

HARDROCK
LUHR HOTEL
CENTRAL AVE AND MADISON STREET

CONTRACTOR - HARDROCK

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

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		W13	WALL SECTIONS AND ELEVATIONS

**** GC shall coordinate all wall thicknesses with structural drawings.
Wall thicknesses vary from 8", 12" and 16".**

CARUSO TURLEY SCOTT, INC. COUNSULTING ENGINEERS
☐ REVIEWED ☒ REVIEWED & NOTED
☐ REVISE & RESUBMIT

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS RESTS WITH THE CONTRACTOR
THE ADEQUACY OF THE ENGINEERING DESIGN AND LAYOUTS PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY

BY: **BKN** DATE: **6/13/15**



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.

NOTE: ONLY DARKENED PAGES(TEXT) ARE DEFINED IN THIS SUBMITTAL

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 900 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" LEGDER 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

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CONTRACTOR:
HARDROCK

PROJECT:
LUHR HOTEL
CENTRAL AVE AND MADISON STREET
PHOENIX, AZ

DRAWING TITLE:
TITLE PAGE

THIS PLAN BASED ON:

ARCH. DWGS:	STRUC. DWGS:	PROJECT #
DRAWN BY: MARCUS	REF: DATE	PROJECT #
CHK BY:	1 5-15-15	
DATE: 4.22.2015		DWG. #
		T1

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GENERAL NOTES

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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.

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Should be ASTM A36 or better.
fb = 22,000 lbs/sq.in.
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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 900 lb./sq.ft.

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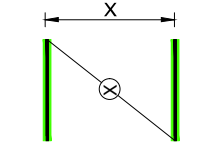
5.0 MISCELLANEOUS TIMBER COMPONENTS

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SHORING NOTES

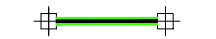


SHORING TOWER:

REPRESENTING:
2 EACH FRAMES
& 2 EACH CROSSBRACES PER STAGE

SEE LEGEND STRINGER OR BEAM
AS PRIMARY MEMBER

STRINGER OR BEAM AS JOIST MEMBER



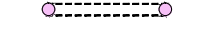
FRAME W/O X-BRACE



POST SHORE



10" WIDE TOP JACK



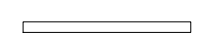
6" LEDGER BEAM



A-DECK POST W/ DROPHEAD EXT.



A-DECK POST W/ D.H.



A-DECK GIRDER



A-DECK JOIST



A-DECK HALF GRID JOIST



2 EA. HOR. + 1 DIAG. BRACE



SINGLE HORIZONTAL BRACE



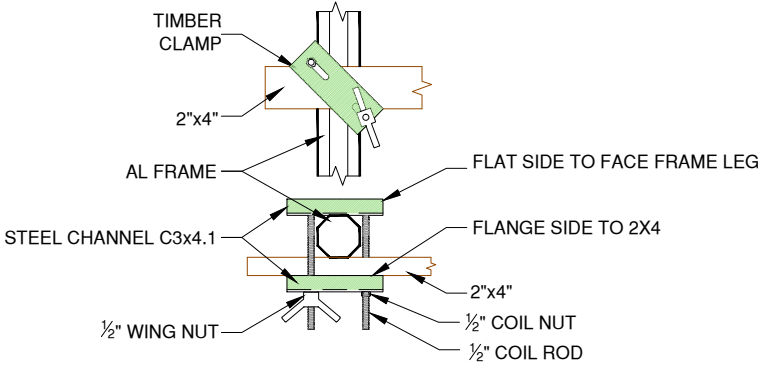
2X4 W/ TIMBER CLAMPS



SLAB EDGE BELOW

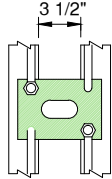
TYPICAL SHORING NOTES

1. All slab edges and beam sides formwork by others.
2. All stringers must be clamped to j-heads and to beam as required.
3. The shoring system shown is designed to support vertical loads only. Bracing the system against any anticipated lateral loads is the responsibility of others.
4. 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.
5. 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.
6. Standard post shore required 2x4 and timber clamp horizontal bracing in both directions by others.
7. Use 3/4" plywood bb class i with face grain across supports, typ.
8. Contractor to review and verify dimensions, elevations, and overall equipment layout prior to the shipment of materials.

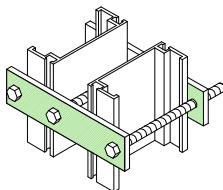


TIMBER CLAMP DETAILS

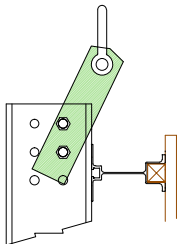
WALLFORM NOTES



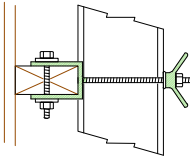
ATLAS TIE PLATE



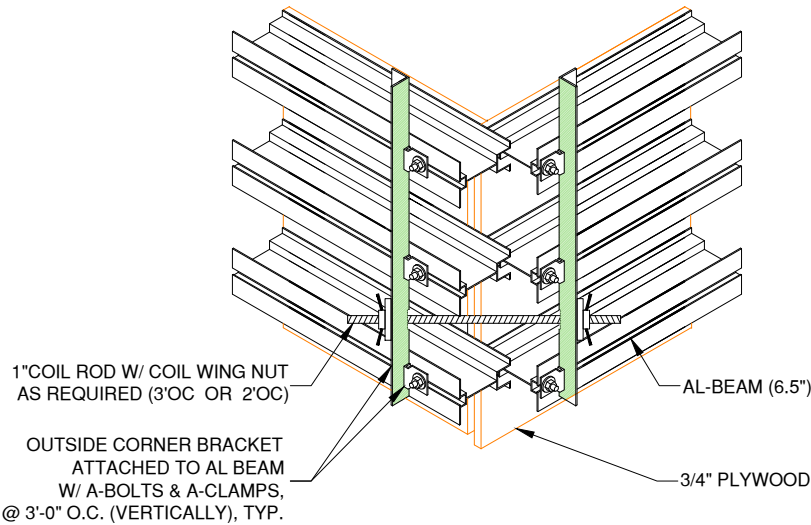
3-HOLE BRACE PLATE



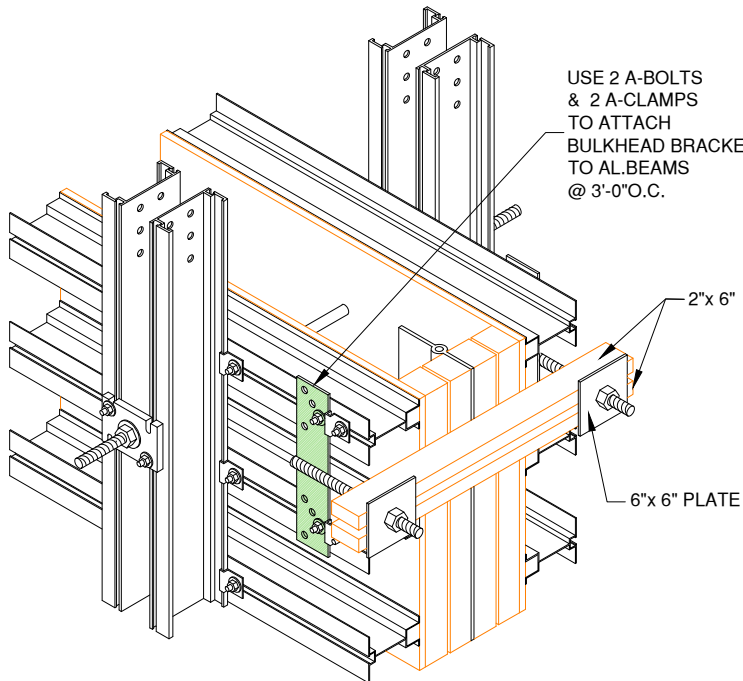
LIFTING LUG



YOKE BRACKET



OUTSIDE CORNER DETAIL



BULKHEAD BRACKET DETAILS

GENERAL NOTES

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1.2 PLYWOOD:
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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

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WWW.ATLASFORM.COM

CONTRACTOR:
HARDROCK

PROJECT:
LUHR HOTEL
CENTRAL AVE AND MADISON STREET
PHOENIX, AZ

DRAWING TITLE:
GENERAL NOTES

THIS PLAN BASED ON:

ARCH. DWGS:

DRAWN BY:
MARCUS

CHK BY:

DATE:
4.22.2015

REV.:

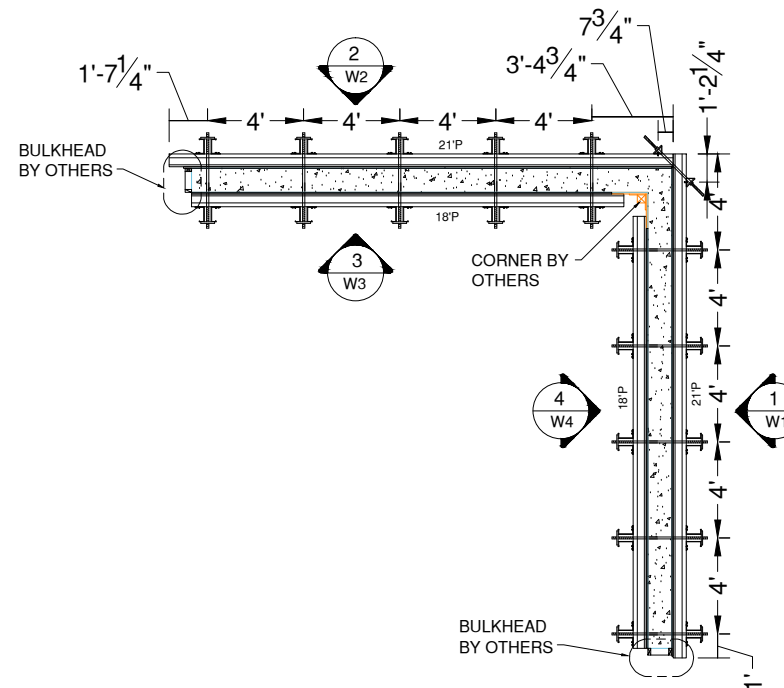
DATE:

PROJECT #

DWG. #

T2













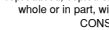





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NOTES:

1. CONC. FORM PRESSURE IS NOT TO EXCEED 900 PSF.
2. 25 PSF MAX. L. L. PER WORKING PLATFORM.
3. CONTRACTOR TO INSTALL AND CONFIGURE PIPE BRACE LAYOUT PER DAYTON SPECIFICATIONS (ATTACHED).
4. CONTRACTOR TO VERIFY ALL DIM., EL. & WALL THICKNESS AND OVERALL EQUIPMENT LAYOUT PRIOR TO THE SHIPMENT OF MATERIALS.
5. THE WALLFORM AND/OR PLATFORM DESIGN ANALYSIS IS LIMITED TO ESTABLISHMENT OF LOADS IMPOSED ON THE EQUIPMENT DESIGNED AND FURNISHED BY ATLAS CONSTRUCTION SUPPLY. ANALYSIS OF THE EXISTING CONCRETE STRUCTURES ADEQUACY TO SAFELY SUPPORT AND TRANSFER THE LOADS IMPOSED BY THE SHORING EQUIPMENT IS EXCLUDED AND TO BE FURNISHED BY THE ARCHITECT/ENGINEER OF RECORD IN ACCORDANCE WITH ACI 347-03 SECTION 2.5 AND 3.8.5.

$$1/8'' = 1'-0''$$

- | | | | |
|---|-------------|---|------------------|
| <u>GENERAL NOTES</u> | | | |
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| 1.3 STEEL: | | | |
| Should be ASTM A36 or better.
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|  | | 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" LEGGER 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 | |
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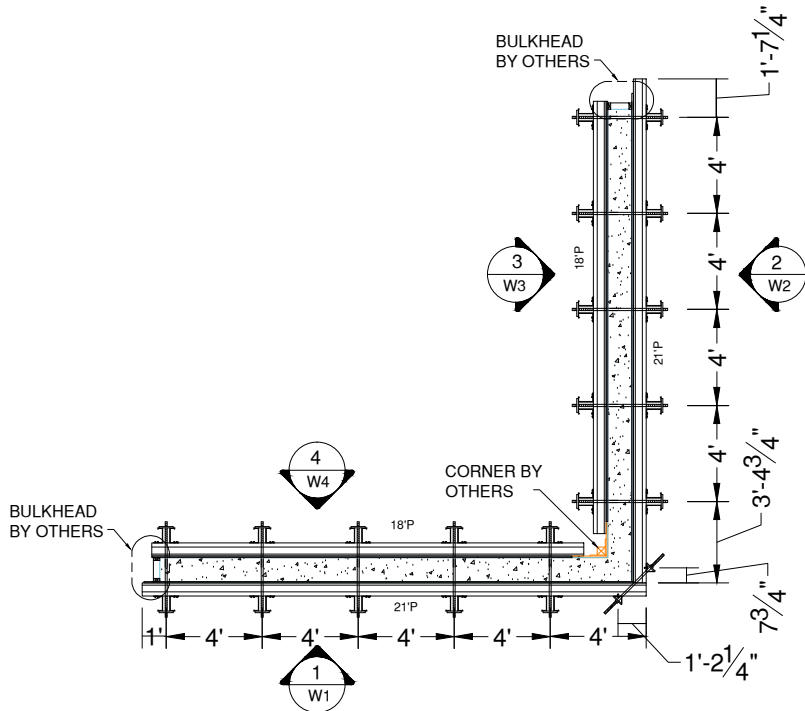
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4800 Race Street, Denver, CO 80216
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| WWW.ATLASFORM.COM | | | |
| CONTRACTOR: | | | |
| HARDROCK | | | |
| PROJECT: | | | |
| LUHR HOTEL
CENTRAL AVE AND MADISON STREET
PHOENIX, AZ | | | |
| DRAWING TITLE: | | | |
| OVERALL FLOOR PLAN | | | |
| THIS PLAN BASED ON: | | | |
| ARCH. DWGS: | | STRUC. DWGS: | |
| DRAWN BY: | | REVISIONS | PROJECT # |
| MARCUS | REF: | DATE | |
| CHK BY: | 1 | 5-15-15 | |
| DATE: | | | DWG. # |
| 4.22.2015 | | | PV |
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NOTES:
1. CONC. FORM PRESSURE IS NOT TO EXCEED 900 PSF.
2. 25 PSF MAX. L. L. PER WORKING PLATFORM.
3. CONTRACTOR TO INSTALL AND CONFIGURE PIPE BRACE LAYOUT PER DAYTON SPECIFICATIONS (ATTACHED).
4. CONTRACTOR TO VERIFY ALL DIM., EL. & WALL THICKNESS AND OVERALL EQUIPMENT LAYOUT PRIOR TO THE SHIPMENT OF MATERIALS.
5. THE WALLFORM AND/OR PLATFORM DESIGN ANALYSIS IS LIMITED TO ESTABLISHMENT OF LOADS IMPOSED ON THE EQUIPMENT DESIGNED AND FURNISHED BY ATLAS CONSTRUCTION SUPPLY. ANALYSIS OF THE EXISTING CONCRETE STRUCTURES ADEQUACY TO SAFELY SUPPORT AND TRANSFER THE LOADS IMPOSED BY THE SHORING EQUIPMENT IS EXCLUDED AND TO BE FURNISHED BY THE ARCHITECT/ENGINEER OF RECORD IN ACCORDANCE WITH ACI 347-03 SECTION 2.5 AND 3.8.5.

WALLFORM PLAN TYP. LVL 1-20

1/8" = 1'-0"



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 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 900 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

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WWW.ATLASFORM.COM

CONTRACTOR:
HARDROCK

PROJECT:
**LUHR HOTEL
CENTRAL AVE AND MADISON STREET
PHOENIX, AZ**

DRAWING TITLE:
OVERALL FLOOR PLAN

THIS PLAN BASED ON:

ARCH. DWGS:	STRUC. DWGS:	PROJECT #
DRAWN BY: MARCUS	REF: DATE	PV2
CHK BY:	1 5-15-15	
DATE: 4.22.2015		

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