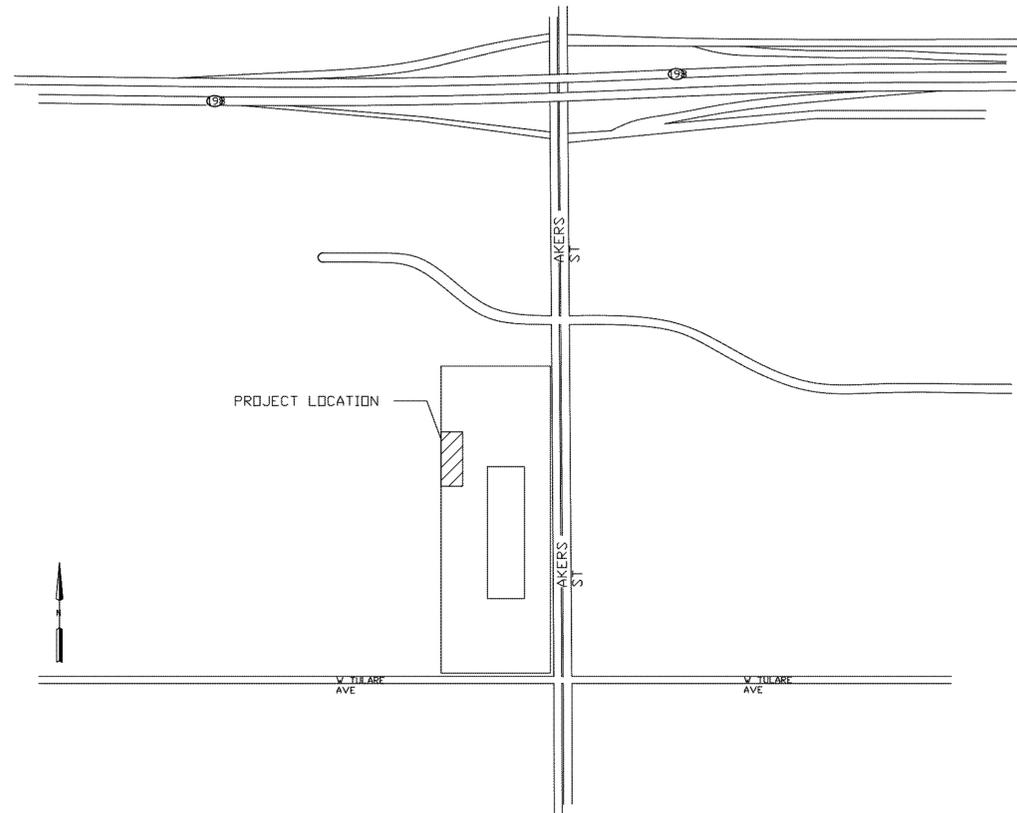


NOTES:
UNLESS OTHERWISE SPECIFIED

1. THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. NOTES AND DETAILS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
3. THE DETAILS ON THESE DRAWINGS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
4. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORMWORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
5. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS, AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
6. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
7. THE TOWER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION AND/OR TRANSPORTATION SINCE ERECTION EQUIPMENT AND METHODS ARE UNKNOWN.
8. TOWER GROUNDING SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES. GROUNDING TO BE DONE BEFORE ERECTION.
9. THE TOWER IS DESIGNED TO SUPPORT THE ANTENNA, RADOME, SHELTER, AND EQUIPMENT AS IDENTIFIED IN THE TRD. THE ENGINEER WILL NOT BE RESPONSIBLE FOR OVERSTRESS CONDITIONS WHICH MAY OCCUR DUE TO DEVIATIONS IN ANTENNA SIZES AND/OR LOCATIONS FROM THOSE SHOWN ON THE DRAWINGS.
10. ALL WORK SHALL COMPLY WITH OSHA SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
11. ALL FACE WIDTHS ARE FROM CENTER LINE OF PIPE.
12. STEEL PIPE CONFORMS TO ASTM A53. PLATES, BAR, AND ANGLE CONFORMS TO ASTM A36. STRUCTURAL TUBING CONFORMS TO ASTM A-513 C1020 DDM TYPE 5. ALL WELDING CONFORMS TO A.W.S. D1.1 LATEST REVISION. ALL GALVANIZING CONFORMS TO ASTM A-123 AND A-153 FOR HARDWARE.
13. THIS PROJECT CONSISTS OF:
INSTALLING 100' SELF-SUPPORT TOWER EXTENDABLE TO 150', COMPLETE WITH FOUNDATION.

100' SELF-SUPPORT TOWER EXTENDABLE TO 150' TULARE COUNTY



BUILDING IS NOT FOR
HUMAN HABITATION

CONSTRUCTION TYPE III

OCCUPANCY TYPE U

INDEX OF DRAWINGS	
SHEET NO.	DESCRIPTION
SHEET 1	T-1 INDEX AND GENERAL NOTES
SHEET 2	S-1 100' SS TOWER ELEVATION
SHEET 3	S-2 FUTURE 150' SS TOWER ELEVATION
SHEET 4	S-3 TOWER FOUNDATION
SHEET 5	S-4 0'-20' SECTION ASSEMBLY
SHEET 6	S-5 20'-40' SECTION ASSEMBLY
SHEET 7	S-6 40'-60' SECTION ASSEMBLY
SHEET 8	S-7 60'-80' SECTION ASSEMBLY
SHEET 9	S-8 80'-100' SECTION ASSEMBLY
SHEET 10	S-9 100'-120' SECTION ASSEMBLY
SHEET 11	S-10 120'-140' SECTION ASSEMBLY
SHEET 12	S-11 140'-150' SECTION ASSEMBLY
SHEET 13	S-12 PLATFORM ASSEMBLY
SHEET 14	S-13 TOP CAP/ LIGHTNING ROD ASSEMBLY
SHEET 15	S-14 CLIMB LADDER ASSEMBLY
SHEET 16	S-15 SAFETY CLIMB ASSEMBLY
SHEET 17	S-16 WAVEGUIDE LADDER ASSEMBLY
SHEET 18	S-17 WAVEGUIDE BRIDGE ASSEMBLY
SHEET 19	S-18 ANTENNA MOUNT ASSEMBLY
SHEET 20	S-19 DISH MOUNT ASSEMBLY
SHEET 21	S-20 BGK-3 GROUNDING ASSEMBLY
SHEET 22	B-0 BUILDING GENERAL
SHEET 23	B-1 BUILDING SITE PLAN
SHEET 24	B-2 BUILDING FLOOR PLAN
SHEET 25	B-3 BUILDING EXT WALL-A
SHEET 26	B-4 BUILDING EXT WALL-B
SHEET 27	B-5 BUILDING EXT WALL-C
SHEET 28	B-6 BUILDING EXT WALL-D
SHEET 29	B-7 BUILDING INT WALL-A
SHEET 30	B-8 BUILDING INT WALL-B
SHEET 31	B-9 BUILDING INT WALL-C
SHEET 32	B-10 BUILDING INT WALL-D
SHEET 33	B-11 BUILDING FOUNDATION
SHEET 34	B-12 FOUNDATION PLAN
SHEET 35	B-13 FOUNDATION DETAILS
SHEET 36	B-14 ROOF PLAN
SHEET 37	B-15 ROOF DETAILS

INSPECTION PROGRAM:

1. ALL WELDING SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY IN ACCORDANCE WITH THE CBC 2019 1705.2.1. SUBMIT INSPECTOR QUALIFICATION IN ACCORDANCE WITH CBC 2019 PRIOR TO OBTAINING BUILDING PERMIT. SUBMIT INSPECTION REPORTS TO THE DEVELOPMENT DEPARTMENT, BUILDING AND SAFETY SERVICE DIVISION PRIOR TO OCCUPANCY.
2. ALL HIGH-STRENGTH BOLTING SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY IN ACCORDANCE WITH THE CBC 2016 1705.2.1. SUCH INSPECTION MAY BE PERFORMED ON A PERIODIC BASIS IN ASSORANCE WITH THE REQUIREMENTS OF THE CBC 2019. SUBMIT INSPECTOR QUALIFICATIONS IN ACCORDANCE WITH CBC 2019 PRIOR TO OBTAINING BUILDING PERMIT. SUBMIT INSPECTION REPORTS TO THE DEVELOPMENT DEPARTMENT, BUILDING AND SAFETY SERVICES DIVISION PRIOR TO OCCUPANCY.
3. CONCRETE CONSTRUCTION INSPECTION SHALL INCLUDE THE FOLLOWING PER THE CBC 2019, TABLE 1705.3. SUBMIT INSPECTION REPORTS TO THE DEVELOPMENT DEPARTMENT, BUILDING AND SAFETY SERVICES DIVISION PRIOR TO OCCUPANCY.

MATERIAL SPECIFICATION:

- SHAPES ASTM-A36
PIPE ASTM A-53 GRADE B
HSS ASTM A500 GRADE B
- GALVINIZED PER ASTM A123 AND 153
- ALL ASTM A325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION.
- A SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.
- REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION. ALLOWABLE STRESS DESIGN. AISC. 14TH EDITION, 2011. PAGE 16.2xi.

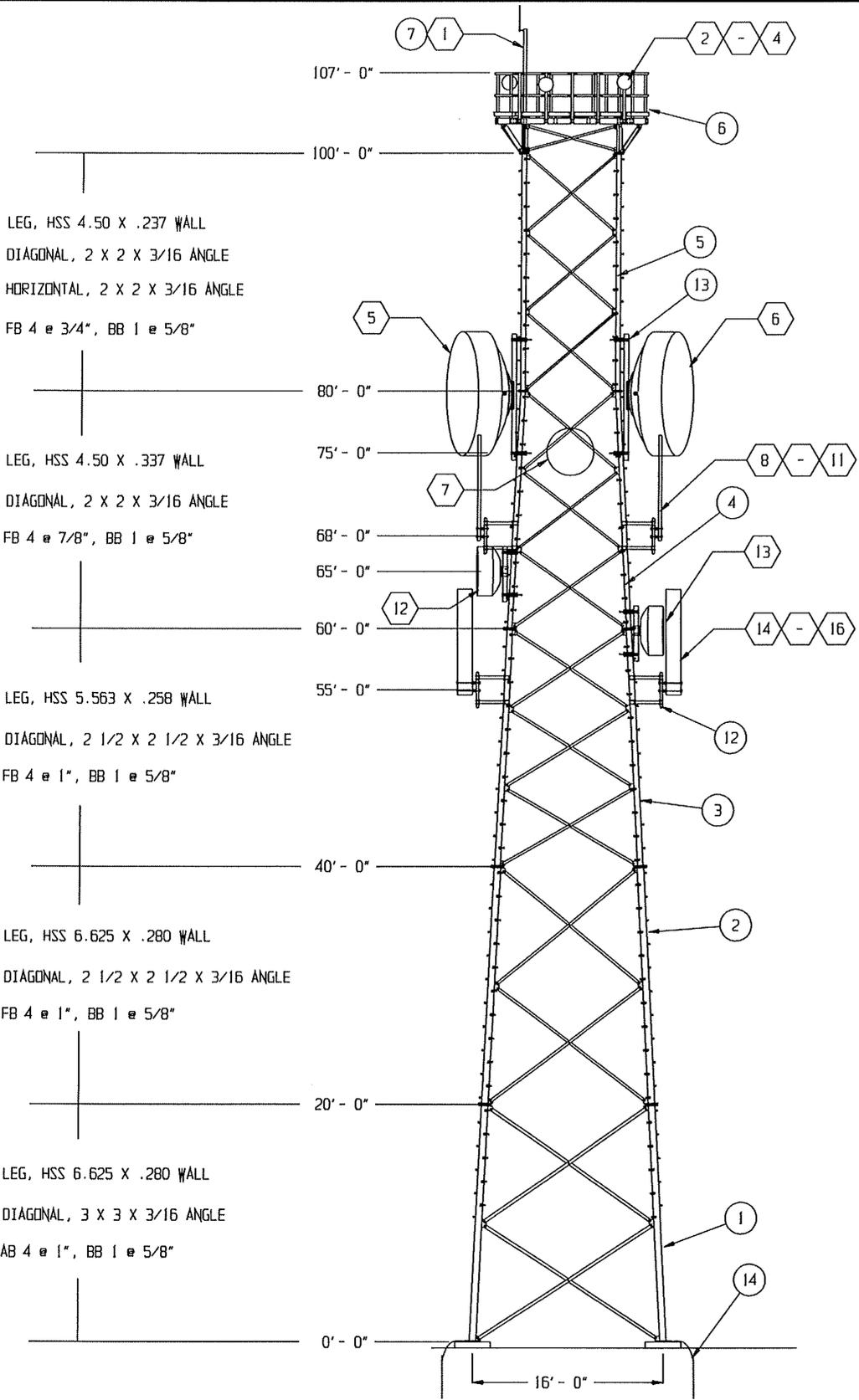
REV A. 7/27/2020 ADDED
OCCUPANCY AND CONSTRUCTION
TYPE.

ENGINEER:
TASHJIAN TOWERS CORP.
KARL K. TASHJIAN
2765 S TEMPERANCE AVE.
FOWLER, CA. 93625
(559) 834-4300 OFFICE
(559) 834-4377 FAX

OWNER:
TULARE COUNTY

JOB ADDRESS:
TULARE AKERS PROFESSIONAL CENTER
5300 WEST TULARE AVE.
VISALIA, CA 93277

PART NO.		<p>TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625</p>	
APPROVALS	DATE		
DRAWN	TAM 04/06/20	TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' TULARE COUNTY	
CHECKED		SIZE	REV.
ENG. APPD.		D	T1
DO NOT SCALE DRAWING		CAGE CODE	SHEET 1 OF
		SCALE NONE	



LEG, HSS 4.50 X .237 WALL
 DIAGONAL, 2 X 2 X 3/16 ANGLE
 HORIZONTAL, 2 X 2 X 3/16 ANGLE
 FB 4 e 3/4", BB 1 e 5/8"

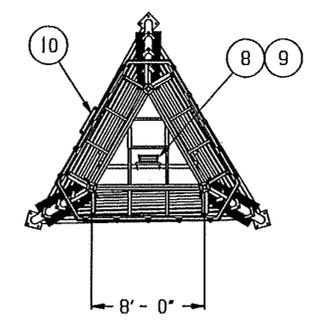
LEG, HSS 4.50 X .337 WALL
 DIAGONAL, 2 X 2 X 3/16 ANGLE
 FB 4 e 7/8", BB 1 e 5/8"

LEG, HSS 5.563 X .258 WALL
 DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ANGLE
 FB 4 e 1", BB 1 e 5/8"

LEG, HSS 6.625 X .280 WALL
 DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ANGLE
 FB 4 e 1", BB 1 e 5/8"

LEG, HSS 6.625 X .280 WALL
 DIAGONAL, 3 X 3 X 3/16 ANGLE
 AB 4 e 1", BB 1 e 5/8"

ELEVATION VIEW



PLAN VIEW

TOWER DESIGN LOADING

APPLICABLE DESIGN CODE/STANDARD:
 1. ANSI/TIA-222-H
 2. ASCE 7-16
 3. AISC 15th (LRFD)
 4. ACI 318-14
 5. 2019 CBC
 6. 2018 IBC

WIND DESIGN DATA:
 1. ASCE 7-16 & ANSI/TIA-222-H
 * BASIC WIND SPEED: 101-MPH, 3- SECOND GUST
 * SERVICE WIND SPEED: 60-MPH, 3-SECOND GUST
 2. RISK CATEGORY: III
 3. WIND EXPOSURE: C
 4. Kd = WIND DIRECTION PROBABILITY FACTOR: 0.85
 5. TOPOGRAPHIC CATEGORY: I
 * CREST HEIGHT: 0'
 6. WIND BASE SHEAR: 17 kips

EARTHQUAKE DESIGN DATA:
 1. RISK CATEGORY: III
 2. IMPORTANCE FACTOR, I.e.: 1.25
 3. SS:0.567g, SI:0.223g
 4. SITE CLASS: D
 5. SDS:0.509g, SDI:0.311g
 6. RESPONSE MODIFICATION COEFFICIENT, R: 3.0
 7. SEISMIC DESIGN CATEGORY: D
 8. SEISMIC BASE SHEAR: 3.3 kips
 9. ANALYSIS PROCEDURE: MODAL

FOUNDATION DESIGN DATA:
 1. FOUNDATION REACTIONS:
 * AXIAL = 17 kips
 * SHEAR = 17 kips
 * MOMENT = 1101 kip-ft
 2. GEOTECHNICAL INFORMATION
 * SOIL INVESTIGATION BY CONSOLIDATED TESTING
 LABORATORIES, FILE No. E2755-20,
 DATED MAY 29, 2020
 * ALLOWABLE = 2000 psf

PLATFORM DESIGN LOADING:
 1. LIVE LOAD (LL): 25 psf
 2. DEAD LOAD (DL): 30 psf

ANTENNA INFORMATION

ITEM #	ELEVATION	QUANTITY	ANT. TYPE	AZIM	PROJ'D AREA	LINE SIZE
①	100'	1 EA.	LIGHTNING ROD	N / A	2.7 SQ FT	-
②-④	95'	3 EA.	CCT OMNI Ø 15" X 15"	N / A	2.0 SQ FT	3 e 7/8"
⑤-⑥	80'	2 EA.	10' HP MICROWAVE DISH	N / A	78.54 SQ FT	2 e EW63
⑦	75'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 e EW63
⑧-⑩	68'	4 EA.	L16 #DPV-75 WHIP	N / A	2.0 SQ FT	4 e 7/8"
⑫	65'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 e EW63
⑬	60'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 e EW63
⑭-⑯	55'	3 EA.	CCT DIRECTIONAL ANTENNA	N / A	20 SQ FT	3 e 7/8"



14	1	.	BGK-3, TOWER GROUNDING ASSEMBLY (R56 SPECIFICATIONS)
13	5	.	DISH MOUNT ASSEMBLY
12	7	.	ANTENNA MOUNT ASSEMBLY
11	1	.	WAVEGUIDE BRIDGE ASSEMBLY
10	1	.	WAVEGUIDE LADDER ASSEMBLY
9	1	.	SAFETY CLIMB ASSEMBLY, 150'
8	1	.	CLIMB LADDER ASSEMBLY
7	1	.	TOP CAP/LIGHTNING ROD ASSEMBLY
6	1	.	PLATFORM ASSEMBLY
5	1	.	80'-100' SECTION ASSEMBLY
4	1	.	60'-80' SECTION ASSEMBLY
3	1	.	40'-60' SECTION ASSEMBLY
2	1	.	20'-40' SECTION ASSEMBLY
1	1	.	0'-20' SECTION ASSEMBLY

ITEM	QTY	PART NO.	NOMENCLATURE
REQD		IDENTIFYING NO.	OR DESCRIPTION
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			
DECIMALS	ANGLES		
.XX±.06	± 1/2		
.XXX±.030			
STRAIGHT EDGE .008			
MATERIAL	FINISH		

APPROVALS	DATE	TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOLLER, CALIF. 93625 TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' TULARE COUNTY			
DRAWN	TAM 04/07/20				
CHECKED					
ENG. APPD.		SIZE	CAGE CODE	DRAWING NO.	REV.
DO NOT SCALE DRAWING		D		S-1	
SCALE 1:110		SHEET 2 OF			

LEG, HSS 3.5 X .216 WALL
DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ANGLE
HORIZONTAL, 2 X 2 X 3/16 ANGLE
FB 4 @ 3/4", BB 1 @ 1/2"

LEG, HSS 3.5 X .216 WALL
DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ANGLE
FB 4 @ 3/4", BB 1 @ 1/2"

LEG, HSS 3.5 X .216 WALL
DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ANGLE
FB 4 @ 3/4", BB 1 @ 1/2"

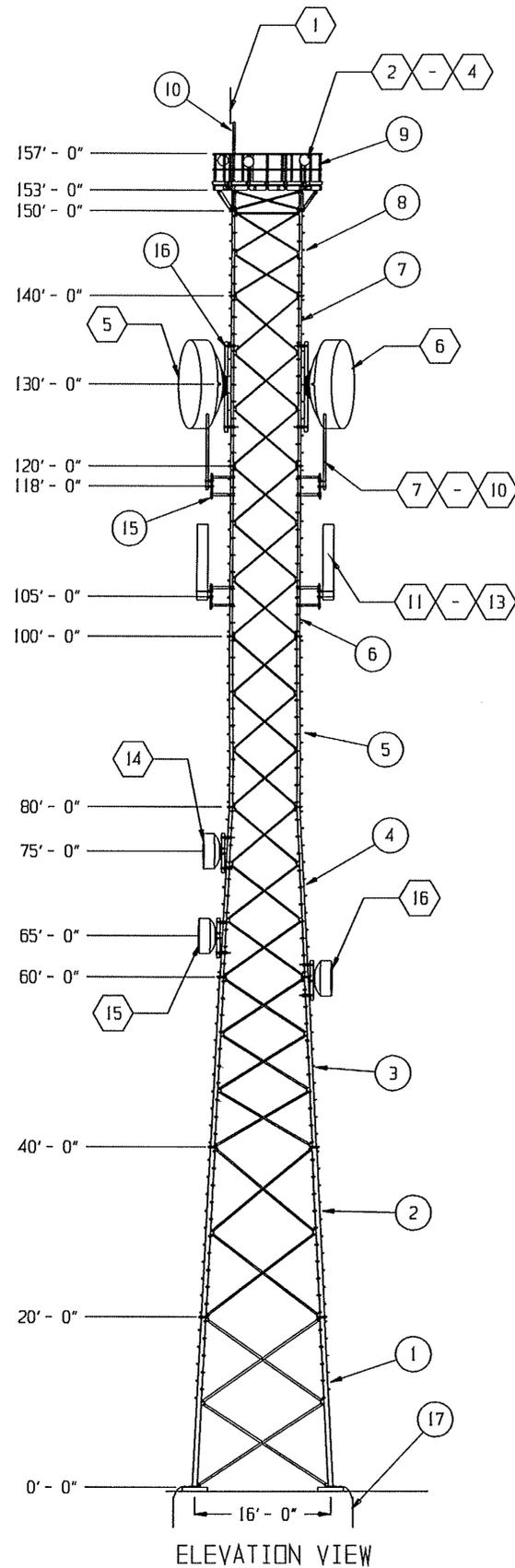
LEG, HSS 4.50 X .237 WALL
DIAGONAL, 2 X 2 X 3/16 ANGLE
HORIZONTAL, 2 X 2 X 3/16 ANGLE
FB 4 @ 3/4", BB 1 @ 5/8"

LEG, HSS 4.50 X .337 WALL
DIAGONAL, 2 X 2 X 3/16 ANGLE
FB 4 @ 7/8", BB 1 @ 5/8"

LEG, HSS 5.563 X .258 WALL
DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ANGLE
FB 4 @ 1", BB 1 @ 5/8"

LEG, HSS 6.625 X .280 WALL
DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ANGLE
FB 4 @ 1", BB 1 @ 5/8"

LEG, HSS 6.625 X .280 WALL
DIAGONAL, 3 X 3 X 3/16 ANGLE
AB 4 @ 1", BB 1 @ 5/8"



ELEVATION VIEW

TOWER DESIGN LOADING

APPLICABLE DESIGN CODE/STANDARD:

- ANSI/TIA-222-H
- ASCE 7-16
- AISC 15th (LRFD)
- ACI 318-14
- 2019 CBC
- 2018 IBC

WIND DESIGN DATA:

- ASCE 7-16 & ANSI/TIA-222-H
 - BASIC WIND SPEED: 101-MPH, 3- SECOND GUST
 - SERVICE WIND SPEED: 60-MPH, 3-SECOND GUST
- RISK CATEGORY: III
- WIND EXPOSURE: C
- Kd = WIND DIRECTION PROBABILITY FACTOR: 0.85
- TOPOGRAPHIC CATEGORY: I
 - CREST HEIGHT: 0'
- WIND BASE SHEAR: 22 kips

EARTHQUAKE DESIGN DATA:

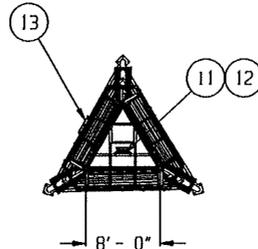
- RISK CATEGORY: III
- IMPORTANCE FACTOR, I.e.: 1.25
- SS:0.567g, SI:0.223g
- SITE CLASS: D
- SOS:0.509g, SDI:0.311g
- RESPONSE MODIFICATION COEFFICIENT, R: 3.0
- SEISMIC DESIGN CATEGORY: D
- SEISMIC BASE SHEAR: 1.9 kips
- ANALYSIS PROCEDURE: MODAL

FOUNDATION DESIGN DATA:

- FOUNDATION REACTIONS:
 - AXIAL = 21 kips
 - SHEAR = 22 kips
 - MOMENT = 2082 kip-ft
- GEOTECHNICAL INFORMATION
 - SOIL INVESTIGATION BY CONSOLIDATED TESTING LABORATORIES, FILE No. E2755-20, DATED MAY 29, 2020
 - BALLOWABLE = 2000 psf

PLATFORM DESIGN LOADING:

- LIVE LOAD (LL): 25 psf
- DEAD LOAD (DL): 30 psf



PLAN VIEW

ANTENNA INFORMATION

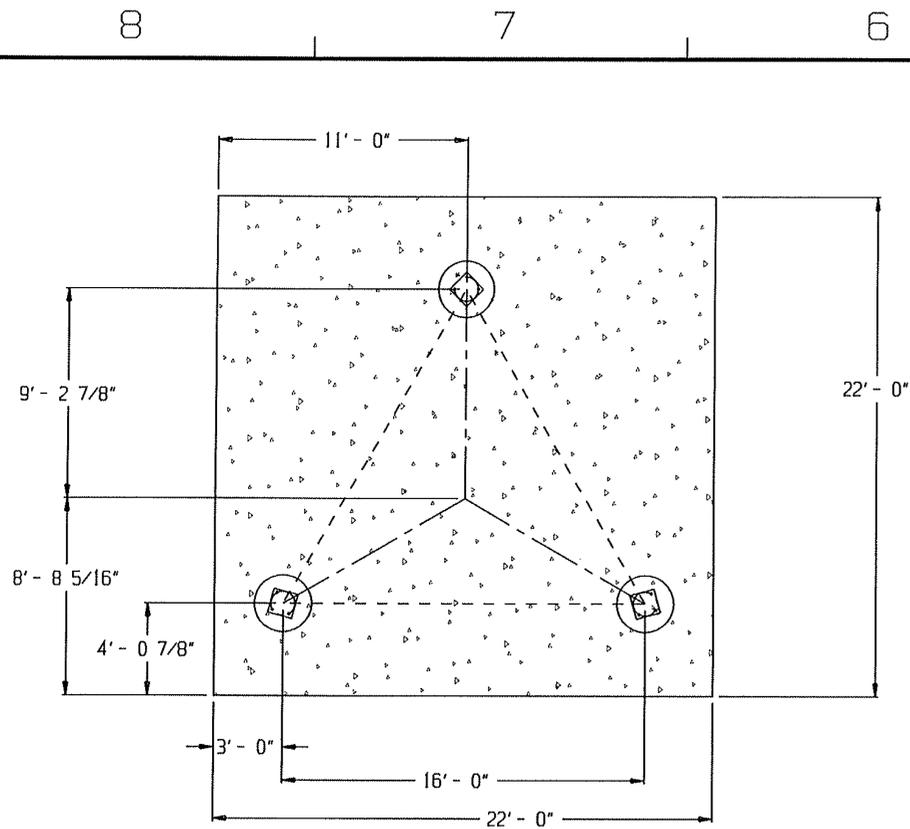
ITEM #	ELEVATION	QUANTITY	ANT. TYPE	AZIM	PROJ'D AREA	LINE SIZE
1	150'	1 EA.	LIGHTNING ROD	N / A	2.7 SQ FT	-
2-4	145'	3 EA.	CCT OMNI Ø 15" X 15"	N / A	2.0 SQ FT	3 @ 7/8"
5-6	130'	2 EA.	10' HP MICROWAVE DISH	N / A	78.54 SQ FT	2 @ EW63
7-10	118'	4 EA.	L16 #DPV-75 WHIP	N / A	2.0 SQ FT	4 @ 7/8"
11-13	105'	3 EA.	CCT DIRECTIONAL ANTENNA	N / A	20 SQ FT	3 @ 7/8"
14	75'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 @ EW63
15	65'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 @ EW63
16	60'	1 EA.	4' HP MICROWAVE DISH	N / A	12.54 SQ FT	1 @ EW63



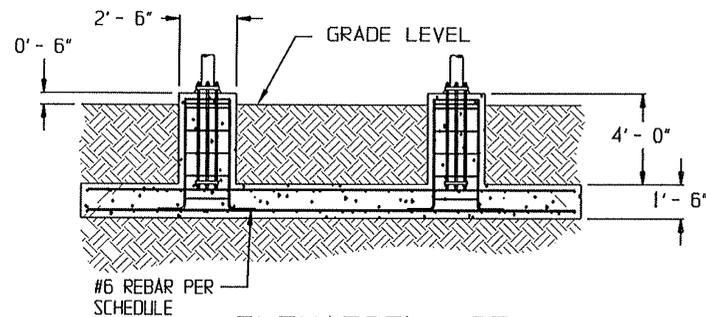
FUTURE EXTENDED TOWER

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
17	1	.	BGK-3, TOWER GROUNDING ASSEMBLY (R56 SPECIFICATIONS)
16	5	.	DISH MOUNT ASSEMBLY
15	7	.	ANTENNA MOUNT ASSEMBLY
14	1	.	WAVEGUIDE BRIDGE ASSEMBLY
13	1	.	WAVEGUIDE LADDER ASSEMBLY
12	1	.	SAFETY CLIMB ASSEMBLY, 150'
11	1	.	CLIMB LADDER ASSEMBLY
10	1	.	TOP CAP/LIGHTNING ROD ASSEMBLY
9	1	.	PLATFORM ASSEMBLY
8	1	.	140'-150' SECTION ASSEMBLY
7	1	.	120'-140' SECTION ASSEMBLY
6	1	.	100'-120' SECTION ASSEMBLY
5	1	.	80'-100' SECTION ASSEMBLY
4	1	.	60'-80' SECTION ASSEMBLY
3	1	.	40'-60' SECTION ASSEMBLY
2	1	.	20'-40' SECTION ASSEMBLY
1	1	.	0'-20' SECTION ASSEMBLY

PARTS LIST		APPROVALS		DATE	TASHJIAN TOWER CORPORATION		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS .XX±.06 .XXX±.030	ANGLES ± 1/2	DRAWN TAM		04/07/20	2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
MATERIAL	FINISH	DO NOT SCALE DRAWING	CHECKED		TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' TULARE COUNTY		
SCALE 1:110		SIZE D	CAGE CODE	DRAWING NO. S-2	REV.	SHEET 3 OF	



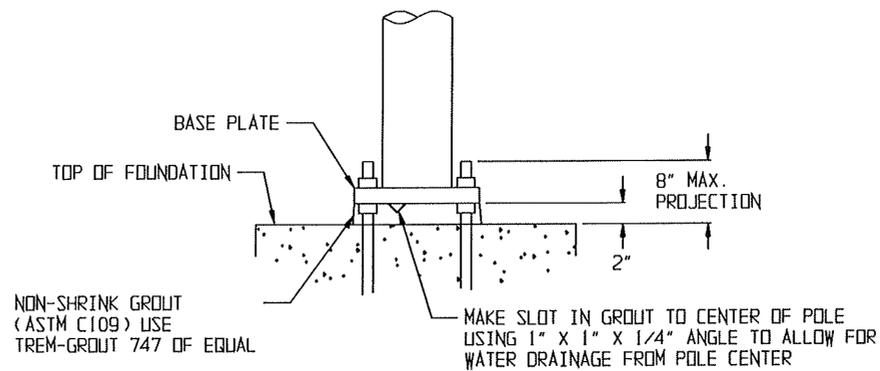
PLAN VIEW



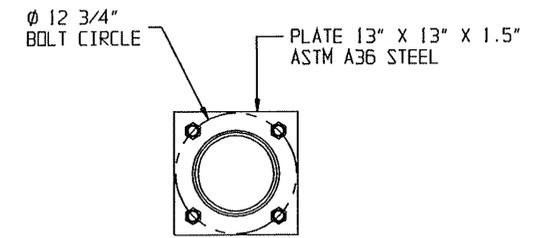
ELEVATION VIEW

NOTES:

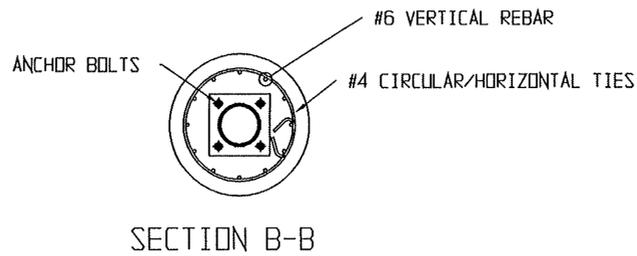
- FOUNDATION DESIGN IS BASED ON SOILS INVESTIGATION BY CONSOLIDATED TESTING LABORATORIES, FILE NO. E2755-20, DATED MAY 29, 2020.
- ALL EXCAVATIONS AND SITE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
- CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. THE CONCRETE MIXTURE SHALL CONSIST OF TYPE 2 CEMENT AND A MAXIMUM AGGREGATE SIZE OF 1". THE REQUIREMENTS FOR CONCRETE AND REBAR DETAILING SHALL BE IN ACCORDANCE WITH ACI 318-14.
- REBAR TO CONFORM TO ASTM SPECIFICATION A615 GRADE 60.
- ALL REBAR TO HAVE A MINIMUM 3" CONCRETE COVER.
- ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED 3/4".
- THE BOTTOM ANCHOR BOLT TEMPLATE SHALL BE POSITIONED AS CLOSELY AS POSSIBLE TO THE BOTTOM OF THE ANCHOR BOLTS.
- COMPACTED ENGINEERING FILL ABOVE BURIED SLAB SHALL HAVE A MINIMUM DENSITY OF 100 PCF.
- THE FOOTING SHALL BEAR UPON UNDISTURBED SOIL OR BACKFILL SOIL HAVING A MINIMUM RELATIVE COMPACTION OF 95%.



GROUTING DETAIL

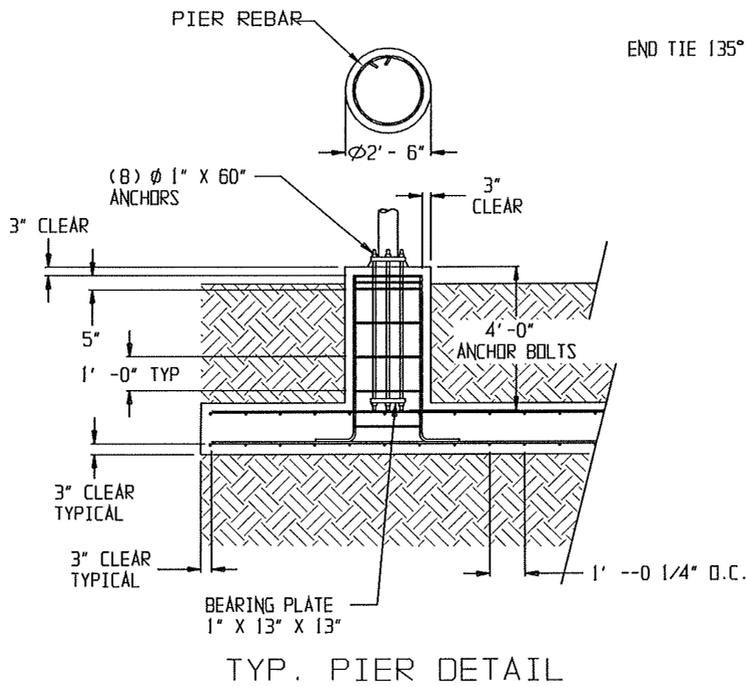


BASE PLATE DETAIL

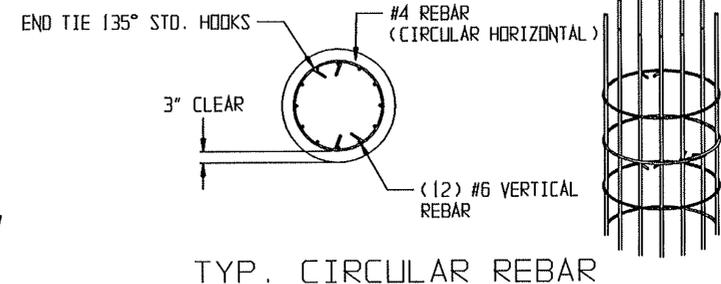


SECTION B-B

REBAR SCHEDULE PER MAT AND PIER	
PIER	(12) #6 VERTICAL REBAR W/90° STANDARD ACI HOOKS AT BOTTOM W/#4 REBAR TIES, (3) WITHIN TOP 5" OF PIER THEN 12" C/C
MAT	12.25" O.C. (22) #6 HORIZONTAL REBAR EVENLY SPACED EACH WAY TOP AND BOTTOM. (88 TOTAL)
ANCHOR BOLTS PER LEG	
(4) 1" DIA, X 60" F1554-105 ON A 12-3/4" B.C. W/8" MAX. PROJECTION ABOVE CONCRETE.	
TOTAL CONCRETE VOLUME: 29.07 CUBIC YARDS	

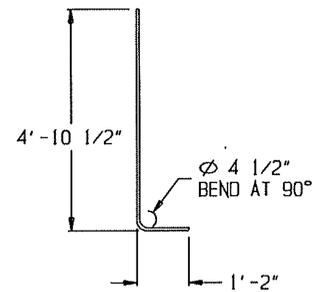


TYP. PIER DETAIL



TYP. CIRCULAR REBAR

STAGGER CIRCULAR TIES AS SHOWN



TYP. VERTICAL REBAR

PART NO.		TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
APPROVALS	DATE	TITLE 100' SELF SUPPORT TOWER EXTENDABLE TO 150' PAD FOUNDATION	
DRAWN	03/20/20	SIZE	DRAWING NO.
CHECKED		D	S-3
ENG. APPD.		SCALE NONE	SHEET 4 OF

NOTES:

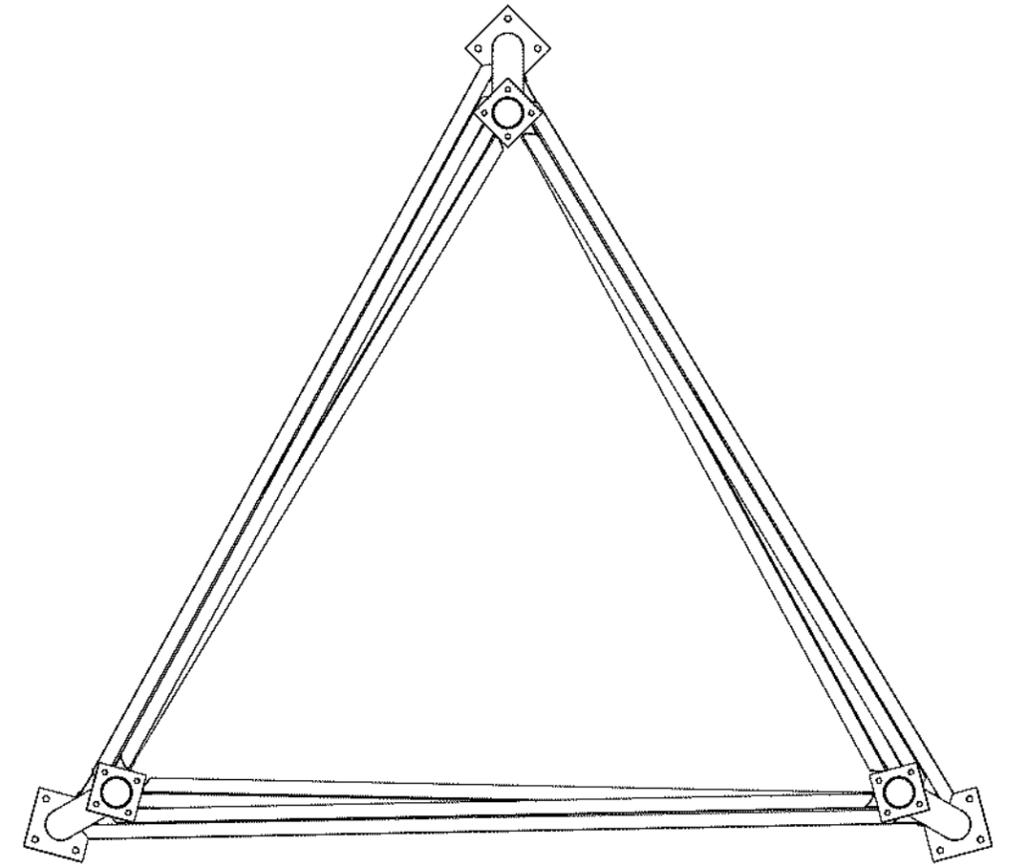
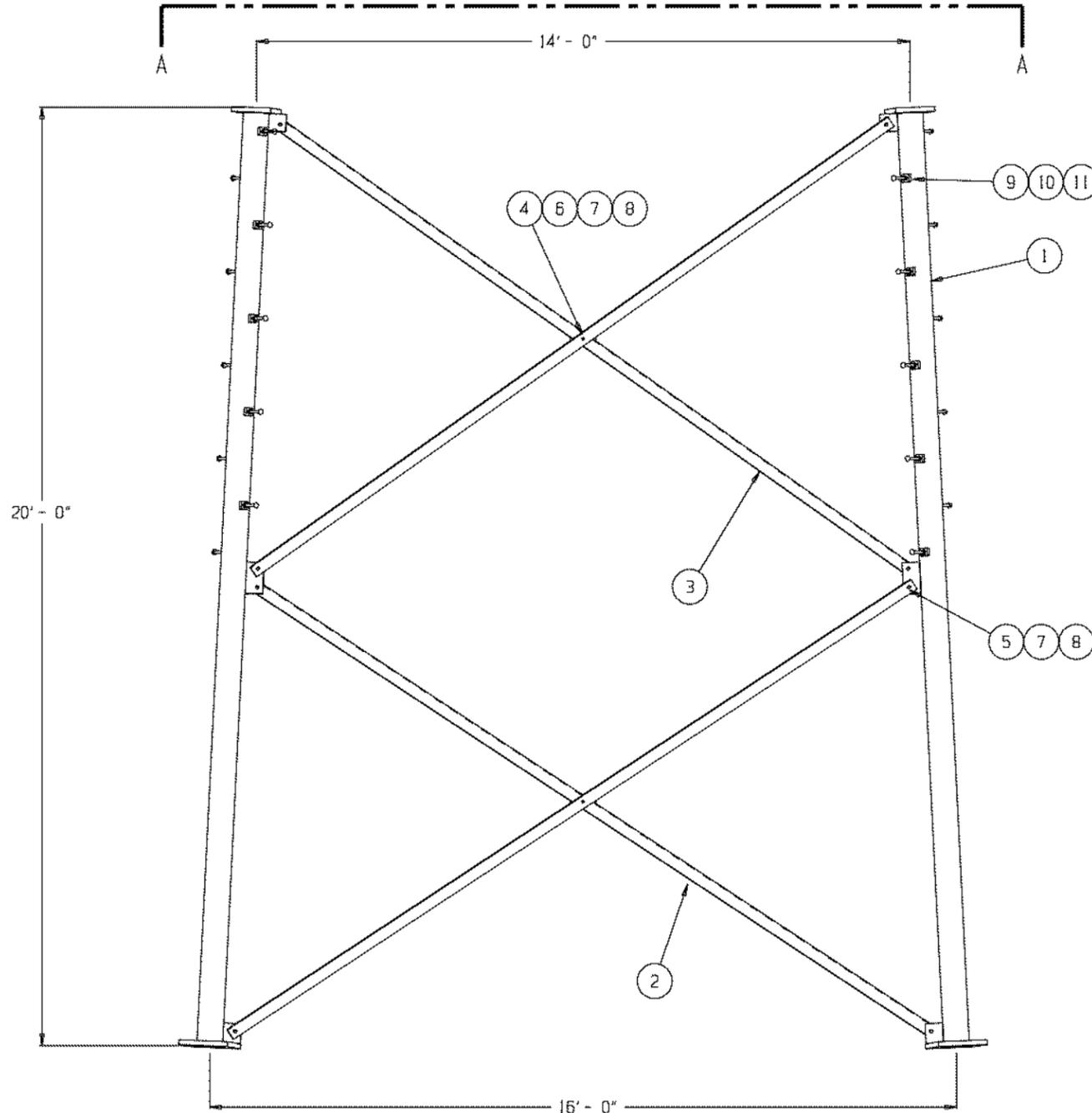
1. ALL ASTM A325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION.

A SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

2. TOWER LEG TO BE ORIENTED SUCH THAT PART NUMBER IS AT THE BASE OF SECTION.

3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

ITEM	QTY	PART NO.	NOMENCLATURE
REQD		IDENTIFYING NO.	OR DESCRIPTION
13	-	-	-
12	-	-	-
11	60		NUT, 5/8-11 UNC HEAVY HEX GALV
10	30		LOCKWASHER, 5/8 GALV
9	30		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
8	30		NUT, 5/8-11 UNC HEAVY HEX GALV
7	30		LOCKWASHER, 5/8 GALV
6	6		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 2
5	24		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 1 1/2
4	6		SPACER, 3 X 3 X 3/8
3	6		TOP DIAGONAL, 3 X 3 X 3/16 ASTM A36 ANGLE X
2	6		BOTTOM DIAGONAL, 3 X 3 X 3/16 ASTM A36 ANGLE X
1	3		0'-20' LEG WELDMENT, HSS Ø 6.625 X .280 WALL ASTM A500 GR B

PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS .XX ± .06	ANGLES 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	04/06/20
FINISH		CHECKED	
		ENG. APPD.	
DO NOT SCALE DRAWING		TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
		TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' 0'-20' SECTION ASSEMBLY	
SIZE D	CAGE CODE	DRAWING NO. S-4	REV.
SCALE 1:20		SHEET 5 OF	

NOTES:

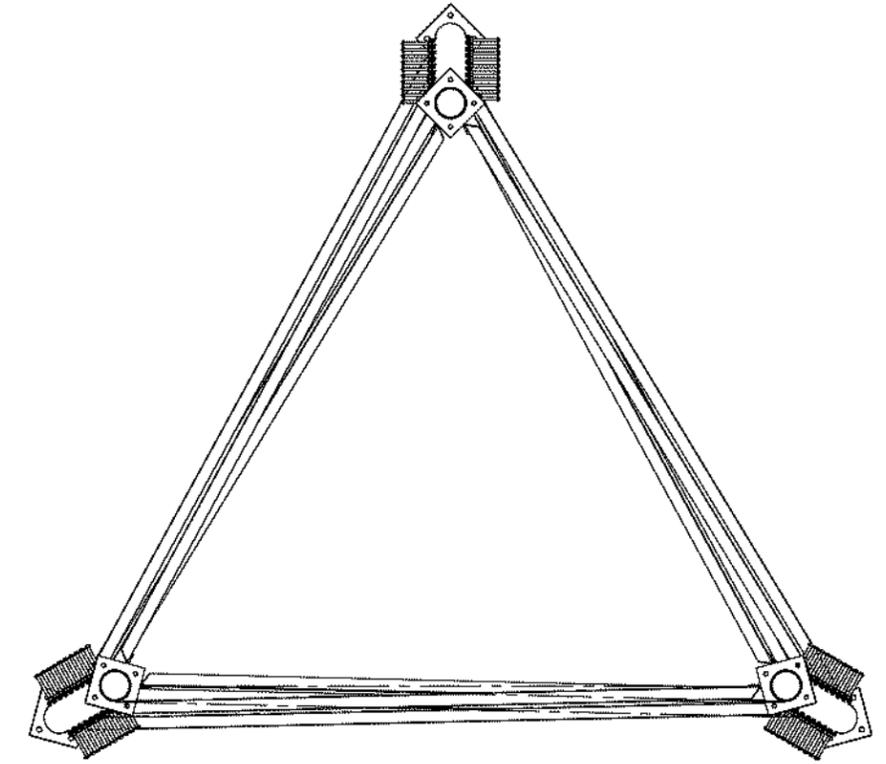
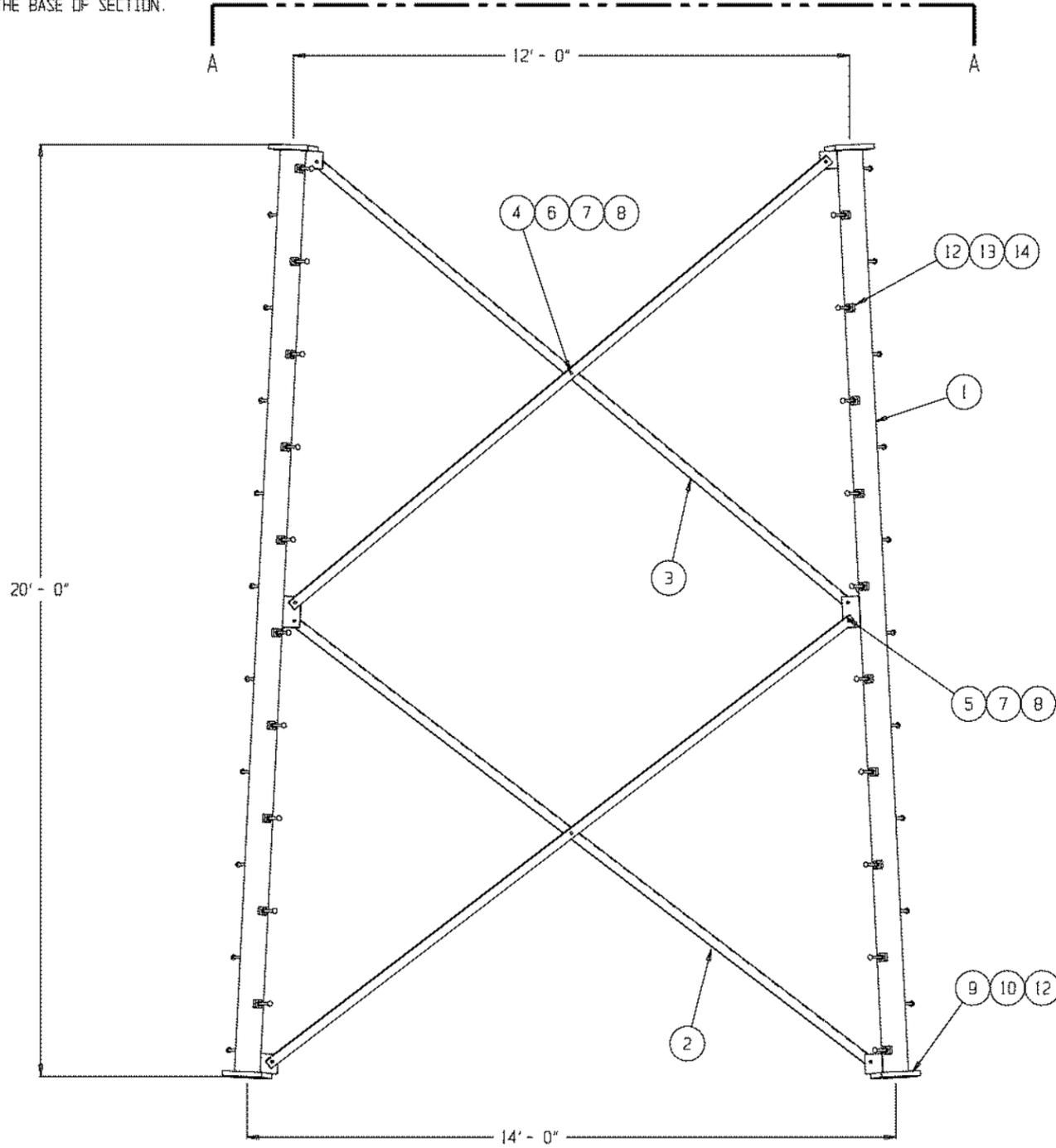
1. ALL ASTM A325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION.

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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

2. TOWER LEG TO BE ORIENTED SUCH THAT PART NUMBER IS AT THE BASE OF SECTION.

3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
15			
14	120		NUT, 5/8-11 UNC HEAVY HEX GALV
13	60		LOCKWASHER, 5/8 GALV
12	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
11	12		NUT, 1-8 UNC HEAVY HEX GALV
10	12		LOCKWASHER, 1 GALV
9	12		BOLT, 1-8 UNC HEX HD ASTM A325 GALV X 4
8	30		NUT, 5/8-11 UNC HEAVY HEX GALV
7	30		LOCKWASHER, 5/8 GALV
6	6		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 2
5	24		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 1 1/2
4	6		SPACER, 2 1/2 X 2 1/2 X 3/8
3	6		TOP DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ASTM A36 ANGLE X
2	6		BOTTOM DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ASTM A36 ANGLE X
1	3		20'-40' LEG WELDMENT, HSS Ø 6.625 X .28 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
DECIMALS .XX.XX	ANGLES 1/2	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	04/06/20
FINISH		CHECKED	
		ENG. APPD.	
DO NOT SCALE DRAWING		SCALE 1:20	SHEET 6 OF 6

NOTES:

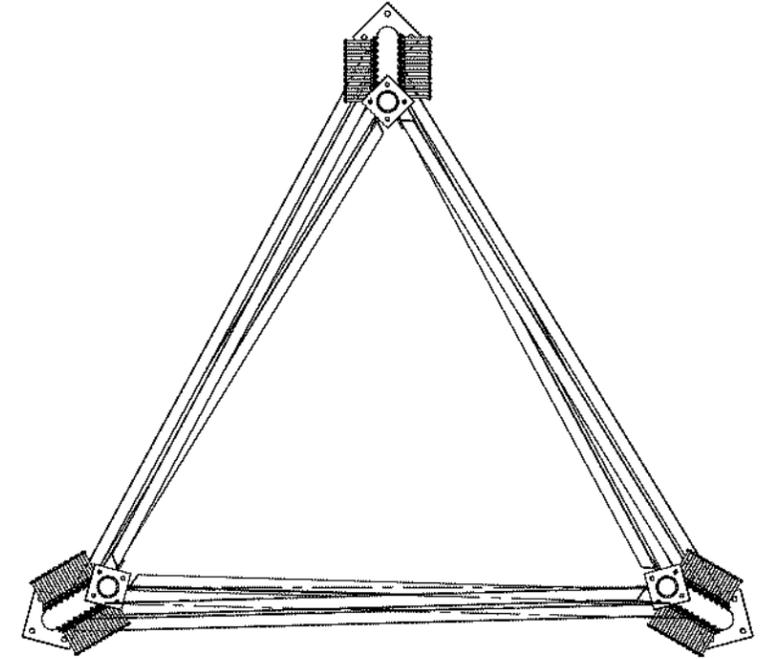
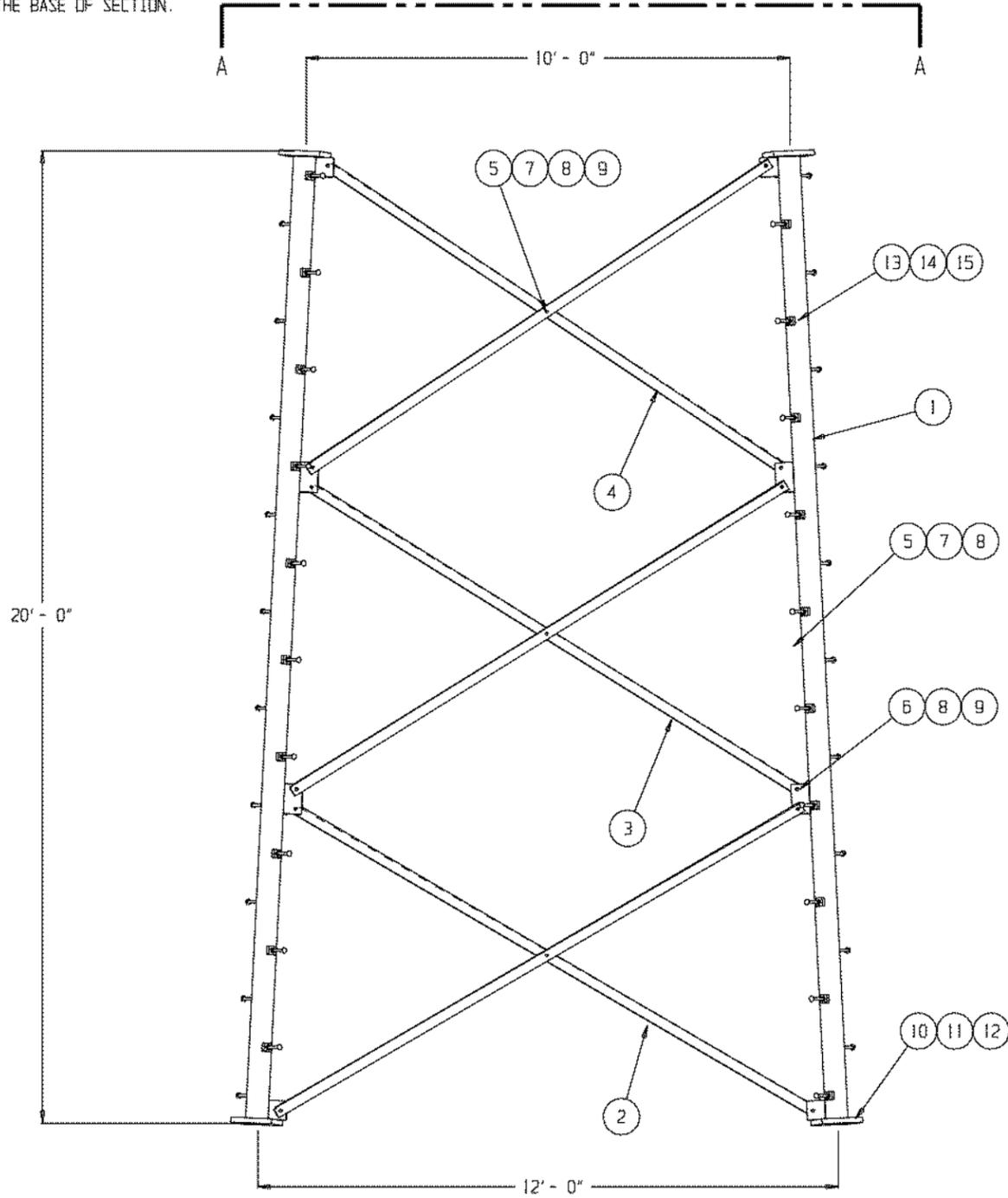
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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

2. TOWER LEG TO BE ORIENTED SUCH THAT PART NUMBER IS AT THE BASE OF SECTION.

3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
15	120		NUT, 5/8-11 UNC HEAVY HEX GALV
14	60		LOCKWASHER, 5/8 GALV
13	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
12	12		NUT, 1-8 UNC HEAVY HEX GALV
11	12		LOCKWASHER, 1 GALV
10	12		BOLT, 1-8 UNC HEX HD ASTM A325 GALV X 4
9	45		NUT, 5/8-11 UNC HEAVY HEX GALV
8	45		LOCKWASHER, 5/8 GALV
7	9		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 2
6	36		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 1 1/2
5	9		SPACER, 2 1/2 X 2 1/2 X 3/8
4	6		TOP DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ASTM A36 ANGLE X
3	6		MID DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ASTM A36 ANGLE X
2	6		BOTTOM DIAGONAL, 2 1/2 X 2 1/2 X 3/16 ASTM A36 ANGLE X
1	3		40'-60' LEG WELDMENT, HSS Ø 5.563 X .258 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
DECIMALS .XX.XX	ANGLES 1/2	TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' 40'-60' SECTION ASSEMBLY	
STRAIGHT EDGE .008		APPROVALS	DATE 04/06/20
FINISH		DRAWN	
DO NOT SCALE DRAWING		CHECKED	
		ENG. APPD.	
		SIZE D	CAGE CODE S-6
		SCALE 1:20	DRAWING NO. SHEET 7 OF

NOTES:

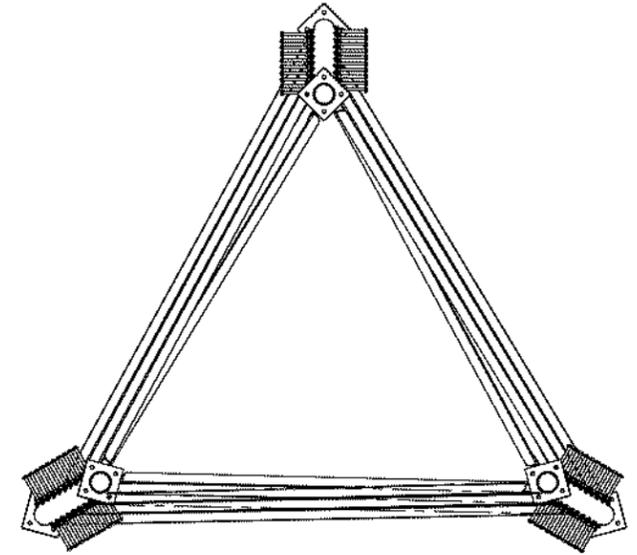
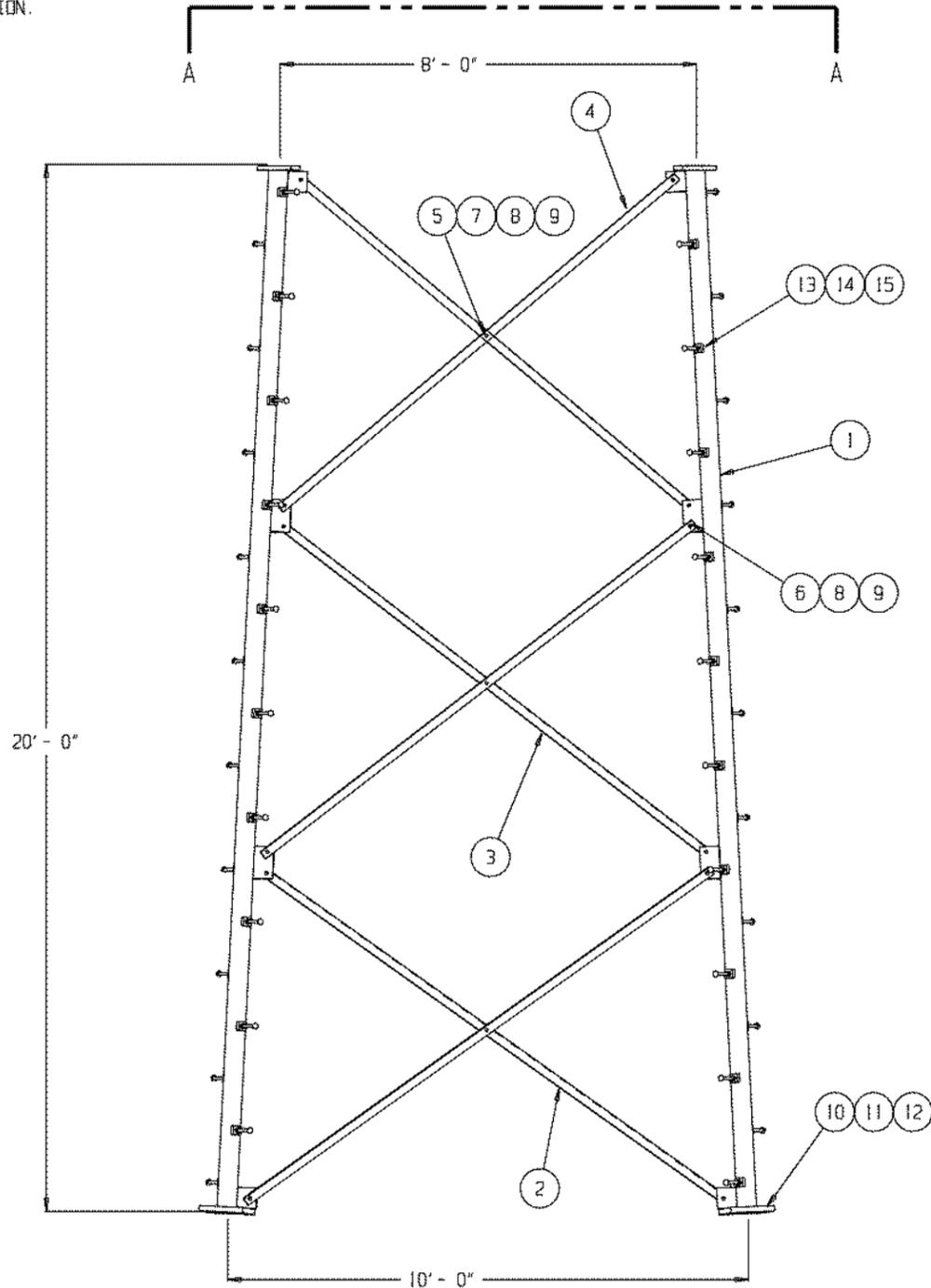
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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

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3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
15	120		NUT, 5/8-11 UNC HEAVY HEX GALV
14	60		LOCKWASHER, 5/8 GALV
13	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
12	12		NUT, 7/8-9 UNC HEAVY HEX GALV
11	12		LOCKWASHER, 7/8 GALV
10	12		BOLT, 7/8-9 UNC HEX HD ASTM A325 GALV X 4
9	45		NUT, 5/8-11 UNC HEAVY HEX GALV
8	45		LOCKWASHER, 5/8 GALV
7	9		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 2
6	36		BOLT, 5/8-11 UNC HEX HD ASTM A325 X 1 1/2
5	9		SPACER, 2 X 2 X 3/8
4	6		TOP DIAGONAL, 2 X 2 X 3/16 ASTM A36 ANGLE X
3	6		MID DIAGONAL, 2 X 2 X 3/16 ASTM A36 ANGLE X
2	6		BOTTOM DIAGONAL, 2 X 2 X 3/16 ASTM A36 ANGLE X
1	3		60'-80' LEG WELDMENT, HSS @ 4.50 X .337 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS .XX.XX .06 .XXX.X .030	ANGLES 1/2	STRAIGHT EDGE .008
MATERIAL	FINISH	DO NOT SCALE DRAWING	SCALE 1:20
PART NO.	APPROVALS	DATE	04/07/20
DRAWN	CHECKED	ENG. APPD.	
TITLE		SIZE	CAGE CODE
100' SELF-SUPPORT TOWER EXTENDABLE TO 150' 60'-80' SECTION ASSEMBLY		D	
DRAWING NO.		REV.	S-7
SHEET 8 OF			

NOTES:

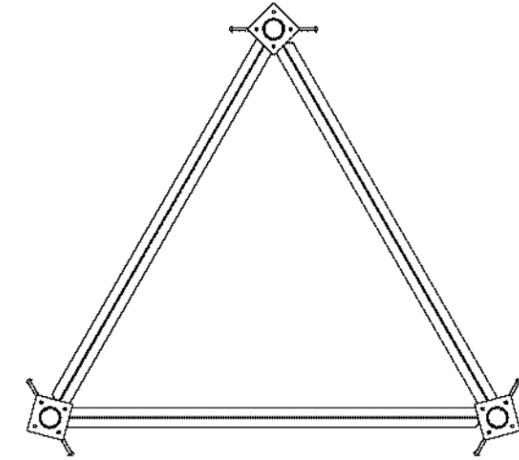
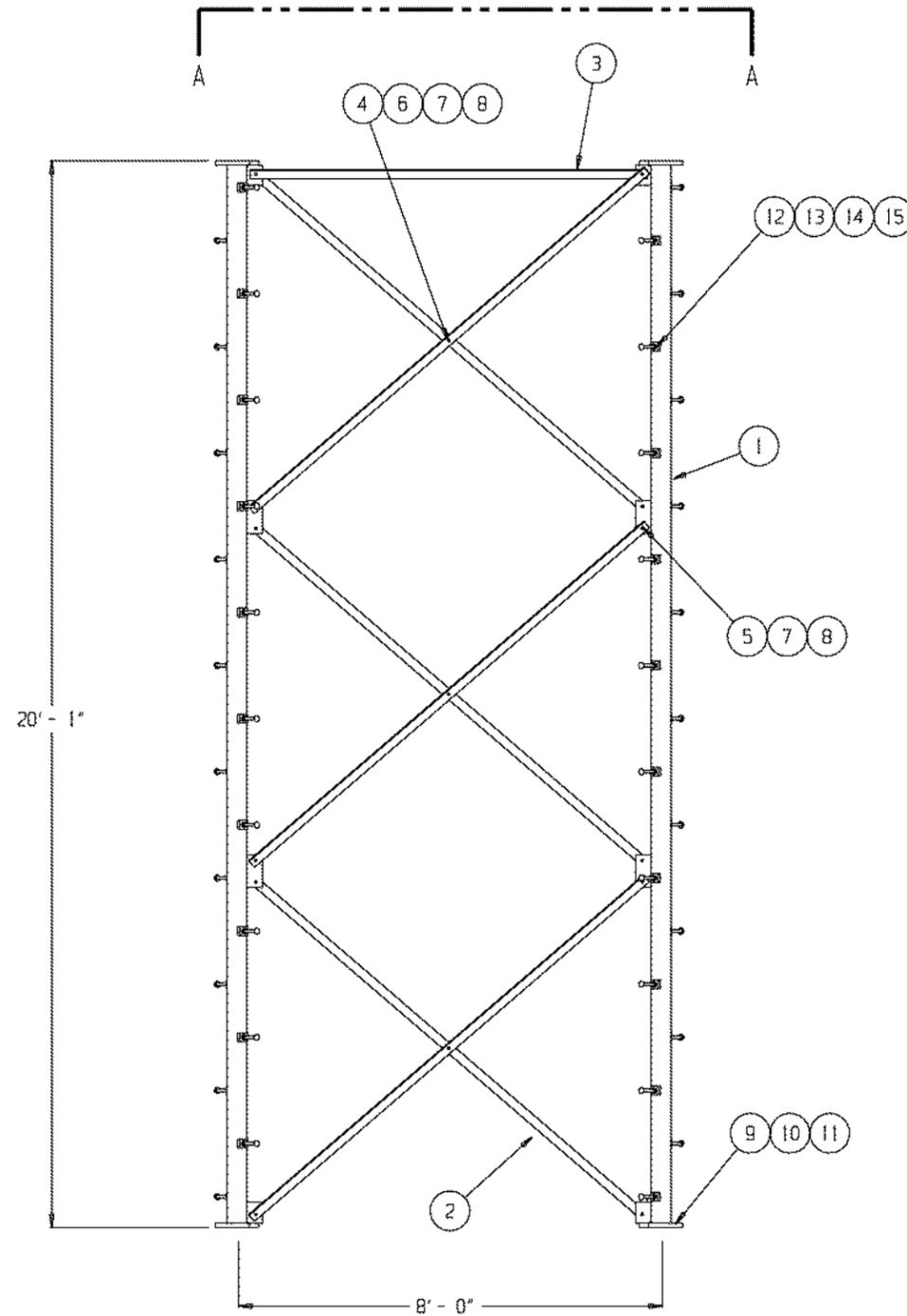
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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

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3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
16			
15	60		NUT, 5/8-11 UNC JAM HEX GALV
14	60		NUT, 5/8-11 UNC HEAVY HEX GALV
13	60		LOCKWASHER, 5/8 GALV
12	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
11	12		NUT, 3/4-10 UNC HEAVY HEX GALV
10	12		LOCKWASHER, 3/4 GALV
9	12		BOLT, 3/4-10 UNC HEX HD ASTM A325 GALV X 3 1/2
8	45		NUT, 5/8-11 UNC HEAVY HEX GALV
7	45		LOCKWASHER, 5/8 GALV
6	15		BOLT, 5/8-11 UNC HEX HD ASTM A325 GALV X 2
5	30		BOLT, 5/8-11 UNC HEX HD ASTM A325 GALV X 1 1/2
4	9		SPACER, 2 X 2 X 3/8
3	3		HORIZONTAL, 2 X 2 X 3/16 ASTM A36 ANGLE X
2	18		DIAGONAL, 2 X 2 X 3/16 ASTM A36 ANGLE X
1	3		80'-100' LEG WELDMENT, HSS Ø 4.50 X .237 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
DECIMALS .XX.XX	ANGLES 1/2	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	04/07/20
FINISH		CHECKED	
		ENG. APPD.	
DO NOT SCALE DRAWING		SCALE 1:20	SHEET 9 OF

NOTES:

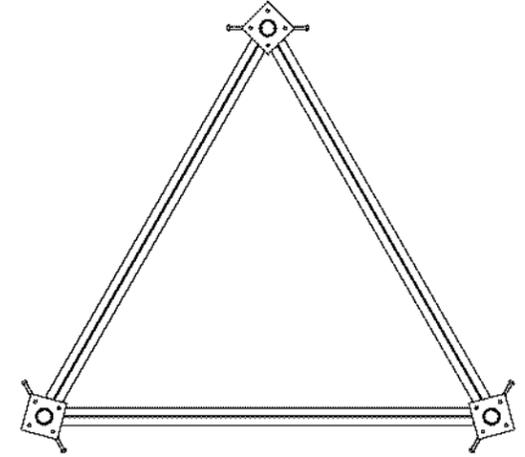
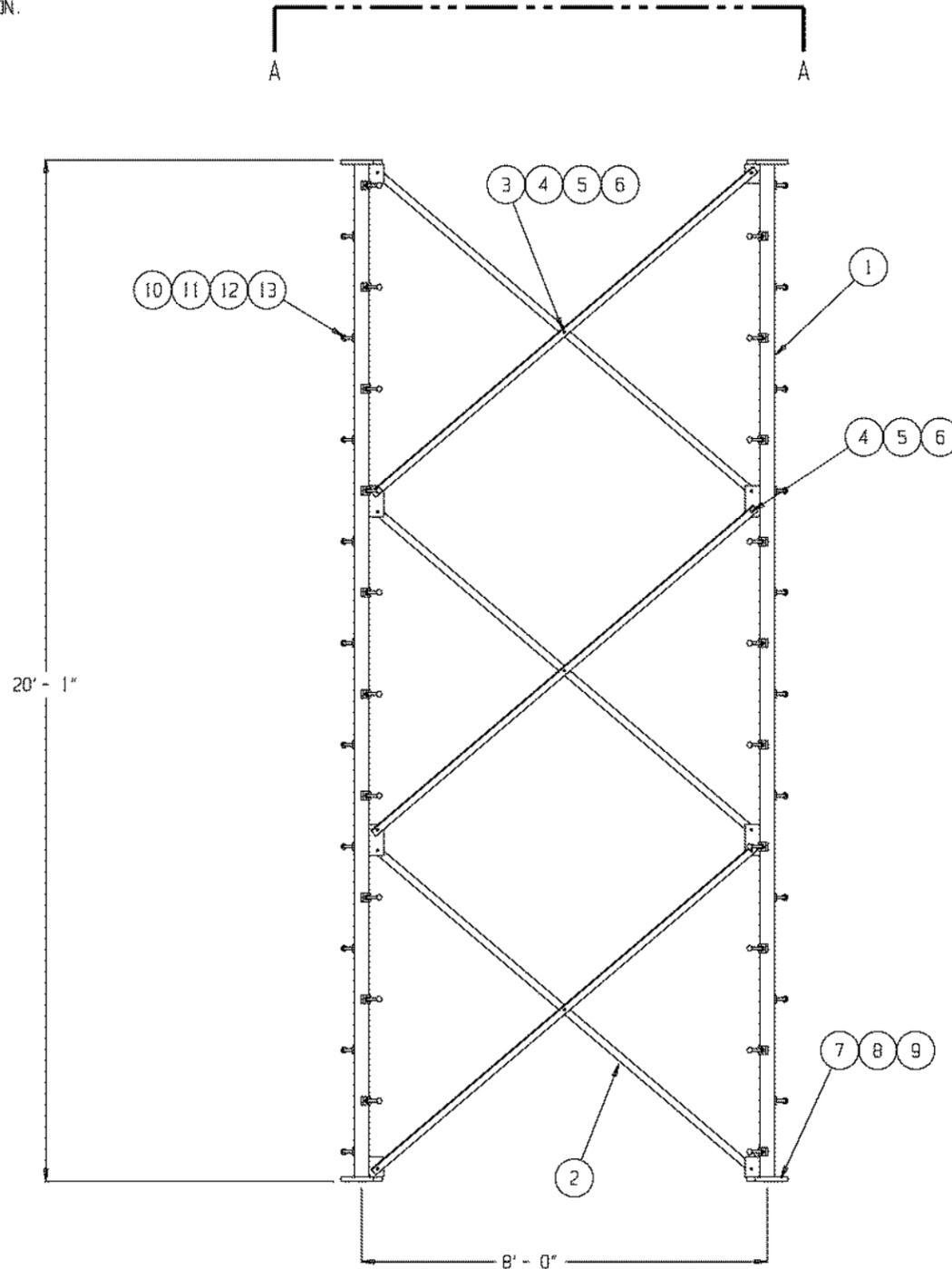
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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

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3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

FUTURE SECTION

13	60		NUT, 5/8-11 UNC JAM HEX GALV
12	60		NUT, 5/8-11 UNC HEAVY HEX GALV
11	60		LOCKWASHER, 5/8 GALV
10	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
9	12		NUT, 3/4-10 UNC HEAVY HEX GALV
8	12		LOCKWASHER, 3/4 GALV
7	12		BOLT, 3/4-10 UNC HEX HD ASTM A325 GALV X 3 1/2
6	45		NUT, 1/2-13 UNC HEAVY HEX GALV
5	45		LOCKWASHER, 1/2 GALV
4	45		BOLT, 1/2-13 UNC HEX HD ASTM A325 X 1 1/2
3	9		SPACER, 1 3/4 X 1 3/4 X 1/4
2	18		DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ASTM A36 ANGLE X
1	3		100'-120' LEG WELDMENT, HSS Ø 3.50 X .216 WALL ASTM A500 GR B
ITEM	QTY	PART NO.	NOMENCLATURE
	REQD	IDENTIFYING NO.	OR DESCRIPTION
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			
DECIMALS	ANGLES		
.XXx.06	± 1/2		
.XXXx.030			
STRAIGHT EDGE	.008		
MATERIAL		PART NO.	
FINISH		APPROVALS	DATE
		DRAWN	04/07/20
		CHECKED	
		ENG. APPD.	
DO NOT SCALE DRAWING		TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
		TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' 100'-120' SECTION ASSEMBLY	
SIZE	D	CAGE CODE	DRAWING NO. S-9
SCALE	1:20		REV.
			SHEET 10 OF

NOTES:

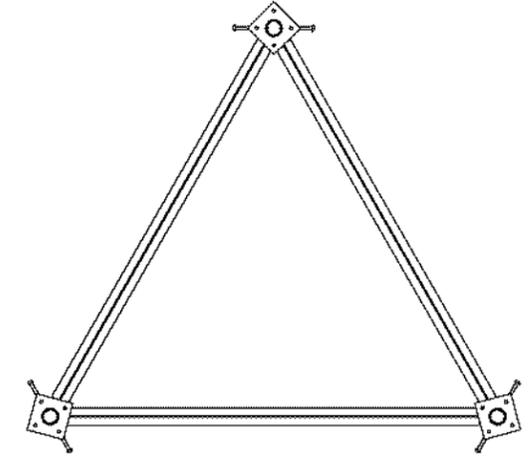
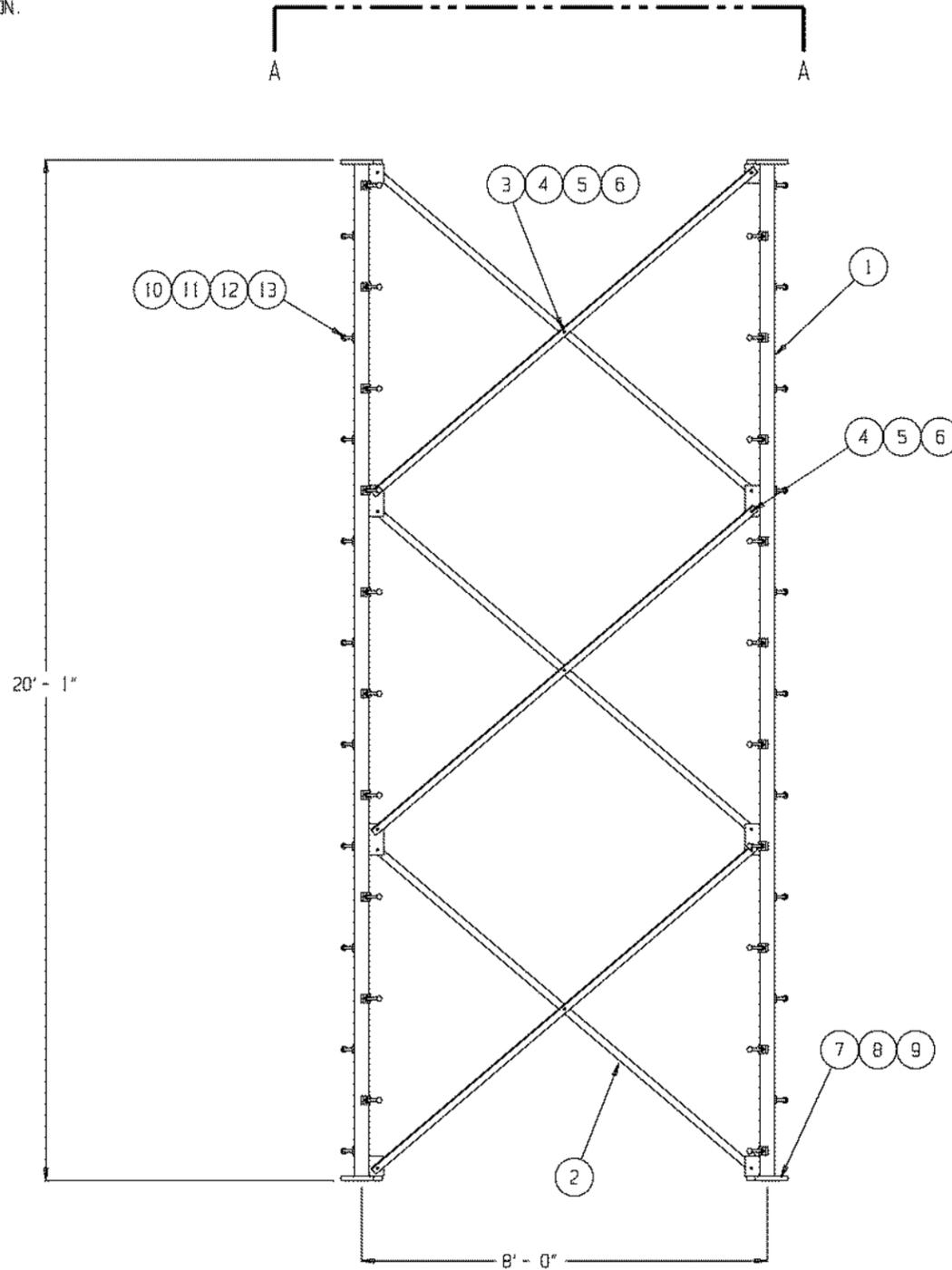
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REF.: "SPECIFICATION FOR ASTM A325 OR A490 BOLTS" MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, AISC, 14TH EDITION, 2011, PAGE 16.2xi.

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3. BASE SECTIONS DO NOT INCLUDE FLANGE BOLTS.



VIEW A-A

FUTURE SECTION

ITEM	QTY	PART NO.	NOMENCLATURE
	REQD	IDENTIFYING NO.	OR DESCRIPTION
13	60		NUT, 5/8-11 UNC JAM HEX GALV
12	60		NUT, 5/8-11 UNC HEAVY HEX GALV
11	60		LOCKWASHER, 5/8 GALV
10	60		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
9	12		NUT, 3/4-10 UNC HEAVY HEX GALV
8	12		LOCKWASHER, 3/4 GALV
7	12		BOLT, 3/4-10 UNC HEX HD ASTM A325 GALV X 3 1/2
6	45		NUT, 1/2-13 UNC HEAVY HEX GALV
5	45		LOCKWASHER, 1/2 GALV
4	45		BOLT, 1/2-13 UNC HEX HD ASTM A325 X 1 1/2
3	9		SPACER, 1 3/4 X 1 3/4 X 1/4
2	18		DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ASTM A36 ANGLE X
1	3		120'-140' LEG WELDMENT, HSS Ø 3.50 X .216 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	PART NO.	2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
DECIMALS .XX.XX	APPROVALS	TITLE	100' SELF-SUPPORT TOWER
ANGLES .XXX.X	DATE	EXTENDABLE TO 150'	
STRAIGHT EDGE .009	04/07/20	120'-140' SECTION ASSEMBLY	
MATERIAL	DRAWN	SIZE	D
	CHECKED	DRAWING NO.	S-10
	ENG. APPD.	SCALE	1:20
DO NOT SCALE DRAWING			SHEET 11 OF

NOTES:

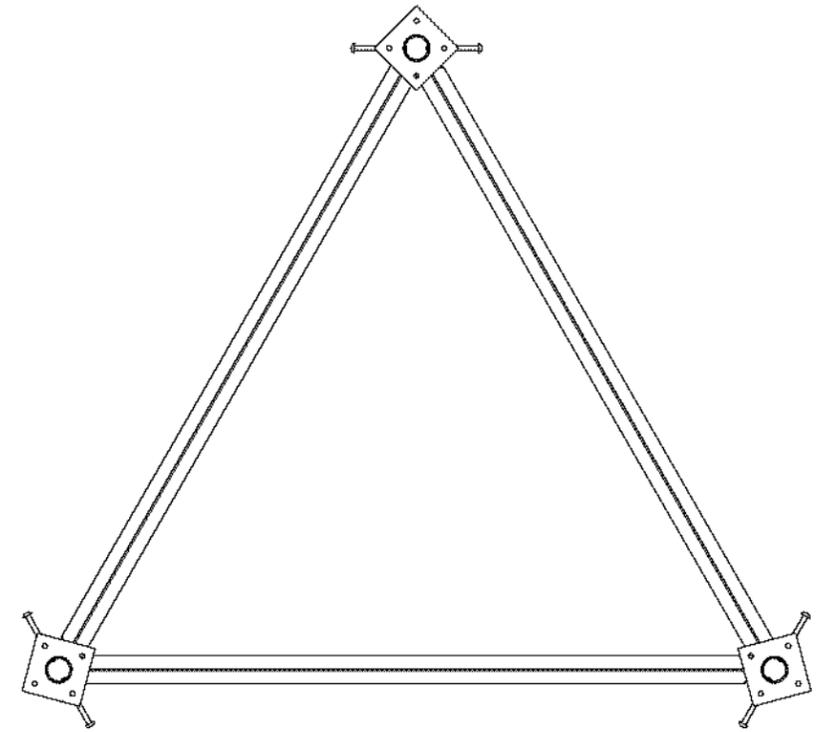
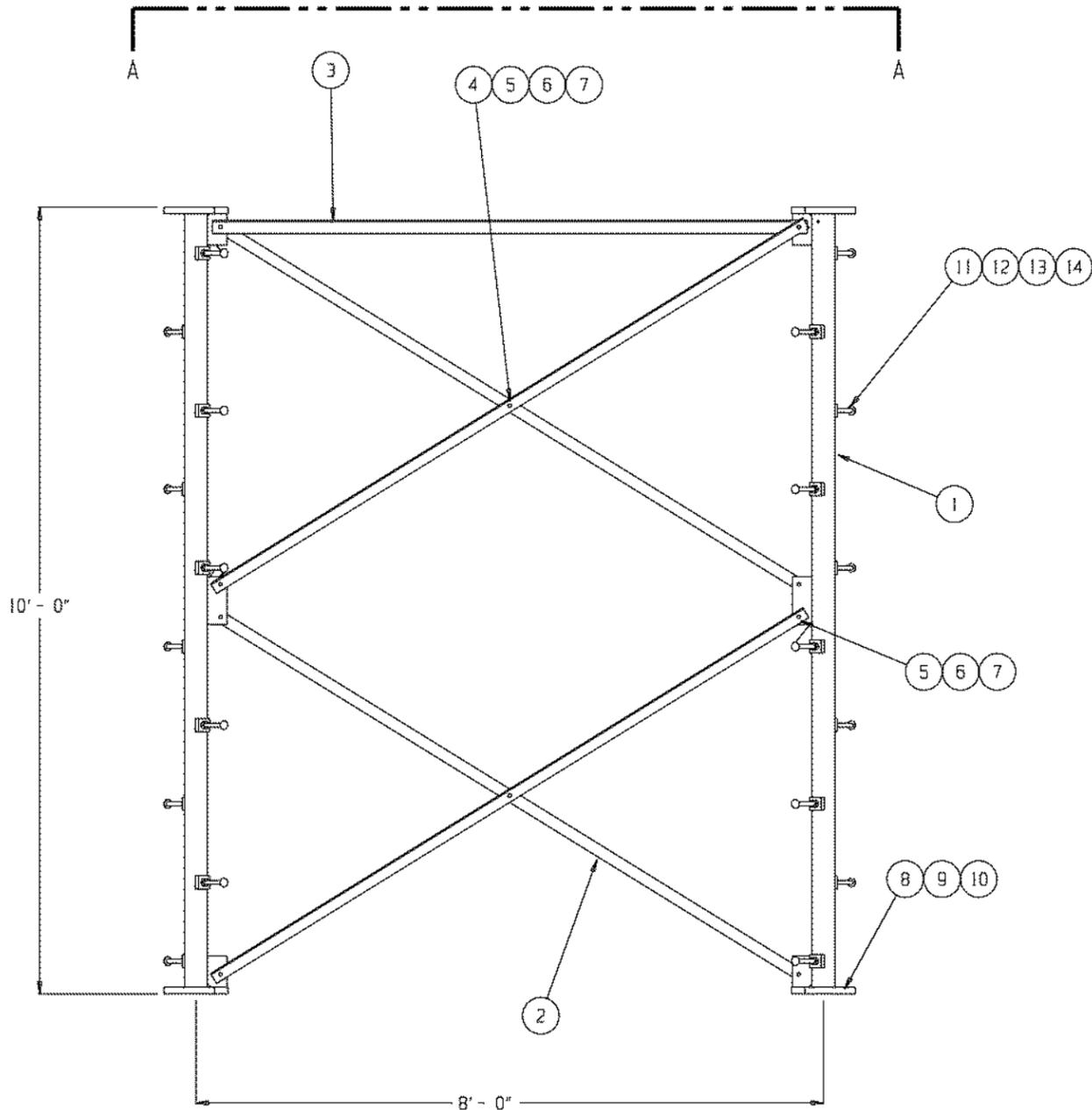
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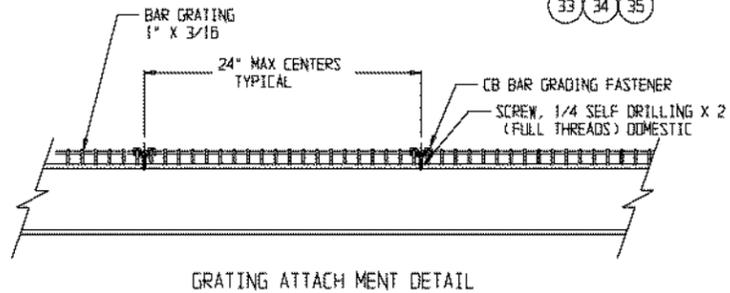
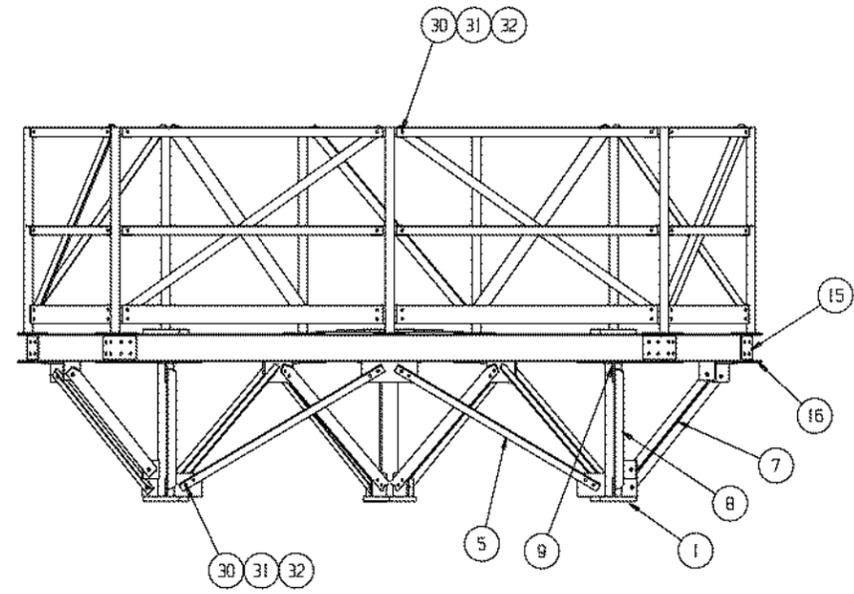
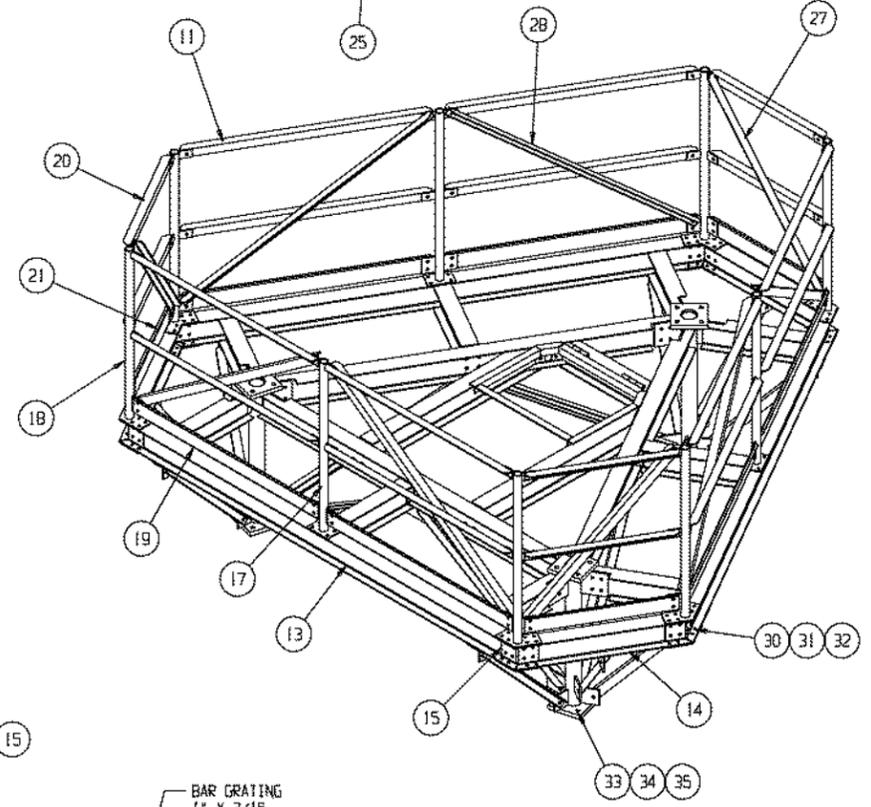
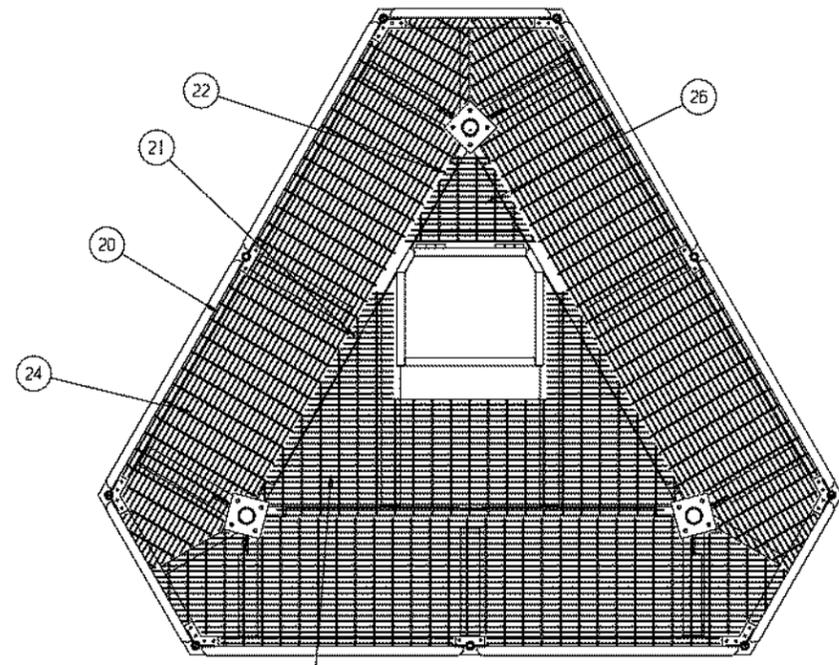
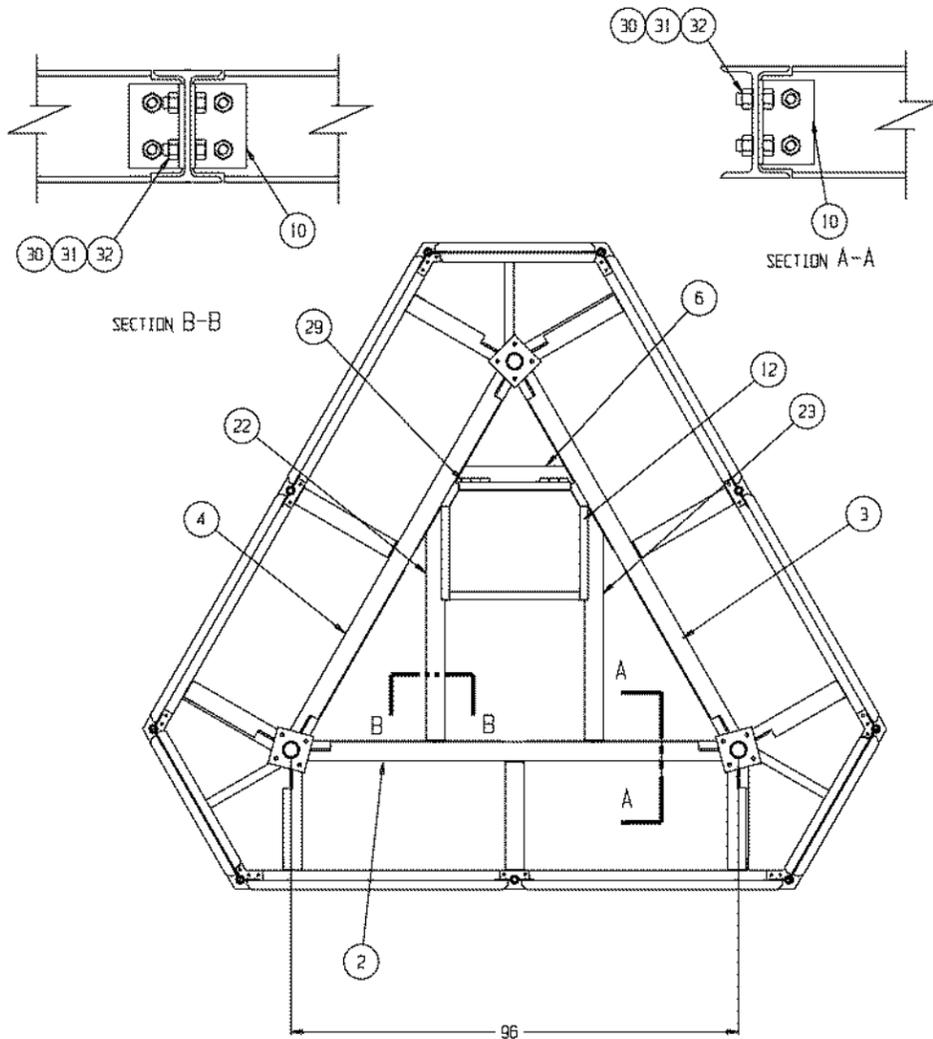


VIEW A-A
FUTURE SECTION

ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
14	30		NUT, 5/8-11 UNC JAM HEX GALV
13	30		NUT, 5/8-11 UNC HEAVY HEX GALV
12	30		LOCKWASHER, 5/8 GALV
11	30		BOLT, STEP 5/8-11 UNC CARRIAGE GALV X 7
10	12		NUT, 3/4-10 UNC HEAVY HEX GALV
9	12		LOCKWASHER, 3/4 GALV
8	12		BOLT, 3/4-10 UNC HEX HD ASTM A325 GALV X 3 1/2
7	30		NUT, 1/2-13 UNC HEAVY HEX GALV
6	30		LOCKWASHER, 1/2 GALV
5	30		BOLT, 1/2-13 UNC HEX HD ASTM A325 X 1 1/2
4	6		SPACER, 1 3/4 X 1 3/4 X 1/4
3	3		HORIZONTAL, 1 3/4 X 1 3/4 X 3/16 ASTM A36 ANGLE X
2	12		DIAGONAL, 1 3/4 X 1 3/4 X 3/16 ASTM A36 ANGLE X
1	3		140'-150' LEG WELDMENT, HSS Ø 3.50 X .216 WALL ASTM A500 GR B

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
DECIMALS .XX.XX	ANGLES 1/2	TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' 140'-150' SECTION ASSEMBLY	
STRAIGHT EDGE .008	MATERIAL	APPROVALS	DATE 04/07/20
FINISH	ENG. APPD.	SIZE D	
DO NOT SCALE DRAWING		SCALE 1:20	
		SHEET 12 OF	

8 7 6 5 4 3 2 1



ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
39	-	-	-
38	-	-	-
37	A/R		SCREW, 1/4 SELF DRILLING X 2 (FULL THREADS) DOMESTIC
36	A/R		CB GRATING HOLD DOWN FASTNER GALV
35	12		NUT, 3/4-10 UNC HEAVY HEX GALV
34	12		LOCKWASHER, 3/4 DIA GALV
33	12		BOLT, 3/4-10 UNC HEX ASTM A325 GALV X 3 1/2
32	364		NUT, 1/2-13 UNC HEAVY HEX GALV
31	364		LOCKWASHER, 1/2 DIA GALV
30	364		BOLT, 1/2-13 UNC HEX ASTM A325 GALV X 1 1/2
29	2		DOOR HINGE PIN
28	1		HANDRAIL FRONT DIAGONAL ANGLE (2 X 2 X 1/4 ANGLE)
27	1		HANDRAIL DIAGONAL ANGLE (2 X 2 X 1/4 ANGLE)
26	1		1 X 3/16 BAR GRATING 3
25	1		1 X 3/16 BAR GRATING 2
24	1		1 X 3/16 BAR GRATING 1
23	1		INNER PLATFORM I-BEAM RH WELDMENT
22	1		INNER PLATFORM I-BEAM WELDMENT
21	3		PLATFORM CORNER TOEBOARD
20	3		CORNER HANDRAIL ANGLE (2 X 2 X 1/4 ANGLE)
19	6		PLATFORM TOEBOARD
18	6		HANDRAIL CORNER PIPE WELDMENT
17	3		HANDRAIL PIPE WELDMENT
16	3		CORNER PLATE BOTTOM
15	6		PLATFORM SPLICE PLATE
14	3		OUTER CATWALK CORNER WELDMENT
13	3		PLATFORM OUTER WELDMENT (6 X 9# I-BEAM)
12	1		PLATFORM DOOR WELDMENT
11	12		HANDRAIL ANGLE (2 X 2 X 1/4 ANGLE)
10	10		PLATFORM CLIP ANGLE
9	6		PLATFORM BOTTOM EAR WELDMENT
8	6		PLATFORM DIAGONAL (2 X 2 X 3/16 ANGLE)
7	3		PLATFORM CORNER DIAGONAL (2 X 2 X 3/16 ANGLE)
6	1		INNER TOP PLATFORM I-BEAM WELDMENT
5	12		STUB DIAGONAL ANGLE (1 3/4 X 1 3/4 X 3/16 ANGLE)
4	1		STUB HORIZONTAL I-BEAM WELDMENT 3 (6 X 9# I-BEAM)
3	1		STUB HORIZONTAL I-BEAM WELDMENT 2 (6 X 9# I-BEAM)
2	1		STUB HORIZONTAL I-BEAM WELDMENT 1 (6 X 9# I-BEAM)
1	3		STUB LEG WELDMENT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS .XX ± .06 ANGLES 1/2°

STRAIGHT EDGE .009

MATERIAL

FINISH

DO NOT SCALE DRAWING

PARTS LIST

APPROVALS: TAM 04/14/20

DATE: 04/14/20

TITLE: PLATFORM ASSEMBLY

TULARE COUNTY

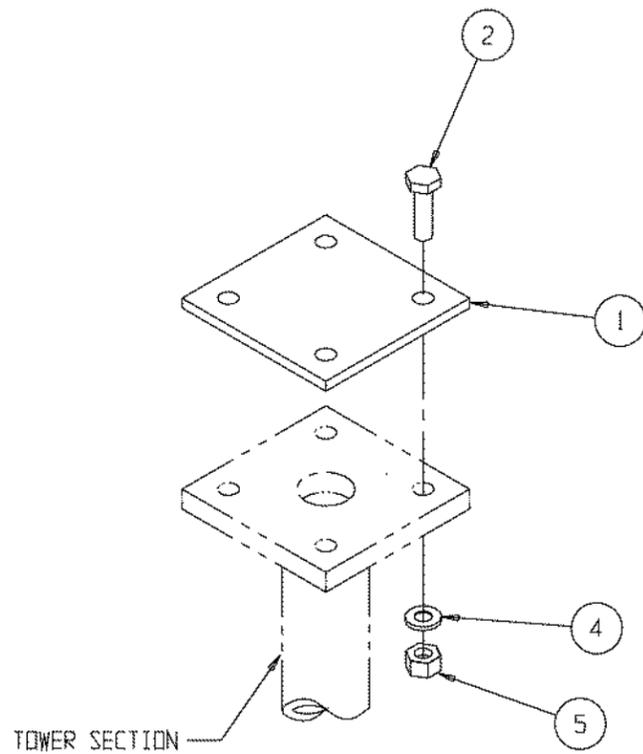
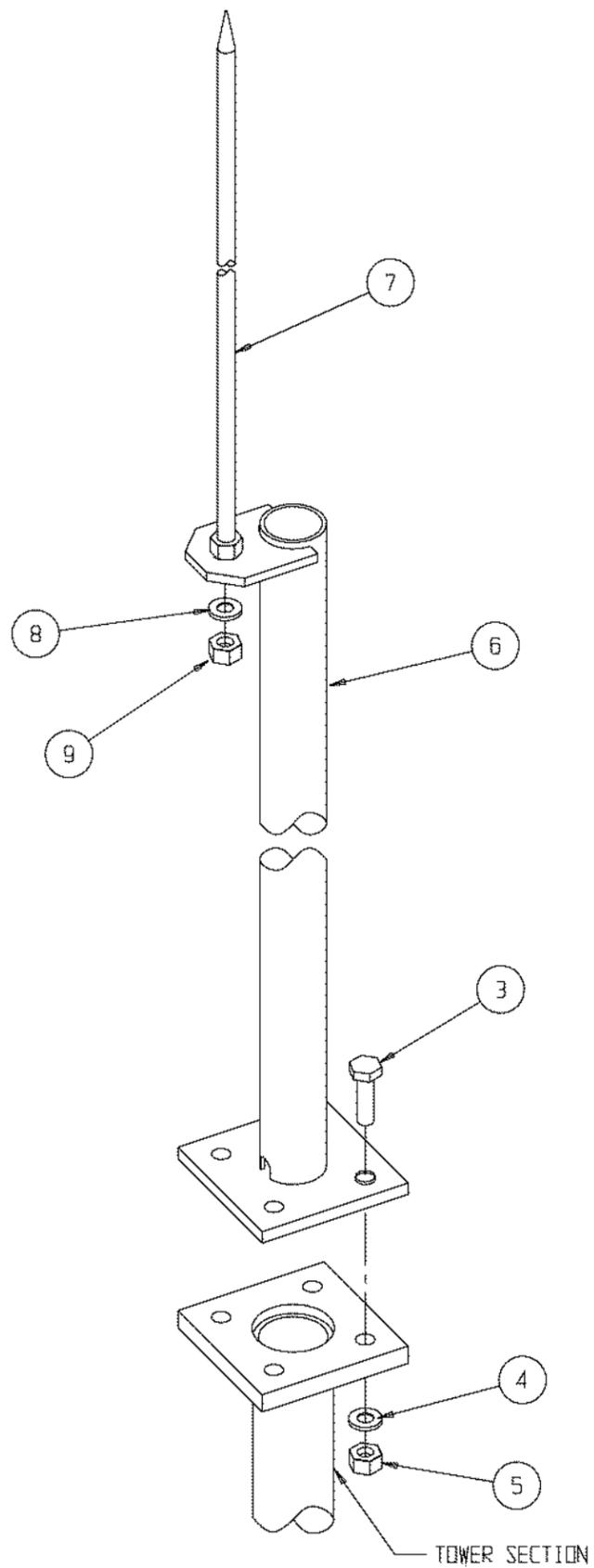
SIZE: D

SCALE: NONE

SHEET 13 OF 13

TASHJIAN TOWER CORPORATION
2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625

8 7 6 5 4 3 2 1

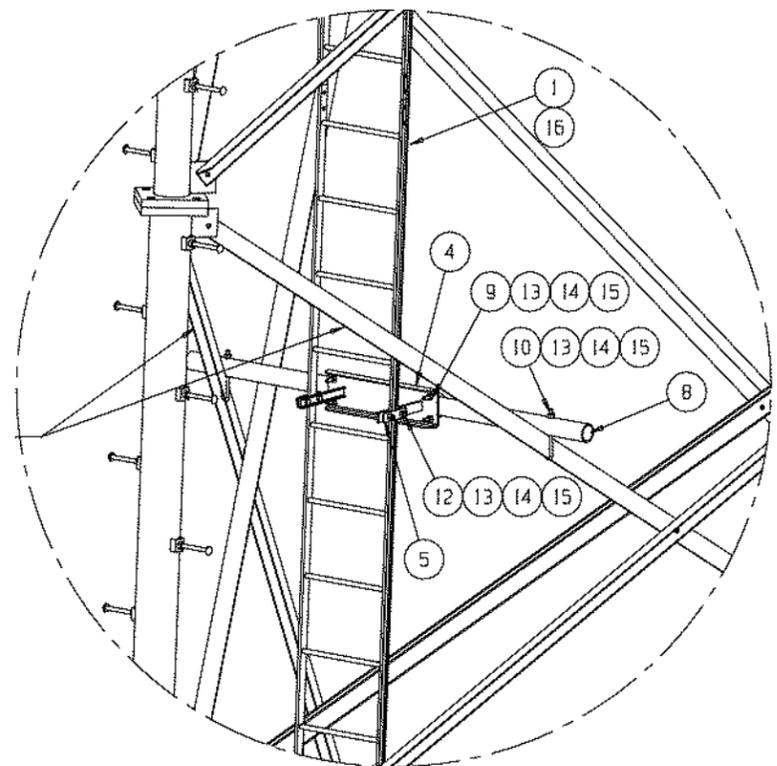
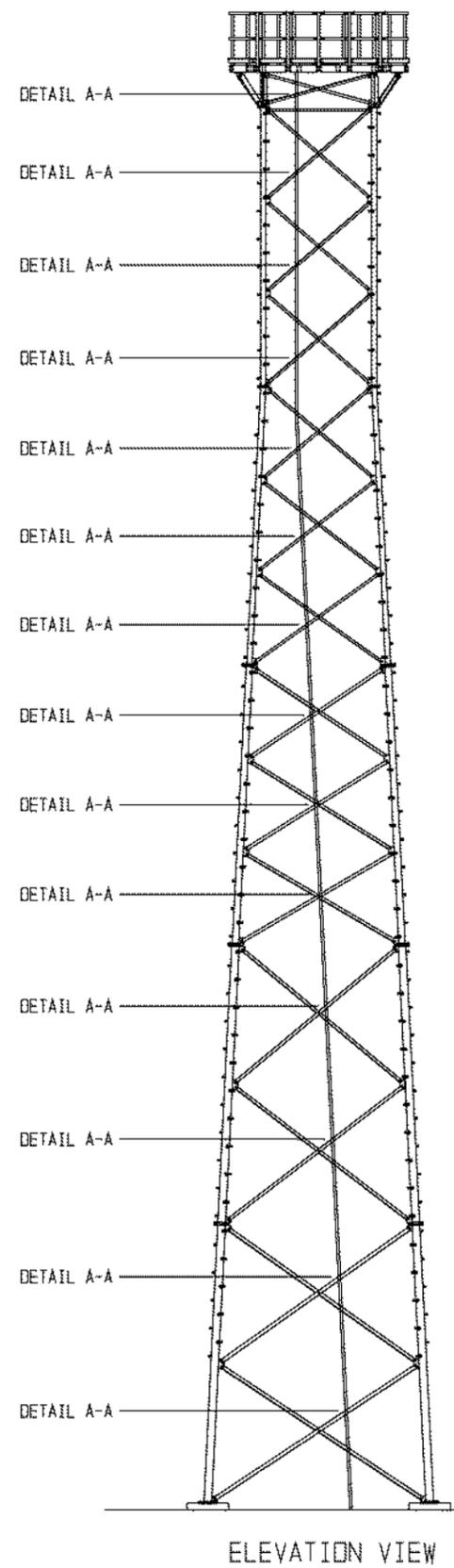


ITEM	QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	DWG NO.
9	2		NUT, 5/8-11 UNC HEAVY HEX GALV	
8	1		LOCKWASHER, 5/8 GALV	
7	1		LIGHTNING ROD, Ø 5/8 X 4'	
6	1		LIGHTNING ROD MOUNT WELDMENT	
5	4		NUT, 3/4-10 UNC HEAVY HEX GALV	
4	4		LOCKWASHER, 3/4 GALV	
3	4		BOLT 3/4-10 UNC HEX HD ASTM A-325 GALV X 3	
2	4		BOLT 3/4-10 UNC HEX HD ASTM A-325 GALV X 2 1/2	
1	1		TKD TOP CAP	

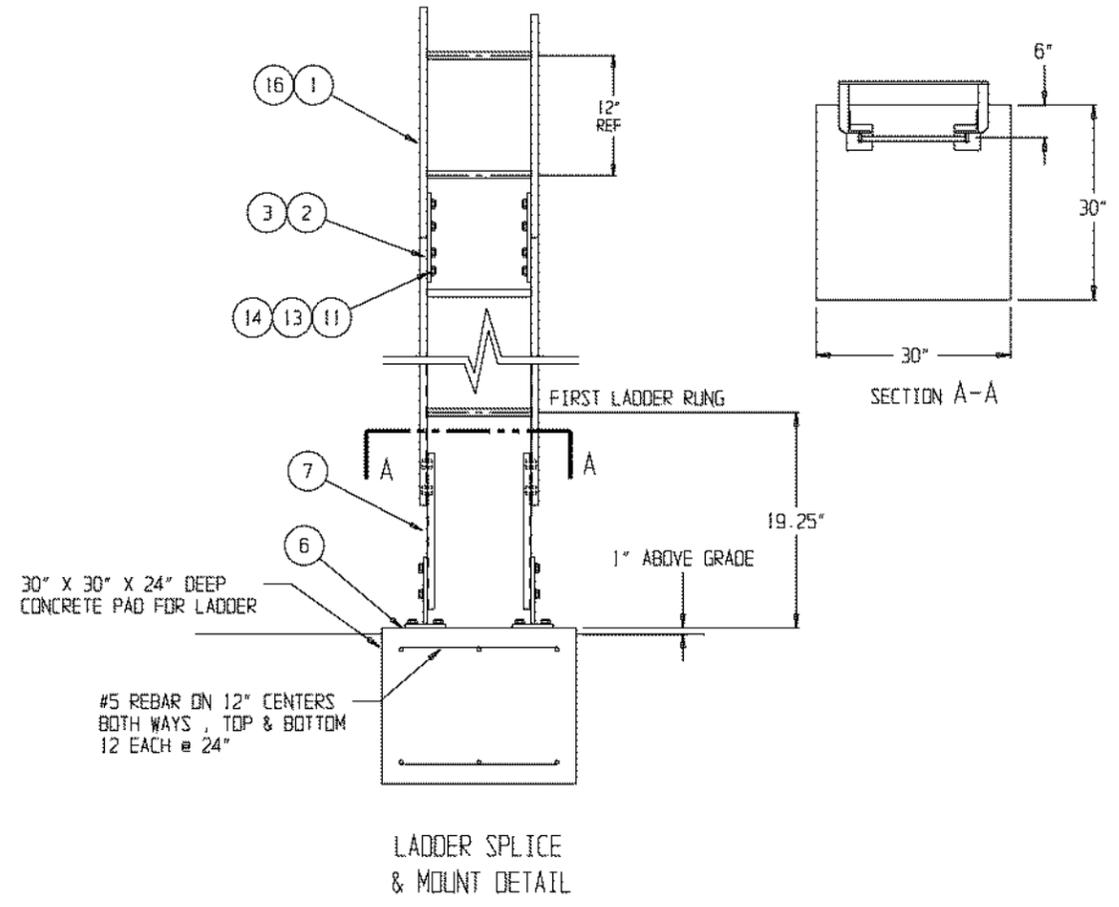
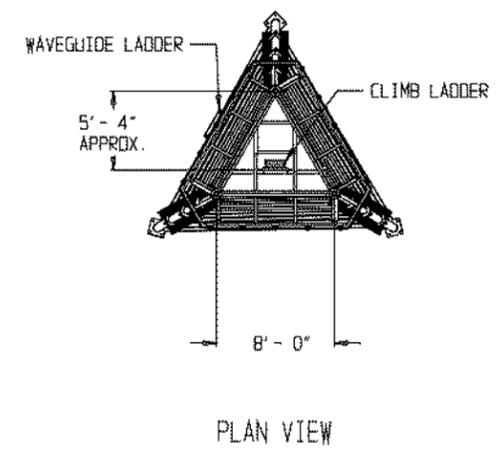
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS .XX±.00 .XXX±.030	ANGLES ± 1/2	STRAIGHT EDGE .008
MATERIAL	ASTM A36 STEEL	FINISH	ASTM A123 GALV
DO NOT SCALE DRAWING			

APPROVALS		DATE	TASHJIAN TOWER CORPORATION	
DRAWN	CHECKED	04/07/20	2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
ENG. APPD.			TITLE 100' SELF-SUPPORT TOWER EXTENDABLE TO 150' TOP CAP/LIGHTNING ROD MOUNT ASSEMBLY	
			SIZE D	DRAWING NO. S-13
			SCALE NONE	SHEET 14 OF

8 7 6 5 4 3 2 1



DETAIL A-A
TYPICAL 14 PLACES



ITEM	QTY	REGD	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
16	1			LADDER WELDMENT L-8 , 8 FT SECTION
15	180			WASHER, FLAT, 1/2, GALV
14	180			LOCKWASHER, 1/2 GALV.
13	180			NUT, 1/2 HEAVY HEX GALV.
12	56			BOLT, 1/2-13 UNC HEX HD ASTM A325 GALV X 2
11	40			BOLT, 1/2-13 UNC HEX HD ASTM A325 GALV X 1 1/2
10	28			J-BOLT, 1/2-13 UNC X 7.5 GALV. W/ 3" THREADS
9	28			U-BOLT, 1/2-13 UNC X 3 GALV X 4 1/2 DR STD
8	14			LADDER MOUNTING PIPE, 2 1/2 SCH 40 (.203 WALL)
7	2			LADDER SPLICE EXTENSION CHANNEL
6	2			LADDER BASE PLATE WELDMENT
5	28			LADDER MOUNTING CLAMP (BAR, 1/4 X 1 1/2)
4	14			LADDER BRACKET WELDMENT
3	2			LADDER SPLICE PLATE TAPPER (BAR, 1/4 X 1 1/2 ASTM A36 X 10)
2	8			LADDER SPLICE PLATE (BAR, 1/4 X 1 1/2 ASTM A36 X 10)
1	5			LADDER WELDMENT L-20 , 20 FT SECTION

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
 DECIMALS .001
 FRACTIONS 1/16
 STRAIGHT EDGE .008

APPROVALS: [Signature] DATE: 04/08/20
 DRAWN: TAM
 CHECKED: [Signature]
 ENG. APPD: [Signature]

TASHJIAN TOWER CORPORATION
 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625

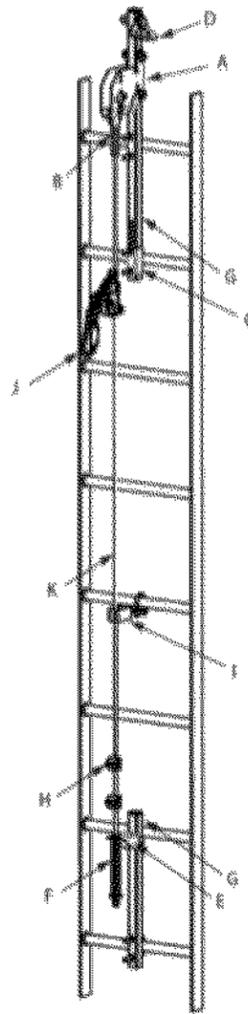
TITLE: CLIMB LADDER ASSEMBLY
 TULARE COUNTY

FINISH: [Blank]
 DO NOT SCALE DRAWING

SIZE: D
 CAGE CODE: [Blank]
 DRAWING NO.: S-14
 SCALE: 1:110
 SHEET 15 OF [Blank]

8 7 6 5 4 3 2 1

Lad-Saf™ Vertical Climbing Safety System - Standard Rung Mount, Galvanized



Component Specification

Qty	Component	Material	Finish
1	Top Plate	304 Stainless Steel	Passivate
1	Swage Connector	304 Stainless Steel	Passivate
10	Hardware	Steel	Galvanized
1	Single Point Anchor	316 Stainless Steel	Powder Coat
1	Bottom Plate	Steel	Galvanized
1	Tension Assembly	304 Stainless Steel	Passivate
2	Tubes	Steel	Galvanized
1	Tension Rod	Steel	Galvanized
1	Cable Guide*	Steel/Rubber	Galvanized
1	Detachable Cable Sleeve*	304 Stainless Steel	Natural
-	Cable*	Steel	Galvanized

* Item is sold separately from the kit.

Lad-Saf™ Vertical Climbing Safety System - Standard Rung Mount, Galvanized

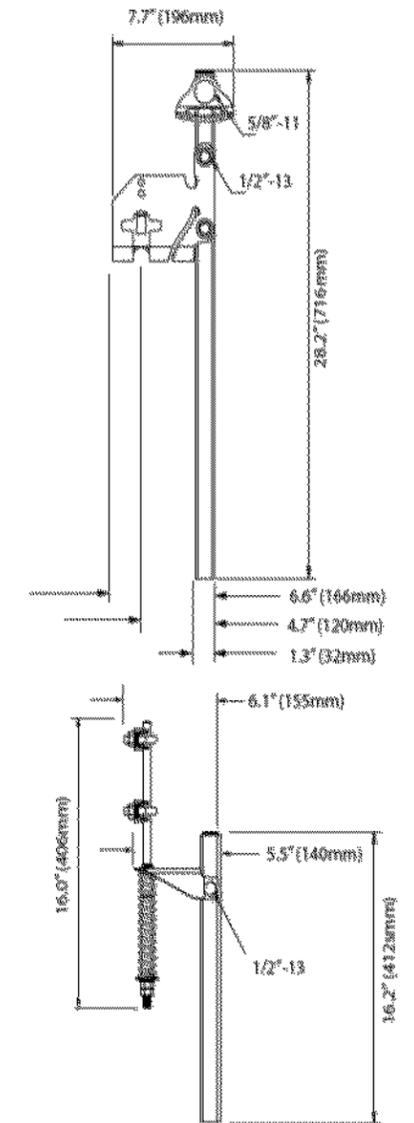
Kit No 6116612

Fits the following rung types and spacing:

- Spacing: 9"-12.25" (230mm-310mm)
- Cylindrical rung: 0.5"-1.6" (13mm-40mm) diameter
- Square rung: 0.5"-1.6" (13mm-40mm)
- Diamond rung: 0.5"-1.6" (13mm-40mm) height
- Angle Iron: 0.5"-1.6" (13mm-40mm) leg height
- Rectangular rung: 0.5"-1.6" (13mm-40mm) height, 0.5"-1.9" (13mm-48mm) width

Operating Temperature Range: 140°F (60°C) to -40°F (-40°C)

*Hardware is shown on following page.



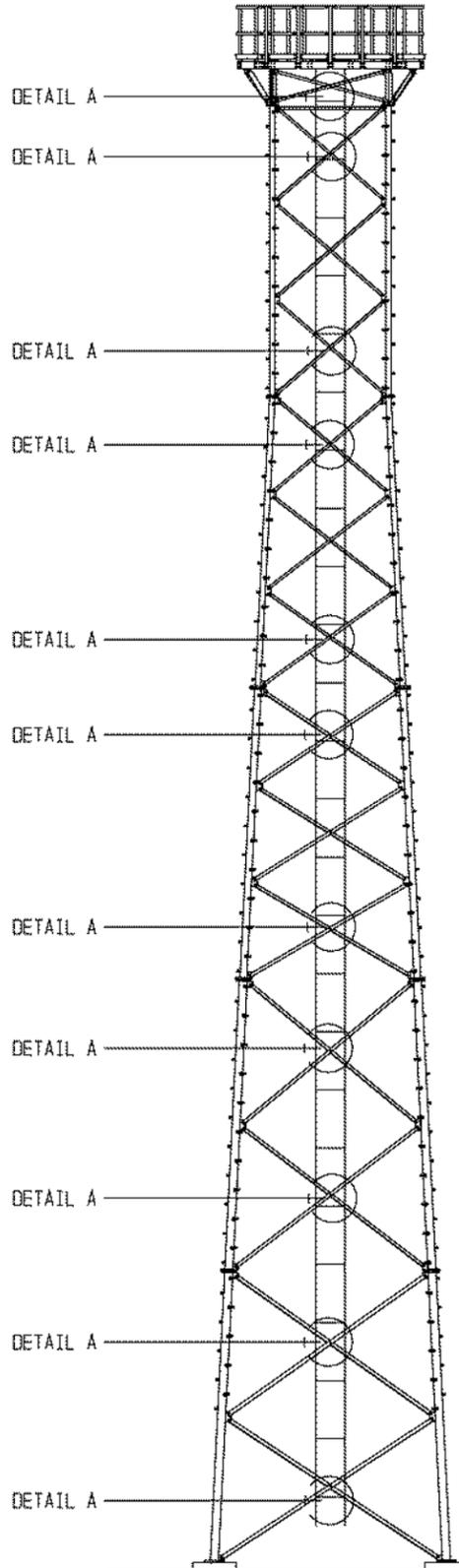
SAFETY CLIMB DETAIL

SAFETY CLIMB MEETS THE FOLLOWING STANDARDS:
EN353-1:2002, ANSI-ASC A14.3-2008, CSA-Z259.2.1-98 (R2004).

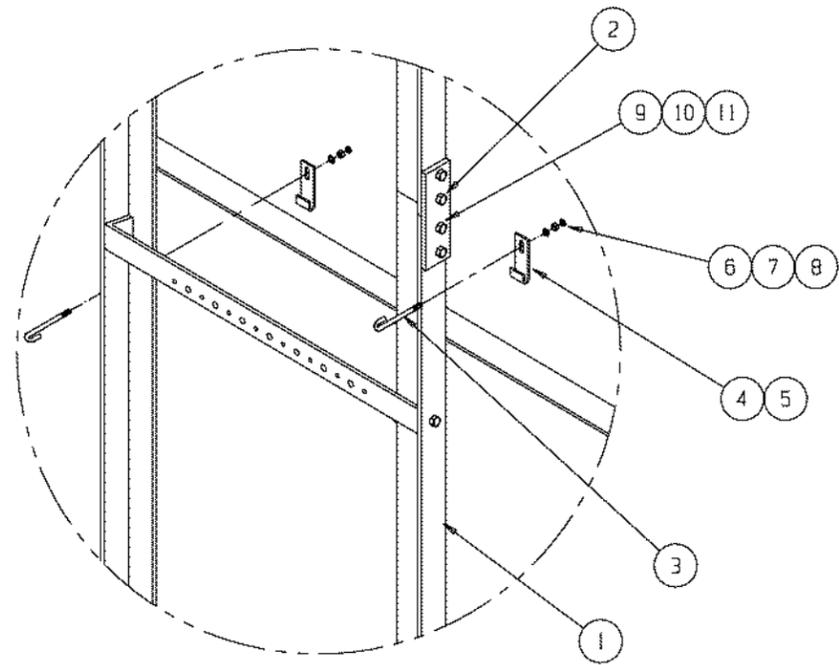
ITEM	QTY	PART NO.	NOMENCLATURE
REQD	IDENTIFYING NO.	OR DESCRIPTION	
4	1		DETACHABLE CABLE SLEEVE -DBI SALA #6116507 FLEX CABLE SLEEVE
3	1		CABLE, 3/8" 1 X 7 STAINLESS STEEL X 160" -DBI SALA #6104160
2	1		INTERMEDIATE CABLE GUIDE -DBI SALA #6100400
1	1		VERTICAL CLIMB SAFETY SYSTEM -DBI SALA #6116612

PARTS LIST		TASHJIAN TOWER CORPORATION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS .XX ± .00	ANGLES ± 1/2	STRAIGHT EDGE .000
PART NO.	APPROVALS	DATE	04/08/20
DRAWN	CHECKED	ENG. APPD.	
TITLE			LADDER TYPE SAFETY CLIMB DETAIL TULARE COUNTY
SIZE			D
SCALE			NONE
DRAWING NO.			S-15
SHEET			16 OF

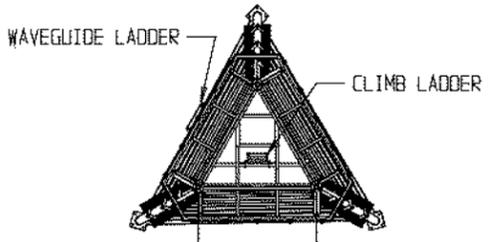
8 7 6 5 4 3 2 1



ELEVATION VIEW



DETAIL A
TYPICAL 11 PLACES



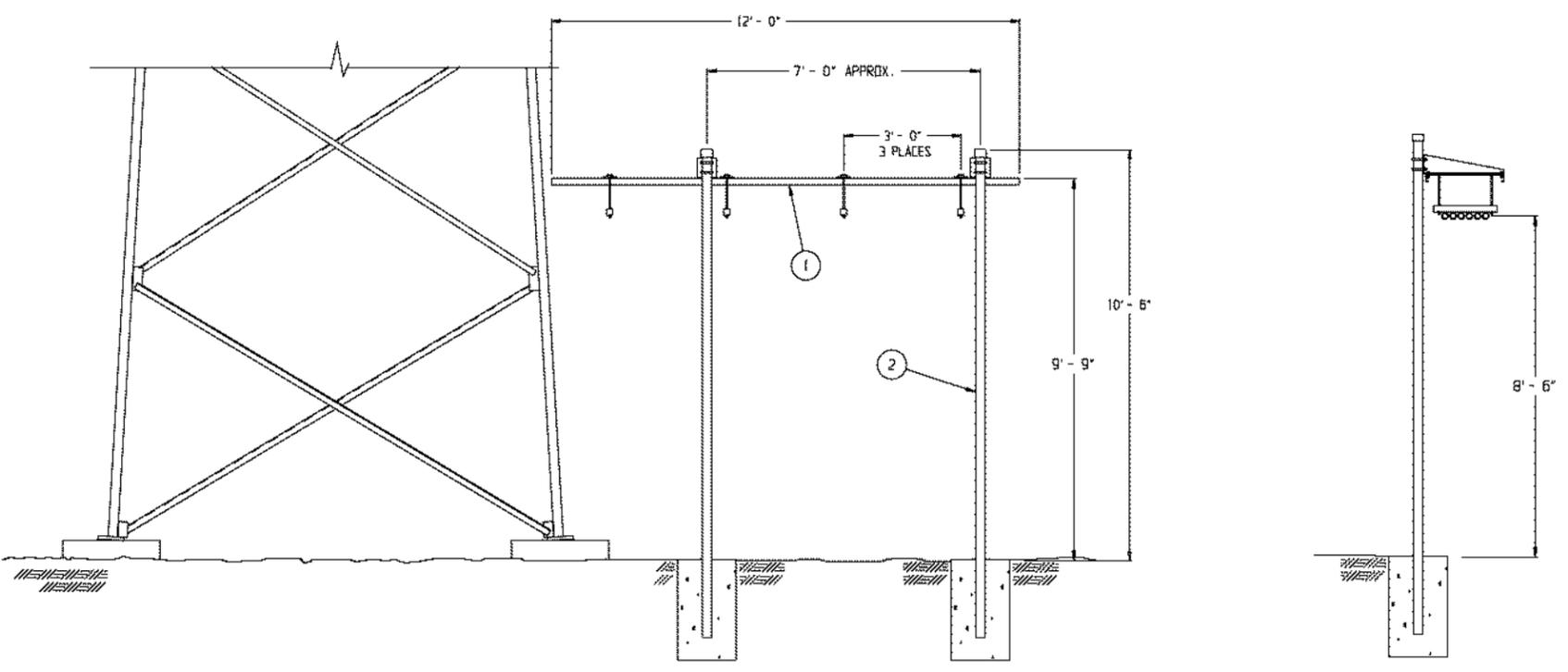
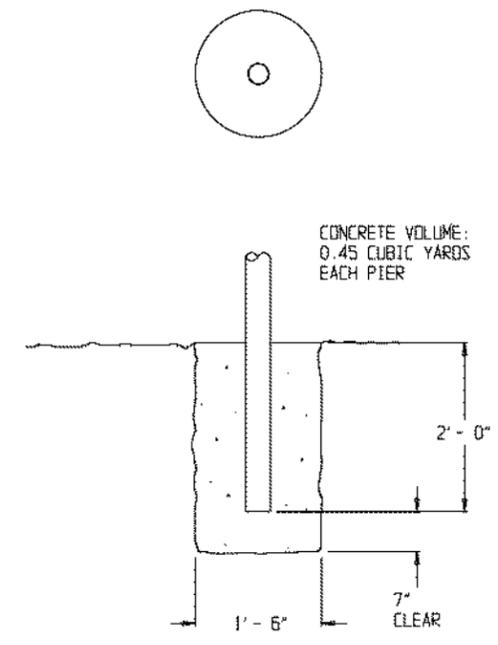
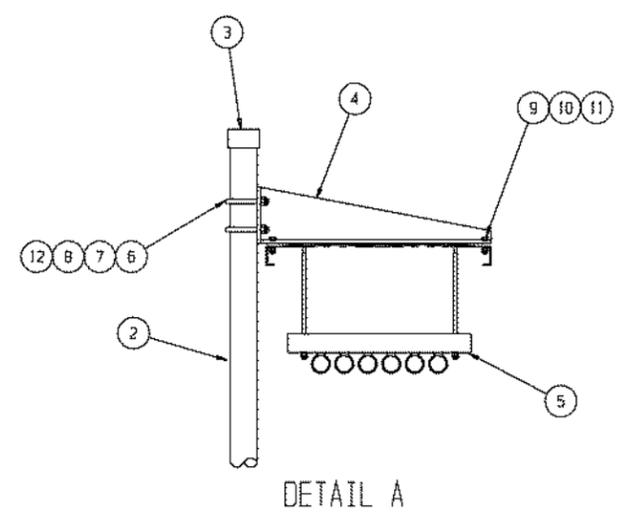
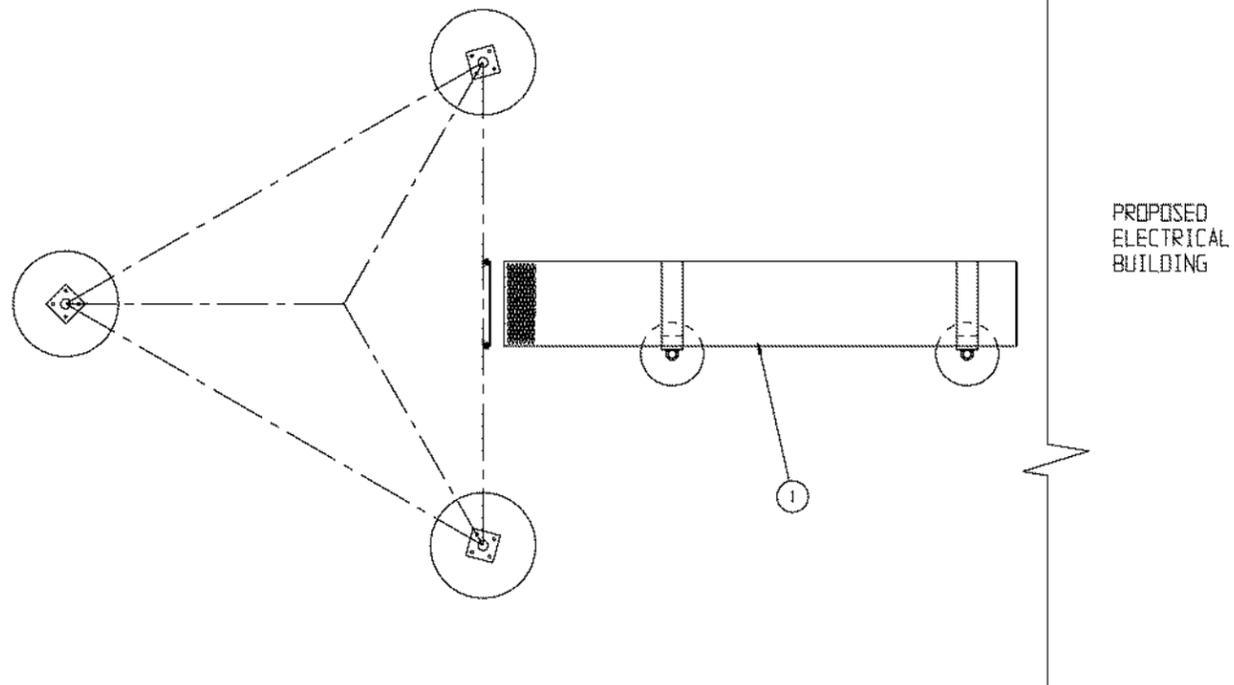
PLAN VIEW

ITEM	QTY REQD	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
11	32	.	LOCKWASHER, 1/2 GALV
10	32	.	NUT, 1/2 HEAVY HEX GALV.
9	32	.	BOLT, 1/2-13 UNC HEX HD ASTM A325 GALV X 1 1/2
8	22	.	WASHER, 3/8 STD GALV
7	22	.	LOCKWASHER, 3/8 GALV
6	22	.	NUT, 3/8-16 UNC HEAVY HEX GALV
5	-	-	-
4	22	.	HOOK PLATE, FOR 2" TO 3" ANGLE
3	22	.	J-BOLT, 3/8 X 6 1/4 GALV W/ 3" THREADS
2	8	.	WAVEGUIDE LADDER SPLICE PLATE
1	5	.	WAVEGUIDE LADDER ASSEMBLY 24" X 20'

PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XXX±.030 ANGLES ± 1/2 STRAIGHT EDGE .008 MATERIAL		PART NO.	APPROVALS
FINISH		DATE	TAM 04/09/20
DO NOT SCALE DRAWING		TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625	
SCALE 1:110		TITLE WAVEGUIDE LADDER ASSEMBLY TULARE COUNTY	
SIZE D	CAGE CODE	DRAWING NO. S-16	REV.
SHEET 17 OF			

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

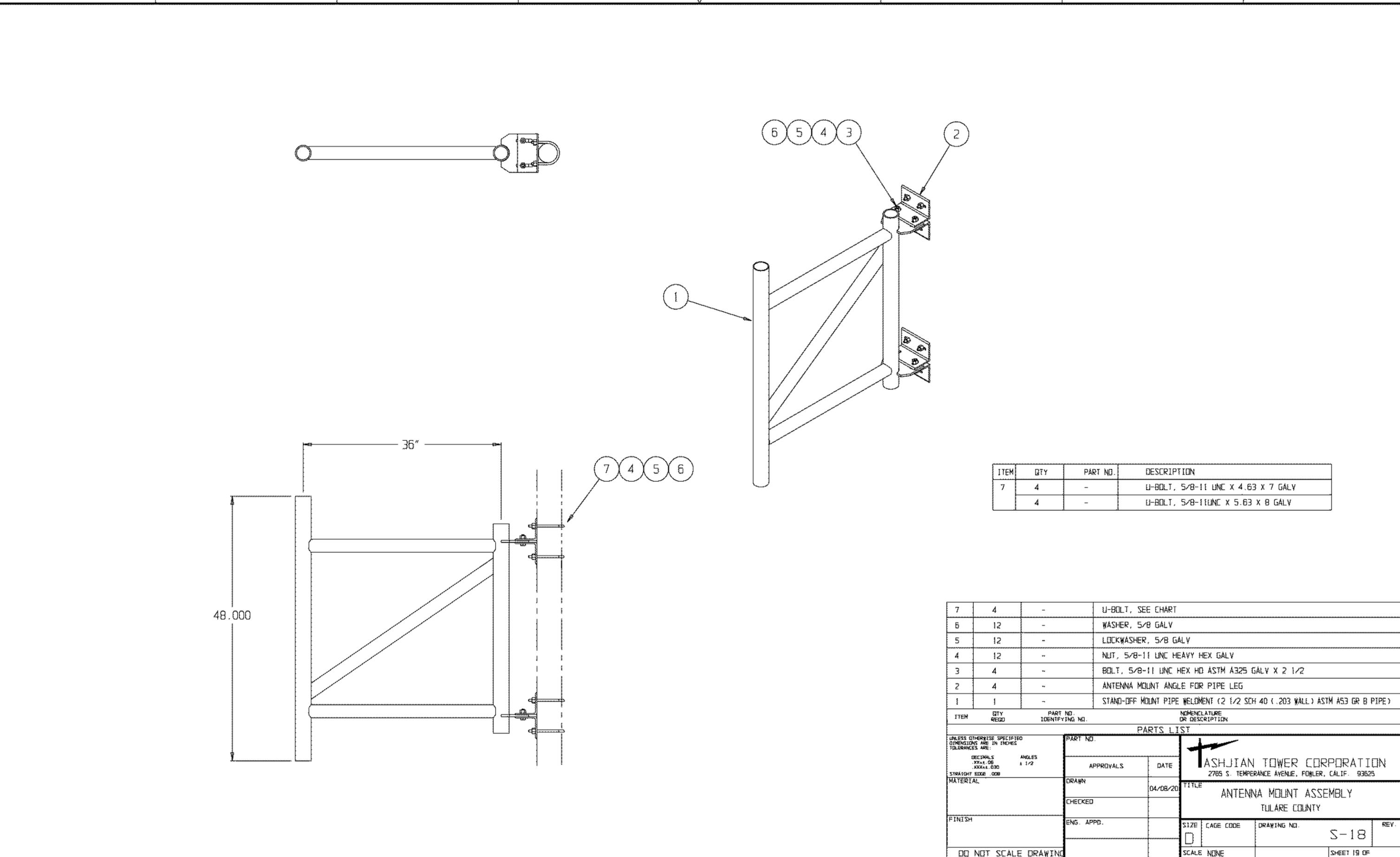


ITEM	QTY	REGRD	PART NO. IDENTIFYING NO.	DESCRIPTION OR DESCRIPTION	DWG NO.
12	8	-		WASHER, 1/2 FLAT GALV	
11	8	-		LOCKWASHER, 3/8 GALV.	
10	8	-		NUT, 3/8 GALV.	
9	8	-		BOLT, 3/8-16 UNC HEX HD GALV X 2 GALV.	
8	8	-		LOCKWASHER, 1/2 GALV	
7	8	-		NUT, 1/2 GALV.	
6	4	-		U-BOLT, 1/2 X 3 1/2 X 5 GALV.	
5	4	-		TRAPEZOID KIT, SINGLE RING TESSCO #467876 OR EQUAL	
4	2	-		WAVEGUIDE BRIDGE PIPE MOUNT WELDMENT	
3	2	-		CAP 3" PIPE	
2	2	-		POST WELDMENT, 3" SCH. 40 ASTM A53 GR B X 13'-0" (GALV)	
1	1	-		GRIPSTRUT LADDER 24" X 12'-0"	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625 WAVEGUIDE BRIDGE ASSEMBLY TULARE COUNTY	
DECIMALS	ANGLES	APPROVALS	DATE		
.XX.X, .06	1/2	DRAWN	TAM 04/08/20		
STRAIGHT EDGE .009		CHECKED			
FINISH		ENG. APPD.		SIZE	DRAWING NO.
				D	S-17
DO NOT SCALE DRAWING				SCALE	NONE
				SHEET	18 OF

8 7 6 5 4 3 2 1

8 7 5 4 3 2 1



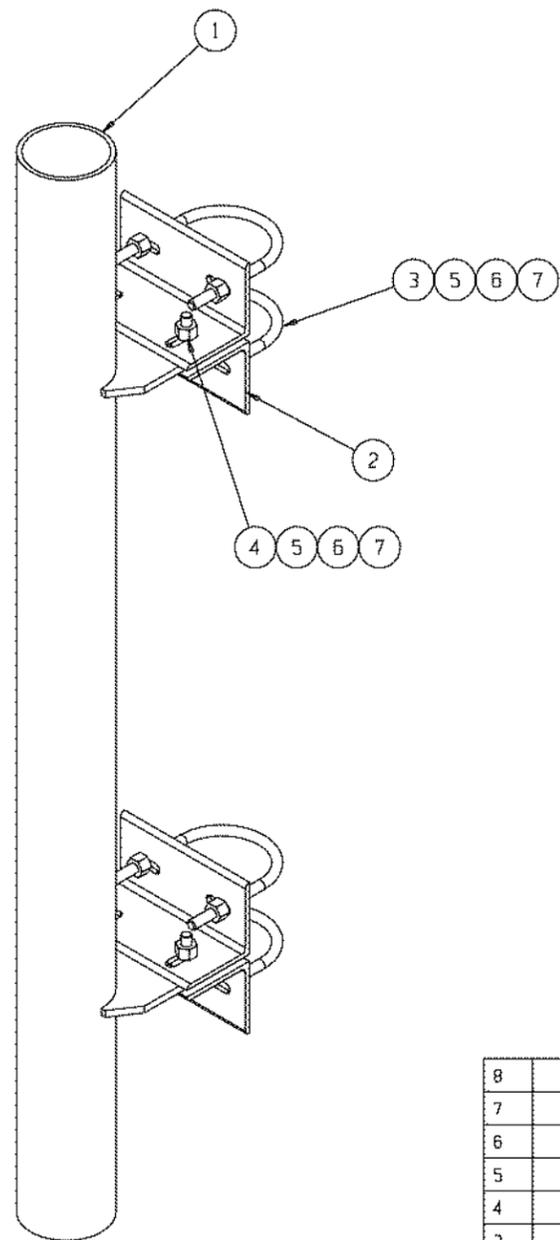
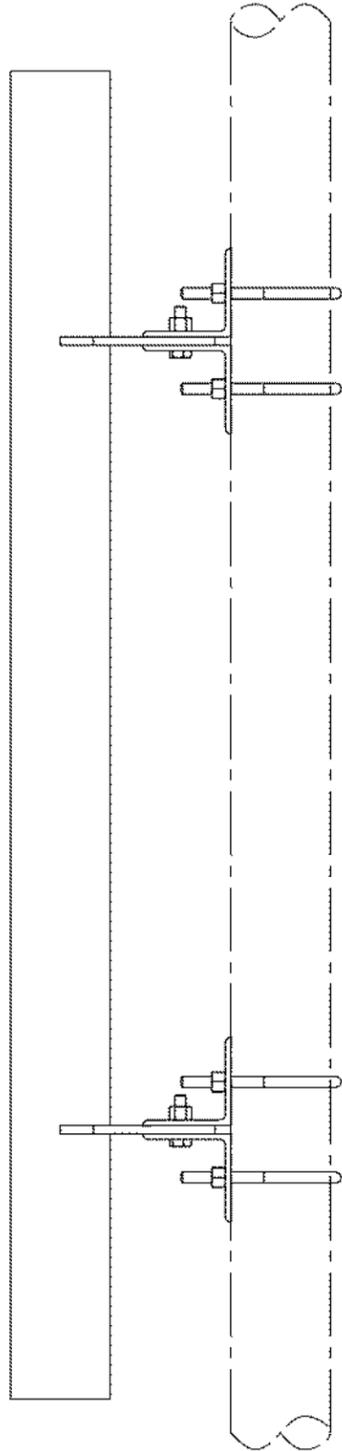
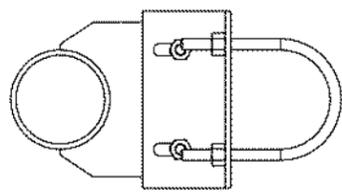
ITEM	QTY	PART NO.	DESCRIPTION
7	4	-	U-BOLT, 5/8-11 UNC X 4.63 X 7 GALV
	4	-	U-BOLT, 5/8-11UNC X 5.63 X 8 GALV

7	4	-	U-BOLT, SEE CHART
6	12	-	WASHER, 5/8 GALV
5	12	-	LOCKWASHER, 5/8 GALV
4	12	-	NUT, 5/8-11 UNC HEAVY HEX GALV
3	4	-	BOLT, 5/8-11 UNC HEX HD ASTM A325 GALV X 2 1/2
2	4	-	ANTENNA MOUNT ANGLE FOR PIPE LEG
1	1	-	STAND-OFF MOUNT PIPE WELDMENT (2 1/2 SCH 40 (.203 WALL) ASTM A53 GR B PIPE)

ITEM		QTY	PART NO. IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		
DECIMALS .XX.XX .06	ANGLES 1/2	APPROVALS	DATE	<p>ASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625</p> <p>TITLE ANTENNA MOUNT ASSEMBLY TULARE COUNTY</p>
STRAIGHT EDGE .009	MATERIAL	DRAWN	04/08/20	
FINISH	ENG. APPD.	CHECKED		
DO NOT SCALE DRAWING	SCALE NONE	DRAWING NO.	S-18	

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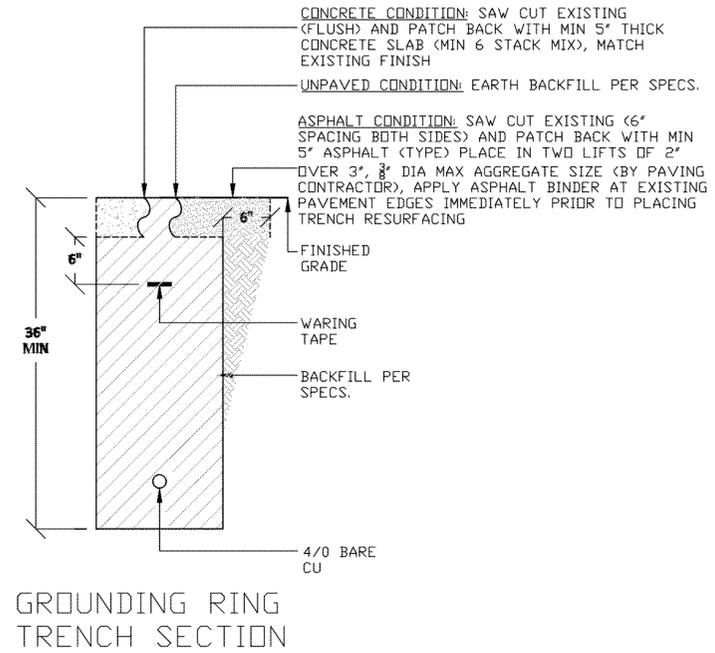
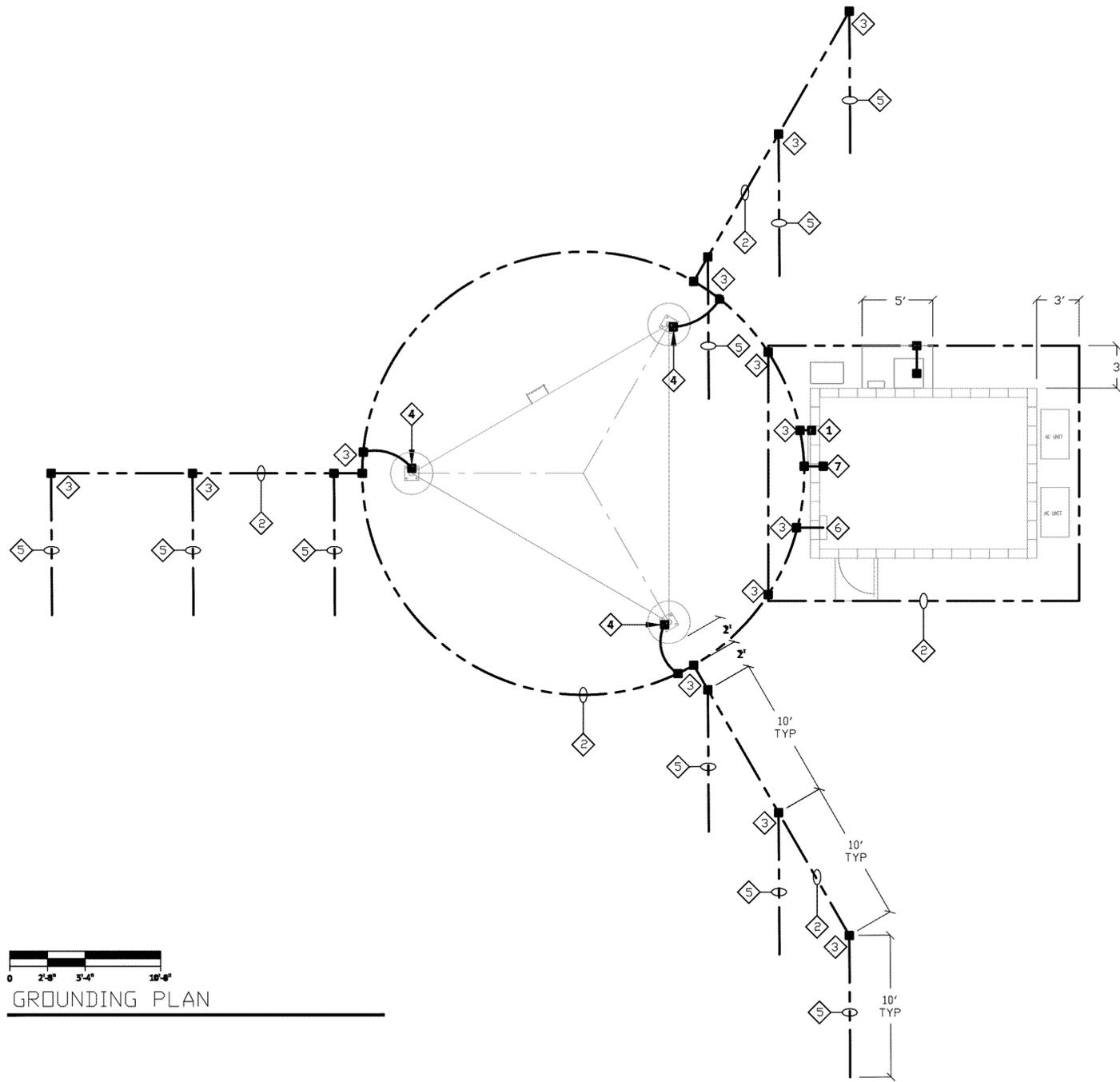
8 7 6 5 4 3 2 1



ITEM	QTY	PART NO.	DESCRIPTION
3	4	-	U-BOLT, 5/8-11 UNC X 4.63 X 7 GALV
	4	-	U-BOLT, 5/8-11UNC X 5.63 X 6 GALV

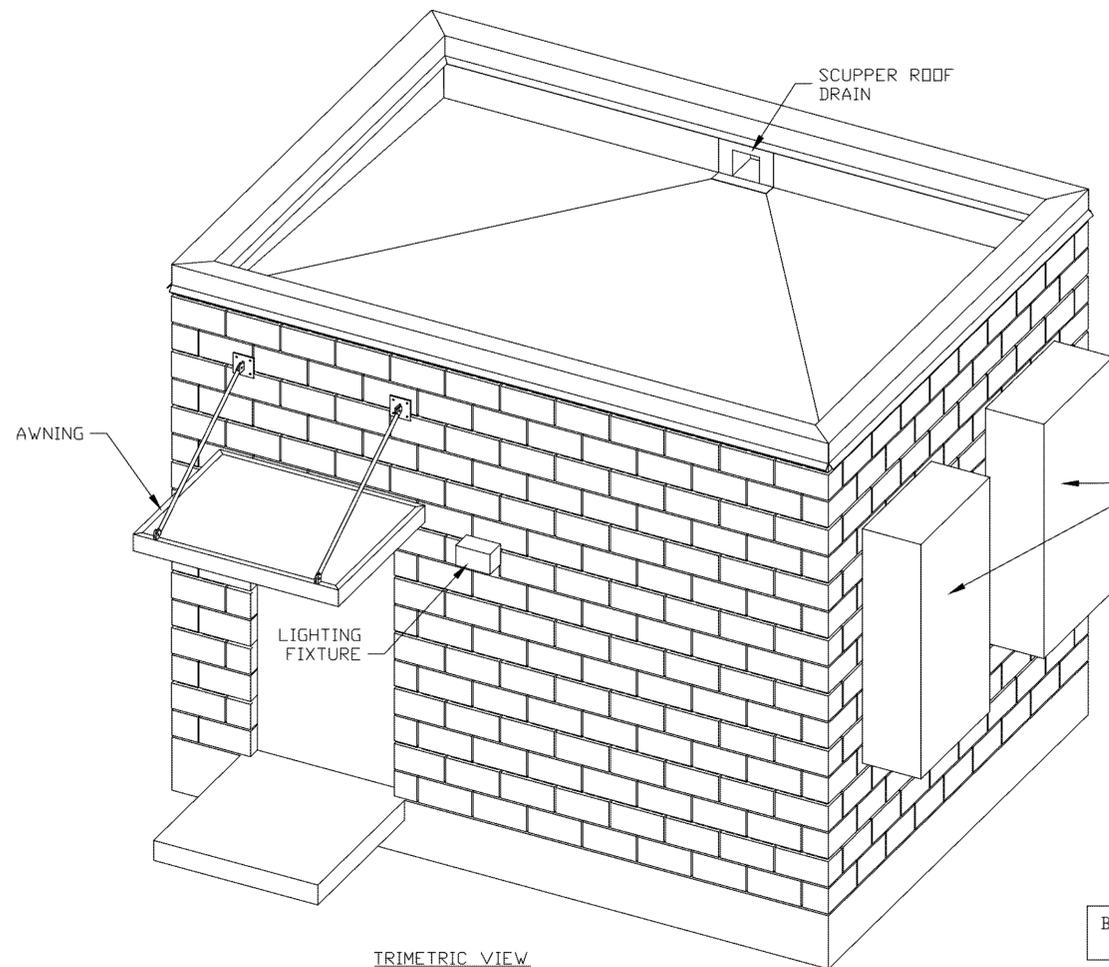
8								
7	12							WASHER, 5/8 GALV
6	12							NUT, 5/8-11 UNC HEAVY HEX GALV
5	12							LOCKWASHER, 5/8 GALV
4	4							BOLT, 5/8-11 UNC HEX HD ASTM A325 GALV X 2 1/2
3	4							U-BOLT, SEE CHART
2	4							DISH MOUNT ANGLE (4 X 4 X 3/8 ANGLE)
1	1							PIPE MOUNT WELDMENT (4" SCH 40 .237 WALL X 96")
ITEM	QTY	PART NO.	NOMENCLATURE		OR DESCRIPTION		DWG NO.	
PARTS LIST								
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:				PART NO.		 TASHJIAN TOWER CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625 TITLE DISH MOUNT ASSEMBLY TULARE COUNTY SIZE CAGE CODE DRAWING NO. REV. D S-19 -- SCALE NONE SHEET 20 OF		
DECIMALS .XX+.00 XXX+.030		ANGLES 1/2		APPROVALS	DATE			
STRAIGHT EDGE .008				DRAWN	04/08/20			
MATERIAL				CHECKED				
ASTM A36 STEEL				ENG. APPO.				
FINISH								
ASTM A123 GALV								
DO NOT SCALE DRAWING								

8 7 6 5 4 3 2 1

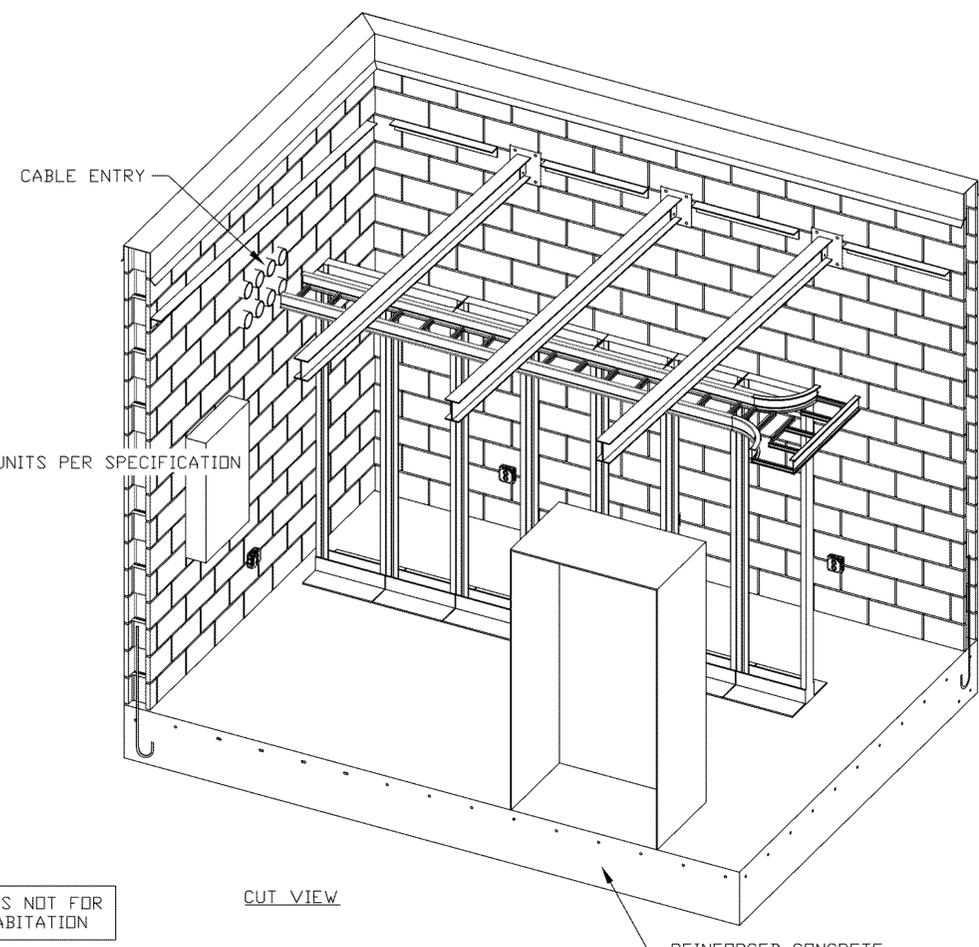


- SHEET NOTES**
- 1 BUILDING GROUND BUS
 - 2 TOWER AND BUILDING GROUND RINGS OF 4/0 BARE CU IN 36" DEEP TRENCH ENCLOSED IN 6" CONCRETE ALL AROUND. SEE TRENCH DETAIL
 - 3 EXOTHERMIC (CADWELD) CONNECTIONS
 - 4 CONNECTIONS TO TOWER LEGS
 - 5 3/4" X 10' GROUND ROD
 - 6 #2 CU FROM BUILDING GROUND RING TO PANEL GROUND BUS
 - 7 #2 CU FROM BUILDING GROUND RING TO TELEPHONE GROUND BUS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XX=±.06 XXX=±0.030	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008	MATERIAL	DRAWN	
FINISH		CHECKED	
		ENG. APP'D.	
DO NOT SCALE DRAWING			
<p>2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625</p>			
PROJECT NUMBER		COUNTY OF TULARE	
FILE NAME		N/A	
TITLE			
GROUND NETWORK			
SIZE	CAGE CODE	DRAWING NO.	REV.
D		S-20	
SCALE	SHEET		OF
	1		1



TRIMETRIC VIEW



CUT VIEW

BUILDING IS NOT FOR HUMAN HABITATION
 CONSTRUCTION TYPE III
 OCCUPANCY TYPE U

APPLICABLE DESIGN CODE/STANDARD:

1. ASCE 7-16
2. AISC 15th (LRFD)
3. ACI 318-14
4. ACI 530-13 (STRENGTH)
5. 2019 CBC
6. 2018 IBC

WIND DESIGN DATA:

1. ASCE 7-16
- BASIC WIND SPEED: 101-MPH, 3- SECOND GUST
2. RISK CATEGORY: III
3. WIND EXPOSURE: C
4. K_d = WIND DIRECTION PROBABILITY FACTOR: 0.85
5. TOPOGRAPHIC CATEGORY: 1
- CREST HEIGHT: 0'
6. WIND BASE SHEAR: 1.9 kips

EARTHQUAKE DESIGN DATA:

1. RISK CATEGORY: III
2. IMPORTANCE FACTOR, I_e : 1.25
3. S_S : 0.567g, S_1 : 0.223g
4. SITE CLASS: D
5. S_DS : 0.509g, S_{D1} : 0.311g
6. RESPONSE MODIFICATION COEFFICIENT, R : 2.0
7. SEISMIC DESIGN CATEGORY: D
8. SEISMIC BASE SHEAR: 9.2 kips
9. ANALYSIS PROCEDURE: ELF

ROOF DESIGN DATA:

1. DEAD LOAD: 25 psf
2. LIVE LOAD: 20 psf

FLOOR DESIGN DATA:

1. DEAD LOAD: 50 psf
2. LIVE LOAD: 50 psf

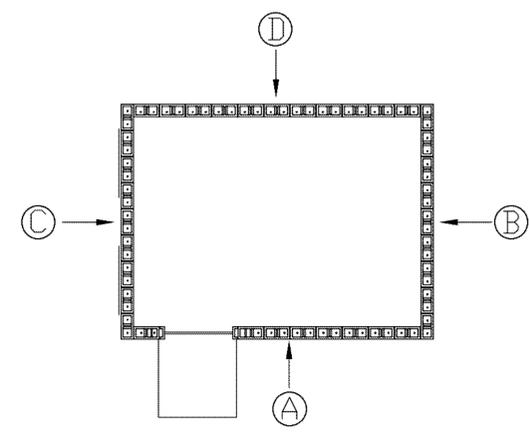
NOTES:
 DRAWING DISPLAYS GENERAL BUILDING MODEL FOR ABSTRACT OF BUILDING DESIGN. ORIENTATION, LAYOUT, AND CERTAIN ITEMS ARE SUBJECT TO DIFFER FROM THIS MODEL. REFER TO ELEVATION DRAWINGS FOR APPLICABLE ORIENTATION, LAYOUT, ITEMS, ETC.

CONCRETE MASONRY UNITS SHALL BE OPEN-END TYPE MEDIUM WEIGHT UNITS FOR EXTERIOR BEARING WALLS. COLOR, TEXTURE, AND PATTERN OF THE CONCRETE MASONRY UNITS TO MATCH EXISTING FACILITY. ALL EXPOSED CONCRETE MASONRY UNITS SHALL BE INTEGRAL COLOR, NOT PAINTED. UNITS SHALL COMPLY WITH ASTM C90-16A AND HAVE 2000PSI MIN. COMPRESSIVE STRENGTH. PROVIDE 1800PSI MIN. COMPRESSIVE STRENGTH TYPE S MORTAR COMPLYING WITH ASTM C270. PROVIDE 3000PSI MIN. COURSE GROUT PROPORTIONED PER 2019 CBC WITH TYPE 1 OR II CEMENT CONFORMING WITH ASTM C150. REINFORCEMENT TO BE 60,000 PSI MIN. YIELD TO COMPLY WITH ASTM A-615. FULLY GROUT ALL CELLS WITH HORIZONTAL AND VERTICAL JOINTS TOOLED CONCAVE. ALL CONSTRUCTION SHALL COMPLY WITH ACI 530-13.

BLOCK PATTERN IS TO MATCH EXISTING BLOCK BUILDINGS. BOTTOM 6 BLOCK ROWS ARE TO HAVE ROUGH EDGE FACING EXTERIOR WHILE THE NEXT UPWARD BLOCK ROWS ARE TO HAVE THE SMOOTH TEXTURE.

WATER REPELLENTS FOR VERTICAL AND HORIZONTAL SURFACES OF CONCRETE AND CONCRETE UNIT MASONRY SHALL BE A CLEAR SILOXANE PENETRATING WATER REPELLENT HAVING MINIMUM WATER ABSORPTION OF 90% COMPLYING WITH ASTM C 140.

MAIN ELECTRICAL SOURCE CONNECTION TO BE DETERMINED BY PROJECT ARCHITECT/ELECTRICAL ENGINEER.



ELEVATION KEY

REV A. 7/27/2020

ADDED NOTE TO REFLECT CURRENT APPLICABLE CODE

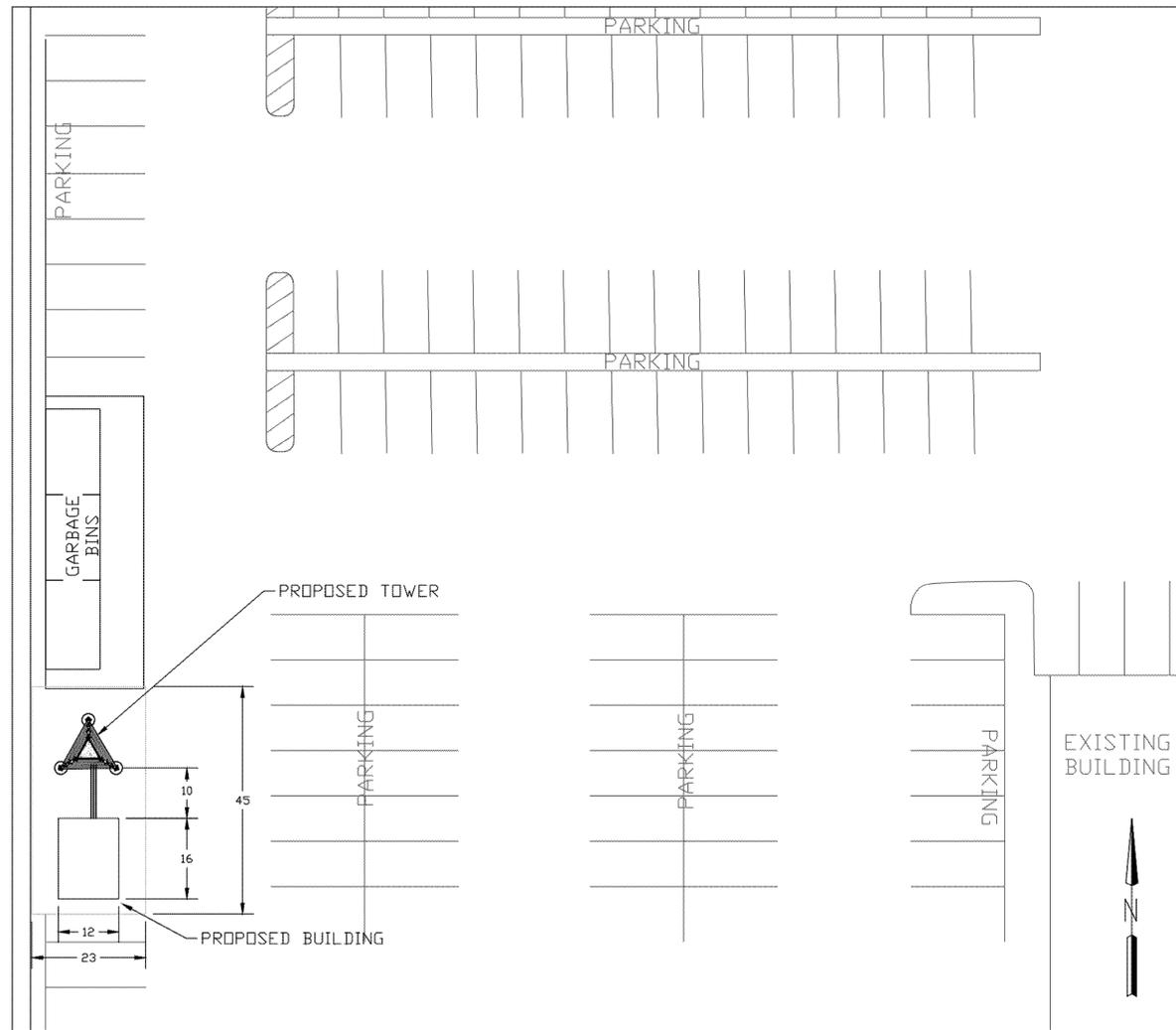
ADDED NOTE ON ELECTRICAL POINT OF CONNECTION.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XXX±0.06 XXX±0.030 STRAIGHT EDGE .008	PART NO.	
	APPROVALS	DATE
MATERIAL	DRAWN	
FINISH	CHECKED	
	ENG. APPD.	
DO NOT SCALE DRAWING		

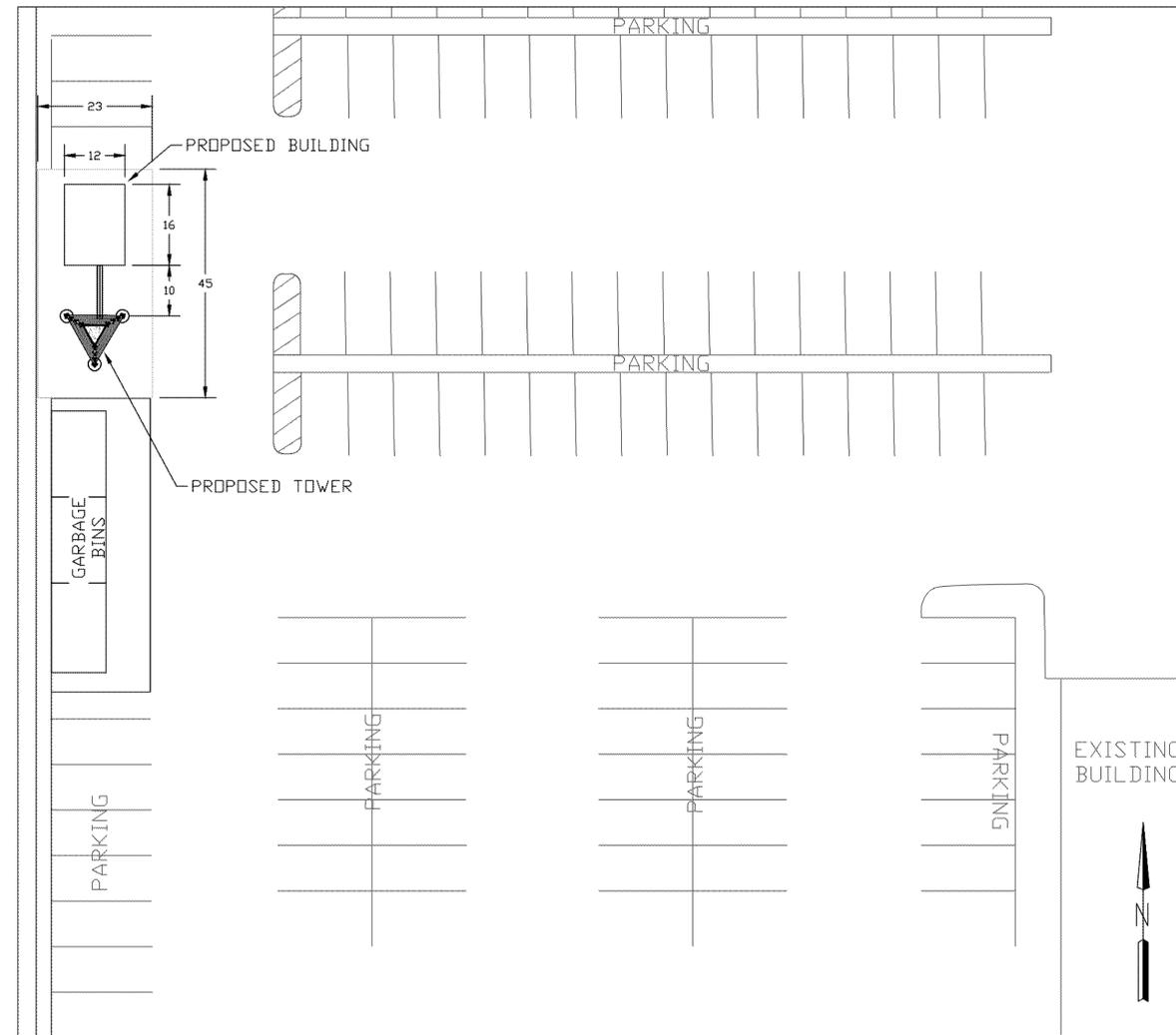


PROJECT NUMBER			
COUNTY OF TULARE			
FILE NAME			
N/A			
TITLE			
BUILDING COVER			
SIZE	CAGE CODE	DRAWING NO.	REV.
D		B-0	
SCALE		SHEET	OF
		1	

LOCATION OPTION A



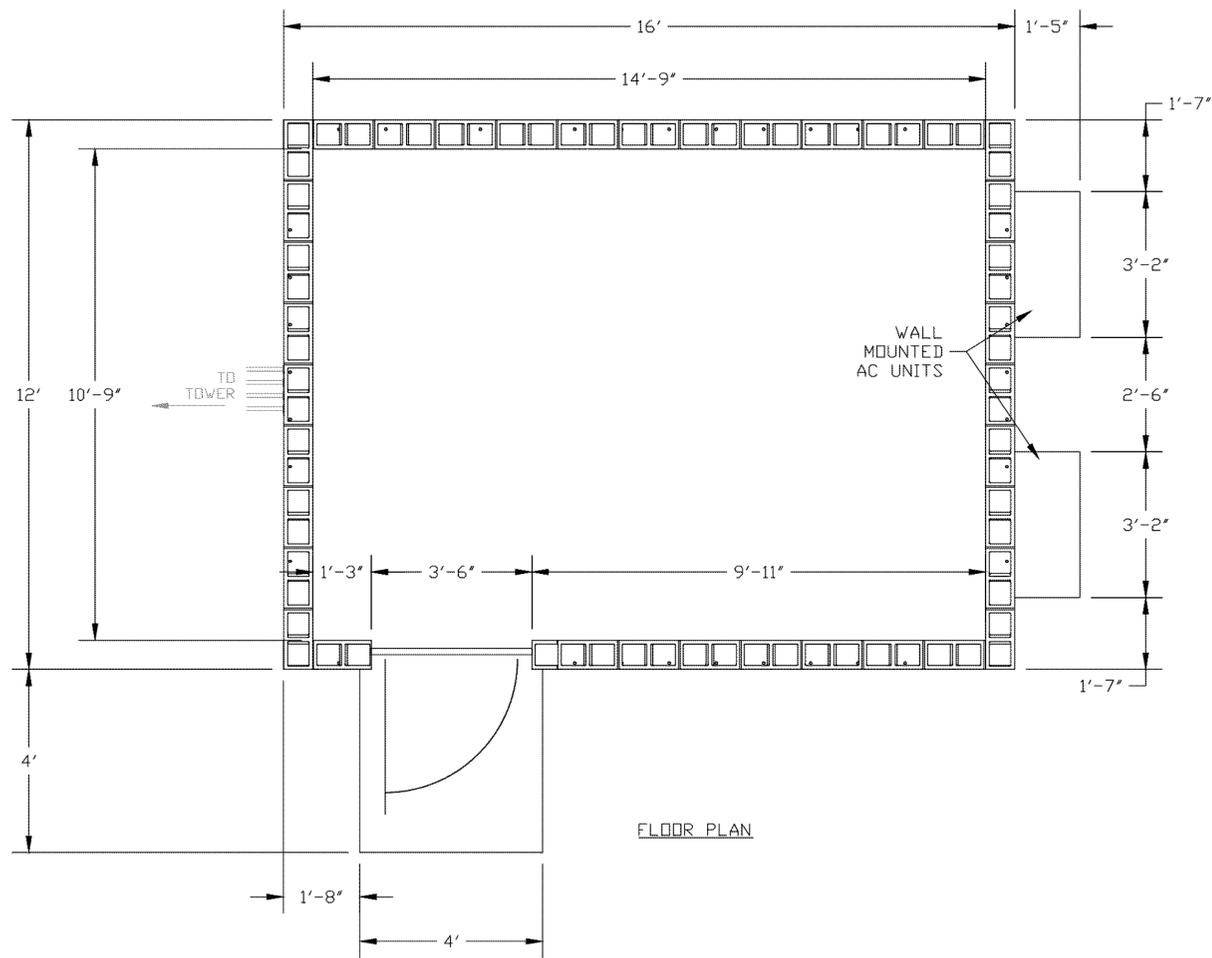
LOCATION OPTION B



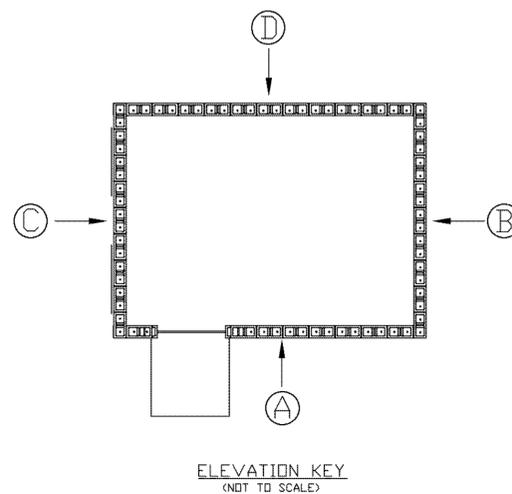
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS XXX±.25 STRAIGHT EDGE .008	ANGLES ± 1/2	PART NO.
		APPROVALS
MATERIAL		DATE
FINISH	DRAWN	
	CHECKED	
	ENG. APPD.	
DO NOT SCALE DRAWING		



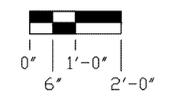
PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE SITE PLAN			
SIZE D	CAGE CODE	DRAWING NO. B-1	REV.
SCALE		SHEET	OF



FLOOR PLAN



ELEVATION KEY
(NOT TO SCALE)

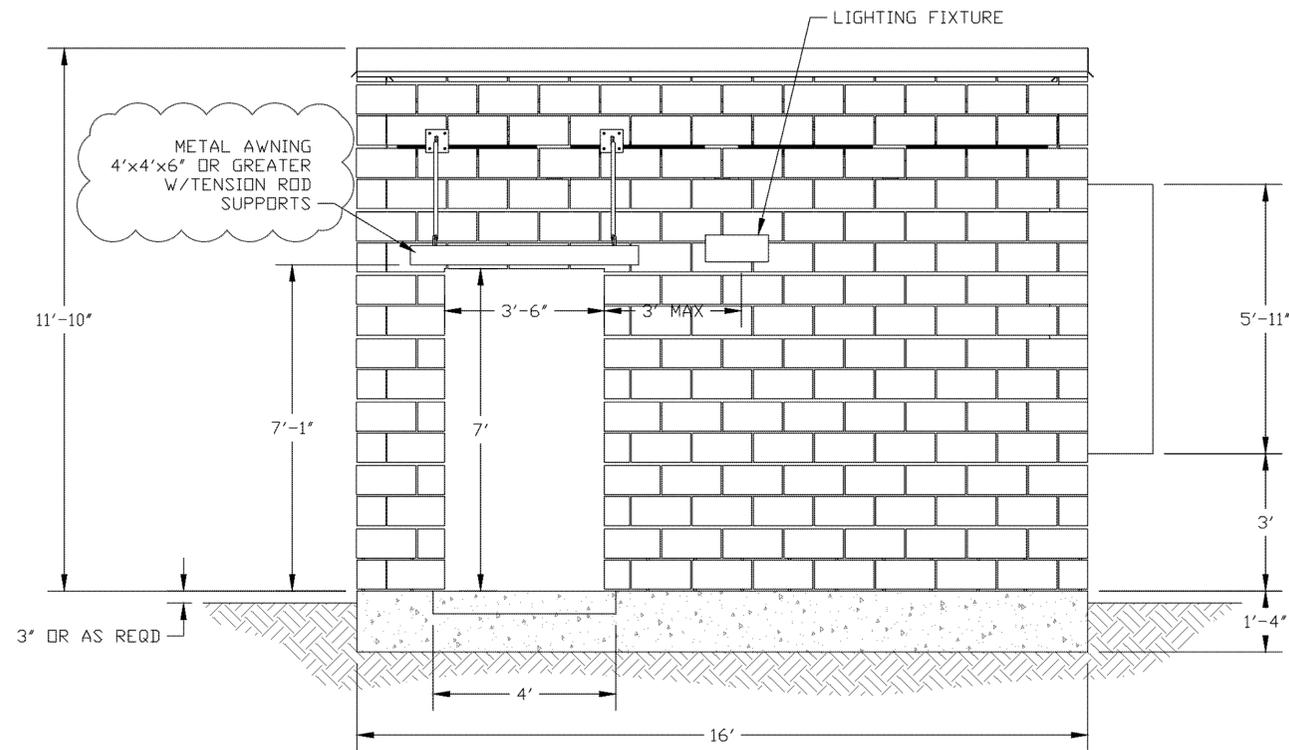


SCALE: 1" = 2'-0"

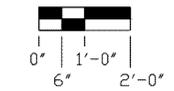
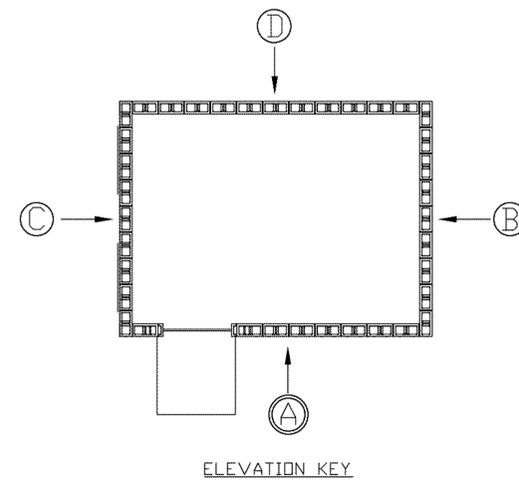
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XXX±0.06	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APP'D.	
DO NOT SCALE DRAWING			



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE BUILDING FLOOR PLAN			
SIZE D	CAGE CODE	DRAWING NO. B-2	REV.
SCALE	SHEET		OF



ELEVATION EXTERNAL,
WALL A



SCALE: 1" = 2'-0"

NOTES:

1. REFER TO ELECTRICAL SHEETS FOR ELECTRICAL SPECIFICATIONS AND DETAILS.
2. REFER TO FOUNDATION SHEETS FOR FOUNDATION SPECIFICATIONS AND DETAILS.

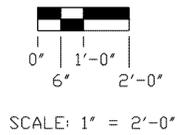
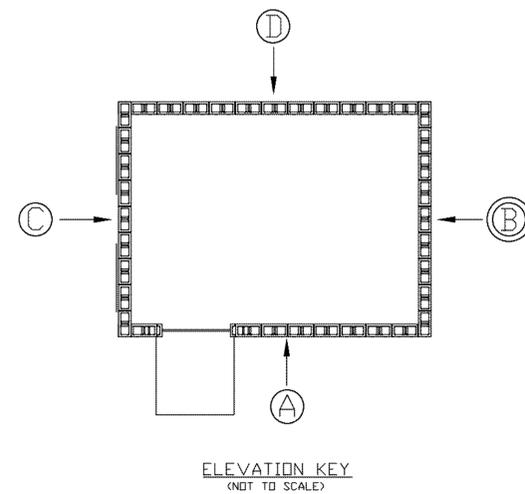
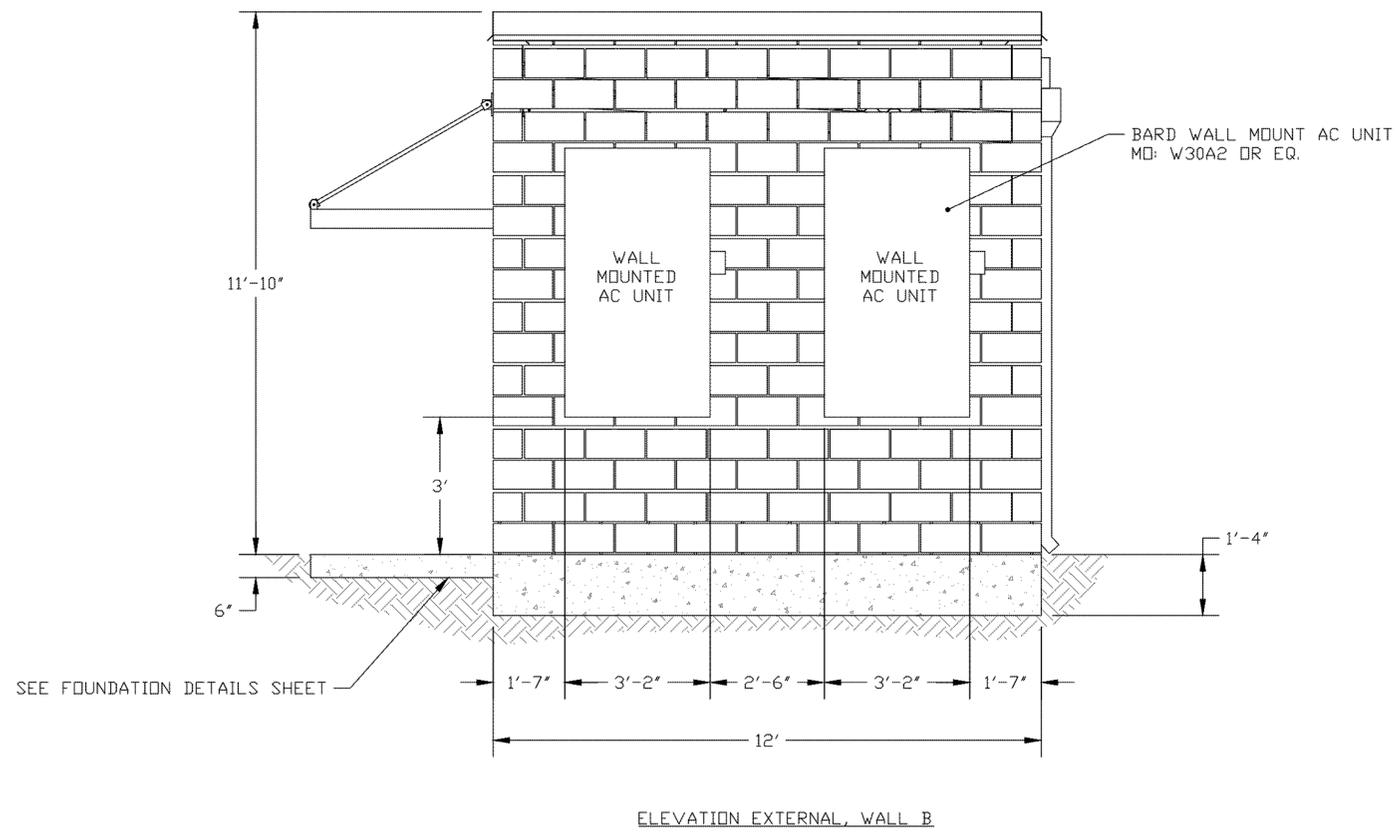
REV A. 7/27/2020

OBJECT ABOVE DOOR IS CLARIFIED AS
AWNING COVER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS XXX±.06 XXX±.030 STRAIGHT EDGE .008	ANGLES ± 1/2°	PART NO.
		APPROVALS
MATERIAL		DATE
FINISH		DRAWN
		CHECKED
		ENG. APPD.
DO NOT SCALE DRAWING		



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE EXTERNAL WALL A			
SIZE D	CAGE CODE	DRAWING NO. B-3	REV.
SCALE		SHEET	OF



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XXX±.05 XXX±.030	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APPD.	
DO NOT SCALE DRAWING			



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE EXTERNAL WALL B			
SIZE D	CAGE CODE	DRAWING NO. B-4	REV.
SCALE		SHEET	OF

8

7

6

5

4

3

2

1

D

D

C

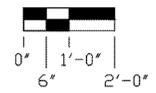
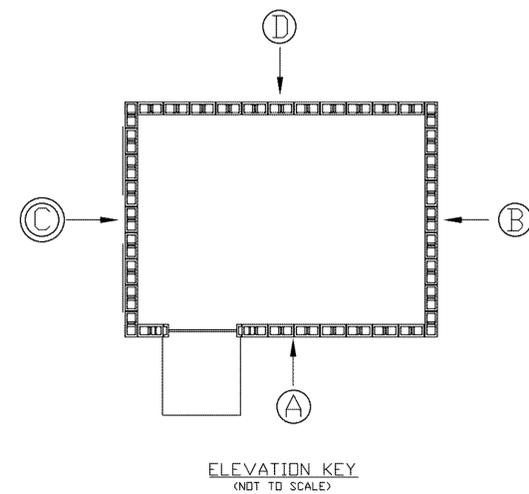
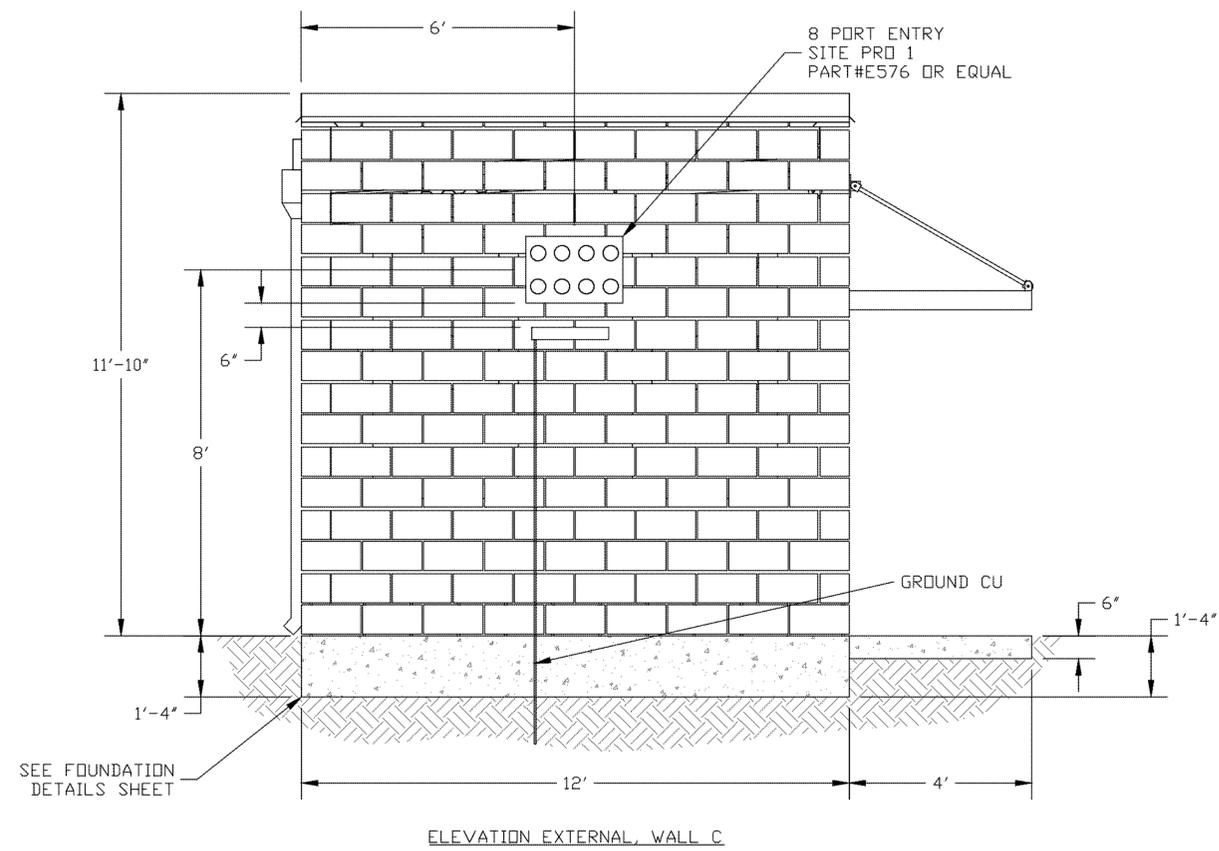
C

B

B

A

A



SCALE: 1" = 2'-0"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS XX±.06 XXX±.030 STRAIGHT EDGE .008	ANGLES ± 1/2	PART NO.	
		APPROVALS	DATE
MATERIAL		DRAWN	
FINISH		CHECKED	
		ENG. APPD.	
DO NOT SCALE DRAWING			



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE EXTERNAL WALL C			
SIZE D	CAGE CODE	DRAWING NO. B-5	REV.
SCALE		SHEET	OF

8

7

6

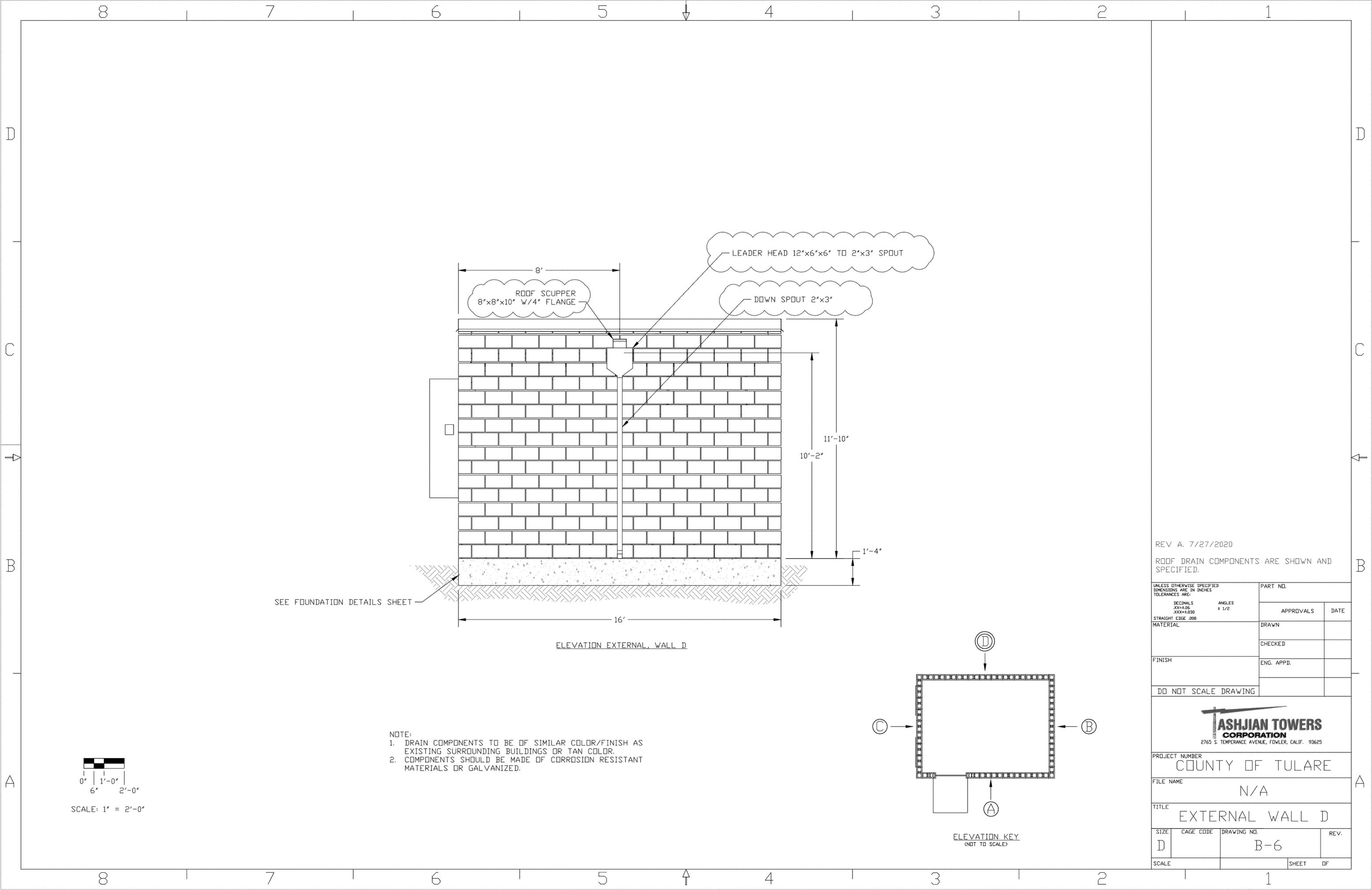
5

4

3

2

1



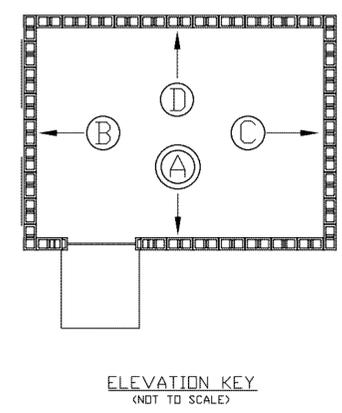
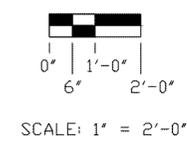
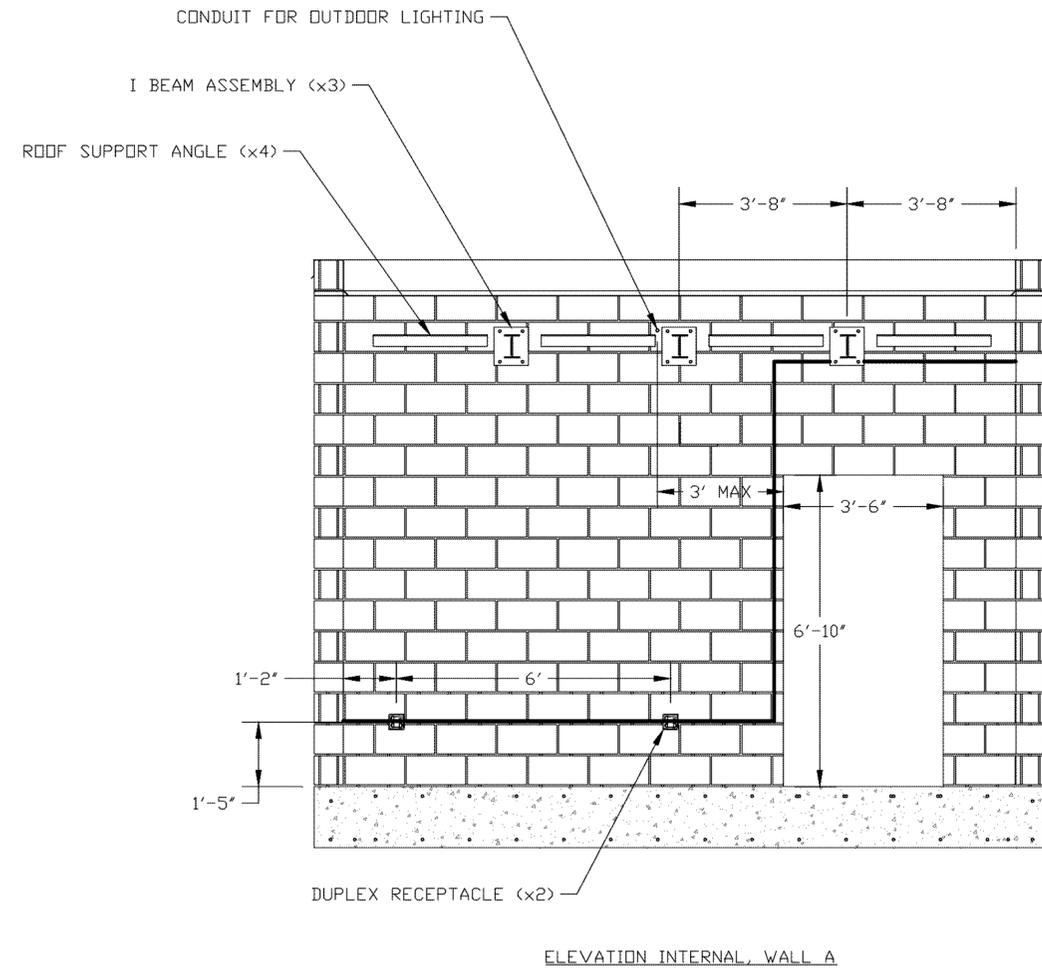
REV A. 7/27/2020

ROOF DRAIN COMPONENTS ARE SHOWN AND SPECIFIED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XX±0.05 XXX±0.030 STRAIGHT EDGE .008	PART NO.	
	APPROVALS	DATE
MATERIAL	DRAWN	
FINISH	CHECKED	
DO NOT SCALE DRAWING	ENG. APPD.	



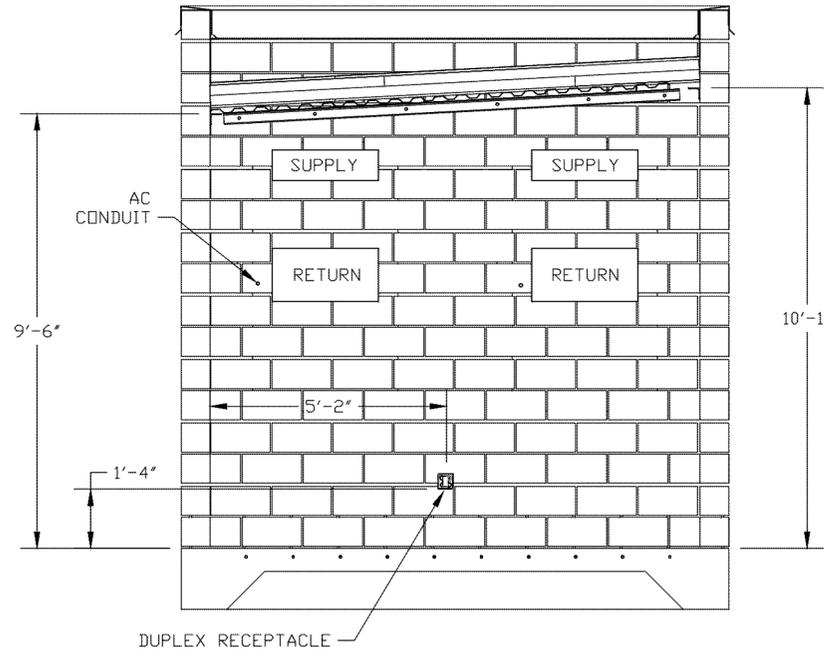
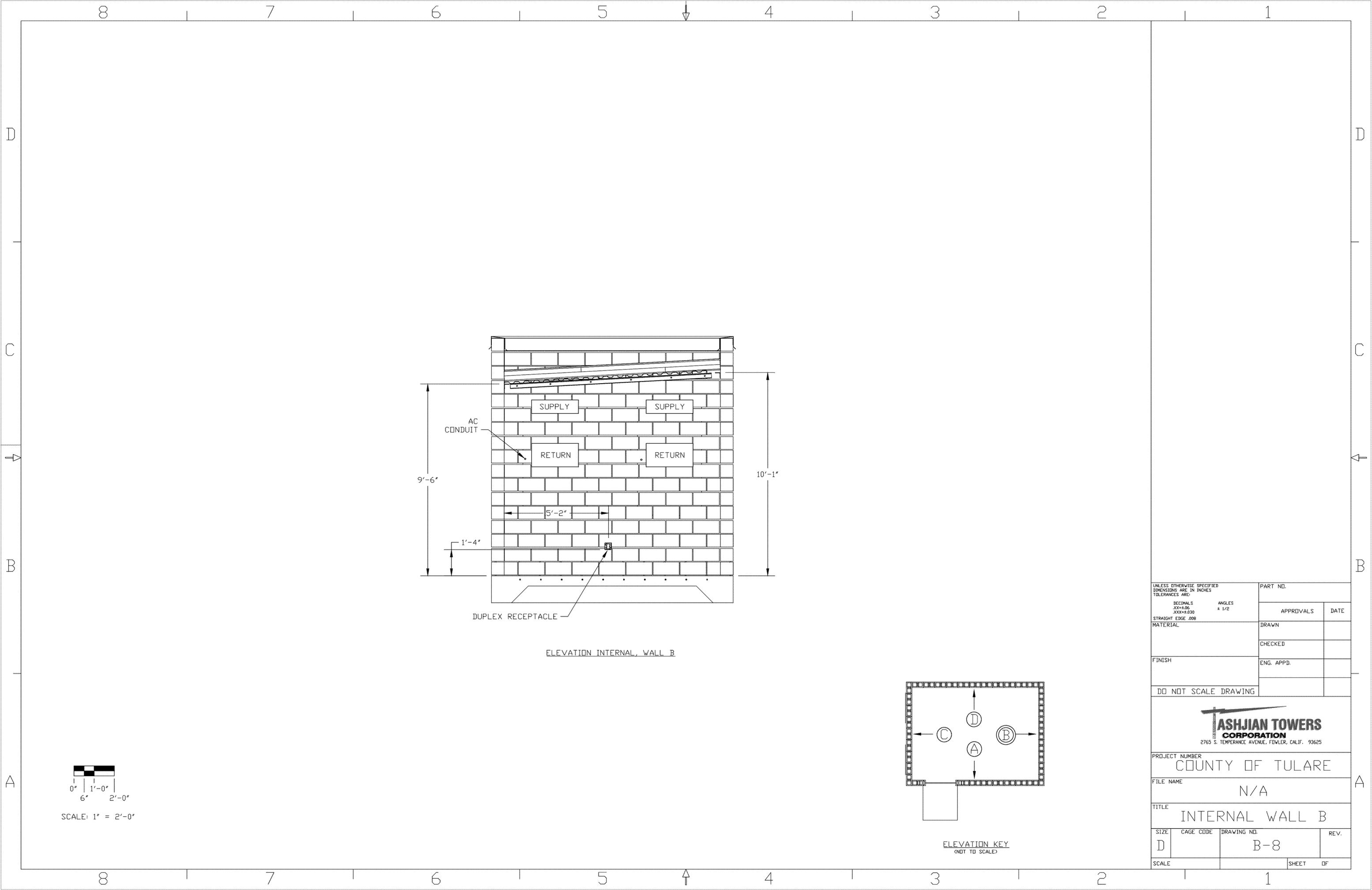
PROJECT NUMBER			
COUNTY OF TULARE			
FILE NAME			
N/A			
TITLE			
EXTERNAL WALL D			
SIZE	CAGE CODE	DRAWING NO.	REV.
D		B-6	
SCALE		SHEET	OF
		1	



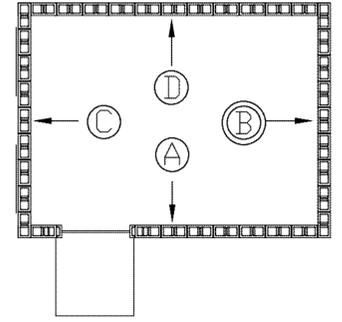
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS	ANGLES	PART NO.
	XX±.06	± 1/2	
STRAIGHT EDGE .008			APPROVALS
MATERIAL			DATE
FINISH			DRAWN
			CHECKED
			ENG. APPD.
DO NOT SCALE DRAWING			



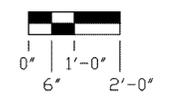
PROJECT NUMBER			
COUNTY OF TULARE			
FILE NAME			
N/A			
TITLE			
INTERNAL WALL A			
SIZE	CAGE CODE	DRAWING NO.	REV.
D		B-7	
SCALE		SHEET	OF
		1	



ELEVATION INTERNAL, WALL B



ELEVATION KEY
(NOT TO SCALE)

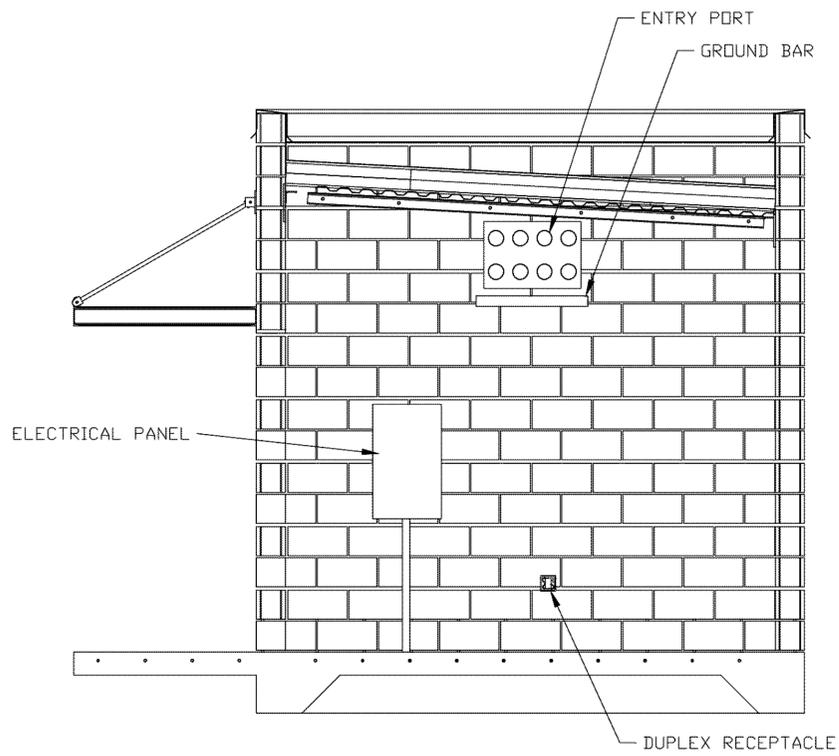
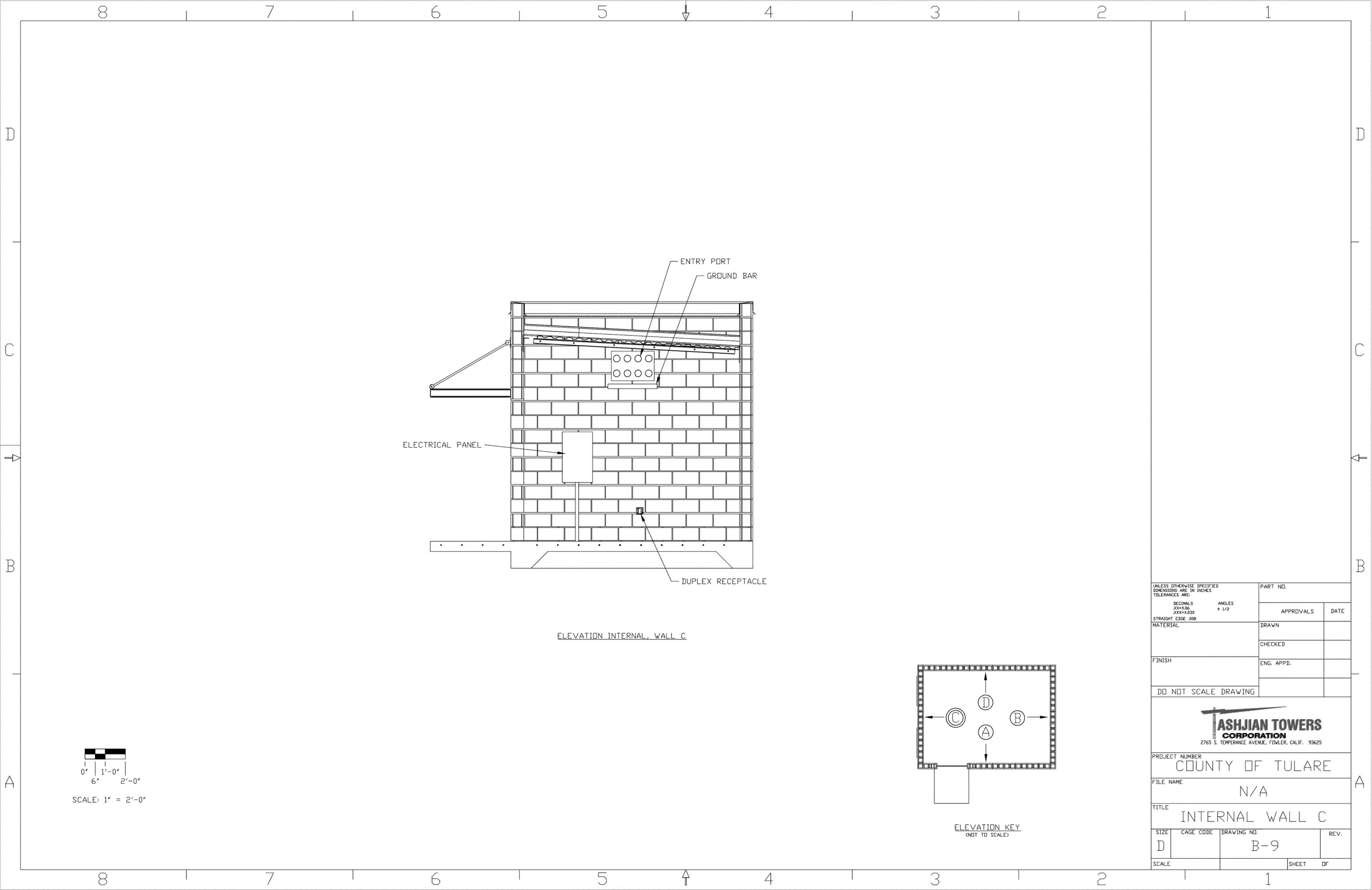


SCALE: 1" = 2'-0"

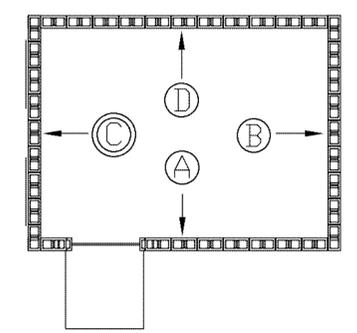
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS XXX±.06 XXX±.030 STRAIGHT EDGE .008	ANGLES ± 1/2	PART NO.	
		APPROVALS	DATE
MATERIAL		DRAWN	
		CHECKED	
FINISH		ENG. APPD.	
DO NOT SCALE DRAWING			



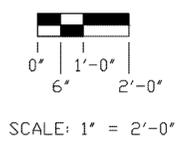
PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE INTERNAL WALL B			
SIZE D	CAGE CODE	DRAWING NO. B-8	REV.
SCALE		SHEET	OF



ELEVATION INTERNAL, WALL C



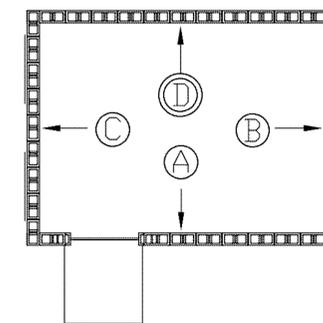
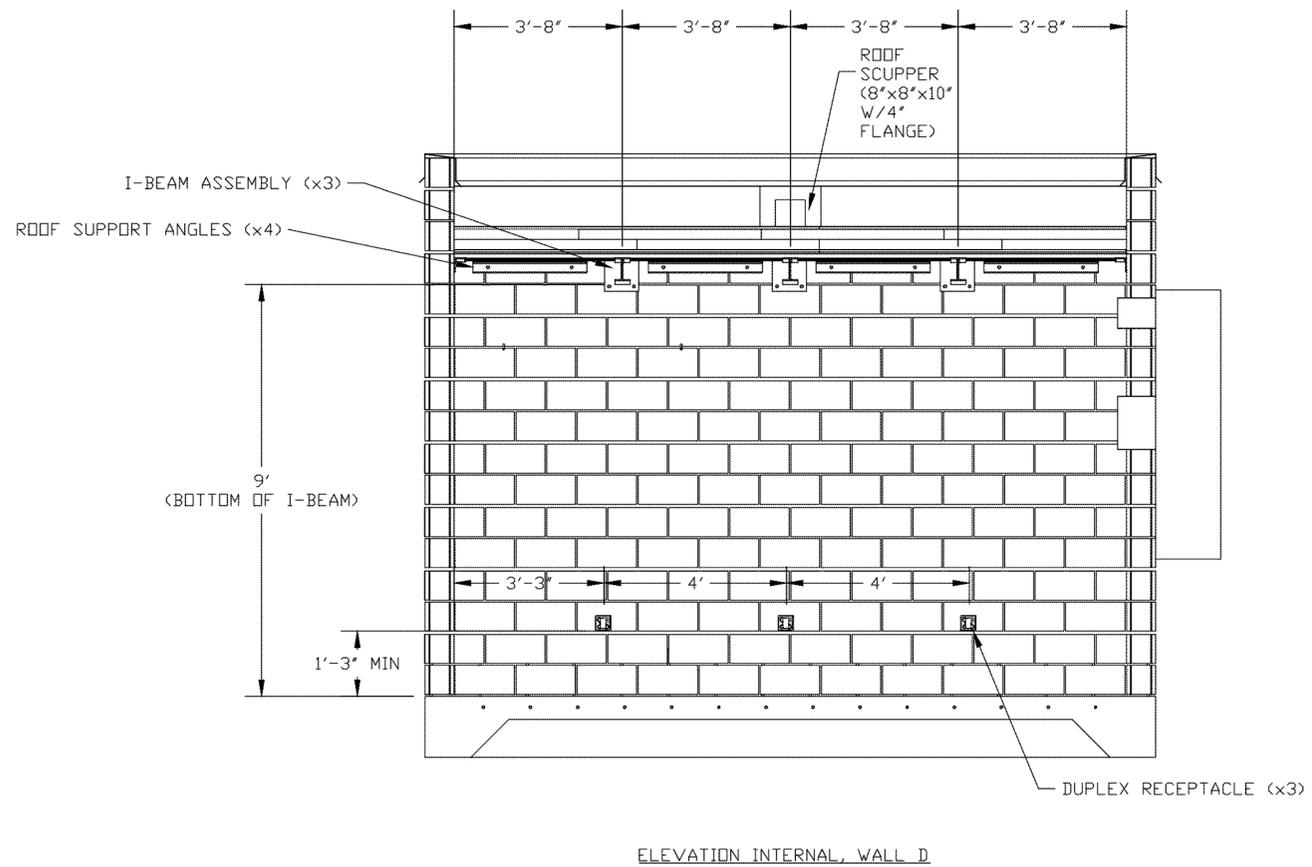
ELEVATION KEY
(NOT TO SCALE)



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XXX±0.06	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APP'D.	
DO NOT SCALE DRAWING			



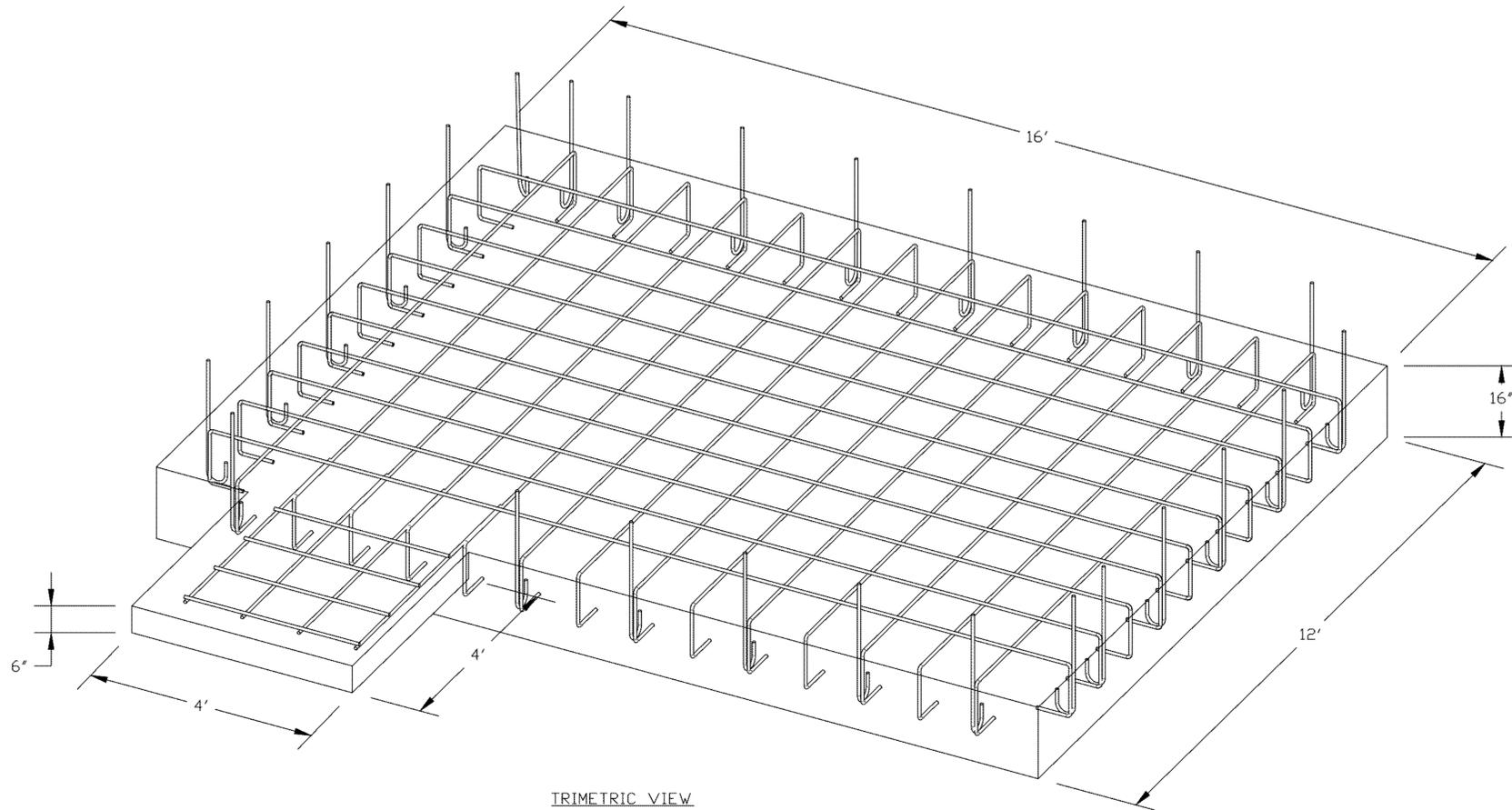
PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE INTERNAL WALL C			
SIZE D	CAGE CODE	DRAWING NO. B-9	REV.
SCALE		SHEET	OF



0' 1'-0" 2'-0"
6" 1'-0" 2'-0"
SCALE: 1" = 2'-0"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XXX±.06	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APPD.	
DO NOT SCALE DRAWING			

ASHJIAN TOWERS CORPORATION 2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625			
PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE INTERNAL WALL D			
SIZE D	CAGE CODE	DRAWING NO. B-10	REV.
SCALE		SHEET	OF



TRIMETRIC VIEW

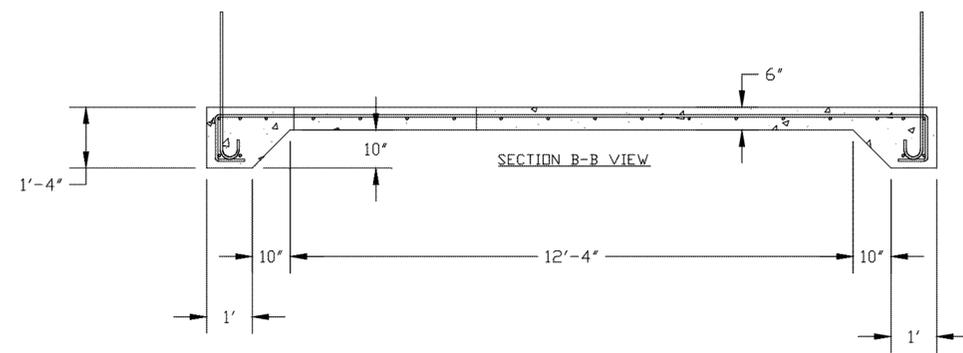
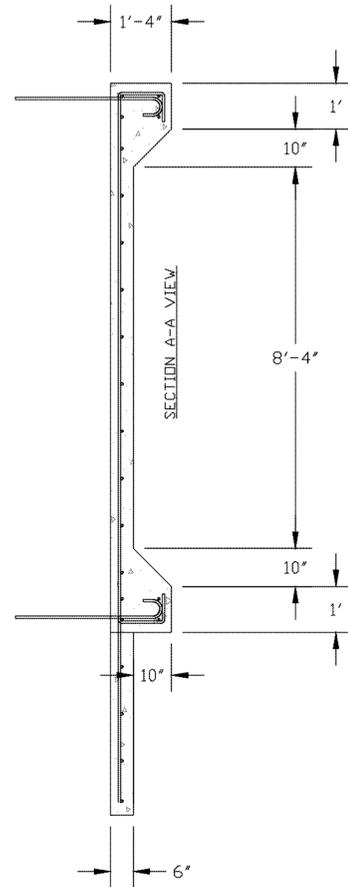
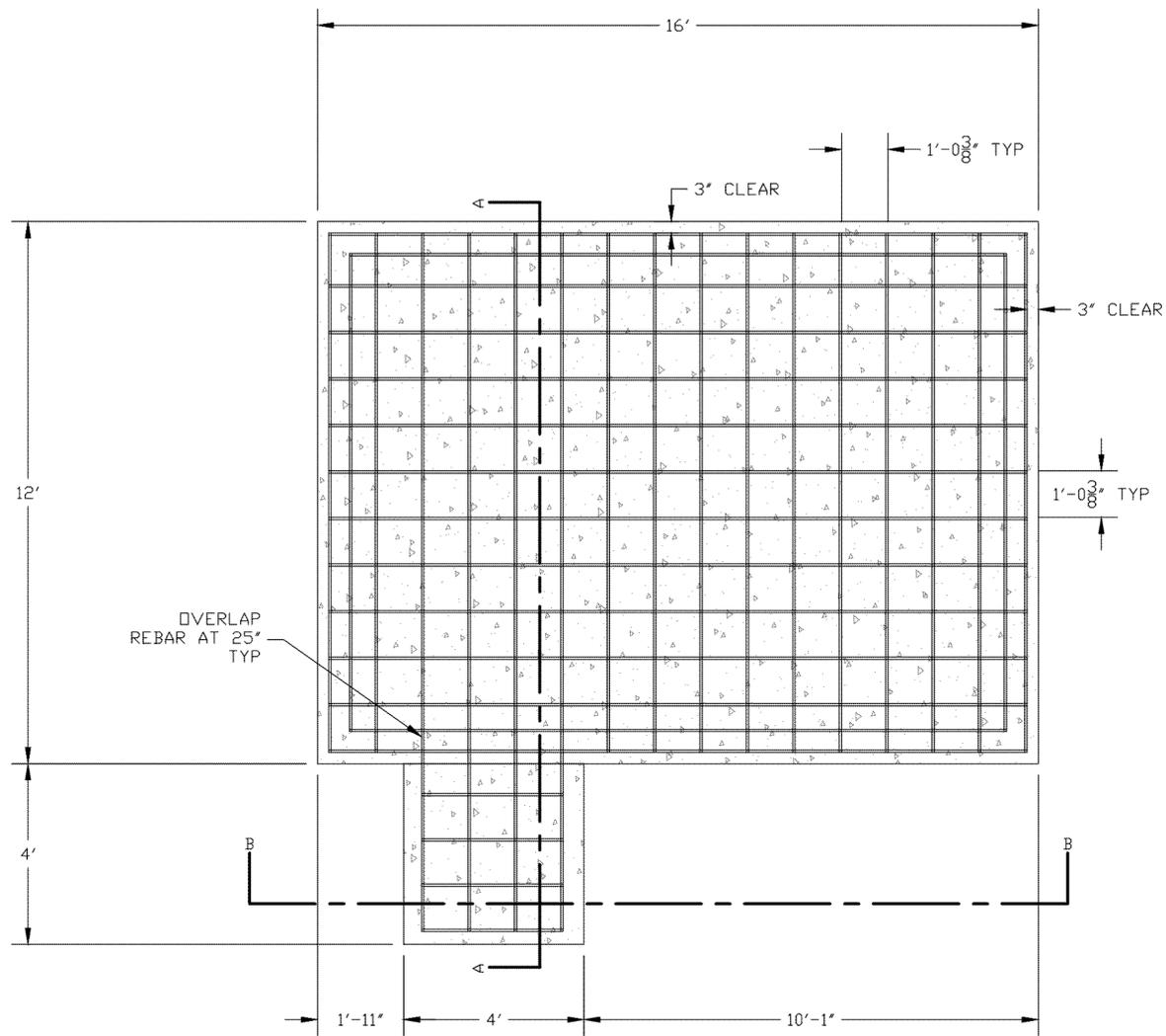
NOTES:

- GRANULAR AGGREGATE SUBBASE MATERIAL SHALL CONFORM TO ASTM D-2940, LATEST EDITION (TABLE 1, BASES) WITH AT LEAST 95% PASSING A 3/4" SIEVE AND NOT MORE THAN 8% PASSING A NO. 200SIEVE OR APPROVED EQUIVALENTS. TO PREVENT CAPILLARY MOISTURE RISE.
- DESIGN IS BASED ON SOILS REPORT INVESTIGATION BY CONSOLIDATED TESTING LABORATORIES, FILE NO. E2755-20, DATED MAY 29, 2020.
- (UNDER SLAP VAPOR BARRIER) - VAPOR BARRIER SHALL MAINTAIN PERMEANCE OF LESS THAN 0.01 PERM [GRAINS/(FT*HR*IN HG)] AS TESTED IN ACCORDANCE WITH MANDATORY CONDITIONING TESTS PER ASTM E1745 SECTION 7.1 (7.1.1-7.1.5). STRENGTH COMPLYING WITH ASTM E1745 CLASS A. 15 MILS MINIMUM THICKNESS. THIRD PARTY DOCUMENTATION THAT ALL TESTING WAS PERFORMED ON A SINGLE PRODUCTION ROLL PER ASTM E 1745 SECTION 8.1. VAPOR BARRIER TO BE RAVEN INDUSTRIES "VAPORBLOCK 15, STEGO INDUSTRIES 15 MIL "STEGO WRAP" OR W.R. MEADOWS SEALTIGHT 15 MIL "PERMINATOR" OR EQUIVALENT.
- CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND A MAXIMUM WATER-CEMENTITIOUS RATIO OF 0.40. IN ACCORDANCE WITH ACI 318-14. CONCRETE MIXTURE SHALL CONSIST OF TYPE 5 CEMENT AND A MAXIMUM AGGREGATE SIZE OF 1". ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED 3/4".
- ALL REBAR TO BE #5 REBAR. REBAR TO CONFORM TO ASTM SPECIFICATION A615 GRADE 60. ALL REBAR TO HAVE A MINIMUM 3" CONCRETE COVER.

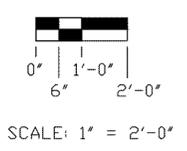
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XX±0.06 XXX±0.030	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APPD.	
DO NOT SCALE DRAWING			



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE BUILDING FOUNDATION			
SIZE D	CAGE CODE	DRAWING NO. B-11	REV.
SCALE	SHEET		OF



NOTE:
ALL REBAR IS TO BE #5 REBAR

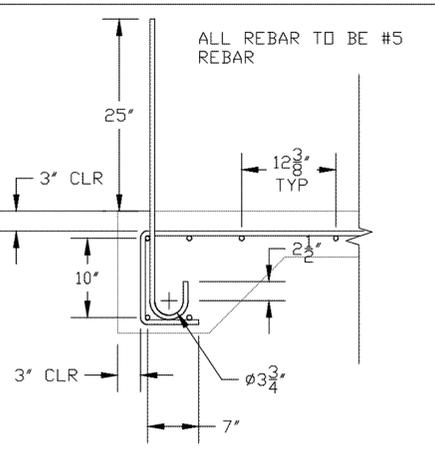


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS .XX±.06	ANGLES ± 1/2°	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APP'D.	
DO NOT SCALE DRAWING			

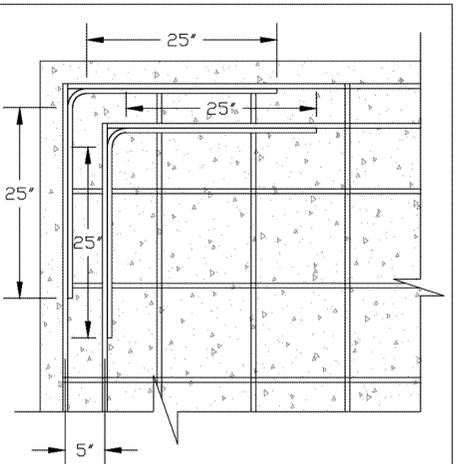


PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE FOUNDATION PLAN			
SIZE D	CAGE CODE	DRAWING NO. B-12	REV.
SCALE		SHEET	OF

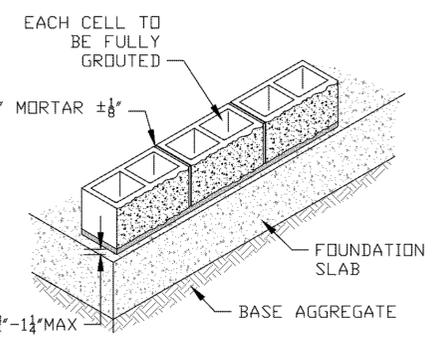
ALL REBAR TO BE #5 REBAR



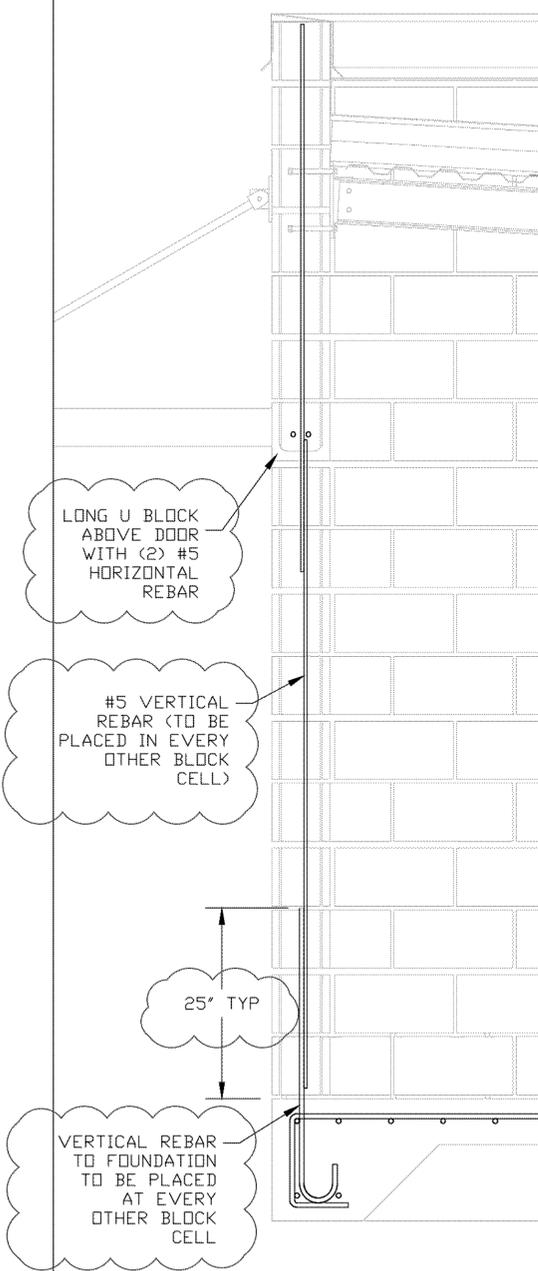
② FOUNDATION REBAR DETAIL



③ CORNER REBAR DETAIL



④ BLOCK TO FOUNDATION DETAIL



① CMU REBAR DETAIL

NOTE: ALL EXPOSED CONCRETE EDGES TO BE CHAMFERED 3/4"

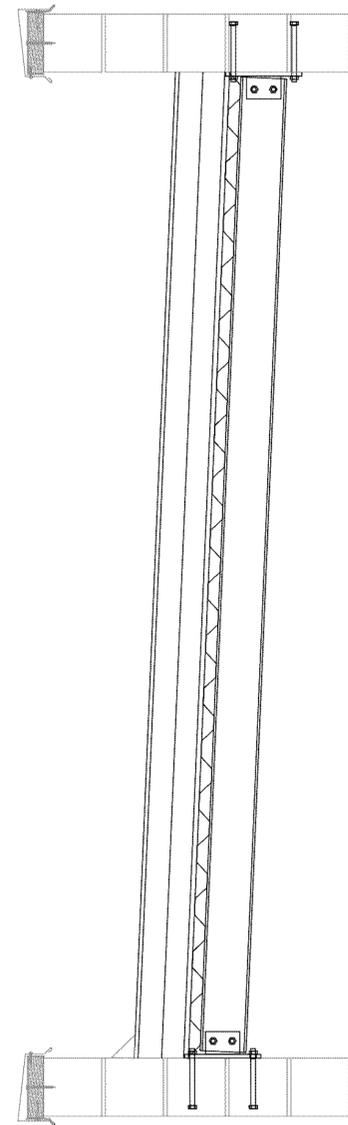
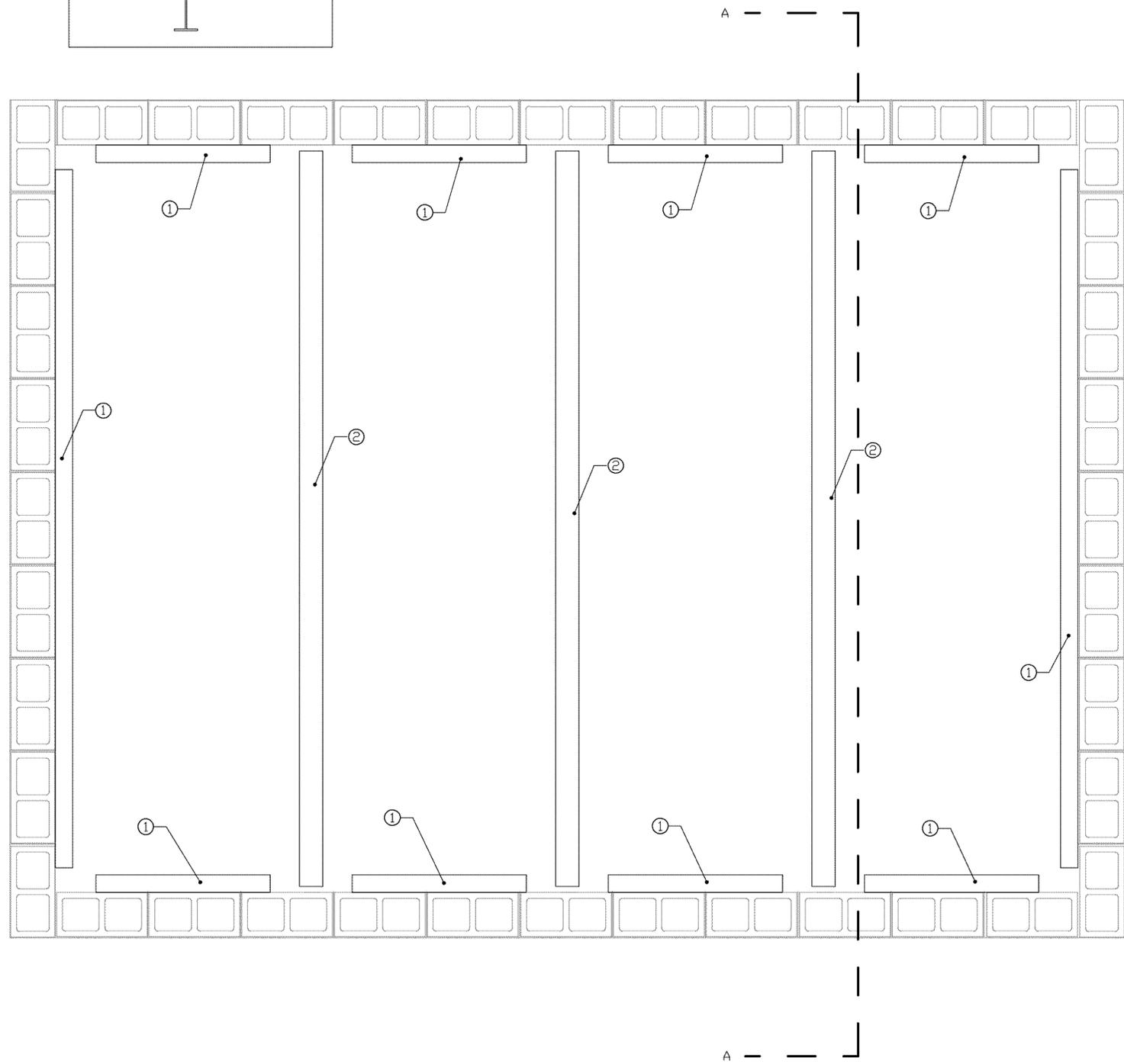
REV. A. 7/27/2020
 ADDED VERTICAL REBAR OVERLAP SPACING AND VERTICAL REBAR PLACEMENT.
 ADDED HORIZONTAL/LINTEL INFORMATION ABOVE DOOR.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.	
DECIMALS XXX+0.06 XXX+0.030	ANGLES ± 1/2	APPROVALS	DATE
STRAIGHT EDGE .008		DRAWN	
MATERIAL		CHECKED	
FINISH		ENG. APPD.	
DO NOT SCALE DRAWING			



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE FOUNDATION DETAILS			
SIZE D	CAGE CODE	DRAWING NO. B-13	REV.
SCALE	SHEET		OF

①	3"x3"x1/4" ANGLE
②	W6x12 BEAM



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .004±.005 XXX±.030 STRAIGHT EDGE .008 MATERIAL	PART NO.	
	APPROVALS	DATE
FINISH	DRAWN	
	CHECKED	
DO NOT SCALE DRAWING	ENG. APPD.	

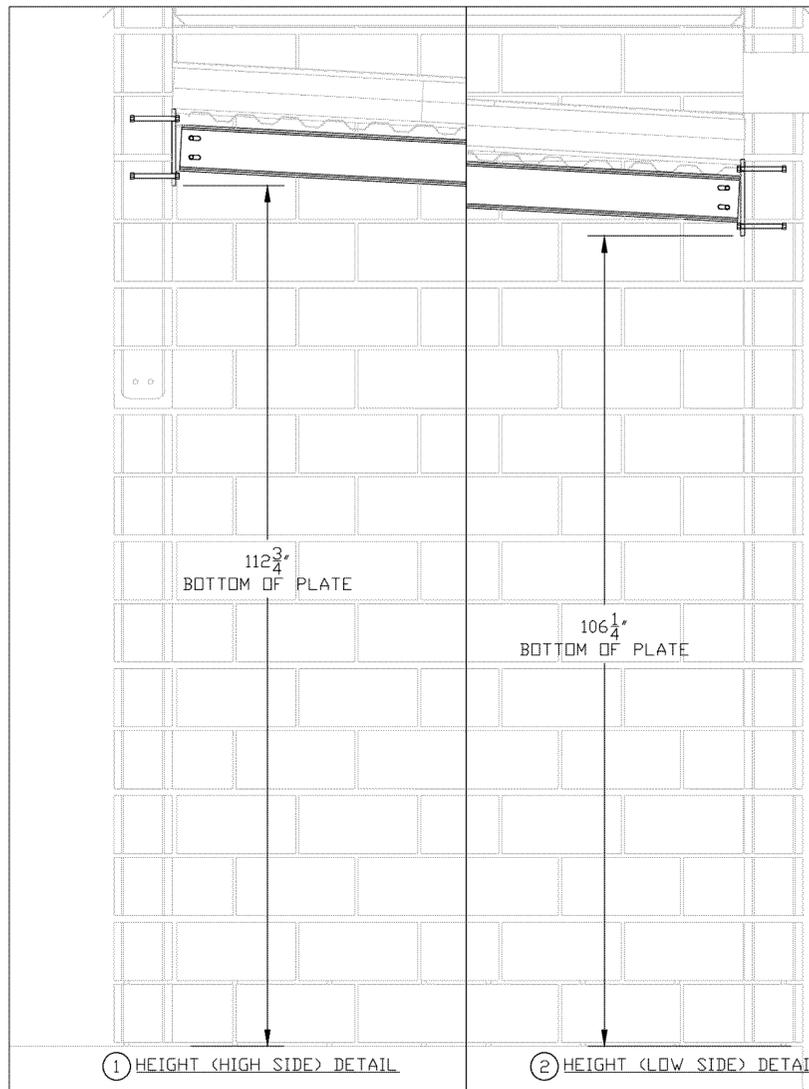
ASHJIAN TOWERS CORPORATION
2765 S. TEMPERANCE AVENUE, FOWLER, CALIF. 93625

PROJECT NUMBER
COUNTY OF TULARE

FILE NAME
N/A

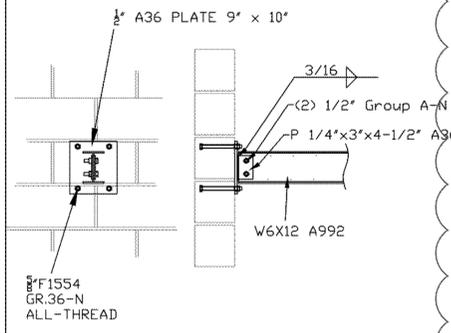
TITLE
ROOF PLAN

SIZE	CAGE CODE	DRAWING NO.	REV.
D		B-14	
SCALE		SHEET	OF
		1	

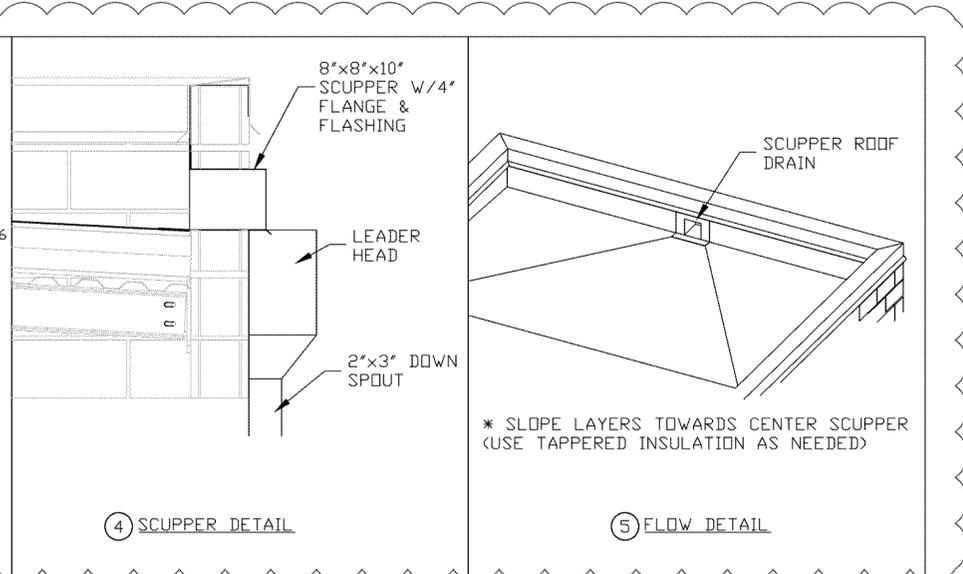


① HEIGHT (HIGH SIDE) DETAIL

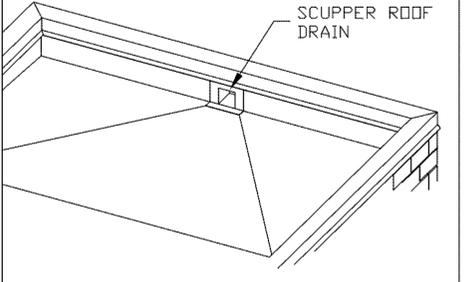
② HEIGHT (LOW SIDE) DETAIL



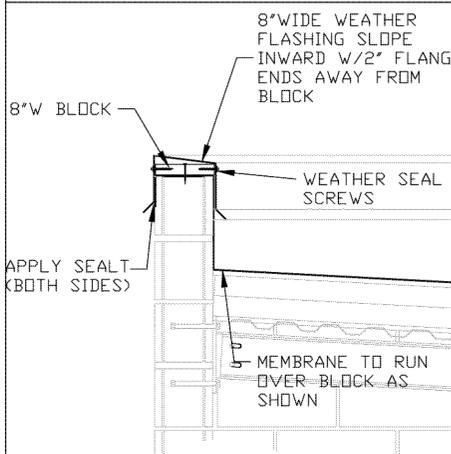
③ MOUNT PLATE DETAIL



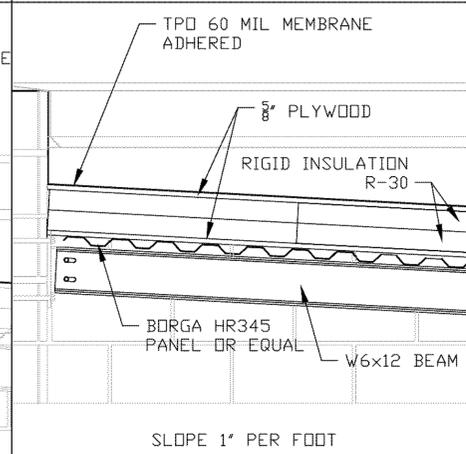
④ SCUPPER DETAIL



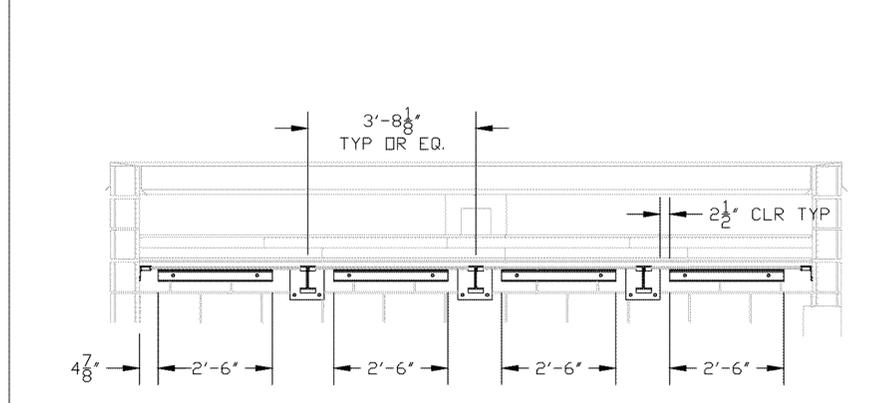
⑤ FLOW DETAIL



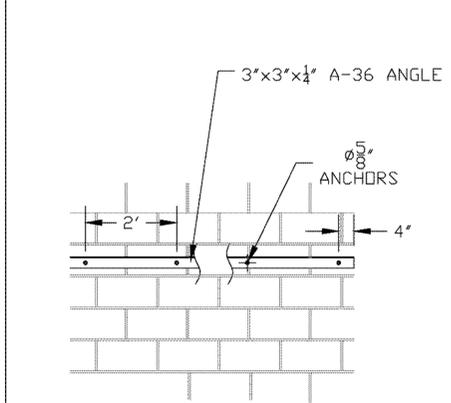
⑥ ROOF TRIM DETAIL



⑦ ROOF LAYER DETAIL



⑧ SUPPORT BEAM DETAIL



⑨ ANGLE BEAM DETAIL

NOTES:

- THE ROOFING SYSTEM SHALL BE AN ADHERED 60 MIL SINGLE-PLY ROOFING SYSTEM OVER RIGID INSULATION OVER STRUCTURAL METAL DECK. ROOFING SHALL BE EXTENDED UP AND OVER THE BACKSIDE OF PARAPET WALLS. ROOF SLOPE SHALL BE 1/2" PER FOOT MINIMUM. SLOPE TO SCUPPERS AT PERIMETER OF BUILDING. PROVIDE SLIP RESISTANT WALKWAY PADS FOR MAINTENANCE ACCESS AS REQUIRED.
- (ROOF INSULATION) MINIMUM ROOF INSULATION VALUE SHALL BE R-30.
- (SHEET METAL FLASHING, BLOCKING, AND TRIM) - SHEET METAL FLASHING AND TRIM SHALL COMPLY WITH NRCA'S "THE NRCA ROOFING MANUAL" AND SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL". DOC PS 20 WOOD BLOCKING TO HAVE MAXIMUM MOISTURE CONTENT OF 15 PERCENT FOR 2-INCH NOMINAL THICKNESS.
- (ROOFING SPECIALTY) PRE-FINISHED ZINC-COATED (GALVANIZED) COPINGS, ROOF EDGE FLASHING AND DRAINAGE SYSTEMS INCLUDING SCUPPERS AND DOWNSPOUTS, COUNTER FLASHING, UNDER-LAYMENT MATERIALS AND SEALANTS COMPLYING WITH ASTM A 653/A 653M, WITH G90 COATING DESIGNATION AND COIL-COATED WITH A TWO-COAT FLOURDOPOLYMER HIGH-PERFORMANCE ORGANIC FINISH COMPLYING WITH AAMA 621.
- (ROOF SPECIAL TIES) SECTION INCLUDES PRE-FINISHED ZINC-COATED (GALVANIZED) COPINGS, ROOF-EDGE FLASHINGS AND DRAINAGE SYSTEMS INCLUDING SCUPPERS AND DOWNSPOUTS, COUNTER FLASHING, UNDERLAYMENT MATERIALS AND SEALANTS COMPLYING WITH ASTM A 653/A 653M, WITH G90 COATING DESIGNATION AND COIL-COATED WITH A TWO-COAT FLOURDOPOLYMER HIGH-PERFORMANCE ORGANIC FINISH COMPLYING WITH AAMA 621 WHEN NOT CONCEALED BY OTHER CONSTRUCTION, CONTAINING NOT LESS THAN 70 PERCENT PVDF RESIN BY WEIGHT IN COLOR COAT.
- (THERMOPLASTIC POLYOLEFIN) WATERTIGHT, ADHERED, CLASS A PER ASTM E108 OR UL790, WHITE FABRIC-REINFORCED THERMOPLASTIC POLYOLEFIN (TPO) MEMBRANE ROOFING SYSTEM OF 60MILS NOMINAL THICKNESS, COMPLYING WITH ASTM 6878 WITH AN INITIAL SOLAR REFLECTANCE INDEX NO LESS THAN 0.08 AND EMISSIVITY NO LESS THAN 0.75 WHEN TESTED ACCORDING TO CRRC-1.

REV A. 7/27/2020
ROOF DRAIN COMPONENTS AND DETAILS ARE SHOWN.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	DECIMALS XXX+.05 XXX+.030	ANGLES ± 1/2	PART NO.	
	STRAIGHT EDGE .008		APPROVALS	DATE
MATERIAL			DRAWN	
FINISH			CHECKED	
			ENG. APPD.	
DO NOT SCALE DRAWING				



PROJECT NUMBER COUNTY OF TULARE			
FILE NAME N/A			
TITLE ROOF DETAILS			
SIZE D	CAGE CODE	DRAWING NO. B-15	REV.
SCALE		SHEET	OF