

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

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APPLICATION FOR OSHPD PREAPPROVAL	
OF MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0280-13
OSHPD Preapproval of Manufacturer's Certification (OPM)	
Type: ☐ New ☐ Renewal ☐ Update to Pre-CBC 2013 C	PA Number:
Manufacturer Information	
Manufacturer: Logiquip LLC	
Manufacturer's Technical Representative: Jim Taft	
Mailing Address: P.O. Box 278, Galesburg, MI 49053	
Telephone: (800) 665-0278 Email: Djim@lo	ogiquip.net
Product Information	ON
os Zpd	
Product Name: In Wall Sink Carrier	
Product Type: Laboratory Equipment OPM-0280-13	M'Z
Product Model Number: WCSS32, WCSS64, WCSS96 BY: Jeffrey Enzl	ET CI
General Description: Wall hung sink.	
Q DATE: 08/15/2016	<u></u>
E	20
Applicant Information	\$\disp\disp\disp\disp\disp\disp\disp\disp
Applicant Company Name: CYS STRUCTURAL ENGINEERS, INC.	COA
Contact Person: David M. Calia	
Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento,	, CA 95833
Telephone: 916-920-2020 Email: davide	@cyseng.com
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2013.	Planning and Development review fees in
Signature of Applicant: Wasied M. Calian	Date: 11/11/2015
Title: V.P. of Business Development & Marketing Company Name: CYS S	tructural Engineers, Inc.

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







OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

Registered Design Professional Preparing Engineering Recommendations
Company Name: CYS STRUCTURAL ENGINEERS, INC.
Name: David M. Calia California License Number: S5614
Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento, CA 95833
Telephone: 916-920-2020 Email: davidc@cyseng.com
OSHPD Special Seismic Certification Preapproval (OSP)
 □ Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) □ Special Seismic Certification is not preapproved
Certification Method(s)
☐ Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-10 ☐ Other* (Please Specify):
*Use of criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) 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 2013 may be used when approved by OSHPD prior to testing. Analysis Experience Data Combination of Testing, Analysis, and/or Experience Data (Please Specify):
List of Attachments Supporting the Manufacturer's Certification
 ☐ Test Report ☐ Drawings ☐ Calculations ☐ Manufacturer's Catalog ☐ Other(s) (Please Specify):
Signature:

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SCRUB SINK LOGIQUIP, LLC OPM-0280-13

SINGLE SCRUB SINK 7-DOUBLE SCRUB SINK 9-		PAGE
SCRUB SINK DIMENSIONS & PROPERTIES SCHEDULES 5— SINGLE SCRUB SINK 7— DOUBLE SCRUB SINK 9—	TABLE OF CONTENTS GENERAL NOTES DESIGN CRITERIA	. 1 . 2 . 3
	SCRUB SINK DIMENSIONS & PROPERTIES SCHEDULES SINGLE SCRUB SINK DOUBLE SCRUB SINK TRIPLE SCRUB SINK	7-8 9-10 11-12



OPM-0280-13

BY: Jeffrey Enzler

DATE: 08/15/2016

NOTES: THESE DRAWINGS ARE PREPARED FOR LOGIQUIP LLC, A MICHIGAN CORPORATION, GALESBURG, MICHIGAN.

 THE CONTRACTOR & THE INSPECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE—APPROVAL FROM THE OSHPD WEBSITE.

2. THIS PRE-APPROVAL COVERS THE ATTACHMENTS & SUPPORT OF THE SCRUB SINKS TO THE STRUCTURE.



SHEET TITLE: SHEET INDEX



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Chair

CYS STRUCTURAL ENGINEERS, INC.

2495 NATOMAS PARK DRIVE, SUITE 650 SACRAMENTO, CA 95833 TEL (916) 920-2020 www.cyseng.com

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GENERAL NOTES:

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& Chair

Medical

- THIS OSHPD PRE-APPROVAL OF MFR'S CERTIFICATION (OPM) IS BASED ON THE CBC 2013. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE CBC 2013.
- 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 EA COMPONENT IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQ.
 - B. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE 2013 CBC & W/ THE DTLS SHOWN IN THIS PRE-APPROVAL.
 - C. THAT THE SINK'S WT, CG LOCATION & ATTACHMENT HT TO THE MTL STUD WALL FRAMING AGREE W/ THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.
- 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.
- SINK COMPONENTS & MOUNTING HARDWARE AS NOTED SHALL BE PROVIDED BY MFR. CONTRACTOR SHALL FURNISH & INSTALL HARDWARE NOT SUPPLIED BY MFR. 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 SINK'S MOUNTING HARDWARE TO THE MTL STUD WALL FRAMING AS WELL AS THE SINK ITSELF.
- 7. DRAWING SCALES ARE NOT PROVIDED. <u>DO NOT SCALE OFF OF THESE DRAWINGS</u>. THE INTENT OF THESE DRAWINGS IS TO SHOW HOW TO ATTACH THE SPECIFIED SINK 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.

CODE,

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SHEET TITLE: GENERAL NOTES

CYS STRUCTURAL ENGINEERS, INC.

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DESIGN CRITERIA

SUPPORTS & ATTACHMENTS DESIGN FOR ALL EQUIP COMPONENTS IS PER 2013 CBC

ALL EQUIP (UNO) ASCE 7-10 TABLE 13.5-1 OTHER RIGID COMPONENTS - LOW DEFORMABILITY MATERIALS & ATTACHMENTS

 $z/h \leq 1.0$

 $S_{DS} = 2.5$

= 1.5

= 1.0

= 1.5

= 1.5

WP AS NOTED ON SCRUB SINK PROPERTIES SCHED SHOWN ON PG 5

SEISMIC LOADS

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ALL EQUIP, UNO

 $F_p = 3.0 W_p$

(LRFD)

 $F_v = 0.50 W_p$

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SHEET TITLE: DESIGN CRITERIA

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				neartifcale 3th age 3010 (1011)
LTScale:8	ABBREVI	<u>ATIONS:</u>	ОРМ	OSHPD PRE-APPROVAL OF
ıχ	ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	01 141	MANUFACTURER'S CERTIFICATION
빍	ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	OPP	OPPOSITE
	ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING
흥	BOTT	BOTTOM	บอกคบ	
SC	BTW	BETWEEN	DC	& DEVELOPMENT
틢	CBC	CALIFORNIA BUILDING CODE	PG	PAGE
اء	CG	CENTER OF GRAVITY	P_	PLATE
E I	CLR	CLEAR OR CLEARANCE	REQ	REQUIRED
힏	Ę.	CENTERLINE	SCHED	SCHEDULE
ē	CONN	CONNECTION	SDST	SELF-DRILLING SELF-TAPPING
힘	DIA (ø)		SEOR	STRUCTURAL ENGINEER OF RECORD
ä	` '	DIAMETER	SMS	SHEET METAL SCREW
ig	DIM	DIMENSION	SQ	SQUARE
긔	DTL	DETAIL	SS	STAINLESS STEEL
됩	EA	EACH	THK	THICK OR THICKNESS
8	ELEV	ELEVATION	Tu	ANCHORAGE TENSION REACTION
2	EQ	EQUAL		DUE TO SEISMIC FORCE
9	EQUIP	EQUIPMENT	TYP	TYPICAL
9	ES	EACH SIDE	UNO	UNLESS NOTED OTHERWISE
7,	FF	FINISHED FLOOR	D TVu	ANCHORAGE SHEAR REACTION
즮	F_p	HORIZONTAL SEISMIC FORCE PER	1	DUE TO SEISMIC FORCE
.:	Fu	ASCE 7-10 SEISMIC FORCE REQUIREMENTS SPECIFIED ULTIMATE STRENGTH OF REINFORCING,	Vmax	MAXIMUM SHEAR DUE TO
븶	Гu	PSI OR SPECIFIED MINIMUM ULTIMATE STRESS		SEISMIC FORCE
Б		OF STEEL, KSI	W/	WITH
ð	Fv	VERTICAL SEISMIC FORCE PER OPM-0280-1	Wp	COMPONENT OPERATING—WEIGHT
.흨	ΓV	ASCE 7–10 SEISMIC FORCE REQUIREMENTS	** 1	WEIGHT
ij.	F_y	SPECIFIED YIELD STRENGTH OF REINFORCING,		E E
System\ACAD\STRU\S1_Logiquip.dwg Time:Jul27,2016-01:40pm Login:mayerhoferm Dimscale:8	'у	PSI OR SPECIFIED MINIMUM YIELD STRESS ffre	7 Fngler	
-"		OF OTES! KOL		
2	GA	CALICE		
젬	GAL	0411011	5/2016	m / m
S	GWB	GYPSUM WALL BOARD	0/2010	70
8	HRS	HOT-ROLLED STEEL		~
욁	HT	HEIGHT		
٤	IN (")	INCH		G., °
ste	KSI	KIPS PER SQUARE INCH		
	LBS	DOLINDO	CO	
Rail	LRFD	LOAD & RESISTANCE FACTOR DESIGN BUILT	ING	
œ) 1 1	Constanting .
Chair	MAX MFR	MAXIMUM MANUFACTURER		PROFESS /On.
	MIN	MINIMUM		A Second
શ્ર	MTL	METAL		HEN ON THEN
Sink	NTS	NOT TO SCALE		
	NO.(#)	NUMBER OR POUND(S)		No. S5614
긔	NO.(#)	HOMBER OR FOUND(3)		
Ö				hlarid!!! Cella

SHEET TITLE: ABBREVIATIONS

CYS STRUCTURAL ENGINEERS,	INC.		Job No:	15085
2495 NATOMAS PARK DRIVE, SUITE 650	TEL	(916) 920-2020	Date:	07/27/2016
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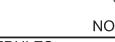


					SCRUI	3 SI	NK DI	MENSI	ONS S	SCHED)				
PART NO.	"A" (IN)	"B" (IN)	"C" (IN)	"D" (IN)	"E" (IN)	"F" (IN)	"G" (IN)	"H" (IN)	"J" (IN)	"K" (IN)	"L" (IN)	"M" (IN)	"N" (IN)	"P" (IN)	"Q" (IN)
CASS32	14.9	18.7	11.6	3.5	15.63	2.5	11.88	14.13	14.0	17.63	15.63	_	_	_	-
CASS64	32.0	22.0	12.2	3.5	15.63	2.5	27.88	30.13	29.88	2.88	1.0	31.5	33.5	-	-
CASS96	48.0	19.0	12.3	3.5	15.63	2.5	43.88	46.13	45.88	18.88	13.5	47.5	49.5	15.13	17.13

DIMS SHOWN IN SHADED CELLS INDICATE THE LOCATION OF THE SINK'S CG FILLED W/ WATER.

		SC	RUB SINK	PROPERT	IES SCHE	D		
PART NO.	UNIT WT (LBS)	MAX OPERATING WT (LBS)	WIDTH (IN)	HT (IN)	DEPTH (IN)	Tu MAX (#/BOLT)	Vu MAX (#/BOLT)	CAPACITY (GAL)
CASS32	235	413	32	37.125	27.5	260	271	21.02
CASS64	313	668	64 ^{PM-}	37.125 ³	27.5	2221	279	42.04
CASS96	436	1005	96	37.125	27.5	<u>-21</u> 2	290	67.5

DATE: 08/15/2016



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SHEET TITLE: SCRUB SINK DIMENSIONS & PROPERTIES SCHEDULES

CYS STRUCTURAL ENGINEERS, INC.

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MATERIAL	DIME	NSIONS	SCHED			
PART NO./ MATERIAL	WIDTH	LENGTH (IN)				
FART NO./ MATERIAL	(IN)	CASS32	CASS64	CASS96		
TOP CARRIER P	2	36.5	68.25	100.25		
BOTT CARRIER P	5	36.5	68.25	100.25		
"Z" BRACKET	1.92	29	28	28		

MATERIAL F	PROPERTI	ES SCHED	
PART NO./MATERIAL	ASTM #	GRADE OR TYPE	MIN Fy (KSI)
TOP CARRIER P	A1011	SS GRADE 50 TYPE 1	50
BOTT CARRIER P	A1011	SS GRADE 50 TYPE 1A	50
"Z" BRACKET	A240 _	eff SS304 Enz	ler30
MAIN SUPPORT BRACKET: 11 GA HRS (U CHANNEL)	A1011	SS GRADE 50 TYPE 1	50
MAIN SUPPORT BRACKET: 16 GA SQ TUBING	A513	GRADE 1020 TYPE 1A	50
¼"ø BOLT	A307	GRADE A	60
¼"ø NUT	A563	GRADE A	COS
1"Ø OVERSIZE FLAT WASHER	F844	GRADE 2	
¾"ø BOLT	A307	GRADE A	60
¾"ø NUT	A563	GRADE A	

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SHEET TITLE: MATERIAL DIMENSIONS & PROPERTIES SCHEDULES

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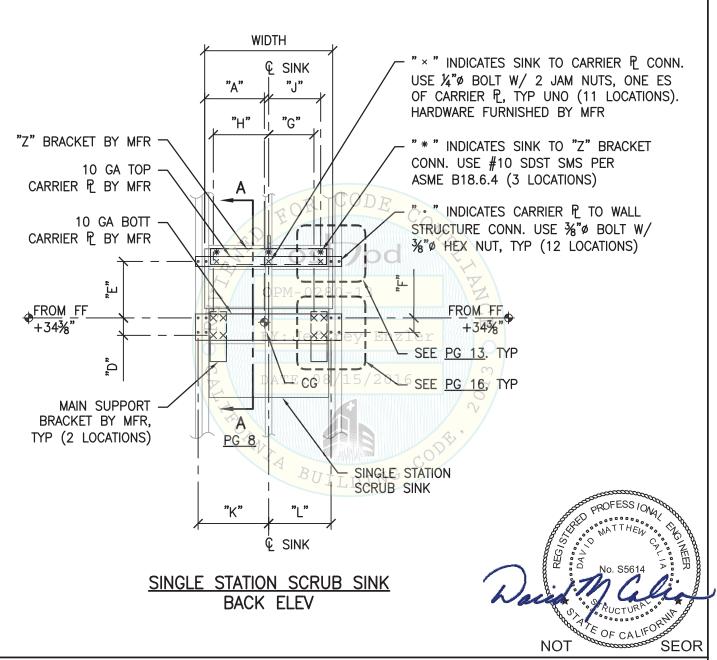
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NOTE:

SEE SCHED ON PG 5 FOR DIMS.



SHEET TITLE: SINK MODELCASS32

SINGLE STATION SCRUB SINK - DIMENSION DRAWING



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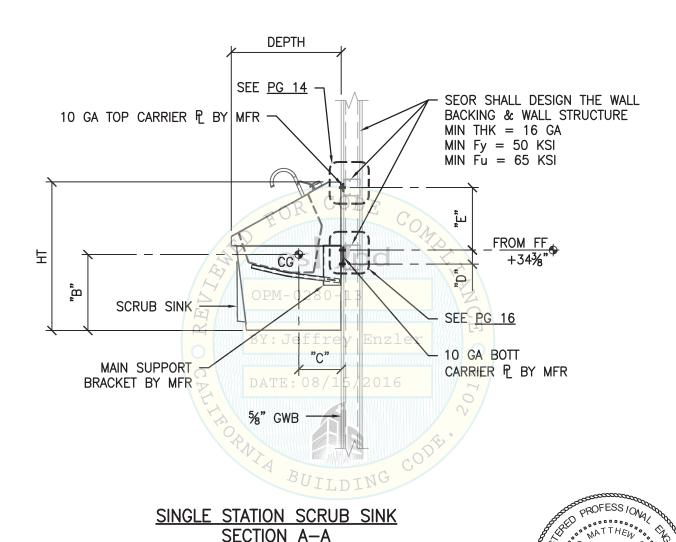
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Rail

Chair



<u>NOTE:</u> SEE SCHED ON <u>PG 5</u> FOR DIMS.



SHEET TITLE: SINK MODEL CASS32

SINGLE STATION SCRUB SINK - DIMENSION DRAWING

Chair Rail System\ACAD\STRU\S1_Loqiquip.dwq Time:Jul27,2016—01:44pm Loqin:mayerhoferm Dimscale:8 LTScale:8

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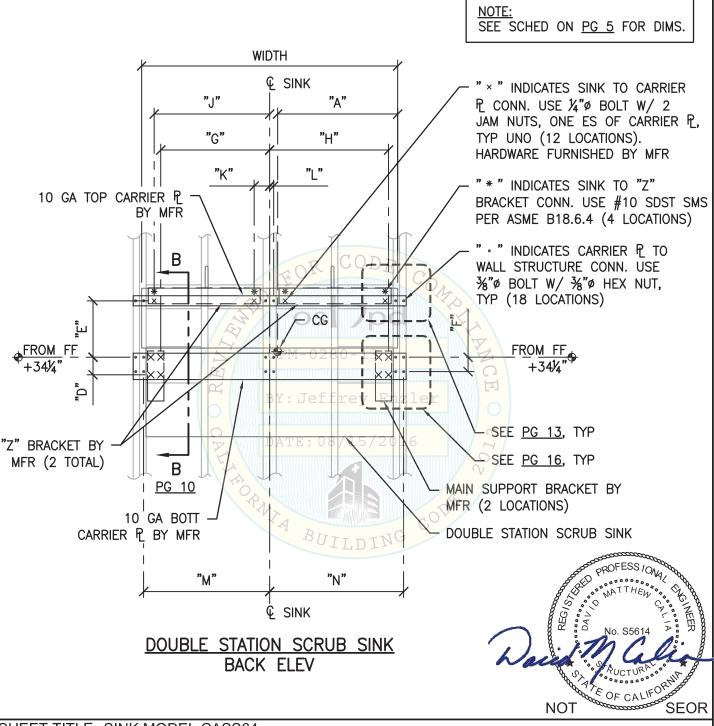
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SHEET TITLE: SINK MODEL CASS64

DOUBLE STATION SCRUB SINK - DIMENSION DRAWING

CYS STRU 2495 NATOMAS SACRAMENTO.

Dimscale:8

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Rail

Chair

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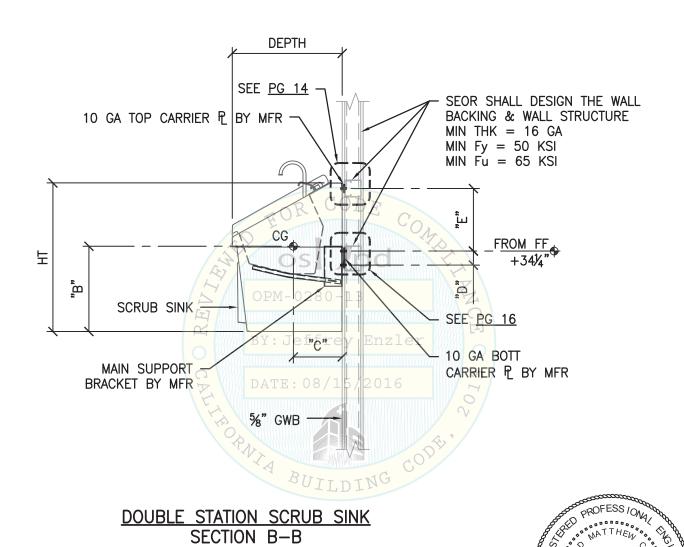
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NOTE: SEE SCHED ON PG 5 FOR DIMS.



SHEET TITLE: SINK MODEL CASS64

DOUBLE STATION SCRUB SINK - DIMENSION DRAWING



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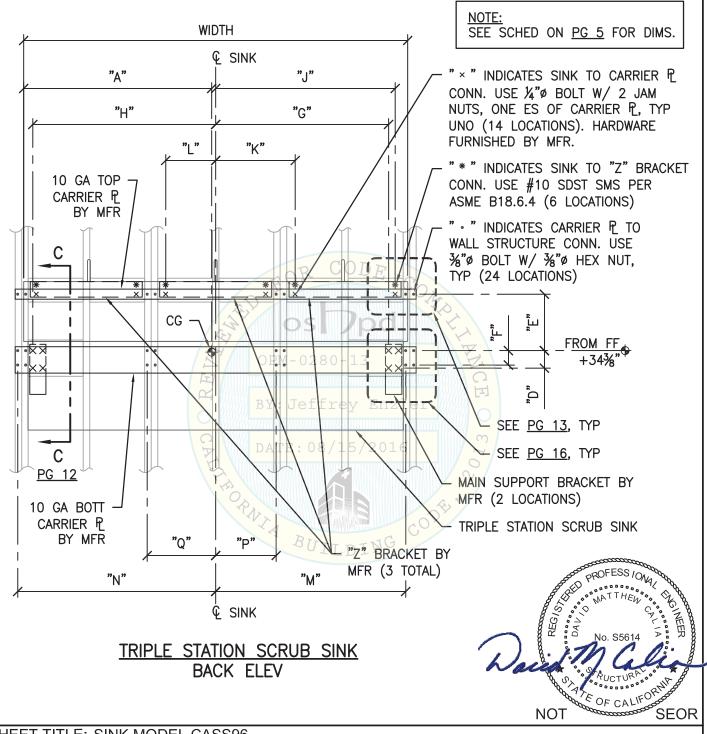
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SHEET TITLE: SINK MODEL CASS96

TRIPLE STATION SCRUB SINK - DIMENSION DRAWING



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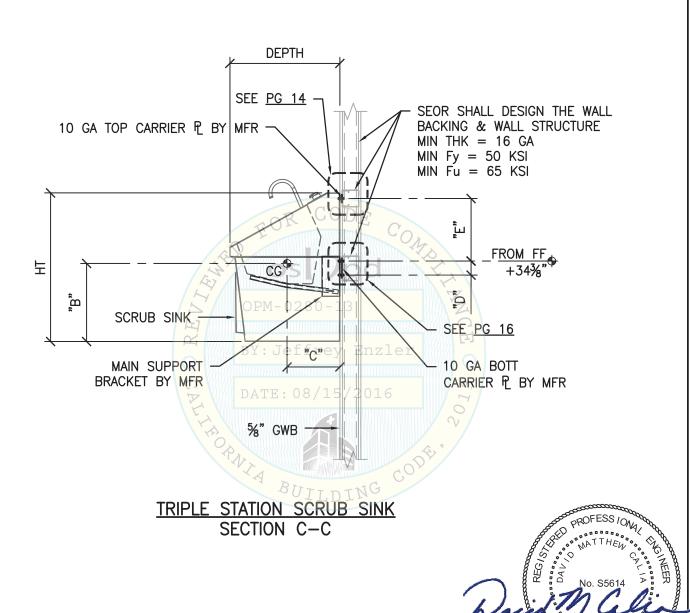
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NOTE: SEE SCHED ON PG 5 FOR DIMS.



SHEET TITLE: SINK MODEL CASS96

TRIPLE STATION SCRUB SINK - DIMENSION DRAWING



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PG 14 PG 15 D E "\(\(\) INDICATES SINK TO SEOR SHALL DESIGN "Z" BRACKET CONN THE WALL BACKING & WALL STRUCTURE "imes" indicates sink to CARRIER & CONN "●" INDICATES CARRIER P TO WALL STRUCTURE CONN, TYP 510 GA TOP CARRIER P BY MFR SCRUB SINK OUTLINE E D 14 GA "Z" DATE: 08/15/201 BRACKET BY MFR 0.5"CONN AT "Z" BRACKET

SHEET TITLE: SCRUB SINK CONNECTION DETAIL

CYS STRUCTURAL ENGINEERS, INC.

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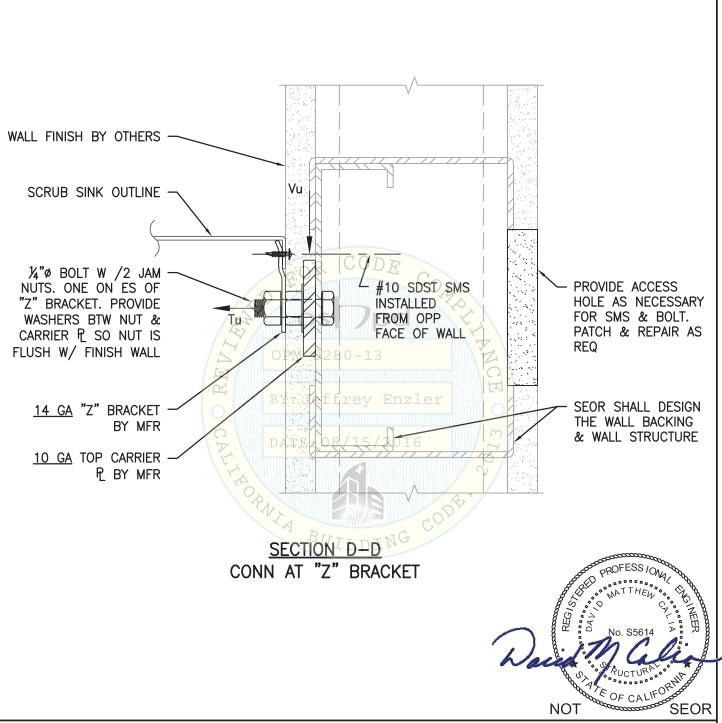
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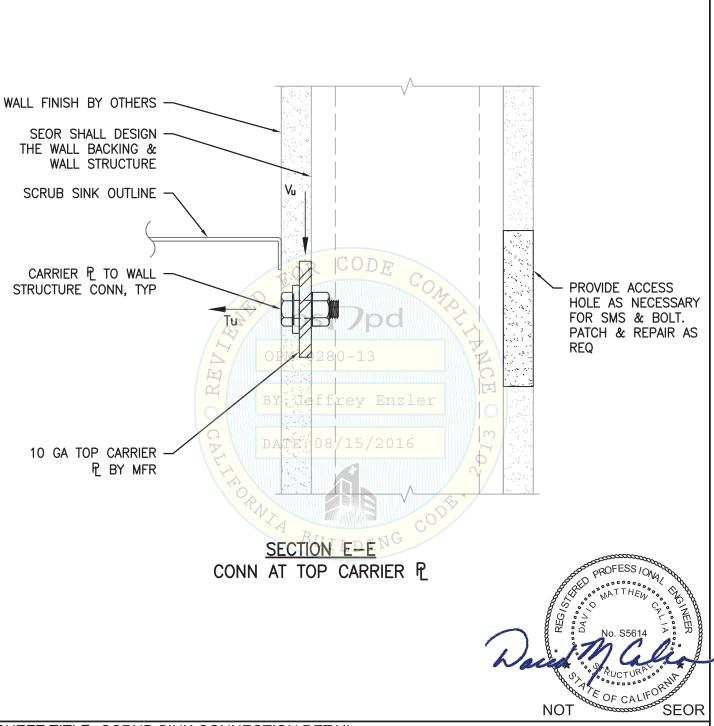


SHEET TITLE: SCRUB SINK CONNECTION DETAIL

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2495 NATOMAS PARK DRIVE, SUITE 650	TEL	(916) 920-2020	Date:	07/27	7/20°	16
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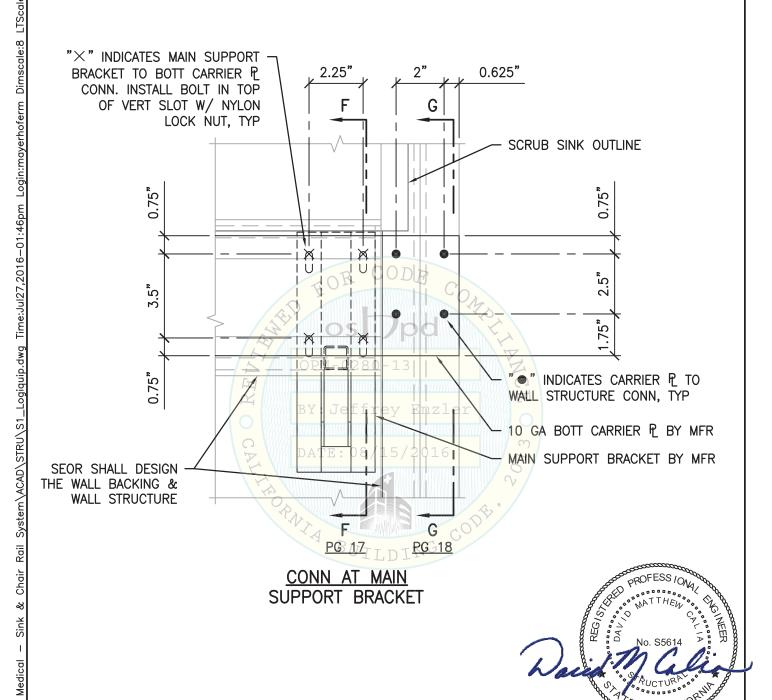
SHEET TITLE: SCRUB SINK CONNECTION DETAIL

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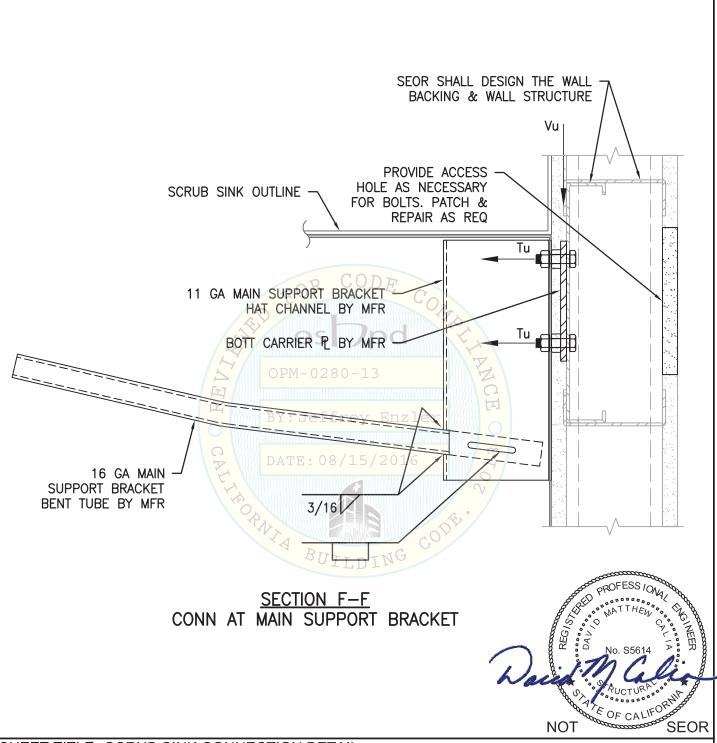
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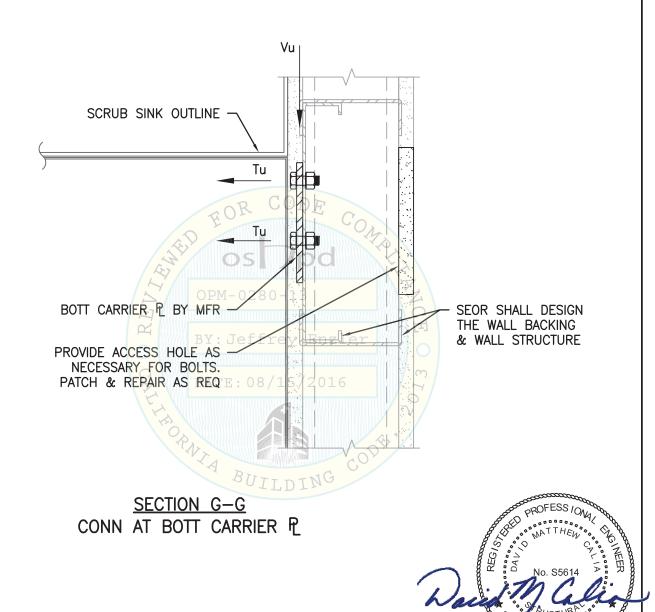


SHEET TITLE: SCRUB SINK CONNECTION DETAIL

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SHEET TITLE: SCRUB SINK CONNECTION DETAIL

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