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**AJUSTCO**  
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 PH: (646) 708-4422

SHEET NO. 1 OF 7  
 DESIGN BY MG DATE 3/20/24  
 CHECKED BY MG DATE 6/05/24  
 SCALE AS SHOWN



PROJECT NO.:

23-377

ADDRESS:

DRAWING NO.:

GRAD 5 ZINC

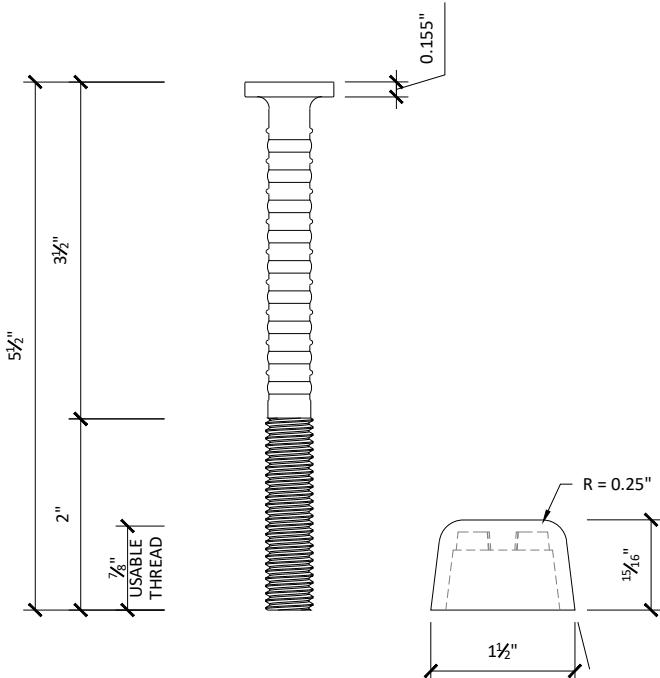
DRAWING TITLE:  
 ANCHOR THREAD  
 AT-500-SB-6  
 STRAIGHT BOLT

## ANCHOR THREAD STRAIGHT BOLT SPEC SHEET

### ZINC PLATED GRADE 5 STEEL

**PRODUCT DESCRIPTION:**

THE ANCHOR THREAD IS AN EMBEDDED ANCHOR POINT THAT IS INSTALLED INTO THE CONCRETE FORMWORK AND BURIED IN THE CONCRETE TO BECOME A PERMANENT PART OF THE SUPERSTRUCTURE.



**SPECIFICATIONS**

- ANCHOR BOLT MATERIAL: ZINC PLATED GRADE 5 STEEL
- THREAD SIZE: 1/2"-13 UNC RIGHT HAND TURN
- USABLE THREAD: 7/8"
- CAVITY DEPTH: 15/16"
- CAVITY BASE DIAMETER: 1 1/2"
- CAVITY TAPER: 14 DEGREES

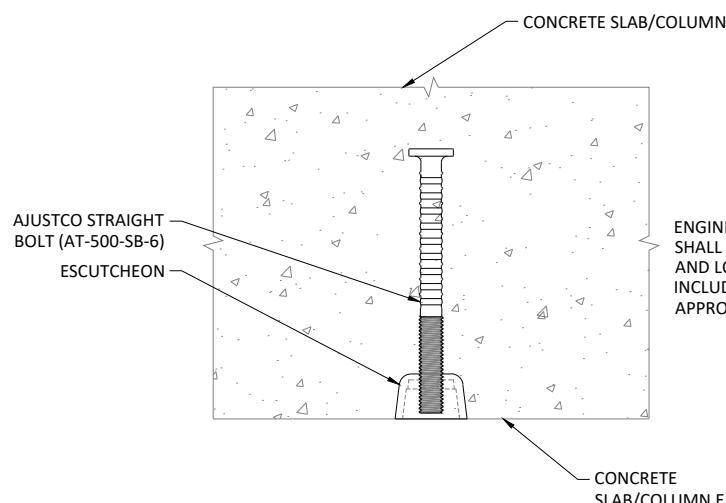
**ANCHOR CAPACITY (ULTIMATE LOAD)**

- TENSILE = 6,000 LBS
- SHEAR = 9,000 LBS

**NOTES:**

- ANCHOR CAPACITIES BASED ON 4,000 PSI NORMAL WEIGHT CONCRETE AND 6" MINIMUM EDGE DISTANCE.
- ENGINEERS USING THIS PRODUCT SHALL COMPLY WITH OSHA, ASCE, AND LOCAL SAFETY STANDARDS, INCLUDING APPLICATION OF APPROPRIATE SAFETY FACTORS.

**MATERIAL DIMENSIONS**



**TYPICAL INSTALLATION**

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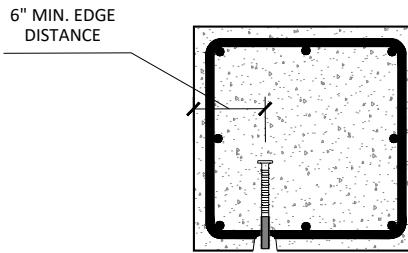
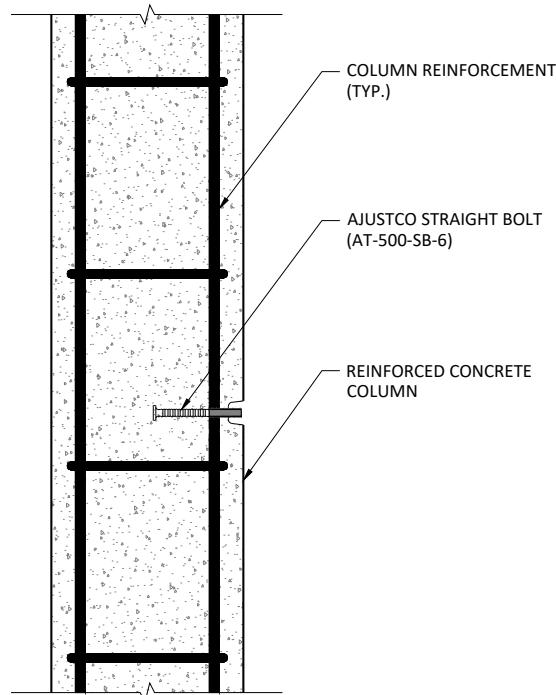
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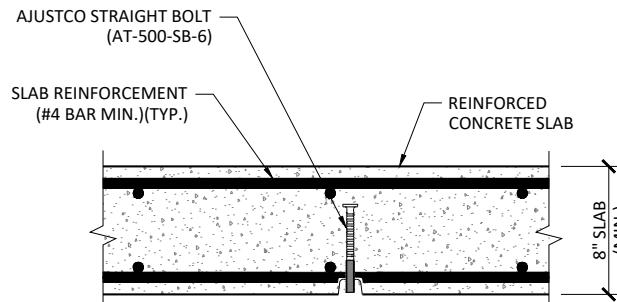


PROJECT NO.: 23-377  
 DRAWING NO.: SK-01

ADDRESS:  
 DRAWING TITLE:  
**ANCHOR THREAD  
 AT-500-SB-6  
 STRAIGHT BOLT**

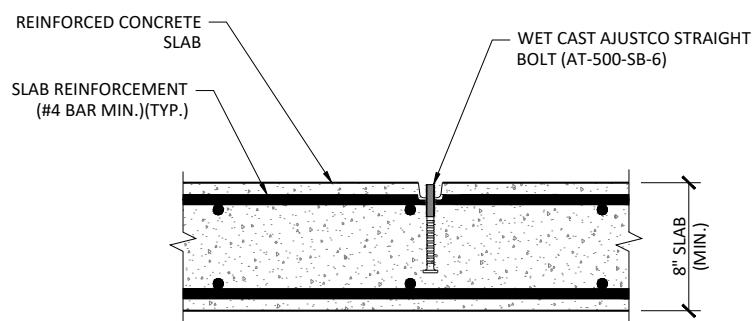


### RECTANGULAR COLUMN INSTALLATION



### UNDER SLAB INSTALLATION

### CONCRETE COLUMN INSTALLATION



### ABOVE SLAB INSTALLATION

#### INSTALLATION INSTRUCTIONS:

1. IDENTIFY AND MARK ANCHOR THREAD STRAIGHT BOLT LOCATION.
2. INSTALL AJUSTCO STRAIGHT BOLT.
3. INSTALL ANCHOR THREAD PRIOR TO INSTALLING CONCRETE FORMWORK.
4. ANCHOR THREAD SHALL BE CAPPED AND SIT FLUSH WITH FACE OF CONCRETE COLUMN/WALL.
5. STRAIGHT BOLT SHALL BE INSPECTED PRIOR TO PLACING CONCRETE.
6. ENSURE THE ANCHOR THREAD IS SECURED IN PLACE PRIOR TO PLACING CONCRETE.
7. CONCRETE SHALL ACHIEVE AT LEAST 4,000 PSI (MIN.) STRENGTH PRIOR TO USING THE ANCHOR THREAD.
8. ABANDON ANCHOR THREAD WHEN NO LONGER IN USE.

#### INSPECTION RECOMMENDATIONS:

1. STRAIGHT BOLT EXPOSED THREADED ROD SHALL BE INSPECTED BEFORE EACH USE FOR ANY DAMAGE.
2. DO NOT USE IF THERE ARE SIGNS OF DAMAGE AND/OR TAMPERING.
3. INSPECT ANCHORS FOR DAMAGE AT LEAST ONCE A WEEK AND AFTER ANY OCCURRENCE WHICH COULD AFFECT THE INTEGRITY OF THE SYSTEM.

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3 OF 7  
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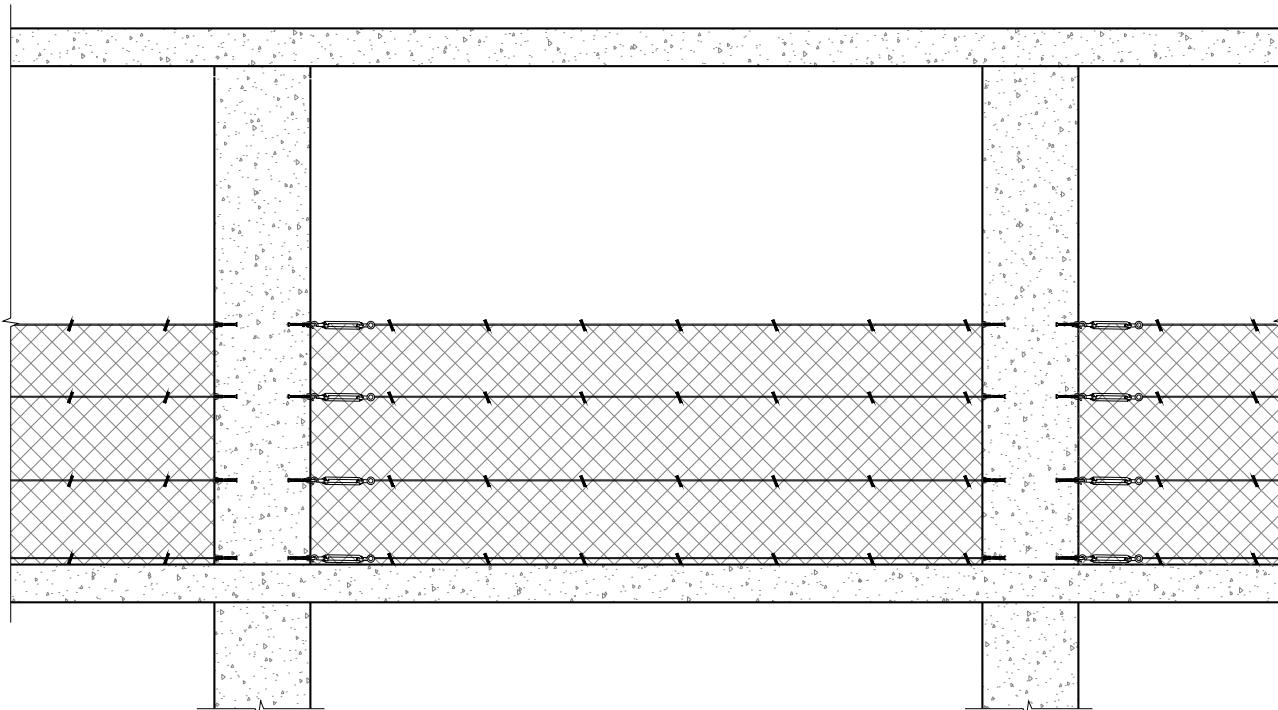
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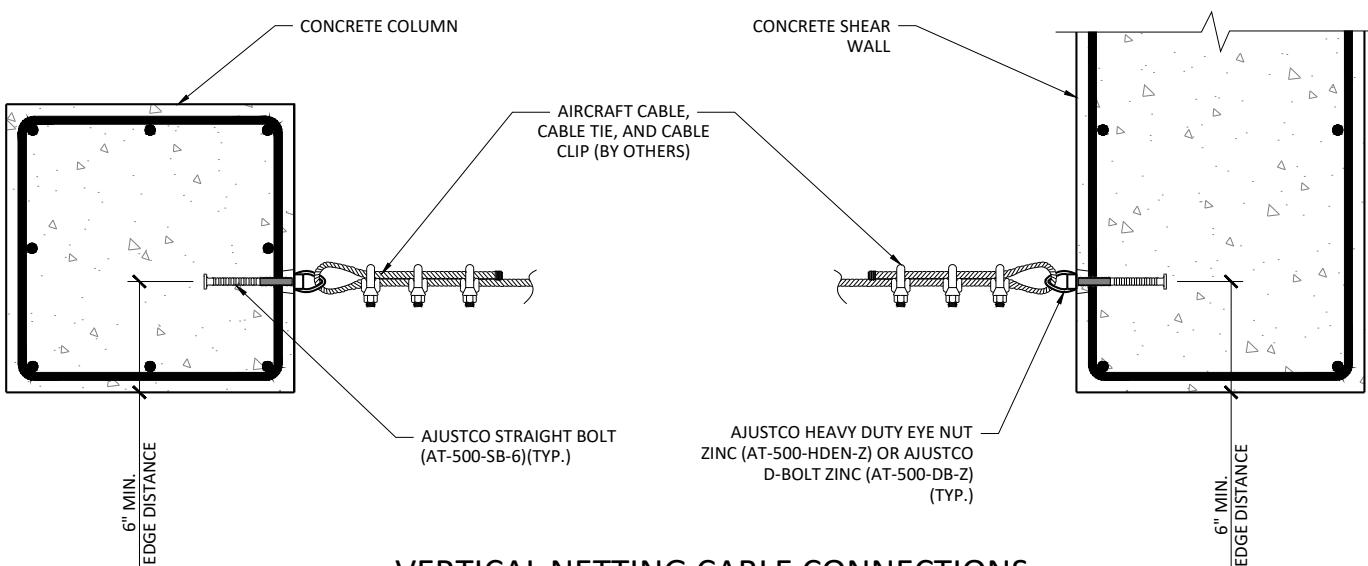
DRAWING NO.:

SK-02

DRAWING TITLE:  
ANCHOR THREAD  
AT-500-SB-6  
STRAIGHT BOLT



TYPICAL VERTICAL NETTING ELEVATION



VERTICAL NETTING CABLE CONNECTIONS

NOTES:

1. CONTRACTOR SHALL FOLLOW AJUSTCO INSTALLATION MANUAL WHEN INSTALLING THE STRAIGHT BOLT (AT-500-SB-6).
2. CONCRETE SHALL REACH 28-DAY STRENGTH PRIOR TO USE.
3. NETTING AND COMPONENTS BY OTHERS.
4. CONNECTION TO BOTH COLUMNS AND SHEAR WALLS ARE ACCEPTABLE.
5. BUILDING ENGINEER SHALL VERIFY BUILDING STRUCTURE CAN SUPPORT LOADS IMPOSED BY AJUSTCO ANCHOR.

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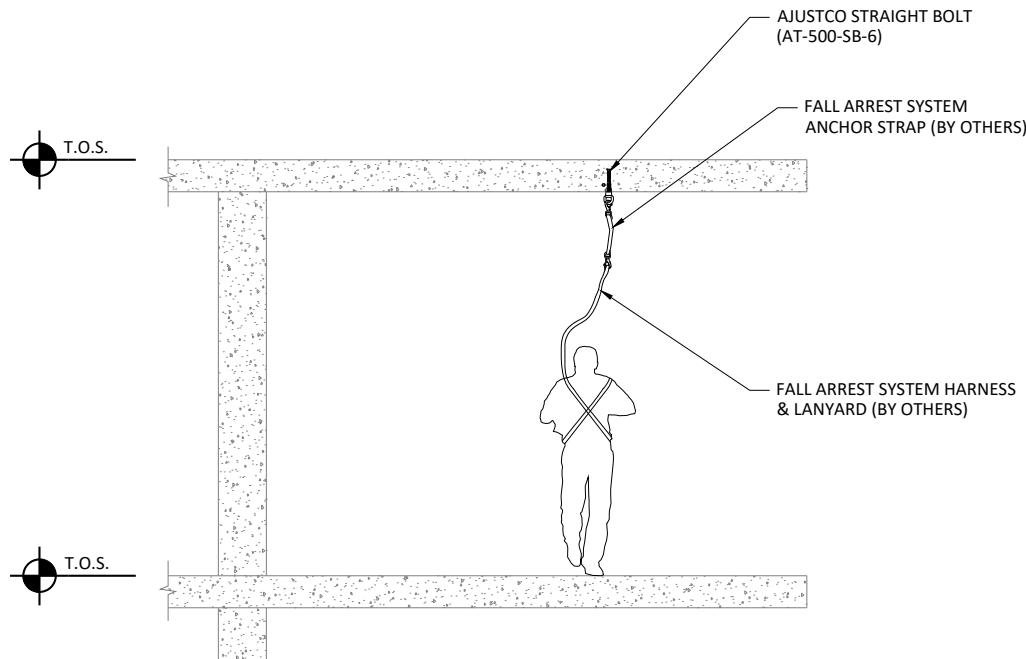
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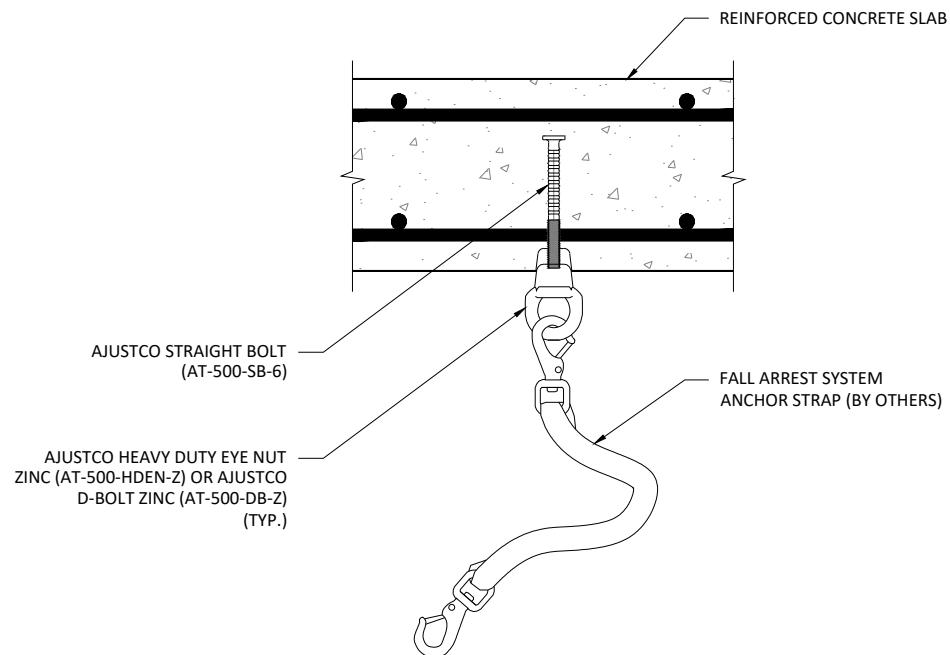
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**SK-03**

DRAWING TITLE:  
**ANCHOR THREAD  
AT-500-SB -6  
STRAIGHT BOLT**



**TYPICAL FALL ARREST SYSTEM ANCHOR ELEVATION**



**FALL ARREST SYSTEM ANCHOR STRAP CONNECTION**

NOTES:

1. CONTRACTOR SHALL FOLLOW AJUSTCO INSTALLATION MANUAL WHEN INSTALLING ANCHOR THREAD.
2. BUILDING ENGINEER SHALL VERIFY BUILDING STRUCTURE CAN SUPPORT LOADS IMPOSED BY AJUSTCO ANCHOR.



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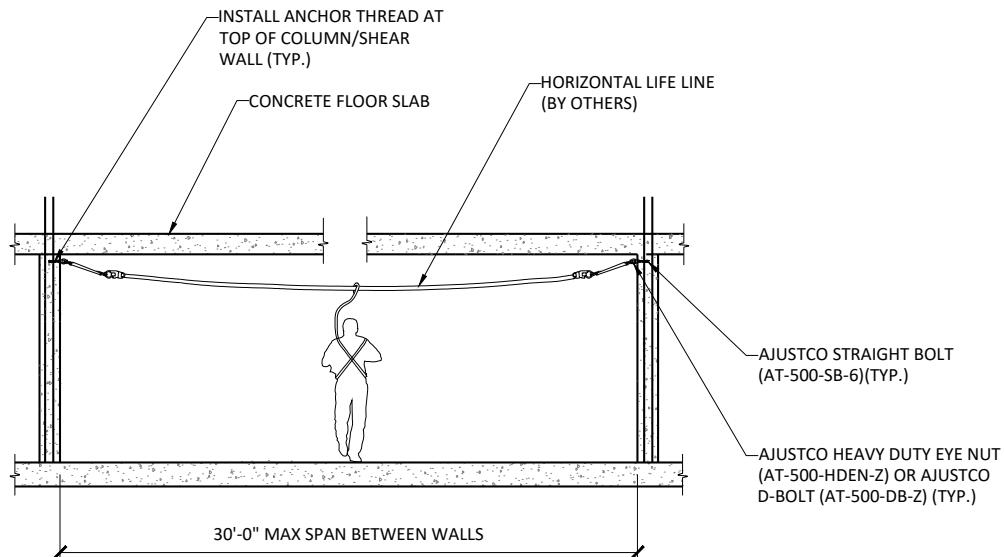
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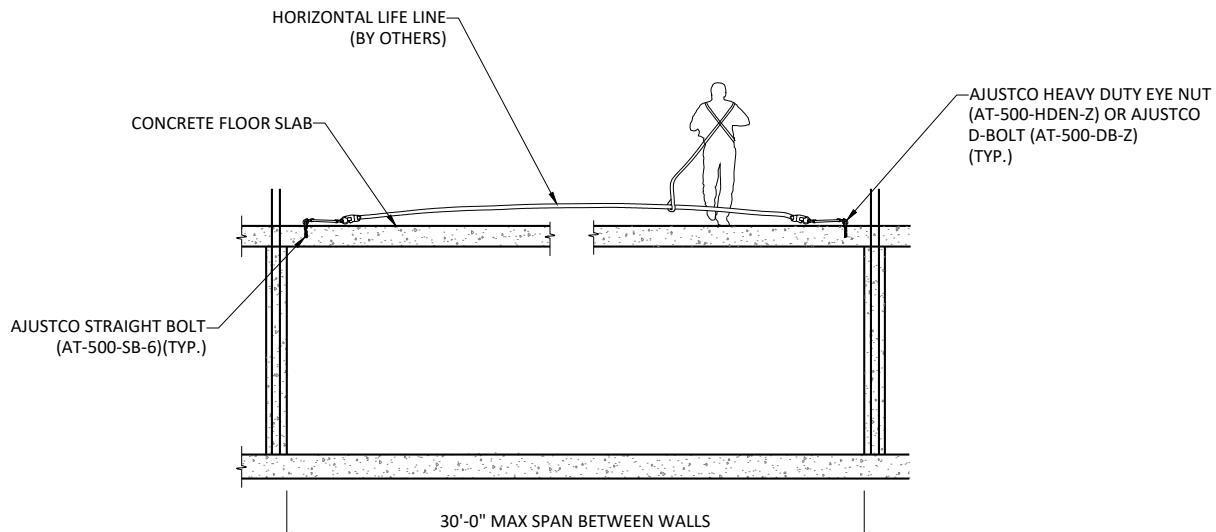
DRAWING TITLE:  
**ANCHOR THREAD**  
**AT-500-SB-6**  
**STRAIGHT BOLT**



### ANCHOR THREAD LIFELINE DETAIL I

## NOTES:

1. CONTRACTOR SHALL FOLLOW AJUSTCO INSTALLATION MANUAL WHEN INSTALLING AT-500-SB-6 STRAIGHT BOLT.
2. VERIFY ANCHOR THREAD AND AJUSTCO HEAVY DUTY EYE NUT AT EACH END OF THE HORIZONTAL LIFELINE ARE INSTALLED AS REQUIRED.
3. WALL CONCRETE MUST HAVE ATTAINED A COMPRESSIVE STRENGTH OF 3000 PSI MINIMUM BEFORE ANCHOR THREAD IS USED.
4. HORIZONTAL LIFE LINE AND RELATED ATTACHMENTS/EQUIPMENT (BY OTHERS).
5. BUILDING ENGINEER SHALL VERIFY BUILDING STRUCTURE CAN SUPPORT LOADS IMPOSED BY AJUSTCO ANCHOR.



### ANCHOR THREAD LIFELINE DETAIL II

## NOTE:

1. SEE DETAIL ABOVE FOR NOTES.

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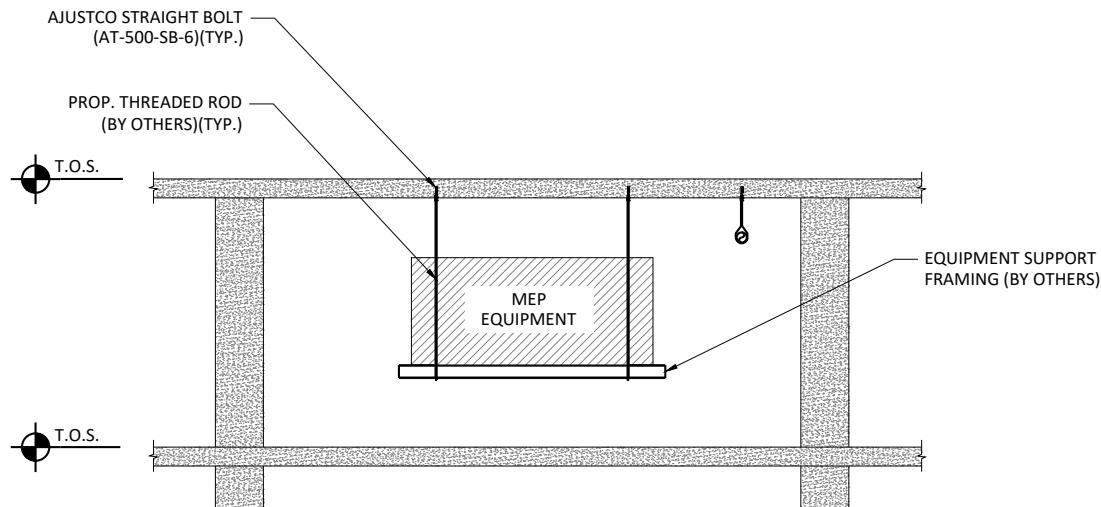
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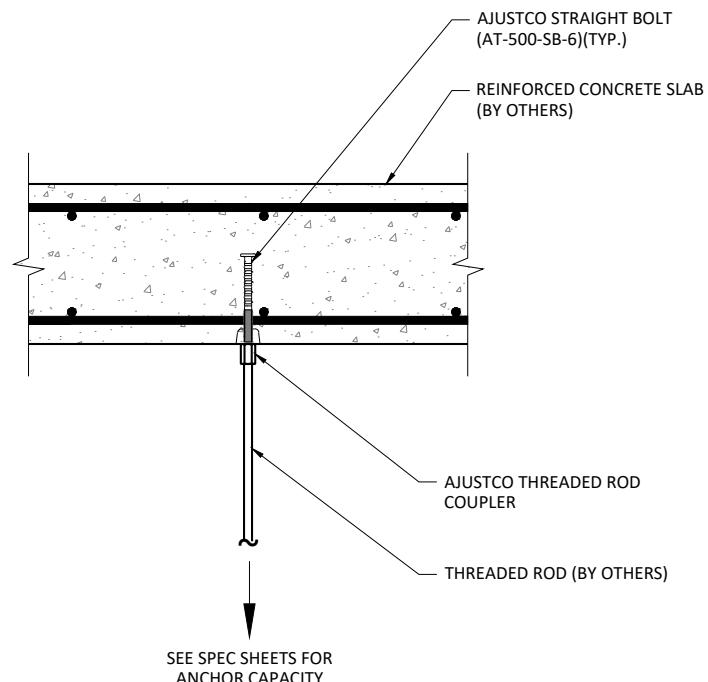
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SK-05

DRAWING TITLE:  
ANCHOR THREAD  
AT-500-SB -6  
STRAIGHT BOLT



**TYPICAL SUSPENDED EQUIPMENT SUPPORT ELEVATION**



## **ANCHOR THREAD CONNECTION DETAIL**

NOTES:

1. CONTRACTOR SHALL FOLLOW AJUSTCO INSTALLATION MANUAL WHEN INSTALLING THE AT-500-SB-6 STRAIGHT BOLT.
2. CONCRETE SHALL REACH 28-DAY STRENGTH PRIOR TO USE.
3. BUILDING ENGINEER SHALL VERIFY BUILDING STRUCTURE CAN SUPPORT LOADS IMPOSED BY AJUSTCO ANCHOR.

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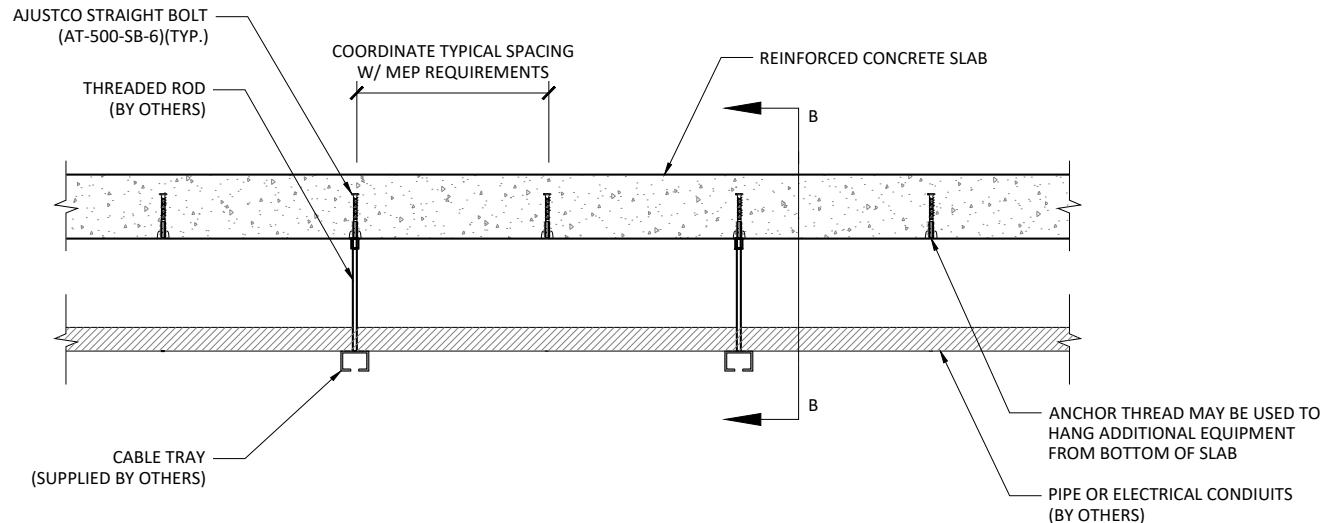
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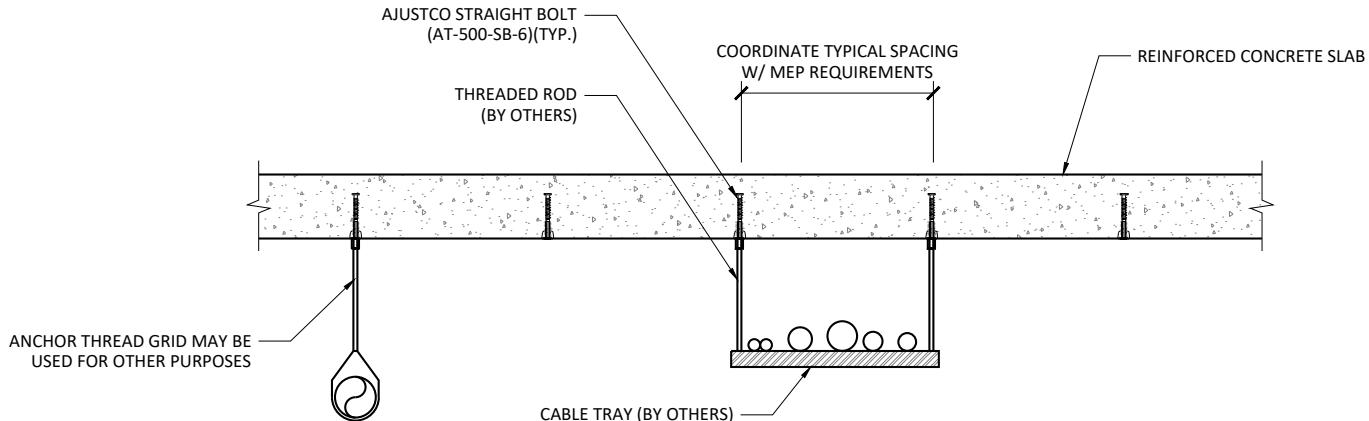
ADDRESS:

DRAWING NO.:  
**SK-06**

DRAWING TITLE:  
**ANCHOR THREAD  
AT-500-SB -6  
STRAIGHT BOLT**



**TYP. ANCHOR THREAD GRID LAYOUT SECTION I**



**TYP. ANCHOR THREAD GRID LAYOUT SECTION II**

NOTE:

1. BUILDING ENGINEER SHALL VERIFY BUILDING STRUCTURE CAN SUPPORT LOADS IMPOSED BY AJUSTCO AT-500-SB-6 STRAIGHT BOLT.