

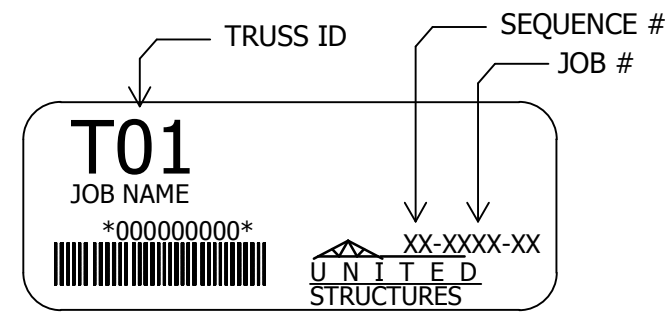
# BEACH SIDE ELEMENTARY - NEW CAFETERIA SUNNY BEACH COUNTY PUBLIC SCHOOLS

1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

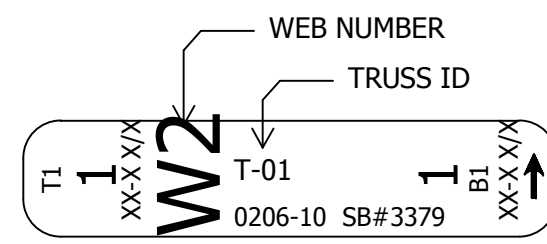
## GENERAL NOTES

### PRODUCT IDENTIFICATION

- TRUSSES ARE TAGGED ON THE BOTTOM CHORD AND ON THE SAME END AS INDICATED BY PIECE MARKS (⊠) ON THE TRUSS LAYOUT PLANS. A TYPICAL TRUSS TAG IS SHOWN BELOW.



- ALL TRUSS WEBS ARE TAGGED. A TYPICAL WEB TAG IS SHOWN BELOW. PLEASE NOTE WEB NUMBER TO AID WITH INSTALLATION OF WEB BRACING.



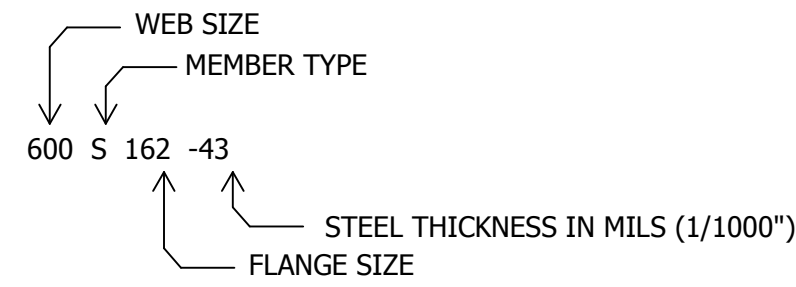
### MATERIAL

- ALL NON-PROPRIETARY COLD-FORMED STEEL PLATES, CLIP ANGLES, BENT PLATES STRAPS, ETC. SHALL HAVE MINIMUM THICKNESSES INDICATED BELOW WITH REGARD TO THEIR GAGE:

20 GAGE = 0.033"	14 GAGE = 0.068"
18 GAGE = 0.043"	12 GAGE = 0.097"
16 GAGE = 0.054"	

- UNLESS NOTED OTHERWISE, ALL MATERIAL 18 GAGE AND LIGHTER SHALL BE MINIMUM FY=33KSI. ALL MATERIAL 16 GAGE AND HEAVIER SHALL BE MINIMUM FY=50KSI.

- STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) STANDARDS ARE USED IN THIS PACKAGE. SEE BELOW FOR PRODUCT IDENTIFICATION AND NOMENCLATURE. ALL MATERIAL TO HAVE A MINIMUM OF 660 COATING.



WEB SIZE: 362 = 3-5/8"	FLANGE: S162 = 1-5/8" STUD FLANGE
600 = 6"	S200 = 2" STUD FLANGE
800 = 8"	T125 = 1-1/4" TRACK LEG
1000 = 10"	T200 = 2" TRACK LEG

THE LAST TWO NUMBERS INDICATE STEEL GAGE:

33 = 0.033"	20 GAGE	68 = 0.068"	14 GAGE
43 = 0.043"	18 GAGE	97 = 0.097"	12 GAGE
54 = 0.054"	16 GAGE		

### GENERAL

- UNITED STRUCTURES DOES NOT ASSUME ANY RESPONSIBILITY FOR THE ADEQUACY OF THE PRIMARY STRUCTURE DESIGN.
- ALL CONNECTIONS SHALL BE COMPLETE AS PER THE PLANS AND SPECIFICATIONS AT THE TIME OF INSTALLATION. FAILURE TO PROMPTLY COMPLETE CONNECTIONS MAY COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING.
- PRECAUTIONS MUST BE TAKEN TO AVOID CONSTRUCTION LOADS EXCEEDING DESIGN LIVE LOADS. ADDITIONAL CONSTRUCTION LOADS HAVE NOT BEEN CONSIDERED IN THE DESIGN.
- CHECK QUANTITIES OF TRUSSES AND MATERIAL UPON DELIVERY. NOTE ANY DISCREPANCIES ON THE DELIVERY TICKET AND IMMEDIATELY INFORM UNITED STRUCTURES.

### SUBMITTAL

- SUBMITTAL PROCESS IS AS FOLLOWS: UNITED STRUCTURES SHALL SUBMIT THIS DRAWING PACKAGE FOR APPROVAL. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SUBMISSION TO THE RELEVANT PARTY PER HIS/HER CONTRACT REQUIREMENTS. UPON RETURNED SUBMITTAL FROM ALL RELEVANT PARTIES, THE GENERAL CONTRACTOR SHALL FORWARD A COPY OF THIS DRAWING PACKAGE WITH COMMENTS AND APPROVALS TO UNITED STRUCTURES. UNITED STRUCTURES WILL MAKE CHANGES AND RE-SUBMIT DRAWINGS FOR APPROVAL IF REQUIRED.
- THE MATERIALS SHOWN IN THIS SUBMITTAL WILL BE FABRICATED AS DETAILED. ANY CLOUDED ITEMS OR DIMENSIONS THAT ARE NOT NOTED TO BE CHANGED ON APPROVED OR REVIEWED SUBMITTALS ARE CONSIDERED TO BE VERIFIED AS ACCEPTABLE AND COORDINATED WITH OTHER TRADES.

### TRUSSES

- ALL TRUSSES SUPPLIED BY UNITED STRUCTURES CONFORM TO THE NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - TRUSS DESIGN (AISI S214-07)
- INSTALLATION OF TRUSSES SHALL BE MADE ONLY FROM DRAWINGS MARKED "FIELD-USE" THE TRUSS PLACEMENT PLAN SHALL BE USED ONLY FOR INSTALLATION OF TRUSSES PROVIDED BY UNITED STRUCTURES.
- ROOF TRUSS PLACEMENT MAY DIFFER FROM THE ARCHITECTURAL/STRUCTURAL DRAWINGS. PLEASE VERIFY LAYOUT.
- NO CUTTING, DRILLING, SPLICING, OR FIELD ALTERATIONS OF TRUSSES IS PERMITTED WITHOUT PRIOR APPROVAL OF UNITED STRUCTURES, INCLUDING ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER. (AISI S214-07/S2-08, SECTION B5.6)
- THE ADDITION OF ANY LOADS NOT SPECIFICALLY REFERENCED ON UNITED STRUCTURES' "FIELD-USE" DRAWINGS, SUCH AS, HVAC EQUIPMENT, PIPING, ADDITIONAL ROOFING, OR INSULATION, SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL FROM UNITED STRUCTURES. SHOULD ADDITIONAL LOADS BE REQUIRED TO BE DESIGNED FOR, PLEASE INDICATE LOADS ON "APPROVAL LAYOUT" DRAWINGS.
- TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, STORING, INSTALLING, AND BRACING. REFER TO THE COLD-FORMED STEEL BUILDING COMPONENT SAFETY INFORMATION (CFBSCSI) BOOKLET FROM THE STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA) FOR GENERAL GUIDANCE IN SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.
- UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION LOADS OF ANY DESCRIPTION BE PLACED ON UNBRACED AND/OR UNRESTRAINED TRUSSES AS SERIOUS INJURY COULD RESULT.
- TRUSSES ARE MANUFACTURED WITH NO CAMBER.

### CONNECTIONS

- ALL WELDED CONNECTIONS OF MATERIALS LESS THAN 3/16" THICKNESS SHALL BE PERFORMED IN ACCORDANCE WITH THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS (AISI S100-2007). ALL OTHER WELDED CONNECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF AWS D1.3-08 SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES. CONSULT AWS D19.0 WELDING ZINC COATED STEEL AND ANSI STANDARD Z49.1 FOR INFORMATION REGARDING SAFE WELDING PROCEDURES.
- MINIMUM WELD THROAT THICKNESS (T) MUST MATCH OR EXCEED THE BASE STEEL THICKNESS OF THE THINNEST CONNECTED PART UNLESS NOTED OTHERWISE.
- ALL WELDED AREAS MUST HAVE A ZINC-RICH PAINT APPLIED TO PROVIDE CORROSION RESISTANCE ON THE STEEL FRAMING WHERE THE GALVANIZED COATING WILL BE BURNED OFF.
- FOR SCREWS AND POWDER DRIVEN FASTENERS (PAF'S), MINIMUM CLEARANCE SHALL BE MAINTAINED FROM ALL EDGES OF THE STEEL MEMBERS IN ACCORDANCE WITH AISI STANDARDS AND MANUFACTURER REQUIREMENTS UNLESS NOTED OTHERWISE.

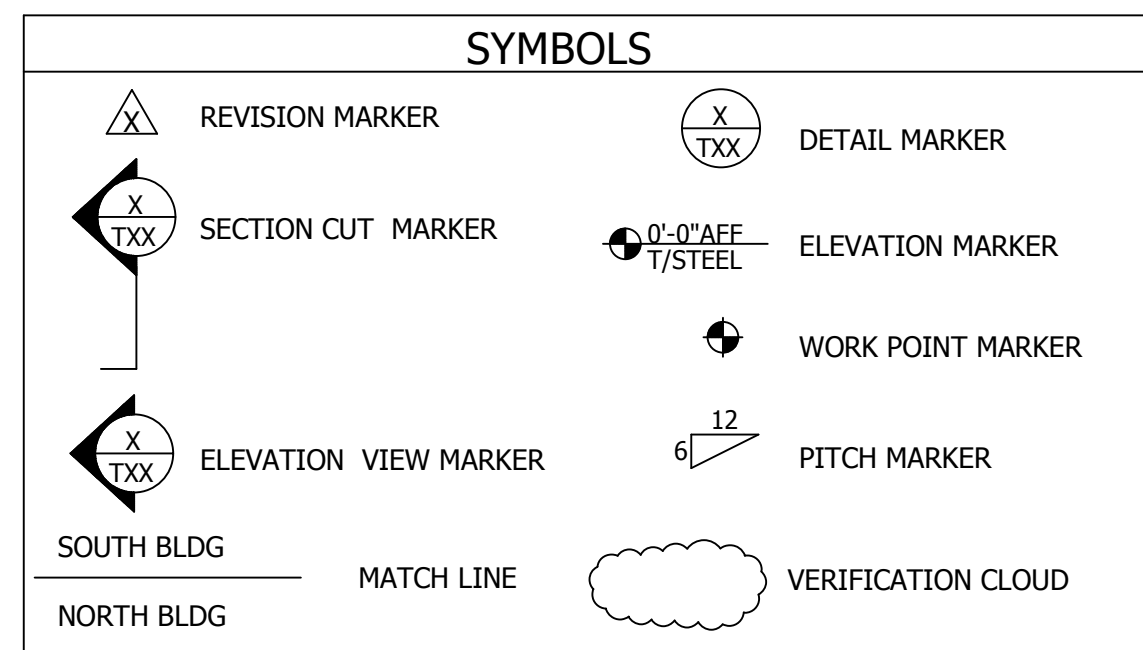
- PAF POINT MUST PENETRATE THROUGH FULL BASE STEEL THICKNESS UP TO 1/2" THICK. FOR THICKER STEEL 1/2" PAF PENETRATION IS REQUIRED.
- ALL CONNECTIONS TO CONCRETE AND WOOD MUST FOLLOW DETAILED INSTRUCTIONS INCLUDING TYPES OF FASTENERS/ANCHORS, SPACING, AND EDGE DISTANCES.
- PAF'S MUST BE FULLY EMBEDDED INTO CONCRETE. NOTIFY UNITED STRUCTURES FOR INSTRUCTIONS WHERE FULL EMBEDMENT IS NOT ACHIEVED.
- ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. DO NOT SUBSTITUTE FASTENERS WITHOUT WRITTEN PERMISSION FROM UNITED STRUCTURES.

### BRACING

- BRACING LAYOUTS AND DETAILS SHOWN ARE TO RESIST THE ROOF TRUSS CHORD AND/OR WEB MEMBER BUCKLING FORCES UNDER SERVICE LOADS. MEMBERS TO BE BRACED WERE OBTAINED FROM THE ENGINEERED TRUSS PROFILE DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER.
- BRACING LAYOUTS DO NOT PROVIDE DIAPHRAGM STIFFNESS OR RESISTANCE TO WIND OR SEISMIC FORCES.
- WARNING: DO NOT STAND ON BRACING OR USE IT IN ANY WAY TO SUPPORT YOURSELF OR EQUIPMENT DURING CONSTRUCTION OR AT ANY OTHER TIME.

### STEEL DECK

- EXERCISE CARE WHEN UNLOADING DECK FROM TRUCK TO PREVENT DAMAGE DUE TO SLINGS OR BLOCKING. AVOID OVERLOADING THE SUPPORTING STRUCTURAL MEMBERS WHEN PLACING BUNDLES OF DECK.
- THE STEEL DECK SHALL BE STORED A MINIMUM OF 6 INCHES OFF THE GROUND WITH ONE END ELEVATED A MINIMUM OF 2 INCHES TO PROVIDE DRAINAGE.
- THE DECK SHALL BE PROTECTED FROM THE ELEMENTS BY A NON-ASPHALTIC, WATERPROOF COVERING, VENTILATED TO PREVENT CONDENSATION.
- STORAGE SHALL COMPLY WITH THE STEEL DECK INSTITUTE'S MANUAL OF CONSTRUCTION WITH STEEL DECK.
- INSTALLATION OF DECK SHALL ONLY BE MADE FROM DRAWINGS MARKED "FIELD USE"
- DECK UNITS SHALL BE PLACED ON THE SUPPORTING STRUCTURAL MEMBERS AND ADJUSTED TO FINAL POSITION BEFORE BEING PERMANENTLY FASTENED IN PLACE.
- DECK UNITS SHALL BE PLACED WITH RIBS PERPENDICULAR TO THE SUPPORTING STEEL AND IN STRAIGHT ALIGNMENT FOR THE ENTIRE LENGTH OF THE RUN.
- THE DECK INSTALLER SHALL FIELD-CUT UNITS AS REQUIRED AT ALL SKEW CUT AREAS, FOR DECK LENGTHS SHORTER THAN 6 FEET, AND AT OPENINGS NOT SHOWN ON THE PLACEMENT PLAN.
- DECK SHALL BE ATTACHED TO SUPPORTING MEMBERS AS INDICATED IN THE PLANS. ANY CHANGES MUST BE APPROVED BY THE DESIGN PROFESSIONAL OF RECORD.
- ACCESSORIES SUPPLIED, IF ANY, ARE FURNISHED IN 10 FOOT LENGTHS AND SHALL BE FIELD-CUT TO SUIT CONDITIONS.



### ABBREVIATIONS

@	- AT
AFF	- ABOVE FINISHED FLOOR
ASCE	- AMERICAN SOCIETY OF CIVIL ENGINEERS
AISI	- AMERICAN IRON AND STEEL INSTITUTE
B/C	- BOTTOM CHORD
B/M	- BENT METAL
CANT	- CANTILEVER
CFS	- COLD-FORM STEEL
CLB	- CONTINUOUS LATERAL BRACE
CMU	- CONCRETE MASONRY UNIT
CONC	- CONCRETE
CONT	- CONTINUOUS
C/L	- CENTER LINE
DBR	- DIAGONAL BRACE RESTRAINT
EOR	- ENGINEER OF RECORD
EOT	- END OF TRUSS
EQ	- EQUAL
IFO	- INSIDE FACE OF
LGFM	- LIGHT GAUGE METAL FRAMING
NTS	- NOT TO SCALE
OC	- ON CENTER
OFO	- OUTSIDE FACE OF
O/H	- OVERHANG
PAF	- POWDER ACTUATED FASTENER
PSF	- POUNDS PER SQUARE FOOT
SDS	- SELF DRILLING SCREW
SPS	- SPACES
T/C	- TOP CHORD
T/x	- TOP OF /x
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE

### DESIGN REQUIREMENTS

- DESIGN BASED ON: FBC 2017 (ASCE 7-10)
- ROOF TRUSS LOAD CRITERIA (PER STRUCTURAL NOTES):
  - TOP CHORD LIVE LOAD = 20 PSF
  - TOP CHORD DEAD LOAD = 18 PSF
  - BOTTOM CHORD LIVE LOAD = 0 PSF
  - BOTTOM CHORD DEAD LOAD = 12 PSF
- ROOF TRUSS WIND LOAD CRITERIA (PER STRUCTURAL NOTES):
  - BASIC WIND SPEED = 160 MPH (Vult)
  - RISK CATEGORY = IV
  - EXPOSURE = C
- ROOF TRUSS SNOW LOAD CRITERIA (PER STRUCTURAL NOTES):
  - GROUND SNOW LOAD = 0 PSF
  - IMPORTANCE FACTOR = N/A
  - EXPOSURE FACTOR = N/A
- ROOF TRUSS DEFLECTION CRITERIA (PER STRUCTURAL NOTES):
  - LIVE LOAD = L/360
  - DEAD + LIVE LOAD = L/240
- ROOF TRUSS MATERIAL CRITERIA (PER CONTRACT DOCUMENTS):
  - TOP CHORD = PERFORMANCE SPEC
  - BOTTOM CHORD = PERFORMANCE SPEC
  - WEBS = PERFORMANCE SPEC
  - FINISH = G60

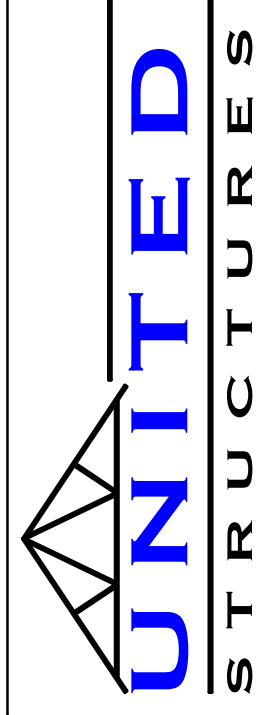
ROOF TRUSS DESIGN AND LAYOUT BASED ON THE FOLLOWING CONTRACT DRAWINGS:		
DESCRIPTION	DATE	REVISION/ADDENDUM
ARCHITECTURAL DRAWINGS	03/06/2020	ADDENDUM #1
STRUCTURAL DRAWINGS	01/31/2020	CONSTRUCTION DOCUMENTS

### SHEET INDEX

GN1 - COVER SHEET & GENERAL NOTES
GE1 - BUILDING ELEVATIONS
TB1 - TRUSS BEARING PLAN - AREA A
TB2 - TRUSS BEARING PLAN - AREA B
TL1 - TRUSS FRAMING PLAN - AREA A
TL2 - TRUSS FRAMING PLAN - AREA B
BL1 - TRUSS T/CHORD BRACING PLAN - AREA A
BL2 - TRUSS T/CHORD BRACING PLAN - AREA B
BL3 - TRUSS TEMPORARY BRACING PLAN - AREA A
BL4 - TRUSS TEMPORARY BRACING PLAN - AREA B
TD1 - TYPICAL DETAILS
TD2 - DETAILS AND SECTIONS
TD3 - SECTIONS
DL1 - ROOF DECK ATTACHMENT PLAN

REVISION	DESCRIPTION	DATE	BY

153 WIGHT ROAD  
CAIRO, GA 39828  
PH (229)233-0260  
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PREPARED FOR:  
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COMPANY, LLC  
HOME TOWN  
FLORIDA XXXXX

BEACH SIDE ELEMENTARY - NEW CAFETERIA  
SUNNY BEACH COUNTY PUBLIC SCHOOLS  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

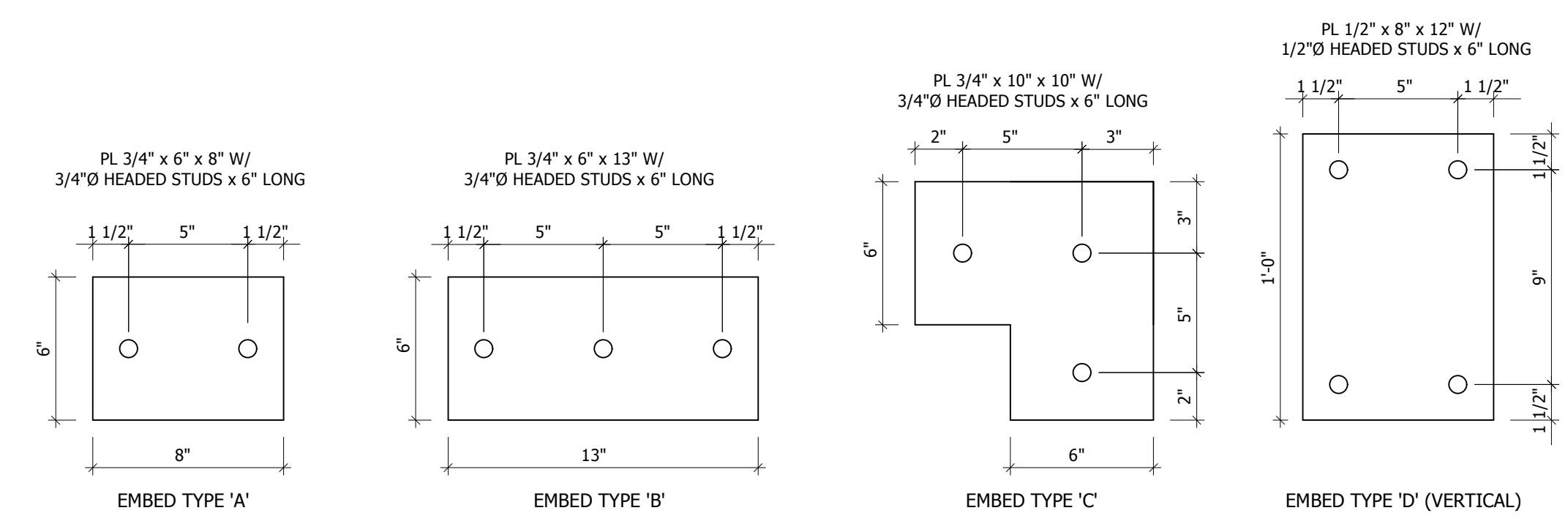
COVER SHEET  
& GENERAL NOTES

SHEET  
**GN1**  
SHEET 01 OF 14

FOR FIELD USE



BEARING LEGEND	
	= CMU / CONCRETE BEARING WALL
	= CMU / CONCRETE NON-BEARING WALL

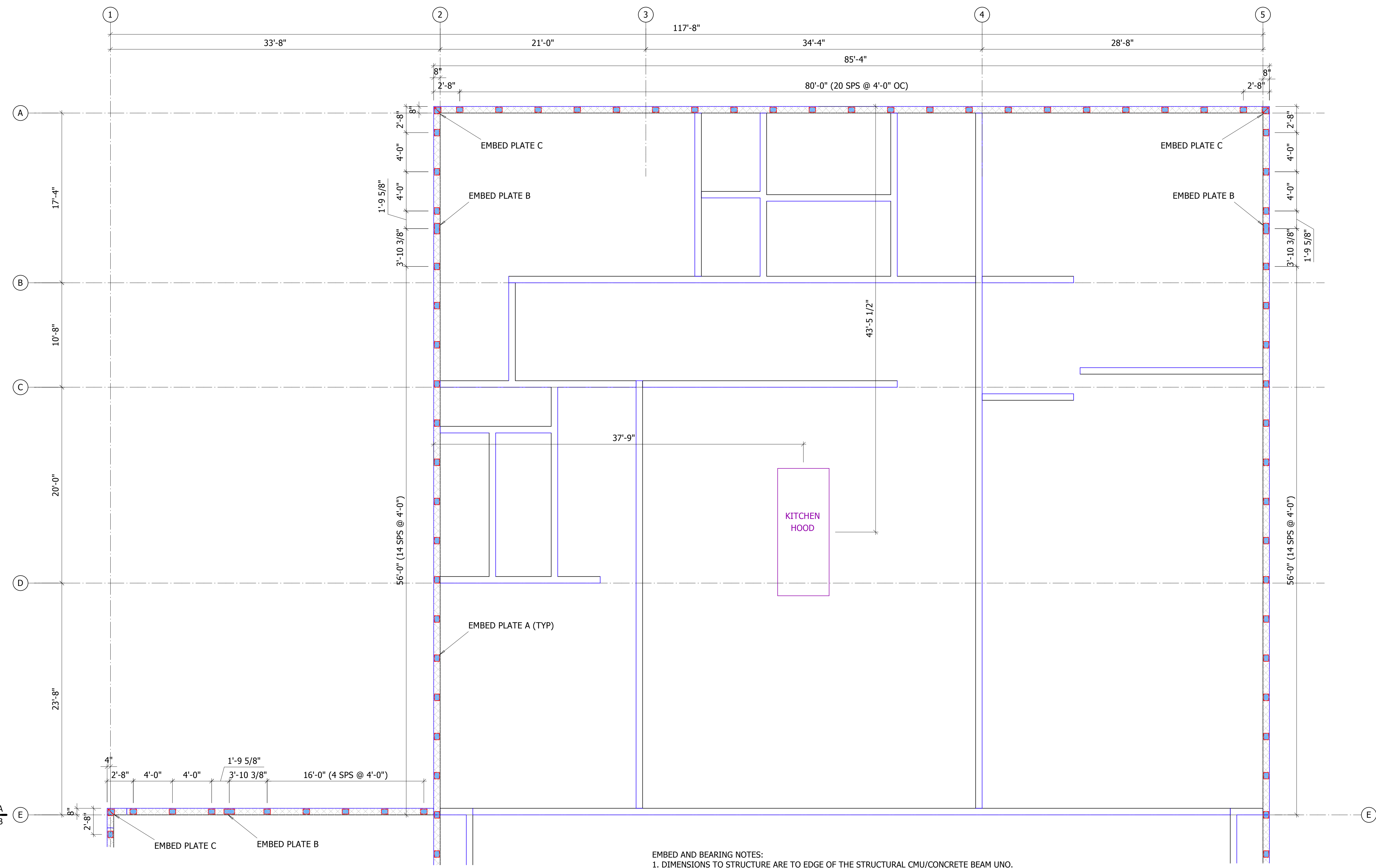


EMBED	QTY
A	176
B	8
C	8
D	3

NOTE: QUANTITIES SHOWN ARE FOR THE WHOLE PROJECT

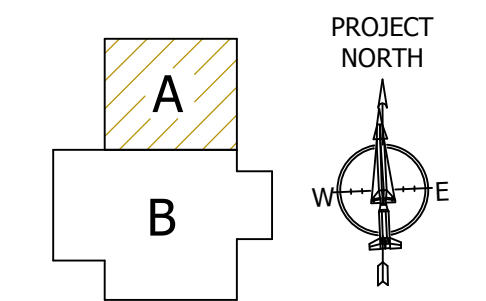
NOTE: SEE STRUCTURAL SHEET S2.3 FOR EMBED PLATES A-B-C. EMBEDS ARE NAMED A-B-C ON THIS PLAN FOR REFERENCE ONLY. DESIGN IS NOT BY UNITED STRUCTURES AND EMBED PLATES ARE NOT SUPPLIED NOR INSTALLED BY UNITED STRUCTURES.

NOTE: SEE STRUCTURAL DETAIL D8/S4.5. EMBED IS NAMED D ON THIS PLAN FOR REFERENCE ONLY. DESIGN IS NOT BY UNITED STRUCTURES AND EMBED PLATES ARE NOT SUPPLIED NOR INSTALLED BY UNITED STRUCTURES.



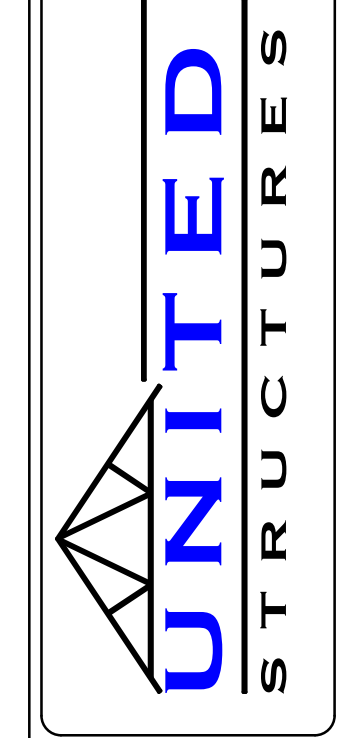
- EMBED AND BEARING NOTES:
1. DIMENSIONS TO STRUCTURE ARE TO EDGE OF THE STRUCTURAL CMU/CONCRETE BEAM UNO.
  2. DIMENSIONS TO EMBED PLATES ARE TO THE CENTER OF PLATE. EMBEDS ARE LONGITUDINALLY CENTERED ON THE WALLS AND ARE FLUSH WITH THE TOP OF WALLS.
  3. EMBEDS ARE TYPE A UNO.
  4. TOP OF BEARING WALLS @ 15'-4" AFF UNO.

TRUSS BEARING PLAN - AREA A



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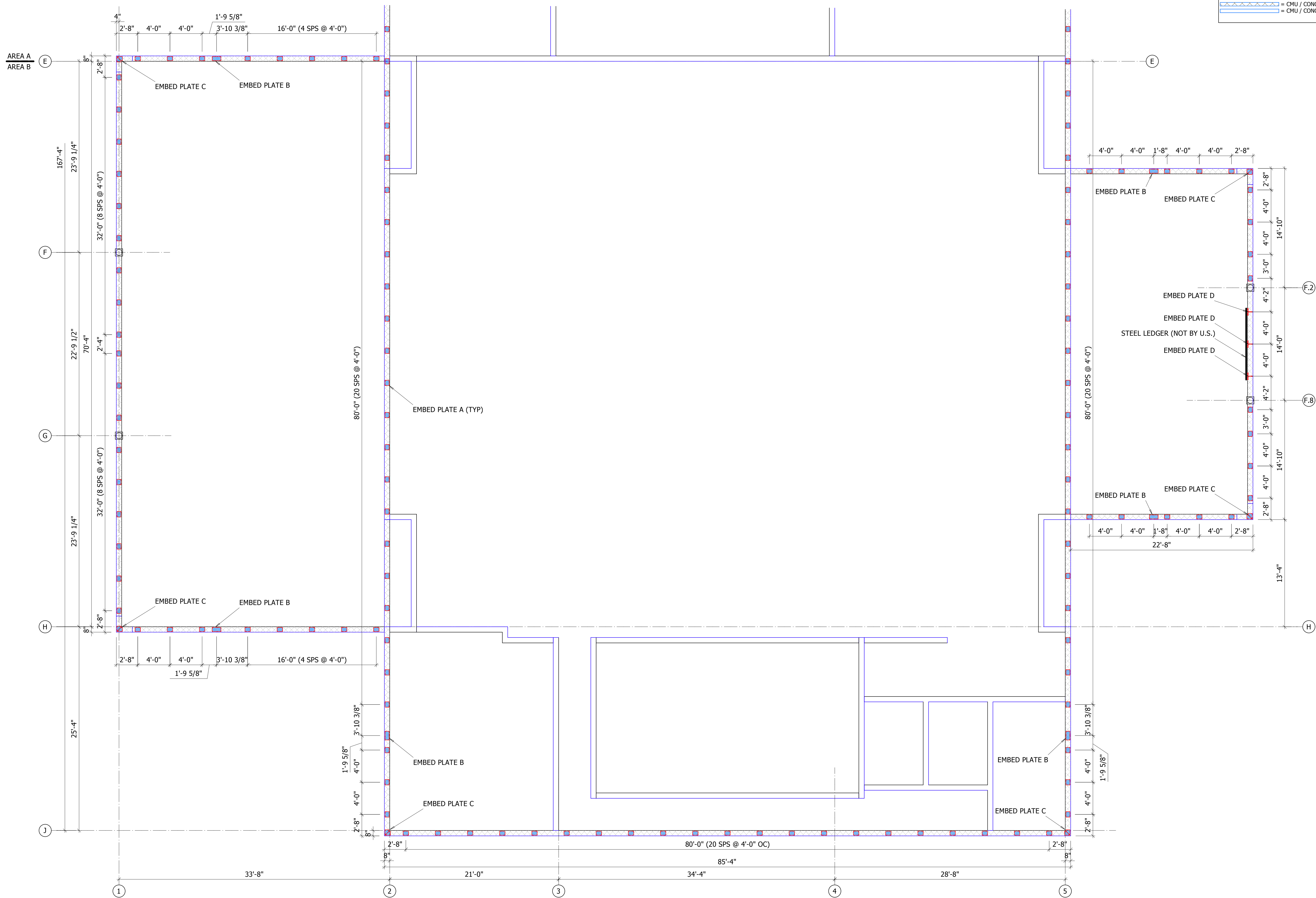
BEACH SIDE ELEMENTARY - NEW CAFETERIA  
SUNNY BEACH COUNTY PUBLIC SCHOOLS  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

FOR FIELD USE

TRUSS BEARING PLAN  
AREA A

SHEET  
**TB1**  
SHEET 03 OF 14

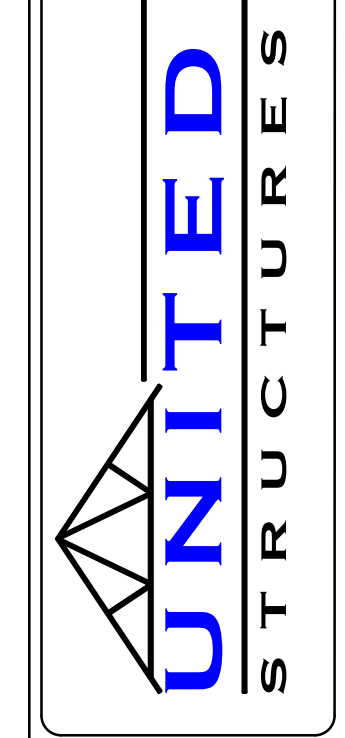


**BEARING LEGEND**

	= CMU / CONCRETE BEARING WALL
	= CMU / CONCRETE NON-BEARING WALL

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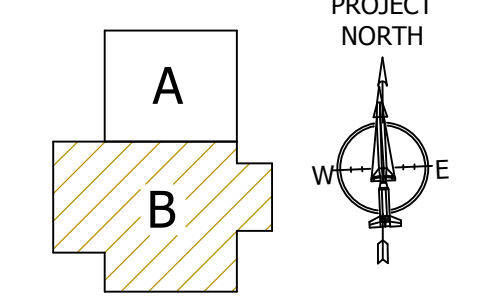
FOR FIELD USE

TRUSS BEARING  
PLAN  
AREA B

SHEET  
**TB2**  
SHEET 04 OF 14

- EMBED AND BEARING NOTES:**
1. DIMENSIONS TO STRUCTURE ARE TO EDGE OF THE STRUCTURAL CMU/CONCRETE BEAM UNO.
  2. DIMENSIONS TO EMBED PLATES ARE TO THE CENTER OF PLATE. EMBEDS ARE LONGITUDINALLY CENTERED ON THE WALLS AND ARE FLUSH WITH THE TOP OF WALLS.
  3. EMBEDS ARE TYPE A UNO. SEE SHEET TB1 FOR MORE DETAILS.
  4. TOP OF BEARING WALLS @ 15'-4" AFF UNO.

**TRUSS BEARING PLAN - AREA B**



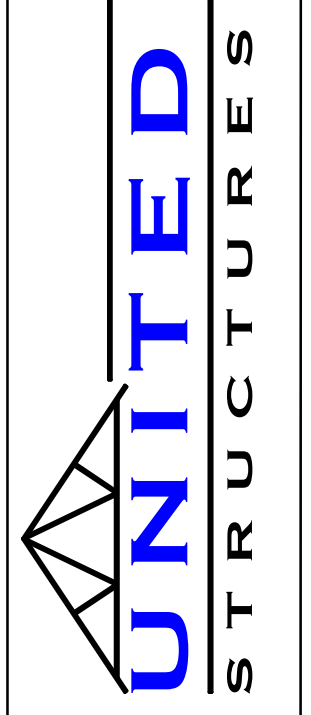
PIECE MARK	DESCRIPTION	LN FT
BP6	6"x6"x18GA @ 154° (HIP/VALLEY)	690'
BP7	6"x6"x18GA @ 142° (VALLEY)	40'
BP8	1-1/2"x3"x16GA @ 90° (VENTED RIDGE)	310'
EP1	6"x6"x3/16" @ 108° (EAVE-BY OTHERS)	-
FPI1	8" 20GA FLAT PLATE	210'

NOTES:  
 1. PIECE MARK REFERS TO THE MATERIAL MARKS IN THE FIELD.  
 2. NOT EVERY LOCATION MAY BE NOTED. USE MATERIAL MATCHING SIMILAR CONDITIONS.  
 3. REFER TO DETAIL 8/TD1 FOR TYPICAL INSTALLATION INSTRUCTIONS.  
 4. MATERIALS ARE FOR THE WHOLE PROJECT  
 5. EP1 IS NOT SUPPLIED BY U.S. BUT WILL BE INSTALLED BY U.S.

BEARING LEGEND	
	= CMU / CONCRETE BEARING WALL
	= CMU / CONCRETE NON-BEARING WALL

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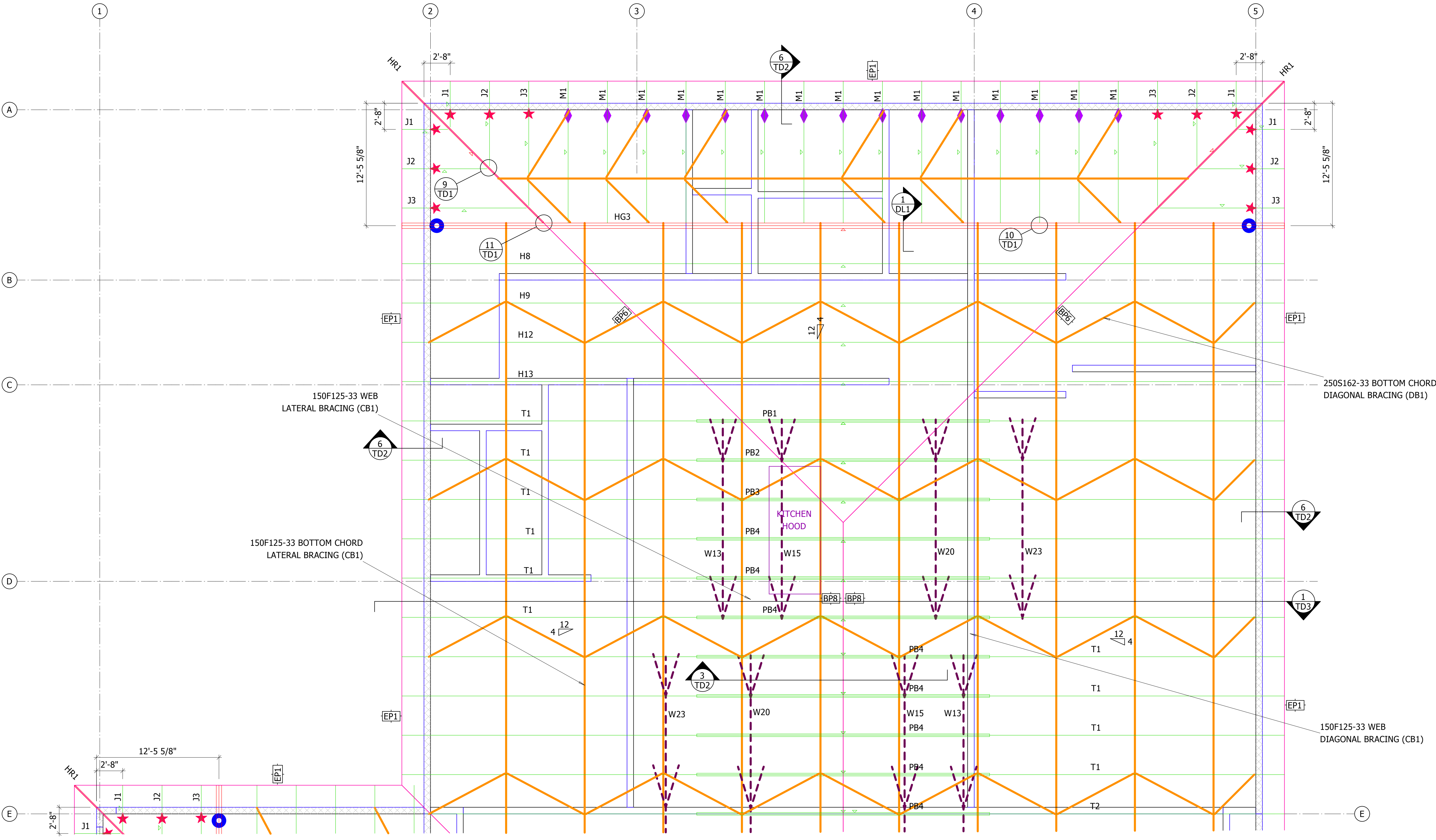
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BEACH SIDE ELEMENTARY - NEW CAFETERIA  
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 1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

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 DRAWN BY: ERH  
 CHECKED BY: MG  
 DATE: 08/05/2020

TRUSS FRAMING PLAN  
 AREA A  
 SHEET  
**TL1**  
 SHEET 05 OF 14

TRUSSES	LABE	QT	DESCRIPTION
H1	1	HIP TRUSS	
H2	1	HIP TRUSS	
H3	1	HIP TRUSS	
H4	1	HIP TRUSS	
H5	1	HIP TRUSS	
H6	1	HIP TRUSS	
H7	1	HIP TRUSS	
H8	2	HIP TRUSS	
H9	2	HIP TRUSS	
H10	1	HIP TRUSS	
H11	1	HIP TRUSS	
H12	1	HIP TRUSS	
H13	1	HIP TRUSS	
HG1	1	HIP GIRDER TRUSS (2PLY)	
HG2	1	HIP GIRDER TRUSS	
HG3	2	HIP GIRDER TRUSS (2PLY)	
HR1	8	HIP RAFTER TRUSS	
J1	16	JACK TRUSS	
J2	16	JACK TRUSS	
J3	16	JACK TRUSS	
M1	44	JACK TRUSS	
M2	3	JACK TRUSS	
PB1	2	PIGGYBACK	
PB2	2	PIGGYBACK	
PB3	2	PIGGYBACK	
PB4	21	PIGGYBACK	
T1	10	TRUSS	
T2	6	TRUSS	
T3	11	TRUSS	
V1	1	VALLEY TRUSS	
V2	1	VALLEY TRUSS	
V3	1	VALLEY TRUSS	
V4	1	VALLEY TRUSS	
V5	1	VALLEY TRUSS	
V6	1	VALLEY TRUSS	
V7	1	VALLEY TRUSS	
V8	1	VALLEY TRUSS	
V9	1	VALLEY TRUSS	
V10	1	VALLEY TRUSS	
V11	1	VALLEY TRUSS	
V12	1	VALLEY TRUSS	
V13	1	VALLEY TRUSS	
V14	1	VALLEY TRUSS	
V15	1	VALLEY TRUSS	
V16	1	VALLEY TRUSS	
V17	1	VALLEY TRUSS	
V18	1	VALLEY TRUSS	
TOTAL	194		

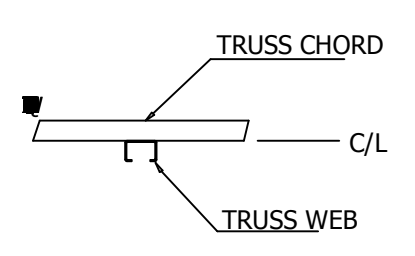


**BRACING NOTES**

- ALL LATERAL B/CHORD AND WEB BRACING SHALL BE MINIMUM 150F125-33 FURRING (HAT) CHANNEL WITH (2) #12 SDS AT ALL CONNECTIONS.
- ALL DIAGONAL B/CHORD AND WEB BRACING SHALL BE MINIMUM 250S162-33 W/(3) #12 SDS MIN. AT ALL CONNECTIONS.
- CONTINUOUS BOTTOM CHORD LATERAL BRACING.
- BOTTOM CHORD DIAGONAL BRACING (X-BRACING). BRACING TO BE PLACED EVERY 20'-0" (MAX).
- CONTINUOUS WEB LATERAL BRACING. W(x) INDICATES THE WEB TO BE BRACED.
- WEB DIAGONAL BRACING (X-BRACING). BRACING TO BE PLACED EVERY 20'-0" (MAX).
- SEE DETAILS ON TD1 FOR MORE BRACING REQUIREMENTS.

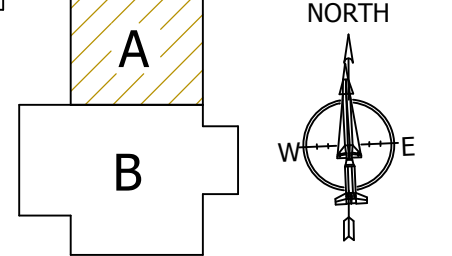
NOTE:  
 1. THIS BRACING IS FOR THE BOTTOM CHORD AND WEB BRACING OF THE MAIN TRUSS SYSTEM.  
 2. INSTALLATION OF NON LOAD BEARING WALLS EXTENDING HIGH THAN THE TRUSS BOTTOM CHORD IS NOT TO INTERFERE WITH THE TRUSS BRACING. ANY MODIFICATIONS MUST BE SUBMITTED TO U.S. FOR APPROVAL PRIOR TO ANY MODIFICATIONS.  
 3. THE MATERIALS ARE FOR THE WHOLE PROJECT.  
 4. CB1 CONTAINS ADDITIONAL TEMPORARY BRACING FOR INSTALLATION.

PIECE MARK	LENGTH	QTY
CB1	12'-6"	307
DB1	9'-0"	238



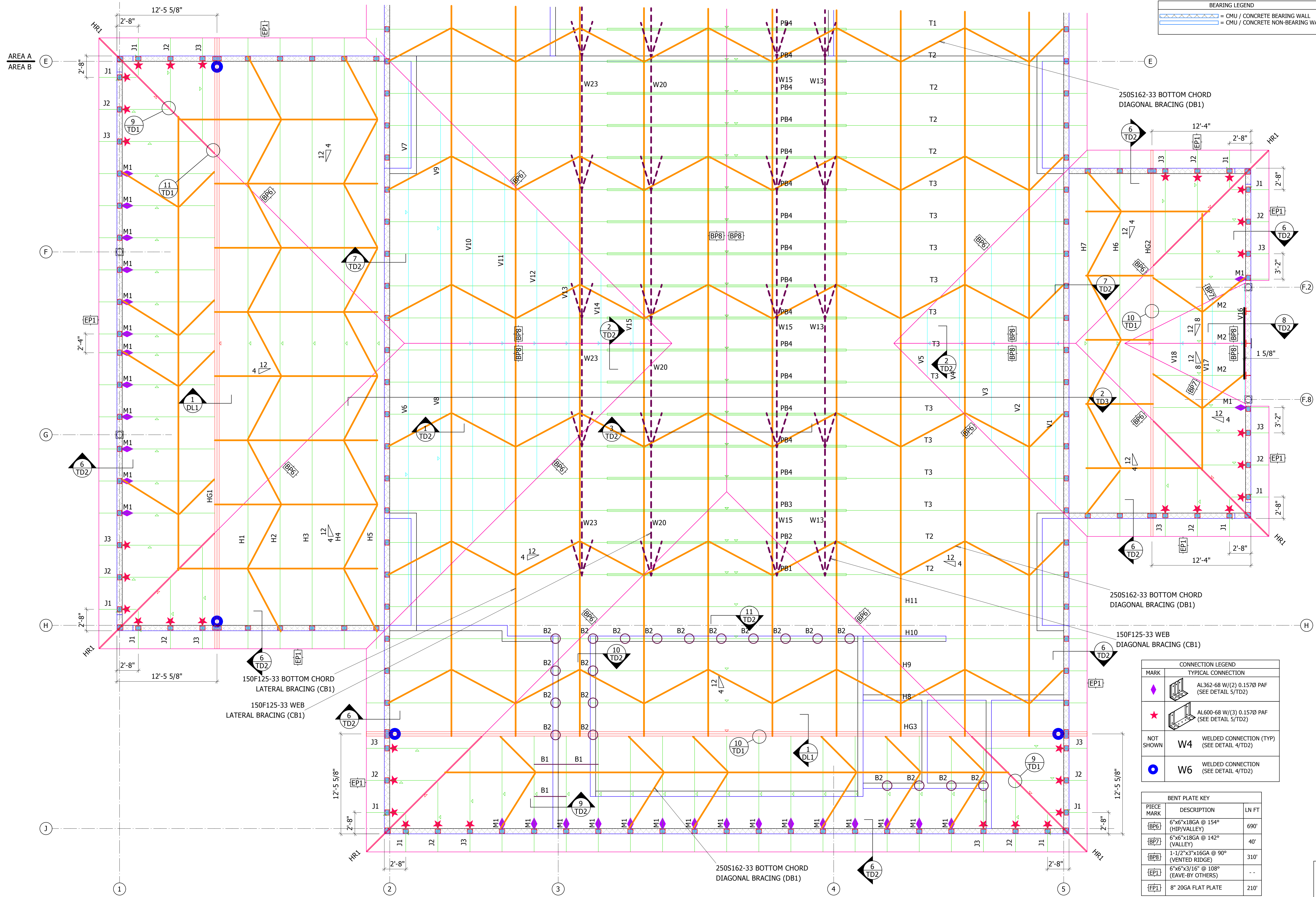
NOTES:  
 1. ALL DIMENSIONS TO STRUCTURE ARE TO EDGE OF CMU/CONCRETE WALL OR BEAM.  
 2. ALL DIMENSIONS TO THE TRUSSES ARE TO THE CENTELINE OF TRUSS.  
 3. TRUSSES SPACING IS 48" OC TYPICAL  
 4. TRUSS LABELS ON THIS LAYOUT CORRESPOND TO THE TAGGED END OF THE TRUSSES.  
 5. Δ INDICATES WEB SIDE OF TRUSS.  
 6. PROVIDE TRUSS FRAMING PLANS AND THE TRUSS PROFILES TO THE MECHANICAL SUPPLIER TO COORDINATE ANY DUCT WORK OR EQUIPMENT THAT AFFECTS THE TRUSS SYSTEM.

CONNECTION LEGEND	
MARK	TYPICAL CONNECTION
	AL362-68 W/(2) 0.1570 PAF (SEE DETAIL 5/TD2)
	AL600-68 W/(3) 0.1570 PAF (SEE DETAIL 5/TD2)
NOT SHOWN	W4 WELDED CONNECTION (TYP) (SEE DETAIL 4/TD2)
	W6 WELDED CONNECTION (SEE DETAIL 4/TD2)



TRUSS FRAMING PLAN - AREA A

FOR FIELD USE



**BEARING LEGEND**

	= CMU / CONCRETE BEARING WALL
	= CMU / CONCRETE NON-BEARING WALL

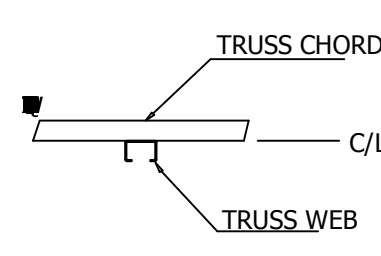
**CONNECTION LEGEND**

MARK	TYPICAL CONNECTION
	AL362-68 W/(2) 0.1570 PAF (SEE DETAIL 5/TD2)
	AL600-68 W/(3) 0.1570 PAF (SEE DETAIL 5/TD2)
NOT SHOWN	W4 WELDED CONNECTION (TYP) (SEE DETAIL 4/TD2)
	W6 WELDED CONNECTION (SEE DETAIL 4/TD2)

**BENT PLATE KEY**

PIECE MARK	DESCRIPTION	LN FT
BP6	6"x6"x18GA @ 154° (HIP/VALLEY)	690'
BP7	6"x6"x18GA @ 142° (VALLEY)	40'
BP8	1-1/2"x3"x16GA @ 90° (VENTED RIDGE)	310'
EP1	6"x6"x3/16" @ 108° (EAVE-BY OTHERS)	..
EP1	8" 20GA FLAT PLATE	210'

- NOTES:**
1. ALL DIMENSIONS TO STRUCTURE ARE TO EDGE OF CMU/CONCRETE WALL OR BEAM.
  2. ALL DIMENSIONS TO THE TRUSSES ARE TO THE CENTELINE OF TRUSS.
  3. TRUSSES SPACING IS 48" OC TYPICAL.
  4. TRUSS LABELS ON THIS LAYOUT CORRESPOND TO THE TAGGED END OF THE TRUSSES.
  5. Δ INDICATES WEB SIDE OF TRUSS.
  6. PROVIDE TRUSS FRAMING PLANS AND THE TRUSS PROFILES TO THE MECHANICAL SUPPLIER TO COORDINATE ANY DUCT WORK OR EQUIPMENT THAT AFFECTS THE TRUSS SYSTEM.

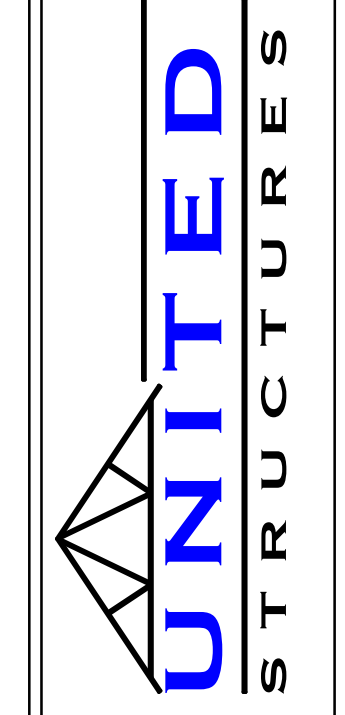


**TRUSS FRAMING PLAN - AREA B**

**REVISIONS**

REVISION	DESCRIPTION	DATE	BY

153 WIGHT ROAD  
CAIRO, GA 39828  
PH (229)233-0260  
FAX (229)377-7772



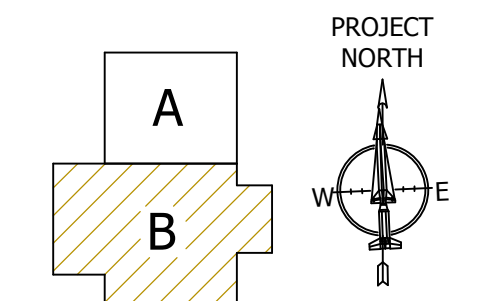
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HOME TOWN  
FLORIDA XXXXX

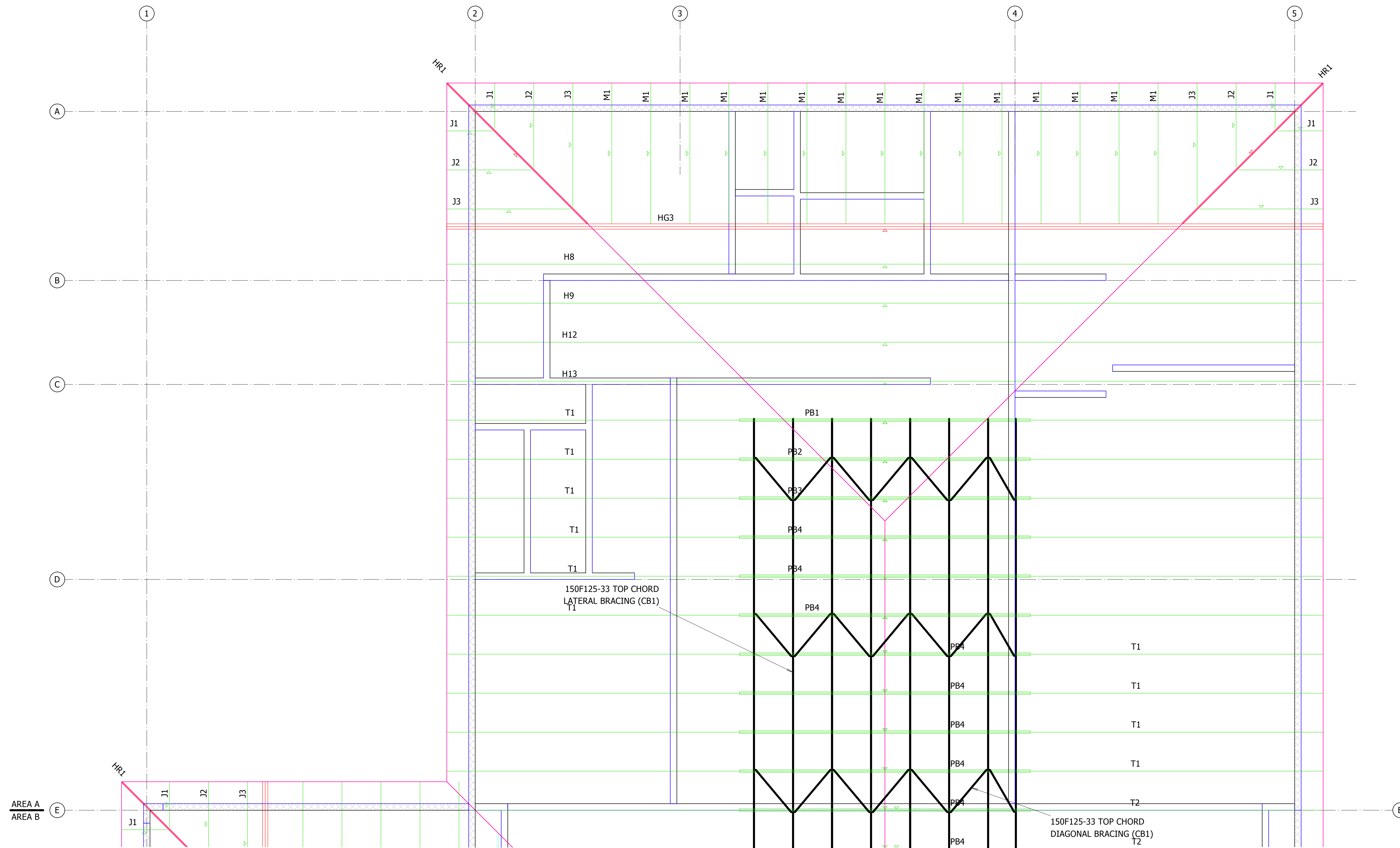
**BEACH SIDE ELEMENTARY - NEW CAFETERIA**  
**SUNNY BEACH COUNTY PUBLIC SCHOOLS**  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

**FOR FIELD USE**

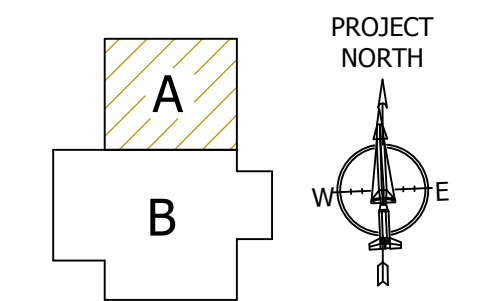
TRUSS FRAMING PLAN  
AREA B  
SHEET  
**TL2**  
SHEET 06 OF 14





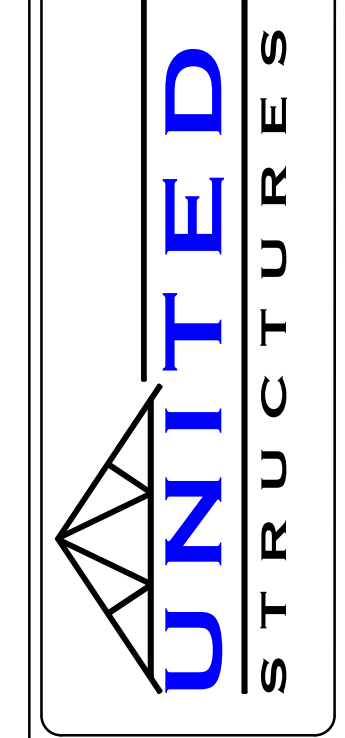
TRUSS TOP CHORD BRACING PLAN - AREA A

- BRACING NOTES**
1. ALL LATERAL TOP CHORD BRACING SHALL BE MINIMUM 150F125-33 FURRING (HAT) CHANNEL WITH (2) #12 SDS AT ALL CONNECTIONS.
  2. ALL DIAGONAL BOTTOM CHORD BRACING SHALL BE MINIMUM 150F162-33 W/(4) #12 SDS MIN. AT ALL CONNECTIONS.
  3. — CONTINUOUS TOP CHORD LATERAL BRACING @ 4'-0" OC MAX.
  4. TOP CHORD DIAGONAL BRACING (X-BRACING). BRACING TO BE PLACED EVERY 20'-0" MAX. (MAX).
  5. SEE DETAIL 6/TD1 FOR MORE BRACING REQUIREMENTS.



REVISION	DESCRIPTION	DATE	BY

153 WIGHT ROAD  
CAIRO, GA 39828  
PH (229)733-0260  
FAX (229)377-7772



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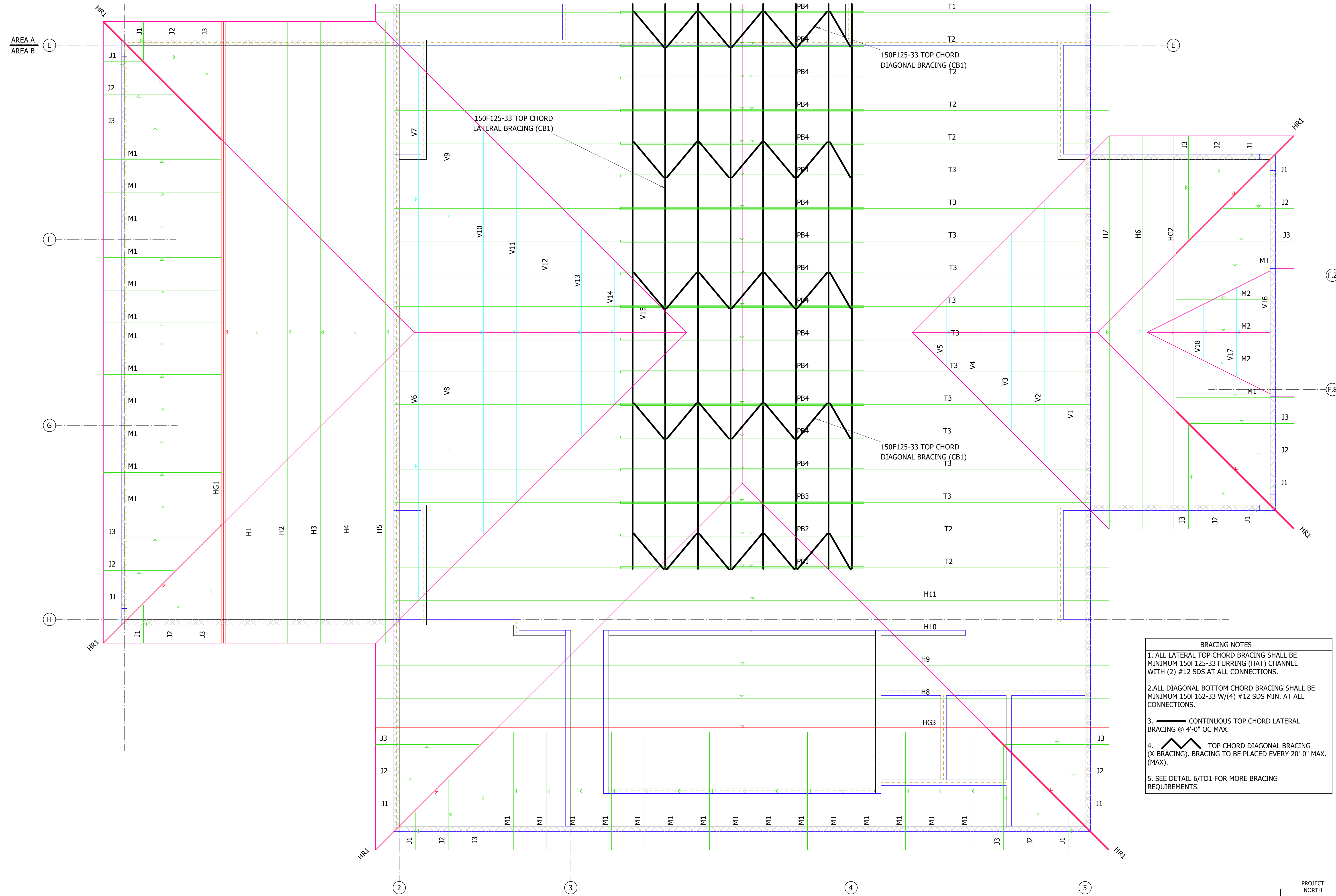
**BEACH SIDE ELEMENTARY - NEW CAFETERIA**  
**SUNNY BEACH COUNTY PUBLIC SCHOOLS**  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
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DATE: 08/05/2020

FOR FIELD USE

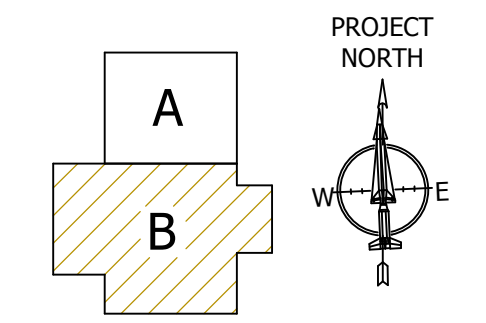
TRUSS T/CHORD  
BRACING PLAN  
AREA A

SHEET  
**BL1**  
SHEET 07 OF 14



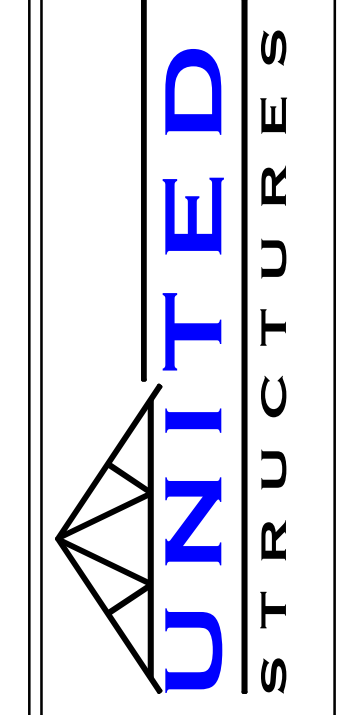
TRUSS TOP CHORD BRACING PLAN - AREA B

- BRACING NOTES**
1. ALL LATERAL TOP CHORD BRACING SHALL BE MINIMUM 150F125-33 FURRING (HAT) CHANNEL WITH (2) #12 SDS AT ALL CONNECTIONS.
  2. ALL DIAGONAL BOTTOM CHORD BRACING SHALL BE MINIMUM 150F162-33 W/(4) #12 SDS MIN. AT ALL CONNECTIONS.
  3. ——— CONTINUOUS TOP CHORD LATERAL BRACING @ 4'-0" OC MAX.
  4. TOP CHORD DIAGONAL BRACING (X-BRACING). BRACING TO BE PLACED EVERY 20'-0" MAX. (MAX).
  5. SEE DETAIL 6/TD1 FOR MORE BRACING REQUIREMENTS.



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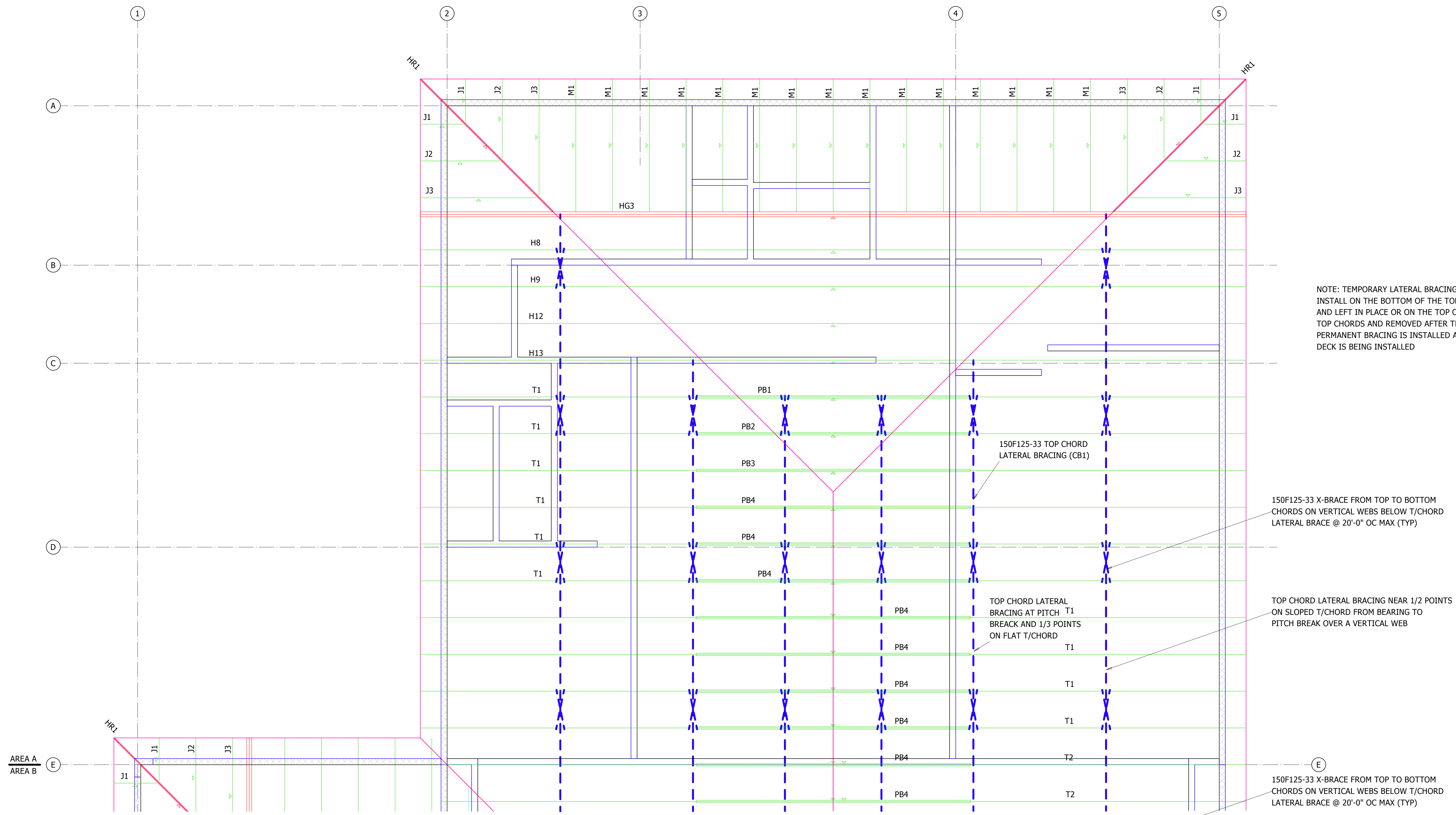
PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

FOR FIELD USE

TRUSS T/CHORD  
BRACING PLAN  
AREA B

SHEET  
**BL2**  
SHEET 08 OF 14





NOTE: TEMPORARY LATERAL BRACING MAY INSTALL ON THE BOTTOM OF THE TOP CHORDS AND LEFT IN PLACE OR ON THE TOP OF THE TOP CHORDS AND REMOVED AFTER THE TRUSS PERMANENT BRACING IS INSTALLED AND THE DECK IS BEING INSTALLED

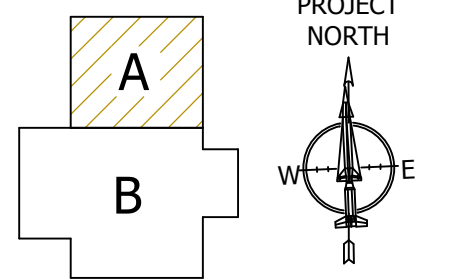
150F125-33 X-BRACE FROM TOP TO BOTTOM CHORDS ON VERTICAL WEBS BELOW T/CHORD LATERAL BRACE @ 20'-0" OC MAX (TYP)

TOP CHORD LATERAL BRACING NEAR 1/2 POINTS ON SLOPED T/CHORD FROM BEARING TO PITCH BREAK OVER A VERTICAL WEB

TOP CHORD LATERAL BRACING AT PITCH T1 BREAK AND 1/3 POINTS ON FLAT T/CHORD

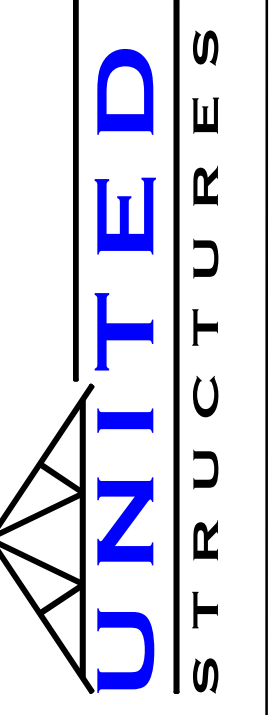
150F125-33 X-BRACE FROM TOP TO BOTTOM CHORDS ON VERTICAL WEBS BELOW T/CHORD LATERAL BRACE @ 20'-0" OC MAX (TYP)

TRUSS TEMPORARY BRACING PLAN - AREA A



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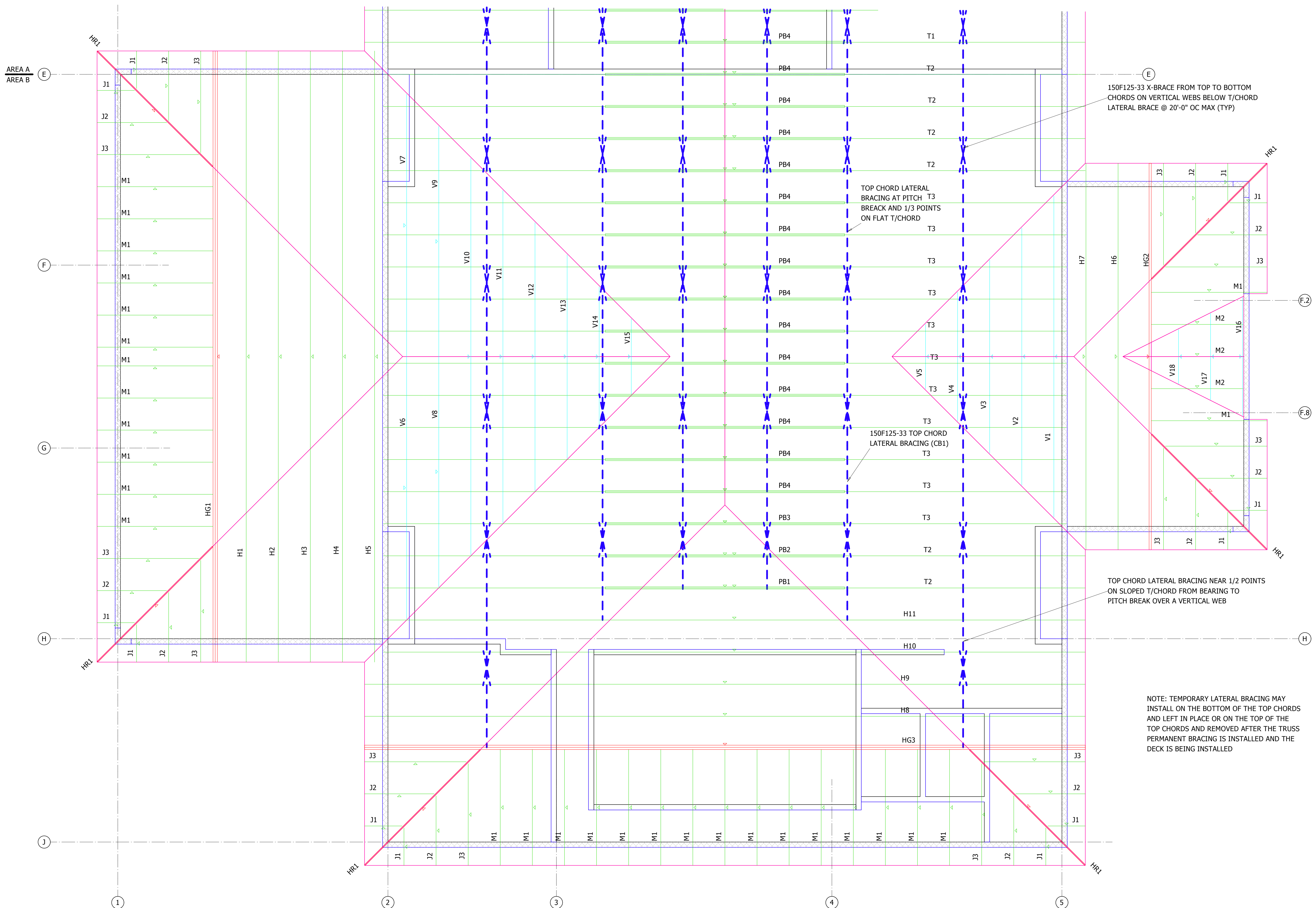
**BEACH SIDE ELEMENTARY - NEW CAFETERIA**  
**SUNNY BEACH COUNTY PUBLIC SCHOOLS**  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
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DATE: 08/05/2020

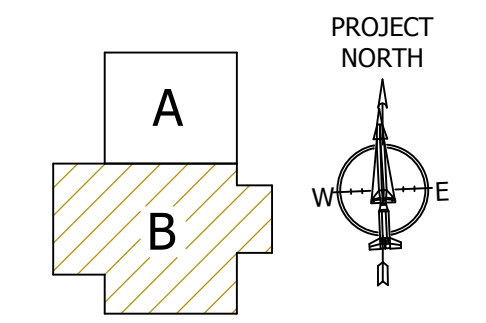
TRUSS TEMP BRACING PLAN  
AREA A

SHEET  
**BL3**  
SHEET 09 OF 14

FOR FIELD USE

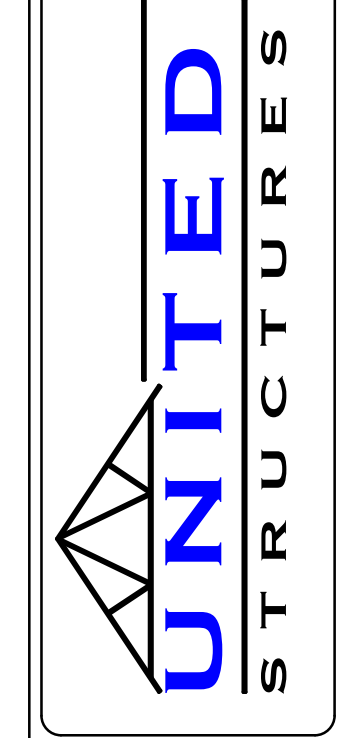


TRUSS TEMPORARY BRACING PLAN - AREA B



REVISIONS	DESCRIPTION	DATE	BY

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**BEACH SIDE ELEMENTARY - NEW CAFETERIA**  
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1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

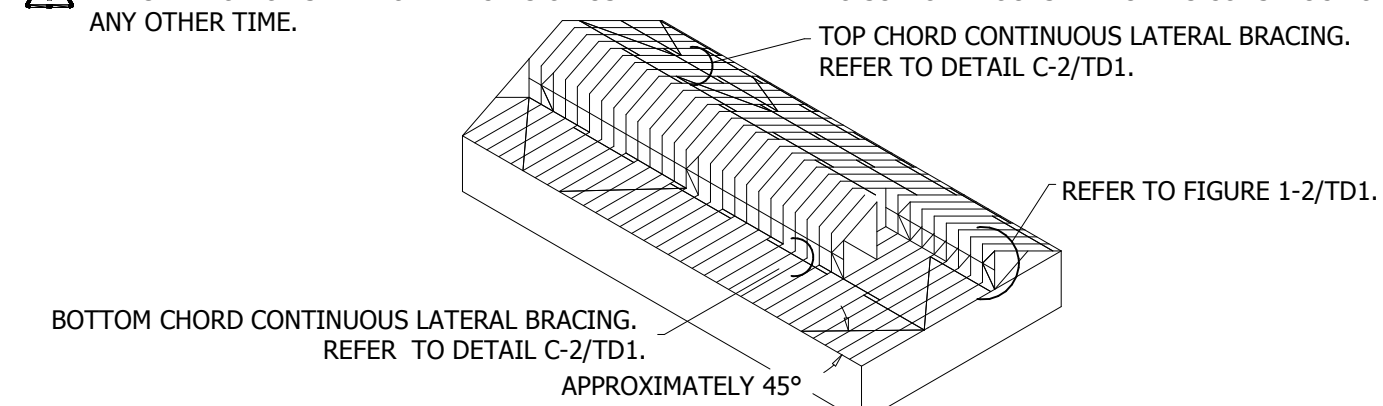
PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

FOR FIELD USE

TRUSS TEMP  
BRACING PLAN  
AREA B

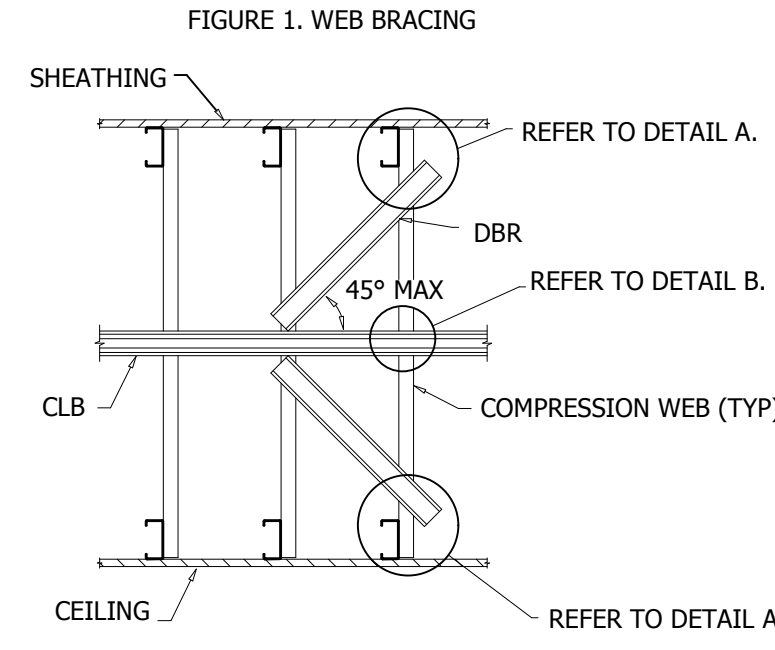
SHEET  
**BL4**  
SHEET 10 OF 14

**⚠ DANGER!** DO NOT STAND ON BRACING OR USE IT IN ANY WAY TO SUPPORT YOURSELF DURING CONSTRUCTION OR ANY OTHER TIME.

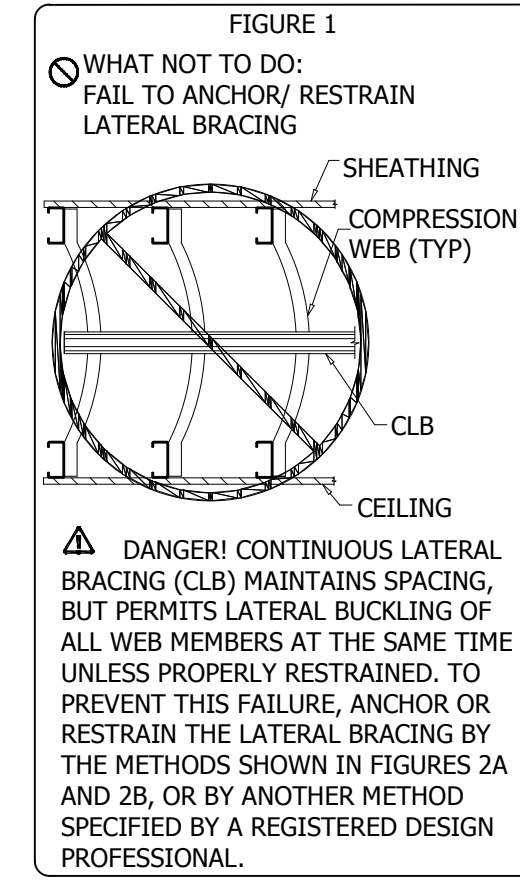
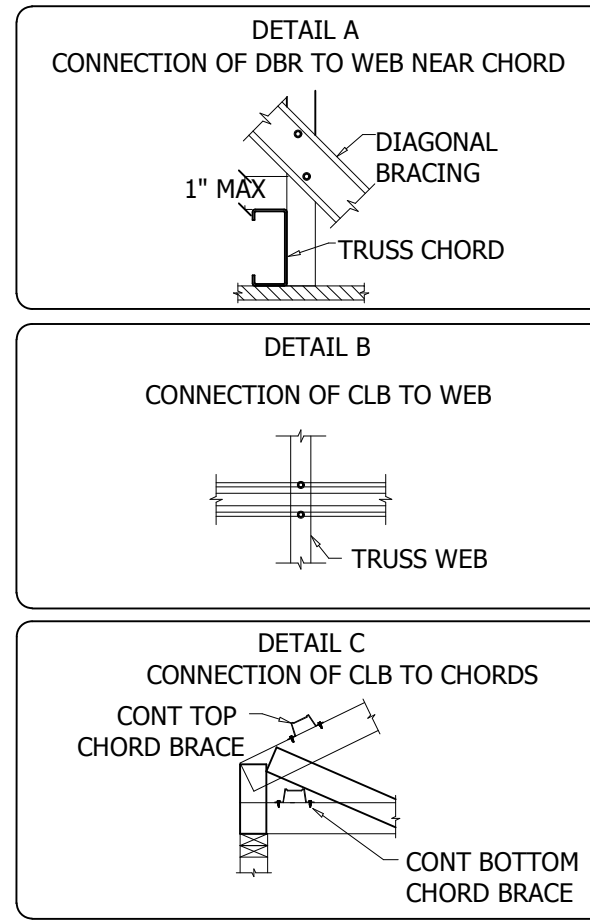


**⚠ WARNING!** TEMPORARY BRACING - TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CHAPTERS B1 AND B2 OF CFSBCS1, "COLD-FORMED STEEL BUILDING COMPONENT SAFETY INFORMATION", FOR REQUIRED BRACE MATERIAL AND CONNECTIONS, AND FOR GENERAL GUIDANCE ON SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. CFSBCS1 IS PUBLISHED BY THE COLD-FORMED STEEL COUNCIL (CFSC), 6300 ENTERPRISE LANE, MADISON, WI 53719. FOR ADDITIONAL GUIDANCE, REFER TO THE COLD-FORMED STEEL ENGINEERS INSTITUTE (CFSEI) TECHNICAL NOTE 551D TITLED, "DESIGN GUIDE FOR CONSTRUCTION BRACING OF COLD-FORMED STEEL TRUSSES". CONSULT A REGISTERED DESIGN PROFESSIONAL IF TRUSS SPAN IS OVER 60'(18288MM) OR TRUSS SPACING IS OVER 48'(1219MM) O.C.

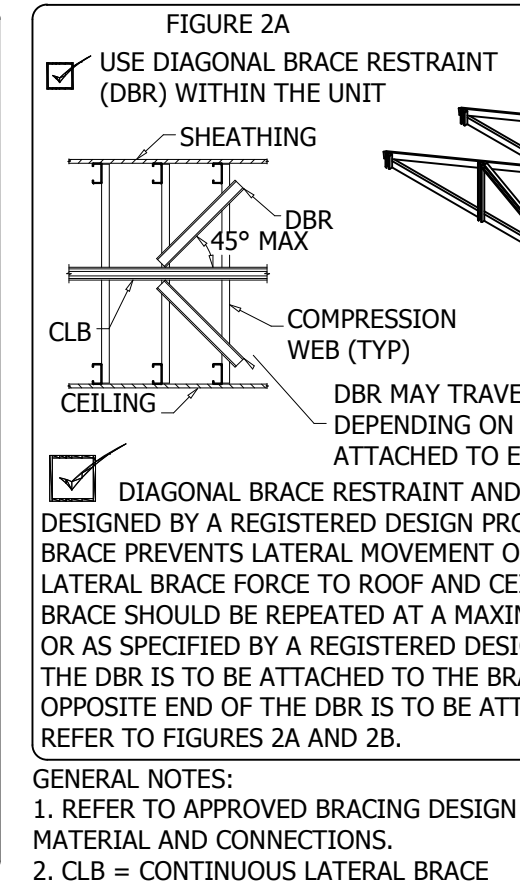
**⚠ WARNING!** PERMANENT BRACING - PERMANENT BRACING SYSTEMS AND ASSOCIATED MEMBERS AND CONNECTIONS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL. FOR GUIDANCE, TRUSSTEEL RECOMMENDS REFERRING TO CFSEI TECHNICAL NOTE 551E TITLED, "DESIGN GUIDE FOR PERMANENT BRACING OF COLD-FORMED STEEL TRUSSES". ALTERNATIVELY, THE BUILDING DESIGNER AND/OR THE REGISTERED DESIGN PROFESSIONAL SHALL BE PERMITTED TO SPECIFY PERMANENT AND INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING IN ACCORDANCE WITH SECTION B4.5 OF AISI S214-07/52-08 (NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - TRUSS DESIGN).



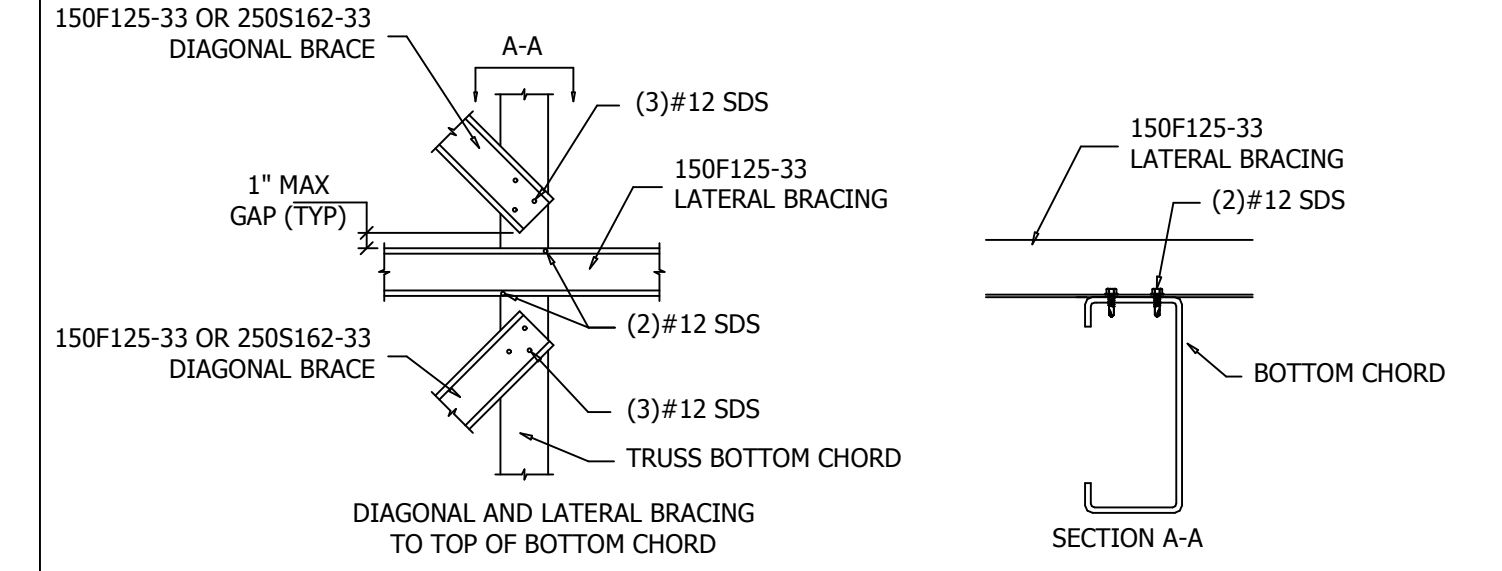
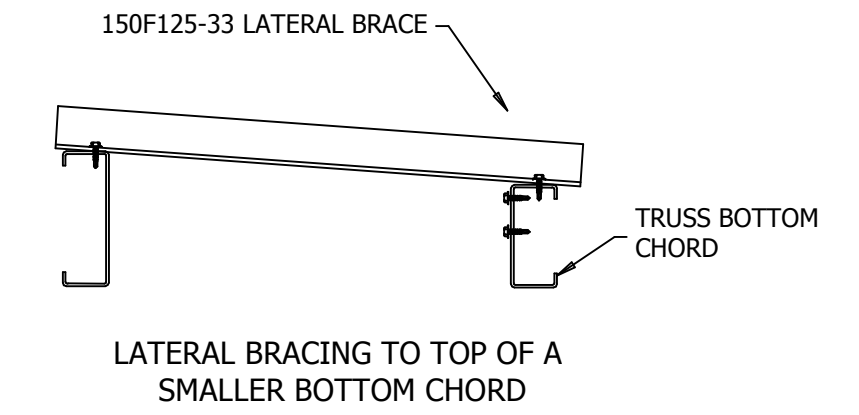
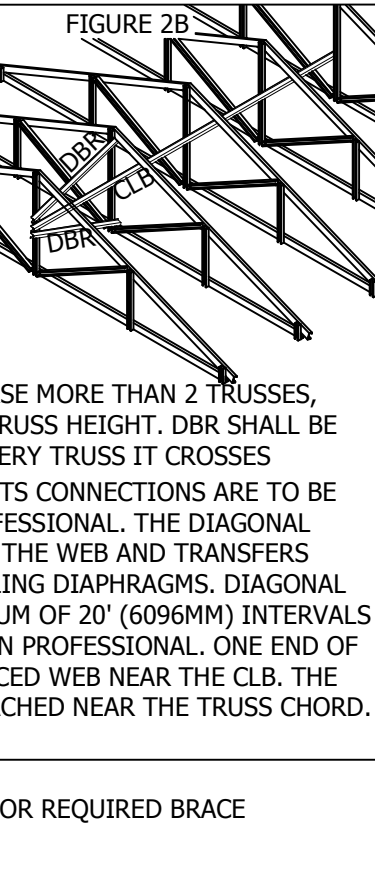
GENERAL NOTES:  
1. CLB = CONTINUOUS LATERAL BRACE  
2. DBR = DIAGONAL BRACE RESTRAINT



**⚠ DANGER!** CONTINUOUS LATERAL BRACING (CLB) MAINTAINS SPACING, BUT PERMITS LATERAL BUCKLING OF ALL WEB MEMBERS AT THE SAME TIME UNLESS PROPERLY RESTRAINED. TO PREVENT THIS FAILURE, ANCHOR OR RESTRAIN THE LATERAL BRACING BY THE METHODS SHOWN IN FIGURES 2A AND 2B, OR BY ANOTHER METHOD SPECIFIED BY A REGISTERED DESIGN PROFESSIONAL.



GENERAL NOTES:  
1. REFER TO APPROVED BRACING DESIGN FOR REQUIRED BRACE MATERIAL AND CONNECTIONS.  
2. CLB = CONTINUOUS LATERAL BRACE  
3. DBR = DIAGONAL BRACE RESTRAINT

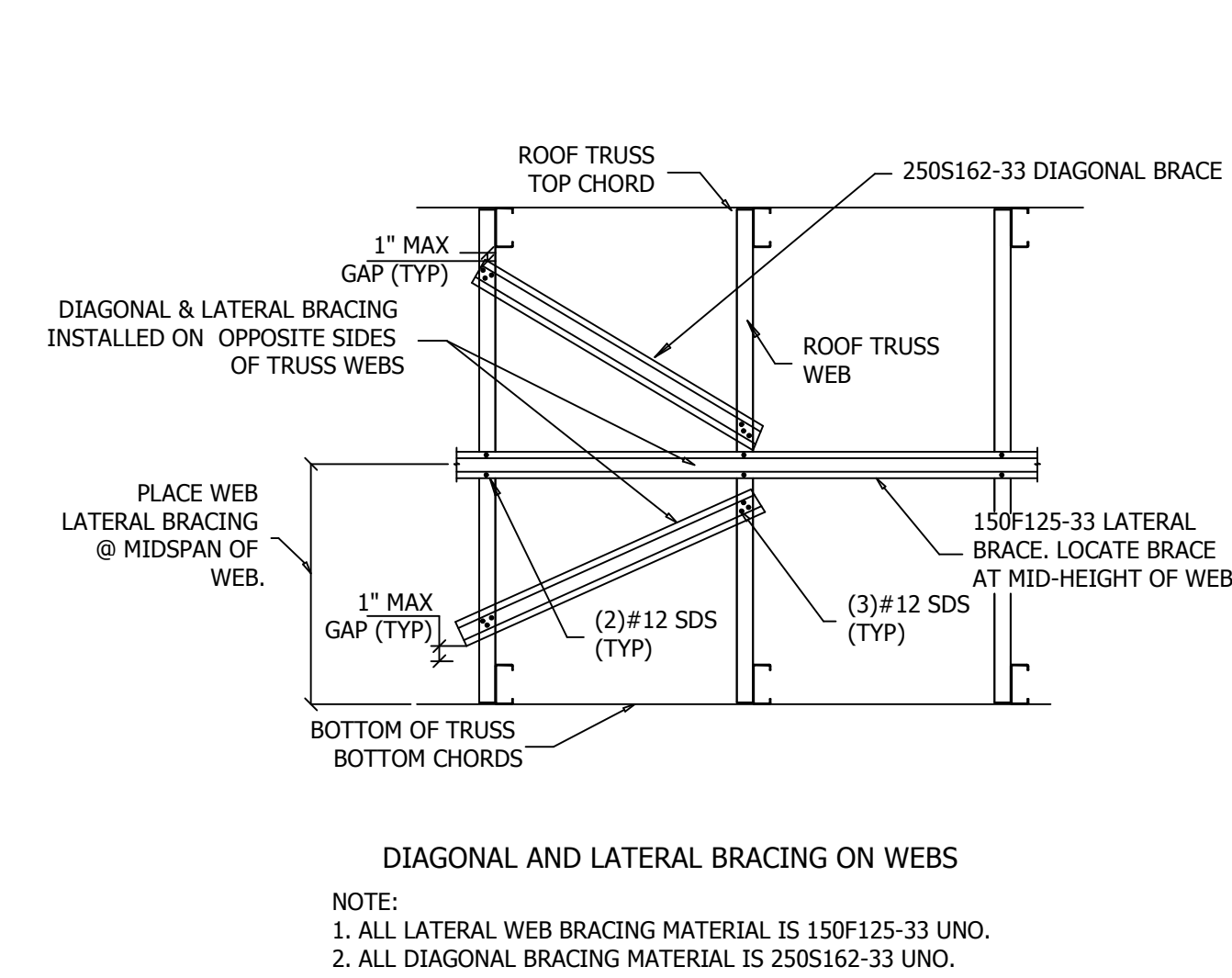


**1 STEEL TRUSS TEMPORARY AND PERMANENT BRACING GUIDELINES**  
REF: CFSBCS1

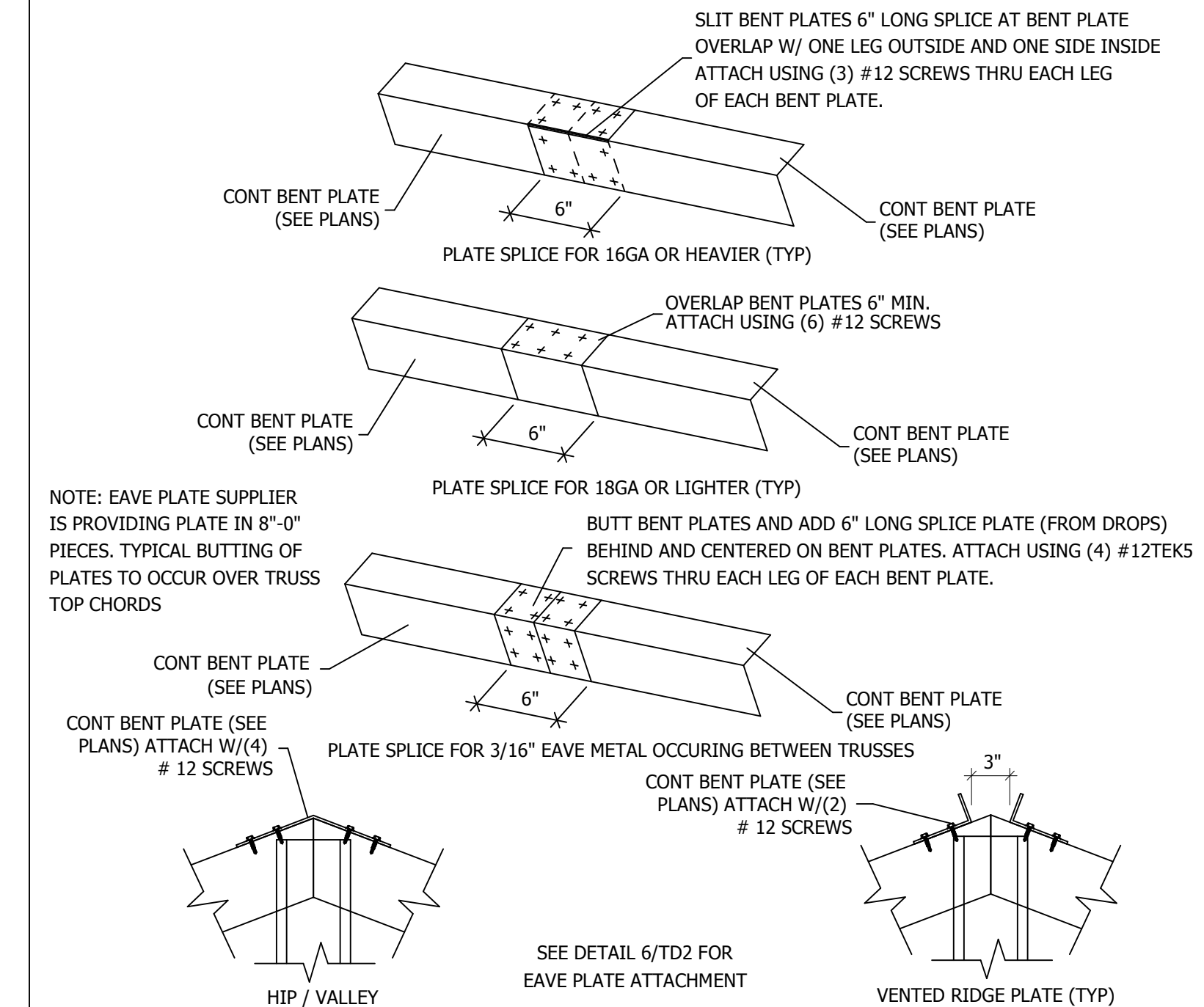
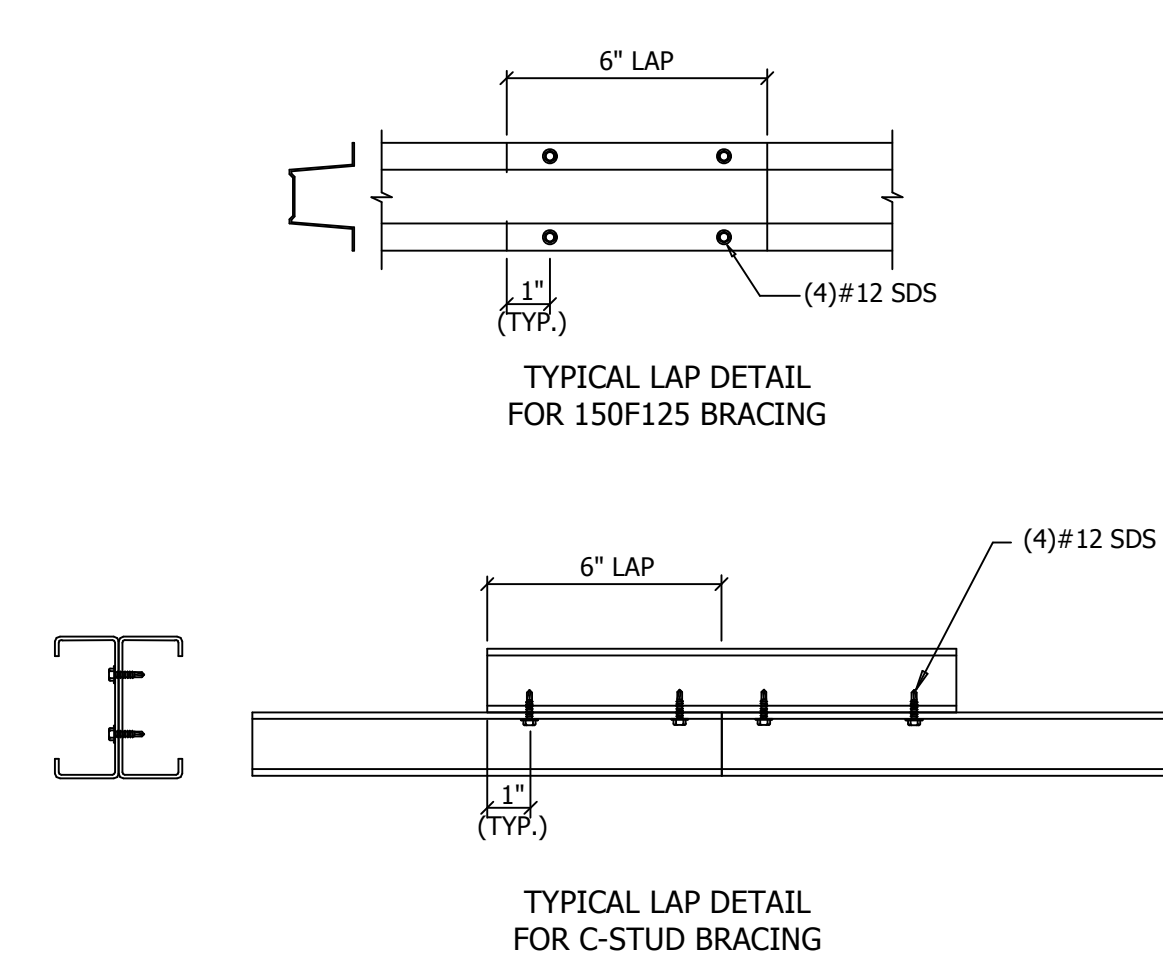
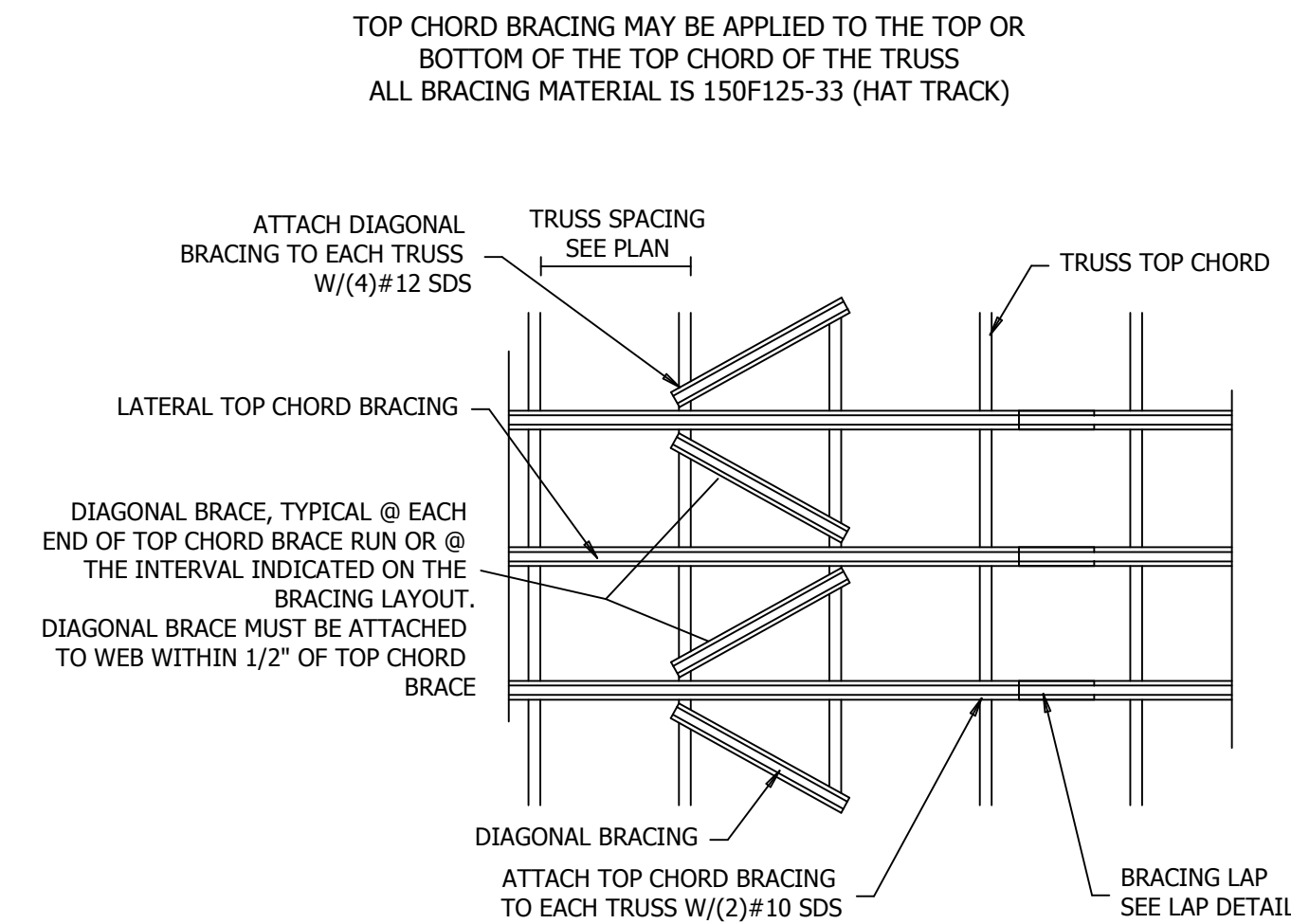
**2 STEEL TRUSS TEMPORARY AND PERMANENT BRACING GUIDELINES**  
REF: CFSBCS1

**3 WEB CLB RESTRAINT**  
REF: CFSBCS1

**4 BOTTOM CHORD BRACING CONNECTION DETAIL (TYP)**  
REF: --



NOTE:  
1. ALL LATERAL WEB BRACING MATERIAL IS 150F125-33 UNO.  
2. ALL DIAGONAL BRACING MATERIAL IS 250S162-33 UNO.

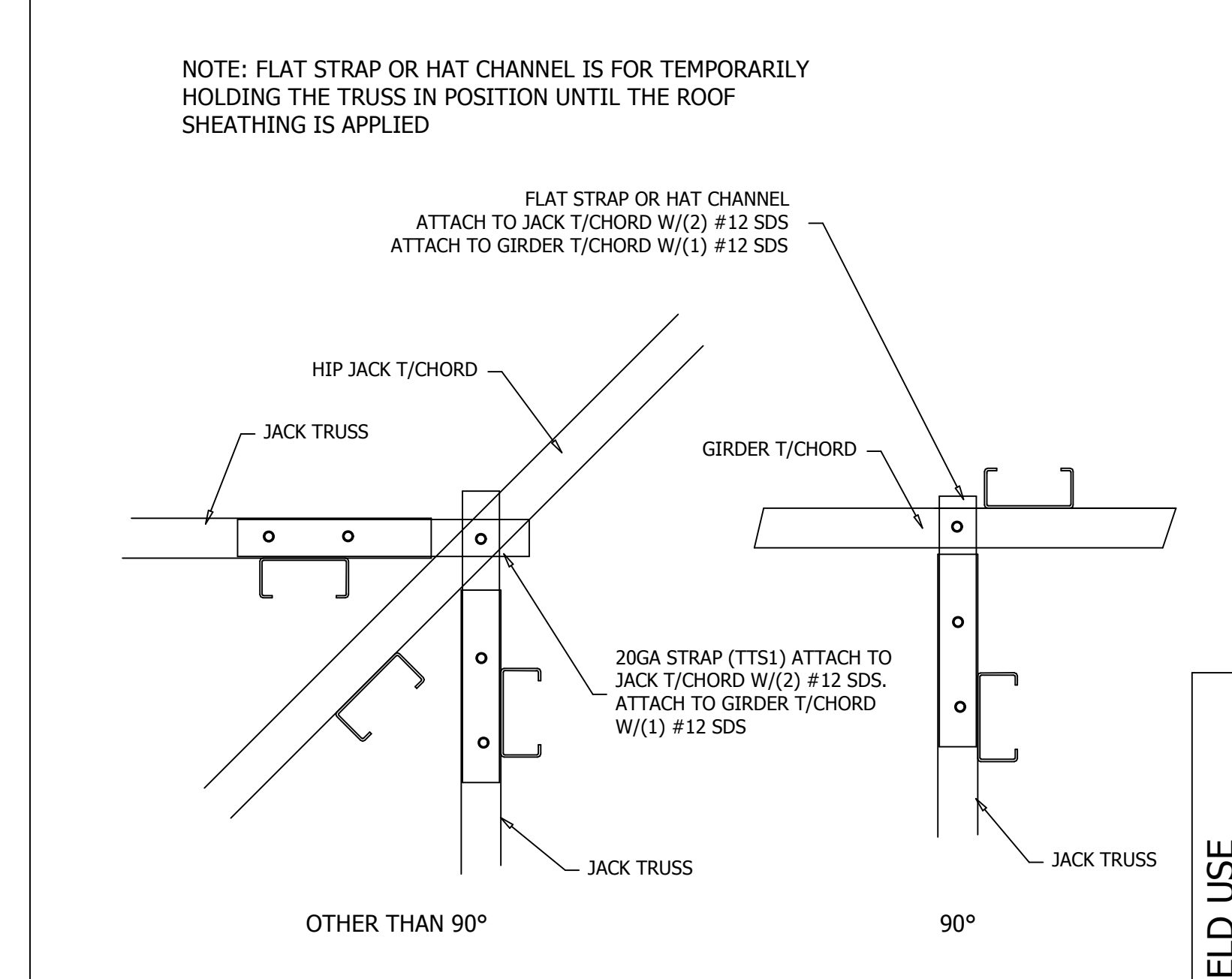
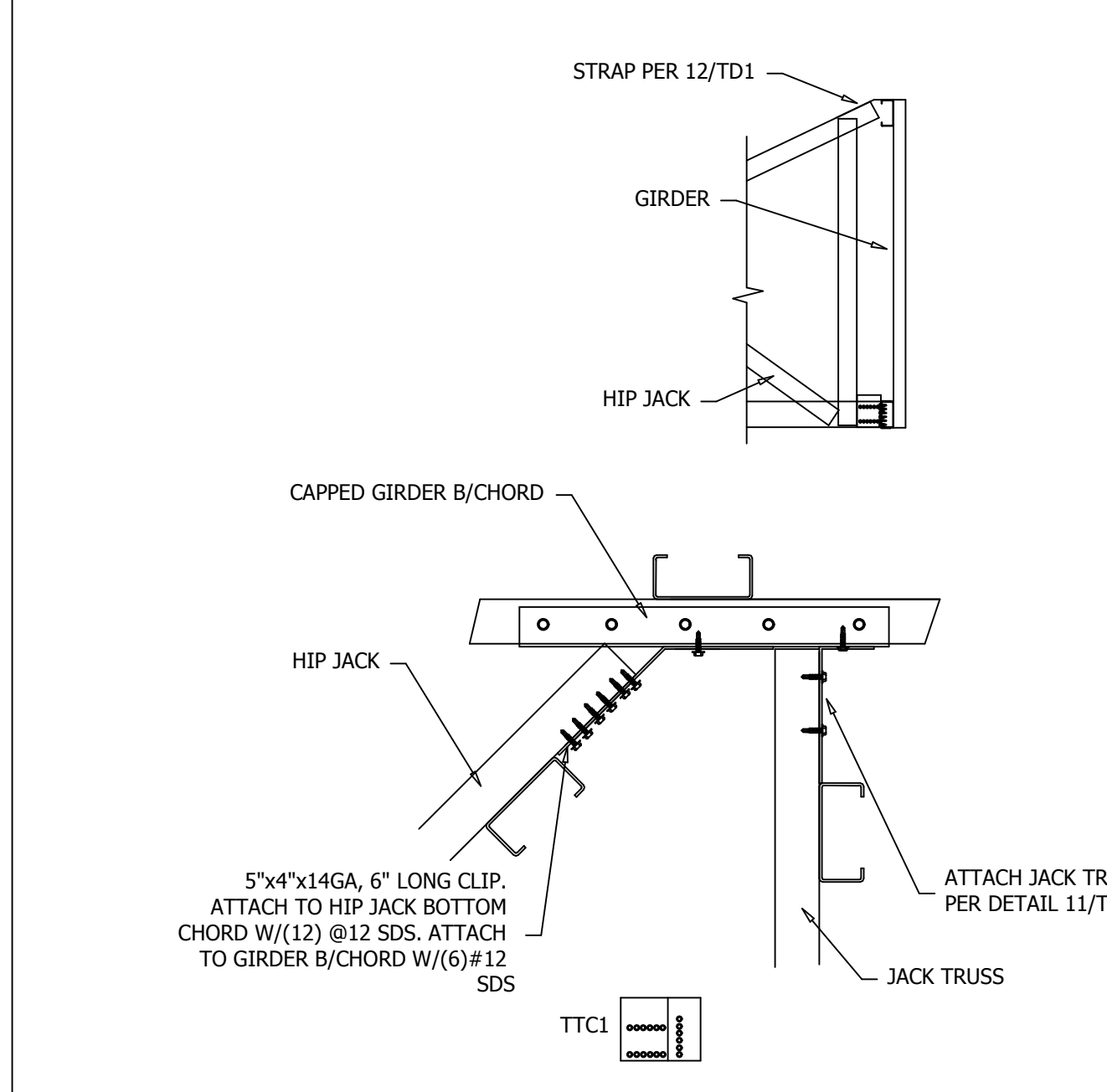
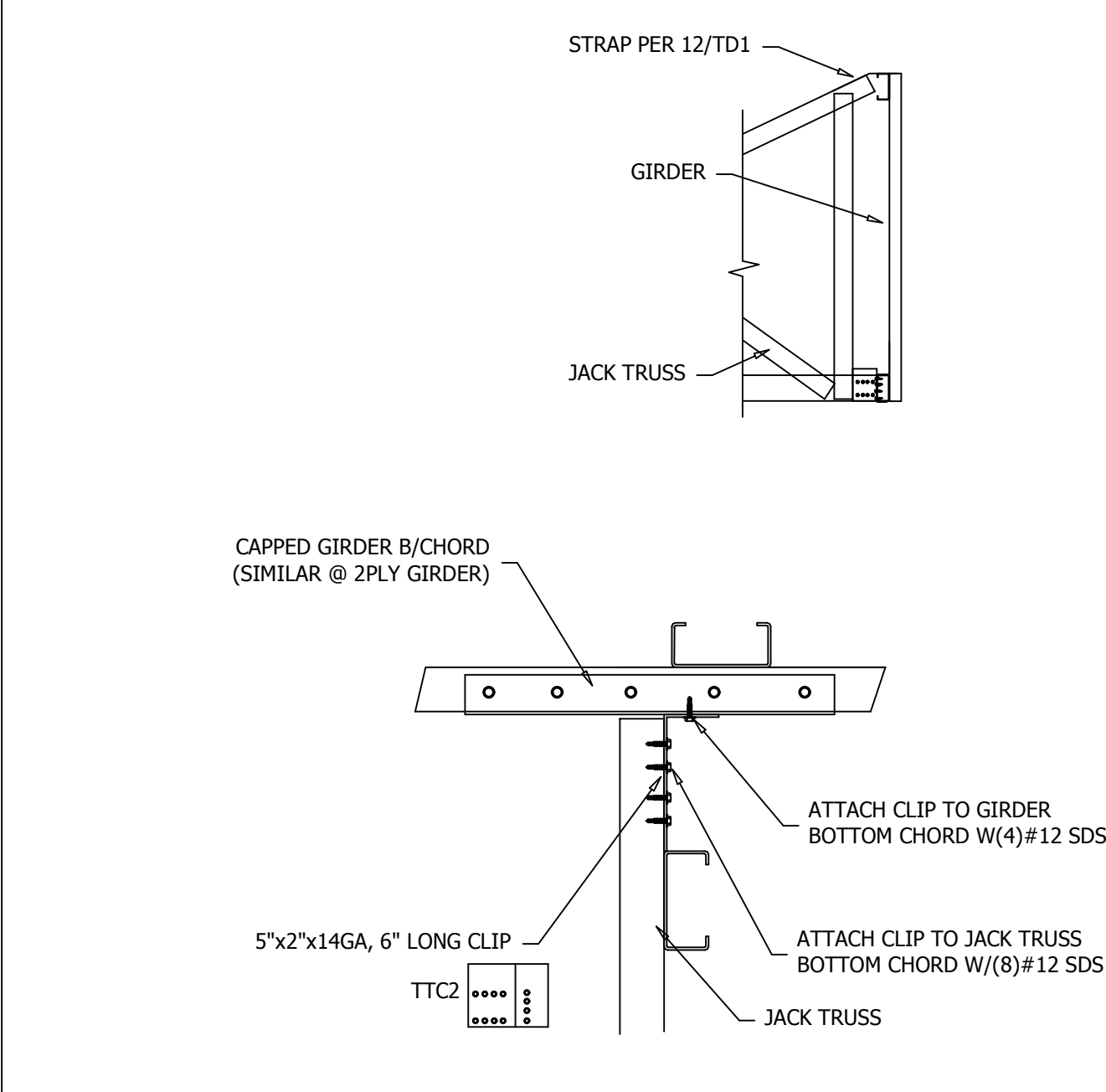
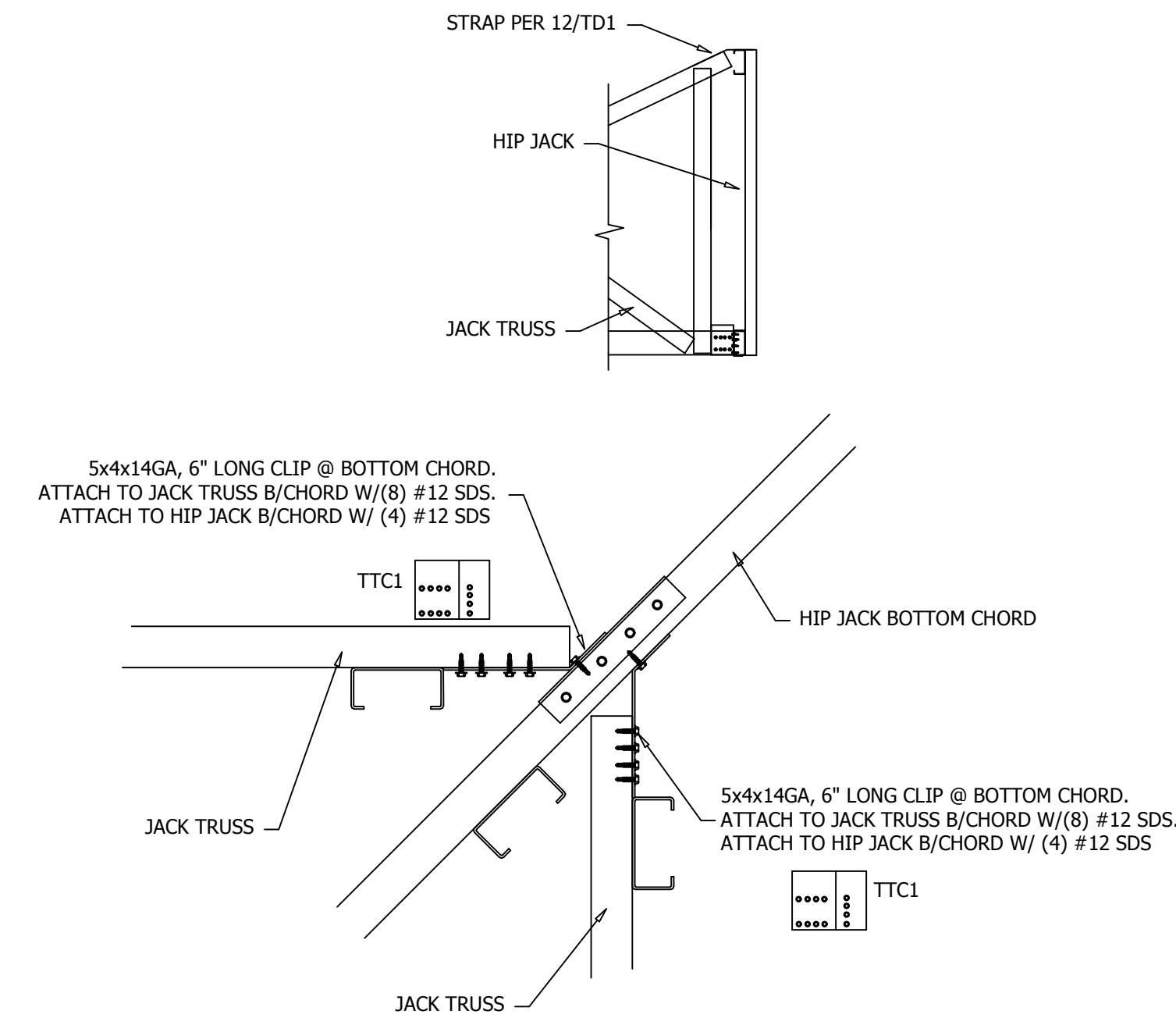


**5 LATERAL WEB BRACING CONNECTION DETAIL (TYP)**  
REF: --

**6 TOP CHORD BRACING CONNECTION DETAIL (TYP)**  
REF: --

**7 BRACING SPLICE CONNECTION DETAILS (TYP)**  
REF: --

**8 BENT ANGLE PLATE CONNECTION DETAILS (TYP)**  
REF: --



**9 JACK TRUSS TO HIP JACK CONNECTION DETAIL (TYP)**  
REF: --

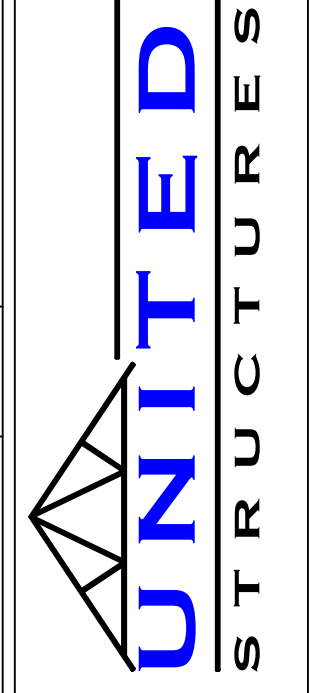
**10 90° JACK TRUSS TO GIRDER CONNECTION DETAIL (TYP)**  
REF: --

**11 HIP JACK TRUSS TO GIRDER CONNECTION DETAIL (TYP)**  
REF: --

**12 TRUSS TO TRUSS TOP CHORD CONNECTION (TYP)**  
REF: --

REVISIONS	DATE	BY

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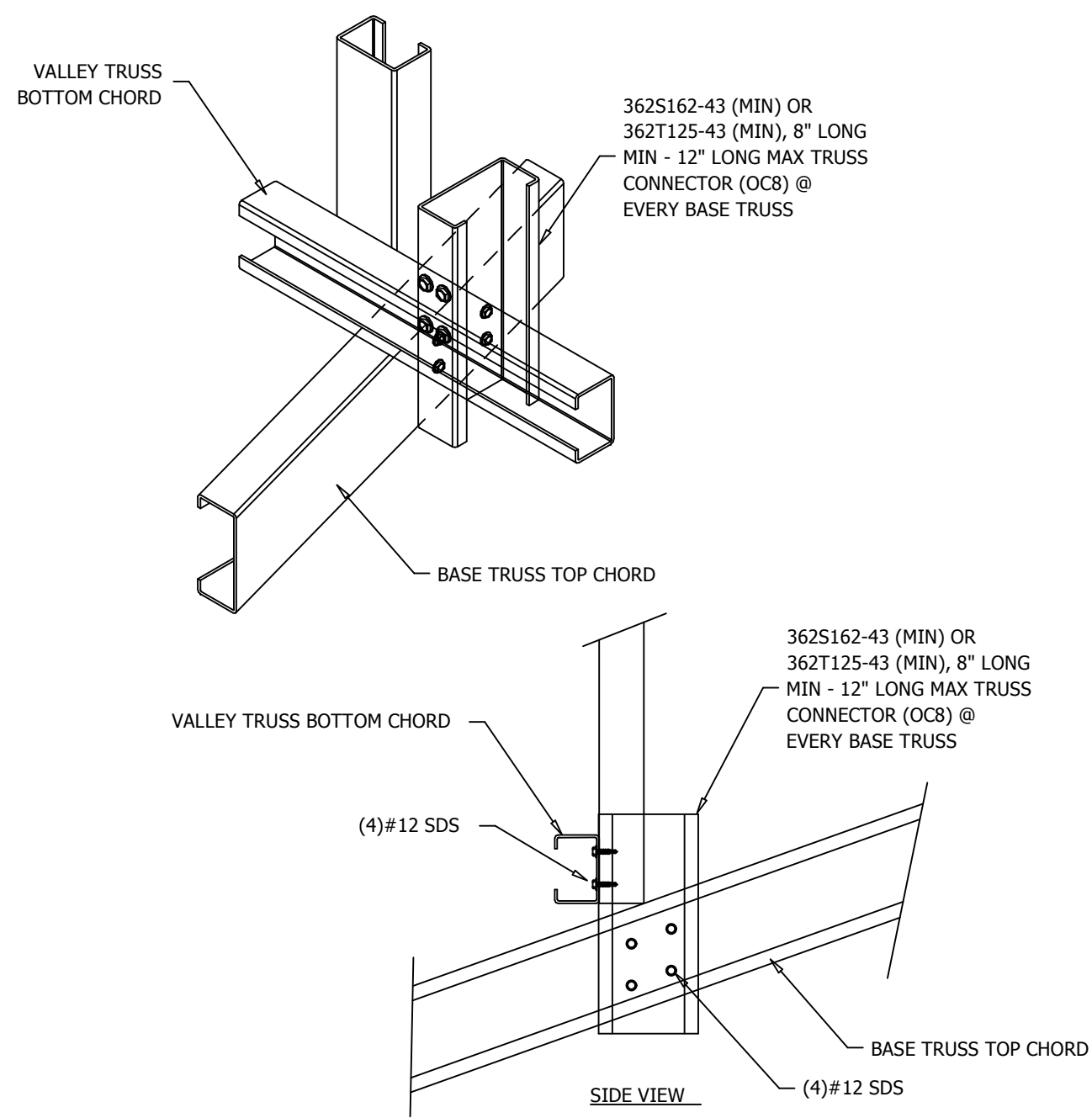


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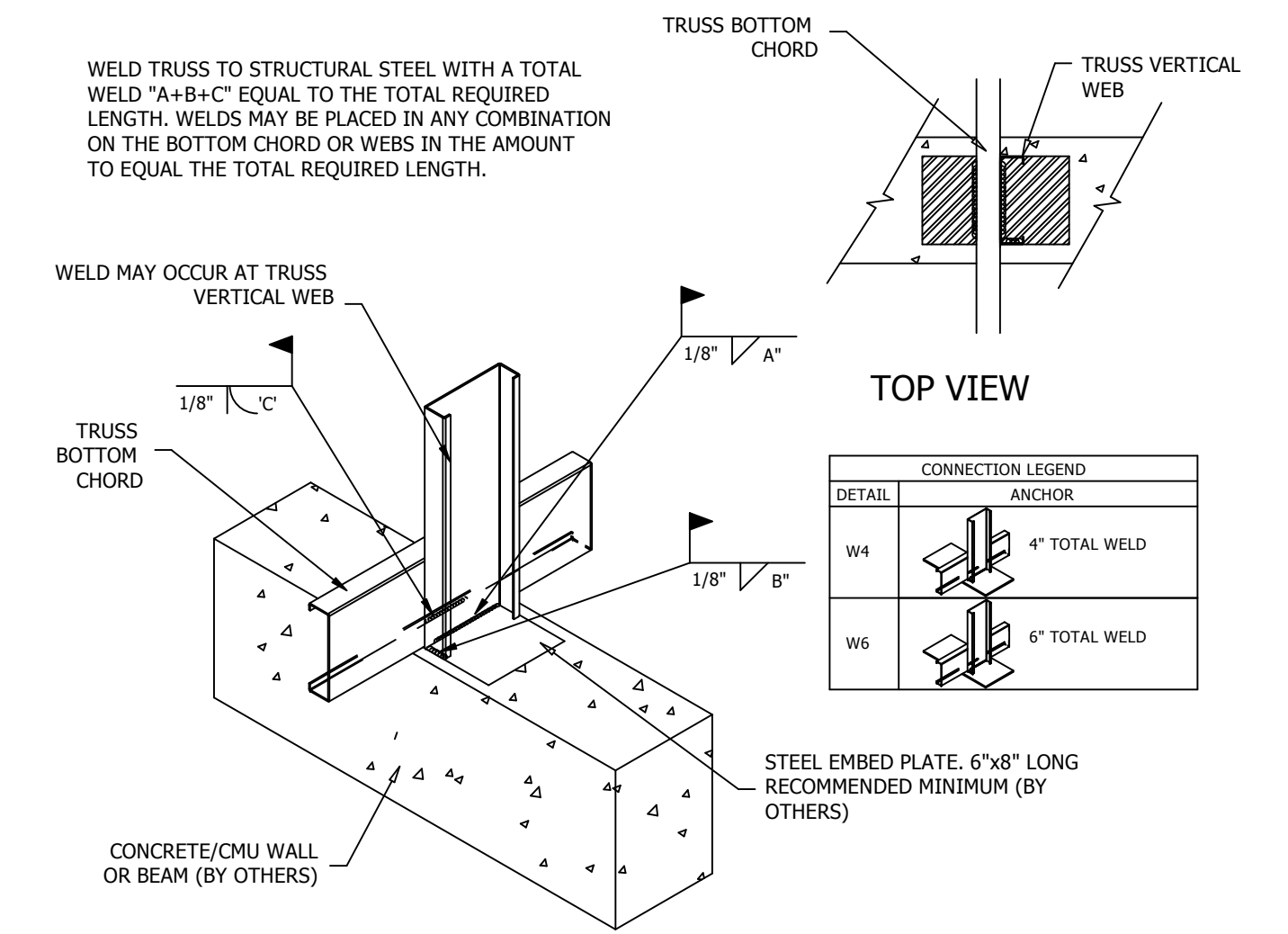
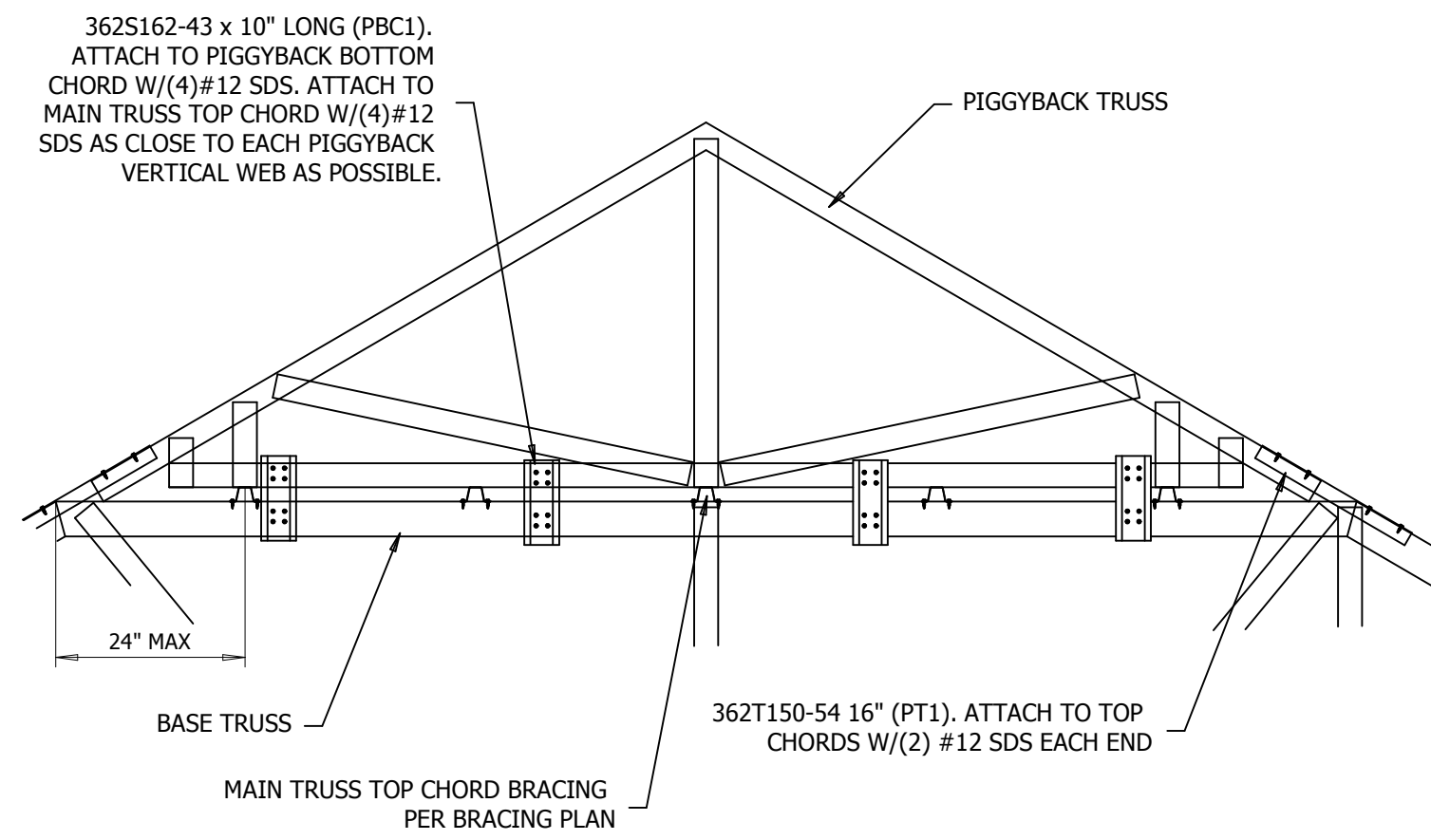
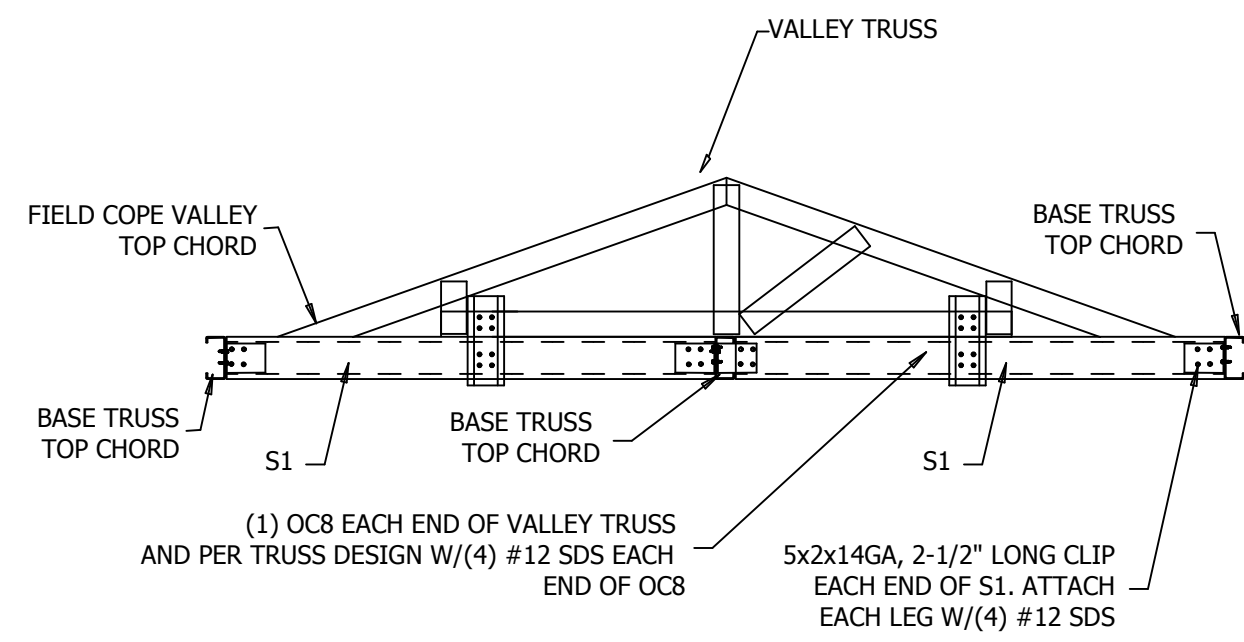
BEACH SIDE ELEMENTARY - NEW CAFETERIA  
SUNNY BEACH COUNTY PUBLIC SCHOOLS  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

FOR FIELD USE  
TYPICAL DETAILS  
SHEET TD1  
SHEET 11 OF 14



NOTES:  
 - ATTACH 362S162-54 STUD (S1) BETWEEN BASE TRUSS TOP CHORDS TO BASE TRUSS TOP CHORD W/ 5x2x14GA, 2-1/2\"/>

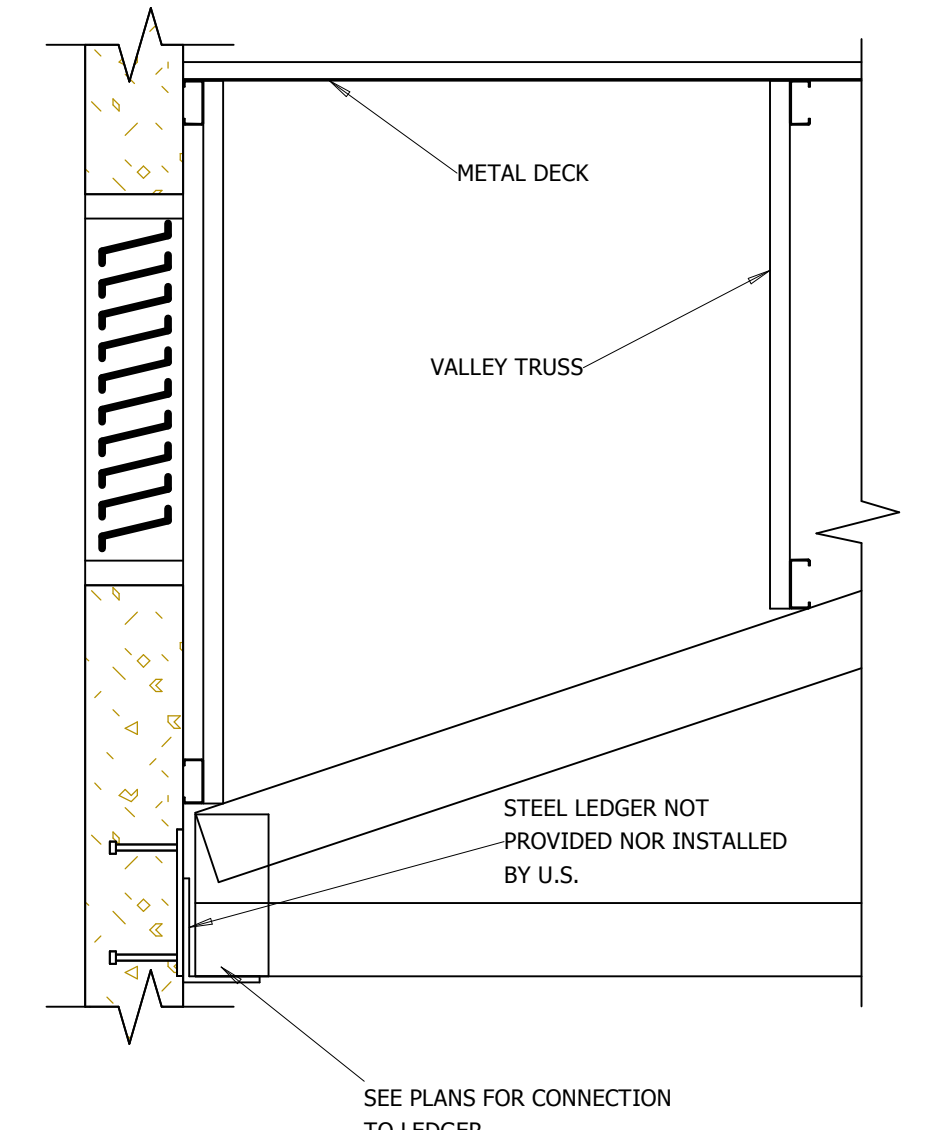
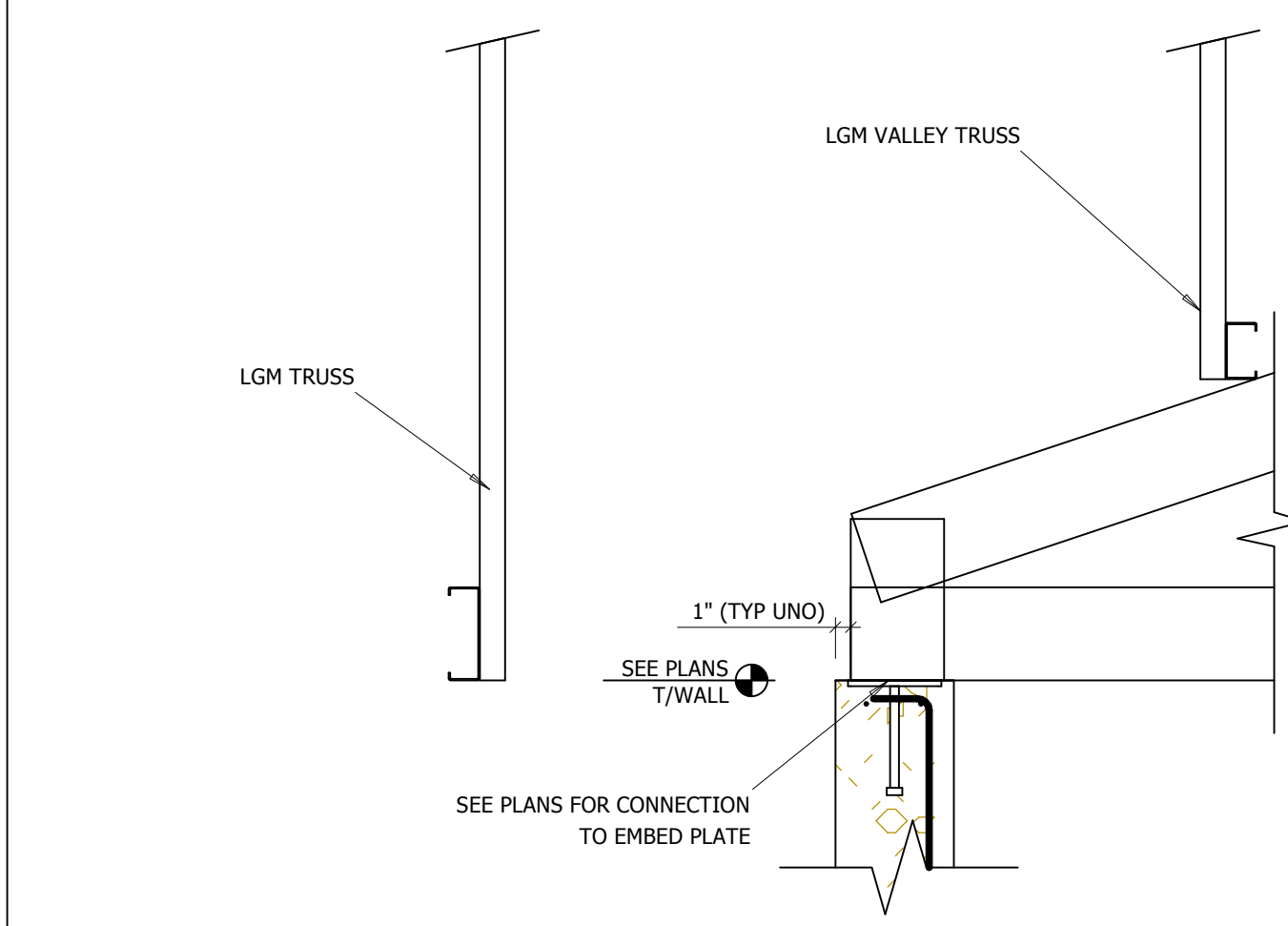
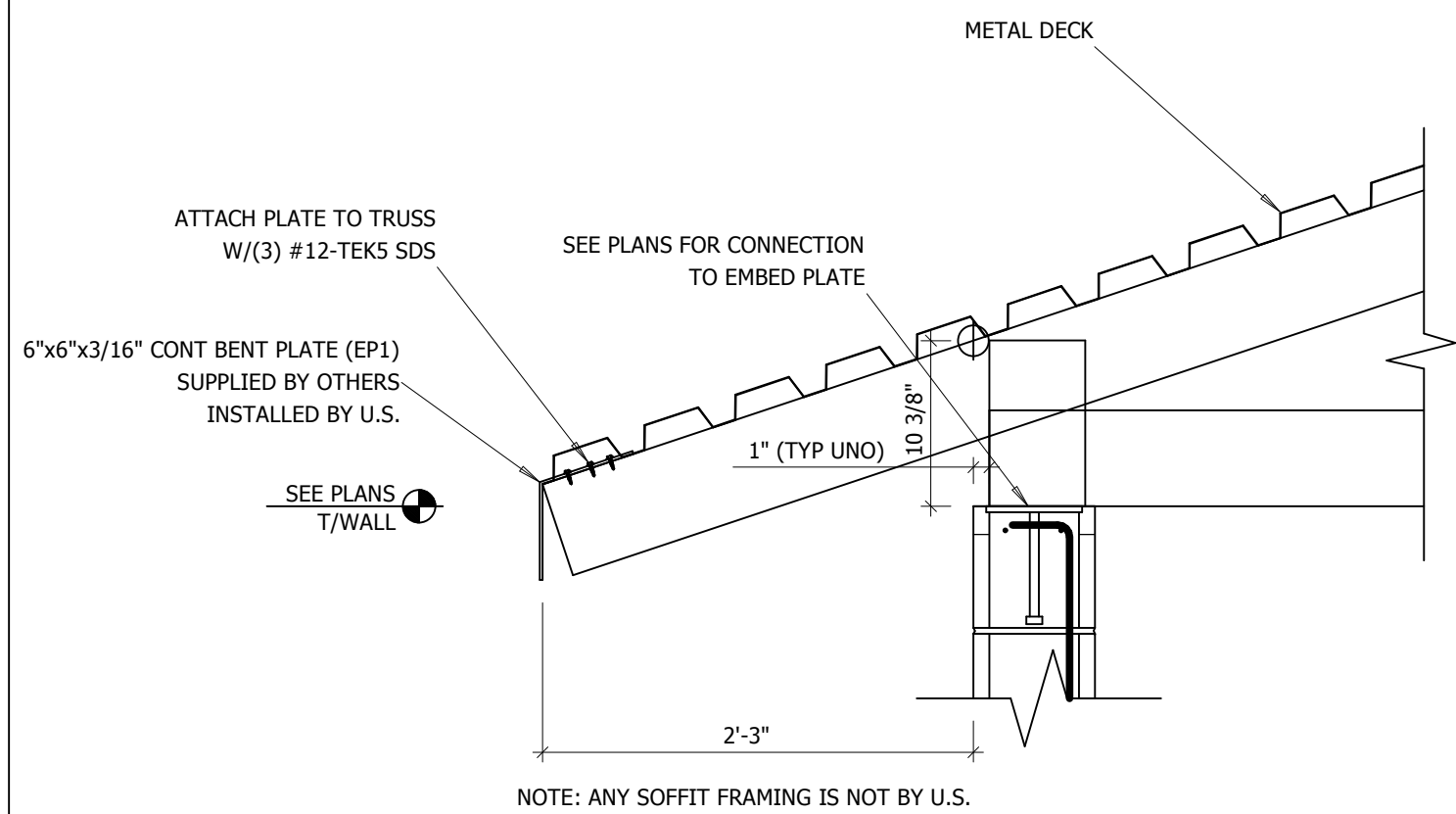
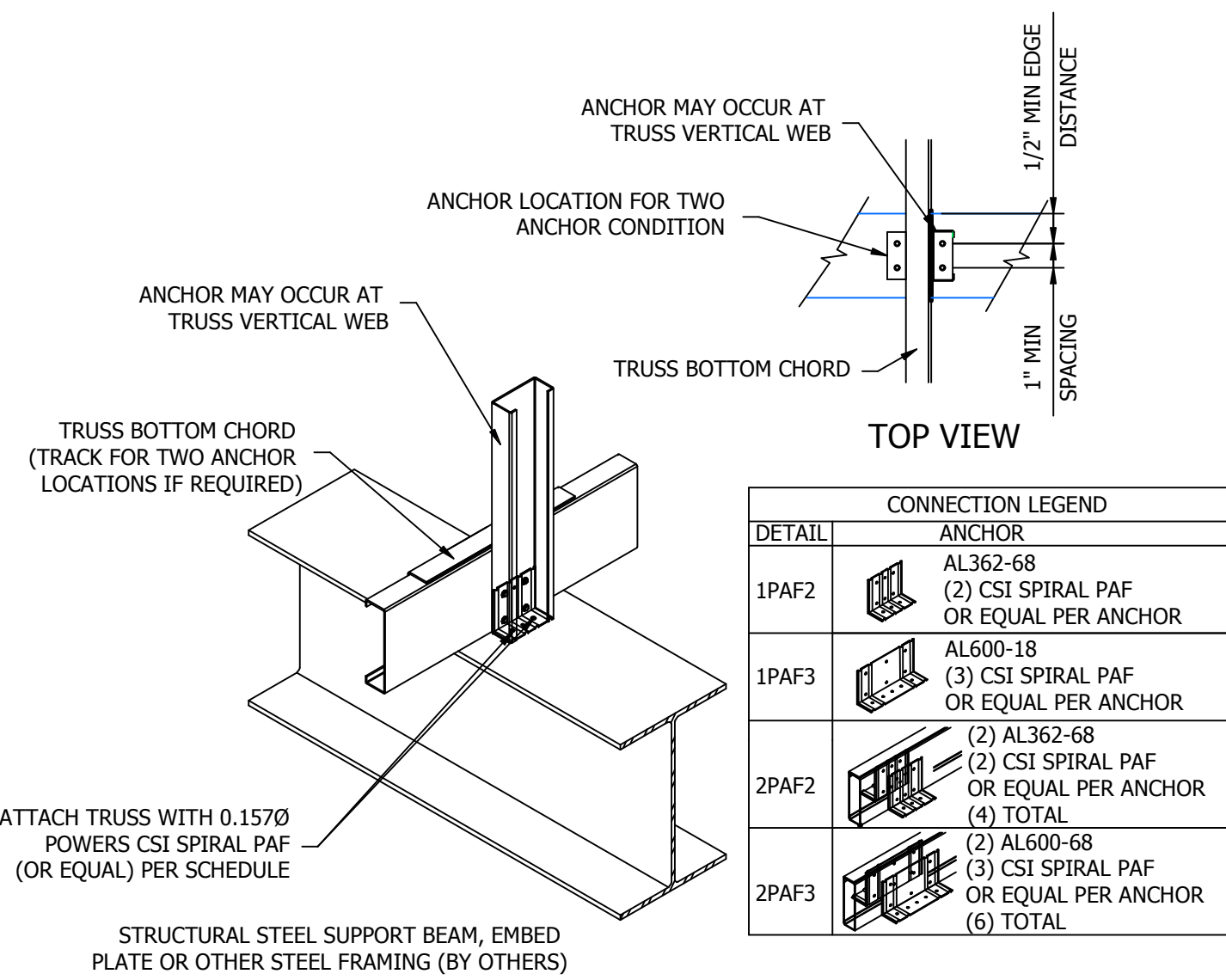


**1** VALLEY TRUSS TO BASE TRUSS CONNECTION (TYP)  
REF: --

**2** ALTERNATE VALLEY TRUSS TO BASE TRUSS CONNECTION  
REF: --

**3** PIGGYBACK PB1, PB2, PB3 TO MAIN TRUSS CONNECTION (TYP)  
REF: --

**4** WELDED TRUSS TO STEEL CONNECTION (TYP)  
REF: --

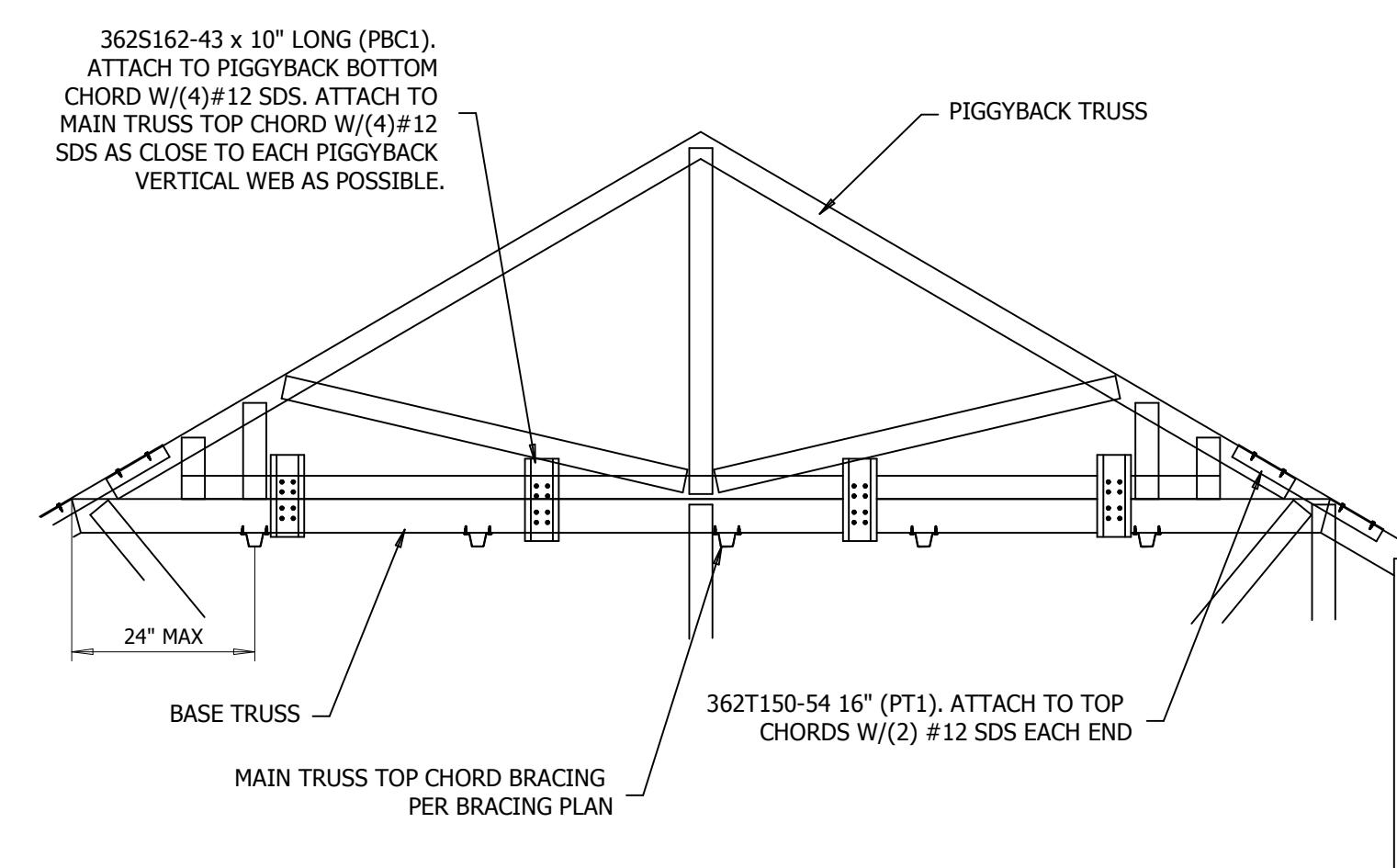
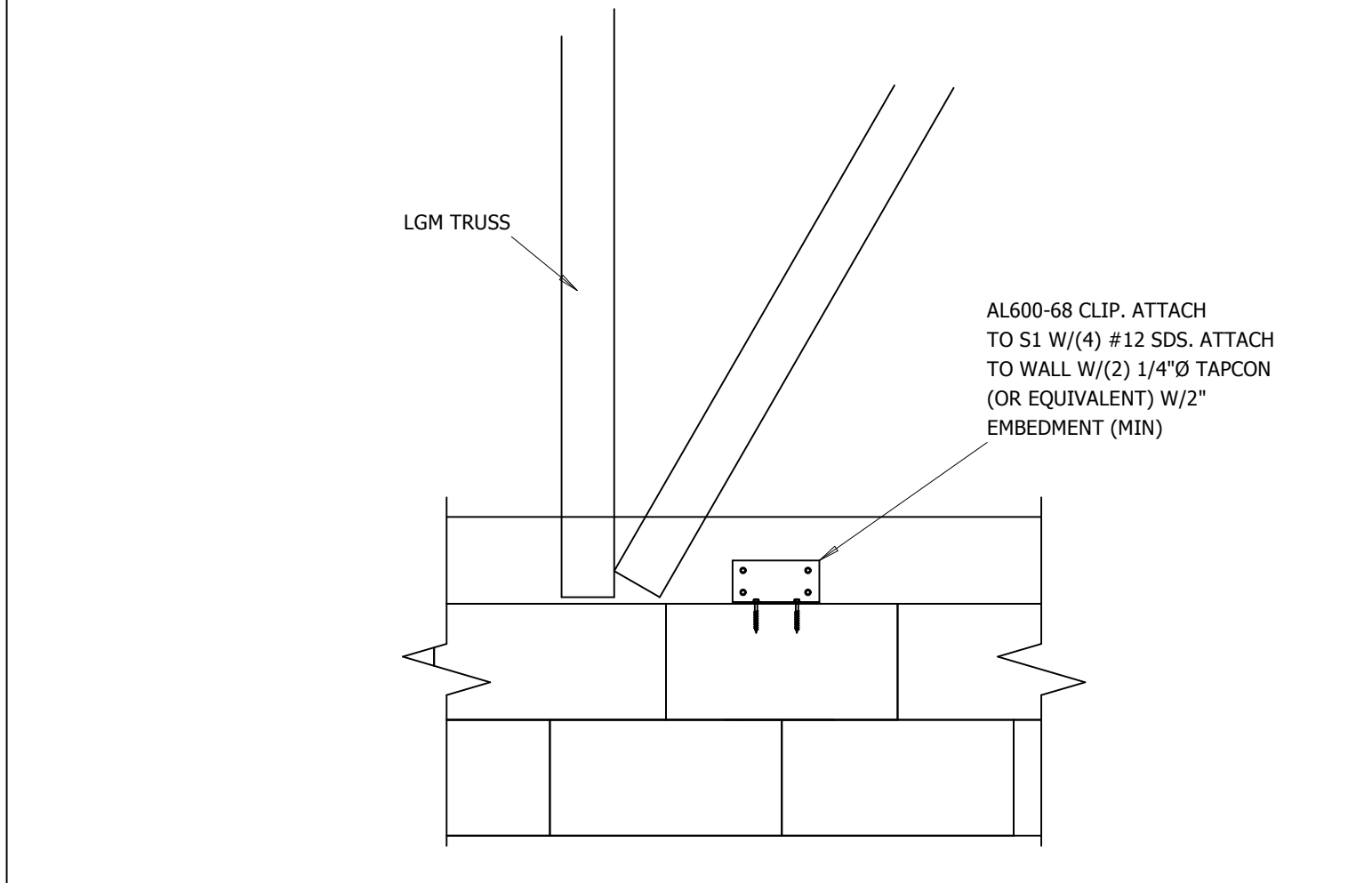
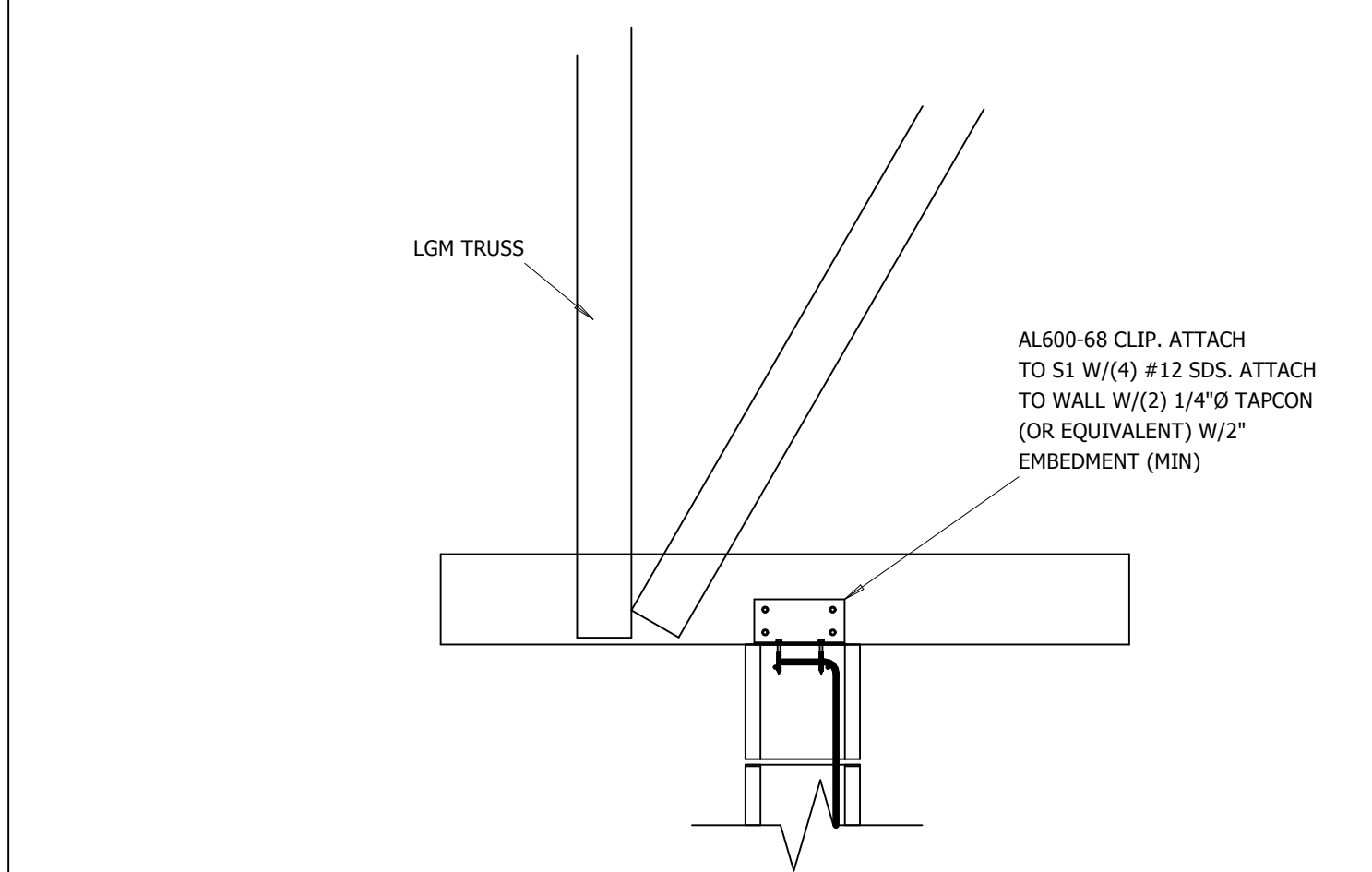
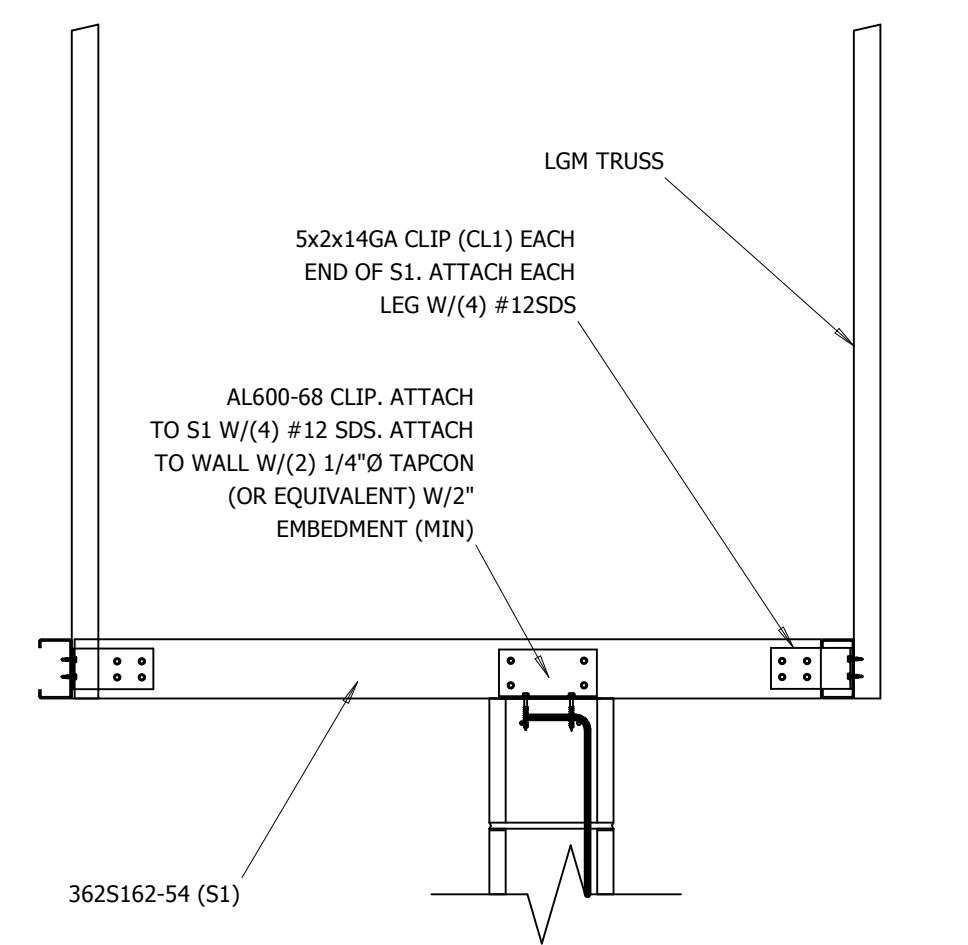


**5** TRUSS TO STEEL FOR INSTALLATION CONNECTION (TYP)  
REF: --

**6** SECTION @ EAVE (TYP)  
REF: 3/AC7.1, D7/S4.1

**7** SECTION @ WALL (TYP)  
REF: --

**8** SECTION @ WALL  
REF: D8/S4.5



**9** SECTION @ WALL  
REF: D6/S4.4

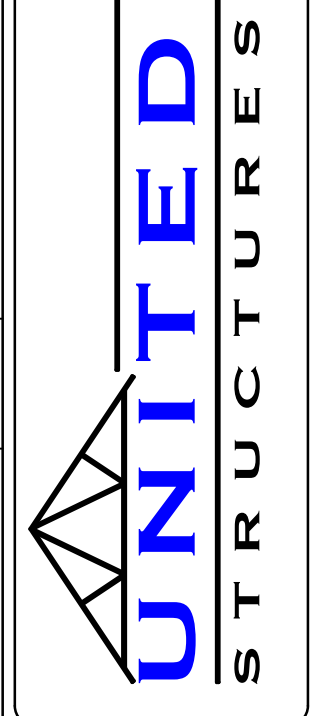
**10** SECTION @ WALL  
REF: D6/S4.4

**11** SECTION @ WALL  
REF: D6/S4.4

**12** PIGGYBACK PB4 TO MAIN TRUSS CONNECTION (TYP)  
REF: --

REVISION	DESCRIPTION	DATE	BY

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 PH: (229)233-0260  
 FAX: (229)377-7772

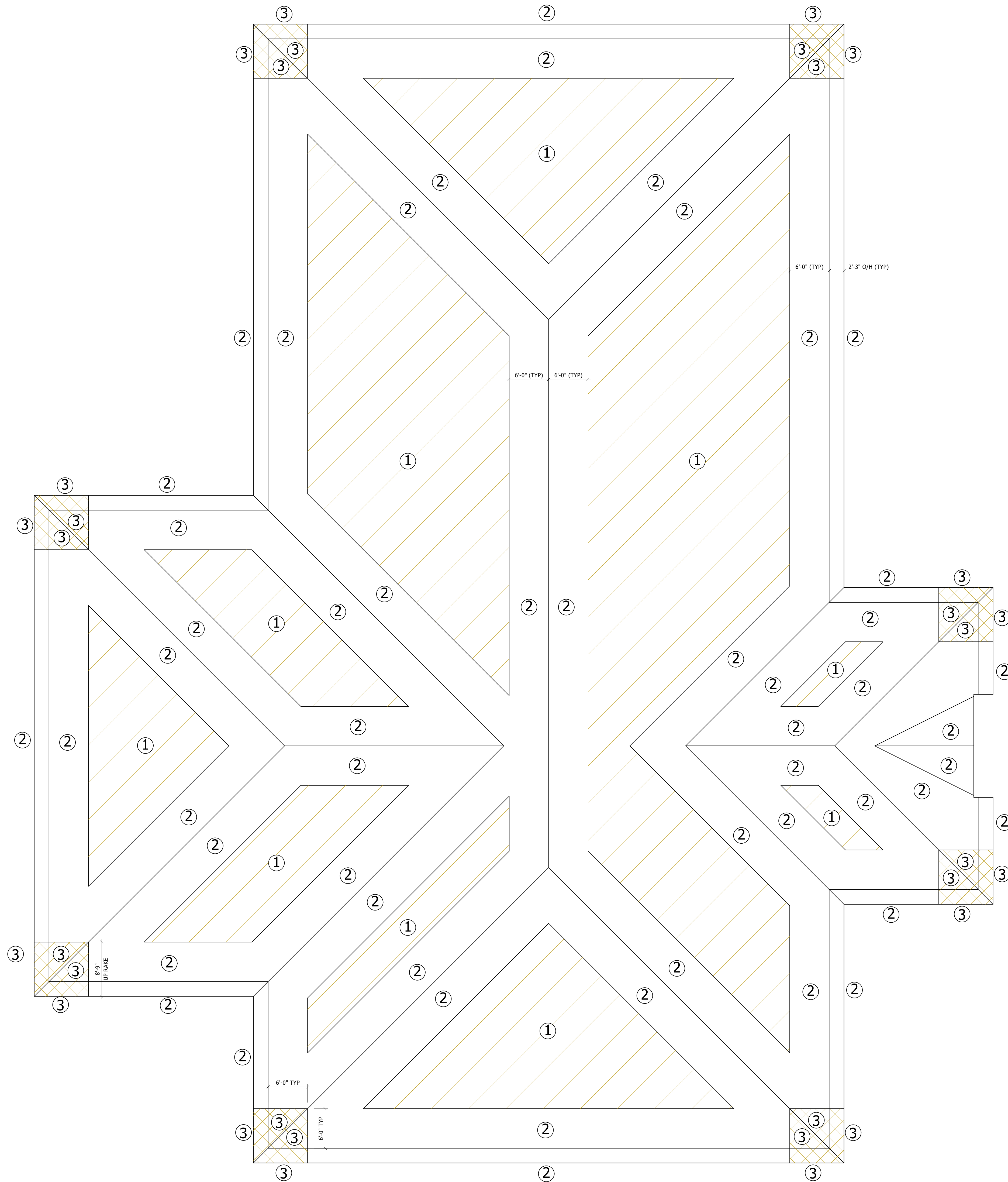


PREPARED FOR:  
 YOUR CONSTRUCTION COMPANY, LLC  
 HOME TOWN, FLORIDA XXXXX

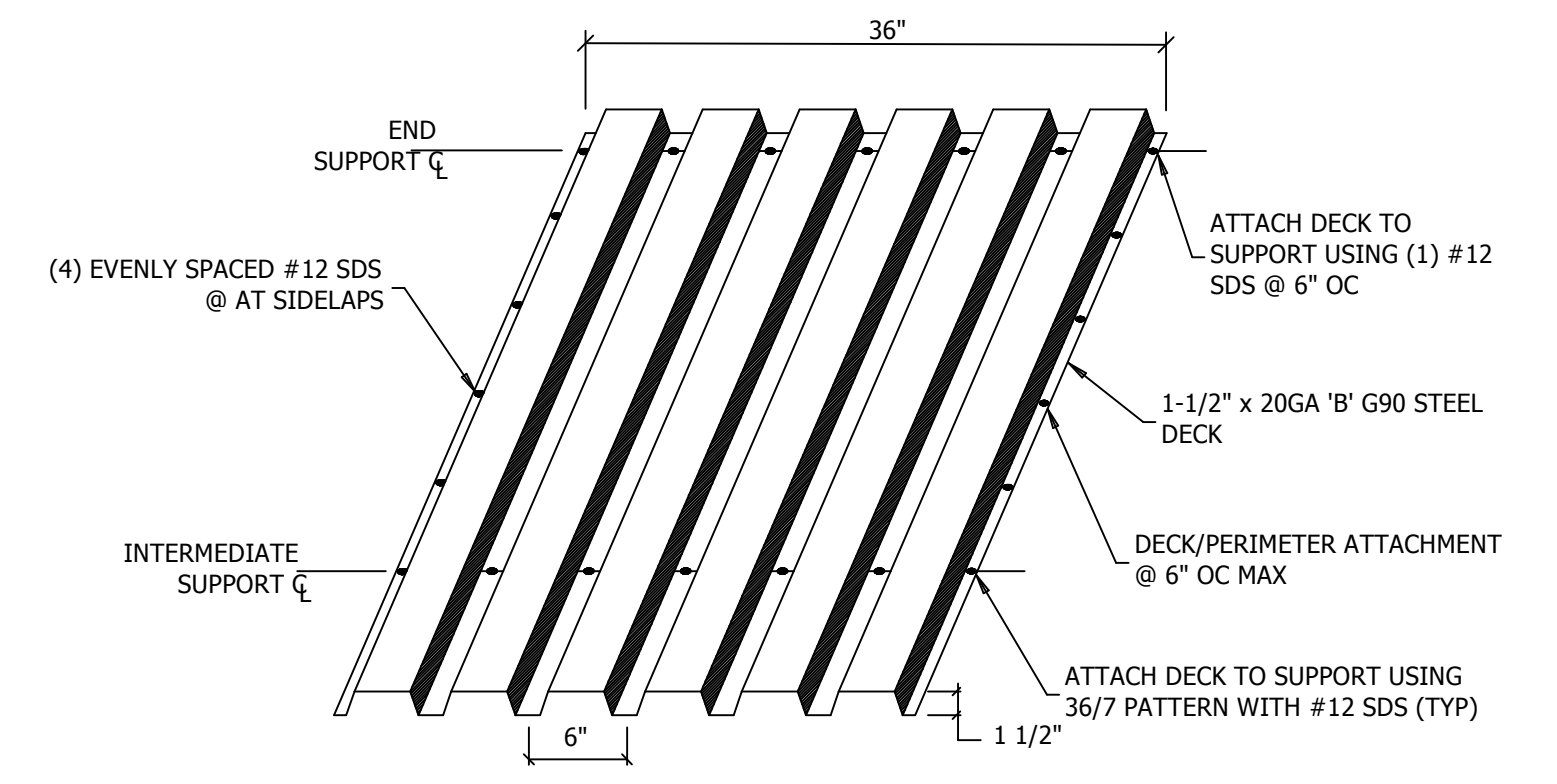
BEACH SIDE ELEMENTARY - NEW CAFETERIA  
 SUNNY BEACH COUNTY PUBLIC SCHOOLS  
 1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
 DRAWN BY: ERH  
 CHECKED BY: MG  
 DATE: 08/05/2020

FOR FIELD USE  
 DETAILS & SECTIONS  
 SHEET  
**TD2**  
 SHEET 12 OF 14

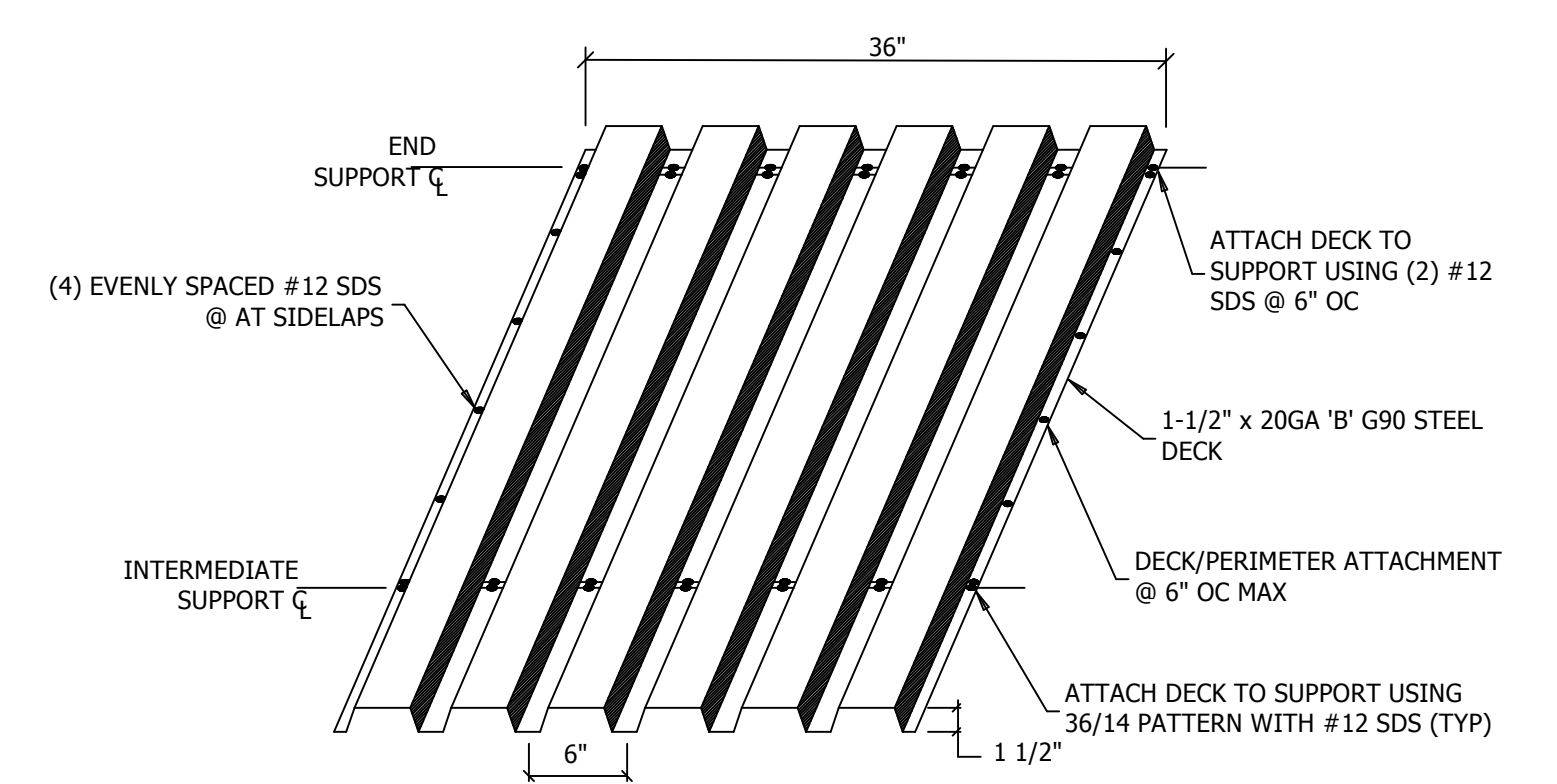


ROOF DECK ATTACHMENT PLAN



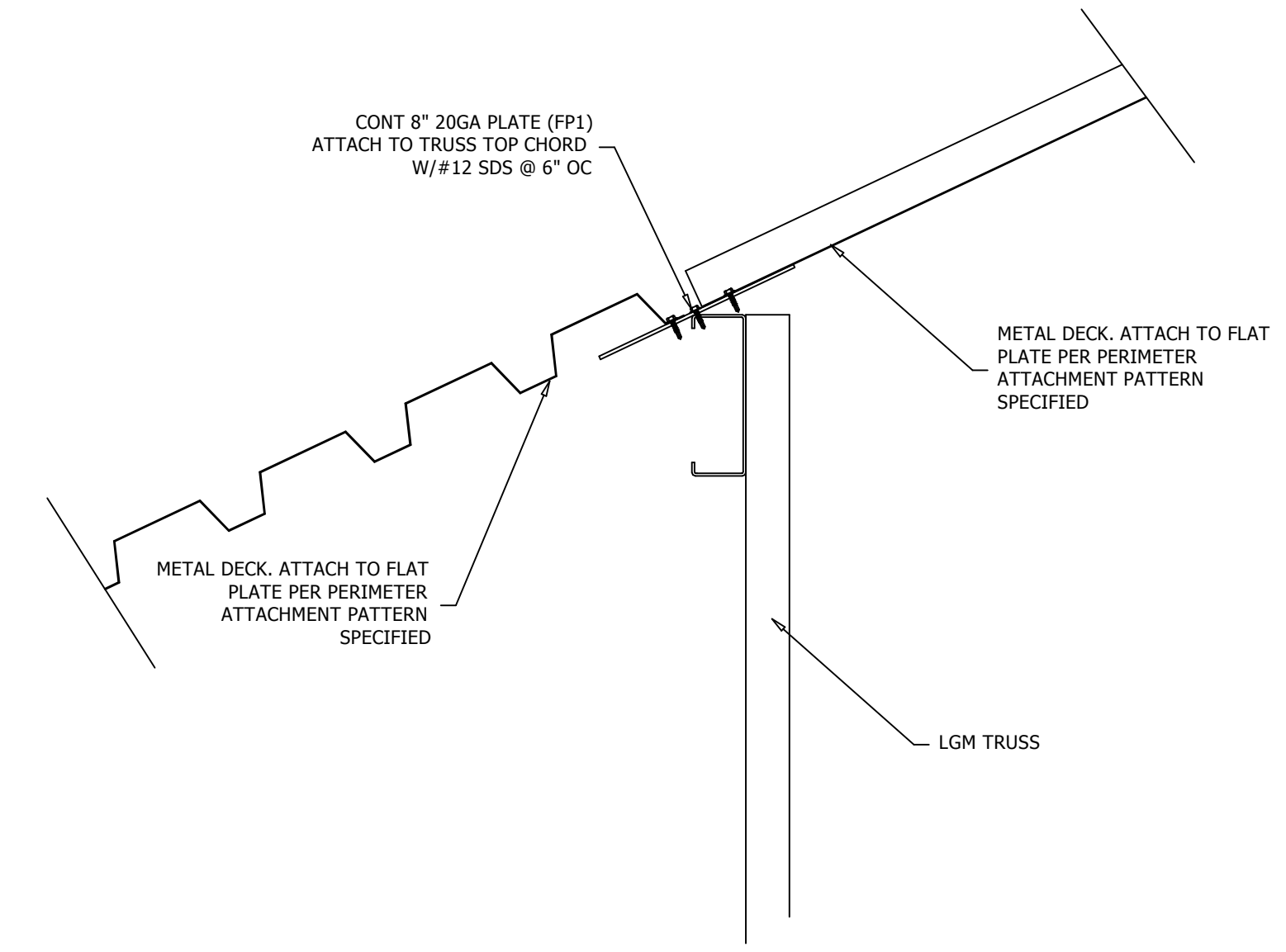
NOTE:  
 1. USE #12 SDS AT ALL SUPPORTS.  
 2. USE #12 BETWEEN SUPPORTS.  
 3. ALL ENDLAPS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS.  
 4. DECK ATTACHMENT PATTERN TO BE S.D.I. 36/7.  
 5. DECK IS SUPPLIED IN 24'-3" LENGTHS TO BE FIELD CUT AS REQUIRED.

METAL DECK ATTACHMENT ZONES 1 & 2  
 REF: 16/S.02

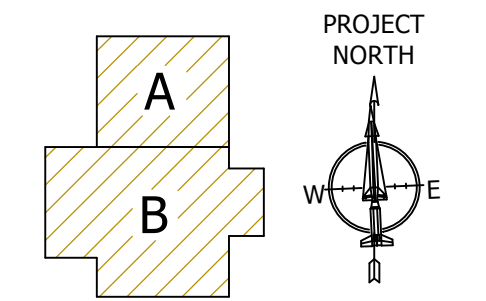


NOTE:  
 1. USE #12 SDS AT ALL SUPPORTS.  
 2. USE #12 BETWEEN SUPPORTS.  
 3. ALL ENDLAPS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS.  
 4. DECK ATTACHMENT PATTERN TO BE S.D.I. 36/14.  
 5. DECK IS SUPPLIED IN 24'-3" LENGTHS TO BE FIELD CUT AS REQUIRED.

METAL DECK ATTACHMENT ZONES 3  
 REF: 16/S.02

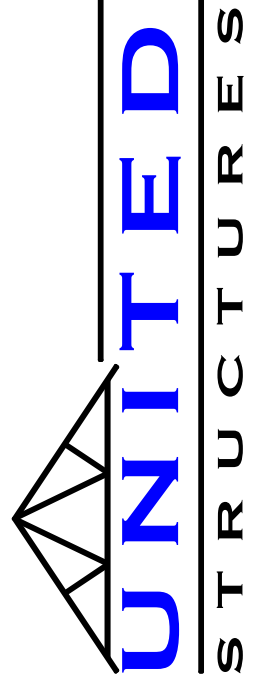


1 DECK CHANGE OF DIRECTION ATTACHMENT (TYP)  
 REF: --



REVISION	DESCRIPTION	DATE	BY
1	ISSUED FOR FIELD USE	08/05/2020	ERH

153 WIGHT ROAD  
 CAIRO, GA 39828  
 PH (229)233-0260  
 FAX (229)377-7772

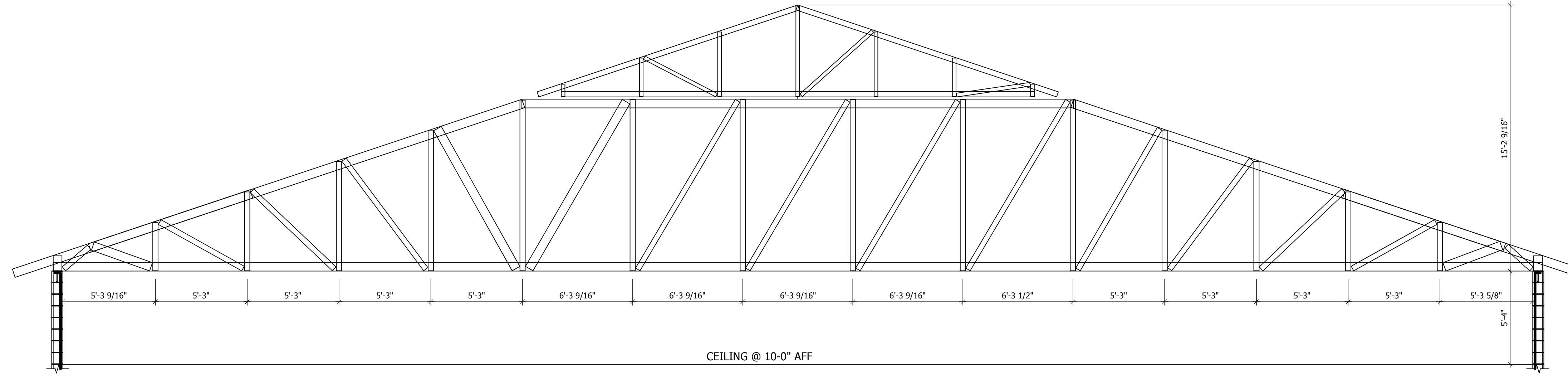


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 HOME TOWN  
 FLORIDA XXXXX

EASTSIDE ELEMENTARY - NEW CAFETERIA  
 POLK COUNTY PUBLIC SCHOOLS  
 1820 MAIN AVENUE EAST - HOME TOWN, FL XXXXX

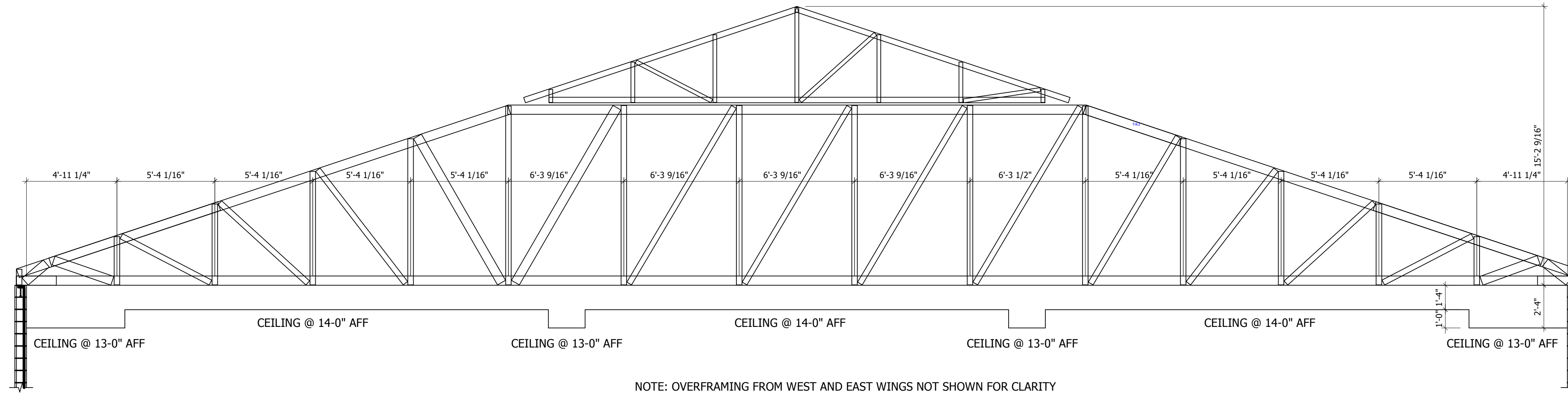
PROJECT # 0207-20  
 DRAWN BY: ERH  
 CHECKED BY: MG  
 DATE: 08/05/2020

FOR FIELD USE  
 ROOF DECK ATTACHMENT PLAN  
 AREA A & B  
 SHEET DL1  
 SHEET 14 OF 14



1

BUILDING SECTION  
REF: 4/AC4.1



2

BUILDING SECTION  
REF: 3/AC4.1

3

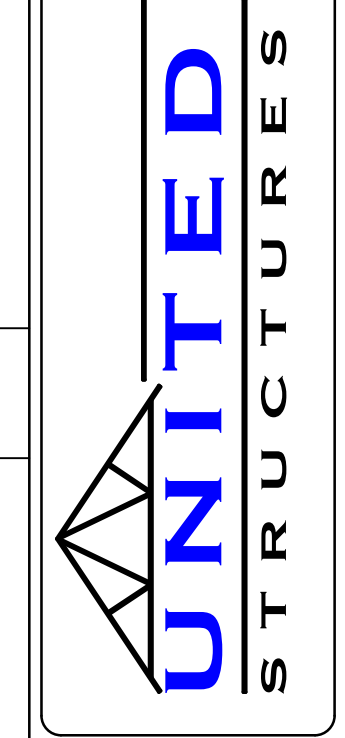
4

5

6

REVISION	DESCRIPTION	DATE	BY

153 WIGHT ROAD  
CAIRO, GA 39828  
PH (229)233-0260  
FAX (229)377-7772



PREPARED FOR:  
YOUR CONSTRUCTION  
COMPANY, LLC  
HOME TOWN  
FLORIDA XXXXX

BEACH SIDE ELEMENTARY - NEW CAFETERIA  
SUNNY BEACH COUNTY PUBLIC SCHOOLS  
1820 MAIN AVENUE EAST - SUNNY BEACH, FL XXXXX

PROJECT # 0207-WEB  
DRAWN BY: ERH  
CHECKED BY: MG  
DATE: 08/05/2020

FOR FIELD USE

SECTIONS

SHEET  
**TD3**  
SHEET 13 OF 14