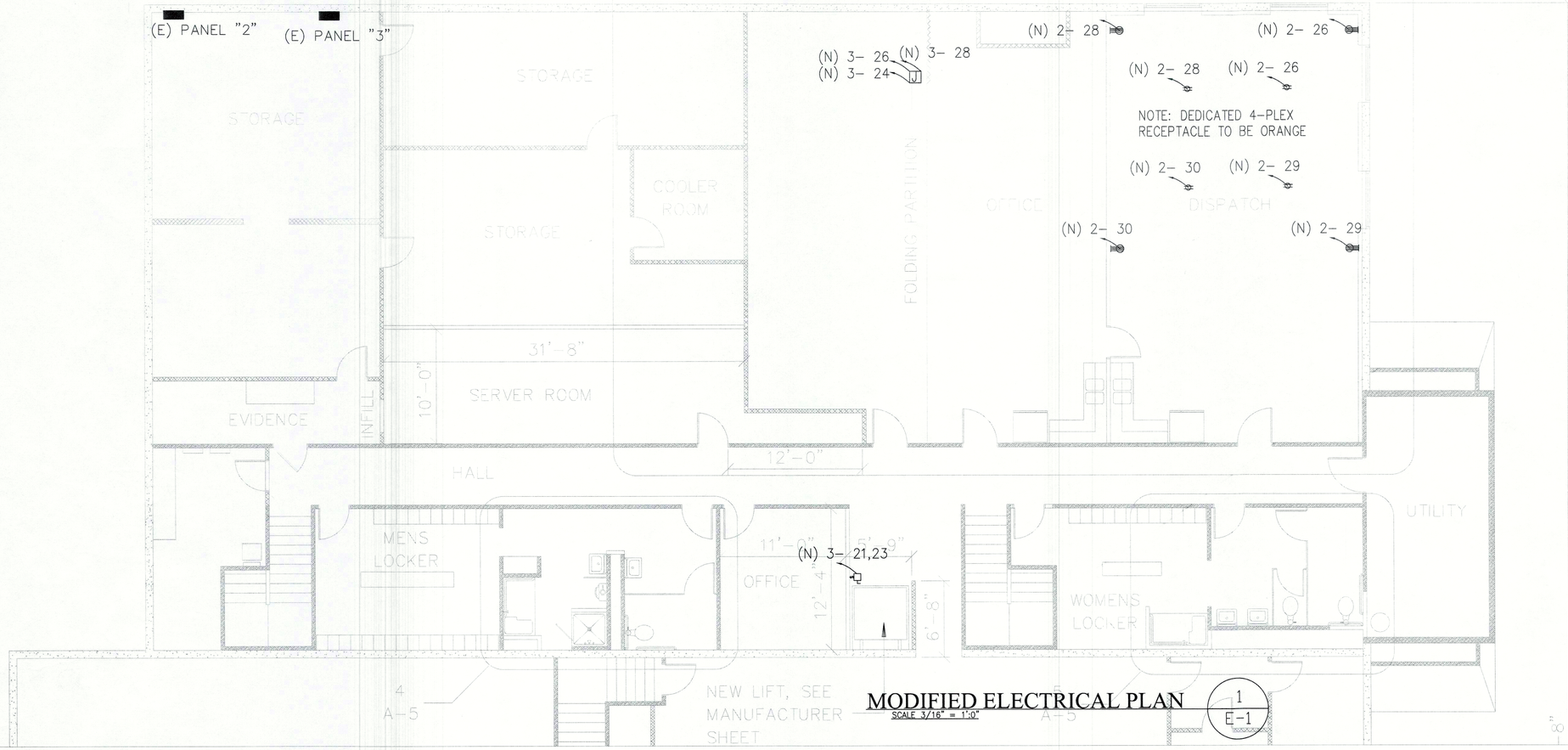

MODIFIED ELECTRICAL PLAN

SCALE 3/16" = 1'-0"

1 / E-1

OFFICE SET

Permit Number:
B 19-079

REVIEWED FOR CODE COMPLIANCE
JUN 02 2020
BUREAU VERITAS NORTH AMERICA, INC.

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STATE OF CALIFORNIA

TENANT IMPROVEMENT
OROVILLE POLICE DEPARTMENT

2010 MONTGOMERY ST.
OROVILLE, CA 95965

REVISIONS:
DATE: | DESCRIPTION | BY:

CURRENT ISSUE DATE:
10/22/19

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PERMIT REVIEW

JOB#

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CHECKED:
APPROVED:

SHEET #
E-1 OF E-1

SHEET TITLE
ELECTRICAL PLAN AND PANEL SCHEDULE

LEGEND

- 110V WALL MOUNTED FORPLEX ELECTRICAL OUTLET
- 110V FLOOR MOUNTED DEPLEX ELECTRICAL OUTLET
- DISCONNECT SWITCH
- J — JUNCTION BOX FOR SIGN

GENERAL ELECTRICAL NOTES

1. ALL NEW ELECTRICAL WIRING SHALL COMPLY WITH 2014 NATIONAL ELECTRICAL CODE AS AMENDED BY 2016 CALIFORNIA ELECT. CODE.
2. ALL SWITCHES, MOTION SENSORS, AND THERMOSTATS SHALL BE MOUNTEDAT FORTY TWO (42") ABOVE FINISHED FLOOR.
3. ALL NEW WIRES SHALL BE COPPER THHN OR THWN..
4. EXIT SIGNS AND EMERGENCY LIGHT UNITS SHALL BE WIRED TO UN-SWITCHED BRANCH CIRCUIT.
5. ALL NEW EXTERIOR LIGHT FIXTURE SHALL BE WIRED TO EXISTING HOUSE SERVICE PANEL. COORDINATE EXACT LOCATION AT SITE.
6. COORDINATE MOUNTING HEIGHT FOR ALL NEW INDOOR LIGHT FIXTURES WITH ARCHITECT OR OWNER
7. DEDICATED 4-PLEX RECEPTICLE TO BE ORANGE RECEPTACALE
8. CONTRACTOR ENSURE THE EXISTING RECEPTACLES IN THE RESTROOM AND KITCHEN ARE GFI

(E) ELECTRICAL PANELS "2" FEEDER SIZE: EXISTING
MAIN: 200A VOLTS: 120/240V, 1 PHASE, 3 WIRE LOCATION: STORAGE ROOM

LOAD DESCRIPTION	AMPS øA	AMPS øB	BR	CKT	A B	CKT	BR	AMPS øA	AMPS øB	LOAD DESCRIPTION
(E) RECIPTACLES			20/1	1		2	20/1			(E) PLUGS
(E) RECIPTACLES				3		4				(E) PLUGS
(E) RECIPTACLES				5		6				(E) LIGHTS (FUTURE)
(E) RACK				7		8				(E) LIGHTS (FUTURE)
(E) RECIPTACLES 911				9		10				(E) LIGHTS (FUTURE)
(E) RECIPTACLES (FUT) 911				11		12				(E) LIGHTS (FUTURE)
(E) WALK IN FREEZER				13		14				(E) SOLAR CTL PANEL
(E) WALK IN FREEZER FUT.				15		16				(E) DCP
(E) WALK IN FREEZER RECP.				17		18				(E) SCP
(E) RECIPTACLES				19		20				(E) SPARE
(E) RECIPTACLES				21		22				(E) LIGHTS EVIDENCE
(E) SPARE				23		24				(E) LIGHTS
(E) UPC				25		26	15/1			(N) CLEAR 1 DISPACH DESK1
(E) UPC				27		28	15/1			(N) CLEAR 1 DISPACH DESK1
(N) CLEAR 4 DISPACH DESK			15/1	29		30	15/1			(N) CLEAR 1 DISPACH DESK1

(E) ELECTRICAL PANELS "3" FEEDER SIZE: EXISTING
MAIN: 200A VOLTS: 120/240V, 1 PHASE, 3 WIRE LOCATION: STORAGE ROOM

LOAD DESCRIPTION	AMPS øA	AMPS øB	BR	CKT	A B	CKT	BR	AMPS øA	AMPS øB	LOAD DESCRIPTION
(E) AC/2			20/1	1		2	20/1			(E) AC/5 (FUT)
(E) SPARE				3		4				
(E) SPACE				5		6				
(E) AC/3				7		8				(E) AC/5 (FUTURE)
(E) SPARE				9		10				(E) LIGHTS (FUTURE)
(E) SPARE				11		12				(E) SPARE
(E) SPARE				13		14				(E) SPARE
(E) AC/11				15		16				(E) SPARE
				17		18				
(E) AC/4				19		20				(E) AC/5
(N) CARGO LIFT			15/2	21		22				
				23		24	15/1			(N) SPARE-A
(N) DEDICATED KITCHEN			15/1	25		26	15/1			(N) SPARE-B
(N) DEDICATED KITCHEN			15/1	27		28	15/1			(N) SPARE-C
				29		30				
				31		32				
				33		34				
				35		36				
				37		38				
				39		40				
				40		42				

PLUMBING EQUIPMENT SCHEDULE

FD FLOOR DRAIN "ELKAY" MODEL LK24RT ROTARY OPERATED DRAIN OUTLET FITTING FOR 3 1/2" OPENING, 4 1/8" O.D. TOP FLANGE, NICKLE PLATED BRONZE WASTE BODY WITH STAINLESS STEEL FACE FLANGE, AND PERFORATED GRID W/TRAP PRIMER.

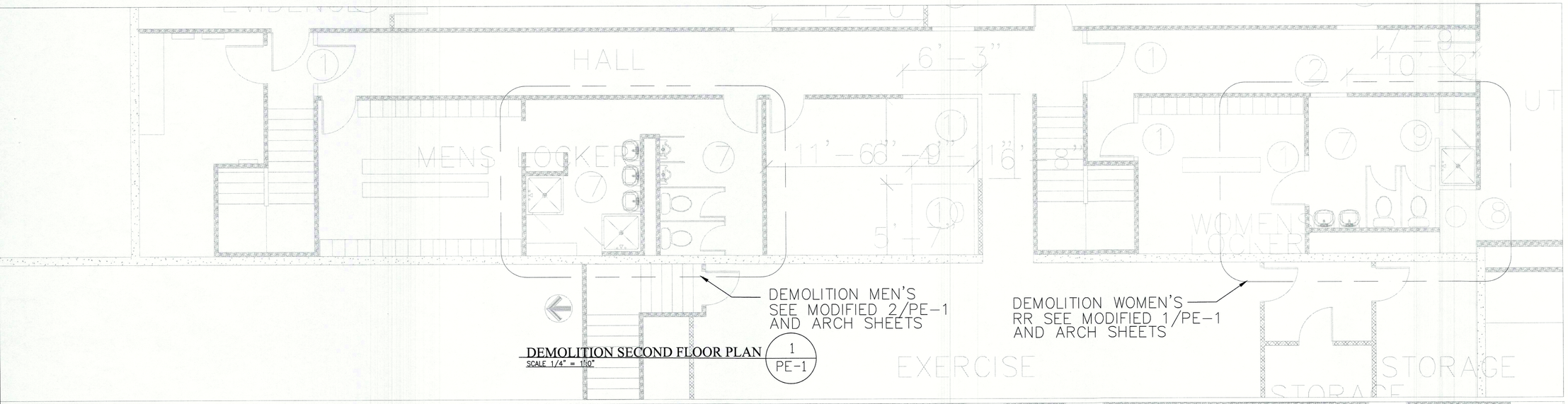
WC "KOHLER" K-4405 ADA WATER CLOSET, TOP SPUD, EXPOSED FLUSH TANK K-10956, 1.28G/FLUSH

LAV "AMERICAN STANDARD" PENLYN WALL-MOUNTED SINK WITH PLATE 605P400, WITH GLACIER BAY FAUCET MODEL F512C033CP, AND WATER MIXING BOX 605XTMZ1070, 1.0 GPM

SH "AMERICAN STANDARD" TOWNSEND 38X38" ADA SOLID SURFACE SHOWER BASE MODEL 3838AMFCOL BARRIER FREE FRONT CENTER DRAIN WITH TRENCH COVER, ESTATE PRESSURE BALANCE SHOWER HEAD, 1.75GPM, MODEL T722.507, WALL SPOUT AND VALVE #R11

NOTES:

1. ALL BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.
2. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
3. EACH VENT SHALL RISE VERICALLY TO A POINT NOT LESS THAN SIX INCHES ABOVE THE FOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZANTALLY OR BEFORE CONNECTED TO ANY OTHER VENT.
4. INSTALLATION OF SOIL OR DRAIN PIPES IN FOOD HANDLING ESTABLISHMENTS WILL COMPLY WITH SECTION 317.0 CPC.
5. FLOOR DRAINS OR SIMILAR TRAPS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM AND SUBJECT TO INFREQUENT USE SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC MEANS OF MAINTAINING THEIR WATER SEATS.
6. LAVATORY FAUCETS IN RESTROOMS SHALL BE THE SELF CLOSING AND SHALL NOT EXCEED A WATER FLOW OF 0.20 GAL/USE.
7. EACH FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.8GPM
8. TOILETS SHALL BE ULTRA LOW FLUSH TYPE (1.28 G.P.F. MAX.)



DEMOLITION SECOND FLOOR PLAN — 1 / PE-1
SCALE 1/4" = 1'-0"

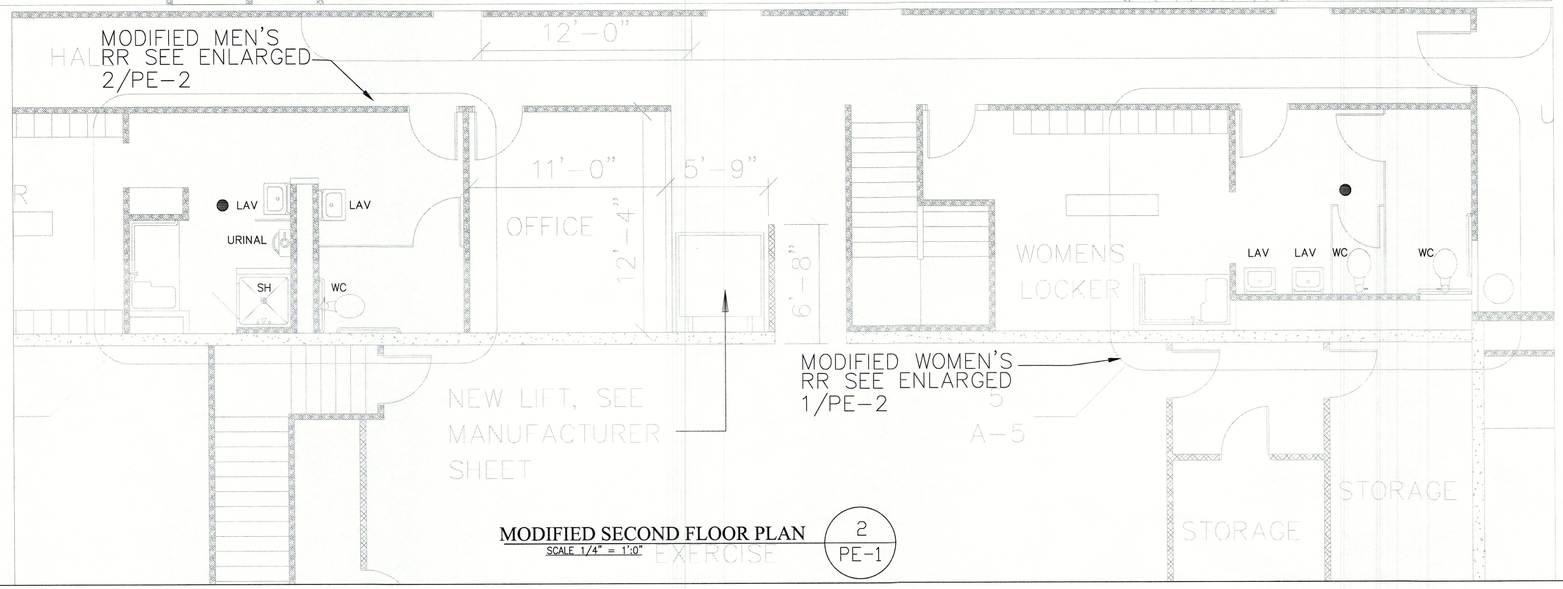
PLUMBING EQUIPMENT SCHEDULE

TP "PPP" TRAP PRIMER, FURNISH WITH VALVE AND ACCESS PANNEL. CONNECT PER MANUFACTURERS RECOMMENDATIONS.

FD FLOOR DRAIN "ELKAY" MODEL LK24RT ROTARY OPERATED DRAIN OUTLET FITTING FOR 3 1/2" OPENING, 4 1/8" O.D. TOP FLANGE, NICKLE PLATED BRONZE WASTE BODY WITH STAINLESS STEEL FACE FLANGE, AND PERFORATED GRID W/TRAP PRIMER.

LAV "AMERICAN STANDARD" PENLYN WALL-MOUNTED SINK WITH PLATE 605P400, BATTERY OPERATED FAUCET CENSOR 6055.105 AND WATER MIXING BOX 605XTMZ1070, 0.5 GPM

UR "KOHLER" K-4991-ET-0 URINAL, WALL MOUNTED TOP SPUD, WITH MANUAL 1/8 GPF FLUSH VALVE



MODIFIED SECOND FLOOR PLAN — 2 / PE-1
SCALE 1/4" = 1'-0"

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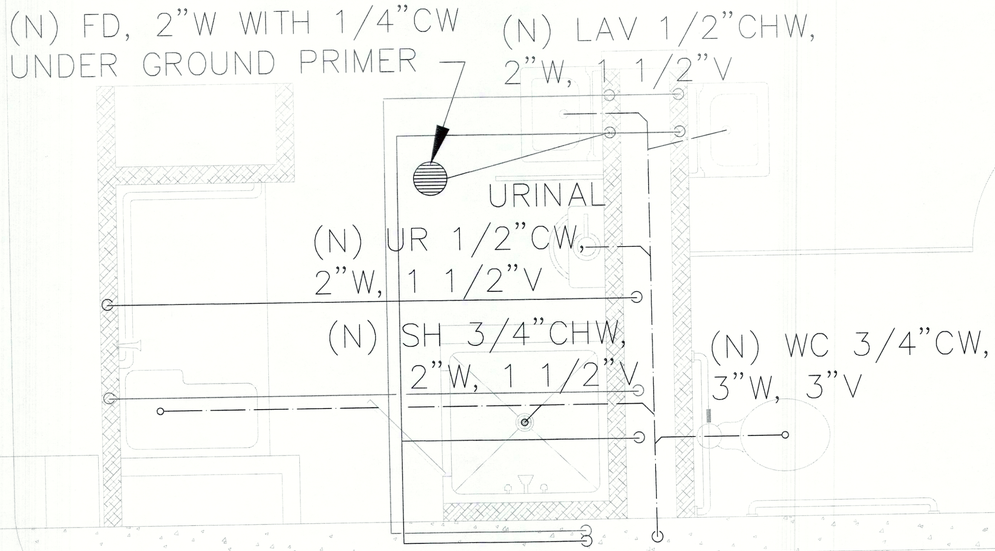
SHEET # P-1 OF P-2

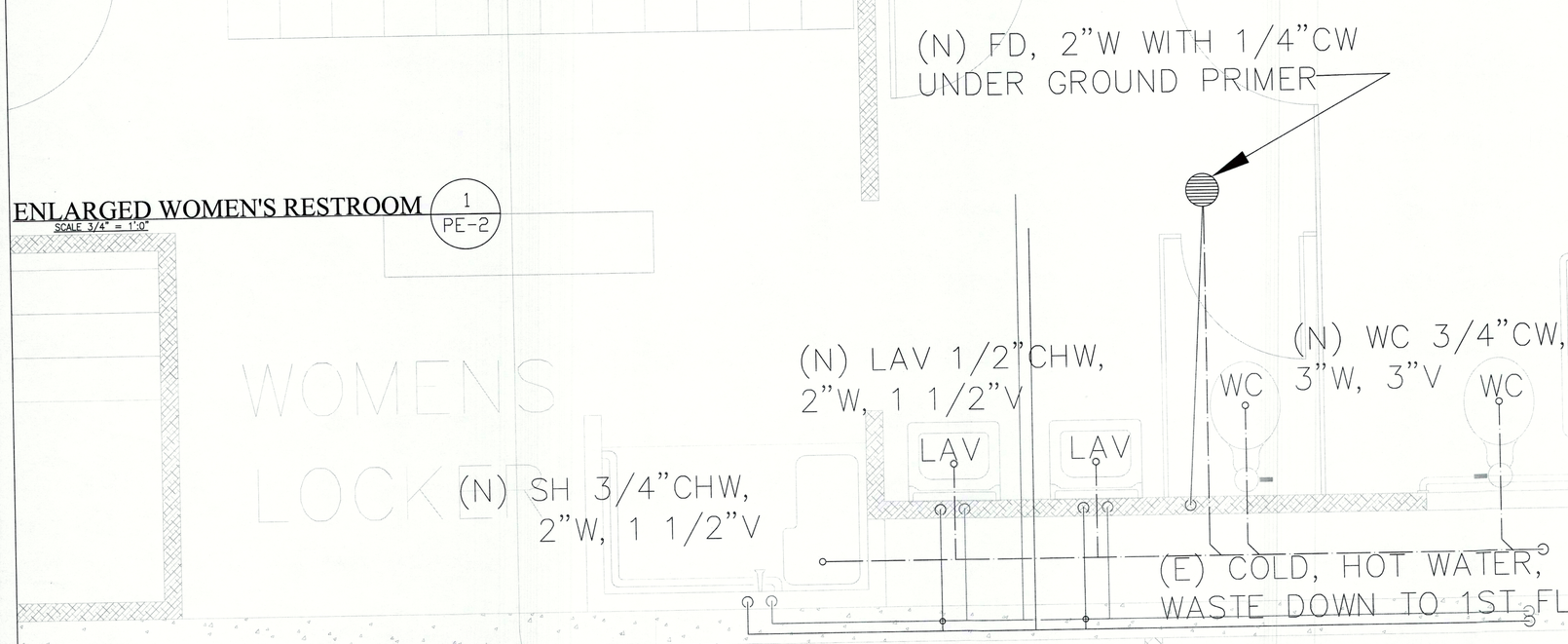
SHEET TITLE
PLUMBING NOTE, AND FIXTURES SCHEDUALS

REVIEWED FOR CODE COMPLIANCE
JUN 02 2020
BUREAU VERITAS NORTH AMERICA, INC.

NOTE0: VENT TO BE CONNECTED TO EXISTING WITH THE SIZES SHOWN



ENLARGED MEN'S RESTROOM (2 / PE-1)
SCALE 3/4" = 1'-0"



ENLARGED WOMEN'S RESTROOM (1 / PE-2)
SCALE 3/4" = 1'-0"

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P-2 OF P-2

SHEET TITLE
MODIFIED WOMEN'S AND MEN'S RESTROOM

REVIEWED FOR CODE COMPLIANCE
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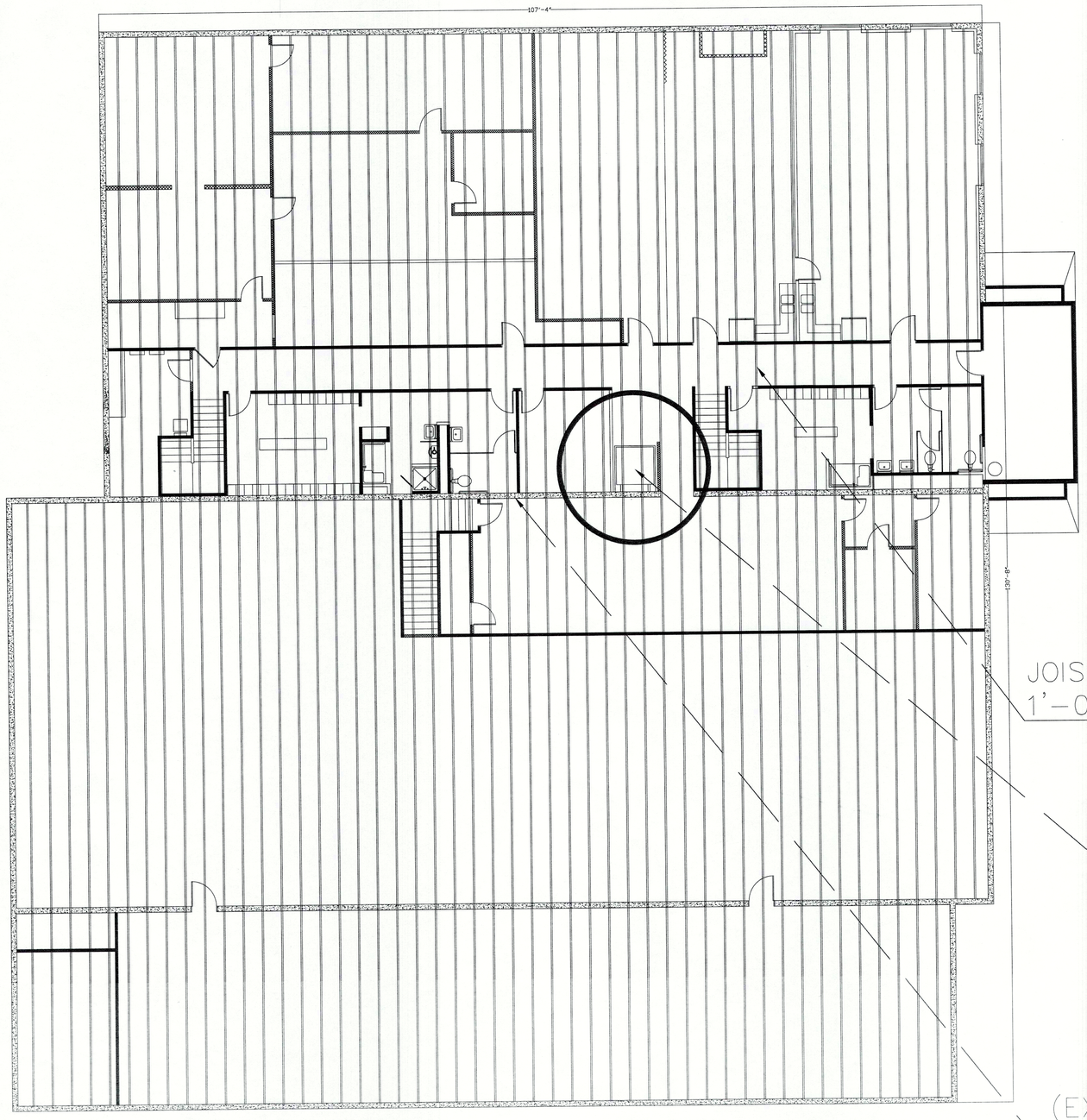


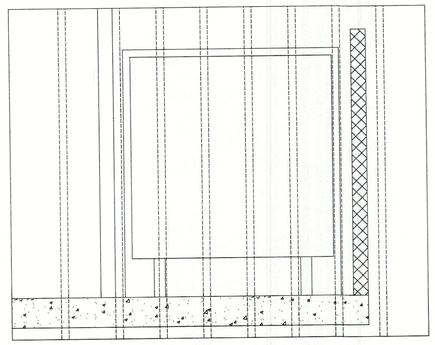
JOIST 2"x12" D.F TYP
1'-0" CENTER TO CENTER

NEW CARGO LIFT
WORKING AREA

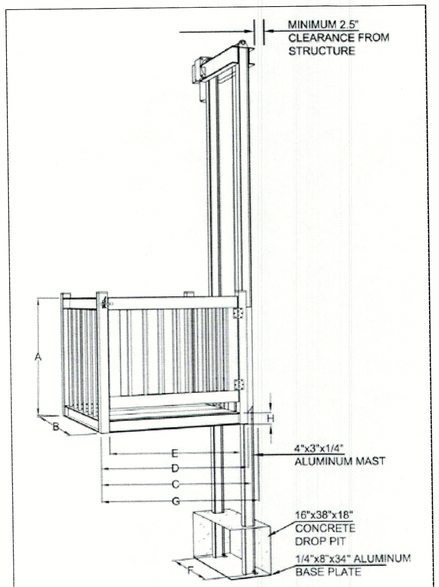
(EX) CMU BLOCK WALL
8x16

EXISTING
SECOND FLOOR PLAN

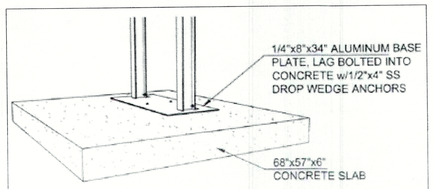
1/8" = 1'-0"



FOOTING PLAN



CARGO LIFT ELEVATION
NOT TO SCALE



ALTERNATE BASE
NOT TO SCALE

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Fuad Hassouneh

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Tenant Improvement for
Oroville Police Department
2010 Montgomery Street.
Oroville, CA. 95965

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SHEET TITLE
DEMOLITION FIRST
FLOOR PLAN

SHEET #
S-1

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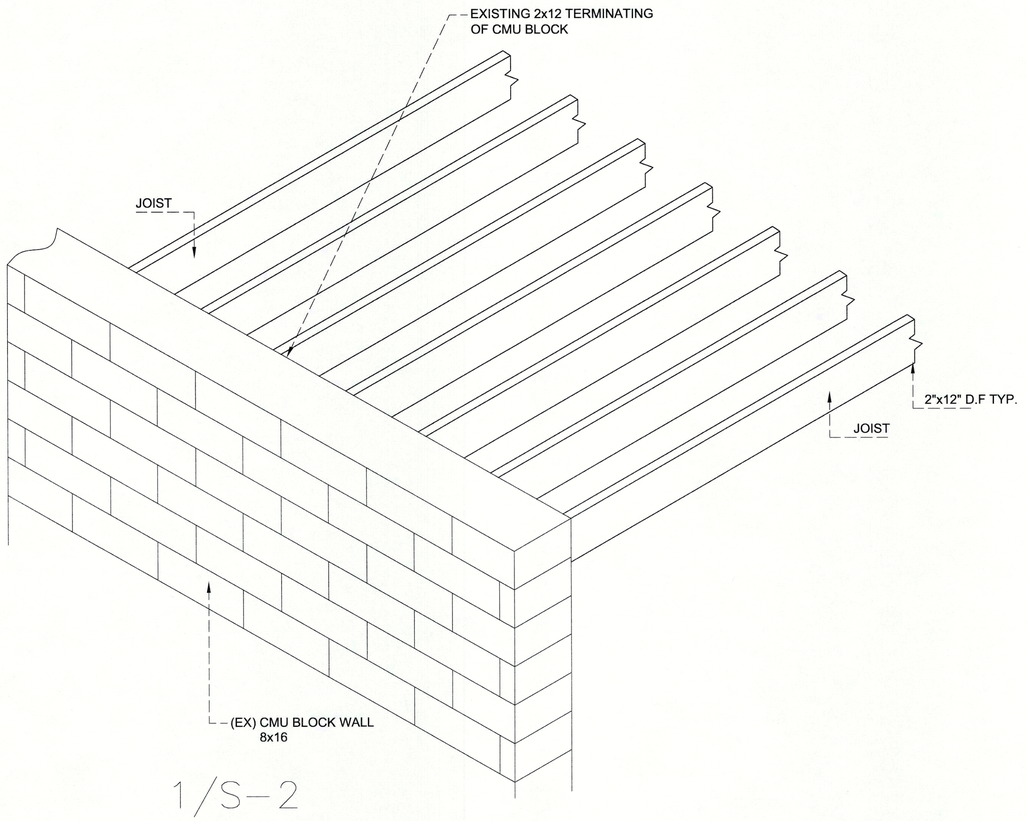
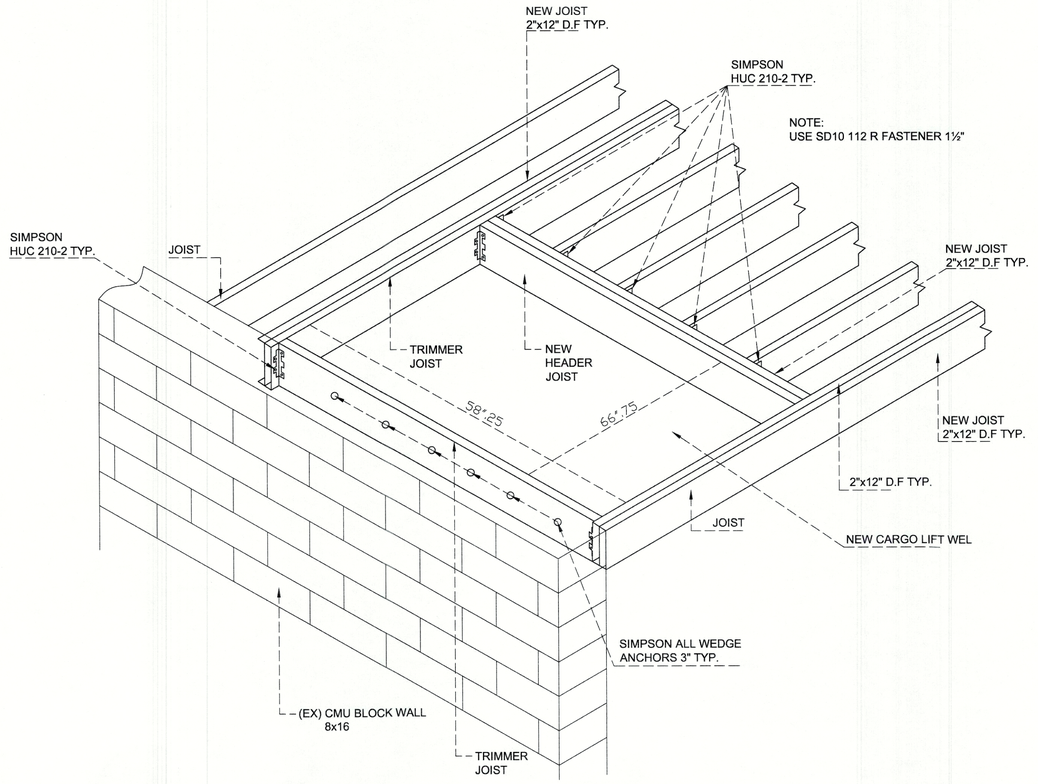


1/S-2



2/S-2

EXISTING AND DEMOLATION
DETAIL OF NEW CARGO LIFT WEL

1/8" = 1'-0"

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SHEET TITLE
DEMOLITION FIRST
FLOOR PLAN

SHEET #
S-2

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BUREAU VERITAS NORTH AMERICA, INC.

GALAXY

Voyager II Cargo Lift Order and Placement Guide

Measuring Your Travel

Measure from the lowest point on the ground of your bottom level to the landing floor of your top level. This is your travel distance. If the ground is not level please make a note on your order. This measurement must be exact!

Clearances

It is recommended that you allow at least 2" of clearance around each side of the basket. You will also need at least 60" of open space vertically above your top landing for the head assembly.

Gate Openings

Gate Positions are determined by their relation to the Travel Beams.

To select your gate positions look into the area where your basket will go from the perspective of your beams.

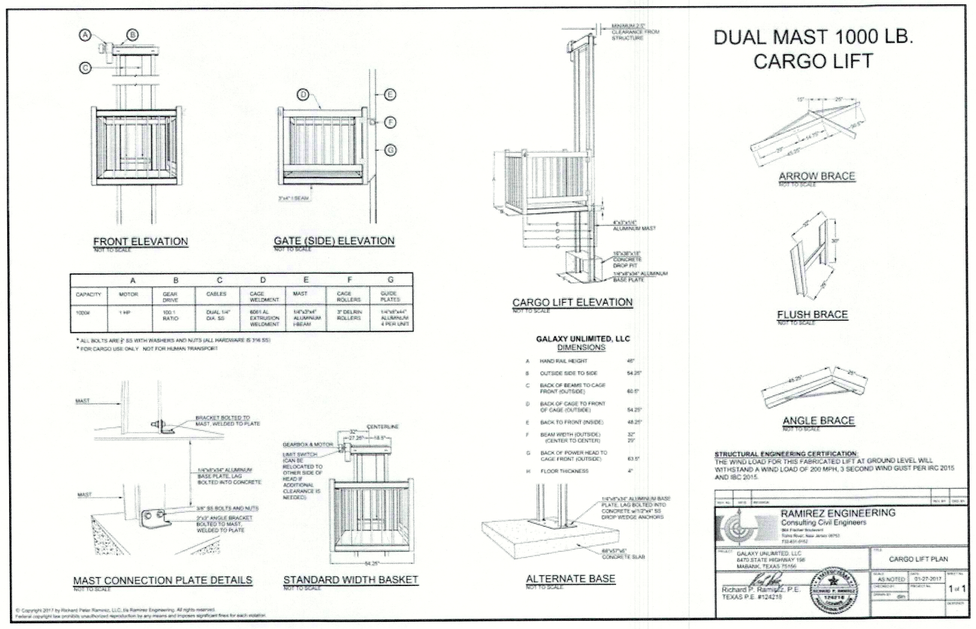
Position #1 is on your left
Position #2 is across from you
Position #3 is on your right
You can select multiple openings.

The diagram shows a basket with a #1 Side Opening

Lift Dimensions

A	Height of Hand Rail Sides	45"
B	Outer Side-to-side width	54.25"
C	Floor Thickness	4"
D	Front to Back Interior Width	48.25"
E	Rear Outer Corner of Basket to Front Outer Edge	54.25"
F	Front of Basket to Back of Travel Beams	60.75" (61.75")
G	Back of Head Assembly to Basket Front Outer Edge	65.5" (66.5")
H	Back of Footplate to Basket Front Outer Edge	69"
I	Beam Width (Center to center)	29"

*** Alternate dimensions that are in parenthesis are for premium models equipped with 5" Travel Beams



FRONT ELEVATION
NOT TO SCALE

GATE (SIDE) ELEVATION
NOT TO SCALE

	A	B	C	D	E	F	G
CAPACITY	MOTOR	GEAR DRIVE	CABLES	CAGE WELDMENT	MAST	CAGE ROLLERS	GUIDE PLATES
1000#	1 HP	100:1 RATIO	DUAL 1/4" DIA. SS	6061-AL EXTRUSION WELDMENT	14"x12"x6" ALUMINUM I-BEAM	3" DELRIN ROLLERS	1/4"x4"x44" ALUMINUM 4 PER UNIT

* ALL BOLTS ARE 3" SS WITH WASHERS AND NUTS (ALL HARDWARE IS 316 SS)
* FOR CARGO USE ONLY NOT FOR HUMAN TRANSPORT

MAST CONNECTION PLATE DETAILS
NOT TO SCALE

STANDARD WIDTH BASKET
NOT TO SCALE

CARGO LIFT ELEVATION
NOT TO SCALE

ALTERNATE BASE
NOT TO SCALE

GALAXY UNLIMITED, LLC
DIMENSIONS

A	HAND RAIL HEIGHT	45"
B	OUTSIDE SIDE TO SIDE	54.25"
C	BACK OF BEAMS TO CAGE FRONT (OUTSIDE)	60.5"
D	BACK OF CAGE TO FRONT OF CAGE (OUTSIDE)	54.25"
E	BACK TO FRONT (INSIDE)	48.25"
F	BEAM WIDTH (OUTSIDE) (CENTER TO CENTER)	32" 29"
G	BACK OF POWER HEAD TO CAGE FRONT (OUTSIDE)	63.5"
H	FLOOR THICKNESS	4"

DUAL MAST 1000 LB. CARGO LIFT

ARROW BRACE
NOT TO SCALE

FLUSH BRACE
NOT TO SCALE

ANGLE BRACE
NOT TO SCALE

STRUCTURAL ENGINEERING CERTIFICATION:
THE WIND LOAD FOR THIS FABRICATED LIFT AT GROUND LEVEL WILL WITHSTAND A WIND LOAD OF 200 MPH, 3 SECOND WIND GUST PER IRC 2015 AND IBC 2015.

RAMIREZ ENGINEERING
Consulting Civil Engineers
864 Fisher Boulevard
Toms River, New Jersey 08753
732-431-0162

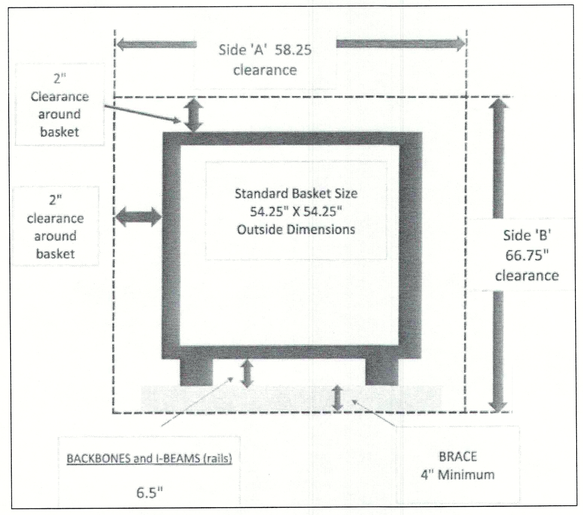
GALAXY UNLIMITED, LLC
84TO STATE HIGHWAY 198
MABANK, TEXAS 75156

CARGO LIFT PLAN

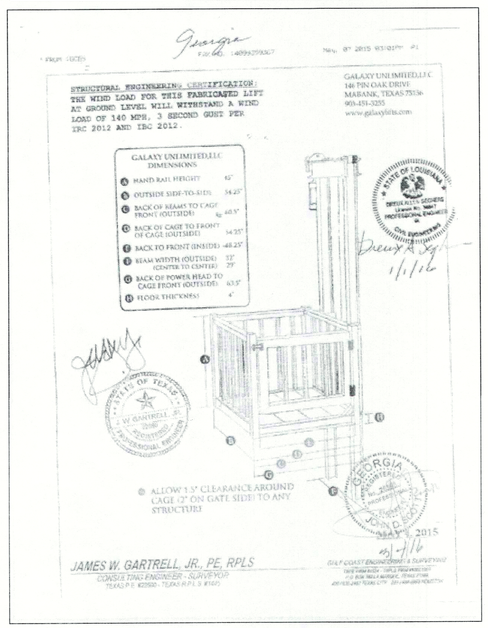
AS NOTED | 01-27-2017 | 1 of 1

Richard P. Ramirez, P.E.
TEXAS P.E. #124218

CARGO LIFT PLAN



LIFT CALCULATIONS

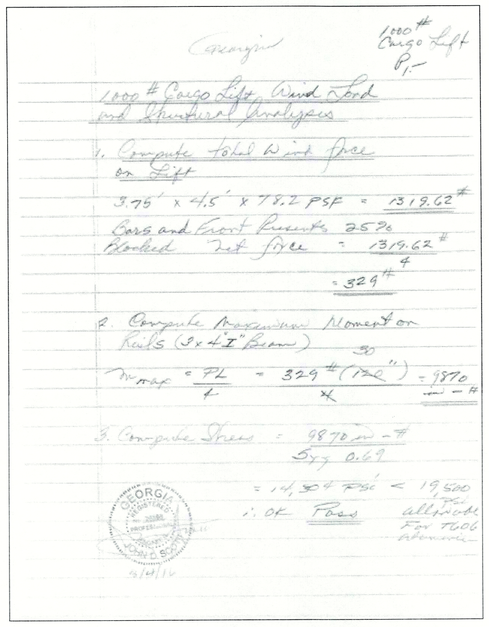


STRUCTURAL ENGINEERING CERTIFICATION:
THE WIND LOAD FOR THIS FABRICATED LIFT AT GROUND LEVEL WILL WITHSTAND A WIND LOAD OF 140 MPH, 3 SECOND GUST PER IRC 2012 AND IBC 2012.

GALAXY UNLIMITED,LLC
DIMENSIONS
A HAND RAIL HEIGHT 45"
B OUTSIDE SIDE-TO-SIDE 54.25"
C BACK OF BEAMS TO CAGE FRONT (OUTSIDE) 60.5"
D BACK OF CAGE TO FRONT OF CAGE (OUTSIDE) 54.25"
E BACK TO FRONT (INSIDE) 48.25"
F BEAM WIDTH (OUTSIDE) CENTER TO CENTER) 32" 29"
G BACK OF POWER HEAD TO CAGE FRONT (OUTSIDE) 63.5"
H FLOOR THICKNESS 4"

ALLOW 3.5" CLEARANCE AROUND CAGE (2" ON GATE SIDE) TO ANY STRUCTURE

JAMES W. GARTRELL, JR., PE, RPLS
CONSULTING ENGINEER - SURVEYOR



1000# Cargo Lift
P1.—

1000# Cargo Lift Wind Load and Structural Analysis

1. Compute total Wind force on Lift

3.75' x 4.5' x 78.2 PSF = 1319.62#

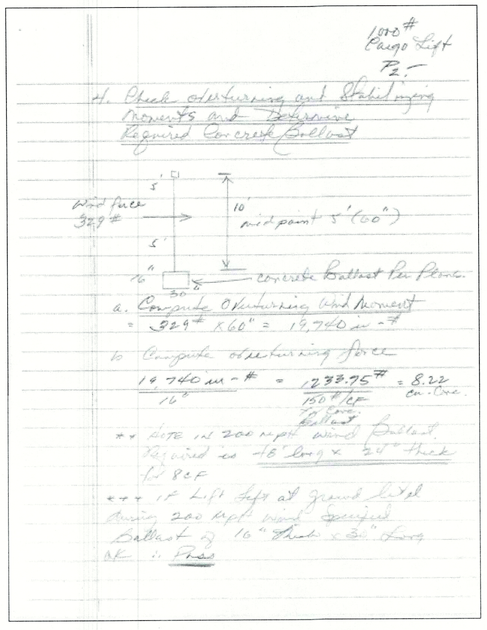
Cars and Front Presents 25% Blocked Net force = 1319.62# / 4 = 329#

2. Compute Maximum Moment on Rails (3x4 I Beam) 30

$M_{MAX} = \frac{FL}{4} = \frac{329\#(12')}{4} = 9870$ in-#

3. Compute Shear = 9870 in-# / 0.69

= 14,304# PSF < 19,500 ∴ OK Pass all wide flange beams for T606 Aluminum



1000# Cargo Lift
P2.—

4. Check overturning and Stabilizing moments and Determine required Concrete Ballast

Wind Face 329#
5'
10'
mid point 5'(60")
5'
16"
Concrete Ballast Per Plans
30"

a. Compute Overturning Wind Moment
= 329# X 60" = 19,740 in-#

b. Compute overturning force
19,740 in-# / 16' = 1233.75# / 150# / CF = 8.22 cu. Ft.

** Note in 200 mph wind Ballast Required is 16" long x 24" thick W 8 CF

*** If Lift left at Ground Level during 200 mph wind Required Ballast is 16" thick x 3' long OK ∴ Pass

DETAIL OF NEW CARGO LIFT WELL

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STRUCTURE CONSULTANT:
REGISTERED PROFESSIONAL ENGINEER
FUAD HASSOUNEH
No. 52350
EXP. 12-31-20
CIVIL
STATE OF CALIFORNIA

PROJECT:
Tenant Improvement for
Oroville Police Department
2010 Montgomery Street.
Oroville, CA. 95965

REVISIONS:

DATE:	DESCRIPTION	BY:

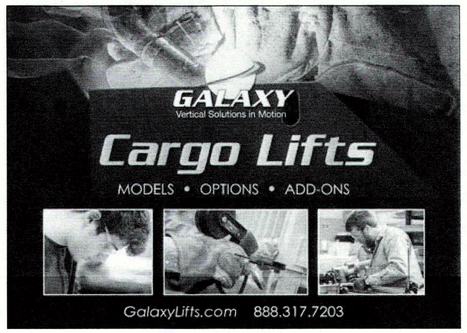
CURRENT ISSUE DATE: 10-28-19
ISSUED FOR : PERMIT REVIEW
JOB# 000-000

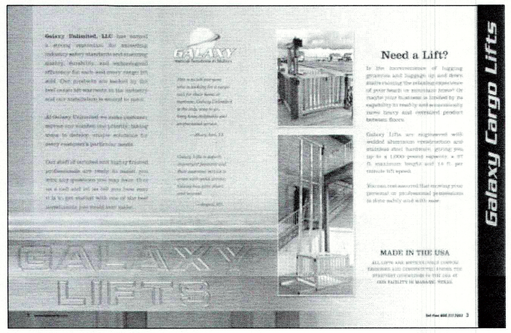
DRAWN BY: DEA
CHECKED:
APPROVED:

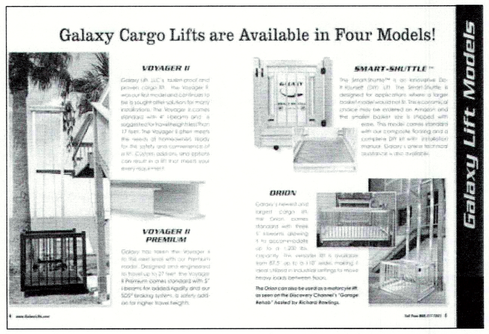
SHEET TITLE
DEMOLITION SECOND FLOOR PLAN

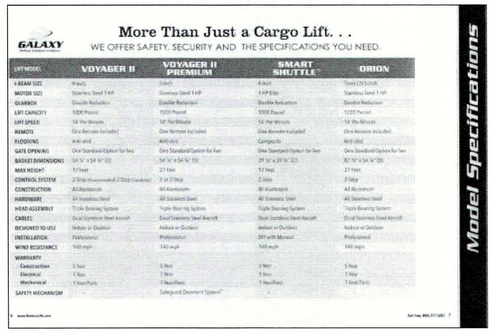
SHEET # S-3

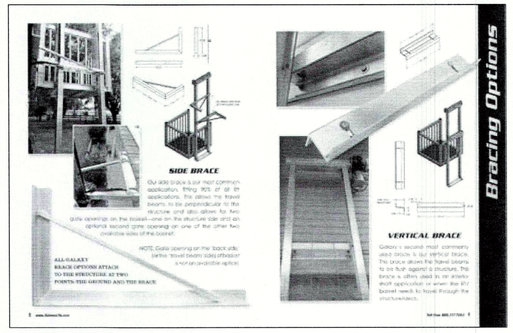
REVIEWED FOR CODE COMPLIANCE
JUN 02 2020
BUREAU VERITAS NORTH AMERICA INC.

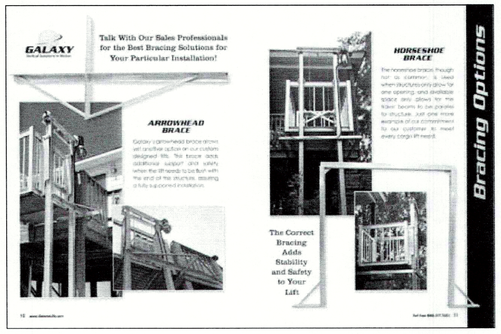


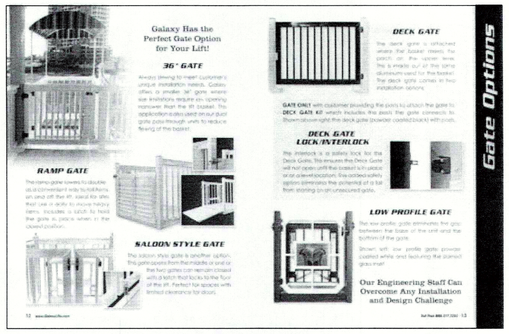


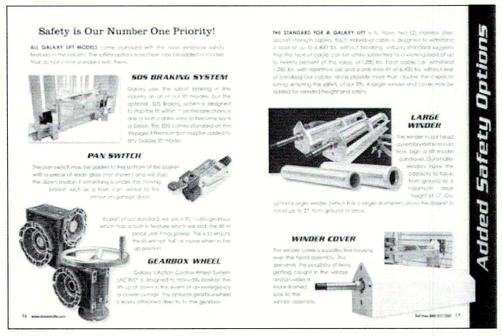


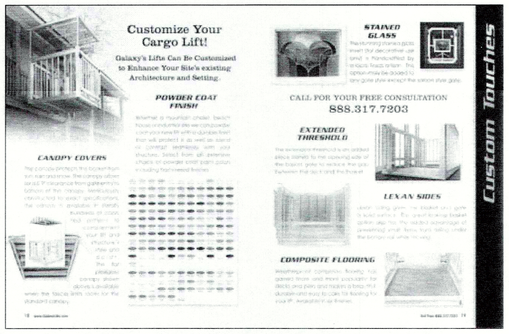


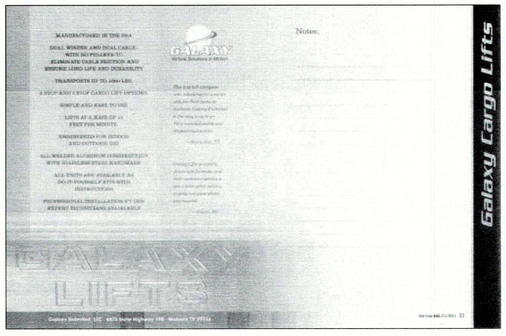












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