

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents reference	ed within this form are available	on the DSA For	ns or DSA Publicat	<u>ions</u> webpages.					
1. SUBMITTAL TYPE:	(Is this a resubmittal? Yes□	No □)							
Deferred Submittal □	Addendum Number:	Revision	Number:	CCD Num	ıber:	Category A □ or B □			
2. PROJECT INFORM	ATION:								
School District/Owner:					DSA File Nur	nber:			
Project Name/School:					DSA Applicat	ion Number:			
3. APPLICANT INFOR	MATION:								
Date Submitted:		,	Attached Pages? N	o □ Yes □ Numb	er of pages?				
Firm Name:		(Contact Name:						
Work Email:		\	Nork Phone:						
Firm Address:		(City:		State:	Zip Code:			
4. REASON FOR SUB	MITTAL: (Check applicable b	oxes)							
☐ For revision or adden	dum prior to construction.			☐ For a p	roject current	ly under construction.			
☐ For a project that has a 90-Day Letter issue		n of Requirement	for Certification, DS	SA 301-P: Posted	Notification of	Requirement for Certification or			
☐ To obtain DSA appro	val of an existing uncertified bu	ilding or buildings							
☐ For Category B CCD	this is: □ a voluntary submittal,	☐ a DSA require	d submittal (attach	DSA notice requi	ring submissio	n).			
5. DESIGN PROFESSI	ONAL IN GENERAL RESPON	ISIBLE CHARGE	:						
Name of the Design Pro	fessional In General Responsib	ole Charge:			P				
Professional License Nu	ımber:		Discipline:						
	Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project. Signature: DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE								
6. CONFIRMATION, D	ESCRIPTION AND LISTING O	F DOCUMENTS:							
For addenda, revisions, or CCDs: CHECK THIS BOX \square to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form <i>DSA 1: Application for Approval of Plans and Specifications</i> for this project. (For <i>Deferred Submittals</i> , refer to <i>IR A-18: Use of Construction Documents Prepared by Other Professionals</i> , and <i>IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents</i> , when applicable, for signature and seal requirements.)									
Provide a brief description	on of construction scope for this	s post-approval de	ocument (attach ad	ditional sheets if r	needed):				
List of DSA-approved drawings affected by this post-approval document:									
		DSA	A USE ONLY	Returned		DSA STAMP			
SSSD Comments:	ate □Approved □]Disapproved □No	,			207.0.7.4			
	ate □Approved □	□Disapproved □No	t Required						
ACSD Comments:	ate □Approved □]Disapproved □No	t Required						

ADDENDUM 01

May 22, 2025

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents, specifications, and bid date/time shall remain in effect as originally issued.

DRAWINGS

- Item #1. REVISION Sheet Index TS-2-N
 - a. Revised Sheet TS-2-N to include additional sheets in sheet index for parapet design at overhang.
- Item #2. <u>ADDITION Typical Roof Plan A2.4-N</u>
 - a. Added Sheet A2.4-N to show parapet at overhang on roof plan.
- Item #3. <u>REVISION Typical Exterior Elevations A5.4-N</u>
 - a. Added Sheet AD-603 to show parapet at overhang on exterior elevations.
- Item #4. <u>ADDITION Parapet Framing Elevations & Details \$4.4-N</u>
 - a. Added Sheet S4.4-N to include parapet at overhang framing elevations and details.

Attachments:

Addition/Revision Drawings: TS-2-N, A2.4-N, A5.4-N, S4.4-N Supporting Documents: Structural Calculations (Parapet Design)





LAKESIDE USD TIERRA DEL SOL MS (1) 48' x 40' BUILDING



PLUMBING

FIRE SPRINKLERS

RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE SCHEDULE

OPTIONAL FIRE SPRINKLER TYP. NOTES & DETAILS

OPTIONAL FIRE SPRINKLER TYPICAL PLANS

PLUMBING DETAILS & ACCESSIBLE DETAILS

SHEET NUMBER | SHEET TITLE

SHEET NUMBER



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ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION T MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATIO IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)



LAKESIDE UNION SCHOOL DISTRICT TIERRA DEL SOL MS (1) 48 X 40 BUILDING

MANUFACTURER PROFESSIONAL

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

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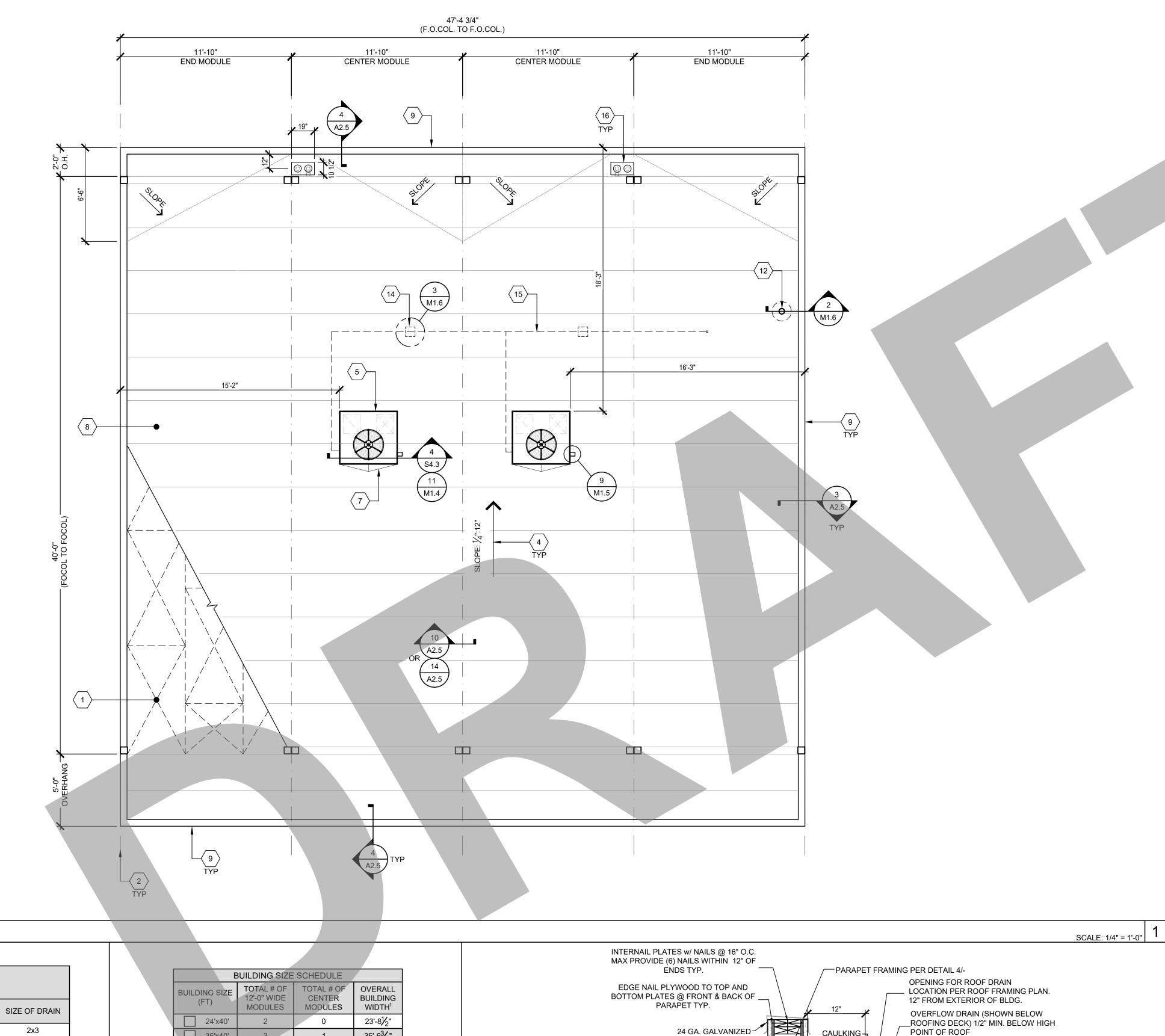
TOTAL

SHEETS

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	⊠ TS-2-N	SHEET INDEX	INTERIC	OR ELEVATIONS	⊠ A4.1-N	INTERIOR ELEVATIONS - RESTROOM OPTIONS			TYPICAL MECHANICAL PLAN OPTIONS			
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		GENERAL NOTES & SPECIFICATIONS			☐ A5.2	TYPICAL EXTERIOR ELEVATIONS - STUCCO OPTION		☐ M1.3	RESTROOM REFLECTED CEILING PLANS & OPTIONS			
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&	⊠ N3.0-N	TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES	LS LS		☐ A5.3A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT STUCCO OPTION			MECHANICAL & CEILING DETAILS			
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	□ N5.1	MULTIPLE FLOOR PLAN CONFIGURATIONS			⊠ A5.5			M1.6A	MECHANICAL ROOF DETAILS			
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	☐ EN.4-EN.5	ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP B	□ - <		A5.0		ELECTRICAL					
	☐ EN.6-EN.7	ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP C			☐ A5.7		OPTIONS	SHEET NUMBER	SHEET TITLE			
	☐ EN.8-EN.9	ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP D			A 5 7 A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT.	FLOOR PLANS & DETAILS	⊠ E1.0-N	TYPICAL ELECTRICAL PLAN			
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	☐ EN.12-EN.13	ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP B		MISCELLANEOUS DETAILS	☐ A7.0	ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS		□ E1.2	ELECTRICAL NOTES & DETAILS			
	☐ EN.14-EN.15	ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP C	MISCELLA		⊠ A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS		L I.Z	ELECTRICAL NOTES & BETALES			
	☐ EN.16-EN.17	ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP D			⊠ A7.3	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS						
	☐ EN.18-EN.19	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP A			☐ A8.0	1-HR FIRE RATED CONSTRUCTION DETAILS						
	☐ EN.20-EN.21	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP B			ST	RUCTURAL						
	⊠ EN.22-EN.23	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP C		DTIONS	SHEET NUMBER SHEET TITLE		1					
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EN 62-EN 63 ENERGY CALCULATIONS - 108/40' BUILDING - GROUP D EN 64-EN 65 ENERGY CALCULATIONS - 108/40' BUILDING - GROUP D EN 66-EN 67 ENERGY CALCULATIONS - 108/40' BUILDING - GROUP A EN 66-EN 67 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP A EN 70-EN 71 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP B EN 70-EN 71 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP B EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP C EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP D EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP D EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP D EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP D EN 72-EN 73 ENERGY CALCULATIONS - 120/40' BUILDING - GROUP D EN 72-EN 73 ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS EN 74-EN 76 ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS A 1.0-N TYPICAL FLOOR PLAN W SOLATUBE OPTION A 1.1 TYPICAL FLOOR PLAN W SOLATUBE OPTION A 1.2-N RESTROOM FLOOR PLAN W SOLATUBE OPTION A 1.3 RESTROOM FLOOR PLAN W SOLATUBE OPTIONS - AGE RANGE: 13-ADULT A 1.4 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 58 A 2.0 TYPICAL ROOP PLAN - METAL STANDING SEAM (WITH PARAPETS) A 2.0				EN.58-EN.59	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP A	MIN	<u>`</u> `} \		00.4	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR
EN.66-EN.67 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP A EN.68-EN.69 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP B EN.70-EN.71 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP C EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D S4.1 ROOF FRAMING PLAN & DETAILS - ROOF SHEATHING OPTION S4.2 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.3 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.4 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.5 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.5 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.6 ROOF FRAMING DETAILS -				EN.60-EN.61	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP B		TE		S3.1	w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.)
EN.66-EN.67 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP A EN.68-EN.69 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP B EN.70-EN.71 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP C EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D EN.72-EN.73 ENERGY CALCULATIONS - 120°x40° BUILDING - GROUP D S4.1 ROOF FRAMING PLAN & DETAILS - ROOF SHEATHING OPTION S4.2 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.3 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.4 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.5 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.5 ROOF FRAMING DETAILS - ROOF SHEATHING OPTION S4.6 ROOF FRAMING DETAILS -				EN.62-EN.63	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP C	OR	ICRE			ELOOD EDAMINO DI ANI & DETAIL O FOD CONODETE ELOOD
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EN.70-EN.71 ENERGY CALCULATIONS - 120% O BUILDING - GROUP C				EN.66-EN.67	ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP A				211	
FLOOR PLANS SH.72-EN.73 ENERGY CALCULATIONS - 120x40' BUILDING - GROUP D				EN.68-EN.69	ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP B					
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A1.3 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8 A1.4 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8 A1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4 A1.5 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4 A2.0 TYPICAL ROOF PLAN - METAL STANDING SEAM (WITHOUT PARAPETS) A2.1 TYPICAL ROOF PLAN - METAL STANDING SEAM (WITH PARAPETS) A2.2 TYPICAL ROOF DETAILS - METAL STANDING SEAM (WITHOUT PARAPETS) A2.3 TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (MITHOUT PARAPETS) A2.3 TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (MITHOUT PARAPETS)	FLOO	R PLANS				ELEVATIO	NS & DETAILS			
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Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	I						N S I		S8.1	WALL FRAMING DETAILS - WOOD STUDS
☐ A2.2 TYPICAL ROOF DETAILS - METAL STANDING SEAM ☐ S9.2 TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES YOUR A2.3 TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP A2.3 (WITHOUT PARAPETS)		D N F		A2.0					S9 0	
☐ A2.2 TYPICAL ROOF DETAILS - METAL STANDING SEAM ☐ S9.2 TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES YOUR A2.3 TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP A2.3 (WITHOUT PARAPETS)	AILS	ETA ANDI SEAN		A2.1		TIVAMINO	'AL IDS	<u> </u>		
Y S9.2 TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP A2.3 (WITHOUT PARAPETS)	DET/	M STA			,		MET			
A C A2.3 AMITHOUT PARAPETES	∞ _			A2.2					S9.2	TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES
BOY SINGLE-PLY OR BUILT-UP (WITH PARAPETS) □ A2.4-N TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITH PARAPETS) □ A2.5 TYPICAL ROOF DETAILS - SINGLE-PLY OR BUILT-UP ROOFING	PLA!	OR		A2.3						
∑	<u>ш</u> І	3LE-PLY JUILT-UF		A2.4-N						
		SING B	\boxtimes	A2.5	TYPICAL ROOF DETAILS - SINGLE-PLY OR BUILT-UP ROOFING					



35'-6³/₄"

47'-5"

59'-3<mark>1⁄</mark>4"

71'-1<mark>/</mark>2"

82'-11³⁄₄"

94'-10"

106'-81/4"

118'-61/2"

2

3

Xref ..\PC22 Typical Drawings\000 - master - BUILDING SIZE SCHEDULE TABLE.dwg

BUILDING SIZE SCHEDULE

36'x40'

48'x40'

72'x40'

96'x40'

108'x40'

120'x40'

60'x40'

CAULKING 1

EXTERIOR FINISH :

PER ELEVATIONS

SINGLE PLY MEMBRANE

MIN. SLOPE

SINGLE PLY BONDING ADHESIVE (FOR

ADHERED SPECIFICATIONS ONLY) 1/4"

CONT. VAPOR BARRIER

PER SHEET M1.7

ROOF SHEATHING

ROOF BEAM

RIGID ROOF INSULATION

CAP FLASHING

#12x2-3/4" MIN. SDSTS:

OVERHANG DETAIL @ REAR OVERHANG

* OVERFLOW TO EXTEND DOWN

PAST SOFFIT 6" ONLY

@ 12" O.C. STAGGERED WHERE PARAPET

HEIGHT IS LESS THAN OR EQUAL TO 12",

@ 8" O.C. STAGGERED WHERE PARAPET

OR EQUAL TO 18", @ 6" O.C. STAGGERED WHERE PARAPET HEIGHT IS GREATER THAN

GREATER THAN 30" BUT LESS THAN OR

EQUAL TO 34" MAX PARAPET HEIGHT.

18" BUT LESS THAN OR EQUAL TO 24", @ 4"

O.C. STAGGERED WHERE PARAPET HEIGHT IS

GREATER THAN 24" BUT LESS THAN 30", @ 3"

O.C. STAGGERED WHERE PARAPET HEIGHT IS

HEIGHT IS GREATER THAN 12" BUT LESS THAN

EXTERIOR FINISH -

PER ELEVATIONS

Z-FLASHING-

TYPICAL ROOF PLAN

(NOM.)

24'x40'

36'x40'

48'x40'

60'x40'

72'x40'

84'x40'

96'x40'

108'x40'

120'x40'

ROOF AREA DRAINS

ROOF DRAIN SCHEDULE

ROOF AREA

960

1440

1920

2400

2880

3360

3840

4320

4800

MINIMUM NO. OF

DRAINS

2x3

2x3

2x3

2x3

2x3

2x3

2x3

2x3

ROOF SHEATHING PER SHEET S4.1

TYPICAL MOD LINE

3 NOT USED

4 TYPICAL ROOF SLOPE

ROOF MOUNTED HVAC PER M1.7

NOT USED

CRICKET HVAC PER 12/A2.5

SINGLE-PLY ROOFING PER SHEET A2.5

9 PARAPET PER SHEET S4.4

(10) NOT USED

(11) NOT USED

12 PIPE VENT PER PLUMBING PLANS & 2/M1.6

(13) NOT USED

14 ROOF-TOP PIPE SUPPORT BLOCK PER DETAIL 3/M1.6

(15) CONDENSATE LINE PER DETAIL 9/M1.5

COMBINATION ROOF AND OVERFLOW DRAIN - SEE DETAIL 2/

KEY NOTES

- SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL LOCATIONS MAY VARY - (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 15/M1.6
- OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE BUILDING(S):
 - MONO-SLOPE: REAR END WALLS ONLY. DUAL-PITCH: BOTH FRONT & REAR END WALLS:
- ROOF-SHEATHING PER SHEET S4.1 IS REQUIRED FOR SINGLE-PLY OR BUILT-UP ROOFING ON EITHER MONO-SLOPE OR DUAL-PITCH SLOPED BUILDING(S).

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24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)



SITE SPECIFIC PROJECT NAME

PRE-CHECKED SET NAME

LAKESIDE UNION SCHOOL DISTRICT TIERRA DEL SOL MS (1) 48 X 40 BUILDING

SHEET NOTES

SOLAR ZONE REQUIRED, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.

- 1. REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.
- 2. ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.
- 3. TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.
- 4. SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.
- 5. THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS SPECIFIED ON SHEET TS, WHICH DOES INCLUDE ADDITIONAL LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE.
- 6. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE.
- 7. A STRUCTURAL ENGINEER OF RECORD SHOULD BE CONSULTED PRIOR TO ANY FUTURE SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING
- 8. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

	REQUIRED SOLAR-READY ZONE								
BUILDING SIZE (NOM.)		MAX. ROOF AREA (SQ. FT.)	REQ'D ZONE AREA (SQ. FT.)	*CLIMATE ZONE GROUP(S)					
	24'x40' 960		0	N/A					
36'x40'		1440	0	N/A					
48'x40'		1920	288	D					
60'x40'		2400	360	D					
	72'x40'	2880	432	D					
	84'x40'	3360	504	A, B & D					
	96'x40'	3840	576	A & D					
	108'x40'	4320	648	D					
	120'x40'	4800	720	D					

GROUP A: CLIMATE ZONES 1, 16 GROUP B: CLIMATE ZONES 2 - 5 GROUP C: CLIMATE ZONES 6 - 13 **GROUP D: CLIMATE ZONES 14. 15**

STRUCTURE.

SOLAR-READY ZONE REQUIREMENTS

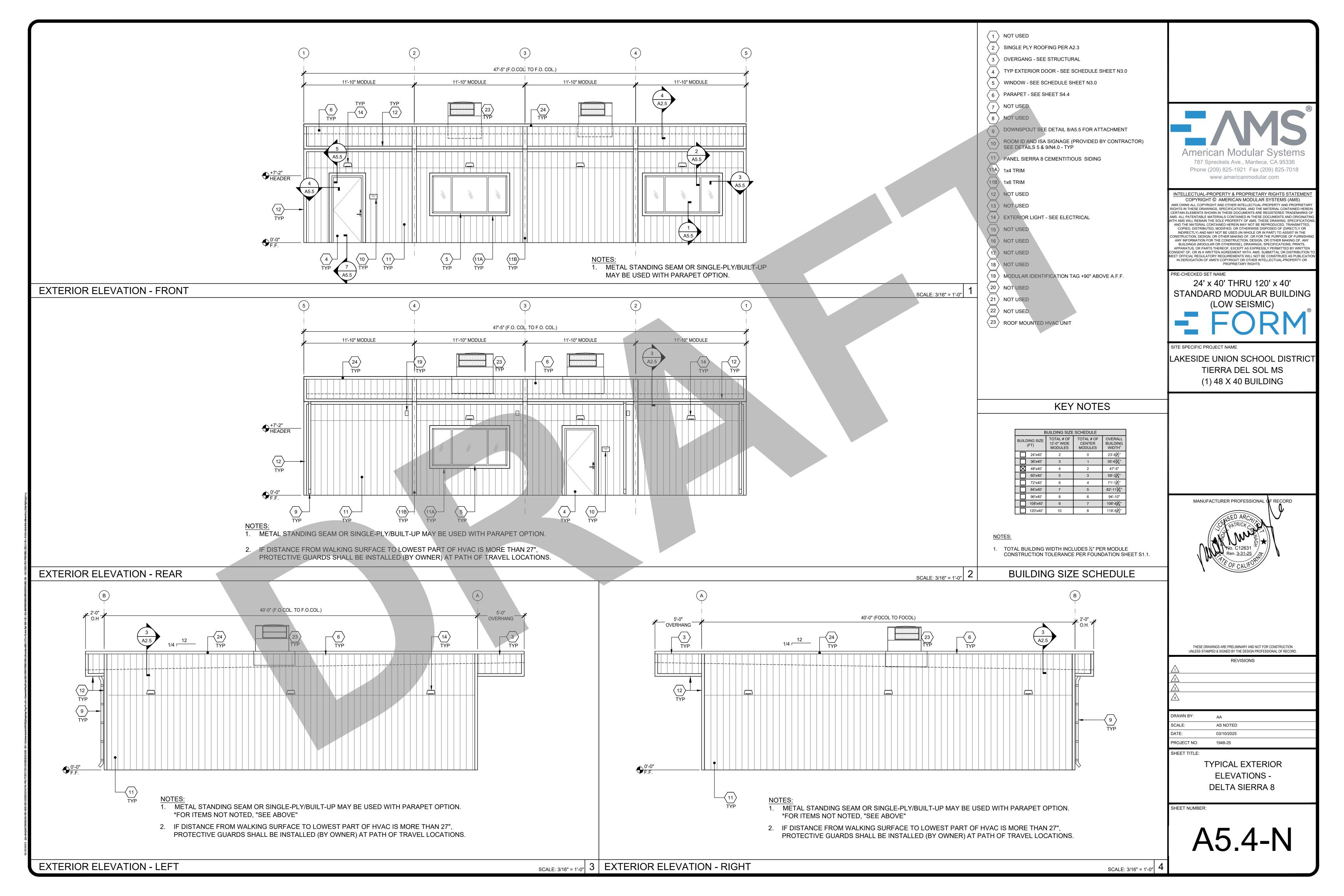
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD

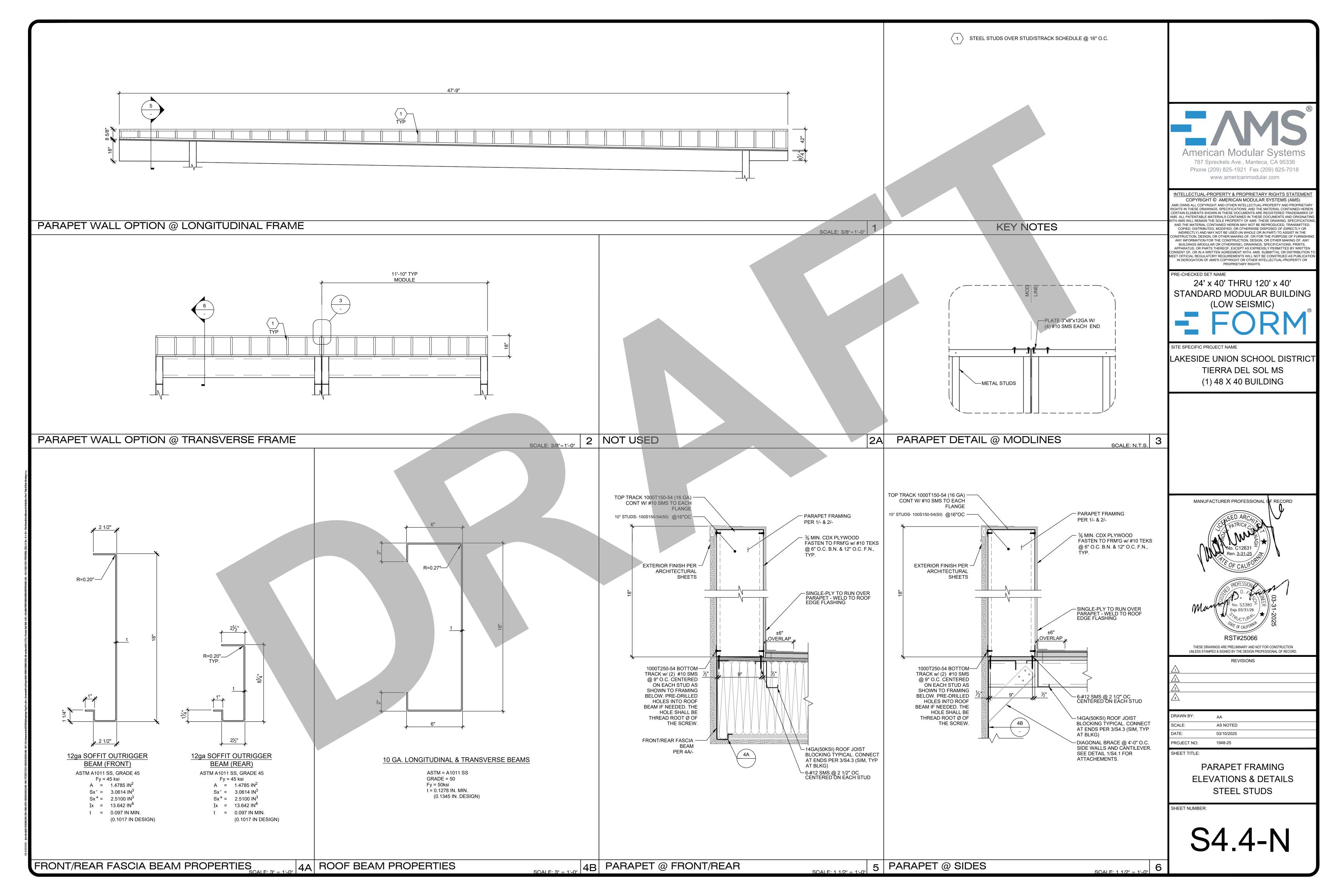
MANUFACTURER PROFESSIONAL

REVISIONS DRAWN BY: AS NOTED 03/10/2025 PROJECT NO: 1948-25

TYPICAL ROOF PLAN SINGLE-PLY OR BUILT-UP (WITH PARAPETS)

SHEET NUMBER:







7' SOFFIT	I _{EX}	ФV _{NY}	φM _{NXO}	φM _{NXNO}			
OUTRIGGER BM	IN4	K	K-N	K-IN			
	11.90	15.70	102.01	132.92			
V							

$$\Phi V_{nx} := 15.70$$

 in^4

$$\Phi M_{nxo} := 102.01$$

$$\Phi M_{nxno} := 132.92$$

$$L_b := 7.00$$

$$E := 29000$$

$$Trib := \frac{L}{2} = 5.9$$

ft

$$W_{DL} := w_{RDL \ oh} \cdot Trib$$

$$W_{LL} := w_{RLL} \cdot Trib$$

$$W_{WL} := P_{RD} \cdot Trib$$

$$W_{DL} = 124$$

plf

plf

$$W_{LL} = 118$$

$$W_{WL} = 95$$

$$W_U \! := \left(1.2 \bullet W_{DL} + 1.6 \bullet W_{LL} + 0.5 \bullet W_{WL}\right)$$

p. 03/31/26

$$W_U = 386$$

$$V_u := \frac{W_U \cdot L_b}{1000}$$

$$V_u = 2.70$$

$$\Phi V_{nx} = 15.70$$

<u> OK</u>

$$M_u \coloneqq \frac{12 \cdot W_U \cdot L_b^2}{2 \cdot 1000}$$

$$M_u = 113.38$$

$$\Phi M_{nxno} = 132.92$$

 $W_{PD} := 15 \cdot 1.5$ Additional Parapet Wgt.

$$W_U \coloneqq \left(1.2 \cdot \left(W_{DL} + W_{PD}\right) + 1.6 \cdot W_{LL} + 0.5 \cdot W_{WL}\right)$$

$$M_u \coloneqq \frac{12 \cdot W_U \cdot L_b^2}{2 \cdot 1000} + \frac{12 \cdot W_{PD} \cdot Trib \cdot L_b}{1000}$$

$$M_u = 132.5$$

 $\Phi M_{nxno} = 132.92$

K-in

$$\delta_{LL} \coloneqq \frac{W_{LL} \cdot (L_b)^4 \cdot 1728}{8 \cdot E \cdot I_{ex} \cdot 1000}$$

$$\delta_{LL} = 0.18$$

$$\frac{L \cdot 12}{\delta_{LL}} = 799$$

$$\delta_{TL} \coloneqq \frac{\left(W_{DL} + W_{LL}\right) \cdot L_b^{4} \cdot 1728}{8 \cdot E \cdot I_{ex} \cdot 1000}$$

$$\delta_{TL} = 0.364$$

$$\frac{L \cdot 12}{\delta_{TL}} = 390$$