



SUNDT CONSTRUCTION

GRAND LOBBY STAIR SOFFIT

CONTRACTOR : SUNDT CONSTRUCTION

SUPPLIER - ATLAS CONSTRUCTION SUPPLY, INC.
4640 BRINELL STREET
SAN DIEGO, CA 92111

SHEET INDEX

T1	TITLE PAGE
T2	GENERAL NOTES
 P1	SHORING PLAN VIEW & SECTION
 S1	SHORING SECTION



618/16

NOTE: REDA BASALOUS P.E. SEAL COVERS ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT ONLY. THIS APPROVAL DOES NOT COVER THE STRUCTURE OR THE STRUCTURE'S ABILITY TO SAFELY SUSTAIN THE LOADS IMPARTED TO IT BY THE ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT AS INDICATED.

GENERAL NOTES

1.0 CONSTRUCTION MATERIALS
fb = Allowable Bending Stress [PSI]
fv = Allowable Shear Stress [PSI]
E = Modulus of Elasticity
Unless noted otherwise, materials indicated on drawings should have the following minimum allowable property values.

1.1 TIMBERS
Should be structural grade No. 2 or better.
fb = 1125 lbs/sq.in.
fv = 225 lbs/sq.in.
E = 1.5 x 10⁶ lbs/sq.in.

1.2 PLYWOOD:
Should be class 1 or better, of specified thickness, face grain parallel to span.
fb = 1930 lbs/sq.in.
fv = 72 lbs/sq.in. [rolling shear]
E = 1.5 x 10⁶ lbs/sq.in.

1.3 STEEL:
Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
fv = 14,000 lbs/sq.in.
E = 29 x 10⁶ lbs/sq.in.

1.4 ALUMINUM - 6061-T6:
fb = 16,000 lbs/sq.in.
fv = 10,400 lbs/sq.in.
E = 10.15 x 10⁶ lbs/sq.in.

2.0 DESIGN LOADS:
Unless otherwise noted, design loads are as follows:

2.1 SHORING:
Dead Load = Concrete at 150 lb./cu.ft
Live Load = 50 lb./sq.ft
Does not include provisions for motorized buggies.

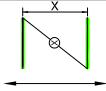
2.2 WALLS
Lateral pressure in accordance with ACI 347.
Wallforms indicated on these drawings have been designed for a pressure of ____ lb./sq.ft.

3.0 DIMENSIONS
The contractor is to verify all dimensions and elevations prior to any erection or assembly of the shoring/forming material. Any discrepancies should be reported immediately to ATLAS FORMING SYSTEMS, INC.

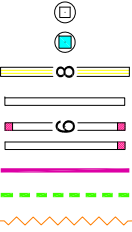
4.0 RESHORING/BRACING
Reshoring and/or lateral bracing may be required and not appear on these plans. Adequate reshoring and bracing are the responsibility of the contractor.

5.0 MISCELLANEOUS TIMBER COMPONENTS
All miscellaneous timber components, unless specifically designed by ATLAS FORMING SYSTEMS, INC., are the responsibility of the contractor.

6.0 FORMWORK ERECTION
Shoring and formwork erection should be executed in accordance with applicable codes, the recommendations of the Scaffolding, Shoring and Forming Institute, Inc., and good working practices. It is the contractor's responsibility to ensure that the shoring is erected per shoring drawings and that the shoring members and braces are positively connected. Contractor shall comply with all OSHA requirements for safety and fall protection.




SHORING TOWER:
REPRESENTING 2 EACH FRAMES & 2 EACH CROSSBRACES PER STAGE;
SEE LEGEND STRINGER OR BEAM AS PRIMARY MEMBER
STRINGER OR BEAM AS JOIST MEMBER
FRAME W/O X-BRACE
POST SHORE
10" WIDE TOP JACK
6" LEDGER BEAM



A-DECK POST W/ DROPHEAD
EXT. A-DECK POST W/ D.H.
A-DECK GIRDER A-DECK JOIST
A-DECK GRID JOIST
A-DECK HALF GRID JOIST
2 EA. HOR. + 1 DIAG. BRACE
SINGLE HORIZONTAL BRACE
2X4 W/ TIMBER CLAMPS
SLAB EDGE BELOW

Copyright of the drawing and associated documents is the exclusive property of ATLAS CONSTRUCTION SUPPLY, INC. and may not be reproduced, copied or disclosed to third parties by any means in whole or in part, without the prior written consent of ATLAS CONSTRUCTION SUPPLY, INC.



**ATLAS
CONSTRUCTION
SUPPLY, INC.**
4640 Brinell Street, San Diego, CA 92111
Tel. [658] 277-2100
1405 E. Orangeflorpe, Fullerton, CA 92831
Tel. [714] 441-9500
1611 South 27th Ave, Phoenix, Az 85009
Tel. [602] 256-0600
4840 W. Hacienda Ave. Las Vegas, NV 89118
Tel. [702] 227-6800
4800 Race Street, Denver, CO 80216
Tel. [303] 298-7777
WWW.ATLASFORM.COM

CONTRACTOR:
SUNDT CONSTRUCTION

PROJECT:
GRAND LOBBY STAIR SOFFIT
-
-

DRAWING TITLE:
TITLE PAGE

THIS PLAN BASED ON:			
ARCH. DWGS:		STRUC. DWGS:	
DRAWN BY: NASPIN	REF:	REVISIONS DATE	PROJECT #
CHK BY:			DWG. #
DATE: 05.11.16			T1

ATLAS CONSTRUCTION SUPPLY, INC. does not have control over, charge of, and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the use of this document. ATLAS CONSTRUCTION SUPPLY, INC. shall not be responsible to any party for the acts or omissions of the contractor, sub-contractor or any other company or persons performing any work which makes use of this document or for the failure of any one of them to carry out work in accordance with this document.

GENERAL NOTES

1.0 CONSTRUCTION MATERIALS

fb = Allowable Bending Stress [PSI]
fv = Allowable Shear Stress [PSI]
E = Modulus of Elasticity
Unless noted otherwise, materials indicated on drawings should have the following minimum allowable property values.

1.1 TIMBER:

Should be structural grade No. 2 or better.
fb = 1125 lbs/sq.in.
fv = 225 lbs/sq.in.
E = 1.6 x 10⁶ lbs/sq.in.

1.2 PLYWOOD:

Should be class 1 or better, of specified thickness, face grain parallel to span.
fb = 1930 lbs/sq.in.
fv = 72 lbs/sq.in. [rolling shear]
E = 1.5 x 10⁶ lbs/sq.in.

1.3 STEEL:

Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
fv = 14,000 lbs/sq.in.
E = 29 x 10⁶ lbs/sq.in.

1.4 ALUMINUM - 6061-T6:

fb = 16,000 lbs/sq.in.
fv = 10,400 lbs/sq.in.
E = 10.15 x 10⁶ lbs/sq.in.

2.0 DESIGN LOADS:

Unless otherwise noted, design loads are as follows:

2.1 SHORING:

Dead Load = Concrete at 150 lb./cu.ft
Live Load = 50 lb./sq.ft.
Does not include provisions for motorized buggies.

2.2 WALLS

Lateral pressure in accordance with ACI 347.
Wallforms indicated on these drawings have been designed for a pressure of ____ lb./sq.ft.

3.0 DIMENSIONS

The contractor is to verify all dimensions and elevations prior to any erection or assembly of the shoring/forming material. Any discrepancies should be reported immediately to ATLAS FORMING SYSTEMS, INC.

4.0 RESHORING/BRACING

Reshoring and/or lateral bracing may be required and not appear on these plans. Adequate reshoring and bracing are the responsibility of the contractor.

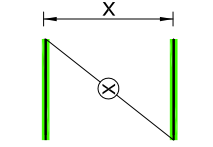
5.0 MISCELLANEOUS TIMBER COMPONENTS

All miscellaneous timber components, unless specifically designed by ATLAS FORMING SYSTEMS, INC., are the responsibility of the contractor.

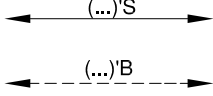
6.0 FORMWORK ERECTION

Shoring and formwork erection should be executed in accordance with applicable codes, the recommendations of the Scaffolding, Shoring and Forming institute, Inc., and good working practices. It is the contractor's responsibility to ensure that the shoring is erected per shoring drawings and that the shoring members and braces are positively connected. Contractor shall comply with all OSHA requirements for safety and fall protection.

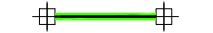
SHORING NOTES



SHORING TOWER:
REPRESENTING:
2 EACH FRAMES
& 2 EACH CROSSBRACES PER STAGE



SEE LEGEND STRINGER OR BEAM
AS PRIMARY MEMBER
STRINGER OR BEAM AS JOIST MEMBER



FRAME W/O X-BRACE



POST SHORE



10" WIDE TOP JACK



6" LEDGER BEAM



A-DECK POST W/ DROPHEAD EXT.



A-DECK POST W/ D.H.



A-DECK GIRDER



A-DECK JOIST



A-DECK GRID JOIST



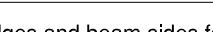
A-DECK HALF GRID JOIST



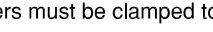
2 EA. HOR. + 1 DIAG. BRACE



SINGLE HORIZONTAL BRACE



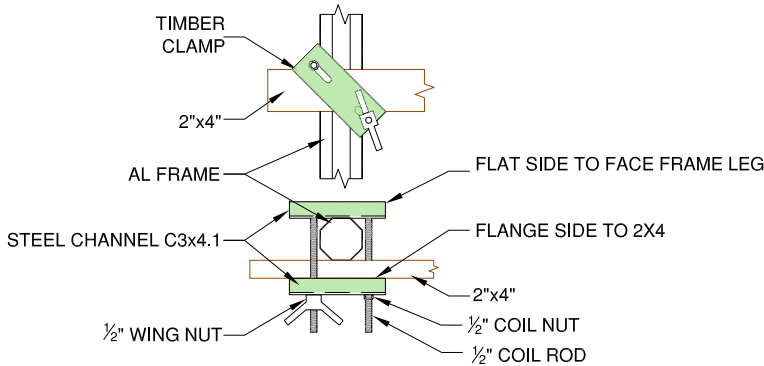
2X4 W/ TIMBER CLAMPS



SLAB EDGE BELOW

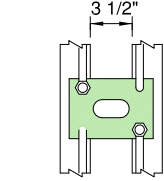
TYPICAL SHORING NOTES

- All slab edges and beam sides formwork by others.
- All stringers must be clamped to j-heads and to beam as required.
- The shoring system shown is designed to support vertical loads only. Bracing the system against any anticipated lateral loads is the responsibility of others.
- Standard 3' wide al-speed frame tower requires 2x4 and timber clamp horizontal bracing in both directions on frame staging 12'-0" (8' for 2' wide frame "shore-x") from the grade and every 12'-0" thereafter.
- Standard 6' wide al-speed frame tower requires 2x4 and timber clamp horizontal bracing in both directions on frame staging 24'-0" from the grade and every 24'-0" thereafter.
- Standard post shore required 2x4 and timber clamp horizontal bracing in both directions by others.
- Use 3/4" plywood bb class i with face grain across supports, typ.

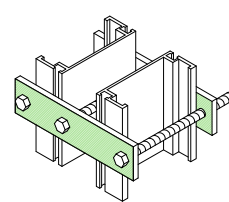


TIMBER CLAMP DETAILS

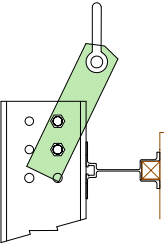
WALLFORM NOTES



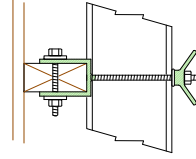
ATLAS TIE PLATE



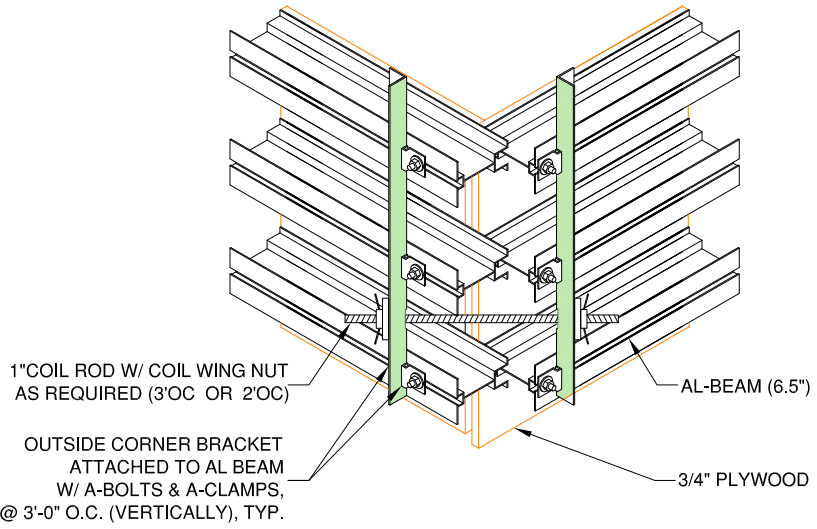
3-HOLE BRACE PLATE



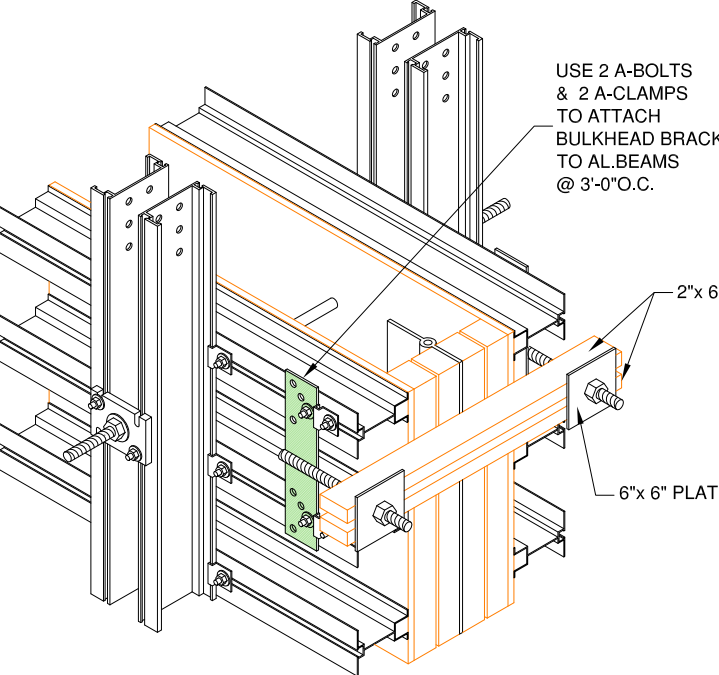
LIFTING LUG



YOKE BRACKET



OUTSIDE CORNER DETAIL



BULKHEAD BRACKET DETAILS

GENERAL NOTES

1.0 CONSTRUCTION MATERIALS
fb = Allowable Bending Stress [PSI]
fv = Allowable Shear Stress [PSI]
E = Modulus of Elasticity
Unless noted otherwise, materials indicated on drawings should have the following minimum allowable property values.

1.1 TIMBER:
Should be structural grade No. 2 or better.
fb = 1125 lbs/sq.in.
fv = 225 lbs/sq.in.
E = 1.5 x 10⁶ lbs/sq.in.

1.2 PLYWOOD:
Should be class 1 or better, of specified thickness, face grain parallel to span.
fb = 1930 lbs/sq.in.
fv = 72 lbs/sq.in. [rolling shear]
E = 1.5 x 10⁶ lbs/sq.in.

1.3 STEEL:
Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
fv = 14,000 lbs/sq.in.
E = 29 x 10⁶ lbs/sq.in.

1.4 ALUMINUM - 6061-T6:
fb = 16,000 lbs/sq.in.
fv = 10,400 lbs/sq.in.
E = 10.15 x 10⁶ lbs/sq.in.

2.0 DESIGN LOADS:

Unless otherwise noted, design loads are as follows:

2.1 SHORING:
Dead Load = Concrete at 150 lb./cu.ft
Live Load = 50 lb./sq.ft.
Does not include provisions for motorized buggies.

2.2 WALLS
Lateral pressure in accordance with ACI 347.
Wallforms indicated on these drawings have been designed for a pressure of ____ lb./sq.ft.

3.0 DIMENSIONS
The contractor is to verify all dimensions and elevations prior to any erection or assembly of the shoring/forming material. Any discrepancies should be reported immediately to ATLAS FORMING SYSTEMS, INC.

4.0 RESHORING/BRACING
Reshoring and/or lateral bracing may be required and not appear on these plans. Adequate reshoring and bracing are the responsibility of the contractor.

5.0 MISCELLANEOUS TIMBER COMPONENTS
All miscellaneous timber components, unless specifically designed by ATLAS FORMING SYSTEMS, INC., are the responsibility of the contractor.

6.0 FORMWORK ERECTION
Shoring and formwork erection should be executed in accordance with applicable codes, the recommendations of the Scaffolding, Shoring and Forming institute, Inc., and good working practices. It is the contractor's responsibility to ensure that the shoring is erected per shoring drawings and that the shoring members and braces are positively connected. Contractor shall comply with all OSHA requirements for safety and fall protection.

SHORING TOWER:
REPRESENTING 2 EACH FRAMES
& 2 EACH CROSSBRACES PER STAGE;
SEE LEGEND STRINGER OR BEAM
AS PRIMARY MEMBER
STRINGER OR BEAM AS JOIST MEMBER

FRAME W/O X-BRACE
POST SHORE
10" WIDE TOP JACK
6" LEDGER BEAM

A-DECK POST W/ DROPHEAD
EXT. A-DECK POST W/ D.H.

A-DECK GIRDER A-DECK JOIST

A-DECK GRID JOIST

A-DECK HALF GRID JOIST

2 EA. HOR. + 1 DIAG. BRACE

SINGLE HORIZONTAL BRACE

2X4 W/ TIMBER CLAMPS

SLAB EDGE BELOW

Copyright of the drawing and associated documents is the exclusive property of ATLAS CONSTRUCTION SUPPLY, INC. and may not be reproduced, copied or disclosed to third parties by any means in whole or in part, without the prior written consent of ATLAS CONSTRUCTION SUPPLY, INC.

ATLAS CONSTRUCTION SUPPLY, INC.
4640 Brinnel Street, San Diego, CA 92111
Tel. [658] 277-2100
1405 E. Orangethorpe, Fullerton, CA 92831
Tel. [714] 441-9500
1611 South 27th Ave, Phoenix, Az 85009
Tel. [602] 256-0600
4840 W. Hacienda Ave. Las Vegas, NV 89118
Tel. [702] 227-6800
4800 Race Street, Denver, CO 80216
Tel. [303] 298-7777
WWW.ATLASFORM.COM

CONTRACTOR:
SUNDT CONSTRUCTION

PROJECT:
GRAND LOBBY STAIR SOFFIT
-

DRAWING TITLE:
GENERAL NOTES

THIS PLAN BASED ON:

ARCH. DWGS: STRUC. DWGS:

DRAWN BY: NASPIN REF: REVISIONS PROJECT #

CHK BY: DATE

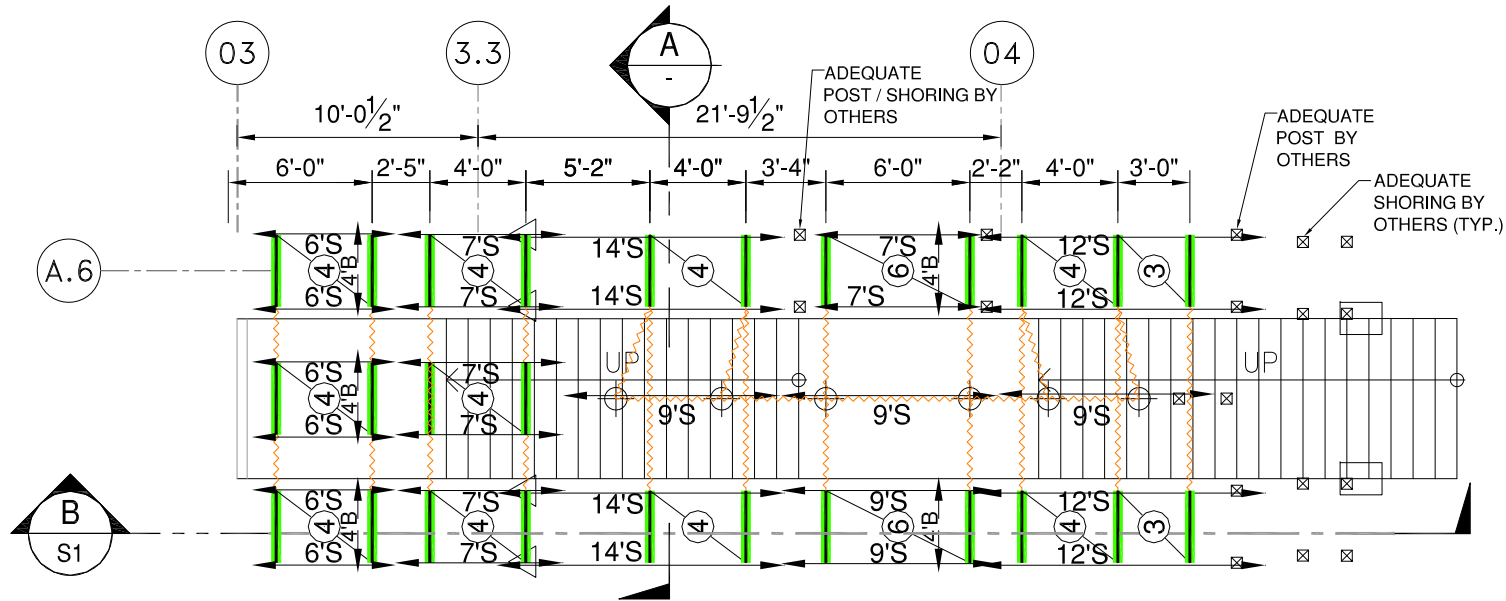
DATE: 05.1.16 DWG. # T2

ATLAS CONSTRUCTION SUPPLY, INC. does not have control over, charge of, and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the use of this document. ATLAS CONSTRUCTION SUPPLY, INC. shall not be responsible to any party for the acts or omissions of the contractor, sub-contractor or any other company or persons performing any work which makes use of this document or for the failure of any one of them to carry out work in accordance with this document.

TABLE 1
6 1/2" AL-BEAM
SPACING U.N.O.

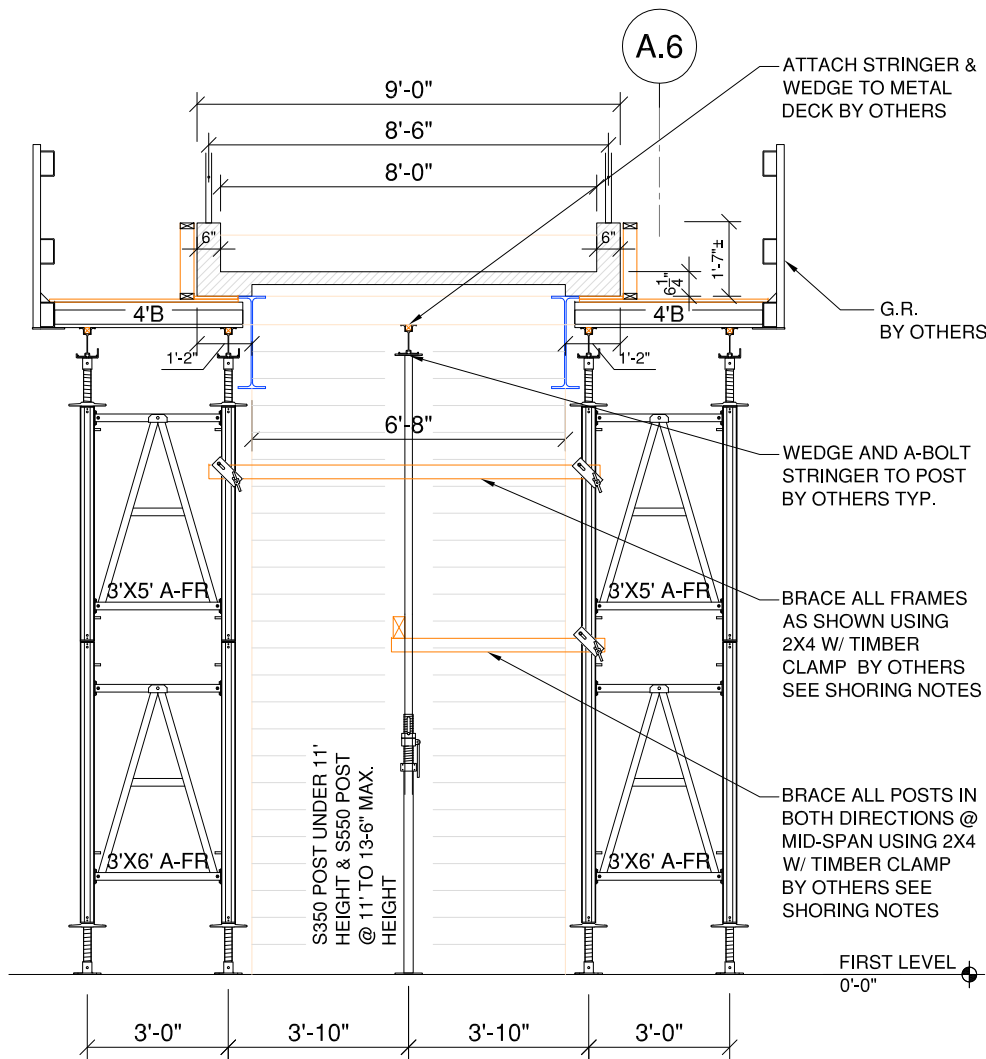
SLAB	SPACING
5" - 6"	24"
7" - 14"	19.2"
15" - 24"	16"
25" - 52"	12"
53" - 76"	10"

BASED ON 3/4" PLYWOOD
B-B CLASS I OR BETTER



SHORING LAYOUT PLAN VIEW

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



SECTION 'A'

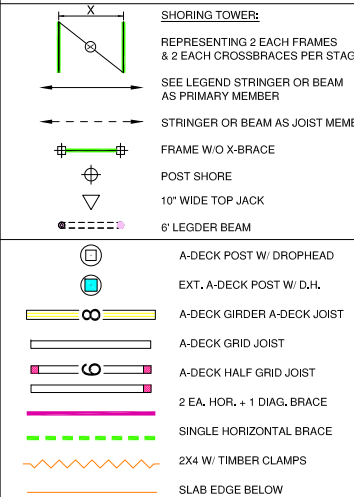
SCALE: 1/4" = 1'-0"

SHORING NOTES:

- ALL SLAB EDGES AND BEAM SIDES FORMWORK BY OTHERS.
- WOOD BUILD UP TO BE CONSTRUCTED TO ADEQUATELY DISTRIBUTE SLAB LOAD OVER DECK TO AVOID POINT LOAD BY OTHERS.
- GUARDRAILS, MIDRAILS, AND TOEBOARDS ARE REQUIRED ON ALL OPEN SIDES OF SHORING DECK BY OTHERS.
- ALL STRINGERS MUST BE CLAMPED TO J-HEADS AND TO BEAM AS REQUIRED.
- MAXIMUM SCREW JACK EXTENSION NOT TO EXCEED 18" TOP OR BOTTOM.
- THE SHORING SYSTEM SHOWN IS DESIGNED TO SUPPORT VERTICAL LOADS ONLY. BRACING THE SYSTEM AGAINST ANY ANTICIPATED LATERAL LOADS IS THE RESPONSIBILITY OF OTHERS.
- WHERE CROSS BRACES ARE NOT EMPLOYED, SECURE FRAME LEGS WITH 2X4 AND TIMBER CLAMP LACING AT ALL CROSS BRACE PIN LOCATIONS (4 PER FRAME).
- STANDARD 3' WIDE AL-SPEED FRAME OR 3' / 4' WIDE CROSS BRACING DIRECTION REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING ON FRAMES STAGING 12'-0" FROM THE GRADE AND EVERY 12'-0" THEREAFTER.
- STANDARD 6' WIDE AL-SPEED FRAME TOWER REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING IN BOTH DIRECTIONS ON FRAMES STAGING 24'-0" FROM THE GRADE AND EVERY 24'-0" THEREAFTER
- STANDARD / FREE STANDING POST SHORE REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING IN BOTH DIRECTIONS BY OTHERS.
- SOIL CAPACITY (OR S.O.G.) / SETTLEMENT VERIFICATION AND ALSO, ALL SILL PADS / WEDGES (MUD SILL) DESIGN ARE THE RESPONSIBILITY OF OTHERS IF REQUIRED.
- USE 3/4" PLYWOOD BB CLASS I WITH FACE GRAIN ACROSS SUPPORTS, TYP.
- CONTRACTOR TO REVIEW AND VERIFY DIMENSIONS, ELEVATIONS, AND OVERALL EQUIPMENT LAYOUT PRIOR TO SHIPMENT OF MATERIALS.

GENERAL NOTES

- 1.0 CONSTRUCTION MATERIALS
fb = Allowable Bending Stress [PSI]
fv = Allowable Shear Stress [PSI]
E = Modulus of Elasticity
Unless noted otherwise, materials indicated on drawings should have the following minimum allowable property values.
- 1.1 TIMBERS
Should be structural grade No. 2 or better.
fb = 1125 lbs/sq.in.
fv = 225 lbs/sq.in.
E = 1.5 x 10⁶ lbs/sq.in.
- 1.2 PLYWOOD:
Should be class 1 or better, of specified thickness, face grain parallel to span.
fb = 1930 lbs/sq.in.
fv = 72 lbs/sq.in. [rolling shear]
E = 1.5 x 10⁶ lbs/sq.in.
- 1.3 STEEL:
Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
fv = 14,000 lbs/sq.in.
E = 29 x 10⁶ lbs/sq.in.
- 1.4 ALUMINUM - 6061-T6:
fb = 16,000 lbs/sq.in.
fv = 10,400 lbs/sq.in.
E = 10.15 x 10⁶ lbs/sq.in.
- 2.0 DESIGN LOADS:
Unless otherwise noted, design loads are as follows:
- 2.1 SHORING:
Dead Load = Concrete at 150 lb./cu.ft
Live Load = 50 lb./sq.ft
Does not include provisions for motorized buggies.
- 2.2 WALLS
Lateral pressure in accordance with ACI 347.
Wallforms indicated on these drawings have been designed for a pressure of ____ lb./sq.ft.
- 3.0 DIMENSIONS
The contractor is to verify all dimensions and elevations prior to any erection or assembly of the shoring/forming material. Any discrepancies should be reported immediately to ATLAS FORMING SYSTEMS, INC.
- 4.0 RESHORING/BRACING
Reshorings and/or lateral bracing may be required and not appear on these plans. Adequate reshorings and bracing are the responsibility of the contractor.
- 5.0 MISCELLANEOUS TIMBER COMPONENTS
All miscellaneous timber components, unless specifically designed by ATLAS FORMING SYSTEMS, INC., are the responsibility of the contractor.
- 6.0 FORMWORK ERECTION
Shoring and formwork erection should be executed in accordance with applicable codes, the recommendations of the Scaffolding, Shoring and Forming Institute, Inc., and good working practices. It is the contractor's responsibility to ensure that the shoring is erected per shoring drawings and that the shoring members and braces are positively connected. Contractor shall comply with all OSHA requirements for safety and fall protection.



Copyright of the drawing and associated documents is the exclusive property of ATLAS CONSTRUCTION SUPPLY, INC. and may not be reproduced, copied or disclosed to third parties by any means in whole or in part, without the prior written consent of ATLAS CONSTRUCTION SUPPLY, INC.

ATLAS CONSTRUCTION SUPPLY, INC.
4640 Brinell Street, San Diego, CA 92111
Tel. [658] 277-2100
1405 E. Orangeflorpe, Fullerton, CA 92831
Tel. [714] 441-9500
1611 South 27th Ave, Phoenix, Az 85009
Tel. [602] 256-0600
4840 W. Hacienda Ave. Las Vegas, NV 89118
Tel. [702] 227-8800
4800 Race Street, Denver, CO 80216
Tel. [303] 298-7777
WWW.ATLASFORM.COM

CONTRACTOR:
SUNDT CONSTRUCTION

PROJECT:
GRAND LOBBY STAIR SOFFIT

DRAWING TITLE:
SHORING PLAN VIEW & SECTION

THIS PLAN BASED ON:
ARCH. DWGS: STRUC. DWGS: -

DRAWN BY:	REF:	REVISIONS	PROJECT #
NS		DATE	
CHK BY:	△	05.31.16	
	△	06.08.16	
DATE:			
05.11.16			P1

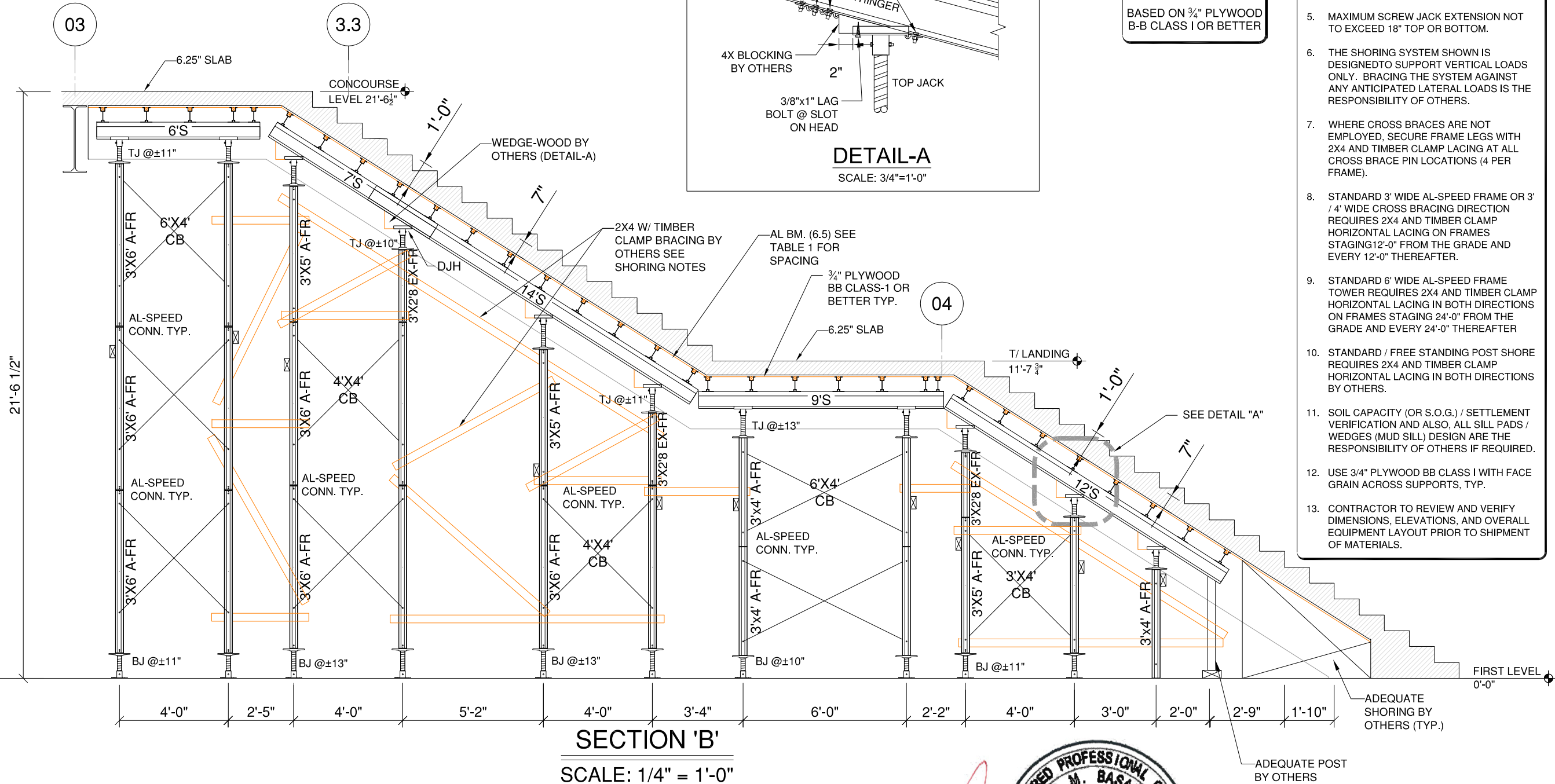
ATLAS CONSTRUCTION SUPPLY, INC. does not have control over, charge of, and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the use of this document. ATLAS CONSTRUCTION SUPPLY, INC. shall not be responsible to any party for the acts or omissions of the contractor, sub-contractor or any other company or persons performing any work which makes use of this document or for the failure of any one of them to carry out work in accordance with this document.

NOTE: REDA BASALOUS P.E. SEAL COVERS ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT ONLY. THIS APPROVAL DOES NOT COVER THE STRUCTURE OR THE STRUCTURE'S ABILITY TO SAFELY SUSTAIN THE LOADS IMPARTED TO IT BY THE ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT AS INDICATED.

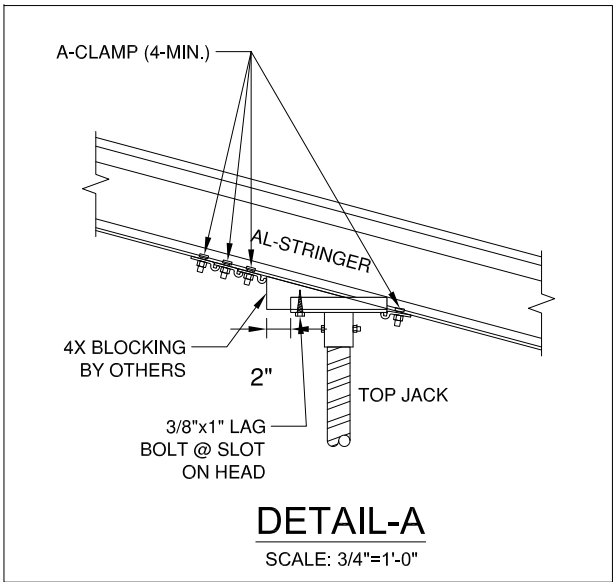


6/8/16

C:\Users\Reda.WORKGROUP\Desktop\Sundt - Grand Lobby Stairs\Sundt - Grand Lobby Stairs.dwg, 6/8/2016 1:13:51 PM



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



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

TABLE 1 6 1/2" AL-BEAM SPACING U.N.O.	
SLAB	SPACING
5" - 6"	24"
7" - 14"	19.2"
15" - 24"	16"
25" - 52"	12"
53" - 76"	10"
BASED ON 3/4" PLYWOOD B-B CLASS I OR BETTER	

- SHORING NOTES:**
- ALL SLAB EDGES AND BEAM SIDES FORMWORK BY OTHERS.
 - WOOD BUILD UP TO BE CONSTRUCTED TO ADEQUATELY DISTRIBUTE SLAB LOAD OVER DECK TO AVOID POINT LOAD BY OTHERS.
 - GUARDRAILS, MIDRAILS, AND TOEBOARDS ARE REQUIRED ON ALL OPEN SIDES OF SHORING DECK BY OTHERS.
 - ALL STRINGERS MUST BE CLAMPED TO J-HEADS AND TO BEAM AS REQUIRED.
 - MAXIMUM SCREW JACK EXTENSION NOT TO EXCEED 18" TOP OR BOTTOM.
 - THE SHORING SYSTEM SHOWN IS DESIGNED TO SUPPORT VERTICAL LOADS ONLY. BRACING THE SYSTEM AGAINST ANY ANTICIPATED LATERAL LOADS IS THE RESPONSIBILITY OF OTHERS.
 - WHERE CROSS BRACES ARE NOT EMPLOYED, SECURE FRAME LEGS WITH 2X4 AND TIMBER CLAMP LACING AT ALL CROSS BRACE PIN LOCATIONS (4 PER FRAME).
 - STANDARD 3' WIDE AL-SPEED FRAME OR 3' / 4' WIDE CROSS BRACING DIRECTION REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING ON FRAMES STAGING 12'-0" FROM THE GRADE AND EVERY 12'-0" THEREAFTER.
 - STANDARD 6' WIDE AL-SPEED FRAME TOWER REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING IN BOTH DIRECTIONS ON FRAMES STAGING 24'-0" FROM THE GRADE AND EVERY 24'-0" THEREAFTER.
 - STANDARD / FREE STANDING POST SHORE REQUIRES 2X4 AND TIMBER CLAMP HORIZONTAL LACING IN BOTH DIRECTIONS BY OTHERS.
 - SOIL CAPACITY (OR S.O.G.) / SETTLEMENT VERIFICATION AND ALSO, ALL SILL PADS / WEDGES (MUD SILL) DESIGN ARE THE RESPONSIBILITY OF OTHERS IF REQUIRED.
 - USE 3/4" PLYWOOD BB CLASS I WITH FACE GRAIN ACROSS SUPPORTS, TYP.
 - CONTRACTOR TO REVIEW AND VERIFY DIMENSIONS, ELEVATIONS, AND OVERALL EQUIPMENT LAYOUT PRIOR TO SHIPMENT OF MATERIALS.

GENERAL NOTES

1.0 CONSTRUCTION MATERIALS
fb = Allowable Bending Stress [PSI]
fv = Allowable Shear Stress [PSI]
E = Modulus of Elasticity
Unless noted otherwise, materials indicated on drawings should have the following minimum allowable property values.

1.1 TIMBERS
Should be structural grade No. 2 or better.
fb = 1125 lbs/sq.in.
fv = 225 lbs/sq.in.
E = 1.5 x 10⁶ lbs/sq.in.

1.2 PLYWOOD:
Should be class 1 or better, of specified thickness, face grain parallel to span.
fb = 1930 lbs/sq.in.
fv = 72 lbs/sq.in. [rolling shear]
E = 1.5 x 10⁶ lbs/sq.in.

1.3 STEEL:
Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
fv = 14,000 lbs/sq.in.
E = 29 x 10⁶ lbs/sq.in.

1.4 ALUMINUM - 6061-T6:
fb = 16,000 lbs/sq.in.
fv = 10,400 lbs/sq.in.
E = 10.15 x 10⁶ lbs/sq.in.

2.0 DESIGN LOADS:
Unless otherwise noted, design loads are as follows:

2.1 SHORING:
Dead Load = Concrete at 150 lb/cu.ft
Live Load = 50 lb/sq.ft
Does not include provisions for motorized buggies.

2.2 WALLS
Lateral pressure in accordance with ACI 347.
Wallforms indicated on these drawings have been designed for a pressure of ____ lb/sq.ft.

3.0 DIMENSIONS
The contractor is to verify all dimensions and elevations prior to any erection or assembly of the shoring/forming material. Any discrepancies should be reported immediately to ATLAS FORMING SYSTEMS, INC.

4.0 RESHORING/BRACING
Reshorning and/or lateral bracing may be required and not appear on these plans. Adequate reshorning and bracing are the responsibility of the contractor.

5.0 MISCELLANEOUS TIMBER COMPONENTS
All miscellaneous timber components, unless specifically designed by ATLAS FORMING SYSTEMS, INC., are the responsibility of the contractor.

6.0 FORMWORK ERECTION
Shoring and formwork erection should be executed in accordance with applicable codes, the recommendations of the Scaffolding, Shoring and Forming Institute, Inc., and good working practices. It is the contractor's responsibility to ensure that the shoring is erected per shoring drawings and that the shoring members and braces are positively connected. Contractor shall comply with all OSHA requirements for safety and fall protection.

SHORING TOWER:

REPRESENTING 2 EACH FRAMES & 2 EACH CROSSBRACES PER STAGE;

SEE LEGEND STRINGER OR BEAM AS PRIMARY MEMBER

STRINGER OR BEAM AS JOIST MEMBER

FRAME W/O X-BRACE

POST SHORE

10" WIDE TOP JACK

6" LEDGER BEAM

A-DECK POST W/ DROPHEAD

EXT. A-DECK POST W/ D.H.

A-DECK GIRDER A-DECK JOIST

A-DECK GRID JOIST

A-DECK HALF GRID JOIST

2 EA. HOR. + 1 DIAG. BRACE

SINGLE HORIZONTAL BRACE

2X4 W/ TIMBER CLAMPS

SLAB EDGE BELOW

Copyright of the drawing and associated documents is the exclusive property of ATLAS CONSTRUCTION SUPPLY, INC., and may not be reproduced, copied or disclosed to third parties by any means in whole or in part, without the prior written consent of ATLAS CONSTRUCTION SUPPLY, INC.

ATLAS CONSTRUCTION SUPPLY, INC.

4640 Brinell Street, San Diego, CA 92111
Tel. [658] 277-2100

1405 E. Orangeflorio, Fullerton, CA 92831
Tel. [714] 441-9500

1611 South 27th Ave, Phoenix, AZ 85009
Tel. [602] 256-0600

4840 W. Hacienda Ave. Las Vegas, NV 89118
Tel. [702] 227-6800

4800 Race Street, Denver, CO 80216
Tel. [303] 298-7777

WWW.ATLASFORM.COM

CONTRACTOR:
SUNDT CONSTRUCTION

PROJECT:
GRAND LOBBY STAIR SOFFIT

DRAWING TITLE:
SHORING SECTION & DETAIL

THIS PLAN BASED ON:

ARCH. DWGS:	STRUC. DWGS:	PROJECT #
NS		
DRAWN BY:	REF:	REVISIONS
NS		DATE
CHK BY:		
	05.31.16	
	06.08.16	
DATE:		
05.11.16		

DWG. #
S1

ATLAS CONSTRUCTION SUPPLY, INC. does not have control over, charge of, and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the use of this document. ATLAS CONSTRUCTION SUPPLY, INC. shall not be responsible to any party for the acts or omissions of the contractor, sub-contractor or any other company or persons performing any work which makes use of this document or for the failure of any one of them to carry out work in accordance with this document.



NOTE: REDA BASALOUS P.E. SEAL COVERS ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT ONLY. THIS APPROVAL DOES NOT COVER THE STRUCTURE OR THE STRUCTURE'S ABILITY TO SAFELY SUSTAIN THE LOADS IMPARTED TO IT BY THE ATLAS CONSTRUCTION SUPPLY, INC. EQUIPMENT AS INDICATED.

6/8/16