ASTM-A500, Gr. C (50ksi) ASTM-A53 (35/36ksi) ASTM-A36 (36ksi) ASTM-A36 (36ksi)	3'-6" (ref) TYPICAL
PE NNEL (SEE LANDING ASSEMBLIES)	9'-4 3/16" 10'-0" 10'
6" Sch 80 PIPE 4" Sch 40 PIPE 210 x 15.3 CHANNEL C10 x 15.3 CHANNEL C8 x 11.5 CHANNEL w/3 x 3 x 1/4 L (SE	STANDARD SECTION 20'-0" 10'-0" 10'-0" 10'-0" 10'-0" 10'-0" 10'-0" 10'-0"
LEGS DIAGONALS HORIZONTALS INTERIOR BRACES	BASE REACTIONS. CURRENT LOADING: TOTAL SHEAR = 84kips AXIAL LOAD = 75kips UPLIFT PER LEG = 145kips COMPRESSION PER LEG = 182kips OVERTURN MOMENT = 5,460ft-kips

3876-17-A17

_ TOP STAIR ASSEMBLY; SEE DWG. 3876-17-A21

MEZZANINE LEVEL ASSEMBLY; — SEE DWGS. 3876—17—A14 & 3876—17—A15

MEZZANINE STAIR ASSEMBLY; SEE DWG. 3876-17-A19

_ TRANSITION LANDING ASSEMBLY; SEE DWG. 3876-17-A09

TRANSITION STAIR ASSEMBLY; SEE DWG. 3876-17-A12

_ STANDARD LANDING ASSEMBLY; SEE DWG. 3876-17-A07

STANDARD STAIR ASSEMBLY; SEE DWG. 3876-17-A11

__ALTERNATE LANDING ASSEMBLY; SEE DWG. 3876-17-A08

_ STANDARD STAIR ASSEMBLY; SEE DWG. 3876-17-A11

_ STANDARD LANDING ASSEMBLY; SEE DWG. 3876-17-A07

— STANDARD STAIR ASSEMBLY; SEE DWG. 3876-17-A11

_ ALTERNATE LANDING ASSEMBLY; SEE DWG. 3876-17-A08

__STANDARD_STAIR_ASSEMBLY; SEE DWG. 3876-17-A11

_ STANDARD LANDING ASSEMBLY; SEE DWG. 3876-17-A07

BASE STAIR ASSEMBLY; SEE DWG. 3876-17-A10

-0'-1 1/16" (nom-ref)

2'-6" (typ)

<u>EACTIONS, FUTURE LOADING:</u> SHEAR = 87kips L LOAD = 76kipsFT PER LEG = 145kipsPRESSION PER LEG = 189kipsTURN MOMENT = 5,669 ft-kips <u>NOTES:</u>

- 1. TOWER IS DESIGNED TO CONFORM TO WITH CONSIDERATIONS OF 120mph 3-AND 100mph WIND SPEED WITH 1/2" HAS BEEN GIVEN TO: I = 1.0; Kzt =
- 2. INITIAL TOWER LOADING IS AS FOLLOW A. ASR-8 RADAR ASSEMBLY ON PL WAVEGUIDE FOR THE FULL TOWER
 - B. FULL PLATFORM, COMPLETE WITH
 - PLATFORM SHALL INCLUDE FLOOD C. 500Ib. RATED ELECTRIC HOIST ON
 - D. OSHA-COMPLIANT STAIR ACCESS, FLOODLIGHTS
 - E. LED DOUBLE OBSTRUCTION LIGHT
 - F. LIGHTNING PROTECTION/GROUNDIN
 - G. WAVEGUIDE & ELECTRICAL CONDU
- 3. FUTURE TOWER LOADING IS AS FOLLO A. ESSCO RADOME SUITABLE FOR AN B. PLATFORM OVERHANG EXTENSION
- 4. ALL STRUCTURAL STEEL PIPE LEG MA ASTM-A500, GRADE C (50ksi YIELD STEEL PIPE MEMBERS SHALL CONFOR (35/36ksi YIELD STRENGTH MATERIAL BARS, RODS, ANGLES, SHAPES, ETC., ASTM-A36 (36ksi YIELD STRENGTH M
- 5. ALL STRUCTURAL STEEL MEMBERS SH FABRICATION, AND CONFORM TO THE
- 6. ALL BOLTS AND BOLTED CONNECTION GALVANIZED AND CONFORM TO THE BOLTS OF 3/8"Ø AND LESS SHALL BE REQUIREMENTS OF GRADE 5. EACH E OR STANDARD-HEX NUT AS WELL AS DIAMETER. NUTS SHALL BE TIGHTEN DEFINED BY THE RESEARCH COUNCIL FOR STRUCTURAL JOINTS USING ASTI
- 7. ALL WELDED CONNECTIONS SHALL CO AMERICAN WELDING SOCIETY: A.W.S.

	LET REVISION	DATE APP'D
		03/13/18 D.S.
O THE REQUIREMENTS OF TIA-222-0 3-SECOND GUST WIND SPEED WITH N " RADIAL ICE. ADDITIONAL CONSIDE = 1.0; EXPOSURE = "C".	NO ICE.	
DWS:		
ATFORM AT TOP, WITH ASSOCIATED R HEIGHT	FEEDLINE/	
HOSHA-COMPLIANT HANDRAIL & TO D LIGHTS & (4) DUPLEX CONVENIEN N PLATFORM AT TOP		
S, FULL TOWER HEIGHT; LANDINGS T	O INCLUDE	
TING KIT		
NG KIT w/DUAL DOWN CONDUCTORS UITS ROUTED THROUGH THE TOWER'S		
.OWS:		
AN ASR-8 RADAR ANTENNA N TO SUPPORT THE RADOME, ABOVE		
IATERIALS SHALL CONFORM TO THE STRENGTH MATERIAL); ALL OTHER S	REQUIREMENTS	
RM TO THE REQUIREMENTS OF ASTM L); ALL ADDITIONAL STRUCTURAL S	-A53	
, SHALL CONFORM TO THE REQUIRED MATERIAL).	MENTS OF	
GHALL BE HOT-DIPPED GALVANIZED,	AFTER	
E REQUIREMENTS OF ASTM-A123.		
NS OF 1/2"Ø AND GREATER SHALL I REQUIREMENTS OF ASTM-F3125, GR	BE HOT-DIPPED	
BE HOT-DIPPED GALVANIZED AND CO BOLT ASSEMBLY SHALL INCLUDE EI	ONFORM TO THE	
NED USING THE "SNUG-TIGHT JOINTS	D EACH BOLT'S	
ON STRUCTURAL CONNECTIONS (RCM M-A325 OR A490 BOLTS", DATED (CSC) "SPECIFICATION	
ONFORM TO THE LATEST REVISED CO		
D1.1.		
	SWAGER COMMUNICATION	S INC.
	P.O. BOX 656; 501 E. SWAGER DR.; FREMONT, II THIS DRAWING IS THE PROPERTY OF SWAGER COMMUN IT IS NOT TO BE REPRODUCED, COPIED, OR TRACED IN PART WITHOUT OUR WRITTEN CONSEN	N 46737 ICATIONS, INC.
	scale dwn 1:72 ^{App'd}	J. NEFF D.SWAGER
	77ft ASR-8 RADAR TOWER	rower
	DATE DRAWING NUMBER 03/13/18 3876-17-	-A01