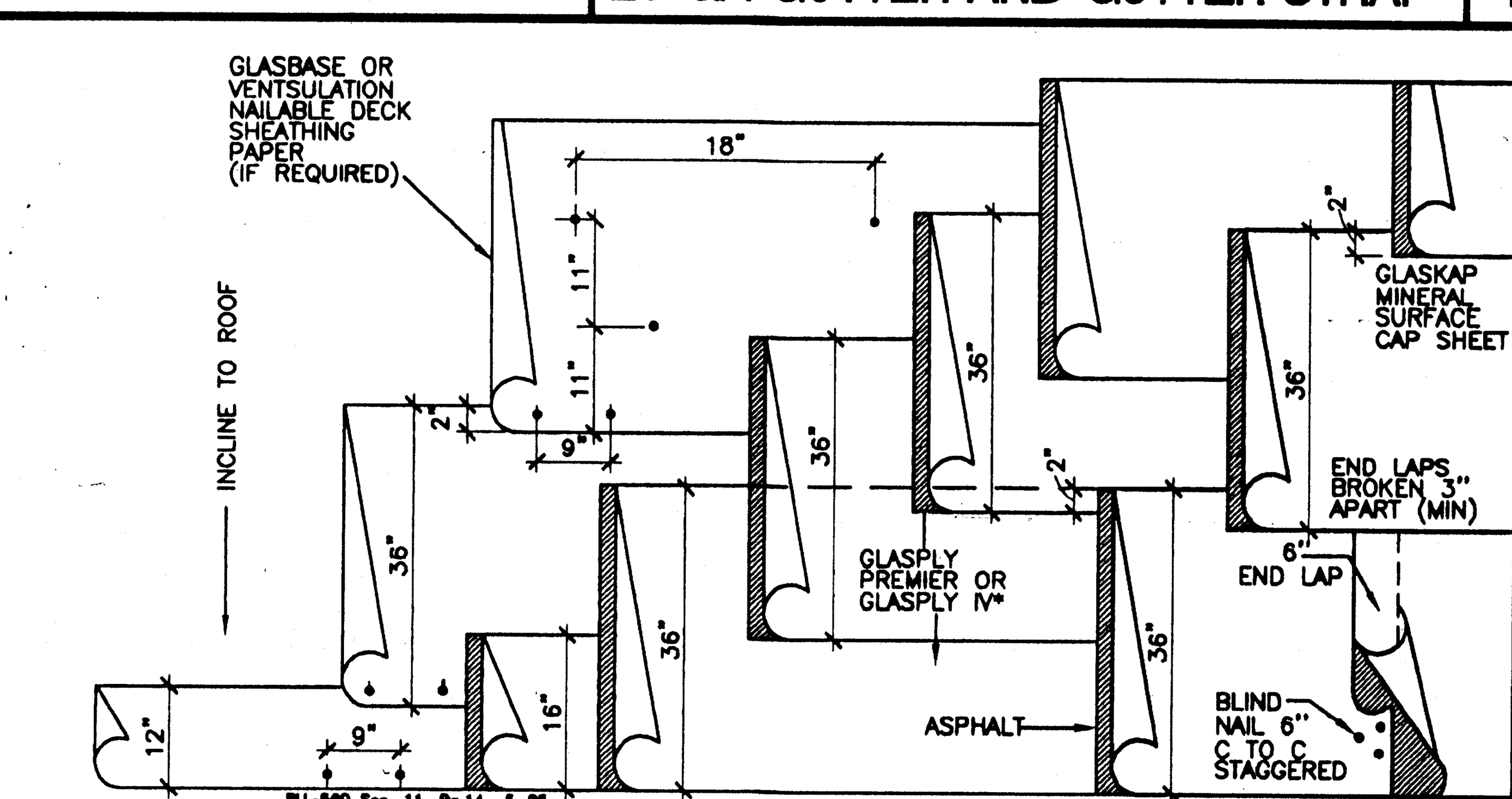
1. BUILDINGS HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A C.B.C. CLASS A OR B.



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105289
DATE MAY 22 2003

SCALE: 3"=1'-0"

26 GA GUTTER AND GUTTER STRAP 1



SCALE: NTS

ROOFING LAYOUT PATTERN 2

REVISIONS		
1		
2		
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Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSE EXPIRES 6-30-2004

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
104801
DATE 5/12/03

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

PROJECT NUMBER:

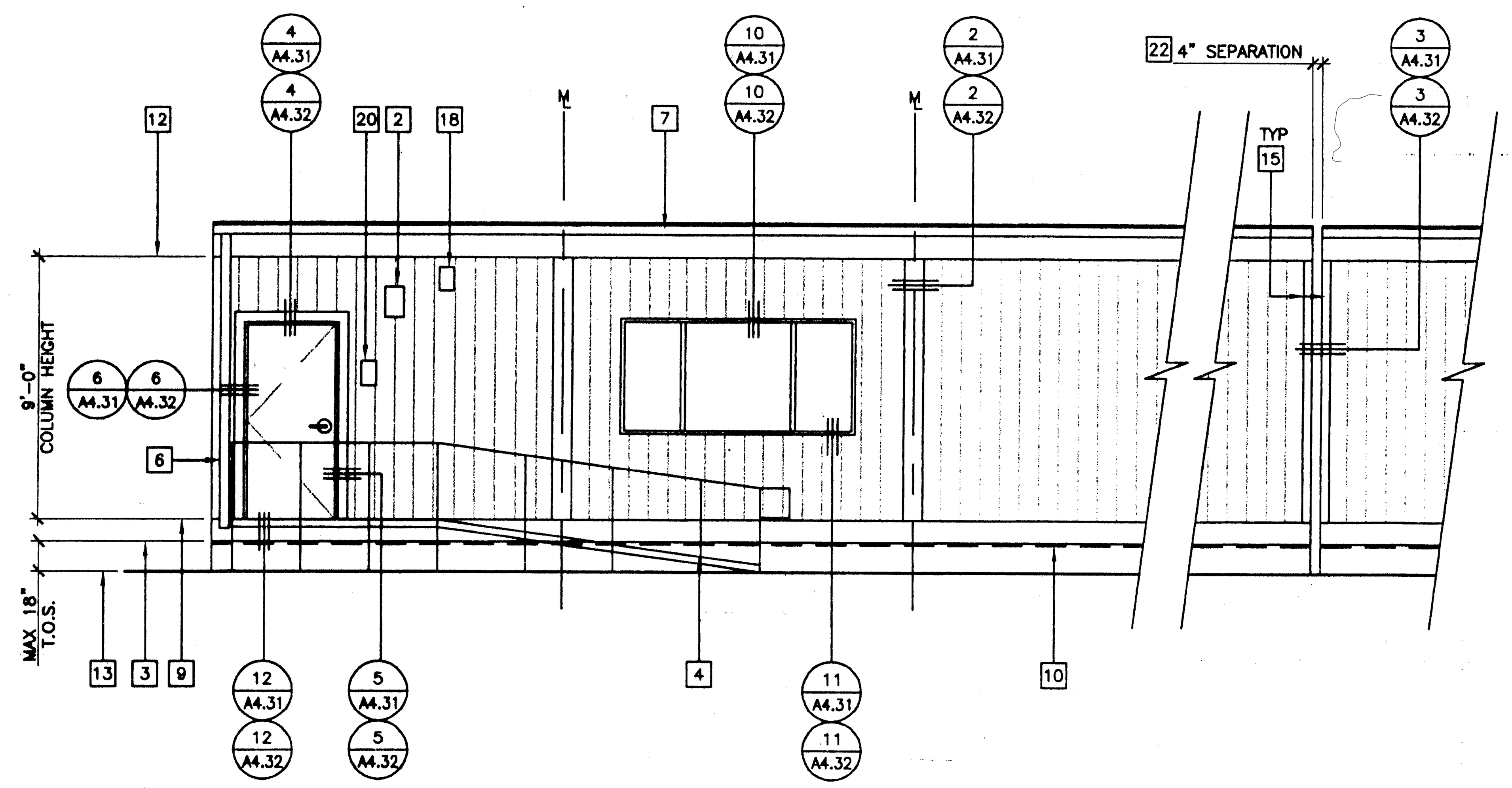
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

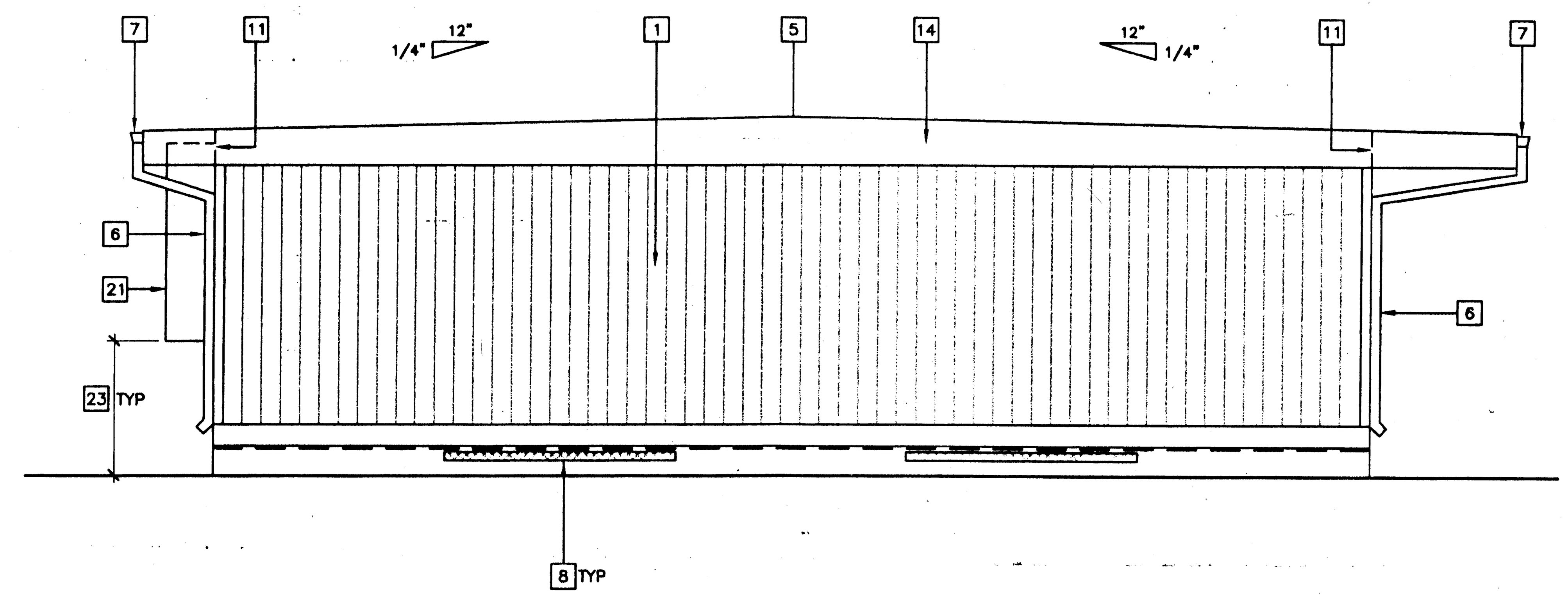
MODTECH Index No.
A3.22

ROOF PLAN
BUILT UP ROOF – MONO PITCH

PROJECT NO.
PC-04-104801



① FRONT ELEVATION



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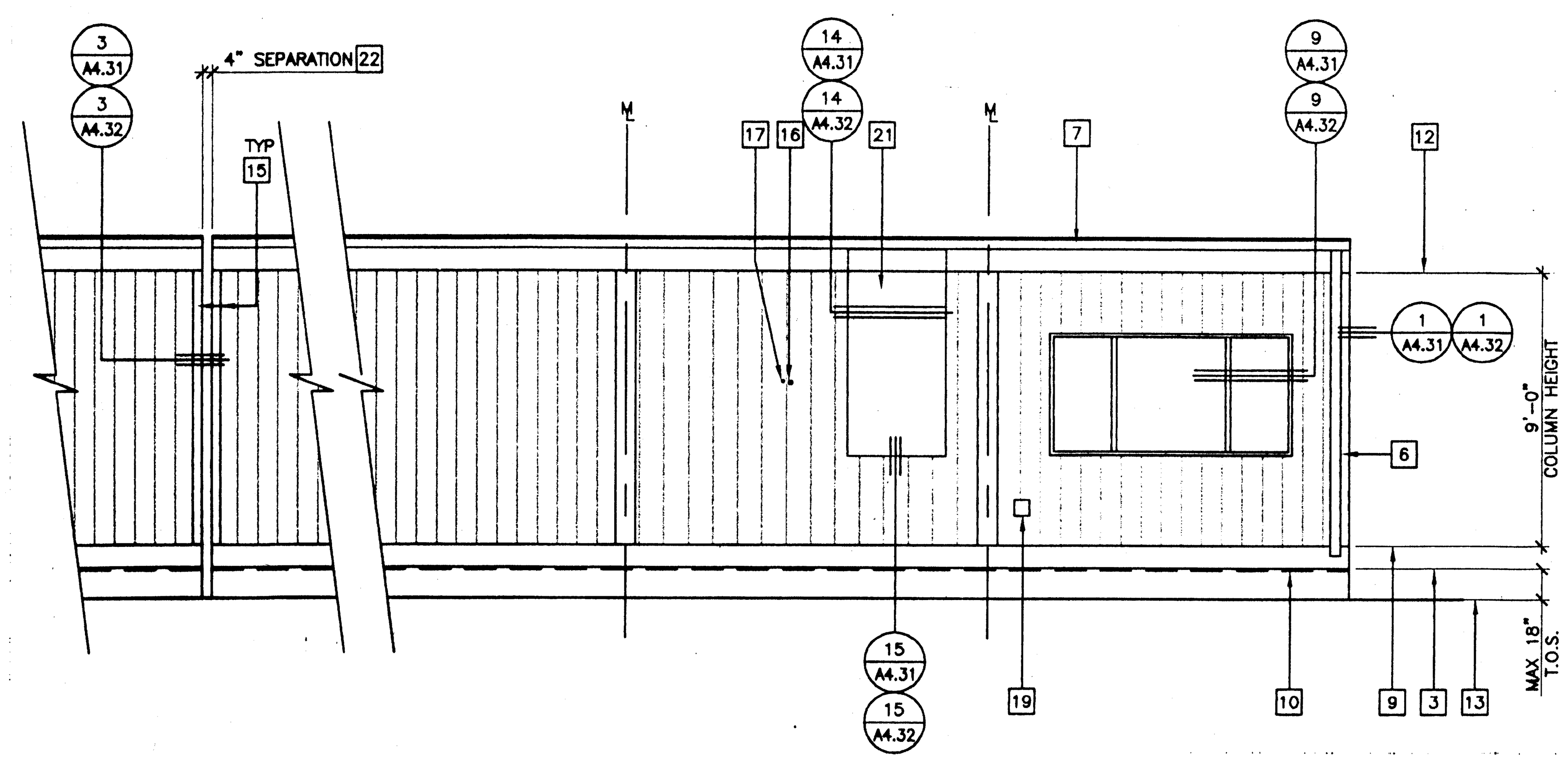

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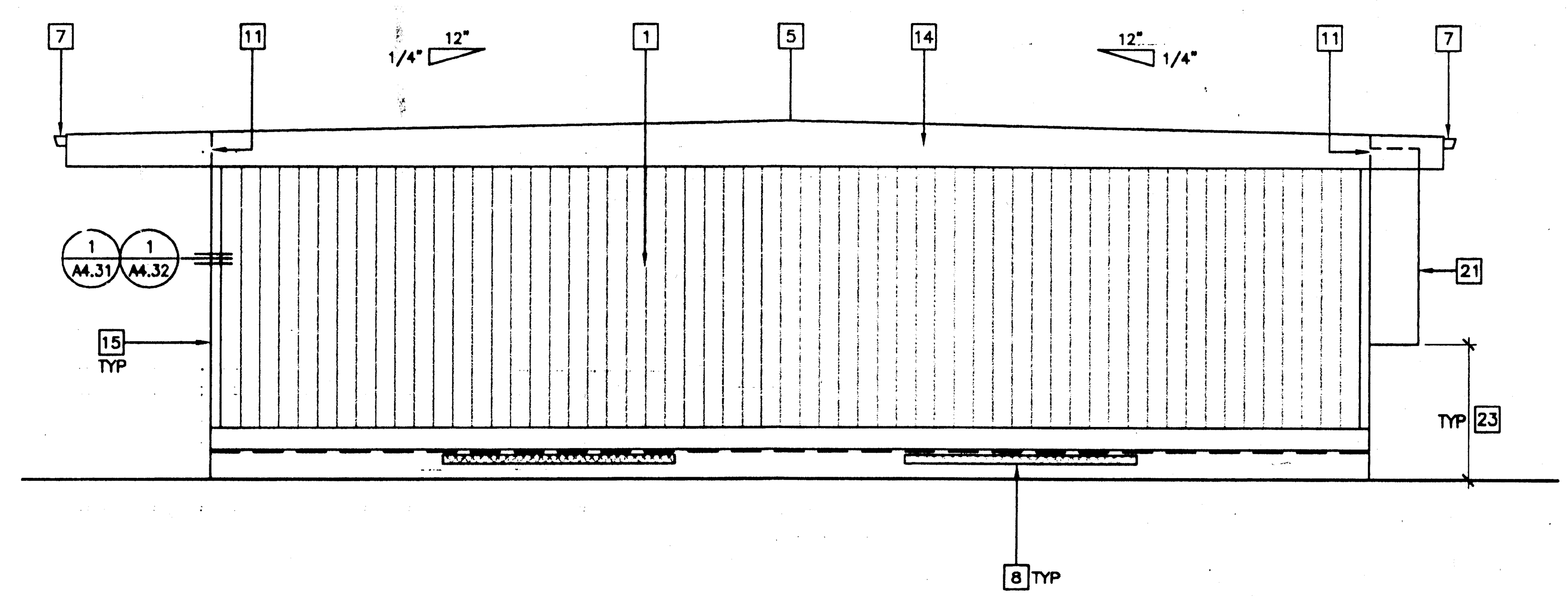


④ RIGHT SIDE ELEVATION

KEY NOTES

1. TYPICAL EXTERIOR FINISH (SEE EXTERIOR FINISH SCHEDULE BELOW)
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING (T.O.S.)
4. RAMP AND LANDING. SEE SHEETS R1 THRU R4 (RAMP)
5. RIDGE
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN – A2)
8. FOUNDATION VENT (SEE FOUNDATION PLAN – F1)
9. FINISH FLOOR LINE
10. FLOOR BEAM (STR)
11. ROOF HEADER (STR)
12. TOP OF COLUMN
13. FINISH GRADE
14. ROOF BEAM (STR)
15. COLUMN (STR)
16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.01
21. HVAC UNIT (HV)
22. 4" SEPARATION AS REQUIRED PER FLOOR PLAN
23. 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

EXTERIOR FINISH SCHEDULE

NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH OPTIONS.

STANDARD – 5/8" PLYWOOD SIDING

OPTIONAL – 5/16" GROOVED FIBER CEMENT BOARD

OPTIONAL – 5/16" FIBER CEMENT BOARD WITH TEXTURED ELASTOMERIC COATING SYSTEM

FILE PATH: 2440-A4.01.DWG

EXTERIOR ELEVATIONS

26GA/DUAL PITCH
SCALE: 1/4" = 1'-0"

DATE SIGNED
APR 30 2003

PC
CBC 2001

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003

4012-125

PROJECT NO.

REVISIONS

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

LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2956 REN 9-30-03 STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2004

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 5/2/03

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

PROJECT NUMBER:

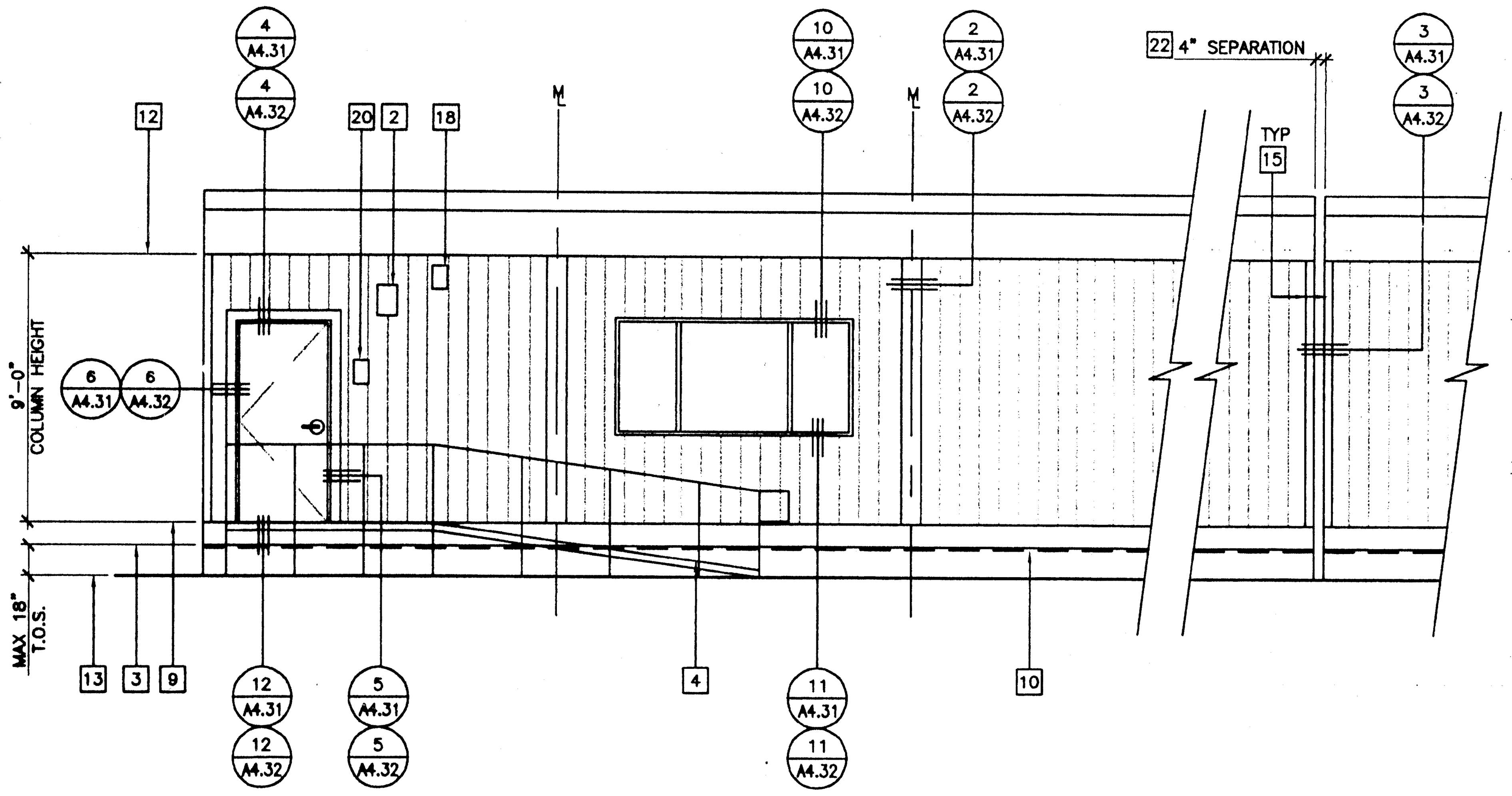
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:
MODTECH Index No.

EXTERIOR ELEVATIONS 26 GA DUAL PITCH

A4.01

PC-04-104801



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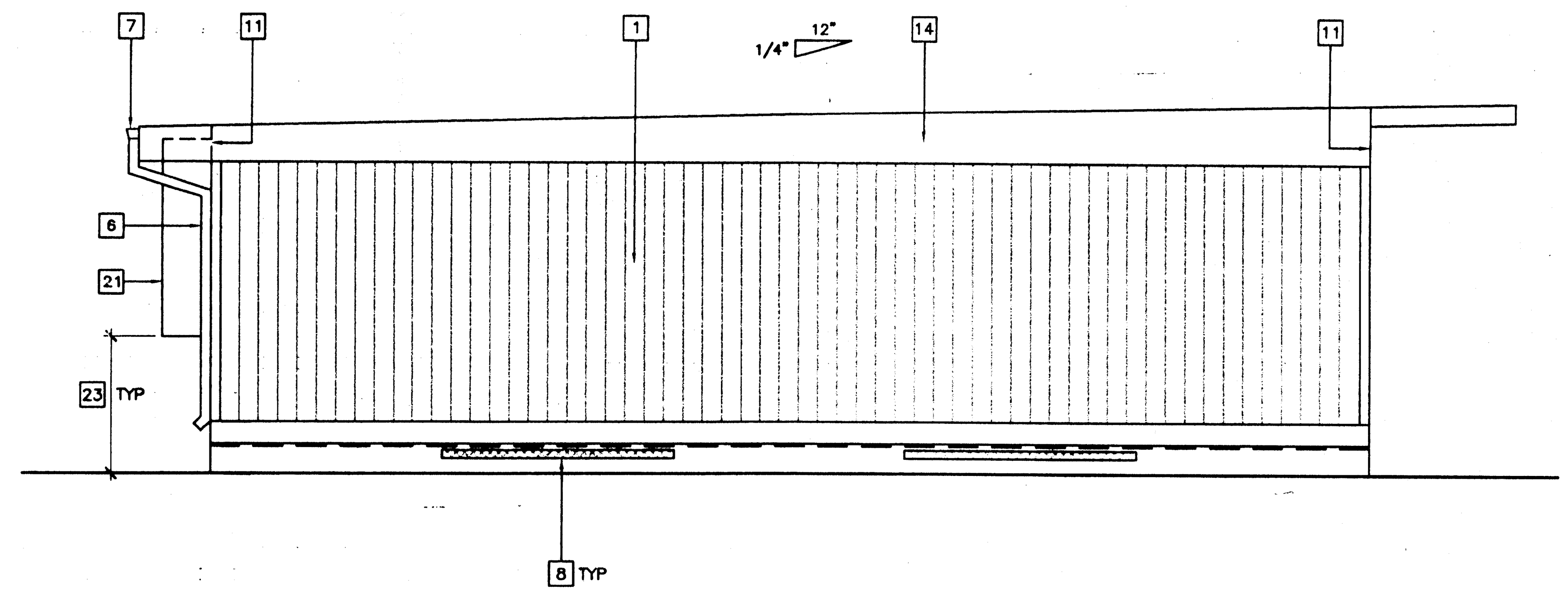

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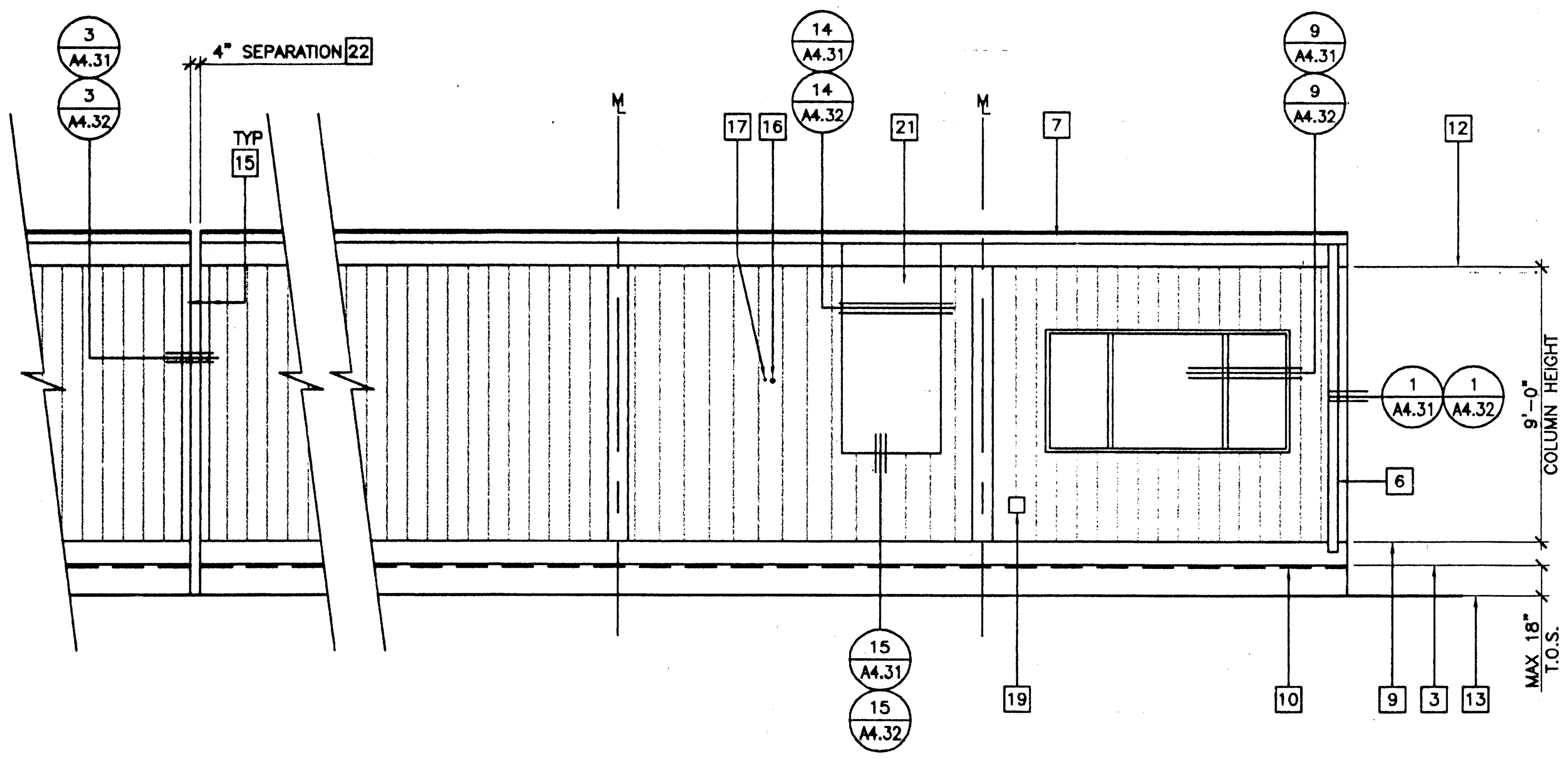

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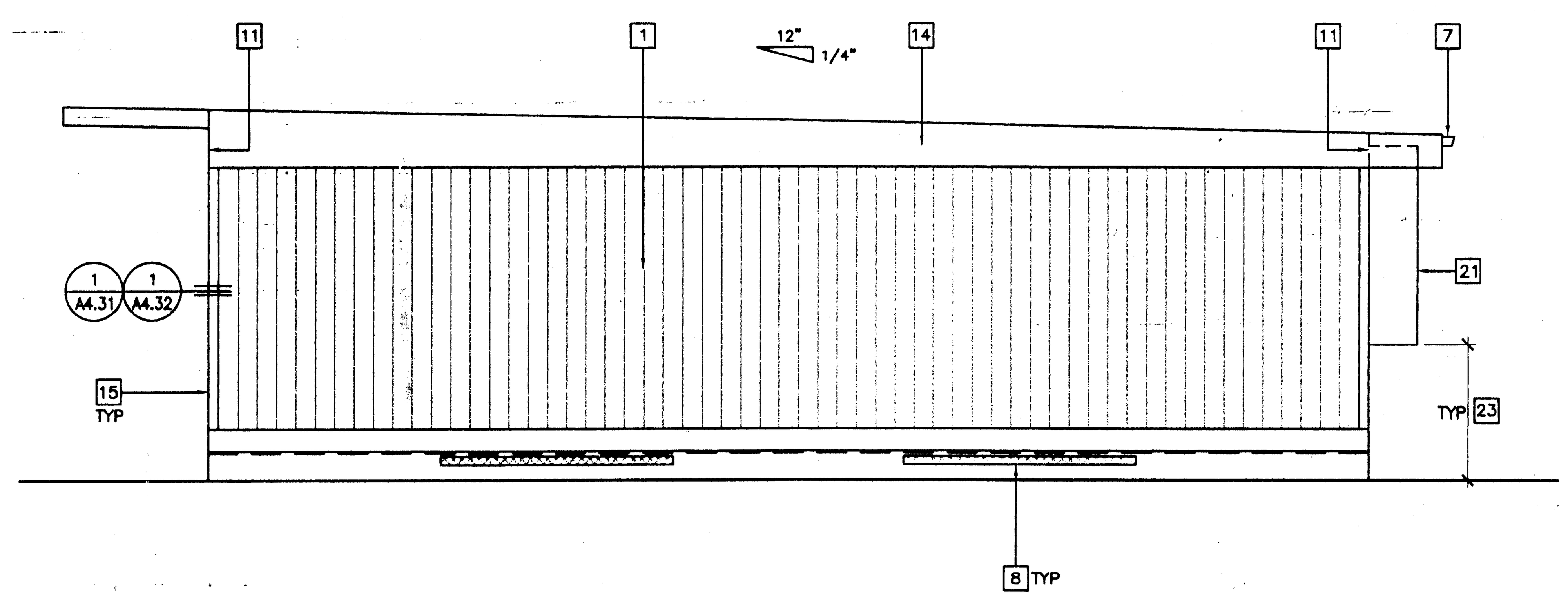


④ RIGHT SIDE ELEVATION

KEY NOTES

1. TYPICAL EXTERIOR FINISH (SEE EXTERIOR FINISH SCHEDULE BELOW)
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING (T.O.S.)
4. RAMP AND LANDING. SEE SHEETS R1 THRU R4 (RAMP)
5. NOT USED
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN – A2)
8. FOUNDATION VENT (SEE FOUNDATION PLAN – F1)
9. FINISH FLOOR LINE
10. FLOOR BEAM (STR)
11. ROOF HEADER (STR)
12. TOP OF COLUMN
13. FINISH GRADE
14. ROOF BEAM (STR)
15. COLUMN (STR)
16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.01
21. HVAC UNIT (HV)
22. 4" SEPARATION AS REQUIRED PER FLOOR PLAN
23. 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

EXTERIOR FINISH SCHEDULE

NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH OPTIONS.

STANDARD – 5/8" PLYWOOD SIDING

OPTIONAL – 5/16" GROOVED FIBER CEMENT BOARD

OPTIONAL – 5/16" FIBER CEMENT BOARD WITH TEXTURED ELASTOMERIC COATING SYSTEM

FILE PATH: 2440-A4.02.DWG

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC ___ DATE MAY 22 2003

DATE SIGNED
APR 15 2003

PC
CBC 2001

EXTERIOR ELEVATIONS

26 GA/MONO PITCH
SCALE: 1/4" = 1'-0"

4012-125

PROJECT NO.

REVISIONS

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

LICENSE EXPIRES 6-30-2004

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
104801

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

PROJECT NUMBER:

© MODTECH, INC. 2002

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

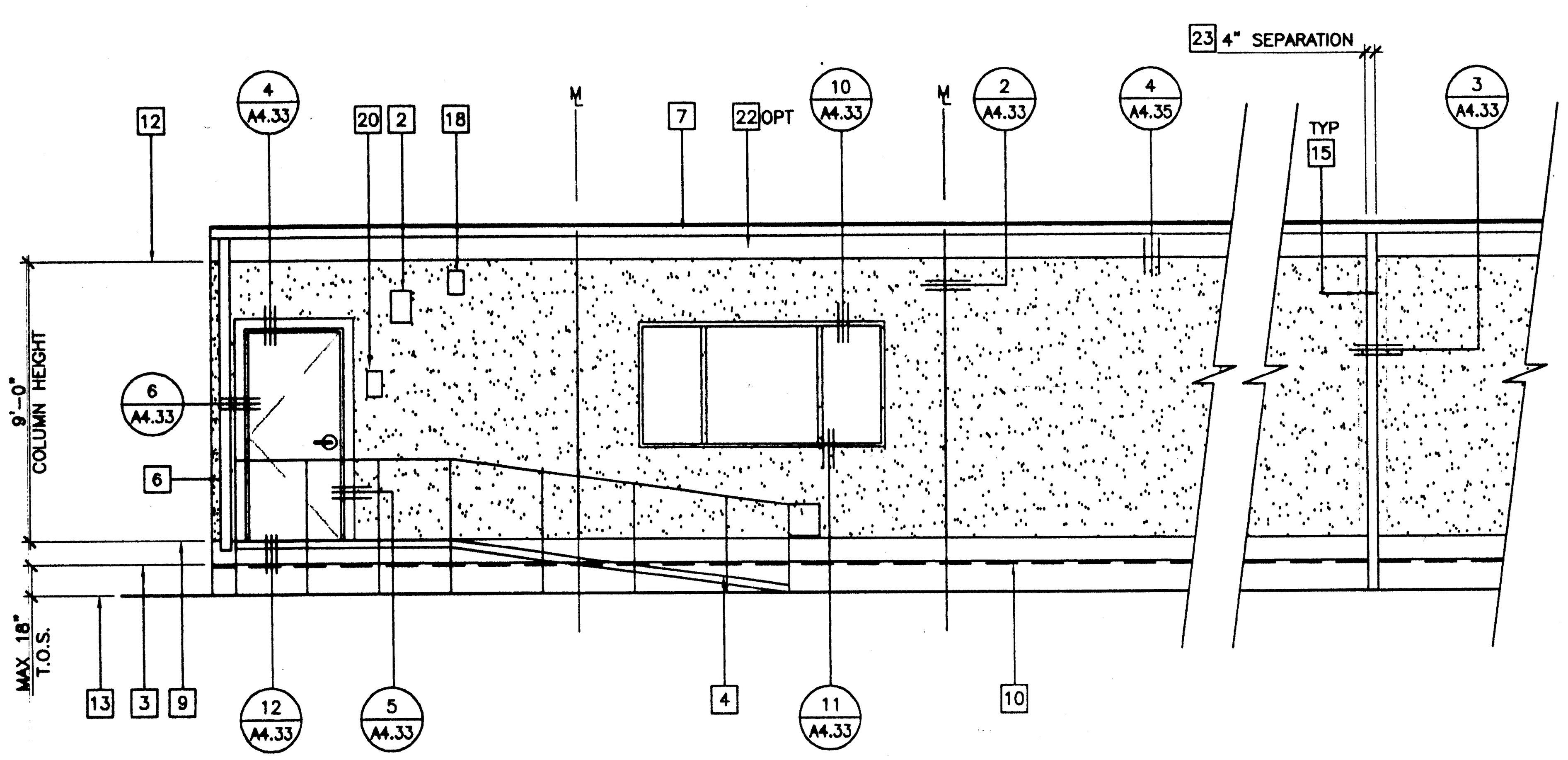
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

EXTERIOR ELEVATIONS 26 GA MONO PITCH

A4.02

PC-04-104801



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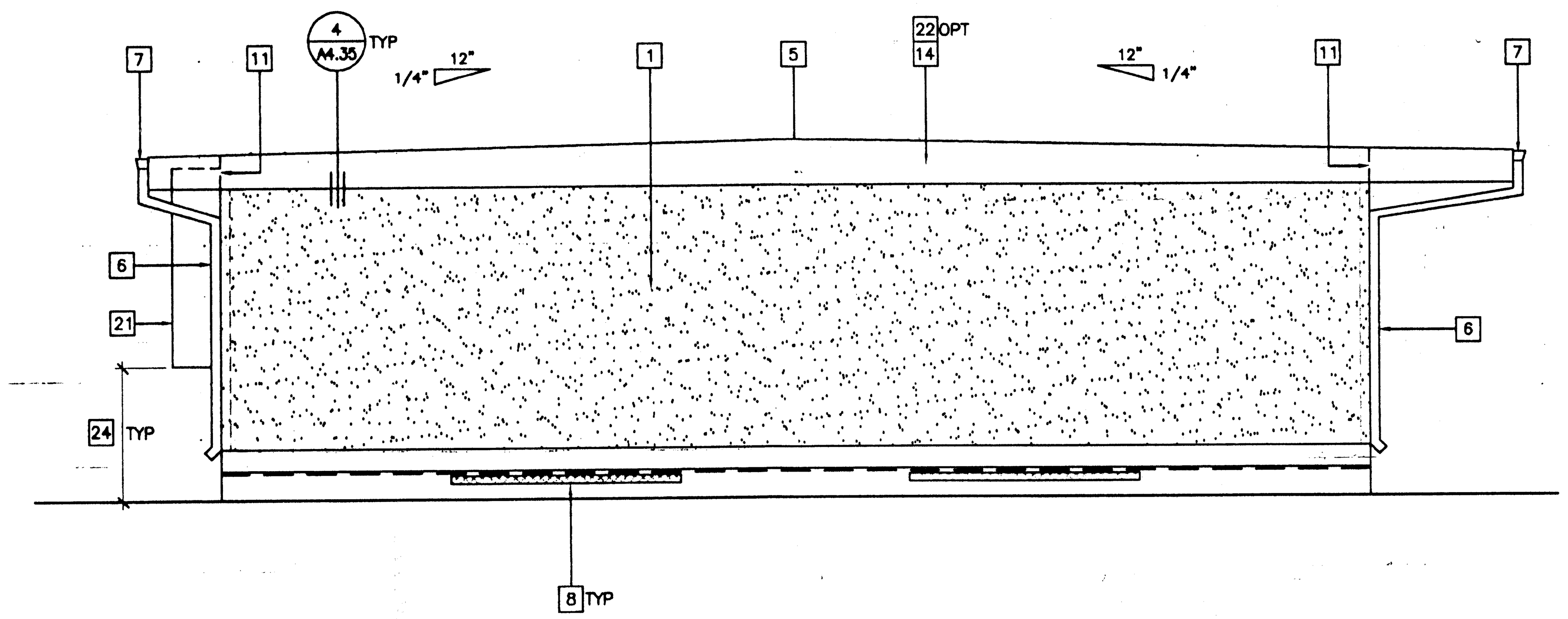

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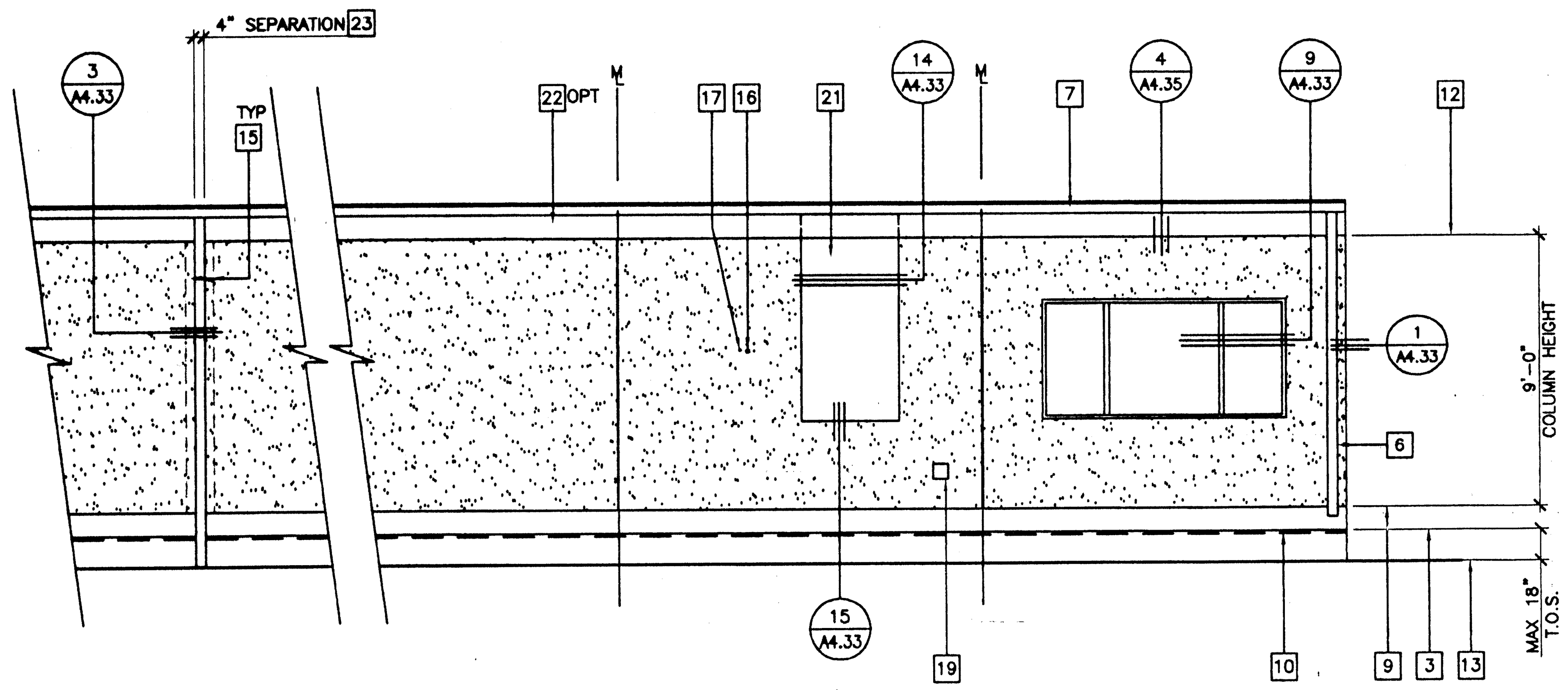

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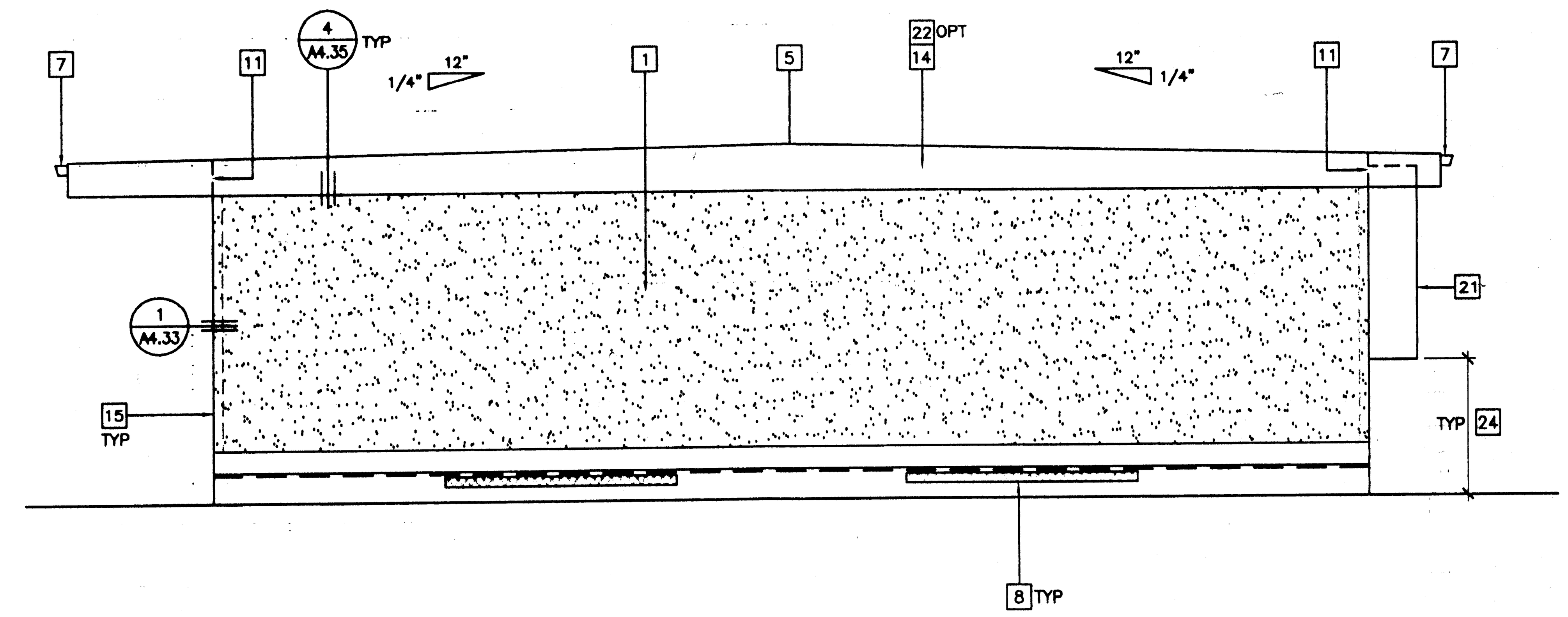

④ RIGHT SIDE ELEVATION

KEY NOTES

1. EXTERIOR PLASTER OVER LATH
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING (T.O.S.)
4. RAMP AND LANDING. SEE SHEETS R1 THRU R4 (RAMP)
5. RIDGE
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN – A2)
8. FOUNDATION VENT (SEE FOUNDATION PLAN – F1)
9. FINISH FLOOR LINE
10. FLOOR BEAM (STR)
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12. TOP OF COLUMN
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14. ROOF BEAM (STR)
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16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.01
21. HVAC UNIT (HV)
22. OPTIONAL STUCCO OVER ROOF BEAM AND FASCIA. SEE SHEET A3.04 FOR DETAILS
23. 4" SEPARATION AS REQUIRED PER FLOOR PLAN
24. 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

FILE PATH: 2440-A4.21.DWG

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS DATE MAY 2 2 2003

EXTERIOR ELEVATIONS

26GA/DUAL PITCH
SCALE: 1/4" = 1'-0"

DATE SIGNED APR 18 2003

PC

CBC 2001

4012-125

PROJECT NO.

REVISIONS		
1		
2		
3		
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5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

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

Architects Seal — LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2956 REN 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
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:

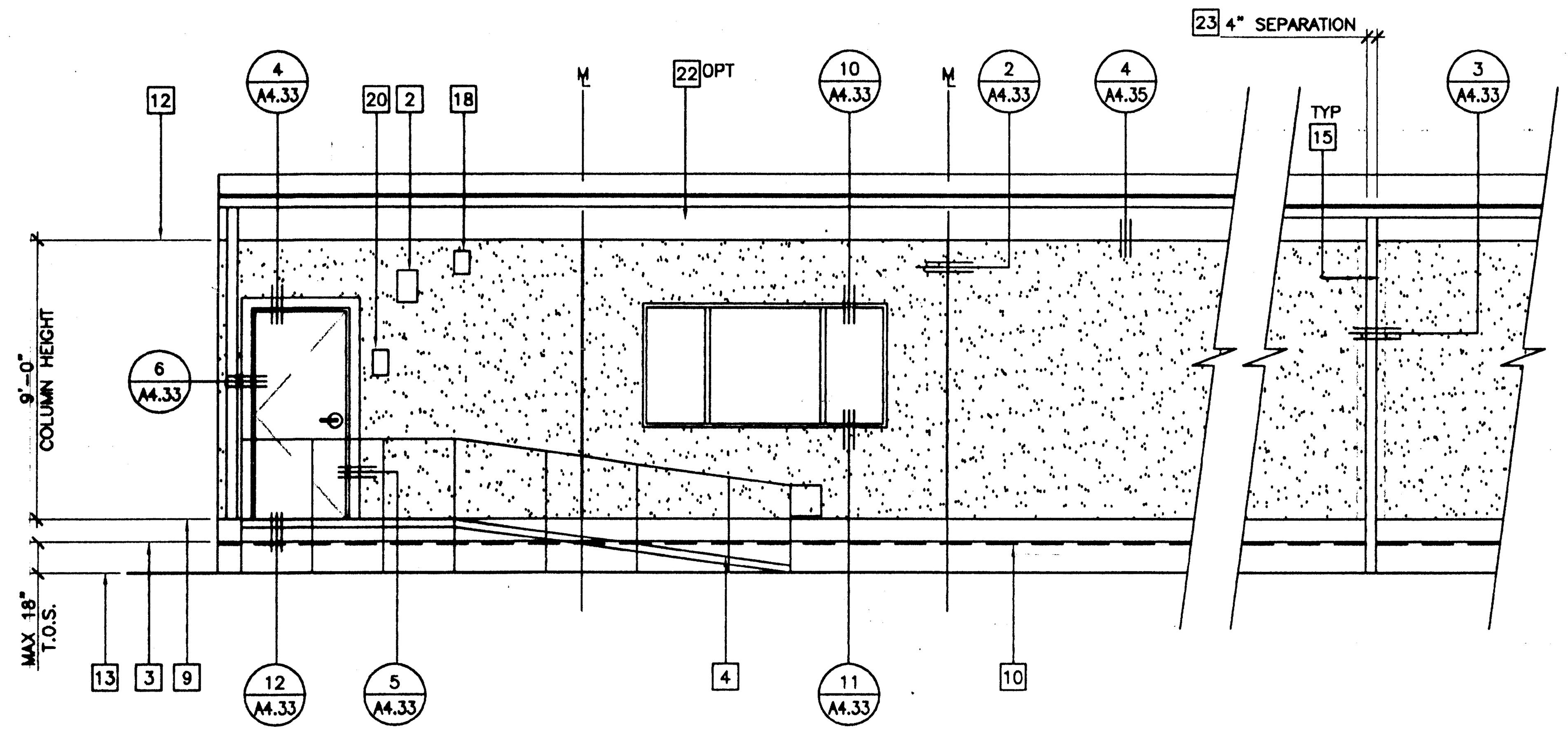
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH
STUCCO

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

EXTERIOR ELEVATIONS 26 GA DUAL PITCH

MODTECH Index No.
A4.21

PC-04-104801



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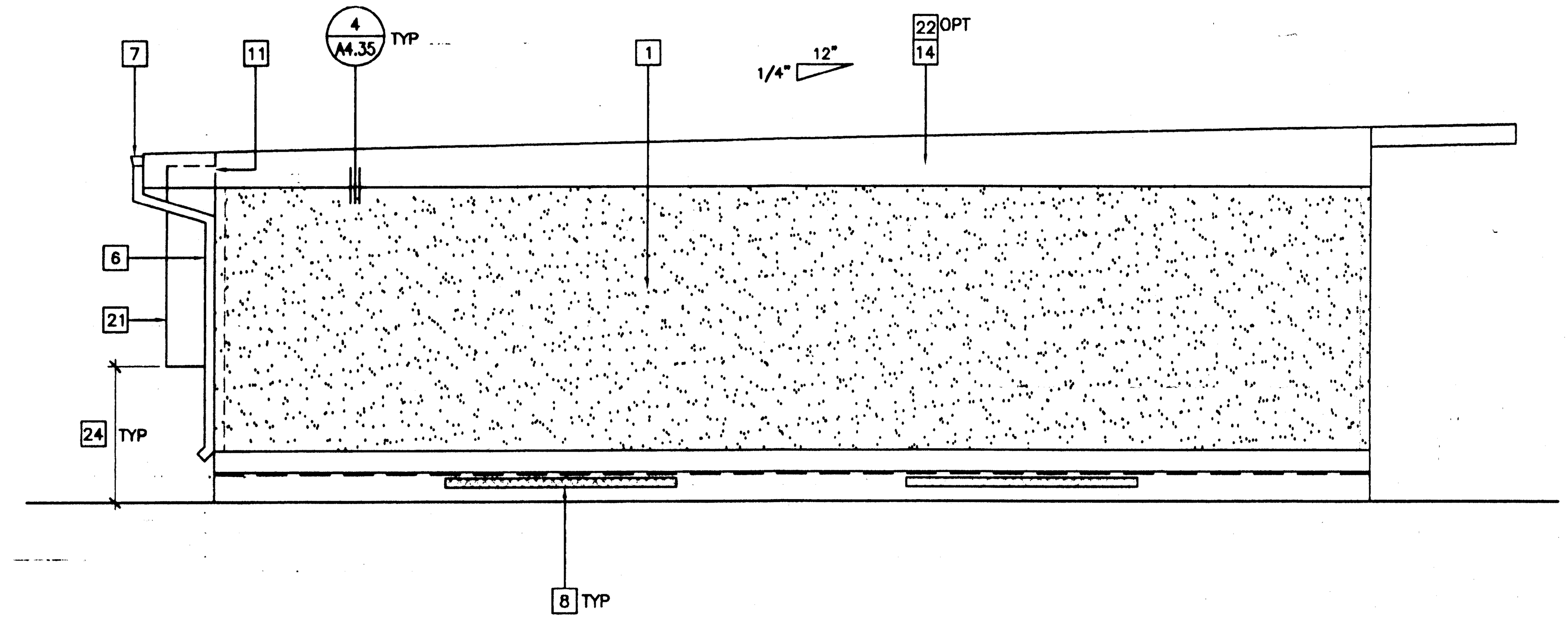

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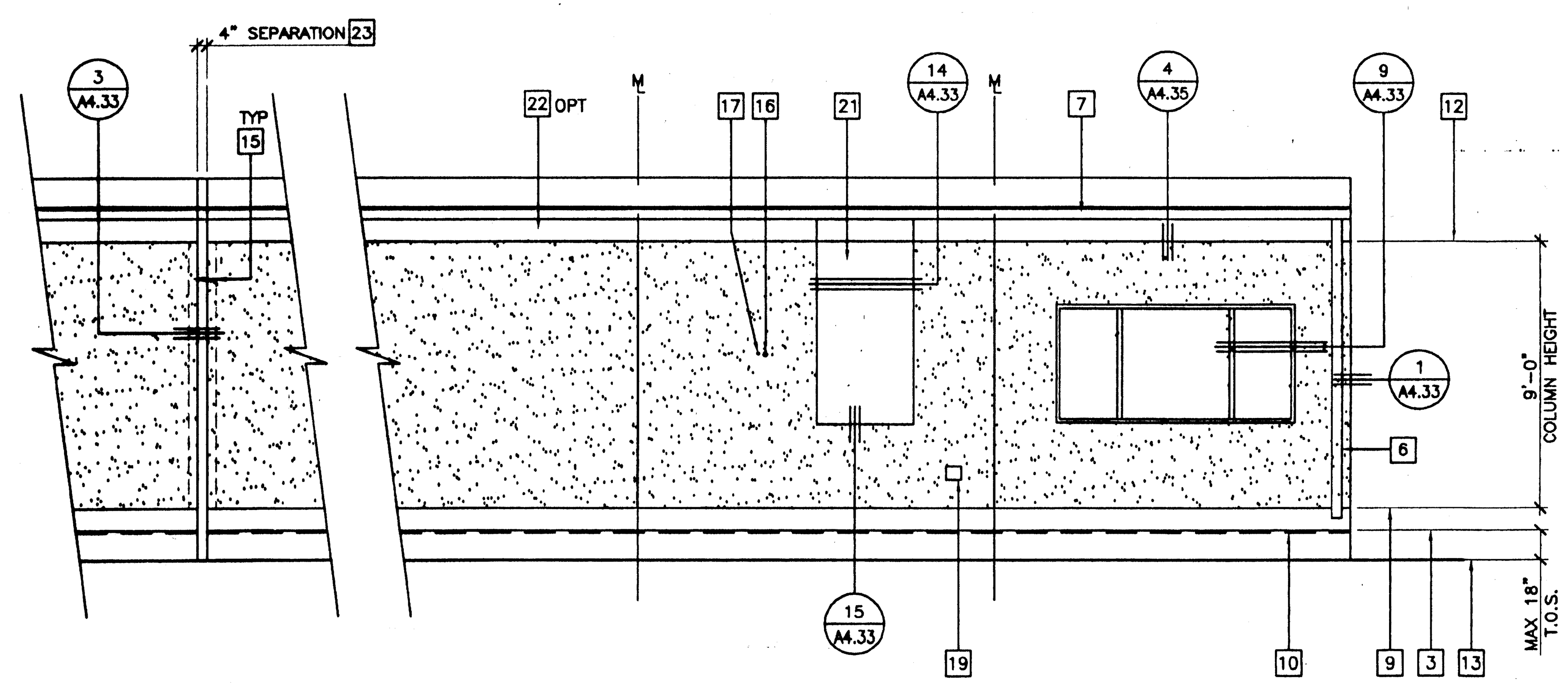

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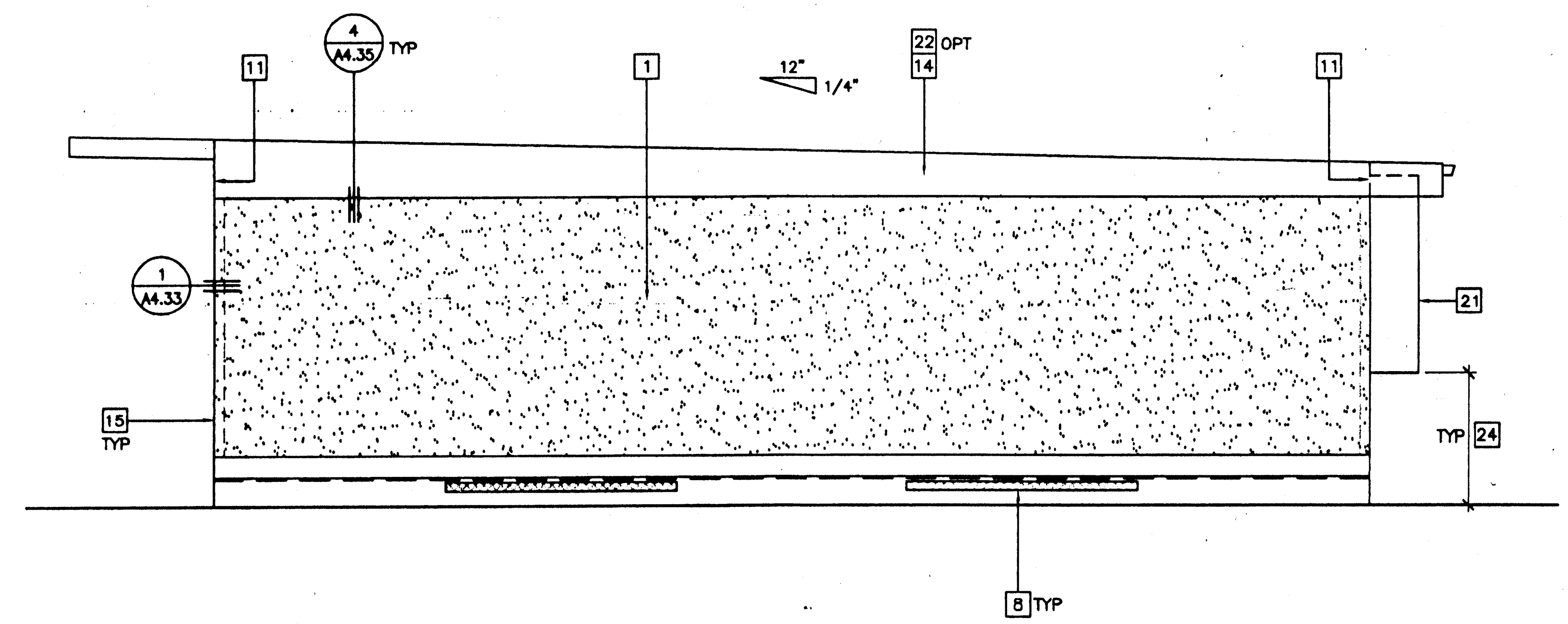

④ RIGHT SIDE ELEVATION

KEY NOTES

1. EXTERIOR PLASTER OVER LATH
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING (T.O.S.)
4. RAMP AND LANDING. SEE SHEETS R1 THRU R4 (RAMP)
5. NOT USED
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN – A2)
8. FOUNDATION VENT (SEE FOUNDATION PLAN – F1)
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16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.01
21. HVAC UNIT (HV)
22. OPTIONAL STUCCO OVER ROOF BEAM
23. 4" SEPARATION AS REQUIRED PER FLOOR PLAN
24. 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

FILE PATH: 2440-A4.22.DWG

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003

DATE SIGNED
APR 8 2003

PC
CBC 2001

EXTERIOR ELEVATIONS
26 GA/MONO PITCH
SCALE: 1/4" = 1'-0"

PROJECT NO. 4012-125

REVISIONS		
1		
2		
3		
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5		

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

REGISTERED PROFESSIONAL ENGINEER
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2956
REN. 9-30-03
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 6/1/03

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

PROJECT NUMBER:

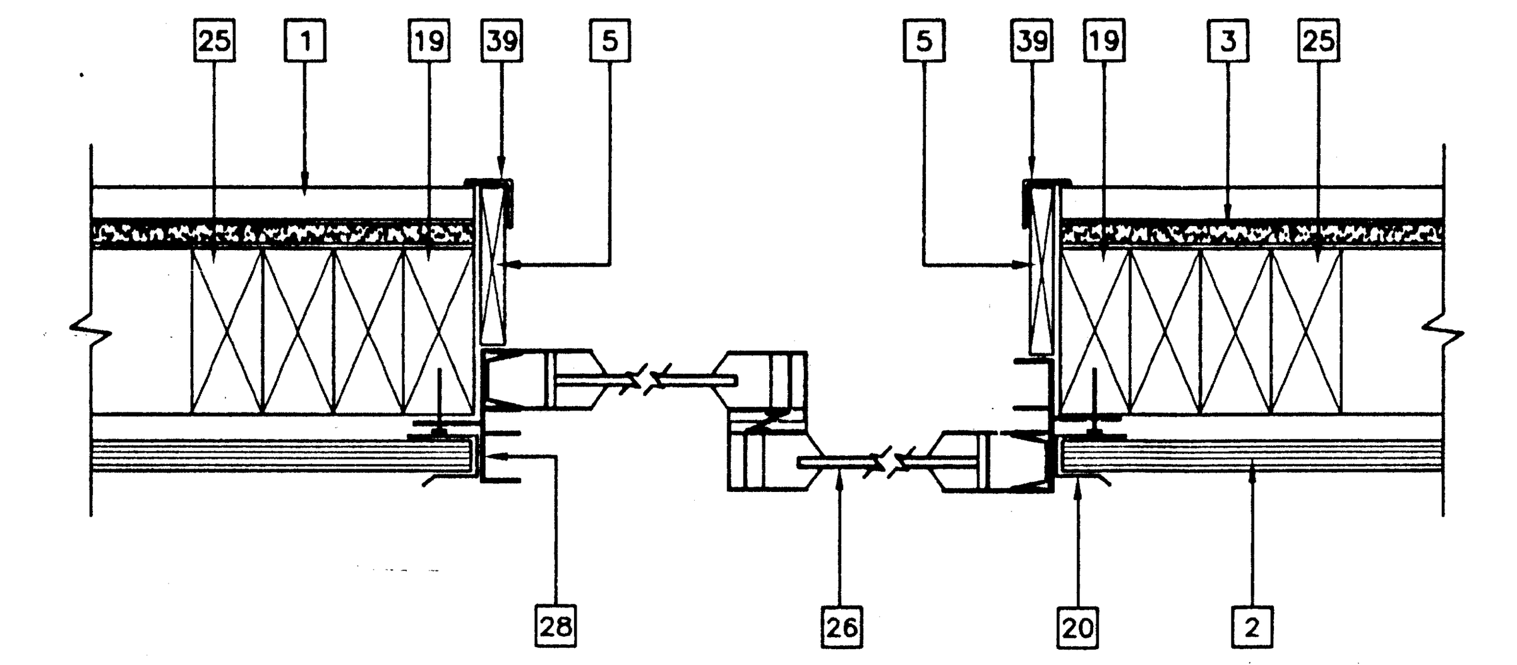
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH
STUCCO

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

EXTERIOR ELEVATIONS 26 GA MONO PITCH

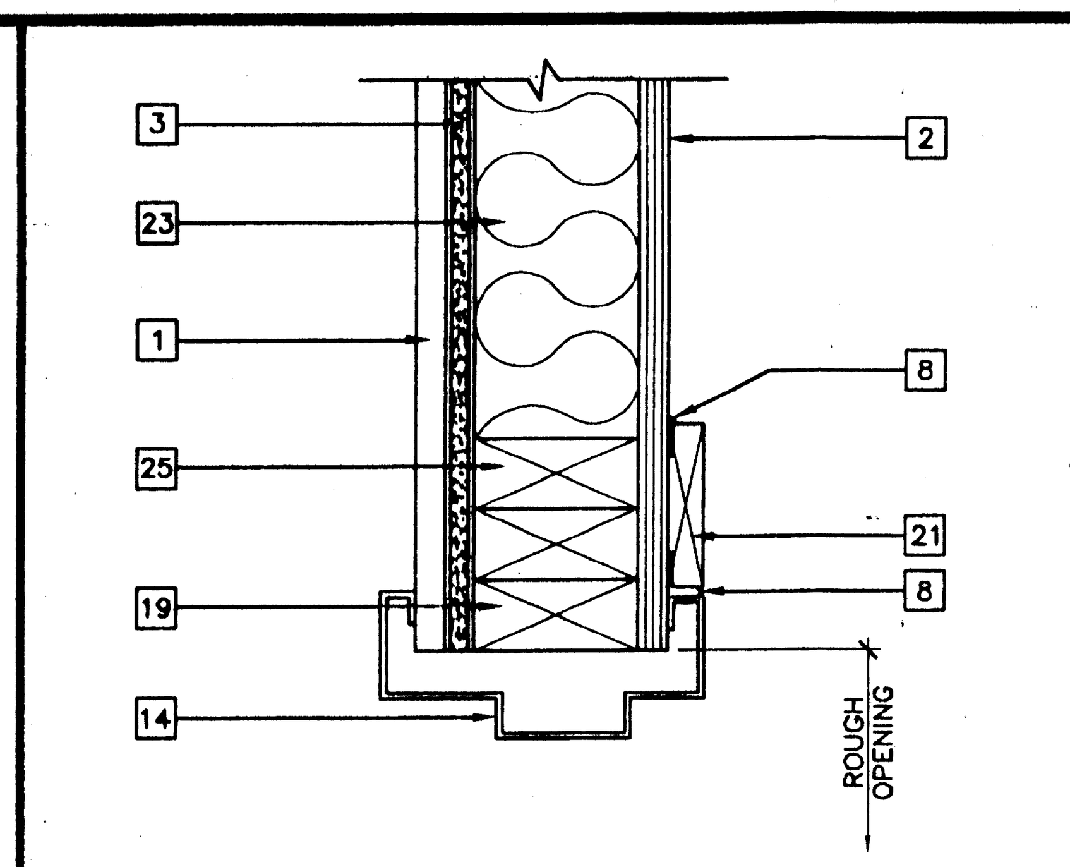
MODTECH Index No.
A4.22

PC-04-104801



SCALE: 3"=1'-0"

WINDOWS SECTION AT JAMBS — 9



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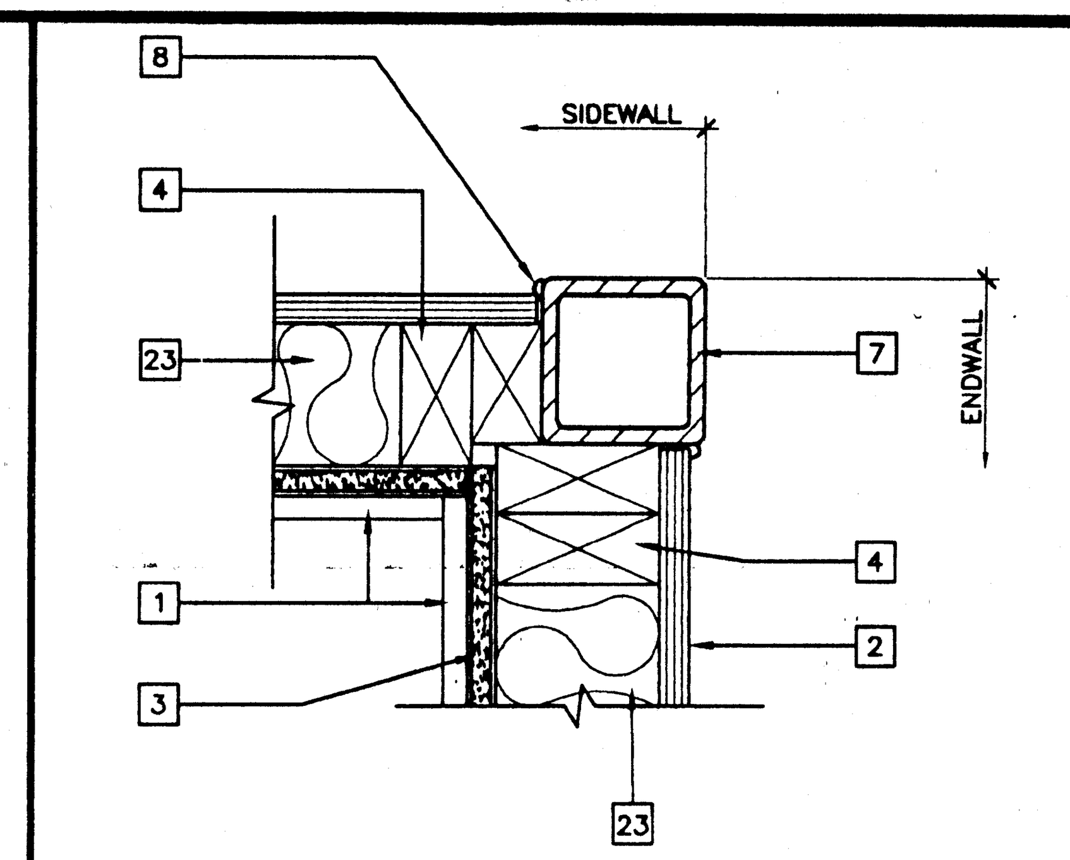
EXTERIOR DOOR JAMB — 5



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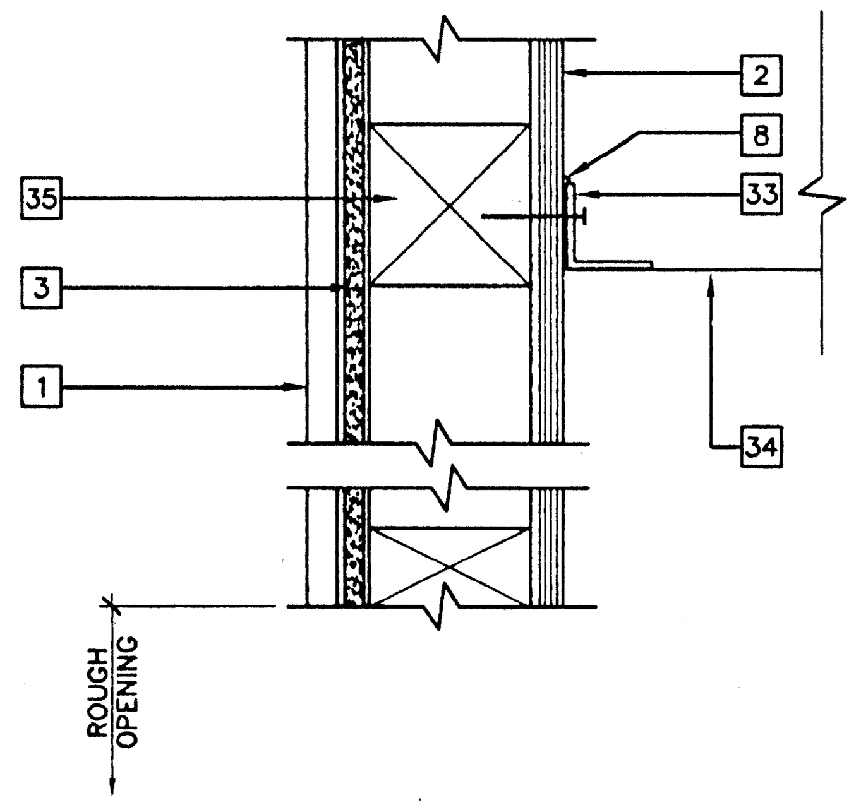
COLUMN AT CORNER — 1



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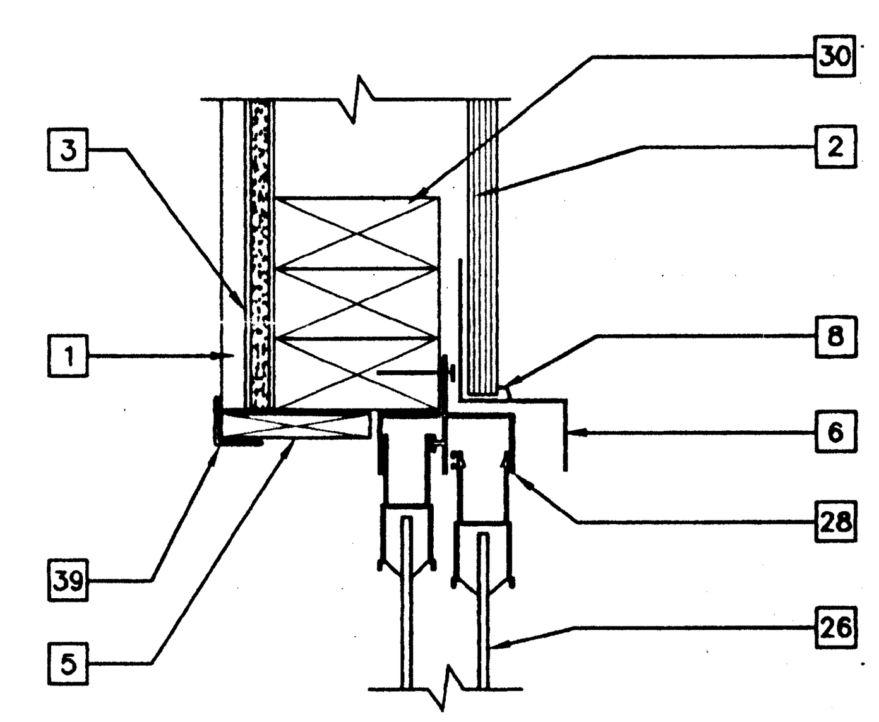
HVAC MOUNT AT JAMBS — 16



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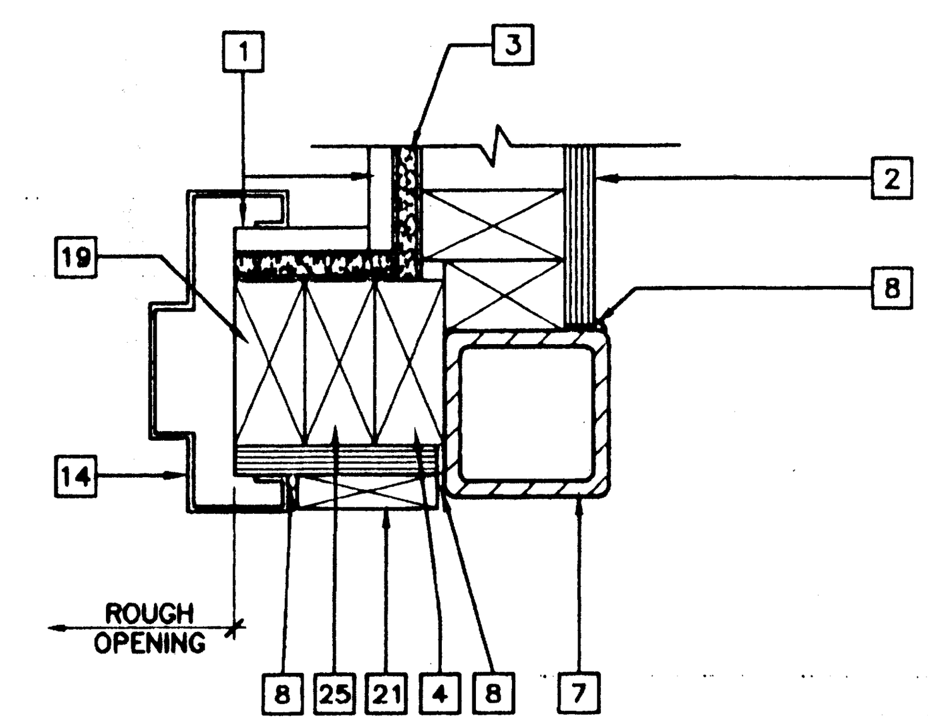
WINDOW HEADER — 13



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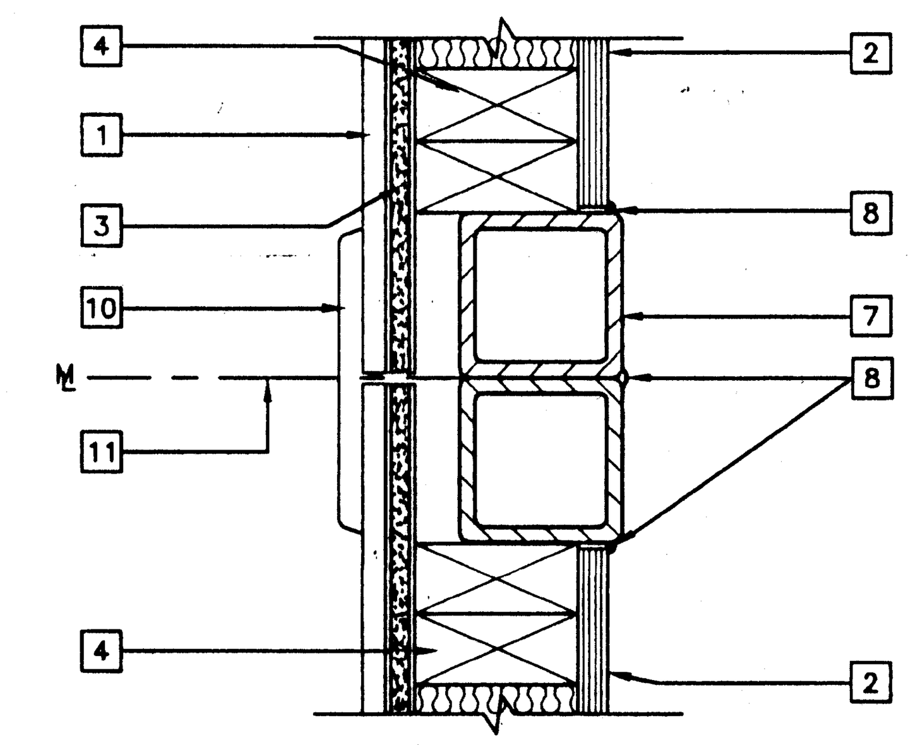
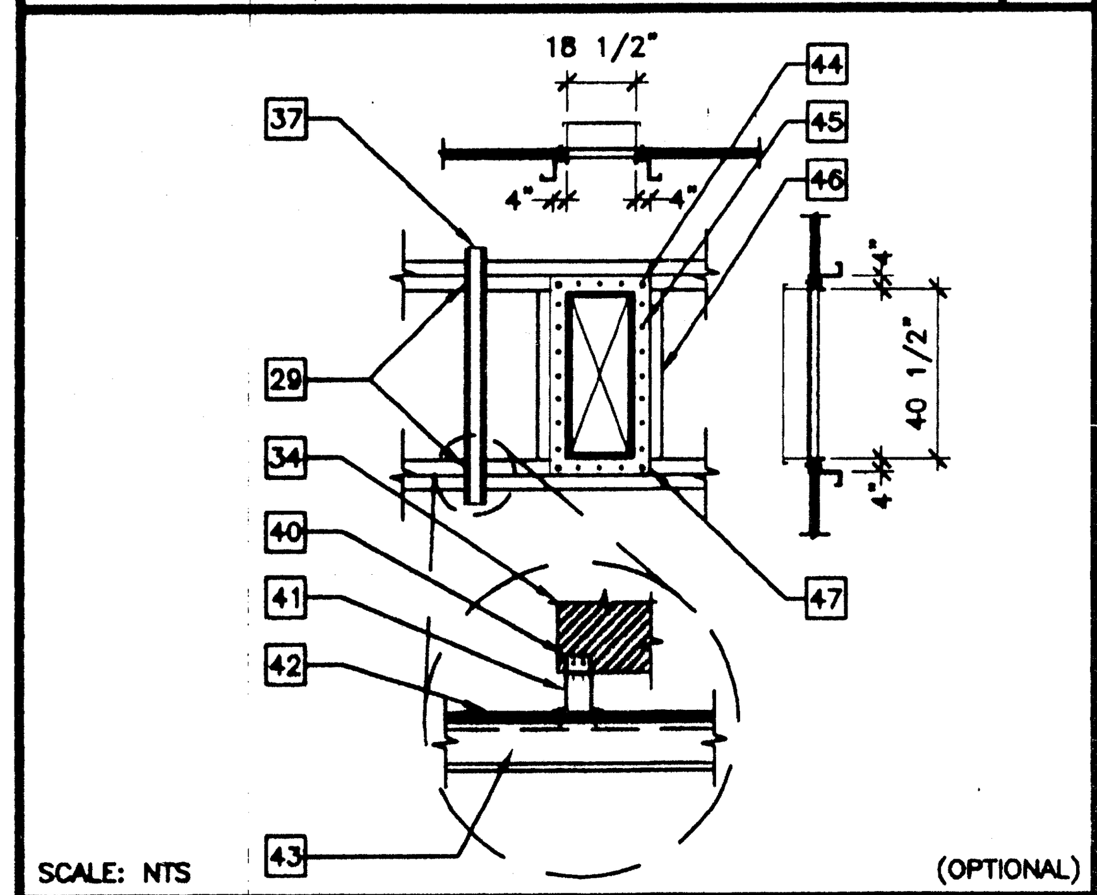
EXTERIOR DOOR JAMB — 10



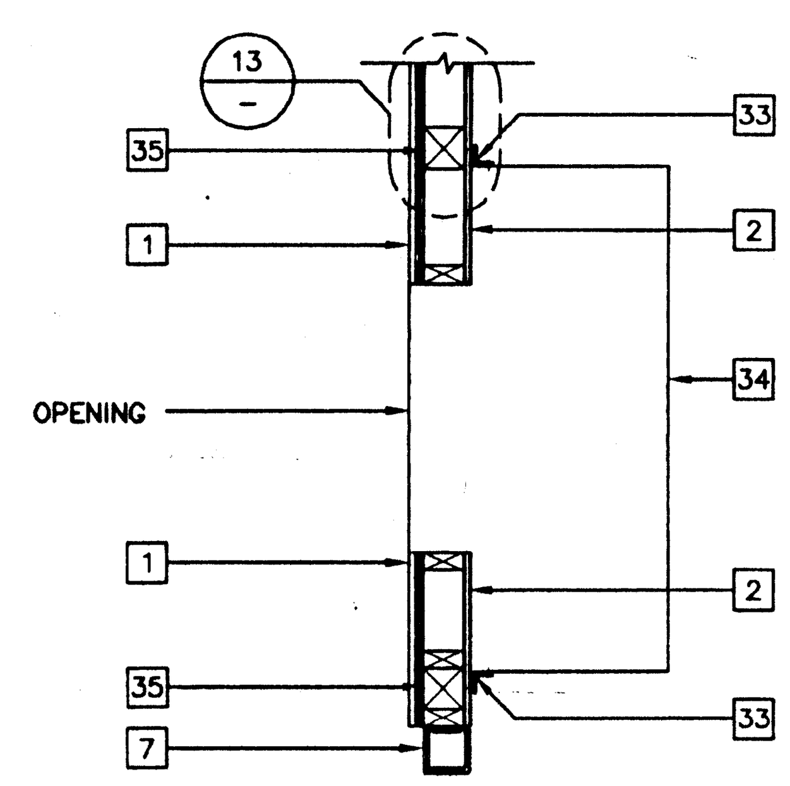
SCALE: 3"=1'-0"

COLUMN AT MODLINE — 6



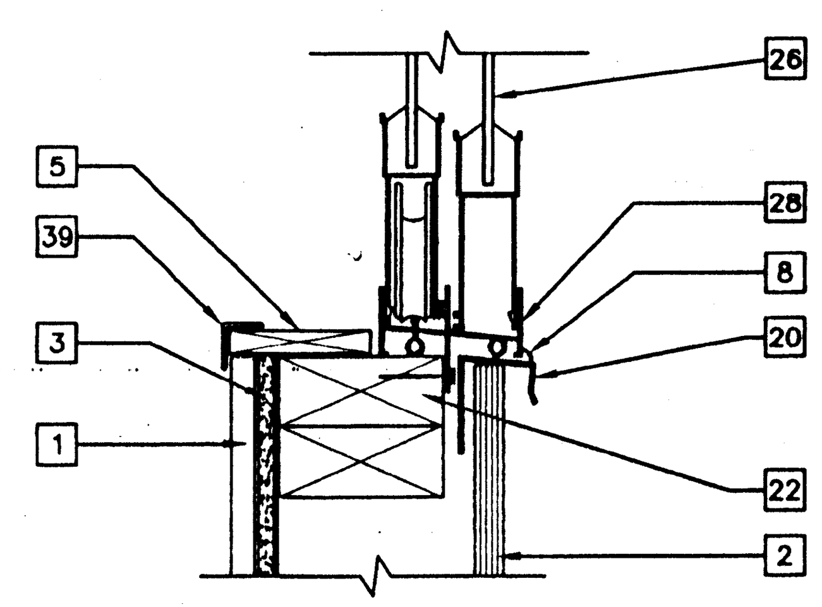
SCALE: NTS (OPTIONAL)

CURB ATTACHMENT ON METAL ROOFING — 18



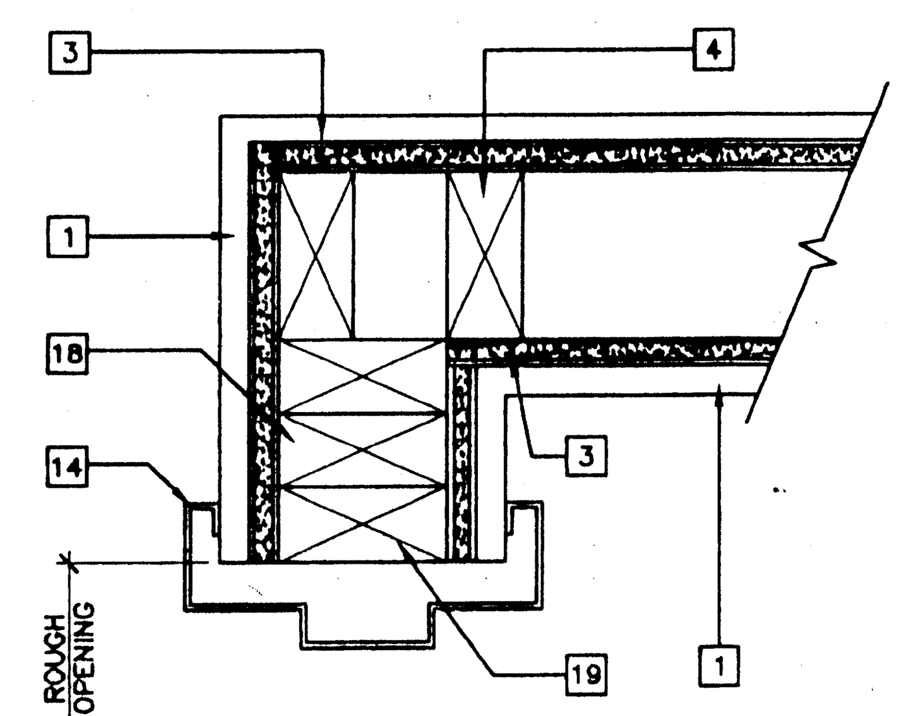
SCALE: NTS

HVAC UNIT (PLAN) — 14



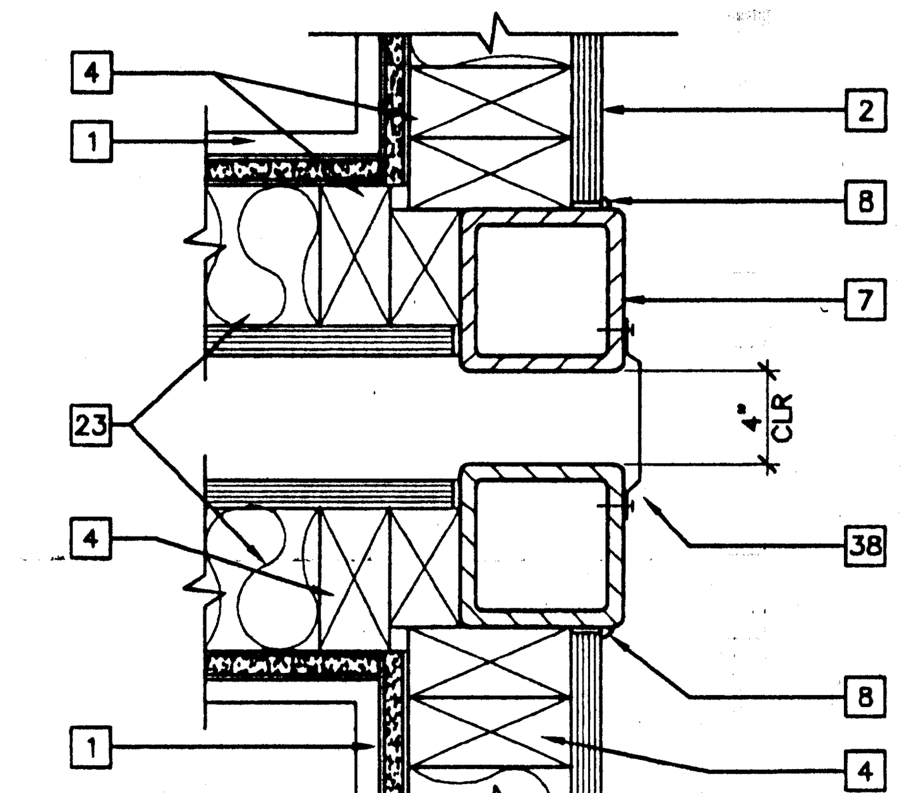
SCALE: 3"=1'-0"

SILL PLATE — 11



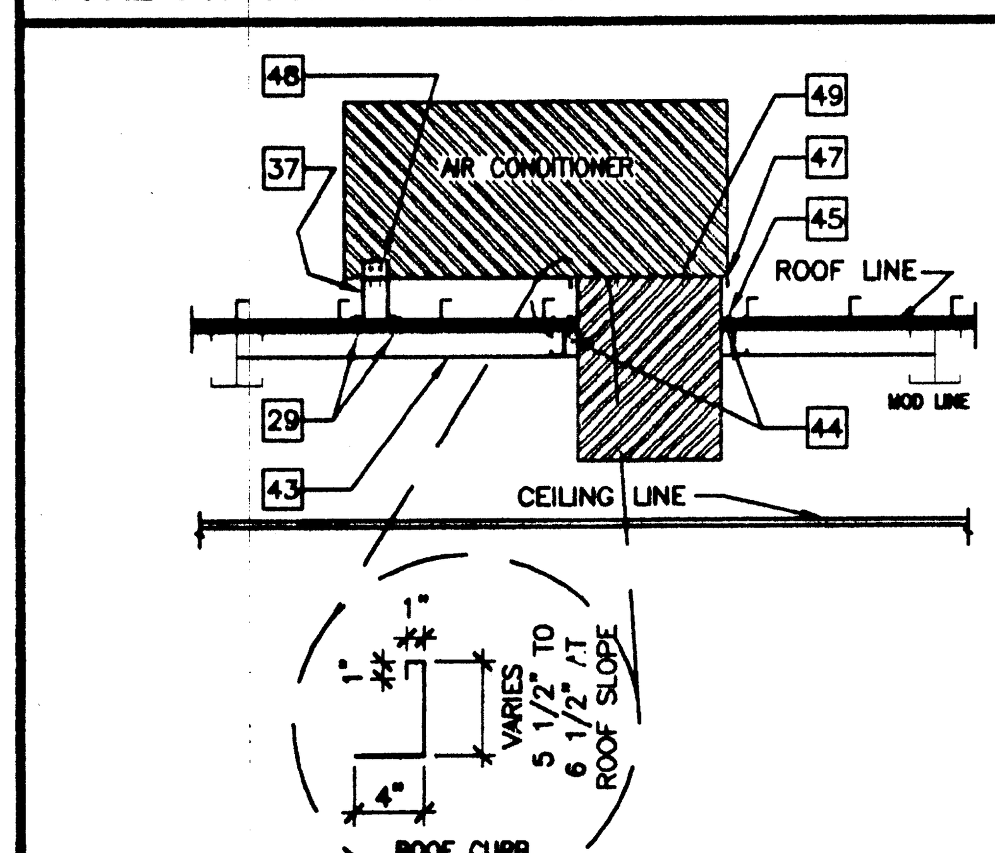
SCALE: 3"=1'-0"

INTERIOR DOOR JAMBS — 7



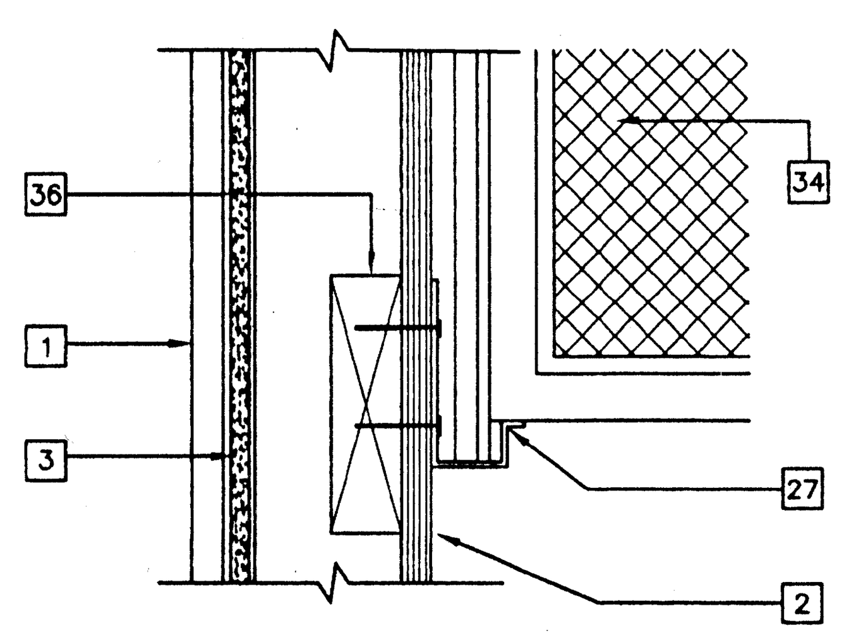
SCALE: 3"=1'-0" OPTIONAL

CLOSURE BETWEEN BUILDINGS — 3



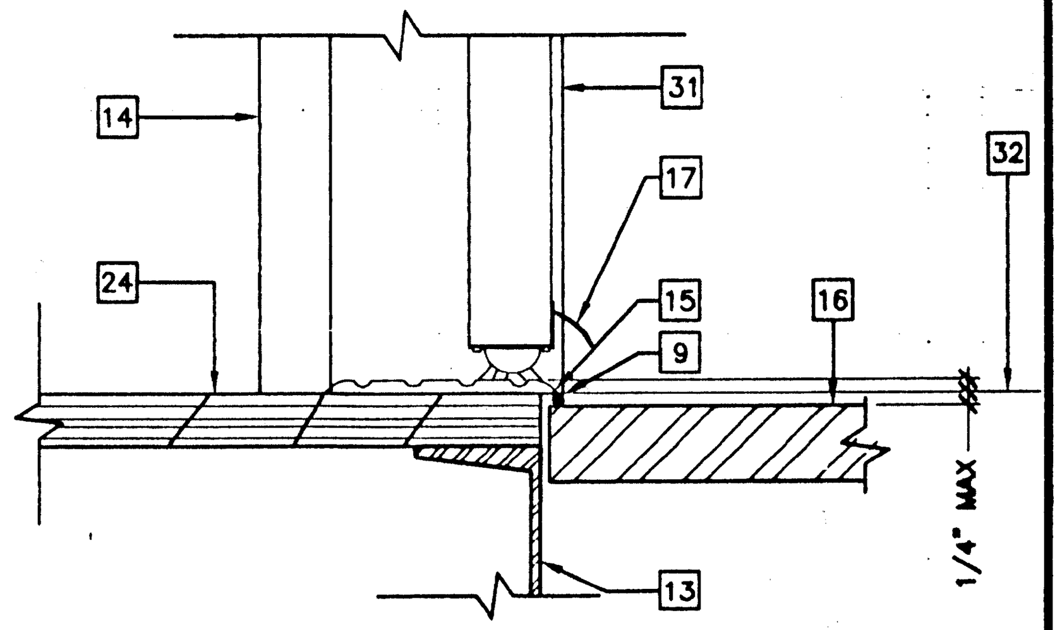
SCALE: NTS (OPTIONAL)

SECTION THRU AIR CONDITIONER — 19



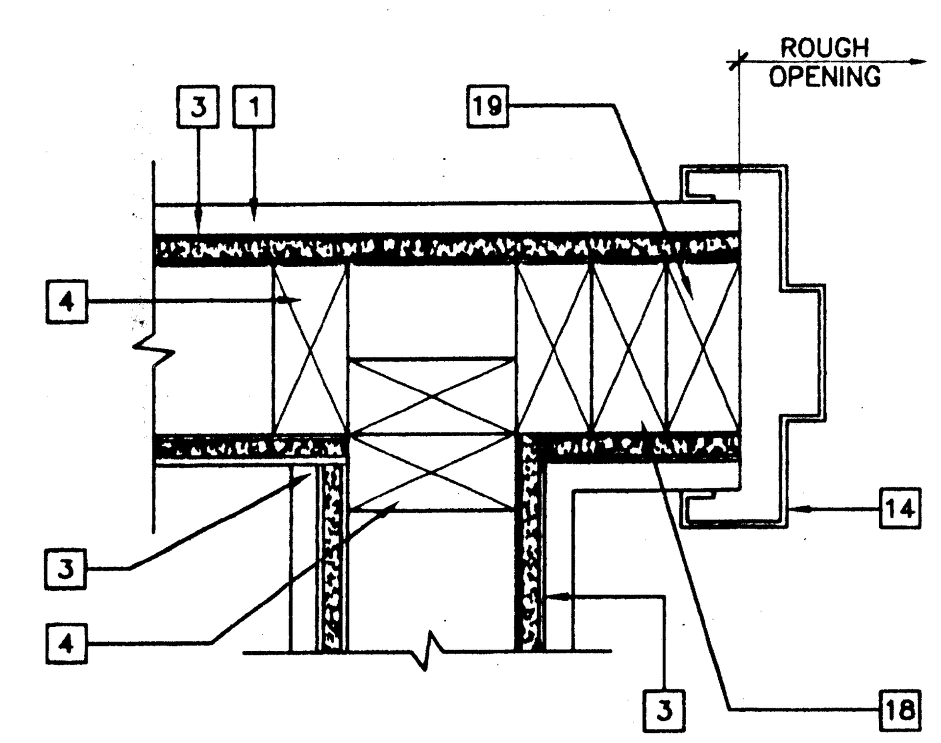
SCALE: 3"=1'-0"

HVAC UNIT AT BOTTOM — 15



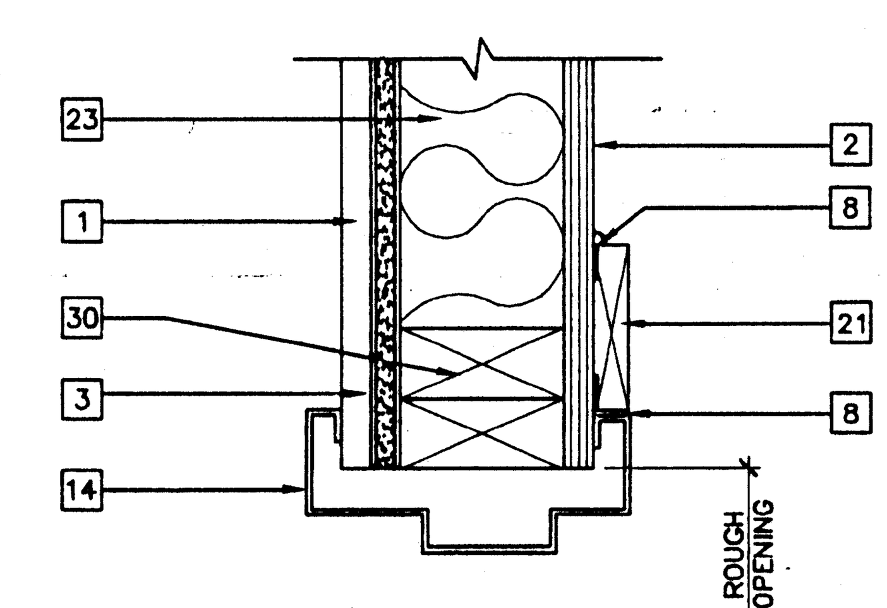
SCALE: 3"=1'-0"

THRESHOLD — 12



SCALE: 3"=1'-0"

INTERIOR DOOR JAMBS — 8



SCALE: 3"=1'-0"

EXTERIOR DOOR HEADER — 4

DATE SIGNED APR 18 2003

PC

CBC 2001

KEY NOTES

1. TYPICAL INTERIOR FINISH (FIN) – 1/A6.02
2. TYPICAL EXTERIOR FINISH (SEE EXTERIOR ELEVATIONS)
3. 1/2" GYPSUM BOARD BACKING WITH 7d COOLER NAILS AT MAX 7" OC TYPICAL AT EACH STUD
4. 2"x4" STUD TYPICAL
5. INTERIOR WOOD TRIM
6. 26 GA DRIP FLASHING
7. STEEL COLUMN (STR)
8. SEALANT (TYPICAL, SEE SPECS.)
9. CAULKING
10. CLOSURE
11. MODLINE (ML)
12. NOT USED
13. FLOOR BEAM (STR)
14. PRESSED STEEL FRAME – 1,4/A6.01
15. ALUMINUM THRESHOLD – 1/4" WITH 2:1 BEVEL – 7/A6.01
16. FINISH LANDING
17. DOOR BOTTOM – 7/A6.01
18. (2) 2"x4" KING STUD
19. 2"x4" TRIMMER STUD
20. 26 GA 'J' MOLD
21. 1"x4" WOOD TRIM WITH 8d ELECTRO GALVANIZED AT 12" OC
22. SILL PLATE
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING – 1/A6.02
25. 2"x4" FULL HEIGHT JAMB STUDS
26. WINDOW GLAZING – 1/A6.01
27. HVAC UNIT BOTTOM SEAT 12 GAx24" LONG WITH (6) 3/8" DIAx2" LAG BOLTS
28. ALUMINUM NAIL ON WINDOW FRAME. INSTALL WITH 8d BOX ELECTRO GALVANIZED NAILS AT 24" OC MAXIMUM WITH MINIMUM 3" BUILDING PAPER BETWEEN FRAME AND WALL.
29. #14 x2" SMS INTO PURLIN (TYP 4 PLACES)
30. DOOR HEADER
31. DOOR – 4/A6.01
32. FINISHED FLOOR LINE
33. HVAC SIDE BRACKET (FURNISHED WITH UNIT) ATTACH TO WALL WITH 3/8"x2" LAG SCREWS
34. HVAC UNIT (HV)
35. 4"x4" POST OR ALTERNATE – (2) 2"x4" FULL HEIGHT STUDS WITH 1/2" PLYWOOD SPACER STITCH NAILED WITH 16d AT 12" OC STAGGERED
36. 2"x6" LET–IN
37. 18 GA GALVANIZED IRON HAT
38. CLOSURE SCREEN
39. CORNER MOLDING
40. 18 GA x2" WIDE ANGLE WITH 2–#10 SMS EACH LEG
41. 18 GA x2" WIDE 5 1/2" DEEP 5' LONG RUNNER
42. 3/4" PLYWOOD SHEATHING
43. 14 GA x2" ROOF PURLIN AT 48" OC
44. #14 x2" SMS THRU ROOF CURBS INTO PURLIN (TYP 4 PLACES)
45. #8x3/4" SMS AT 5" OC MIN
46. ROOF PURLIN
47. 24 GA ROOF CURB SECURE TO ROOF
48. 18 GA x2" W/ANGLES SECURE TO A/C UNIT W/2 #10 SMS SECURE TO UNIT W/1 #14 SMS (TYP 2 PLACES)
49. #10 x3/4" SMS (TYP 4 PLACES)

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AC FLS SS
DATE MAY 22 2003

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REVISIONS

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

REGISTERED PROFESSIONAL ENGINEER — JAMES T. SIMPSON — No. 3602 — STRUCTURAL — STATE OF CALIFORNIA — LICENSE EXPIRES 9-30-2004

LICENSED ARCHITECT — GEORGE C. EDWARDS — No. C 2956 — REN. 9-30-03 — STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 3/12/03

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

PROJECT NUMBER:

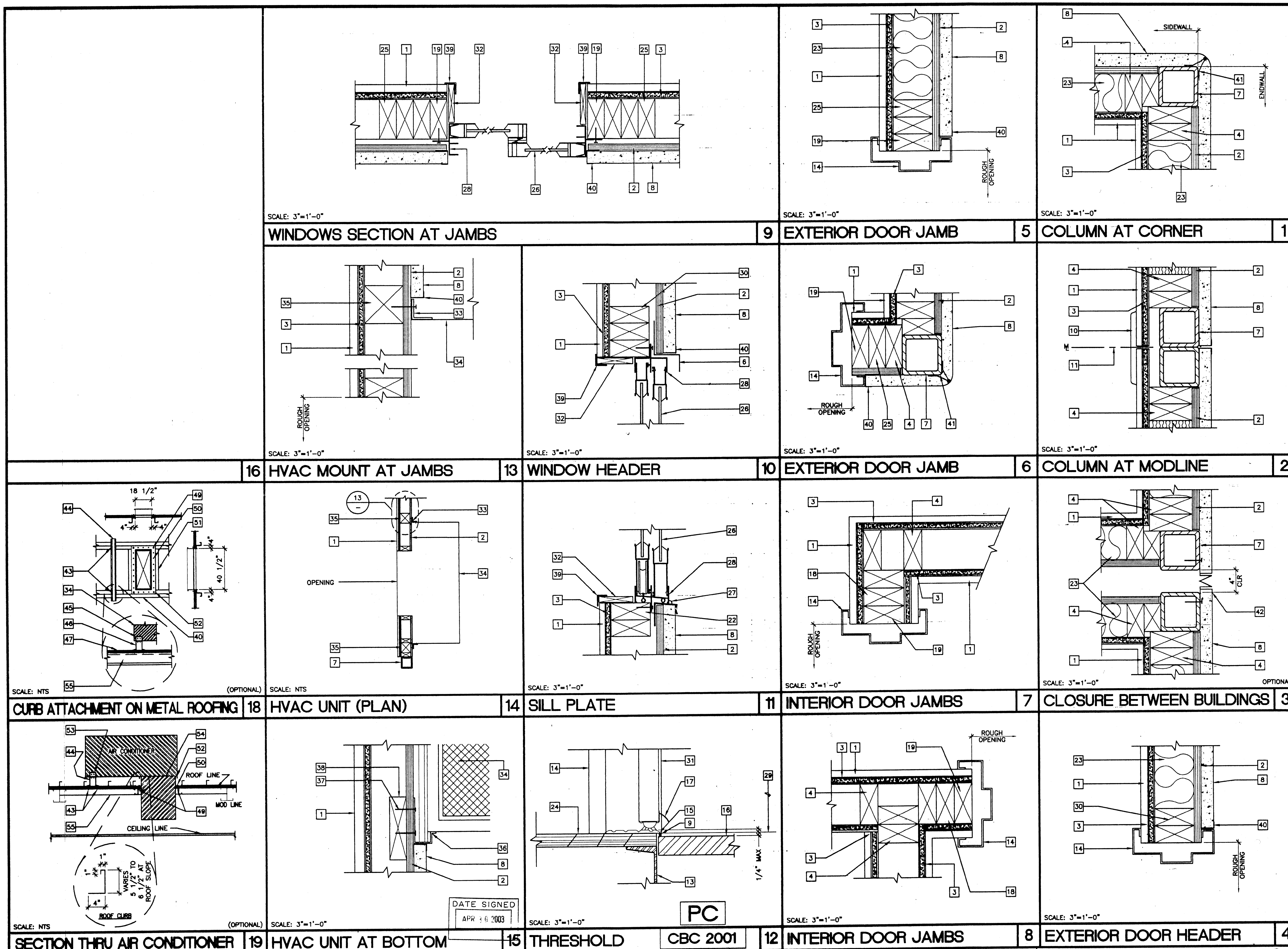
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

ARCHITECTURAL DETAILS WOOD STUDS

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No. A4.31

PROJECT NO. PC-04-104801



KEY NOTES

1. TYPICAL INTERIOR FINISH (FIN) – 1/A6.02
2. TYPICAL EXTERIOR FINISH (SEE EXTERIOR ELEVATIONS)
3. 1/2" GYPSUM BOARD BACKING WITH 7d COOLER NAILS AT MAX 7" OC TYPICAL AT EACH STUD
4. 2"x4" STUD TYPICAL
5. NOT USED
6. 26 GA DRIP FLASHING
7. STEEL COLUMN (STR)
8. PLASTER EXTERIOR
9. CAULKING
10. CLOSURE
11. MODULE JOINT (ML)
12. NOT USED
13. FLOOR BEAM (STR)
14. PRESSED STEEL FRAME – 1,4/A6.01
15. ALUMINUM THRESHOLD – 1/4" WITH 2:1 BEVEL – 7/A6.01
16. FINISH LANDING
17. DOOR BOTTOM – 7/A6.01
18. (2) 2"x4" KING STUD
19. 2"x4" TRIMMER STUD
20. NOT USED
21. NOT USED
22. SILL PLATE
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING – 1/A6.02
25. 2"x4" FULL HEIGHT JAMB STUDS
26. WINDOW GLAZING – 1/A6.02
27. SEALANT TYPICAL (SEE SPECS.)
28. ALUMINUM WINDOW FRAME WITH NAIL ON FINISH. INSTALL WITH MIN 3" BUILDING PAPER BETWEEN FINISH AND FRAMING. INSTALL WITH 8d AT 24" OC MAX
29. FINISH FLOOR LINE
30. DOOR HEADER
31. DOOR – 4/A6.01
32. INTERIOR WOOD TRIM
33. HVAC SIDE BRACKET (FURNISHED WITH UNIT) ATTACH TO WALL WITH 3/8"x2" LAG SCREWS
34. HVAC UNIT (HV)
35. 4"x4" POST OR ALTERNATE – (2) 2"x4" FULL HEIGHT STUDS WITH 1/2" PLYWOOD SPACER STITCH NAILED WITH 16d AT 12" OC STAGGERED
36. HVAC UNIT BOTTOM SUPPORT 12 GAx24" WITH (6) #12 STSMS TO FLAT STRAP OR WALL STUD – 11/S4.12
37. 6–3/8" DIAx2" GALVANIZED LAG SCREWS
38. 2"x6" LET IN
39. CORNER MOLDING
40. PLASTER STOP
41. CORNER CONTROL JOINT
42. EXPANSION SCREED
43. #14 x2" SMS INTO PURLIN (TYP 4 PLACES)
44. 18 GA GALVANIZED IRON HAT
45. 18 GA x2" WIDE ANGLE WITH 2–#10 SMS EACH LEG
46. 18 GA x2" WIDE 5 1/2" DEEP 5' LONG RUNNER
47. 3/4" PLYWOOD SHEATHING
48. 1–6"x2 1/2"x14 GA ROOF PURLIN (1 EACH SIDE)
49. #14 x2" SMS THRU ROOF CURBS INTO PURLIN (TYP 4 PLACES)
50. #8x3/4" SMS AT 4" OC MIN
51. 6"x2 1/2" BLKG
52. 24 GA ROOF CURB SECRE TO ROOF
53. 18 GA x2" W/ANGLES SECURE TO A/C UNIT W/2 #10 SMS SECURE TO UNIT W/1 #14 SMS (TYP 2 PLACES)
54. #10 x3/4" SMS (TYP 4 PLACES)
55. PURLIN AT 48"

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LATH FOR EXTERIOR PLASTER TO COMPLY WITH CBC SECTIONS 2504A AND 2506A
LATH ATTACHMENT TO COMPLY WITH TABLE 25A-C

FILE PATH: 2440–A4.33.DWG

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Electrical Engineer's Seal

Mechanical Engineer's Seal

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Architects Seal

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DIV. OF THE STATE ARCHITECT
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PC-04
104801
AC FLS SS
DATE 5/21/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

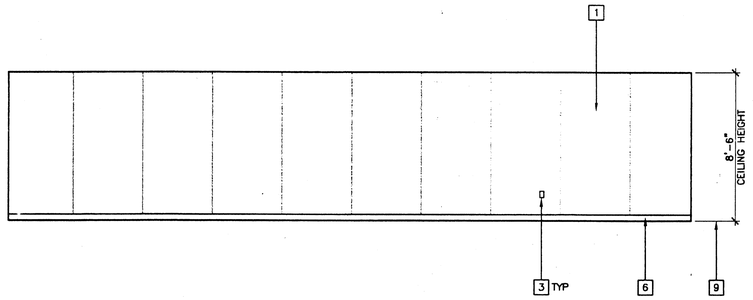
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

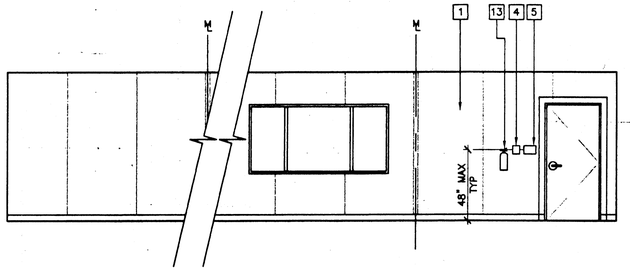
ARCHITECTURAL DETAILS PLASTER FINISH

A4.33

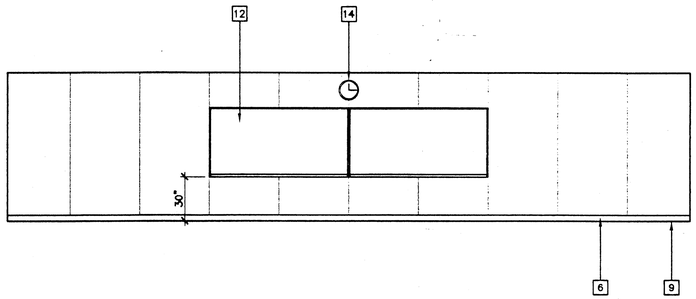
PROJECT NO.
PC-04-104801



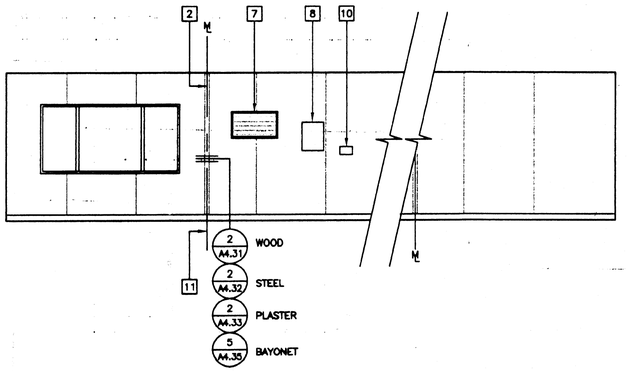
① LEFT SIDE ELEVATION



② FRONT ELEVATION



③ RIGHT SIDE ELEVATION



④ REAR ELEVATION

KEY NOTES

1. TYPICAL INTERIOR FINISH (FIN)
2. CLOSURE AT MODULAR JOINT
3. DUPLEX WALL RECEPTACLE (EL) 48" AFF
4. J-BOX FOR FIRE ALARM PULL STATION (EL) 48" AFF
5. LIGHT SWITCH (EL) 48" AFF
6. BASE
7. RETURN AIR GRILL
8. ELECTRICAL PANEL (EL)
9. FINISH FLOOR LINE (FIN)
10. THERMOSTAT (HV) 48" AFF
11. MODULAR JOINT
12. 2- 8'X4' MARKER BOARDS (SEE SPECIFICATIONS FOR TYPE)
13. FIRE EXTINGUISHER: 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING ON WALL MOUNTED BRACKET, HANDLE AT 48" AFF
14. ELECTRIC CLOCK (EL)

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APR 30 2003

PC
CBC 2001

INTERIOR ELEVATIONS

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

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
5					REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA 030402 LICENSE EXPIRES 6-30-2004	LICENSED ARCHITECT GEORGE C. EDWARDS C-2958 REN. 9-30- STATE OF CALIFORNIA	PC-04 104801 AC FLS DATE 5/2/03
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MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

INTERIOR ELEVATIONS

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.
A5.01

PC- 04-104801 PROJECT NO.

HARDWARE SET #1 (EXTERIOR)

LOCKSET	–	SCHLAGE D70PD, RHODES LEVER, OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
CLOSER	–	NORTON 8501 BFDP OR EQUAL.
THRESHOLD	–	PEMCO 271A OR EQUAL.
DOOR BOTTOM	–	PEMCO 216AV OR EQUAL.
WEATHER-STRIP	–	PEMCO 299AV OR EQUAL.

HARDWARE SET #2 (INTERIOR PASSAGE)

LOCKSET	–	SCHLAGE D10S WITH RHODES LEVER, OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1279 4 1/2"x4 1/2" OR EQUAL.

HARDWARE SET #3 (EXTERIOR)

LOCKSET	–	SCHLAGE D70PD, WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
STOP	–	RIXON 9 SERIES STEEL DOOR STOP
THRESHOLD	–	PEMCO 271A OR EQUAL
DOOR BOTTOM	–	216AV OR EQUAL
WEATHER STRIP	–	PEMCO 299V OR EQUAL

HARDWARE SET #4 (INTERIOR DOUBLE LOCKABLE)

LOCKSET	–	SCHLAGE D66PD, WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

HARDWARE SET #5 (INTERIOR TOILET ROOM/PRIVACY)

LOCKSET	–	SCHLAGE D40S WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

HARDWARE SET #6 (INTERIOR STOREROOM)

LOCKSET	–	SCHLAGE D80PD WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

HARDWARE SET #7 (PANIC)

LOCKSET	–	VON DUPRIN 99L PANIC HARDWARE WITH TRIM OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
CLOSER	–	NORTON 8501 BFDP OR EQUAL.
THRESHOLD	–	PEMCO 271A OR EQUAL.
DOOR BOTTOM	–	PEMCO 216AV OR EQUAL.
WEATHER-STRIP	–	PEMCO 299AV OR EQUAL.
DOOR PULL	–	TO BE DETERMINED...

HARDWARE SET #8 (EXTERIOR)

LOCKSET	–	SCHLAGE D70PD WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
THERESHOLD	–	PEMCO 271A OR EQUAL
DOOR BOTTOM	–	PEMCO 216AV OR EQUAL
WEATHER-STRIP	–	PEMCO 299AV OR EQUAL

NO CLOSER PERMITTED

NOTE: PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1007.3.10

HARDWARE SCHEDULE 7

DATE SIGNED
APR 18 2003

DOOR NUMBER	DOOR TYPE	QUANTITY	FRAME OPENING WIDTH	FRAME OPENING HEIGHT	DOOR MATERIAL	FIRE RATING	HARDWARE SET NO.	FRAME MATERIAL	JAMB THROAT	REMARKS
1	A		3'-0"	6'-8"	HM		1	HM	5-1/8"	

AL – ALUMINUM
HC – HOLLOW CORE WOOD
HM – HOLLOW METAL – PRESSED STEEL KD TYPE
HMW – HOLLOW METAL WELDED
SC – SOLID CORE WOOD
SCL – SOLID CORE WOOD LEGACY
SST – STAINLESS STEEL
STL – STEEL FRAME, 16 GA FULLY WELDED, GALV AT EXTERIOR, REPUBLIC "ME" SERIES. PAINT TO MATCH TRIM.
WWF – WINDOW WALL FRAME

DOOR SCHEDULE 4

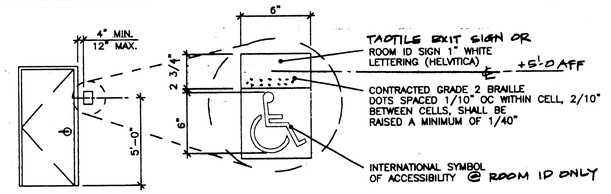
TYPE A

DOOR NOTES

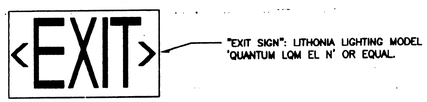
1. DOOR HANDLES FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF & DEAD BOLTS AT 44" AFF. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK UON DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
3. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5.0 LBS AT EXTERIOR DOORS AND 5.0 LBS AT INTERIOR DOORS.
4. PLACE SIGN OVER EXIT DOORS: "THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS"
5. SIGNAGE IS NOT IN MODTECH CONTRACT

DOOR ELEVATIONS 5

ACCESSIBILITY SIGNAGE (BY DISTRICT) 6



ENTRY DOOR FROM EXTERIOR VIEW
(TACTILE SIGN @ INTERIOR ONLY)



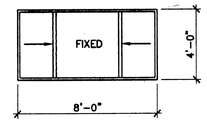
"EXIT SIGN": LITHONIA LIGHTING MODEL 'QUANTUM LQM EL N' OR EQUAL.

PC
CBC 2001

SEE FLOOR PLAN FOR LOCATION AND ARROW DIRECTION

WINDOW NUMBER	QUANTITY	FRAME OPENING WIDTH	FRAME OPENING HEIGHT	FINISH	REMARKS
A		8'-0"	4'-0"	1	SEE NOTES #1 & 2

WINDOW SCHEDULE 1



TYPE A

WINDOW NOTES

1. ALUMINUM GLAZING, 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR OF 46%, ALL OPERABLE SASH SHALL HAVE SCREENS.
2. DUAL PANE.

WINDOW FINISH OPTIONS

1. CLEAR ANODIZED
2. BRONZE ANODIZED
3. PAINTED

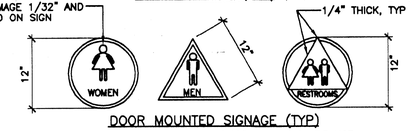
WINDOW ELEVATIONS 2

CORRESPONDING GRADE II BRAILLE TYPICAL

WALL-SIGNAGE (TYP)

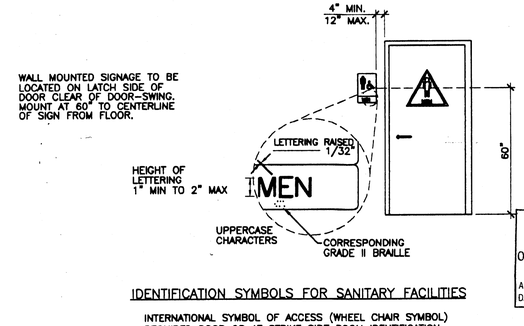
RAISED IMAGE 1/32" AND CENTERED ON SIGN

1/4" THICK, 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

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DATE MAY 20 2003

TOILET ROOM SIGNAGE (BY DISTRICT) 3

FILE PATH: 2440-A6.01.DWG

PROJECT NO. PC- 04-104801

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
REG. NO. C 2556
REN. 9-30-03
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 5/16/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

SCHEDULES

A6.01

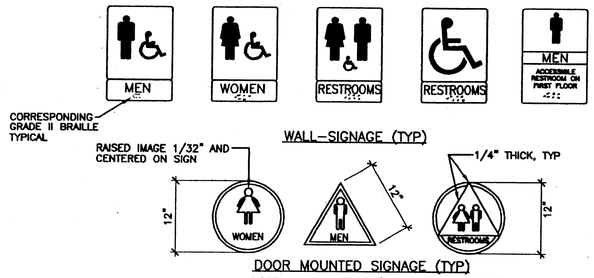
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES							REMARKS
		FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	
				NORTH	EAST	SOUTH	WEST			
101	CLASSROOM	A	D	G	G	G	G	Q	8'-6"	
104	TOILET ROOM	B	F	N	N	N	N	Q	8'-0"	

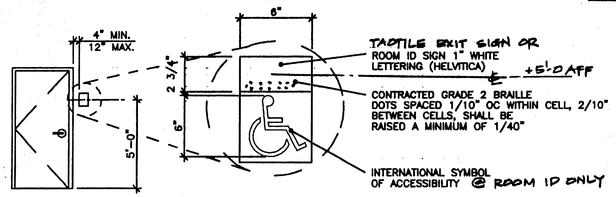
A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
B – VINYL SHEET FLOORING
C – VCT. ARMSTRONG STANDARD OR EXCELON OR EQUAL
D – TOP SET BASE – 4"
E – TOP SET BASE – 6"
F – SELF COVE BASE – 6"
G – 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING. FLAME SPREAD NOT TO EXCEED 65. SMOKE DENSITY RATING 175
H – 1/8" MARLITE OVER 1/2" GYP BOARD OR 3/8" MARLITE FLAME SPREAD CLASS 3
J – 1/2" WR GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
K – 3/8" WR GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
L – 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
M – 3/8" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
N – 3/32" FRP OVER 1/2" WR GYP BOARD. CLASS "A" FLAMESPREAD NOT TO EXCEED 25. SMOKE DEVELOPED NOT TO EXCEED 450
P – NO FINISH
Q – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
R – 1/2" GYP BD PANELS (PAINTED) IN CEILING GRID

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH MODTECH'S SPECIFICATIONS AND WITH CBC CHAPTERS 3, 6, 7, 8 AND 10 AND CFC AND TITLE 19 CCR
2. PREPARATION FOR SUBFLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUBFLOOR IS 2-4-1 PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND BY FLOORING CONTRACTOR. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.



ACCESSIBILITY SIGNAGE (BY DISTRICT)



ENTRY DOOR FROM EXTERIOR VIEW
(TACTILE SIGN @ INTERIOR ONLY)

TOILET ROOM SIGNAGE (BY DISTRICT)

DOOR NUMBER	DOOR TYPE	QUANTITY	FRAME OPENING WIDTH	FRAME OPENING HEIGHT	DOOR MATERIAL	FIRE RATING	HARDWARE SET NO.	FRAME MATERIAL	JAMB THROAT	REMARKS
1	A	1	3'-0"	7'-0"	HM		7	HM	5 1/4"	
2	A	1	3'-0"	7'-0"	HM		5	HM	5 3/8"	

AL – ALUMINUM
HC – HOLLOW CORE WOOD
HM – HOLLOW METAL – PRESSED STEEL KD TYPE
HMW – HOLLOW METAL WELDED
SC – SOLID CORE WOOD
SCL – SOLID CORE WOOD LEGACY
SST – STAINLESS STEEL
STL – STEEL FRAME. 16 GA FULLY WELDED, GALV AT EXTERIOR, REPUBLIC "ME" SERIES. PAINT TO MATCH TRIM.
WWF – WINDOW WALL FRAME

HARDWARE SET #1 (EXTERIOR)

LOCKSET	–	SCHLAGE D70PD, RHODES LEVER, OR EQUAL.
BUTTS	–	1 1/2" PAIR HAGER BB1191 4 1/2"x4 1/2" NRP 26D OR EQUAL.
CLOSER	–	NORTON 8501 BFDP OR EQUAL.
THRESHOLD	–	PEMCO 271A OR EQUAL.
DOOR BOTTOM	–	PEMCO 216AV OR EQUAL.
WEATHER-STRIP	–	PEMCO 299AV OR EQUAL.

HARDWARE SET #5 (INTERIOR TOILET ROOM/PRIVACY)

LOCKSET	–	SCHLAGE D40S WITH RHODES LEVER OR EQUAL
BUTTS	–	1 1/2" PAIR HAGER BB1279 4 1/2"x4 1/2" 26D OR EQUAL.

DATE SIGNED APR 30 2003

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 10529 AC FLS SS DATE MAY 2 2004

PC

CBC 2001

FILE PATH: 2440-A6.02.DWG

PROJECT NO. PC-04-104801

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 STRUCTURAL STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2004	LICENSED ARCHITECT JESSE C. EDWARDS REN. 6-30-03 STATE OF CALIFORNIA	PC-04 104801 AC FLS SS DATE 5/2/03
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4					
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MODTECH INC.
2830 BARRETT AVENUE PERRIS, CALIF. 92571
PH (909) 943-4014 FAX (909) 940-0427

PROJECT NUMBER:
PLANZ ELEMENTARY GREENFIELD U.S.D.
1-24x40 CLASSROOM STKP-70 CL 2433
SERIAL #50922-01/02 A# 04-105299

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

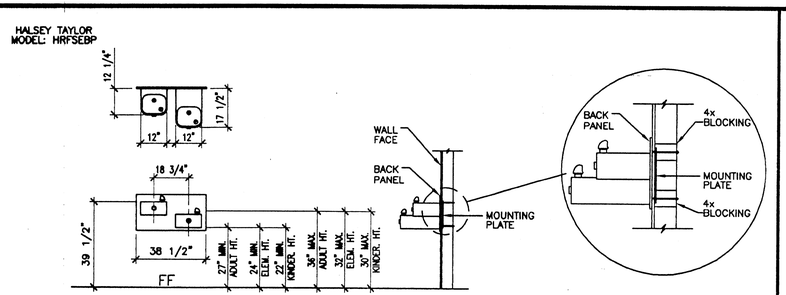
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

SCHEDULES

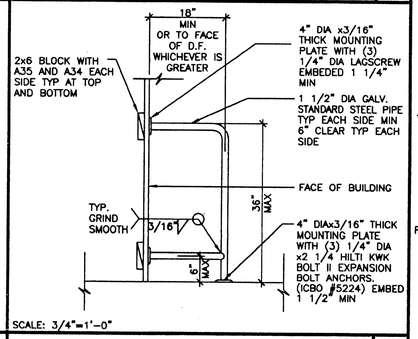
A6.02

6 | 7 | 4 | 1 | 8 | 5 | 2 | 3



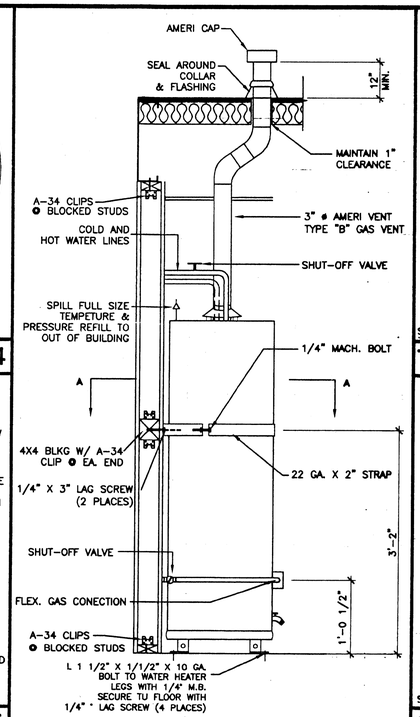
SCALE: 1/2"=1'-0"

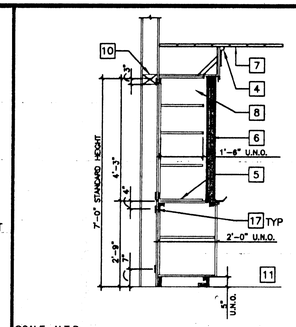
DRINKING FOUNTAIN BLOCKING DETAIL | 14



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

| 19 | D.F. BARRIER RAIL | 15





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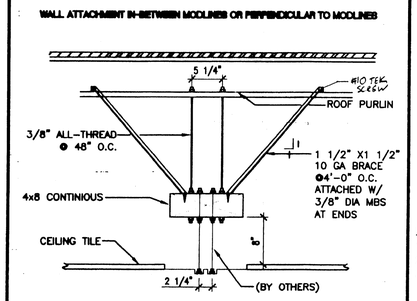
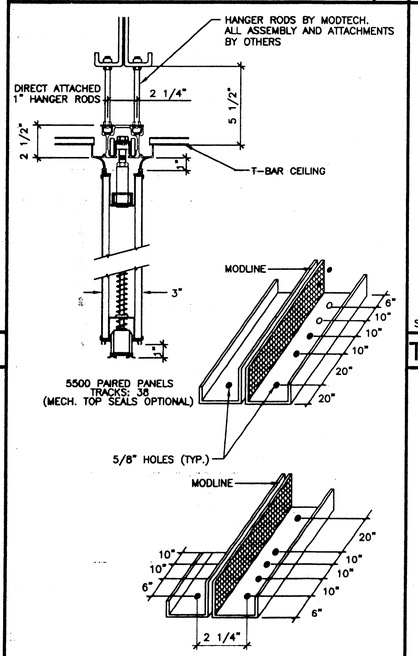
TEACHING WALL SECTION | 6



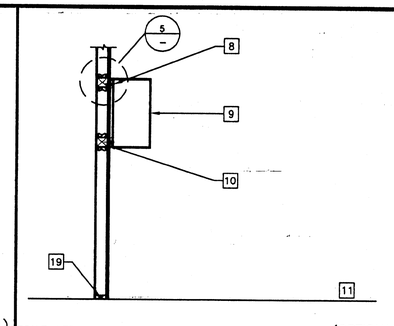
SCALE: NTS

OPERABLE WALL ATTACHMENT | 7



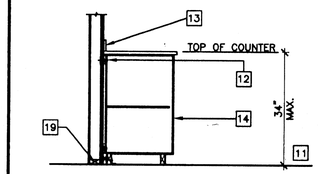
WALL ATTACHMENT AT MODLINES

SCALE: N.T.S.



SCALE: NTS (OPTIONAL)

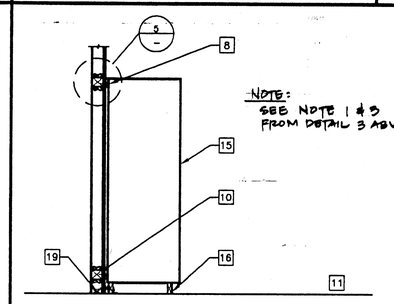
WALL HUNG CABINET ANCHORAGE | 2



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.

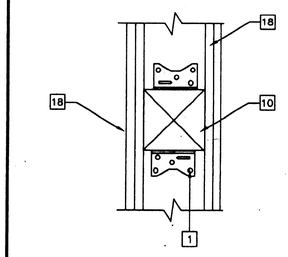
SCALE: NTS (OPTIONAL)

BASE CABINET ANCHORAGE | 3



SCALE: NTS (OPTIONAL)

TALL CABINET ANCHORAGE | 4

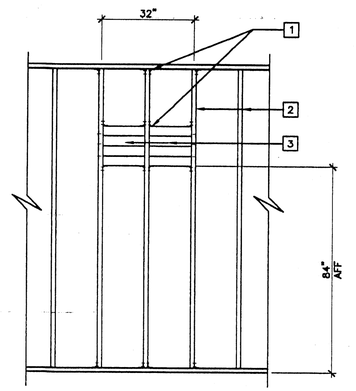


SCALE: 3"=1'-0"

KEY NOTES

1	A34 FRAMING CLIP (TYP)
2	2x4 STUDS AT 16" O.C. TYP
3	4x BLOCKING
4	PROJECTION SCREEN
5	MODULAR PLASTIC LAMINATE CABINET
6	SLIDING MARKER BOARDS
7	CEILING
8	#12 WOOD SCREWS MIN. 12" OC MIN 2 1/2" INTO 3x4 BLOCKING 2 SCREWS PER CABINET AT EACH BACKING LOCATIONS TYPICAL
9	WALL HUNG CASEWORK
10	ANCHORAGE: 4x4 BLOCKING WITH PAIR OF SIMPSON A34 FRAMING CLIPS EACH END OF EACH BLOCK VERIFY VERTICAL SPACING
11	FINISH FLOOR
12	4"x22 GA CONTINUOUS METAL STRAPS WITH #14 STSMS AT 24" OC
13	BACK SPLASH
14	BASE CABINET
15	TALL CASEWORK
16	TOP SET BASE
17	4"x 16 GA. METAL STRAP BRACING W(2) 16d EA STUD
18	INTERIOR FINISH (FIN)
19	BOTTOM PLATE

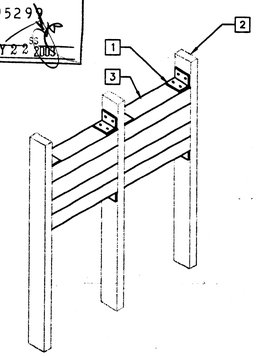
TV MAX. WEIGHT= 100 LBS



(ELEV. VIEW)

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 10529
AC. FLS SS
DATE MAY 2 2 2003

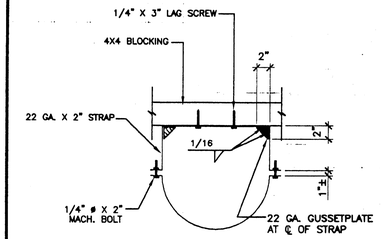


(ISO VIEW)

SCALE: N.T.S. (OPTIONAL)

TV BLOCKING DETAIL | 1

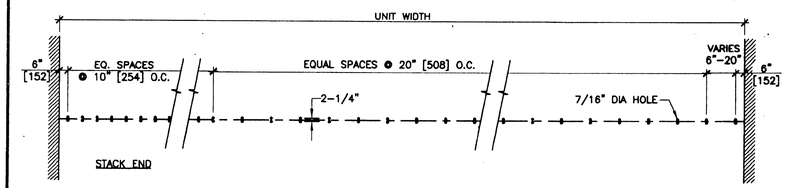
| 20 | | 16 | WATER HEATER BRACING | 12



SECTION A-A

SCALE: 1"=1'-0"

PC
CBC 2001



DATE SIGNED
APR 10 2003

SCALE: N.T.S.

| 21 | OPERABLE WALL ATTACHMENT (HANGER ROD LAYOUT) | 13

OPERABLE WALL ATTACHMENT | 9

BLOCKING DETAIL | 5

TV BLOCKING DETAIL | 1

FILE PATH: 2440-A7.01.DWG

PROJECT NO. PC-04-104801

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EVANS Lic. No. C 2956 REN. 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
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DATE 5/7/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

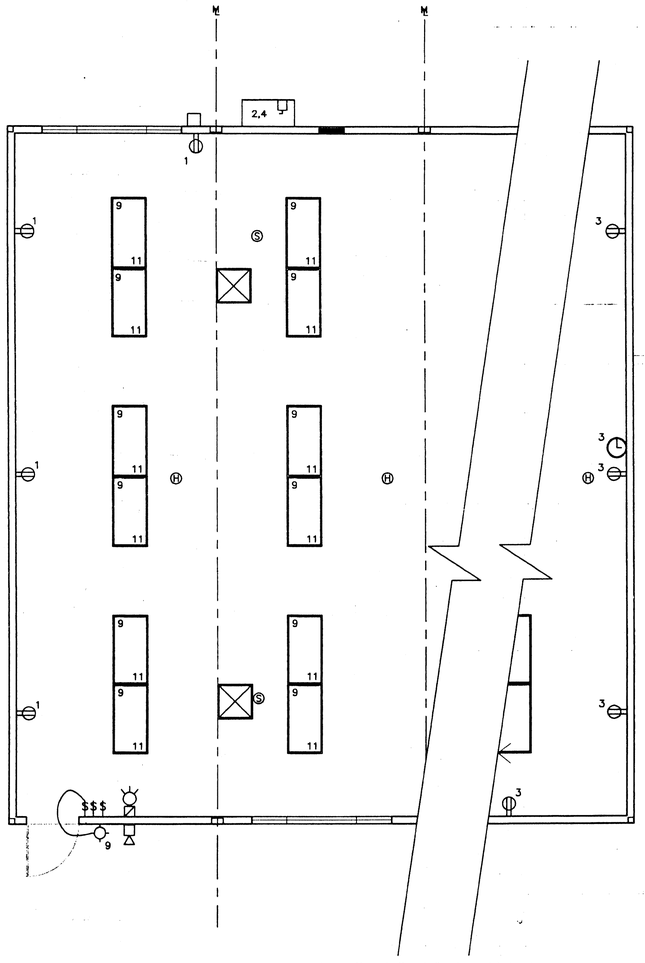
MISCELLANEOUS OPTIONS

A7.01

ELECTRICAL PANEL SCHEDULE

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

LOAD	WATTS A#	WATTS B#	BREAKER Amps	BREAKER 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		900	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 = 8740	1620	1740									7120	7080	B = 8820 WATTS/PHASE
TOTAL 17560 WATTS	73 AMPS				120/240 VOLTS			SINGLE ϕ			THREE WIRE		



ELECTRICAL PLAN (12–LIGHTS)

SCALE: 1/4" = 1'–0"

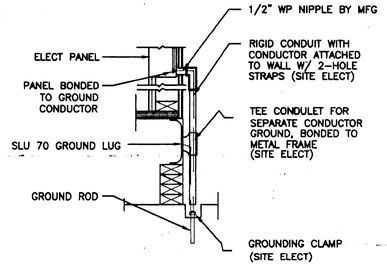
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 27 2003

DATE SIGNED APR 18 2003

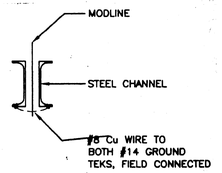
PC
CBC 2001

GENERAL GROUNDING NOTES

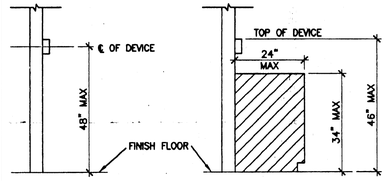
1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST 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 AT MOD LINE | 2



DEVICE MOUNTING | 3

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE WITH T–8 ELECTRONIC BALLAST
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- $ SWITCH AT +48" AFF
- $3 3WAY SWITCH AT +48" AFF UON
- 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 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 +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- EXIT LIGHTED EXIT SIGN WITH BATTERY BACK UP (SEE NOTE 3 BELOW FOR CODE)
- Ⓗ 4SD J–BOX FOR HEAT DETECTOR (ATTIC) MAX 35' FROM ANY POINT IN ATTIC BAY AND 50' BETWEEN THEM. * (TO BE SITE SPECIFIC)
- Ⓢ 4SD J–BOX FOR SMOKE DETECTOR (CEIL.) MAX. 21' FROM ANY POINT IN ROOM AND 30' BETWEEN THEM. * (TO BE SITE SPECIFIC)

NOTES

NOTE FOR THE DESIGN PROFESSIONAL:
THE FOLLOWING INSTRUCTIONS ARE MEANT TO BE FOLLOWED. THE DESIGN PROFESSIONAL SHALL PROVIDE ANCHORAGE CALCULATIONS AND DETAILS WITH THE SUBMITTAL PACKAGE, USING THE FOLLOWING DESIGN CRITERIA AND SHOULD BE READY TO POINT OUT DURING THE BACKCHECK PROCESS TO THE PLAN REVIEWER ANY EQUIPMENT FOR WHICH ANCHORAGE DETAILS ARE NOT PROVIDED.

1. SCHOOL EQUIPMENT ANCHORAGE

INSTRUCTIONS

ALL EQUIPMENT/COMPONENTS DIRECTLY SUPPORTED ON THE GROUND OR ROOF WITH Wp EXCEEDING 400 lbs., EQUIPMENT WEIGHING MORE THAN 20 lbs. SUSPENDED FROM A ROOF, FLOOR OR HUNG FROM A WALL SHALL HAVE ITS CORRESPONDING STRUCTURAL CALCULATIONS AND ANCHORAGE DETAIL(S) SHOWN ON THE PLANS, PRIOR TO SUBMITTAL FOR PLAN REVIEW AND BACKCHECK. ALL EQUIPMENT (REGARDLESS OF WEIGHT) SHALL HAVE THEIR CONNECTION TO THE STRUCTURE SHOWN IN THE PLANS

DESIGN CRITERIA

a) THE SEISMIC ANCHORAGE FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE:

1– CALCULATED AS SPECIFIED IN SECTION 1632A AND TABLE 16A–O OF THE VOL. 2, TITLE 24, 2001 CBC.

2– IN LIEU OF CALCULATIONS PER 1– THE ANCHORAGE SHALL BE CAPABLE OF WITHSTANDING A LATERAL FORCE EQUAL TO 2.2 Wp ACTING SIMULTANEOUSLY WITH A VERTICAL FORCE *EQUAL TO 0.72 Wp (BOTH FORCES AT SERVICE LEVEL. THESE VALUES CORRESPOND TO AN Ip=1.15 AND Ca=0.66, FOR OTHER VALUES OF Ip AND Ca, THE LATERAL AND VERTICAL FORCE CAN BE ADJUSTED ACCORDINGLY)

*INCLUSION OF VERTICAL FORCE PER TABLE 16–O FOOTNOTE 20 (FOR EMERGENCY POWER SUPPLIES AND COMMUNICATIONS EQUIPMENT ONLY)

b) THE CAPACITY OF THE ANCHORAGE CONNECTORS IN SHEAR AND/OR TENSION SHALL BE CLEARLY INDICATED IN THE CALCULATIONS, WHICH INDICATE, ICBO REPORT No. (IF APPLICABLE) THEIR TOTAL NUMBER, SIZE, GRADE, EMBEDMENT, EDGE DISTANCES, AND OTHER FACTORS WHICH AFFECT THE CAPACITY IN SHEAR TENSION.

ANCHORAGE DETAILS FOR EQUIPMENT WHICH ARE NOT APPROVED DURING PLAN REVIEW ARE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND DSA'S DISTRICT STRUCTURAL ENGINEER PRIOR TO INSTALLATION AND INSPECTION BY THE PROJECT INSPECTOR.

2. SMOKE AND HEAT DETECTORS SHOWN ARE FOR OPTIONAL AUTOMATIC DETECTION. IF ELECTED AS AN OPTION, MODTECH WILL PROVIDE 4SD BOXES AND ¾"CO. ON UNDERSIDE OF ROOF PURLINS. DEVICES PROVIDED AND INSTALLED BY OTHERS.
3. PROVIDE EXITS SIGNS AND EMERGENCY ILLUMINATION FIXTURES AS REQUIRED BY CBC 1003.2.8 AND CBC 1003.2.9
   EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH. EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN.
   EXCEPTION: WHERE AN OCCUPANT LOAD IS LESS THAN 50

4012-125

FILE PATH: 2440–E1.03.DWG

PC– 04–104801 PROJECT NO.

REVISIONS

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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. 42102 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. ERICKSON No. C 2956 REN 9-30 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC–04
104801
AC FLS SS INV
DATE 5/1/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

ELECTRICAL PLAN (12 LIGHTS)

E1.03

CLASS LEASING, INC.

P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS
RELOCATABLE CLASSROOMS

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2

2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-95. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels-minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.

3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-1981 & 2005 edition of **NDS** (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 200 NDS. Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.

4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2005 NDS Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 9.3 in NDS

5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.

6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2005 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.
Screws shall be steel with cut threads and bending yield strengths per Table 11.3 in NDS.

7. Wood members shall be cut or notched only as shown on structural drawings.

8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.

9. Structural nailing shall be with BOX NAILS per all requirements of 2005 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)

10. Nail equivalence:
(provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

6d equals .113" DIA. - provide 1.36" minimum point penetration
8d equals .131" DIA. - provide *1.57" minimum point penetration
10d equals .148" DIA. - provide *1.78" minimum point penetration
16d equals .162" DIA. - provide *1.94" minimum point penetration
(* 1 1/2" at 2x members)

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members from agency approved by DSA. All foundation members shall be marked as "For ground contact (LP22)" or "For above ground use (LP2)" as appropriate. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated per LP2.

12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.

13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.

14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.

15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.

16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).

17. Used lumber in good condition is acceptable for use in foundation system.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the **LESSEE** (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater that 9" from level grade or have less than a **1000 PSF MINIMUM SOIL BEARING PRESSURE.**

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to either place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.
2. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.

2. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

1.02 SCOPE OF WORK:

1. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable building as defined herein, shown and detailed on the drawings. In the case of a Stockpile: the modular relocatable building is manufactured in-plant and stored off-site until such time that it is relocated from the off-site storage location and installed on-site.

2. All requirements of **CCR** (California Code of Regulation)Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:

a) General responsible charge of Field Administration by the Architect of Record.

b) Inspection during the course of construction by an Inspector approved by **DSA** (Division of the State Architect) and the District Architect. The Inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.

c) On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.

d) Other special tests or inspections as may be required by DSA.
Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.

2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.

3. Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

1.04 ACCESSIBILITY OF SITE:

The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

2.01 SITE ASSEMBLY:

1. Scope of Work: **Contractor** (Class Leasing Inc.) shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District and the District Architect.

2. Assembly of Elements:

a) In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.

b) The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.

c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.

2. Workmanship:

a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.

b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.

c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.

d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2010 CBC

2010 CALIFORNIA CODE OF REGULATIONS (CCR)
-2010 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

-2010 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
(2009 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
(2008 NATIONAL ELECTRICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2009 UNIFORM MECHANICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2009 UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

-2010 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

-2010 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2009 INTERNATIONAL FIRE CODE WITH 2010 CALIFORNIA AMENDMENTS)

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 85 MPH (V) (3 SECOND GUST), K_{ZT} = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = IBC AND CBC 2007

SEISMIC DESIGN DATA: **MOMENT FRAME PC'S**
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I: = 1.0 C_{S2} = 0.286 R: = 3.5 SITE CLASS = D
S_S = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8 1.3
S_{DS} = 1.0
S_1 = 1.3 per CBC Figure 1613A.5(2) S_{D1} = 1.3

SEISMIC DESIGN DATA: **SHEAR WALL PC'S**
Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I: = 1.0 C_{S2} = 0.154 R: = 6.5 SITE CLASS = D
S_S = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
S_{DS} = 1.0
S_1 = 1.3 per CBC Figure 1613A.5(2) S_{D1} = 1.3

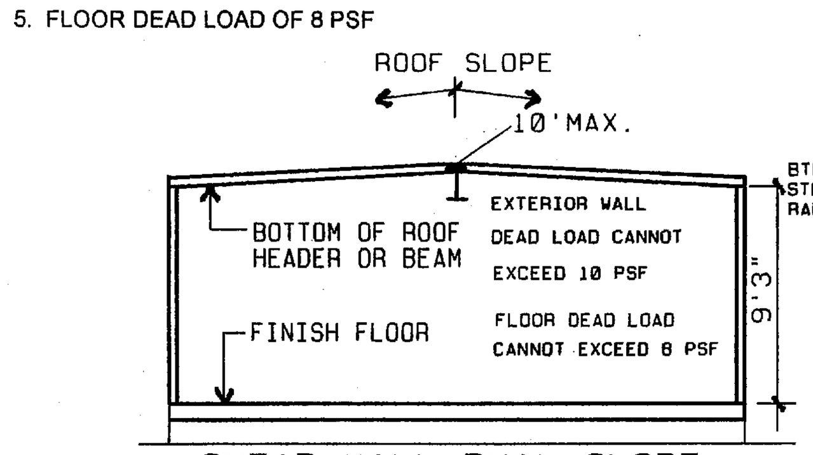
FLOOD DESIGN DATA: Project is not located in a flood zone

LIMITATIONS WOOD FOUNDATION PC ONLY:

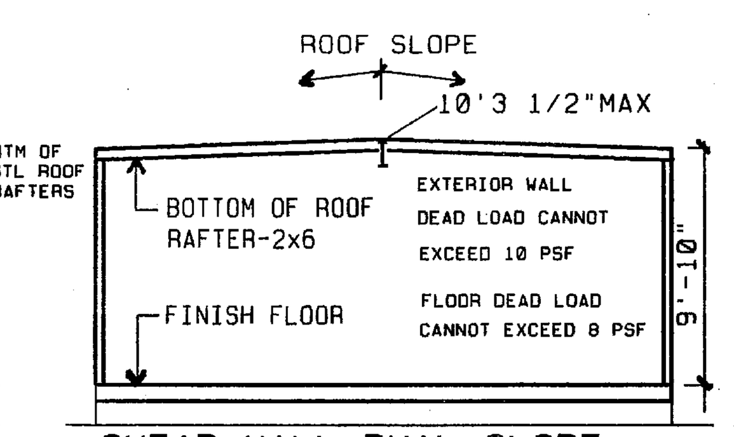
WOOD FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

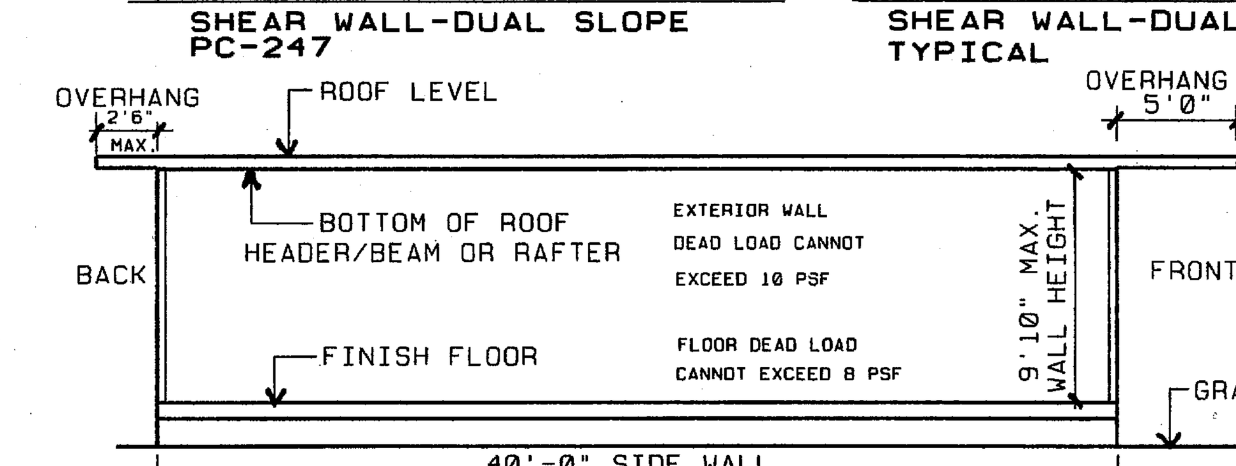
1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
(HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF



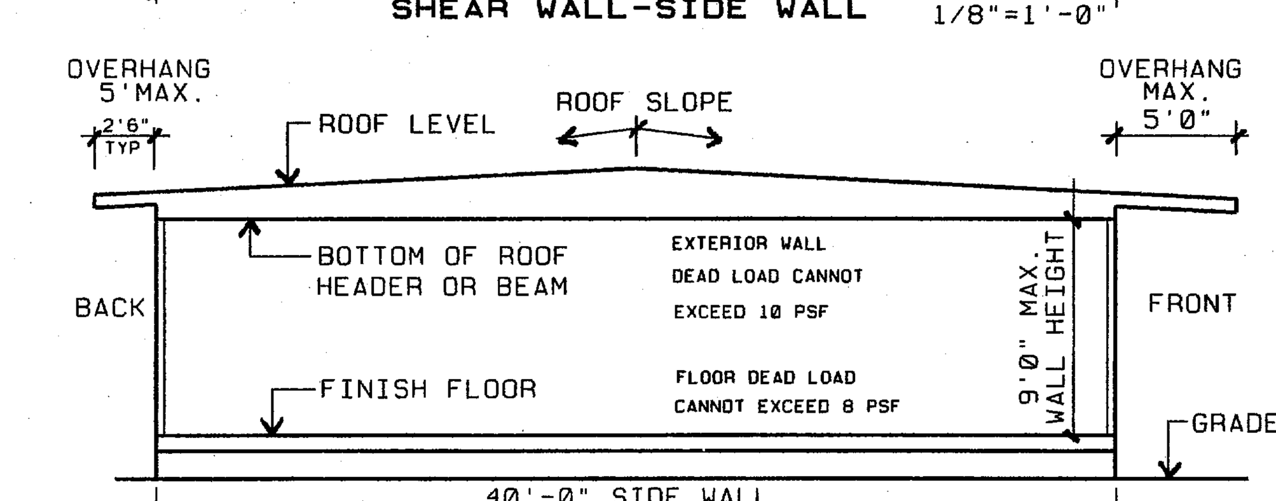
SHEAR WALL-DUAL SLOPE PC-247



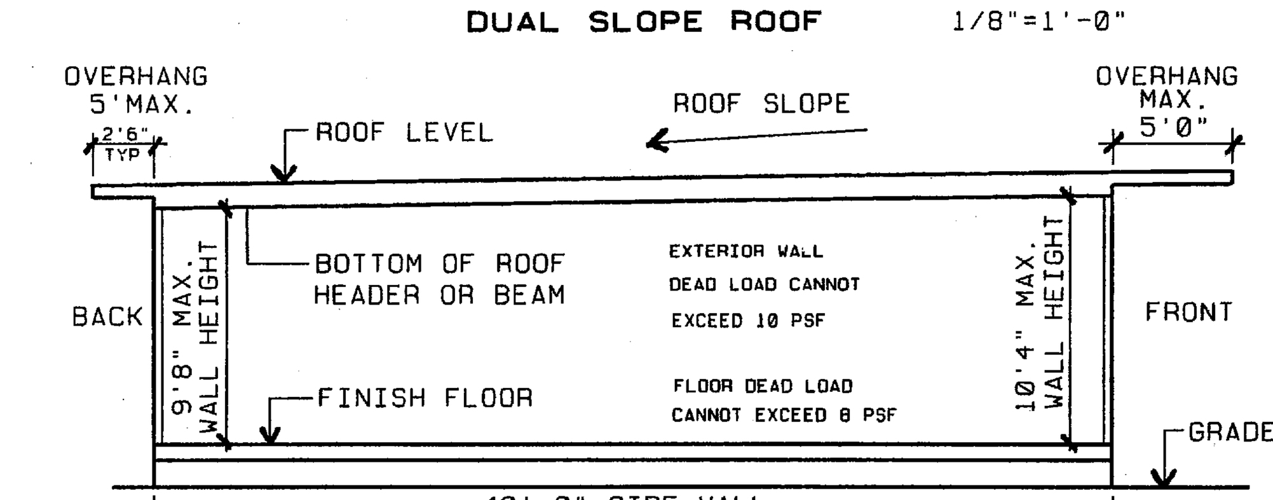
SHEAR WALL-DUAL SLOPE TYPICAL



SHEAR WALL-SIDE WALL 1/8"=1'-0"



DUAL SLOPE ROOF 1/8"=1'-0"



MONO SLOPE ROOF 1/8"=1'-0"

TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS
DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE
TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, INC.

SHEET INDEX: STOCKPILE BUILDING FOUNDATION PC# 04-111441 – 2010 CODE UPDATE

REGISTERED PROFESSIONAL ENGINEER JAMES SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2012

AUG 25

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER.

CLASS LEASING- APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA- 24x40 SHEAR WALL

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 1029	50643	SHR	10/21/88	24x40	50+20#	MODTECH
STKP 02	52512	48137-SHR	11/06/89	24x40	50#	MODTECH
STKP 01	52513	46750-SHR	11/06/89	24x40	50#	MODTECH
STKP 03	52514	SHR	11/06/89	24x40	50#	MODTECH
STKP 05	52515	45400-SHR	12/07/89	24x40	50#	AURORA
STKP 04	52516	SIM PC 29 SHR	12/07/89	24x40	50#	MODTECH
STKP 22	55113	PC 80	10/05/90	24x40	50#	MODTECH
STKP 24	55580	PC 95	06/14/94	24x40	50#	MODTECH
STKP 13	61957	PC 247	06/29/94	24x40	50#	MODTECH
STKP 77	57970	PC 247	11/10/97	24x40	50#	MODTECH

BUILDING DATA- 24x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 11	52482	MRF	06/13/91	24x40	50+20#	MODTECH
STKP 20	55031	PC 79	09/18/90	24x40	50#	MODTECH
STKP 21	55032	PC 79	09/19/90	24x40	50#	MODTECH
STKP 23	55347	PC 79	11/26/90	24x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	24x40	50+20#	MODTECH
STKP 14	57679	PC 96	03/19/92	24x40	50#	MODTECH
STKP 18	63288	PC 243	05/04/95	24x40	50#	MODTECH
STKP 19	63321	PC 242	05/11/95	24x40	50#	MODTECH
STKP 27	65493	PC 266	07/31/96	24x40	50#	MODTECH
STKP 31	66318	PC 266	11/12/96	24x40	50+20#	MODTECH
STKP 33	67333	PC 266	03/11/97	24x40	50#	MODTECH
STKP 35	04-100117	PC 266	01/15/98	24x40	50+20#	MODTECH
STKP 39	04-100595	PC 275	08/10/98	24x40	50+20#	MODTECH
STKP 37	04-100596	PC 266	08/10/98	24x40	50+20#	MODTECH
STKP 40	04-100690	PC 282	09/03/98	24x40	50+20#	MODTECH
STKP 42	04-100929	PC 266	01/07/99	24x40	50+20#	MODTECH
STKP 43	04-101555	PC 275	09/09/99	24x40	50#	MODTECH
STKP 44	04-101602	PC 266	09/30/99	24x40	50+20#	MODTECH
STKP 48	04-101768	PC 101268	12/16/99	24x40	50#	MODTECH
STKP 51	04-102015	PC 101268	03/16/00	24x40	50#, 50+20#	MODTECH
STKP 53	04-102365	PC 101268	07/06/00	24x40	50+20#	MODTECH
STKP 56	04-102824	PC 101268	12/21/00	24x40	50#	MODTECH
STKP 62	04-104169	PC 101268	04/18/02	24x40	50+20#	MODTECH
STKP 67	04-104812	PC 101268	12/05/02	24x40	50+20#	MODTECH
STKP 70	04-105299	PC 104801	05/22/03	24x40	50+20#	MODTECH
STKP 76	04-105455	PC 104796	07/17/03	24x40	50#	MODTECH
STKP 78	04-109208	PC 106884	12/13/07	24x40	50#	CURRENT/SMI

BUILDING DATA- 36x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 15	52476	MRF	12/18/91	36x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	36x40	70#	MODTECH
STKP 32	66319	PC 266	11/12/96	36x40	50+20#	MODTECH
STKP 34	67332	PC 266	03/11/97	36x40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10/07/99	36x40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	08/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	07/11/02	36x40	50+20#	MODTECH
STKP 71	04-106419	PC 104801	07/29/04	36x40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	100#	MODTECH
STKP 74	04-108803	PC 107557	06/07/07	36x40	50+20#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50+20#	SMI
STKP 85	04-111101	PC 79	06/03/10	36x40	50+20#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	100#	MODTECH
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP 17	63289	PC 243	05/04/95	48x40	50+20#	MODTECH
STKP 41	04-100797	PC 266	10/22/98	48x40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10/07/99	48x40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04/18/02	48x40	50+20#	MODTECH

PRE-CHECK (PC) DOCUMENT
CODE: 2010 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-112161
AC ____ FLS ____ SS ____
DATE: FEB 01 2012

ACS: J. Schaible
FLS: F. Bore
SS: D. CONNOLLY

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

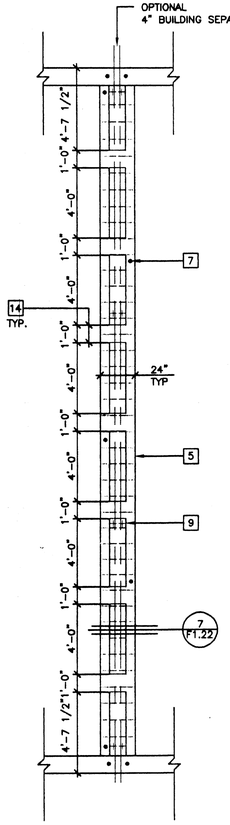
SCANNED

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

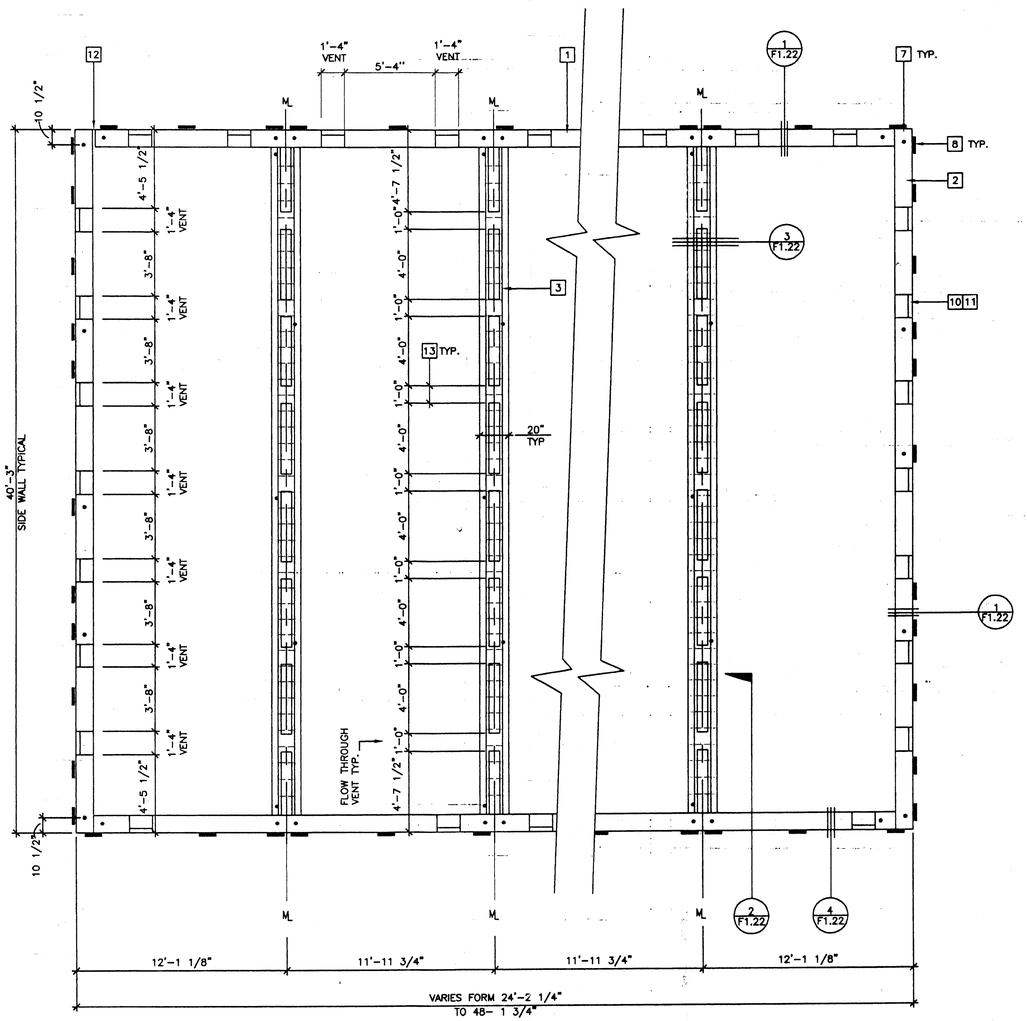
CLASS LEASING, INC.
STOCKPILE CLASSROOM
RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

24x40-50

DATE	08-15-2011
SCALE	
DRAWN	LAM-CLLS
JOB	
SHEET	F1.0



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)



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' (125 PSF)	960	6.4	(14) A	7.0	–	–	7.0
36'x40' (125 PSF)	1440	9.6	(14) A	7.0	3.00	(6) A	10.0
48'x40' (125 PSF)	1920	12.8	(14) A	7.0	6.00	(12) A	13.0

LEGEND	VENT	SIZE	AREA (SF)	GRATE SIZE
	A	4 1/2" X16"	0.50	4.5"X16"

TIE PLATE SCHEDULE

BUILDING	END WALL	SIDE WALL	TOTAL
24'x40'	6 EA.	6 EA.	24
36'x40'	8 EA.	8 EA.	32
48'x40'	11 EA.	11 EA.	44

VENT KEY PLAN

KEY NOTES

1. FOUNDATION AT END WALL
2. FOUNDATION AT SIDE WALL
3. FOUNDATION AT MODLINE
4. NOT USED
5. FOUNDATION PAD AT 4" SEPARATION
6. NOT USED
7. SILL RESTRAINT SEE NOTE 1
8. TIE PLATE SEE SCHEDULE F1.22 5/6 FOR DETAIL
9. 5/8" DIAx4" LAGS
10. FOUNDATION VENT
11. FOR VENTS THAT OCCUR UNDER LANDINGS PROVIDE EQUAL AREA SCREENED VENT IN LANDING SKIRT
12. 2" CUTOUT OF SILL PLATE FOR DRAINAGE. FIELD CREWS TO LOCATE AT LOWEST CORNER OF FOUNDATION
13. 4 1/2"x12" FLOW THROUGH VENT – 3/F1.22
14. 4 1/2"x12" FLOW THROUGH VENT – 7/F1.22

NOTES

1. SILL RESTRAINT: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0". ONE PIPE/ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP. PIPES TO PENETRATE INTO SOIL AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE CONSIDERED.
   ALTERNATE:
   ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE, 8" OC AT END WALLS AND 16" OC SIDE WALLS.
2. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS
3. A WOOD SILL (FOOTING) PLATE SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY. LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE IN-PLANT INSPECTOR.
4. FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE PER ORS IR 16-1.
5. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 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. BUILDINGS 2160 SQFT. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION.
7. NOTE: ON THE 125 PSF FOUNDATION:
   -CUSTOM DESIGN REQUIRED WITH CONCRETE FLOOR OPTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC. FLS SS
DATE MAY 22 2003

PC
CBC 2001

DATE SIGNED
APR 30 2003

FOUNDATION PLAN

125 PSF L.L.

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

4012-125

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
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
REG. NO. C-9936
REN. 8-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC. FLS SS DVL
DATE 5/21/03

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

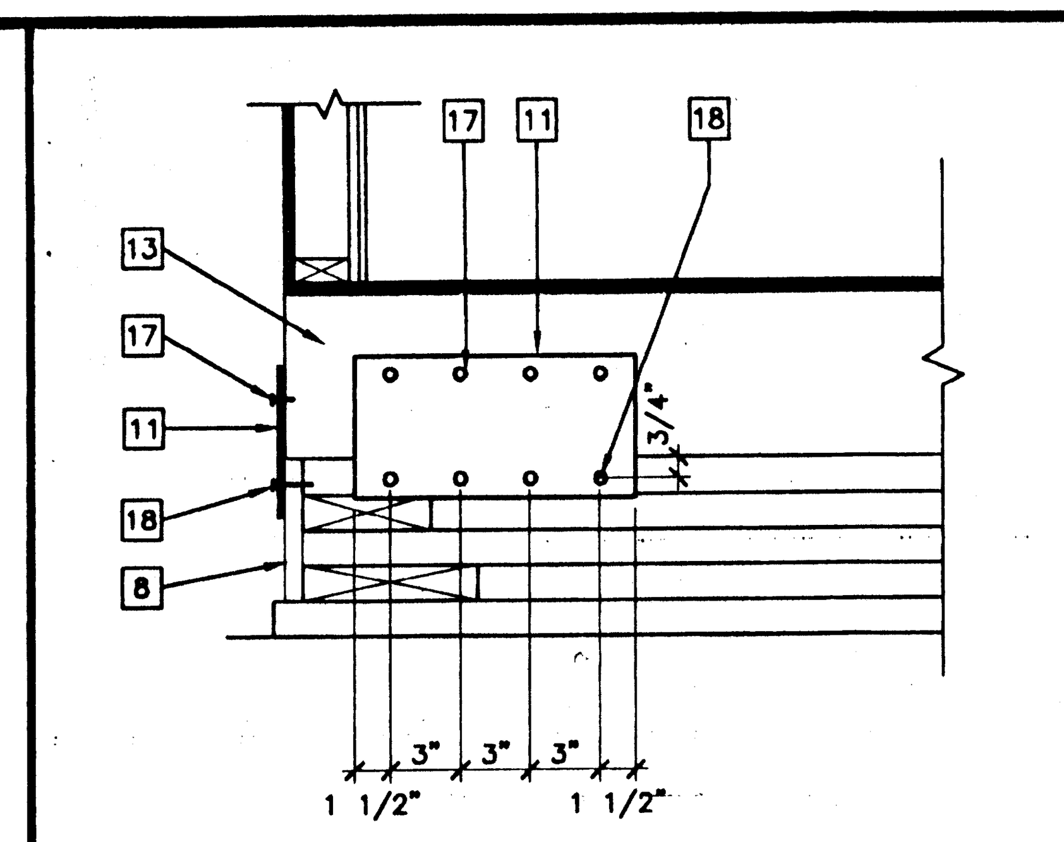
PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

FOUNDATION PLAN WOOD/125 PSF

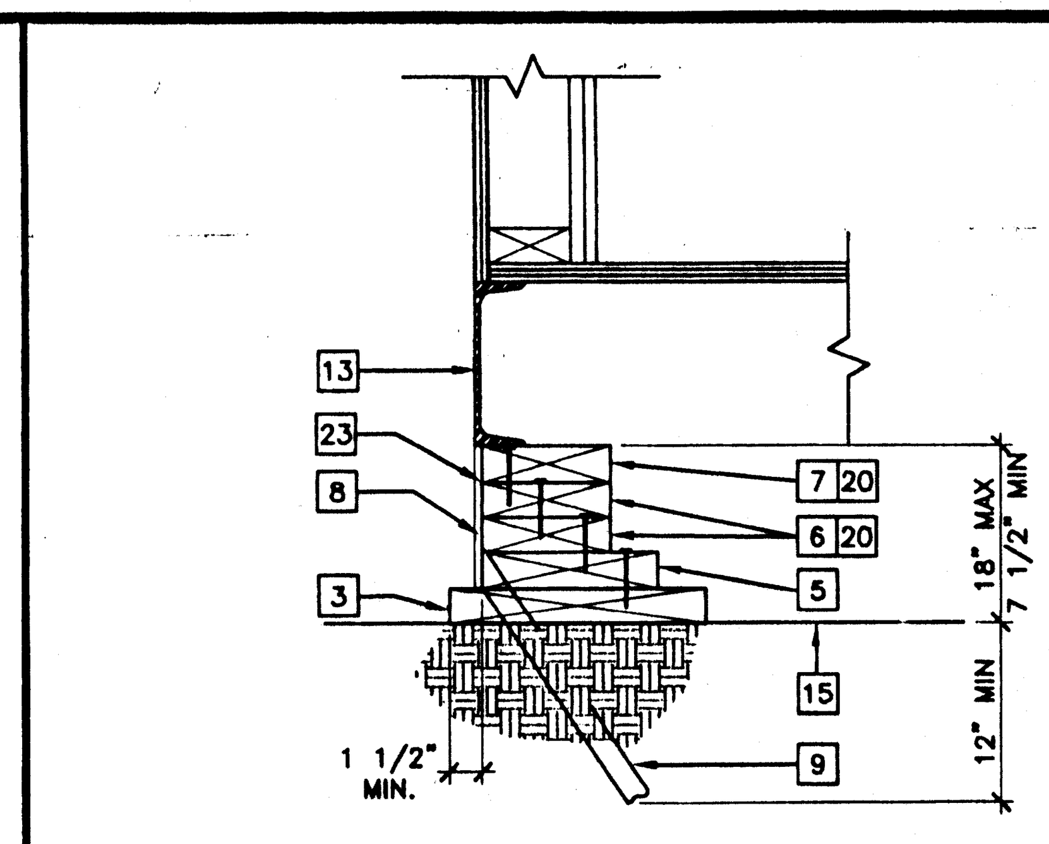
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.
F1.11



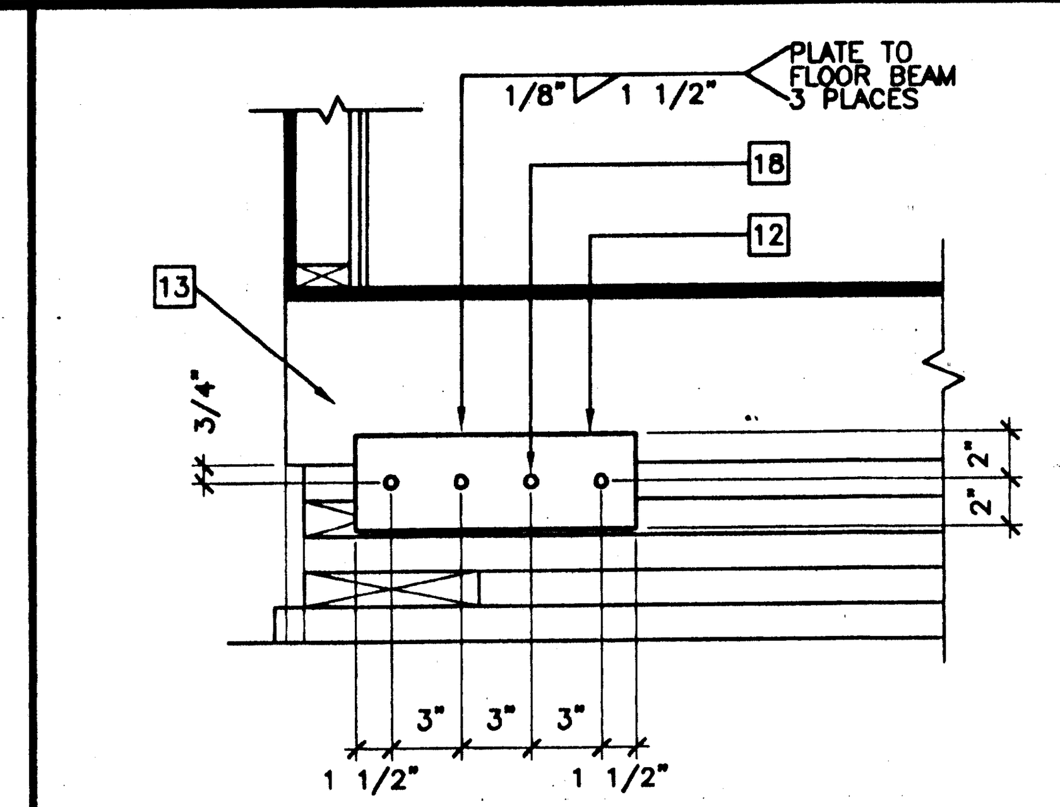
SCALE: 1 1/2"=1'-0" LAG BOLT TO FLOOR BEAM

TIE PLATE 5



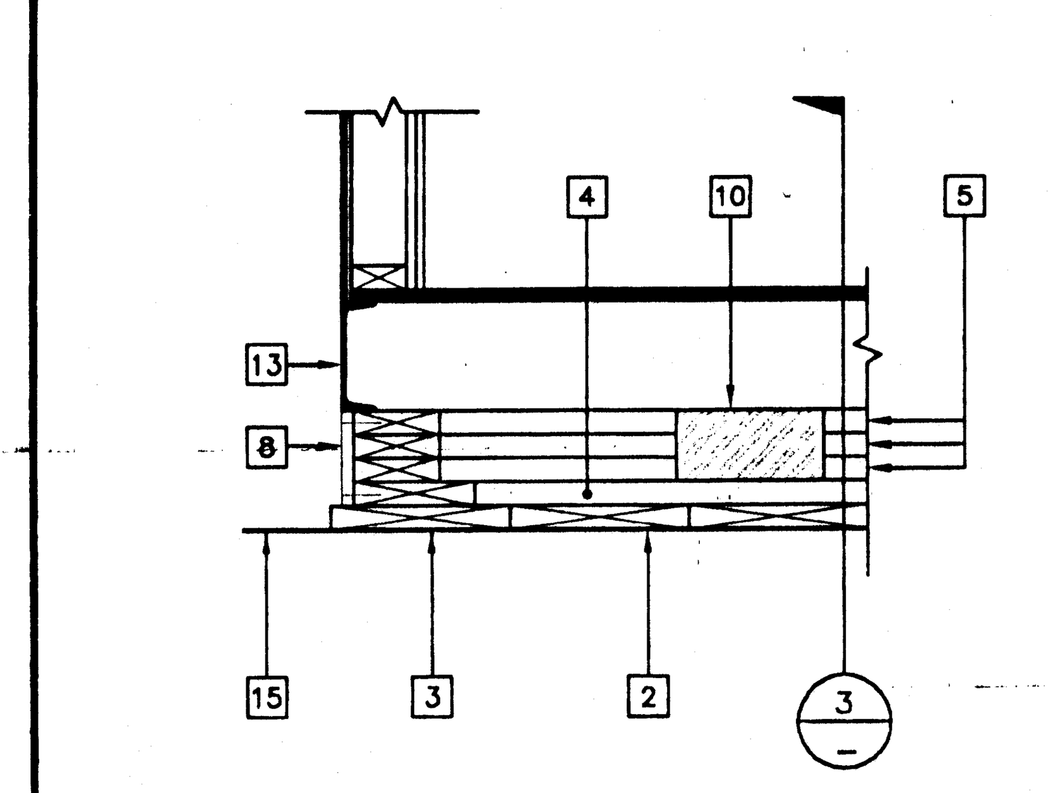
SCALE: 1 1/2"=1'-0"

FOUNDATION TYPICAL 1



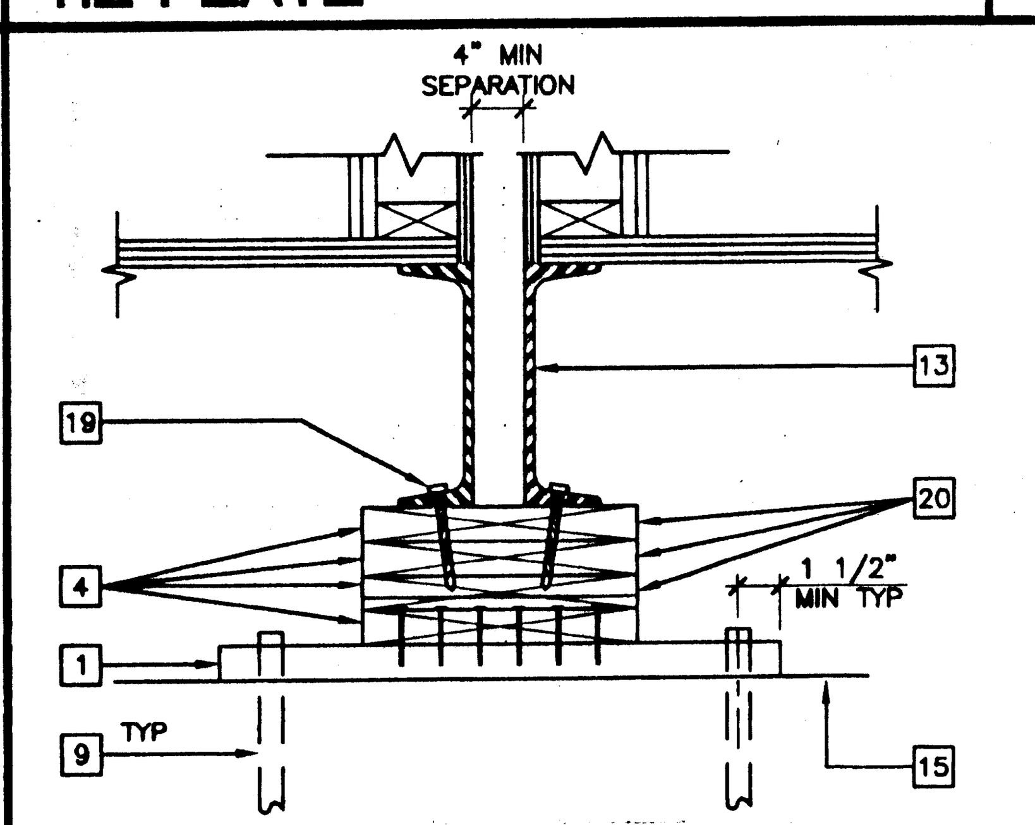
SCALE: 1 1/2"=1'-0" WELDED TO FLOOR BEAM

TIE PLATE (ALTERNATE) 6



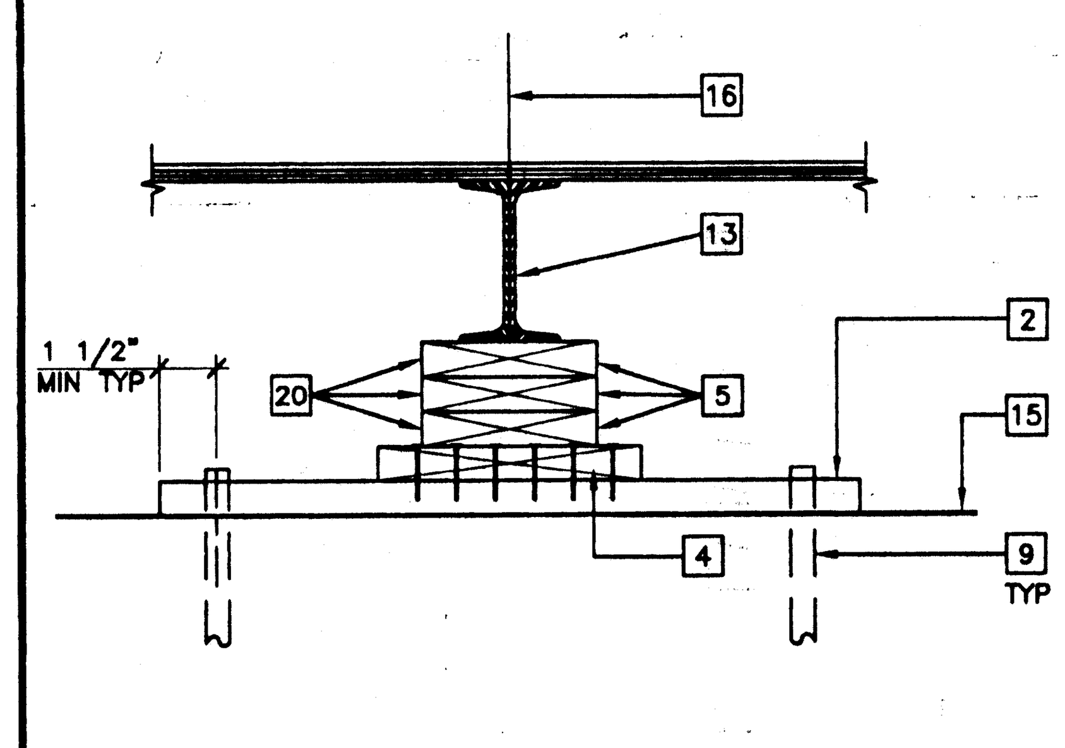
SCALE: 1"=1'-0"

MODLINE PAD AT END WALL 2



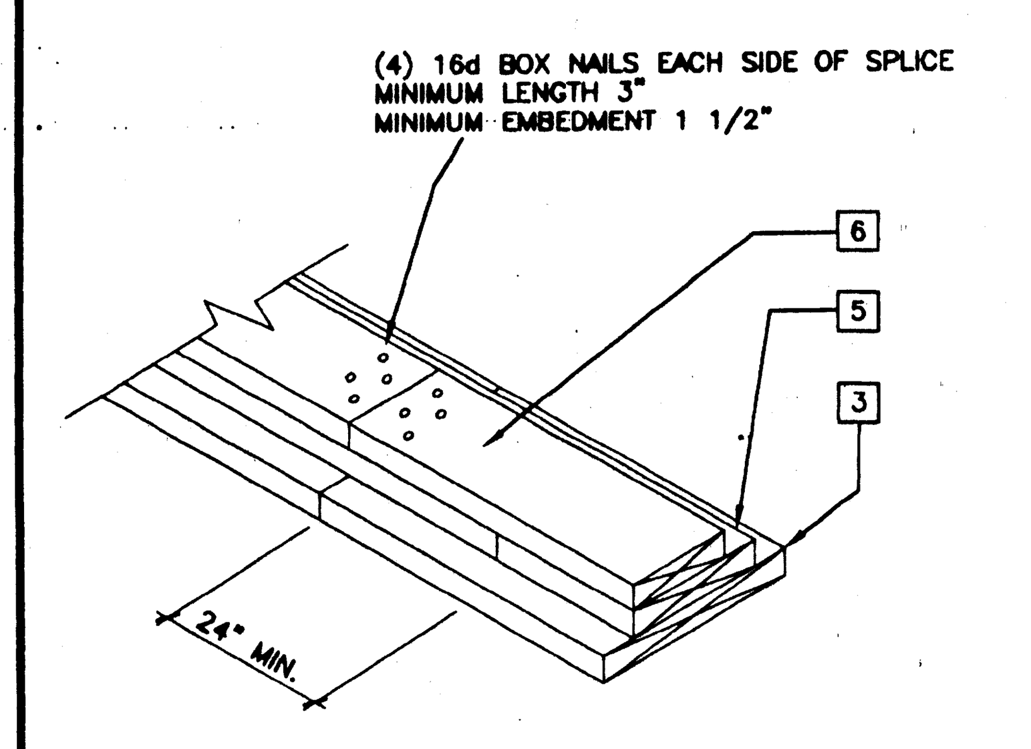
SCALE: 1 1/2"=1'-0" OPTIONAL

FOUNDATION AT ADJACENT BUILDING 7



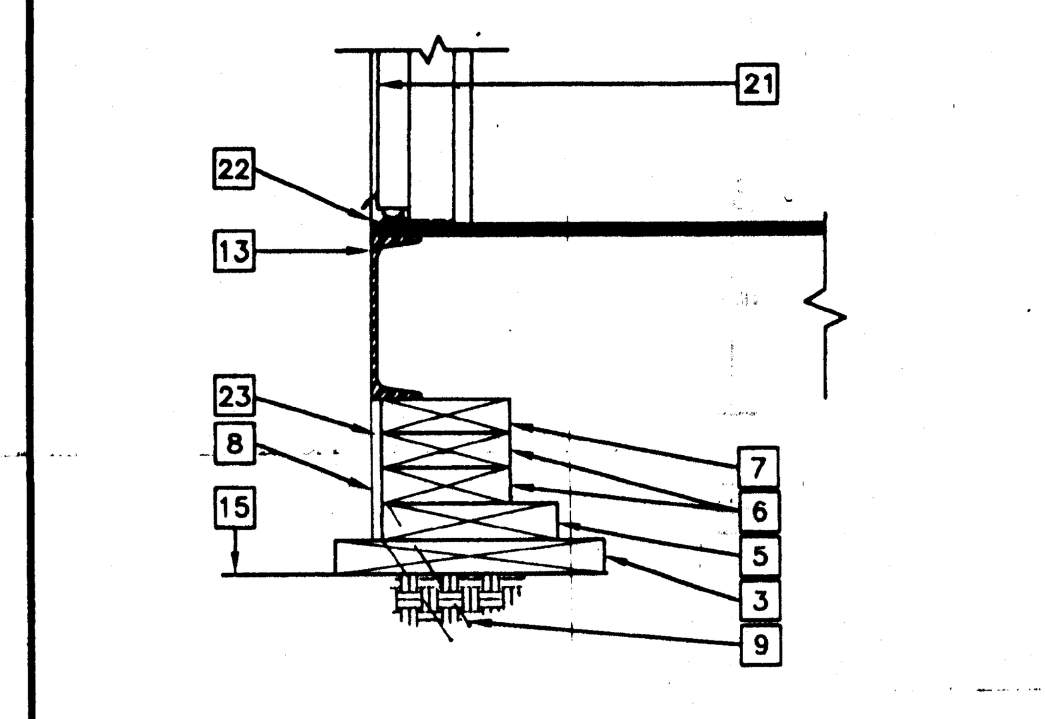
SCALE: 1 1/2"=1'-0"

FOUNDATION AT MODLINE 3



SCALE: NTS

FOUNDATION SPLICE 8



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

THRESHOLD 4

KEY NOTES

1	2"x12"x24" SILL PLATE
2	2"x12"x20" SILL PLATE
3	2"x12" CONTINUOUS SILL PLATE
4	2"x12" CONTINUOUS BLOCKING PLATE ATTACH TO SILL OR BLOCKING WITH 16d NAILS AT 12" OC ADD 6-16d GALVANIZED NAILS AT PIPE PADS ONLY
5	2"x8" BLOCKING PLATE ATTACH TO SILL OR BLOCKING WITH 16d NAILS AT 12" OC
6	2"x6" BLOCKING PLATE ATTACH TO BLOCKING WITH 16d NAILS AT 12" OC
7	2"x6" TOP PLATE ATTACH TO BLOCKING WITH 16d NAILS AT 12" OC
8	SKIRTING – 3/8" PLYWOOD, ATTACH WITH 6d NAILS, EDGE NAILING 4" OC AT END WALLS AND 6" OC AT SIDE WALLS, FIELD NAILING 12" OC
9	SILL RESTRAINT – SEE FOUNDATION PLAN, NOTE 1.
10	FLOW THROUGH VENT
11	TIE PLATE 6"x12"x10 GA
12	TIE PLATE 4"x12"x10 GA
13	FLOOR BEAM
14	NOT USED
15	FINISH GRADE
16	MODLINE
17	1/4" DIAx2" LONG STS TYPICAL 4-PLACES
18	1/4" DIAx3" LONG LAG SCREW TYPICAL 4-PLACES
19	5/8" DIAx4" LAGS
20	REMOVE AT VENT LOCATIONS
21	DOOR
22	ALUMINUM THRESHOLD
23	LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS TOP PLATE

FILE PATH: 2440-F1.22.DWG

IDENTIFICATION STAMP DIV OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003

NOTE:
ALL NAILS TO BE HOT DIPPED GALVANIZED

4012-125

PROJECT NO.

DATE SIGNED
APR 3 0 2003

PC
CBC 2001

REVISIONS
1
2
3
4
5

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

REGISTERED PROFESSIONAL ENGINEER ... STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

LICENSED ARCHITECT GEORGE C. EDWARDS C 2956 REN. 9-30- STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 5/2/03

MODTECH INC.

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

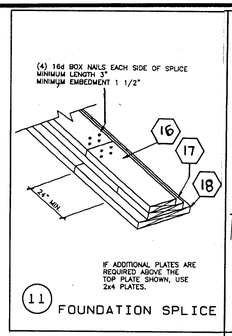
PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

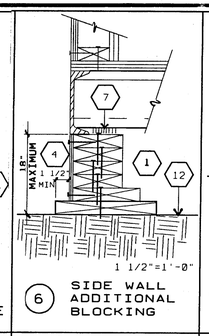
FOUNDATION DETAILS WOOD/125 PSF

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:
MODTECH Index No.
F1.22

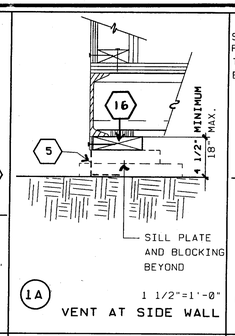
PC-04-104801



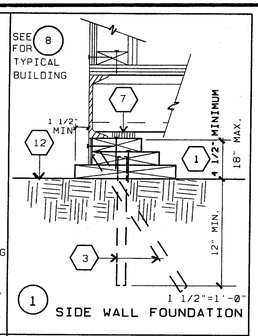
11 FOUNDATION SPLICE



6 SIDE WALL ADDITIONAL BLOCKING



1A VENT AT SIDE WALL

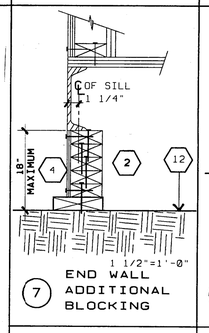


1 SIDE WALL FOUNDATION

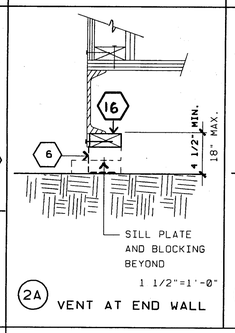
TYPICAL: NAILING (1) 16d BOX AT 4" O.C.

TYPICAL: PLATE TO PLATE,
PLATE TO BLOCK,
BLOCK TO BLOCK,
BLOCK TO PLATE,

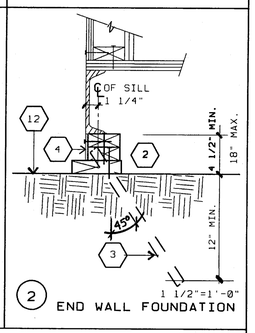
MINIMUM 6-16d PER BLOCK OR PLATE



7 END WALL ADDITIONAL BLOCKING

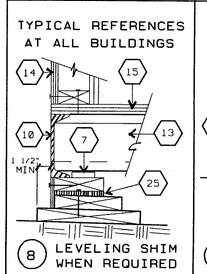


2A VENT AT END WALL

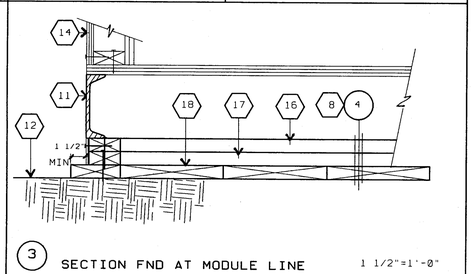


2 END WALL FOUNDATION

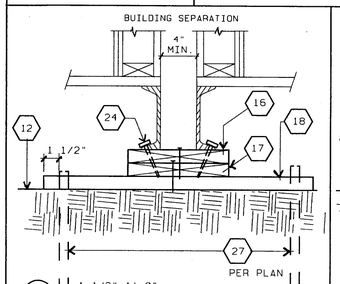
TYPICAL REFERENCES AT ALL BUILDINGS



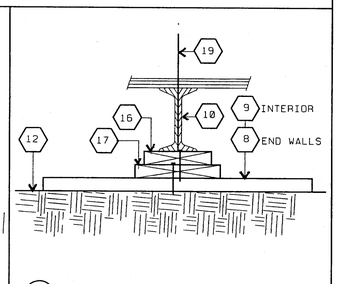
8 LEVELING SHIM WHEN REQUIRED



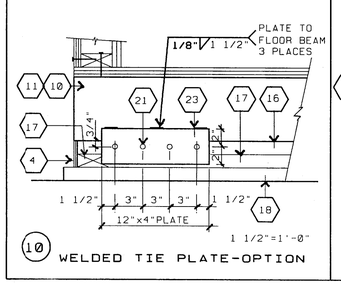
3 SECTION FND AT MODULE LINE 1 1/2"=1'-0"



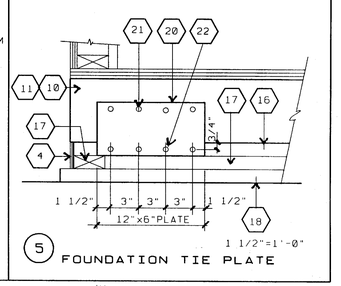
9 ADJACENT BUILDING



4 MODULE LINE 1 1/2"=1'-0"



10 WELDED TIE PLATE-OPTION



5 FOUNDATION TIE PLATE

3"x24" END WALL VENTS
AS REQUIRED FOR ADJACENT BUILDING APPLICATIONS
MIN.18" FROM MODLINES
MIN.18" FROM BLDG. CORNER
MIN.12" BLOCKING BETWEEN VENTS

OPTIONAL 4" SEPARATION

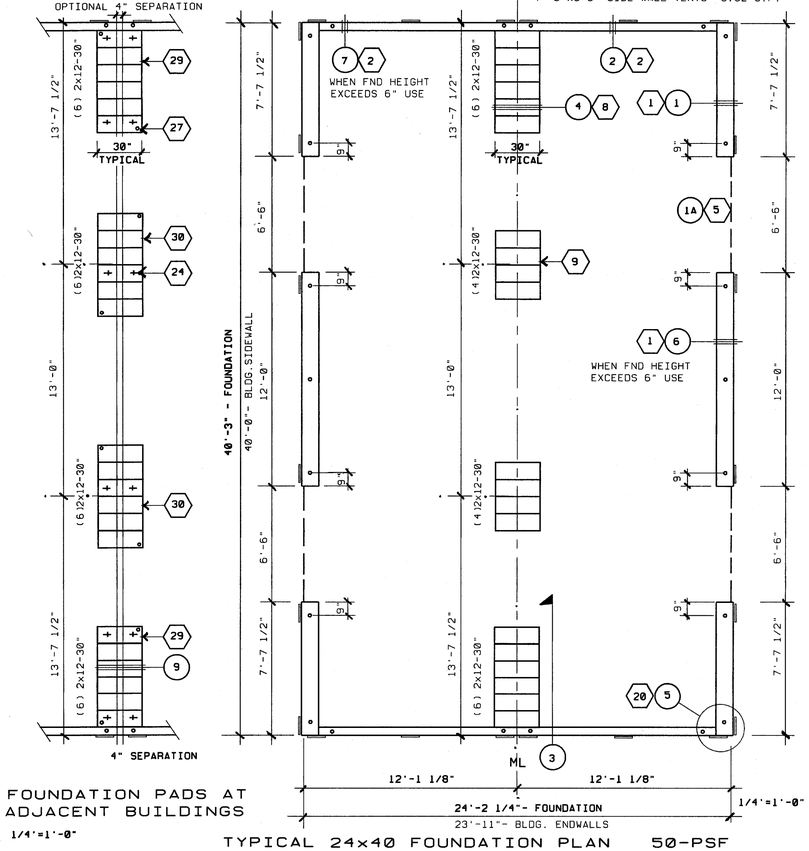
TIE PLATES:

85 MPH	END WALLS 6 EA.	SIDE WALLS 6 EA.	TOTAL (24)

TYPICAL VENT: 1/4" CORROSION RESISTANT MESH. PREFORMED L- SIZE REQUIRED WITH 3" RETURN.

BUILDING VENTILATION
AREA: 960 S.F./150= 6.4 S.F. RQD
3"x6'6" SIDE VENT = 1.63 S.F.

PROVIDE:
4- 3"x6'6" SIDE WALL VENTS= 6.52 S.F.



FOUNDATION PADS AT ADJACENT BUILDINGS
1/4"=1'-0"

TYPICAL 24x40 FOUNDATION PLAN 50-PSF

KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

1 **TOP PLATE:** 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

FOUNDATION AT END WALL

2 **TOP PLATE:** 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

3 SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A

4 SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC

5 SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.,

6 ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.

7 SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

8 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

9 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (4) 2x12x30" (PT)

10 FLOOR BEAM: C7x 9.8 TYPICAL

11 FLOOR HEADER: C7x 9.8 TYPICAL

12 FINISH GRADE

13 FLOOR JOIST

14 EXTERIOR FINISH

15 PLYWOOD SUB-FLOOR

16 TOP PLATE: CONTINUOUS

17 BLOCKING

18 SILL PLATE

19 MODLINE

20 TIE PLATE: 12" x 6" x 10 GA

21 PLATE ANCHOR: 4 -1/4" ϕ S.M.S. (1 1/2" MIN. EMBEDMENT)

22 PLATE ANCHOR: 4 -1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)

23 TIE PLATE: 12" x 4" x 10 GA

24 BUILDING ANCHORAGE: 6- 5/8" x 4" LAG SCREWS AT EACH BUILDING (FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)

25 LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.

26 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.

27 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.

28 THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

29 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

30 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

GENERAL NOTES

A. **SILL RESTRAINT**: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES.

USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0". ONE PIPE/ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP.

PIPES TO PENETRATE INTO SOIL AND OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE.

B. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.

C. A **WOOD SILL (FOOTING) PLATE** SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE INSPECTOR

D. **FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE**

E. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN DIMENSIONS, THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.

F. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3 1/2" IN OVERALL LENGTH

G. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

PRE-CHECK (PC) DOCUMENT
CODE: 2010 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-112161
AC ___ FLS ___ SS X
DATE: FEB 01 2012

24x40 - 50 PSF STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

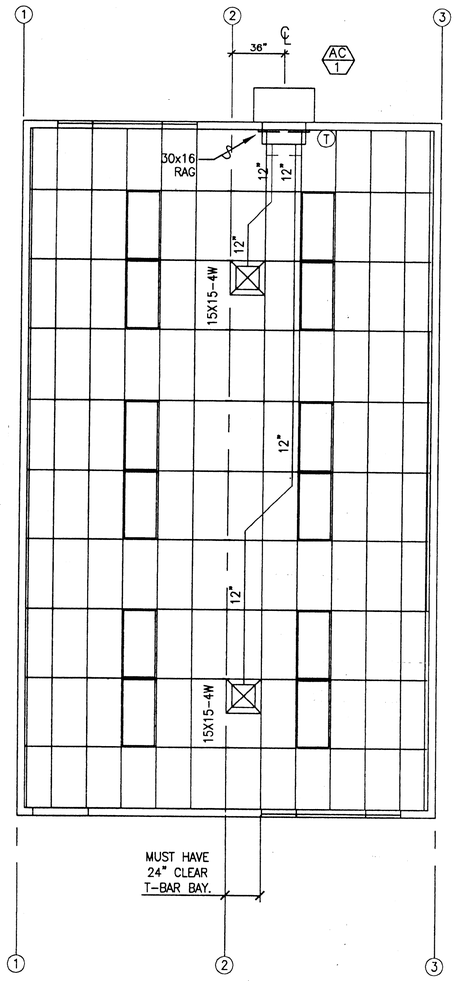
JAMES T. SIMPSON No. 3832 STRUCTURAL STATE OF CALIFORNIA
EXPIRES 6-30-2012

DATE RECEIVED AUG 25 2011

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
24x40 - 50 PSF RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

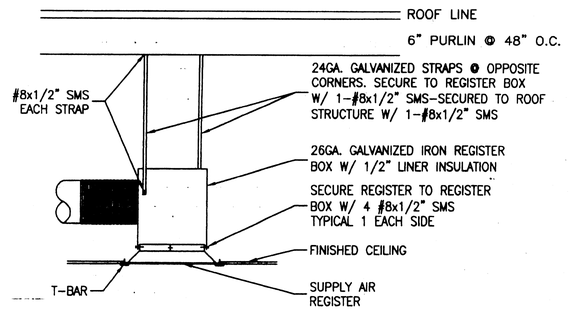
DATE	08-15-2011
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0



AIR CONDITIONING PLAN VIEW 24'X40' BUILDING

TYP. OF 1 BUILDING.

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



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.

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04 105290
AC FLS SS
DATE MAY 22 2003

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
	SUPPLY REGISTER		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

MECHANICAL (HVAC) PLAN (12-LIGHTS)

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

DATE SIGNED APR 30 2003

PC
CBC 2001

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

Architects Seal

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PC-04
104801
AC FLS SS
DATE 5/14/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

MECHANICAL (HVAC) PLAN (12 LIGHTS)

M1.03

PROJECT NO. PC-04-104801

FILE PATH: 2440-M1.03.DWG

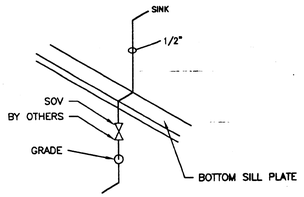
WATER CLOSET – ACCESSIBLE
VITREOUS CHINA, WALL MOUNT, TANK TYPE – 3–446E (CRANE)
OPEN FRONT WHITE SEAT, OLSONITE
95 OR APPROVED EQUAL, FLUSH VALVE AT WIDE SIDE

LAVATORY – ACCESSIBLE
C1–412V, FAUCET TO BE VALLEY 805 (CRANE)

CLASSROOM SINK–ACCESSIBLE
CRA–ADA–1725–A–GR (5" DEEP)
FAUCET –CHICAGO 350
BUBBLER –JSB–10

ACCESSORIES (NIC)
REQUIRED TOILET ACCESSORIES SHALL BE MOUNTED PER CBC SECTION 1118B

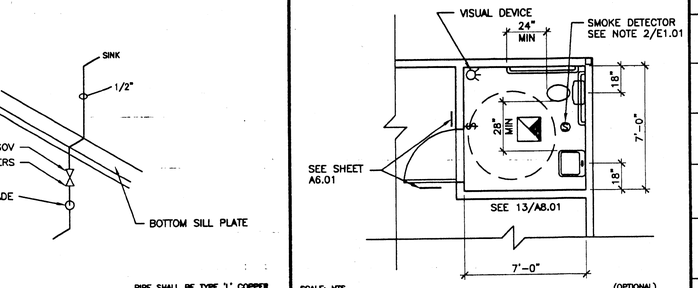
TOILET ROOM FIXTURES 12



SCALE: NTS

PIPE SHALL BE TYPE 'L' COPPER

SINK CABINET COLD WATER SUPPLY 8



SCALE: NTS

(OPTIONAL)

TYPICAL TOILET ROOMPLAN 4

ITEM	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	DESCRIPTION
WC 1	WATER CLOSET ACCESSIBLE	1/2"	–	3"	2"	VITREOUS CHINA, WALL MOUNT, TANK TYPE – 3–446E (CRANE) OPEN FRONT WHITE SEAT, OLSONITE 95 OR APPROVED EQUAL, FLUSH VALVE AT WIDE SIDE
UR 1	URINAL (OPTION) ACCESSIBLE	3/4"	–	2"	1 1/2"	CRANE C7–209 MANHATTAN LOW CONSUMPTION, VITREOUS CHINA, 1.0 GALLON FLUSH, SIPHON JET WITH INTEGRAL TRAP – SLOAN #186 REGAL FLUSHOMETER, FLUSH VALVE #129 OR #130 OR APPROVED EQUAL
LV 1	LAVATORY ACCESSIBLE	1/2"	–	2"	1 1/2"	CRANE HARWICH VITREOUS CHINA 1–412, ZURN "Z" DURA–COATED SYSTEM WITH CONCEALED ARMS (Z–1251 LAV WALL SUPPORT) OR #700 SERIES. FAUCET – BRASS NL 805 IPS LEVER HANDLE OR APPROVED EQUAL.
PR 1	TYPICAL WALL PARTITION (OPTION)	–	–	–	–	THE EMBASSY–POWDER COATED METAL EVERHEAD BRACED, BAKED ENAMEL FINISH, MANUFACTURED BY GLOBAL STEEL PROD. OR APPROVED EQUAL
MR 1	MIRROR	–	–	–	–	SERIES 530 RETURNED MIRRORS STAINLESS STEEL – 18 GA, 18"x24" ("J" SHEET METAL – MANUFACTURED) OR APPROVED EQUAL
GB 1	GRAB BAR	–	–	–	–	MCKINNEY 9704–1–1/2" OC STAINLESS STEEL GRAB BAR SATIN FINISH 36" LONG IN BACK AND 42" ON SIDE OR APPROVED EQUAL
CS 1	CLASSROOM SINK ACCESSIBLE	1/2"	–	2"	2"	CRANE CRA–ADA–1725–A–GR (5" DEEP) MOUNT IN CASEWORK FAUCET – CHICAGO 350 BUBBLER – JSR – 10

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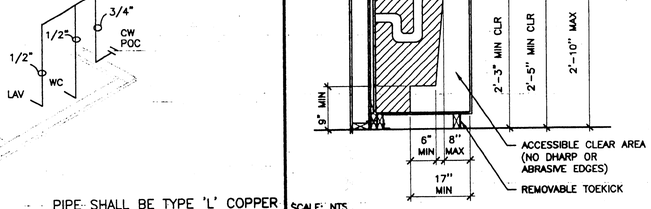
04 105299
AC FLG SIG
DATE MAY 22 2003

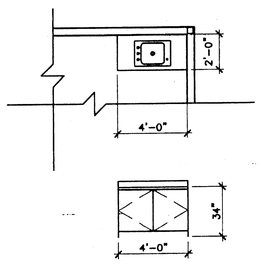
FIXTURE SCHEDULE 1



SCALE: NTS

PIPE SHALL BE TYPE ABS

TOILET ROOM WASTE 9



WIC 154
ACCESSIBLE

TYPICAL SINK CABINET 5

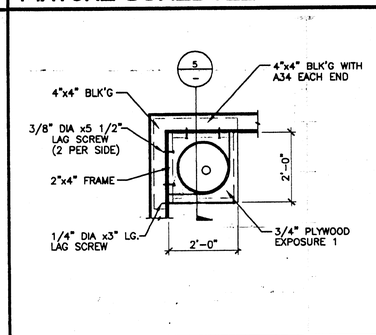
SCALE: NTS

PIPE SHALL BE TYPE 'L' COPPER

TOILET ROOM COLD WATER SUPPLY 10

SCALE: NTS

SINK ACCESSIBILTY 6



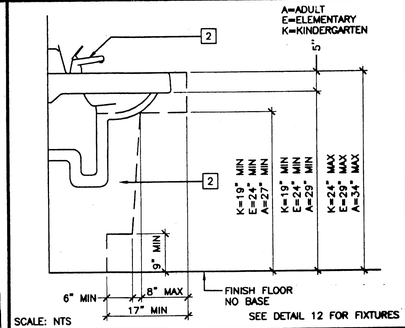
WATER HEATER PLAN VIEW 4

DIMENSION	A (INCHES)	SUGGESTED E (INCHES)	SUGGESTED K (INCHES)
TOILET CENTERING FROM WALL	18"	15"*	12"*
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	17"–19"	15"	10"–12"
GRAB BAR HEIGHT (SIDE)	33"	27"	20"–22"
TOILET PAPER IN FRONT OF TOILET (RECESSED OR SEMI–RECESSED)	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	27" MIN	24" MIN	19" MIN
URINAL LIP HEIGHT	17" MAX	15" MAX	13" MAX
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"	27"	19"
BUBBLER HEIGHT	2"	3"	6"
SINK DEPTH (FOR CLEARANCE)	7" MAX	5" MAX	5" MAX

A = ADULT DIMENSIONS (AGE 12 AND OVER)
E = ELEMENTARY DIMENSIONS
K = KINDERGARTEN AND PRE–SCHOOL DIMENSIONS
* = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

NOTE: DIMENSIONS FROM 2001 CBC TABLE 1115B–1

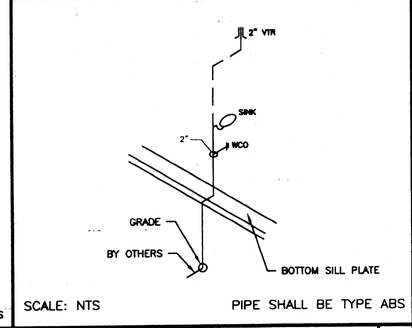
ACCESSIBILITY 11



SCALE: NTS

SEE DETAIL 12 FOR FIXTURES

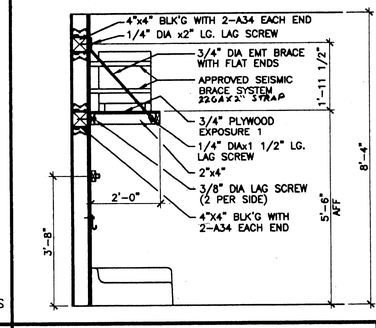
ACCESSIBLE LAV CLEARANCE 11



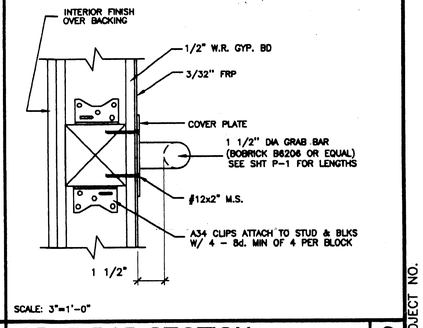
SCALE: NTS

PIPE SHALL BE TYPE ABS

SINK CABINET WASTE 7



WATER HEATER ELEVATION 5



SCALE: 3"=1'–0"

GRAB BAR SECTION 3

PC
CBC 2001
DATE SIGNED
APR 18 2003

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC ~~Professional of Record~~ Seal
PC SW 6602
STRUCTURAL
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
RENEWAL 9-30-04
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC–04
104801
AC FLG SIG
DATE 5/22/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

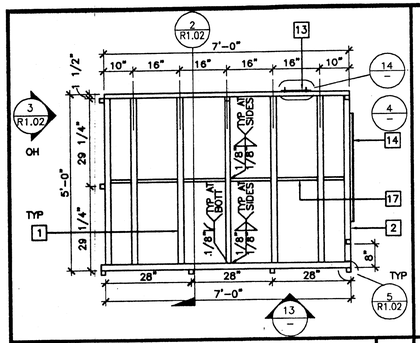
MODTECH Index No.

PLUMBING PLAN

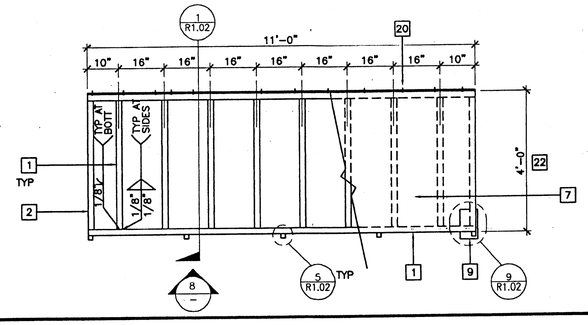
P1.01

PROJECT NO. PC–04–104801

FILE PATH: 2440–P1.01.DWG

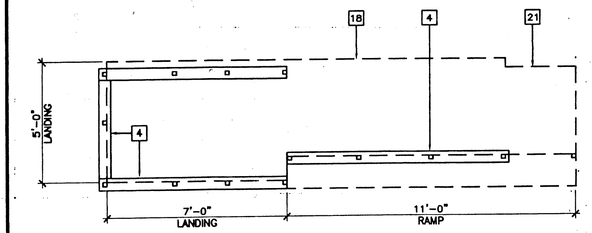


LANDING FRAME 12



SCALE: NTS

RAMP FRAME 7

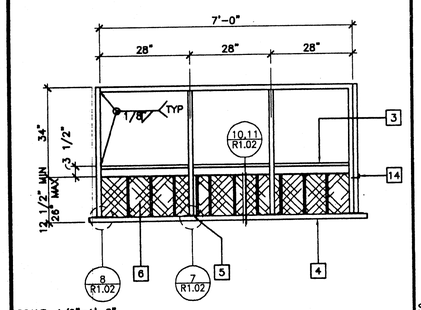


SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING 1

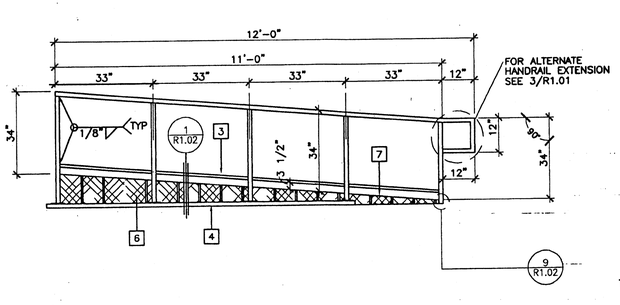
KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI). EASED OR ROUNDED 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 0.7 C.O.F. 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 RAMP
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.
22. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2



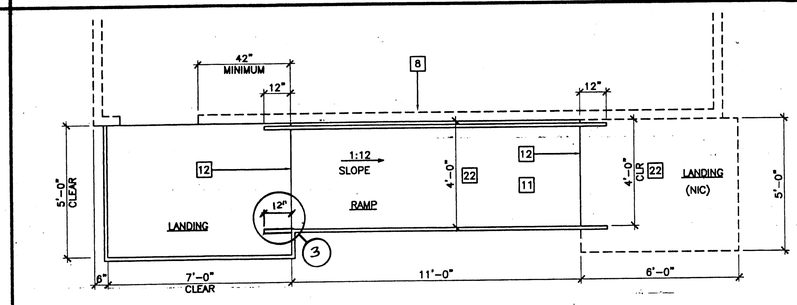
SCALE: 1/2"=1'-0"

LANDING ELEVATION 13



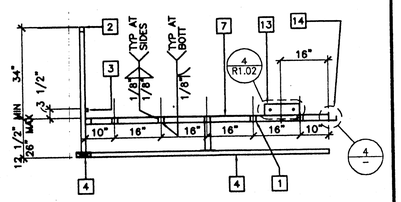
SCALE: 1/2"=1'-0"

RAMP ELEVATION 8



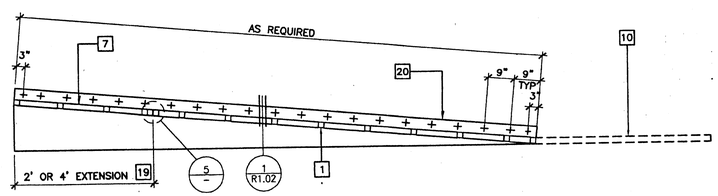
SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING 2



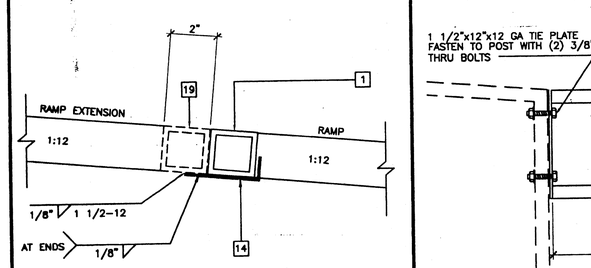
SCALE: NTS

SECTION AT LANDING 14



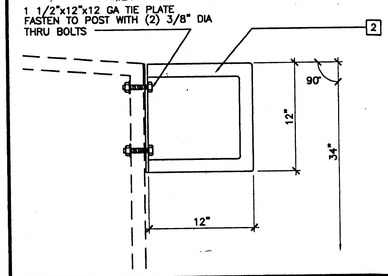
SCALE: NTS

LONGITUDINAL SECTION AT RAMP 9

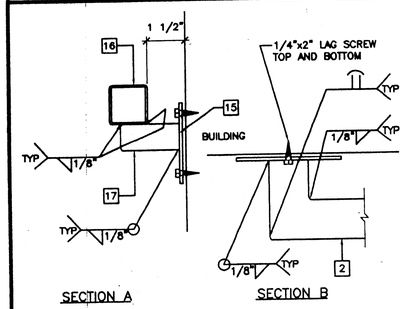


SCALE: NTS

RAMP EXTENSION TO RAMP 5

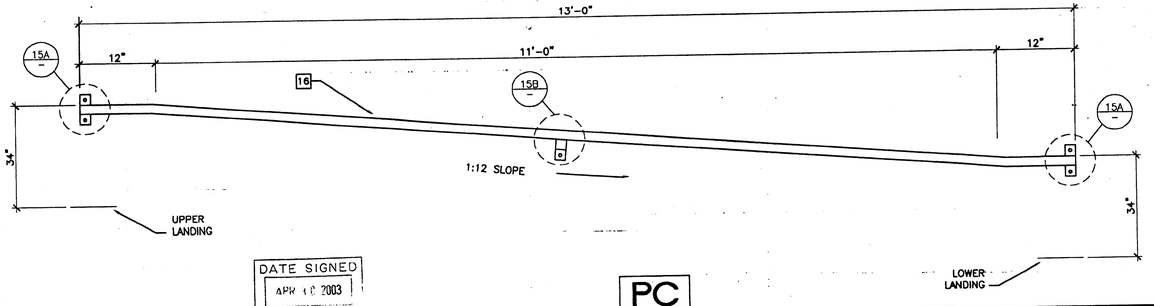


ALTERNATE GUARD RAIL EXTENSION 3



SCALE: NTS

HANDRAIL CONNECTION 15



SCALE: NTS

DATE SIGNED
APR 11 2003

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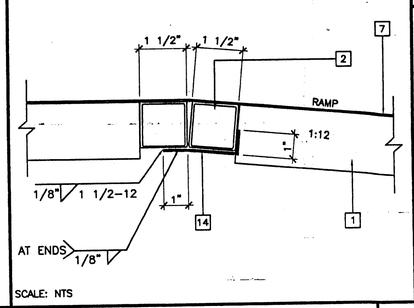
CBC 2001

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 AND RAMP TO HAVE NON-SLIP 0.7 MIN. COEFFICIENT OF FRICTION 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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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003

4012-125

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4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSE EXPIRES 5-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. BOWERS
C 2958
REN. 9-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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:

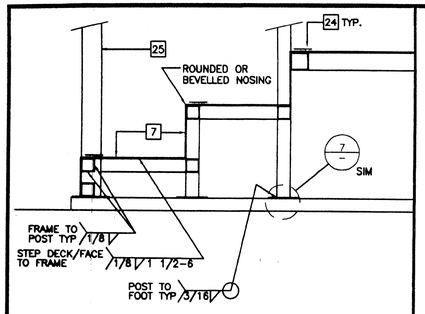
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

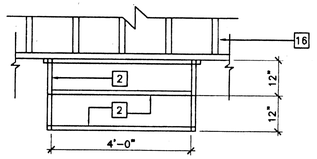
4 FOOT RAMP AND LANDING PLAN

R1.01



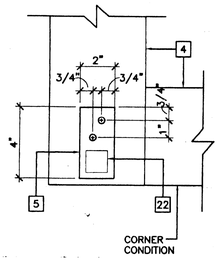
SCALE: 1 1/2"=1'-0" (OPTIONAL)

STAIR SECTION 16



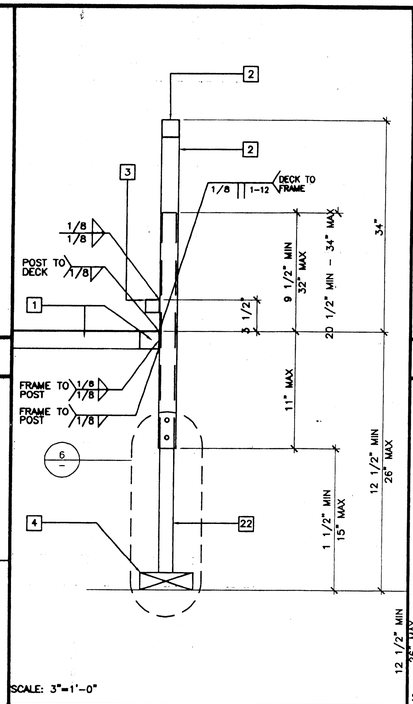
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR FRAMING PLAN 12



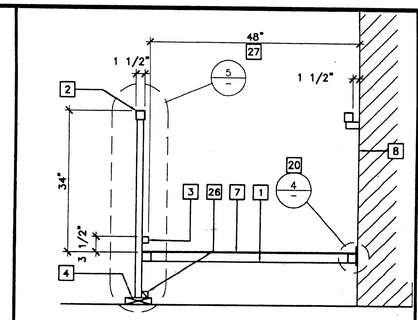
SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 8



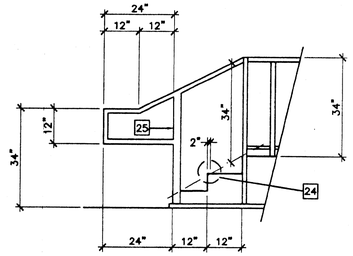
SCALE: 3"=1'-0"

ADJUSTABLE LEG 5



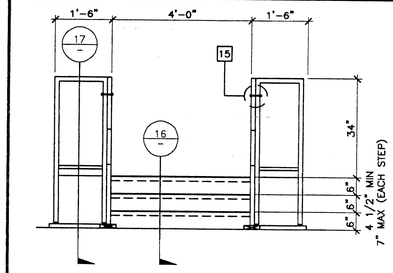
SCALE: 3/4"=1'-0"

SECTION AT RAMP 1



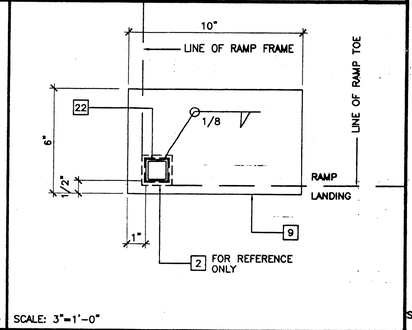
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 17



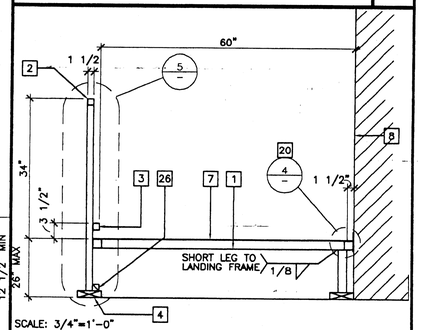
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



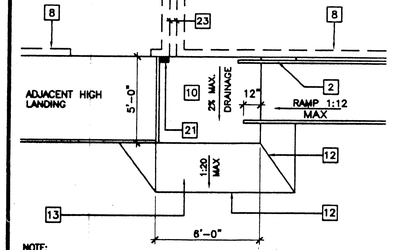
SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



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

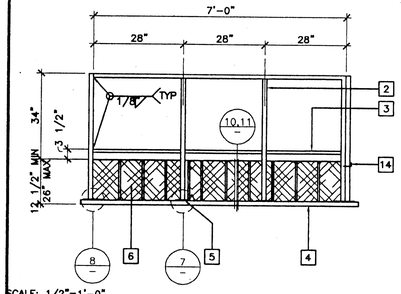
SECTION AT LANDING 2



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

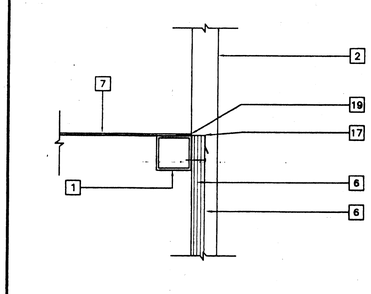
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 18



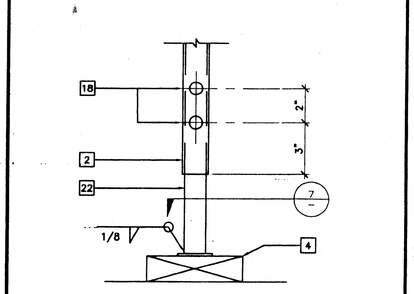
SCALE: 1/2"=1'-0"

LANDING ELEVATION 14



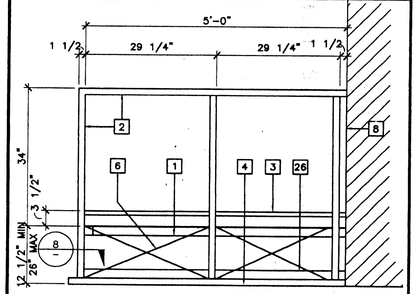
SCALE:3"=1'-0"

SKIRT FLASHING 10



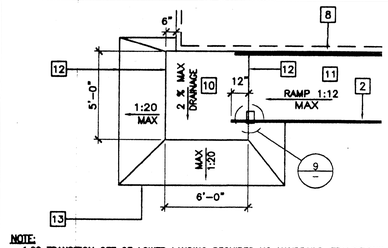
SCALE: 3"=1'-0"

ADJUSTABLE LEG 6



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

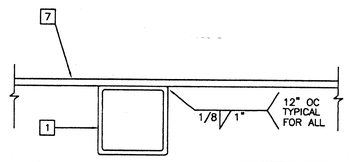
END ELEVATION 3



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)

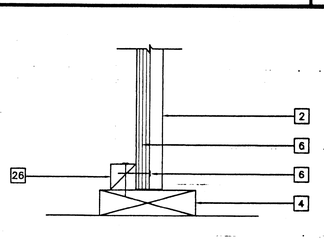
RAMP TRANSITION 19



DATE SIGNED APR 30 2003

SCALE: NTS

SECTION AT INTERIOR FRAME 15



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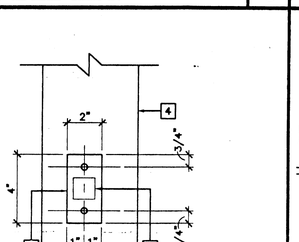
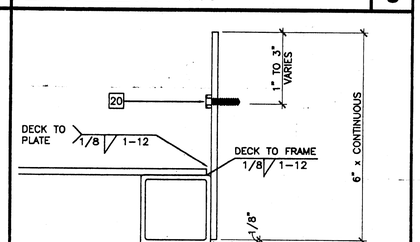
SCALE: 3"=1'-0"

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). EASED OR ROUNDED 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 TS. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7 C.O.F. 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 RAMP
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. 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 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 09 2003

FILE PATH: 2440-R1.02.DWG

REVISIONS			
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2			
3			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER STATE OF UTAH
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2958 REN. 8-30- STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 6/4/03

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

PROJECT NUMBER: 4012-125

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

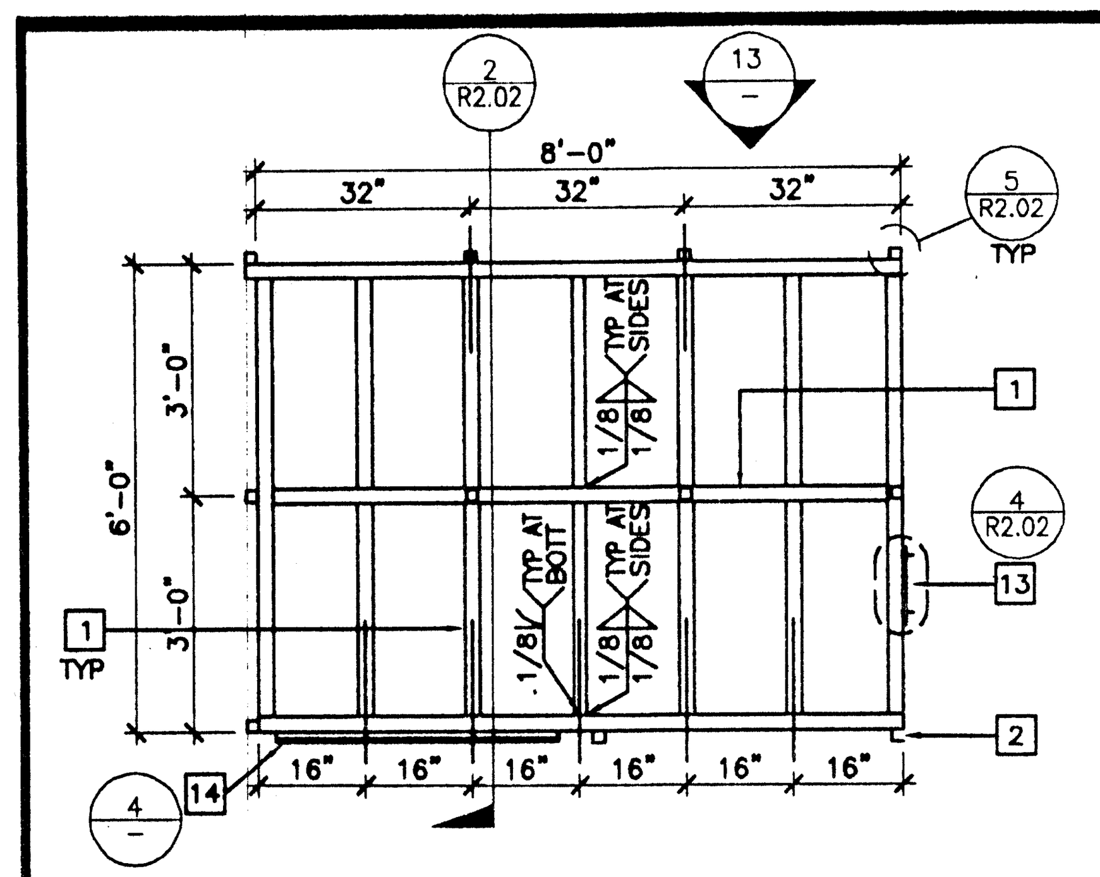
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

RAMP/STAIR DETAILS

R1.02

PROJECT NO. PC-04-104801



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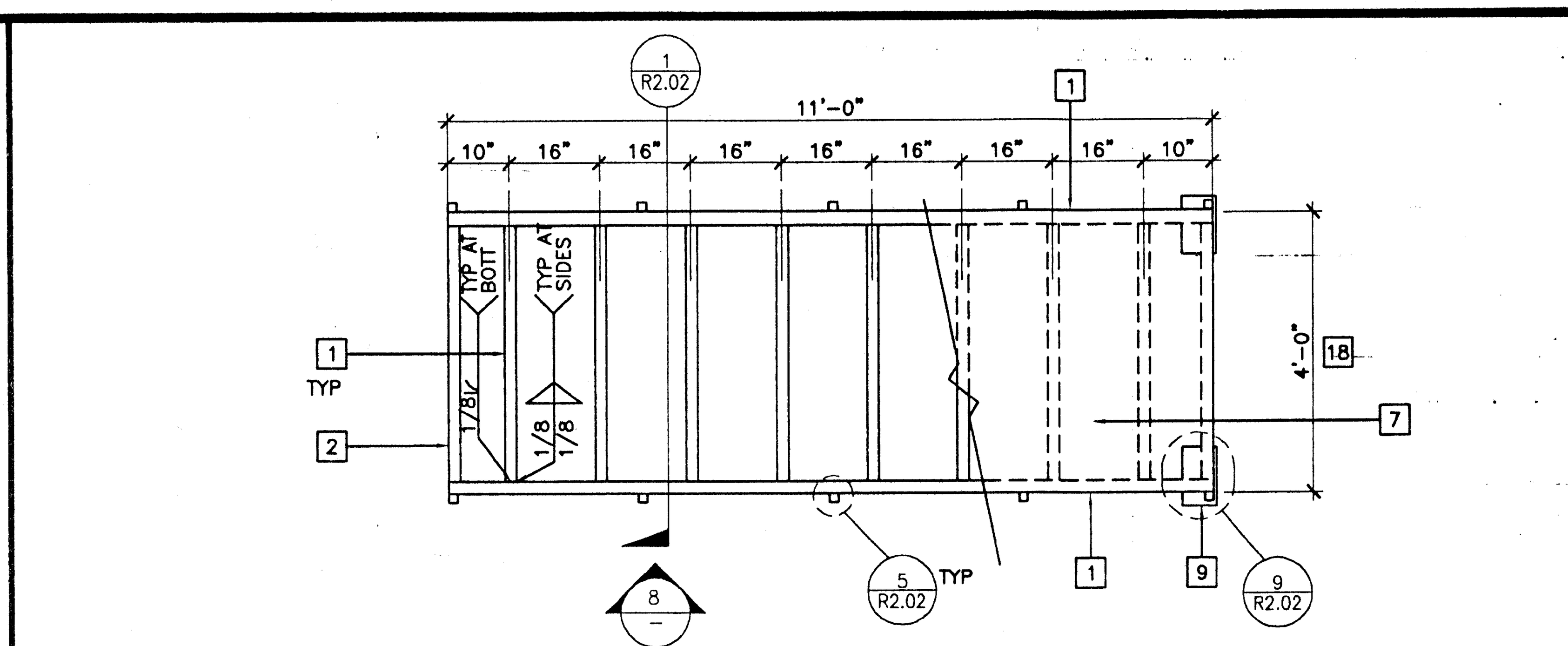
LANDING FRAME 12



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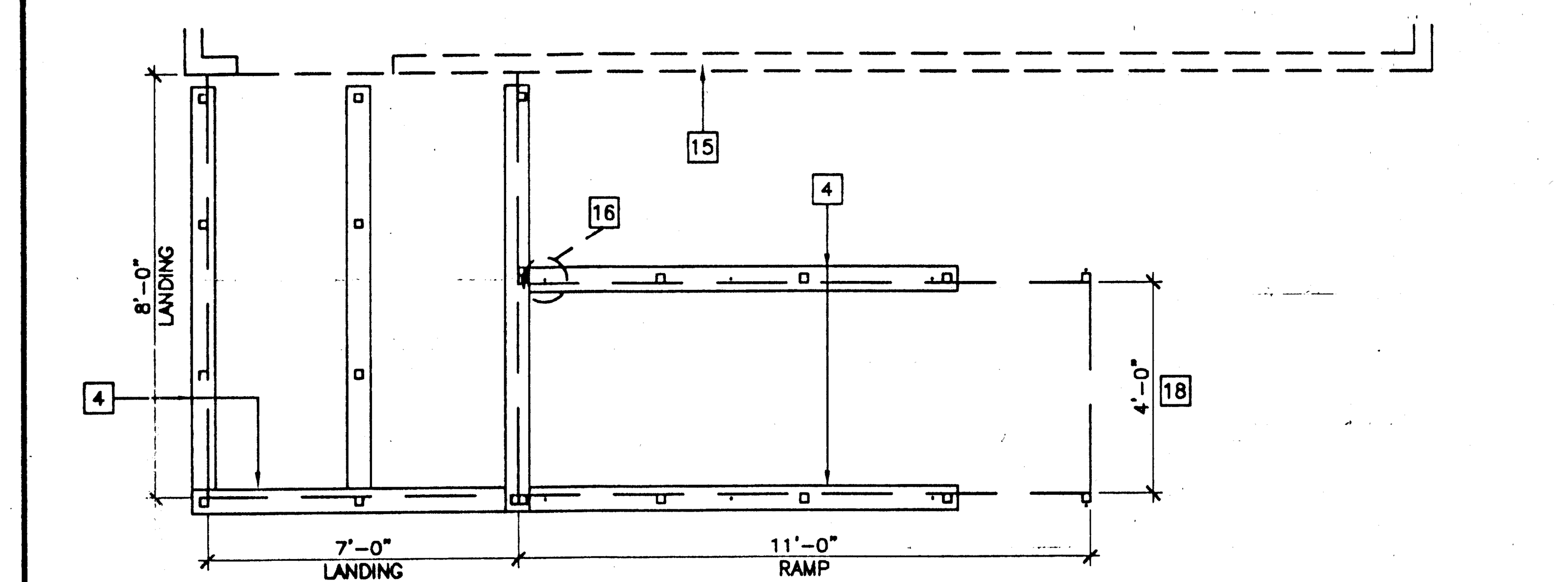
RAMP FRAME 7



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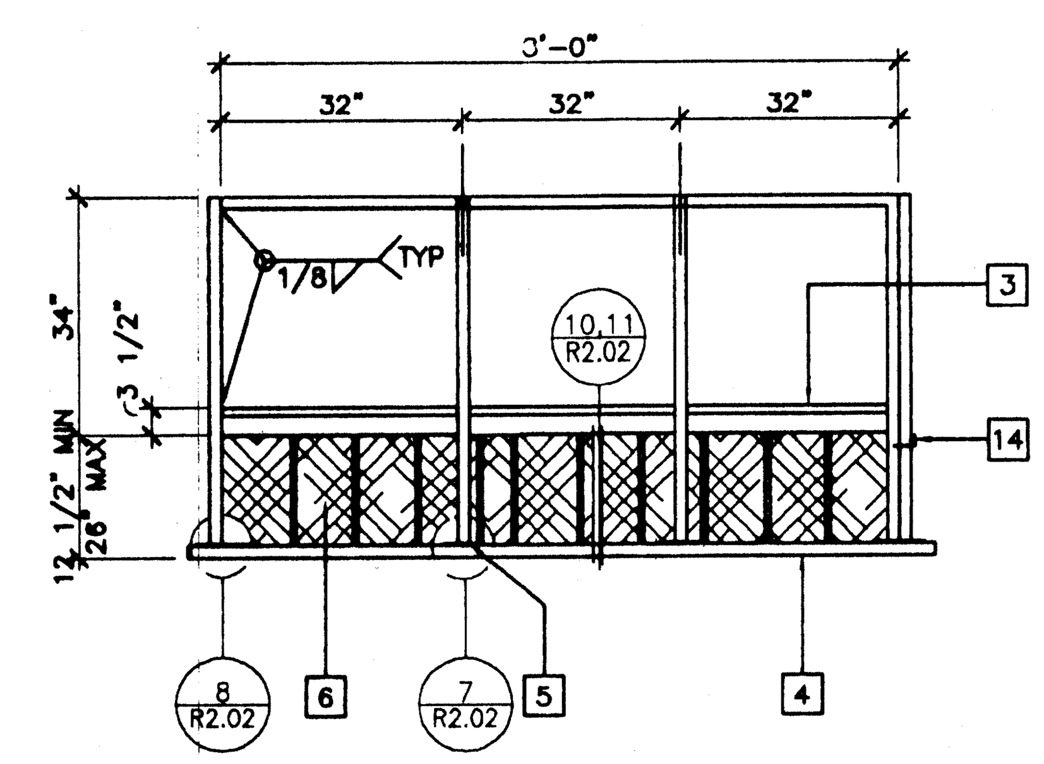
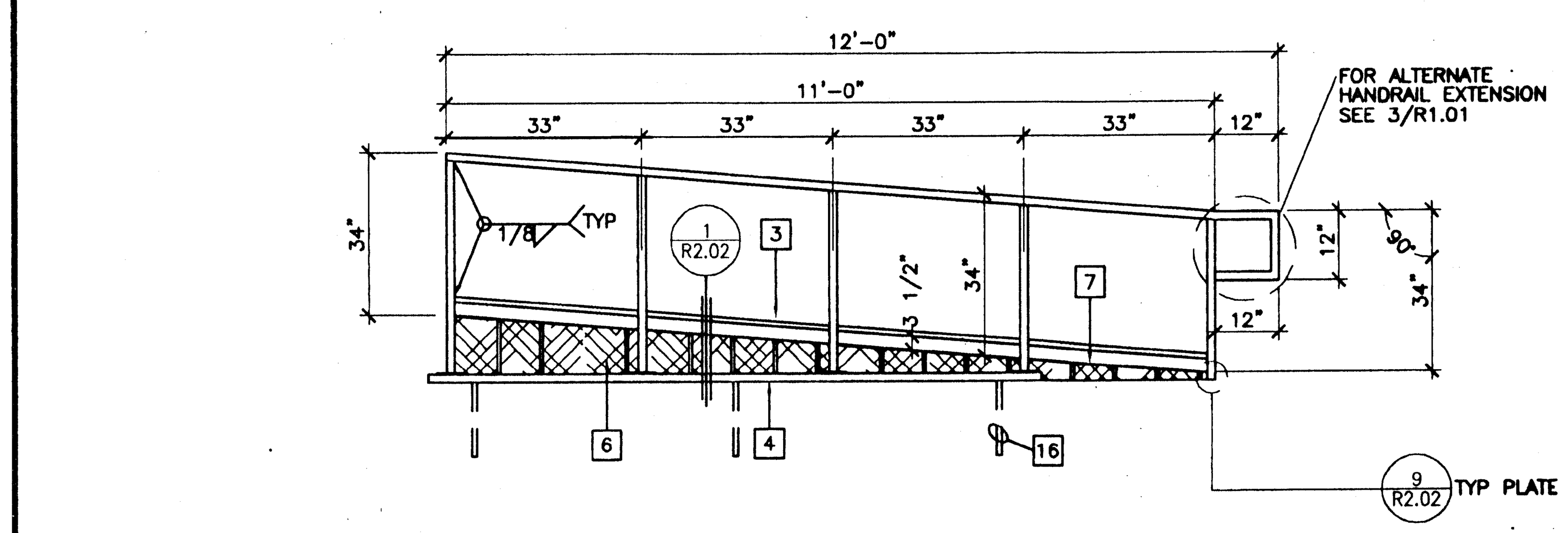
SILL PLAN FOR RAMP AND LANDING 1



NOTE: FOR ADITIONAL INFO. SEE 3/R2.02

SCALE: NTS

LANDING ELEVATION 13



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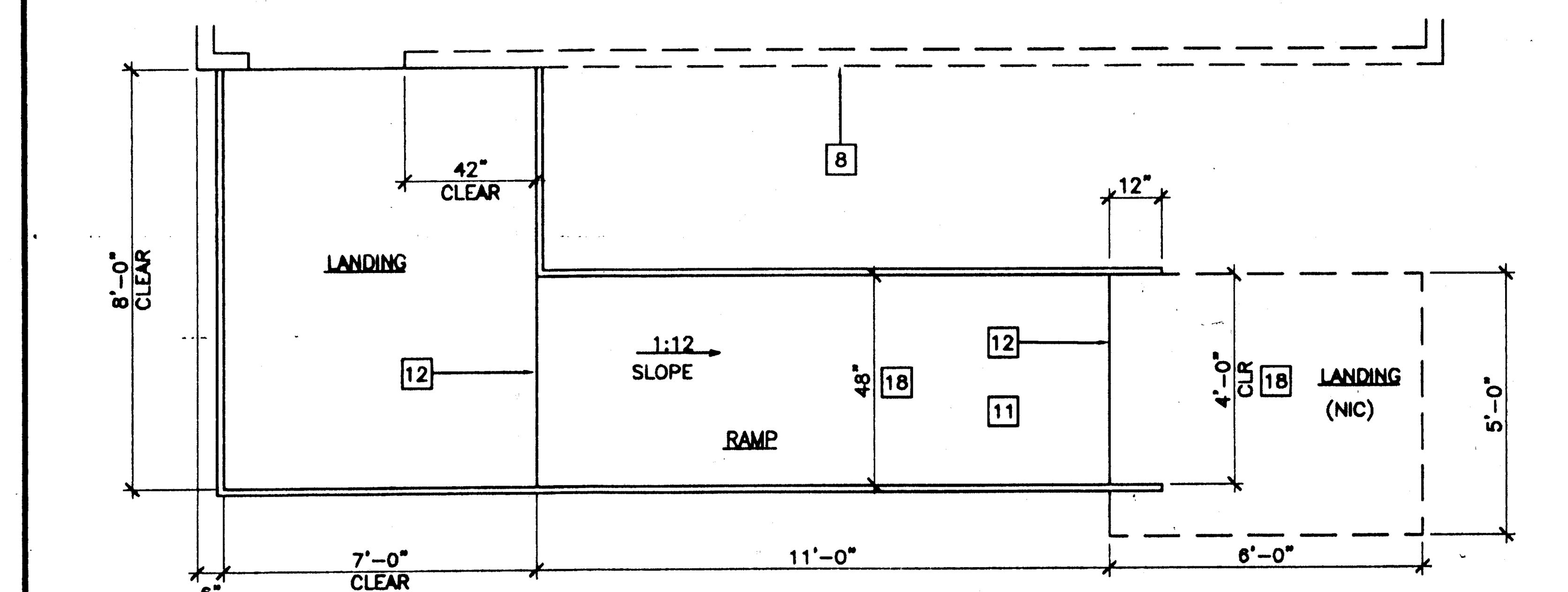
RAMP ELEVATION 8



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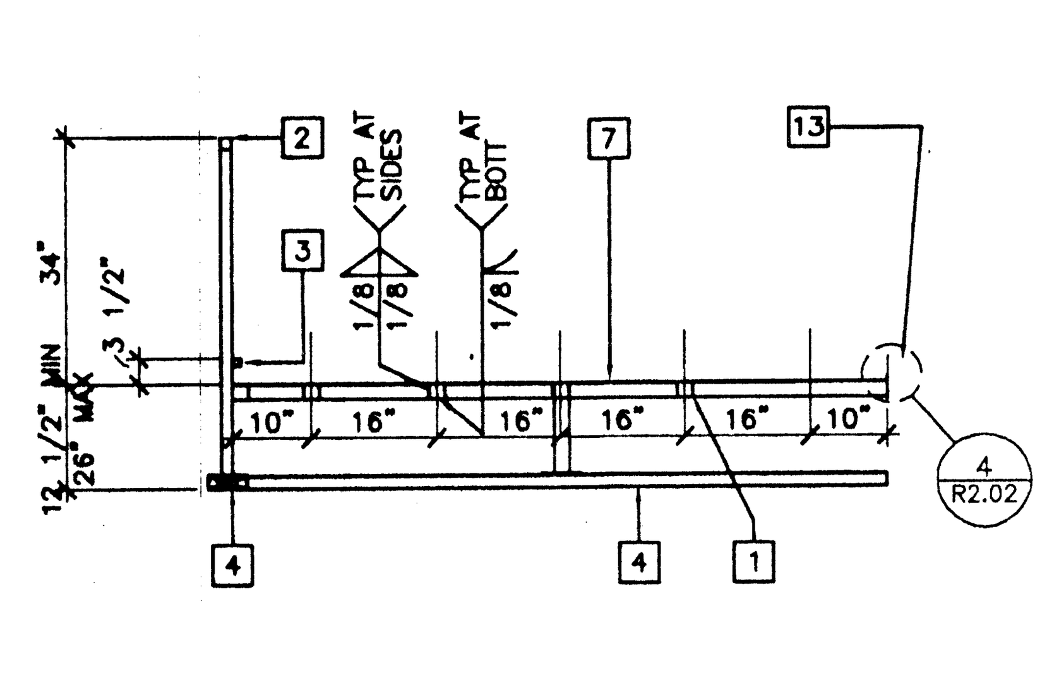
RAMP AND LANDING AT BUILDING 2



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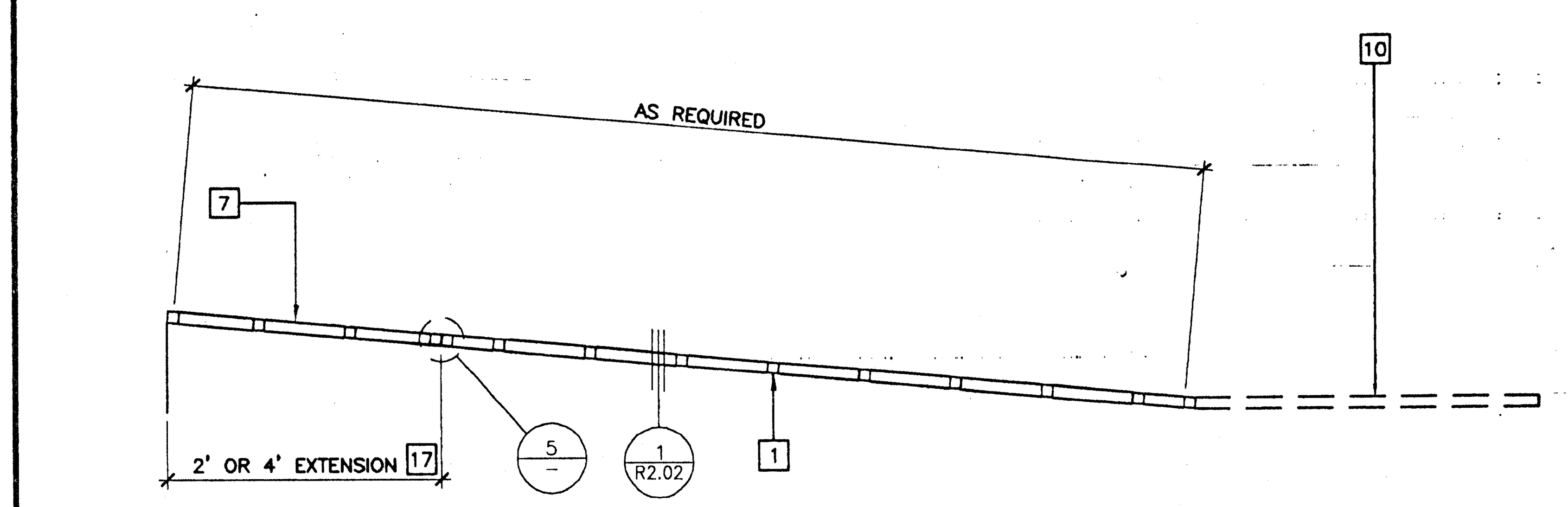
LONG. SECTION AT LANDING 14



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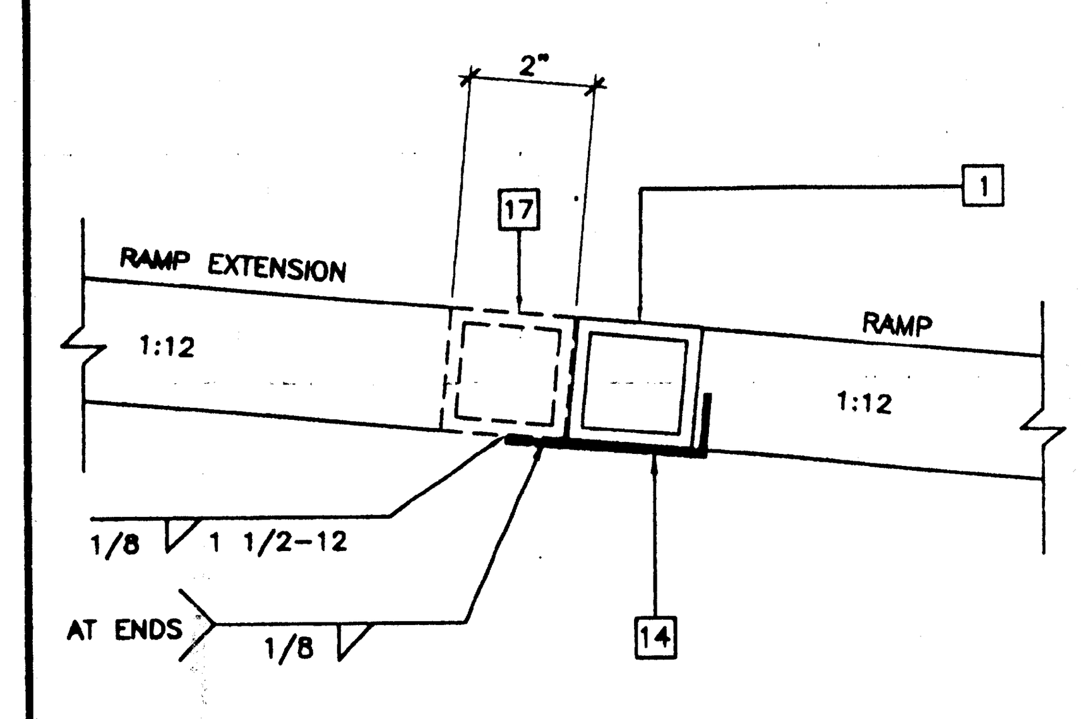
LONGITUDINAL SECTION AT RAMP 9



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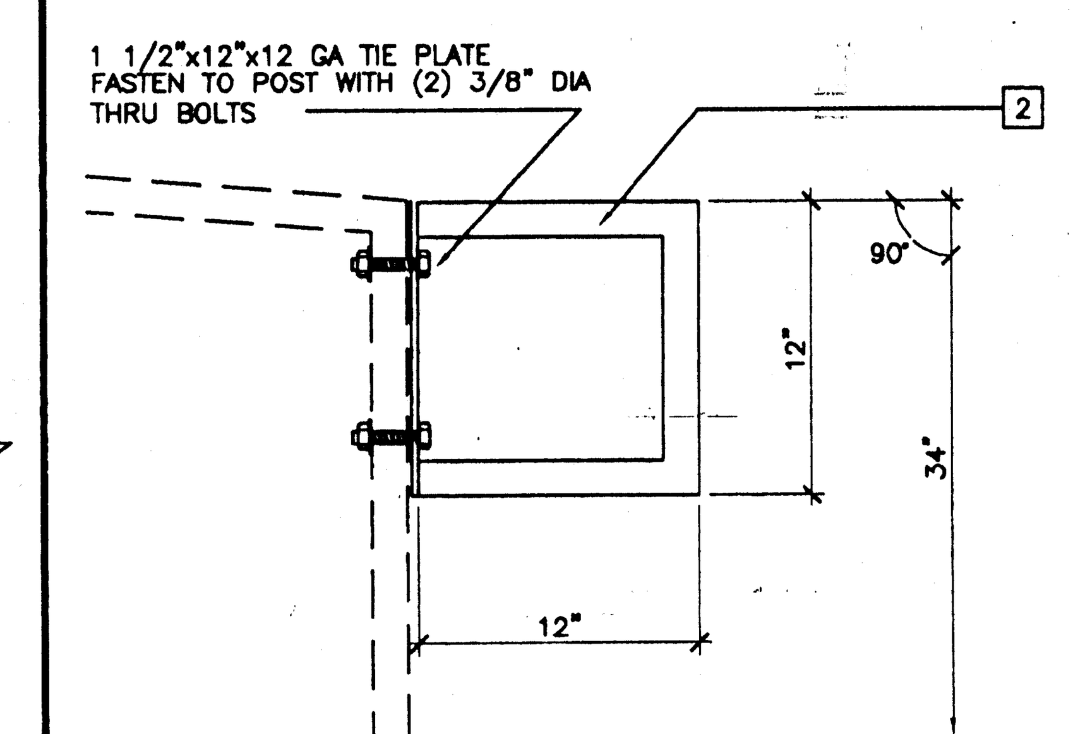
RAMP EXTENSION TO RAMP 5



SCALE: NTS

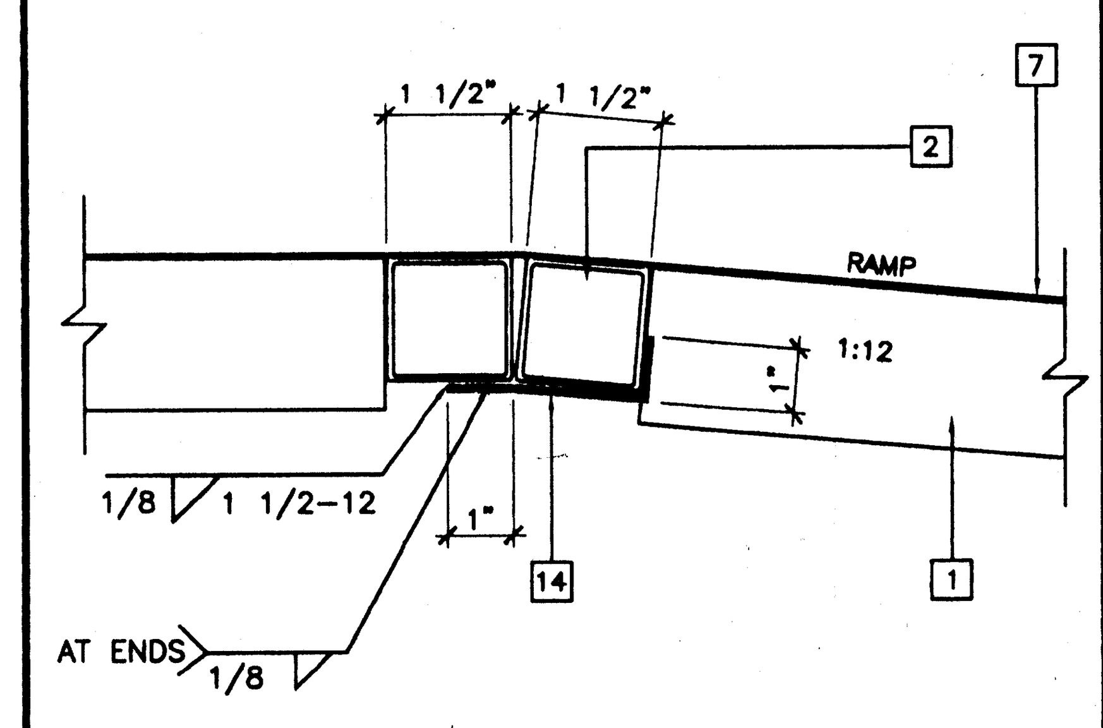
GUARD RAIL EXTENSION 3

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI) EASED OR ROUNDED 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 T.S. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0:7 C.O.F. 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 (RAMP)
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. LINE OF RAMP/LANDING ABOVE
16. SILL RESTRAINT PIPE 1" DIA – MINIMUM 12" EMBEDMENT
17. RAMP EXTENSION FRAME
18. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

FILE PATH: 2440-R2.01.DWG

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 2 2 2003



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 AND RAMP TO HAVE NON-SLIP 0.7 MIN. COEFFICIENT OF FRICTION 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)

PC

CBC 2001

DATE SIGNED
APR 18 2003

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal	Identification Stamp
1 2 3 4 5				LICENSED ARCHITECT GEORGE C. EDWARDS STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 104801 AC FLS SS DATE

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

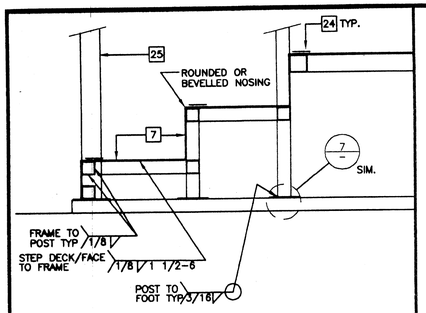
PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

OFFSET RAMP AND LANDING PLAN

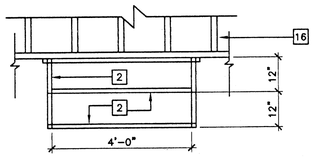
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:
MODTECH Index No.
R2.01

PROJECT NO.
PC-04-104801



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

STAIR SECTION 16



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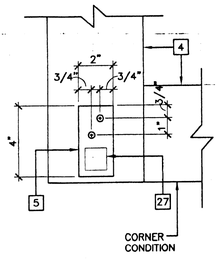
STAIR FRAMING PLAN 12



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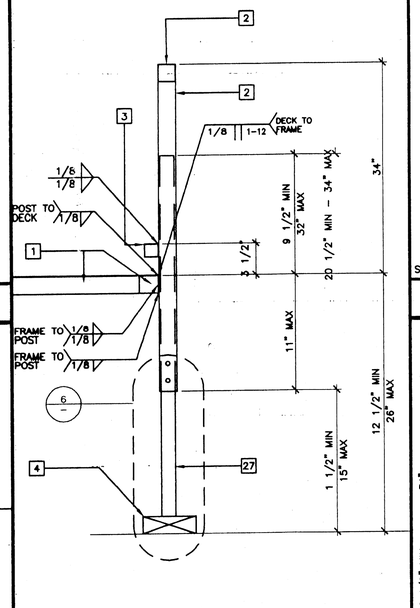
ADJUSTABLE LEG BASE PLATE 8



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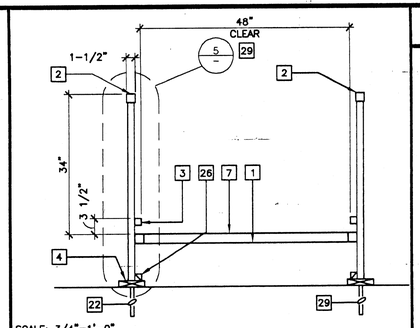
ADJUSTABLE LEG 5



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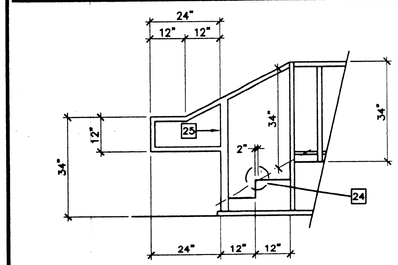
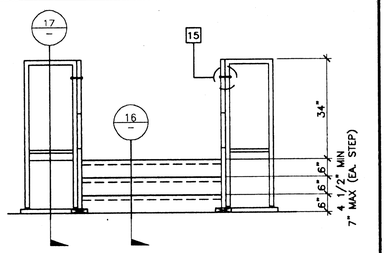
SECTION AT RAMP 1



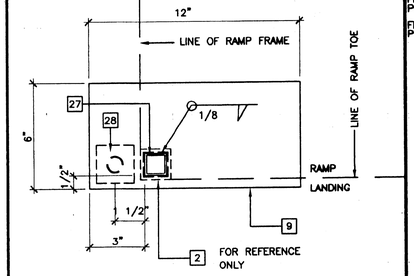
SCALE: NTS (OPTIONAL)

STAIR ELEVATION 17



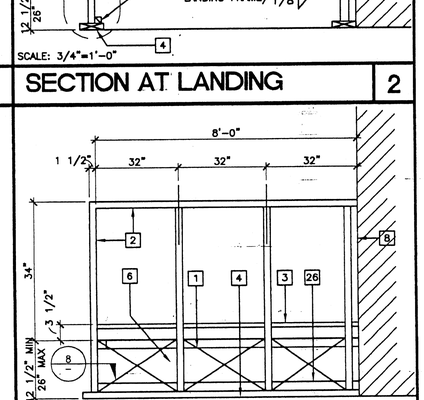
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



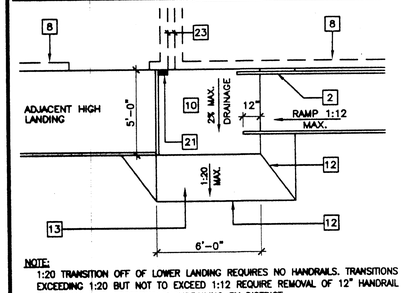
SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



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

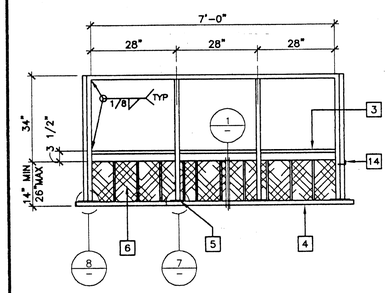
SECTION AT LANDING 2



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

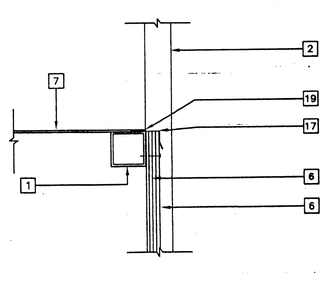
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 18



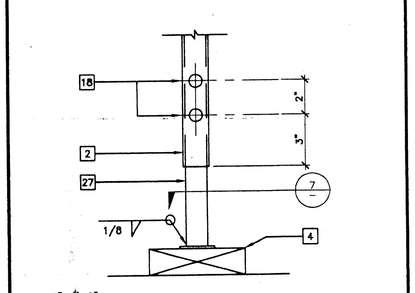
SCALE: NTS

LANDING ELEVATION 14



SCALE:3"=1'-0"

SKIRT FLASHING 10

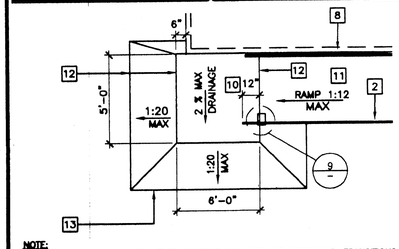


SCALE: 3"=1'-0"

ADJUSTABLE LEG 6

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

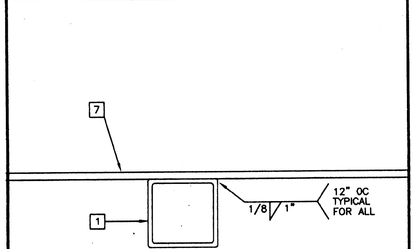
END ELEVATION 3



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: 1/4" = 1'-0" (BY DISTRICT)

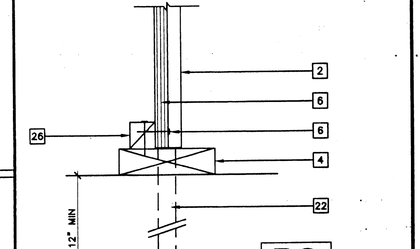
RAMP TRANSITION 19



DATE SIGNED APR 18 2003

SCALE: NTS

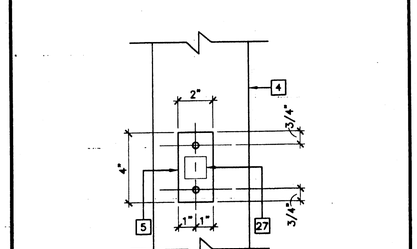
SECTION AT INTERIOR FRAME 15



PC
CBC 2001

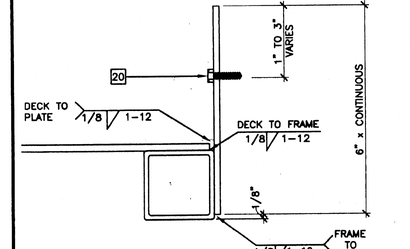
SCALE: 3"=1'-0"

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) EASED OR ROUNDED 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 T.S. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7 C.O.F. 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 (RAMP)
12. FLUSH TRANSITION
13. PAVE BY DISTRICT.
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. FASTEN POSTS WITH 3/8"ø THRU BOLT, TYPICAL
16. RAMP LANDING, TYPICAL
17. 26 GA FLASHING
18. 3/8"øx2" LONG MB WITH NUT & WASHERS
19. CAULKING
20. 6" x 10GA CONTINUOUS PLATE W /#14 x 2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14 x 2" TEK SCREWS INTO METAL AT 9"OC
21. PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
22. SILL RESTRAINT PIPE 1"ø - 12" MINIMUM EMBEDMENT
23. 3" MINIMUM BUILDING SERERATION
24. 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. 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. TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
28. SILL RESTRAINT PIPE 1"ø - 12" MINIMUM EMBEDMENT WITH 2"x2"x1/4" CAP PLATE WELDED TO PIPE
29. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003

FILE PATH: 2440-R2.02.DWG

PROJECT NO. 04-104801

REVISIONS			
1			
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3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architect's Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2956
REN. 8-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
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:

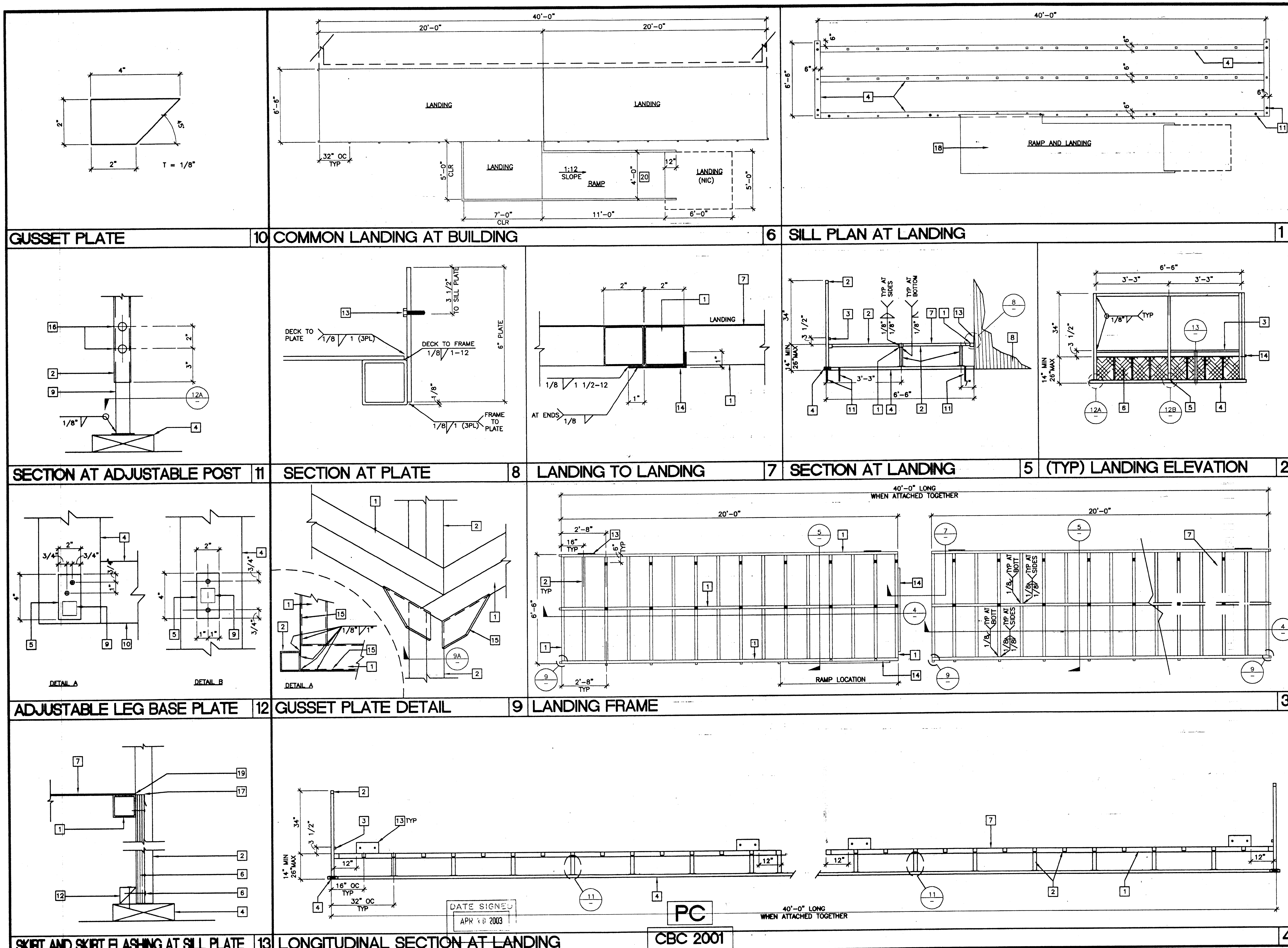
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

OFFSET RAMP/STAIR DETAILS

R2.02



KEY NOTES

1. TS 2"x2"x14GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI) EASED OR ROUNDED CORNER
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 TS USE #14 x 2" TEK SCREWS AT 6"OC
7. 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7 C.O.F. MAINTAINABLE FOR 1 YEAR
8. EXISTING BUILDING
9. TS 1 1/4"x1 1/4"x14 GA (Fy = 39KSI)
10. CORNER CONDITION
11. SILL RESTRAINT PIPE 1" DIA – 12" EMBEDMENT AT 10'-0" OC
12. 2"x2" NAILER WITH 16d AT 12" OC
13. 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14. 3"x1"x10 GA BENT PLATE – LENGTH VARIES
15. 1/8" THICK GUSSET PLATE 3 PLACES TOTAL – SEE PLANS FOR LOCATIONS
16. 3/8" DIAx2" LONG MB WITH NUT AND WASHERS
17. 26 GA FLASHING
18. FOR RAMP AND LANDING SPECIFICATIONS WITH DETAILED INFORMATION PLEASE REFER TO SHEETS R1.01 AND R1.02 FOR THE INTERMEDIATE LANDING DESIGN, AND SHEETS R2.01 AND R2.02 FOR THE RAMP DESIGN.
19. CAULKING
20. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

FILE PATH: 2440-R3.01.DWG

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HT.
3. SURFACE: LANDING AND RAMP TO HAVE NON-SLIP 0.7 MIN. COEFFICIENT OF FRICTION 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 TOTHE 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 TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)
7. OVERALL LENGTH OF THE LANDING MAY VARY FROM 26'-8" UP TO 40'-0". LENGTH MUST CONFORM TO STRUCTURAL DESIGN OF APPROVED LANDING. (MULTIPLES OF 32")

PROJECT NO.

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architect's Seal
1				
2				
3				
4				
5				

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE

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

PROJECT NUMBER:

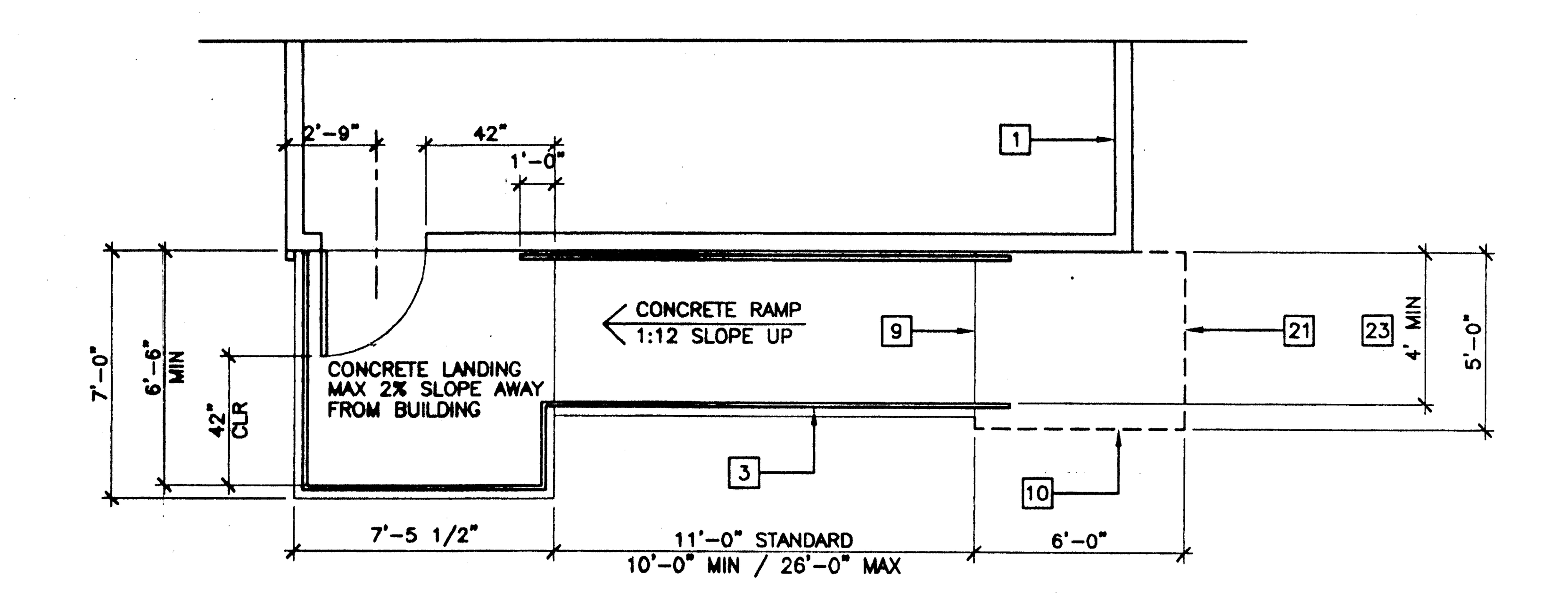
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

RAMP AND LANDING FULL LENGTH LANDING

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

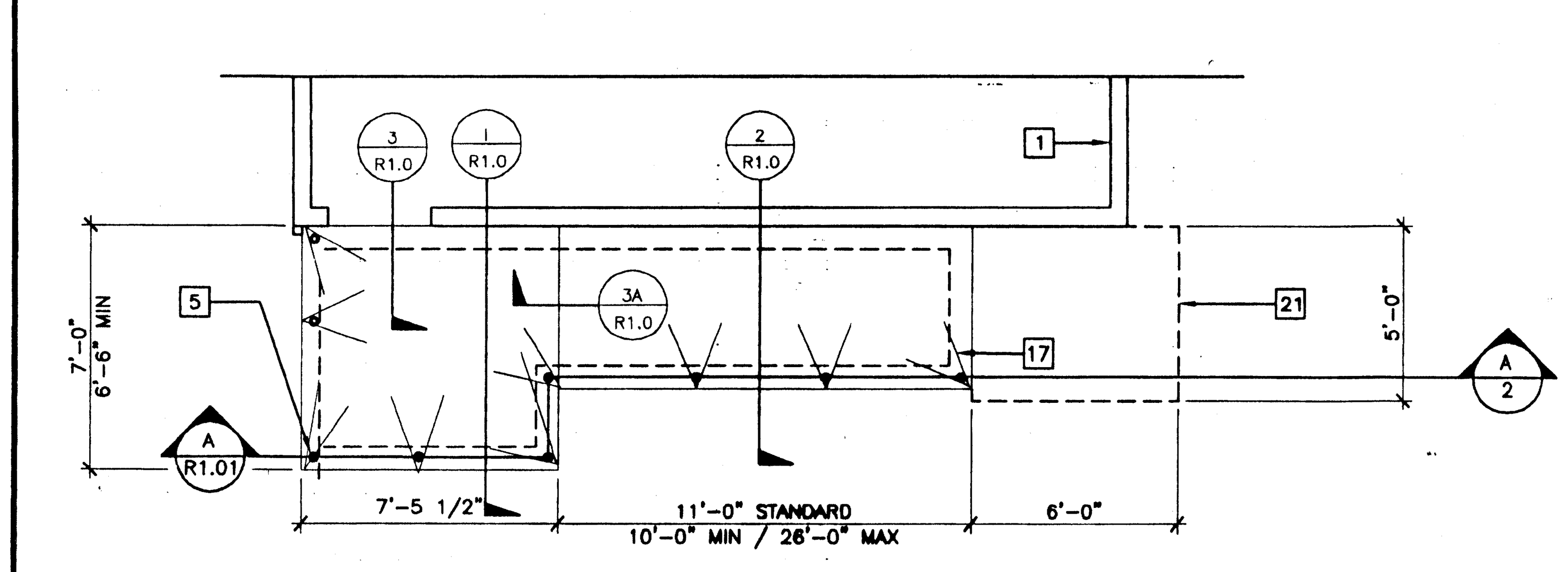
MODTECH Index No.
R3.01

104801



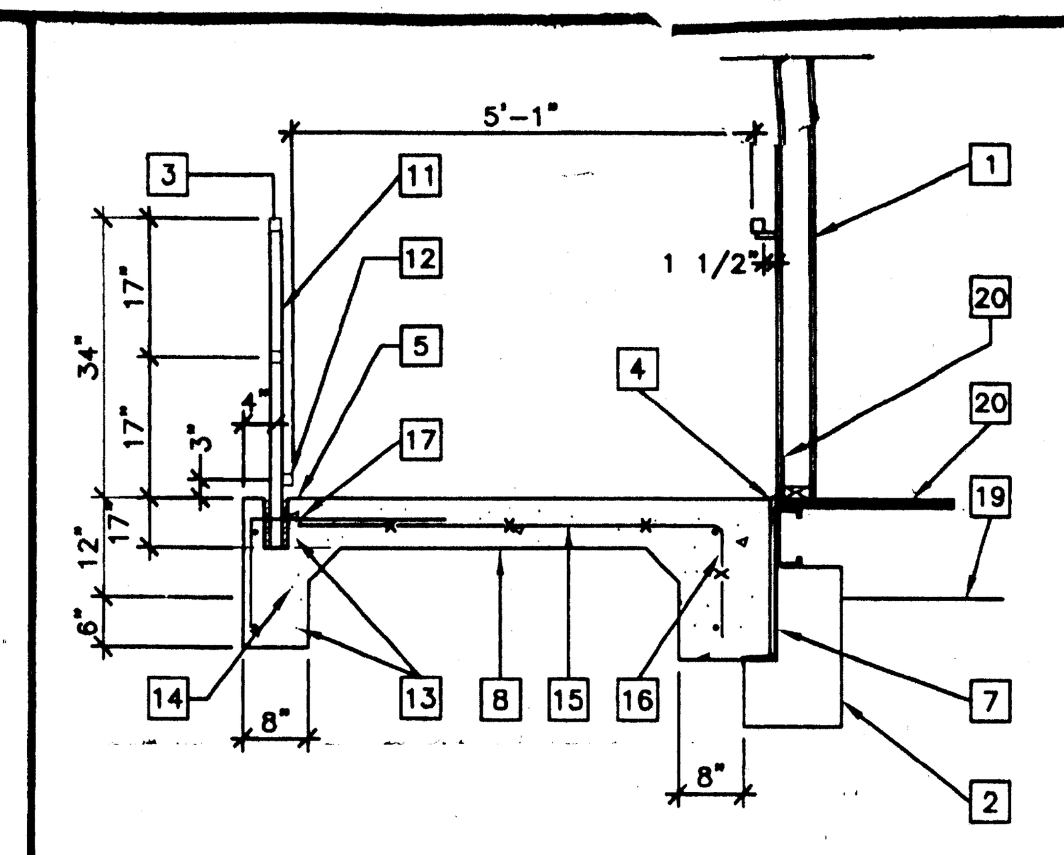
SCALE: NTS

RAMP PLAN AT BUILDING 8



SCALE: NTS

FOUNDATION PLAN 5



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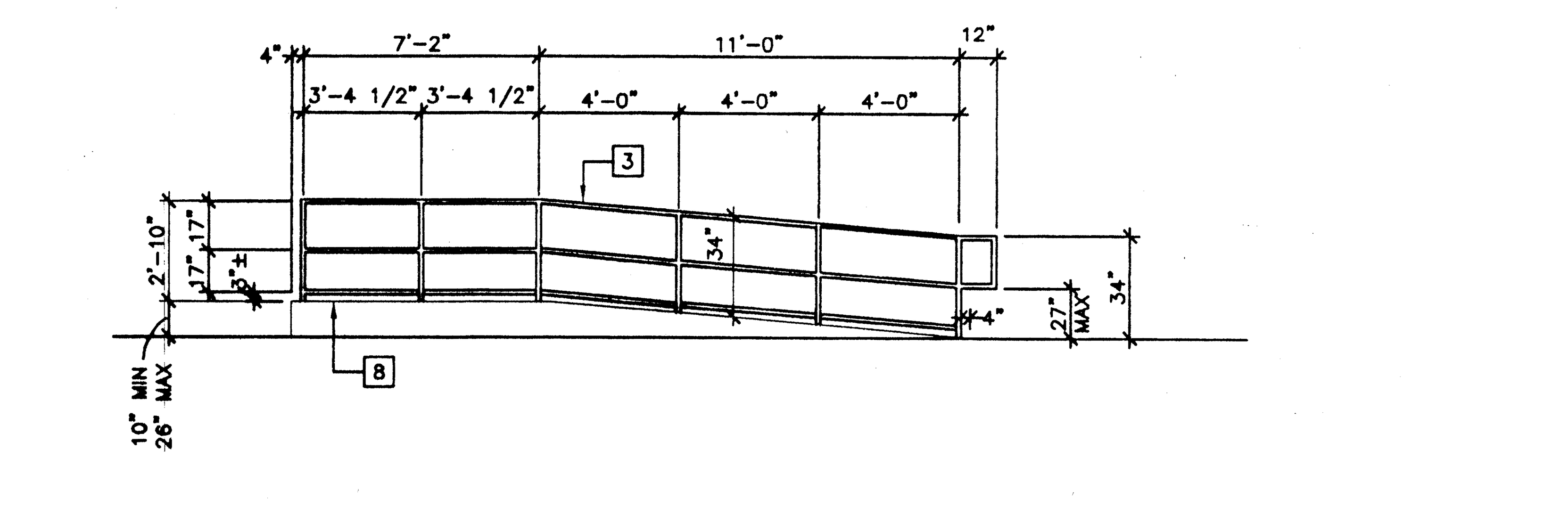
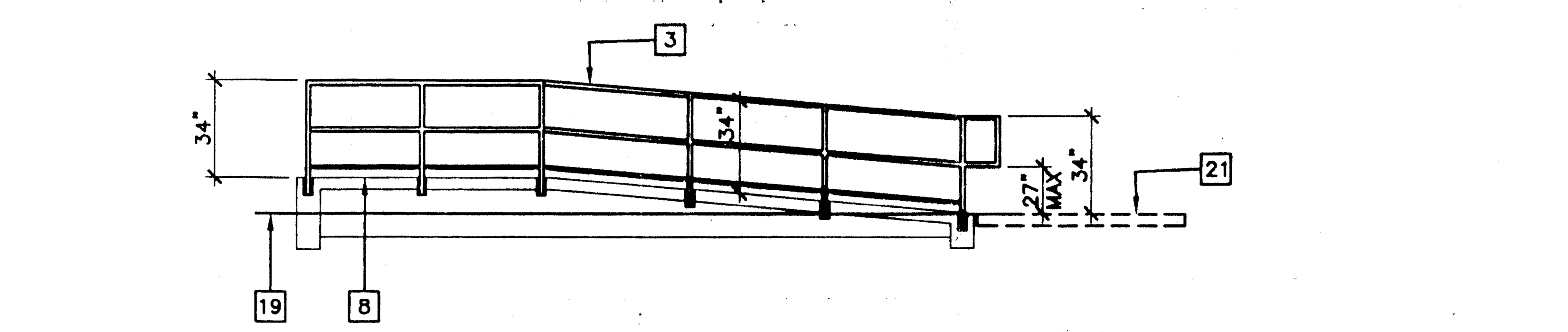
SECTION AT LANDING 1



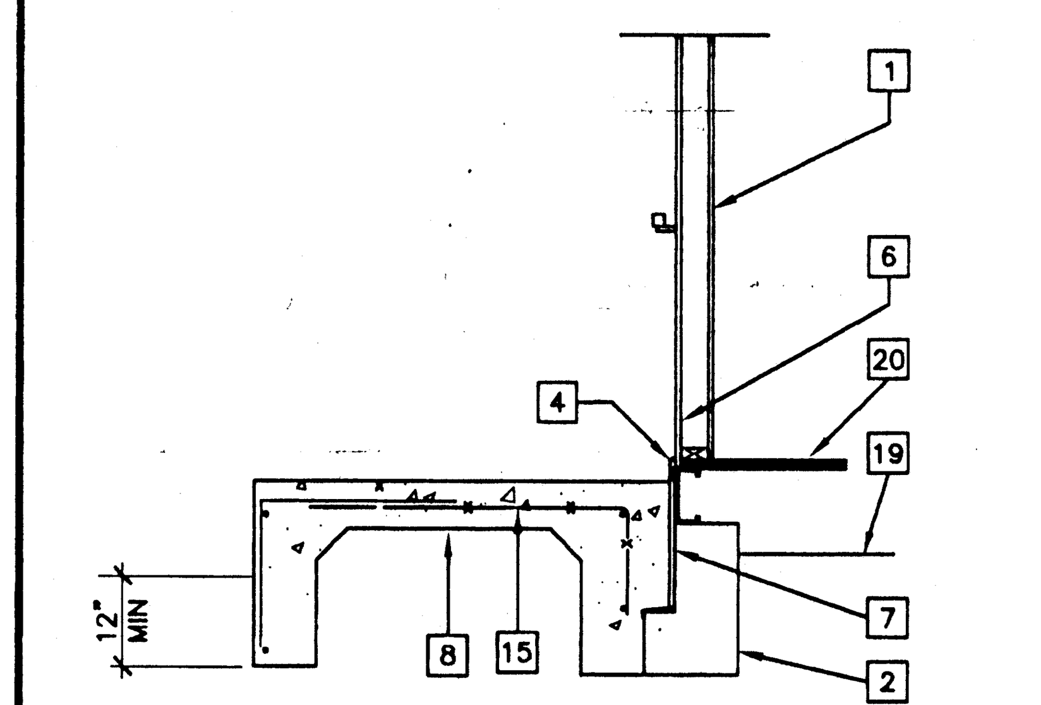
SCALE: NTS

RAMP / LANDING ELEVATION 9



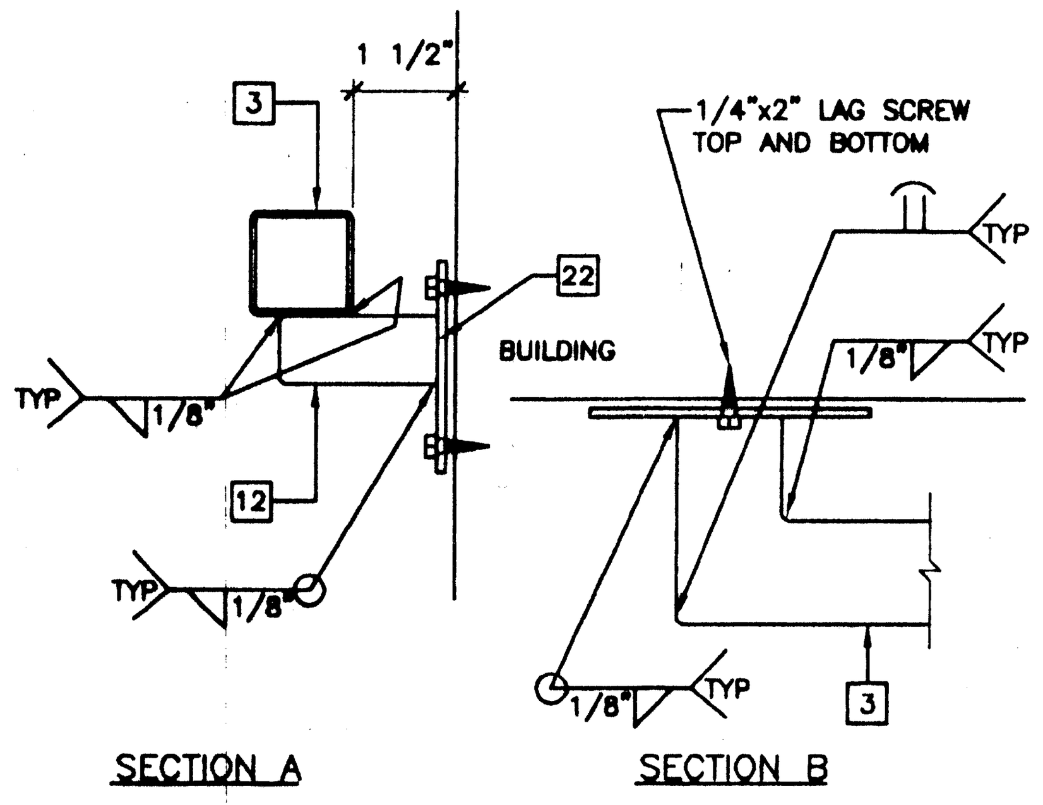
SCALE: NTS

RAMP / LANDING SECTION 6



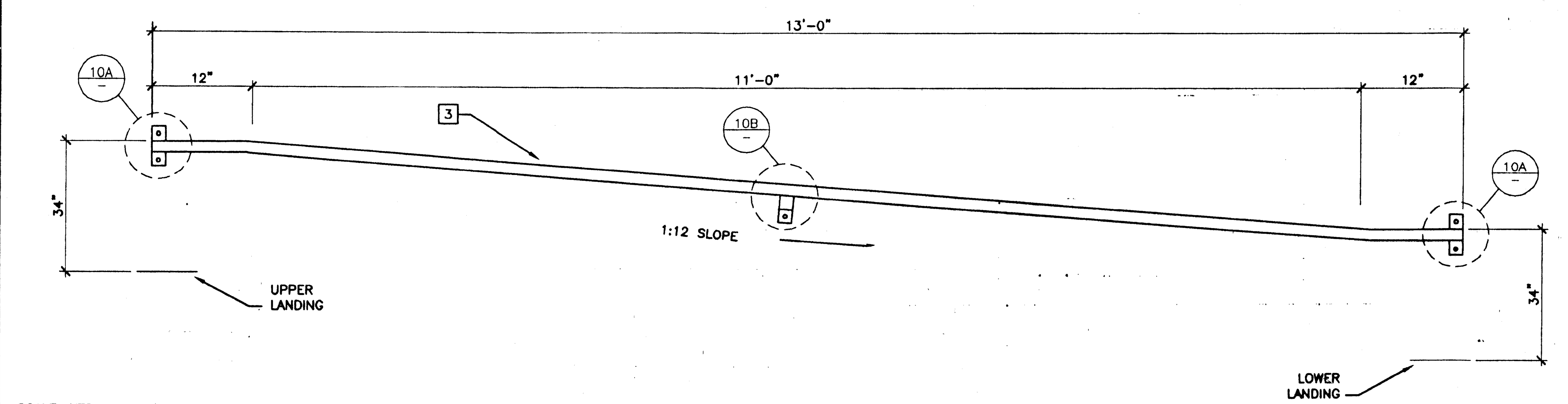
SCALE: NTS

SECTION AT RAMP 2



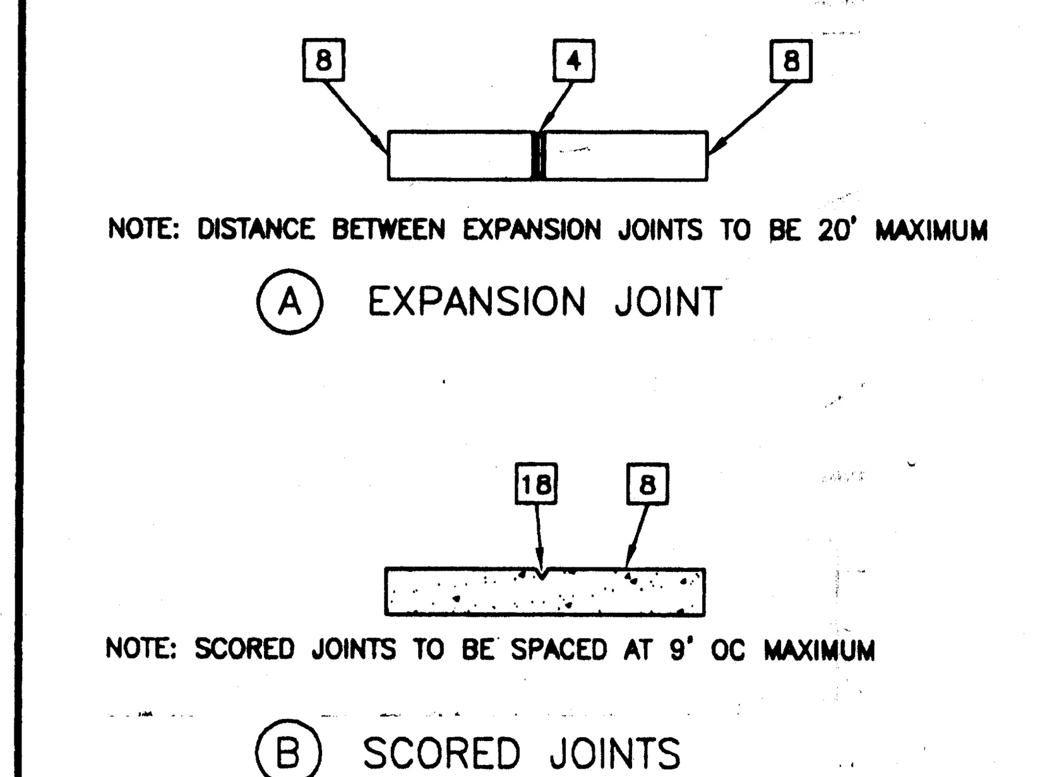
SCALE: NTS

HANDRAIL CONNECTION 10



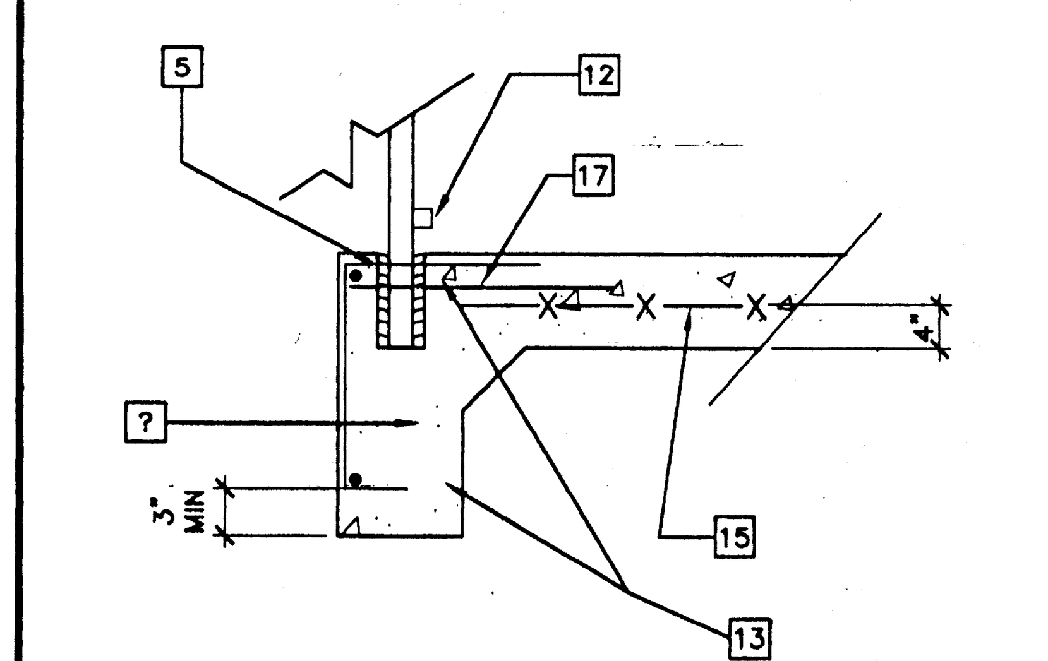
SCALE: NTS

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 7



SCALE: NTS

TYPICAL CONCRETE JOINTS 3



SCALE: NTS

TYPICAL CANOUT SECTION 4

SCALE: 3"=1'-0"

HANDRAIL CONNECTION

KEY NOTES

1. CLASSROOM BUILDING
2. FOOTING. SEE BUILDING FOUNDATION PLAN
3. TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED, EASED OR ROUNDED CORNERS
4. SEALANT OVER 1/2" COMPRESSIVE FILLER
5. 3" DIAx6" DEEP SCHEDULE 40 PVC CANOUT. REMOVE PVC, CLEAN OUT HOLE, PLACE RAIL LEG AND FILL WITH NON-SHRINKING GROUT.
6. 'Z' FLASHING BY MODTECH
7. 26 GA GALVANIZED FLASHING BY RAMP BUILDER
8. 6" CONCRETE SLAB OVER COMPACTED FILL WITH 6x6 10x10 WWM AT MID DEPTH OF SLAB.
9. SMOOTH TRANSITION
10. SMOOTH TRANSITION. LANDING TO PATH OF TRAVEL SURFACE
11. 1 1/2"x1 1/2"x0.188 (3/16") TUBE STEEL POSTS. ASTM A500 GRADE A FY = 39 KSI
12. 1"x1"x16GA TUBE STEEL RAIL SUPPORT
13. (1) – #4 CONT
14. #4 ⌐24 AT 12" OC
15. 6x6–10x10 WWM
16. BEND MESH DOWN
17. #3x24"x24" HAIRPIN AT EACH TUBE VERTICAL
18. SCORED CONCRETE JOINT
19. FINISH GRADE LEVEL
20. FINISH FLOOR LEVEL
21. 5'x6' LANDING BY DISTRICT. 2% SLOPE MAX AWAY FROM BUILDING
22. 2"x4"x1/8" PLATE
23. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'–0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'–0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

FILE PATH: 2440–R4.01.DWG

NOTES

DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF THE FINISH FLOOR FROM GRADE IS 26", THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP COULD BE 26' AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 12' AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT MUST DESIGN AND DETAIL FOR LENGTHS BEYOND THE 12' STANDARD AND MUST NOTIFY CLIENT AND MODTECH THAT A NON–STANDARD RAMP WILL BE REQUIRED.

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. LANDING AND RAMP TO HAVE NON SLIP 0.7 C.O.F. SURFACE.

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003

DATE SIGNED
APR 18 2003

PC

CBC 2001

REVISIONS	
1	
2	
3	
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Electrical Engineer's Seal | Mechanical Engineer's Seal | PC Professional of Record Seal | Architects Seal

LICENSED ARCHITECT
GEORGE C. SIMONDS
No. C 2956
REN. 9-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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:

© MODTECH, INC. 2002

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

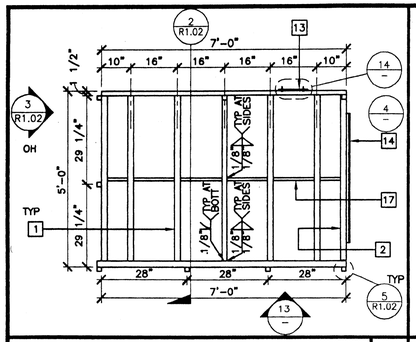
DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

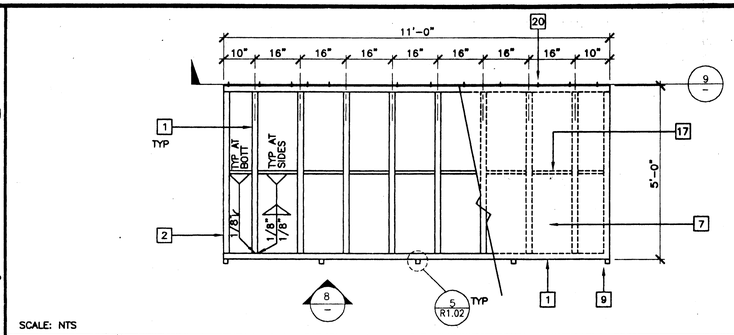
CONCRETE RAMP/LANDING

R4.01

PROJECT NO.
PC-04-104801



LANDING FRAME | 12



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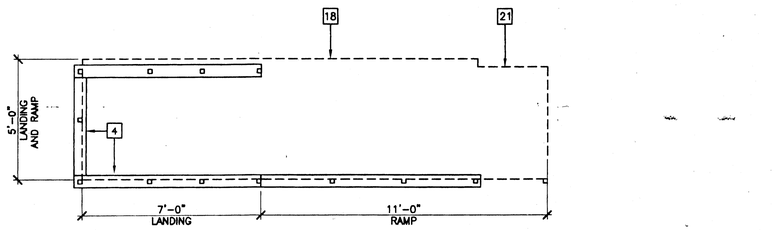
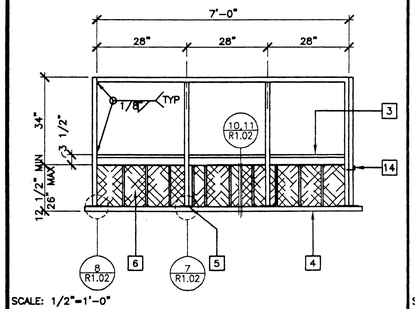
RAMP FRAME | 7



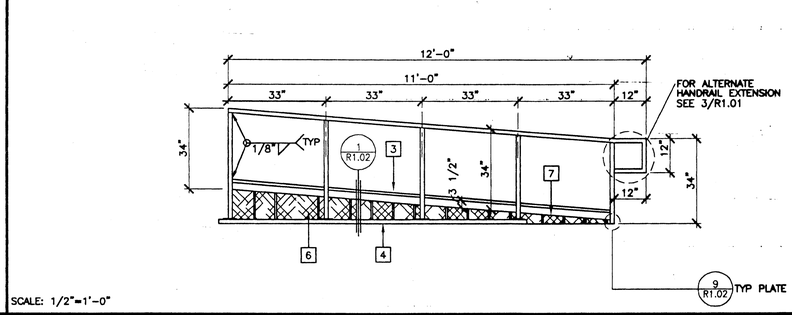
SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING | 1



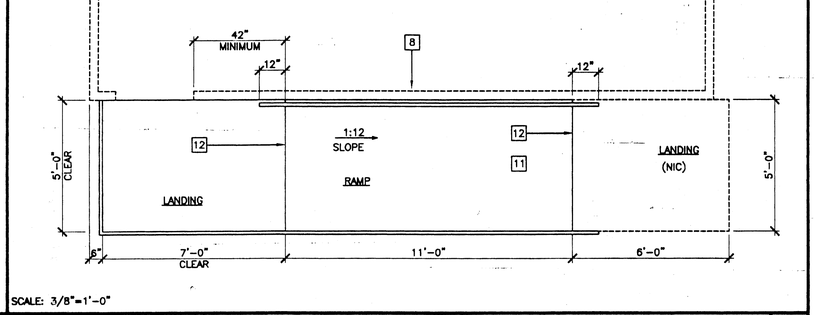
SCALE: 1/2"=1'-0"

LANDING ELEVATION | 13



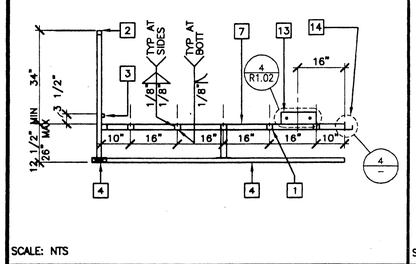
SCALE: 1/2"=1'-0"

RAMP ELEVATION | 8



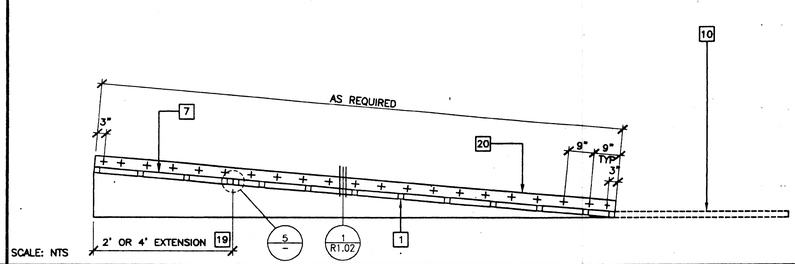
SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING | 2



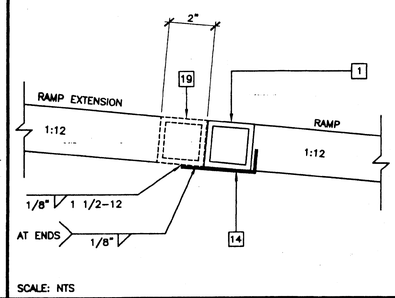
SCALE: NTS

SECTION AT LANDING | 14



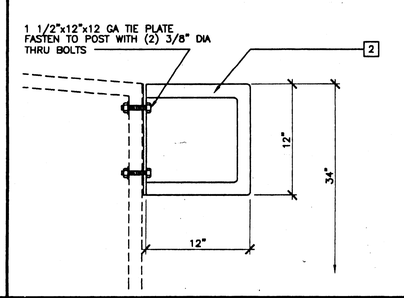
SCALE: NTS

LONGITUDINAL SECTION AT RAMP | 9

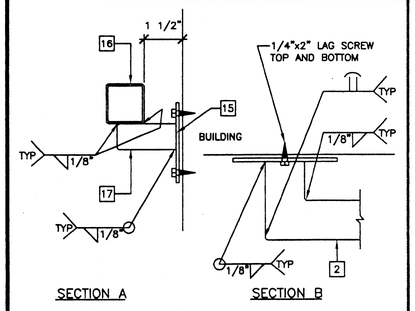


SCALE: NTS

RAMP EXTENSION TO RAMP | 5

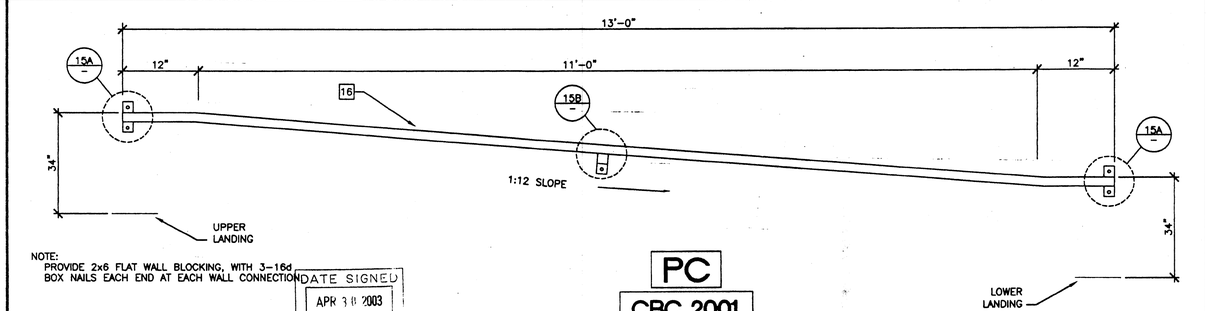


ALTERNATE GUARD RAIL EXTENSION | 3



SCALE: NTS

HANDRAIL CONNECTION | 15



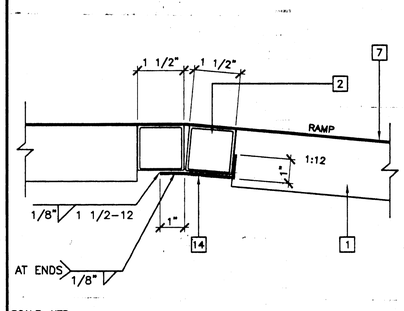
SCALE: NTS

DATE SIGNED APR 18 2003

PC

CBC 2001

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) | 6



SCALE: NTS

RAMP AT LANDING | 4

KEY NOTES

1. TS 2"x2"x11 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI), 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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105299
AC FLS SS
DATE MAY 22 2003

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)

REVISIONS		
1		
2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER No. 53602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS JR. No. C 2956 REN. 8-30- STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

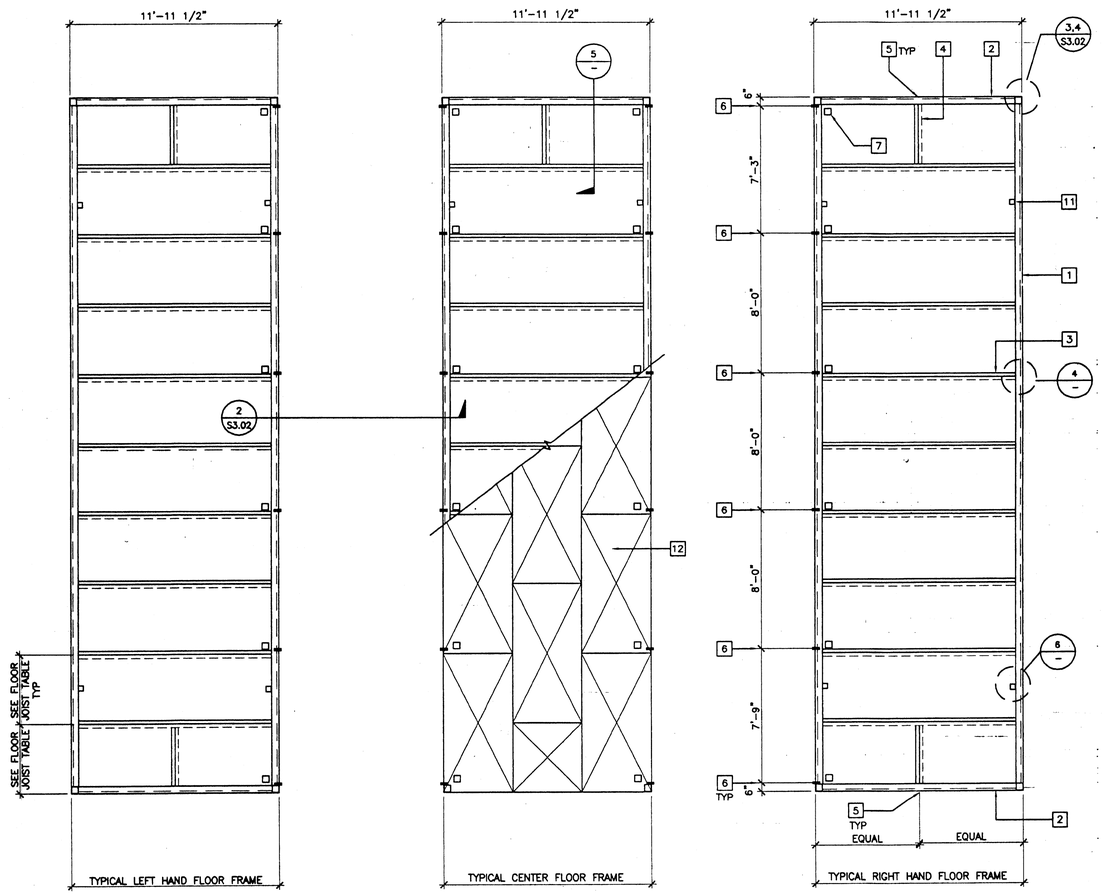
MODTECH Index No.
R5.01

5 FOOT RAMP/LANDING

PROJECT NO. PC-04-104801

FILE PATH: 2440-R5.01.DWG

REAR



FRONT

SEE FLOOR JOIST TABLE FOR APPROPRIATE SPACING

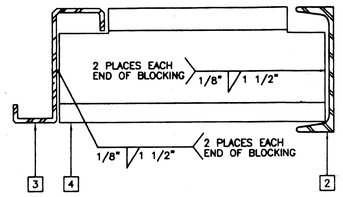
FLOOR FRAMING PLAN

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

DATE SIGNED APR 1 8 2003

PC

CBC 2001



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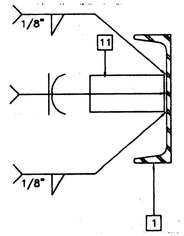
FLOOR HEADER BLOCKING 5

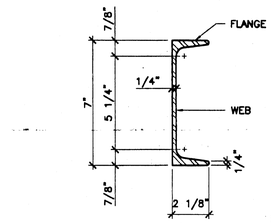


SCALE: NTS

SHIPPING HOLD DOWN 6

7

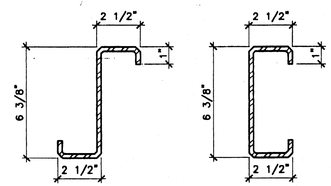
8



C7x9.8 - ASTM A36

SCALE: 3"=1'-0"

FLOOR BEAM/HEADER 1



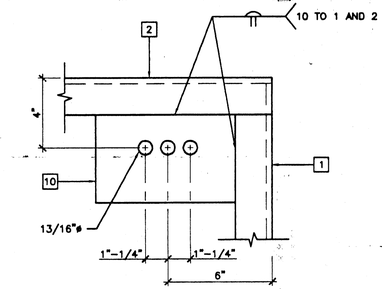
STANDARD JOIST
t = 0.105
12 GAUGE
Sx = 2.613 IN³
Ix = 8.328 IN⁴

ALTERNATE JOIST
t = 0.105
12 GAUGE
Sx = 2.525 IN³
Ix = 8.049 IN⁴

ASTM A-570 GRADE 33

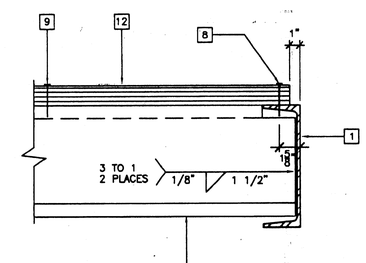
SCALE: 3"=1'-0"

FLOOR JOIST 2



SCALE: 3"=1'-0" OPTIONAL

ANCHOR PLATE CONCRETE FOUNDATION 3



NOTE:
THIS WELD SHALL PROVIDE A 1 1/2" WELD EVERY 2". THE SYMBOL INDICATES TO PUT THE SAME TWO (1/8" FILLET) WELDS ON EACH FACE OF THE JOIST.

SCALE: NTS

FLOOR JOIST TO FLOOR BEAM 4

KEY NOTES

1. [FLOOR BEAM, COPE TO MATE WITH HEADER - 1/S1.01
2. [FLOOR HEADER - 1/S1.01
3. ⎍ FLOOR JOIST - 2/S1.01
4. ⎍ BLOCKING AT MIDSPAN OF FLOOR HEADER - 2/S1.01
5. 11/16"ø HOLE AT MIDDEPTH FOR HANDLING
6. 11/16"ø MODLINE BOLT HOLE - 2/S3.01
7. 5" SQUARE HAND HOLES AT EACH MODLINE BOLT LOCATION
8. EDGE NAILING AT FLOOR BEAM OR HEADER - #10 x 1 3/4" SELF TAPPING FLAT HEAD SCREWS AT 6" OC
9. EDGE NAILING OR FIELD NAILING - AEROSMITH BZH .144 SHOT PINS (ICBO NO. ER-5667) AT 6" OC, FIELD NAILING TO BE 10" OC FOR PURLIN SPACING OF 32" OR LESS
10. 5" x 8" x 1/4" STEEL ANCHOR PLATE FOR OPTIONAL CONCRETE FOUNDATION ONLY
11. 3 1/2" x 3 1/2" x 1/4" TUBE STEEL CUT TO 1 3/4" LENGTH - SHIPPING HOLD DOWN
12. PLYWOOD FLOOR SHEATHING: APA PS 1-95, 1 1/8" THICK STURD-I-FLOOR WITH 48" OC SPAN RATING - LAYOUT PATTERN SHOWN IS TYPICAL

NOTE:
ALL COLD-FORMED SECTION PROPERTIES SHOWN ARE GROSS PROPERTIES

FLOOR JOIST TABLE

LIVE LOAD	STANDARD JOIST SPACING	UPGRADE TO STIFFEN FLOOR OPTIONAL JOIST SPACING		
50 PSF	48"	32"	24"	16"
50 + 20 PSF	32"	24"	16"	12"
100 PSF	24"	16"	12"	N/A
125 PSF	16"	12"	N/A	N/A

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 105299
AC. FLS.
DATE MAY 2 2 2003

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal — STRUCTURAL — STATE OF CALIFORNIA — LICENSE EXPIRES 6-30-2004

Architects Seal — LICENSED ARCHITECT — GEORGE C. ENRIQUEZ — REG. C 2958 — REN. 9-30- — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04
104801
AC. FLS. SS DVL
DATE 4/2/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

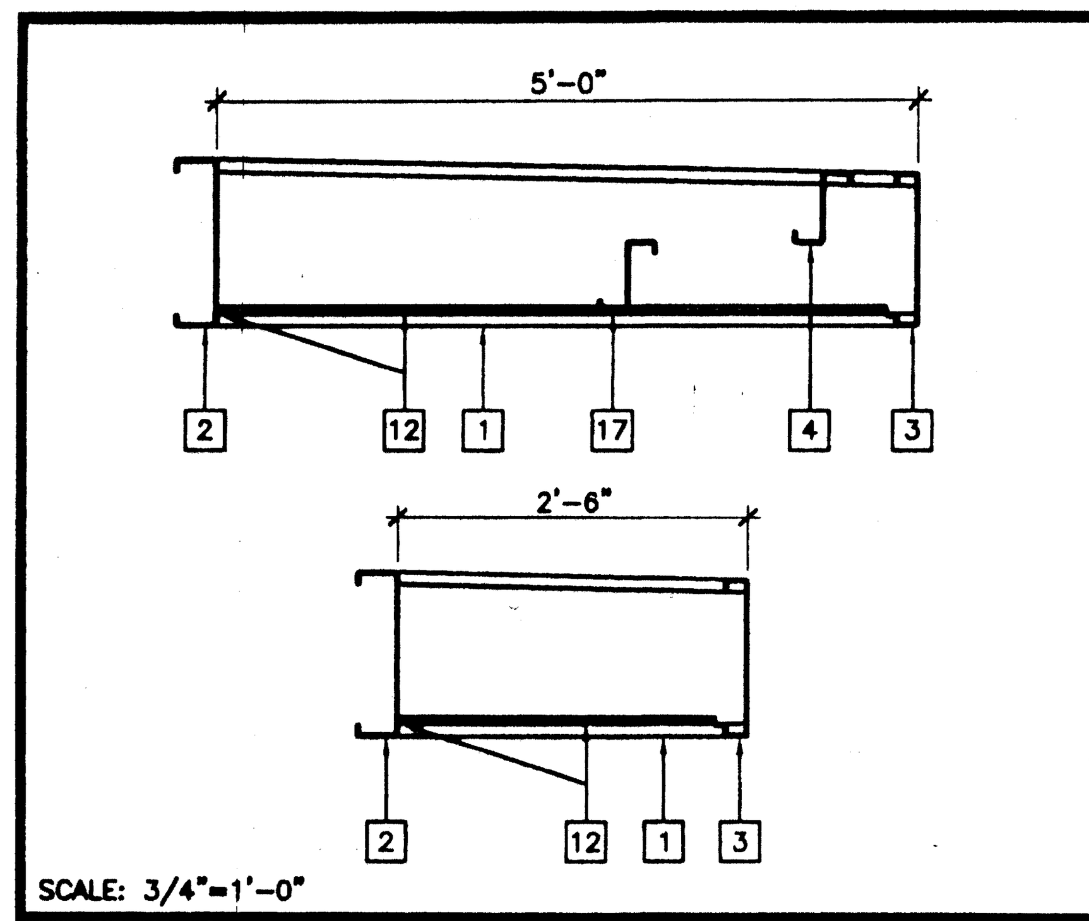
MODTECH Index No.

FLOOR FRAMING PLAN WOOD FLOOR

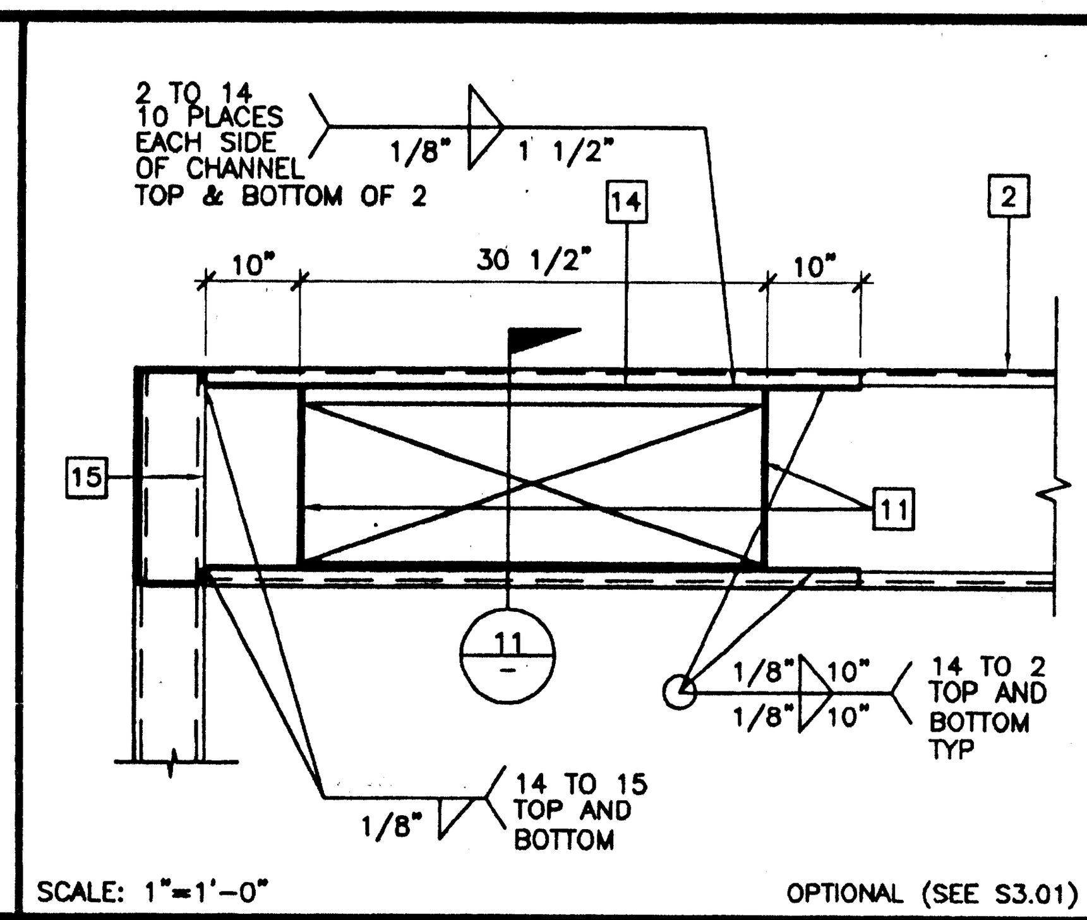
S1.01

PROJECT NO. PC-04-104801

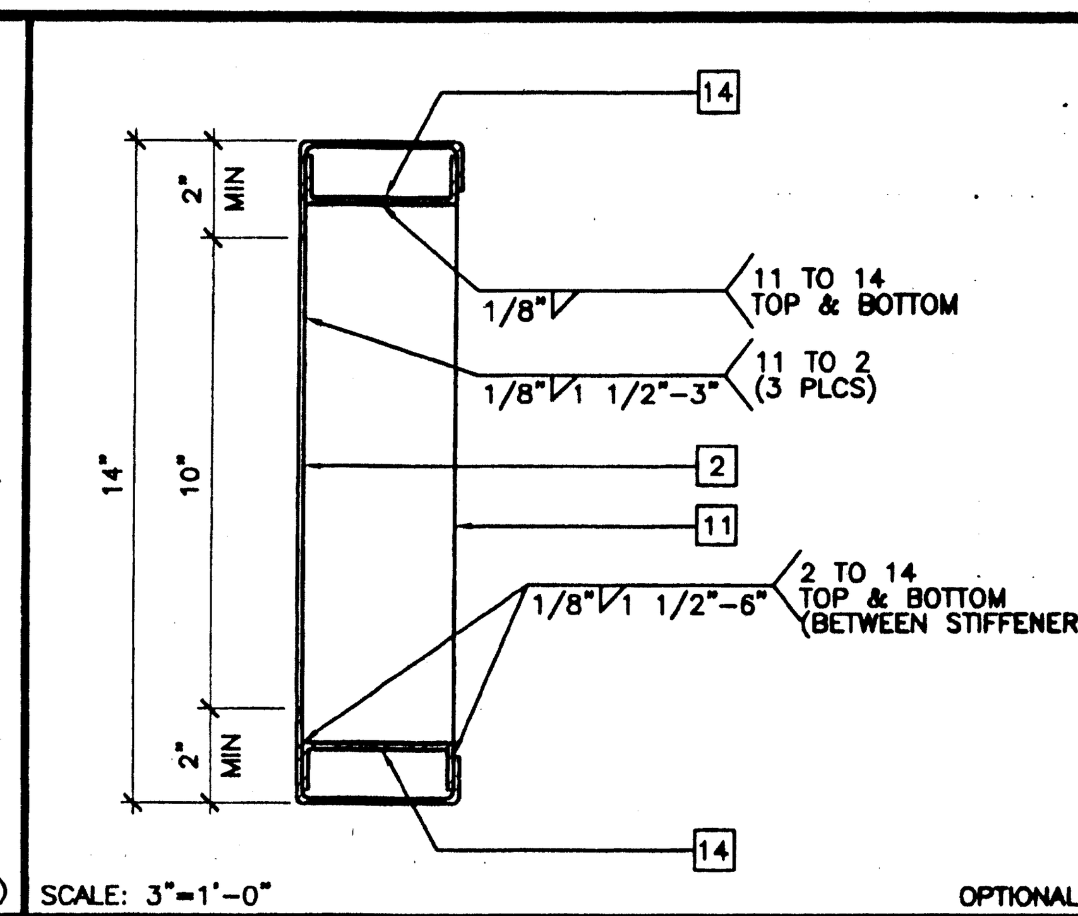
FILE PATH: 2440-S1.01.DWG



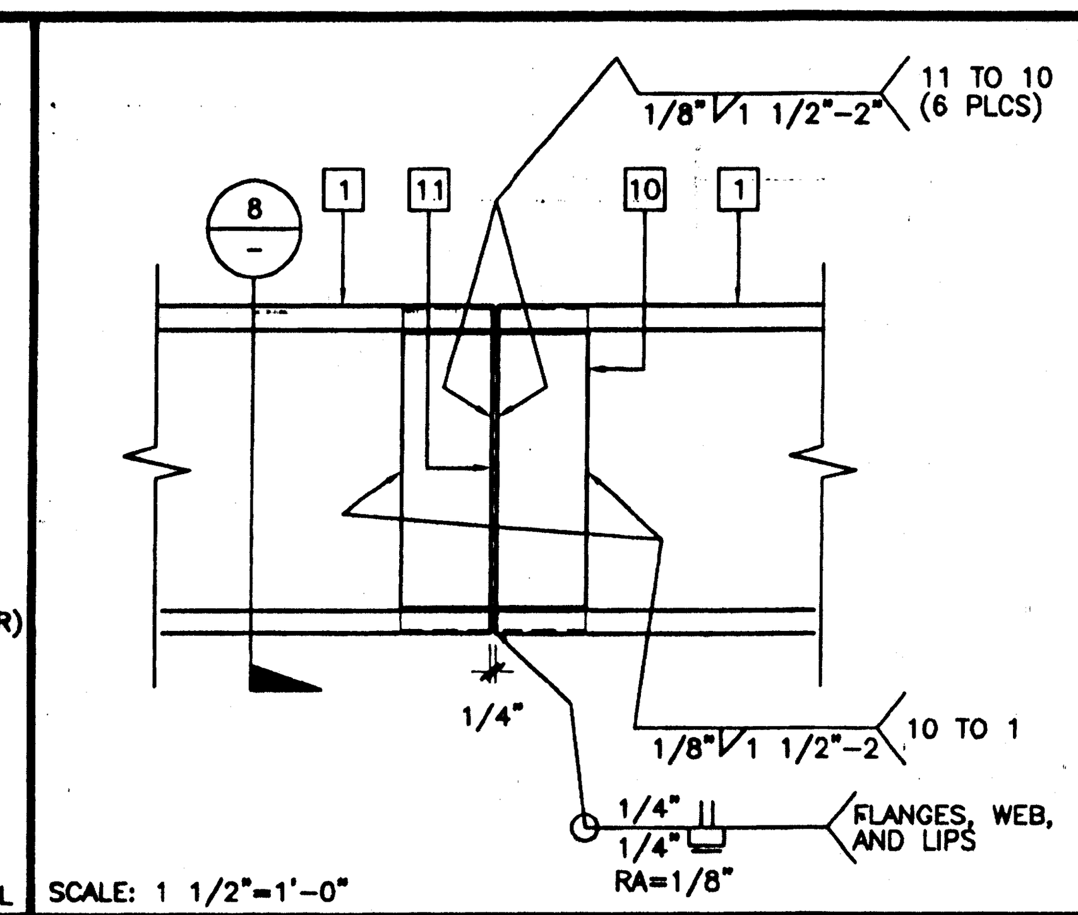
OVERHANGS 13



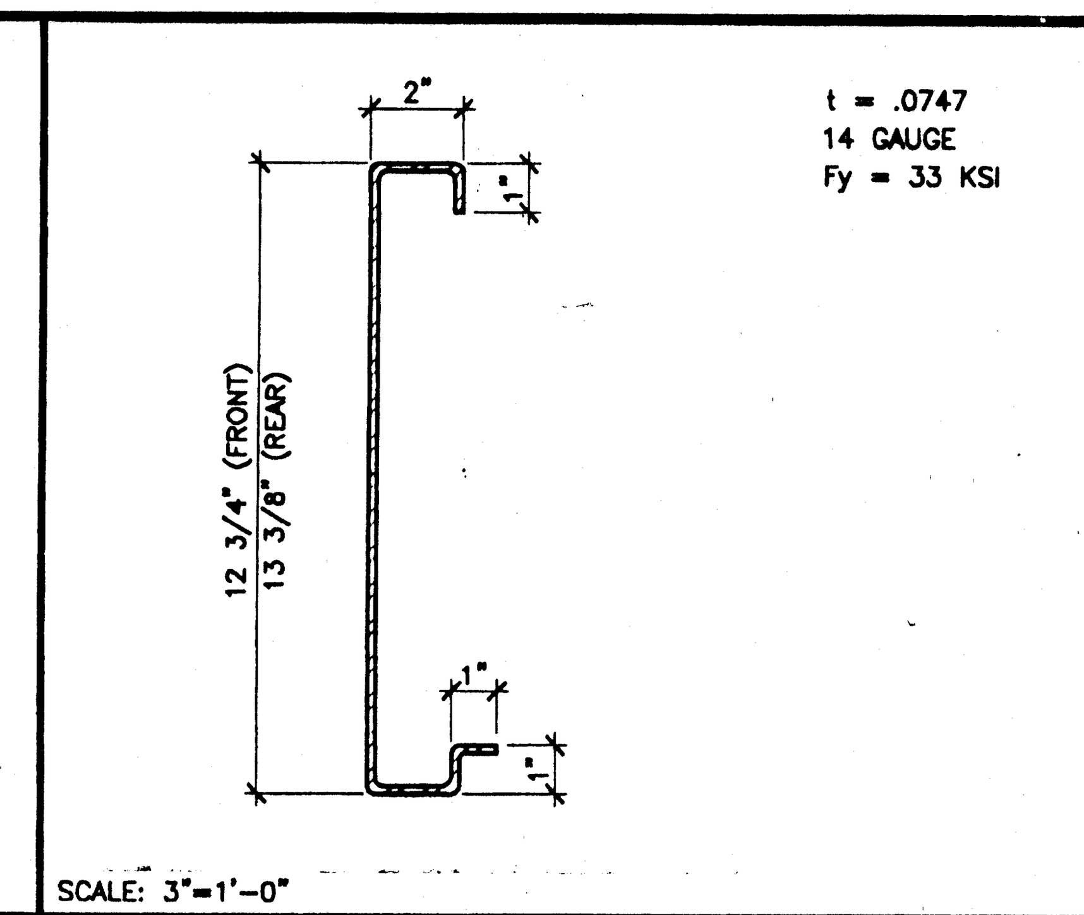
HVAC OPENING IN ROOF HEADER 12



HVAC OPENING IN ROOF HEADER 11



BEAM SPLICE 7



ROOF FASCIA 3

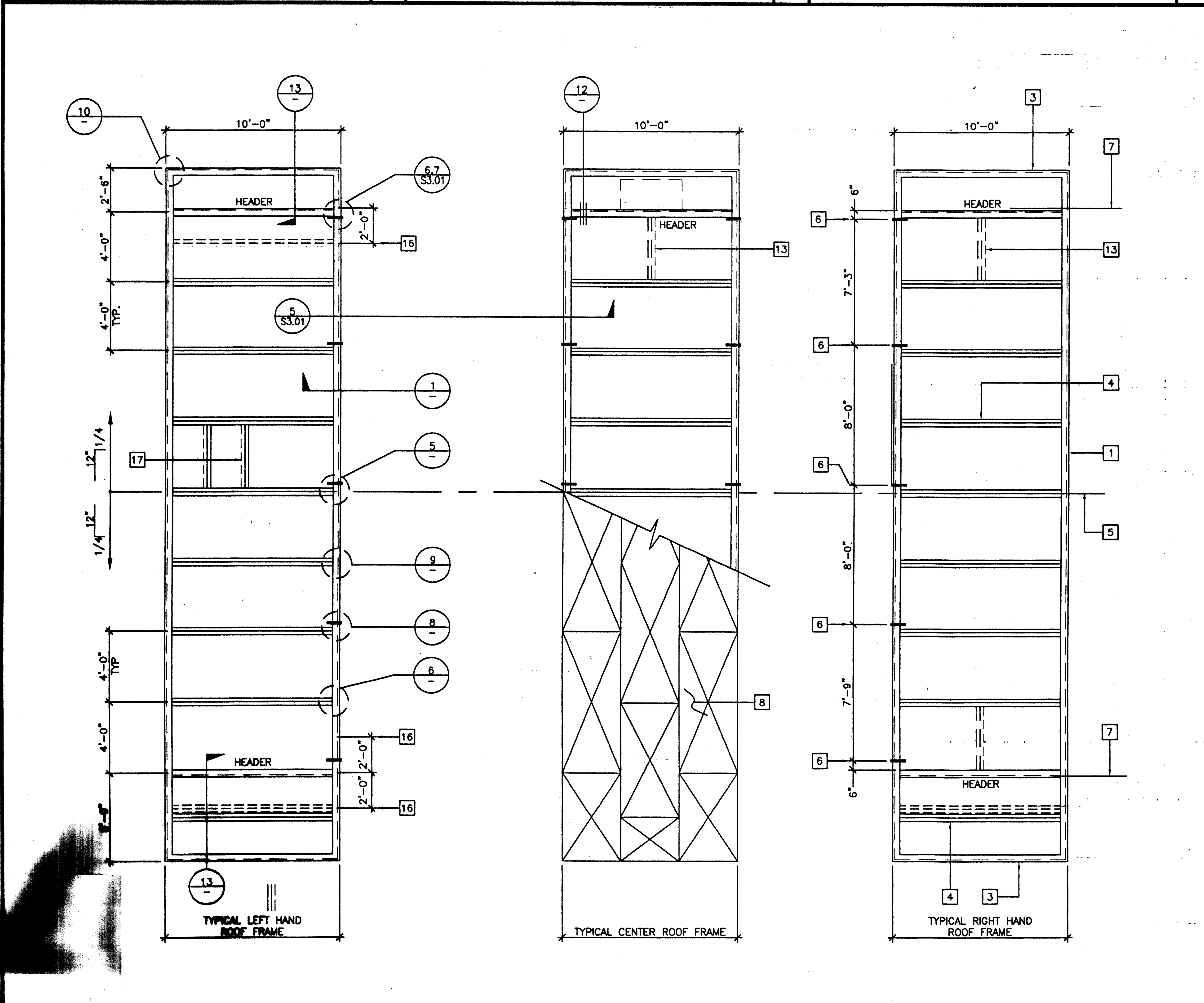
KEY NOTES

1. [TAPERED ROOF BEAM – 1/S2.01
2. [ROOF HEADER – 2/S2.01
3. [ROOF FASCIA – 3/S2.01
4. ʃ ROOF PURLIN – 4/S2.01 (NOTE: DOUBLE ALL ROOF PURLINS WHERE MOVABLE PARTITION OCCURS. SEE A7.01)
5. RIDGE LINE
6. 11/16" DIA DRILLED HOLE – 5/S3.01
7. EDGE NAIL THIS LINE
8. PLYWOOD ROOF SHEATHING, 3/4" CD EXPOSURE 1, P.1.1 48/24, PSI–95 PLYCLIPS AT 16" OC MAX ON LONG EDGES #10 x 1 1/4" SELF TAPPING FLAT HEAD SCREWS AT 6" OC TO PERIMETER FRAME.
   ALTERNATE: USE AEROSMITH BZH .144 SHOT PINS (ICBO NO. ER –5667) AT 6" OC TO PERIMETER FRAME, AEROSMITH BZH .144 SHOT PINS AT 6" OC AT SUPPORTED EDGES AND 6" OC FIELD NAILING TO PURLINS.
   PLYWOOD PATTERN SHOWN IS TYPICAL.
9. OPTIONAL BEAM SPLICE LOCATIONS
10. 10 GA BENT PLATE BACK UP
11. 1/4" FULL DEPTH STIFFENER PLATE AT 4'–0" OC TYPICAL ALIGN WITH PURLIN
12. 1/2"x1/2" 16 GA ANGLE, TACK WELD TO HEADER AND ROOF BEAM
13. USE 6" x 2 1/2" 14 GA BLOCKING AT HEADER MIDSPAN FOR 80 MPH DESIGN WIND LOAD ONLY
14. 3 1/2" x 1" 10 GA CHANNEL STIFFENER
15. TUBE STEEL STIFFENER
16. LOCATION OF ADDITIONAL PURLIN FOR BUILDINGS THAT EXCEED 2160 SQUARE FEET
17. USE 6" x 2 1/2" 14 GA BLOCKING FOR ROUGH OPENING OF OPTIONAL ROOF MOUNT HVAC. SPACING AND LOCATION WILL VARY (HV)

NOTE:

ALL COLD–FORMED SECTION PROPERTIES SHOWN ARE GROSS PROPERTIES

FILE PATH: 2440–S2.01.DWG



ROOF FRAMING PLAN

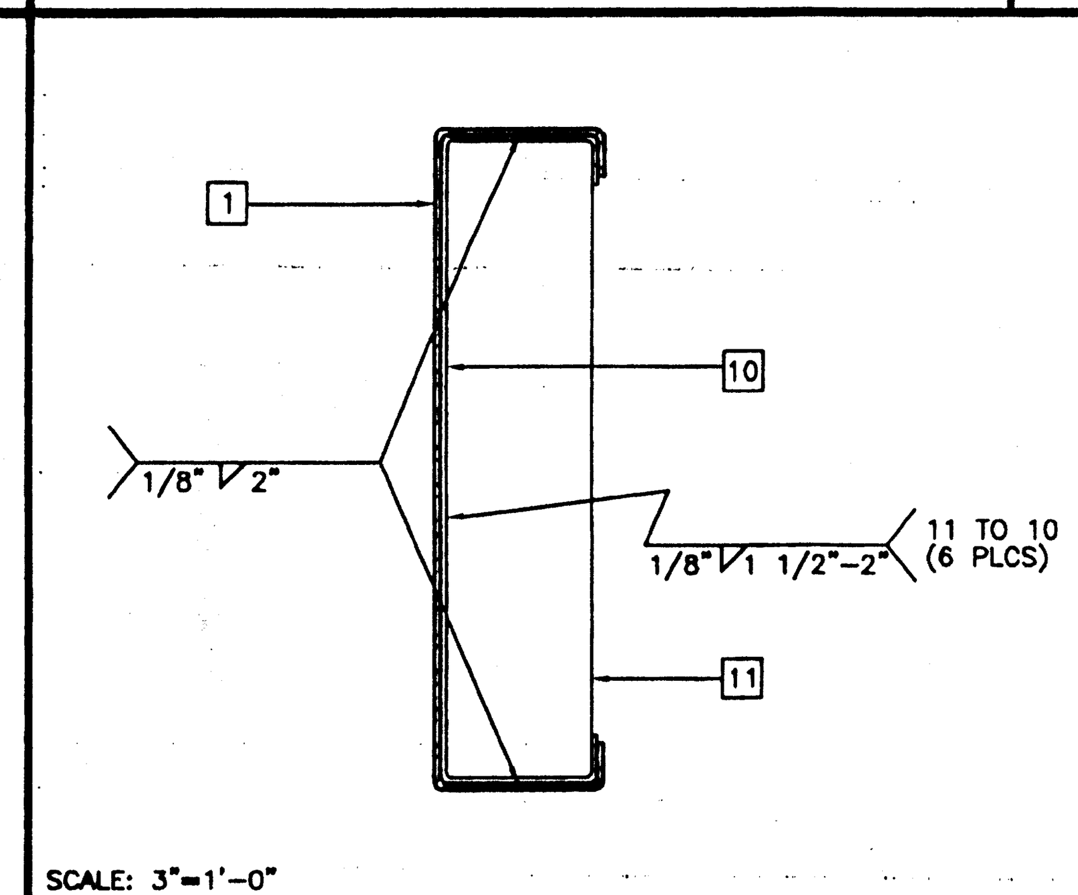
DATE SIGNED APR 3 0 2003

26 GA/DUAL PITCH/8 & 12 LIGHTS

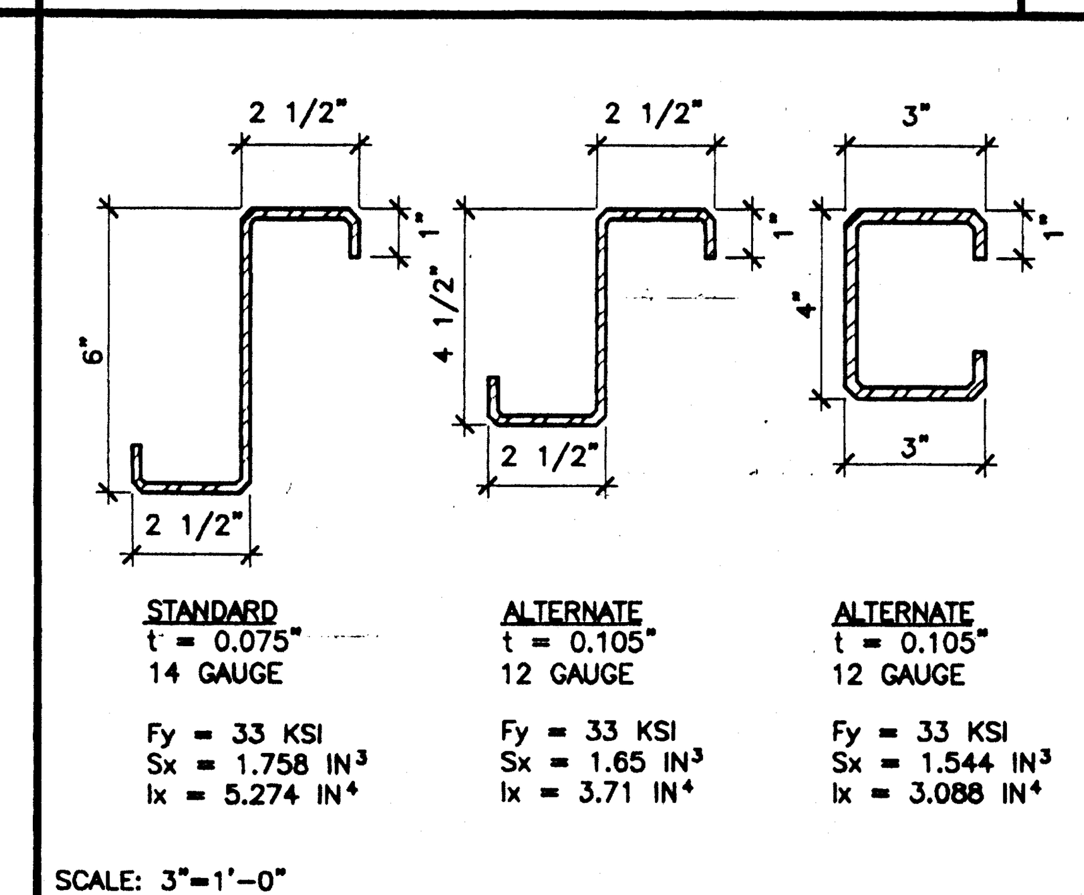
SCALE: 1/4" = 1'-0"

PC

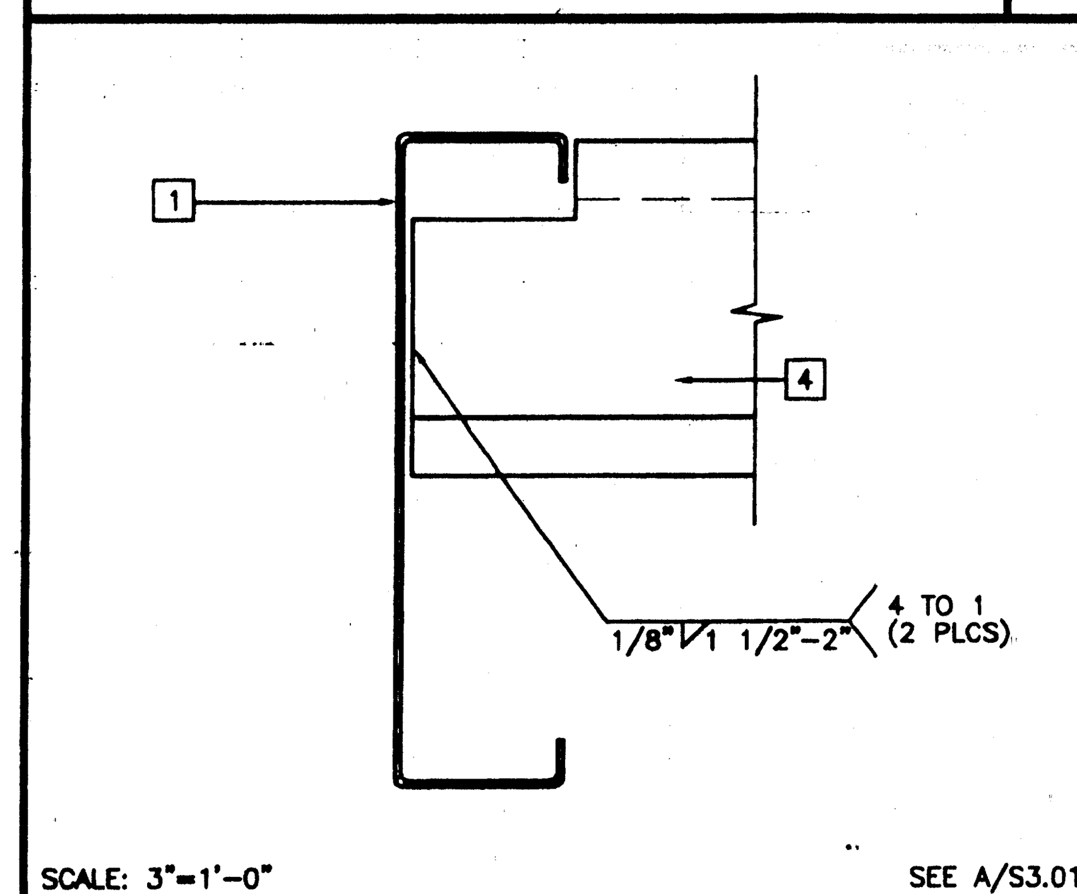
CBC 2001



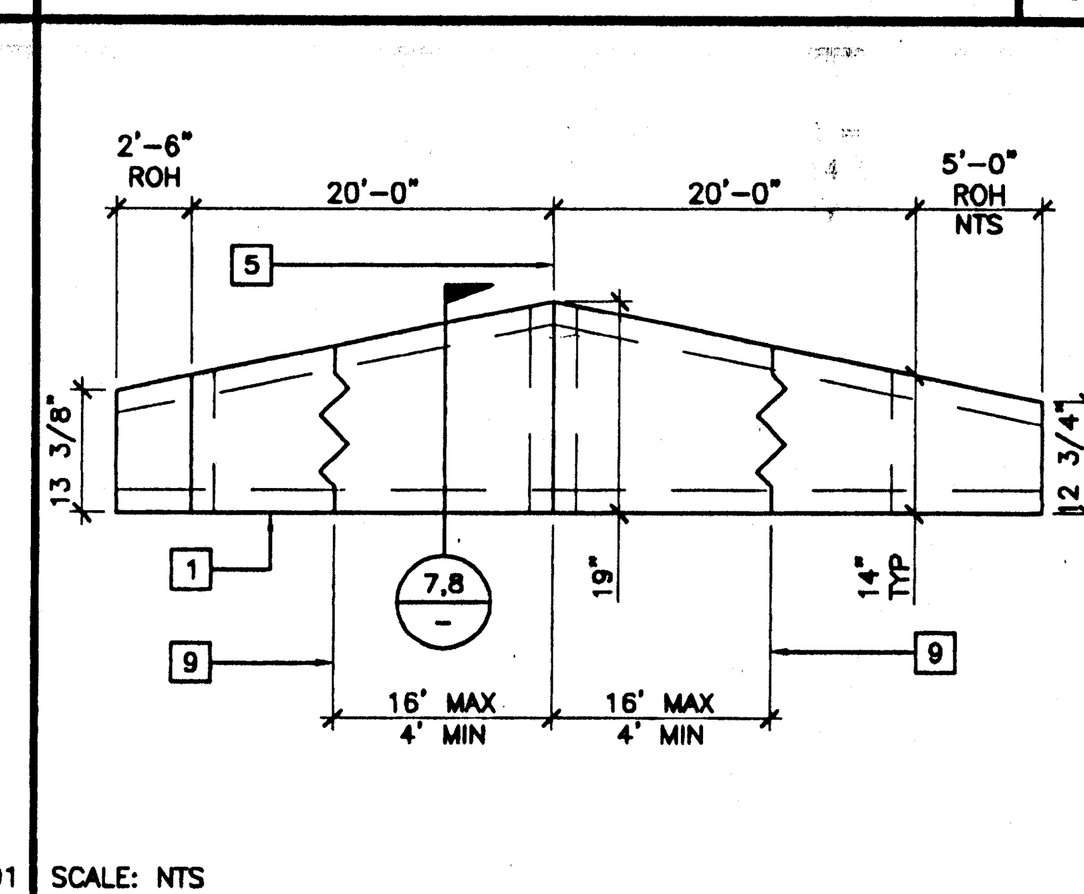
STIFFENER PLATE AT SPLICE 8



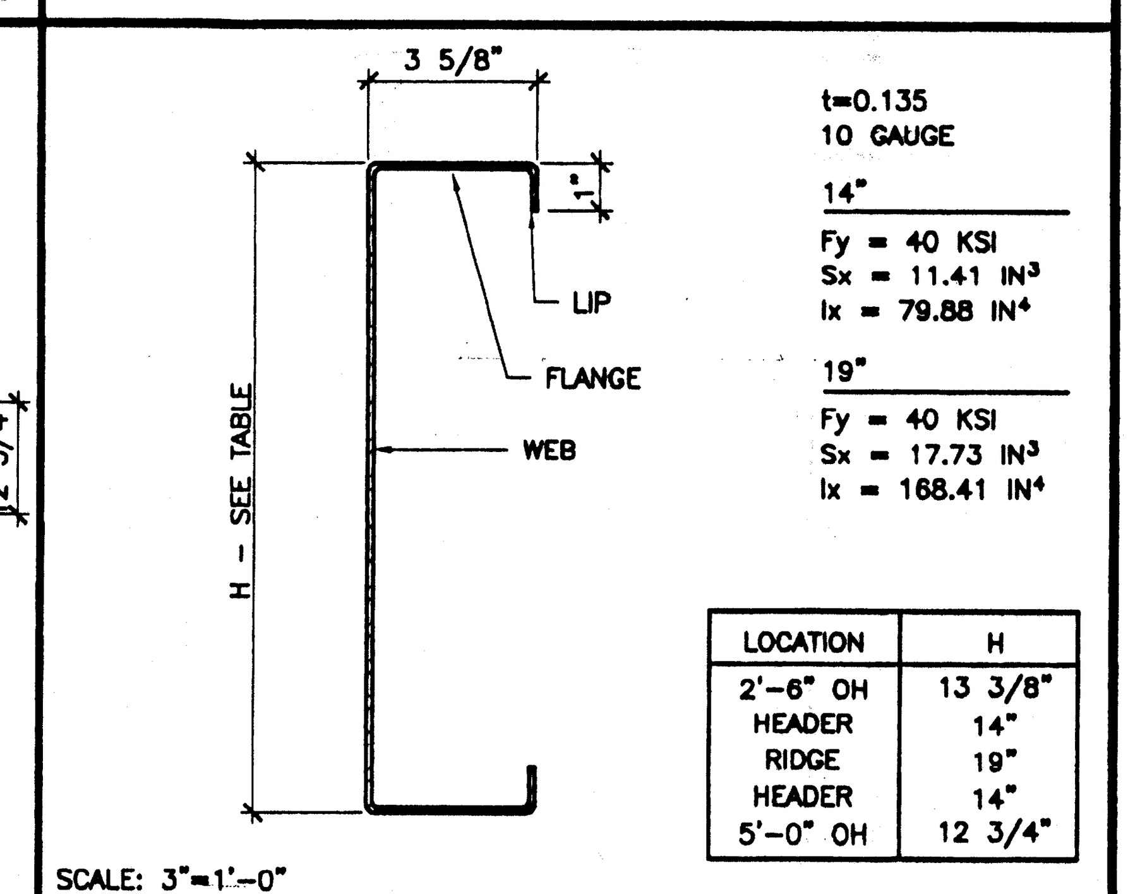
ROOF PURLIN 4



PURLIN TO ROOF BEAM 9

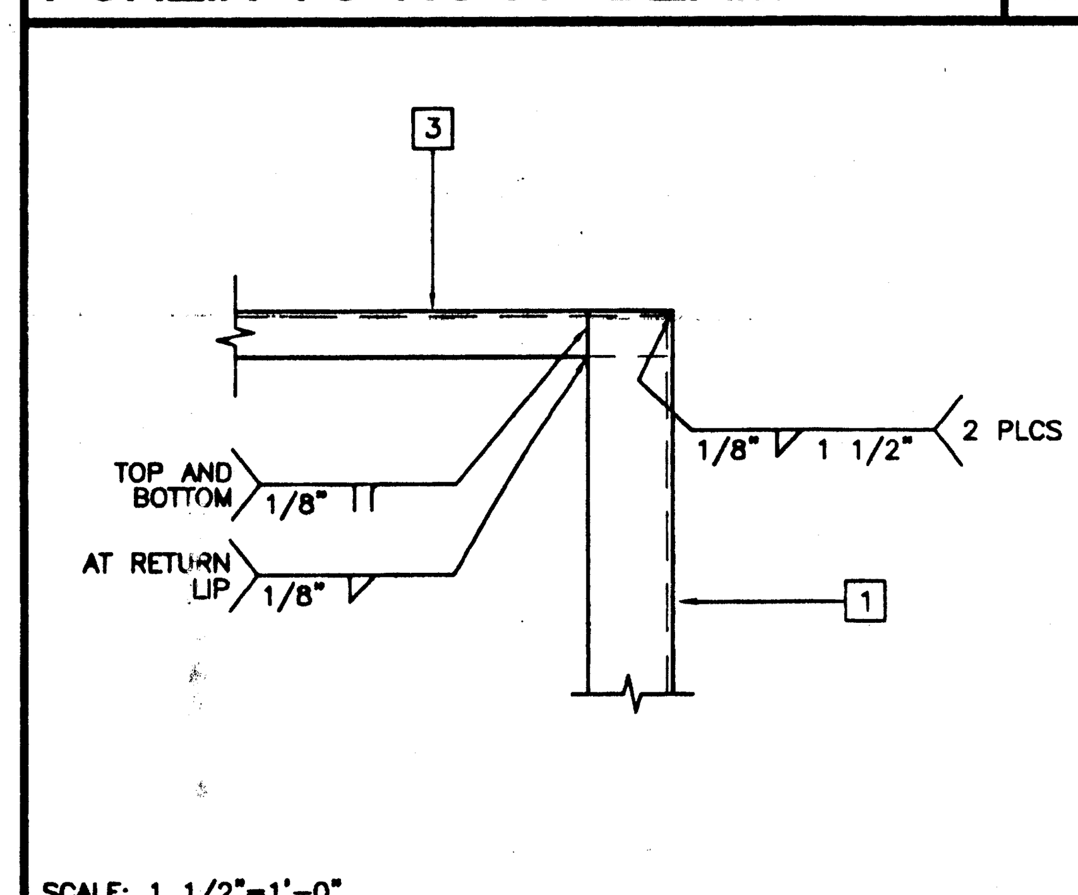


TAPERED ROOF BEAM SPLICE 5

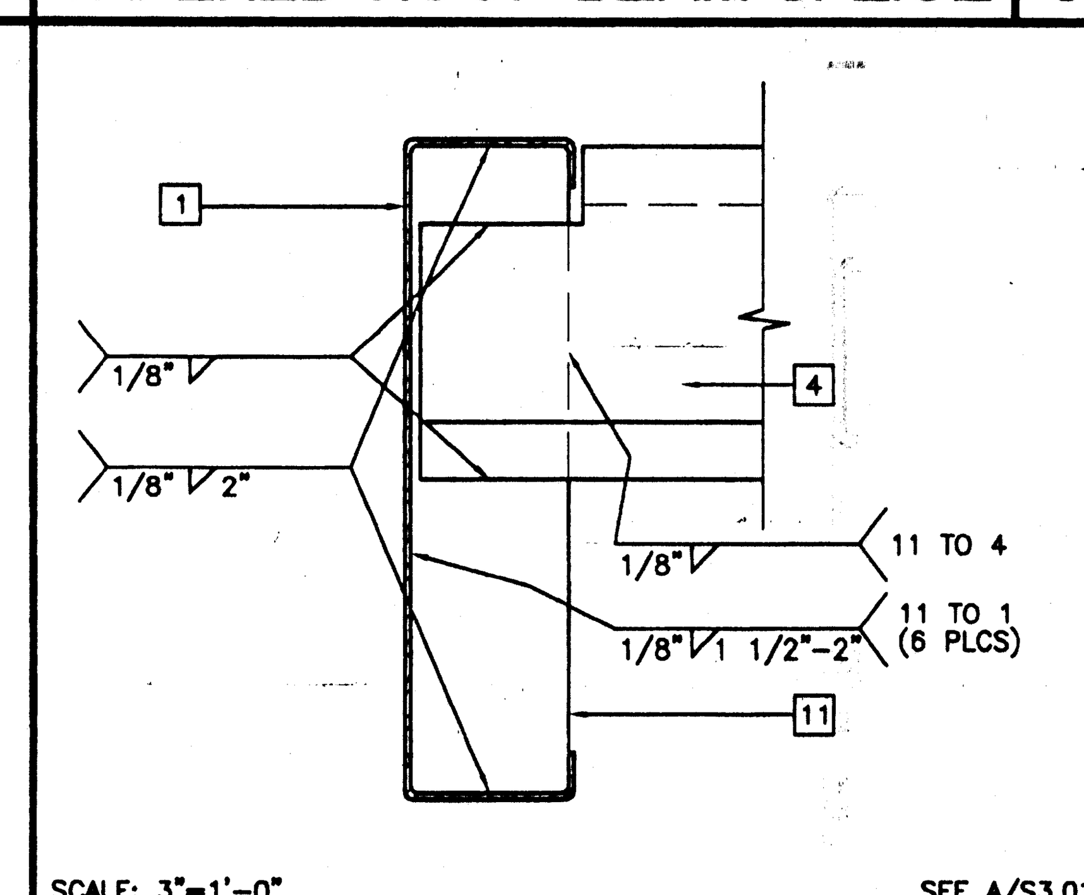


LOCATION	H
2'-6" OH	13 3/8"
HEADER	14"
RIDGE	19"
HEADER	14"
5'-0" OH	12 3/4"

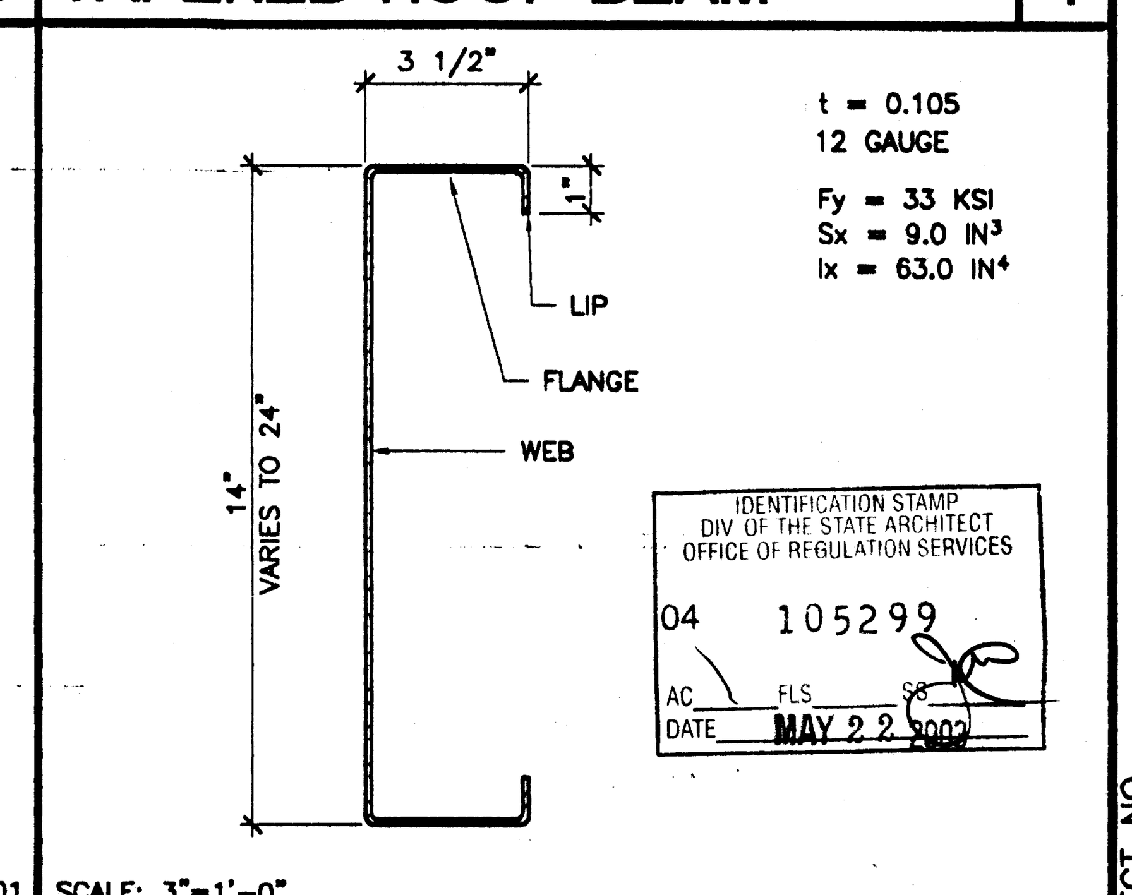
TAPERED ROOF BEAM 1



FASCIA TO ROOF BEAM 10



PURLIN/STIFFENER TO ROOF BEAM 6



ROOF HEADER 2

PROJECT NO.

PC–04–104801

REVISIONS		
1		
2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

Architects Seal — LICENSED ARCHITECT GEORGE C. EDWARDS C 2956 STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2004

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

PC–04 104801

MODTECH INC.

2830 BARRETT AVENUE
PERRIS, CALIF. 92571

PH (909) 943–4014
FAX (909) 940–0427

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70

100- 24 x 40 CLASSROOM BUILDINGS

4012-125 05-22-2003 80 MPH

(8 & 12 LIGHTS)

DRAWN BY: STKP-70

DATE: 05-22-03

CHECKED BY:

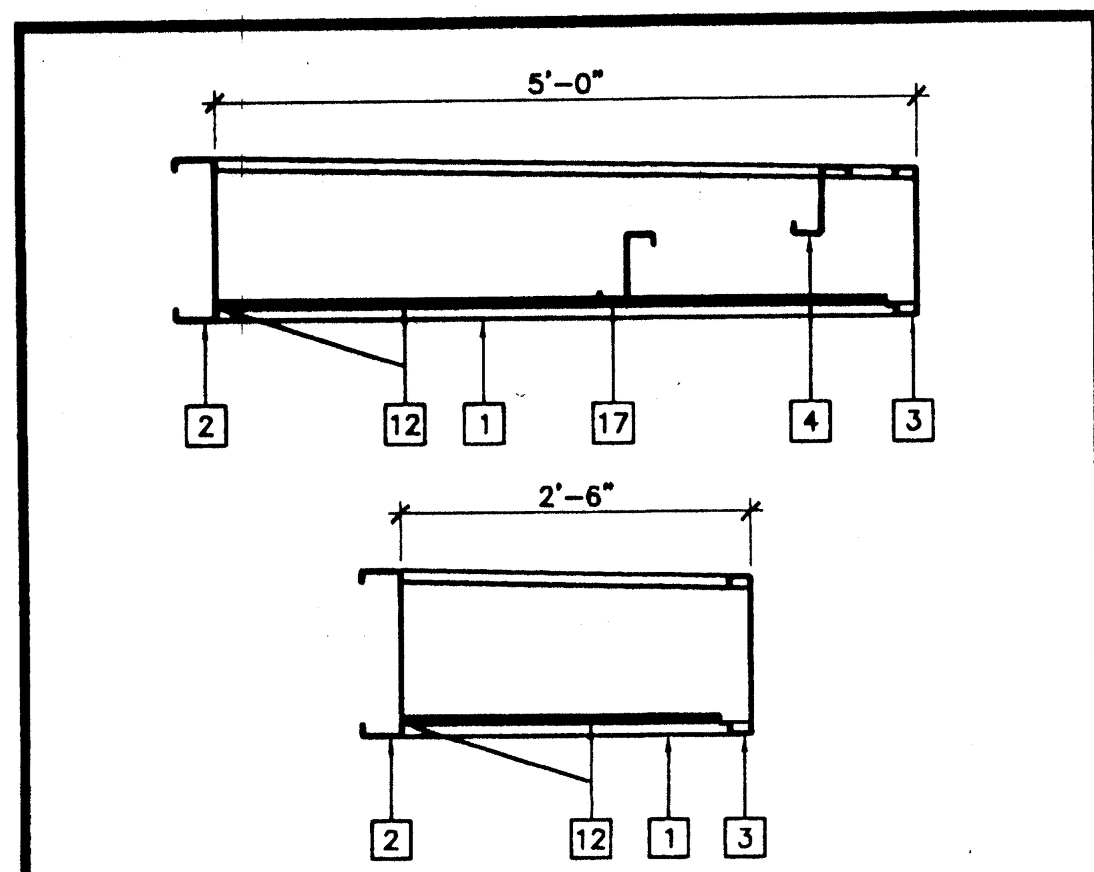
DATE:

MODTECH Index No.

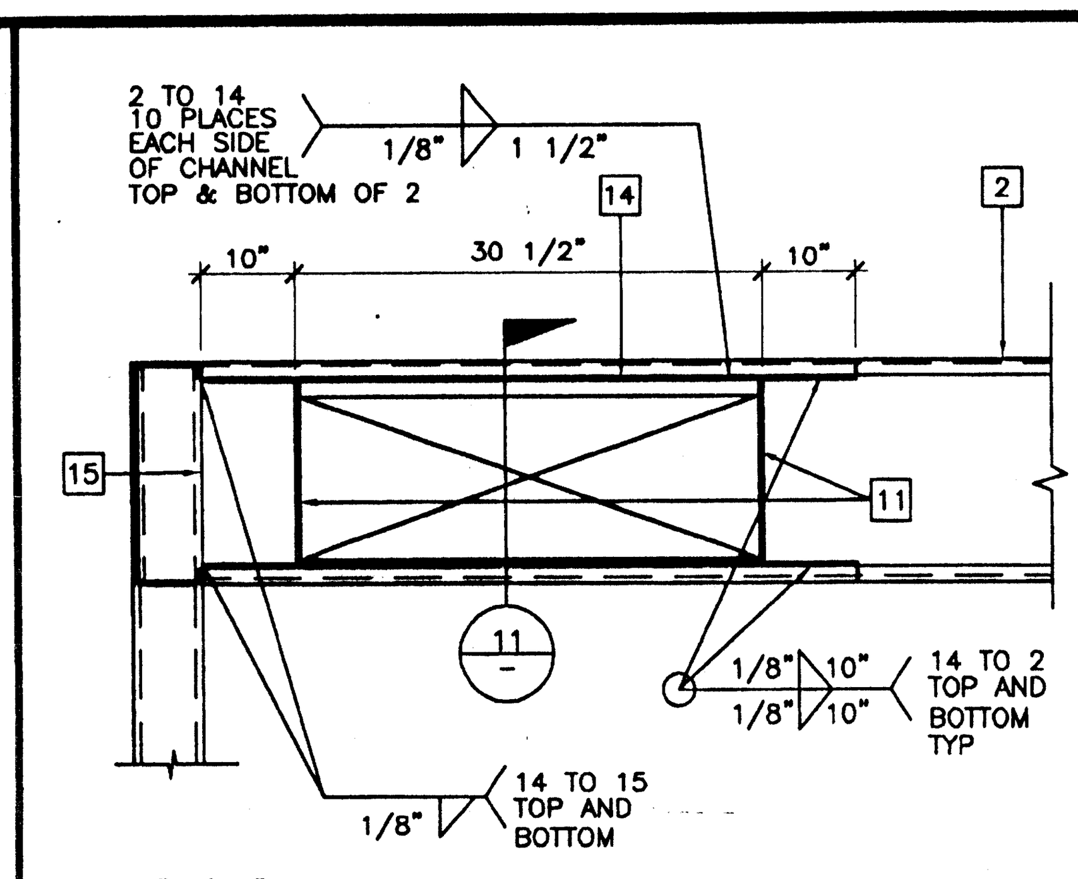
ROOF FRAMING PLAN

26 GA DUAL PITCH

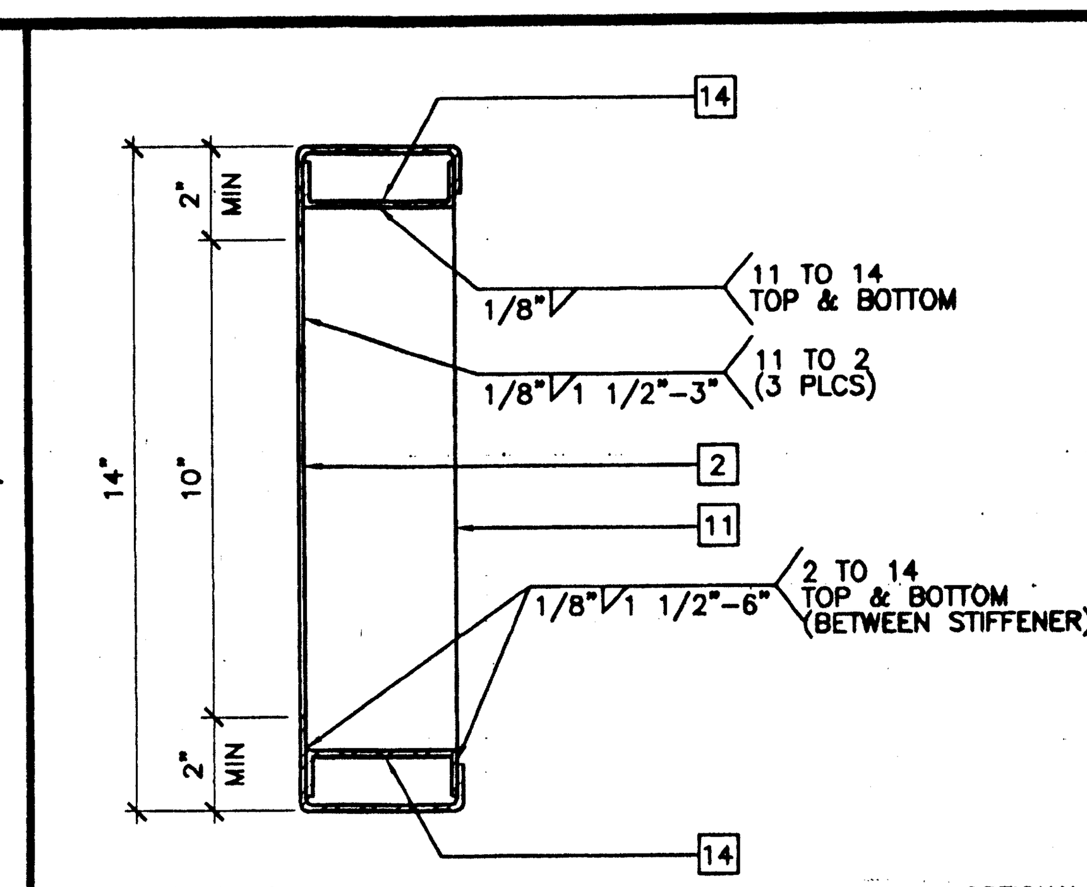
S2.01



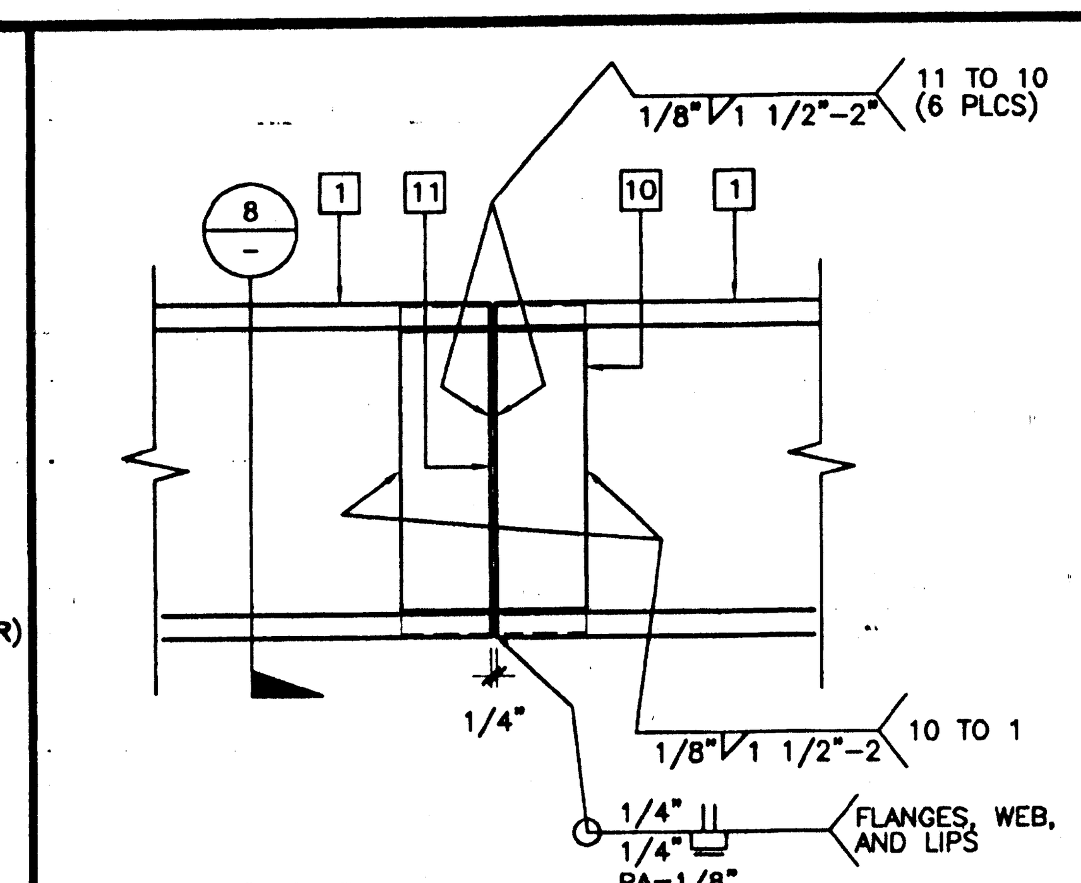
OVERHANGS 13



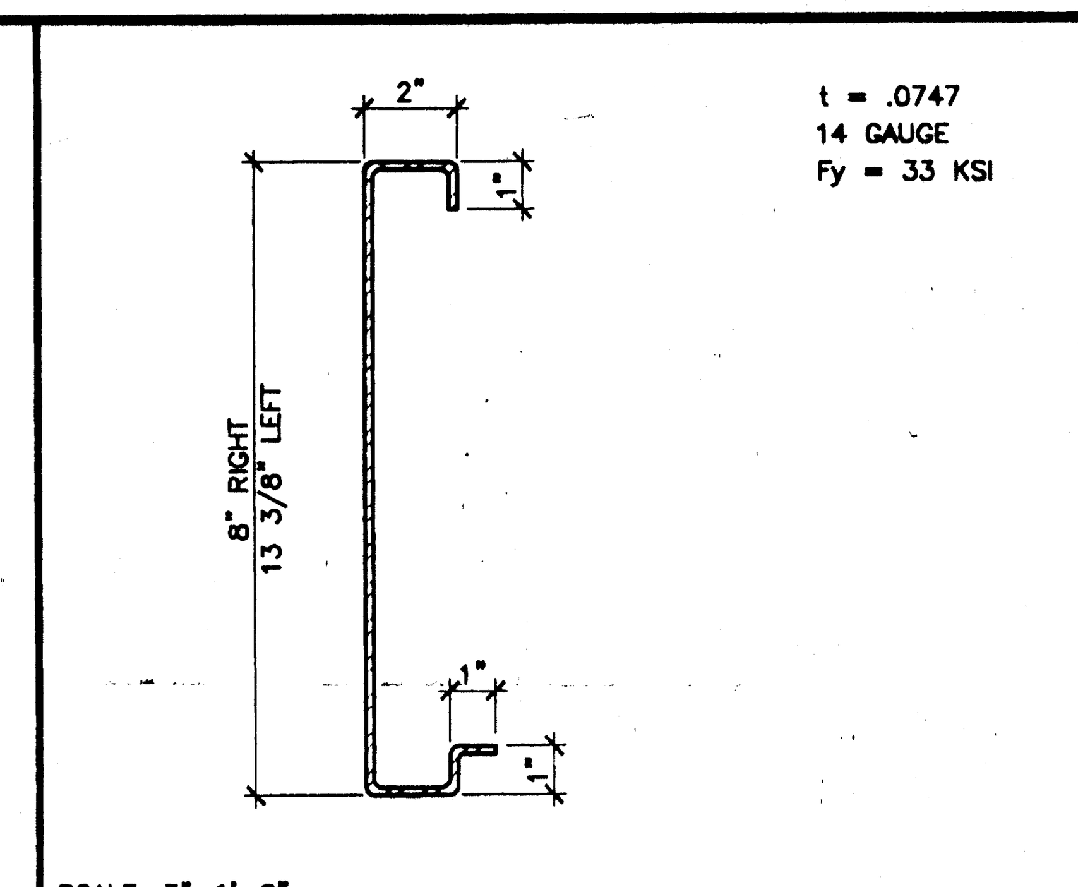
HVAC OPENING IN ROOF HEADER 12



HVAC OPENING IN ROOF HEADER 11



BEAM SPLICE 7



ROOF FASCIA 3

KEY NOTES

1. [TAPERED ROOF BEAM – 1/S2.02
2. [ROOF HEADER – 2/S2.02
3. [ROOF FASCIA – 3/S2.02
4. ʃ ROOF PURLIN – 4/S2.02 (NOTE: DOUBLE ALL ROOF PURLINS WHERE MOVABLE PARTITION OCCURS. SEE A7.01)
5. ROOF OVERHANG BEAM – 10/S3.02
6. 11/16" DIA DRILLED HOLE – 5/S3.02
7. EDGE NAIL THIS LINE
8. PLYWOOD ROOF SHEATHING, 3/4" CD EXPOSURE 1, P.1.1 48/24, PSI-95 PLYCLIPS AT 16" OC MAX ON LONG EDGES #10 x 1 1/4" SELF TAPPING FLAT HEAD SCREWS AT 6" OC TO PERIMETER FRAME. ALTERNATE: USE AEROSMITH BZH .144 SHOT PINS (ICBO NO. ER –5667) AT 6" OC TO PERIMETER FRAME, AEROSMITH BZH .144 SHOT PINS AT 6" OC AT SUPPORTED EDGES AND 6" OC FIELD NAILING TO PURLINS. PLYWOOD PATTERN SHOWN IS TYPICAL.
9. OPTIONAL BEAM SPLICE LOCATIONS
10. 10 GA BENT PLATE BACK UP
11. 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC TYPICAL ALIGN WITH PURLIN
12. 1/2"x1/2" 16 GA ANGLE, TACK WELD TO HEADER AND ROOF BEAM
13. USE 6" x 2 1/2" 14 GA BLOCKING AT HEADER MIDSPAN FOR 80 MPH DESIGN WIND LOAD ONLY
14. 3 1/4" x 1" 10 GA CHANNEL STIFFENER
15. TUBE STEEL STIFFENER
16. LOCATION OF ADDITIONAL PURLIN FOR BUILDINGS THAT EXCEED 2160 SQUARE FEET
17. USE 6" x 2 1/2" 14 GA BLOCKING FOR ROUGH OPENING OF OPTIONAL ROOF MOUNT HVAC. SPACING AND LOCATION WILL VARY (HV)

NOTE:
ALL COLD-FORMED SECTION PROPERTIES SHOWN ARE GROSS PROPERTIES

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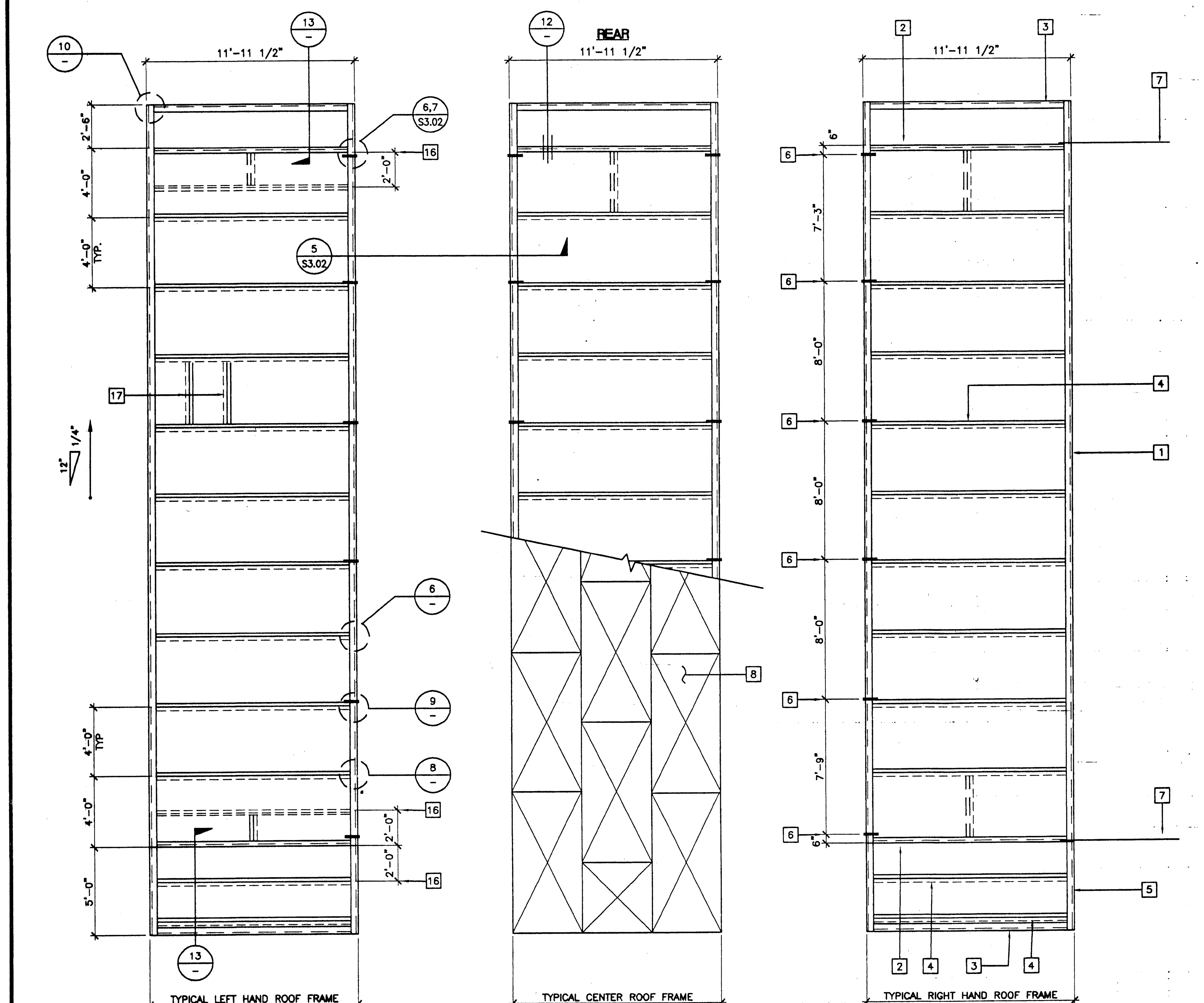


ROOF FRAMING PLAN

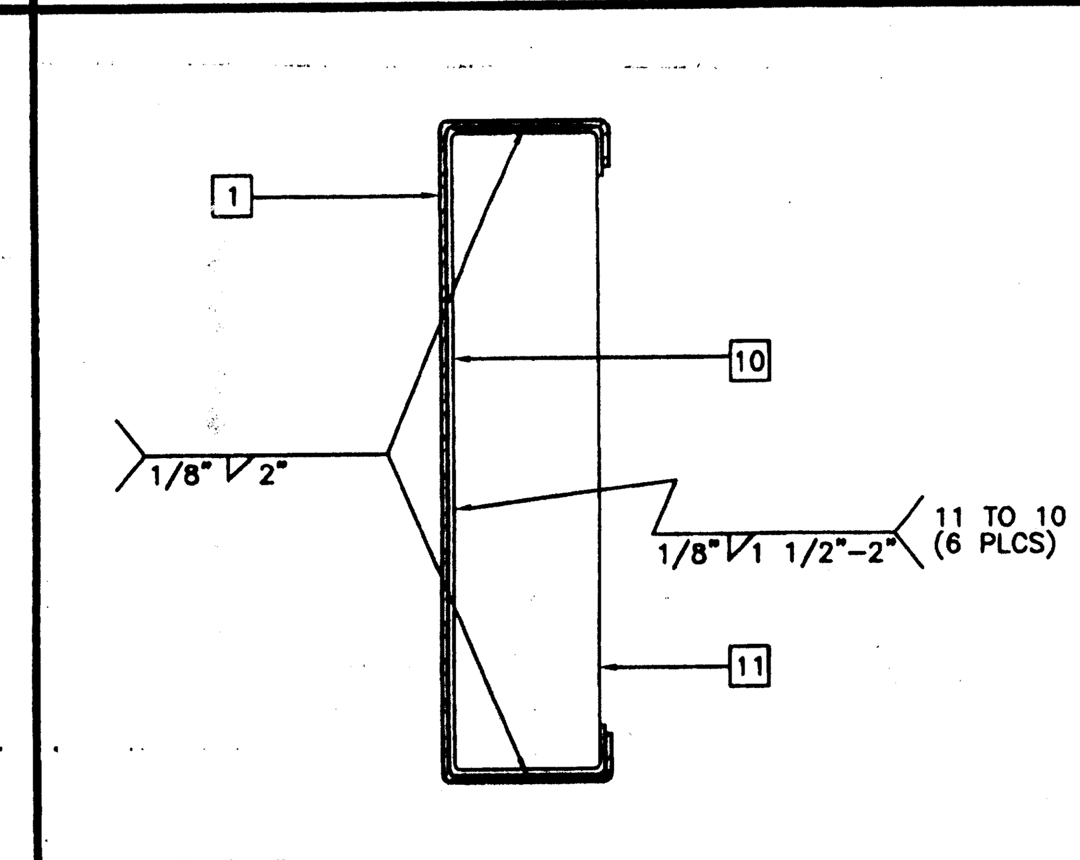
DATE SIGNED APR 26 2003

26 GA MONO PITCH/8 & 12 LIGHTS

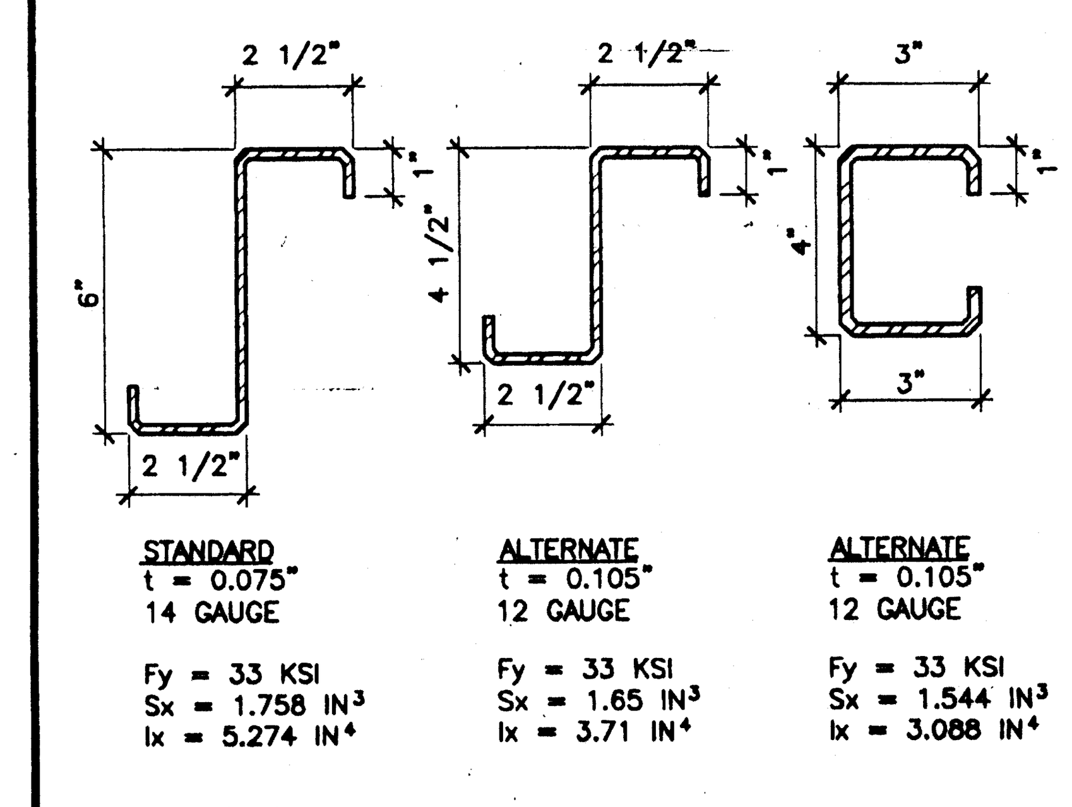
SCALE: 1/4" = 1'-0"

PC

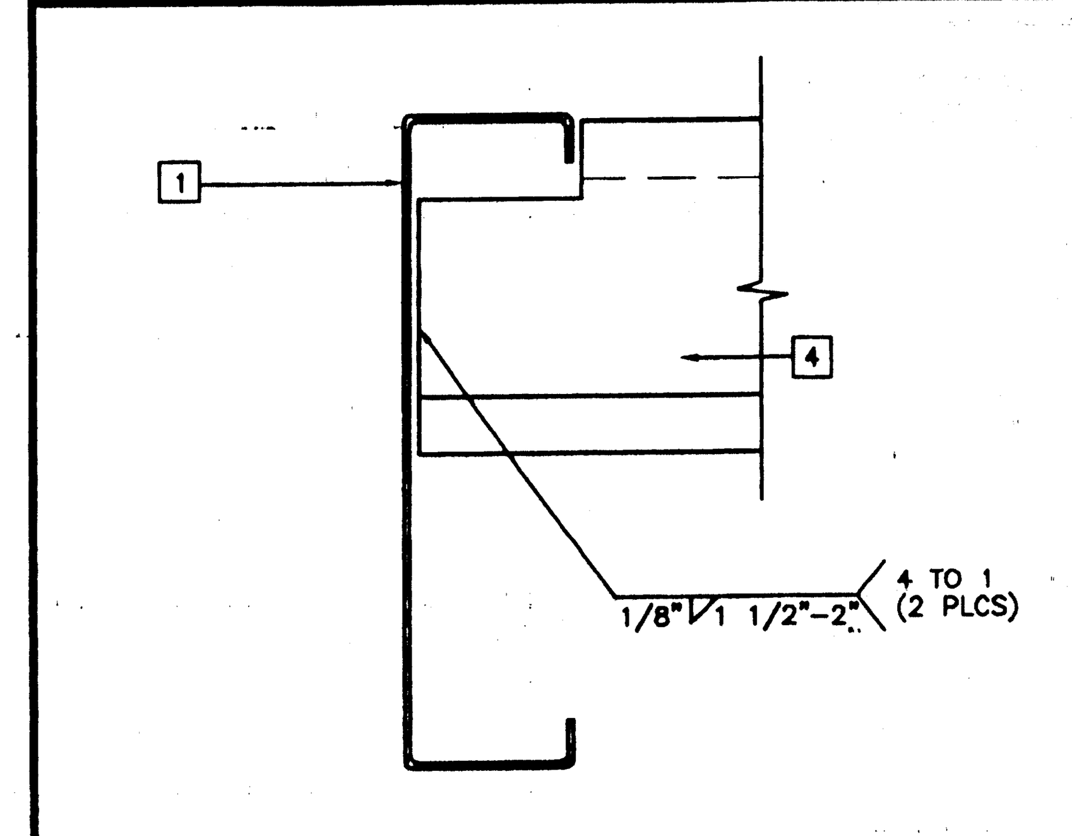
CBC 2001



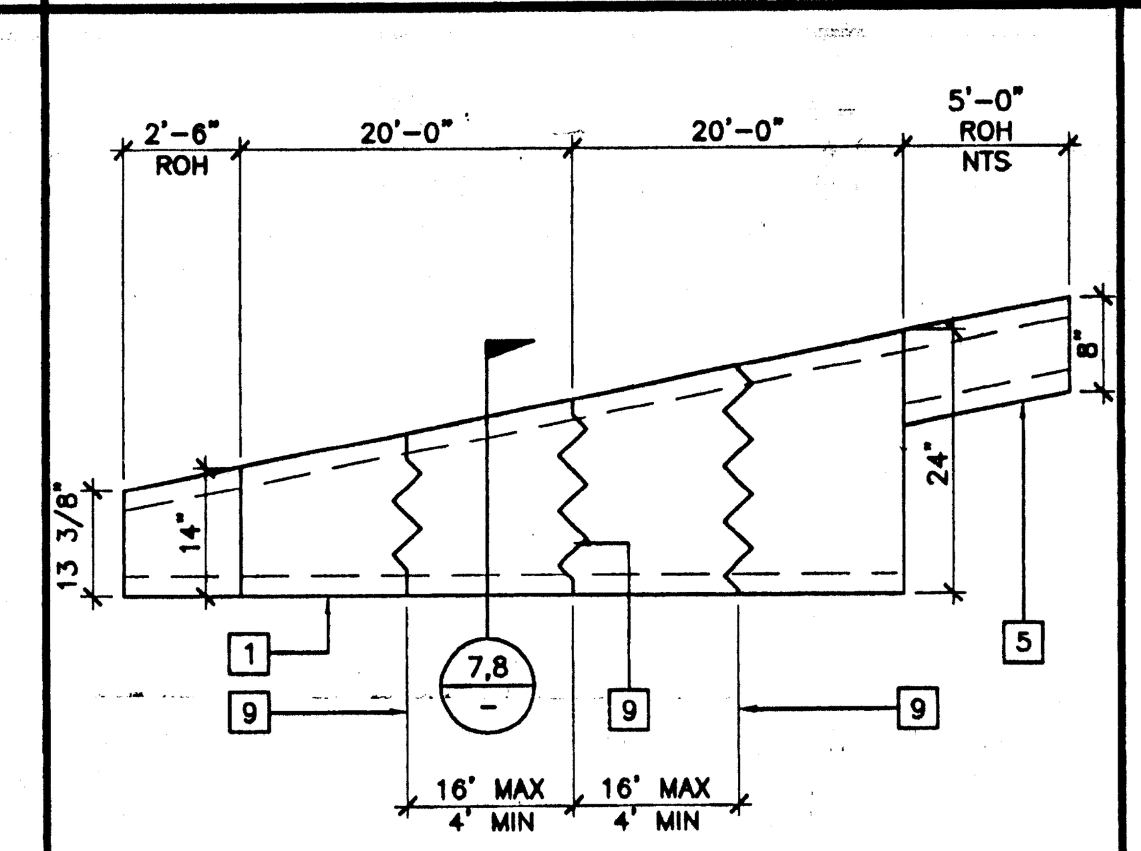
STIFFENER PLATE AT SPLICE 8



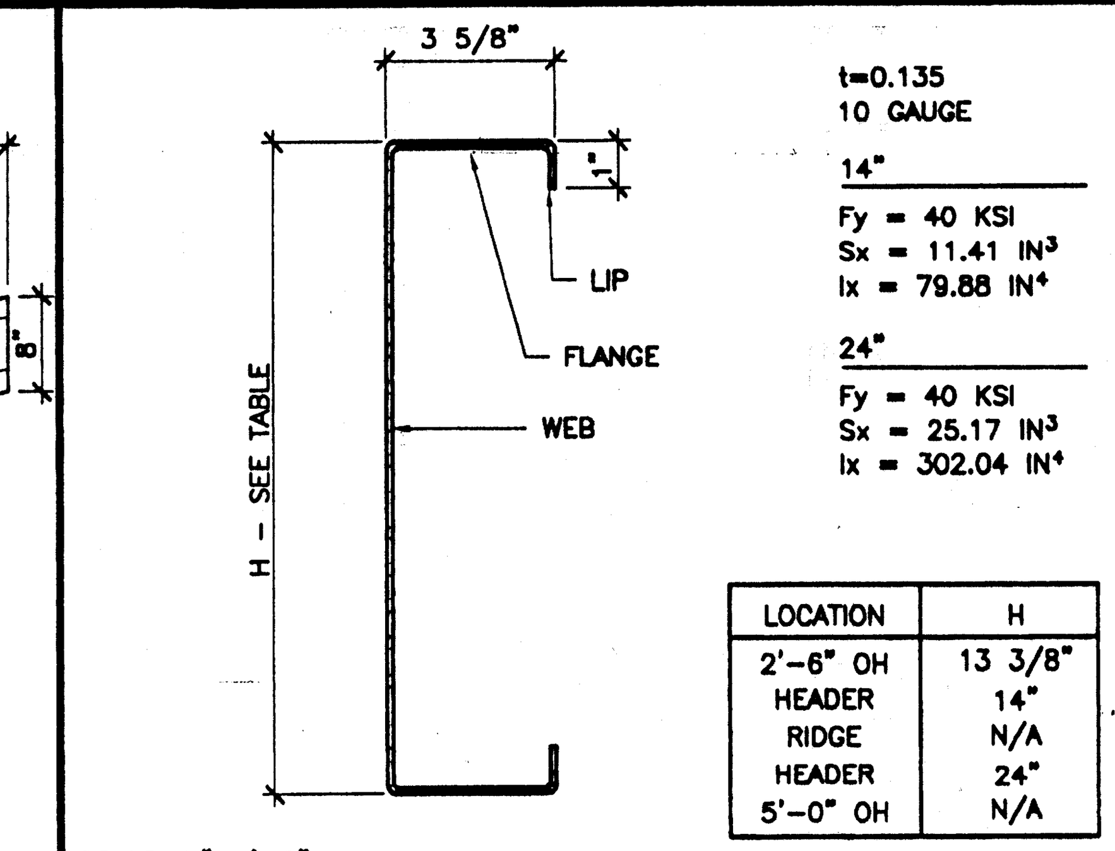
ROOF PURLIN 4



PURLIN TO ROOF BEAM 9

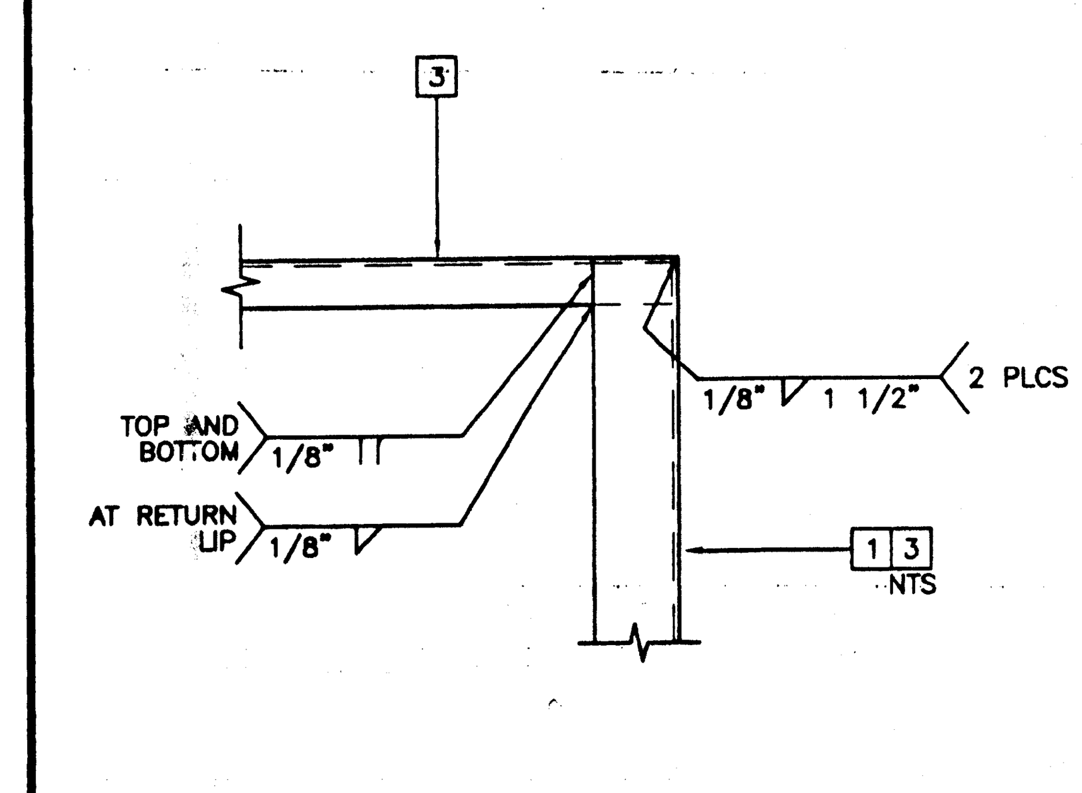


TAPERED ROOF BEAM SPLICE 5

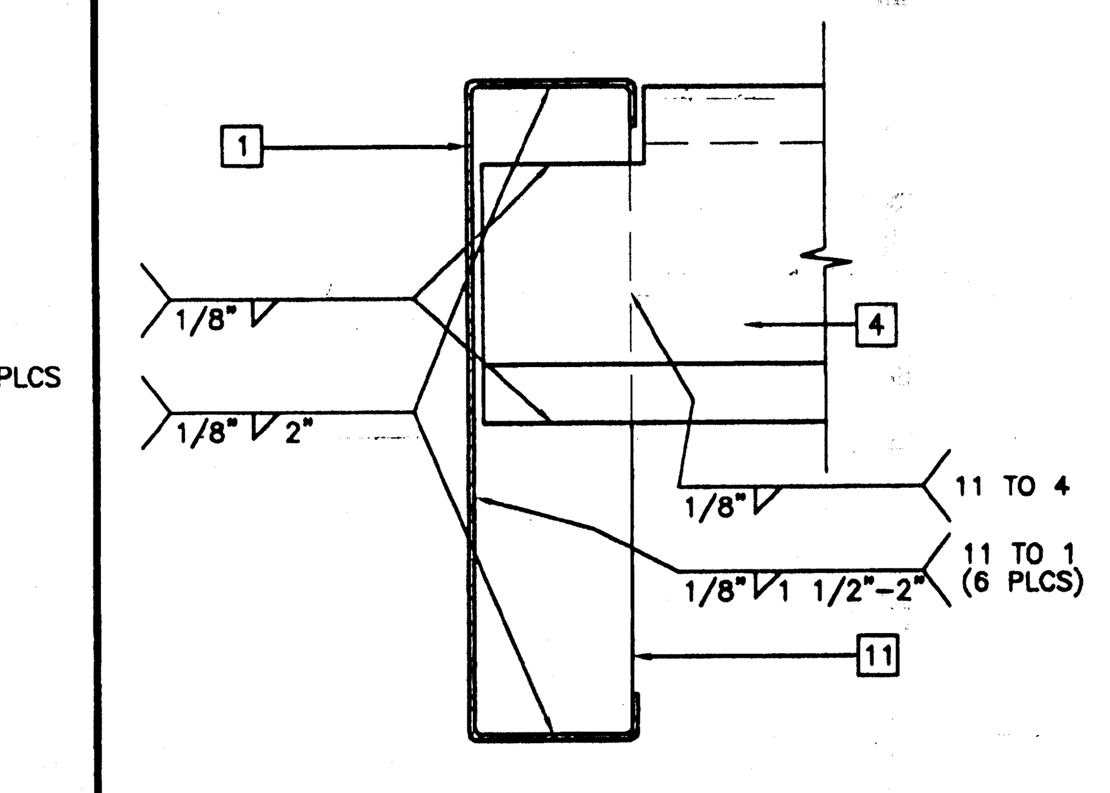


LOCATION	H
2'-6" OH	13 3/8"
HEADER	14"
RIDGE	N/A
HEADER	24"
5'-0" OH	N/A

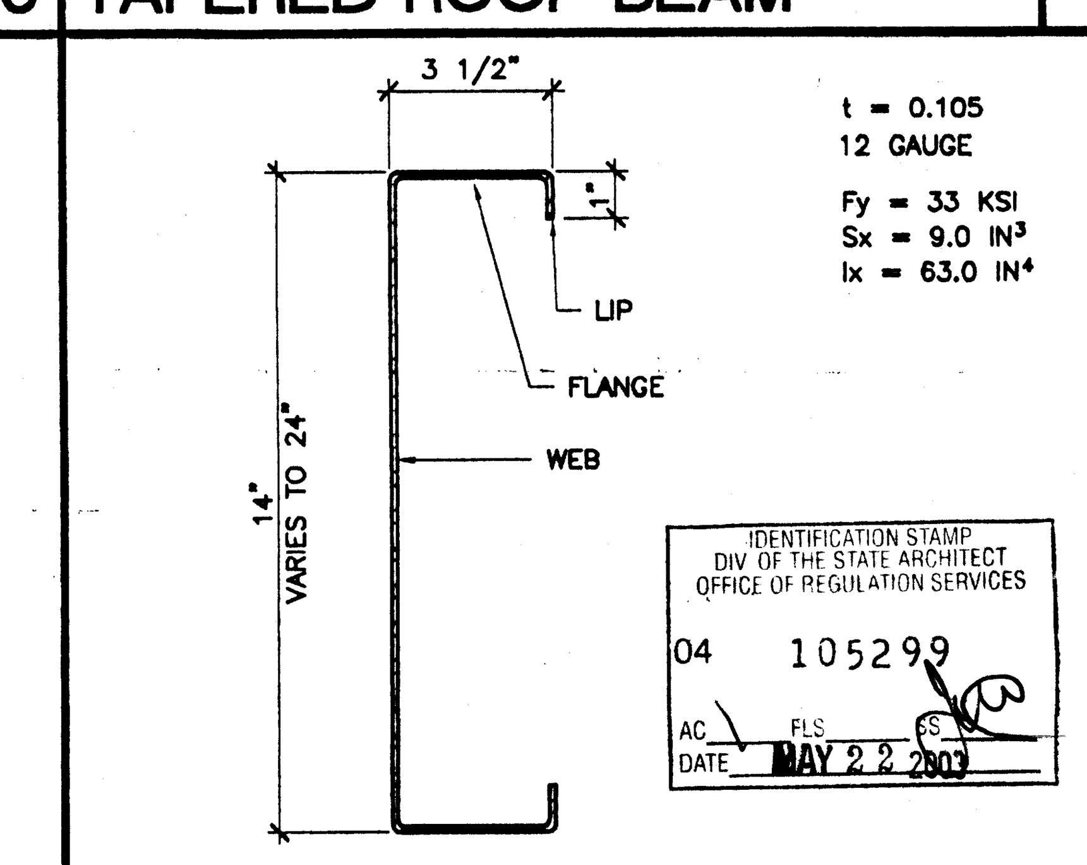
TAPERED ROOF BEAM 1



FASCIA TO BEAM/FASCIA 10



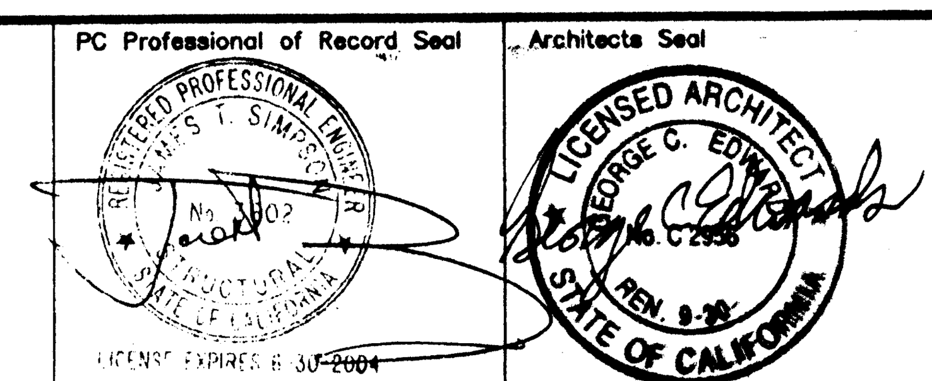
PURLIN/STIFFENER TO ROOF BEAM 6



ROOF HEADER 2

PROJECT NO.

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	PC Professional of Record Seal	Architects Seal
1				
2				
3				
4				
5				



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
DATE 5/12/03

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

PROJECT NUMBER:

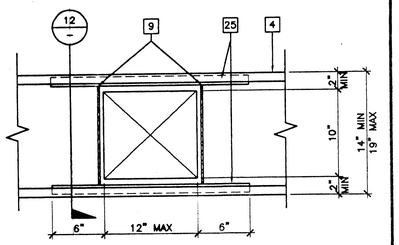
CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH
(8 & 12 LIGHTS)

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:
MODTECH Index No.

ROOF FRAMING PLAN 26 GA MONO PITCH

S2.02

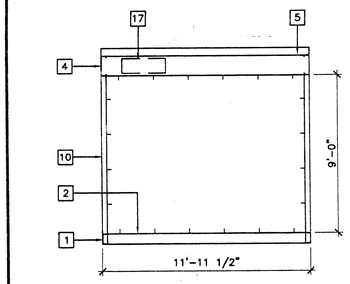
PC-04-104801



NOTE: BEAM PENETRATIONS ALLOWED ONLY IN CENTER THIRD OF BEAM AT 18" MIN EDGE OF HOLE TO EDGE OF HOLE

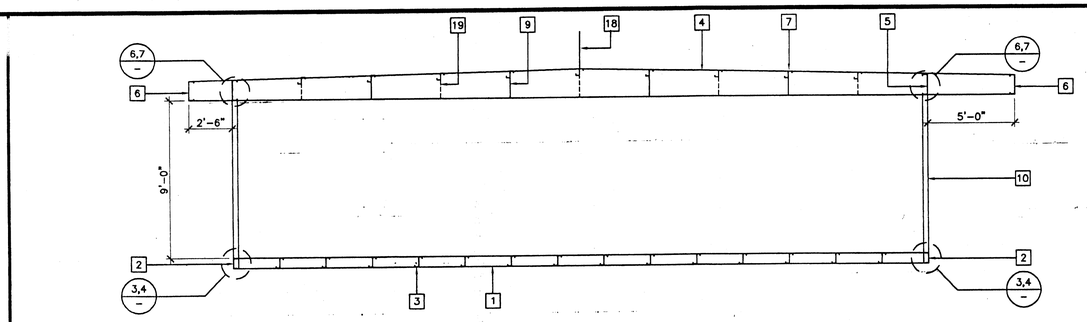
SCALE: 1 1/2"=1'-0"

OPTIONAL BEAM PENETRATION 11



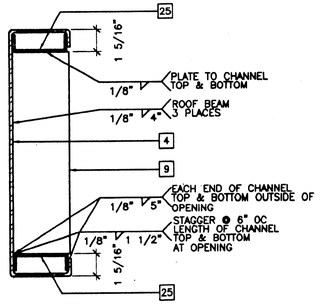
SCALE: 1/4"=1'-0"

SECTION AT END WALL B



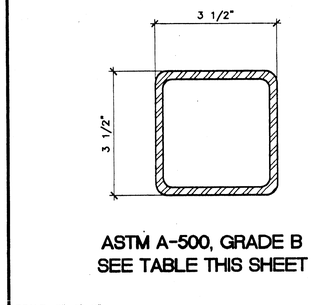
SCALE: 1/4"=1'-0"

SECTION AT SIDE WALL A



SCALE: 3"=1'-0"

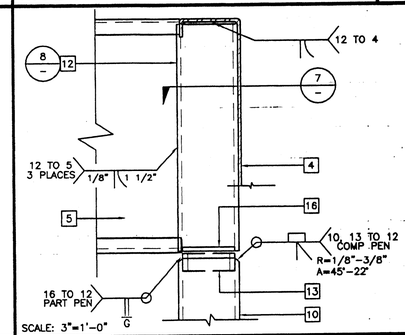
PENETRATION REINFORCMENT 12



ASTM A-500, GRADE B
SEE TABLE THIS SHEET

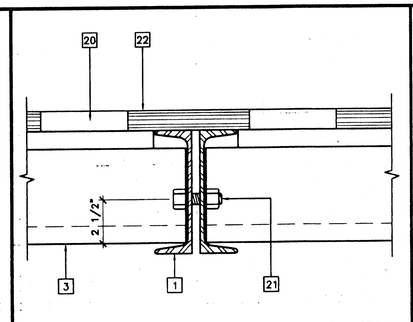
SCALE: 6"=1'-0"

TUBE STEEL COLUMN/STIFFENER 8



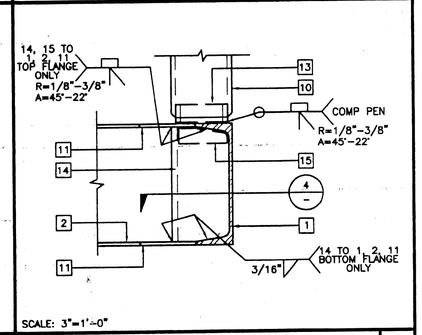
SCALE: 3"=1'-0"

MODULE CONNECTION AT ROOF 5



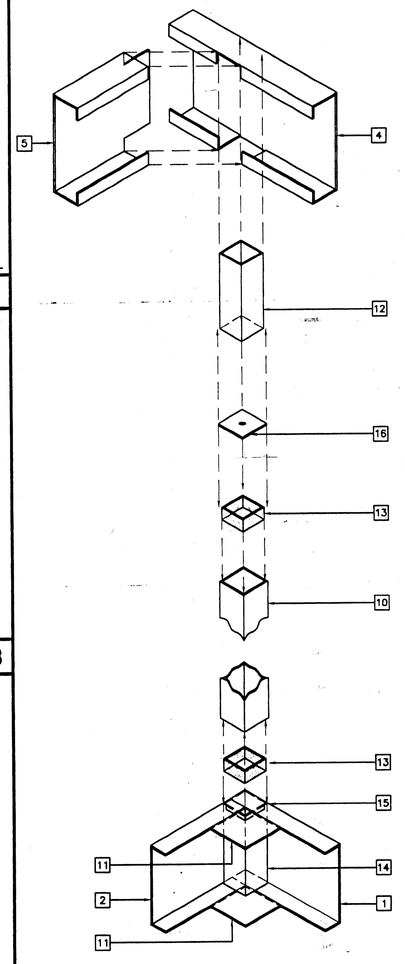
SCALE: 3"=1'-0" OPTIONAL

MODULE CONNECTION AT FLOOR 2



SCALE: 3"=1'-0"

COLUMN AT FLOOR 3



SCALE: NTS

COLUMN AT FLOOR AND ROOF 1

KEY NOTES

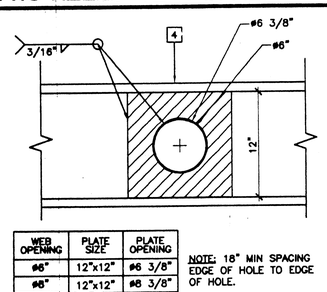
1. FLOOR BEAM – 1/S1.01
2. FLOOR HEADER – 1/S1.01
3. FLOOR JOIST – 2/S1.01
4. TAPERED ROOF BEAM – 1/S2.01
5. ROOF HEADER – 2/S2.01
6. ROOF FASCIA – 3/S2.01
7. ROOF PURLIN – 4/S2.01
8. NOT USED
9. 1/4" FULL DEPTH STIFFENER PLATE AT 8'-0" OC TYPICAL ALIGN WITH PURLIN – 6/S2.01
10. 3 1/2" x 3 1/2" x " TUBE STEEL COLUMN (SEE COLUMN BELOW)
11. 3 1/2" x 3 1/2" x 1/4" STEEL STIFFENER PLATE. WHEN CONCRETE FOUNDATIONS ARE USED REPLACE LOWER PLATE WITH 5" x 8" x 1/4" ANCHOR BOLT PLATE – 3/S1.01
12. 3 1/2" x 3 1/2" x 1/4" TUBE STEEL STIFFENER
13. (1) 3" x 3" 10 GA TUBE STEEL BACK UP TUBE OR (4) 10 GA BACK UP PLATES
14. 3 1/2" x 3 1/2" x 1/4" ANGLE STIFFENER
15. BACK-UP PLATE – 10 GA MIN
16. 1/4" BASE PLATE – INSERT FLUSH WITH STIFFENER TUBE
17. OPTIONAL HVAC DUCT OPENING – 12/S2.01
18. RIDGE LINE
19. 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC AT SIDEWALLS ALIGN WITH PURLINS FOR 80 MPH DESIGN WIND LOAD ONLY
20. HAND HOLE AT BOLT LOCATION
21. 5/8" MB A307 AT MODULE CONNECTION JOINT – SEE FLOOR/ROOF FRAMING PLANS
22. FLOOR SHEATHING
23. MODLINE (M)
24. NOT USED
25. 3 1/4" x 1" 10 GA CHANNEL STIFFENER
26. 10 GA PLATE (REFER TO DETAIL CHART FOR DIMENSIONS –14/S3.01)

NOTES

1. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION. (ALL MEMBERS EXCEPT LIGHT GUAGE).

COLUMN SIZE TABLE

DESIGN WIND LOAD	COLUMN SIZE
70 MPH	3 1/2" x 3 1/2" x 1/4"
80 MPH	3 1/2" x 3 1/2" x 5/16"



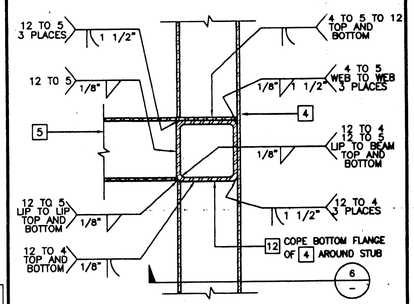
WEB OPENING	PLATE SIZE	PLATE OPENING
#6"	12"x12"	#6 3/8"
#8"	12"x12"	#8 3/8"
#10"	12"x12"	#10 3/8"

NOTE: 18" MIN SPACING EDGE OF HOLE TO EDGE OF HOLE.

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

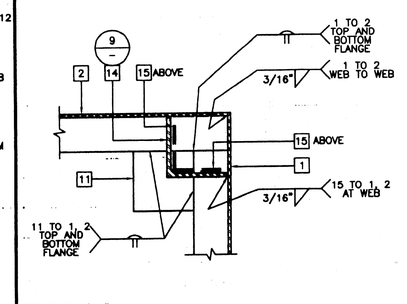
OPTIONAL BEAM PENETRATION 14

NOT USED 10



SCALE: 3"=1'-0"

COLUMN AT ROOF 7



SCALE: 3"=1'-0"

STIFFENER AT FLOOR 4

PC
DATE SIGNED APR 21 2003
CBC 2001

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105290
AC FLS SS
DATE MAY 22 2003

4012-125

PROJECT NO.

FILE PATH: 2440-S3.01.DWG

PC-04-104801

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSE EXPIRES 6-30-2004

Architect's Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2956
REN. 9-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS
DATE 5/7/03

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

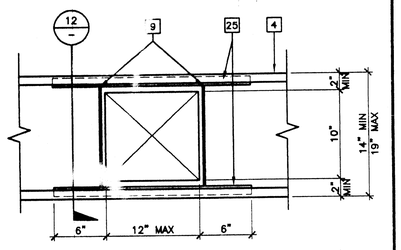
PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH
(8 & 12 LIGHTS)

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

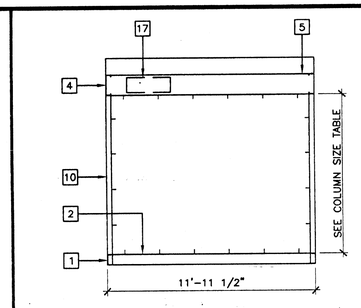
STRUCTURAL FRAMING 26 GA DUAL PITCH S3.01



NOTE: BEAM PENETRATIONS ALLOWED ONLY IN CENTER THIRD OF BEAM AT 18" MIN EDGE OF HOLE TO EDGE OF HOLE

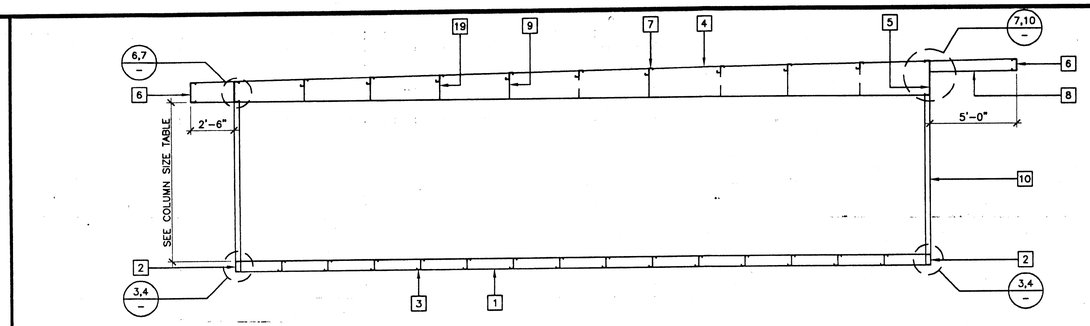
SCALE: 1 1/2"=1'-0"

OPTIONAL BEAM PENETRATION | 11



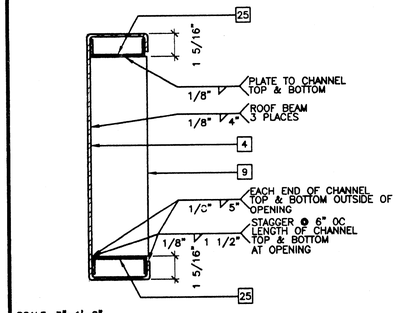
SCALE: 1/4"=1'-0"

SECTION AT END WALL | B



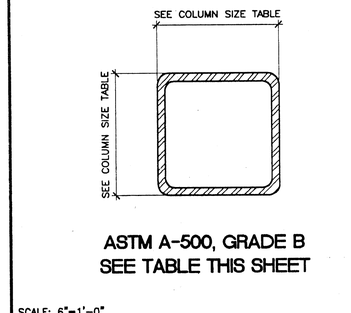
SCALE: 1/4"=1'-0"

SECTION AT SIDE WALL | A



SCALE: 3"=1'-0"

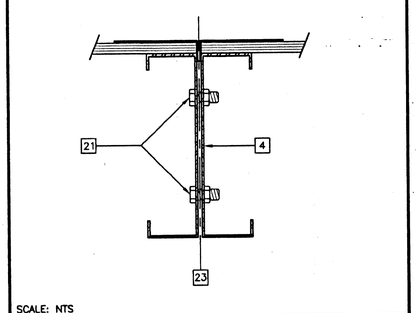
PENETRATION REINFORCMENT | 12



ASTM A-500, GRADE B
SEE TABLE THIS SHEET

SCALE: 6"=1'-0"

TUBE STEEL COLUMN/STIFFENER | 8



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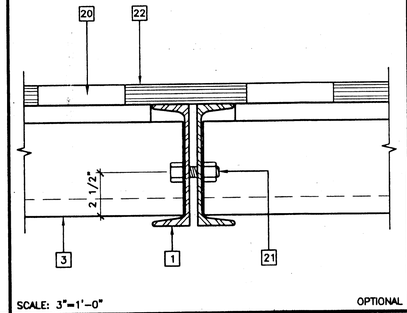
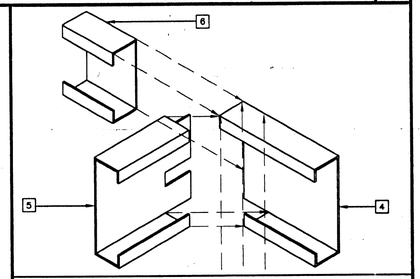
MODULE CONNECTION AT ROOF | 5

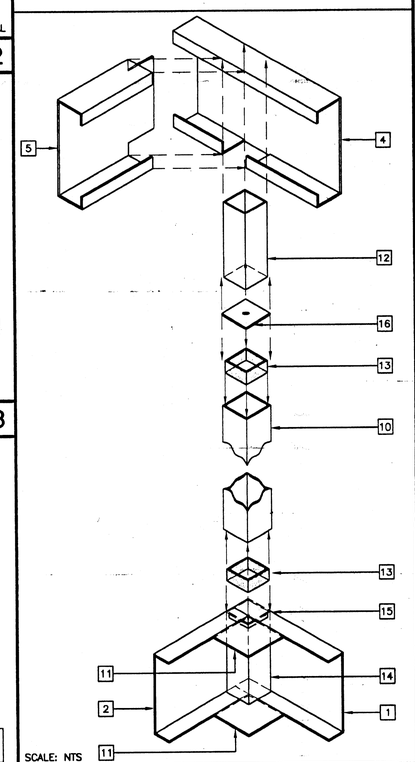


SCALE: 3"=1'-0"

OPTIONAL

MODULE CONNECTION AT FLOOR | 2





SCALE: NTS

COLUMN AT FLOOR AND ROOF | 1

KEY NOTES

1. [FLOOR BEAM – 1/S1.01
2. [FLOOR HEADER – 1/S1.01
3. ⎍ FLOOR JOIST – 2/S1.01
4. [TAPERED ROOF BEAM – 1/S2.02
5. [ROOF HEADER – 2/S2.02
6. [ROOF FASCIA – 3/S2.02
7. ⎍ ROOF PURLIN – 4/S2.02
8. [8" x 3–1/2" x 14GA ROOF OVERHANG BEAM
9. 1/4" FULL DEPTH STIFFENER PLATE AT 8'–0" OC TYPICAL ALIGN WITH PURLIN – 6/S2.02
10. 3 1/2" x 3 1/2" x " TUBE STEEL COLUMN (SEE COLUMN BELOW)
11. 3 1/2" x 3 1/2" x 1/4" STEEL STIFFENER PLATE. WHEN CONCRETE FOUNDATIONS ARE USED REPLACE LOWER PLATE WITH 5" x 8" x 1/4" ANCHOR BOLT PLATE – 3/S1.01
12. 3 1/2" x 3 1/2" x 1/4" TUBE STEEL STIFFENER
13. (1) 3" x 3" 10 GA TUBE STEEL BACK UP TUBE OR (4) 10 GA BACK UP PLATES
14. 3 1/2" x 3 1/2" x 1/4" ANGLE STIFFENER
15. BACK–UP PLATE – 10 GA MIN
16. 1/4" BASE PLATE – INSERT FLUSH WITH STIFFENER TUBE
17. OPTIONAL HVAC DUCT OPENING – 12/S2.02
18. NOT USED
19. 1/4" FULL DEPTH STIFFENER PLATE AT 4'–0" OC AT SIDEWALLS ALIGN WITH PURLINS FOR 80 MPH DESIGN WIND LOAD ONLY
20. HAND HOLE AT BOLT LOCATION
21. 5/8" MB A307 AT MODULE CONNECTION JOINT – SEE FLOOR/ROOF FRAMING PLANS
22. FLOOR SHEATHING
23. MODLINE (년)
24. NOT USED
25. 3 1/4" x 1" 10 GA CHANNEL STIFFENER
26. 10 GA PLATE (REFER TO DETAIL CHART FOR DIMENSIONS –14/S3.01)
27. 3 1/2" x 4 1/2" x 1/4" PLATE UNDER BEAM FLANGE

NOTES

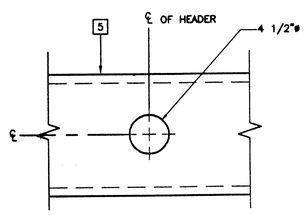
1. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE–RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V–NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION. (ALL MEMBERS EXCEPT LIGHT GUAGE).

COLUMN SIZE TABLE

DESIGN WIND LOAD	COLUMN HEIGHT	
	9'–0"	10'–6"
70 MPH	3 1/2"x3 1/2"x1/4"	4"x4"x3/8"
80 MPH	3 1/2"x3 1/2"x5/16"	4"x4"x3/8"
80 MPH WITH 4'–0" PARAPETS		5"x5"x3/8"

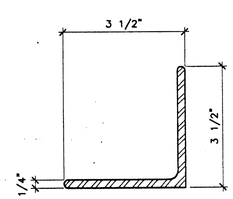
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 10529
AC FLS SS
DATE MAY 22 2003

4012–125



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

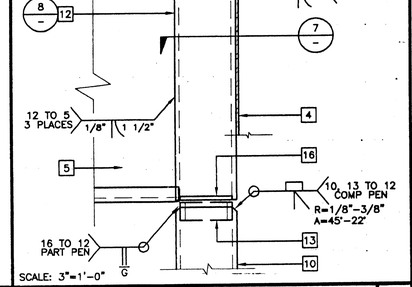
PENETRATION REINFORCMENT | 12



ASTM A-36

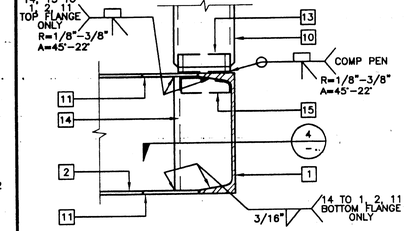
SCALE: 6"=1'-0"

TUBE STEEL COLUMN/STIFFENER | 8



SCALE: 3"=1'-0"

COLUMN AT ROOF | 6

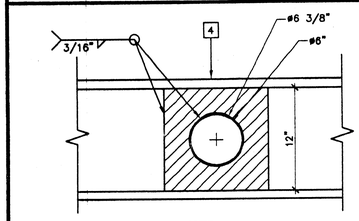


SCALE: 3"=1'-0"

COLUMN AT FLOOR | 3

SCALE: NTS

COLUMN AT FLOOR AND ROOF | 1

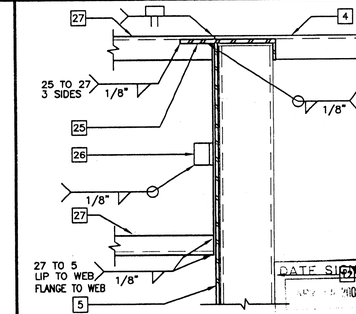


WEB OPENING	PLATE SIZE	PLATE OPENING
#6"	12"x12"	#6 3/8"
#8"	12"x12"	#8 3/8"
#10"	12"x12"	#10 3/8"

NOTE: 18" MIN SPACING EDGE OF HOLE TO EDGE OF HOLE.

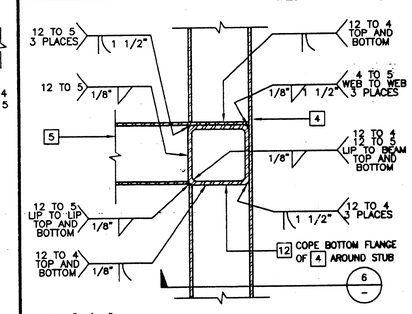
SCALE: 1 1/2"=1'-0"

OPTIONAL BEAM PENETRATION | 14



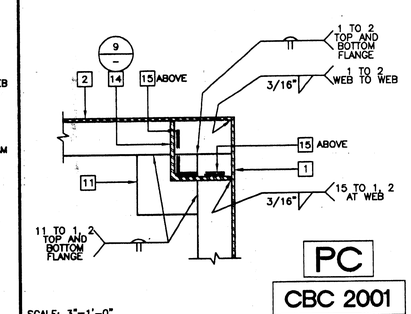
SCALE: NTS

OVERHANG AT ROOF BEAM | 10



SCALE: 3"=1'-0"

COLUMN AT ROOF | 7



PC
CBC 2001

SCALE: 3"=1'-0"

STIFFENER AT FLOOR | 4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC–04
104801
AC FLS SS
DATE 5/9/03

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2356
REN. 9-30-
STATE OF CALIFORNIA

REVISIONS

1			
2			
3			
4			
5			

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH
(8 & 12 LIGHTS)

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

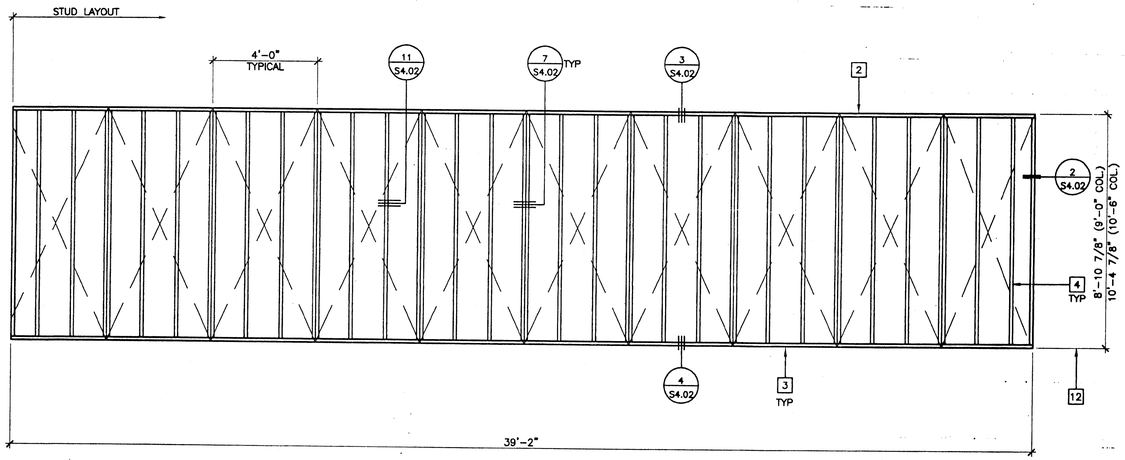
MODTECH Index No.

STRUCTURAL FRAMING 26 GA MONO PITCH

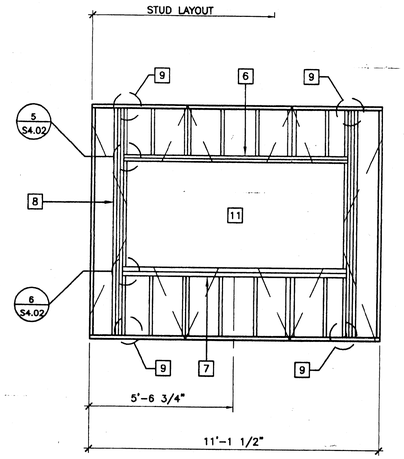
S3.02

PROJECT NO. PC–04–104801

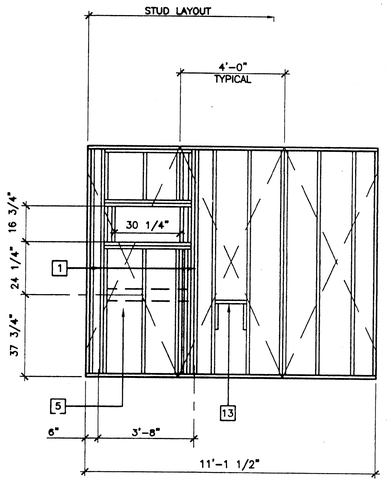
FILE PATH: 2440–S3.02.DWG



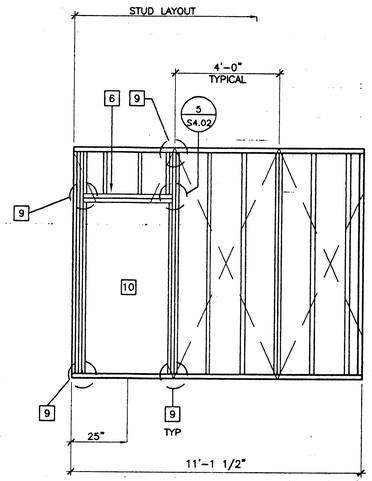
TYPICAL SIDE WALL 14



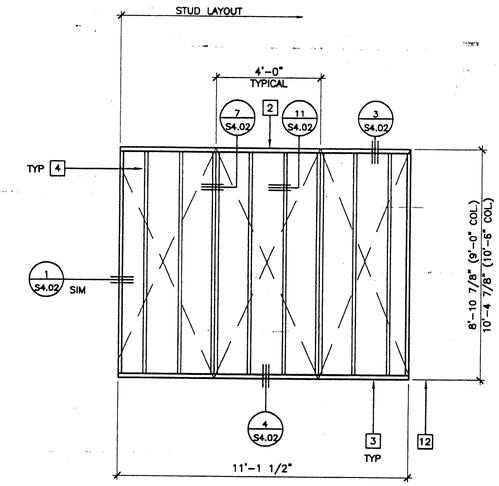
TYPICAL WINDOW



TYPICAL HVAC



TYPICAL DOOR



TYPICAL END WALL

KEY NOTES

1. 4"x4" POST
2. 2"x4" TOP PLATE
3. 2"x4" FLOOR SILL PLATE
4. 2"x4" STUDS AT 16" OC TYPICAL – FOR BUILDINGS EXCEEDING 2160 SF ONLY USE 12" OC SPACING WITHIN 4'-0" OF BUILDING CORNERS
5. 2"x6" LET IN FOR AC SUPPORT
6. 2"x4" HEADER – SEE ROUGH OPENING SCHEDULE ON SHEET S4.02
7. 2"x4" SILL – SEE ROUGH OPENING SCHEDULE ON SHEET S4.02
8. 2"x4" FULL HEIGHT KING STUDS AND 2"x4" TRIMMER 13/S4.02 SEE ROUGH OPENING SCHEDULE ON SHEET S4.02
9. A 34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
10. REQUIRED OPENING FOR A 3068 DOOR SEE ROUGH OPENING SCHEDULE ON SHEET S4.02
11. REQUIRED OPENING FOR A 8040 WINDOW SEE ROUGH OPENING SCHEDULE ON SHEET S4.02
12. FINISH FLOOR LINE
13. FRAME FOR ELECTRICAL PANEL
14. PROVIDE 2x6 FLAT WALL BLOCKING WITH 3–16d BOX NAILS EACH END AT EACH HANDRAIL CONNECTION – 6/R1.01 SEE FLOOR PLAN FOR RAMP LOCATION.

FILE PATH: 2440–S4.01.DWG

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105290
AC FLS SS
DATE MAY 22 2003

FOR 10'–6" COLUMN HEIGHT OPTION
USE 6" WALL FRAMING

DATE SIGNED
APR 28 2003

PC
CBC 2001

WALL FRAMING ELEVATIONS

WOOD STUDS
SCALE: 1/4" = 1'–0"

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2858
REN. 9-30-
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC–04
104801
AC FLS SS
DATE 5/16/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

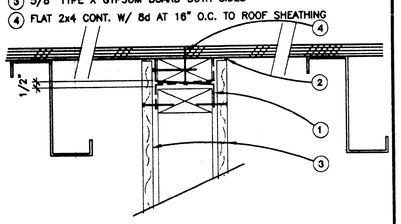
MODTECH Index No.

WALL FRAMING — WOOD STUDS

S4.01

PROJECT NO. PC– 04–104801

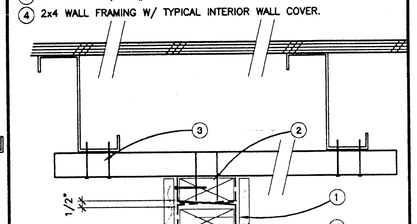
1. 3" x18 GA. BENT Z STRAP W/ 2-8d BOX EACH END AT 2'-0" O.C. ALTERNATE DIRECTION OF STRAPS. (2 STRAPS = 4'-0")
2. CONTINUOUS SEALANT TYPICAL
3. 5/8" TYPE X GYPSUM BOARD BOTH SIDES
4. FLAT 2x4 CONT. W/ 8d AT 16" O.C. TO ROOF SHEATHING



SCALE: 3"=1'-0" PERPENDICULAR TO PURLINS

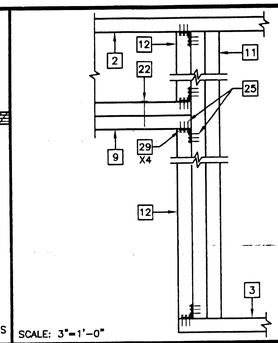
PARALLEL (RATED 16/A6.21) 13

1. 3" x18 GA. BENT Z STRAP W/ 2-8d BOX EACH END AT 2'-0" O.C. ALTERNATE DIRECTION OF STRAPS. (2 STRAPS = 4'-0")
2. 2x4 CONT. W/ 2-16d PER BLOCK
3. 2x4 BLOCK W/ 2-#10x2" STS PER PURLIN. 4 TOTAL PER BLOCK
4. 2x4 WALL FRAMING W/ TYPICAL INTERIOR WALL COVER.



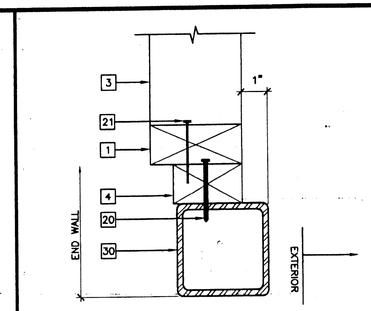
SCALE: 3"=1'-0" PARALLEL TO PURLINS

INTERIOR PARTITION PARALLEL 9



SCALE: 3"=1'-0"

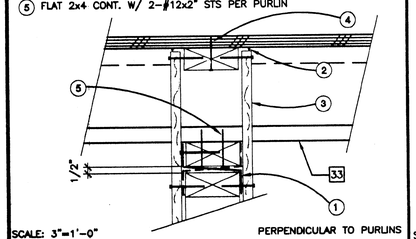
DOOR/WINDOW HEADER AND JAMB 5



SCALE: NTS

COLUMN AT END WALL 1

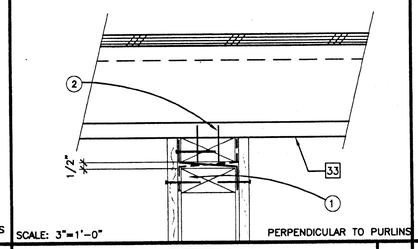
1. 3" x18 GA. BENT Z STRAP W/ 2-8d BOX EACH END AT 2'-0" O.C. ALTERNATE DIRECTION OF STRAPS. (2 STRAPS = 4'-0")
2. CONTINUOUS SEALANT TYPICAL
3. 5/8" TYPE X GYPSUM BOARD BOTH SIDES
4. FLAT 2x4 BETWEEN PURLINS W/ 8d AT 16" O.C. TO ROOF SHEATHING.
5. FLAT 2x4 CONT. W/ 2-#12x2" STS PER PURLIN



SCALE: 3"=1'-0" PERPENDICULAR TO PURLINS

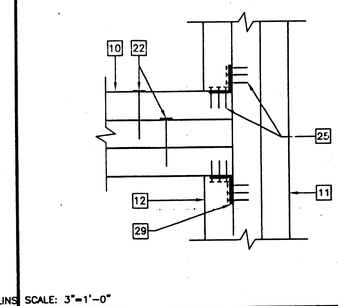
PERPENDICULAR (RATED 16/A6.21) 14

1. 3" x18 GA. BENT Z STRAP W/ 2-8d BOX EACH END AT 2'-0" O.C. ALTERNATE DIRECTION OF STRAPS. (2 STRAPS = 4'-0")
2. FLAT 2x4 CONT. W/ 2-#12x2" STS PER PURLIN



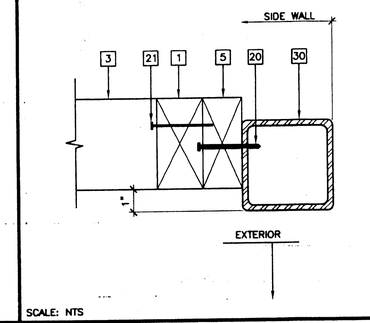
SCALE: 3"=1'-0" PERPENDICULAR TO PURLINS

INTERIOR PARTITION PERPENDICULAR 10



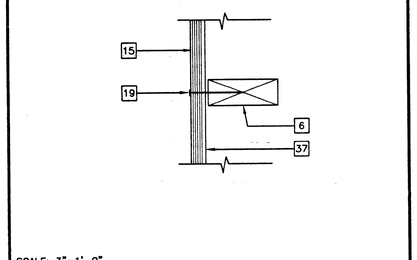
SCALE: 3"=1'-0"

WINDOW SILL AND JAMB 6



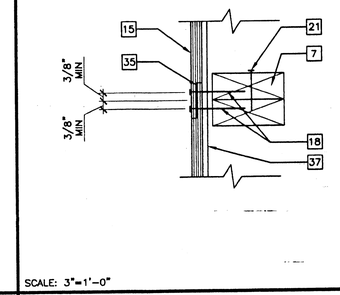
SCALE: NTS

COLUMN AT SIDE WALL 2



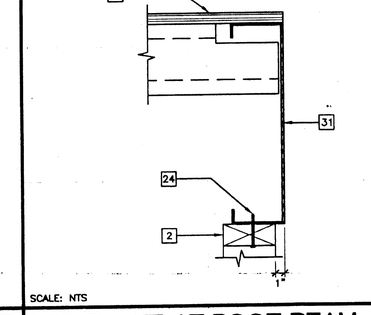
SCALE: 3"=1'-0"

SECTION AT STUD 15



SCALE: 3"=1'-0"

VERTICAL PLYWOOD JOINT 11

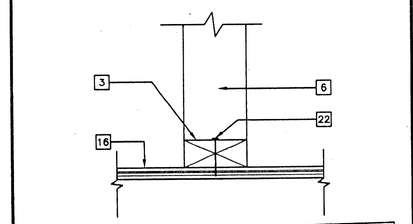


SCALE: NTS

TOP PLATE AT ROOF BEAM 7

PC

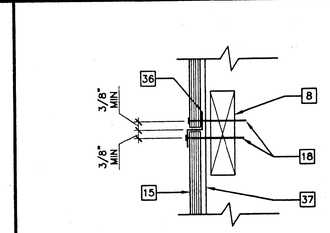
CBC 2001



SCALE: 3"=1'-0"

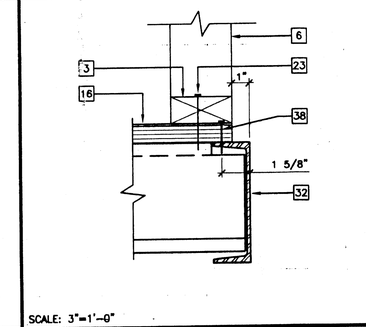
DATE SIGNED APR 16 2003

PARTITION CONNECTION AT FLOOR 16



SCALE: 3"=1'-0"

HORIZONTAL PLYWOOD JOINT 12



SCALE: 3"=1'-0"

WALL SILL AT FLOOR 8

WALL SILL AT FLOOR 4

NAILING SCHEDULE

CONNECTION: (ALL NAILS SHALL BE BOX NAILS, U.O.N.)	NAILING[1]:
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
6. SOLE PLATE TO JOIST OR BLOCKING: TYPICAL FACE NAIL / AT BRACED WALL PANELS	16d AT 16" OC / 3-16d PER 16"
7. TOP PLATE TO STUD, END NAIL	2-16d
8. STUD TO SOLE PLATE	4-8d, TOENAIL OR 2-16d, END NAIL
9. DOUBLE STUDS, FACE NAIL	16d AT 24" OC
10. DOUBLE TOP PLATES, TYPICAL FACE NAIL / DOUBLE TOP PLATES, LAP SPLICE	16d AT 16" OC / 8-16d
11. BLOCKING BETWEEN JOISTS, RAFTERS TO TOP PLATE, TOENAIL	3-8d
12. RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" OC
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
14. CONTINUOUS HEADER; TWO PIECES 16d AT 16" OC ALONG EA. EDGE	
15. CEILING JOIST TO PLATE, TOENAIL	3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
17. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
18. CEILING JOISTS, TO PARALLEL RAFTERS, FACE NAIL	3-16d
19. RAFTER TO PLATE, TOENAIL	3-8d
20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
21. 1"x8" OR LESS SHEATHING TO EACH BEARING, FACE NAIL	2-8d
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d
23. BUILT-UP CORNER STUDS	16d AT 24" OC
24. BUILT-UP GIRDER AND BEAMS 20d AT 32" OC TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE	
25. 2" PLANKS	2-16d AT EACH BEARING
26. WOOD STRUCTURAL PANELS AND PARTICLEBOARD[2]:	
SUBFLOOR AND WALL SHEATHING (TO FRAMING):	
1/2" AND LESS	6d[3]
19/32"-3/4"	8d[4] OR 6d[5]
7/8"-1"	8d[3]
1 1/8"-1 1/4"	10d[4] OR 8d[5]
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING):	
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)[2]: 1/2" OR LESS	6d[6]
5/8"	8d[6]
28. FIBERBOARD SHEATHING[7]: 1/2" AND 25/32"	NO.11 GA[8], 8d[4], NO.16 GA[9]
29. INTERIOR PANELING: 1/4"	4d[10]
3/8"	6d[11]

FOOTNOTES

[1] COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
[2] NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTIONS 2315.3.3 AND 2315.4. 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 2304.3.
[7] FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS.
[8] CORROSION-RESISTANT ROOFING NAILS WITH 7/16"ø HEAD AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO REQUIREMENTS OF SECTION 2304.3
[9] CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3.
[10] PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED). CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
[11] PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
[12] NAILS DRIVEN INTO PRESSURE TREATED WOOD SHALL BE GALVANIZED PER 2304.3

ROUGH OPENING SCHEDULE

OPENING	HEADER	SILL	JAMB	WIDTH	HEIGHT
STANDARD WALLS - 70 MPH WIND					
2068	(2)2"X4"	N/A	(2)2"X4"	26"	81 1/4"
3068	(2)2"X4"	N/A	(2)2"X4"	38"	81 1/4"
6068	(2)2"X4"	N/A	(3)2"X4"	74"	81 1/4"
8040	(3)2"X4"	(2)2"X4"	(4)2"X4"	95 3/4"	47 5/8"
PLASTER WALLS - 70 MPH WIND					
2068	(2)2"X4"	N/A	(3)2"X4"	26"	81 1/4"
3068	(2)2"X4"	N/A	(3)2"X4"	38"	81 1/4"
6068	(2)2"X4"	N/A	(4)2"X4"	74"	81 1/4"
8040	(3)2"X4"	(2)2"X4"	(4)2"X4"	95 3/4"	47 5/8"
STANDARD WALLS - 80 MPH WIND					
2068	(2)2"X4"	N/A	(2)2"X4"	26"	81 1/4"
3068	(2)2"X4"	N/A	(2)2"X4"	38"	81 1/4"
6068	(2)2"X4"	N/A	(3)2"X4"	74"	81 1/4"
8040	(3)2"X4"	(2)2"X4"	(4)2"X4"	95 3/4"	47 5/8"
PLASTER WALLS - 80 MPH WIND					
2068	(2)2"X4"	N/A	(3)2"X4"	26"	81 1/4"
3068	(2)2"X4"	N/A	(3)2"X4"	38"	81 1/4"
6068	(2)2"X4"	N/A	(4)2"X4"	74"	81 1/4"
8040	(3)2"X4"	(2)2"X4"	(5)2"X4"	95 3/4"	47 5/8"

KEY NOTES

1	2"x4" END STUD
2	2"x4" TOP PLATE
3	2"X4" FLOOR SILL PLATE
4	2"x NAILER AT END WALL
5	2"x4" NAILER AT SIDE WALL
6	2"X4" AT 16" OC
7	DOUBLE 2"x4" STUDS AT PLYWOOD EDGES
8	2"X4" BLOCKING
9	DOOR/WINDOW HEADER - 5,6/S4.02 (SEE SCHEDULE)
10	WINDOW SILL - 6/S4.02
11	FULL HEIGHT JAMB STUDS - 5,6/S4.02
12	2"x4" TRIMMER STUD
13	2"X4" DOUBLE TOP PLATE AT INTERIOR PARTITIONS
14	2"x4" BRACE AT 8'-0" OC MAX AT 45° MAX
15	EXTERIOR SHEATHING NAIL WITH 8d GALVANIZED BOX NAILS AT 6" OC EDGE NAILING, 12" OC FIELD NAILING
16	FLOOR SHEATHING
17	ROOF SHEATHING
18	EDGE NAILING 8d ELECTRO GALVANIZED AT 6" OC
19	FIELD NAILING 8d ELECTRO GALVANIZED AT 12" OC
20	#10 STSMS OR AEROSMITH BZH .144 SHOT PINS (ICBO NO. ER -5667) AT 24" OC (75MPH DESIGN) OR 21" OC (80MPH DESIGN AND PLASTER) AND .144 SHOTPINS AT 6 1/2" OC (17 ADDED SHOT PINS MIN FOR 75MPH WIND SHEAR) OR 5" OC (21 ADDED SHOT PINS MIN FOR 80MPH WIND AND PLASTER)
21	16d NAIL AT 24" OC
22	16d NAIL AT 16" OC
23	16d BOX NAILS AT 8" OC
24	#10 STSMS OR AEROSMITH BZH .144 SHOT PINS (ICBO NO. ER -5667) AT 16" OC (75MPH DESIGN) OR 16" OC (80MPH DESIGN AND PLASTER)
25	8d 1 1/2" NAILS
26	1/4"ø x 2 1/2" EYE LAG SCREW AT 8'-0" OC (2" EMBEDMENT)
27	#12x2" TYPE A HEX HEAD SCREWS WITH WASHERS (3 TYP)
28	A35 CLIP BOTH SIDES OF BRACE TO TOP PLATE
29	A34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
30	TUBE STEEL COLUMN (STR)
31	ROOF BEAM OR HEADER (STR)
32	FLOOR BEAM OR HEADER (STR)
33	ROOF PURLIN (STR)
34	12 GA BRACE WIRES ATTACH TO EYE LAG SCREWS AND TO ROOF PURLINS AT 8'-0" OC, ENDS TO HAVE 4 TIGHT WRAPS IN 1 1/2"
35	LAP JOINT
36	26 GA SHEET METAL ⌐ FLASHING
37	WATERPROOF MEMBRANE
38	EDGE NAIL AT FLOOR BEAM OR HEADER - #10x1 3/4" SELF TAPPING FLAT HEAD SCREWS AT 6" OC
39	SIMPSON 'STC' CLIPS AT 4'-0" OC FASTENED W/#10 STSMS
40	2x BRACING SECURED TO ROOF PURLINS W/#8 STSMS

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FILE PATH: 2440-S4.02.DWG

REVISIONS		
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2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER JAMES E. SIMPSON No. 19602 CIVIL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2656 REN. 8-30 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS BVL
DATE 5/12/03

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

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 70
100- 24 x 40 CLASSROOM BUILDINGS
4012-125 05-22-2003 80 MPH

DRAWN BY: STKP-70
DATE: 05-22-03
CHECKED BY:
DATE:

MODTECH Index No.

WALL FRAMING DETAILS

S4.02

PROJECT NO. SC-04-104801