



### GENERAL STRUCTURAL NOTES

These notes supplement the Specifications. Refer to the Specifications for additional requirements.

#### 1. DESIGN CRITERIA:

- 1.1. BUILDING CODES USED FOR DESIGN:
- 1.1.1. IBC 2018
- 1.2. STRUCTURAL TESTS AND SPECIAL INSPECTIONS:
- 1.2.1. Qualifications of special inspectors and frequency of tests and inspections shall be as defined in CASE 962C - Guideline for International Building Code-Mandated Special Inspections and Tests and Quality Assurance.

#### 1.3. DESIGN LOADS:

- 1.3.1. Risk Category:
  - From IBC Table 1604.5
  - Risk Category . . . . . . . . . . . II
- 1.3.2. DESIGN LIVE LOADS:

# 

## 1.3.3. WIND LOAD:

Ul	timate	Design Wind Spee	d:				•	115 ME
Exj	posure	Classification:						С
In	ternal	Pressure Coeff:						+0.18
			•	•	•	•	•	-0.18
1.3.4.	SNOW	LOAD:						

#### Ground Snow Load: . . . . . . . . . . . . 20 PSF Flat Roof Snow Load: . . . . . . . . 20 PSF Snow Exposure Factor: . . . . . . 0.9 Snow Load Importance Factor: . . 1.0 Roof Thermal Factor: . . . . . . 1.0

Roof Slope Factor: . . . . . . . 1.0

#### 1.3.5. SEISMIC LOADS:

Importance Factor:	1.0
Seismic Design Category:	В
Site Class:	С
Mapped Spectral Response Coefficient	s
SS:	0.1274 g
S1:	0.0612 g
Design Spectral Response Coefficient	s
SDS:	0.102 g
SD1:	0.069 g

## 2. DESIGN STRENGTHS:

#### 2.1. DIMENSIONAL LUMBER:

2.1.1. Structural Framing (beams, joists, studs, plates): Spruce-Pine-Fir #1/#2

#### Fb = 875 PSIFv = 135 PSI

Fc parallel = 1,150 PSI E = 1,400 KSI

2 - 2 X 8 BLOCKING -----W/ SIMPSON HUS28-2 P2682 BEAM CLAMP OR EQUIV HANGER OR EQUIV W/ 2 - 3/8" DIA X 2 1/2" LAG SCREWS (ANCHOR EA END TYP ABOVE MID-DEPTH) TYP **⊢**₩¬

## NEW EXHAUST HOOD SUPPORT DETAIL S100 3/4" = 1'-0"

### 3. STRUCTURAL WOOD:

3.1. REFERENCES:

IBC 2012

NFPA National Design Specification for Wood Construction Design Values for Wood Construction NFPA

3.2. DIMENSION LUMBER:

- 3.2.1. All member sizes given on plan are nominal dimensions.
- 3.2.2. All beams and joists not bearing on supporting members shall be framed with "Simpson" joist hangers or equal. Use Type LUSXX for single 2x's and Type LUSXX-2 for double 2x's.
- 3.2.3. All nailing shall be in accordance with IBC Table No. 2304.10.1 unless noted otherwise.

### 4. MISCELLANEOUS:

- 4.1. NEW WORK IN CONJUNCTION WITH EXISTING CONSTRUCTION:
- 4.1.1. VERIFICATION: The Contractor shall verify, by field check, all sizes, dimensions, elevations, locations, etc. of elements of the existing construction which are relative to the new construction.
- 4.1.2. DIMENSIONS: All dimensions involving new Work tying into or governed by existing construction shall be field checked by the Contractor and furnished to the Subcontractors prior to fabrication of any Work. The verified dimensions shall appear and be noted as such on the first shop drawing submitted.
- 4.1.3. ASSUMPTIONS: The Engineer has made assumptions concerning the soundness of the existing buildings and these assumptions are that this building was designed and constructed in conformity with good design and construction practices. The Contractor shall take extraordinary precautions concerning preservation of the building during demolition and new construction Work. Further, the Contractor shall agree to assume all responsibility for the preservation of this property.
- 4.1.4. NOTIFICATION: The Contractor shall notify the Architect/Engineer immediately of any discrepancies between construction documents and actual field conditions.
- 4.2. GENERAL:
- 4.2.1. These drawings do not include necessary components for construction safety.
- 4.2.2. During construction, the Contractor may encounter existing conditions which are not now known or are at variance with project documentation (Discovery). Such conditions may interfere with new construction or required protection and/or support of existing Work during construction, or may consist of damage or deterioration to structural materials or components which could jeopardize the structural integrity of the building(s).
- 4.2.3. The Contractor shall notify the Engineer of all Discoveries that the Contractor believes may interfere with proper execution of the Work or jeopardize the structural integrity of the building(s) prior to proceeding with Work related to such Discoveries.

(E) ROOF SHEATHING

— (E) PRE-ENGINEERED WOOD TRUSS TYP

- 1/2" DIA THREADED ROD @ EA HOOD HANGING POINT LOCATION (SEE HOOD MANUFACTURER FOR ATTACHMENT REQUIREMENTS)

VENT HOOD (SEE MECH)

SEE ARCH

ARCHITECTS 2145 Ford Parkway, Suite 3 Saint Paul, Minnesota 551 STRUCTURAL ENGINEERING 2550 University Ave. W. Suite 423-5 St. Paul, MIN S5114 651.251.7570 WWW.eraeng.com SEAL/SIGNATURE:	fin	AS NOTED ON PLANS R DEVELOPMENT SERV LEE'S SUMMIT, MISS 02/12/2021
PROJECT: PROJEC	A R C	HITECTS
STREETS OF WEST PRYOR Coyfield STREETS OF WEST PRYOR CONTRESSION CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY::MD CHECKED BY:MD CHECKED BY:MD CHECKED BY:MD CHECKED BY:MD CHECKED BY:MD		2145 Ford Parkway, Suite Saint Paul, Minnesota 55 651.690.5 www.finn-daniels.c
SEAL/SIGNATURE: SEAL/SIGNATURE: SEAL/SIGNATURE: SEAL/SIGNATURE: SEAL/SIGNATURE: NUMBER E-26972 SEAL/SIGNATURE: NUMBER E-26972 Copyright @ Copyright @ Checked By:: MD Checked By:: L25.202	STRUCTUR 2550 Universit Suite 423-S St. Paul. MN 55	<b>RRAL ENGINEERIN</b> ty Ave. W.
SEAL/SIGNATORE:	651.251.7570 www.eraeng.c	com
INCHAEL ANDREW DESUTTER NUMBER E-26972 Copyright @ PROJECT:	SEAL/SIGNA	OF MISCO
PROJECT: PROJECT: PROJECT: PROJECT: PROJECT: PROJECT NO:: CONTRACT OF SUITE E LEE'S SUMMIT, MO 6408 BIBIBOP STORE NO.: B0057 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	* PROFFISS	DESUTTER NUMBER E-26972
PROJECT: PROJECT: DIBIBOS DIBIBOS DIBIBOS DISTORE NO.: BOOST BIBIBOP STORE NO.: BOOST BIBIBOP STORE NO.: BOOST BIBIBOP STORE NO.: BOOST BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		Copyright ©
PROJECT: PROJECT: BIBIBOPSONE BIBIBOPSTORE NO.: BOOST BIBIBOP STORE NO.: BOOST BIBIBOP STORE NO.: BOOST BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		
PROJECT: EVALUATE AND REVISIONS PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		
PROJECT. <b>BIBIBOPSTORE NO.:</b> BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		
BIBIBOP STORE NO.: BODS7 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	PROJECT.	
BIBIBOP STORE NO.: BODS7 BIBIBOP STORE NO.: BODS7 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP		311
BIBIBOP STORE NO.: BOOS7 BIBIBOP STORE NO.: BOOS7 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		
<b>DIDUC</b> asian grill         STREETS OF         STREETS OF         WEST PRYOR         2050 NW LOWENSTEIN DE         SUITE E         LEE'S SUMMIT, MO 6408         BIBIBOP STORE NO.:         BIBIBOP STORE NO.:         BIBIBOP STORE NO.:         PROJECT NO.:         2021-01         DRAWN BY.:         MD         CHECKED BY.:         JP         ISSUES AND REVISIONS         PERMIT ISSUE       1.25.202		
ASIAN Grill STREETS OF WEST PRYOR 2050 NW LOWENSTEIN DI SUITE E LEE'S SUMMIT, MO 6408 BIBIBOP STORE NO.: B0057 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		
STREETS OF WEST PRYOR 2050 NW LOWENSTEIN DI SUITE E LEE'S SUMMIT, MO 6408 BIBIBOP STORE NO.: B0057 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	as	ian grill
2050 NW LOWENSTEIN DI SUITE E LEE'S SUMMIT, MO 6408 BIBIBOP STORE NO.: B0057 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	STF WE	REETS OF ST PRYOR
SUITE E <u>LEE'S SUMMIT, MO 6408</u> BIBIBOP STORE NO.: B0057 BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	2050 NW/	
LEE S SUIVIIVITI, IVIO 6408         BIBIBOP STORE NO.:         BIBIBOP STORE NO.:         BIBIBOP P.O.:         TBD         PROJECT NO.:         2021-01         DRAWN BY.:         MD         CHECKED BY.:         JP         ISSUES AND REVISIONS         PERMIT ISSUE         1.25.202		SUITE E
BIBIBOP P.O.: TBD PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202		ANALT NAC CACC
PROJECT NO.: 2021-01 DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	LEE'S SUN BIBIBOP S	<u>/MIT, MO 6408</u> TORE NO.: B0057
DRAWN BY.: MD CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	LEE'S SUN BIBIBOP S BIBIBO	/IMIT, MO 6408 TORE NO.: B0057 DP P.O.: TBD
CHECKED BY.: JP ISSUES AND REVISIONS PERMIT ISSUE 1.25.202	LEE'S SUN BIBIBOP S BIBIBO BIBIBO	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01
ISSUES AND REVISIONSPERMIT ISSUE1.25.202	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.:	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD
	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD       MD         .:       JF         DEVISIONS       DEVISIONS
	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         .:          MD         .:           JF         REVISIONS         JE       1.25.202
	LEE'S SUN BIBIBOP S' BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         .:          MD          .:          MD <t< td=""></t<>
	LEE'S SUN BIBIBOP S' BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         .:          MD         .:           JF         REVISIONS         JE       1.25.202
	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD       MD         .:       JF         REVISIONS       1.25.202
	LEE'S SUN BIBIBOP S' BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         .:           2021-01         MD           JF         REVISIONS       1.25.202
	LEE'S SUN BIBIBOP ST BIBIBOP ST BIBIBO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU SUES AND DRAWN BY.: CHECKED BY	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD       MD         .:       JF         REVISIONS       1.25.202
	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU DRAWN BY.: SHEET TITL	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD          .:       JF         REVISIONS       JE         JE       1.25.202         E:       DOCOT
SHEET TITLE: PARTIAL ROOF FRAMING PLAN &	LEE'S SUN BIBIBOP S' BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU SHEET TITL PARTIA FRAMIN	AMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD       MD         .:       JF         REVISIONS       1.25.202         JE       1.25.202         E:       L ROOF         JG PLAN &       K
SHEET TITLE: PARTIAL ROOF FRAMING PLAN & DETAILS	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU SUES AND PERMIT ISSU SHEET TITL PARTIA FRAMIN	AIMIT, MO 6408         TORE NO.:       B0057         DP P.O.:       TBD         .:       2021-01         MD         .:       JF         REVISIONS         JE       1.25.202         E:         L ROOF         JG PLAN &         S
SHEET TITLE: PARTIAL ROOF FRAMING PLAN & DETAILS	LEE'S SUN BIBIBOP S BIBIBO PROJECT NO DRAWN BY.: CHECKED BY ISSUES AND PERMIT ISSU SHEET TITL PARTIA FRAMIN DETAILS	AIMIT, MO 6408 TORE NO.: B0057 DP P.O.: TBD .: 2021-01 