



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR HCAI PREAPPROVAL OF  
MANUFACTURER'S CERTIFICATION (OPM)**

OFFICE USE ONLY

**APPLICATION #: OPM-0525**

**HCAI Preapproval of Manufacturer's Certification (OPM)**

Type:  New  Renewal/Update

**Manufacturer Information**

Manufacturer: LogiQuip, LLC

Manufacturer's Technical Representative: Kevin Langston

Mailing Address: 1456 S. 35th Street, Galesburg, MI 49053

Telephone: (800) 665-3760

Email: Kevin.Langston@logiquip.net

**Product Information**

Product Name: Dri-Stor Scope Cabinets

Product Type: Storage Cabinets for Scopes

Product Model Number: None

General Description: Various sized cabinets attached to floor and wall

**Applicant Information**

Applicant Company Name: LogiQuip, LLC

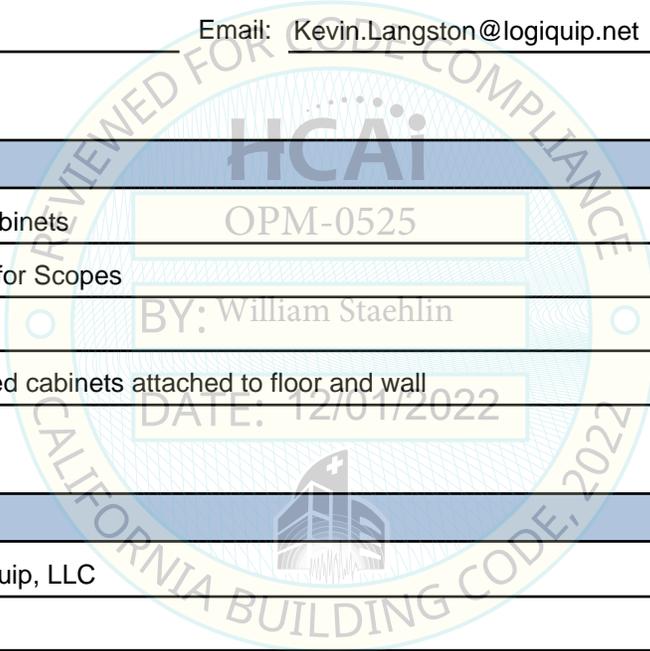
Contact Person: Kevin Langston

Mailing Address: 1456 S. 35th Street, Galesburg, MI 49053

Telephone: (800) 665-3760

Email: Kevin.Langston@logiquip.net

Title: Project Manager



"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

Registered Design Professional Preparing Engineering Recommendations

Company Name: CYS STRUCTURAL ENGINEERS, INC.
Name: Dieter Siebald California License Number: S4346
Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento, CA 95833
Telephone: (916) 920-2020 Email: dieters@cyseng.com

HCAI Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP OSP Number:

Certification Method

Testing in accordance with: ICC-ES AC156 FM 1950-16
Other(s) (Please Specify):

\*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2022 may be used when approved by HCAI prior to testing.

- Analysis
Experience Data
Combination of Testing, Analysis, and/or Experience Data (Please Specify):

HCAI Approval

Date: 12/1/2022
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable):

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



# DRI-STOR SCOPE CABINETS

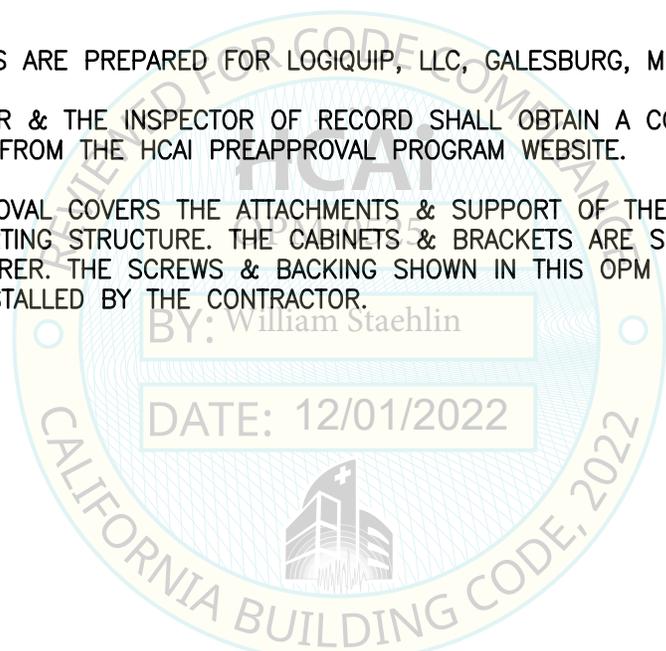


## DRI-STOR SCOPE CABINETS OPM-0525

|   | PAGE |
|---|------|
| GENERAL INFORMATION                         |      |
| TABLE OF CONTENTS .....                     | 1    |
| GENERAL NOTES .....                         | 2    |
| SYSTEM OVERVIEW & DESIGN CRITERIA .....     | 3    |
| ABBREVIATIONS .....                         | 4    |
| SCOPE CABINET ELEVATIONS .....              | 5    |
| SCOPE CABINET DIMENSIONS & PROPERTIES ..... | 6    |
| SCOPE CABINET CONNECTION DETAILS .....      | 8    |

**NOTES:**

1. THESE DRAWINGS ARE PREPARED FOR LOGIQUIP, LLC, GALESBURG, MICHIGAN.
2. THE CONTRACTOR & THE INSPECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE-APPROVAL FROM THE HCAI PREAPPROVAL PROGRAM WEBSITE.
3. THIS PRE-APPROVAL COVERS THE ATTACHMENTS & SUPPORT OF THE CABINETS TO THE SUPPORTING STRUCTURE. THE CABINETS & BRACKETS ARE SUPPLIED BY THE MANUFACTURER. THE SCREWS & BACKING SHOWN IN THIS OPM SHALL BE SUPPLIED & INSTALLED BY THE CONTRACTOR.



SHEET TITLE: TABLE OF CONTENTS



**CYS STRUCTURAL ENGINEERS, INC.**

2495 NATOMAS PARK DRIVE, SUITE 650  
SACRAMENTO, CA 95833

TEL (916) 920-2020  
www.cyseng.com

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| Job No: | 22084      |
| Date:   | 11/10/2022 |
| Page:   | 1 of 9     |

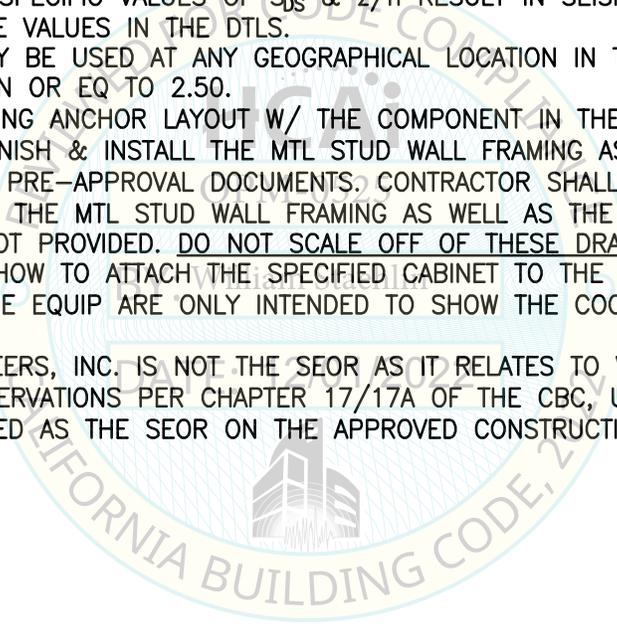
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# DRI-STOR SCOPE CABINETS



## GENERAL NOTES:

1. THIS HCAI PRE-APPROVAL OF MFR'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE 2022 CBC.
2. THIS OPM PROVIDES SUPPORTS & ATTACHMENT DESIGN & INFORMATION FOR INCORPORATION INTO A CONSTRUCTION DOCUMENT SUBMITTAL TO BE PREPARED BY A REGISTERED DESIGN PROFESSIONAL APPROPRIATELY LICENSED TO DO SO IN THE STATE OF CALIFORNIA & WHOM SHALL FURNISH THE SUBMITTAL TO THE CODE-ENFORCEMENT OFFICIAL FOR APPROVAL & PERMITTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. IT IS THE RESPONSIBILITY OF THE SEOR FOR A SITE SPECIFIC PROJECT TO VERIFY:
  - A. THE ADEQUACY OF THE NEW OR EXISTING STRUCTURE TO RESIST THE FORCES & WT SPECIFIED FOR THE COMPONENT IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQ.
  - B. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE 2022 CBC & W/ THE DTLS SHOWN IN THIS PRE-APPROVAL.
  - C. THAT THE SCOPE CABINET WT, CG LOCATION & ATTACHMENT HT TO THE MTL STUD WALL FRAMING AGREE W/ THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.
  - D. THAT THE PROJECT SPECIFIC VALUES OF  $S_{DS}$  &  $z/h$  RESULT IN SEISMIC FORCES ( $E_h$ ,  $E_v$ ) THAT DO NOT EXCEED THE VALUES IN THE DTLS.
4. THIS PRE-APPROVAL MAY BE USED AT ANY GEOGRAPHICAL LOCATION IN THE STATE OF CALIFORNIA. WHERE  $S_{DS}$  IS LESS THAN OR EQ TO 2.50.
5. COORDINATE THE MOUNTING ANCHOR LAYOUT W/ THE COMPONENT IN THE FIELD.
6. CONTRACTOR SHALL FURNISH & INSTALL THE MTL STUD WALL FRAMING AS SPECIFIED BY THE SEOR IN ACCORDANCE W/ THESE PRE-APPROVAL DOCUMENTS. CONTRACTOR SHALL ALSO INSTALL THE CABINET'S MOUNTING HARDWARE TO THE MTL STUD WALL FRAMING AS WELL AS THE CABINET ITSELF.
7. DRAWING SCALES ARE NOT PROVIDED. DO NOT SCALE OFF OF THESE DRAWINGS. THE INTENT OF THESE DRAWINGS IS TO SHOW HOW TO ATTACH THE SPECIFIED CABINET TO THE WALL STRUCTURE. THE REPRESENTATIONS OF THE EQUIP ARE ONLY INTENDED TO SHOW THE COORDINATION W/ THE ATTACHMENTS.
8. CYS STRUCTURAL ENGINEERS, INC. IS NOT THE SEOR AS IT RELATES TO VERIFICATION OF SITE CONDITIONS & REQ OBSERVATIONS PER CHAPTER 17/17A OF THE CBC, UNLESS CYS STRUCTURAL ENGINEERS, INC. IS LISTED AS THE SEOR ON THE APPROVED CONSTRUCTION DOCUMENTS.



SHEET TITLE: GENERAL NOTES



**CYS STRUCTURAL ENGINEERS, INC.**

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| Date:   | 11/10/2022 |
| Page:   | 2 of 9     |

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# DRI-STOR SCOPE CABINETS



## SYSTEM OVERVIEW & DESIGN CRITERIA

1. THE INSTALLATION OF THE SCOPE CABINETS ARE COVERED BY THIS OPM. THE SUPPORT BRACKET IS CONNECTED TO THE (E) STRUCTURE.
2. SUPPORT & ATTACHMENT DESIGN IS PER 2022 CBC AT LRFD LEVEL FORCES.

### CABINETS

PERMANENT FLR SUPPORTED STORAGE CABINETS OVER 6'-0" TALL, INCLUDING CONTENTS PER TABLE 13.5-1 OF ASCE 7-16 W/ SUPPLEMENT #1

$$z/h \leq 1.0$$

$$S_{DS} = 2.5$$

$$I_p = 1.5$$

$$C_p = 1.0$$

$$R_p = 2.5$$

$W_p$  AS NOTED ON DRAWINGS

### SEISMIC LOADS (LRFD)

$$F_p = 1.800 W_p$$

$$F_v = 0.500 W_p$$

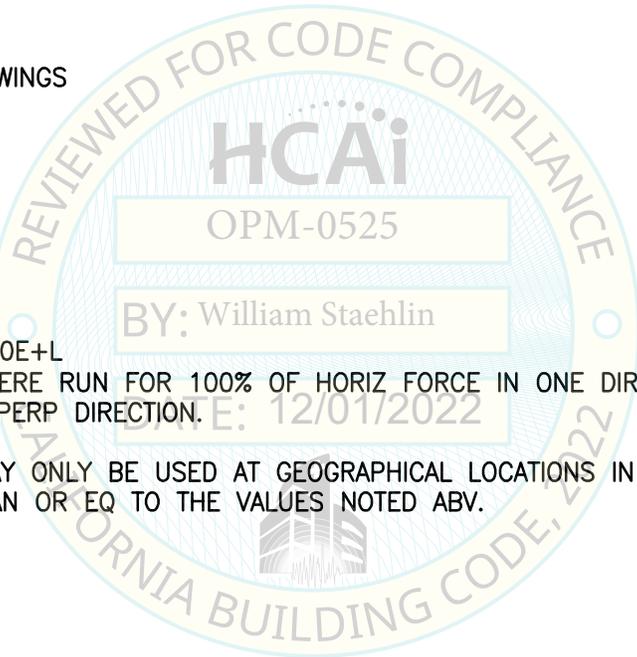
### LOAD COMBINATIONS

$$1.2D+1.6L$$

$$(1.2+0.2S_{DS})D+1.0E+L$$

LOAD COMBINATIONS WERE RUN FOR 100% OF HORIZ FORCE IN ONE DIRECTION & 30% OF THE HORIZ FORCE IN THE PERP DIRECTION.

3. THIS PRE-APPROVAL MAY ONLY BE USED AT GEOGRAPHICAL LOCATIONS IN THE STATE OF CALIFORNIA WHERE  $S_{DS}$  IS LESS THAN OR EQ TO THE VALUES NOTED ABV.



SHEET TITLE: SYSTEM OVERVIEW & DESIGN CRITERIA



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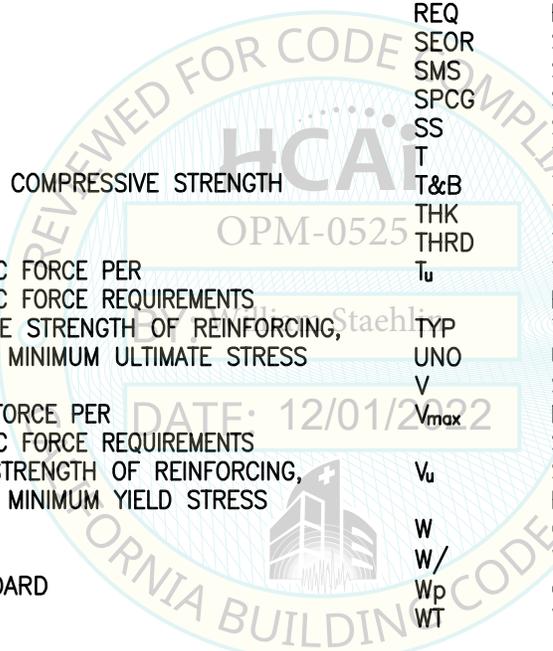
|         |            |
|---------|------------|
| Job No: | 22084      |
| Date:   | 11/10/2022 |
| Page:   | 3 of 9     |

# DRI-STOR SCOPE CABINETS



## ABBREVIATIONS:

|         |  |        |  |
|---------|--|--------|--|
| A       | VERTICAL DISTANCE BETWEEN BRACKETS   | MAX    | MAXIMUM  |
| ABV     | ABOVE  | MFR    | MANUFACTURER                                       |
| ASCE    | AMERICAN SOCIETY OF CIVIL ENGINEERS  | MIN    | MINIMUM  |
| ASD     | ALLOWABLE STRESS DESIGN  | MTL    | METAL  |
| ASTM    | AMERICAN SOCIETY FOR TESTING & MATERIALS   | NTS    | NOT TO SCALE                                       |
| BTW     | BETWEEN  | NWC    | NORMAL WEIGHT CONCRETE                             |
| CBC     | CALIFORNIA BUILDING CODE   | NO.(#) | NUMBER OR POUND(S)                                 |
| CG      | CENTER OF GRAVITY  | OP     | OPERATING  |
| ☐       | CENTERLINE   | OPM    | OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION |
| CONN    | CONNECTION   | PCF    | POUNDS PER CUBIC FOOT                              |
| D       | CABINET DEPTH  | PERP   | PERPENDICULAR                                      |
| DIA (∅) | DIAMETER   | PG     | PAGE   |
| DIM     | DIMENSION  | PL     | PLATE  |
| DTL     | DETAIL   | PT     | POINT  |
| (E)     | EXISTING CONDITION   | QTY    | QUANTITY   |
| EA      | EACH   | REQ    | REQUIRED   |
| ELEV    | ELEVATION  | SEOR   | STRUCTURAL ENGINEER OF RECORD                      |
| EQ      | EQUAL  | SMS    | SHEET METAL SCREW                                  |
| EQUIP   | EQUIPMENT  | SPCG   | SPACING  |
| ES      | EACH SIDE  | SS     | STAINLESS STEEL                                    |
| Ey      | CG ECCENTRICITY  | T      | TENSION  |
| f'c     | MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE  | T&B    | TOP & BOTTOM                                       |
| FLR     | FLOOR  | THK    | THICK OR THICKNESS                                 |
| Fp      | HORIZONTAL SEISMIC FORCE PER ASCE 7-16 SEISMIC FORCE REQUIREMENTS                                  | THRD   | THREAD OR THREADED                                 |
| Fu      | SPECIFIED ULTIMATE STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM ULTIMATE STRESS OF STEEL, KSI | Tu     | TENSION REACTION DUE TO SEISMIC FORCES AT LRFD     |
| Fv      | VERTICAL SEISMIC FORCE PER ASCE 7-16 SEISMIC FORCE REQUIREMENTS                                    | TYP    | TYPICAL  |
| Fy      | SPECIFIED YIELD STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM YIELD STRESS OF STEEL, KSI       | UNO    | UNLESS NOTED OTHERWISE                             |
| GA      | GAUGE  | V      | SheAR  |
| GWB     | GYPSUM WALL BOARD  | Vmax   | MAXIMUM SHEAR DUE TO SEISMIC FORCE                 |
| H       | CABINET HEIGHT   | Vu     | SHEAR REACTION DUE TO SEISMIC FORCES AT LRFD       |
| Hcg     | HEIGHT TO CG   | W      | CABINET WIDTH                                      |
| HCAI    | HEALTHCARE ACCESS & INFORMATION  | W/     | WITH   |
| HORIZ   | HORIZONTAL   | Wp     | COMPONENT OPERATING-WEIGHT                         |
| HT      | HEIGHT   | WT     | WEIGHT   |
| ICC     | INTERNATIONAL CODE COUNCIL   |        |  |
| IN (")  | INCH   |        |  |
| KSI     | KIPS PER SQUARE INCH   |        |  |
| LBS     | POUNDS   |        |  |
| LRFD    | LOAD & RESISTANCE FACTOR DESIGN  |        |  |

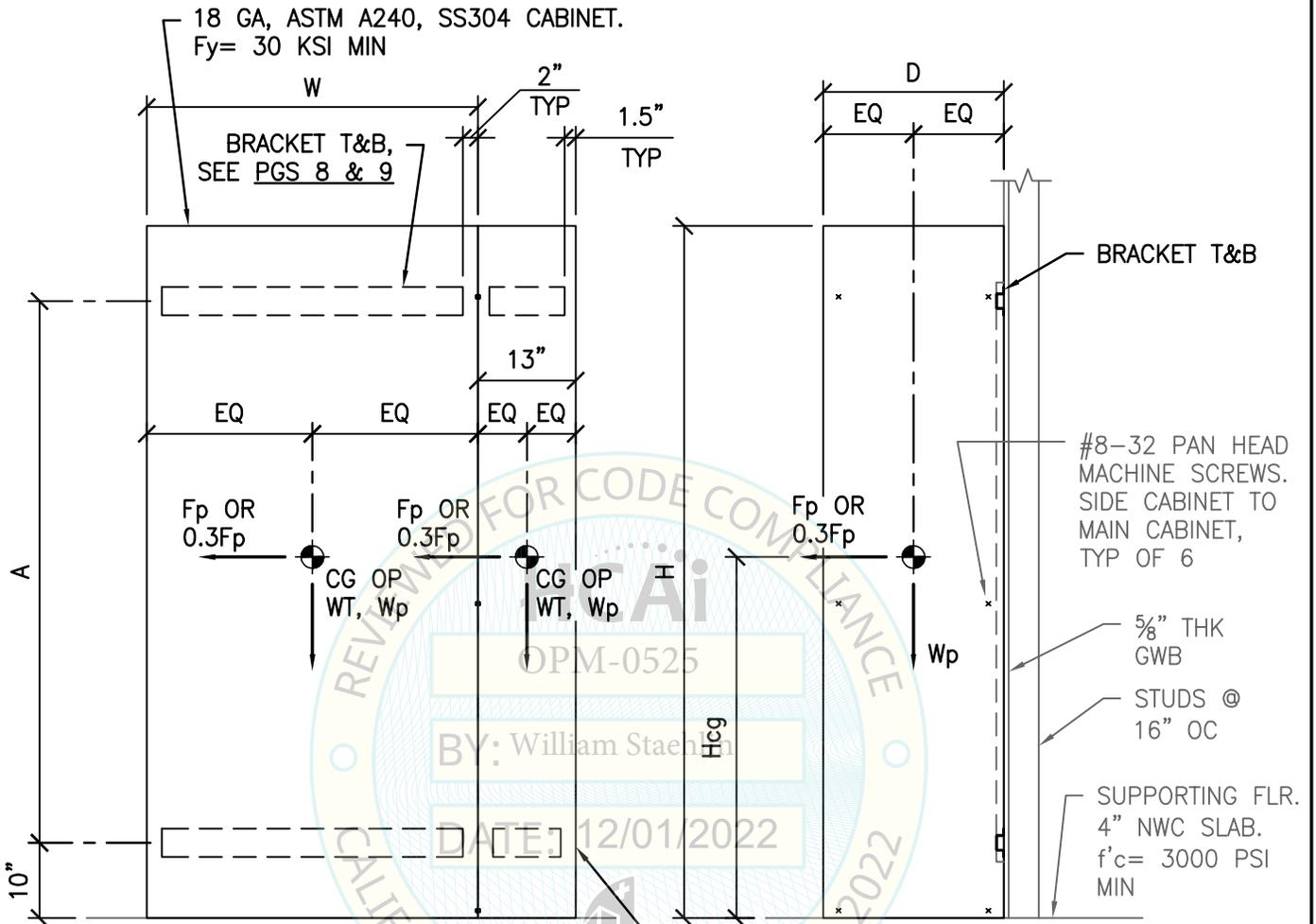


SHEET TITLE: ABBREVIATIONS

|  |                                       |         |            |
|--|---------------------------------------|---------|------------|
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|  | SACRAMENTO, CA 95833                  | Page:   | 4 of 9     |

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# DRI-STOR SCOPE CABINETS



18 GA ASTM A240 SS304 SIDE CABINET,  
WHERE OCCURS.  $F_y = 30$  KSI MIN. SEE PGS 6 & 7  
FOR SIDE CABINET DIMS & PROPERTIES

**FRONT ELEV**

**SIDE ELEV**



SHEET TITLE: SCOPE CABINET  
ELEVATIONS



**CYS STRUCTURAL ENGINEERS, INC.**

2495 NATOMAS PARK DRIVE, SUITE 650  
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|---------|------------|
| Job No: | 22084      |
| Date:   | 11/10/2022 |
| Page:   | 5 of 9     |

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# DRI-STOR SCOPE CABINETS



## SCOPE CABINET DIMENSIONS & PROPERTIES

| ID # | MODEL #          | D (IN) | W (IN) | H (IN) | A (IN) | Wp <sup>(1)</sup> (LBS) | Fp (LBS) | Hcg (IN) | CABINET TO BRACKET   |      |                                    |                      | BRACKET TO BACKING   |      |                                    |                      |
|------|------------------|--------|--------|--------|--------|-------------------------|----------|----------|----------------------|------|------------------------------------|----------------------|----------------------|------|------------------------------------|----------------------|
|      |                  |        |        |        |        |                         |          |          | # SCREWS PER BRACKET |      | 100% X-DIR. FORCES GOVERN (@ LRFD) |                      | # SCREWS PER BRACKET |      | 100% X-DIR. FORCES GOVERN (@ LRFD) |                      |
|      |                  |        |        |        |        |                         |          |          | TOTAL                | SIDE | T <sub>u</sub> (LBS)               | V <sub>u</sub> (LBS) | TOTAL                | SIDE | T <sub>u</sub> (LBS)               | V <sub>u</sub> (LBS) |
| 1    | 43290SCLG-6      | 24     | 24     | 92     | 62     | 256                     | 461      | 52       | 4                    | 2    | 140                                | 78                   | 8                    | 4    | 70                                 | 39                   |
| 2    | 43290SCRG-6      | 24     | 24     | 92     | 62     | 256                     | 461      | 52       | 4                    | 2    | 140                                | 78                   | 8                    | 4    | 70                                 | 39                   |
| 3    | 43490SCHG-10     | 24     | 30     | 92     | 62     | 466                     | 839      | 52       | 6                    | 2    | 183                                | 95                   | 10                   | 4    | 95                                 | 57                   |
| 4    | 43590SCHG-16     | 24     | 36     | 92     | 62     | 359                     | 646      | 52       | 6                    | 2    | 141                                | 73                   | 10                   | 4    | 73                                 | 44                   |
| 5    | 43690SCHG-20     | 24     | 44     | 92     | 62     | 408                     | 734      | 52       | 8                    | 2    | 102                                | 62                   | 12                   | 4    | 54                                 | 41                   |
| 6    | 43590SCLG-6PSD*  | 24     | 24     | 92     | 70     | 266                     | 479      | 52       | 4                    | 2    | 129                                | 72                   | 8                    | 4    | 65                                 | 36                   |
| 7    | 43590SCRG-6PSD*  | 24     | 24     | 92     | 70     | 266                     | 479      | 52       | 4                    | 2    | 129                                | 72                   | 8                    | 4    | 65                                 | 36                   |
| 8    | 43690SCHG-10PSD* | 24     | 30     | 92     | 70     | 337                     | 607      | 52       | 6                    | 2    | 117                                | 61                   | 10                   | 4    | 61                                 | 36                   |
| 9    | 43790SCHG16PSD*  | 24     | 36     | 92     | 70     | 384                     | 691      | 52       | 6                    | 2    | 110                                | 69                   | 8                    | 4    | 60                                 | 52                   |
| 10   | 43890SCHG-20PSD* | 24     | 44     | 92     | 70     | 443                     | 797      | 52       | 8                    | 2    | 98                                 | 60                   | 8                    | 4    | 58                                 | 60                   |
| 11   | 43590SCLG-6PSD*  | 24     | 24     | 92     | 70     | 268                     | 482      | 52       | 4                    | 2    | 130                                | 72                   | 8                    | 4    | 65                                 | 36                   |
| 12   | 43590SCRG-6PSD*  | 24     | 24     | 92     | 70     | 268                     | 482      | 52       | 4                    | 2    | 130                                | 72                   | 8                    | 4    | 65                                 | 36                   |
| 13   | 43690SCHG-10PSD* | 24     | 30     | 92     | 70     | 361                     | 650      | 52       | 6                    | 2    | 126                                | 65                   | 10                   | 4    | 65                                 | 39                   |
| 14   | 43790SCHG-16PSD* | 24     | 36     | 92     | 70     | 409                     | 736      | 52       | 6                    | 2    | 117                                | 74                   | 8                    | 4    | 64                                 | 55                   |
| 15   | 43890SCHG-20PSD* | 24     | 44     | 92     | 70     | 472                     | 850      | 52       | 8                    | 2    | 104                                | 64                   | 8                    | 4    | 62                                 | 64                   |
| 16   | 43490SCHG-10PT   | 24     | 30     | 92     | 62     | 471                     | 848      | 52       | 6                    | 2    | 185                                | 96                   | 10                   | 4    | 96                                 | 57                   |
| 17   | 43590SCHG-16PT   | 24     | 36     | 92     | 62     | 534                     | 961      | 52       | 6                    | 2    | 172                                | 109                  | 10                   | 4    | 89                                 | 65                   |
| 18   | 43690SCHG-20PT   | 24     | 44     | 92     | 62     | 620                     | 1116     | 52       | 8                    | 2    | 154                                | 95                   | 12                   | 4    | 82                                 | 63                   |
| 19   | 43490SCHG-10PTD  | 24     | 30     | 92     | 62     | 486                     | 875      | 52       | 6                    | 2    | 191                                | 99                   | 10                   | 4    | 99                                 | 59                   |
| 20   | 43590SCHG-16PTD  | 24     | 36     | 92     | 62     | 548                     | 986      | 52       | 6                    | 2    | 177                                | 111                  | 10                   | 4    | 92                                 | 67                   |
| 21   | 43690SCHG-20PTD  | 24     | 44     | 92     | 62     | 634                     | 1141     | 52       | 8                    | 2    | 158                                | 97                   | 12                   | 4    | 84                                 | 64                   |
| 22   | 42380SCLG-6PT    | 18     | 27     | 87     | 57     | 463                     | 833      | 50       | 6                    | 2    | 166                                | 96                   | 10                   | 4    | 86                                 | 58                   |
| 23   | 42380SCRG-6PT    | 18     | 27     | 87     | 57     | 463                     | 833      | 50       | 6                    | 2    | 166                                | 96                   | 10                   | 4    | 86                                 | 58                   |
| 24   | 42580SCHG-10PT   | 18     | 36     | 87     | 57     | 522                     | 940      | 50       | 6                    | 2    | 137                                | 109                  | 10                   | 4    | 72                                 | 65                   |



SHEET TITLE: SCOPE CABINET  
DIMENSIONS & PROPERTIES

|   |         |            |
|---|---------|------------|
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|   | Date:   | 11/10/2022 |
|   | Page:   | 6 of 9     |

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# DRI-STOR SCOPE CABINETS



## SCOPE CABINET DIMENSIONS & PROPERTIES (CONTINUED)

| ID # | MODEL #         | D (IN) | W (IN) | H (IN) | A (IN) | Wp <sup>(1)</sup> (LBS) | Fp (LBS) | Hcg (IN) | CABINET TO BRACKET   |      |                                    |                      | BRACKET TO BACKING   |      |                                    |                      |
|------|-----------------|--------|--------|--------|--------|-------------------------|----------|----------|----------------------|------|------------------------------------|----------------------|----------------------|------|------------------------------------|----------------------|
|      |                 |        |        |        |        |                         |          |          | # SCREWS PER BRACKET |      | 100% X-DIR. FORCES GOVERN (@ LRFD) |                      | # SCREWS PER BRACKET |      | 100% X-DIR. FORCES GOVERN (@ LRFD) |                      |
|      |                 |        |        |        |        |                         |          |          | TOTAL                | SIDE | T <sub>u</sub> (LBS)               | V <sub>u</sub> (LBS) | TOTAL                | SIDE | T <sub>u</sub> (LBS)               | V <sub>u</sub> (LBS) |
| 25   | 42380SCLG-6PTD  | 18     | 27     | 87     | 57     | 487                     | 877      | 50       | 6                    | 2    | 174                                | 101                  | 10                   | 4    | 90                                 | 61                   |
| 26   | 42380SCRG-6PTD  | 18     | 27     | 87     | 57     | 487                     | 877      | 50       | 6                    | 2    | 174                                | 101                  | 10                   | 4    | 90                                 | 61                   |
| 27   | 42580SCHG-10PTD | 18     | 36     | 87     | 57     | 546                     | 983      | 50       | 6                    | 2    | 144                                | 114                  | 10                   | 4    | 75                                 | 68                   |
| 28   | 42380SCLG-3T    | 18     | 27     | 87     | 57     | 463                     | 833      | 50       | 6                    | 2    | 166                                | 96                   | 10                   | 4    | 86                                 | 58                   |
| 29   | 42380SCRG-3T    | 18     | 27     | 87     | 57     | 463                     | 833      | 50       | 6                    | 2    | 166                                | 96                   | 10                   | 4    | 86                                 | 58                   |
| 30   | 42580SCHG-5T    | 18     | 36     | 87     | 57     | 522                     | 940      | 50       | 6                    | 2    | 137                                | 109                  | 10                   | 4    | 72                                 | 65                   |
| 31   | 42280SCLG-5     | 18     | 24     | 87     | 57     | 479                     | 862      | 50       | 4                    | 2    | 213                                | 149                  | 8                    | 4    | 106                                | 75                   |
| 32   | 42590SCHG-16PTD | 20     | 36     | 95     | 65     | 465                     | 837      | 53       | 6                    | 2    | 127                                | 92                   | 10                   | 4    | 66                                 | 55                   |
| 33   | 42690SCHG-20PTD | 20     | 44     | 95     | 65     | 519                     | 934      | 51       | 8                    | 2    | 104                                | 74                   | 12                   | 4    | 56                                 | 49                   |
| 34   | 42490SCHG-10PTD | 20     | 30     | 95     | 65     | 408                     | 734      | 52       | 6                    | 2    | 132                                | 79                   | 10                   | 4    | 68                                 | 47                   |
| 35   | 42490SCHG-10PT  | 20     | 30     | 95     | 65     | 404                     | 727      | 53       | 6                    | 2    | 133                                | 80                   | 10                   | 4    | 69                                 | 48                   |
| 36   | 42590SCHG-16PT  | 20     | 36     | 95     | 65     | 460                     | 828      | 51       | 6                    | 2    | 119                                | 87                   | 10                   | 4    | 62                                 | 52                   |
| 37   | 42690SCHG-20PT  | 20     | 44     | 95     | 65     | 513                     | 923      | 52       | 8                    | 2    | 105                                | 75                   | 12                   | 4    | 56                                 | 50                   |
| 38   | Side Cabinet    | 24     | 13     | 92     | 70     | 212                     | 382      | 0        | 4                    | 2    | 213                                | 57                   | 8                    | 4    | 107                                | 29                   |

**NOTES:**

1. COMPONENT OP WT, Wp, INCLUDES 20 PSF LIVE LOAD FOR OTHER MEDIA PER 2022 CBC, TABLE 1607.1, FOOTNOTE "d". TABULATED Wp DOES NOT INCLUDE 13" SIDE CABINET.
2. SCREWS SHALL BE INSTALLED W/ 1" MIN GRIP LENGTH TO STUD. PROVIDE 3/4" MIN EDGE DISTANCE TO BRACKET R & 3/4" MIN SPCG BTW SCREWS. INSTALL IN ACCORDANCE W/ THE APPROVED ICC ESR-2196 REPORT.
3. CABINETS MARKED W/ AN "\*" AT THE END OF THE MODEL # INCLUDE A 13" WIDE SIDE CABINET. SEE PG 5 FOR ELEV. THE TABULATED WIDTH "W", WEIGHT "Wp", LATERAL LOAD "Fp", SCREW QUANTITY, & SCREW LOADS DO NOT INCLUDE THE 13" SIDE CABINET.
4. FOR 13" SIDE CABINET, WEIGHT & SCREW FORCES SHOWN ARE A MAX. CELLS MARKED W/ "-" MATCH THE CABINET TO WHICH IT IS ATTACHED.
5. CAPACITY OF SMS SCREWS TO BRACKET IS BASED ON HILTI SELF-DRILLING & SELF-PIERCING #12-14 SCREWS PER ESR-2196. SCREWS SHALL BE IN ACCORDANCE W/ ESR-2196, ESR-1976 OR ESR-1271.

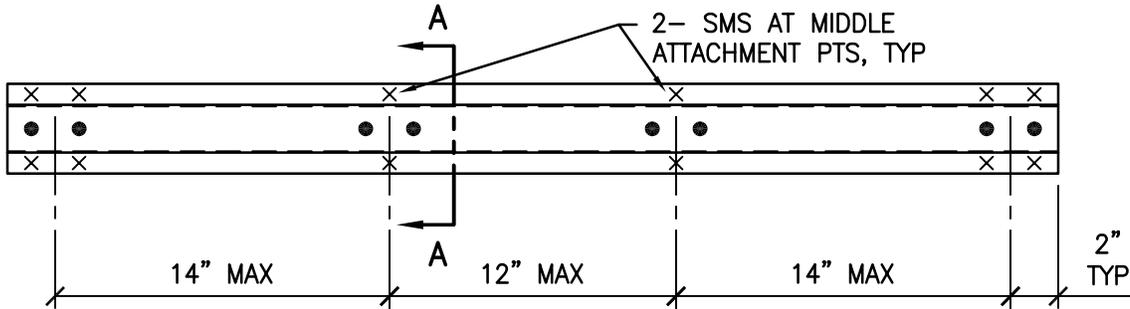


SHEET TITLE: SCOPE CABINET  
DIMENSIONS & PROPERTIES (CONTINUED)

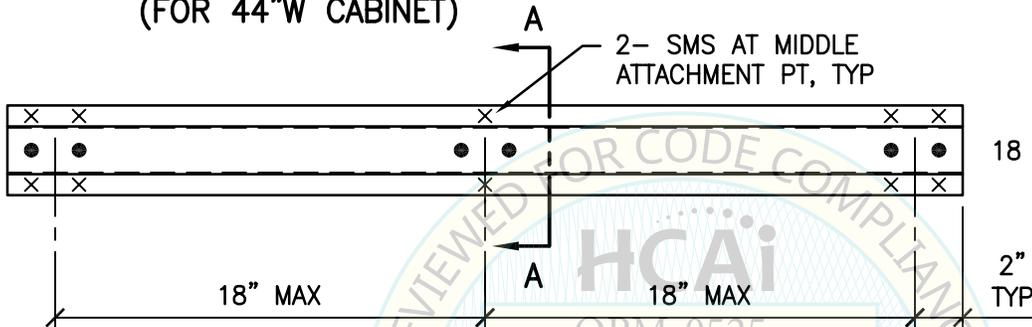
|  |  |                  |
|--|--|------------------|
|  | <b>CYS STRUCTURAL ENGINEERS, INC.</b>                      | Job No: 22084    |
|  | 2495 NATOMAS PARK DRIVE, SUITE 650<br>SACRAMENTO, CA 95833 | Date: 11/10/2022 |
|  | TEL (916) 920-2020<br>www.cyseng.com                       | Page: 7 of 9     |

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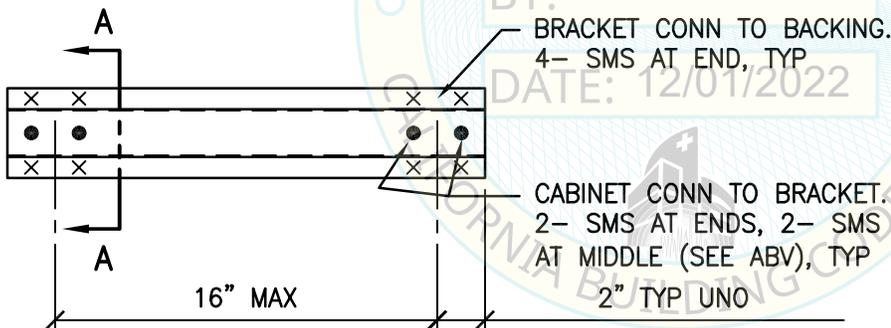
# DRI-STOR SCOPE CABINETS



**CONN PATTERN  
(FOR 44" W CABINET)**



**CONN PATTERN  
(FOR 27", 30" & 36" W CABINETS)**



**CONN PATTERN  
(13" & 24" W CABINETS)**

**LEGEND:**

- #12-14 SMS. CABINET TO BRACKET
- × #12-24 SMS. BRACKET TO BACKING

**NOTE:**

SEE TABLE, PGS 6 & 7 FOR SCREW QTY.

18 GA MIN BACKING  
Fy= 50 KSI MIN  
PER SEOR

BRACKET  
PER PG 9

#12 SMS

BACK OF  
CABINET

1- LAYER  
5/8" GWB

**SECTION A-A**



SHEET TITLE: SCOPE CABINET  
CONNECTION DETAILS

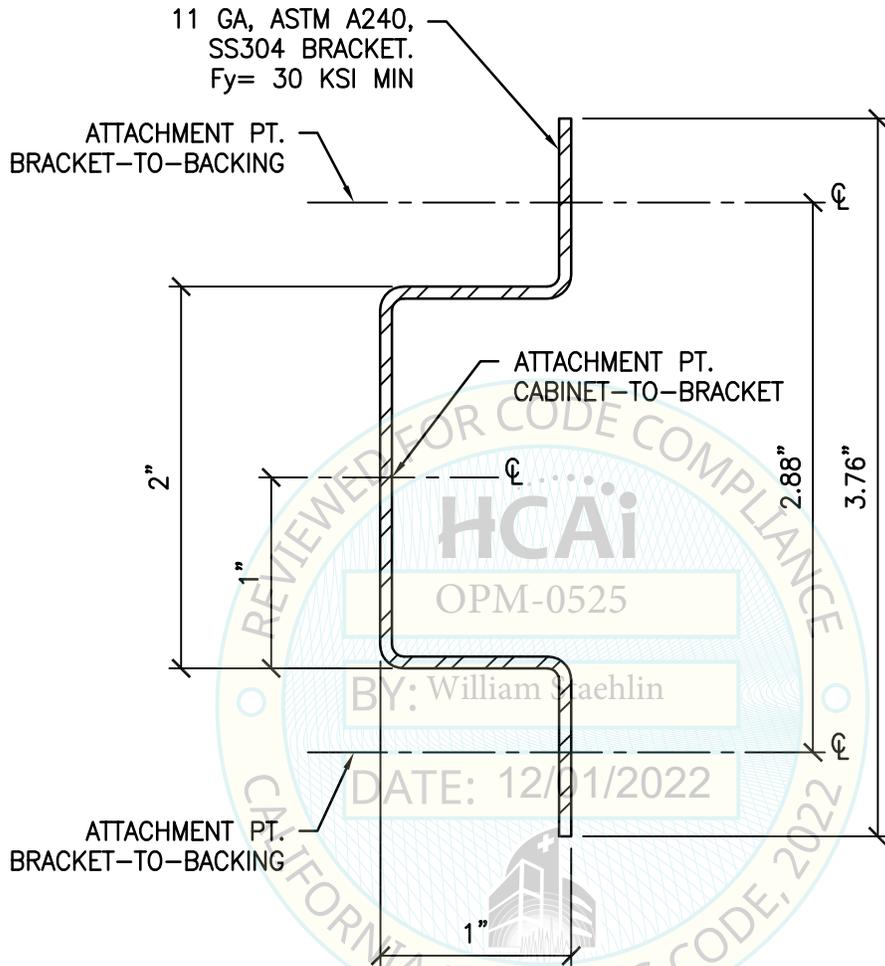
**CYS STRUCTURAL ENGINEERS, INC.**  
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# DRI-STOR SCOPE CABINETS



SHEET TITLE: BRACKET DETAIL



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