



18933 Aldine Westfield Road, Houston, TX 77073  
 Phone: 281-443-9065 Fax: 281-443-9064

# PRINT TICKET

SALES ORDER #: 64450		CUSTOMER: TABERNACLE BAPTIST CHURCH	
SALES PERSON: LARRY BLACK		MAILING ADDRESS	
<input type="checkbox"/> APPROVAL <input checked="" type="checkbox"/> PERMIT <input checked="" type="checkbox"/> ANCHOR BOLT FOR CONSTRUCTION <input type="checkbox"/> FOR CONSTRUCTION <input type="checkbox"/> FOR CONFIRMATION <input type="checkbox"/> AS REQUESTED <input type="checkbox"/> NO STAMP		STREET: 257 EARL ICENHOUR LANE CITY: TAYLORSVILLE STATE: NC ZIP: 28681 ATT'N.: PASTOR WESLEY HAMMER TEL #: 828-308-4956	
<input checked="" type="checkbox"/> ENGINEER'S SEAL REQUIRED IN STATE OF NC		<input checked="" type="checkbox"/> PRIORITY MAIL <input type="checkbox"/> OVERNIGHT	
		<input type="checkbox"/> HAND CARRY <input type="checkbox"/> CUSTOMER PICK-UP	
		ENGINEER'S SEAL NOT REQUIRED	

COPIES	PAGE NUMBER	DESCRIPTION	REV.
2/2	F01 to F03	ANCHOR BOLT DRAWINGS	0
2	E01 to E14	ERECTION DRAWINGS	B
	-		
	-		
ONE	-	LETTER OF CERTIFICATION	
	-		
	-		
	-		

## REMARKS

1. 24X36 PAPER SIZE.
2. SEAL PERMIT SETS ONLY.

RELEASED BY: RCR  
 DATE: 1/20/2022





Innovation - New Technology - Better Products - Global Reach

18933 Aldine Westfield - Houston, Texas 77073

Phone: 281-443-9065 - Fax: 281-443-9064 - Toll Free: 888-467-4443

January 13, 2022

RIGID S.O. NO.: 64450  
CUSTOMER: Tabernacle Baptist Church  
ADDRESS: 257 Earl Icenhour Lane  
Taylorsville, NC 28681  
END-USER: Tabernacle Baptist Church  
JOBSITE: 7703 NC Hwy 90 East  
Stony Point, NC 28678  
COUNTY: Alexander  
BUILDING END-USE: Church

Gentlemen:

Rigid Global Buildings, LLC, an IAS accredited manufacturer of metal building systems under accreditation criteria AC472, certifies that the above structures were designed in accordance with the A.I.S.C. standards, *Specification for Structural Steel Buildings - Allowable Strength Design, ANSI/AISC 360-10 and Seismic Provisions for Structural Steel Buildings, ANSI/AISC 341-10*; the A.I.S.I. standard, *North American Specification for the Design of Cold-Formed Steel Structural Members, S100-12 Edition*; the A.W.S. D1.1-10 *Structural Welding Code-Steel* and A.W.S. D1.3-08 *Structural Welding Code - Sheet Steel*, and generally accepted engineering practices. Loads applied to design the building/s are no less than the requirements prescribed in the order document and the design satisfies the requirements of the **2018 North Carolina Building Code/2015 International Building Code**.

*(Refer to Building Description and Design Loads on succeeding pages)*

Accessories provided by others are to sustain the design wind load. Likewise, the customer is to ensure that the above loads comply with the requirements of local regulatory authorities. Open web joists, if used and supplied by RGB shall be from a Steel Joist Institute (SJI) approved manufacturer.

This Letter of Certification covers only the steel building and its components furnished and fabricated by Rigid Global Buildings, in its approved facility at Houston, Texas. It specifically excludes accessories, anchor bolts, foundation, masonry, or general contract work as well as erection certification.

Sincerely,

Professional Engineer



1/20/2022





Analysis Procedure Used : Equivalent Lateral Force Procedure

Rainfall Intensity (in/hr) : 6.170  
DESIGN and DETAIL REQUIREMENTS : UNBALANCED SNOW LOAD  
: DEFLECTION LIMIT:  
    Rafter - L/240 (LL), L/180 (DL+LL)  
    Purlins - L/240 (LL), L/180 (DL+LL)  
    Girts/Spandrel - L/240  
    Endwall Column - L/240  
    Lateral Drift - H/240  
: EAVE AND GABLE EXTENSION - 1'-6"  
: ROOF IS 24 Ga PLATINUM-16 WITH  
TRIPLE-LOK

## BUILDING DESCRIPTION

BUILDING	:	C (Connector)
FRAME TYPE	:	RF (Single Slope)
WIDTH	(ft)	: 60.5
LENGTH	(ft)	: 24.58
EAVE HEIGHT @ BACK SIDEWALL	(ft)	: 11.48
EAVE HEIGHT @ FRONT SIDEWALL	(ft)	: 14
ROOF SLOPE @ BACK SIDEWALL	:	: 0.5:12
ROOF SLOPE @ FRONT SIDEWALL	:	:
BAY SPACING FROM LEFT TO RIGHT (ft)	:	: 1 at 24.58

## DESIGN LOADS

DESIGN CODE	:	NCBC 10 (IBC 15)
DEAD LOAD (psf)	:	Metal building structure only by RGB
COLLATERAL LOAD (psf)	:	4 (For lights, ducting & suspended tile ceiling)
WIND LOAD		
Ultimate Design Wind Speed	:	Vult (3 sec. gust) = 115 mph
Nominal Design Wind Speed	:	Vasd (3 sec. gust) = 89.08 mph
Risk Category	:	II - Normal
Wind Exposure	:	B
Enclosure Classification	:	Closed
Internal Pressure Coefficient, GCPI	:	0.180 / -0.180
Design Wind Pressure For Wall	:	Based on Nominal Design Wind Speed
Components Wind Pressure (psf) asd	:	11.16
Components Wind Suction (psf) asd	:	-12.24
Claddings Wind Pressure (psf) asd	:	13.08
Claddings Wind Suction (psf) asd	:	-14.16
LIVE LOAD		
Primary Framing (psf)	:	20.00
Tributary Area Reduction	:	Yes
Secondary Framing (psf)	:	20.00
SNOW LOAD		
Ground Snow Load, Pg (psf)	:	15.000
Roof Snow Load, Pf (psf)	:	10.5
Sloped Roof Snow Load, Ps (psf)	:	10.5
Snow Exposure Factor, Ce	:	1.000
Snow Importance Factor, Is	:	1.000
Thermal Factor, Ct	:	1.000
Slope Factor, Cs	:	1.000
SEISMIC LOAD		
Seismic Importance Factor, Ia	:	1.00
Seismic Occupancy Category	:	II - Normal
Site Class	:	D
Mapped Spectral Response Acceleration	:	Ss=0.210           :Sl=0.093
Spectral Response Coefficient	:	Sds=0.224           :Sd1=0.149
Seismic Design Category	:	C
Basic Force Resisting Systems Used	:	Steel System Not Specifically Detailed For Seismic Resistance
	:	Rigid Frames
	:	Braced Frames
Total Design Base Shear, V (kips)	:	Longitudinal= 1.60   Transverse= 1.60
Response Modification Factors, R	:	Rigid Frames = 3.00
	:	SW X-Bracing = 3.00
	:	SW Wind Bent = 3.00
Seismic Response Coefficients, Cs	:	Rigid Frames = 0.075
	:	SW X-Bracing = 0.075
	:	SW Wind Bent = 0.075
Analysis Procedure Used	:	Equivalent Lateral Force Procedure

Continuation, Rigid S.O. No. 64450  
Rainfall Intensity (in/hr)

: 6.170

DESIGN and DETAIL REQUIREMENTS

: SLIDING SNOW LOAD  
: SNOW DRIFT LOAD  
: DEFLECTION LIMIT:  
    Rafter - L/240 (LL), L/180 (DL+LL)  
    Purlins - L/240 (LI), L/180 (DL+LL)  
    Girts/Spandrel - L/240  
    Lateral Drift - H/240  
: ROOF IS 24 Ga PLATINUM-16 WITH  
TRIPLE-LOK