

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	APPROVED
A	REMOVED CONCRETE FILL FOR DECORATIVE BOLLARD ONLY NOTE	5/15/2012	R.S.	

- NOTES:
1. CRASH RATING: 1500LB (6800KG) @ 30MPH (50KMH) M30/K4
  2. CRASH RATING BAED ON 2 BOLLARD HIT & MINIMUM FOUNDATION LENGTH OF 13'-0"
  3. REBAR REQUIRED IS APPROXIMATELY 65LB (43KG) PER BOLLARD
  4. INSTALLATION MUST BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
  5. OPTIONAL DECORATIVE SLEEVE NOT SHOWN
  6. ALL EXPOSED METAL IS PAINTED WITH BarrierKOTE CORROSION RESISTANT COATING

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DRAWN BY	AD	CHECKED	AA	APVD	
MATERIAL		FINISH		DATE	07/29/2019
VERSION		SIZE	B	DWG NO	FX-M30-D36-GA
		SCALE: 1:18	WEIGHT: 18824.9118824.91	REV	A
				SHEET	1 OF 2

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**GENERAL NOTES:**

1. IF TOPPER IS NOT REQUIRED, EXPAND FOUNDATION DEPTH TO ACHIEVE "H" DIMENSION (ADDITIONAL 4").
2. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS NECESSARY IN ORDER TO COMPLY WITH THE DESIGN DRAWINGS.
3. CONTRACTOR SHALL INFORM SECUREUSA IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN WRITTEN APPROVALS FOR SPECIFIC DEVIATION.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS.

**FOUNDATION NOTES:**

1. DESIGN NET ALLOWABLE SOIL BEARING PRESSURE OF 3000LB/SQFT AT A DEPTH OF 12IN BELOW ADJACENT GRADE. ALL FOOTING EXCAVATIONS TO BE VERIFIED BY OTHERS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPORT ADVERSE CONDITIONS.
2. THE EXCAVATION SHALL BE KEPT DRY AT ALL TIMES. GROUNDWATER SHALL BE REMOVED FROM THE EXCAVATION.
3. CONTRACTOR SHALL REMOVE ALL LOOSE SOIL OR ROCK FROM THE FOOTING EXCAVATION PRIOR TO CONCRETE PLACEMENT
4. SUBGRADE SHALL BE UNIFORMLY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

**CONCRETE NOTES:**

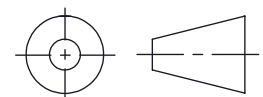
1. CONCRETE SHALL CONFORM TO ACI BUILDING CODE 318-08.
2. THE SLAB SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH MAXIMUM WATER - CEMENTIOUS MATERIALS RATIO OF 0.45. MAXIMUM SLUMP FOR CONCRETE SHALL BE 5" AT POINT OF PLACEMENT.
3. CEMENT SHALL BE TESTED PORTLAND CEMENT CONFORMING TO ASTM C150 TYPE II.
4. AGGREGATES SHALL CONFORM TO ASTM C33.
5. CONCRETE SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ACI 318-08 TABLE 4.4.1. CONCRETE CURING SHALL COMPLY WITH ACI308.
6. HOT WEATHER CONCRETE PLACEMENT SHALL COMPLY WITH ACI 305.
7. COLD WEATHER CONCRETE PLACEMENT SHALL COMPLY WITH ACI 306.

**REINFORCING STEEL:**

1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 (60,000 PSI).
2. USE A MINIMUM BAR LAP OF 60 BAR DIAMETERS WHEN JOINING REBAR. STAGGER LAPS WHERE POSSIBLE.
3. USE CHAIRS, SPREADERS, BLOCKS ETC. AS REQUIRED TO HOLD REBAR IN POSITION BEFORE COCRETE IS POURED.

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		07/29/2019		SCALE: 1:24	WEIGHT: 18824.91
				SHEET 2 OF 2	