



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL
OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY
APPLICATION #: OPM-0366-19

OSHPD Preapproval of Manufacturer's Certification (OPM)

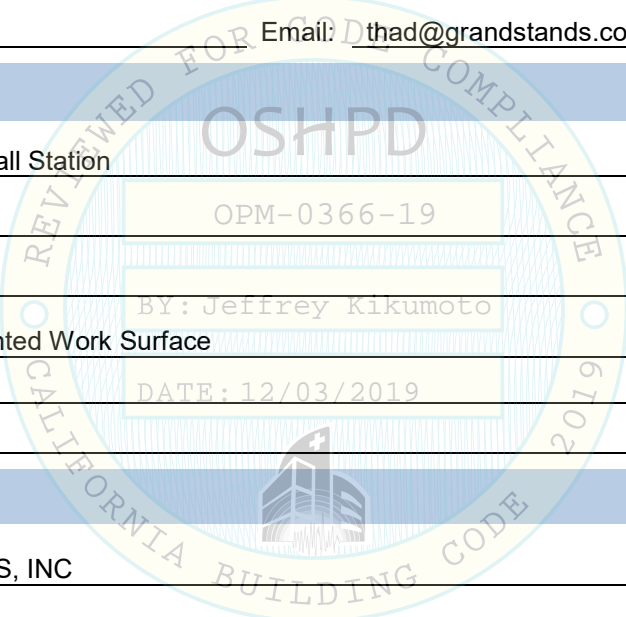
Type: [X] New [] Renewal [] Update to Pre-CBC 2013 OPA Number:

Manufacturer Information

Manufacturer: Grand Stand
Manufacturer's Technical Representative: Thad Brennan
Mailing Address: 1946 S. Myrtle Ave, Monrovia, CA 91016
Telephone: (626) 926-5319 Email: thad@grandstands.com

Product Information

Product Name: Grand Stand Wall Station
Product Type: Workstation
Product Model Number:
General Description: Wall Mounted Work Surface



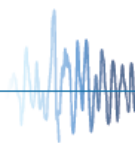
Applicant Information

Applicant Company Name: TES, INC
Contact Person: Yasser Salem, S.E.
Mailing Address: 1651 E. Fourth Street, Suite 140, Santa Ana, CA 92701
Telephone: (949) 378-5842 Email: ysalem@me.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2019.

Signature of Applicant: [Signature] Date: 7/1/2016
Title: Principal Engineer Company Name: TES

"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: TES, INC

Name: Yasser Salem, S.E. California License Number: S4902

Mailing Address: 1651 E. Fourth Street, Suite 140, Santa Ana, CA 92701

Telephone: (949) 378-5842 Email: ysalem@me.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 1950-16
- Other* (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) 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 2019 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): _____

OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2019 & ALL PRE-2019 CODE BASED PROJECTS

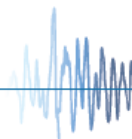
Signature:  Date: 12/3/2019

Print Name: Jeffrey Kikumoto

Title: Structural Engineer

Condition of Approval (if applicable): _____

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





TOTAL ENGINEERING SERVICES, INC

1651 E. 4TH ST, #228
Santa Ana, CA 92701
Tel: 949-378-5842
FAX: 949-215-6442

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

THIS PRE APPROVAL CONFORMS TO 2019 CALIFORNIA BUILDING CODE

MANUFACTURE: **GRAND STANDS, INC**

SHEET: 1 OF 3

EQUIPMENT NAME: **L3-MEDWALL** (MONITOR SUPPORT NOT INCLUDED IN THE SCOPE OF THIS OPM) DATE: 6/10/2016

GENERAL NOTES

- THIS OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2019.
- THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
- THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE.
- FORCES PER ASCE 7-16 SECTION 13.3, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,
WHERE $S_{ps} = 15$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1.0$
WHERE $S_{ps} = 1.9$, $a_p = 1.0$, $I_p = 1.5$, $R_p = 1.5$, $z/h \leq 1.0$
- THE DETAILS IN THIS PRE-APPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA, WHERE S_{ps} IS NOT GREATER THAN 15 & 1.9. SEE DETAILS FOR APPLICABILITY
BY: Jeffrey Kikumoto
- ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE SERVICE LOADS THAT SHALL BE USED FOR ALLOWABLE STRESS DESIGN.
DATE: 12/03/2019
- SHEET METAL SCREWS SHALL BE HILTI SCREWS (ICC-ES ESR-2196), WOOD SCREWS SHALL BE SIMPSON SDS (ICC-ES ESR-2236).
- THIS PRE APPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
- RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING
 - PROVIDE SUPPORTING STRUCTURE REQUIRED TO SUPPORT WEIGHTS AND FORCES SHOWN, IN ADDITION TO ALL OTHER LOADS.
 - VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL. VERIFY THAT THE ACTUAL EQUIPMENT'S WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.
 - VERIFY THAT THE COMBINATION OF S_{ps} & Z RESULT IN SEISMIC FORCES (E_h , E_v) THAT ARE NOT GREATER THAN THE VALUES ON THE DETAILS.
 - DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO BE AS NOTED ON THE DRAWINGS.

GRAND STANDS, INC
 CERTIFY THIS DOCUMENT AS OUTLINE DRAWING
 SIGNATURE: *Thadduis Brennan*
 PRINT NAME: Thadduis Brennan
 TITLE: VP Sales
 DATE: 12/2/19



T E S
CONSULTING

GRAND STANDS, INC

DES: A. P

SHEET

2

JOB NO: 15-08

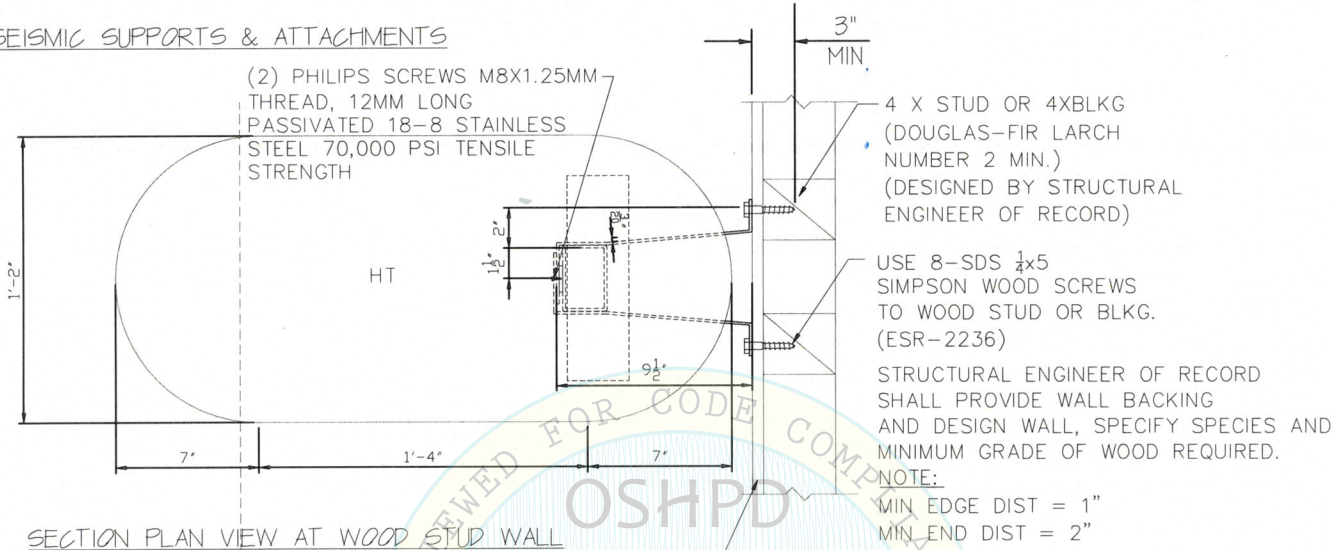
L3-MEDWALL

DATE: 6/12/15

OF **3**

SHEETS

SEISMIC SUPPORTS & ATTACHMENTS



SECTION PLAN VIEW AT WOOD STUD WALL

8" GYPD

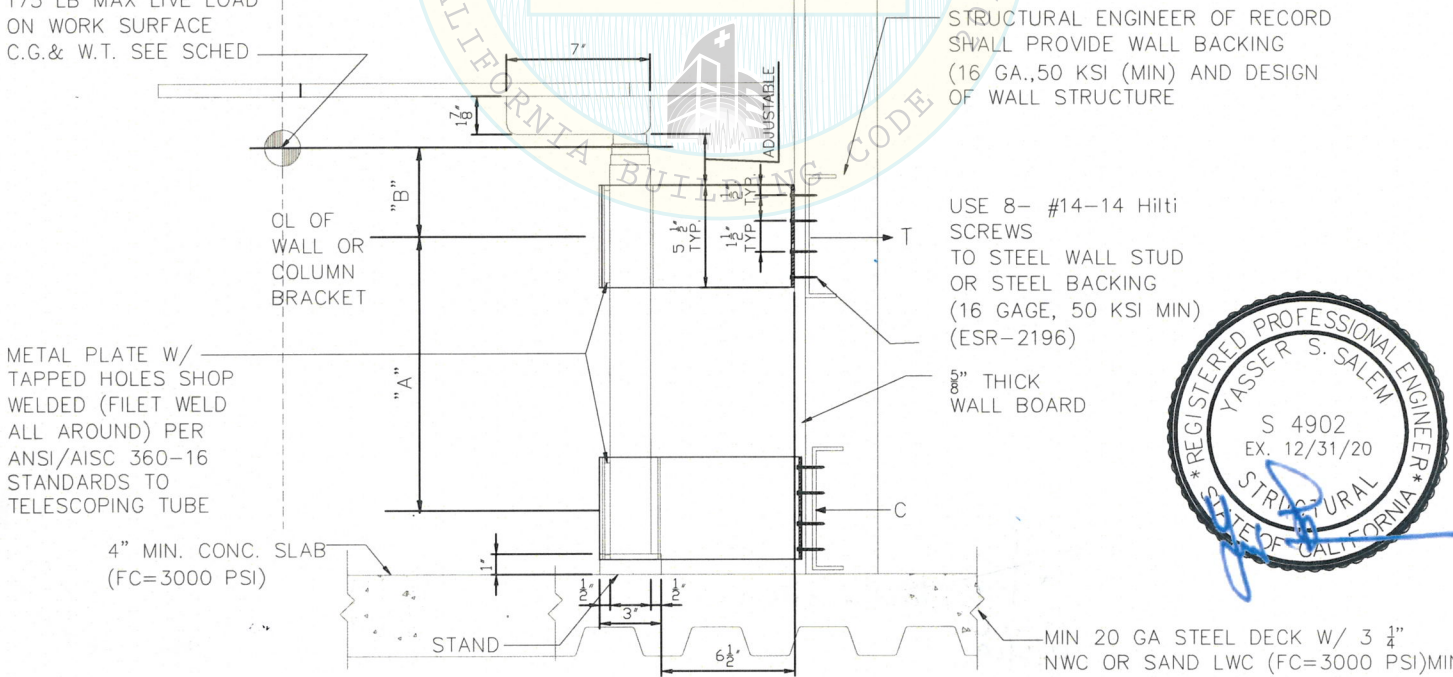
OPM-0366-19

BY: Jeffrey Kikumoto

DATE: 12/03/2019

GRAND STANDS, INC
CERTIFY THIS DOCUMENT AS OUTLINE DRAWING
SIGNATURE: *Thaddaus Brennan*
PRINT NAME: Thaddaus Brennan
TITLE: VP Sales
DATE: 12/2/19

175 LB MAX LIVE LOAD ON WORK SURFACE
C.G. & W.T. SEE SCHED



METAL PLATE W/ TAPPED HOLES SHOP WELDED (FILET WELD ALL AROUND) PER ANSI/AISC 360-16 STANDARDS TO TELESCOPING TUBE



T E S
CONSULTING

GRAND STANDS, INC

DES: A. P

SHEET **3**

JOB NO: 15-08

L3-MEDWALL

DATE: 6/12/15

OF **3** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

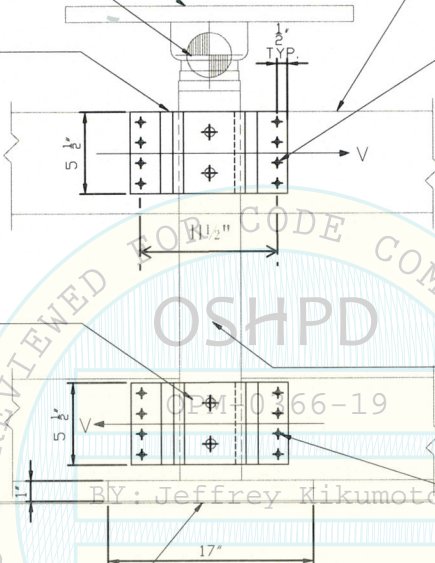
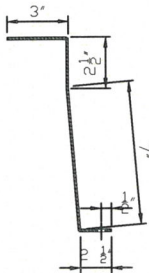
175 LB MAX LIVE LOAD ON WORK SURFACE

C.G. & W.T. SEE SCHED

BENT WALL BRACKETS (1/8" THK ASTM A1011, 30 KSI MIN) PROVIDED BY GRAND STAND MFG

WELDED STEEL PLATE (3MM THK S235JR OR 1/8" THK ASTM A284 GR C, 30 KSI MIN) PROVIDED BY GRAND STAND MFG

STRUCT'L FLOOR SEE SHT 2 OF 3



WALL MOUNTED

STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE WALL BACKING (14GA., 50 KSI (MIN) AND DESIGN OF WALL STRUCTURE

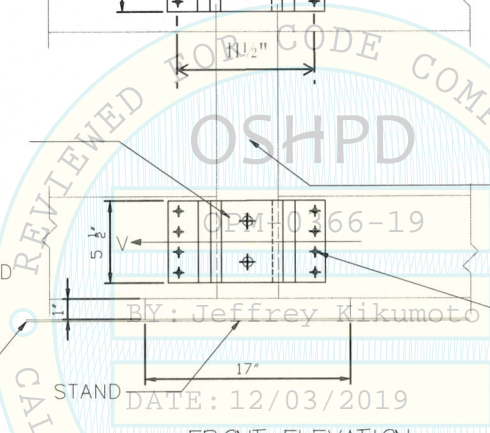
METAL STUD OPTION:
USE 8- #14-14 Hiiti SCREWS TO STEEL WALL STUD OR STEEL BACKING (16 GAGE, 50 KSI MIN) (ESR-2196)

WOOD STUD OPTION:
USE 8-SDS 1/4x5 SIMPSON WOOD SCREWS TO WOOD STUD OR BLKG. (ESR-2236) HOLE IN BRACKET MAX 0.273 ø

TELESCOPING STEEL TUBE (3MM THK S235JR OR 1/8" THK ASTM A284 GR C, 30 KSI MIN) PROVIDED BY GRAND STAND MFG

METAL STUD OPTION:
USE 8- #14-14 Hiiti SCREWS TO STEEL WALL STUD OR STEEL BACKING (16 GAGE, 50 KSI MIN) (ESR-2196)

WOOD STUD OPTION:
USE 8-SDS 1/4x5 SIMPSON WOOD SCREWS TO WOOD STUD OR BLKG. (ESR-2236) HOLE IN BRACKET MAX 0.273 ø



FRONT ELEVATION

DESIGN PARAMETERS	MAX Sds	TOTAL* WT (lb.)	"A" (in.)	"B" (in.) (MAX)	"X" (in.)	T (lb.) **	V (lb.) **
DESIGN VALUES	150	246	165	33.375	24.9	334	286
	190	246	165	33.375	24.9	388	363

*TOTAL WT= WEIGHT OF WALL STATION SYSTEM +175 LB (MAX) LIVE LOAD AT WORK SURFACE
** LOADS SHOWN ARE PER EA. SIDE OF SINGLE CONNECTION; (4) SCREWS

- NOTES:
- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16 ALLOWABLE STRESS DESIGN IS USED. (ap = 1.0, lp = 1.5, Rp = 1.5, z/h ≤ 1.0)
 - CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PRE-APPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.

GRAND STANDS, INC
CERTIFY THIS DOCUMENT AS OUTLINE DRAWING
SIGNATURE: *Thaddus Brennan*
PRINT NAME: Thaddus Brennan
TITLE: VP Sales
DATE: 12/2/19

