METAL BUILDING - 14' TALL (MAX) TUBULAR BUILDING SYSTEM 12 - 30 FT SPAN



APPLICABLE CODES 2014 FLORIDA BUILDING CODE PEN AND ENCLOSED DESIGN

● ELEY. = 0'-0" SYMBOL REVISION CLOUD W/ TAG SECTION MARK WINDOW TAG ELEVATION INDICATOR **ELEVATION MARK** ROOM TAG DOOR TAG DETAIL DESCRIPTION

FLORIDA BUILDING PRODUCT APPROVAL LISTING DOORS: ROLL UP DOOR — JANUS INTER

ROLL UP DOOR -

JANUS INTERNATIONAL CORPORATION
MODEL 3652 - FL 14425.1
MODEL 750 - FL12765.7
ELIXIR INDUSTRIES-FL 1722-R4
WALL - FL6702-R4 CAROLINA CARPORTS
ROOF - FL6596-R4 CAROLINA CARPORTS

POCAHONTAS ALUMINIUM COMPANY, INC

FL 12940-R1

1511-019-T-001 TITLE SHEET

ZONE 1:

CLADDING COMPONANTS

NTERNAL PRESSURE:

.0.18+/- (ENCLOSED)

.... 140 MPH (Vult) 108 MPH (Vasd)

WIND DESIGN INFORMATION

ZONE 3: ZONE 2:

10 S.F..... 10 S.F..... 10 S.F.... 10 S.F. ...

.....14.96/-23.77 PSF14.96/-41.37 PSF14.96/-61.18 PSF29.97/-28.17 PSF25.97/-34.77 PSF

ELEVATIONS - OPEN ELEVATIONS - ENCLO

1511-019-A-001

ROOF FRAMING PLAN FOUNDATION PLAN STRUCTURAL DETAILS

1511-019-S-004

1511-019-S-003

1511-019-S-001 1511-019-A-002

STRUCTURAL PLAN

1511-019-S-002

1511-019-S-006 1511-019-S-005

511-019-S-007

GENERAL NOTES

ENCLOSED STRUCTURE

3/15 | GG 3/15 RELEASED FOR CONSTRCTION APPRD DATE CHK'D DATE DESCRIPTION

TUBULAR BUILDING SYSTEMS 12 - 30 FT SPAN STEEL BUILDINGS

TITLE

REV

TITLE SHEET

PROJECT #:

1511-019

DWG. NO.

1511-019-T-001

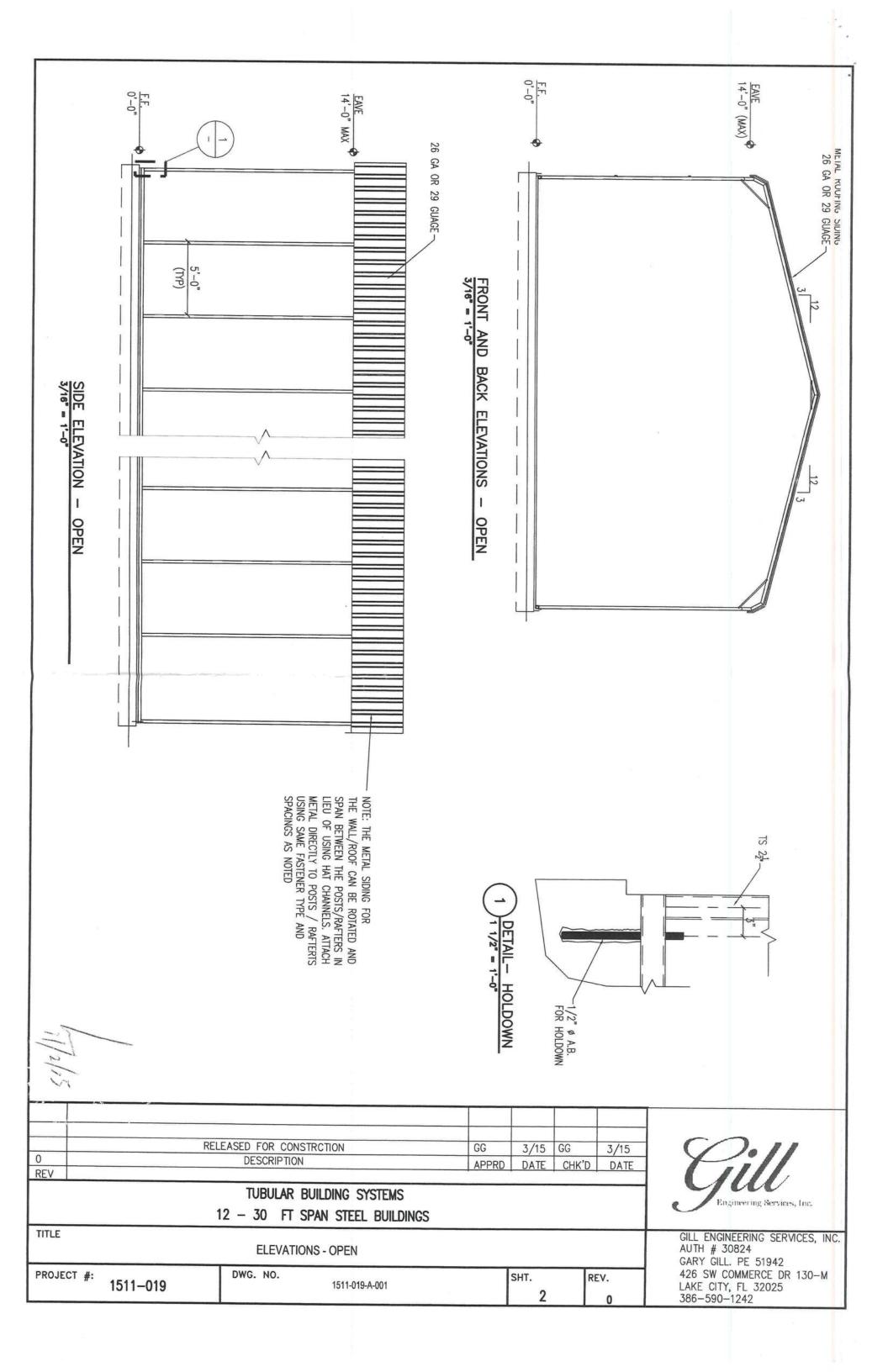
SHT.

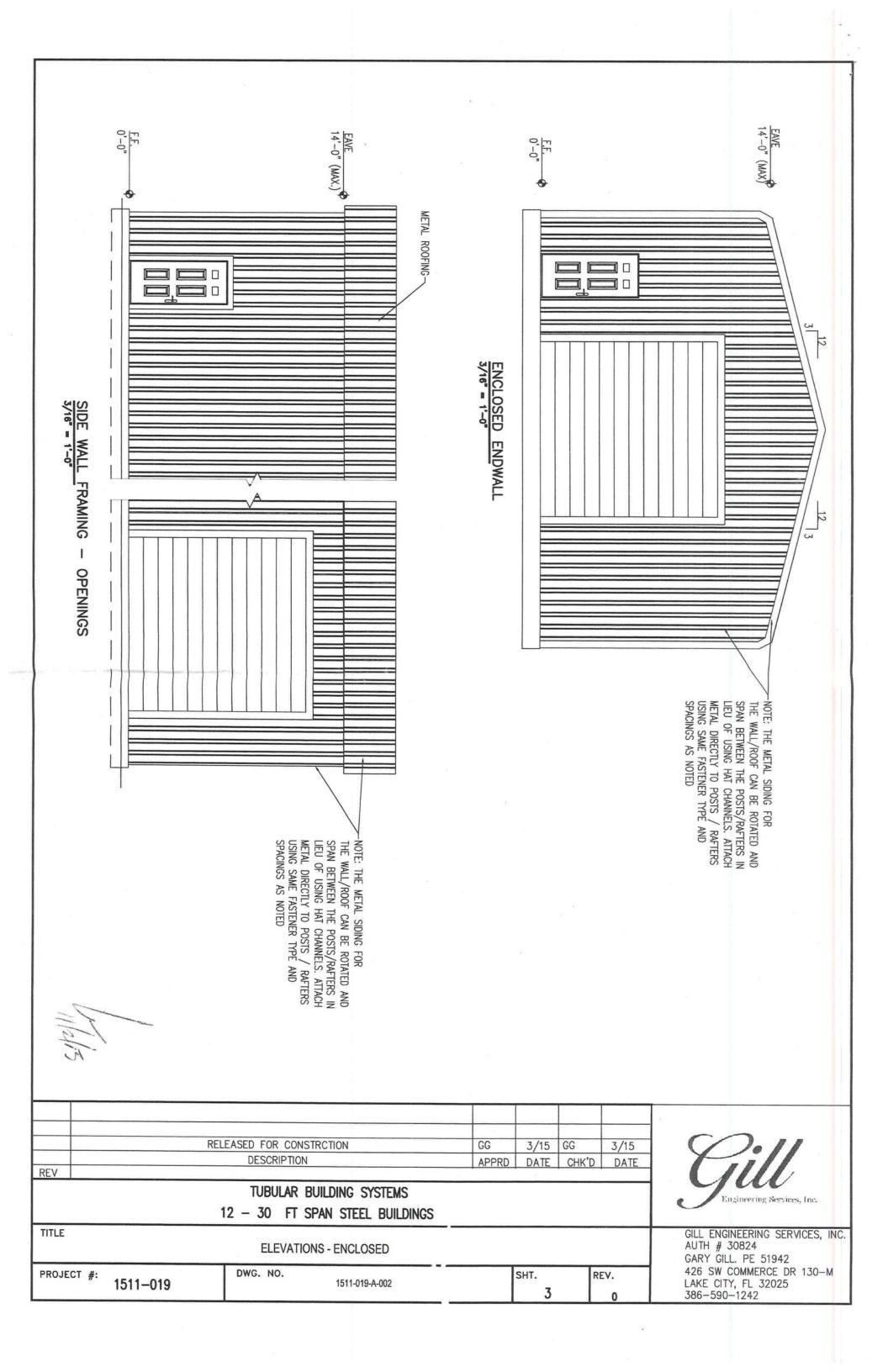
REV.

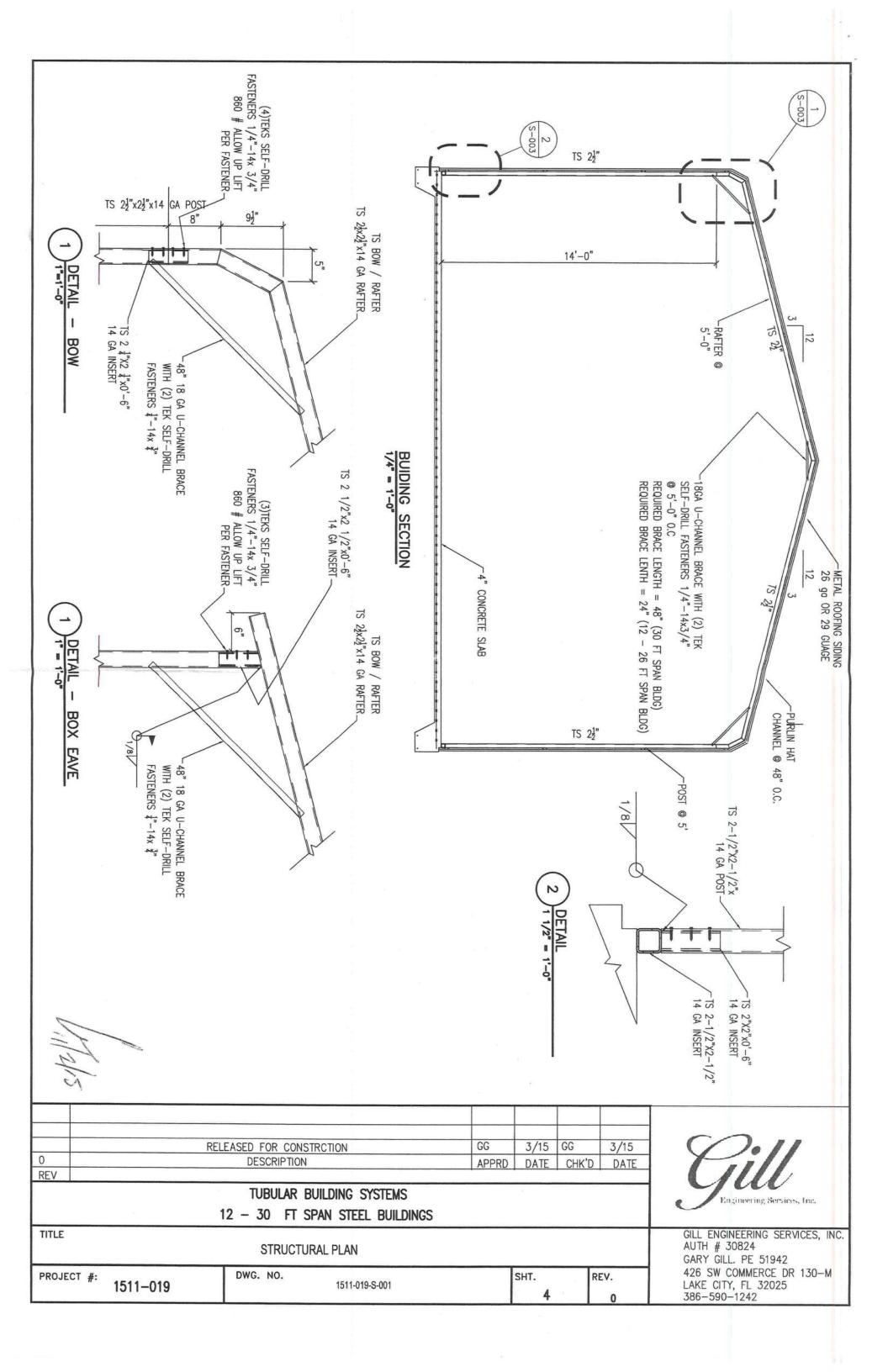


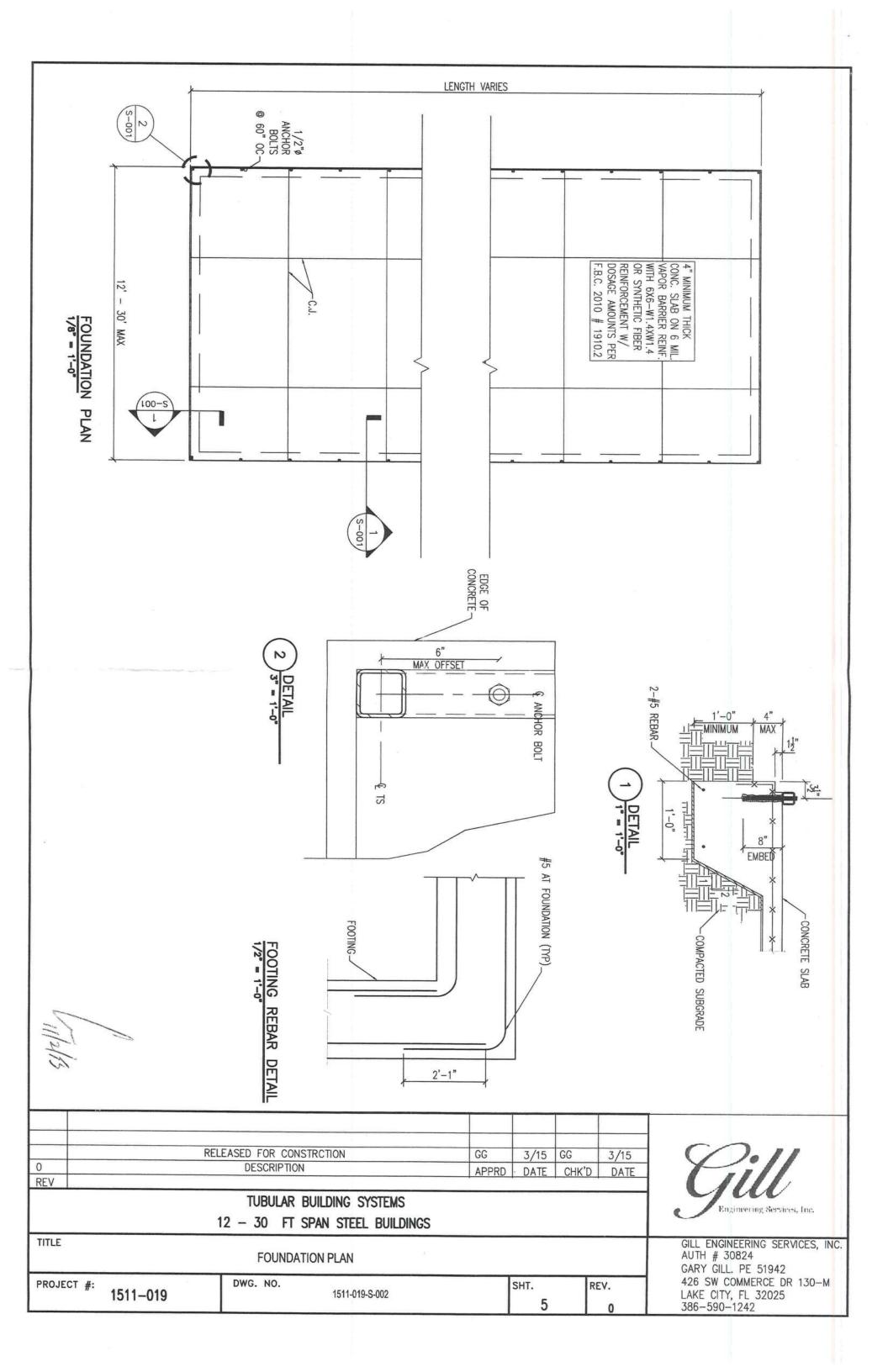
GILL ENGINEERING SERVICES, INC. AUTH # 30824 GARY GILL. PE 51942 426 SW COMMERCE DR 130-M LAKE CITY, FL 32025 386-590-1242

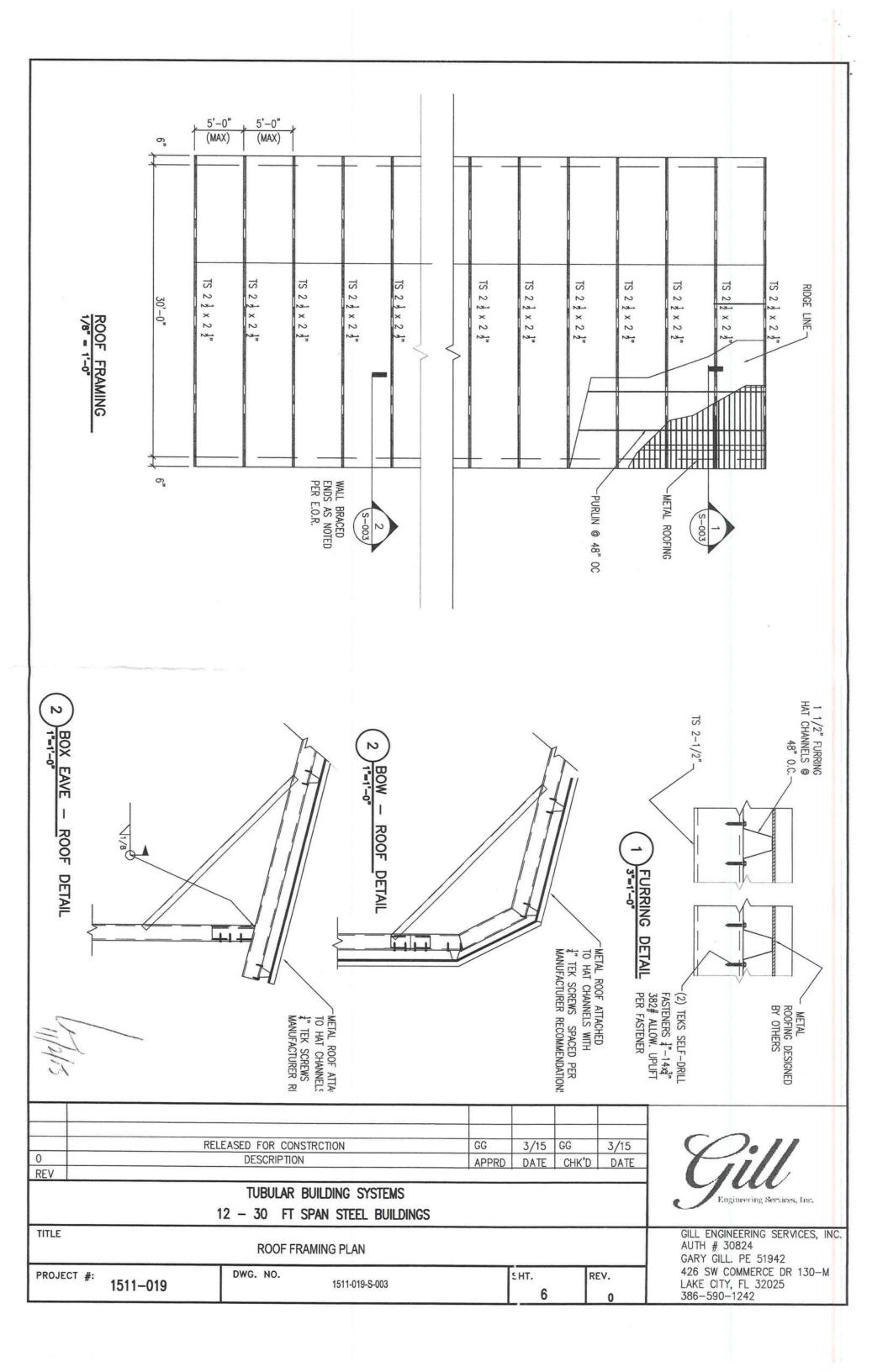


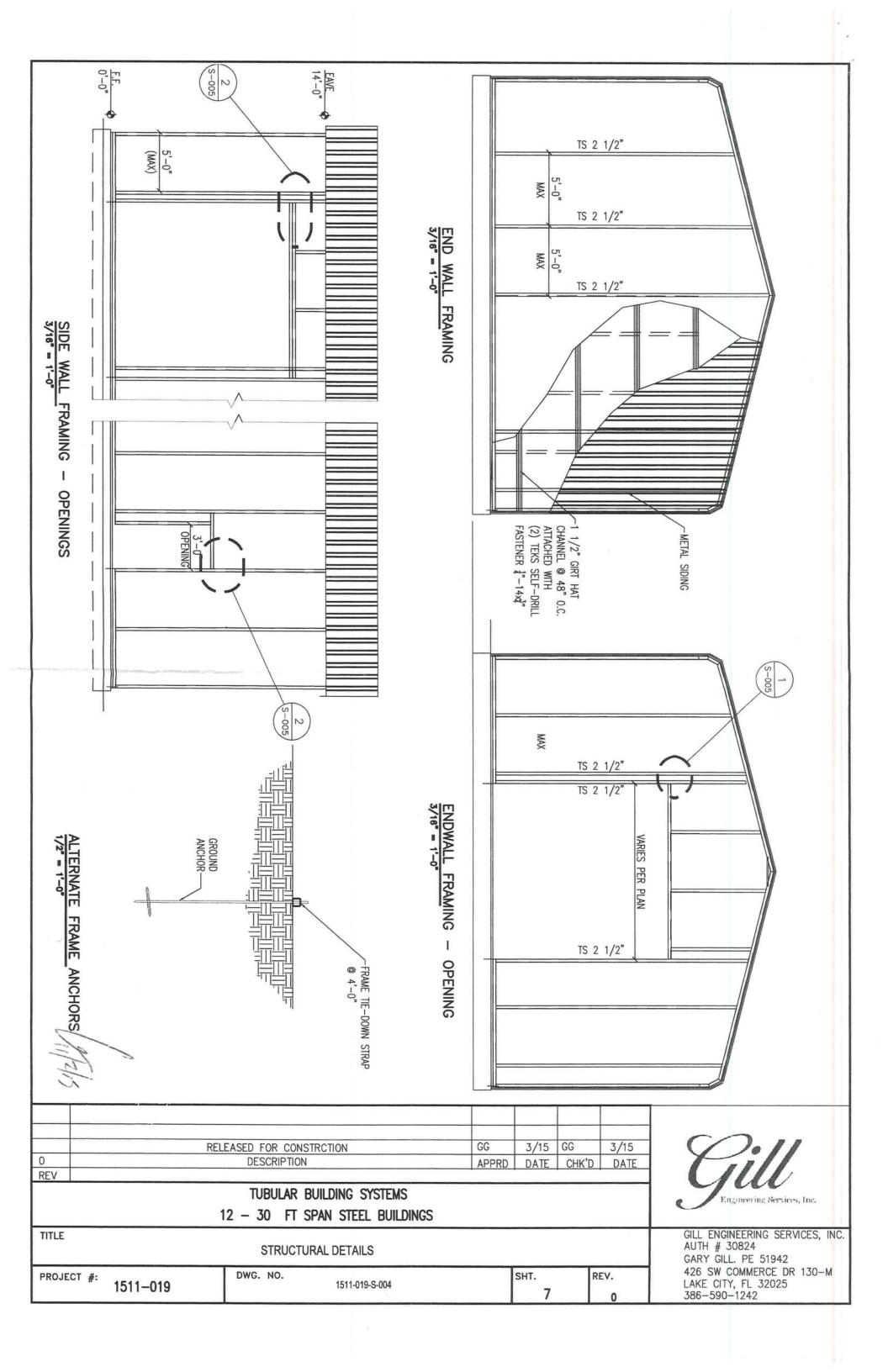


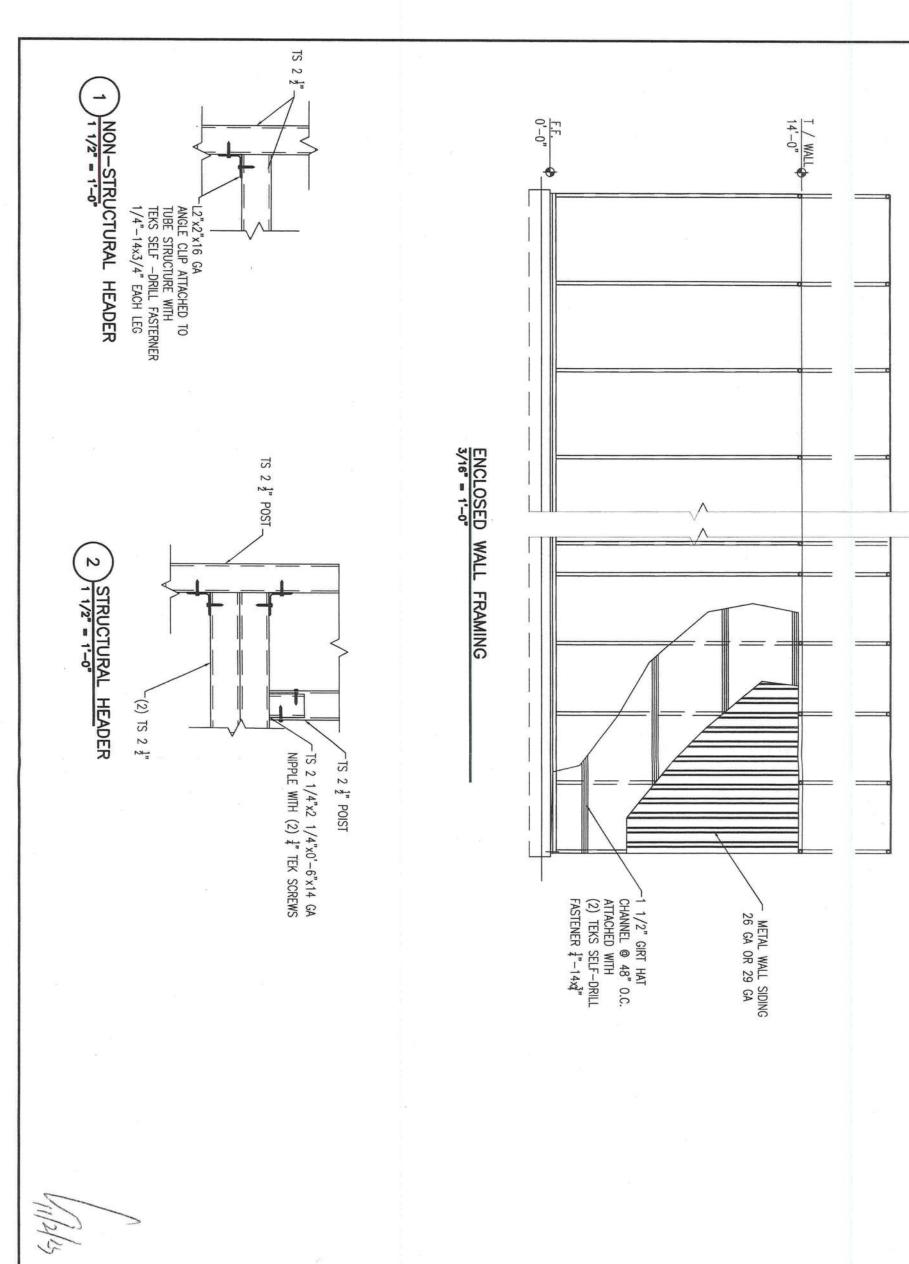












	RELEASED FOR CONSTRCTION	GG	3/15	GG	3/15	(/)011
0	DESCRIPTION	APPRD	DATE	CHK'D	DATE	1-111
REV		. I wow was a second				
	TUBULAR BUILDING SYSTEMS					Engineering Services, Inc.
	12 - 30 FT SPAN STEEL BUILDINGS				1	
TITLE	STRUCTURAL DETAILS					GILL ENGINEERING SERVICES, INC. AUTH # 30824

STRUCTURAL DETAILS

PROJECT #:

1511-019

DWG. NO.

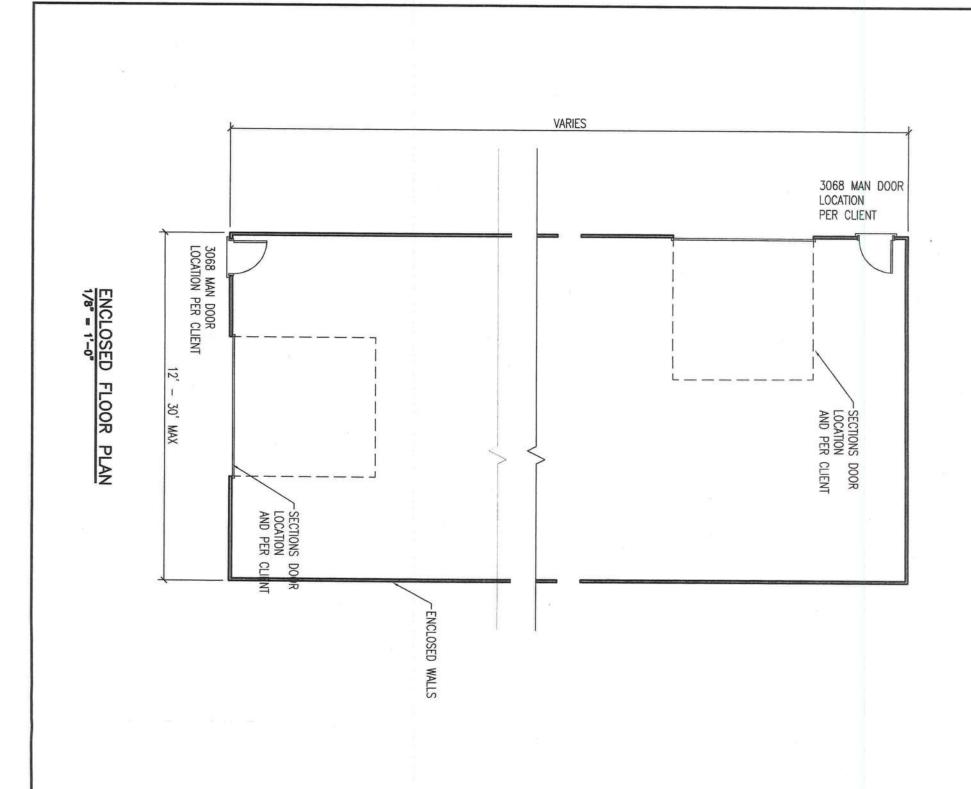
1511-019-S-005

DWG. NO.

SHT.

REV.

LAKE CITY, FL 32025
386-590-1242





	RELEASED FOR CONSTRCTION	GG	3/15	GG	3/15
0	DESCRIPTION	APPRD	DATE	CHK'D	DATE
REV			10.10.000		

TUBULAR BUILDING SYSTEMS 12 - 30 FT SPAN STEEL BUILDINGS

TITLE

ENCLOSED STRUCTURE

PROJECT #:

1511-019

DWG. NO.

1511-019-S-006

SHT. REV. 0

Engineering Services, Inc.

GILL ENGINEERING SERVICES, INC. AUTH # 30824 GARY GILL. PE 51942 426 SW COMMERCE DR 130-M LAKE CITY, FL 32025 386-590-1242

	, ri 45rid6	· -	6.	÷. r.	w.	2.			SIR	7.	6.5	4.	1. 2. 3.	1. LIVE	DES DES
עדר אורנים אוערר מר מרמארמ מאם ושווורי.	ASTM A325 OR A490 BOLLT" USE BEARING TYPE BOLTS WITH THREADS ACROSS THE SHEAR PLANE. NO SPLICES SHALL BE ALLOWED IN ANY STRUCTURAL STEEL MEMBER UNLESS SHOWN ON APPROVED SHOP DRAWINGS. ALL MEMEBERS EXCEPT THOSE TO BE FIELD WELDED SHALL RECEIVE ONE COAT OF SHOP PRIMER PAINT. NO OPENINGS SHALL BE ALLOWED IN STEEL MEMBERS UNLESS SHOWN ON THE DRAWINGS. OPENINGS, COPES AND OTHER STEEL CUTTING SHALL HAVE A ½" MINIMUM RADIUS. ALL BEAMS SHALL BE FABRICATED AND EERECTED WITH THE NATURAL CAMBER UP. WELDS NOT DESIGNED SHALL BE A FILLET WELD EQUAL TO 16" LESS THAN THE LEAST THICK MEMBER, ALL WELDS SHALL BE CLEANED AND PAINTED.	WELDS SHALL CONFORM TO THE AMERICAN WELDING SOCIETY, AWS D1.1 USING E70 ELECTRODES	PROVIDE TEMPORARY BRACING TO HOLD STRUCTURAL STEEL SECURELY IN POSITION DURING ERECTION. DO NOT REMOVE BRACING UNTIL PERMANENT BRACING IS INSTALLED. PER AND STANDARDS:	ASSEMBLIES AND ACCESSORIES. SHOW MEMBER DESIGNATIONS, SIZES AND CONNECTIONS. MAKE CONNECTIONS WITH HIGH STRENGTH A325 BOLTS OR WELDS USING E70 ELECTRODES. DETAIL BOLTED SHEAR CONNECTIONS FOR MAXIMUM END REACTIONS OF MEMBER SUPPORTED AND WELDS TO THE STRENGTH OF MEMBER SUPPORTED.	PROVIDE STRUCTURAL STEEL HAVING A MINIMUM YIELD STRENGTH OF 36 KSI THAT MEETS ASTM A36 STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL. SUBJUT SUCD DAVINGS TO THE ADMITTED STRUCTURAL STEEL.	PAINT & PROTECTIONSSPC PAINT 25 DESIGN PER MOST CURRENT EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION DESIGN PER MOST CURRENT EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION	STEEL PIPES	W-SHAPESASTM 992, Fy=50 KSI OTHER SHAPES & PLATESASTM A36, Fy=36 KSI HSS SQUARE & RECTANGULAR SHAPESASTM A500 GRADE B, Fy= 46 KSI HSS ROUND SHAPESASTM A653 GRADE B, Fy= 42 KSI	STRUCTURAL STEEL 1. MATERIALS SHALL BE AS FOLLOWS:	CONCRETE. ALL REINFORCING STEEL ASTM A615 GRADE 60, ALL WELDED WIRE FABRIC ASTM A185	145 PCF. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HRS. CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR ARCHITECT /ENGINEER REVIEW 30 DAYS PRIOR TO PLACEMENT OF	C. ALL OTHER CONCRETE	CONCRETE 1. ALL CONCRETE DESIGNED PER CURRENT EDITION OF ACI 318 2. ALL CONCRETE SHALL BE CONTROLLED CONCRETE. 3. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: A. FOUNDATION WALLS, PIERS AND FOOTINGS	LIVE LOADS: 1. FLOOR LIVE LOAD = 40 PSF 2. MAXIMUM DEFLECTION = L / 240	<u>Design Criteria</u> Design per 2014 florida Building code with 2009 updates unless otherwise noted.
	SING SHOP PAINT.					A (1)		10. FOUNDATIONS	m	2.7	•	7 m			REINFORCING 1. 2.
	, 50 ,51 50 ,51			FASTENE		4. 3. 4. DEL			9. WE 9. ALI	7. WE	6. BAL AP	5. AP	4. RE		CONTRACTOR OF THE PARTY OF THE
$U_{11/2}$	ALLOWABLE CONNECTION STRENGTH FOR USE IN ALLOWABLE STRENGTH DESIGN (ASD) FOR PULL-OUT, PULLOVER, SHEAR (BEARING) CAPACITY FOR COMMON SHEET STEEL THICKNESS ARE PROVIDED BY MANUFACTURER PULLOVER, SHEAR (BEARING) CAPACITY FOR COMMON SHEET STEEL THICKNESS ARE PROVIDED BY MANUFACTURER MINIMUM SPACING BETWEEN THE CENTER OF FASTENERS OF 3 TIMES THE DIAMETER OF THE SCREWS, AND A MINIMUM DISTANCE FROM THE CENTER OF A FASTENER TO THE EDGE OF ANY CONNECTED PART OF 1.5 TIMES THE DIAMETER OF THE SCREW.	THE SCREWS MUST BE PENETRATE THROUGH THE SUPPORTING STEEL WITH A MINIMIUM OF THREE THREADS PROTRUDING PAST THE BACK SIDE OF THE SUPPORTING MEMBER.	ALL FASIENERS SHALL BE IIW BUILDEX IERS SELF-DRILLING FASIERNER 1/4-14X 3/4 HWD INSTALLATION OF THE FASTENERS MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTION. THE COREWS MIST BE INSTALLED DEEDERINGS IN A TO THE WORK STIBEACE LISTED A SCREW DEBUNDS TOOL	FASTENERS SELF-DRILLING TAPPING SCREWS	PSF. CONTINUOUS FOOTINGS ARE DESIGNED TO BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF.	ALL FOOTING SUBGRADES, AS REQUIRED, AND ALL SLAB SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT BASED ON LABORATORY DESIGNATION ASTM D1557. COMBINED AND INDIVIDUAL FOOTINGS AR DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2,000	ALL FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE OWNERS SOIL TESTING AGENCY BEFORE ANY CONCRETE IS PLACED. ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATION OF BACKFILLING AND COMPACTION RACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS ARE EFFECTIVE. BACKFILL NO FOUNDATION WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF ADEQUATE STRENGTH TO WITHSTAND THE APPLIED LATERAL PRESSURES.	BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSE SURFACES SHALL BE GALVANIZED AND PLASTIC TIPPED.	WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH PANEL OR 6" MINIMUM. ALL REINFORCING SPLICES SHALL CONFORM TO THE TABLE(S) PRVIDED IN THE GENERAL NOTES FOR STRENGTH OF CONCRETE BUT IN NO CASE LESS THAN THE REQUIRENMENTS OF THE LATEST EDITION OF ACI-318.	WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, LAPPED AT NECESSARY SPLICES AND HOOKED AT DISCONTINUOUS ENDS.	BY THE ARCHITECT/ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY APPLICABLE CODES. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING BEINFORCED CONCRETE STRUCTURES" (ACL 315)	WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS, AS DETERMINED	C. FORMED SURFACE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER	SE OF MAIN REINFORCEMENT FROM ADJACENT SURFACES SHALL CONFORM TO THE G (UNLESS OTHERWISE SHOWN IN DETAIL) UNFORMED SURFACES IN CONTACT WITH GROUND(FOOTING OR WALL BOTTOM)	MENT SHALL CONFORM TO ASTM 615 GRADE 60 REINFORCEMENT SHALL CONFORM TO ASTM A185.
		RELE	EASED F	OR CONST	RCTION			GG	3/15	5 GG	3/1	15	0). <i>I</i>	,,
0 REV	DESCRIPTION APPRD DATE CHK'D DATE REV														
TUBULAR BUILDING SYSTEMS 12 - 30 FT SPAN STEEL BUILDINGS Engineering Services, Inc.															
TITLE			G	SENERAL N	NOTES								AUTH # 30 GARY GILL	0824 PE 5194	
PROJEC	1511-019		DWG.	NO.	151	1-019-S-007			sнт. 1	0	REV.		426 SW CO LAKE CITY, 386-590-	FL 3202	DR 130-M 25