

P.O. BOX 749, 5191 STUMP ROAD, PLUMSTEADVILLE, PA 18949
PHONE# 215-766-3380, FAX# 215-766-3385, WEBSITE: CUSTOMELEVATORINC.COM

## ROPED HYDRAULIC LULA ELEVATOR LAYOUT DRAWING SUBMITTAL

CUSTOMER:	AMERICAN HOME ELEVATOR CO., INC.
ADDRESS:	4593 FREMONT PIKE
	PERRYSBURG, OH 43551
PHONE#:	419-837-6596
FAX#:	419-837-6785
CONTACT:	PATTY CROSBY
PROJECT NAME:	HYATT BUILDING
LOCATION:	S. MAIN ST.
	FINDLAY, OH 45840
CUSTOMER P.O.	
&/OR REFERENCE#:	<u>HYATT</u>
DDAWAL DV	OADL ZENODI
DRAWN BY:	CARL ZENOBI
PRELIMINARY DATE:	2-20-18
APPROVED BY:	JOHN SCHIEBERT / PATTY CROSBY
APPROVED DATE:	3-12-18
RELEASED BY:	CARL ZENOBI
FINAL DATE:	3–22–18
FINAL DAIE:	J-ZZ-10

	REVISIONS						
REV.	EV. DATE DESCRIPTION:						
1	3-22-18	PIT DEPTH WAS 1'-2", MAIN POWER WAS 220V,					
		ADDED CAB WALL COLOR. FINAL.					

# **FINAL**

JOB	NAME:
	HYATT BUILDING
DRA	WING NUMBER:
	AMER-18261
1	

# CONTRACT DATA



CHARACTERISTICS:						
CAPACITY:	1400 LBS.	OPENINGS:	1-FRONT / 1-REAR			
SPEED:	30 F.P.M.	TOTAL TRAVEL:	15'-8"			
LANDINGS:	2	OPERATION:	S.A.P.B. / COLLECTIVE			

EQUIPMENT:		
MOTOR HORSEPOWER: 5 RPM: 1750	PLUNGER: 3 1/2" / .250 WALL PIECE(S): 1	
<b>F.L.A.:</b> 21 <b>L.R.A.:</b> 126	CYLINDER: 5 9/16" / .258 WALL PIECE(S): 1	
<b>G.P.M.:</b> 7.2	UP/DOWN OVERTRAVEL: 3" / 3"	
WORKING PSI: 765	HOIST CABLES: (3) 3/8" DIA 6 x 19	
RELIEF PSI: 956	GUIDE RAILS: 8 LBS./FT.	
OIL LINE: 3/4" NOM. SCH. 80 (1.05 O.D., .154 WALL)	CAR SAFETY: TYPE "A"	
OIL REQUIRED: 35 GALS. TYPE: AW68	BUFFERS: RUBBER	
PIPE RUPTURE VALVE: 3/4"		

ELECTRICAL:		CAR WEIGHTS:				
MAIN POWER:	240-1-60 HZ - 60 AMP	<b>SLING:</b> 325	LBS.			
LIGHT POWER:	110-1-60 HZ - 15 AMP	<b>CAB:</b> 925	LBS.	DOOR OPER.: 4	120	LBS.
SIGNAL VOLTAGE:	24 VDC	EMPTY CAR: 1920	LBS.	PLATFORM: 1	150	LBS.
EMERGENCY POWER:	110 VAC U.P.S.	PLUNGER: 85	LBS.	MISC.: 1	100	LBS.

SIGNAL FIXTURES:
CAR STATION: FINISH: #4 STN/STL
☑CALL BUTTONS W/ACK. LIGHTS
⊠ALARM SIREN W/PUSH BUTTON
☑DIGITAL CAR P.I. W/ARROWS
⊠AUDIBLE SIGNAL
☑DOOR OPEN BUTTON
⊠FIRE SERVICE JEWEL
MACCESS ENABLE SWITCH
CAR TRAVEL LANTERNS: FINISH: #4 STN/STL
HALL STATIONS: FINISH: #4 STN/STL
⊠CALL BUTTON W/ACK. LIGHT
☑FIRE SERVICE (PHASE I ONLY) 2016 CODE

PRIME FLOOR @

PLAN NUMBER: Contract Data



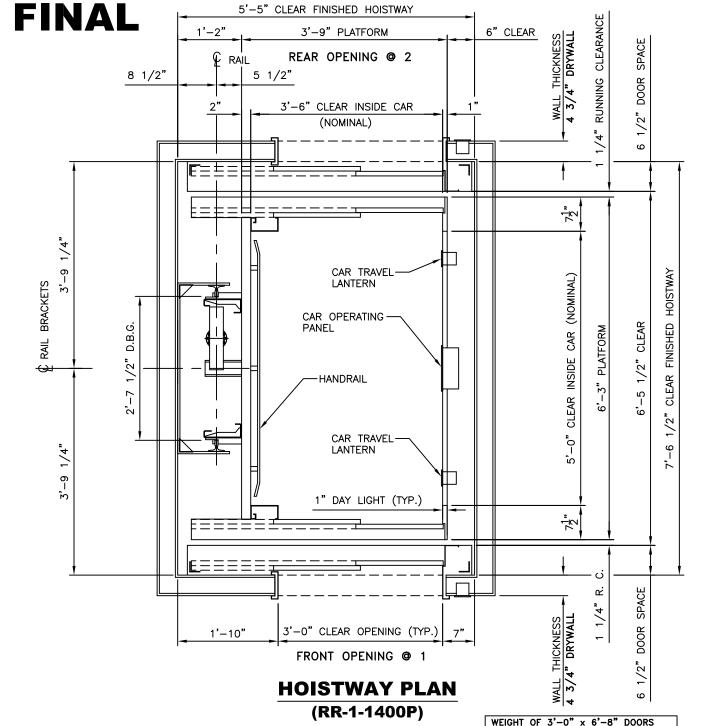
P.O. BOX 749 5191 STUMP RD. PLUMSTEADVILLE, PA. 18949 PHONE: 215-766-3380 FAX: 215-766-3385

> ROPED HYDRAULIC LULA ELEVATOR

AMERICAN HOME ELEVATOR CO., INC. PROJECT: HYATT BUILDING PRELIMINARY DATE: APPROVED BY FINAL DATE: 2-20-18 3-22-18 REV. #: DRAWING NUMBER: DRAWN BY: C.Z. SCALE: N.T.S. AMER-18261

1

ALTERNATE FLOOR @



#### **GENERAL NOTES AND PROVISIONS** REQUIRED BY OTHERS

- 1. FINISHED HOISTWAY MUST CONFORM TO THE DIMENSIONS INDICATED ON LAYOUT DRAWINGS. ALL WALLS AND SIDE MEMBERS MUST BE SQUARE AND EXTEND FROM SILL TO BEAM ABOVE. INSIDE SURFACE OF HOISTWAY MUST BE FLUSH.
- 2. ADEQUATE SUPPORTS MUST BE PROVIDED FOR FASTENING RAIL BRACKETS AS INDICATED ON THE LAYOUT DRAWINGS. SUPPORTS MUST WITHSTAND RAIL FORCES INDICATED.
- 3. ALL BLOCKOUTS FOR HALL BUTTONS MUST BE PROVIDED. LOCATION TO BE
- COORDINATED WITH ELEVATOR CONTRACTOR.

  4. THE ENTIRE WALL OF THE HOISTWAY AROUND EACH OPENING MUST NOT BE CONSTRUCTED UNTIL THE HOISTWAY DOOR FRAMES ARE SET.
- 5. ADEQUATE SUPPORTS FOR SILL ANGLES AND SILLS ACROSS FULL WIDTH OF HOISTWAY SHALL BE FURNISHED AT EACH LANDING. SILLS ARE TO BE GROUTED AFTER INSTALLATION.
- 6. ALL WALL PATCHING, PAINTING, AND GROUTING BY OTHERS. FINISH PAINTING OF ALL HOISTWAY DOORS AND FRAMES BY OTHERS.

WEIGHT OF 3'-0"	x 6'-8" DOORS
PRIME OR ENAMEL	145 LBS. PER SET*
STN./STL.	175 LBS. PER SET*

\*Includes weight of (1) set of doors on car or hoistway (Total Wt. of doors with Stn/Stl car doors and prime entrance doors is 320 lbs.)

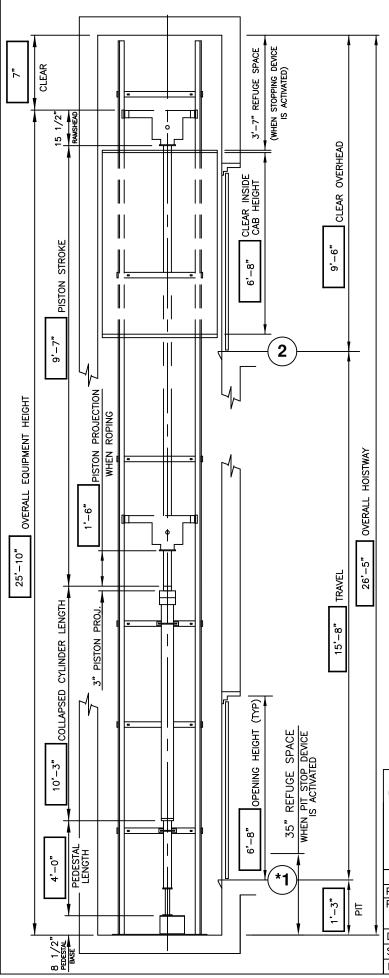


O. BOX 749 5191 STUMP RD. PLUMSTEADVILLE, PA. 18949 PHONE: 215–766–3380 FAX: 215–766–3385

manufacturing

ROPED HYDRAULIC

сотрану, тис.				LULA	ELE	EVATOR	
AMERICAN HOME EI							
PROJECT: HYATT BU							
PRELIMINARY DATE: APPROVED BY						AL DATE:	
2-20-18					3.	-22-18	
DRAWN BY: C.Z.			#:	DRAWI	NG	NUMBER	$\overline{\cdot}$
SCALE: N.T.S.				АМ	ER-	-18261	
PLAN NUMBER: RR-	1-1400P	1 '					



### GENERAL NOTES AND PROVISIONS REQUIRED BY OTHERS

- 1. A FINISHED HOISTWAY GUARANTEED PLUMB WITHIN 1/2" FROM TOP TO BOTTOM, AND CONFORMING TO THE DIMENSIONS INDICATED ON LAYOUT DRAWING PROVIDED. ALL WALLS AND SIDE MEMBERS MUST BE SQUARE AND EXTEND FROM SILL TO BEAM ABOVE. INSIDE SURFACE OF HOISTWAY MUST BE FLUSH, INTERIOR OF HOISTWAY SHOULD BE FINISHED PRIOR TO INSTALLATION, HOISTWAY MUST BE CONSTRUCTED IN ACCORDANCE WITH ASME A17.1 AND ALL STATE AND LOCAL BUILDING CODE REQUIREMENTS.
- 2. WHERE WOOD FRAME CONSTRUCTION IS USED, DOUBLE 2" X 12"s SPACED AS INDICATED ON LAYOUT DRAWINGS, AND EXTENDING THE FULL HEIGHT OF THE HOISTWAY ARE RECOMMENDED.
- 3. FOR MASONRY WALLS, INSERTS SHALL BE PROVIDED BY ELEVATOR CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- TOTAL TRAVEL DISTANCE FROM FINISHED BOTTOM FLOOR TO FINISHED TOP FLOOR MUST BE HELD WITHIN 1" OF THAT SHOWN ON LAYOUT DRAWING.
- 5. OVERHEAD CLEARANCE: (TOP FLOOR TO UNDERSIDE OF HOISTWAY CEILING OR OBSTRUCTION) TO BE MAINTAINED PER THESE LAYOUTS. IF A MINIMUM OF 11'-O" CAN NOT BE ACHIEVED, CONTACT FACTORY FOR ALTERNATE ARRANGEMENT.
- 6. A POURED PIT CONFORMING TO THE DIMENSIONS INDICATED ON THE LAYOUT DRAWINGS MUST BE PROVIDED. THE PIT MUST BE DESIGNED FOR THE IMPACT LOAD INDICATED AND
- MUST BE PROVIDED. THE PIT MUST BE DESIGNED FOR THE IMPACT LOAD INDICATED AND MUST BE GUARANTEED DRY AND LEVEL FROM WALL TO WALL. IF A MINIMUM OF 3'-6" CAN NOT BE ACHIEVED, CONTACT FACTORY FOR ALTERNATE ARRANGEMENT.

  7. A DRAIN OR SUMP PUMP WITH COVER IS RECOMMENDED IN THE ELEVATOR PIT AND IS REQUIRED TO REMOVE 3000 GAL/HR WHEN THE ELEVATOR IS PROVIDED WITH FIREFIGHTER'S EMERGENCY OPERATION. DRAINS AND PUMPS SHALL COMPLY WITH APPLICABLE PLUMBING AND ELECTRIC CODES. A SEPARATE SUMP PUMP RECEPTACLE AND AN OIL SEPARATOR OR ALARM SYSTEM SHALL BE FURNISHED WHEN REQUIRED. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR.

  8. A PIT LIGHT WITH SWITCH AND G.F.I. DUPLEX RECEPTACLE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR.

  9. ALI SCREENS RAILINGS STEPS AND LADDERS AS PROLIBED FOR LEGAL HOISTWAY.
- 9. ALL SCREENS, RAILINGS, STEPS, AND LADDERS AS REQUIRED FOR LEGAL HOISTWAY.
- 10. BARRICADES OUTSIDE ALL HOISTWAY OPENINGS FOR PROTECTION SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.

  11. A FIXED VERTICAL LADDER TO THE PIT FLOOR EXTENDING 3'-6" ABOVE THE LOWEST
- LANDING SHALL BE PROVIDED WHEN THE PIT DEPTH EXCEEDS 3'-0". LOCATION TO BE COORDINATED WITH ELEVATOR CONTRACTOR.

#### RAIL BRKT. SPACING CHART

BRKT. NO.	ELEV. FROM PIT FLOOR	PEDESTAL BRKT.	CYL. BRKT.	RAIL BRKT.	
8					
7					
6	25'-10"			> <	
5	21'-10"			> <	
4	17'-10"			$>\!\!<$	
3	13'-9"		$\mathbb{X}$		
2	9'-0"		·	> <	·
1	4'-4"	$>\!<$			

#### 8 LB/FT GUIDE RAILS REQ'D.

NO. OF PCS.	RAIL LENGTH
4	10'-0"
2	6'-5"

#### LANDING LOCATION CHART

MARKING	LANDING	FRONT	REAR	SIDE
2	2		$\times$	
*1	1	$\times$		

#### PIT REACTIONS

LOAD	ON	JACK	7340 LI	BS
LOAD	ON	BUFFERS	8300 LI	BS

#### 2 STOP HOISTWAY ELEVATION



PLUMSTEADVILLE, PA. 18949 PHONE: 215-766-3380 FAX: 215-766-3385

P.O. BOX 749

manufacturing company, inc.

ROPED HYDRAULIC LULA ELEVATOR

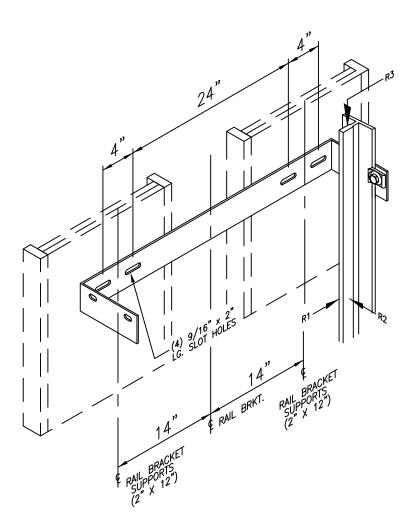
5191 STUMP RD.

AMERICAN HOME ELEVATOR CO., INC. PROJECT: HYATT BUILDING PRELIMINARY DATE: APPROVED BY FINAL DATE: 2-20-18 3-22-18 DRAWN BY: C.Z. DRAWING NUMBER: REV. #: SCALE: N.T.S. AMER-18261 1 PLAN NUMBER: 2 STOP ELEVATION

## GENERAL NOTES AND PROVISIONS REQUIRED BY OTHERS

# **FINAL**

- ADEQUATE SUPPORTS MUST BE PROVIDED FOR FASTENING RAIL BRACKETS AS INDICATED ON THE LAYOUT DRAWINGS. SUPPORTS MUST WITHSTAND RAIL FORCES INDICATED.
- 2. WHERE WOOD FRAME CONSTRUCTION IS USED, DOUBLE 2" X 12" SPACED AS INDICATED ON LAYOUT DRAWINGS, AND EXTENDING THE FULL HEIGHT OF THE HOISTWAY ARE RECOMMENDED.
- FOR MASONRY WALLS, INSERTS SHALL BE PROVIDED BY ELEVATOR CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.



### **RAIL FORCES**

R1	130	LBS
R2	480	LBS
R3	6030	LBS

## **RAIL BRACKET**



P.O. BOX 749 5191 STUMP RD. PLUMSTEADVILLE, PA. 18949 PHONE: 215-766-3380 FAX: 215-766-3385

ROPED HYDRAULIC LULA ELEVATOR

AMERICAN HOME ELEVATOR CO., INC. PROJECT: HYATT BUILDING

PRELIMINARY DATE: APPROVED BY

PLAN NUMBER: Rail brkts.

2-20-18 DRAWN BY: C.Z.

SCALE: N.T.S.

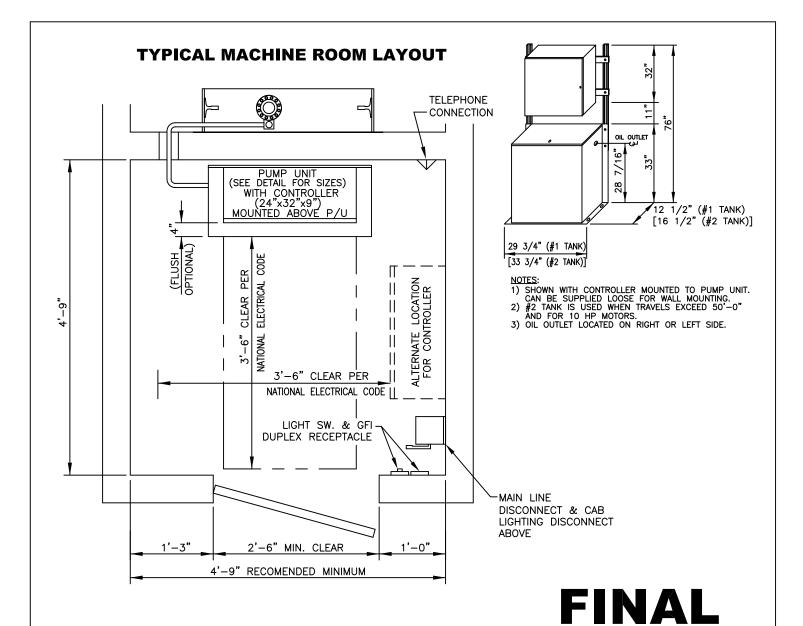
REV. #:

DRAWING NUMBER: AMER-18261

FINAL DATE:

3-22-18

NOTE:
RAIL BRACKET AND PEDESTAL
BASE MOUNTING HARDWARE IS
TO BE FURNISHED BY
ELEVATOR CONTRACTOR



## GENERAL NOTES AND PROVISIONS REQUIRED BY OTHERS

- 1. AN ADJACENT MACHINE ROOM BUILT TO CONFORM TO THE LAYOUT DRAWINGS, N.E.C., ASME A17.1, AND ALL STATE OR LOCAL CODE REQUIREMENTS. IT SHALL HAVE SUITABLE ACCESS, A LOCKABLE DOOR, A CONVENIENCE OUTLET, AND LIGHT SWITCH. MACHINE ROOM TEMPERATURE MUST BE MAINTAINED BETWEEN 60 AND 100 DEGREES FAHRENHEIT. RELATIVE HUMIDITY NOT TO EXCEED 95%.
- 2. A 220V, SINGLE PHASE, 60 AMP SERVICE WITH NEUTRAL TO A LOCKABLE SAFETY DISCONNECT SWITCH, FUSED WITH TIME DELAY FUSES SHALL BE FURNISHED IN THE MACHINE ROOM IN ACCORDANCE WITH N.E.C. A NORMALLY OPEN ELECTRIC INTERLOCK CONTACT IS REQUIRED IN THE SWITCH FOR BATTERY ISOLATION.

  SOURCE FOR SINGLE PHASE HEAVY DUTY SWITCHES (OR EQUAL): SQUARE "D" CAT#H222N ELECTRIC INTERLOCK EK-300-1; ITE CAT.#SN-322 ELECTRIC INTERLOCK #SC-5.

  CUTLER HAMMER CAT. #DH222NGK ELECTRIC INTERLOCK #DS200EK1.
- 3. A 120V AC, SINGLE PHASE, 15 AMP. SERVICE TO A LOCKABLE FUSED DISCONNECT SWITCH, OR CIRCUIT BREAKER LOCATED IN THE MACHINE ROOM SHALL BE PROVIDED FOR THE CAB LIGHTING IN ACCORDANCE WITH N.E.C.
- A TELEPHONE LINE TO THE MACHINE ROOM AND TIED INTO THE ELEVATOR CONTROLLER AS PER ASME A17.1 CODE.
- 5. MACHINE ROOM VENTS IF REQUIRED BY LOCAL CODE.
- KNOCK-OUT IN WALLS BETWEEN THE MACHINE ROOM AND ELEVATOR HOISTWAY FOR ROUTING HYDRAULIC AND ELECTRICAL LINES SHALL BE COORDINATED WITH ELEVATOR CONTRACTOR.

ASME A17.1, RULE 3.19.3.3.1

FLEXIBLE HOSE AND FITTING ASSEMBLIES SHALL NOT BE INSTALLED WITHIN THE HOISTWAY NOR PROJECT INTO OR THROUGH ANY WALL.

PIPE MATERIAL AND ASSOCIATED FITTINGS SHALL COMPLY WITH ASME A17.1, SECTION 3.19 AND SHALL BE FURNISHED BY THE ELEVATOR CONTRACTOR.

## **MACHINE ROOM**

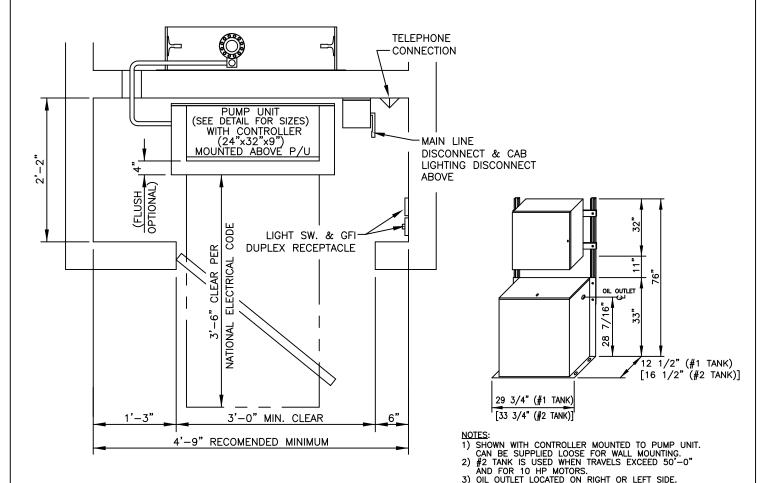


P.O. BOX 749 5191 STUMP RD. PLUMSTEADVILLE, PA. 18949 PHONE: 215-766-3380 FAX: 215-766-3385

ROPED HYDRAULIC LULA ELEVATOR

AMERICAN HOME EI	_EVATOR CO., INC	<b>).</b>					
PROJECT: HYATT BUILDING							
PRELIMINARY DATE:	APPROVED BY				FINA	L DATE:	
2-20-18					3-	22-18	
DRAWN BY: C.Z.		REV.	#:	DRAWI	NG I	NUMBER	::
SCALE: N.T.S.				AMER-18261			
PLAN NUMBER: Machine rooms							

#### ALTERNATE MACHINE ROOM LAYOUT



# FINAL

## GENERAL NOTES AND PROVISIONS REQUIRED BY OTHERS

- 1. AN ADJACENT MACHINE ROOM BUILT TO CONFORM TO THE LAYOUT DRAWINGS, N.E.C., ASME A17.1, AND ALL STATE OR LOCAL CODE REQUIREMENTS. IT SHALL HAVE SUITABLE ACCESS, A LOCKABLE DOOR, A CONVENIENCE OUTLET, AND LIGHT SWITCH. MACHINE ROOM TEMPERATURE MUST BE MAINTAINED BETWEEN 60 AND 100 DEGREES FAHRENHEIT. RELATIVE HUMIDITY NOT TO EXCEED 95%.
- 2. A 220V, SINGLE PHASE, 60 AMP SERVICE WITH NEUTRAL TO A LOCKABLE SAFETY DISCONNECT SWITCH, FUSED WITH TIME DELAY FUSES SHALL BE FURNISHED IN THE MACHINE ROOM IN ACCORDANCE WITH N.E.C. A NORMALLY OPEN ELECTRIC INTERLOCK CONTACT IS REQUIRED IN THE SWITCH FOR BATTERY ISOLATION.

  SOURCE FOR SINGLE PHASE HEAVY DUTY SWITCHES (OR EQUAL): SQUARE "D" CAT#H222N ELECTRIC INTERLOCK EK-300-1; ITE CAT.#SN-322 ELECTRIC INTERLOCK #SC-5.

  CUTLER HAMMER CAT. #0H222NGK ELECTRIC INTERLOCK #DS200EK1.
- 3. A 120V AC, SINGLE PHASE, 15 AMP. SERVICE TO A LOCKABLE FUSED DISCONNECT SWITCH, OR CIRCUIT BREAKER LOCATED IN THE MACHINE ROOM SHALL BE PROVIDED FOR THE CAB LIGHTING IN ACCORDANCE WITH N.E.C.
- A TELEPHONE LINE TO THE MACHINE ROOM AND TIED INTO THE ELEVATOR CONTROLLER AS PER ASME A17.1 CODE.
- 5. MACHINE ROOM VENTS IF REQUIRED BY LOCAL CODE.
- KNOCK-OUT IN WALLS BETWEEN THE MACHINE ROOM AND ELEVATOR HOISTWAY FOR ROUTING HYDRAULIC AND ELECTRICAL LINES SHALL BE COORDINATED WITH ELEVATOR CONTRACTOR.

ASME A17.1, RULE 3.19.3.3.1

FLEXIBLE HOSE AND FITTING ASSEMBLIES SHALL NOT BE INSTALLED WITHIN THE HOISTWAY NOR PROJECT INTO OR THROUGH ANY WALL.

PIPE MATERIAL AND ASSOCIATED FITTINGS SHALL COMPLY WITH ASME A17.1, SECTION 3.19 AND SHALL BE FURNISHED BY THE ELEVATOR CONTRACTOR.

## **MACHINE ROOM**



P.O. BOX 749 5191 STUMP RD. PLUMSTEADVILLE, PA. 18949 PHONE: 215-766-3380 FAX: 215-766-3385

ROPED HYDRAULIC LULA ELEVATOR

AMERICAN HOME ELEVATOR CO., INC.						
PROJECT: HYATT BUILDING						
PRELIMINARY DATE: APPROVED BY 2-20-18					3	AL DATE: -22-18
DRAWN BY: C.Z.			#:	DRAWI	NG	NUMBER:
SCALE: N.T.S.				AMER-18261		
PLAN NUMBER: Machine rooms						