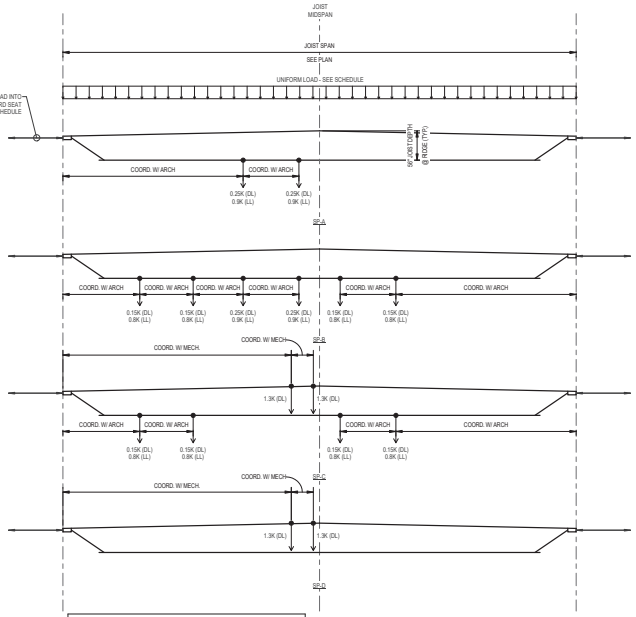
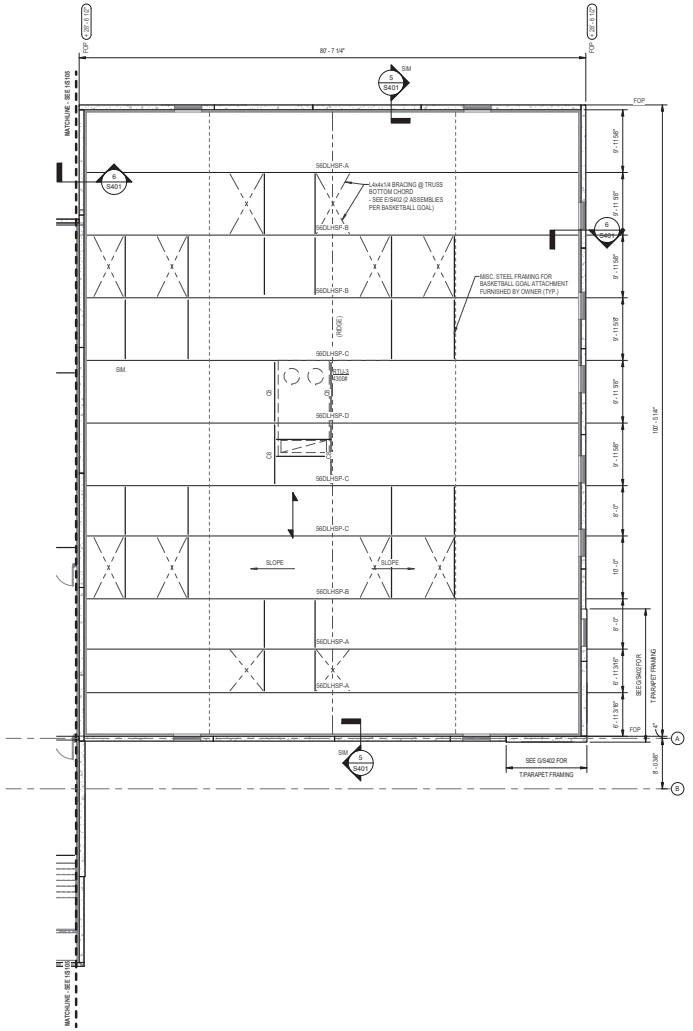


JOIST LOADING SCHEDULE				
LOAD CASE[1]	UNIFORM DOWN (PLF) (TOP CHORD)	UNIFORM DOWN (PLF) (BOTTOM CHORD)	UNIFORM UPLIFT (PLF) (TOP CHORD)	AXIAL (LB) (TOP CHORD)
DEAD (DL)	150	50	-	-
ROOF LIVE[2] (RLL)	120	-	-	-
WIND LOAD (WL)	520	-	610	±15,000
RAIN LOAD[2] (RL)	320	-	-	-

NOTE:
1. ALL GIVEN LOADS ARE UNFACTORED. NOMINAL LOADS (DL, Lr, S, W, E) = [1.0(DL, 1.0Lr, 1.0S, 1.0W, 1.0E]. LOADS ARE DERIVED FROM THE CURRENTLY ENFORCED BUILDING CODE AND REFERENCED DOCUMENTS THEREIN. REFERENCE GENERAL NOTES/DESIGN CRITERIA. IT IS THE JOIST MANUFACTURER'S/SUPPLIER'S RESPONSIBILITY TO DETERMINE AND APPLY THE APPROPRIATE LOAD COMBINATIONS AND/OR LOAD FACTORS TO THE LOADS GIVEN ABOVE.
2. AXIAL LOADS: JOISTS /JOIST SEATS SHALL BE DESIGNED FOR AXIAL LOAD APPLIED THROUGH WELD AT JOIST-SEAT-TO-BEARING INTERFACE. WHERE AXIAL LOAD SPECIFIED, THE JOIST/JOIST SEAR SHALL BE DESIGNED TO RESIST THE GIVEN AXIAL LOAD, APPLIED IN EITHER DIRECTION (TENSION AND/OR COMPRESSION), IN COMBINATION WITH THE APPLIED GRAVITY AND/OR UPLIFT LOADS. AXIAL LOAD IN JOIST TOP CHORDS WILL BE DEVELOPED INTO DECK ALONG JOIST, U.N.O.
3. IF ADDITIONAL BRIDDING AND/OR BRIDGING OTHER THAN WHAT IS SHOWN ON THE STRUCTURAL DRAWINGS IS REQUIRED, IT IS THE JOIST MANUFACTURER/SUPPLIER'S RESPONSIBILITY TO DESIGN AND SUPPLY THE REQUIRED BRIDGING AND ACCESSORIES, AND SHALL BE SHOWN ON SHOP DWGS.
4. LOADS LISTED IN JOIST LOADING SCHEDULE SHALL BE APPLIED CONCURRENTLY WITH CONCENTRATED LOADS SHOWN ON LOADING DIAGRAMS FOR EACH APPLICABLE LOAD COMBINATION.
5. ROOF LIVE LOAD HAS BEEN REDUCED PER ASCE7-16. NO FURTHER REDUCTIONS TO NOMINAL ROOF LIVE LOAD PERMITTED.
6. RAIN LOAD TO HAVE TRIANGULAR DISTRIBUTION ON JOIST, TERMINATING 25 FT FROM EACH SUPPORT.

A S106 DLH JOIST LOADING INFO
1/8" = 1'-0"



1 S106 PARTIAL ROOF FRAMING PLAN - EAST
1/8" = 1'-0"

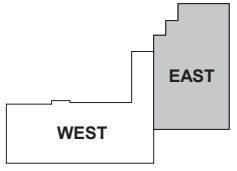
LEGEND

77'-7" T/STEEL ELEVATION - SEE PLAN

C8 C8x11.5

GYM ROOF FRAMING PLAN NOTES

1. SEE PLAN FOR T/STEEL ELEVATIONS. REFERENCE ELEVATION (+0'-0") IS SET AT LEVEL 1 FFE - SEE CIVIL DRAWINGS.
2. TYPICAL ROOF DECKING IS 3" TYPE N 19 GAGE PAINTED ROOF DECK. → INDICATES DECK SPAN DIRECTION. SEE NOTES ON SHEET S001 FOR DECK ATTACHMENT.
3. SEE SHEET S001 FOR GENERAL NOTES.
4. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND DRAWINGS OF OTHER DISCIPLINES FOR LOCATIONS AND DIMENSIONS OF OPENINGS, DEPRESSIONS, AND OTHER NON-STRUCTURAL ITEMS. SEE DETAIL B / S402 FOR TYPICAL FRAMING AT ROOF OPENINGS.
5. PROVIDE EMBED IN TILTWALL PANEL PER EMBED SCHEDULE - REFER TO DETAIL G / S502.
6. PROVIDE BEAM POCKET IN TILT WALL PANEL - REFER TO DETAIL F / S402.
7. DIAGONAL JOIST BRIDGING LOCATIONS ARE INDICATED BY – – – – – – PROVIDE L2x2x1/8 BOLTED DIAGONAL BRIDGING @ LOCATIONS INDICATED ON PLAN. JOIST MANUFACTURER TO PROVIDE UPLIFT BRIDGING AS REQUIRED. REFER TO JOIST NOTES ON S001 FOR ADDITIONAL INFORMATION.
8. DLH TRUSSES TO HAVE A DOUBLE-PITCHED TOP CHORD - REFER TO ARCH FOR ADDITIONAL JOIST PROFILE INFORMATION.



KEY PLAN

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/7/22

TREASURE COAST CLASSICAL ACADEMY

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SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
	10.07.2022	PDMT SUBMITTAL	

PRINCIPAL IN CHARGE: MAH
PROJECT ARCHITECT: MAH
DRAWN BY: JWT

SHEET TITLE:
PARTIAL ROOF FRAMING PLAN - EAST

SHEET NO. S106
PROJ. NO. 022004

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