Deferred Submittal

- METAL BUILDING (FOUNDATION PLAN INCLUDED IN THIS SET)

Future Install

- ALL PV SOLAR PANELS SHALL BE INSTALLED AT A FUTURE TIME AND ANY ADDITIONAL PLANS REQUIRED FOR SUBMITTAL WILL BE SUBMITTED THEN. THESE PLANS ARE FOR PREPARATION ONLY.

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GENERAL
G1.0 Code Review 2

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C1.6 Site Plan 3
C1.1 Enlarged Site Plan 4

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A1.1 Aviary Floor Plan 6
A1.2 Roof/Door/Window Schedules 7
A1.4 Enlarged Bath and WC Details 8
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A1.6 Service Center Equipment Plan 10
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P3 Building Plumbing Plan 32

ELECTRICAL
E1 Service Center Power Plan 33
E2 Service Center Lighting Plan 34
E3 Service Center Power Plan 35
E4 Building Power Plan 36
GENERAL NOTES:
1. This survey was prepared in accordance with the commitment for title insurance issued by Fidelity National Title Insurance Company, Order No. 503005, effective date June 8, 2000. Anyone having an interest in the subject property should obtain a copy of the noted title report and review the schedule B items.
2. Basis of bearings: the base of bearings for this project is the north line of the southeast quarter of section 13, township 13 south, range 20 east, Gila & Salt River Meridian, Cochise County, Arizona. Said bearing being north 89°58'25" east, as shown herein.
3. Basis of elevations: the basis of elevations for this project is the United States National Geodetic Survey Control Point "CASCA" (PID: CZ1800) being an NGS Bronze Disk in concrete approximately 4200 feet north and 2900 feet west of the northwest corner of the subject parcel. Said elevation being 3292.98 (NAVD-88) per the NGS Data Sheet for said Control Point.
4. References used as a part of this survey:
   a. BOOK 12, PAGE 42, RECORDS OF SURVEY
5. AREA: SUBJECT PROPERTY CONTAINS 73.8780 ACRES MORE OR LESS.
6. ASSESSOR TAX PARCEL (APN) IDENTIFICATIONS SHOWN HEREON ARE FROM THE COCHISE COUNTY TAX MAP AS PROVIDED WITH THE TITLE REPORT LISTED IN GENERAL NOTE No. 1.
7. THIS SURVEY WAS PERFORMED BY DAVID L. PUTT, RLS 13019.

TOPOGRAPHY NOTES:
1. THE TOPOGRAPHIC SURVEYS WERE PERFORMED BY COOPER AERIAL SURVEYS COMPANY USING AERIAL MAPPING METHODS BASED ON AERIAL GROUND CONTROL PROVIDED BY PUTTLAND SURVEYING, INC., IN OCTOBER, 2011.
2. THE AERIAL MAPPING HAS BEEN AUGMENTED WITH GROUND DATA COLLECTED BY PUTTLAND SURVEYING, INC., IN DECEMBER, 2011 (SEE AUGMENTED TOPOGRAPHY LEGEND). NAMES, UNDERGROUND UTILITIES, AND OTHER AUGMENTED ITEMS SHOWN HEREON HAVE BEEN PROVIDED BY THE CLIENT.

TOPOGRAPHY LEGEND:
1. THE TOPOGRAPHY SHOWN HEREON WAS PERFORMED BY COOPER AERIAL SURVEYS COMPANY USING AERIAL MAPPING METHODS BASED ON AERIAL GROUND CONTROL PROVIDED BY PUTTLAND SURVEYING, INC., IN OCTOBER, 2011.
2. THE AERIAL MAPPING HAS BEEN AUGMENTED WITH GROUND DATA COLLECTED BY PUTTLAND SURVEYING, INC., IN DECEMBER, 2011 (SEE AUGMENTED TOPOGRAPHY LEGEND). NAMES, UNDERGROUND UTILITIES, AND OTHER AUGMENTED ITEMS SHOWN HEREON HAVE BEEN PROVIDED BY THE CLIENT.
Note: while the lines of existing pecan trees are fairly accurate, individual trees are not including trees that have died. The relocation of drives may be necessary, as well as the removal of some trees for proper placement of buildings, drives, septic systems, etc. Consult Architect & Owner before work begins.

Note: Contractor to follow Western Tech Geotech report for all earthwork & foundations

Note: Building floor min. 8' above grade.

Provide positive drainage away from buildings.

Oasis Bird Sanctuary
5411 N. TERAN RD., BENSON, AZ 85602

Ex. trees

12' Drive

12' ELECT. CART ACCESS (TYP.)

12' ELECT. CART ACCESS (BY OWNER) TYP.

exist. leach field (approx)

exist. septic tank (approx)

office

residents

12' Tree/Landscape buffer/cink fence (ft.)

12' Service Road

TERAN ROAD

Enlarged Site Plan

C1.1

Enlarged Site Plan

07/28/14

DATE:

2211

BRIAN LOCKHART ARCHITECT, ltd.
1202 E. BROADWAY BLVD. Suite 110, TUCSON, AZ 85719
(520) 470-9377  lockhartarch@gmail.com

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BRIAN

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Certificate

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ARCHIT

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EXP. DATE 6-30-15

Co. Director: Janet Trumbule & Joe Dyson
Office # 520-212-4739

3000

AFRICAN GRAYS

MACAW AVIARY

FEMALE COCKATOO AVIARY

SERVICES CENTER (PROPOSED)

BIRD BLDG. (PROPOSED)

ELECT. SERVICE ENTRY

Water Entry

proposed Septic tank

proposed leach field

proposed reserve leach field

ex. fence

"TERAN ROAD"

POWER POLE
SSVEG: to set transform run power underground to SERVICE CENTER

water from exist. well

4" GREY WATER LINE
SEE ENLARGED PLAN

The drawings are instruments of service and shall remain the property of Brian Lockhart Architect Ltd. Whether the architect assumes no responsibility for work in place deviating from the information & intent of these drawings.
Door and Frame General Notes:

1. It shall be the specific duty and responsibility of each trade and/or supplier to examine all drawings and specifications, and to provide and/or install all proper hardware, equipment, fixtures, materials, etc. pertaining to their part of the work as necessary for a complete and operable installation. The installation of all doors, frames, hardware, and other materials shall conform to the respective manufacturer's recommended installation instructions. Unless noted otherwise, refer to the electrical drawings for additional information on electrically operated hardware.

2. The door and frame schedules are for the convenience of the contractor(s) to assist them in understanding and constructing the project. It is the contractor's responsibility to verify that all items in the schedule(s) reflect the drawings and specifications.

3. Any omissions or discrepancies in the drawings and specifications shall be brought to the attention of the architect by the contractor prior to bid opening. Bids received shall be considered to include all items for a complete project. No extras shall be allowed.

4. Opening numbers generally correspond to the room numbers where they are located. Opening numbers are shown on the plan(s).

5. All non-rated and 20 minute fire rated door/lite frames shall be equal to 'Western Integrated Materials Inc.' Series 300 Clear Anodized Aluminum, supplied with all prefinishes snap-on casings, brackets and mutes to accommodate 1-3/4" interior doors.

6. All non-rated and 20 minute fire rated door/lite frames shall be equal to 'Western Integrated Materials Inc.' Series 300 Clear Anodized Aluminum, supplied with all prefinishes snap-on casings, brackets and mutes to accommodate 1-3/4" interior doors.

Finish Abbreviations

BASE B1 6" RUBBER BASE
B2 4" QUARRY TILE BASE
W1 5/8" GWB - PAINT
W2 1/2" USG "Durock"
W3 CMU WALL - SEALED
W4 @ WET LOCATIONS

Door Types

- EXT. FLUSH
- INT. FLUSH
- SLIDING GLASS DOOR
- SECTIONAL GARAGE DOOR

Window Types

- EXT. FLUSH
- INT. FLUSH
- SLIDING GLASS DOOR
- SECTIONAL GARAGE DOOR
Enlarged Bath Keynotes:

1. PROVIDE A 5" X 5" SYMBOL OF ACCESSIBILITY AT ALL PRIMARY BUILDING ENTRANCES.
2. PROVIDE APPROVED BRAILLE SIGNAGE ON STRIKE SIDE OF TOILET ROOM DOORS, CENTERED 60" A.F.F.
3. DOORS SHALL HAVE LEVER HANDLES OR EQUIVALENT.
4. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
5. PROVIDE ENLARGED SYMBOLS ON REQUIRED SIGNS.
6. DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
7. THRESHOLDS SHALL NOT EXCEED 1/2" CHANGE OF 1/4".
8. FAUCET CONTROLS AND OPERATING MECHANISMS ETC. SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. FOR INTERIOR 3'-6" DOORS AND 8.5 LBS. FOR EXTERIOR DOORS.
9. THE CHARACTERS & BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND—EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
10. FAUCET CONTROLS AND OPERATING MECHANISMS ETC. SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. FOR INTERIOR 3'-6" DOORS AND 8.5 LBS. FOR EXTERIOR DOORS.
11. MOUNTED AT 30" TO 44" HIGH
12. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS & SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE ENTRANCE TO SUCH SPACE.
13. MOUNTING HEIGHT SHALL BE 60" (1525MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" (76MM) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.

General Accessibility Notes:

1. PROVIDE A 5" X 5" SYMBOL OF ACCESSIBILITY AT ALL PRIMARY BUILDING ENTRANCES.
2. PROVIDE APPROVED BRAILLE SIGNAGE ON STRIKE SIDE OF TOILET ROOM DOORS, CENTERED 60" A.F.F.
3. DOORS SHALL HAVE LEVER HANDLES OR EQUIVALENT.
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9. THE CHARACTERS & BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND—EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
10. FAUCET CONTROLS AND OPERATING MECHANISMS ETC. SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. FOR INTERIOR 3'-6" DOORS AND 8.5 LBS. FOR EXTERIOR DOORS.
11. MOUNTED AT 30" TO 44" HIGH
12. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS & SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE ENTRANCE TO SUCH SPACE.
13. MOUNTING HEIGHT SHALL BE 60" (1525MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" (76MM) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.

International Signage

1. LETTERS & NUMBERS ON SIGNS SHALL HAVE A MINIMUM HEIGHT BETWEEN 1/8" & 1/4" A STRONGLY CONTRASTING COLOR.
2. CHARACTERS & NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VISIBLE DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE A, LARGER CASE WITHOUT THE UPWARDS TAIL ON THE CAPITAL LETTER "E", AND A LOWER CASE LETTER "O".
3. LETTERS & NUMBERS SHALL BE BOLDED IN 1/2" UPPER CASE. SANS SERIF OR SIMPLIFIED Serif TYPE & SHALL BE ACCOMPANIED WITH 2 TIMES THE HEIGHT OF THE LETTER "H" IN THE CASE OF BOLDED TYPE.
4. FOR SIGNAGE MOUNTED HORIZONTALLY, THE LETTER & NUMBER HEIGHTS SHALL BE BOLDED IN 1/2" UPPER CASE. SANS SERIF OR SIMPLIFIED Serif TYPE & SHALL BE ACCOMPANIED WITH 2 TIMES THE HEIGHT OF THE LETTER "H" IN THE CASE OF BOLDED TYPE.
5. THE CHARACTERS & BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND—EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
6. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS & SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE ENTRANCE TO SUCH SPACE.
7. MOUNTING HEIGHT SHALL BE 60" (1525MM) ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" (76MM) OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.

Approval Stamp

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE & SHALL REMAIN THE PROPERTY OF BRIAN LOCKHART ARCHITECT LTD. WHETHER THE PLAN IS ACCEPTED OR REjected THE ARCHITECT ASSUMES NO RESPONSIBILITY OF WORK IN PLACE DEVIATING FROM THE INFORMATION & INTENT OF THESE DRAWINGS.
These drawings are instruments of service and shall remain the property of Brian Lockhart Architect Ltd. Whether the architect assumes no responsibility of work in place deviating from the information & intent of these drawings.

DATE: 07/28/14

BRIAN LOCKHART ARCHITECT, LTD.
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(520) 470-9377  lockhartarch@gmail.com

Oasis Bird Sanctuary
5411 N. TERAN RD., BENSON, AZ 85602

Bathroom Elevations

Key Value

1. C.T. UP TO 48" AFF SEE SPECS
2. 36" GRAB BAR MOUNTED @ 34" A.F.F.
3. 42" GRAB BAR MOUNTED @ 34" A.F.F.
4. MIRROR
5. WALL-MOUNTED SOAP DISPENSER
6. SURFACE-MOUNTED SHEET TOILET TISSUE DISPENSER, INSTALL PER MFR. REQUIREMENTS AND A.D.A. ACCESS
7. 1/2" GENERAL DN. REFER TO DETAILS
8. SURFACE-MOUNTED PAPER TOWEL DISPENSER DISPOSAL, INSTALL PER MFR. REQUIREMENTS AND A.D.A. ACCESS
9. SANITARY NAPKIN DISPOSAL

---

Womens - Int. Elevation

Mens - Int. Elevation

Womens - Int. Elevation

Mens - Int. Elevation

Womens - Int. Elevation

Mens - Int. Elevation

Womens - Int. Elevation

Mens - Int. Elevation

---

1/2" = 1'-0"
3/16" = 1'-0"1
South Elevation

3/16" = 1'-0"2
West Elevation

3/16" = 1'-0"3
North Elevation

3/16" = 1'-0"4
East Elevation

---

1. 8" INSULATED OPTILINER BANDED SYSTEM W/ DBL LAYER OF FULL BATT (R19) UNFACED FIBERGLASS INSULATION CONSISTING OF A 6" LAYER BETWEEN WALL PANEL AND GERTS - PROVIDE CONTINUOUS WHITE PROTECTIVE SURFACE TO INTERIOR W/ 26 GA METAL LINER AT WALLS TOTAL R-25

2. CHAINLINK CAGE FENCE BY CONTRACTOR

3. METAL ROOF OVER HAT CHANNEL PURLINS @ 24" O.C. OVER 2" BMS @ 4' O.C.

4. 20 GA GUTTER & DOWNSPOUT PER SMACNA STYLE 'A' WITH 6" DOWNSPOUT @ 20' O.C.

5. 26 GA METAL ROOF PREFINISHED 20 YR CERTifying color # as selected by architect with service center. OPTIMIZE BANDED SYSTEM IN DBL LAYER OF FULL BATT (R35) UNFACED FIBERGLASS INSULATION CONSISTING OF A 8" LAYER BETWEEN ROOF PANEL AND METAL BUILDING FRAME W/ CONTINUOUS WHITE PROTECTIVE SURFACE TO INT.

6. SOLAR TUBE SEE 5/A6.1 FOR SIZE AND SEE SPECS

7. AC UNIT DIVIDED, REFER TO MECHANICAL PLANS

8. STL. ROOFING SEE SPECS OVER EXIST. SHEET METAL

9. PV PANELS (FUTURE INSTALL)

10. 36"X36" LOUVER W/ BACKDRAFT DAMPER SEE MECH. PLAN

---

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE & SHALL REMAIN THE PROPERTY OF BRIAN LOCKHART ARCHITECT LTD. WHETHER THE ARCHITECT ASSUMES NO RESPONSIBILITY OF WORK IN PLACE DEVIATING FROM THE INFORMATION & INTENT OF THESE DRAWINGS.
CASEWORK NOTES:

1. SUBMIT SHOP DRAWINGS AND SPECIFICATIONS OF ITEM SHOWN SHOWING SIZES OF MEMBERS, METHODS OF CONSTRUCTION, MOUNTING, INSTALLATION, AND CLEARLY MARKED LOCATIONS OF ANY VISIBLE OR HIDDEN VENTS, OUTLETS, AND CONNECTIONS.

2. FIELD VERIFY ALL CABINET & DIMENSIONS PRIOR TO FABRICATION & INSTALLATION. VERIFY & MEASURE ALL ADJACENT WORK AFFECTING DIMENSIONS OF CASework & SUBMIT IN SHOP DRAWINGS. VERIFY & MEASURE ALL AdjACENT WORK AFFECTING DIMENSIONS.

3. PROVIDE FILLER STRIPS WHERe CABINETS ARE ADJACENT TO WALLS AS SHOWN. PROVIDE ADJACENT WALLS WITH UNEXPOSED BASE & HINGE LOCATIONS OF ANY VISIBLE SEAMS OR JOINTS IN PLASTIC LAMINATED COUNTERTOPS.

4. FIELD VERIFY ALL CABINET & DIMENSIONS PRIOR TO FABRICATION & INSTALLATION. VERIFY & MEASURE ALL AdjACENT WORK AFFECTING DIMENSIONS.

5. BASE & WALL-HUNG CABS shall HAVE ADJUSTABLE SHELVES UNLESS NOTED OTHERWise. 2 SHELVES AT WALL-HUNG UPPER AND ONE AT BASE CABINETS, TYPICAL.

6. PROVIDE MATCHING FILLER STRIPS WHERE CABINETS ARE ADJACENT TO WALLS AS SHOWN. PROVIDE ADJACENT WALLS WITH UNEXPOSED BASE & HINGE LOCATIONS OF ANY VISIBLE SEAMS OR JOINTS IN PLASTIC LAMINATED COUNTERTOPS.

7. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS AS INDICATED. LOCKS SHALL BE SOLID BRASS CYLINDER, 5 PIN TUMBLER, DEAD BOLT TYPE. US26D SATIN CHROME FINISH U.N.O.

8. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS AS INDICATED. LOCKS SHALL BE SOLID BRASS CYLINDER, 5 PIN TUMBLER, DEAD BOLT TYPE. US26D SATIN CHROME FINISH U.N.O.

9. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS AS INDICATED. LOCKS SHALL BE SOLID BRASS CYLINDER, 5 PIN TUMBLER, DEAD BOLT TYPE. US26D SATIN CHROME FINISH U.N.O.

10. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS AS INDICATED. LOCKS SHALL BE SOLID BRASS CYLINDER, 5 PIN TUMBLER, DEAD BOLT TYPE. US26D SATIN CHROME FINISH U.N.O.

11. PROVIDE入りなさい LOCKS AT ALL CABINET DOORS AND DRAWERS AS INDICATED. LOCKS SHALL BE SOLID BRASS CYLINDER, 5 PIN TUMBLER, DEAD BOLT TYPE. US26D SATIN CHROME FINISH U.N.O.
Aviary Roof Plan

Storage Building Section

Aviary Building Section

**Key Value**

1. 1/4" = 1'-0" SOLAR TUBES SEE SPECS.
2. A/C UNIT ON ROOF, REFER TO MECHANICAL PLANS.
3. EXHAUST COOLER ON ROOF SEE MECH. PLANS.
4. DOWNSPOUT ON ROOF SEE MECH. PLANS.
5. LINE OF EXIST WALL BELOW
6. STL. ROOFING SEE SPECS OVER EXT. SHTG.
7. 20 GA GUTTER & DOWNSPOUT PER SMACNA STANDARDS STYLE 'A' WITH 6" DOWNSPOUT @ 20' O.C.
8. 20 GA PAINTED STEEL, FACADE, TYP.
9. CONT. RIDGE VENT
10. IF INSTALLED OPERABLE BANDED SYSTEM IN DBL LAYER OF FULL BATT UNFACED FIBERGLASS INSULATION CONSISTING OF 8" LAYER OF 25 GA METAL LINER AT WALLS TOTAL R-25
11. SOLAR TUBE SEE 5/A6.1 FOR SIZE AND SEE SPECS
12. 26GA METAL ROOF PREFERENCES, VR & VR GUTTER COLORED AS SELECTED BY ARCHITECT/CONTRACTOR SEE MECH. PLANS.
13. MTL BUILDING FRAME SEE STRUCT.
14. CONC. SLAB REFER TO FOUNDATION PLANS
15. MTL. ROOF OVER HAT CHANNEL PURLINS @ 12" O.C. OVER 2" BMS @ 4' O.C.
16. STL. COL. SEE STRUCT.
17. FILTER GRILL SEE MECH.
18. 20 GA GUTTER & DOWNSPOUT PER SMACNA STANDARDS STYLE 'A' WITH 6" DOWNSPOUT @ 20' O.C.
19. 3 5/8" MTL STUD WALL @ 24" O.C. EXT. TO CONSTRUCT BUILDING WALL AND CEILING TO BE UNFINISHED.
20. PV PANELS (FUTURE INSTALL)

**Notes**

- CONT. RIDGE VENT
- EXP. DATE 6-30-15
- ARCHITECT ASSUMES NO RESPONSIBILITY FOR WORK IN PLACE DEVIATING FROM THE INFORMATION & INTENT OF THESE DRAWINGS.
- THESE DRAWINGS ARE INSTRUMENTS OF SERVICE & SHALL REMAIN THE PROPERTY OF BRIAN LOCKHART ARCHITECT LTD. WHETHER THE ARCHITECT MSE. ENG. DELEGATES TO A THIRD PARTY.
- DATE: 7-29-14
- BRIAN LOCKHART ARCHITECT, LTD.
- 1202 E. BROADWAY BLVD. SUITE 110, TUCSON, AZ 85719
- (520) 470-9377  lockhartarch@gmail.com

**Dimensions**

- 1/4" = 1'-0"
Reflected Ceiling Plan

### Ceiling Types

1. 5/8" GWB CEILING - PAINT
2. 5/8" GWB CEILING M.R. - PAINT
3. MCBI MTL PANEL FW-120

### RCP Keynotes

<table>
<thead>
<tr>
<th>Key Value</th>
<th>Keynote Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20 GA GUTTER &amp; DOWNSPOUT PER SMACNA STANDARDS STYLE 'A' WITH 6&quot; DOWNSPOUT @ 20' O.C.</td>
</tr>
<tr>
<td>2</td>
<td>KIT. HOOD SEE EQUIPMENT PLAN AND MECH.</td>
</tr>
<tr>
<td>3</td>
<td>STEEL BEAM, SEE STRUCTURAL DRAWINGS</td>
</tr>
<tr>
<td>4</td>
<td>8' X 20 STORAGE CONTAINER</td>
</tr>
<tr>
<td>5</td>
<td>SPACE HEATER SEE MECH.</td>
</tr>
</tbody>
</table>

### CEILING PLAN NOTES

1. THIS SET AND SHALL MEET THE REQUIREMENTS OF THE I.B.C. COMMENT. BORDERS ADOPTED BY THE MUNICIPALLY HAVING JURISDICTION OVER THIS PROJECT.
2. ALL CEILING HANGERS AND BRACED DUCTS, PIPES, ETC. MUST BE SEPARATE.
3. ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE ABOVE. PROVIDE HANGERS OR OTHER SUPPLEMENTARY SUPPORT AS REQUIRED. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT CEILING BREAKS, SOFFITS, OR UNCONTINUOUS AREAS.
4. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR DEVICES WEIGHING MORE THAN 56 POUNDS MAY BE SUPPORTED ON HEAVY DUTY GRID, BUT MUST HAVE 2 #12 GA. BLACK SAFETY WIRES FROM DIAGONAL CORNERS TO THE STRUCTURE ABOVE.
5. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR DEVICES WEIGHING MORE THAN 56 POUNDS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 #12 GA WIRE CAPABLE OF SUPPORTING 4 TIMES THE LOAD.
6. PENDANT MOUNTED LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY TO THE STRUCTURE ABOVE WITH HANGER Wires THROUGH AHEAD-HANGING CAPABLE OF SUPPORTING 4 TIMES THE LOAD.
7. WHEN DRILLED ON CONCRETE ANCHORS OR SHOT-INS ARE USED FOR CEILING WIRE SUPPORTS, ONE IN TEN MUST BE TESTED. THE TEST LOAD SHALL BE TWICE THE DESIGN LOAD. TEST 200 LB TENSION FOR HANGER Wires; 440 LB TENSION FOR SPLAY Wires.
8. PROVIDE ACCESS PANELS WHERE REQUIRED FOR MECHANICAL, PLUMBING, OR ELECTRICAL INSTALLATIONS.

---

BRIAN LOCKHART ARCHITECT, LTD.
1202 E. BROADWAY, SUITE 110, TUCSON, AZ 85719
(520) 470-0957
www.lockhartarch.com

July 28, 2014

Co. Director: Janet Trumbule & Joe Dynon
Office # 520-212-4739

Oasis Bird Sanctuary
5411 N. TERAN RD., BENSON, AZ 85602

Service Center RCP

A4.0

3/16' = 1'-0"
Roof Plan

Attic Ventilation Calc.

VENTILATION REQUIRED PER SEC. 1203.2

Roof: 5,685 S.F. / 300 = 18.95 S.F.

VENTILATION:

18.95 / 2 = 9.475 S.F. (HI AND LOW)

HI

RIDGE VENT

9.475 S.F. = 50.53 LINEAR FEET

LOW

4"x1" CONT. SOFFIT VENT INSTALLED IN PRIMTER OF MTL. SOFFIT = .03 S.F.

9.475 REQUIRED

.03x320 = 9.6 S.F. PROVIDED

Roof Plan Keynotes:

1 14" DIA. SOLAR TUBES SEE SPECS.
2 A/C UNIT ON ROOF, REFER TO MECHANICAL PLANS
3 EVAP COOLER ON ROOF SEE MECH. PLAN
4 EXHAUST FAN THRU ROOF SEE MECH. PLAN
5 LINE OF EXT. WALL BELOW
6 STL. ROOFING SEE SPECS OVER EXT. SHTG.
7 20 GA. GUTTER & DOWNSPOUT PER SMACNA STANDARDS STYLE 'A' WITH 6" DOWNSPOUT @ 20' O.C.
8 20 GA. PAINTED STEEL FASCIA, TYP.
9 CONT. RIDGE VENT
10 PV PANELS (FUTURE INSTALL)
Lintel Schedule

<table>
<thead>
<tr>
<th>Lintel Mark</th>
<th>Size</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-1</td>
<td>5X3 1/2X1/4</td>
<td>SEE DET. 10 &amp; 19 S4.0</td>
</tr>
<tr>
<td>L-2</td>
<td>6X3 1/2X3/8</td>
<td>SEE DET. 10 &amp; 19 S4.0</td>
</tr>
</tbody>
</table>

Truss Notes:
1. TOP CHORDS SHALL BE 2x8 (MIN.)
2. BOTTOM CHORD SHALL BE 2x6
3. TRUSS LOADS:
   - DL = 20PSF (TOP CHORD)
   - LL = 10PSF (BOTTOM CHORD)
   - DEFLECTION: L/240 (TOTAL LOAD)
   - L/360 (LIVE LOAD)

Aviary Framing Plan:

- 3 1/2"x14" GANGLAM 2950Fb-2.0E TYP. RIM BEAM
- 3 1/2"x14" GANGLAM 2950Fb-2.0E TYP. RIM BEAM

Framing Plan:

- 3 1/2"x14" GANGLAM 2950Fb-2.0E TYP. RIM BEAM
- 3 1/2"x14" GANGLAM 2950Fb-2.0E TYP. RIM BEAM

Oasis Bird Sanctuary
5411 N. TERAN RD., BENSON, AZ 85602
GENERAL:

1. General Reference:
   a. All work shall conform to the requirements of the International Building Code (IBC 2003).
   b. Design Loads:
      i. Dead Load: 14.98 psf
      ii. Wind Load (Per structural engineer): 10 psf
      iii. Roof Live Load: 20 psf
      iv. Roof Dead Load: 15 psf

2. DEFERRD SUBMITTALS (FOR METAL BUILDING - AVIARY BUILDING):
   a. All work must conform to the requirements of the International Building Code (IBC 2003).
   b. Design Loads:
      i. Wind Load........... 14.98 psf
      ii. Roof Live Load..... 20 psf
      iii. Roof Dead Load... 15 psf
      iv. Seismic use group = 1 (Section 1616.6.3)
      v. Site Class........ 'D'
      vi. Spectral Response Coeff.:
         i. Sds = 2/3 Sms...... (2/3)(0.283) = 0.189
         ii. Fa     = 1.6
            iii. Fv    = 2.4

3. Washington State Code Requirements:
   a. Foundation and Earthwork:
      i. All footings shall be founded at the depths indicated on the construction drawings.
      ii. Compaction Floor Slab Support and Backfill: 90% Compaction.
   b. Concrete:
      i. All concrete shall be ready mixed conforming with ASTM C-94 and attain the following min. strengths at 28 days:
         a) Footings, Stem Walls and Slab on Grade... 2500 psi
         b) Walls and Slab on Grade... 2000 psi
      ii. All reinforcing steel shall be deformed bars conforming to ASTM A-615, Grade 40 with minimum 30" chairs, spacers or hangers.
      iii. Concrete shall be free of fly ash and chloride.
   c. Masonry:
      i. All masonry work shall be constructed in accordance with chapter 21 of the IBC 2003.
      ii. Concrete masonry units shall be hollow, load bearing, conforming to ASTM C90, type 1, Grade 2.
      iii. Masonry mortar shall conform to ASTM C270 type 'S' with a minimum 28 day gross compressive strength of 1800 psi. All test shall be per ASTM C780. Cone penetrometer shall be used to measure mortar consistency.
      iv. Masonry grout shall conform to ASTM C476 coarse grout with a minimum 28 day compressive strength of 2000 psi. Cells and courses of hollow unit masonry with bars shall be filled solid with grout proportion in paragraph 5.2 of ASTM C476
      v. Portland Cement: ASTM C150, Type II.
   d. Wood Construction:
      i. Minimum allowable unit stresses for visual grading of structural lumber (Engineered for single use) shall be equal to or greater than as listed in the following table:
   e. Roof framing joists have been designed for the following design parameters:
      i. Duration factor 1.25
      ii. Deflection allowed = 1/240 for total load.

4. It shall be the Contractors responsibility to contact the Architect prior to bidding regarding any discrepancies or omissions on the drawings to perform his work.
   a. Contractor shall verify all dimensions and conditions at site before commencing work and shall report any discrepancies to the Architect.
   b. Contractor shall make sure that work is in accordance with the design and specifications.
   c. Masonry shall be installed in accordance with the design and specifications.
   d. Masonry shall be installed in accordance with the design and specifications.

5.脱粒
   a. The drawings are instruments of service and shall remain the property of BRIAN LOCKHART ARCHITECT LTD. WHETHER THE CONTRACTOR'S 
   b. The architect assumes no responsibility of work in place deviating from the information & intent of these drawings.

DEFeRRED Submittal:

DIEFERRD SUBMITTAL FOR METAL BUILDING - AVIARY BUILDING:

SB1000:

1. General:
   a. All work shall conform to the requirements of the International Building Code (IBC 2003).
   b. Design Loads:
      i. Dead Load: 14.98 psf
      ii. Wind Load (Per structural engineer): 10 psf
      iii. Roof Live Load: 20 psf
      iv. Roof Dead Load: 15 psf

2. DEFERRD SUBMITTALS (FOR METAL BUILDING - AVIARY BUILDING):
   a. All work must conform to the requirements of the International Building Code (IBC 2003).
   b. Design Loads:
      i. Wind Load........... 14.98 psf
      ii. Roof Live Load..... 20 psf
      iii. Roof Dead Load... 15 psf
      iv. Seismic use group = 1 (Section 1616.6.3)
      v. Site Class........ 'D'
      vi. Spectral Response Coeff.:
         i. Sds = 2/3 Sms...... (2/3)(0.283) = 0.189
         ii. Fa     = 1.6
            iii. Fv    = 2.4

3. Washington State Code Requirements:
   a. Foundation and Earthwork:
      i. All footings shall be founded at the depths indicated on the construction drawings.
      ii. Compaction Floor Slab Support and Backfill: 90% Compaction.
   b. Concrete:
      i. All concrete shall be ready mixed conforming with ASTM C-94 and attain the following min. strengths at 28 days:
         a) Footings, Stem Walls and Slab on Grade... 2500 psi
         b) Walls and Slab on Grade... 2000 psi
      ii. All reinforcing steel shall be deformed bars conforming to ASTM A-615, Grade 40 with minimum 30" chairs, spacers or hangers.
      iii. Concrete shall be free of fly ash and chloride.
   c. Masonry:
      i. All masonry work shall be constructed in accordance with chapter 21 of the IBC 2003.
      ii. Concrete masonry units shall be hollow, load bearing, conforming to ASTM C90, type 1, Grade 2.
      iii. Masonry mortar shall conform to ASTM C270 type 'S' with a minimum 28 day gross compressive strength of 1800 psi. All test shall be per ASTM C780. Cone penetrometer shall be used to measure mortar consistency.
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      v. Portland Cement: ASTM C150, Type II.
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      i. Minimum allowable unit stresses for visual grading of structural lumber (Engineered for single use) shall be equal to or greater than as listed in the following table:
   e. Roof framing joists have been designed for the following design parameters:
      i. Duration factor 1.25
      ii. Deflection allowed = 1/240 for total load.

4. It shall be the Contractors responsibility to contact the Architect prior to bidding regarding any discrepancies or omissions on the drawings to perform his work.
   a. Contractor shall verify all dimensions and conditions at site before commencing work and shall report any discrepancies to the Architect.
   b. Contractor shall make sure that work is in accordance with the design and specifications.
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5.脱粒
   a. The drawings are instruments of service and shall remain the property of BRIAN LOCKHART ARCHITECT LTD. WHETHER THE CONTRACTOR'S 
   b. The architect assumes no responsibility of work in place deviating from the information & intent of these drawings.
Foundation Notes:

1. All footing shall be on engineered fill (See soils report). Special inspection required.
2. All bot. of footings shall be a min. of 1'-6" below adjacent grade.
3. Floor slab shall be 5" conc. w/ #4's @ 24" o.c. e.w.
4. See structural notes for additional information.
5. All exterior grade shall slope away from the perimeter walls.
6. Perform all special inspections per structural notes.
7. For extent of exterior concrete work, see architectural sht. S3.0.

Footing Schedule

<table>
<thead>
<tr>
<th>Area</th>
<th>Size</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-1</td>
<td>2'x2'</td>
<td>5&quot;conc. on 4&quot; slab course w/ #4's @ 24&quot; o.c. e.w.</td>
</tr>
<tr>
<td>F-2</td>
<td>2'x2'</td>
<td>5&quot;conc. on 4&quot; slab course w/ #4's @ 24&quot; o.c. e.w.</td>
</tr>
<tr>
<td>F-3</td>
<td>3'x3'</td>
<td>5&quot;conc. on 4&quot; slab course w/ #4's @ 24&quot; o.c. e.w.</td>
</tr>
<tr>
<td>F-4</td>
<td>3'x3'</td>
<td>5&quot;conc. on 4&quot; slab course w/ #4's @ 24&quot; o.c. e.w.</td>
</tr>
<tr>
<td>F-5</td>
<td>4'x4'</td>
<td>5&quot;conc. on 4&quot; slab course w/ #4's @ 24&quot; o.c. e.w.</td>
</tr>
</tbody>
</table>

Column Schedule

<table>
<thead>
<tr>
<th>Area</th>
<th>Size</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-1</td>
<td>HSS 4&quot;x4&quot;1/4&quot;</td>
<td>See DET 6/1.0</td>
</tr>
<tr>
<td>C-2</td>
<td>HSS 3 1/2&quot;x3 1/2&quot;x1/4&quot;</td>
<td>See DET 6/1.0</td>
</tr>
<tr>
<td>C-3</td>
<td>HSS 4&quot;x4&quot;1/4&quot;</td>
<td>See DET 6/1.0</td>
</tr>
<tr>
<td>C-4</td>
<td>HSS 3 1/2&quot;x3 1/2&quot;x1/4&quot;</td>
<td>See DET 6/1.0</td>
</tr>
</tbody>
</table>

Aviary Foundation Plan
3. CODES:  

b. Verify all cabinet dimensions in the field prior to fabrication.

b. Bird Building: Walls R-25, Ceiling R-35

c. See window schedule for size and types.

d. Provide backing as required for all cabinets and equipment.

e. Provide and install all required framing for a complete job in all gables & gable areas.

1. GENERAL  
a. Refer to plans, and details for glazed areas.

b. Install doors to withstand positive and negative wind loads as calculated in accordance with applicable Building Code.

b. Guaranteed in writing weather and water tight against leaks due to defects in installation, usage, and maintenance. 

c. Door stops and bumpers to match Architectural grade.

d. Provide locking and automatic opener w/ remote operator.

e. Provide all finish trim as described in the Architectural specifications.

5. Do not install fiberglass insulation on top of or within 3 inches of recessed lighting.
3. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

3.3 PREPARATION
A. Before installing metal framing units, ensure that the penetrations are ready to receive work and opening dimensions and tolerances are within acceptable limits.
B. Verify wall openings are ready to receive work and opening dimensions and tolerances are within acceptable limits.
C. Ensure that the work area is free from distortion or other defects.
D. Clean surfaces thoroughly prior to installation.
E. Install interior and exterior finish in accordance with manufacturer's instructions.
F. Secure the steel framing to the concrete floor or masonry wall with at least two 1/4" diameter expansion anchors or other equivalent fasteners as recommended by the manufacturer.

3.4 INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

4. FINISH
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

5. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

6. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

7. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

8. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

9. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

10. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

11. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

12. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

13. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

14. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

15. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

16. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

17. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

18. INSTALLATION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.

19. PROTECTION
A. All metal framing units shall be furnished by the manufacturer for achieving the best result for the final assembly. The framing shall comply with all applicable codes and standards.
B. Weights, calculations are to be made by the manufacturer, with appropriate data and information provided.
C. Ceiling texture to match walls.
A. Submit under provisions of Section 01300.

CE 14789

1. All clips must have factory-applied mastic and designed so that movement between

cross-sections, sidewall, endwall and roof framing, flashing and sheeting, and accessory

manufacturer upon request.

b. Wind bracing in the roof and/or walls need not be furnished where it can be shown that the

forces. Diagonal bracing in the roof and sidewalls may be used to resist longitudinal loads (wind,

d. Frame Design: Gable Symmetrical.

1. Frame Design: Gable Symmetrical.

2. Bolt Holes and Related Machining: Shop fabricate base plates, splices and flanges to include bolt

connection holes. Shop fabricate webs to include bracing holes.

3. Secondary structural connections (purlins and girts) to be ordinary bolted connections, which may

otherwise).    E. Field Bolted Connections: All field bolted connections shall be designed and detailed in

accordance with AISC Design Guides 4 and 16 as applicable.


C. Substitutions considered only if equal.

2) Gauge: 14.


C. Panels:


2. Gauge: 16 - 0.0181 Inches (0.460 mm).    D. Fasteners:

3. Finish: As specified in Article PANEL FINISH.

4. Base girt.

7. Stainless steel fasteners and non-long life carbon steel fasteners for roof attachment

are also available upon request.

3. "Through the roof" fasteners may only be used at endlaps and eaves.

3. Design Thicknesses - Unless otherwise noted in these specifications, the following

3. Gauge: 10 - 0.0152 Inches (0.384 mm).

3. Gauge: 13 - 0.0185 Inches (0.470 mm).

3. Gauge: 12 - 0.0155 Inches (3.90 mm).

3. Gauge: 16 - 0.0200 Inches (0.510 mm).

2. Gauge: 14 - 0.0178 Inches (0.452 mm).

1. Gauge: 18 - 0.0222 Inches (0.565 mm).

1. Gauge: 20 - 0.0254 Inches (0.640 mm).

1. Gauge: 26 - 0.0181 Inches (0.460 mm).

2. Design Thicknesses - Unless otherwise noted in these specifications, the following

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1. Design Thicknesses - Unless otherwise noted in these specifications, the following

1) Gauge: 20 - 0.0254 Inches (0.640 mm).

2) Gauge: 18 - 0.0222 Inches (0.565 mm).

2) Gauge: 18 - 0.0200 Inches (0.510 mm).

2) Gauge: 16 - 0.0200 Inches (0.510 mm).

2) Gauge: 14 - 0.0178 Inches (0.452 mm).

2) Gauge: 14 - 0.0178 Inches (0.452 mm).

2) Gauge: 13 - 0.0185 Inches (0.470 mm).

2) Gauge: 13 - 0.0185 Inches (0.470 mm).

2) Gauge: 12 - 0.0155 Inches (3.90 mm).

2) Gauge: 12 - 0.0155 Inches (3.90 mm).

2) Gauge: 11 - 0.0172 Inches (0.437 mm).

2) Gauge: 11 - 0.0172 Inches (0.437 mm).

2) Gauge: 10 - 0.0181 Inches (0.460 mm).

2) Gauge: 10 - 0.0181 Inches (0.460 mm).

2) Gauge: 9 - 0.0197 Inches (0.499 mm).

2) Gauge: 9 - 0.0197 Inches (0.499 mm).

2) Gauge: 8 - 0.0216 Inches (0.548 mm).

2) Gauge: 8 - 0.0216 Inches (0.548 mm).

2) Gauge: 7 - 0.0236 Inches (0.599 mm).

2) Gauge: 7 - 0.0236 Inches (0.599 mm).

2) Gauge: 6 - 0.0256 Inches (0.650 mm).

2) Gauge: 6 - 0.0256 Inches (0.650 mm).

2) Gauge: 5 - 0.0276 Inches (0.698 mm).

2) Gauge: 5 - 0.0276 Inches (0.698 mm).

2) Gauge: 4 - 0.0305 Inches (0.770 mm).

2) Gauge: 4 - 0.0305 Inches (0.770 mm).

2) Gauge: 3 - 0.0370 Inches (0.940 mm).

2) Gauge: 3 - 0.0370 Inches (0.940 mm).

2) Gauge: 2 - 0.0406 Inches (1.030 mm).

2) Gauge: 2 - 0.0406 Inches (1.030 mm).

1) Gauge: 3 - 0.0370 Inches (0.940 mm).

1) Gauge: 3 - 0.0370 Inches (0.940 mm).

1) Gauge: 2 - 0.0406 Inches (1.030 mm).

1) Gauge: 2 - 0.0406 Inches (1.030 mm).

1) Gauge: 1 - 0.0500 Inches (1.290 mm).

1) Gauge: 1 - 0.0500 Inches (1.290 mm).

3. Finish: Red Oxide Primer.

2. Finish: Zinc (3.25 ozsq ft).

3. Finish: Galvalume.    D. Fasteners:

2. Finish: Galvalume.

3. Finish: Galvalume.

2. Finish: Galvalume.

3. Finish: Galvalume.    D. Liner Panels:

2. Finish: Galvalume.

3. Finish: Galvalume.    D. Liner Panels:

2. Finish: Galvalume.

3. Finish: Galvalume.    D. Liner Panels:

2. Finish: Galvalume.

3. Finish: Galvalume.

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