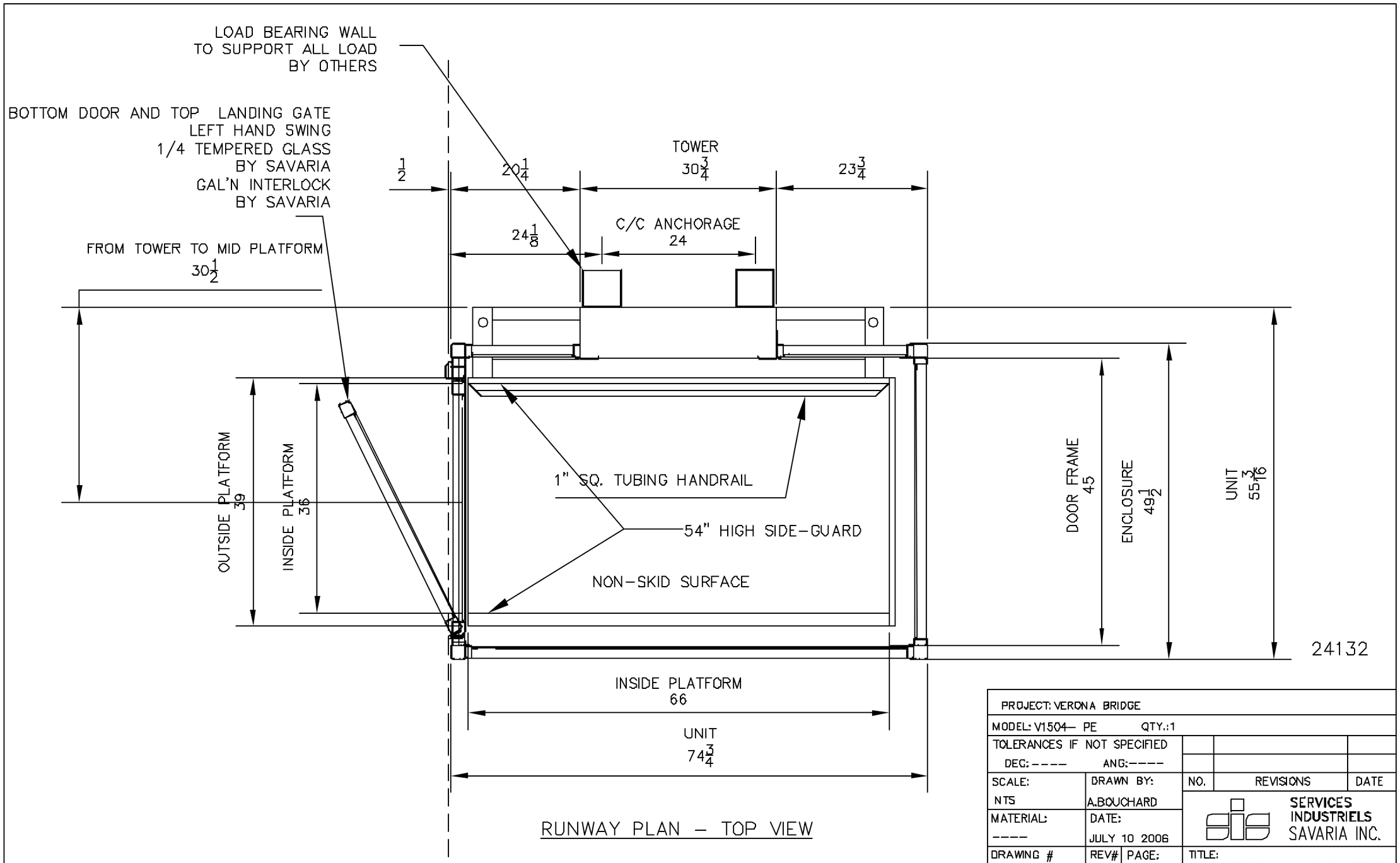
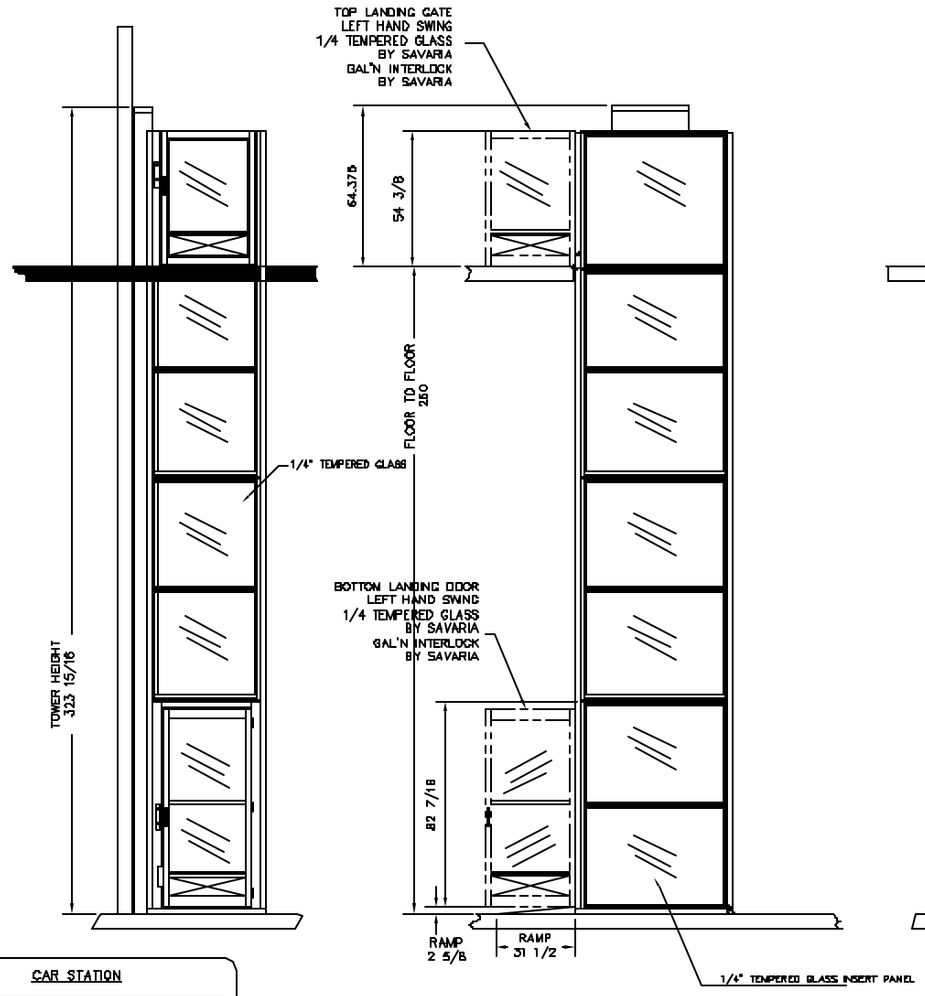
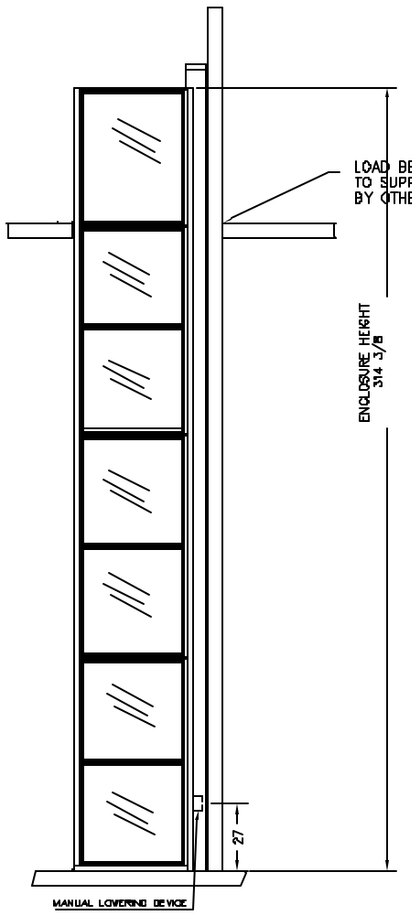


RUNWAY PLAN – TOP VIEW

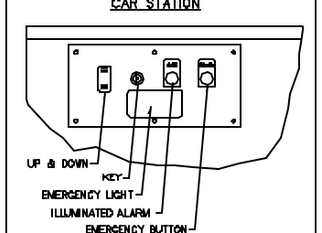
PROJECT: VERONA BRIDGE				
MODEL: V1504– PE QTY.:1				
TOLERANCES IF NOT SPECIFIED DEG: ---- ANG:----				
SCALE: NTS	DRAWN BY: A.BOUCHARD	NO.	REVISIONS	DATE
MATERIAL: ----	DATE: JULY 10 2006		SERVICES INDUSTRIELS SAVARIA INC.	
DRAWING # 24132–2	REV# 0 / PAGE: 2/2		TITLE: LIFT FOR HANDICAPPED	



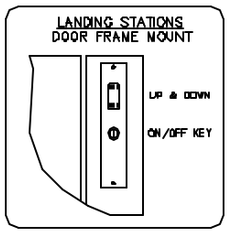


NOTE:
CAR OPERATING PANEL TYPE MAY VARY AT ANY TIME WITHOUT NOTICE (VACUUM FORMED PLASTIC OR STAINLESS STEEL PLATE)

CAR STATION



LANDING STATIONS
DOOR FRAME MOUNT



PROVISIONS BY OTHERS

A – HOISTWAY IN ACCORDANCE WITH ELEVATOR/LIFT SAFETY CODES (CAN – ASME A17.1 PART XX / CAN – CSA B355–04) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.

B – PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES OWNER/AGENT MUST ASSURE THAT HOISTWAY IS CONSTRUCTED PLUMB (± 1/8 IN.) AND SQUARE AND TO SIZE SHOWN.

D – PIT WATER PROOFING OR SUMP AS REQUIRED. PIT FLOOR DESIGNED FOR REACTION SHOWN.

D – NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE LIFT EQUIP. IS PERMITTED IN THE HOISTWAY

E – ADEQUATE SUPPORT FOR GUIDE RAIL FASTENINGS, ETC. BUILDING STRUCTURAL ENGINEER TO ASSURE THAT BUILDING AND SHAFT WILL SUPPORT ALL LOADS IMPOSED BY THE LIFT EQUIPMENT.

F – ELECTRICAL EQUIPMENT AND WIRING TO COMPLY WITH SECTION 38 OF CSA C22.1, ARTICLE 620 OF NATIONAL ELECTRIC CODE ANSI/NFPA 70

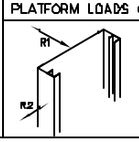
1) FUSED DISCONNECT WITH AUXILIARY CONTACT ON MAIN POWER SUPPLY. PROVIDE TWO 18 AWG CONDUCTORS BETWEEN CONTACT AND CONTROLLER.
2) LIGHTING OF 100 LX MIN. AT PLATFORM AND LANDINGS
3) LIGHTING WITH SWITCH AND ELECTRICAL GFCI OUTLET IN HOISTWAY PIT.
4) BRANCH CIRCUIT WITH DISCONNECT FOR DOOR OPERATORS (IF EQUIPPED).
5) BRANCH CIRCUIT WITH DISCONNECT FOR VENTILATION SYSTEM (IF EQUIPPED).

GENERAL SPECIFICATIONS

1) COLOR BEIGE STANDARD FOR OUTDOOR APPLICATION
2) HYRAULIC PUMP 110 VAC OPERATION (110 VAC UP/12 VDC DOWN)

INSTALLER: SOURCE EQUIPMENT

RAIL FORCES GENERATED BY PLATFORM LOADS ONLY



R1: 472 LBS
R2: 280 LBS

PIT LOADING:
R3: 3200 LBS

ELECTRICAL DATA

	AMPERAGE	VOLTAGE	PHASE	REQUIRED
POWER SUPPLY	20	120	1	1

HYDRAULIC DATA

MOTOR: 1.5 Hp	PLUNGER – ø 2.0"	THK: FULL			
SYSTEM MAX. PRES.: 2000 PSI	CYLINDER	ø	2.5"	THK	0.125"
FLOW: 1.15 GPM	CHAIN	#	50	QTY	2
OIL CAP.: 1.25 GAL	pulleys	TEE		P.D.	
WEIGHT/PLUNGER: 2125 LBS					

GENERAL DATA

CAPACITY: 750 LB	SPEED: UP: 14 ft/m DOWN: 14 ft/m
LANDINGS: 2	OPENINGS: LEFT
TRAVEL: 260"	RAMP: 2–5/8"
PROJECT: VERONA BRIDGE 24238	
MODEL: V1304–PE QTY.:1	
TOLERANCES IF NOT SPECIFIED DEC:--- ANG:---	

SCALE: NTS	DRAWN BY: A.BOUCHARD	NO.	REVISIONS / DATE
MATERIAL: ---	DATE: JULY 10 2008	D	FOR APPROVAL 14/3/08
DRAWING #: 24132–1	REV#: 1	PAGE: 1/2	

SERVICES INDUSTRIELS SAVARIA INC.

TITRE: LIFT FOR HANDICAPPED

SYMBOLS

- EARTH/COMPACT FILL
- CAST-IN-PLACE CONCRETE
- SAND/MORTAR/PLASTER
- STONE
- STEEL OR STAINLESS STEEL
- SPACER / BLOCKING (CONTINUOUS)
- SPACER / BLOCKING (INTERMITTENT)
- MEMBRANE WATERPROOFING
- FILTER FABRIC
- DRAINAGE COMPOSITE
- ELEVATION / SECTION
- PARTITION TYPE
- ELEVATION DATUM
- ELEVATION
- SPOT ELEVATION (ELEVATION/SECTION)
- SPOT ELEVATION (PLAN)
- MATCH LINE (MATCH LINE / SEE SHEET A100)
- ROOM NAME AND NUMBER (STORAGE / A1-01)
- DOOR NUMBER AND SIZE
- COLUMN LINE LABEL

Room Finish Schedule

ROOM	FLOOR	WALLS	CEILING	HEIGHT	REMARKS
Level - Base Mechanical					
Elevator Equipment Room	a	d, e	b	o, 9'-0"	k
Electrical Equipment Room	a	d, e	b	o, 9'-0"	-
Hoistway	a	d, e	b	o, 9'-0"	k
Storage Room	a	d, e	b	o, 9'-0"	-
Vestibule	a	d, e	b	o, 9'-0"	-
Level - Base Entry					
Stair No. 1	a	d, e	c	-	-
Open Entry Space	a	d, e	o	n	-
Level- Pylon Road Level					
Fire Escape Stair	a	d, e	b	-	-
Hoistway - Typical To 389.20'	a	d, f	b	-	k
Level- Pylon Typical					
Fire Escape Stair	a	d, f	b	-	-
Level- Observatory Mechanical Room					
Fire Escape Stair	a	b, g	b	-	k
Vestibule	a	h, i, l, m	a	o, 9'-7"	-
Mechanical Closet	a	h, i, l, m	a	o, 9'-7"	-
Hoistway - 389.20' To 420.03'	a	b	a	o, 9'-7"	k
Level- Observatory Lower					
Observatory Lower	a	h, i, l, m	a	o, 9'-7"	-
Level- Observatory Landing					
Observatory Landing	a	h, i, l, m	a	o, 9'-7"	-
Level- Observatory Upper					
Observatory Upper	a	h, i, l, m	a, j	o, 9'-7"	-

KEY NOTES:
a. Exposed Concrete With Sealer
b. Exposed Concrete Without Sealer
c. Metal Deck, Unfinished
d. Cast-In-Place Concrete Structural Walls To Be Unfinished
e. All Exposed Concrete Block Wall Joints To Be Troweled and Rodded
f. Rated Shaft Wall Unfinished
g. Rated Shaft Wall Painted
h. Rated Shaft Wall Finished With Stucco Wall Covering, Paint Color Is Light Gray To Be Approved By Architect
i. All Exposed Concrete Surfaces (Including: Floors, Columns, Beams, Underside of Stairs and Slabs) With Sealer
j. All Exposed Metal Structural Elements and Roofing Surfaces To Be Painted In Ceiling Area Above 430.86'
k. Maintain Rated Enclosure At All Floor, Ceiling, Wall, and Penetration Joints
l. All Exposed Concrete Hoistway Shaft Walls With Sealer
m. All Finishes At Curtain Wall By Curtain Wall Contractor
n. Open To Bridge Structure Above
o. Ceiling is Concrete Slab

Door Schedule

DOOR NUMBER	DOOR QTY	DOOR SIZE	DOOR THICKNESS	DOOR MATERIAL	DOOR RATING	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FRAME DEPTH	FRAME JAMB	FRAME HEAD	FRAME SILL	HARDWARE SET	REMARKS
Level - Base Mechanical														
BM-01	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	2-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f	See VT 01
BM-02	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	-	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f	-
BM-03	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	-	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f	-
BM-04	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	1-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f	-
Level - Base Entry Level														
BE-01	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	1-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f,h	-
Level - Pylon Road Level														
P-02	2	3'-0" x 6'-8"	1 3/4"	Hollow Metal	2-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,e,f,h	All S.S. Construction
Level - Pylon Typical														
P-01 Typical	9	2'-8" x 6'-8"	1 3/4"	Hollow Metal	2-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f,i	Hoistway Access Doors
Level - Observatory Mechanical														
M-01	1	3'-0" x 6'-8"	1 3/4"	Hollow Metal	2-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,e,f,g	Transom Dimension - 10"
M-02	1	2'-8" x 6'-8"	1 3/4"	Hollow Metal	-	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f,g,h	Transom Dimension - 10"
M-03	1	2'-8" x 6'-8"	1 3/4"	Hollow Metal	-	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,e,f	-
Level - Observatory Upper														
UL-01	1	28.5" x 29.5"	1 3/4"	Hollow Metal	2-Hour	PTD	Hollow Metal	PTD	5"	2"	2"	None	a,c,d,f	Removable Access Panel

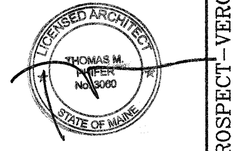
KEY NOTES:
a. Lockset/Latchset
b. Deadbolt
c. Closer
d. Door Stop
e. Panic Hardware
f. Butt Hinges
g. Transom panel above, Head at underside of ceiling
h. Tamper-Proof Security Lock
i. Self Locking with Key Removable in Closed Position Only

ABBREVIATIONS

ABV	ABOVE
A. F. F.	ABOVE FINISHED FLOOR
ADD'L	ADDITIONAL
ADJ	ADJUSTABLE
AGG	AGGREGATE
A. H. U.	AIR HANDLING UNIT
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BM	BEAM BEARING
BRG	BEARING
BD	BOARD
BOT	BOTTOM
B. O. W.	BOTTOM OF WALL
BLDG	BUILDING
CANT	CANTILEVER
C. I. P.	CAST IN PLACE
C. B.	CATCH BASIN
CLG	CEILING
CEM PL	CEMENT PLASTER
C. L.	CENTER LINE
C. P.	CENTER POINT
C. C.	CENTER TO CENTER
C. H. S.	CIRCULAR HOLLOW SECTION
CLR	CLEAR
C. O.	CLEAR OPENING
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
C. J.	CONSTRUCTION JOINT
CONT	CONTINUOUS
C. WALL	CURTAIN WALL
DP	DAMPPROOFING
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DR	DOOR
D. O.	DOOR OPENING
DN	DOWN
DWG	DRAWING
E. O.	EDGE OF
ELEC	ELECTRICAL, ELECTRIC
EL	ELEVATION
ELEV	ELEVATOR
ENT	ENTRANCE
EQ.	EQUAL
EQUIP	EQUIPMENT
ES	EXIT SIGN
EXP	EXPANSION, EXPANDED
EX	EXPOSED
EXT	EXTERIOR
F. O. C.	FACE OF CONCRETE
F. O. F.	FACE OF FINISH
F. O. W.	FACE OF WALL
FIN	FINISH, FINISHED
F. C. V.	FIRE CONTROL VALVE
F. E.	FIRE EXTINGUISHER
F. E. C.	FIRE EXTINGUISHER CABINET
FPRF	FIREPROOFING
FLSHG	FLASHING
FL	FLOOR
FLUOR	FLUORESCENT
GALV	GALVANIZED
GL	GLASS
G. B.	GRAB BAR
G. L.	GRID LINE
H. R.	HAND RAIL
HDWE	HARDWARE
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HT	HEIGHT
H. P.	HIGH POINT
H. M.	HOLLOW METAL
HORIZ	HORIZONTAL
HDG	HOT-DIP GALVANIZED
IN	INCH (ES)
INFO	INFORMATION
I. G. U.	INSULATING GLASS UNIT
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
KD	KNOCKDOWN
KO	KNOCKOUT
LT	LIGHT
LIN	LINEAR
L. D.	LINEAR DIFFUSER
LOUV	LOUVER
LOW-E	LOW EMISSIVITY
L. P.	LOW POINT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
M. J.	MOVEMENT JOINT
MUL	MULLION
NOM	NOMINAL
N. I. C.	NOT IN CONTRACT
N. T. S.	NOT TO SCALE
NO, #	NUMBER
O. C.	ON CENTER
OPNG	OPENING
OPER	OPERABLE
OPP	OPPOSITE
O. H.	OPPOSITE HAND
O. D.	OUTSIDE DIAMETER
PTD	PAINTED
PNL	PANEL
P. HDWE	PANIC HARDWARE
P. CONCRETE	PAINTED CONCRETE
PERF	PERFORATED
PT	POINT
PREP	PREPARATION
RAD	RADIUS
REC	RECESSED
R. H. S.	RECTANGULAR HOLLOW SECTION
REF	REFLECTED
RCP	REFLECTED CEILING PLAN
REFL	REFLECTIVE
REINF	REINFORCED / REINFORCING
REBAR	REINFORCING STEEL BARS
REQ'D	REQUIRED
RET	RETURN
REV	REVERSE
R.	RISER
RM	ROOM
R. O.	ROUGH OPENING
RD	ROUND
S	SPRINKLER
SD	SMOKE DETECTOR
SCH	SCHEDULE
S. C.	SEALED CONCRETE
SECT	SECTION
SEP	SEPARATE
SHT	SHEET
SIM	SIMILAR
SL	SLAB
SPEC	SPECIFICATION, SPECIFIED
SQ	SQUARE
S. F./SQ FT	SQUARE FOOT
S. H. S.	SQUARE HOLLOW SECTION
S.S.	STAINLESS STEEL
STL	STEEL
STR	STRUCTURAL, STRUCTURE
SUSP	SUSPENDED
THRU	THROUGH
T. O. BM.	TOP OF BEAM
T. O. CONC	TOP OF CONCRETE
T. O. SL	TOP OF SLAB
T. O. W.	TOP OF WALL
TR	TREAD
T. S.	TUBE STEEL
TYP	TYPICAL
U. L.	UNDERWRITERS LABORATORIES
V. I. F.	VERIFY IN FIELD
VERT	VERTICAL
WALLBD	WALLBOARD
W. R.	WATER RESISTANT
W. H.	WEEP HOLE
WT	WEIGHT
W. W. M.	WELDED WIRE MESH
W. F.	WIDE FLANGE
W. O. D.	WIDTH OF DOOR
W/	WITH
WP	WORK POINT

DRAWING LIST

Legend Notes



Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56 BRIDGE PLANS
BRIDGE NO. 6421

	BY	DATE
PROJ. MANAGER	W.JACKLEDER	
DESIGN DETAILED	L.Lugan	9-8-04
DESIGN CHECKED	L.Lugan	10-15-04
DESIGN DETAILED		
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

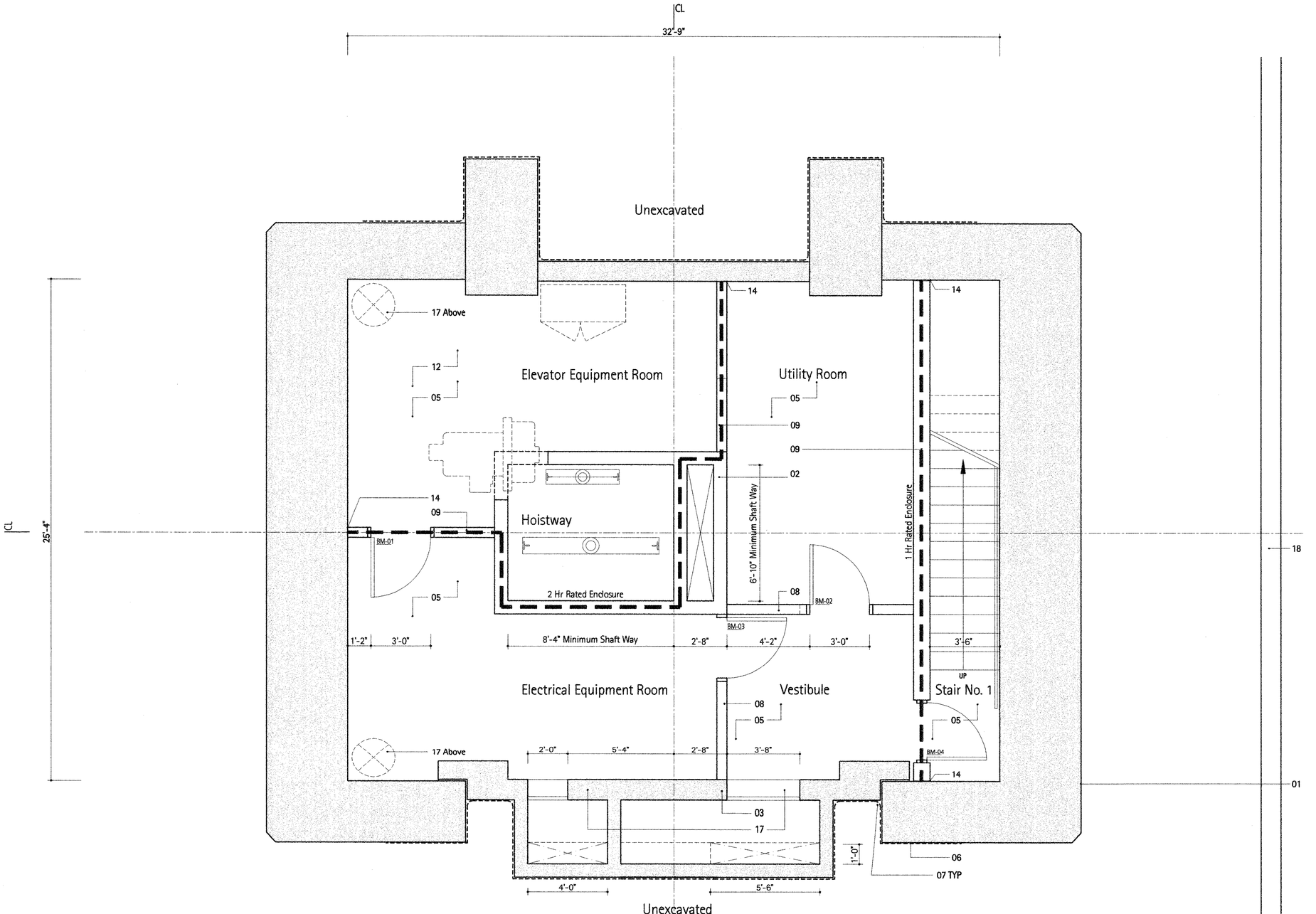
DRAWING SYMBOLS AND ABBREVIATIONS

SHEET NUMBER

A01

OF 43

1 Plan - Base Mechanical
3/8"=1'-0"



Legend Notes

01	Concrete Bridge Construction
02	Elevator Hoistway And Shaft See Structural Drawings
03	Cast-In-Place Concrete Infill Wall See Structural Drawings
04	Expansion Joint
05	Exposed Concrete Floor
06	Membrane Water Proofing
07	Vertical Expansion Joint Waterproofing
08	Non Rated, Non Combustible Wall
09	Fire Rated Wall
10	Hollow Metal Door And Frame
11	Rated Hollow Metal Door And Frame
12	Elevator Equipment Room See Sheet VT01 And VT02
13	Elevator Entranceway See Sheet VT01 And VT02
14	Fire Safe As Required
16	Underside Of Exposed Concrete Slab
17	HVAC Penetrations See Mechanical and Structural Drawings
18	Landscape Wall
19	Steel Grating With Support Frame
20	Lower Pylon Infill wall (See Pylon Supplemental Plans)
21	Aluminum Storefront Window

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN
BRIDGE NO. 6421 **7965.55, 7965.56**

PROJ. MANAGER	W.J.ROWLERS	DESIGNED/DETAILED	L.Lopata
CHECKED/REVIEWED	L.Lopata	DESIGN DETAILED	D.Cox
DESIGN DETAILED	D.Cox	REVISIONS 1	
REVISIONS 2		REVISIONS 3	
REVISIONS 4		FIELD CHANGES	

BY	DATE
D.Cox	8-9-04
D.Cox	10-15-04

SIGNATURE

P.E. NUMBER

DATE

PROSPECT\VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - BASE MECHANICAL

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3000
STATE OF MAINE

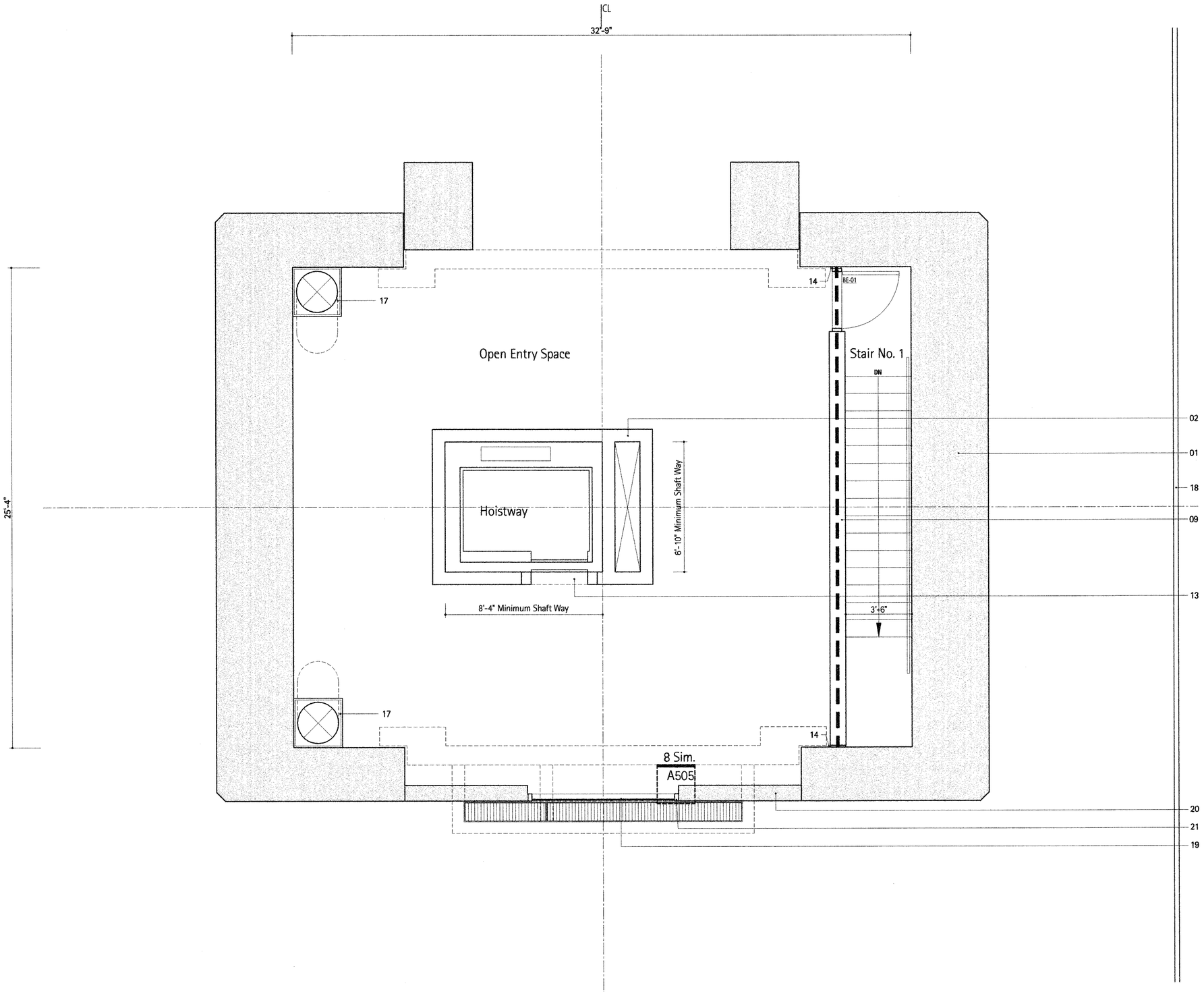
Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A100

SHEET NUMBER
A02
OF 43

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

1 Plan - Base Entry
3/8"=1'-0"



Legend Notes

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02	Elevator Hoistway And Shaft See Structural Drawings
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04	Expansion Joint
05	Exposed Concrete Floor
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07	Vertical Expansion Joint Waterproofing
08	Non Rated, Non Combustible Wall
09	Fire Rated Wall
10	Hollow Metal Door And Frame
11	Rated Hollow Metal Door And Frame
12	Elevator Equipment Room See Sheet VT01 And VT02
13	Elevator Entranceway See Sheet VT01 And VT02
14	Fire Safe As Required
16	Underside Of Exposed Concrete Slab
17	HVAC Penetrations See Mechanical and Structural Drawings
18	Landscape Wall
19	Steel Grating With Support Frame
20	Lower Pylon Infill wall (See Pylon Supplemental Plans)
21	Aluminum Storefront Window

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

P.E. NUMBER

SIGNATURE

DATE

	PROJ. MANAGER	BY	DATE
	DESIGNED/DETAILED	W.J.ROHLEDER	
	CHECKED/REVIEWED	L.Logsdo	9-9-04
	DESIGNED/DETAILED	L.Logsdo	10-15-04
	DESIGNED/DETAILED	D.Cox	
	REVISIONS 1	D.Cox	
	REVISIONS 2		
	REVISIONS 3		
	REVISIONS 4		
	FIELD CHANGES		

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - BASE ENTRY

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3680
STATE OF MAINE

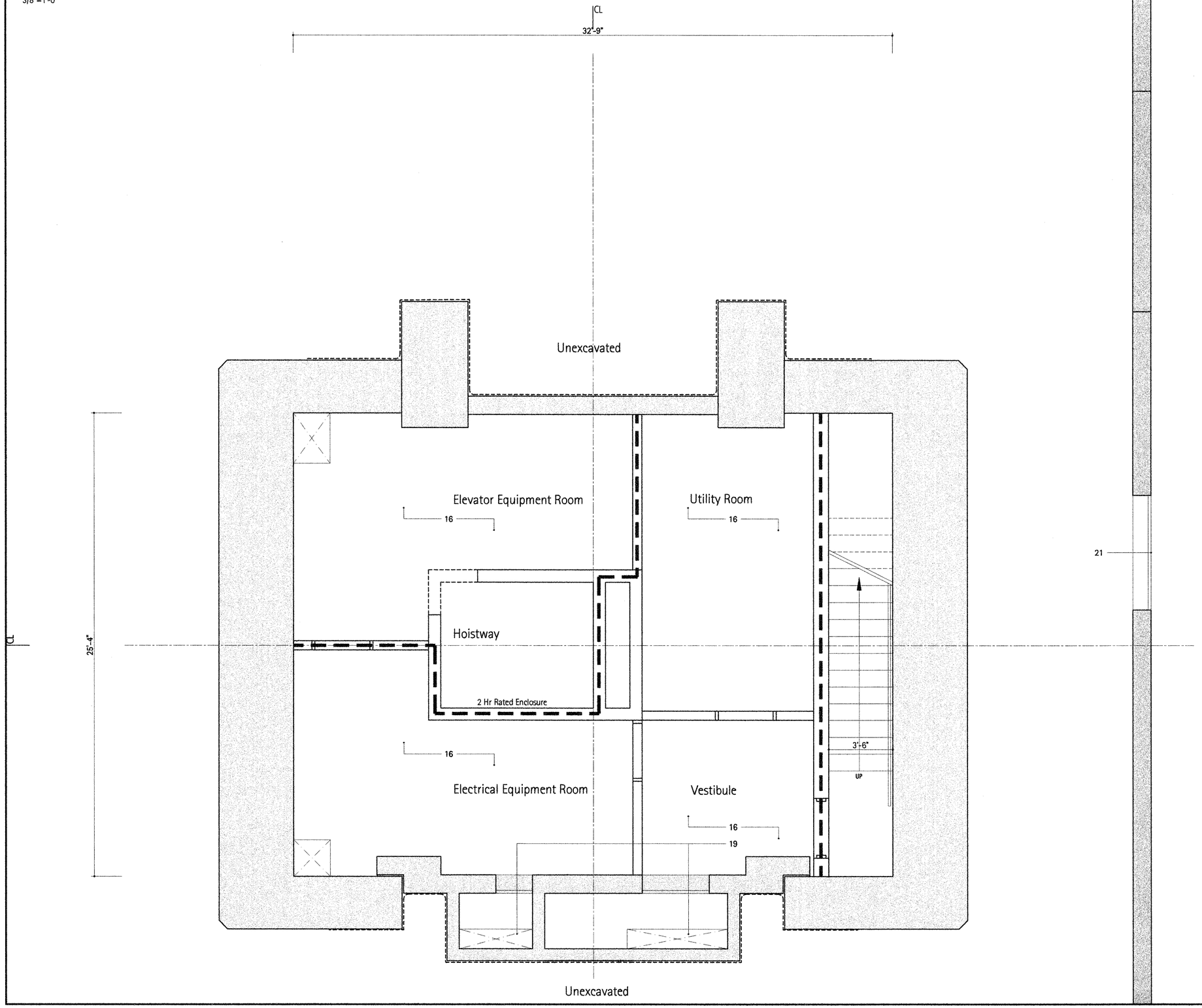
Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A101

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, FL • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER
A03
OF 43

1 Mechanical Level - Reflected Ceiling Plan
3/8"=1'-0"



Legend Notes

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11	Rated Hollow Metal Door And Frame
12	Elevator Equipment Room See Sheet VT01 And VT02
13	Elevator Entranceway See Sheet VT01 And VT02
14	Fire Safe As Required
16	Underside Of Exposed Concrete Slab
17	HVAC Penetrations See Mechanical and Structural Drawings
18	Landscape Wall
19	Steel Grating With Support Frame
20	Lower Pylon Infill wall (See Pylon Supplemental Plans)
21	Aluminum Storefront Window

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN
BRIDGE NO. 6421 **7965.55, 7965.56**

PROJ. MANAGER	W.JURDA/EDSER			
DESIGNED/DETAILED	L.Lopata	D.Cox	8-9-04	
CHECKED/REVIEWED	L.Lopata	D.Cox	10-15-04	
DESIGNED/DETAILED2				
DESIGNED/DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SIGNATURE

P.E. NUMBER

DATE

LICENSED ARCHITECT
THOMAS M PHIFER
No. 3060
STATE OF MAINE

PROSPECT\VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

REFLECTED CEILING PLAN
MECHANICAL LEVEL

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

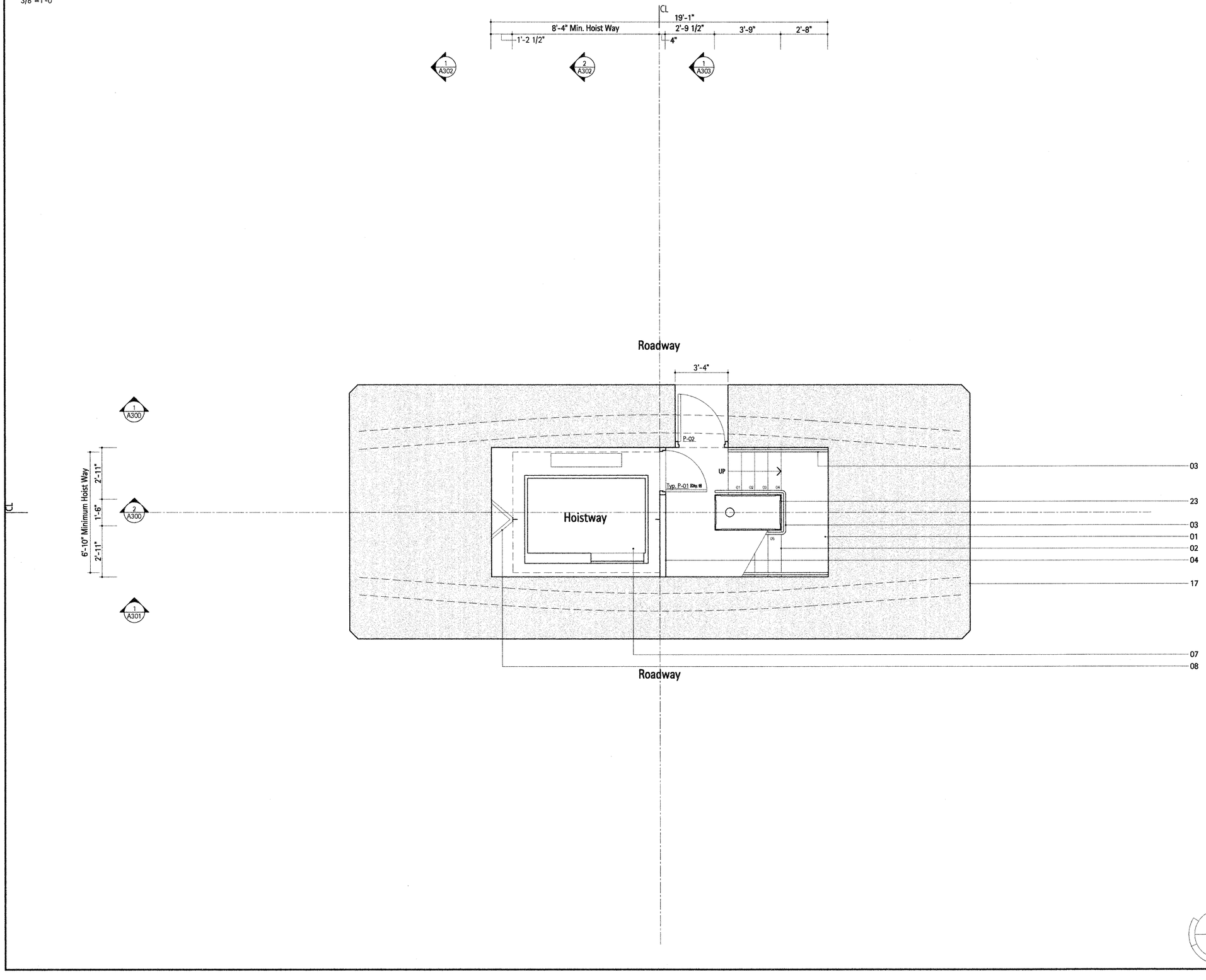
A110

SHEET NUMBER
A04
OF 43

N

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

1 Plan - Pylon Road Typical
3/8"=1'-0"



Legend Notes

01	Open Steel Grating - See Structural Dwgs.
02	Open Steel Grating Stair Treads
03	1.5" Painted Steel Tube Handrail And Support Brackets
04	2 HR Shaft Wall (Wall Type 1) See A31
05	Fire Exit Door With Panic Hardware
06	Emergency Egress Door With Keyed Lock See Structural Drawings For Locations
07	Elevator Hoist Way, See VT01, VT02
08	Off Set Rail Brackets As Required
09	42" High Guard Rail
10	Cast-In-Place Concrete Tread And Riser
11	Concrete Floor Ground Sealed
12	1.5" Stainless Steel Tube Handrail And Support Brackets
13	Fire Department Hook-Up
14	Hollow Metal Door And Frame
15	Operable Curtain Wall Unit
16	Outside Air Vents Above
17	Concrete Structure
18	Fire Marshall Approved Gate "No Public Beyond"
19	Vertical Platform Lift
20	Custom Stainless Steel And Glass Lift Enclosure - See A 502
21	Elevator Entrance, See VT01, VT02
22	42" High Glass Railing With Stainless Steel Top Rail
23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)

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A120

Figg Bridge Engineers, Inc.
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56
BRIDGE PLANS
BRIDGE NO. 6421

	SIGNATURE	P.E. NUMBER	DATE

	DATE	BY
DESIGN-DETAILED	8-6-04	D.Cox
CHECKED-REVIEWED	10-15-04	D.Cox
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

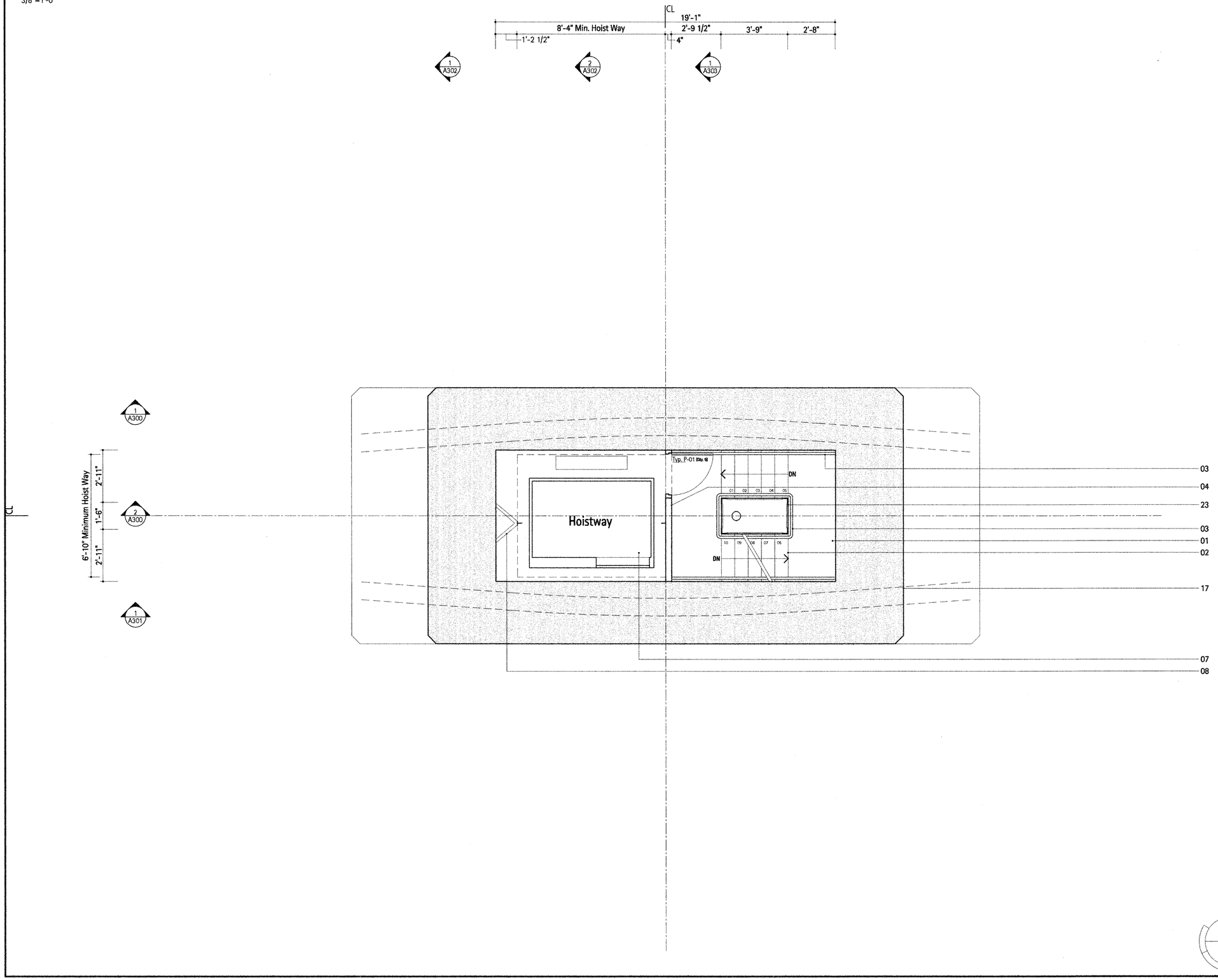
PROJ. MANAGER: W.JROHLEDER
L.Loomis
L.Loomis

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - PYLON ROAD LEVEL

SHEET NUMBER
A05
OF 43

1 Plan - Pylon Typical
3/8"=1'-0"



Legend Notes

01	Open Steel Grating - See Structural Dwgs.
02	Open Steel Grating Stair Treads
03	1.5" Painted Steel Tube Handrail And Support Brackets
04	2 HR Shaft Wall (Wall Type 1) See A31
05	Fire Exit Door With Panic Hardware
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07	Elevator Hoist Way, See VT01, VT02
08	Off Set Rail Brackets As Required
09	42" High Guard Rail
10	Cast-In-Place Concrete Tread And Riser
11	Concrete Floor Ground Sealed
12	1.5" Stainless Steel Tube Handrail And Support Brackets
13	Fire Department Hook-Up
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16	Outside Air Vents Above
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18	Fire Marshall Approved Gate "No Public Beyond"
19	Vertical Platform Lift
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21	Elevator Entrance, See VT01, VT02
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23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)

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212 337 0334

A121

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56
BRIDGE NO. 6421
BRIDGE PLANS

SIGNATURE
P.E. NUMBER
DATE

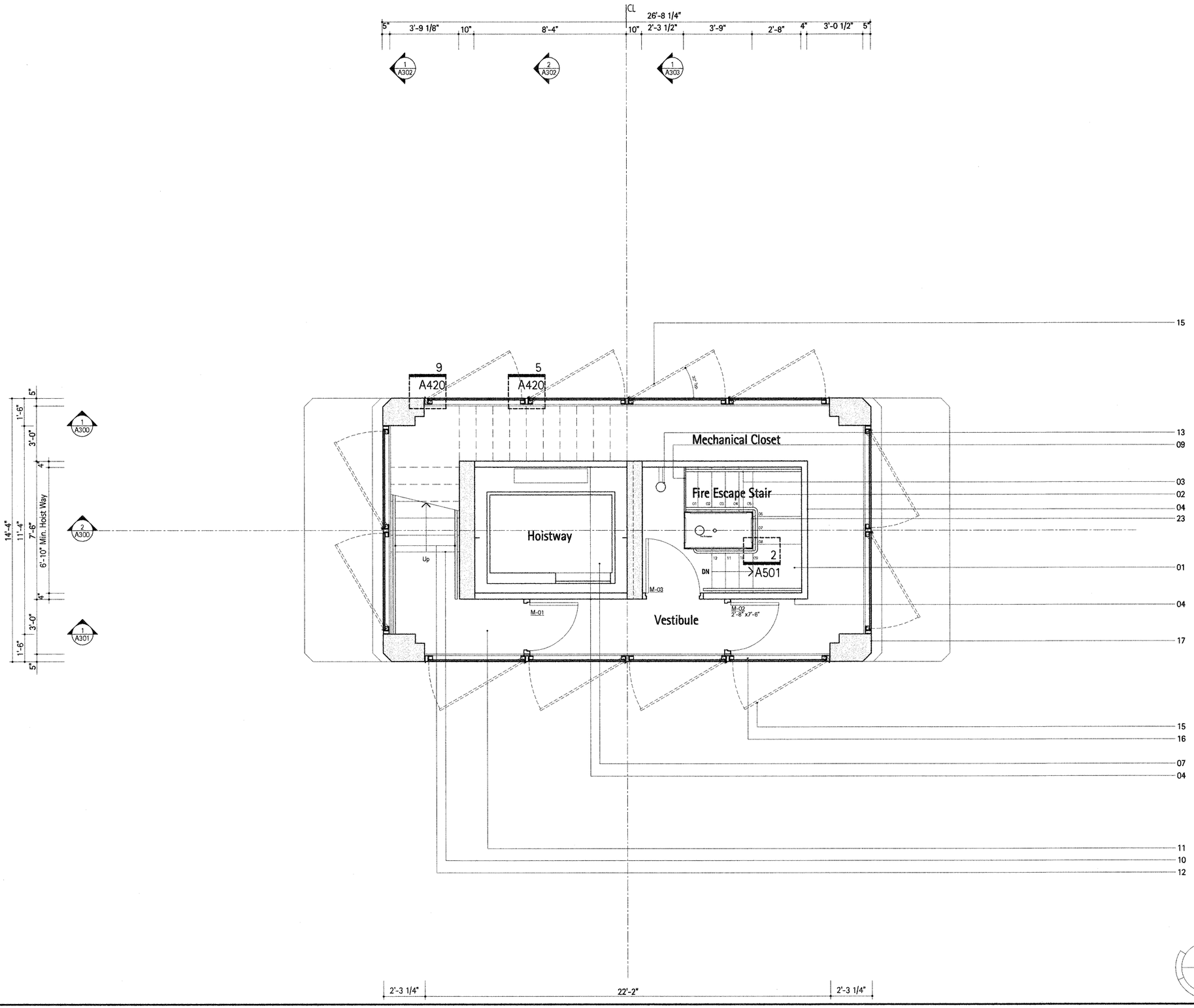
	BY	DATE
W.J.ROHLEDER		
DESIGN DETAILED	L.Lagoda	5-5-04
CHECKED/REVIEWED	L.Lagoda	10-15-04
DESIGN DETAILED2		
DESIGN DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		
PROJ. MANAGER		

PROSPECT—VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - PYLON TYPICAL

SHEET NUMBER
A06
OF 43

1 Plan - Observatory Mechanical
3/8"=1'-0"



Legend Notes

01	Open Steel Grating - See Structural Dwgs.
02	Open Steel Grating Stair Treads
03	1.5" Painted Steel Tube Handrail And Support Brackets
04	2 HR Shaft Wall (Wall Type 1) See A31
05	Fire Exit Door With Panic Hardware
06	Emergency Egress Door With Keyed Lock See Structural Drawings For Locations
07	Elevator Hoist Way, See VT01, VT02
08	Off Set Rail Brackets As Required
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15	Operable Curtain Wall Unit
16	Outside Air Vents Above
17	Concrete Structure
18	Fire Marshall Approved Gate "No Public Beyond"
19	Vertical Platform Lift
20	Custom Stainless Steel And Glass Lift Enclosure - See A 502
21	Elevator Entrance, See VT01, VT02
22	42" High Glass Railing With Stainless Steel Top Rail
23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A122

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56
BRIDGE PLANS
BRIDGE NO. 6421

PROJ. MANAGER	W.J.ROHLEDER	
DESIGNED-DETAILED	L.Lopata	
CHECKED-REVIEWED	L.Lopata	
DESIGNER/DETAILER2		
DESIGNER/DETAILER3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

	BY	DATE
	D.Cox	8-9-24
	D.Cox	10-15-24

SIGNATURE

P.E. NUMBER

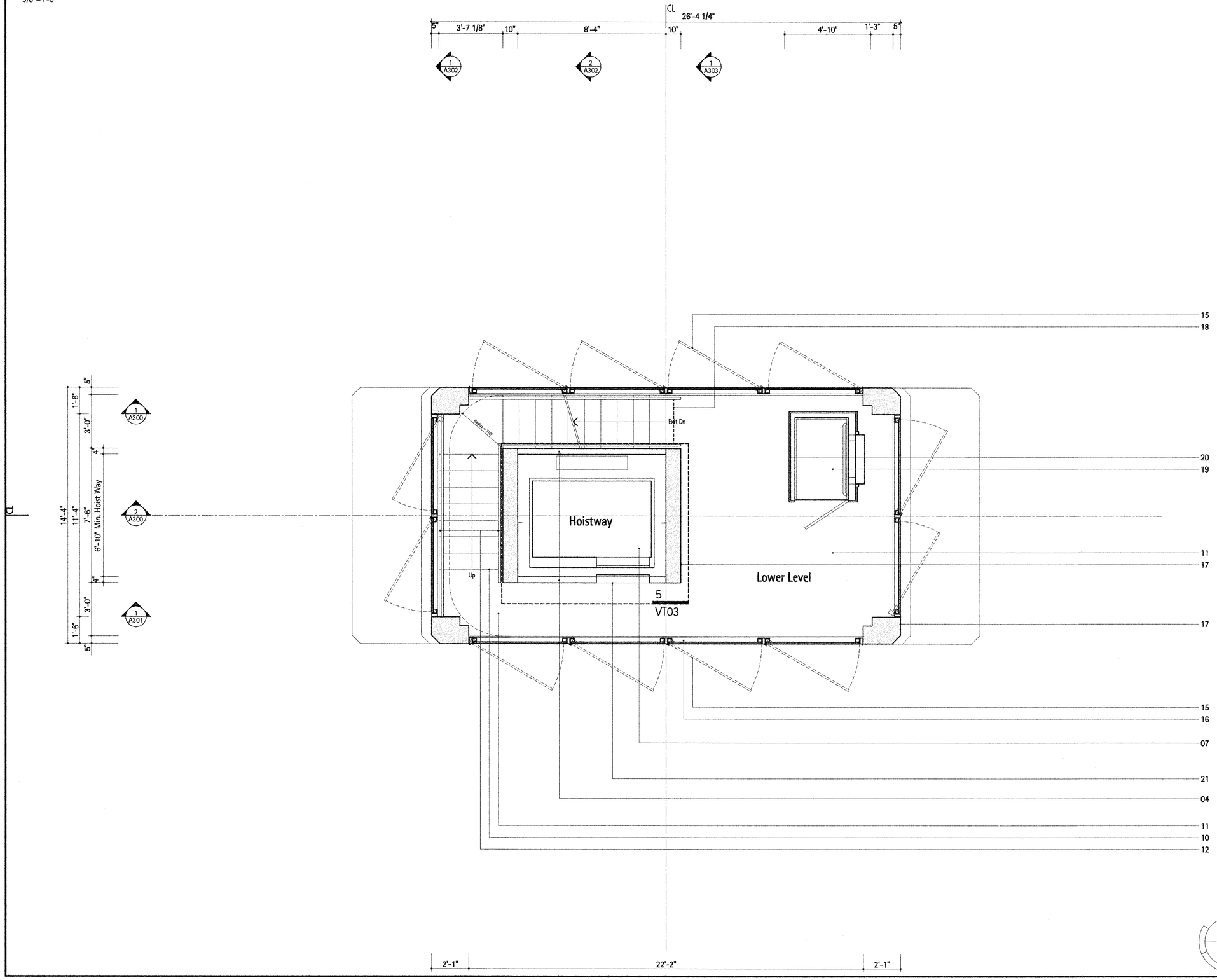
DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - OBSERVATORY MECHANICAL

SHEET NUMBER
A07
OF 43

1 Plan - Observatory Lower
3/8"=1'-0"



Legend Notes

01	Open Steel Grating - See Structural Dwgs.
02	Open Steel Grating Stair Treads
03	1.5" Painted Steel Tube Handrail And Support Brackets
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18	Fire Marshall Approved Gate "No Public Beyond"
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21	Elevator Entrance, See VT01, VT02
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23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)

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A123

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	W.J.ROHLEDER	D.Cox	9-9-04
PROJ. MANAGER	L.Lopata	D.Cox	10-15-04
DESIGNED/DETAILED	L.Lopata		
CHECKED/REVIEWED			
DESIGNED/DETAILED2			
DESIGNED/DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

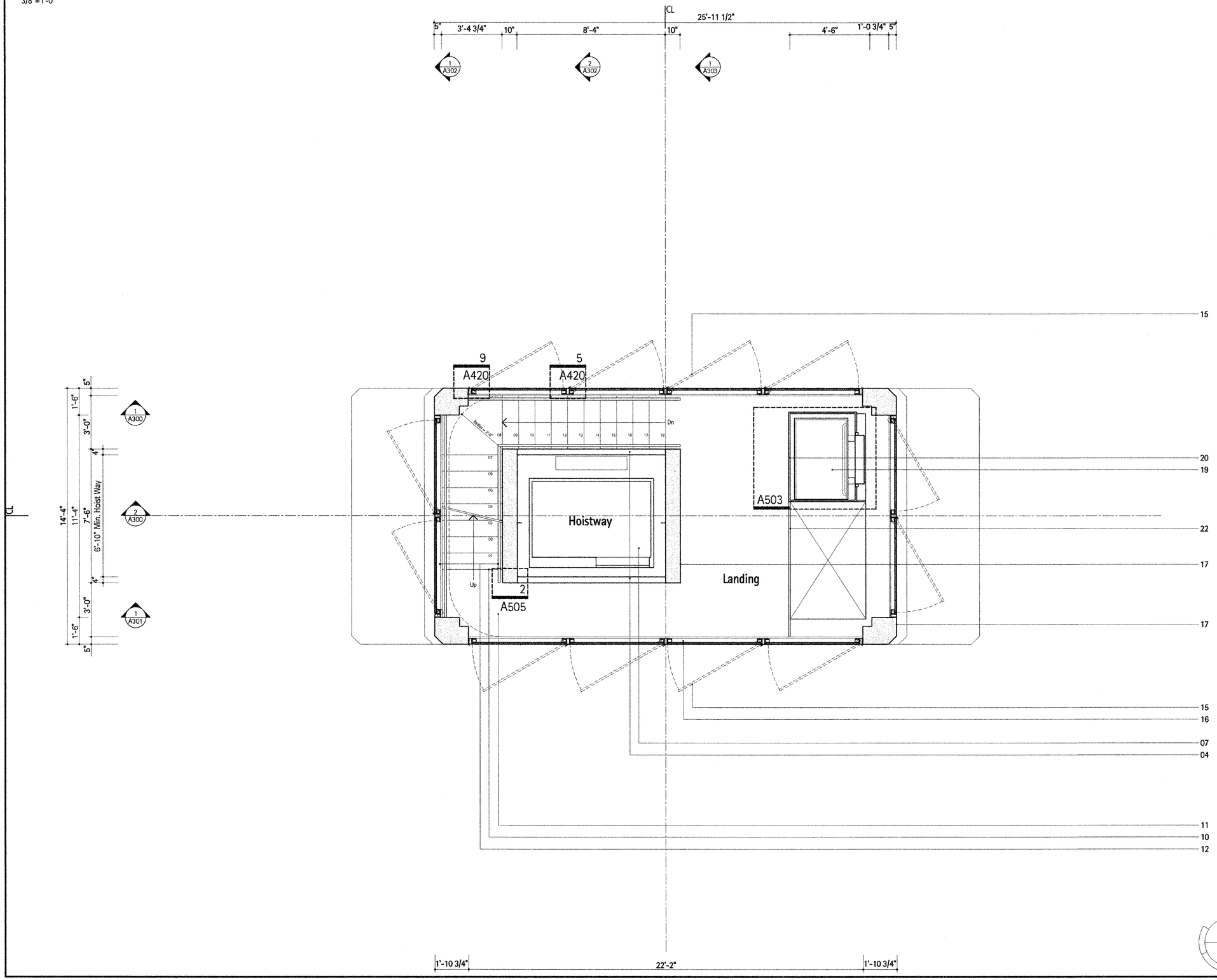
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - OBSERVATORY LOWER

SHEET NUMBER
A08
OF 43

1 Plan - Observatory Landing
3/8"=1'-0"



Legend Notes

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02	Open Steel Grating Stair Treads
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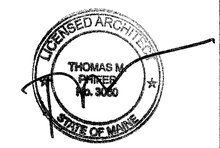
23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)



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A124

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

NUMBER	REVISIONS	BY	DATE
	W.J.SCHLEDER		
PROJ. MANAGER			
DESIGN-DETAILED	L.Logsdo	D.Cox	8-9-04
CHECKED-REVIEWED	L.Logsdo	D.Cox	10-15-04
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

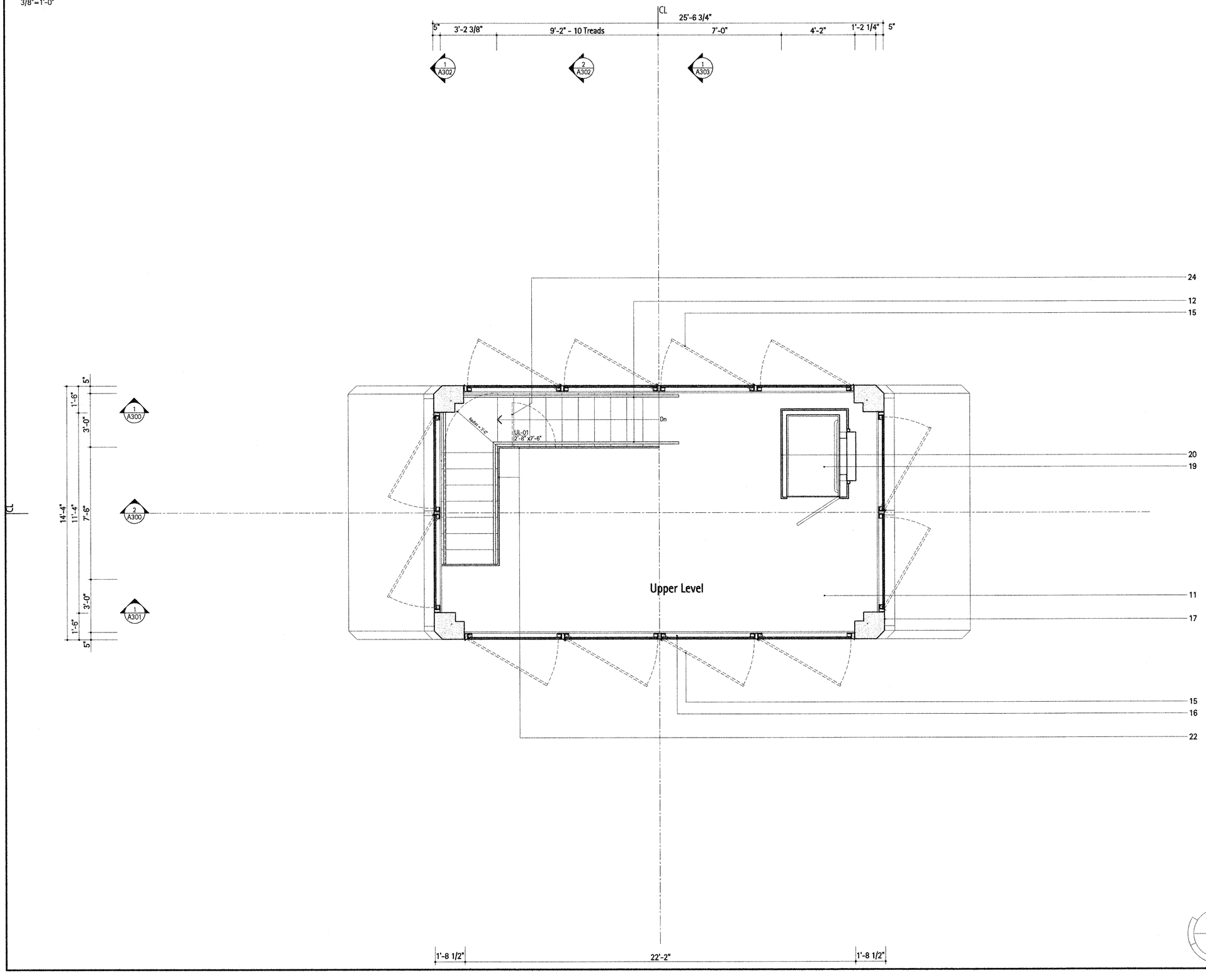
DATE

PROSPECT—VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - OBSERVATORY LANDING

SHEET NUMBER
A09
OF 43

1 Plan - Observatory Upper
3/8"=1'-0"



Legend Notes

01	Open Steel Grating - See Structural Dwgs.
02	Open Steel Grating Stair Treads
03	1.5" Painted Steel Tube Handrail And Support Brackets
04	2 HR Shaft Wall (Wall Type 1) See A31
05	Fire Exit Door With Panic Hardware
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07	Elevator Hoist Way, See VT01, VT02
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16	Outside Air Vents Above
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19	Vertical Platform Lift
20	Custom Stainless Steel And Glass Lift Enclosure - See A 502
21	Elevator Entrance, See VT01, VT02
22	42" High Glass Railing With Stainless Steel Top Rail
23	Open Metal Mesh Enclosure Panels See A501
24	2 Hour Rated Access Door See A32 (VT01) And A33 (VT02)

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A125

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	SIGNATURE	P.E. NUMBER	DATE

	BY	DATE
W.J.ROHLEDER		
L.Lojeski	D.Cox	9-9-04
L.Lojeski	D.Cox	10-15-04

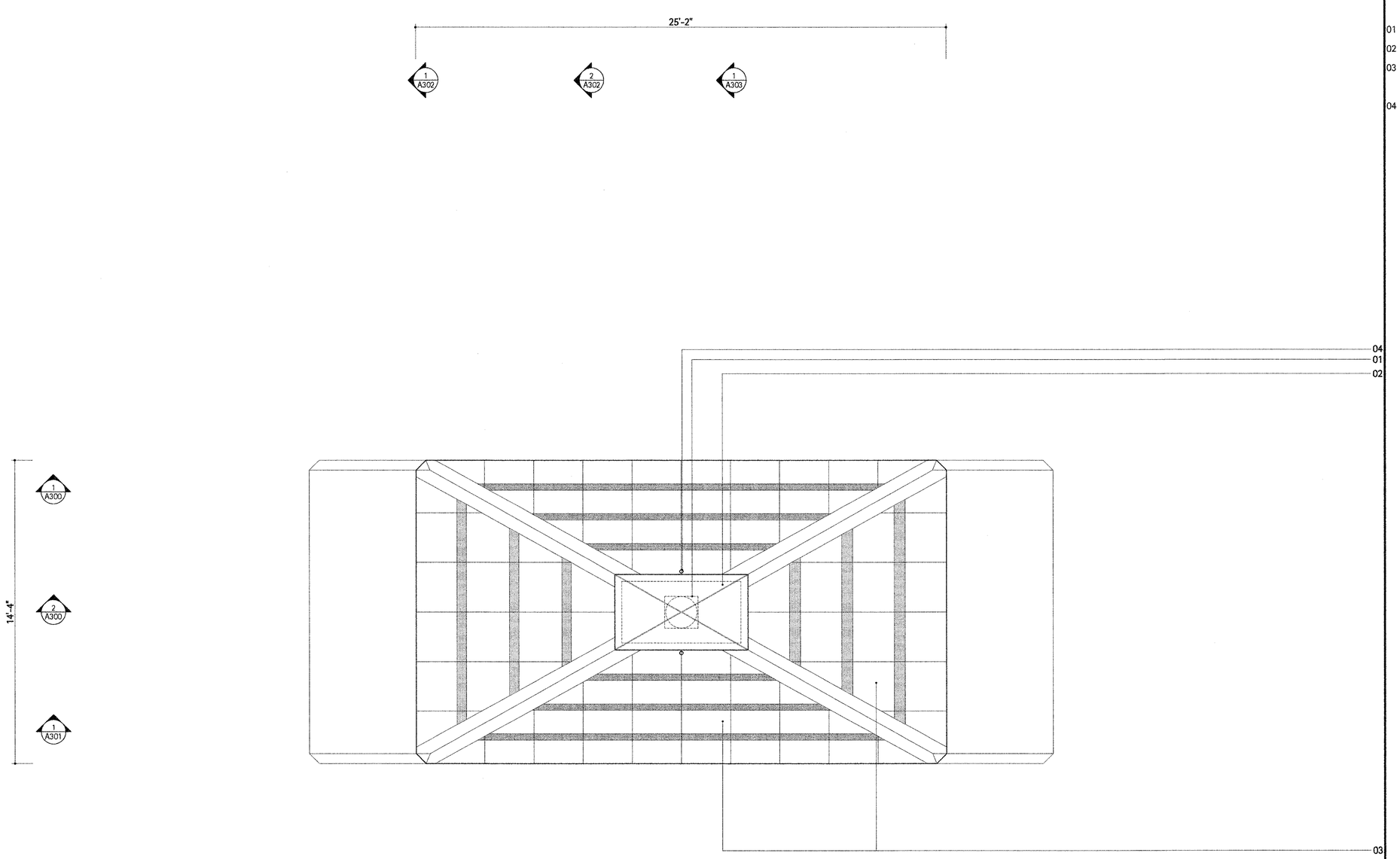
PROJ. MANAGER	
DESIGNED-DETAILED	
CHECKED-REVIEWED	
DESIGNED-DETAILED	
DESIGNED-DETAILED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - OBSERVATORY UPPER

SHEET NUMBER
A10
OF 43

1 Observatory Level
3/8"=1'-0"



Legend Notes

01 Aviation Beacon
02 Polycarbonate Roof Cap
03 Stainless Steel Roof Panels with Integral Storm Vent Louver
04 Lightning Protection

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A126

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Tallahassee, Florida 32301
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

SIGNATURE		
P.E. NUMBER		
DATE		

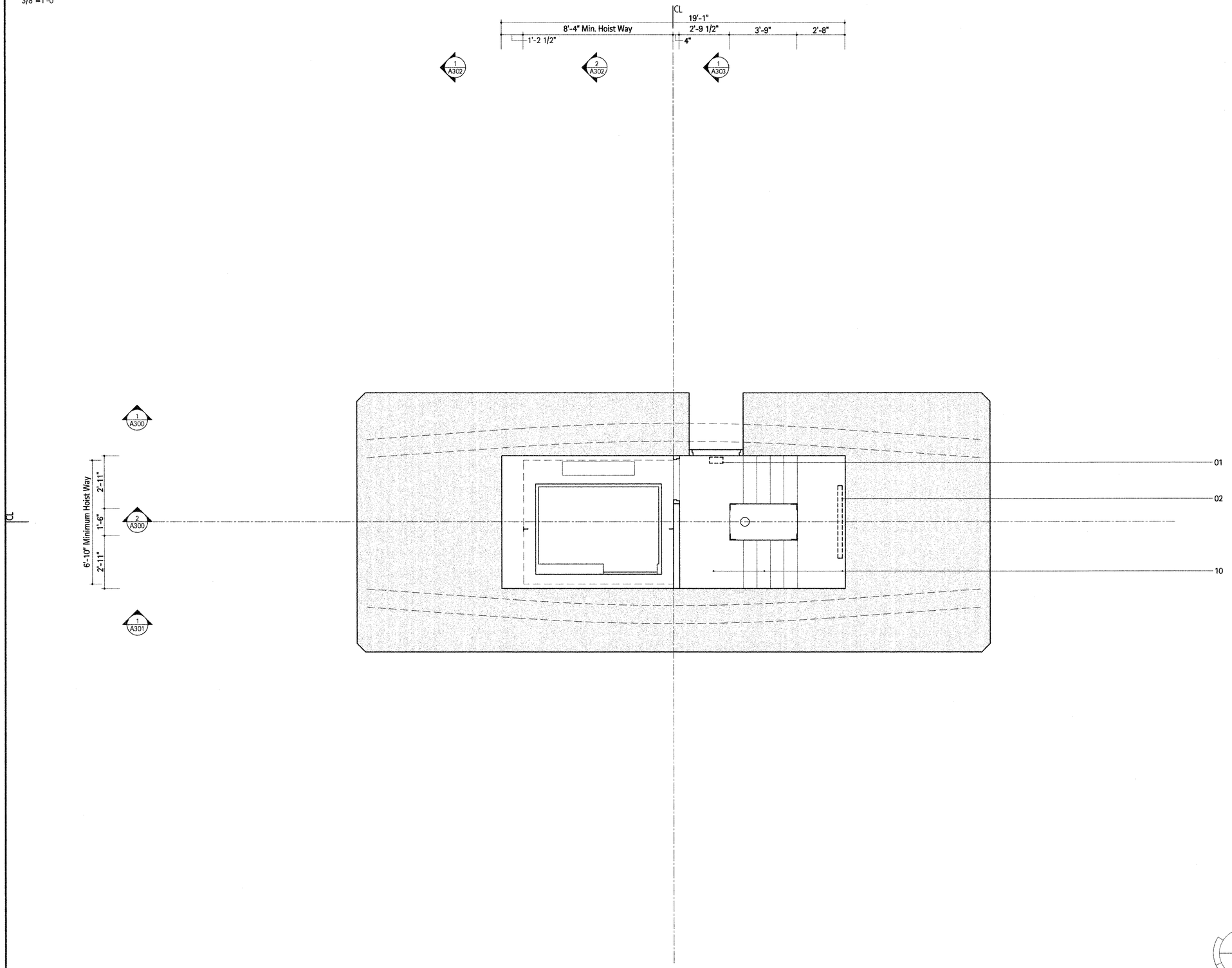
PROJ. MANAGER	W.J.RONLENDER	
DESIGNED/DETAILED	L.Lopata	8-9-24
CHECKED/REVIEWED	L.Lopata	10-15-24
DESIGNED/DETAILED	D.Cox	
DESIGNED/DETAILED	D.Cox	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PLAN - OBSERVATORY ROOF

SHEET NUMBER
A11
OF 43

1 Reflected Ceiling Plan - Pylon Road Level
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
03	Exposed Stair Above
04	2 HR Rated GWB Soffit
05	Aluminum Ceiling Panels, 8'-0" A.F.F.
06	HVAC Diffuser Slot
07	Architectural Lighting Fixture
08	GWB Painted
09	Access Panel
10	Exposed Steel Stairs and Landings
11	See Fire Protection Drawings for Sprinkler Location
12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56 BRIDGE PLANS
BRIDGE NO. 6421

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
DESIGN-DETAILED	L.Logsdo	8-8-04
CHECKED-REVIEWED	L.Logsdo	10-15-04
DESIGN-DETAILED2		
DESIGN-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

REFLECTED CEILING PLAN
PYLON ROAD LEVEL

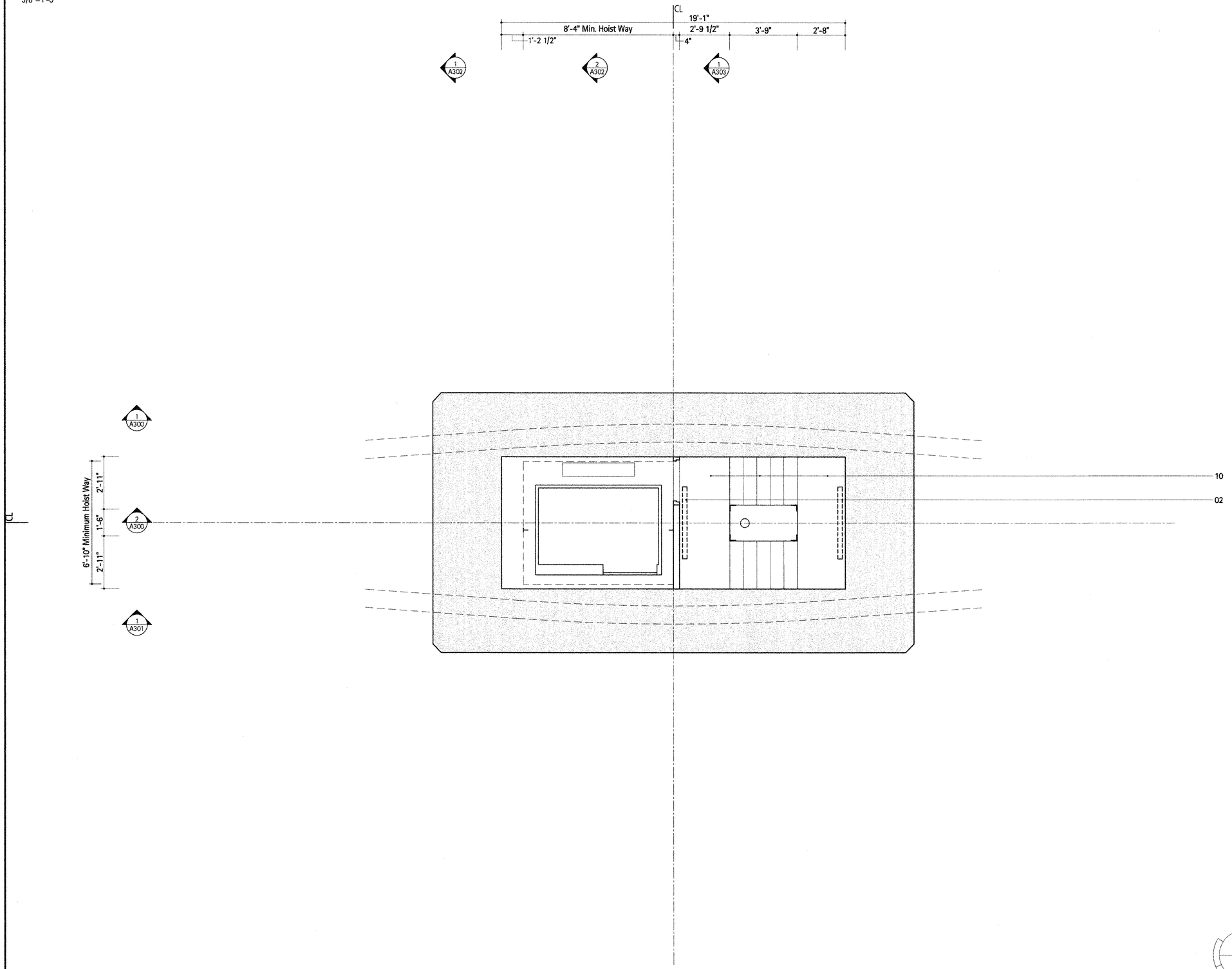
Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A130

SHEET NUMBER
A12
OF 43

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

1 Reflected Ceiling Plan - Pylon Typical
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
03	Exposed Stair Above
04	2 HR Rated GWB Soffit
05	Aluminum Ceiling Panels, 8'-0" A.F.F.
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07	Architectural Lighting Fixture
08	GWB Painted
09	Access Panel
10	Exposed Steel Stairs and Landings
11	See Fire Protection Drawings for Sprinkler Location
12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A131

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424 North Calhoun Street
Tallahassee, Florida 32301
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
DESIGNED/DETAILED	L.Lipstin	8-8-04
CHECKED/REVIEWED	L.Lipstin	10-15-04
DESIGNATE AS EOR		
DESIGNATE AS EOB		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

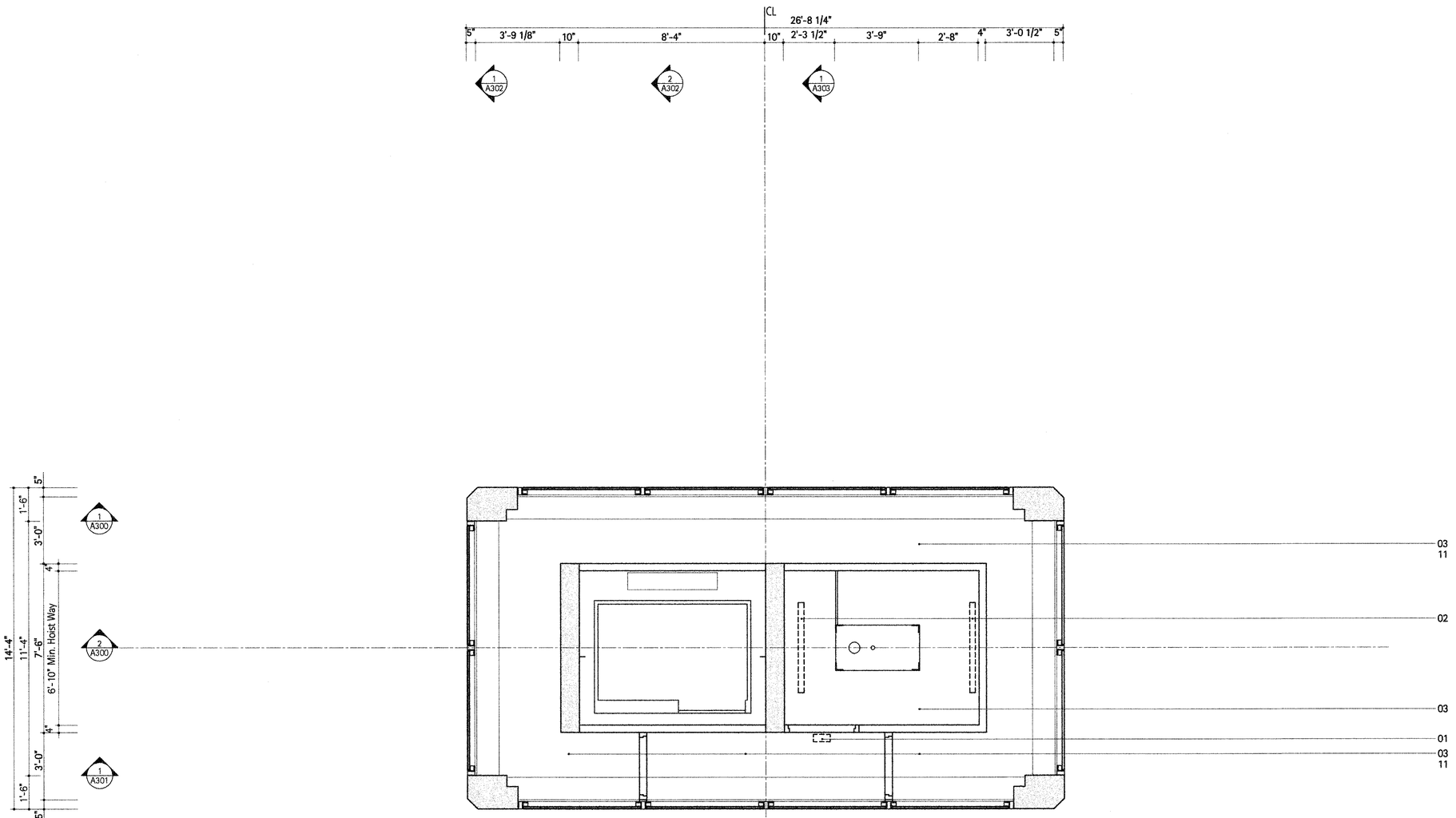
DATE

PROSPECT—VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

REFLECTED CEILING PLAN
PYLON TYPICAL

SHEET NUMBER
A13
OF 43

1 Reflected Ceiling Plan - Observatory Mechanical
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
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09	Access Panel
10	Exposed Steel Stairs and Landings
11	See Fire Protection Drawings for Sprinkler Location
12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A132

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Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

PROJ. MANAGER	W.J.ROHLEDER		
DESIGNED/DETAILED	L.Logsdo		
CHECKED/REVIEWED	L.Logsdo		
DESIGN3/DETAILED2			
DESIGN4/DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BY	DATE
D.Cox	9-8-04
D.Cox	10-15-04

SIGNATURE

P.E. NUMBER

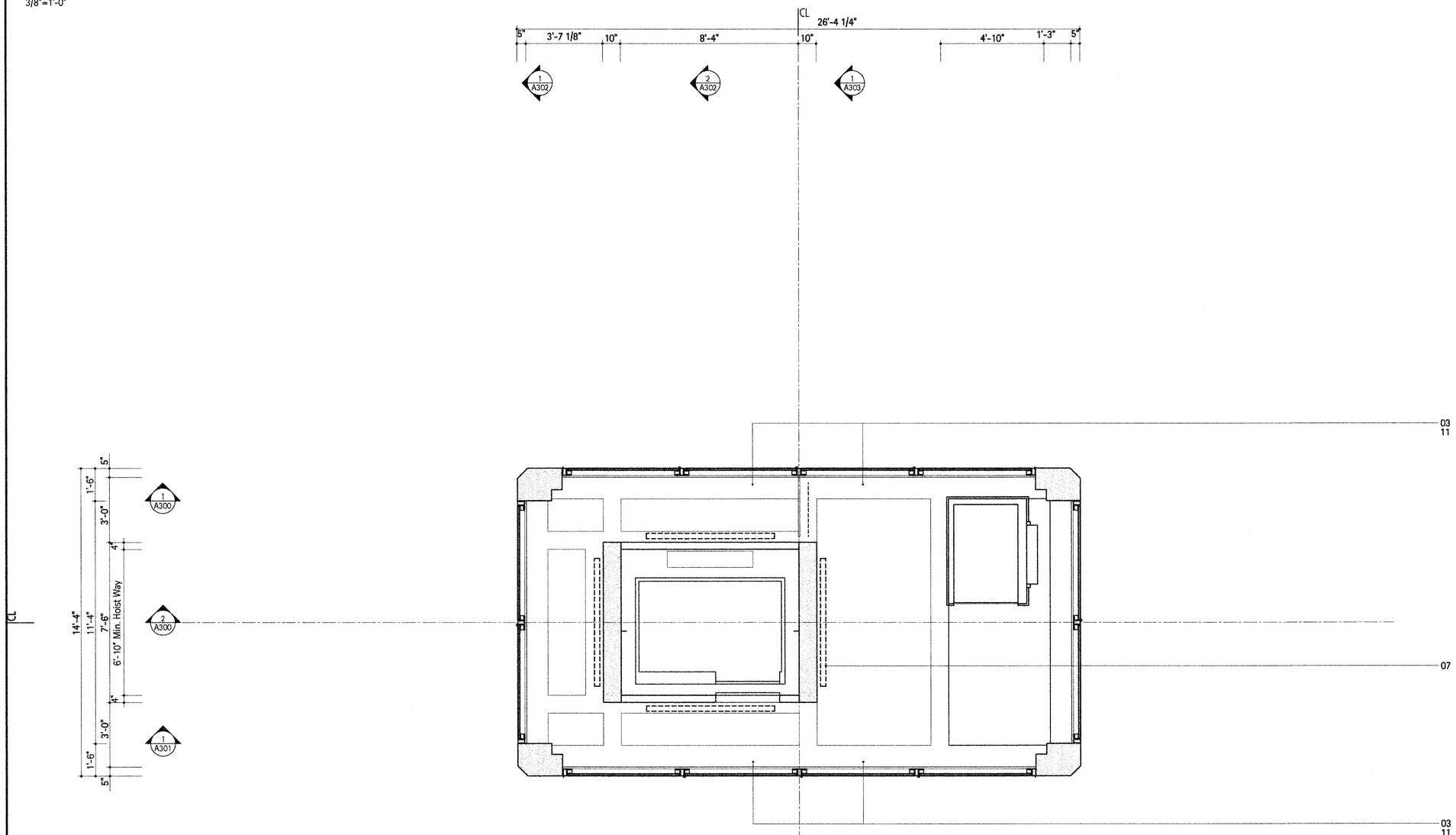
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

REFLECTED CEILING PLAN OBSERVATORY MECHANICAL

SHEET NUMBER
A14
OF 43

1 Reflected Ceiling Plan - Observatory Lower
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
03	Exposed Stair Above
04	2 HR Rated GWB Soffit
05	Aluminum Ceiling Panels, 8'-0" A.F.F.
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12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
DESIGN/DETAILED	L.Loyola	9-8-04
CHECKED/REVIEWED	D.Cox	10-15-04
DESIGN/DETAILED2	L.Loyola	
DESIGN/DETAILED3	D.Cox	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

REFLECTED CEILING PLAN OBSERVATORY LOWER

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

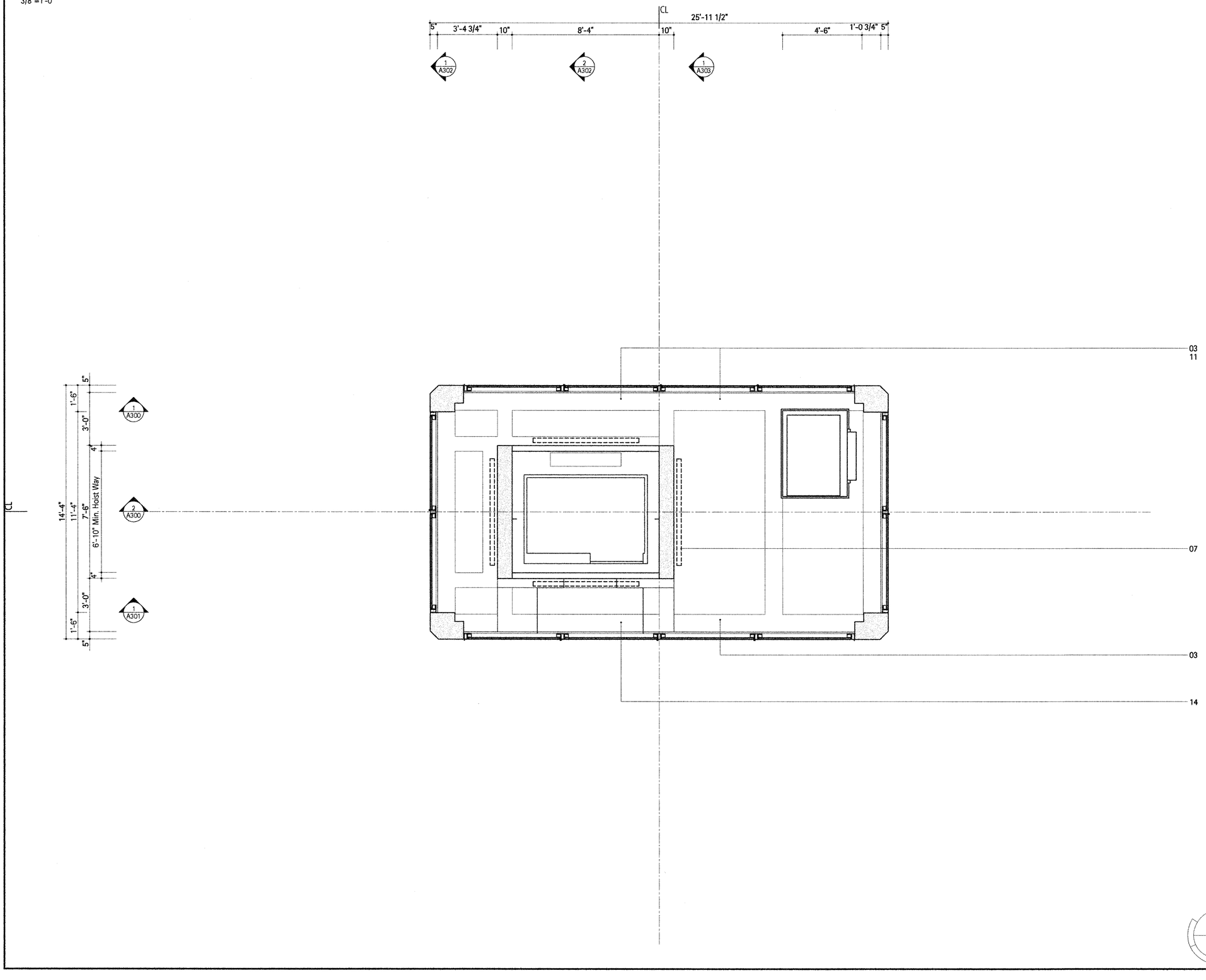
A133

SHEET NUMBER
A15
OF 43

N

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, FL • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

1 Reflected Ceiling Plan - Observatory Landing
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
03	Exposed Stair Above
04	2 HR Rated GWB Soffit
05	Aluminum Ceiling Panels, 8'-0" A.F.F.
06	HVAC Diffuser Slot
07	Architectural Lighting Fixture
08	GWB Painted
09	Access Panel
10	Exposed Steel Stairs and Landings
11	See Fire Protection Drawings for Sprinkler Location
12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.
14	Smoke Exhaust Plenum - See Mech Dwgs.

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 8650
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A134

N

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

	PROJ. MANAGER	W.J.ROHLEDER		
	DESIGNED/DETAILED	L.Lopata	D.Cox	9-AUG-04
	CHECKED/REVIEWED	L.Lopata	D.Cox	10-SEP-04
	DESIGN/DETAILED2			
	DESIGN/DETAILED3			
	REVISION 1			
	REVISION 2			
	REVISION 3			
	REVISION 4			
	FIELD CHANGES			

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

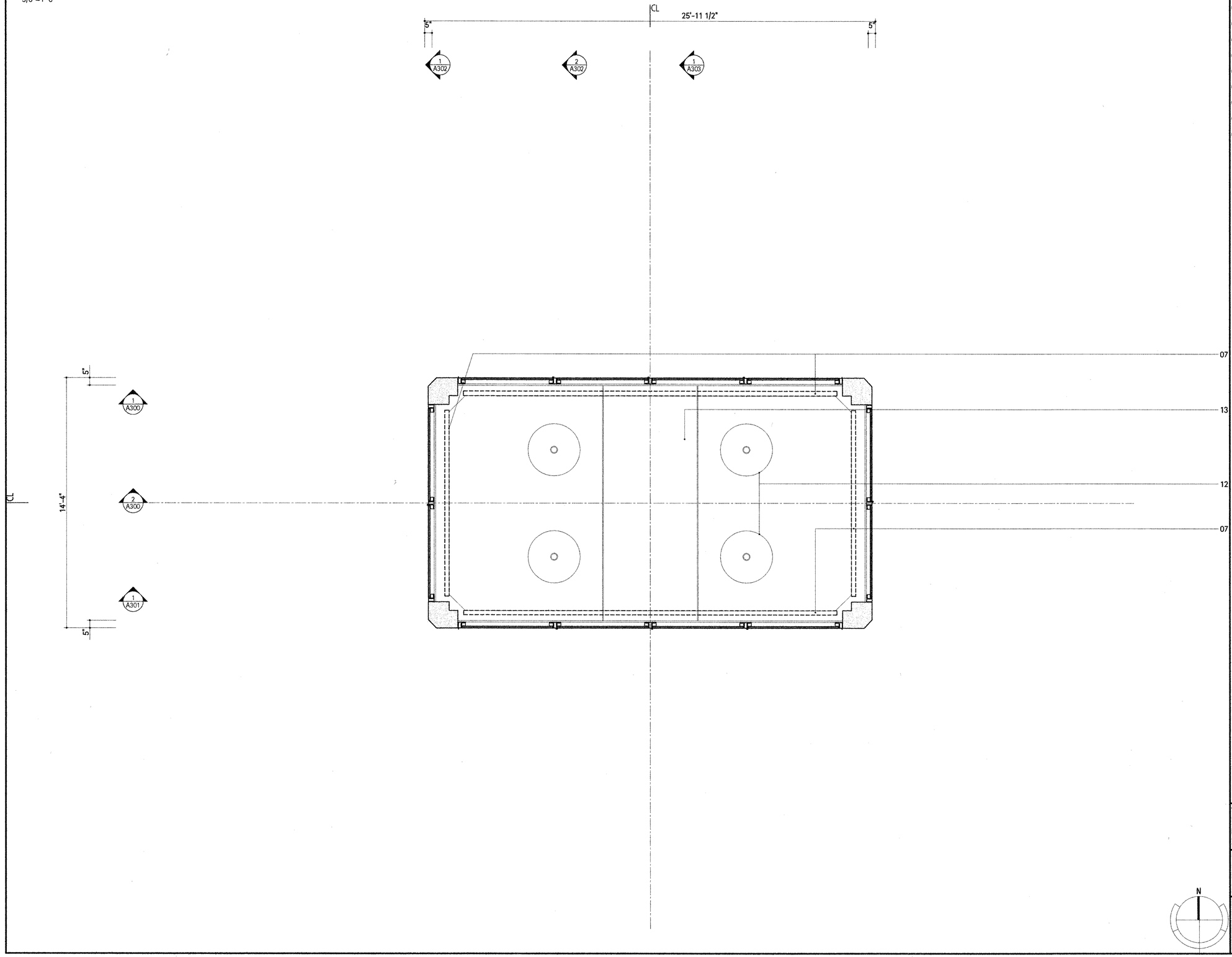
REFLECTED CEILING PLAN OBSERVATORY LANDING

SHEET NUMBER

A16

OF 43

1 Observatory Level
3/8"=1'-0"



Legend Notes

01	Exit Sign
02	Emergency Lighting
03	Exposed Stair Above
04	2 HR Rated GWB Soffit
05	Aluminum Ceiling Panels, 8'-0" A.F.F.
06	HVAC Diffuser Slot
07	Architectural Lighting Fixture (Above)
08	GWB Painted
09	Access Panel
10	Exposed Steel Stairs and Landings
11	See Fire Protection Drawings for Sprinkler Location
12	36" Circulator Fan
13	Platform Above - See Structural Dwgs.

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
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212 337 0334

A135

N

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

PROJ. MANAGER	W.JROHLEDER		
DESIGN-DETAILED	L.Lopata	D.Cox	9-9-04
CHECKED/REVIEWED	L.Lopata	D.Cox	10-15-04
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISION1			
REVISION2			
REVISION3			
REVISION4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

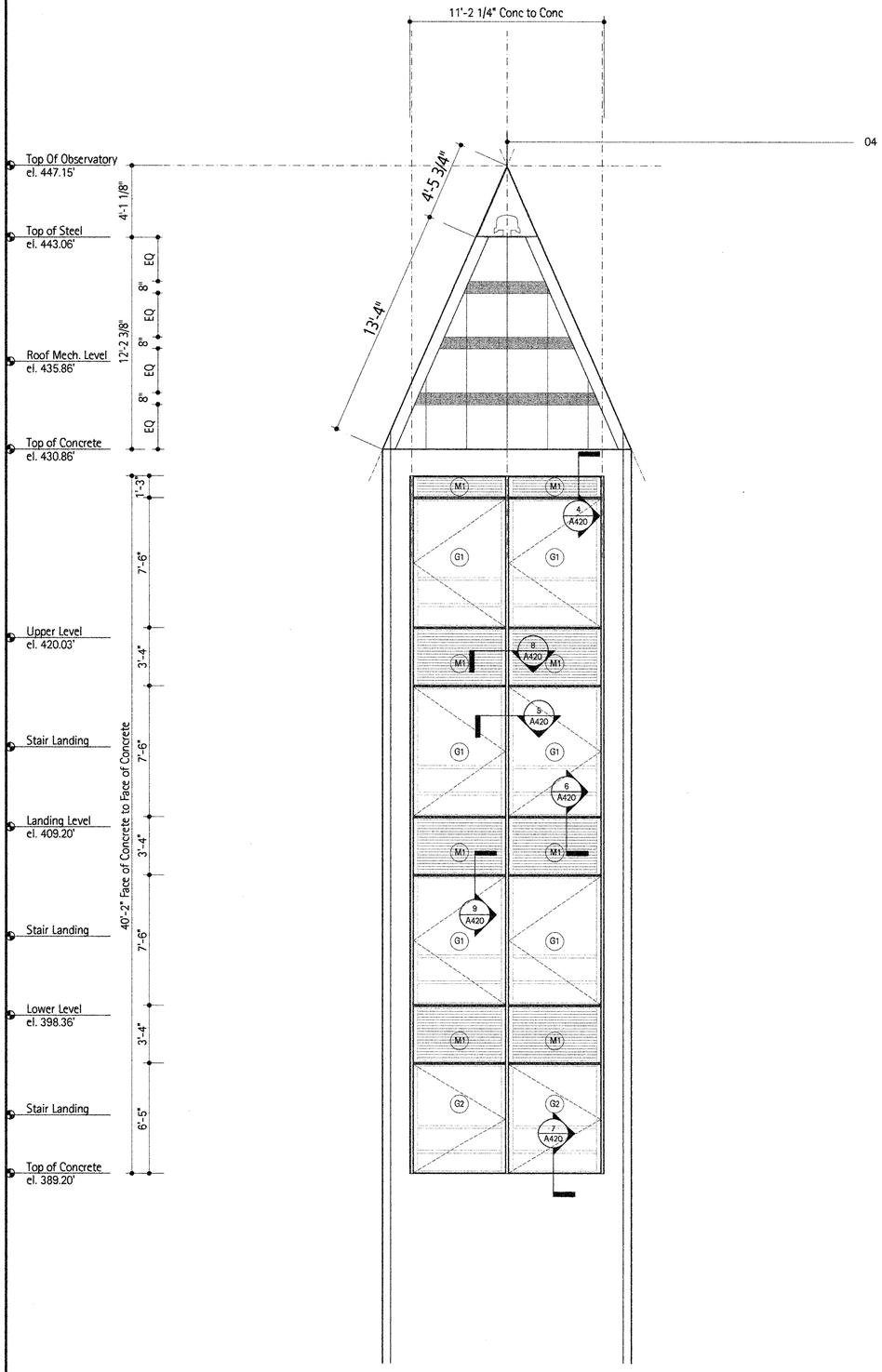
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

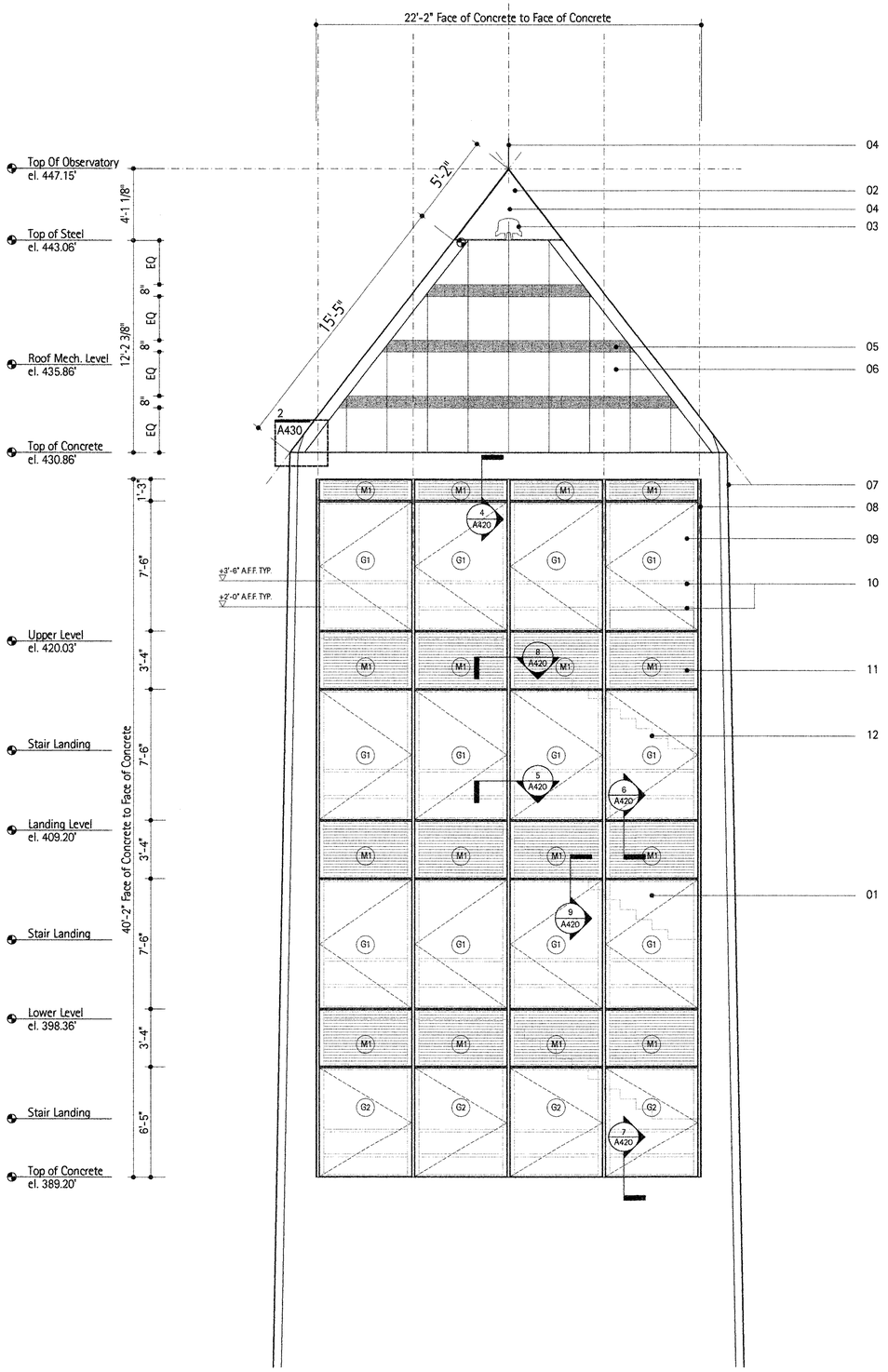
REFLECTED CEILING PLAN OBSERVATORY UPPER

SHEET NUMBER
A17
OF 43

1 East Elevation
1/4"=1'-0"



2 North Elevation
1/4"=1'-0"



Legend Notes

01	See Curtainwall Specification for Glass Type Description
02	Polycarbonate Cap
03	Light Beacon
04	Lightning Protection
05	Perforated Stainless Steel Panels
06	Stainless Steel Panels
07	Concrete Pier
08	Aluminum Framing Member (Typ.)
09	Glazing Unit - Operable (Typ.)
10	Rail Beyond
11	Mechanical Grill (Typ.)
12	Stair Beyond
13	Smoke Exhaust Plenum (Behind Louvers)
14	Louver Inactive Except At Required Smoke Exhaust Plenum (see Dtl. 9/A24)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	BY	DATE
SIGNATURE		
P.E. NUMBER		
DATE		
W.J.ROHLESER		
PAUL MANAGER		
DESIGN-DETAILED	L.Lopata	9-9-04
CHECKED-REVIEWED	L.Lopata	D.Cox
DESIGN2-DETAILED2	L.Lopata	10-15-04
DESIGN3-DETAILED3	D.Cox	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

ELEVATION - OBSERVATORY

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A200

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424 North Calhoun Street
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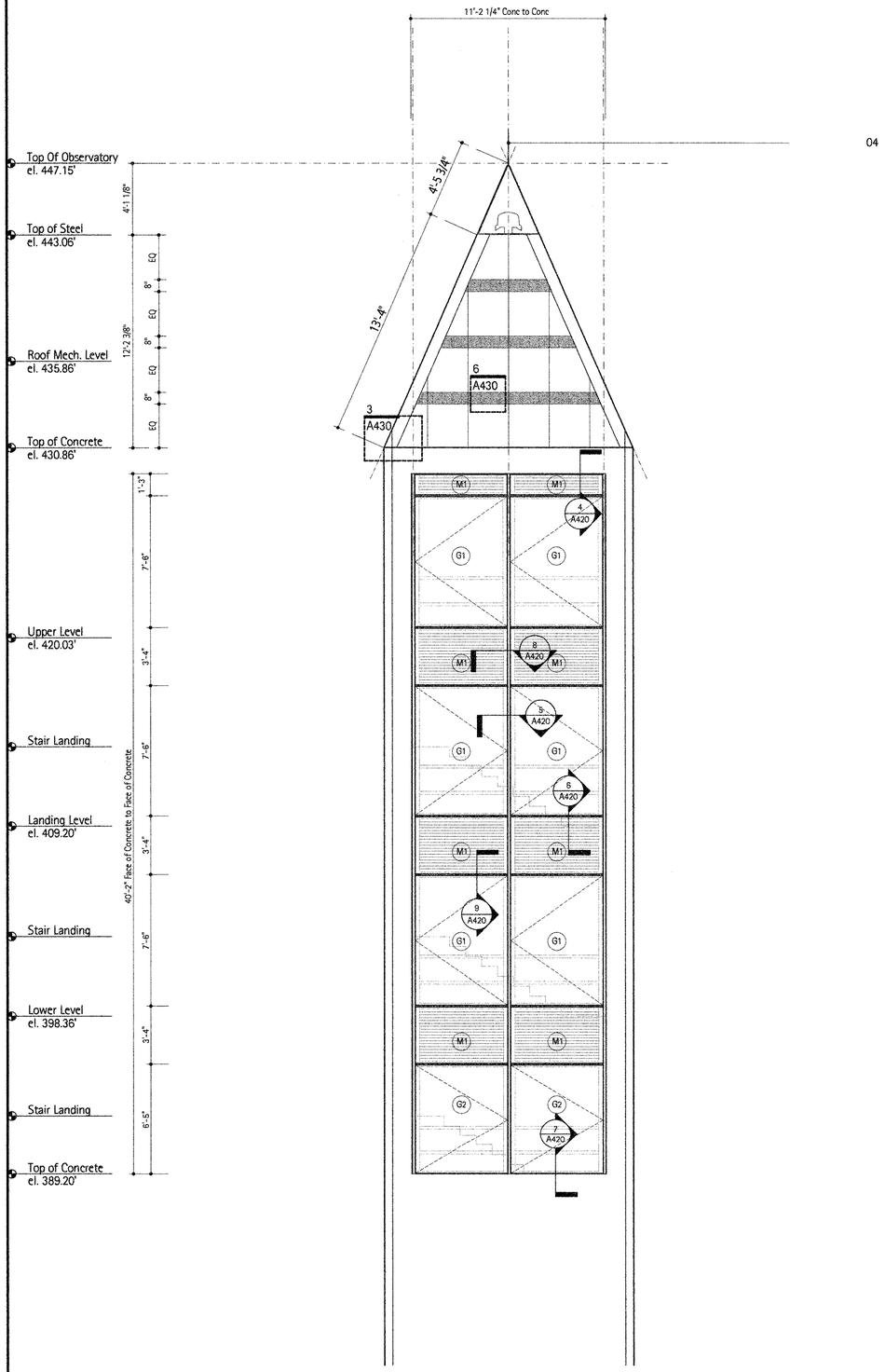
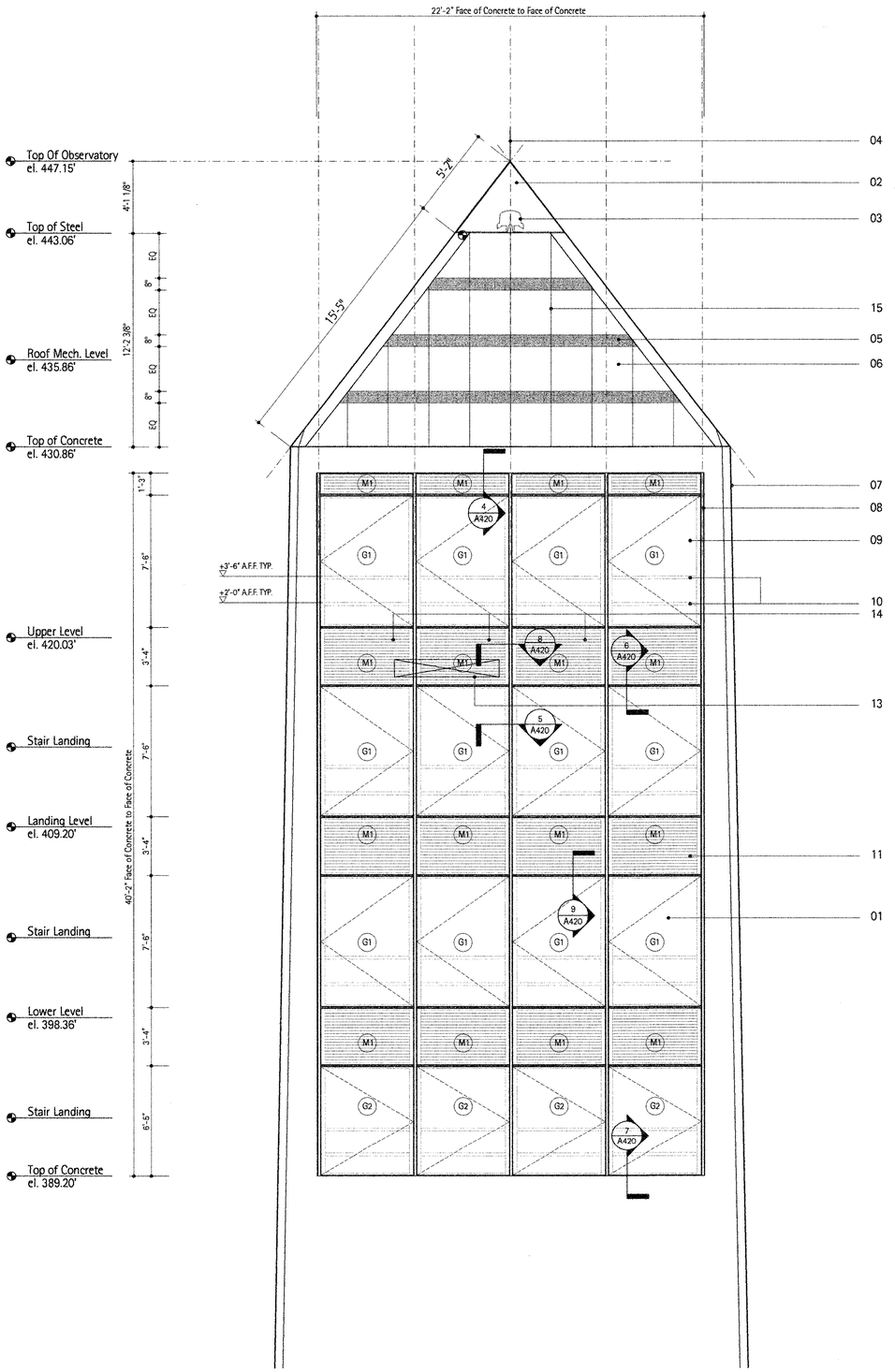
SHEET NUMBER
A18
OF 43

1 West Elevation
1/4"=1'-0"



2 South Elevation
1/4"=1'-0"



Legend Notes

01	See Curtainwall Specification for Glass Type Description
02	Polycarbonate Cap
03	Light Beacon
04	Lightning Protection
05	Perforated Stainless Steel Panels
06	Stainless Steel Panels
07	Concrete Pier
08	Aluminum Framing Member (Typ.)
09	Glazing Unit - Operable (Typ.)
10	Rail Beyond
11	Mechanical Grill (Typ.)
12	Stair Beyond
13	Smoke Exhaust Plenum (Behind Louvers) See Mechanical Sheet A37
14	Louver Inactive Except At Required Smoke Exhaust Plenum (see Dtl. 9/A24)
15	S.S. Roofing Flat Seam Joint

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
DESIGNED-DETAILED	L.Lopata	9-9-04
CHECKED-REVIEWED	L.Lopata	10-15-04
DESIGNED-DETAILED		
DESIGNED-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3980
STATE OF MAINE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

ELEVATION - OBSERVATORY

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A201

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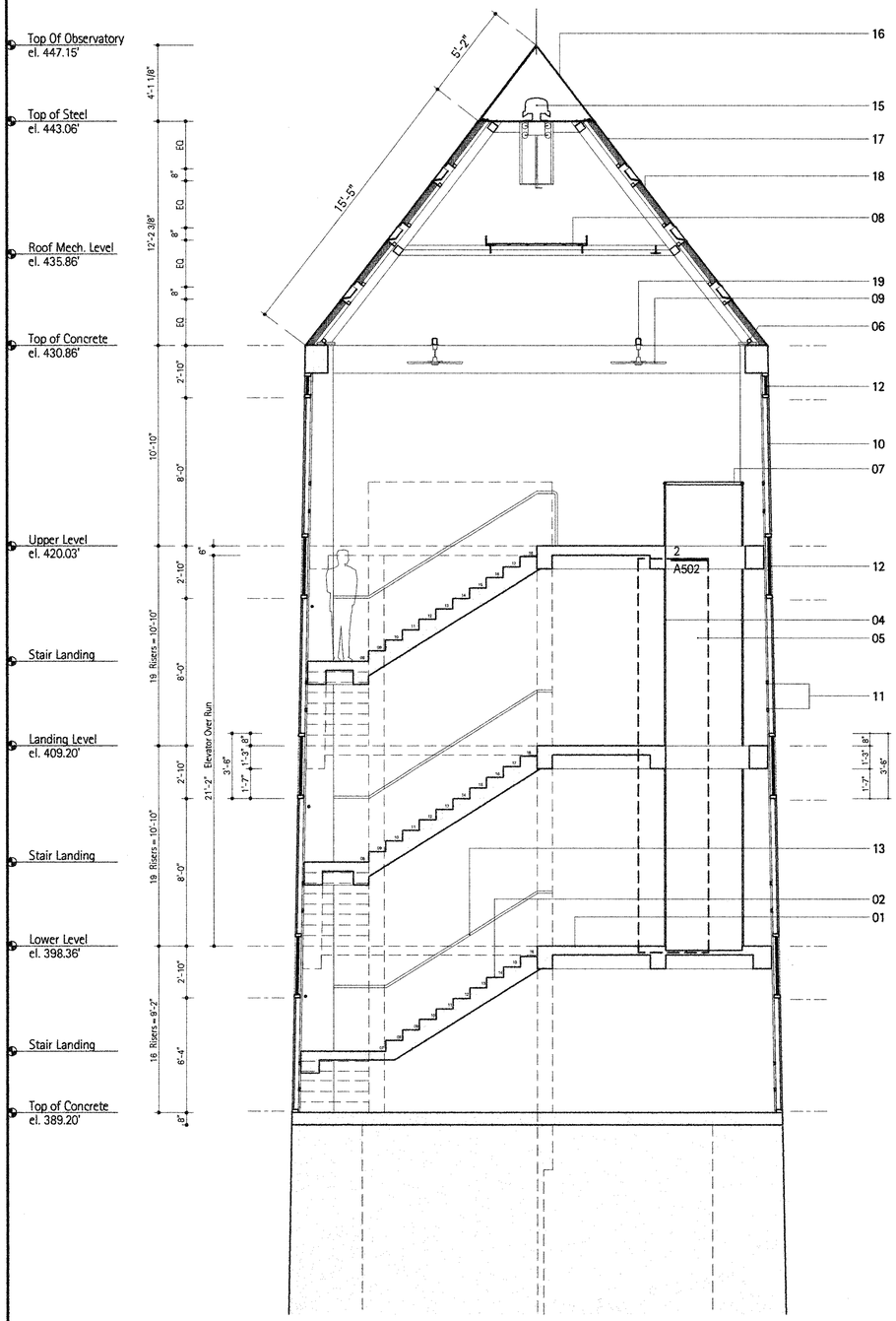
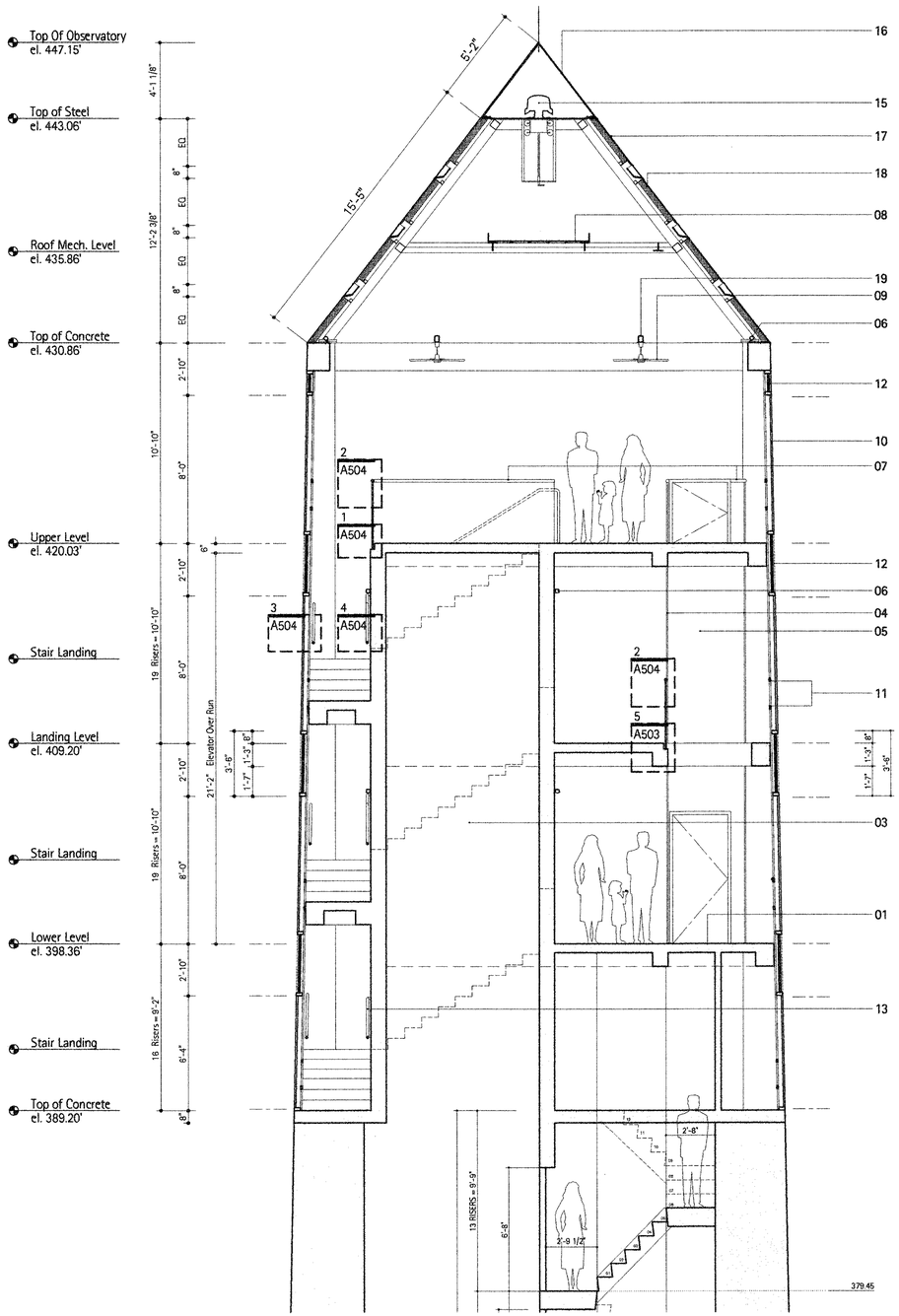
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER
A19
OF 43

1 Section
1/4"=1'-0"



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



Legend Notes

01 Concrete Floor Slab and Beam
02 Concrete Stair
03 Elevator Hoistway
04 Custom Stainless Steel and Glass Lift Enclosure
05 Vertical Platform Lift
06 Architectural Lighting Fixture
07 Glass and Stainless Steel Guardrail
08 12"w. Steel Grating Planks
09 Circulating Fans
10 Operable Curtain Wall Unit
11 Perimeter Aluminum Guardrails
12 Storm Vent Louver with Perforated Metal Exterior Panel
13 Stainless Steel Handrail
14 Air Terminal For Lightning Protection
15 Aviation Beacon
16 Polycarbonate Roof Cap
17 Stainless Steel Roof Panels With Integral Roof Vent
18 Rigid Insulation
19 Steel Tube Beam w/ Power and Controls Inside For Fans

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3060
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A300

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Tallahassee, Florida 32301
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	W.J.ROHLEDER	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	L.Lopata	D.Cox	9-9-04
CHECKED/REVIEWED	L.Lopata	D.Cox	10-15-04
DESIGNS-DETAILED2			
DESIGNS-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

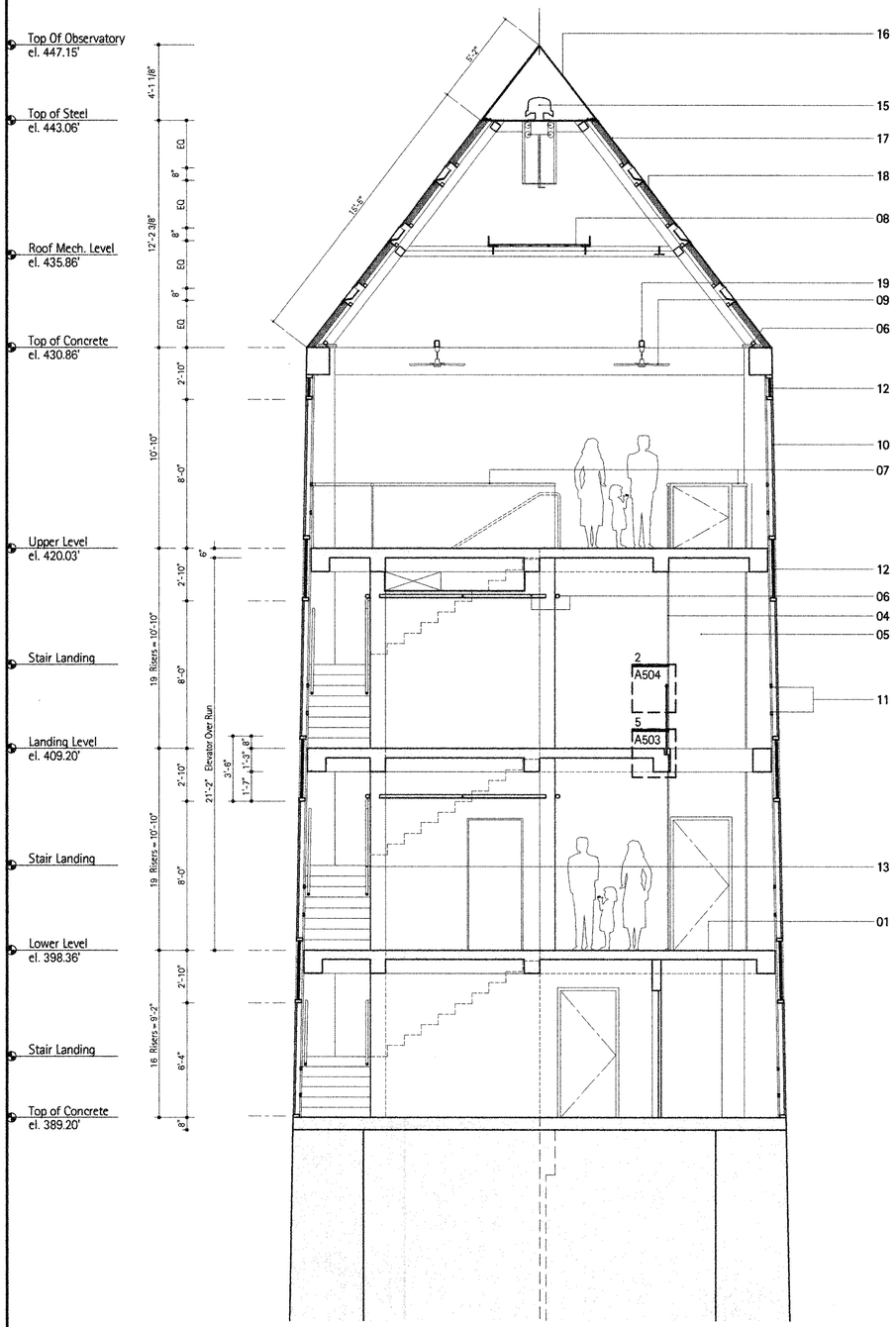
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

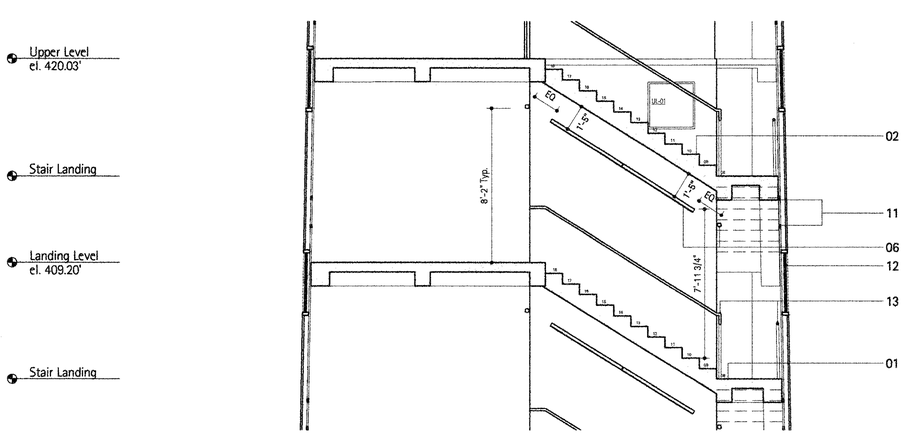
SECTION - OBSERVATORY

SHEET NUMBER
A20
OF 43

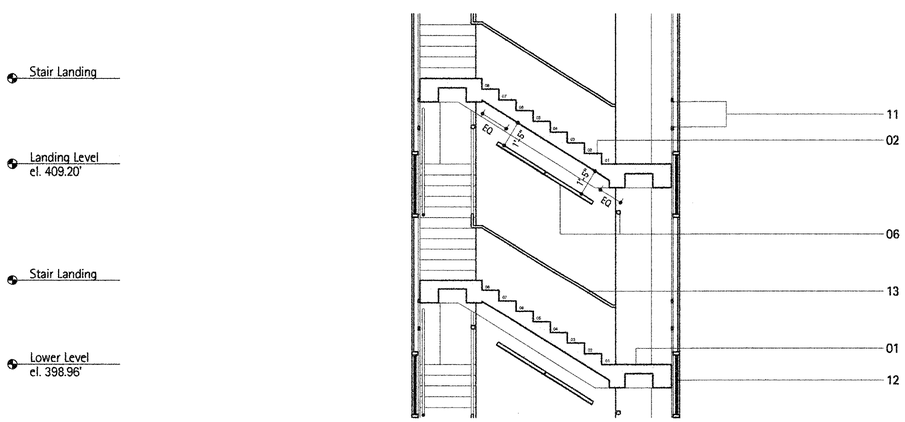
1 Section
1/4"=1'-0"



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



3 Section
1/4"=1'-0"



Legend Notes

01 Concrete Floor Slab and Beam
02 Concrete Stair
03 Elevator Hoistway
04 Custom Stainless Steel and Glass Lift Enclosure
05 Vertical Platform Lift
06 Architectural Lighting Fixture
07 Glass and Stainless Steel Guardrail
08 12"w. Steel Grating Planks
09 Circulating Fans
10 Operable Curtain Wall Unit
11 Perimeter Aluminum Guardrails
12 Storm Vent Louver with Perforated Metal Exterior Panel
13 Stainless Steel Handrail
14 Air Terminal For Lightning Protection
15 Aviation Beacon
16 Polycarbonate Roof Cap
17 Stainless Steel Roof Panels With Integral Roof Vent
18 Rigid Insulation
19 Steel Tube Beam w/ Power and Controls Inside For Fans

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A301

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	W.J.ROHLEGER	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	L.Lopata	D.Cox	9-9-04
CHECKED-REVIEWED	L.Lopata	D.Cox	10-15-04
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

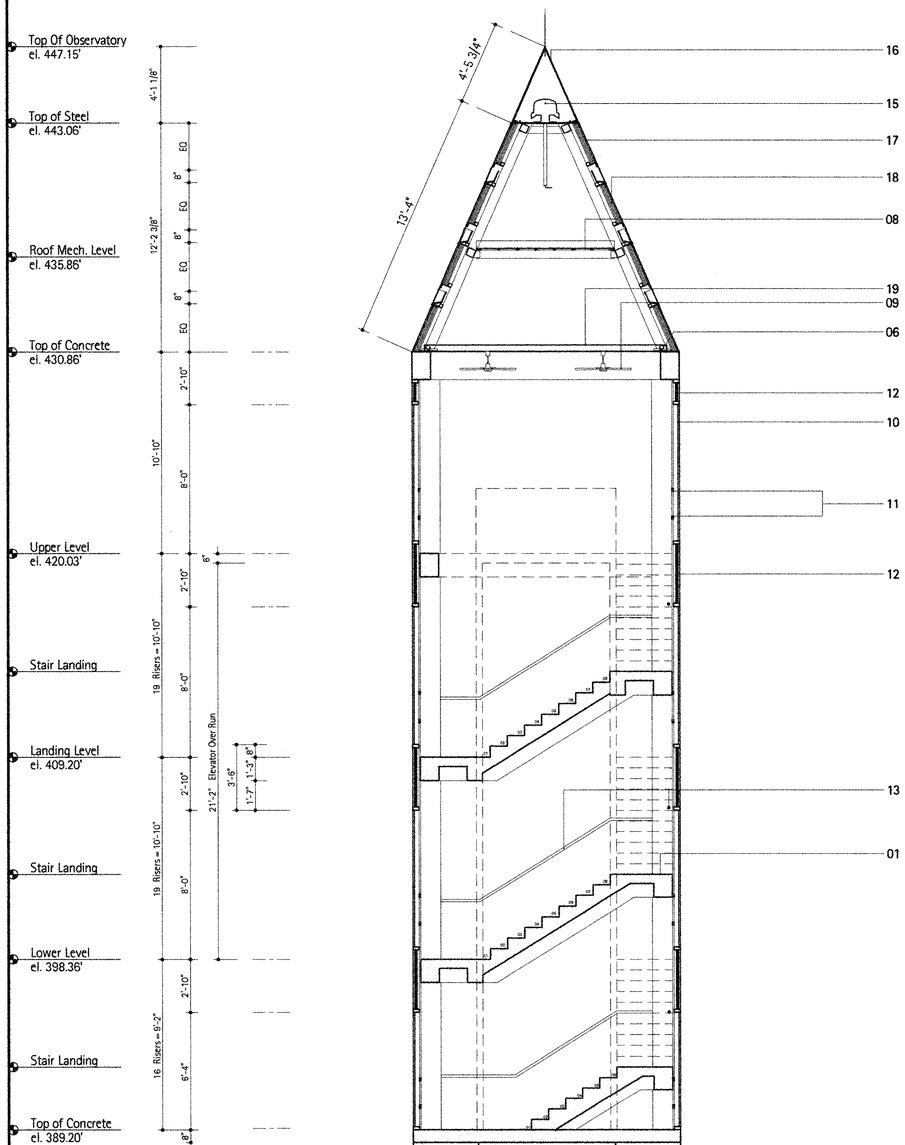
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

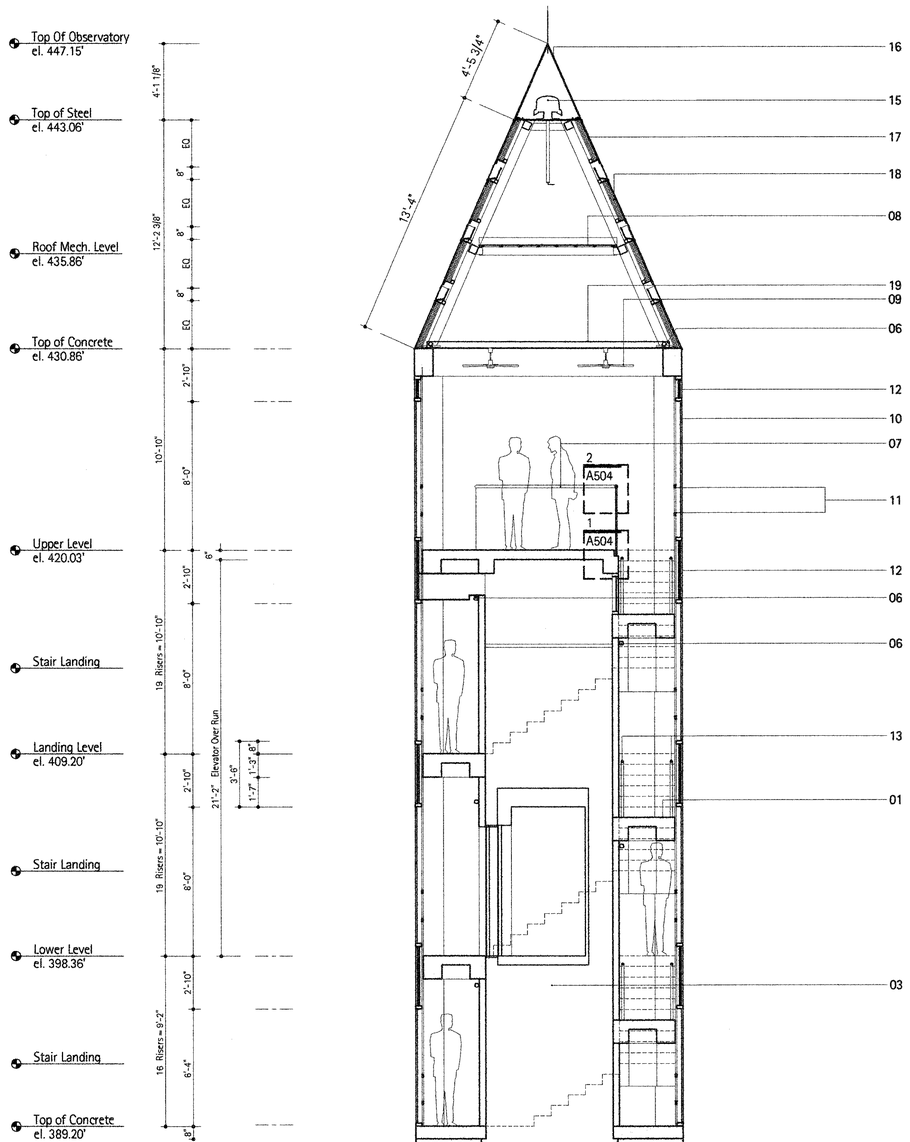
SECTION - OBSERVATORY

SHEET NUMBER
A21
OF 43

1 Section
1/4"=1'-0"



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



Legend Notes

01 Concrete Floor Slab and Beam
02 Concrete Stair
03 Elevator Hoistway
04 Custom Stainless Steel and Glass Lift Enclosure
05 Vertical Platform Lift
06 Architectural Lighting Fixture
07 Glass and Stainless Steel Guardrail
08 12"w. Steel Grating Planks
09 Circulating Fans
10 Operable Curtain Wall Unit
11 Perimeter Aluminum Guardrails
12 Storm Vent Louver with Perforated Metal Exterior Panel
13 Stainless Steel Handrail
14 Air Terminal For Lightning Protection
15 Aviation Beacon
16 Polycarbonate Roof Cap
17 Stainless Steel Roof Panels With Integral Roof Vent
18 Rigid Insulation
19 Steel Tube Beam w/ Power and Controls Inside For Fans

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	BY	DATE
SIGNATURE		
P.E. NUMBER		
DATE		

	W.J.RAHLEDER
PROJ. MANAGER	
DESIGNED-DETAILED	L.Lopata
CHECKED-REVIEWED	L.Lopata
DESIGNED-DETAILED2	
DESIGNED-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

SECTION - OBSERVATORY

LICENSED ARCHITECT
THOMAS M. PHIFER No. 3060
STATE OF MAINE

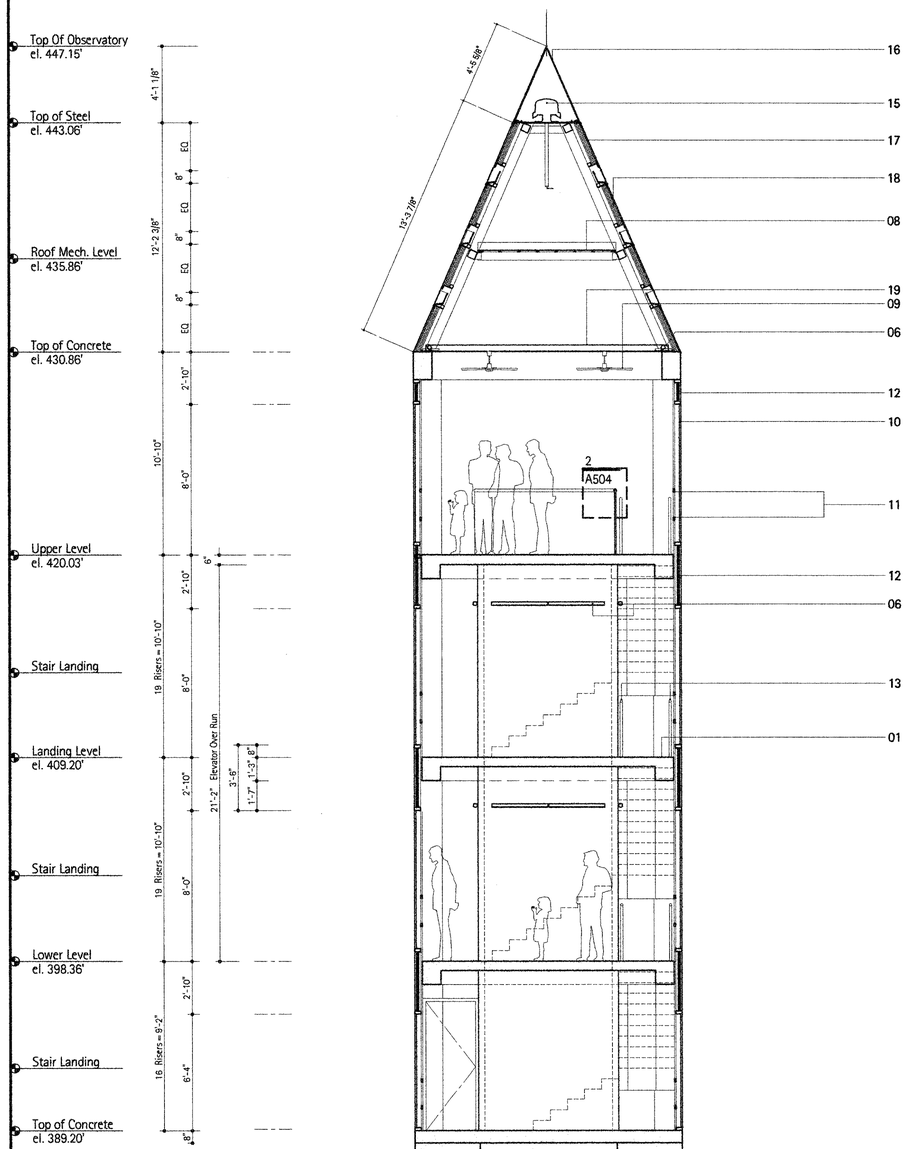
Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A302

SHEET NUMBER
A22
OF 43

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

1 Section
1/4"=1'-0"



Legend Notes

01	Concrete Floor Slab and Beam
02	Concrete Stair
03	Elevator Hoistway
04	Custom Stainless Steel and Glass Lift Enclosure
05	Vertical Platform Lift
06	Architectural Lighting Fixture
07	Glass and Stainless Steel Guardrail
08	12"w. Steel Grating Planks
09	Circulating Fans
10	Operable Curtain Wall Unit
11	Perimeter Aluminum Guardrails
12	Storm Vent Louver with Perforated Metal Exterior Panel
13	Stainless Steel Handrail
14	Air Terminal For Lightning Protection
15	Aviation Beacon
16	Polycarbonate Roof Cap
17	Stainless Steel Roof Panels With Integral Roof Vent
18	Rigid Insulation
19	Steel Tube Beam w/ Power and Controls Inside For Fans

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3000
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A303

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424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	W.JROHLEDER		
DESIGNED/DETAILED	L.Lopata	D.Cox	9-9-04
CHECKED/REVIEWED	L.Lopata	D.Cox	10-15-04
DESIGNS DETAILED2			
DESIGNS DETAILED3			
DESIGNS DETAILED4			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

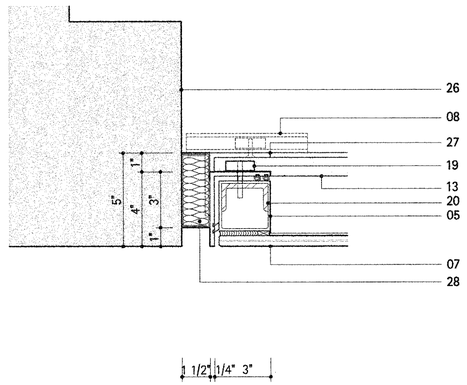
DATE

PROSPECT—VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

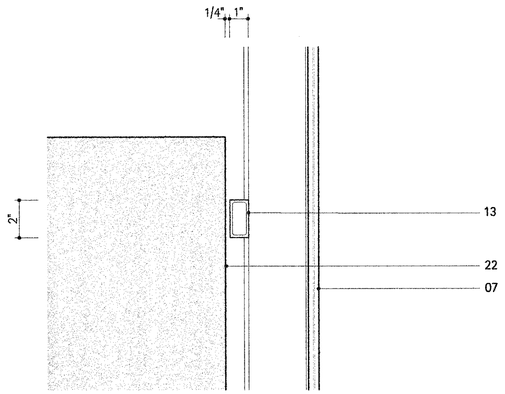
SECTION - OBSERVATORY

SHEET NUMBER
A23
OF 43

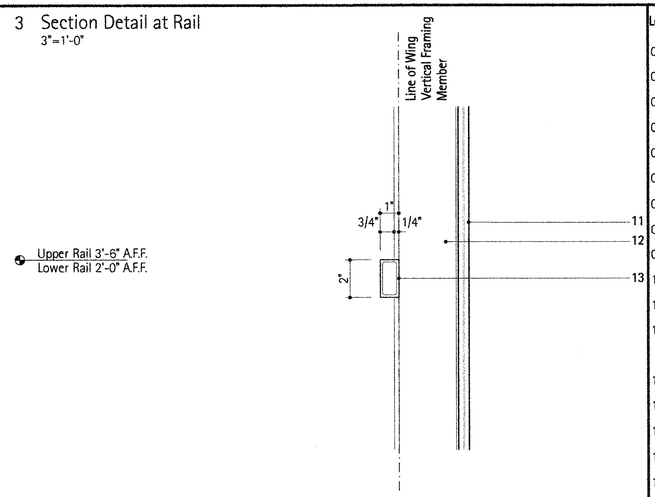
1 Plan Detail at Curtainwall/Concrete
3"=1'-0"



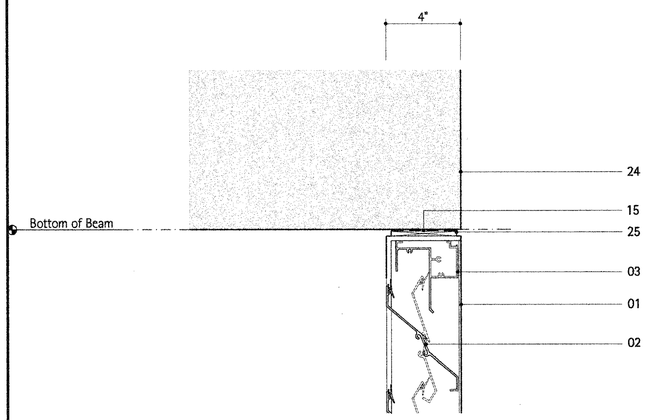
2 Section Detail at Rail/Stair
3"=1'-0"



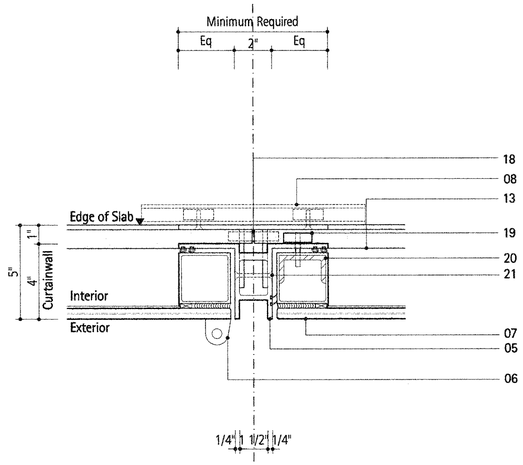
3 Section Detail at Rail
3"=1'-0"



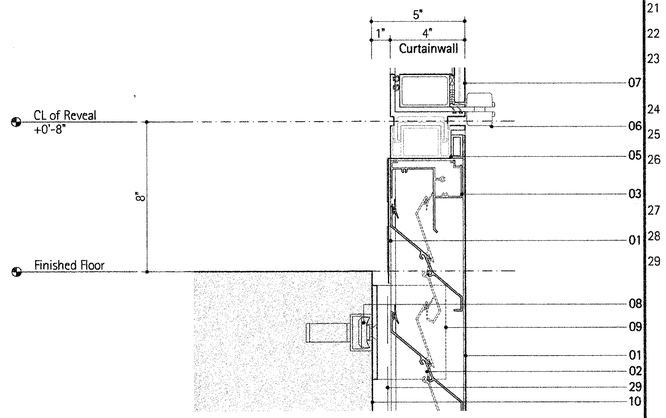
4 Section Detail at Curtainwall Head
3"=1'-0"



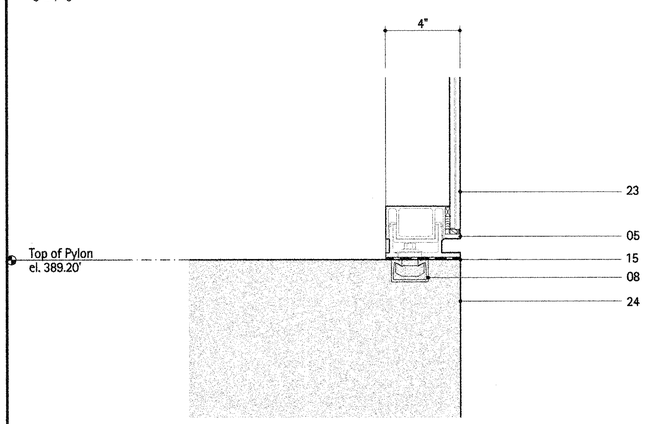
5 Plan Detail at Vertical Mullion/Vent
3"=1'-0"



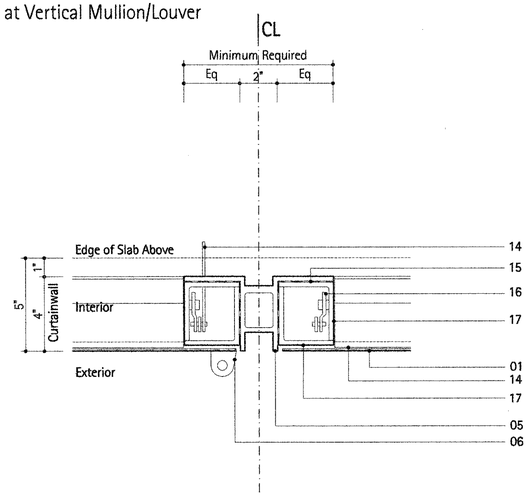
6 Section Detail at Top of Slab
3"=1'-0"



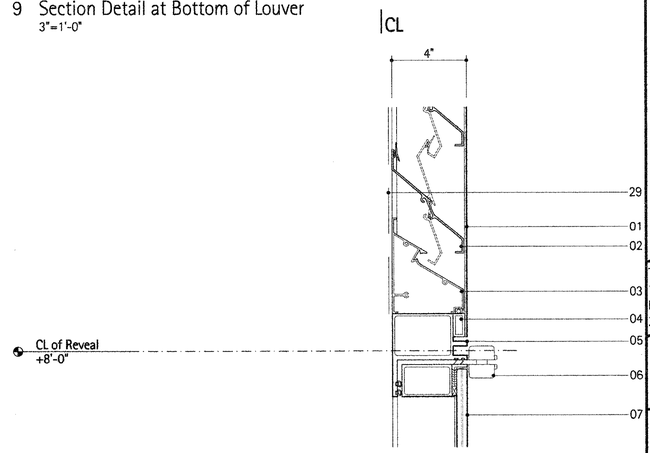
7 Section Detail at Curtainwall Base
3"=1'-0"



8 Plan Detail at Vertical Mullion/Louver
3"=1'-0"



9 Section Detail at Bottom of Louver
3"=1'-0"



Legend Notes

01	Perforated Aluminum Panel
02	Operable Storm Louver
03	Louver Frame
04	Aluminum Frame
05	Aluminum Framing Member
06	Pivot Hinge
07	Structurally Glazed Operable Vent
08	Curtainwall Anchor
09	Anchor Attached to Vertical
10	Edge of Slab
11	Glass
12	Aluminum Vertical Framing Member Beyond
13	1"x2" Aluminum Rail
14	Manual Louver Adjustor
15	Waterproofing
16	Operable Vent Hardware
17	Aluminum Angle
18	Rail Connector
19	Keyed Latch
20	Steel (As Required)
21	Anchor Connection to Vertical
22	Edge of Stair
23	Fritted Glass
	See Curtainwall Specifications
24	Face of Concrete Pylon
25	Shim as Required
26	Concrete
	See Structural Drawings
27	Anchor
28	Insulation
29	Solid Metal Panel Where Required By Inactive Louvers (See A19 and Mechanical Drawings for Locations)

Thomas Phifer and Partners
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A420

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN
BRIDGE NO. 8421 **7965.55, 7965.56**

	BY	DATE
W.J.ROHLEDER		
PROJ. MANAGER	D.Cox	8-9-04
DESIGNED-DETAILED	L.Lopata	10-15-04
CHECKED-REVIEWED	L.Lopata	
DESIGNED-DETAILED2		
DESIGNED-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

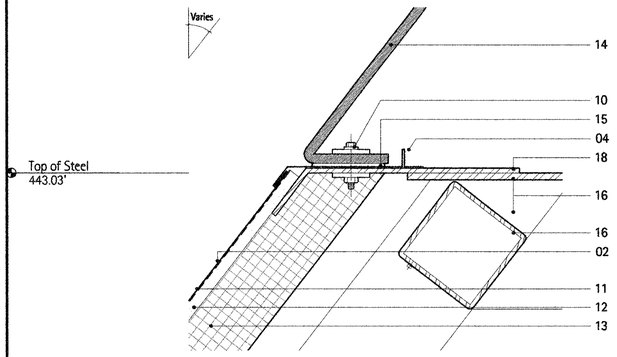
FACADE DETAILS

SHEET NUMBER

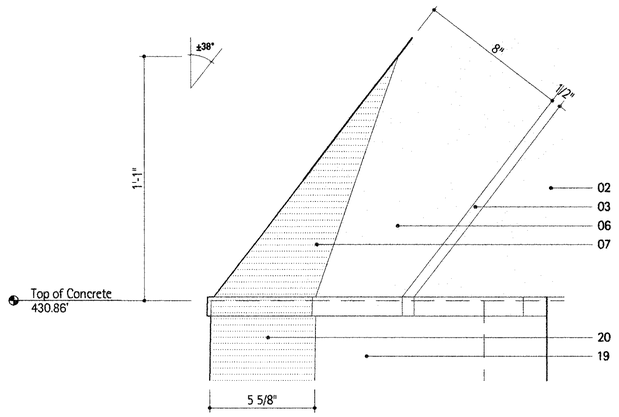
A24

OF 43

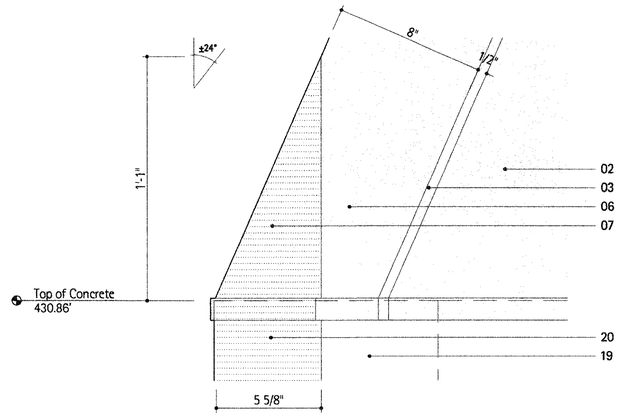
1 Plan Detail at Top Of Steel 443.06'
3"=1'-0"



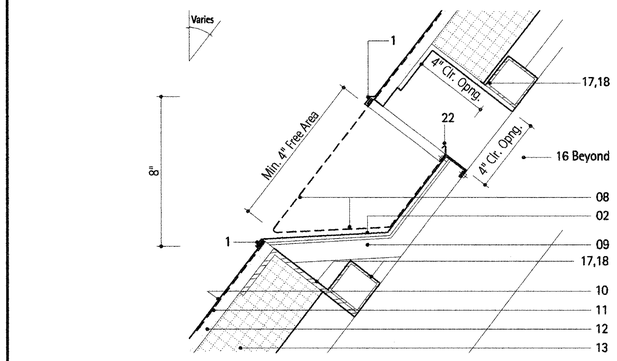
2 Elevation Detail at Roof
3"=1'-0"



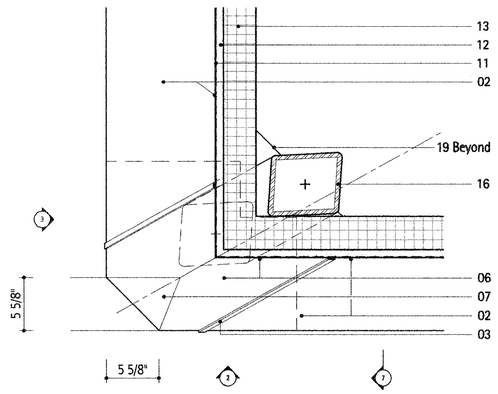
3 Elevation Detail at Rail
3"=1'-0"



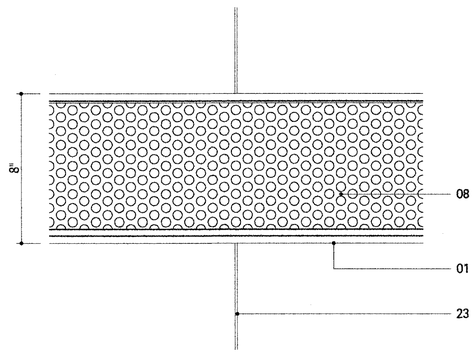
4 Section Detail at Vent
3"=1'-0"



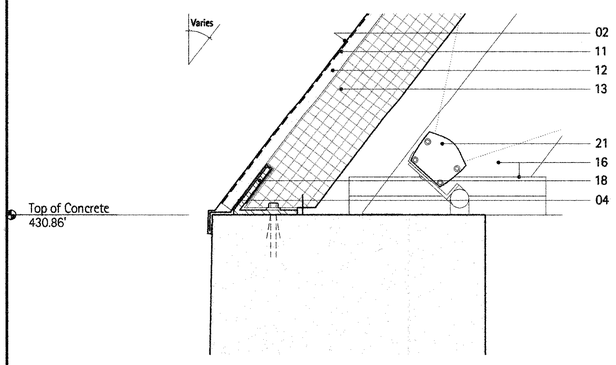
5 Plan Detail - Roof Corner at 432.00'
1 1/2"=1'-0"



6 Elevation Detail at Roof



7 Section Detail at Top Of Concrete 430.86'
3"=1'-0"



Legend Notes

01	Stainless Steel (S.S.)
02	S.S. Flat Seam Roofing
03	S.S. Joint, Seal and Solder as Required
04	S.S. Continuous Flashing and Cleat
06	S.S. Ridge Corner Panels
07	S.S. Ridge Transition at Corner
08	S.S. Perforated Sheet Metal - Min. %50 Free Area - Formed at Air Vent
09	S.S. Backup Plate and Clip Where Req.
10	S.S. Bolt, Washers, and Nuts
11	30 Lbs Felt and Building Paper
12	Non-Combustible Nailable Roof Deck
13	Extruded Polystyrene Insulation
14	Polycarbonate Roof Cap
15	Continuous Neoprene Gasket
16	Steel Roof Frame See Structural Drawings
17	Galv. Steel Purlin
18	Continuous Galv. Steel Support Angle
19	Concrete Structure
20	Concrete Corner Chamfer
21	Light Fixture
22	Continuous Inverted Drip Edge
23	S.S. Roofing Flat Seam Joint

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A430

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LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56 BRIDGE PLANS

BRIDGE NO. 6421

	DATE	BY
REVISIONS 4		
REVISIONS 3		
REVISIONS 2		
REVISIONS 1	10-15-04	D.Cox
DESIGN&DETAILED	9-8-04	D.Cox
CHECKED&REVIEWED		L.Logsdo
DESIGN&DETAILED		L.Logsdo
FIELD CHANGES		
PROJ. MANAGER		W.JROHLEDER

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

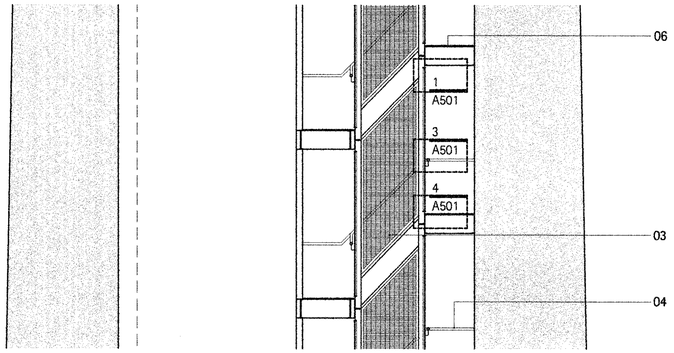
ROOF DETAILS

SHEET NUMBER

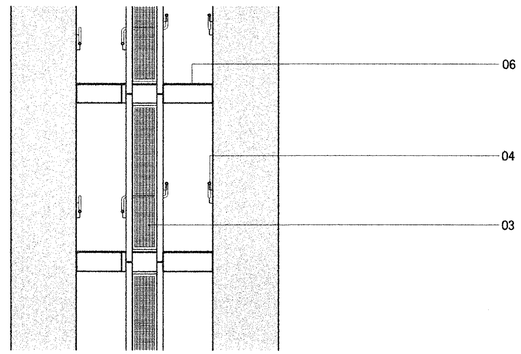
A25

OF 43

1 Fire Stair - Longitudinal Section
1/4"=1'-0"



2 Fire Stair - Latitudinal Section
1/4"=1'-0"



Legend Notes

01	Galvanized Steel Bar Stock
02	Galvanized Steel Angle
03	Metal Mesh Panel
04	1.5" Painted Steel Tube Handrail
05	Painted Steel Handrail Support
06	Open Steel Grating See Structural Drawings

LICENSED ARCHITECT
THOMAS M. PHIFER
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

PROJ. MANAGER	W.J.ROHLEDER		
DESIGNED-DETAILED	L.Lopata	D.Cox	9-9-04
CHECKED-REVIEWED	L.Lopata	D.Cox	10-15-04
DESIGNS-DETAILED2			
DESIGNS-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

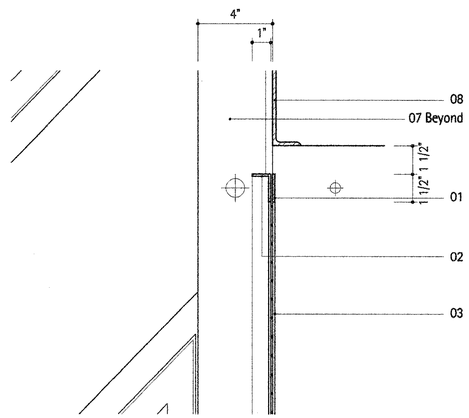
ENLARGED DRAWINGS - FIRE STAIR

SHEET NUMBER

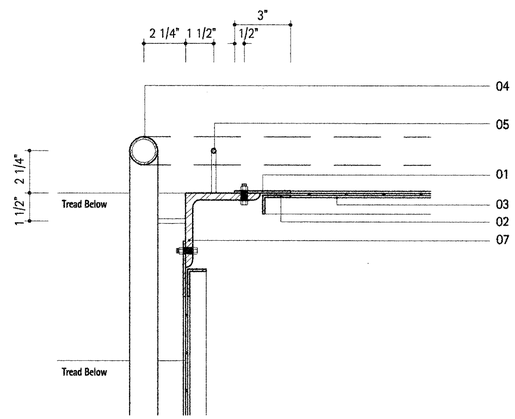
A26

OF 43

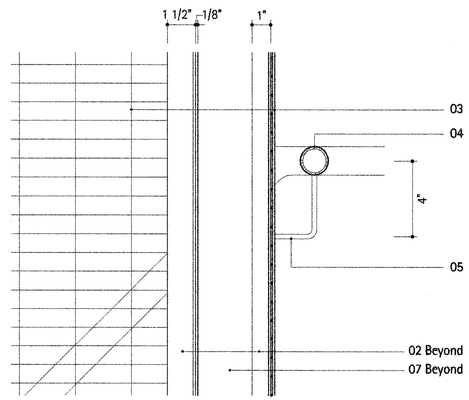
1 Metal Mesh Enclosure Panel - Detail at Head
3"=1'-0"



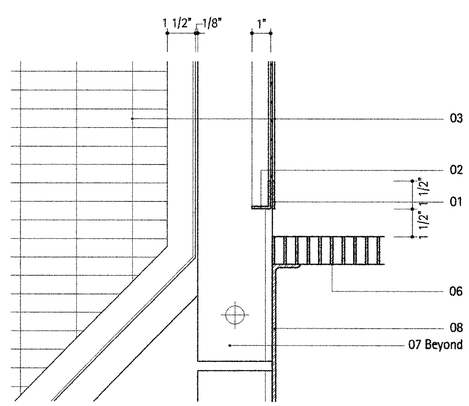
2 Metal Mesh Enclosure Panel - Plan Detail at Corner
3"=1'-0"



3 Metal Mesh Enclosure Panel - Detail at Center
3"=1'-0"



4 Metal Mesh Enclosure Panel - Detail at Base
3"=1'-0"



Legend Notes

01	Galvanized Steel Bar Stock
02	Galvanized Steel Angle
03	Metal Mesh Panel
04	1.5" Painted Steel Tube Handrail
05	Painted Steel Handrail Support
06	Open Steel Grating See Structural Drawings
07	Steel Corner Angles. See Structural Dwgs.
08	Steel Stair Support Structure. See Structural Drawings

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

PROJ. MANAGER	W.JOHNLEDER		
DESIGNED/DETAILED	L.Logalo	D.Cox	9-9-04
CHECKED/REVIEWED	L.Logalo	D.Cox	10-15-04
DESIGNED DETAILED2			
DESIGNED DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

FIRE STAIR DETAILS

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

A501

SHEET NUMBER

A27

OF 43

Figg Bridge Engineers, Inc.
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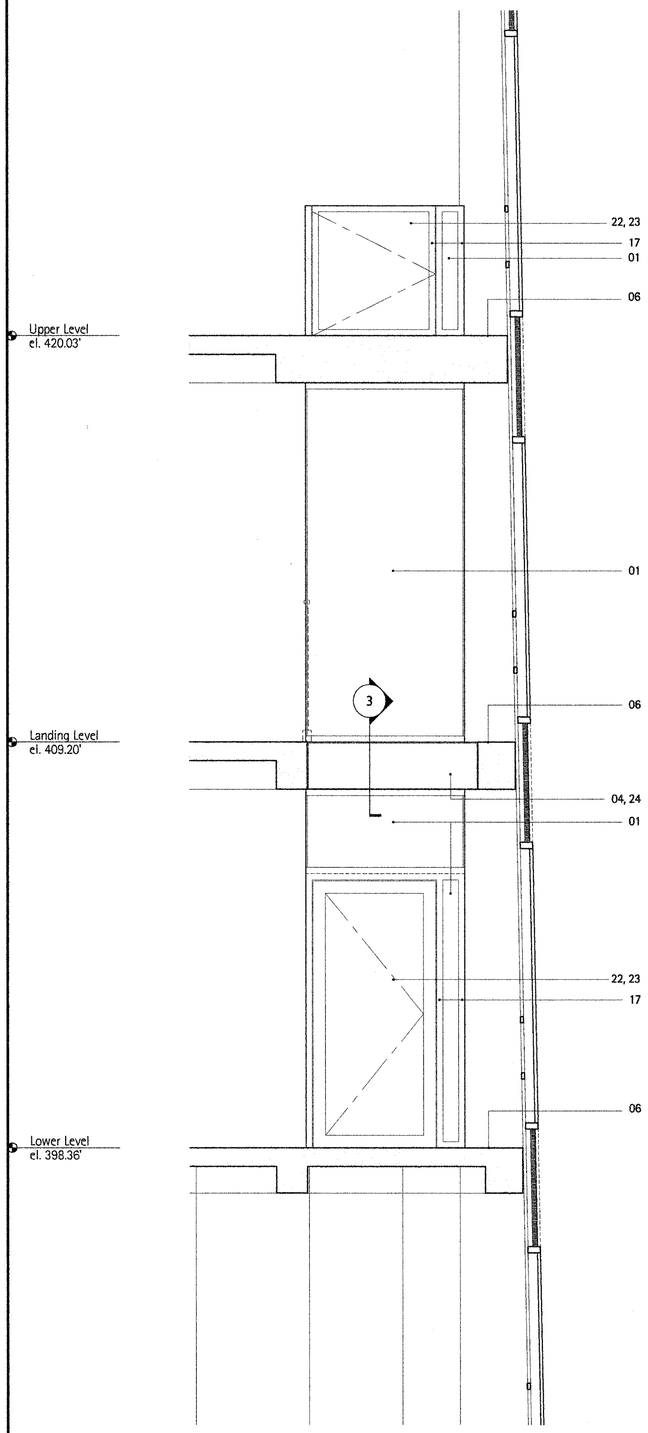
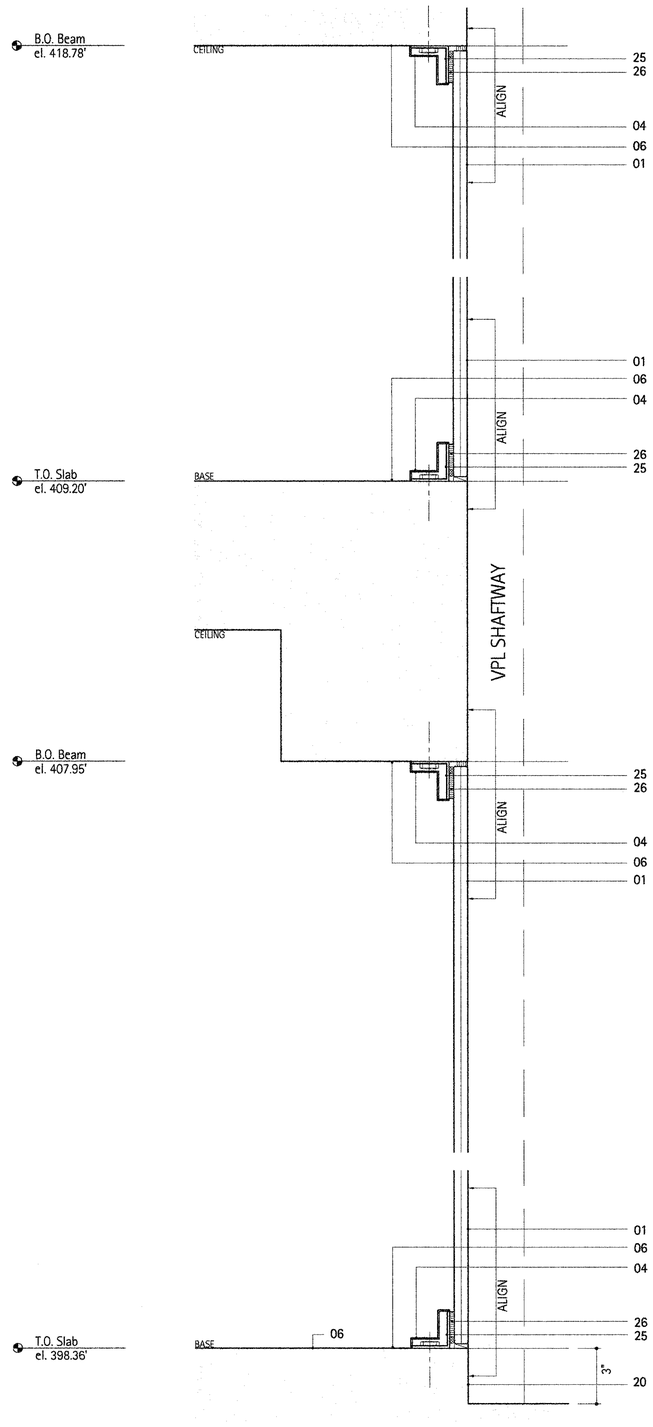
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

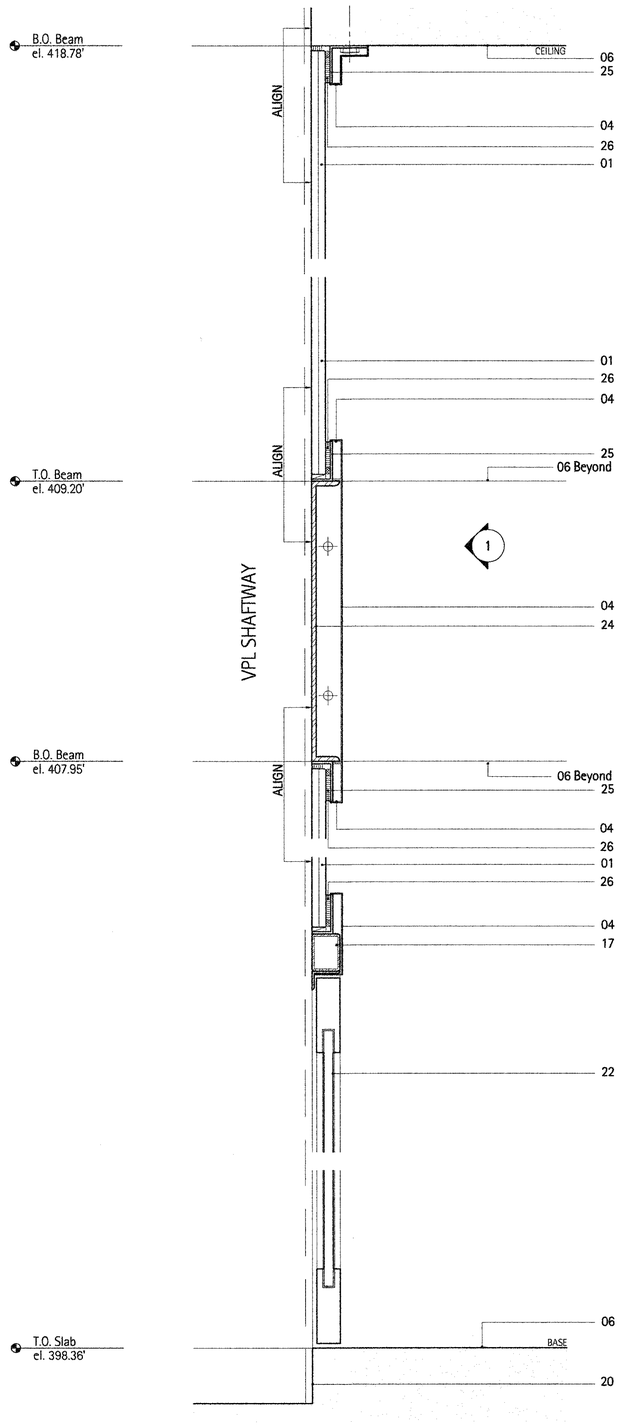
1 Enclosure South Facade - Elevation
1/2"=1'-0"



2 Enclosure East, West, North Facade - Section Detail
3"=1'-0"



3 Enclosure South Facade - Section at Door Head and Beam
3"=1'-0"



Legend Notes

01	3/4" Safety Glass
02	Setting Block
03	Aluminum Shoe Moulding
04	Stainless Steel Sheet Metal Cover
05	Steel Angle Anchored to Concrete Slab
06	Concrete Slab
07	1.9" S.S. Rail
08	S.S. Handrail Support Bracket
09	1.5" S.S. Tube Handrail
10	Curtain Wall System
11	Handrail Support Bracket Bolted to Concrete
12	Stainless Steel Mesh Panel
13	Stainless Steel Angle
14	S.S. Vertical Guardrail Support Anchored in Concrete
15	Stainless Steel Tube Handrail
16	2x2 Stainless Steel Tube Column
17	2x2 Stainless Steel Tube Frame
18	Shim As Required
19	Vertical Platform Lift
20	Edge of Vertical Platform Lift Pit
21	Lift Mech. Housing by Lift Contractor
22	Glass Door
23	Door Frame and Hardware by Lift Contrator
24	Steel Channel w/ Welded End Plates Bolted to Concrete Structure
25	2" x 2" x 1/8" Aluminum Angle
26	Structural Glazing

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A502

LICENSED ARCHITECT
THOMAS M. PHIFER
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• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN 7965.55, 7965.56

BRIDGE NO. 6421

W.J.ROHLEDER	BY	DATE
PROJ. MANAGER	L.Lopata	9-9-04
DESIGNED/FIELD	L.Lopata	10-15-04
CHECKED/REVIEWED		
DESIGNED/DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

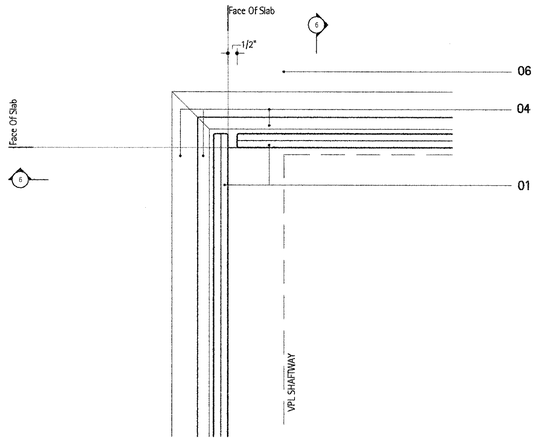
LIFT ENCLOSURE ELEVATIONS AND DETAILS

SHEET NUMBER

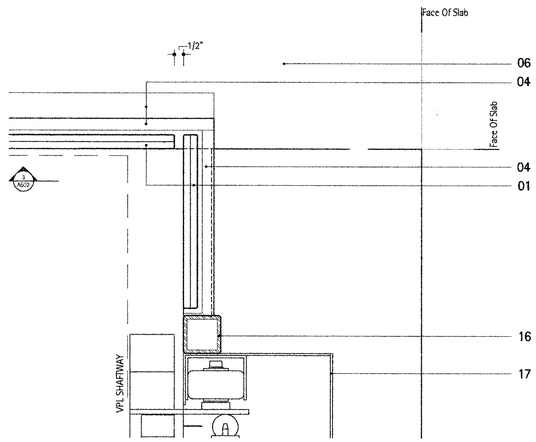
A28

OF 43

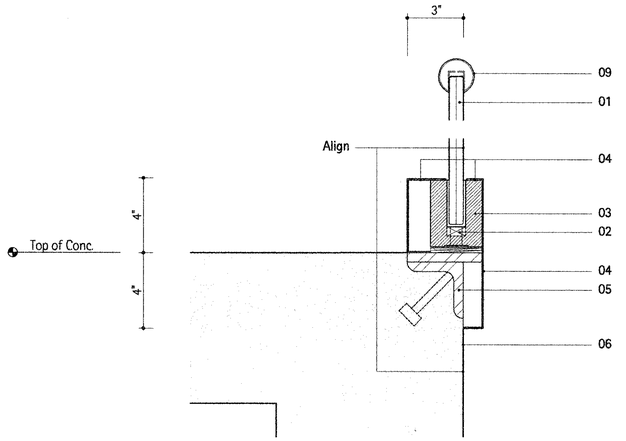
1 Northwest Corner Enclosure - Plan Detail
3"=1'-0"



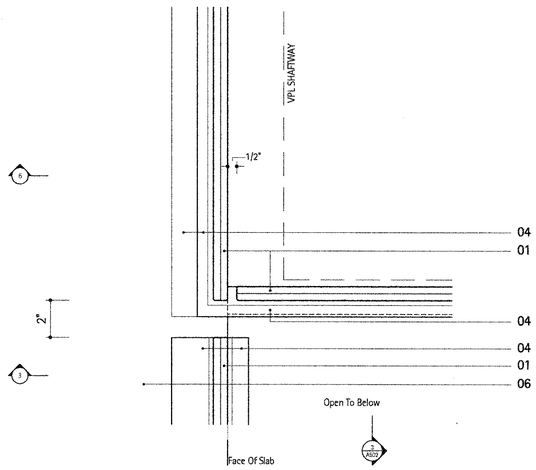
2 Northeast Corner Enclosure - Plan Detail
3"=1'-0"



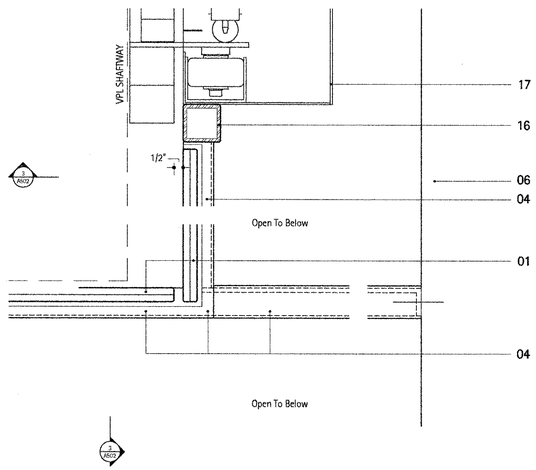
3 Guardrail at Landing Level - Section Detail
3"=1'-0"



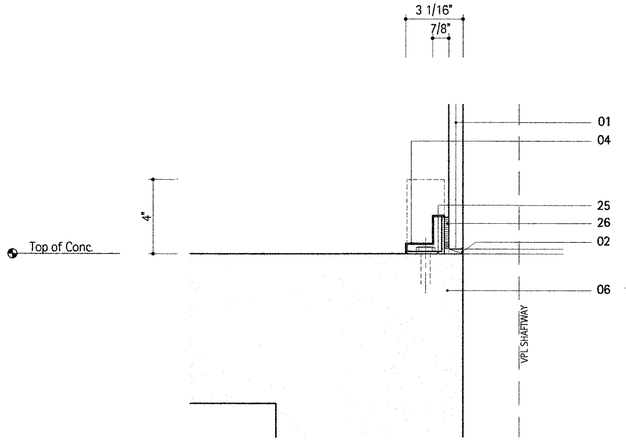
4 Southwest Corner Enclosure - Plan Detail
3"=1'-0"



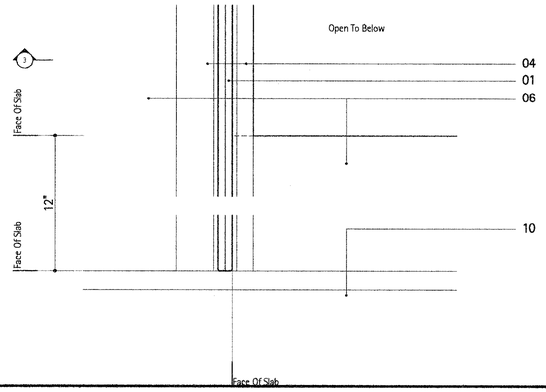
5 Southeast Corner Enclosure - Plan Detail
3"=1'-0"



6 Lift Enclosure - Section Detail
3"=1'-0"



7 Guardrail at Landing Level - Plan Detail
3"=1'-0"



Legend Notes

01	3/4" Safety Glass
02	Setting Block
03	Aluminum Shoe Moulding
04	Stainless Steel Sheet Metal Cover
05	Steel Angle Anchored to Concrete Slab
06	Concrete Slab
07	1.9" S.S. Rail
08	S.S. Handrail Support Bracket
09	1.5" S.S. Tube Handrail
10	Curtain Wall System
11	Handrail Support Bracket Bolted to Concrete
12	Stainless Steel Mesh Panel
13	Stainless Steel Angle
14	S.S. Vertical Guardrail Support Anchored in Concrete
15	Stainless Steel Tube Handrail
16	2x2 Stainless Steel Tube Column
17	2x2 Stainless Steel Tube Frame
18	Shim As Required
19	Vertical Platform Lift
20	Edge of Vertical Platform Lift Pit
21	Lift Mech. Housing by Lift Contractor
22	Glass Door
23	Door Frame and Hardware by Lift Contrator
24	Steel Channel w/ Welded End Plates Bolted to Concrete Structure
25	2" x 2" x 1/8" Aluminum Angle
26	Structural Glazing

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3080
STATE OF MAINE

Thomas Phifer and Partners
180 Varick Street
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212 337 0334

A503

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

	DATE	BY
W.R.DRAWER		
PROJ. MANAGER		
DESIGNED/DETAILED	8-9-04	D.Cox
CHECKED/REVIEWED	10-15-04	D.Cox
DESIGNED/DETAILED2		
DESIGNED/DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

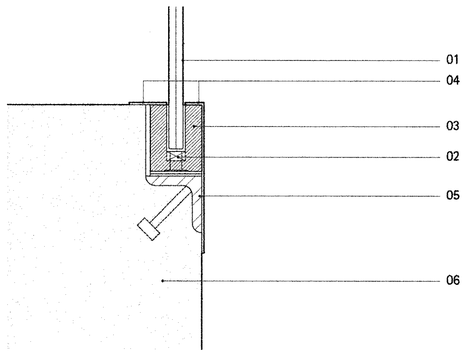
DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

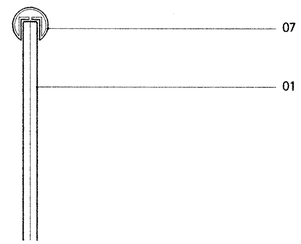
LIFT ENCLOSURE DETAILS

SHEET NUMBER
A29
OF 43

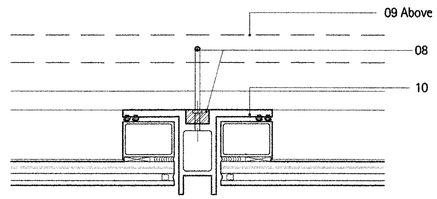
1 Glass Guardrail Base Detail
3"=1'-0"



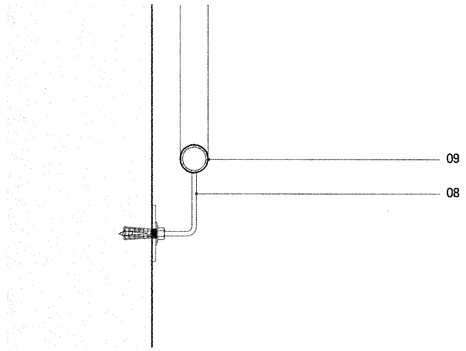
2 Glass Guardrail Rail Detail
3"=1'-0"



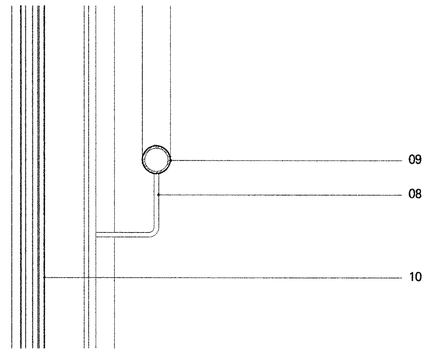
3 Handrail Plan Detail at Curtain Wall
3"=1'-0"



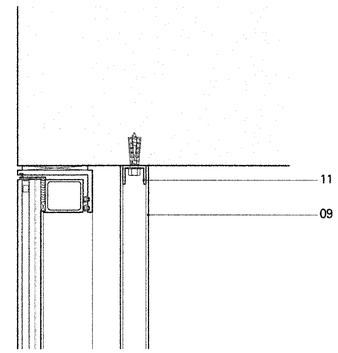
4 Handrail Detail at Wall
3"=1'-0"



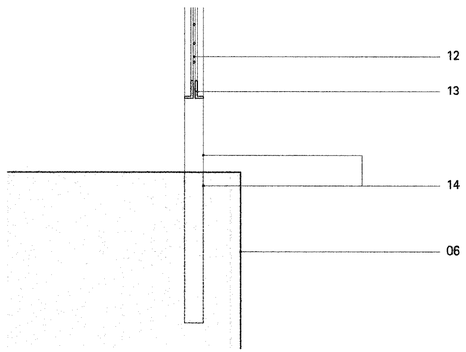
5 Handrail Detail at Curtain Wall
3"=1'-0"



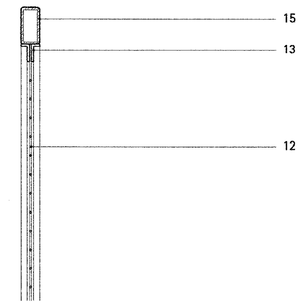
6 Handrail End Detail at Concrete Column
3"=1'-0"



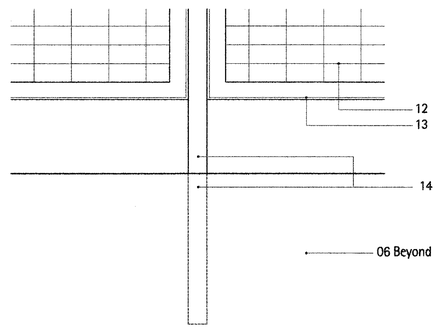
7 Alternate Guardrail Base Detail
3"=1'-0"



8 Alternate Guardrail Rail Detail
3"=1'-0"



9 Alternate Guardrail Elevation
3"=1'-0"



Legend Notes

01 3/4" Safety Glass
02 Setting Block
03 Aluminum Shoe Moulding
04 Stainless Steel Sheet Metal Cover
05 Steel Angle Anchored to Concrete Slab
06 Concrete Slab
07 1.9" S.S. Rail
08 S.S. Handrail Support Bracket
09 1.5" S.S. Tube Handrail
10 Curtain Wall System
11 Handrail Support Bracket Bolted to Concrete
12 Stainless Steel Mesh Panel
13 Stainless Steel Angle
14 S.S. Vertical Guardrail Support Anchored in Concrete
15 Stainless Steel Tube Handrail
16 2x2 Stainless Steel Tube Column
17 2x2 Stainless Steel Tube Frame
18 Shim As Required
19 Vertical Platform Lift
20 Edge of Vertical Platform Lift Pit
21 Lift Mech. Housing by Lift Contractor
22 Glass Door
23 Door Frame and Hardware by Lift Contractor
24 Steel Channel w/ Welded End Plates Bolted to Concrete Structure
25 2" x 2" x 1/8" Aluminum Angle
26 Structural Glazing

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212 337 0334

A504

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424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

SIGNATURE
P.E. NUMBER
DATE

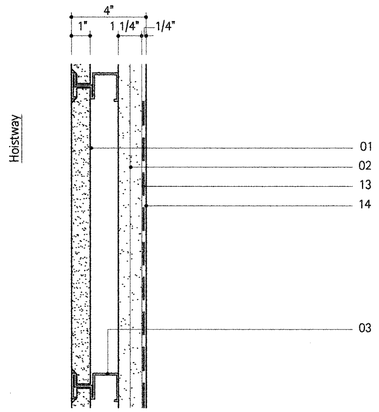
	BY	DATE
W.J.ROHLEDER		
PROJ. MANAGER	L.Lopata	8-9-04
DESIGN-DETAILED	L.Lopata	10-15-04
CHECKED-REVIEWED	D.Cox	
DESIGNS-DETAILED2	D.Cox	
DESIGNS-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

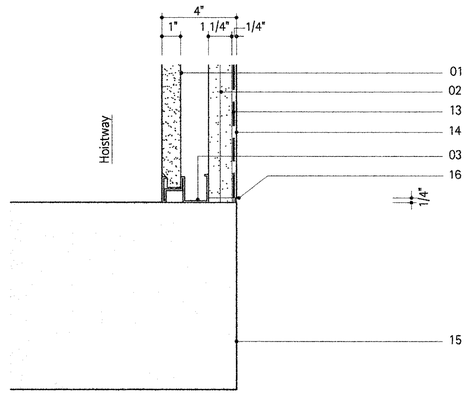
HANDRAIL/GUARDRAIL DETAILS

SHEET NUMBER
A30
OF 43

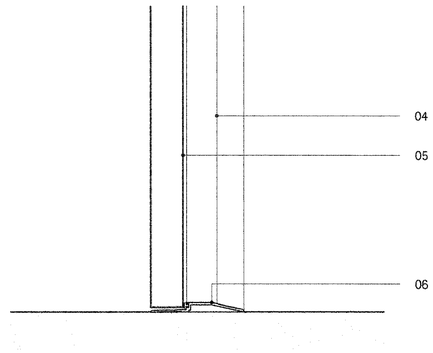
1 Wall Type 1 - 2 Hour Shaft Assembly Per UL Design U438
3"=1'-0"



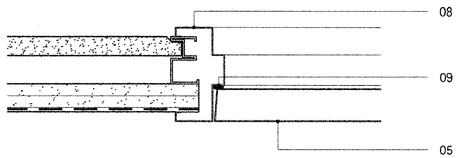
2 Wall Type 1 -Termination at Shear Wall - Plan Detail Per UL Design U438
3"=1'-0"



3 Door Saddle
3"=1'-0"

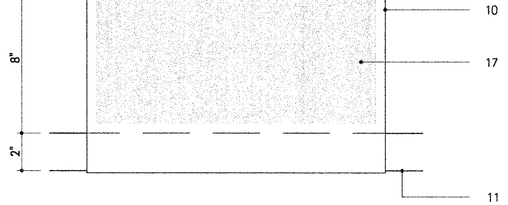


4 All Frame Types - Typical Jamb at Wall Type 1 (Head Similar)
3"=1'-0"

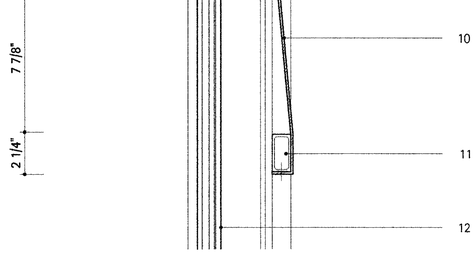


5 Visual Display Panel - Elevation Detail - Quantity: 12 (twelve) Each
3"=1'-0"

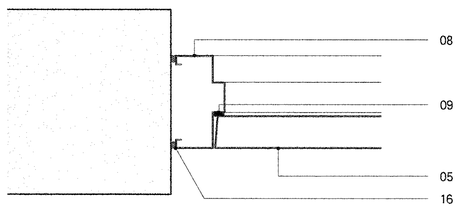
NOT IN CONTRACT



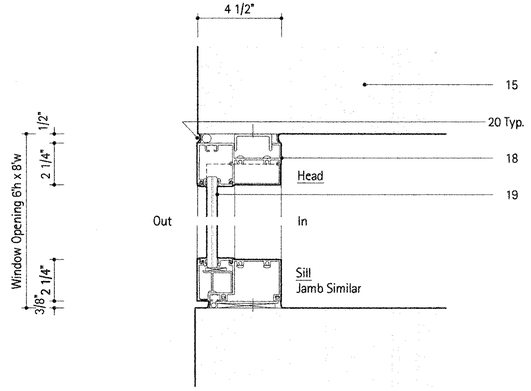
6 Visual Display Panel - Section Detail
3"=1'-0"



7 Typical Jamb at Masonry or Concrete Wall
3"=1'-0"



8 Section Detail - Head and Sill (Jamb Similar) - Window at Base Entry Level
3"=1'-0"



Legend Notes

01	1" Type "X" Shaft Liner Board
02	2 Layers 5/8" Water Resistant Type "X" Cement Wall Board
03	2 1/2" C-H Metal Stud
04	Hollow Metal Jamb Beyond
05	Door as Specified
06	Rabbeted Saddle w/ Integrated Gasket
07	5/8" Wall Board
08	Hollow Metal Drywall Frame
09	Self-Adhesive F.R. Gasket
10	Aluminum Visual Display Panel
11	Aluminum Guardrail
12	Curtain Wall System
13	Metal Lath and Building Paper
14	Stucco Wall Covering
15	Structural Concrete Wall
16	Fire-Resistive Elastomeric Joint Sealant
17	8" x 16" Area For Burnished or Screen-Printed Image/Text To Be Determined By Owner)
18	Aluminum Store Front Window Framing
19	Type G1 Vision Glass
20	Sealant And Backer Rod

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New York, New York 10014
212 337 0334

A505

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 4060
STATE OF MAINE

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424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56
BRIDGE NO. 6421 BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
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DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
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FIELD CHANGES		

SIGNATURE

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PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

MISCELLANEOUS INTERIOR DETAILS

SHEET NUMBER
A31
OF 43

VT01 GENERAL ELEVATOR INFORMATION: INDEX, SUMMARY, ABBREVIATIONS, GENERAL NOTES, RAIL FORCES, ELECTRICAL AND MECHANICAL REQUIREMENTS, AND WORK BY OTHER TRADES

VT02 PIT, HOISTWAY, MACHINE ROOM AND OVERHEAD PLANS AND HOISTWAY SECTION ELEVATOR 1

1 VT01 INDEX OF DRAWINGS
SCALE: NTS

ELEVATOR 1 2500# @ 500 FPM

2 VT01 SUMMARY OF ELEVATORS
SCALE: NTS

AFF.	ABOVE FINISH FLOOR	DIM.	DIMENSION	HORIZ.	HORIZONTAL	O.A.	OVERALL
A.P.	ACCESS PANEL	DC	DIRECT CURRENT	HR	HOUR	OPP.	OPPOSITE
A/C	AIR CONDITIONING	DISC.	DISCONNECT	HP	HORSEPOWER	OVHD	OVERHEAD
ALT.	ALTERNATE	DRG	DISTANCE BETWEEN GUIDE RAILS	HYDR.	HYDRAULIC	PL	PLATE
AC	ALTERNATING CURRENT	DN	DOWN	IN.	INCH (INCHES)	PLTFM	PLATFORM
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	DWG	DRAWING	IGBT	INSULATED GATE BIPOLAR TRANSDUCER	#	POUNDS
AMP	AMPERE	EA.	EACH			PSI	POUNDS PER SQUARE INCH
APPROX.	APPROXIMATE	ELEC.	ELECTRICAL	KCAL	KILOCALORIE	PRELIM.	PRELIMINARY
ARCH.	ARCHITECTURAL	EL.	ELEVATION	KG	KILOGRAMS	RAD.	RADIUS
AUX.	AUXILIARY	ELEV.	ELEVATOR	KVA	KILOVOLT-AMPERE	R/O	REAR OPENING
BSMT	BASEMENT	ETS	EMERGENCY TERMINAL STOPPING	K	KIPS	REQ.	REQUIRED
BOT.	BOTTOM			KN	KILONEWTONS	REV.	REVISION
BTUH	BRITISH THERMAL UNITS PER HOUR	EQ.	EQUAL	LT.	LIGHT	RM.	ROOM
		EQUIP.	EQUIPMENT	MPS	METERS PER SECOND	R.O.	ROUGH OPENING
BM	BEAM	ESCL.	ESCALATOR	MACH.	MACHINE	SEC.	SECONDARY
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATION	(E)	EXISTING	MAX.	MAXIMUM	SECT.	SECTION
		°F	FAHRENHEIT	MEZZ.	MEZZANINE	SHT	SHEET
CLG	CEILING	FPM	FEET PER MINUTE	M	METER	SCR	SILICON CONTROLLED RECTIFIER
°C	CELSIUS	F.V.	FIELD VERIFY	MM	MILLIMETERS	SIM.	SIMILAR
℄	CENTERLINE	F.F.	FINISH FLOOR	MIN.	MINIMUM	SPEC.	SPECIFICATION
CM	CENTIMETERS	FLR	FLOOR	MISC.	MISCELLANEOUS	SF	SQUARE FEET
COL.	COLUMN	FT	FOOT (FEET)	MG	MOTOR-GENERATOR	SM	SQUARE METERS
CLR	CLEAR	FLUOR.	FLUORESCENT	MTD	MOUNTED	STD	STANDARD
CONC.	CONCRETE	F/O	FRONT OPENING	NEC	NATIONAL ELECTRICAL CODE	SBC	STANDARD BUILDING CODE
CMU	CONCRETE MASONRY UNITS	FUT.	FUTURE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	STL	STEEL
		G	GRAVITY			STRUCT.	STRUCTURAL
CONT.	CONTINUOUS	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	(N)	NEW	SW.	SWITCH
CONTR.	CONTRACTOR	GOV.	GOVERNOR	NOM.	NOMINAL	T.O.	TOP OF
CNTRL.	CONTROLLER	GA.	GUAGE	N/A	NOT APPLICABLE	(TYP)	TYPICAL
CWT	COUNTERWEIGHT	GYP. BD.	GYPSUM BOARD	(NIEC)	NOT IN ELEVATOR CONTRACT	UNO	UNLESS NOTED OTHERWISE
CYL.	CYLINDER	HT	HEIGHT			UBC	UNIFORM BUILDING CODE
DEH	DEAD END HITCH	HZ	HERTZ	NTS	NOT TO SCALE	VERT.	VERTICAL
D	DEEP	H.	HIGH	NO.	NUMBER	V.	VOLT
	DEGREES	HSTWY	HOISTWAY	O.C.	ON CENTER	W.	WIDE
DTL	DETAIL			OPNG	OPENING	W/	WITH
ø	DIAMETER					WP	WORKPOINT

3 VT01 ABBREVIATIONS
SCALE: NTS

1. **THESE DRAWINGS FOR GENERAL INFORMATION ONLY. REQUIREMENTS OF INDIVIDUAL VENDORS MAY VARY.**
2. THESE DRAWINGS TO BE DISTRIBUTED TO APPROPRIATE CONSULTING AND ENGINEERING FIRMS, INCLUDING ARCHITECT, STRUCTURAL, ELECTRICAL AND MECHANICAL ENGINEERS.
3. FIELD VERIFY ALL EXISTING DIMENSIONS.
4. ROUGH OPENING DIMENSIONS FOR ELEVATOR ENTRANCES APPLY ONLY IN THE CASE OF MASONRY OR CONCRETE CONSTRUCTION.
5. VERTICAL STRUCTURAL SUPPORT FOR RAIL BRACKETING IS PROVIDED BY HOISTWAY WALLS IN THE CASE OF REINFORCED CONCRETE HOISTWAY CONSTRUCTION.

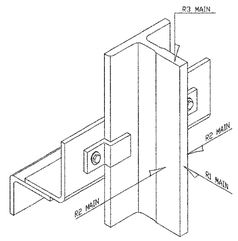
4 VT01 GENERAL NOTES
SCALE: NTS

POWER FEEDER REQUIREMENTS			MAIN POWER SUPPLY: 480-3-60					
ELEVATOR NUMBER	CAPACITY POUNDS	SPEED FPM	DRIVE	HYDRO PUMP UNIT		FULL LOAD CURRENT		MACH. RM BTUH PER CAR
			HP RATING	MOTOR HP	STARTING AMPS	RUNNING AMPS	ACCELERATING AMPS	
1	2500	500	40	N/A	N/A	60	125	18,400

NOTES:
1. ELECTRIC POWER AND CURRENT ARE BASED ON THREE (3) PHASE A.C. POWER SUPPLY.
2. MAIN POWER TO BE PROVIDED AT EACH CONTROLLER WITH DISCONNECTING MEANS MEETING NEC REQUIREMENTS.
3. MAIN POWER SUPPLY FEEDERS TO LIMIT VOLTAGE DROP TO LESS THAN 5%
4. USE COPPER CONDUCTORS ONLY.
5. FEEDER DEMAND FACTORS (NEC SECTIONS 430-26 AND 620-14) =
   (2) CARS= 95% (3) CARS= 90% (4) CARS= 85% (5) CARS= 82% (6) CARS= 79% (7) CARS= 77%
   (8) CARS= 75% (9) CARS= 73% (10) CARS= 72%
6. MACHINE ROOM TEMPERATURE TO BE MIN. 13° C (55° F.) (10° C/50° F IN MASS), MAX. 32° C (90° F.), TO BE MEASURED 1830 MM (6'-0") ABOVE FINISH FLOOR AT APPROX. CENTER OF ROOM.
7. RELATIVE HUMIDITY MAX. 80% NON-CONDENSING
8. THE SELECTION OF MAIN POWER SUPPLY DISCONNECTING MEANS OVERCURRENT PROTECTION TO BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, SECTIONS 620-51 AND 430-52.
9. PROVIDE LOCAL TELEPHONE SERVICE LINE TO EACH CAR CONTROLLER (IF APPLICABLE).
10. PROVIDE GFCI CONVENIENCE OUTLETS PIT, MACHINE ROOM AND MACHINERY SPACES. IN PIT, PROVIDE ONE NON-GFCI OUTLET FOR SUMP PUMP AND/OR OIL RETURN PUMP.
11. PROVIDE HOIST MACHINE WITH VOLTAGE TO MATCH SUPPLY VOLTAGE INDICATED, U.N.O.

ADDITIONAL POWER AND DISCONNECT REQUIREMENTS IN MACHINE ROOM			
AUXILIARY SYSTEM	SUPPLY TERMINAL	SUPPLY VOLTAGE	CIRCUIT CAPACITY
CAR LIGHT AND FAN WITH LOCKABLE DISCONNECT	EACH CONTROLLER	120-1-60	(25 AMP PER CAR)
INTERCOM SYSTEM (IF APPLICABLE)	AT AMPLIFIER	120-1-60	1800 WATTS (15 AMP MIN.)
AIR CONDITIONING AND HEATING SOURCE (IF APPLICABLE)	EACH CONTROLLER	120-1-60	(25 AMP PER CAR)
ROPE BRAKE AIR COMPRESSOR (IF APPLICABLE)	AT EACH BRAKE UNIT	120-1-60	(25 AMP PER CAR)

5 VT01 ELEVATOR ELECTRICAL AND MECHANICAL REQUIREMENTS
SCALE: NTS



RAIL FORCES MAXIMUM ON EACH GUIDE RAIL (FORCES ARE IN KIPS)			
NORMAL FORCES	ELEVATOR NUMBER	1	OCCURRING ON
	R1	0.8 K	FACE OF MAIN CAR GUIDE RAIL
	R2	0.5 K	SIDE OF MAIN CAR GUIDE RAIL-LOADING OR RUNNING
	CAR R3	13.8 K	FORCE TRANSMITTED TO PIT STRUCTURE AT CAR SAFETY APPLICATION*
	CWT R3	N/A	FORCE TRANSMITTED TO PIT STRUCTURE AT CWT SAFETY APPLICATION*

BUILDING SUPPORTS TO RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION AT SUPPORT POINT NOT IN EXCESS OF 3 MM (1/8") UNDER NORMAL CONDITIONS.

* THESE REACTIONS DO NOT OCCUR SIMULTANEOUSLY WITH PIT BUFFER REACTIONS

6 VT01 RAIL FORCES
SCALE: NTS

LEGAL HOISTWAY AND PIT

1. CLEAR, PLUMB, SUBSTANTIALLY FLUSH HOISTWAY WITH VARIATIONS NOT TO EXCEED 25 MM (1") WITHIN 30 M (100') VERTICALLY AT ANY POINT.
2. BEVEL CANTS NOT LESS THAN 75 DEGREES FROM THE HORIZONTAL ON ANY REAR OR SIDE WALL LEDGES AND BEAMS, INCLUDING BUILDING SUPPORT FOR TRACTION MACHINE BEAMS, THAT PROJECT OR RECESS 100 MM (4") OR MORE INTO THE HOISTWAY. CANTS NOT REQUIRED ON DIVIDER BEAMS. ENCLOSE WEB OF HOISTWAY STEEL FRAMING.
3. ADEQUATE STRUCTURAL SUPPORT FOR ATTACHMENT OF ELEVATOR CAR AND/OR COUNTERWEIGHT GUIDE RAILS AT EACH FLOOR, PIT AND OVERHEAD.
4. SUPPORTS AT EACH FLOOR FOR CAR GUIDE RAIL FASTENING AND INTERMEDIATE SUPPORT WHERE HEIGHTS EXCEED 4250 MM (14'-0"), OR AS SHOWN ON LBA DRAWINGS. COUNTERWEIGHT INTERMEDIATE GUIDE RAIL SUPPORTS WHERE FLOOR HEIGHTS EXCEED 4850 MM (16'-0"). BUILDING SUPPORTS NOT TO DEFLECT IN EXCESS OF 1/8" UNDER NORMAL CONDITIONS.
5. GUIDE RAIL BRACKET SUPPORTS IN CONCRETE. INSERTS OR IMBEDS, IF USED, WILL BE PROVIDED BY ELEVATOR CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. VERIFY LOCATION ON ELEVATOR CONTRACTOR'S SHOP DRAWINGS.
6. CUTTING AND PATCHING WALLS, BEAMS AND FLOORS.
7. WALL BLOCK-OUTS AND FIRE-RATED CLOSURE FOR CONTROL AND SIGNAL FIXTURE BOXES WHICH PENETRATE WALLS.
8. STRUCTURAL SLAB, CONCRETE WALL/BEAMS, OR STEEL BEAMS FOR SUPPORT OF HOIST MACHINE, ROPE SHEAVES, AND DEAD-END HITCH BEAMS. SUPPPORT BEAMS SHALL NOT EXCEED DEFLECTION OF L/1666 OF THE SPAN UNDER STATIC LOAD.
9. IF FRONT HOISTWAY WALLS ARE CONCRETE OR MASONRY, FORM ROUGH OPENINGS 300 MM (12") GREATER IN WIDTH AND 100 MM (4") GREATER IN HEIGHT THAN CLEAR OPENING. GROUT ROUGH OPENING AFTER ELEVATOR ENTRANCE FRAMES HAVE BEEN INSTALLED.
10. SOUND-ATTENUATING ASSEMBLIES FOR WALLS OF MACHINE ROOM AND/OR HOISTWAY WHERE SOUND-SENSITIVE AREAS ARE ADJACENT.
11. STRUCTURAL PIT FLOOR FOR TRACTION CAR AND COUNTERWEIGHT BUFFER AND GUIDE RAIL IMPACT LOADS. INDIVIDUAL ELEVATOR BUFFER AND GUIDE RAIL IMPACT LOADS DO NOT OCCUR SIMULTANEOUSLY.
12. STRUCTURAL UP-THRUST TIE-DOWN MEANS IN ELEVATOR PIT FLOOR FOR COMPENSATION SHEAVE ASSEMBLY. VERIFY LOAD AND LOCATION ON ELEVATOR CONTRACTOR'S SHOP DRAWINGS.
13. WATERPROOF PIT AND INDIRECT DRAIN TO SUIT REQUIREMENTS OF AUTHORITY WITH JURISDICTION.
14. PROTECT OPEN HOISTWAYS AND ELEVATOR ENTRANCES DURING CONSTRUCTION PER O.S.H.A. REGULATIONS.
15. PROTECT CAR ENCLOSURE, ELEVATOR ENTRANCES AND SPECIAL METAL FINISHES FROM DAMAGE AFTER INSTALLATION.
16. IF ELEVATOR HOISTWAY SERVES MORE THAN THREE FLOORS, MIN. 3 SF SMOKE VENTING PER ELEVATOR OR 3.5% OF THE TOTAL HOISTWAY AREA (WHICHEVER IS GREATER). RECOMMEND NORMALLY OPEN DAMPER, POWERED CLOSED WITH SMOKE DETECTOR ACTIVATED MOTORIZED DAMPER. PROVIDE ACCESS TO DAMPER MOTOR FROM OUTSIDE THE BOUNDS OF THE HOISTWAY AND ELEVATOR MACHINE ROOM. (REFER TO CODE EXCEPTIONS FOR BUILDINGS WITH AUTOMATIC SPRINKLER SYSTEMS).
17. SELF-CLOSING, SELF-LOCKING, EMERGENCY HOISTWAY ACCESS DOORS FOR TRACTION ELEVATORS IN SINGLE, BLIND HOISTWAY, MINIMUM 700 MM X 2030 MM (28" X 6'-8") DOORS. LOCATE DOORS EVERY THIRD FLOOR NOT TO EXCEED 11 M (36') SILL TO SILL. KEY REMOVABLE IN LOCKED POSITION ONLY. HINGED SELF-CLOSING BARRIER INDEPENDENT OF THE DOOR. BARRIER SHALL NOT OPEN INTO THE HOISTWAY.
18. IF ELEVATORS HAVE EXPRESS RUNS OR OPENINGS THAT DO NOT SERVE ALL FLOORS, OFFSET OR FURR IN WALLS ON LOADING SIDE OF CAR TO REDUCE THE CAR SILL TO HOISTWAY CLEARANCE TO 125 MM (5") OR LESS BUT NOT LESS THAN 32 MM (1 1/4").

LEGAL MACHINE ROOMS

1. REINFORCED MACHINE ROOM FLOOR CAPABLE OF SUPPORTING STATIC LOADS IMPOSED BY ELEVATOR EQUIPMENT, WITH THE EXCEPTION OF TRACTION ELEVATOR HOIST MACHINES. FLOORS SHALL SUSTAIN CONCENTRATED LOAD OF 1000 N (225#) ON ANY 2000 SQUARE MM (3 SQUARE INCH) AREA.
2. ERECT WALL ENCLOSURES AT MACHINE ROOM LEVEL AFTER MACHINE OR PUMP UNIT IS SET IN PLACE. SOUND-ATTENUATION FOR WALLS ADJACENT TO TENANT SPACE.
3. BLOCK-OUTS THROUGH MACHINE ROOM FLOOR, SECONDARY FLOOR AND/OR WALLS FOR HOIST ROPES, HYDRAULIC OIL LINE, AND ELECTRICAL WIRING DUCTS. VERIFY LOCATION ON ELEVATOR CONTRACTOR SHOP DRAWINGS.
4. CONCRETE HOIST MACHINE HOLD-DOWN PAD, OR ADEQUATE STRUCTURAL SUPPORT, FOR BASEMENT MACHINE APPLICATION. VERIFY LOCATION AND SIZE OF HOLD-DOWN BOLTS ON ELEVATOR CONTRACTOR SHOP DRAWINGS. HOLD-DOWN BOLTS PROVIDED AND INSTALLED BY ELEVATOR CONTRACTOR.
5. SELF-CLOSING, SELF-LOCKING MACHINE ROOM AND MACHINERY SPACE ACCESS DOOR OR GATE. KEYING MUST BE INDEPENDENT OF ANY OTHER BUILDING LOCKS. DOOR OR GATE SHALL BE OPENABLE FROM INSIDE WITHOUT KEY. SOUND-ATTENUATING DOORS WHERE ACCESS IS FROM ADJACENT TENANT SPACE. RECOMMEND MINIMUM 900 MM X 2130 MM (3'-0" X 7'-0") DOOR.
6. MACHINE ROOM VENTILATION-AND HEATING. MAINTAIN MINIMUM TEMPERATURE OF 13°C (55°F) MAXIMUM 32°C (90°F). MAINTAIN MAXIMUM 80% RELATIVE HUMIDITY, NON-CONDENSING. HVAC UNIT MAY BE LOCATED WITHIN THE BOUNDS OF THE MACHINE ROOM IF SOLELY FOR THE HEATING OR COOLING OF THAT MACHINE ROOM.
7. RECOMMEND 2400 MM (8'-0") MINIMUM CLEAR HEADROOM UNDER MACHINE ROOM CEILING AND/OR ANY ENCROACHING BEAM (INCLUDING FIREPROOFING). CODE 2130 MM (7'-0") MINIMUM CLEAR.
8. SELF-CLOSING, SELF-LOCKING 29.5" X 29.5" GOVERNOR ACCESS DOOR. PROVIDE STEEL VERTICAL LADDER AND PLATFORM FOR ACCESS AS REQUIRED. PLATFORM SHALL SUPPORT A CONCENTRATED LOAD OF 1000 N (225#) ON ANY 2000 SQUARE MM (3 SQUARE INCH) AREA AND A LIVE LOAD OF NOT LESS THAN 6 KPA (125# PER SQUARE FT). BAR-TYPE GRATING SHALL REJECT A 20 MM (0.8") DIAMETER BALL.
9. MACHINE ROOM FIRE SPRINKLER RUNS MUST TERMINATE WITHIN THE BOUNDS OF THE MACHINE ROOM. SHUT OFF VALVES SHALL BE LOCATED OUTSIDE THE BOUNDS OF THE MACHINE ROOM. MAINTAIN MINIMUM 2130 MM (7'-0") CLEAR HEADROOM UNDER PIPE RUNS.
10. CLASS "ABC" FIRE EXTINGUISHER IN EACH ELEVATOR MACHINE ROOM.
11. MACHINE ROOM ENCLOSURES AND ACCESS DOORS SHALL HAVE A FIRE ENDURANCE AT LEAST EQUAL TO THAT REQUIRED FOR THE HOISTWAY ENCLOSURE AND THE HOISTWAY DOORS, RESPECTIVELY.
12. ONLY EQUIPMENT USED IN CONJUNCTION WITH THE FUNCTION OF THE ELEVATOR SHALL BE PERMITTED IN THE ELEVATOR MACHINE ROOM. ACCESS THROUGH ELEVATOR MACHINE SPACES TO ADJACENT ROOMS OR AREAS SHALL NOT BE PERMITTED. PERMANENT AND UNOBSTRUCTED ACCESS TO MACHINE SPACES SHALL BE PROVIDED FOR AUTHORIZED PERSONNEL.

STANDBY POWER PROVISIONS

1. STANDBY POWER OF NORMAL VOLTAGE CHARACTERISTICS VIA NORMAL ELECTRICAL FEEDERS TO RUN ONE ELEVATOR AT A TIME IN EACH ELEVATOR GROUP AND/OR SINGLE ELEVATOR UNIT AT FULL RATED CAR SPEED AND CAPACITY.

   CONDUCTOR FROM AUXILIARY FORM "C" DRY CONTACTS, LOCATED IN THE STANDBY POWER TRANSFER SWITCH TO A DESIGNATED ELEVATOR CONTROL PANEL IN EACH ELEVATOR GROUP AND/OR SINGLE ELEVATOR UNIT. PROVIDE TIME DELAY OF 30-45 SECONDS FOR PRE-TRANSFER SIGNAL IN EITHER DIRECTION.

   STANDBY SINGLE-PHASE POWER TO GROUP CONTROLLER, AND EACH ELEVATOR CONTROLLER FOR CAR LIGHTING, EXHAUST BLOWER, EMERGENCY SIGNALING DEVICE, INTERCOM AMPLIFIER, HOIST MACHINE COOLING FAN, AND CAR HEATING AND AIR CONDITIONING UNIT.

2. MEANS FOR ABSORBING REGENERATIVE POWER DURING AN OVERHAULING LOAD (SUCH AS FULL LOAD DOWN).

   NOTE: ELEVATOR DRIVES MAY EMPLOY IGBT POWER CONVERSION UNITS.

   NOTE: ELEVATORS REQUIRED FOR USE DURING CONSTRUCTION MUST COMPLY WITH ALL ELEVATOR AND FIRE/LIFE SAFETY CODES:

ELECTRICAL SERVICES

1. LIGHTING AND GFCI CONVENIENCE OUTLETS IN PIT, MACHINE ROOM AND OVERHEAD MACHINERY SPACE. (NO GFCI PROTECTION REQUIRED FOR SUMP PUMP OUTLET. NO GFCI PROTECTION FOR SUMP PUMP IN MINNESOTA.) ADEQUATE LIGHTING TO MAINTAIN 100 LUX (10 FC) MINIMUM ILLUMINATION AT THE PIT FLOOR, AND 200 LUX (19 FC) AT THE MACHINE ROOM FLOOR, CONTROL ROOM FLOOR, AND OVERHEAD AND SECONDARY MACHINERY SPACES.
2. POWER FEEDERS FROM THE CLOSEST ELEVATOR HOISTWAY OF EACH GROUP AND EACH INDIVIDUAL ELEVATOR TO THE FIRE CONTROL ROOM AND/OR THE MAIN LEVEL LOBBY CONTROL CONSOLE. COORDINATE SIZE, QUANTITY AND LOCATION WITH ELEVATOR CONTRACTOR.
3. THREE-PHASE MAINLINE COPPER POWER FEEDER TO TERMINALS OF EACH ELEVATOR CONTROLLER WITH PROTECTED, LOCKABLE "OPEN", DISCONNECTING MEANS MEETING NEC REQUIREMENTS. LOCATE DISCONNECTING MEANS IN THE MACHINE ROOM. VERIFY CONTROLLER LOCATION ON ELEVATOR SHOP DRAWINGS. PROVIDE CLEARANCES AROUND DISCONNECTING MEANS AS REQUIRED BY CODE. AUXILIARY FEEDERS AND DISCONNECTING MEANS FOR MACHINE ROOMS WITH MULTIPLE LEVELS. AUXILIARY CONTACTS FOR HYDRAULIC ELEVATORS FOR BATTERY LOWERING DEVICE ELECTRICAL INTERLOCK IN MASS. LOCATE DISCONNECTING MEANS WITHIN 18" OF LOCK JAMB SIDE OF MACHINE ROOM DOOR.
4. SINGLE-PHASE COPPER POWER FEEDER TO EACH CONTROLLER FOR CAR LIGHTING, EXHAUST BLOWER AND CONVENIENCE OUTLET WITH PROTECTED, LOCKABLE "OPEN", DISCONNECTING MEANS MEETING NEC REQUIREMENTS. LOCATE DISCONNECTING MEANS IN THE MACHINE ROOM. VERIFY CONTROLLER LOCATION ON ELEVATOR SHOP DRAWINGS.
5. SINGLE-PHASE COPPER POWER FEEDER FOR 1800 WATTS, TO ELEVATOR INTERCOM AMPLIFIER IN EACH MACHINE ROOM. LOCATE AS DESIGNATED BY ELEVATOR CONTRACTOR.
6. FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, FOR EACH MULTIPLE HOISTWAY OR SINGLE HOISTWAY AND EACH MACHINE ROOM, TO INITIATE FIREFIGHTER'S RETURN FEATURE. DEVICE AT TOP OF HOISTWAY IF SPRINKLERED (SPRINKLERING NOT ALLOWED IN MASS). PROVIDE A DISCRETE SIGNAL FROM EACH OF THE FOLLOWING ZONES OR DETECTORS: MAIN LOBBY, ALL OTHER LOBBIES, EACH HOISTWAY, AND EACH MACHINE ROOM. WHERE A GROUP OF ELEVATORS INCLUDES MULTIPLE HOISTWAYS, PROVIDE A DISCRETE SIGNAL FROM EACH HOISTWAY. SUPPLY TWO DRY CONTACTS AND DETECTOR WIRES TO EACH ELEVATOR GROUP CONTROLLER IN EACH ELEVATOR MACHINE ROOM.
7. MEANS TO AUTOMATICALLY DISCONNECT POWER TO AFFECTED ELEVATOR DRIVE UNIT AND CONTROLLER PRIOR TO ACTIVATION OF MACHINE ROOM, OVERHEAD FIRE SPRINKLER SYSTEMS, AND/OR OF HOISTWAY OVERHEAD FIRE SPRINKLER SYSTEMS. MANUAL SHUT-OFF MEANS SHALL BE LOCATED OUTSIDE THE BOUNDS OF THE MACHINE ROOM.
8. TEMPORARY POWER AND ILLUMINATION TO INSTALL, TEST AND ADJUST ELEVATOR EQUIPMENT.
9. FIREFIGHTER'S TELEPHONE JACK AND ANNOUNCEMENT SPEAKER IN CAR WITH CONNECTION TO INDIVIDUAL ELEVATOR CONTROL PANELS IN ELEVATOR MACHINE ROOM AND ELEVATOR CONTROL PANEL IN FIREFIGHTER'S CONTROL ROOM.
10. EMERGENCY TELEPHONE LINE TO EACH INDIVIDUAL OR DESIGNATED ELEVATOR CONTROL PANEL IN ELEVATOR MACHINE ROOM.
11. SINGLE-PHASE POWER FEEDERS TO MACHINE ROOM ELEVATOR MONITORING PANEL/DISPLAY UNIT WITH SINGLE-PHASE, PROTECTED, LOCKABLE "OPEN", DISCONNECTING MEANS MEETING NEC REQUIREMENTS.
12. SINGLE-PHASE POWER FEEDERS TO CONTROLLER(S) FOR CCTV WITH LOCKABLE "OPEN", DISCONNECTING MEANS MEETING NEC REQUIREMENTS.
13. SINGLE-PHASE POWER FEEDERS TO CONTROLLER(S) FOR ROPE BRAKE AIR COMPRESSOR WITH DISCONNECTING MEANS MEETING NEC REQUIREMENTS.

7 VT01 RELATED WORK NOT PROVIDED IN ELEVATOR CONTRACT
SCALE: NTS

(BASED ON ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS. CONSULT LOCAL CODES FOR ADDITIONAL REQUIREMENTS.)

Legend Notes

Thomas Phifer and Partners
180 Varick Street
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212 337 0334

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Elevator Consulting Group
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Metuchen, NJ 08840

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

LICENSED ARCHITECT
THOMAS M. PHIFER
No. 13050
STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.55, 7965.56 BRIDGE PLANS

BRIDGE NO. 6421

PROJ. MANAGER	W.IRONREDER
DESIGNED/DETAILED	J. Saltng
CHECKED/REVIEWED	J. Saltng
DESIGNED/DETAILED2	J. Saltng
DESIGNED/DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

	BY	DATE
SIGNATURE	J. Saltng	9-9-04
	J. Saltng	10-15-04

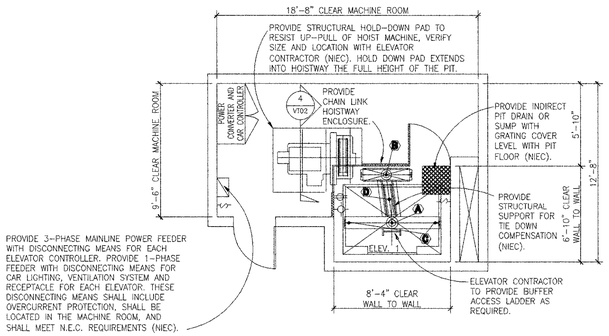
P.E. NUMBER

DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

GENERAL ELEVATOR INFORMATION

SHEET NUMBER
A32
OF 43



LEVEL -8'-8" PIT AND HOISTWAY PLAN ELEVATOR 1

2 / VT02 — SCALE: 1/4" = 1'-0"
DUTY: ELEVATOR 1: 2500# @ 500 FPM

PIT REACTION TABLE	
DUTY: 2500# @ 500 FPM	
KEY	REACTION
A	37.7 K
B	32.5 K
C	13.8 K EACH (SIDE CAR R3 RAIL FORCE)
D	26.3 K UP-PULL

REACTIONS DO NOT OCCUR SIMULTANEOUSLY

REACTIONS HAVE BEEN DOUBLED FOR IMPACT

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR (NIEC)

PROVIDE PIT ACCESS LADDER, LIGHT SWITCH, LIGHT, AND GFCI-PROTECTED UTILITY OUTLET (NIEC)

COORDINATE LIGHT FIXTURES AND UTILITY OUTLETS LOCATION WITH ELEVATOR CONTRACTOR (NIEC).

PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND R3 RAIL FORCE REACTIONS (NIEC)

PROVIDE SELF-CLOSING, SELF-LOCKING MACHINE ROOM ACCESS DOOR (NIEC)

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT MACHINE ROOM FLOOR (NIEC)

PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR (NIEC).

MACHINE ROOM HEAT EMISSION 18,400 BTUH TOTAL

PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED (NIEC)

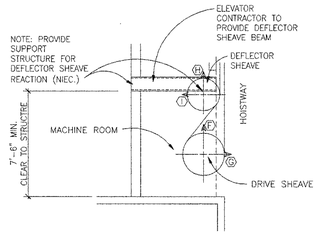
FOR EQUIPMENT IN THE MACHINE ROOM, A CLEARANCE OF NOT LESS THAN 450 MM (18") SHALL BE PROVIDED IN THE DIRECTION(S) REQUIRED FOR MAINTENANCE, AND A CLEAR PATH OF NOT LESS THAN 450 MM (18") SHALL BE PROVIDED TO ALL COMPONENTS THAT REQUIRE MAINTENANCE

IF A STRUCTURAL CONCRETE SLAB IS USED TO SUPPORT THE HOIST MACHINE(S), THE STRUCTURAL ENGINEER SHALL COORDINATE THE SLAB DESIGN AND ASSOCIATED DETAILS WITH THE DESIGNATED ELEVATOR CONTRACTOR. THE SLAB DESIGN SHALL MEET ALL APPLICABLE REQUIREMENTS OF ASME A17.1 (NIEC).

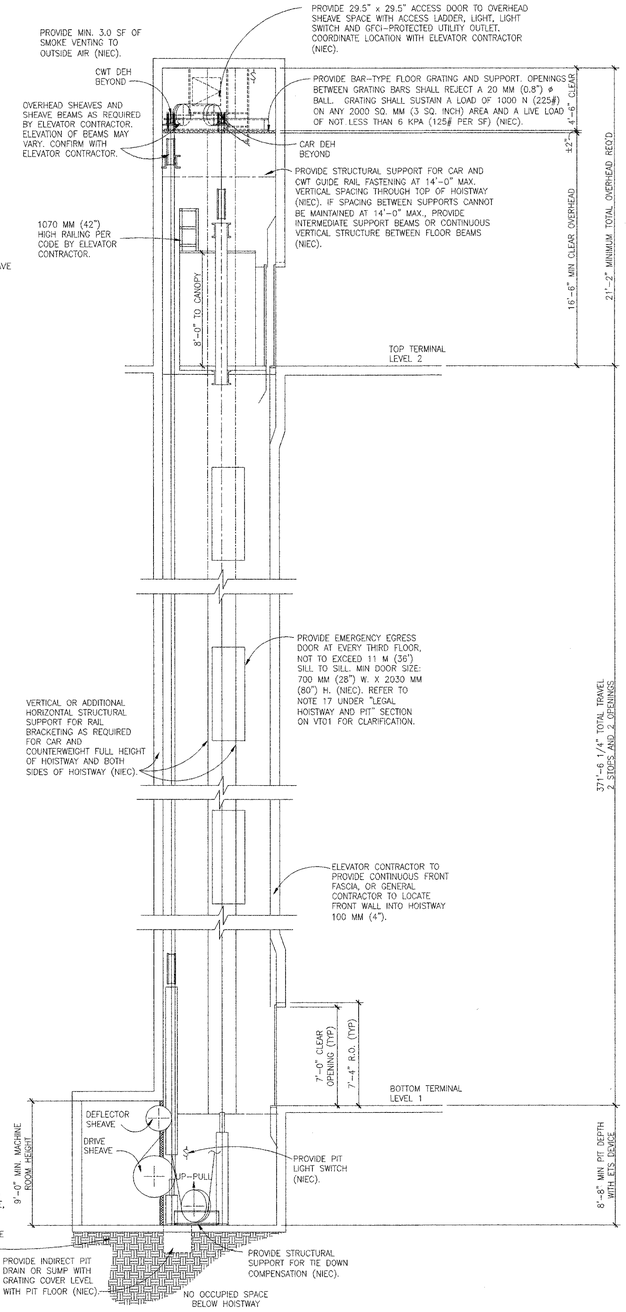
TRANSVERSE REACTION TABLE	
DUTY: 2500# @ 500 FPM	
KEY	REACTION
F	18.4 K
G	7.5 K
H	2.7 K
I	7.5 K

REACTIONS DO NOT OCCUR SIMULTANEOUSLY

REACTIONS HAVE BEEN DOUBLED FOR IMPACT

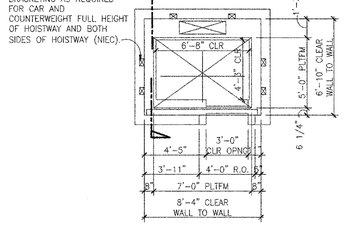


4 / VT02 — **PARTIAL SECTION**
SCALE: 1/4" = 1'-0"
DUTY: ELEVATOR 1: 2500# @ 500 FPM



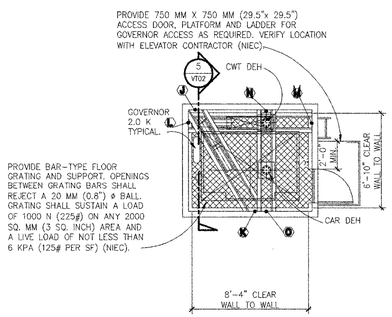
HOISTWAY SECTION ELEVATOR 1

5 / VT02 — SCALE: 1/4" = 1'-0"
DUTY: ELEVATOR 1: 2500# @ 500 FPM



TYPICAL HOISTWAY PLAN ELEVATOR 1

2 / VT02 — SCALE: 1/4" = 1'-0"
DUTY: ELEVATOR 1: 2500# @ 500 FPM



OVERHEAD REACTION TABLE	
DUTY: 2500# @ 500 FPM	
KEY	REACTION
J	26.1 K
K	14.3 K
L	28.2 K
M	11.5 K
N	13.8 K
O	8.3 K

REACTIONS HAVE BEEN DOUBLED FOR IMPACT

PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED (NIEC)

PROVIDE 750 MM X 750 MM 29.5" x 29.5" ACCESS DOOR TO OVERHEAD SHEAVE SPACE WITH ACCESS LADDER, LIGHT, LIGHT SWITCH AND GFCI-PROTECTED UTILITY OUTLET. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR (NIEC).

PROVIDE BAR-TYPE FLOOR GRATING AND SUPPORT. OPENINGS BETWEEN GRATING BARS SHALL REJECT A 20 MM (0.8") ø BALL. GRATING SHALL SUSTAIN A LOAD OF 1000 N (225#) ON ANY 2000 SQ. MM (3 SQ. INCH) AREA AND A LIVE LOAD OF NOT LESS THAN 6 KPA (125# PER SF) (NIEC).

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT OVERHEAD GRATING (NIEC)

OVERHEAD PLAN ELEVATOR 1

3 / VT02 — SCALE: 1/4" = 1'-0"
DUTY: ELEVATOR 1: 2500# @ 500 FPM

Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN 7965.55, 7965.56

BRIDGE NO. 6421

	BY	DATE
PROJ. MANAGER	W.JROULEDER	
DESIGN DETAILED	J. Siefring	8-8-04
CHECKED/REVIEWED	J. Siefring	10-15-04
DESIGN DETAILED2	J. Siefring	
DESIGN DETAILED3		
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

PIT HOISTWAY, MACHINE RM. PLANS AND HOISTWAY SECTION

LICENSED ARCHITECT
THOMAS M. PHIFER
NO. 3060
STATE OF MAINE

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VT02

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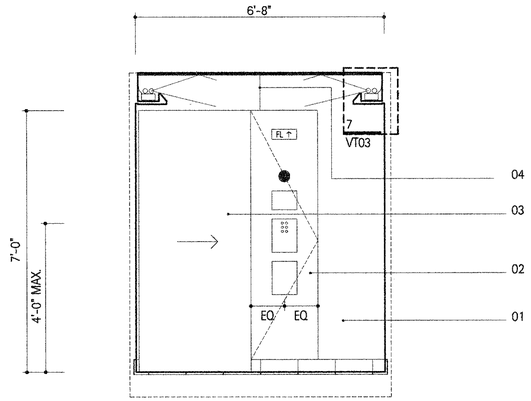
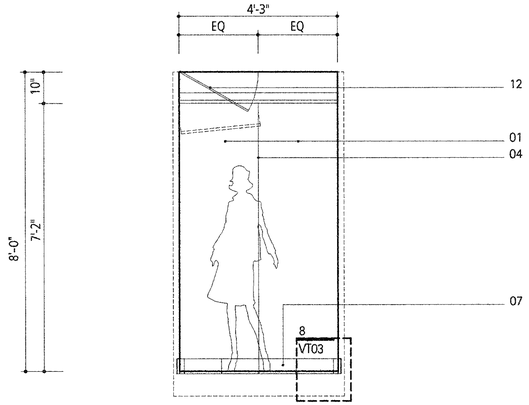
• Tallahassee, FL • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER
A33
OF 43

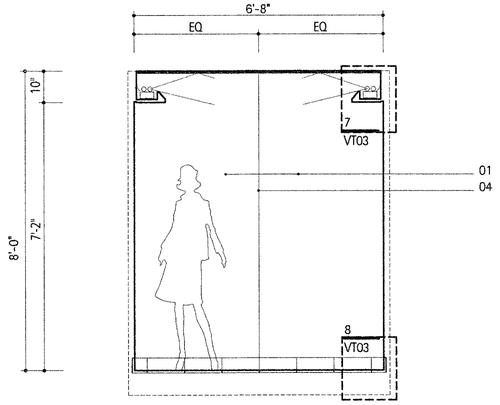
1 South Elevation
1/2"=1'-0"



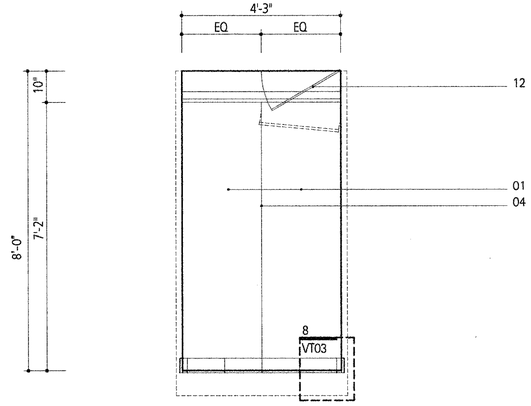
2 East Elevation
1/2"=1'-0"



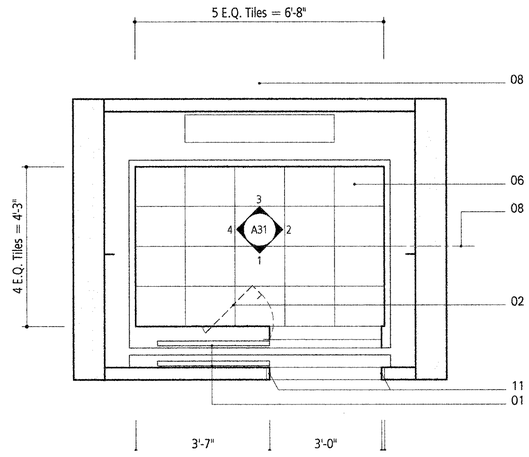
3 North Elevation
1/2"=1'-0"



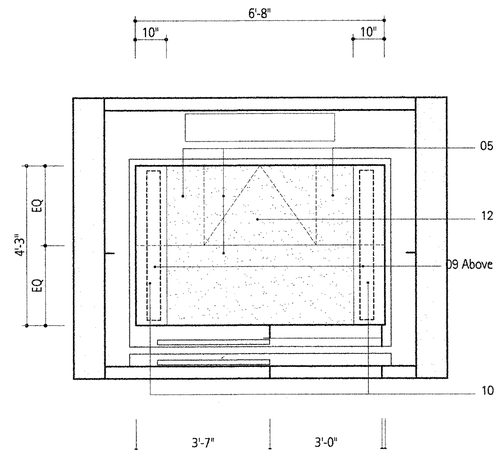
4 West Elevation
1/2"=1'-0"



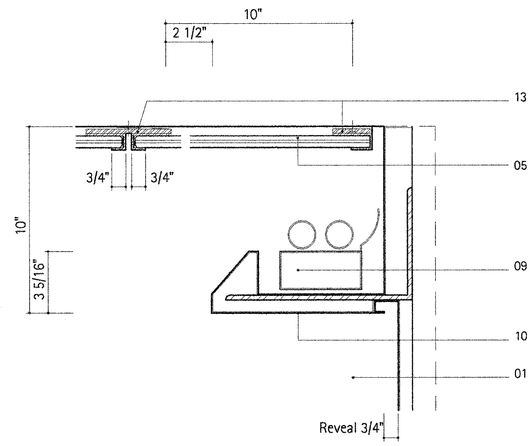
5 Plan
1/2"=1'-0"



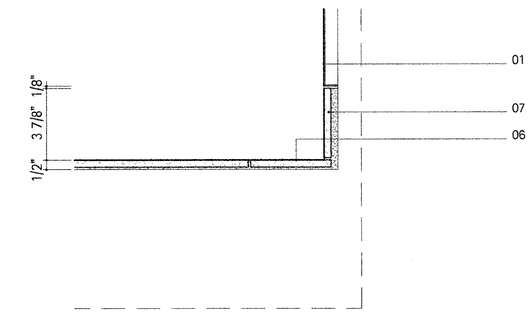
6 Reflected Ceiling Plan
1/2"=1'-0"



7 Detail - Light Cove
3"=1'-0"



8 Detail - Granite Tile at Base and Floor
3"=1'-0"



Legend Notes

01	S. S. Wall Panel - Satin Finish
02	S. S. Control Panel Cover - Satin Finish
03	S. S. Door Panel - Satin Finish
04	Panel Joint
05	5/8" Laminated Glass Panels
06	Granite Floor Tiles
07	Granite Base Tiles
08	Center Line of First Tile Joint
09	4'-0" Fluor. Fixture - Reflector on One Side
10	S. S. Light Cove Cover
11	S. S. Door Jambs
12	Ceiling Access Panels
13	Continuous Stainless Steel Fastener clips

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LICENSED ARCHITECT
THOMAS M. PHIFER
No. 3600
STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN
BRIDGE NO. 6421 **7965.55, 7965.56** BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	W.J.ROHLEDER
DESIGN-DETAILED	L.Logalo
CHECKED-REVIEWED	L.Logalo
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BY	DATE
D.Cox	8-9-04
D.Cox	10-15-04

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

ELEVATOR CAB INFORMATION

SHEET NUMBER
A34
OF 43

SYMBOL LIST

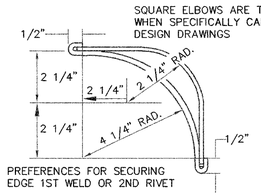
10x6	DUCT SIZE 10" WIDTH BY 6" HEIGHT
Ⓣ	THERMOSTAT
1"ø	1 INCH DIAMETER
Ø	DIAMETER (ROUND)
(100)	CUBIC FEET PER MINUTE
WMS	WIRE MESH SCREEN
C.F.M.	CUBIC FEET PER MINUTE
O.E.D	OPEN ENDED DUCT
GX-1	EXHAUST FAN NO. 1
U.H.	UNIT HEATER
MOD	MOTOR OPERATED DAMPER

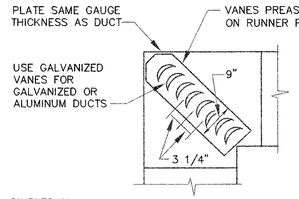
UNIT HEATER SCHEDULE

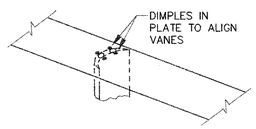
UNIT NO.		UH-1
LOCATION		ELEVATOR MACHINE ROOM
SERVICE		ELEVATOR MACHINE ROOM
TYPE		UNIT HEATER
CONFIGURATION		SURFACE MTD
FAN	CFM	580
	EXT. S.P.	
	RPM	1725
BTUH		3000
MOTOR HP		1/4
DRIVE		DIRECT
TYPE		PROPELLER
COIL DATA	STAGES/KW	1/0.88
FILTER TYPE		
ELECTRICAL DATA	V/PH/Hz	208/3/60
	MOTOR SPEED	3 SPEED
	HP	1/4
THERMOSTAT LOCATION		SELF CONTAINED
STARTER		THERMAL SWITHCH
SWITCHES		
VIBRATION ISOLA.	TYPE	SPRING
	DEFLECTION	1"
WEIGHT (LBS)		76
MANUFACTURER		TRANE
MODEL		UHXA-033A1B
REMARKS:		

FAN SCHEDULE

UNIT NO.		GX-1	GX-2	CF-1 ,2, 3, 4
LOCATION		STORAGE ROOM	ELECTRICAL EQUIPMENT ROOM	OBSERVATORY UPPER LEVEL
SERVICE		VENTILATOR	VENTILATOR	CIRCULATION
FAN DATA	CFM	4,000	1,000	8,610
	TYPE	INLINE	PROPELLER	CEILING FAN
	TOT. SP	1.0	0.5	–
	RPM	1,725	1,160	395
	HP	1.85	0.29	–
	DRIVE	DIRECT	DIRECT	DIRECT
	WHEEL	BI	–	–
	CLASS			
ELECTRICAL DATA	MOTOR HP	2	1/4	50W
	RPM	1,725	1,160	395
	Volts/Ph/Hz	460/3/60	115/1/60	120/1/60
STARTER	TYPE	CMUF	–	–
	SWITCHES	HOAP	THERMAL SWITCH	–
VIBRATION ISOLATION	TYPE	SPRING	SPRING	–
	DEFLECTION	1"	1"	–
WEIGHT (LBS)		130	30	20
ACCESSORIES		SEE NOTE	SEE NOTE	–
MANUFACTURER		GREENHECK	GREENHECK	DAYTON
MODEL No.		SQ-160-A	SE1-16-436-B4	4C852
REMARKS: 1. PROVIDE WITH THERMOSTAT.				1. DAYTON 36" REVERSIBLE FAN



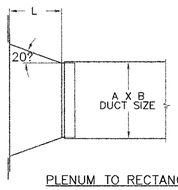




NOTES:
USE GALVANIZED STEEL FOR VANES IN EITHER STEEL OR ALUMINUM DUCTWORK. PROVIDE 1 STAY FOR DUCTS 72" TO 120" WIDE & 2 STAYS AT 1/3 POINTS FOR 120" & ABOVE

TURNING VANE DETAIL

N.T.S.

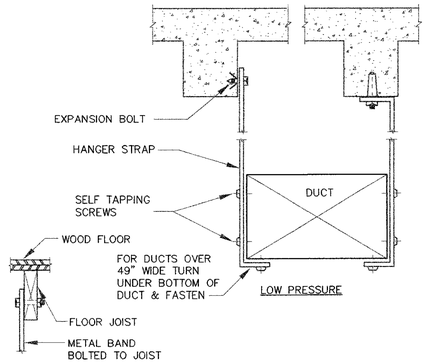


PLENUM TO RECTANGULAR DUCT CONNECTION

$L = \frac{\sqrt{AXB}}{1.76}$

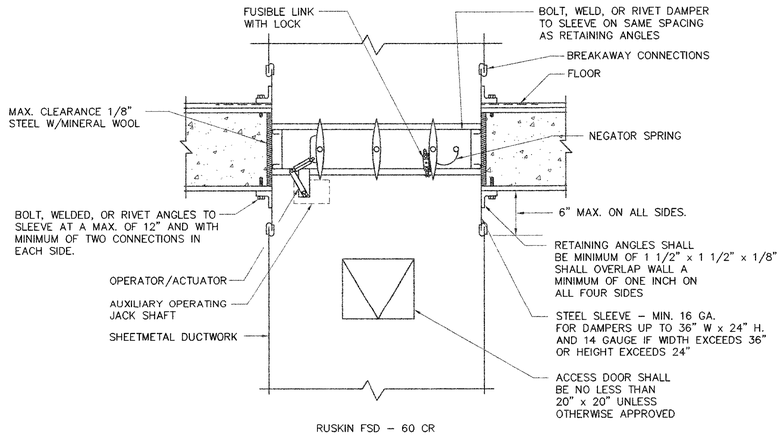
PLENUM TO DUCT CONNECTION DETAIL

N.T.S.



METHOD OF HANGING DUCTWORK

N.T.S.



RUSKIN FSD – 60 CR

HORIZONTAL COMBINATION: FIRE AND SMOKE DAMPER DETAIL

W/FUSIBLE LINK

Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.40

BRIDGE PLANS

BRIDGE NO. 6421

STATE OF MAINE — Ambrosino DePinto & Schmieder — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER	
DESIGN-DETAILED	J. MCGREEVY	10-15-04
CHECKED-REVIEWED	D. MICHEL	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

HVAC SCHEDULES, SYMBOLS AND DETAILS

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Ambrosino DePinto Schmieder
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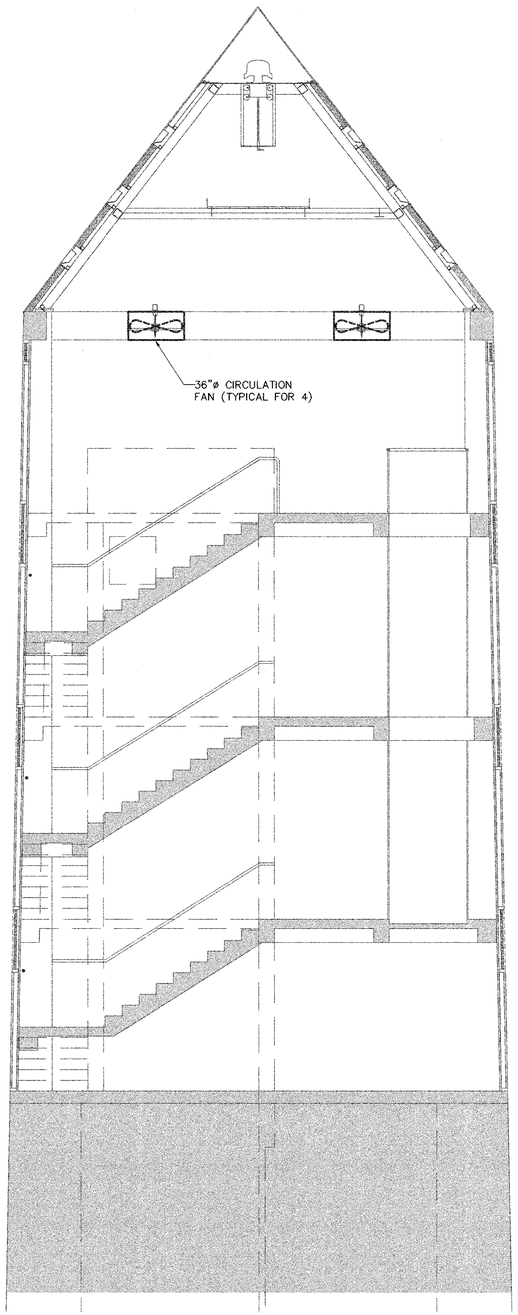
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

M100

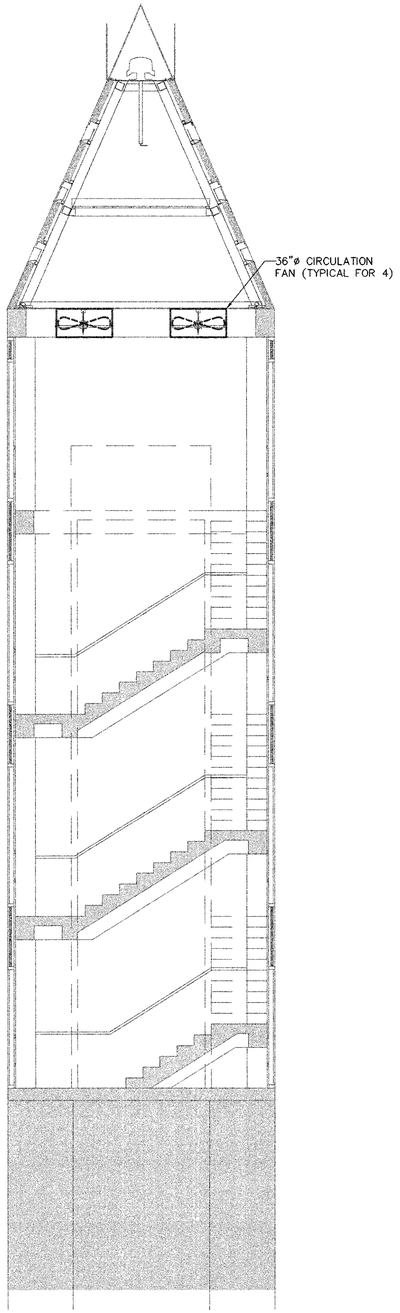
SHEET NUMBER

A35

OF 43



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



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

Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PIN 7965.40

BRIDGE NO. 6421

BRIDGE PLANS

STATE OF MAINE * REGISTERED PROFESSIONAL ENGINEER *
Michael A. Ambrosino
10704
Date 12/31/05

PROJ. MANAGER	W.J.IRONLEDER		
DESIGN-DETAILED	J. MCGREEVY	10-15-04	
CHECKED-REVIEWED	D. MICHEL		
DESIGNS-DETAILED2			
DESIGNS-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

SECTIONS

SHEET NUMBER

A36

OF 43

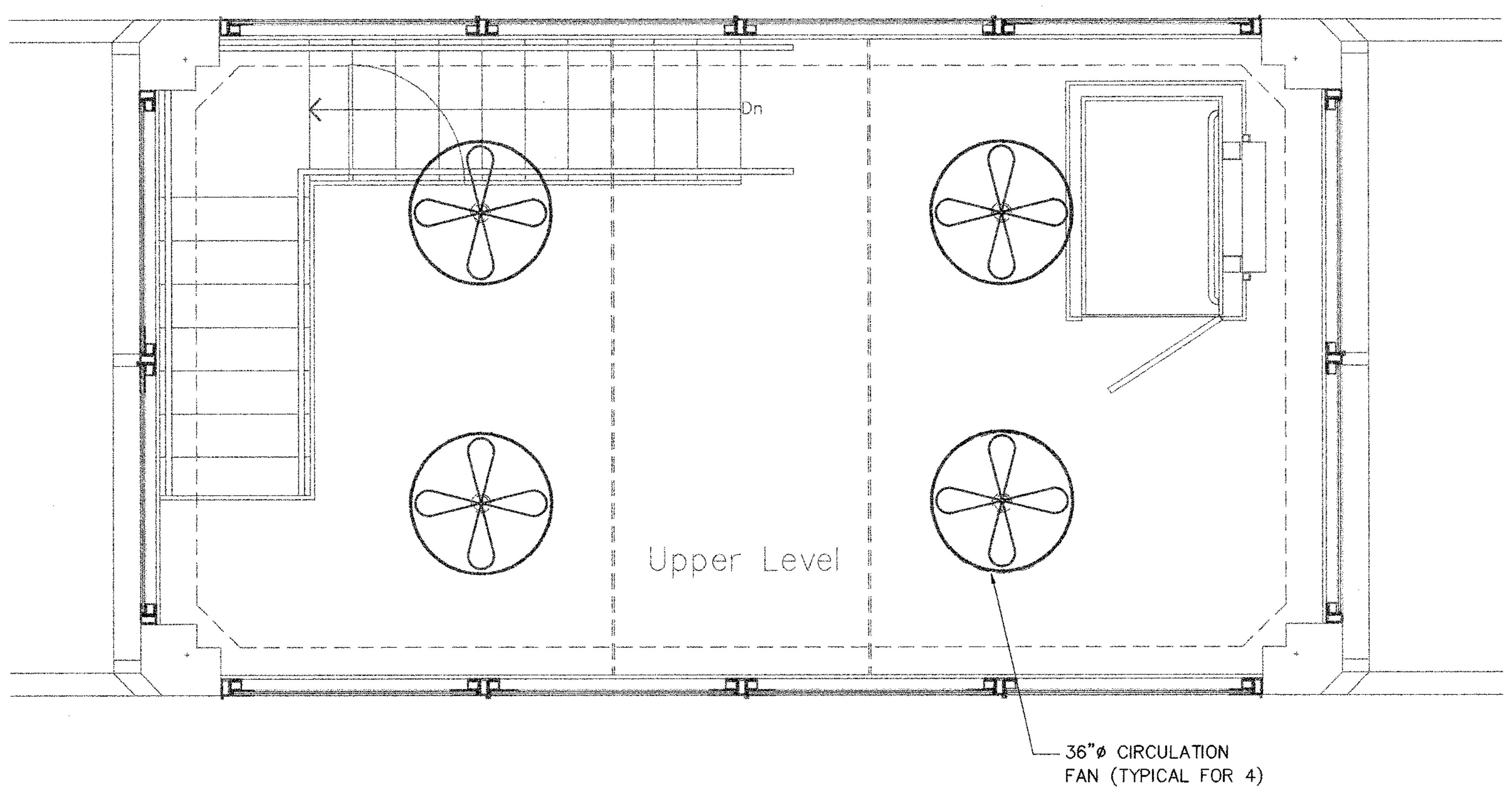
Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

M200

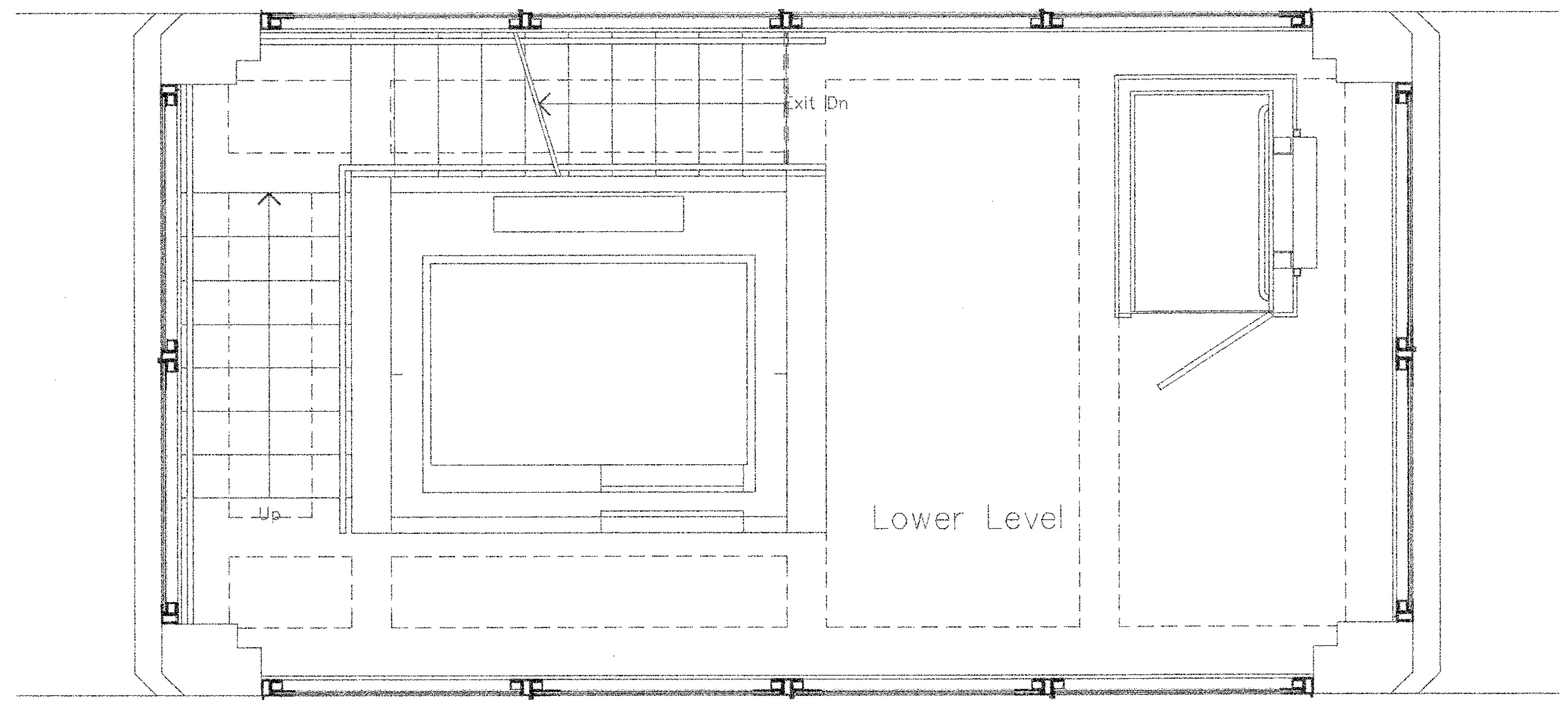
Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

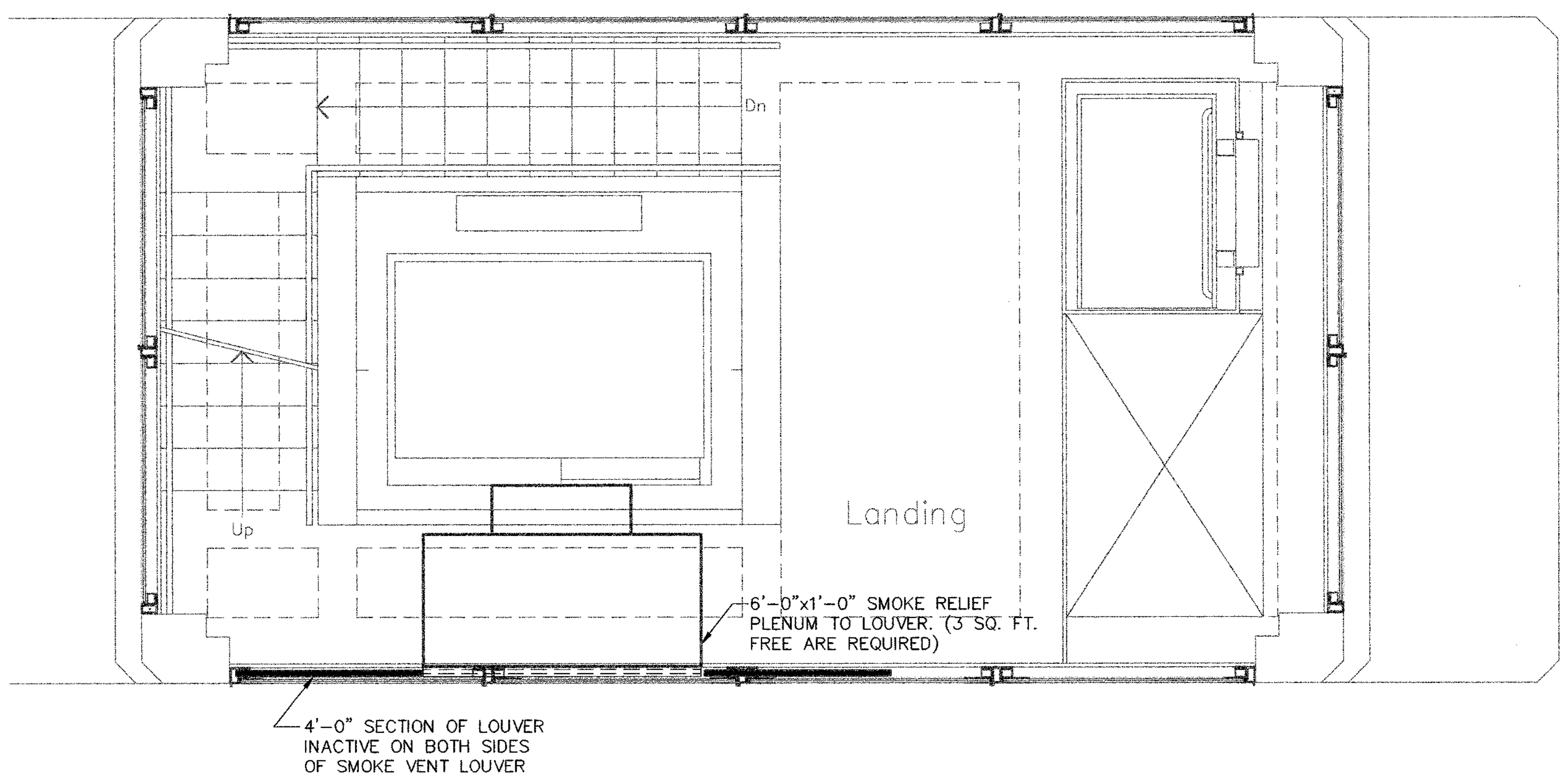
4 Upper Level
3/8"=1'-0"



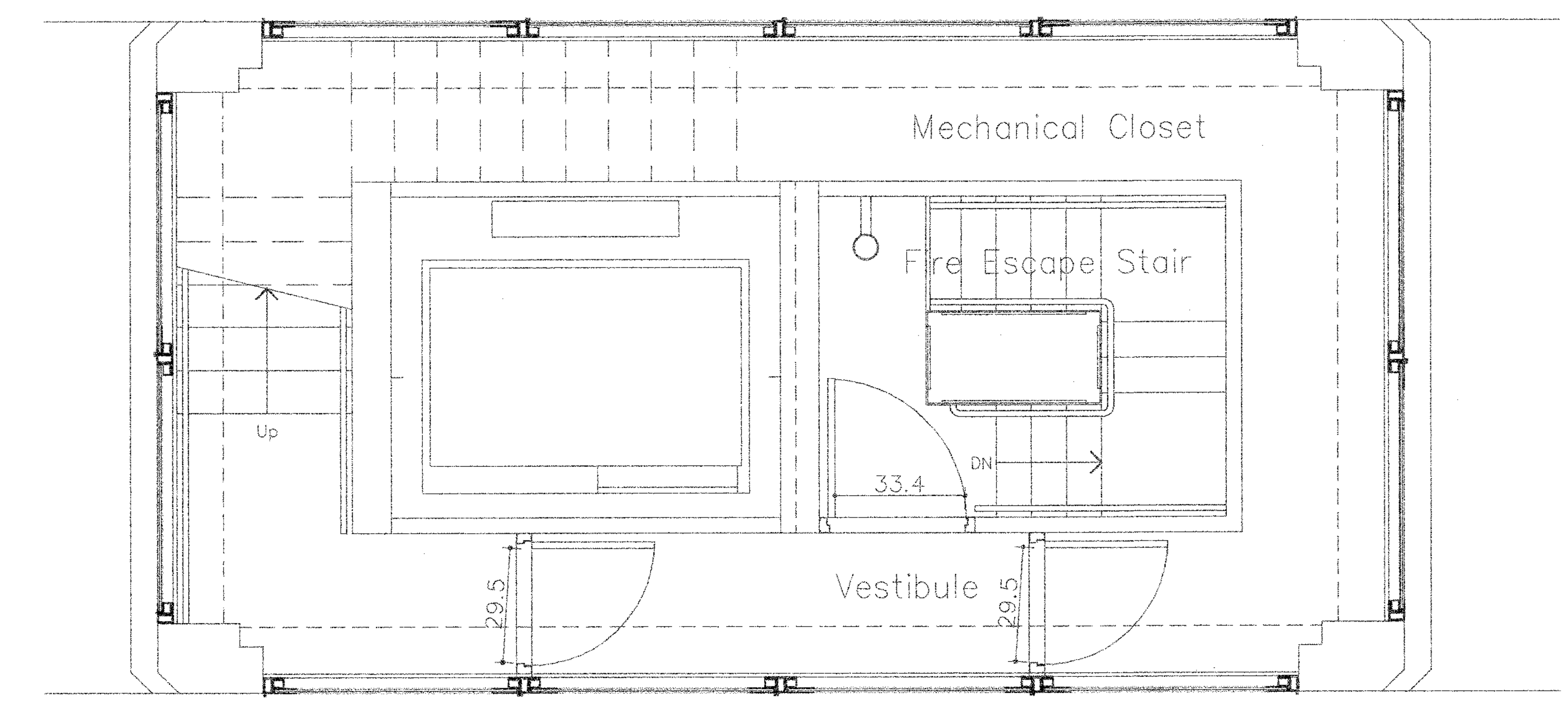
2Lower Level
3/8"=1'-0"



6 Landing
3/8"=1'-0"



5 Fire Exit / Mechanical Level
3/8"=1'-0"



Legend Notes

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

M201

Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN
7965.40

BRIDGE NO. 6421

STATE OF MAINE · PROFESSIONAL ENGINEER

		BY	DATE
PROJ. MANAGER	W.J.ROHLEDER		
DESIGN-DETAILED	J. MCGREEVY	J. MCGREEVY	10-15-04
CHECKED-REVIEWED	D. MICHEL	D. MICHEL	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

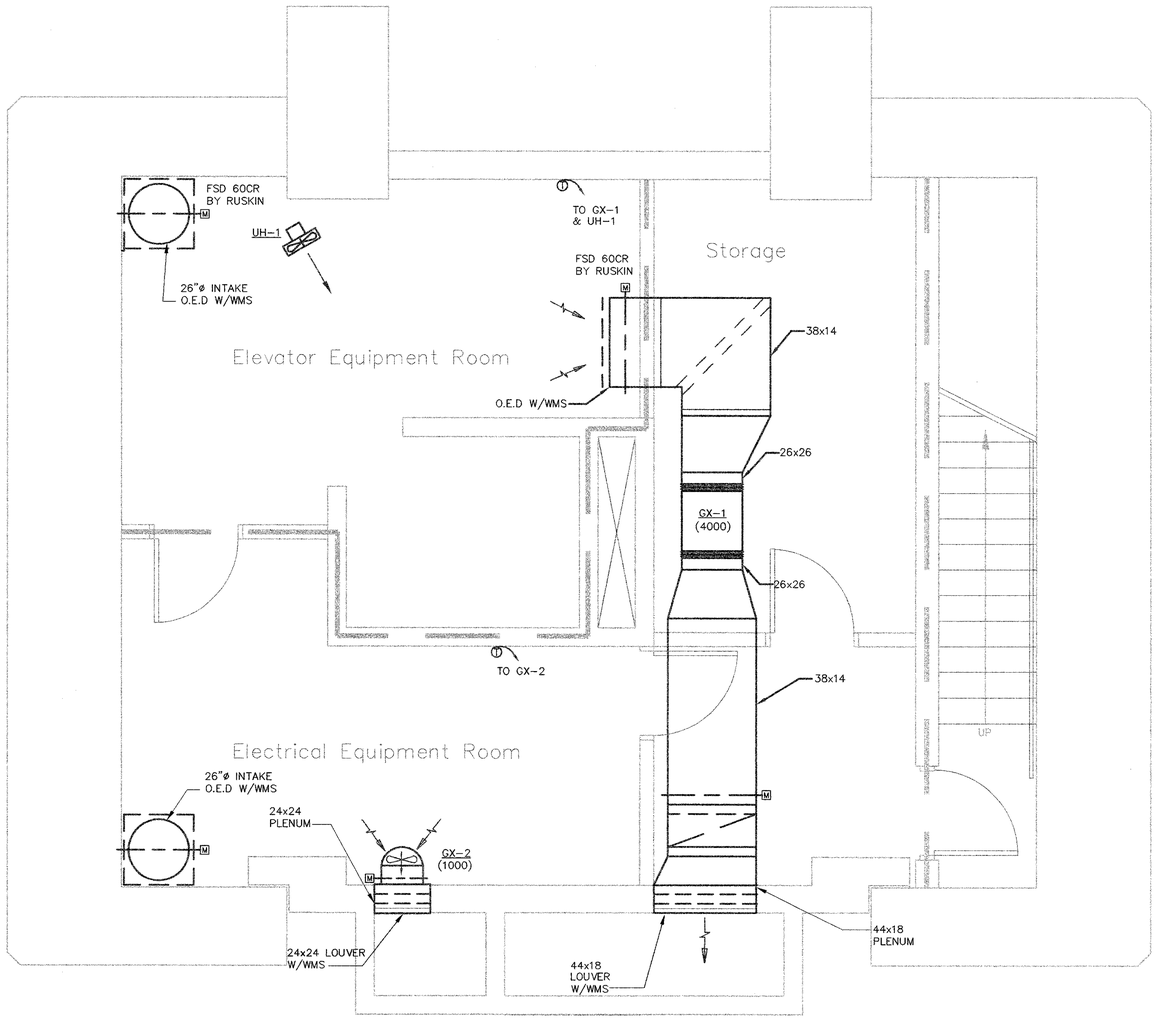
P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

OBSERVATORY
PLANS

SHEET NUMBER
A37
OF 43



Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 6421

PIN 7965.40

BRIDGE PLANS

STATE OF MAINE
ANTHONY A. AMBROSINO
10704
Exp: 12/31/05
REGISTERED PROFESSIONAL ENGINEER

PROJ. MANAGER	W.J.ROHLEDER		
DESIGN-DETAILED	J. MCGREEVY	10-15-04	
CHECKED-REVIEWED	D. MICHEL		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

BASE PLAN

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

M300

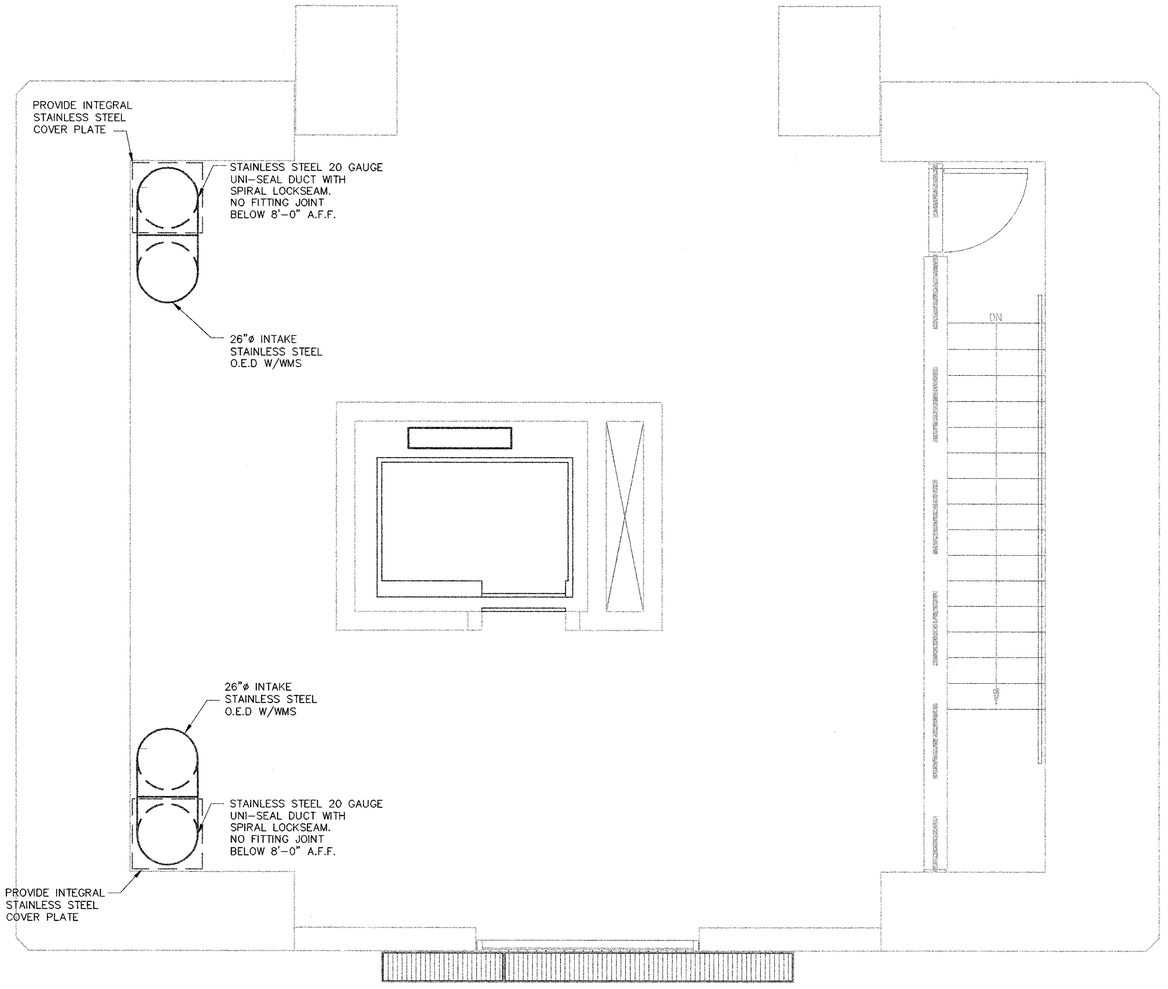
Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER

A38

OF 43



Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 6421

PIN 7965.40

BRIDGE PLANS

STATE OF MAINE * WILLIAM A. AMBROSINO 10301 REGISTERED PROFESSIONAL ENGINEER *

SIGNATURE		
P.E. NUMBER		
DATE		

PROJ. MANAGER	W.JROHLEDER	
DESIGN-DETAILED	J. MCGREEVY	10-15-04
CHECKED-REVIEWED	D. MICHEL	
DESIGN2-DETAILED2	D. MICHEL	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

BASE
PLAN 2

SHEET NUMBER

A39

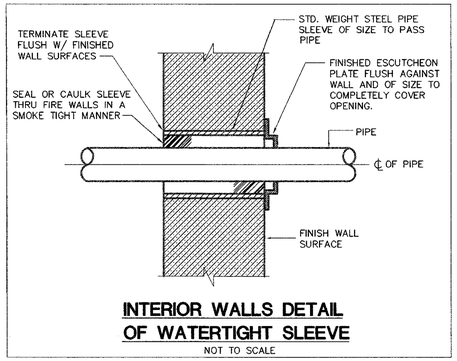
OF 43

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

M301

Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

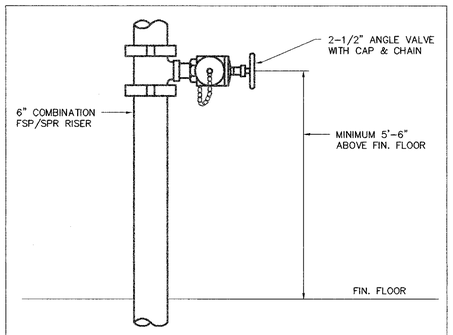


INTERIOR WALLS DETAIL OF WATERTIGHT SLEEVE

NOT TO SCALE

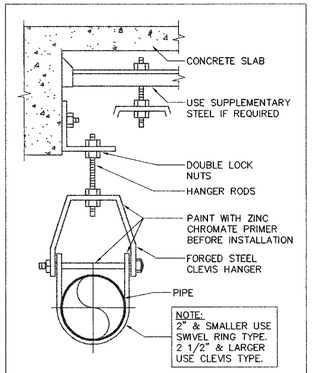
NOTE: ADDITIONAL SPRINKLERS

A. CONTRACTOR SHALL ALLOW FOR ADDITIONAL 5 SPRINKLER HEADS IN HIS BID IN ADDITION TO THOSE INDICATED ON THE SPRINKLER PLANS.



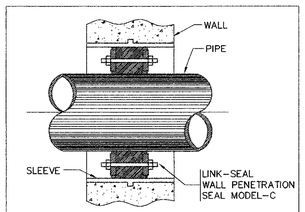
STANDPIPE CONTROL VALVE ASSEMBLY

NO SCALE



PIPE SUPPORT DETAIL

NO SCALE



EXTERIOR WALLS DETAIL OF WATERTIGHT SLEEVE

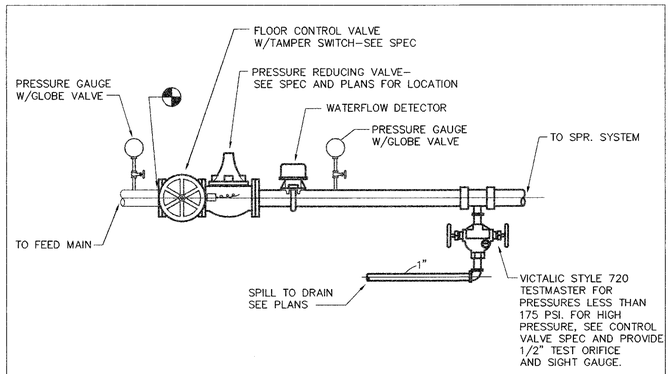
NO SCALE

SYMBOL LIST

F/SP		NEW FIRE PROTECTION PIPING	
WFS	WATERFLOW SWITCH	HC	HUNG CEILING
FCV	FLOOR CONTROL VALVE		CONNECT TO EXISTING
CV	CHECK VALVE		NEW UPRIGHT SPRINKLER
RN	RISER NIPPLE		NEW CONCEALED SPRINKLER
CM	CROSSMAIN		NEW EXPOSED PENDENT SPKR
FM	FEEDMAIN	TS	TAMPER SWITCH
AS	AUTOMATIC SPRINKLER	TYP	TYPICAL
	RISER	CLG	CEILING
	CONTROL VALVE	DR	DRAIN RISER
F	COMBINED SPRINKLER/ STANDPIPE RISER	PRV	PRESSURE REDUCING VALVE
			HYDRAULIC REFERENCE POINT
FD	FLOOR DRAIN		

EQUIPMENT SCHEDULE

ITEM	MANUFACTURER/MODEL No	COMMENTS
SPRINKLER HEADS UPRIGHT PENDENT	RELIABLE # MODEL G MODEL G	FINISH AS SPEC'D BY ARCH.
CONTROL VALVES	MILWAUKEE VALVE COMPANY BB-HSCS02 or BB-VHSCS02	2 1/2" AND SMALLER
	NIBCO F-667-O	OS + Y
TAMPER SWITCHES	NOTIFIER OSY2 OR PIBV2	U.L. LISTED
WATER FLOW ALARMS	RELIABLE MODEL "A"	U.L. LISTED PADDLE TYPE
PIPING	ASTM A-795 OR A-53 SCHEDULE 40 GALVANIZED STANDARD WEIGHT	2" AND SMALLER THREADED GALVANIZED STEEL FITTINGS 2 1/2" AND LARGER ROLL GROOVED ENDS WITH VICTAULIC STYLE 77 COUPLINGS AND GALVANIZED FITTINGS
PRV	CLA-VAL 90G-21 KC	
EXPANSION JOINTS	VICTAULIC STYLE 155	
CHECK VALVES	NIBCO MODEL F-968-B 500 PSI WWP	IRON BODY, HORIZONTAL SWING, BOLTED BONNET
FOR ADDITIONAL INFORMATION SEE PROJECT SPECIFICATIONS		



FLOOR CONTROL VALVE DETAIL

NO SCALE

Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN 7965.40

BRIDGE NO. 6421

STATE OF MAINE — MICHAEL ANTONIO AMBROSINO — 13284 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE	P.E. NUMBER	DATE
PROJ. MANAGER	W.J.ROHLEDER		
DESIGN-DETAILED	J.TAGLIAFERRO		10-15-04
CHECKED-REVIEWED	J.TAGLIAFERRO		
DESIGN2-DETAILED2	J.TAGLIAFERRO		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

FIRE PROTECTION SYMBOL LIST, DETAILS AND NOTES

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

F100

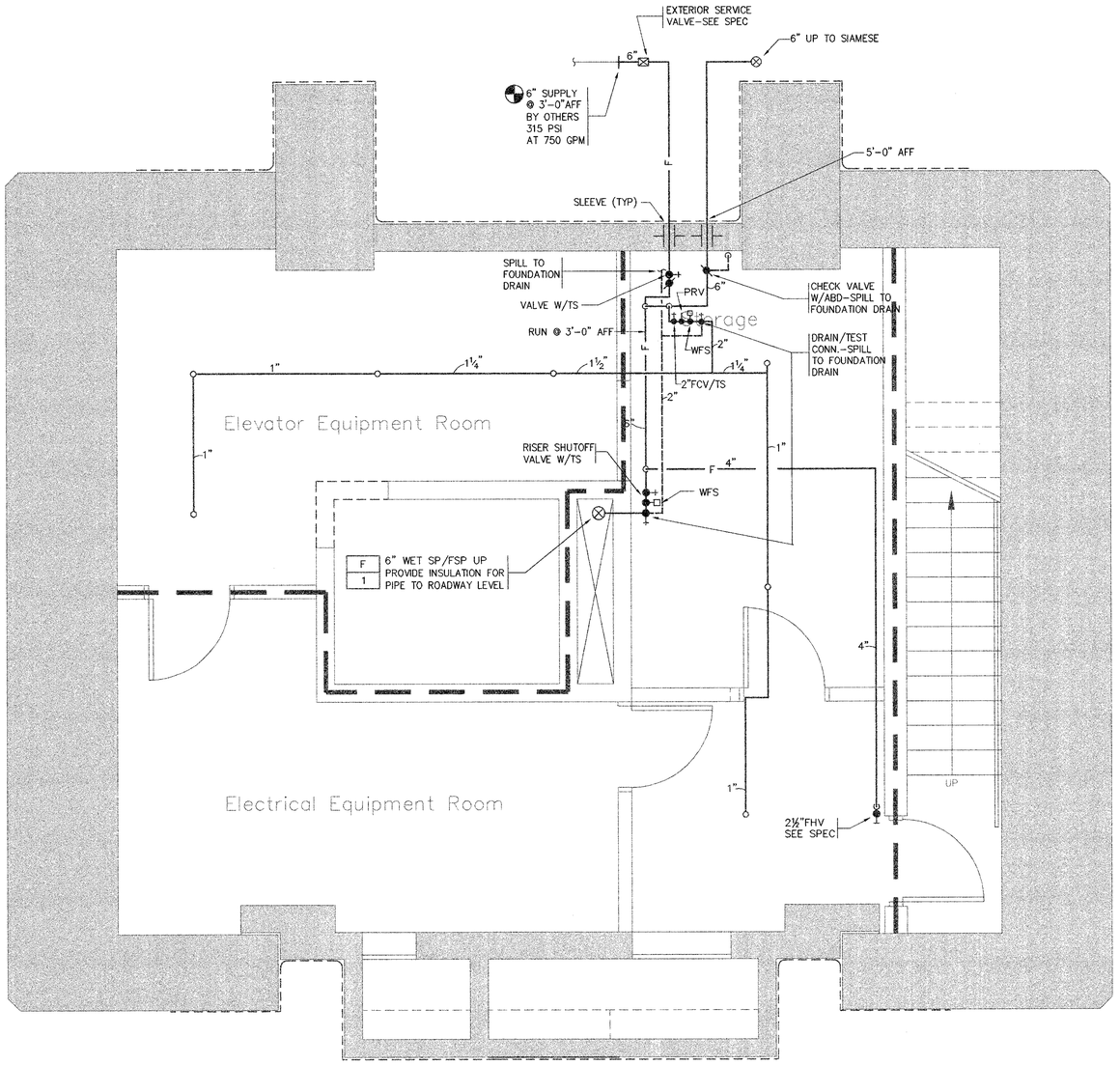
Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER

A40

OF 43



Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 6421

PIN 7965.40

BRIDGE PLANS

STATE OF MAINE * REGISTERED PROFESSIONAL ENGINEER * Michael A. Anthonisen 12031 Exp. 12/31/06

	NAME	BY	DATE
PROJ. MANAGER	W.J.ROHLEDER		
DESIGN–DETAILED	L.TAGLIAFERRO	L.TAGLIAFERRO	10-15-04
CHECKED–REVIEWED	L.TAGLIAFERRO	L.TAGLIAFERRO	
DESIGN2–DETAILED2			
DESIGN3–DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

BASE FIRE PROTECTION PLAN 1

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, FL • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

F101

SHEET NUMBER

A41

OF 43

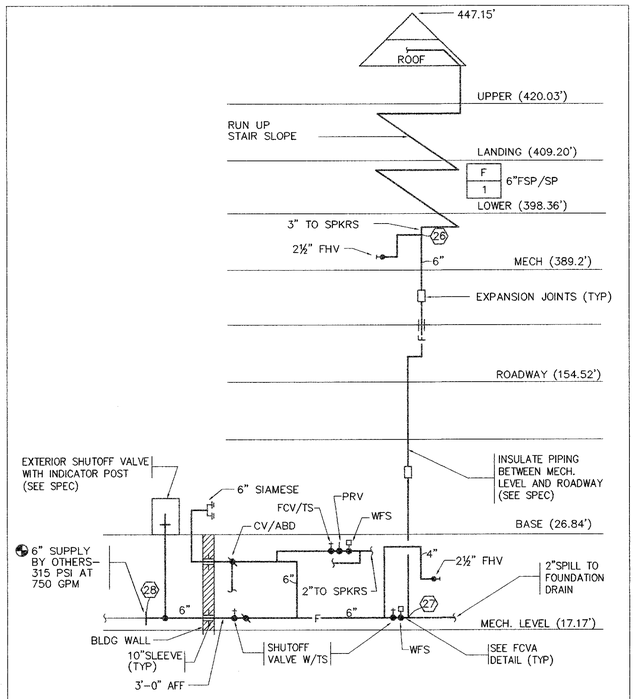
NOTE:
CONTRACTOR SHALL PROVIDE CONCRETE FOUNDATION FOR HIGH PRESSURE VALVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION TO BE PAID AS INCIDENTAL TO THE COST OF PAY ITEM 900.15400 PLUMBING FIRE PROTECTION (OBSERVATORY).

6" SIAMESE
NEAR PARKING LOT–
LOCATE PER DEPT's DIRECTION

EXTERIOR SERVICE
VALVE INDICATOR POST
LOCATE PER DEPT's DIRECTION

F
1
6"WET SUPPLY
UP–PROVIDE INSULATION
AND EXPANSION JOINT
(SEE RISER DIAGRAM)

DN



FIRE PROTECTION RISER
NO SCALE

Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN 7965.40

BRIDGE NO. 6421

PROJ. MANAGER	W.J.ROHLEDER		
DESIGN–DETAILED	J.TAGLIAFERRO	J.TAGLIAFERRO	10–15–04
CHECKED–REVIEWED	J.TAGLIAFERRO	J.TAGLIAFERRO	
DESIGN2–DETAILED2	J.TAGLIAFERRO	J.TAGLIAFERRO	
DESIGN3–DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT–VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

BASE FIRE PROTECTION
PLAN 2 AND RISER

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, FL • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

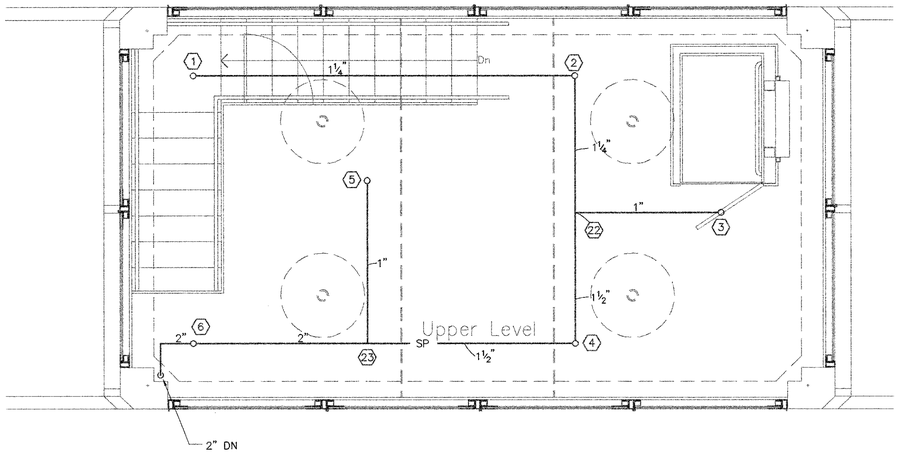
F102

SHEET NUMBER

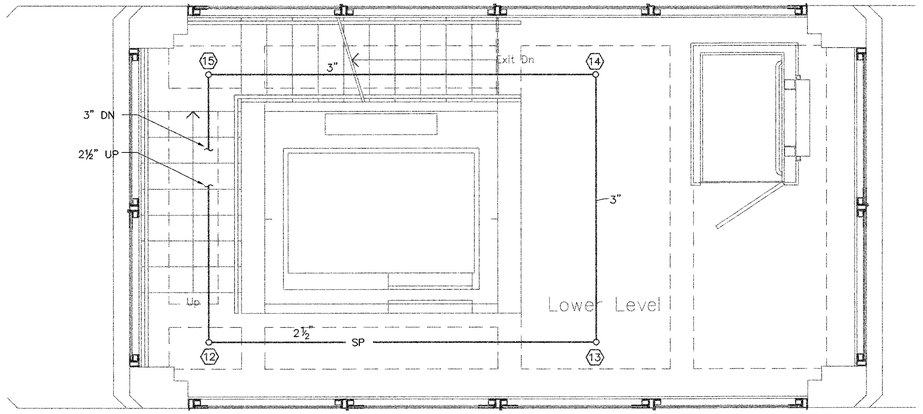
A42

OF 43

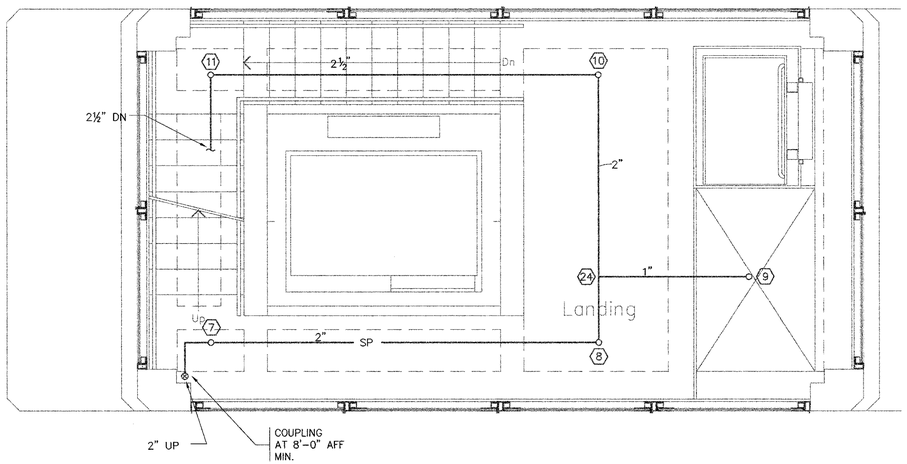
4 Upper Level
3/8"=1'-0"



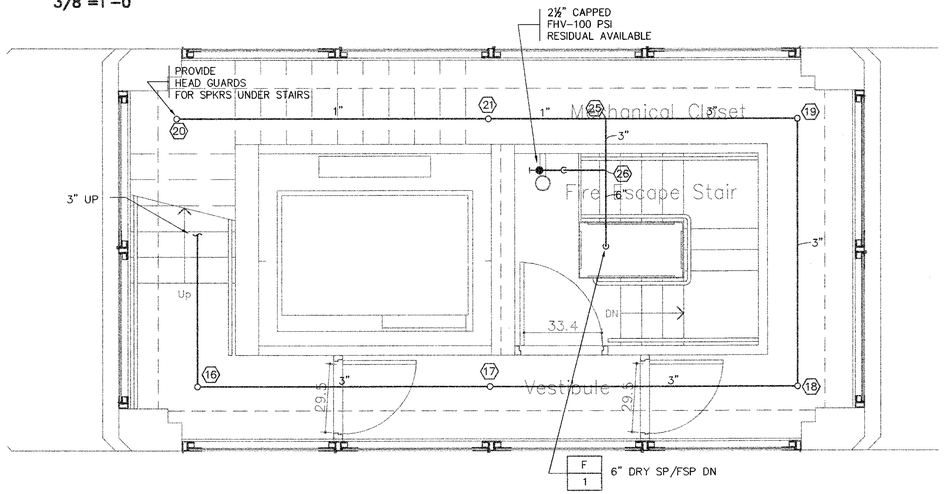
2Lower Level
3/8"=1'-0"



6 Landing
3/8"=1'-0"



5 Fire Exit / Mechanical Level
3/8"=1'-0"



Legend Notes

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

BRIDGE PLANS

PIN 7965.40

BRIDGE NO. 6421

STATE OF MAINE * REGISTERED PROFESSIONAL ENGINEER * Michael Ambrosino 10704

PROJ. MANAGER	W.JROHLEVER		
DESIGN-DETAILED	J.TAGLIAFERRO	10-15-04	
CHECKED-REVIEWED	J.TAGLIAFERRO		
DESIGN2-DETAILED2	J.TAGLIAFERRO		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

PROSPECT-VERONA BRIDGE
PENOBSCOT RIVER
PROSPECT\VERONA WALDO\HANCOCK CTY

OBSERVATORY FIRE PROTECTION PLANS

Thomas Phifer and Partners
180 Varick Street
New York, New York 10014
212 337 0334

F103

Ambrosino DePinto Schmieder
Consulting Engineers, PC
275 Seventh Avenue
New York, NY 10001

Figg Bridge Engineers, Inc.
424 North Calhoun Street
Tallahassee, Florida 32301
• Tallahassee, Fl. • Denver, Co. • Philadelphia, Pa. • Dallas, Tx. •

SHEET NUMBER

A43

OF 43

GOVERNING CODE: ASME A17.1-2000

LOCATED IN SEISMIC RISK ZONE NUMBER: 2

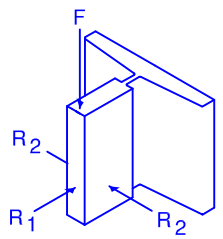
REQUIRED TO ADHERE TO ASME A17.1 CODE "SECTION 8.4 ELEVATOR SAFETY REQUIREMENTS FOR SEISMIC RISK ZONE 2 OR GREATER"? YES

OVERHEAD REACTIONS

ALL LIVE LOADS ARE DOUBLED FOR IMPACT.
REFER TO MACHINE ROOM PLAN FOR LOCATIONS OF REACTIONS.

R1- 26,400#	R2- 11,500#	R3- 11,700#	R4- 530#

RAIL REACTIONS AND FORCES



RAIL AND BUFFER REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

REACTIONS ARE PER EACH RAIL.

'F' FORCE IS DOWNWARD ON PIT.

		R_1	R_2	F
CAR	NORMAL LOADING	147#	88#	———
	NORMAL RUNNING	147#	59#	———
	EARTHQUAKE (CAR)	1,167#	583#	———
	SAFETY APPLICATION	495	———	9,570#
CWT.	EARTHQUAKE (CWT.)	1,167#	583#	———
	SAFETY APPLICATION	———	———	———

BUFFER SUPPORT IMPACTS

36,100# ON EACH OF (1) CAR BUFFER SUPPORT(S)

29,700# ON EACH OF (1) CWT. BUFFER SUPPORT(S)

PURCHASER TO PROVIDE

1. Complete hoistway, pit and machinery room meeting the requirements of the governing code or authority and the necessary barricades inside and outside of the hoistway. This to include pit ladders, access doors, ventilation, etc. Hoistway to be square and plumb within 1/2".
2. Suitable illumination, convenience outlets, heat and ventilaltion in the machinery space. Maintain machine room temperature between 50 and 100 degrees F.
3. Power and light switches in accordance with the governing code or authority.
4. Suitable feeder of branch wiring circuits as required to controller, signal systems and power operated doors, including main line switch.
5. A.C. outlet in hoistway for car lighting as located on drawings.
6. Support for guide rail brackets, machine and sheave beams and reinforced concrete machine room floor slab of thickness specified which must not be poured until machine beams are set in place.
7. Hoisting beam or suitable supports for hoisting.
8. Door frames, sills and track supports for freight elevators with counterbalanced doors. Sill recesses and sill supports for elevators with swinging or horizontal sliding doors. Grouting of sills. NOTE: All hatch walls at entrances to be erected after door sills and frames are in place.
9. All cable guards in machine room or secondary decks as required by local authorities.

SYMBOL KEY

- (A) HALL STATION
- (B) CAR STATION
- (C) HALL POSITION INDICATOR
- (D) CAR POSITION INDICATOR
- (E) LIMIT SWITCHES (TERMINAL LANDING)
- (F) LEVELING SWITCHES
- (G) TRAVELING CABLES FOR CONTROL
- (H) 110 VOLT GFCI OUTLET FOR ELEV. LIGHTS (BY OTHERS)
- (J) PIT ACCESS DOOR WITH CLOSURE & APPROVED LOCK SET (BY G.C.)
- (K) ELEV. STOP SWITCH (IN PIT)
- (L) PIT LIGHT SWITCH (BY OTHERS)
- (M) TENSION WEIGHT
- (N) CENTRIFUGAL GOVERNOR (SUPPORT BY OTHERS)
- (P) CONTROLLER (82.5"H x 39"W x 16"D)
- (Q) LOCKABLE & FUSED ELECTRICAL DISCONNECT SWITCH (BY OTHERS)
- (R) OVERHEAD SHEAVE & D.E.H. CHANNELS
- (S) #624 ROPE GRIPPER WITH PUMP UNIT (H-W)
- (T) LIGHT SWITCH (BY OTHERS)
- (U) OIL BUFFER
- (V) TOP EMERGENCY EXIT (16" x 25" MIN. WITH CONTACT)
- (W) PIT CHANNEL (BY H-W)
- (X) SEISMIC "SPLICE-PLATE" GUIDE RAIL FISHPLATES
- (Y) SEISMIC "TEE-SECTION" GUIDE RAIL FISHPLATES
- (Z) BUFFER INSPECTION LADDER (BY STANLEY ELEV.)
- (AA) ROPE COMPENSATION GUIDE SHEAVE ASSEMBLY
- (BB) CAR RIDING LANTERNS

FINAL
FEB. 22, 2006

NO.	DATE	BY	REVISIONS
B	2-22-06	VKM	ADDED NOTES & DETAIL PAGES PER APPROVAL.
A	11-2-05	VKM	ADDED NOTES & DETAILS ALL PAGES PER RETURNS, E-MAILS & FAXES.

GENERAL DATA

CAR NO.(S)	#1
CLASSIFICATION	PASSENGER (WITH CLASS "A" LOADING)
CAPACITY	2,500#
SPEED	500 F.P.M.
ROPING	2:1
OPERATION	SELECTIVE COLLECTIVE (SIMPLEX)
CONTROL	VVVF
LDGS./OPNGS.	2/2 (IN LINE)

CAR AND COUNTERWEIGHT

CAR SAFETY	#480 TYPE "B" FLEXIBLE GUIDE CLAMP (H-W)
CWT. SAFETY	———
CAR TYPE & MFR.	PASSENGER
GUIDE SHOES-CAR/CWT.	ROLLER - (ELSCO) MODEL "B" / MODEL "D"
CAR DOOR/GATE	3'-6" x 7'-0" SINGLE SPEED SIDE SLIDE
CAR FLOORING	1/2" D.A.=GRANITE FLOOR TILES + THIN SET BASE (6# SQ.FT.)

HOISTWAY ENCLOSURE

SHAFT DOORS	3'-6" x 7'-0" SINGLE SPEED SIDE SLIDE

HOISTWAY EQUIPMENT

GUIDE RAILS-CAR/CWT.	15 lbs/ft AND 8 lbs/ft
LIMIT SWITCHES	
BUFFERS/STROKE	#520 OIL / 18" STROKE (H-W)
GOVERNOR/TRP. SPD.	#207SCH CENTRIFUGAL GOVERNOR / 625 F.P.M. (H-W)
HOIST ROPES (8x19)T.S.	(5)-1/2" DIA. [DOUBLE WRAPPED]
GOV. ROPE (8x19)T.S.	(1)-3/8" DIA.
COMPENSATION	(5)-5/8" DIA. ROPE COMP. (BY OTHERS)

MACHINE DATA

MACHINE MFR.	IMPERIAL ELECTRIC COMPANY
TYPE & SIZE	DC GEARLESS MACHINE - FRAME #591
TRACTION SHEAVE	26" DIA. (IMPERIAL)
IDLER/O.H. SHEAVE(S)	26" DIA SECONDARY SHV (H-W)/25" DIA DEFLECTOR SHV (H-W)
CAR SHEAVE(S)	(1) - 25" DIA. CAR SHEAVE
	(2) - 25" DIA. OVERHEAD CAR SHEAVES
CWT. SHEAVE	(1) - 25" DIA. CWT SHEAVE
	(1) - 25" DIA. OVERHEAD CWT SHEAVE
HOIST MOTOR	30.3 HP / 146.9 RPM / 210 VOLT / 120 AMPS WITH ENCODER
ROPE GRIPPER	#624 ROPE GRIPPER WITH PUMPING UNIT & 27" HYDRO. HOSE

CONTROLLER DATA

TYPE OR STYLE	MOTION CONTROL ENGINEERING

CAR CONSTRUCTION

PLATFORM	4 1/4" STEEL CONSTRUCTION W/ ISOLATION (H-W)
CROSSHEAD	(2) - C8 x 11.5# (H-W)
STILES	(2) - C7 x 9.8# (H-W)
BOTTOM CHANNELS	(2) - C8 x 11.5# (H-W)

WEIGHTS

CAR	6,000# (INCL. 2,350# CAB + DOOR WGT.)
COUNTERWEIGHTS	7,000# (40% COUNTERBALANCE)
MACHINE	6,579#
MACH./O.H. BEAMS	800# (D.E.H. CHANNELS + D.H. SHEAVE CHANNELS)
IDLER/O.H. SHEAVE(S)	1,000# D.H. CAR SHEAVES / 500# D.H. CWT. SHEAVE
CONTROLLER	1,000#

POWER SUPPLY	480 VOLTS	3 PH.	60 CY.

PREPARED BY HOLLISTER-WHITNEY ELEVATOR CORP. FOR:

STANLEY ELEVATOR COMPANY, INC.

P.O. BOX 843; NASHUA, NEW HAMPSHIRE 03061

PHONE: (603)882-6918 FAX: (603)882-6918

TRACTION ELEVATOR LAYOUT

PROJECT: PENOBSCOT RIVER CROSSING

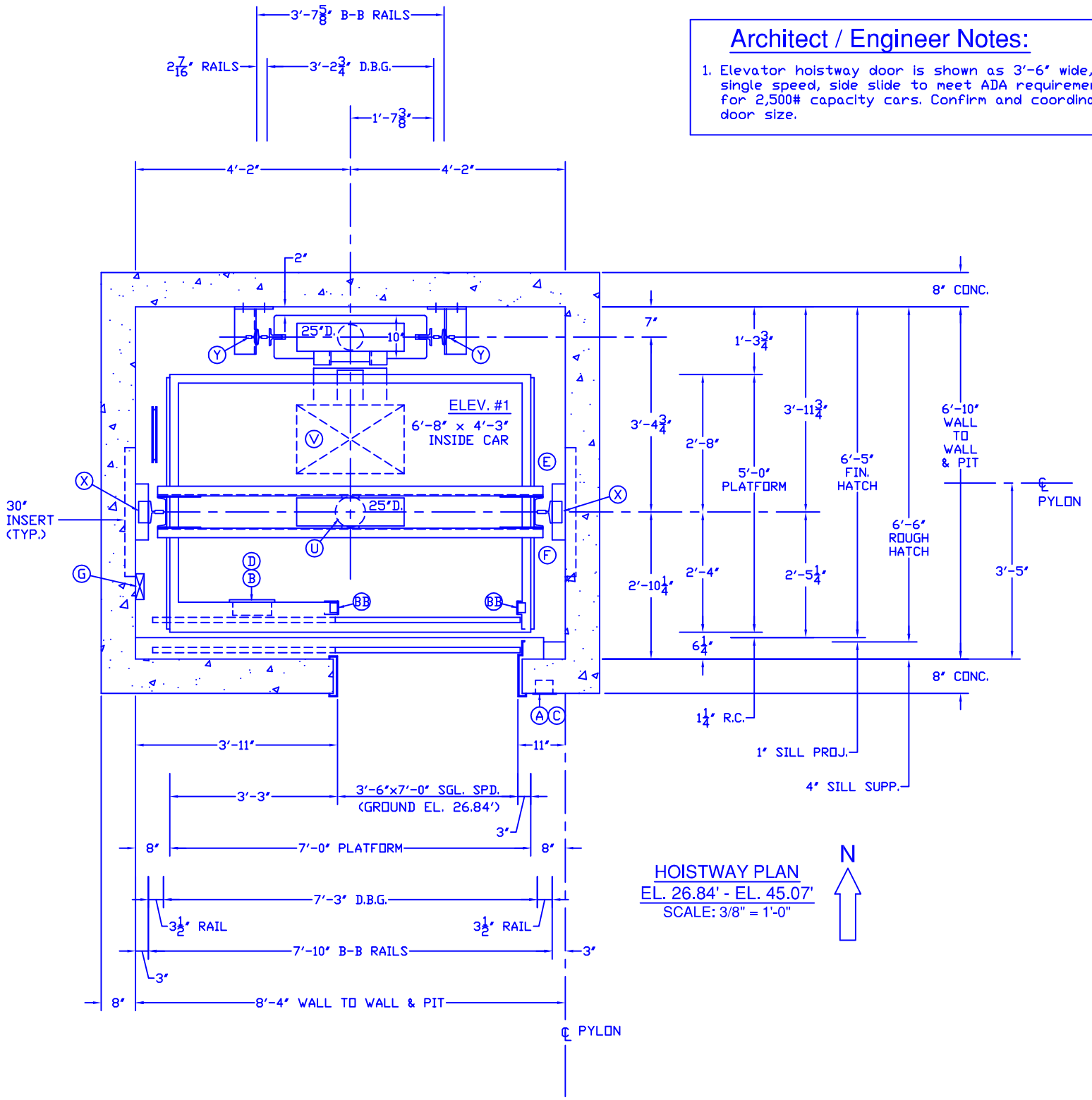
LOCATION: WALDO & HANCOCK COUNTIES, MAINE
U.S. ROUTE 1 - PENOBSCOT RIVER

ARCHITECT: THOMAS PHIFER AND PARTNERS

DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 1 of 7

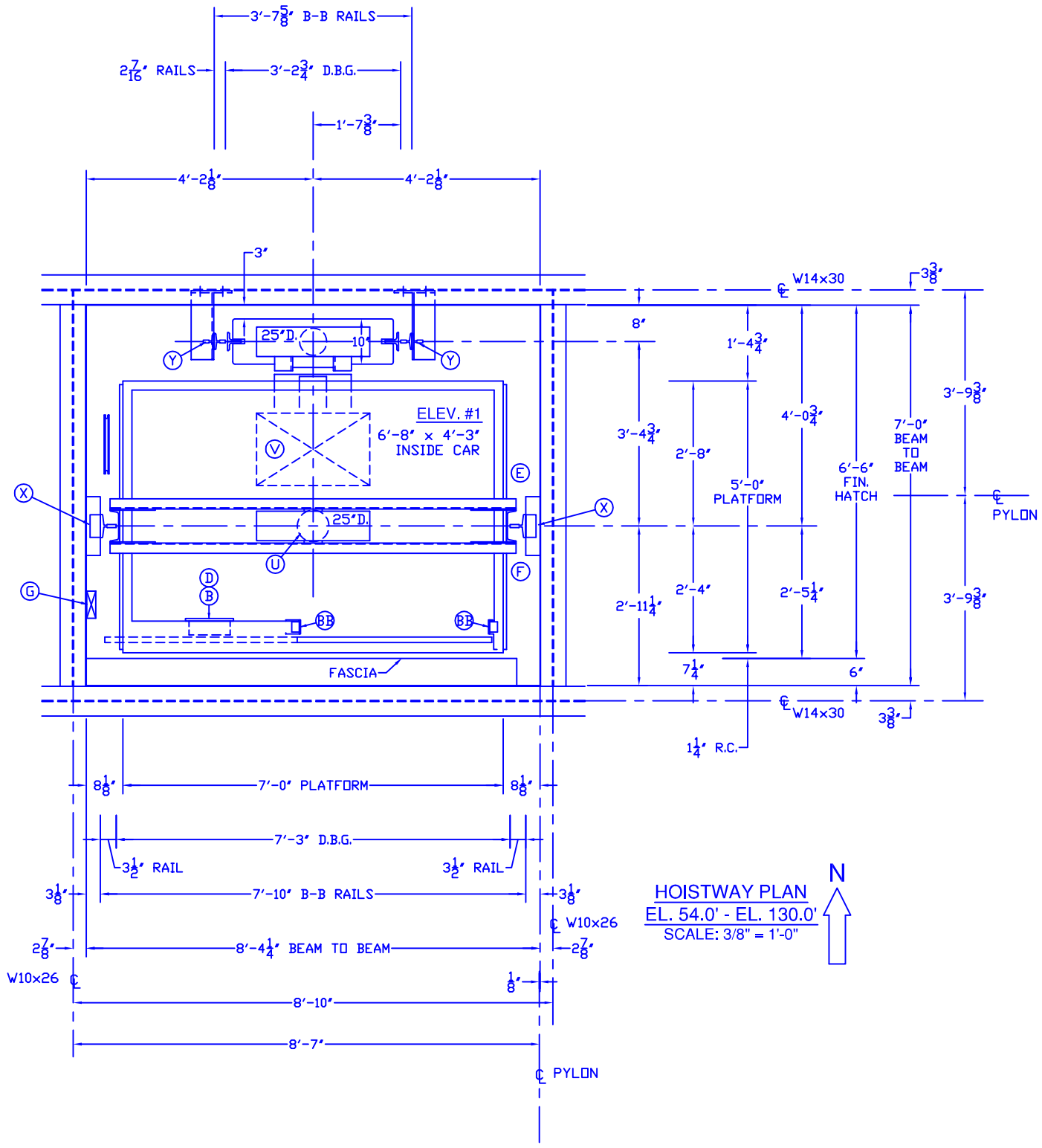
Architect / Engineer Notes:

1. Elevator hoistway door is shown as 3'-6" wide, single speed, side slide to meet ADA requirements for 2,500# capacity cars. Confirm and coordinate door size.



HOISTWAY PLAN
EL. 26.84' - EL. 45.07'
SCALE: 3/8" = 1'-0"

N



HOISTWAY PLAN
EL. 54.0' - EL. 130.0'
SCALE: 3/8" = 1'-0"

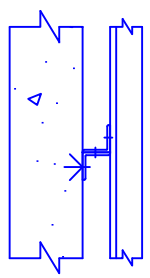
N

NOTE:

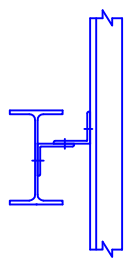
1. CONCRETE HOISTWAY WALLS FROM (PIT FLOOR) EL. 17.17' UP TO EL. 41.00'.

2. CAR RAIL BRACKET ATTACHMENT (EAST & WEST WALLS) AND COUNTERWEIGHT BRACKET ATTACHMENT (NORTH WALL) IS TO BE FLUSH TO CONCRETE WALL. SEE DETAIL 'A'. BRACKETS TO BE LOCATED AT ELEVATIONS 21.34', 28.34' & 40.00'.

3. CAR RAIL BRACKET ATTACHMENT (EAST & WEST SIDES OF HATCH) AND COUNTERWEIGHT BRACKET ATTACHMENT (REAR OF HATCH) IS TO THE WEB OF STEEL FRAMING. SEE DETAIL 'B'. BRACKETS TO BE LOCATED AT ELEVATIONS 53.5', 67.5', 81.5', 93.5', 105.5', 117.5' & 129.5'.



DETAIL "A"



DETAIL "B"

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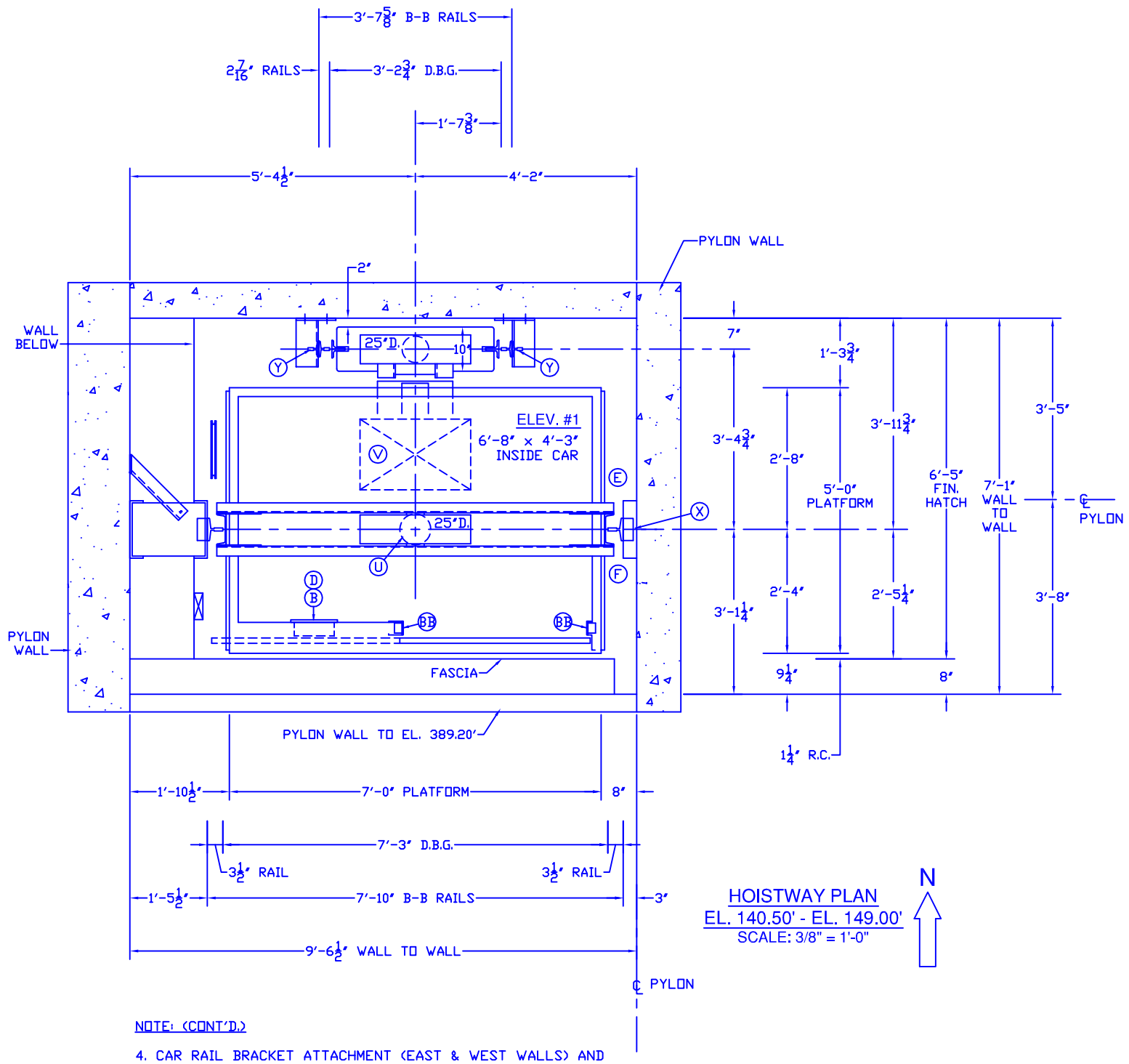
P.O. BOX 843; NASHUA, NEW HAMPSHIRE 03061
PHONE: (603)882-6918 FAX: (603)882-6918

TRACTION ELEVATOR LAYOUT

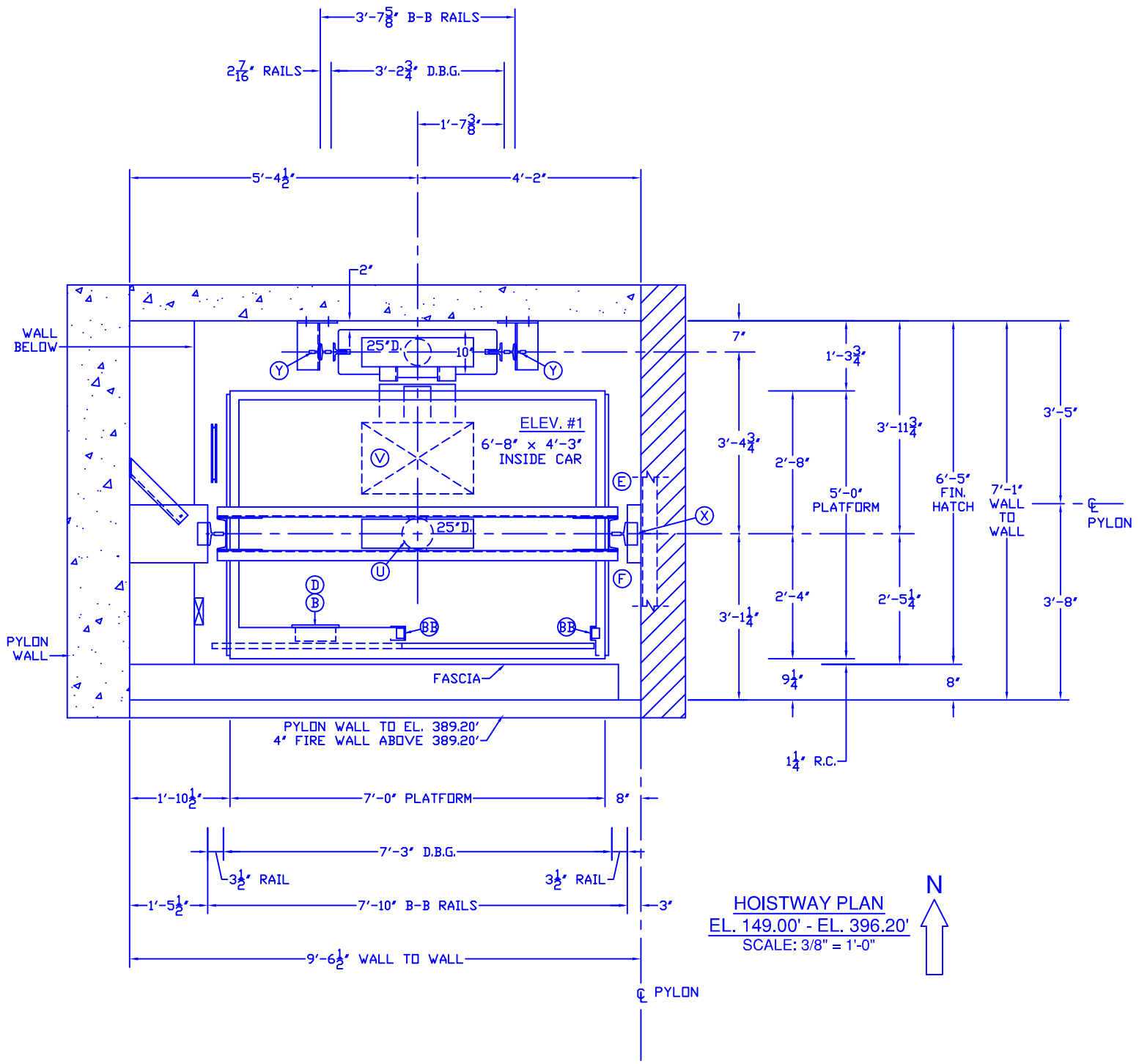
PROJECT: PENOBSCOT RIVER CROSSING

DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 3 of 7



HOISTWAY PLAN
EL. 140.50' - EL. 149.00'
SCALE: 3/8" = 1'-0"

N



HOISTWAY PLAN
EL. 149.00' - EL. 396.20'
SCALE: 3/8" = 1'-0"

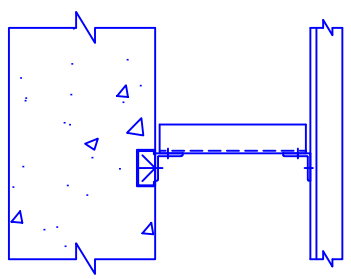
N

NOTE: (CONT'D.)

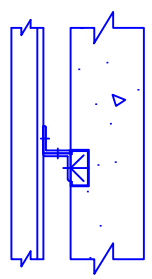
4. CAR RAIL BRACKET ATTACHMENT (EAST & WEST WALLS) AND COUNTERWEIGHT RAIL BRACKET ATTACHMENT (NORTH WALL) IS FLUSH TO CONCRETE WALL: [SEE DETAILS 'C' & 'D'] BRACKETS TO BE LOCATED AT ELEVATIONS 142.0' & 149.0'.

5. CAR RAIL BRACKET ATTACHMENT (WEST WALL) AND CWT. RAIL BRACKET ATTACHMENT (NORTH WALL) IS FLUSH TO CONCRETE WALL: [SEE DETAIL 'C'] BRACKETS TO BE LOCATED AT ELEVATIONS 156.0', 165.37', 173.62', 181.87', 190.87', 199.87', 208.87', 217.87', 226.87', 235.87', 244.87', 253.87', 262.87', 271.81', 280.87', 289.87', 298.87', 307.87', 316.87', 325.87', 334.87', 343.87', 352.87', 361.87', 370.87', & 379.87'

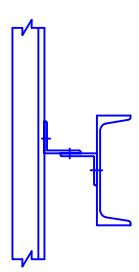
6. CAR RAIL BRACKET ATTACHMENT (EAST SIDE OF HOISTWAY) TO FACE OF CHANNEL: [SEE DETAIL 'E'] BRACKETS TO BE LOCATED AT ELEVATIONS 156.0', 165.37', 173.62', 181.87', 190.87', 199.87', 208.87', 217.87', 226.87', 235.87', 244.87', 253.87', 262.87', 271.81', 280.87', 289.87', 298.87', 307.87', 316.87', 325.87', 334.87', 343.87', 352.87', 361.87', 370.87', & 379.87'



DETAIL "C"



DETAIL "D"



DETAIL "E"

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FEB. 22, 2006

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PHONE: (603)882-6918 FAX: (603)882-6918

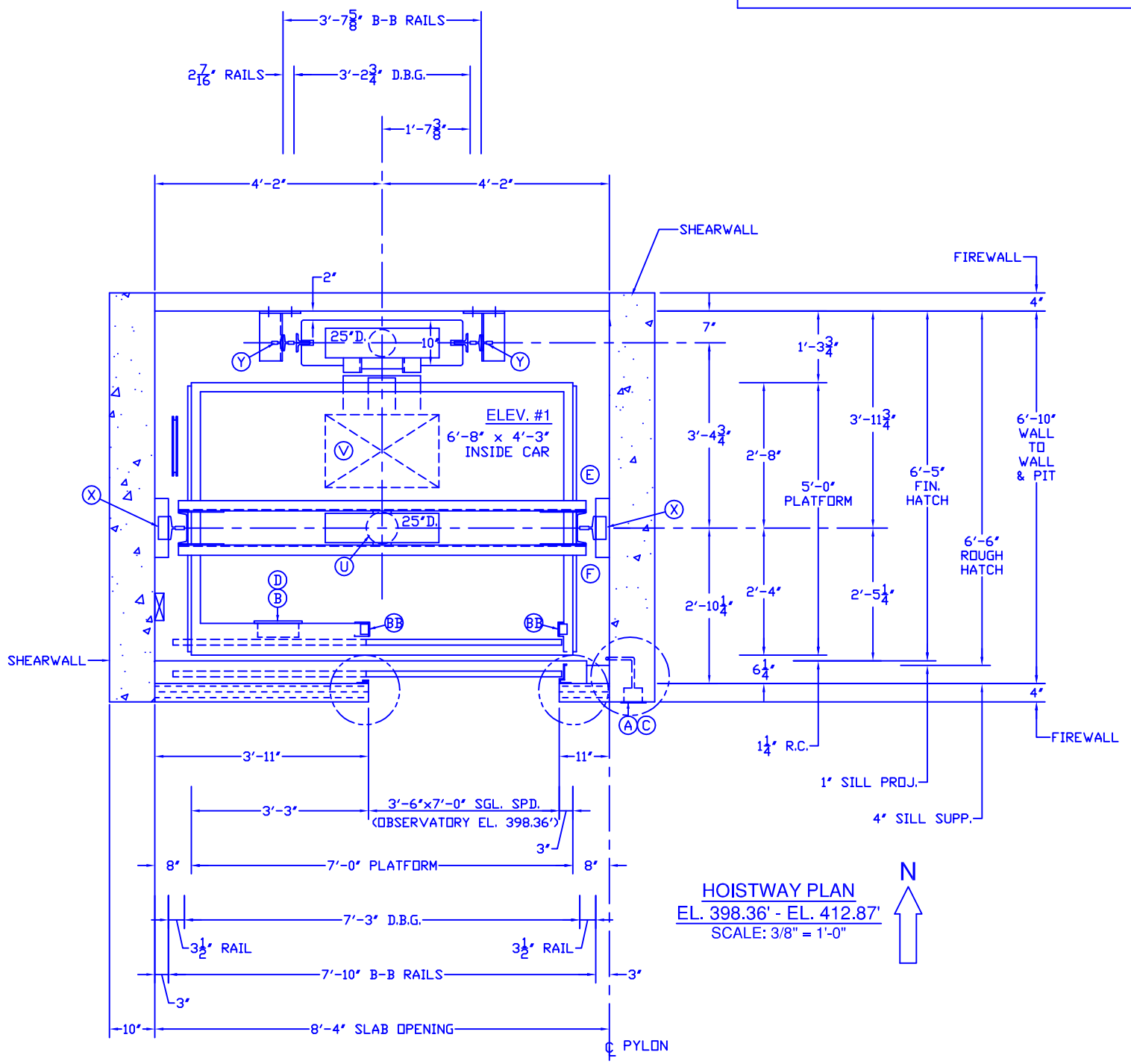
TRACTION ELEVATOR LAYOUT

PROJECT: PENOBSCOT RIVER CROSSING

DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 4 of 7

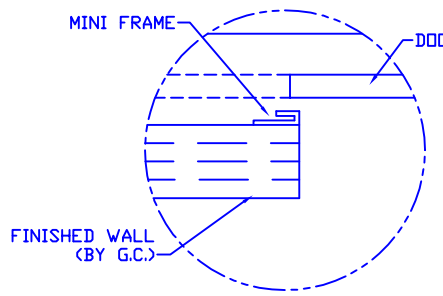
Architect / Engineer Notes:

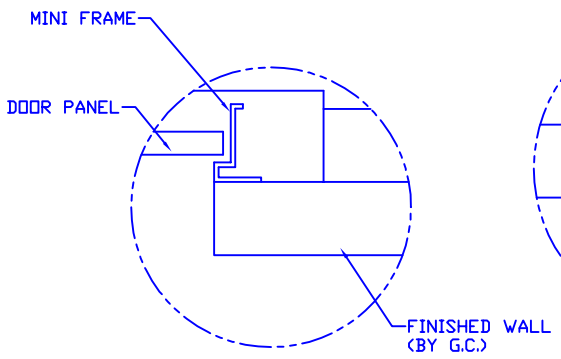
1. Elevator hoistway door is shown as 3'-6" wide, single speed, side slide to meet ADA requirements for 2,500# capacity cars. Confirm and coordinate door size.

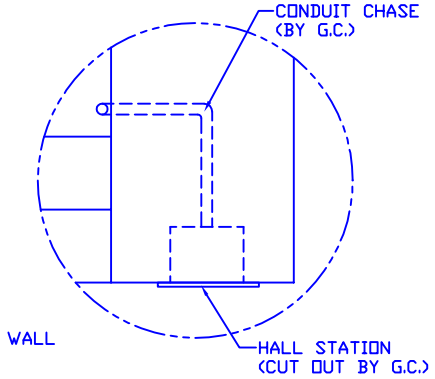


HOISTWAY PLAN
EL. 398.36' - EL. 412.87'
SCALE: 3/8" = 1'-0"

N

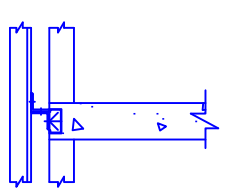






NOTE: (CONT'D)

7. CAR RAIL BRACKET ATTACHMENT (EAST & WEST WALLS) AND COUNTERWEIGHT RAIL BRACKET ATTACHMENT (NORTH WALL) IS TO FACE OF FLOOR SLAB: (SEE DETAIL "F") BRACKETS TO BE LOCATED AT ELEVATIONS 388.87', 398.0', 409.0' & 414.03'.



DETAIL "F"

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FEB. 22, 2006

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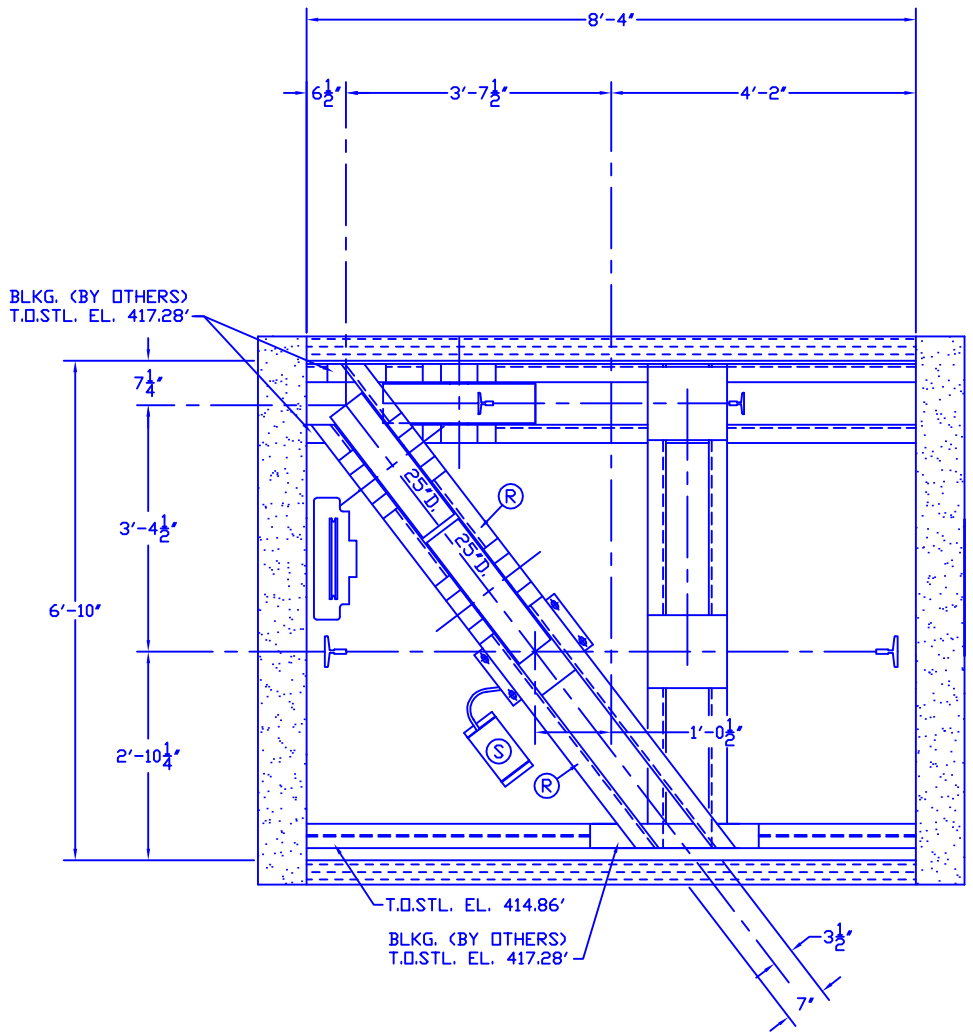
TRACTION ELEVATOR LAYOUT

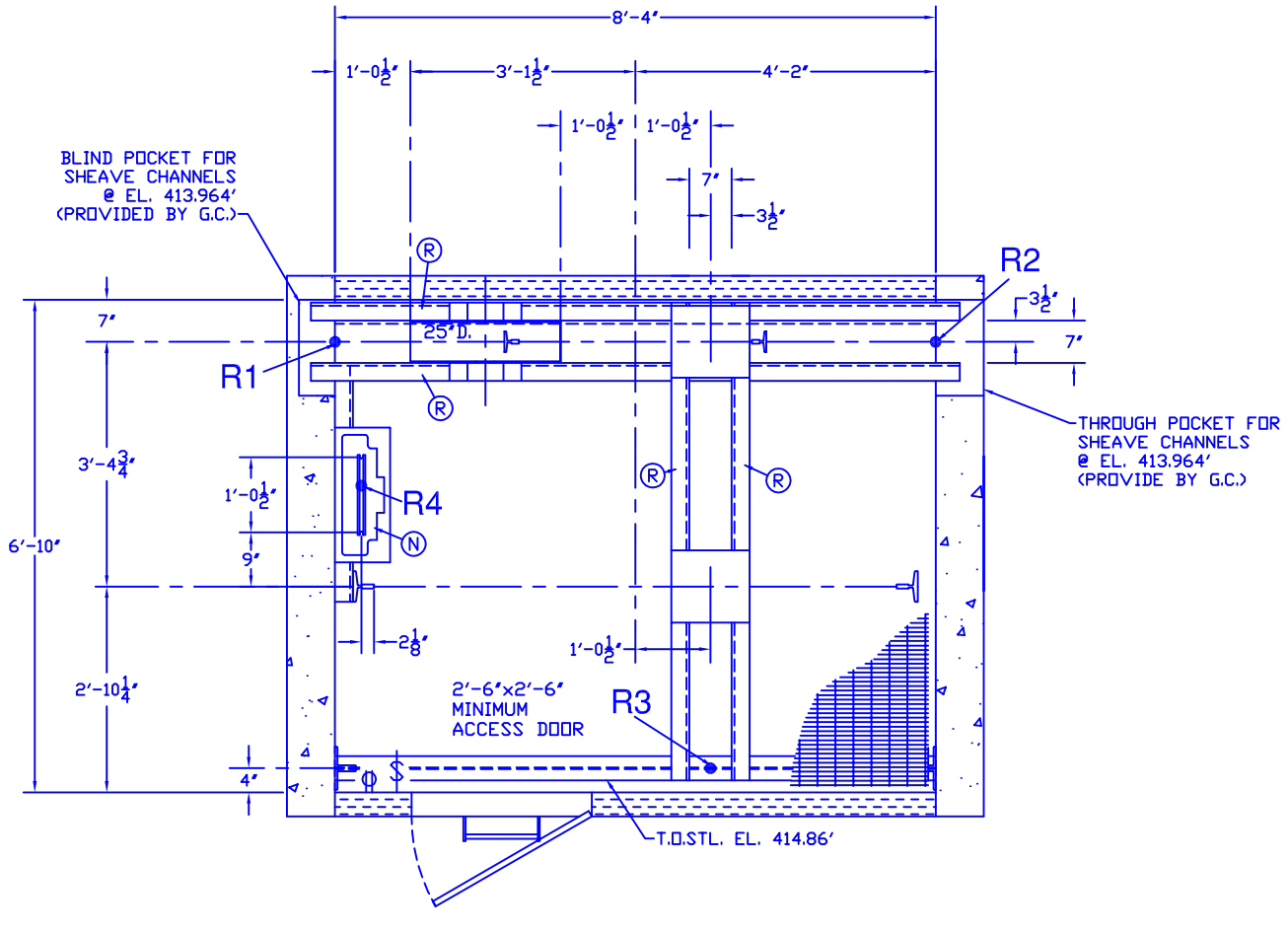
PROJECT: PENOBSCOT RIVER CROSSING

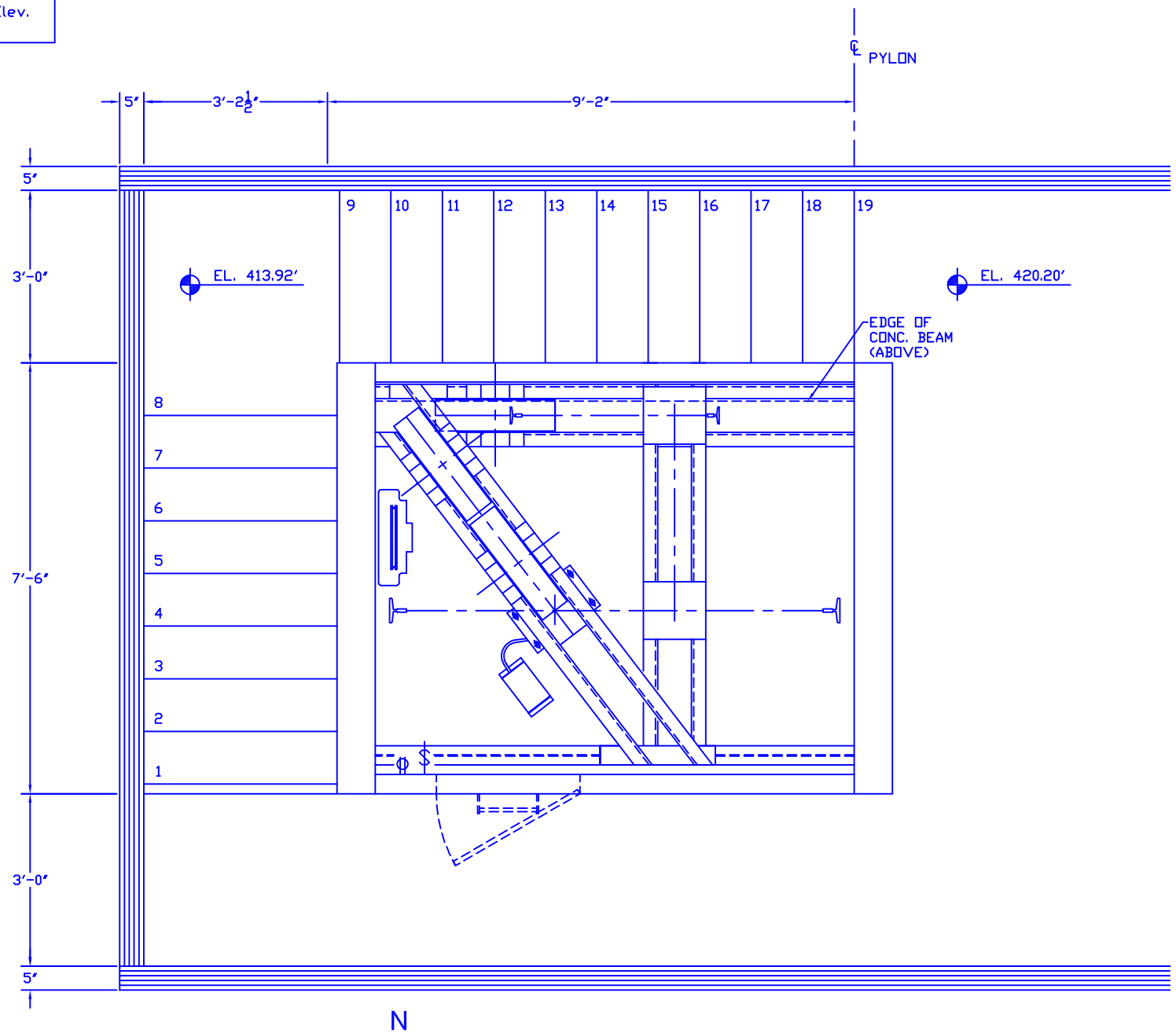
DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 5 of 7

Architect / Engineer Notes:

1. Overhead steel framing shown as noted on revised B76 received 10-20-05.
2. Additional support beams shown per Stanley Elev. Coordinate with G.C.







OVERHEAD SHEAVE SPACE
SCALE: 3/8" = 1'-0"

N

NOTE:

1. SEE SHEET 1 FOR OVERHEAD REACTIONS 'R1' THRU 'R7'.

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TRACTION ELEVATOR LAYOUT

PROJECT: PENOBSCOT RIVER CROSSING

DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 6 of 7

EL. 420.20′
6″
1′-7″
GRIPPER MOUNTING (BY STANLEY ELEV)
10″ CHANNEL
EL. 417.28′
4′-8″ CLEAR HEADROOM
1′-7″
2′-3″ CLEAR TO GRATING
10″
2″ GRATING
3½″
SLIP-FIT SHAFTS REQUIRED
ACCESS DOOR
#624 GRIP.
EL. 414.86′
10″ CHANNEL
5′-1″ CAR T.C.
6′-8 3/8″ CWT. T.C.
C8 × 11.5#
9½″
10″
25″D.
2′-4½″
21′-4″ TO U/S OF CEILING
21′-10″
16′-6″ TO U/S OF GRATING
10′-7½″ U/B
8′-3″ CAB
7′-0″ OPNG. (TYP.)
OBSERVATORY EL. 398.36′
4′-0″ PER CODE
3′-0¼″
4″
371′-6¼″ TRAVEL
PER ASME A17.1 CODE, (RULE 2.11.1) EMERGENCY DOORS ARE REQUIRED AT NO MORE THAN 36′-0″ [1100] FROM SILL TO SILL. THE DOOR SHALL BE NO LESS THAN 28″ [700] WIDE AND 6′-8″ [2030] HIGH.
GROUND EL. 26.83′
1′-3¾″
1′-0″
7′-4¼″
4′-2″ BUFFER
5′-10¼″ SOLID
3′-2¼″
9′-8″ PIT
ELEV. PIT EL. 17.17′
J
H
K
L
Z
25″D. ROPE COMPENSATION SHV.
13′-6″ CWT. O.A.
9″
1′-6″ STROKE
4′-2″ BUFFER
2′-8″
SEE SHEET 2 SECTION 'A-A' FOR MACHINE
2′-11 5/8″ BUFF. STRUT + 2 5/8″ PIT CHAN. (BY H-W)
(NO OCCUPIED SPACE BELOW PIT)
2 5/8″ PIT CHANNEL (BY H-W)

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

GUIDE RAILS TO BE ANCHORED TO UNDERSIDE OF OVERHEAD STEEL

414.03′	℄
5′-0 3/8″	
409.00′	℄
398.00′	6
388.87′	9′-1 1/2″
379.87′	9′-0″
370.87′	9′-0″
361.87′	9′-0 1/4″
352.87′	9′-0″
343.87′	9′-0″
334.87′	9′-0″
325.87′	9′-0″
316.87′	9′-0″
307.87′	9′-0″
298.87′	9′-0″
289.87′	9′-0″
280.87′	9′-0 3/4″
271.81′	8′-11 1/4″
262.87′	9′-0″
253.87′	9′-0″
244.87′	8′-10″
235.87′	9′-2″
226.87′	9′-0″
217.87′	9′-0″
208.87′	8′-10 1/4″
199.87′	9′-1 3/4″
190.87′	9′-0″
181.87′	8′-1″
173.62′	8′-5″
165.37′	9′-4 1/2″
156.00′	7′-0″
149.00′	7′-0″
142.00′	12′-6″
129.50′	12′-0″
117.50′	12′-0″
105.50′	12′-0″
93.50′	12′-0″
81.50′	12′-0″
67.50′	14′-0″
53.50′	14′-0″
40.00′	13′-6″
28.34′	11′-8″ ℄
	7′-0″
21.34′	℄
	4′-2″
	11′-0″

CAR & CWT. RAIL BRACKET SPACING

NO.	DATE	BY	REVISIONS
A	11-4-05	VKM	REVISED BRACKET SPACING PER APPROVAL & FAXES.
B	2-22-06	VKM	REVISED BRACKET SPACING PER TEL-CON & ADDED INT. TIE BRKT.

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FEB. 22, 2006

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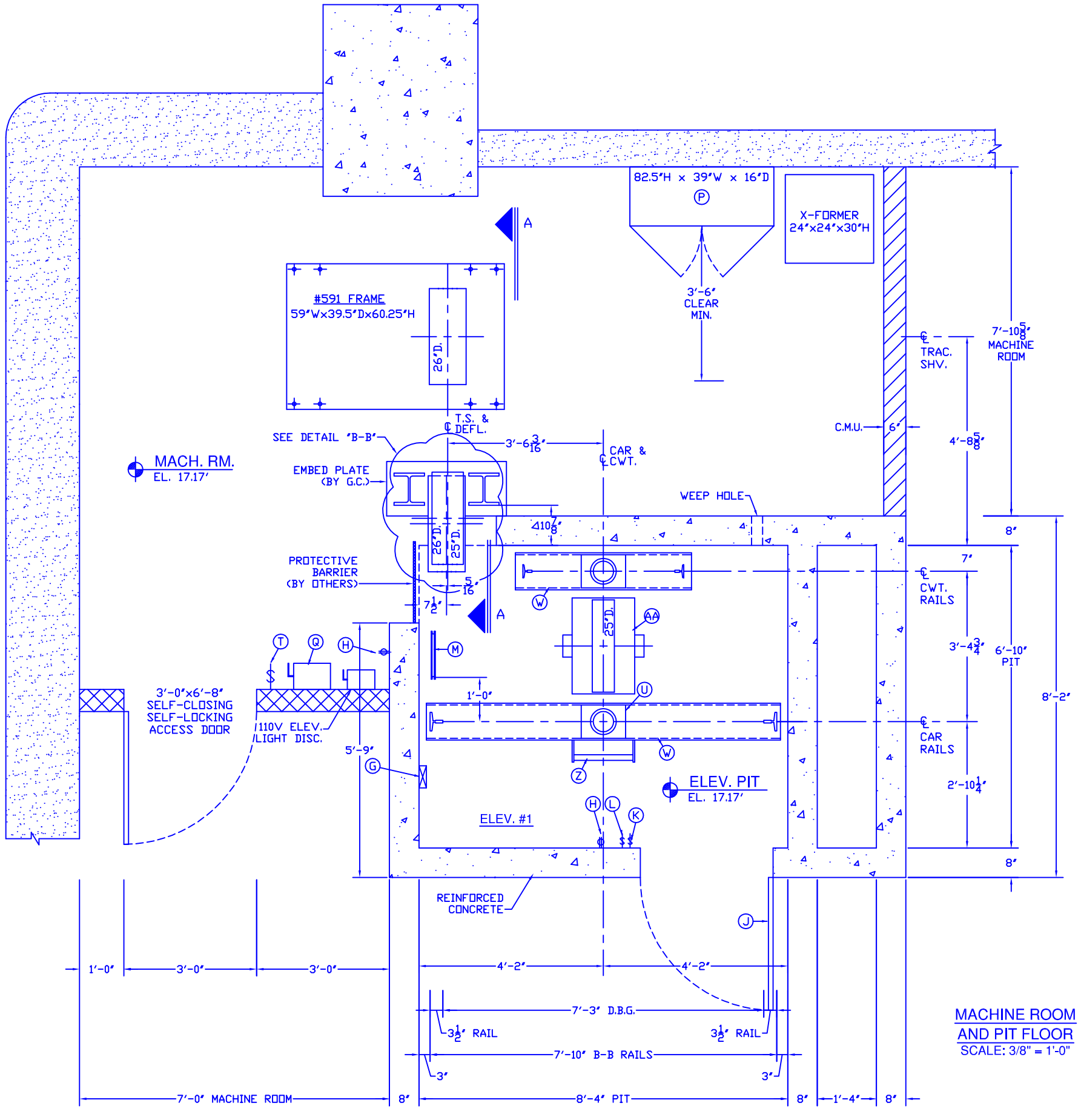
TRACTION ELEVATOR LAYOUT

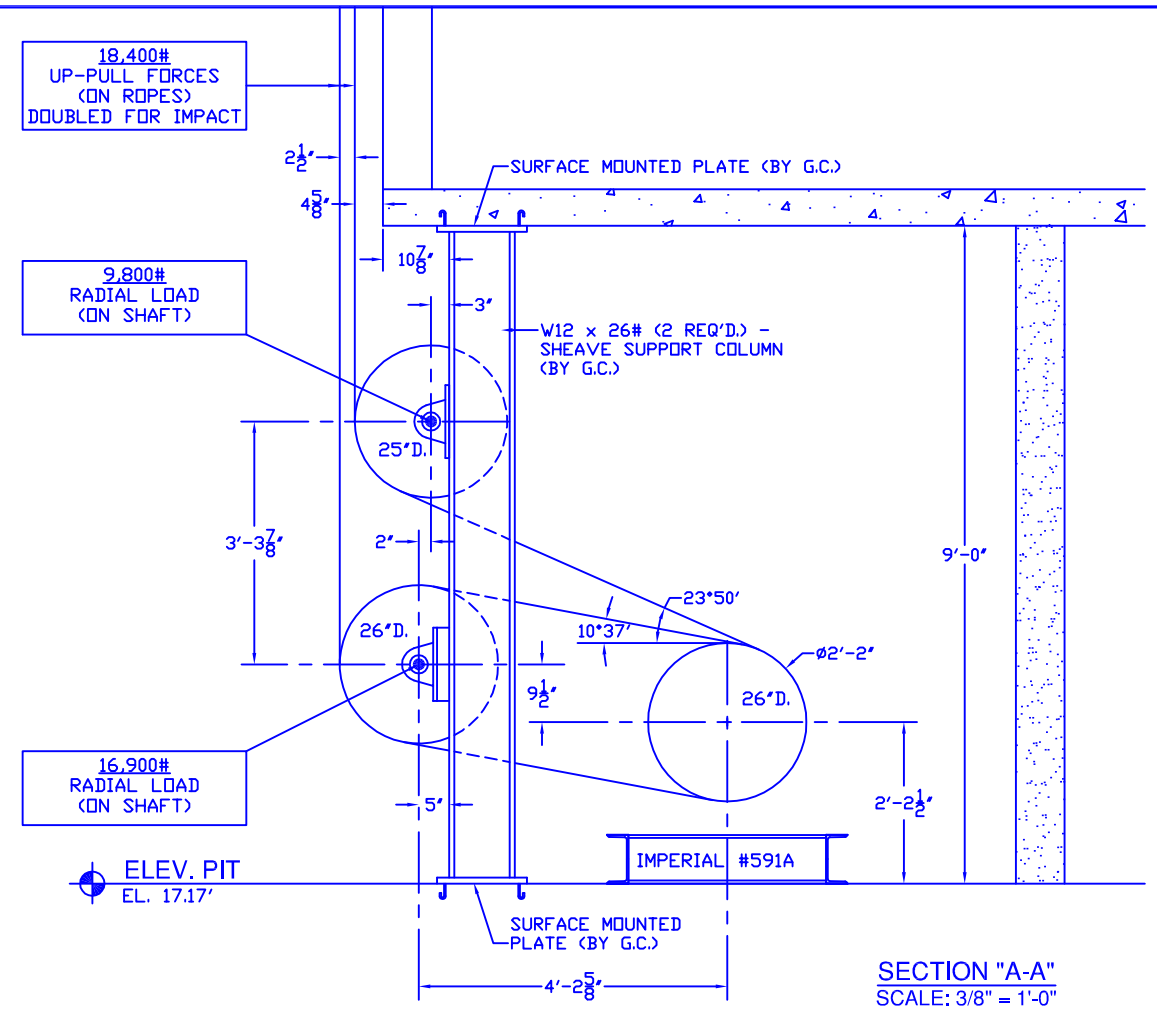
PROJECT: PENOBSCOT RIVER CROSSING

CONTRACT: A-172481 | DRAWN BY: V.K.M. | DATE: 7-8-05 | SCALE: NOTED
LAYOUT: L-4712 | SHEET: 7 of 7



MACHINE ROOM
AND PIT FLOOR
SCALE: 3/8" = 1'-0"

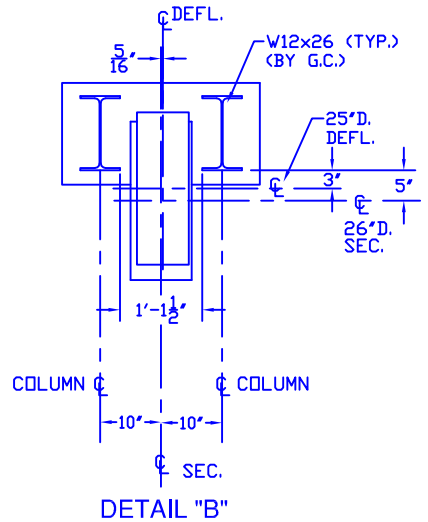
N



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

Architect / Engineer Notes:

1. Machine anchorage to building structure to be by Stanley Elev. Company. Coordinate with Imperial Electric. Anchorage must withstand all forces imposed on the machine.
2. Support columns for secondary and deflector sheave mounting to be provided by G.C. Coordinate with structural engineer and elevator equipment.



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

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FEB. 22, 2006

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TRACTION ELEVATOR LAYOUT

PROJECT: PENOBSCOT RIVER CROSSING

DRAWN BY: V.K.M.	DATE: 7-8-05	SCALE: NOTED
CONTRACT: A-172481	LAYOUT: L-4712	SHEET: 2 of 7