LEONARD BUILDINGS

DBA COOK PORTABLE WAREHOUSES
100 DOUGLAS ST. VALDOSTA, GA 31601
132 CENTRAL INDUSTRIAL ROW, PURVIS, MS 39475
1398 HWY 95 NORHT, BASTROP, TX 78602

TIEDOWN PLANS

STATE OF FLORIDA

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DETAIL AND DIMENSIONS. ANY DISCREPANCIES BETWEEN SUCH DETAILS AND DIMENSIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION PROCEDURE AND SEQUENCE TO INSURE THE INTEGRITY OF THE BUILDING AND ITS COMPONENT PARTS DURINGCONSTRUCTION.
- 4. THESE PLANS HAVE BEEN PREPARED PER REGULATIONS OF THE 2023 FLORIDA BUILDING CODE 8TH EDITION. THE WORK OF ALL CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE AFOREMENTIONED CODE. NO DEVIATIONS FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT THE ENGINEERS WRITTEN CONSENT A COPY OF WHICH WILL BE FILED WITH THE CONSTRUCTION OFFICIAL.
- ANY CHANGES TO OR DEVIATIONS FROM THESE DRAWINGS SHALL NOT BE MADE WITHOUT WRITTEN CONSENT FROM THE ENGINEER.
- THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE USED WITHOUT HIS CONSENT. DRAWINGS SHALL NOT BE USED FOR ISSUE OF BUILDING PERMIT UNLESS SIGNED AND SEALED BY THE ENGINEER.
- 7. THE OWNER AND THE CONTRACTOR SHALL HOLD HARMLESS THE ENGINEER FROM AND AGAINST ALL LIABILITY CLAIMS, DAMAGES, LOSSES, AND EXPENSES INCLUDING LEGAL FEES ARISING OUT OF OR RESULTING FROM ERRORS OR OMISSIONS IN THE PERFORMANCE OF THE WORK BY THE CONTRACTOR. THE DRAWINGS SHOW THE GENERAL ARRANGEMENTS AND EXTENT OF THE WORK. AS THE WORK PROGRESSES, THE OWNER AND THE CONTRACTOR, AT NO EXTRA COSTS, SHALL MAKE THE MODIFICATIONS TO MAKE THE PARTS ALIGN.
- 8. ALL WORK AND MATERIALS SHALL MEET THE REQUIREMENTS OF LOCAL AND STATE CODES AND THE SPECS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. CONTRACTORS SHALL CHECK AND VERIFY ALL PLAN DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION. HE SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CORRECTION PRIOR TO BEGINNING ANY WORK. THE DISCOVERY OF DISCREPANCIES AFTER THE BEGINNING OF WORK WILL BE EVIDENCE OF FAULTY WORK. AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DO NOT SCALE DRAWINGS. ALL WRITTEN DIMENSIONS GOVERN.
- 9. THE CONTRACTOR FOR THIS PROJECT SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE TOTAL PROJECT. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL MATERIALS. TOOLS, EQUIPMENT, LABOR, MACHINERY, TRANSPORTATION, HEAT, WATER, UTILITIES, AND ALL OTHER FACILITIES AND SERVICES REQUIRED FOR THE SAFE AND PROPER EXECUTION AND COMPLETION OF THE WORK.
- 10. THE DOCUMENTS SHOW AN OVERVIEW OF THE WORK REQUIRED UNDER THIS CONTRACT AND RELATED REQUIREMENTS AND CONDITIONS THAT WILL IMPACT THE PROJECT. ALL DRAWINGS ARE COMPLIMENTARY. THE DRAWINGS GENERALLY SHOW THE INTENT OF THE OVERALL COMPLEXITY AND CONCEPTS OF THE PROJECT, AND DO NOT NECESSARILY SHOW ALL DETAILS AND CONDITIONS. ALL NEW INTERIOR CONCRETE SLABS AND FOUNDATION WALLS AND FOOTINGS SHALL HAVE SOIL POISONING UNDER NEW WORK AND SHALL BE INSTALLED BY A LICENSED CONTRACTOR.
- 11. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND DEPARTMENT OF AGRICULTURE, STRUCTURAL PEST CONTROL DIVISION REGULATIONS, RULES DEFINITIONS AND REQUIREMENTS.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND MAINTAINING ALL EXISTING SETBACKS, EASEMENTS, AND ANY DEED RESTRICTIONS.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEANUP AND SHALL INCLUDE THE SITE, AND THE BUILDING. THE ENTIRE PROJECT SHALL BE LEFT IN A NEW, CLEAN CONDITION.
- 14. TIEDOWNS SHOWN INCLUDING STRAP AND ANCHOR, AND BEARING PADS ARE BASED ON AN ALLOWABLE BEARING PRESSURE OF 2500 PSF. ANY SOIL CONDITIONS THAT MAY DIFFER FROM THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 15. THE CONTRACTOR IS RECOMMENDED TO USE A SOIL TEST PROBE TO DETERMINE THE SOIL CLASS. WHERE SUCH TESTING IS NOT CONDUCTED, IT IS RECOMMENDED TO USE A 60" GALVANIZED ANCHOR WITH STABILIZER PLATE.
- 16. CONCRETE PADS UNDER SKIDS ARE OPTIONAL AND SHALL BE LOCATED ON UNDISTURBED SOIL OR PROPERLY COMPACTED FILL MATERIAL. COMPACTED SOIL SHALL BE TESTED TO A MINIMUM OF 95% PROCTOR IN ACCORDANCE WITH ASTM D1557. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL.
- 17. FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. PROVISIONS SHALL BE MADE TO PREVENT SOIL EROSION UNDER THE PAD AND DIRECT WATER AWAY FROM IT.

Shee	et Index
SHEET NUMBER	SHEET TITLE
F-1	TIEDOWN GENERAL NOTES
F-2	TIEDOWN SCHEDULE FOR EXPOSURE B
F-3	TIEDOWN SCHEDULE FOR EXPOSURE C
F-4	GROUND ANCHOR SCHEDULE
F-5	TIEDOWN SECTIONS
F-6	OPTIONAL PAD DETAILS
F-7	ALTERNATE FOUNDATION DETAIL

FL PE #: 50421
Fl COA #: 30468
Engineer. #keill Bice

12/19/23

1552 6TH ST., WINTER HAVEN, FL 33880
(863)865-6502

FL PE Name: Kent M. Bice

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GENERAL NOTES

DATE: 12/20/23 DRAWN BY: RD
SCALE: AS NOTED CHECKED BY: KMB

SHEET:

F-1

SHEET 1 OF 8

TIEDOWN SCHEDULE FOR 111 TO 130 MPH WIND SPEED, EXPOSURE "B"													
BLDG	NUMBER OF TIEDOWNS PER OUTER SKID BY BUILDING LENGTH (FT)												
WIDTH	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0	26'-0"	28'-0"	30'-0"	32'-0"
7'-11" 1/2"	2	2	2	2	2	2	2	2	2	N.A.	N.A.	N.A.	N.A.
9'-11" 1/2"	2	2	2	2	2	2	2	2	2	2	2	2	N.A.
11'-0"	2	2	2	2	2	2	2	2	2	2	2	2	2

TIEDO	TIEDOWN SCHEDULE FOR 131 TO 160 MPH WIND SPEED, EXPOSURE "B"													
BLDG														
WIDTH	8'-0"	8'-0" 10'-0" 12'-0" 14'-0" 16'-0" 18'-0" 20'-0" 22'-0" 24'-0 26'-0" 28'-0" 30'-0" 32'-0"												
7'-11" 1/2"	'-11" 1/2" 2 2 2 2 2 2 3 3 3 N.A. N.A. N.A. N.A.													
9'-11" 1/2"	9'-11" 1/2" 2 2 2 2 2 2 2 3 3 3 N.A.													
11'-0"	11'-0" 2 2 2 2 2 2 2 3 3 3 3 4													

- 1. PROVIDE A MINIMUM OF ONE TIEDOWN STRAP AND ANCHOR AT EACH END OF EACH OUTER SKID. EVENLY SPACE THE REMAINING TIEDOWNS.
- 2. WRAP THE STRAP AROUND THE SKID AND ATTACH TO ANCHOR.
- 3. MAXIMUM PERMITTED ANGLE OF STRAP FROM VERTICAL IS 45 DEGREES. LOCATE ANCHORS VERTICALLY INTO THE GROUND.

FL PE Name: Kent M. Bice
FL PE #: 50421
Engineer #k.an468

STATE OF

1552 6TH ST., WINTER HAVEN, FL 33880 (863)865-6502

TIEDOWN SCHEDULE FOR EXPOSURE B

DATE: 12/19/23 DRAWN BY: RD

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F-2
SHEET 2 OF 8

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E DI ANS WERE DESIGNED IN ACCORDANCE WITH THE 7TH EDITION 2020 ELORIDA R

TIEDOWN SCHEDULE FOR 111 TO 130 MPH WIND SPEED, EXPOSURE "C"													
BLDG WIDTH	NUMBER OF TIEDOWNS PER OUTER SKID BY BUILDING LENGTH (FT)												
WIDIII	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0	26'-0"	28'-0"	30'-0"	32'-0"
7'-11" 1/2"	2	2	2	2	2	2	2	2	2	N.A.	N.A.	N.A.	N.A.
9'-11" 1/2"	2 2 2 2 2 2 2 2 2 3 3 N.A.												
11'-0"	2	2	2	2	2	2	2	2	2	2	3	3	3

TIEDO\	WN S	SCHE	DULE	FOR	131 ⁻	ΓΟ 16	60 MPI	H WINI	D SPE	EED, E	EXPOS	SURE	"C"
BLDG WIDTH													
VVIDITI	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0	26'-0"	28'-0"	30'-0"	32'-0"
7'-11" 1/2"	7'-11" 1/2" 2 2 2 3 3 3 4 4 4 N.A. N.A. N.A. N.A.												
9'-11" 1/2"	2	2	2	2	2	3	3	3	3	3	4	4	N.A.
11'-0"	2	2	2	2	2	3	3	3	3	3	4	4	4

- 1. PROVIDE A MINIMUM OF ONE TIEDOWN STRAP AND ANCHOR AT EACH END OF EACH OUTER SKID. EVENLY SPACE THE REMAINING TIEDOWNS.
- 2. WRAP THE STRAP AROUND THE SKID AND ATTACH TO ANCHOR.
- 3. 3. MAXIMUM PERMITTED ANGLE OF STRAP FROM VERTICAL IS 45 DEGREES. LOCATE ANCHORS VERTICALLY INTO THE GROUND.

FL PE Name: Kent M. Bice
FL PE #: 50421
FEr@QA#: 189468ce
FI I iranea #: 50421

1552 6TH ST., WINTER HAVEN, FL 33880 (863)865-6502

TIEDOWN SCHEDULE FOR EXPOSURE C

DATE: 12/19/23 DRAWN BY: RD

SCALE: AS NOTED CHECKED BY: KMB

F-3
SHEET 3 OF 8

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S WERE DESIGNED IN ACCORDANCE WITH THE 7TH EDITION. 2020 FLORIDA BUILDING C

TIEDO\	TIEDOWN SCHEDULE FOR 111 TO 130 MPH WIND SPEED, EXPOSURE "D"													
BLDG WIDTH	NUMBER OF TIEDOWNS PER OUTER SKID BY BUILDING LENGTH (FT)													
WIDIII	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0	26'-0"	28'-0"	30'-0"	32'-0"	
7'-11" 1/2"	2	2	2	2	2	2	2	3	3	N.A.	N.A.	N.A.	N.A.	
9'-11" 1/2"	2 2 2 2 2 2 3 3 3 N.A.													
11'-0"	2	2	2	2	2	2	2	3	3	3	3	3	3	

TIEDO\	WN S	SCHE	DULE	FOR	131 ⁻	ΓΟ 16	60 MPI	H WINI	D SPE	EED, E	EXPOS	SURE	"D"
BLDG WIDTH													
VVIDITI	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0	26'-0"	28'-0"	30'-0"	32'-0"
7'-11" 1/2"	7'-11" 1/2" 2 2 3 3 3 3 4 4 4 N.A. N.A. N.A. N.A.												
9'-11" 1/2"	2	2	2	3	3	3	3	3	3	4	4	4	N.A.
11'-0"	2	2	2	3	3	3	3	3	3	4	4	4	4

- 1. PROVIDE A MINIMUM OF ONE TIEDOWN STRAP AND ANCHOR AT EACH END OF EACH OUTER SKID. EVENLY SPACE THE REMAINING TIEDOWNS.
- 2. WRAP THE STRAP AROUND THE SKID AND ATTACH TO ANCHOR.
- 3. 3. MAXIMUM PERMITTED ANGLE OF STRAP FROM VERTICAL IS 45 DEGREES. LOCATE ANCHORS VERTICALLY INTO THE GROUND.

FL PE Name: Kent M. Bice FL PE #: 50421 FL COA #: 30468



12/19/23

1552 6TH ST., WINTER HAVEN, FL 33880 (863)865-6502

TIEDOWN SCHEDULE FOR EXPOSURE D

DATE: 12/19/23 DRAWN BY: RD

SCALE: AS NOTED CHECKED BY: KMB

SHEET:

F-3A

SHEET 4 OF 8

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NOTES:

- 1. ALL APPROVED ANCHORS LISTED ABOVE ARE MANUFACTURED BY TIE DOWN ENGINEERING.
- 2. THE CONTRACTOR MAY USE AN APPROVED EQUIVALENT WITH APPROVAL FROM THE EOR.
- 3. ANCHORS SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.

FL PE Name: Kent M. Bice FL PE #: 50421 FL COA #: 30468



12/19/23

1552 6TH ST., WINTER HAVEN, FL 33880 (863)865-6502

GROUND
ANCHOR SCHEDULE

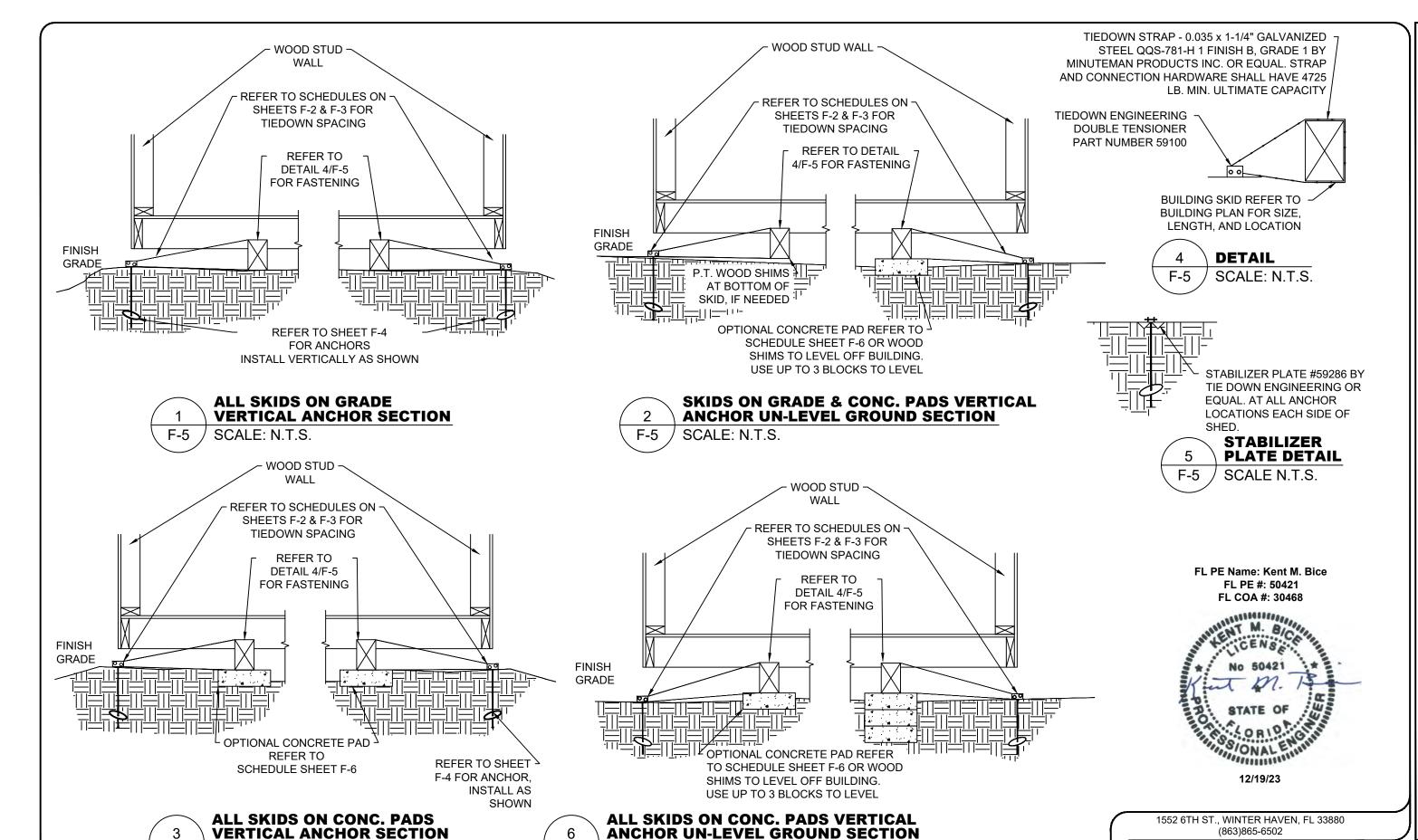
DATE: 12/19/23 DRAWN BY: RD

SCALE: AS NOTED CHECKED BY: KMB

SHEET:

F-4
SHEET 5 OF 8

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SCALE N.T.S.

TIEDOWN SECTIONS

DATE: 12/19/23 DRAWN BY: RD

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F-5SHEET 6 OF 8

SHEET:

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SCALE: N.T.S.

NOTE:

- 1. 4" MIN. THICK, 2500 PSI MIN. CONCRETE PADS ARE OPTIONAL.
- 2. DIMENSIONS SHOWN ARE NOMINAL.
- 3. TIEDOWNS ARE REQUIRED MIN. (4) PER BUILDING, (1) AT EACH CORNER SHEARWALL (SW#).
- 4. REFER TO SCHEDULES ON SHEET F-2 & F-3 FOR TIEDOWN SPACING AND SCHEDULES ON THIS SHEET FOR OPTIONAL PAD LOCATION.
- 5. SPACE OPTIONAL PADS AT EACH END OF EACH SKID AND EQUALLY IN-BETWEEN.
- 6. LOCATE PAD CENTERED UNDER THE SKID.

16" X	16" X 4	l" OR	` '						JLE F DOR I			IND S	SPEE	DS,
BLDG	WIDTH		NUMB	ER OF	PADS	REQUII	RED BY	/ BUILE	ING LE	ENGTH	UNDE	R EACH	SKID	
BEBO	WIDTH	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	26'-0"	28'-0"	30'-0"	32'-0"
7'-11½" 3 3 3 4 4 SINGLE								5	5	5	N.A.	N.A.	N.A.	N.A.
WIDE										5	N.A.			
	11'-0"	2	3	3	3	3	4	4	4	4	5	5	5	5

16" X 16" X 4" CONC. PAD OR

PAD DETAILS

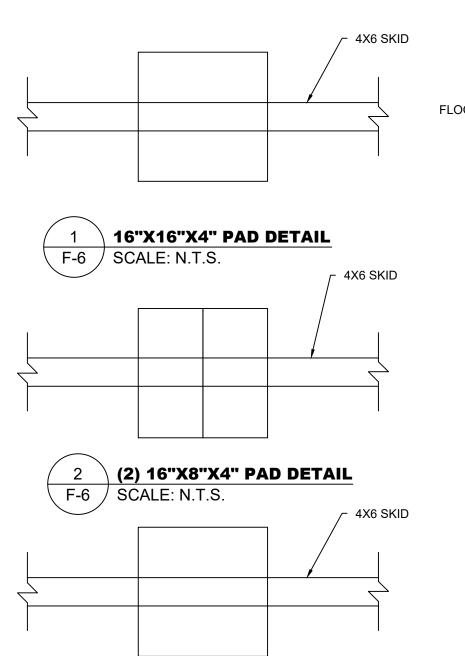
DRAWN BY: RD

CHECKED BY: KMB

SHEET 7 OF 8

DATE: 12/19/23

SCALE: AS NOTED



16"X16"X3/4" ABS PIER PAD DETAIL

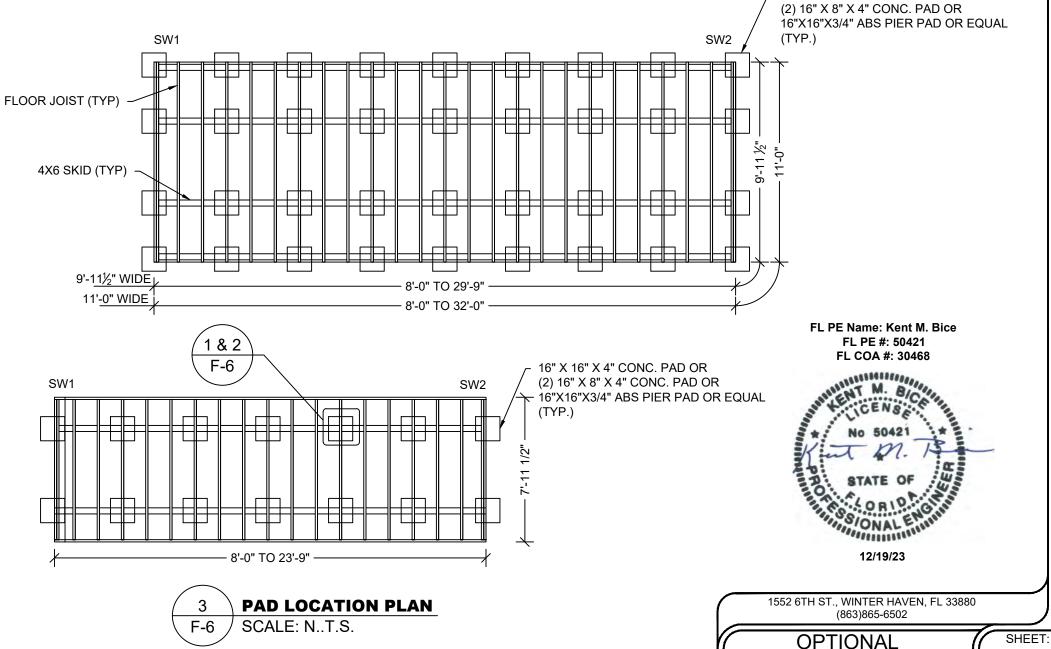
F-6

SCALE: N.T.S.

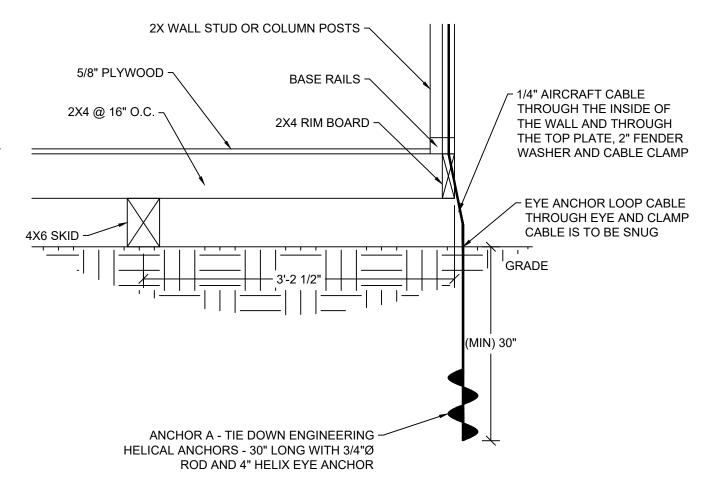
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ALTERNATE FOUNDATION DETAIL

NOTE:

ANCHORAGE REQUIRED ON EACH SIDE, MAX 6'-0" O.C AND STARTING NO MORE THAN 6'-0" FROM CORNERS. FL PE Name: Kent M. Bice FL PE #: 50421 FL COA #: 30468



1552 6TH ST., WINTER HAVEN, FL 33880 (863)865-6502

ALTERNATE FOUNDATION DETAIL

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F-7
SHEET 8 OF 8

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