

ORDER REFERENCE

PROJECT: UC601 CABLE DRUM 500 LB.
TYPICAL LAYOUT

PLEASE REFER TO PAGE 7
OF THE PLANNING GUIDE FOR
ADDITIONAL SIZING OPTIONS

500 LB. WINDING DRUM
OFFERS A MAXIMUM OF:
6 STOPS
50'-0" OF TRAVEL
12 SQ. FT. CAB SIZE

TYPICAL DRAWING
NOT TO BE USED FOR CONSTRUCTION

SPECIFICATIONS

DRIVE: UC601 CABLE DRUM

CAPACITY: 500#

MANUFACTURED TO MEET:
ASME A17.1 – 2016

LANDINGS: 3

IT IS THE RESPONSIBILITY OF THE INSTALLER OF THE UNIT
TO SATISFY ASME, NEC, STATE, AND LOCAL BUILDING CODES

CODE(S): 3 (INCLINATOR LAYOUT DESIGN)

SPEED: AT 28 F.P.M. ±2


SUSPENSION (2) STEEL WIRE ROPES 5,400#

MEANS: BREAKING STRENGTH $\phi 1/4 - 8 \times 19$ IWRC

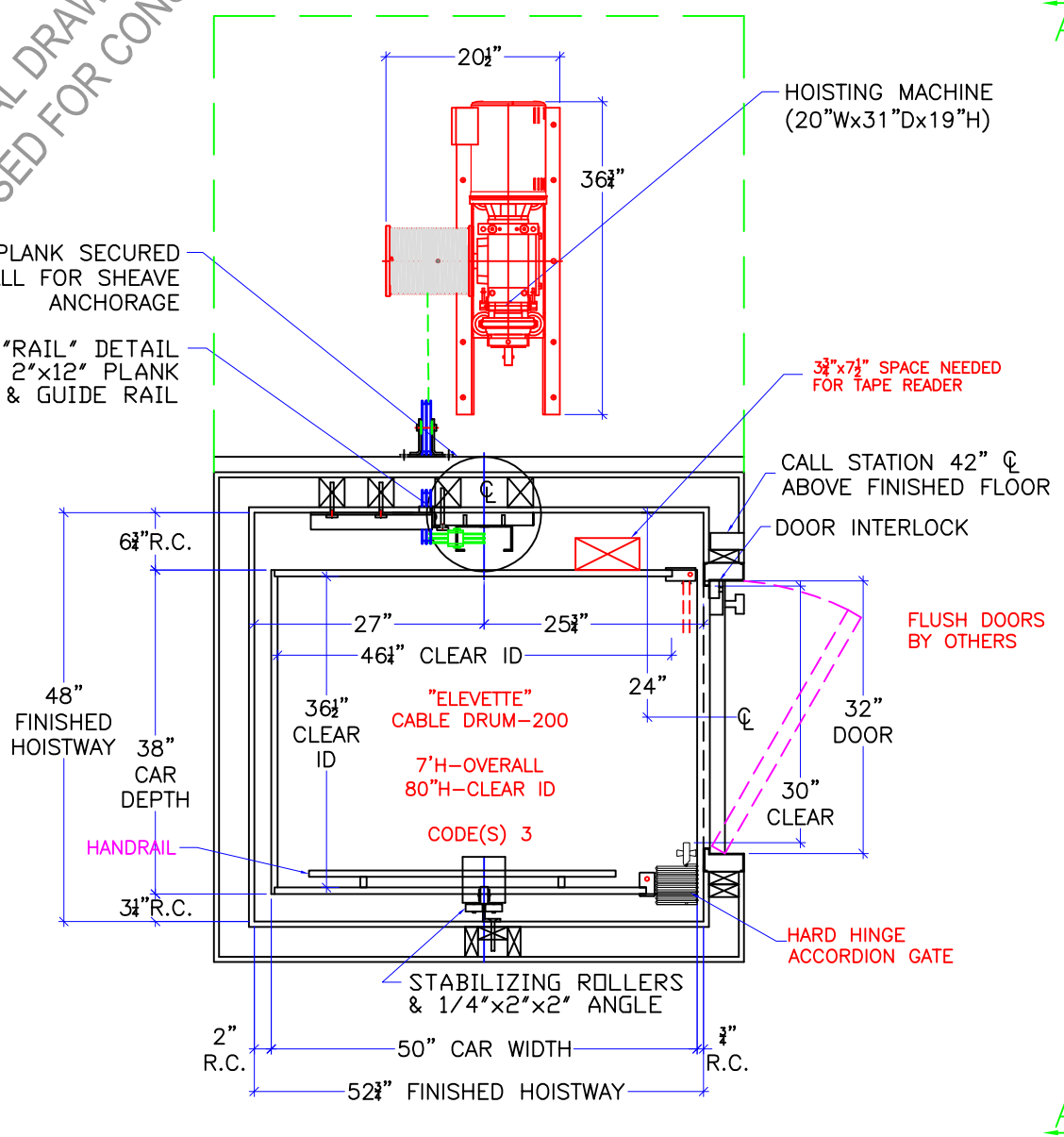
CAR CONSTRUCTION: 3/4" HARDWOOD VENEER

NOTE: ALL MANUFACTURER SUPPLIED CAR AND EQUIPMENT OPTIONS ARE
NOTED ON THE CONFIRMING ORDER SHEET.

DISCLAIMER: ONCE DRAWINGS HAVE BEEN APPROVED,
SIGNED AND WITHIN 5 DAYS OF PRODUCTION, THE
CUSTOMER WILL BEAR ALL RESPONSIBILITY AND LIABILITY
OF FINISHED UNIT.

| | | |
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| DWG VIEW | PART NUMBER | REV. DATE |
| COVER SHEET | 80205322 | 11/21/19 |
|  | DRAWING TITLE | DRAWING NO. |
| | TYPICAL UC601 WD 500LB | TYP-WD500-013 |
| PAGE: 1/5 | DRAWN BY: S THOMAS | REV. LEVEL (1-3) A |
| DWG. DATE 3/2017 | JOB OR APP.# - | DEALER P.O.# - |
| SCALE 1:24 | | |

NOT TO BE USED FOR CONSTRUCTION
TYPICAL DRAWING

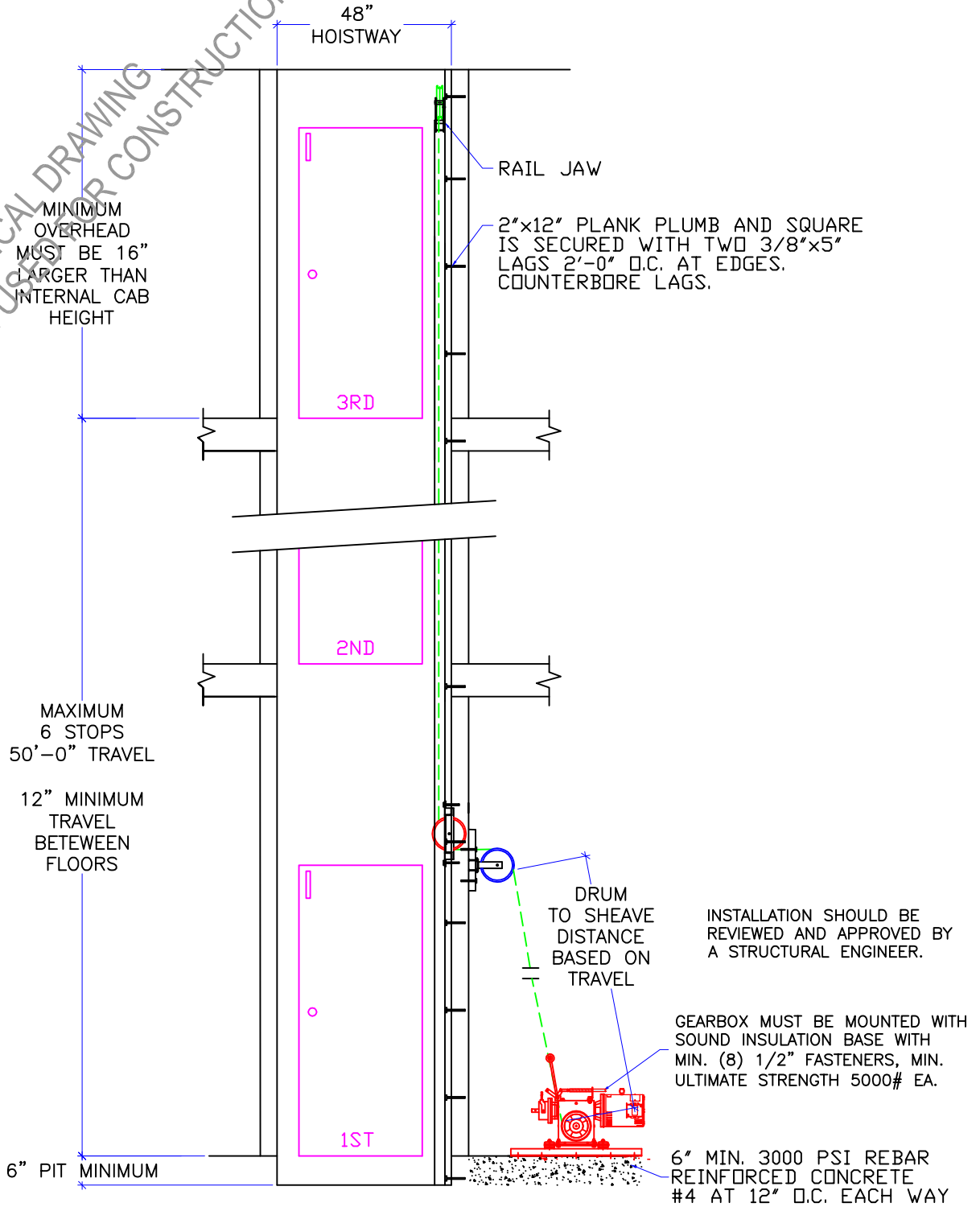


NOTE:
ALL HOISTWAY CONSTRUCTION MUST COMPLY WITH NATIONAL, STATE, AND LOCAL CODES. HOISTWAY MUST BE PLUMB AND STRAIGHT FROM TOP TO BOTTOM WITH NO PROJECTIONS INTO THE HOISTWAY.

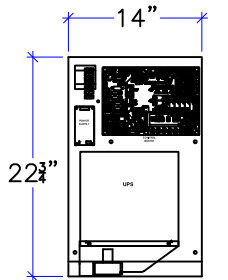
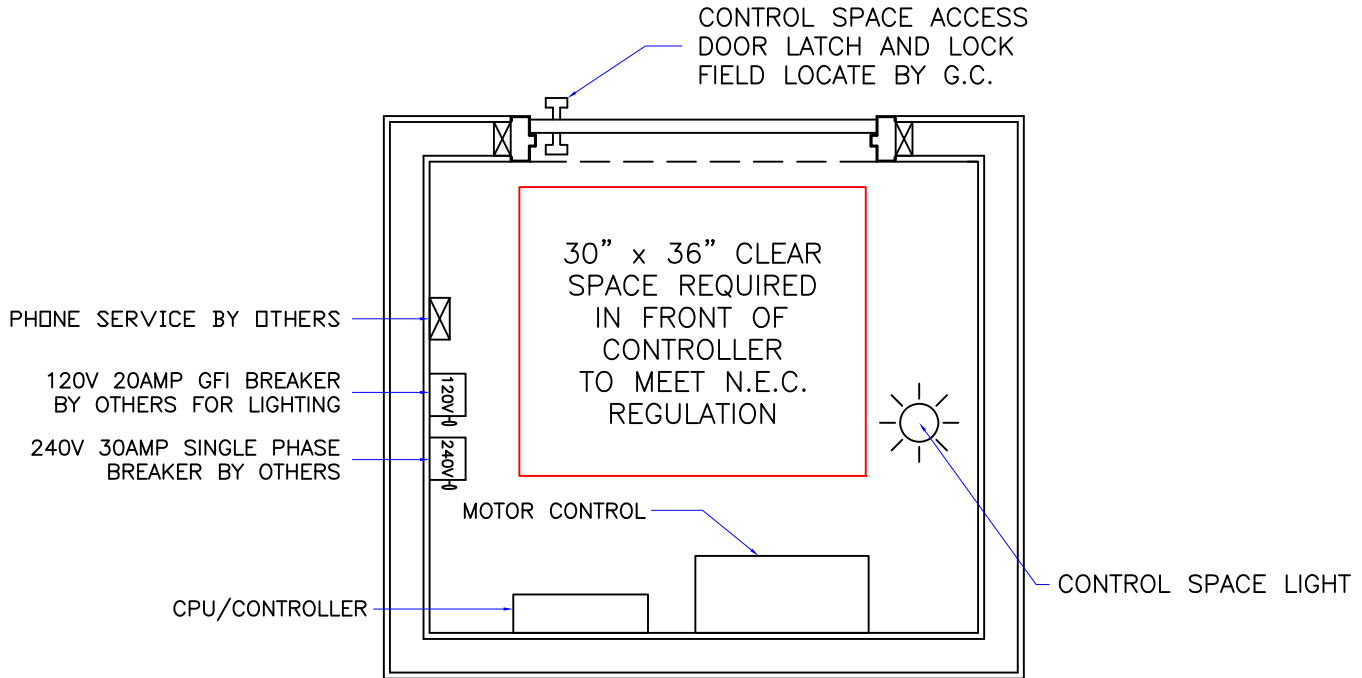
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| DWG VIEW | | PART NUMBER | | REV. DATE | | |
| HOISTWAY LAYOUT | | 80205322 | | 11/21/19 | | |
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| TYPICAL UC601 WD 500LB | | TYP-WD500-013 | | - | | |
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| 2/5 | S THOMAS | 3/2017 | - | - | 1:24 | A |



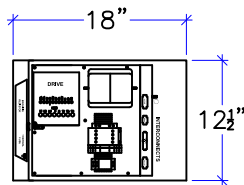
NOT TO BE USED FOR CONSTRUCTION
 TYPICAL DRAWING



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| DWG VIEW | | SECTION A-A | | PART NUMBER | | REV. DATE | |
| INCLINATOR COMPANY OF AMERICA HARRISBURG, PA | | DRAWING TITLE | | 80205322 | | 11/21/19 | |
| | | TYPICAL UC601 WD 500LB | | DRAWING NO. | | - | |
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| 3/5 | | S THOMAS | | - | | A | |
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| | | JOB OR APP.# | | DWG. SCALE | | | |
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CPU ENCLOSURE
(14"W x 22 3/4"H x 4"D)



MOTOR CONTROL ENCLOSURE
(18"W x 12 1/2"H x 8"D)

CONTROLLER SPACE:

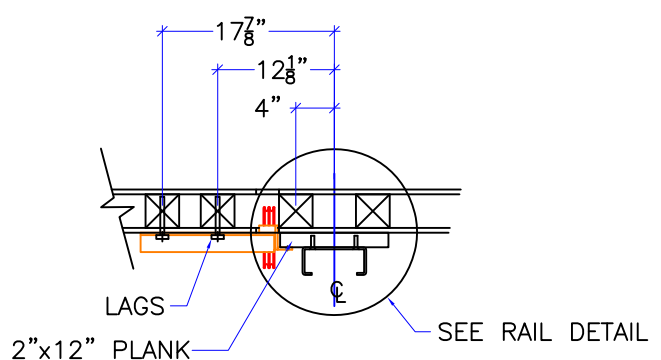
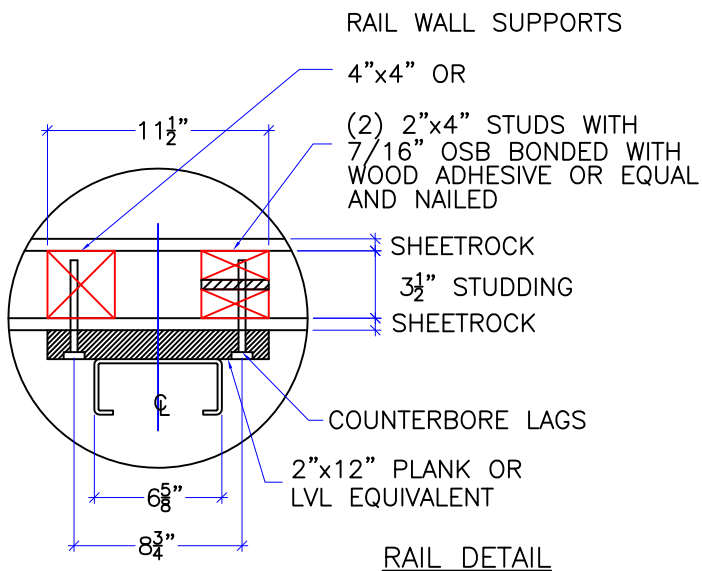
- 1: THE CPU AND MOTOR CONTROL ENCLOSURE SHOULD BE LOCATED IN THE SAME LOCATION. THE RECOMMENDED WIRING DISTANCE FROM THE CPU AND MOTOR CONTROL ENCLOSURE TO THE MOTOR TO BE 10'. LONGER MOTOR CABLES UP TO 50' ARE AVAILABLE. CONSULT WITH INCLINATOR WHEN ORDERING.
- 2: CONTROLLER SHOULD BE MOUNTED IN A TEMPERATURE CONTROLLED ENVIRONMENT BETWEEN 40°F TO 120°F (4°C - 49°C).
- 3: CPU AND MOTOR CONTROL ENCLOSURE SHOULD NOT BE EXPOSED TO OUTDOOR ELEMENTS.
- 4: N.E.C. REGULATIONS REQUIRE A MINIMUM OF 30" WIDE x 36" DEEP x 6'-6" HIGH CLEAR UNOBSTRUCTED SPACE IN FRONT OF CONTROLLER.
5. MACHINE ROOM TO HAVE NATURAL/MECHANICAL VENTILATION IF REQUIRED BY STATE OR LOCAL CODES.
6. MACHINE ROOM LAYOUT MUST COMPLY WITH LOCAL, STATE, AND NATIONAL CODES.

NOTICE TO ELECTRICAL CONTRACTOR:

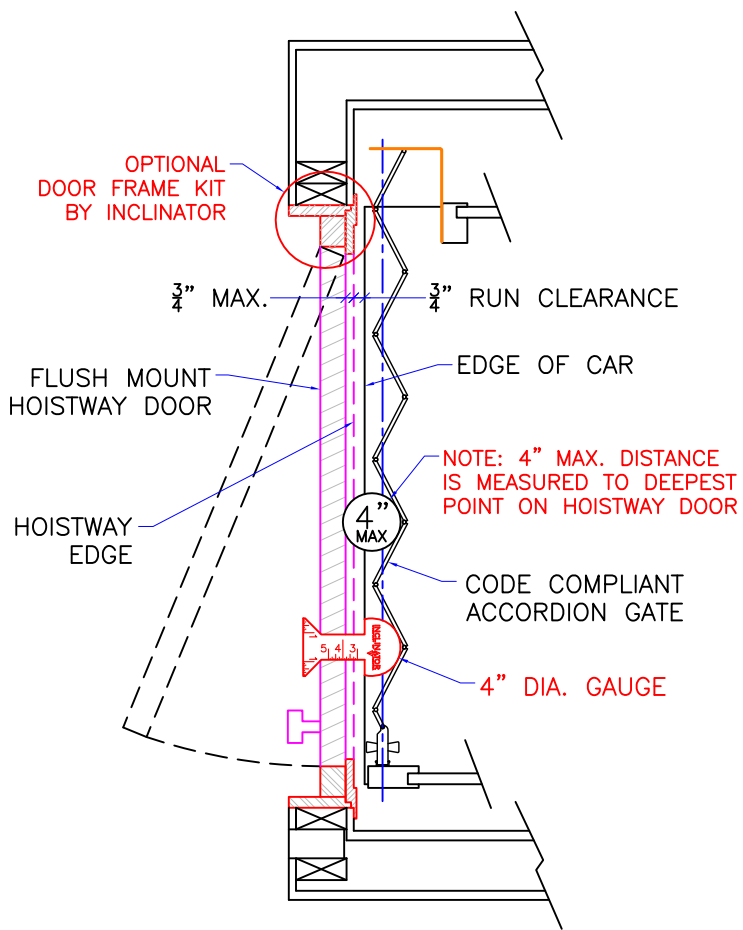
- ALL ELECTRICAL WIRING MUST BE DONE BY A JOURNEYMAN MECHANIC AND MUST MEET ALL NATIONAL, STATE, AND LOCAL CODES.
- BRING (2) #10 W/GND FROM RESIDENCE INCOMING POWER PANEL 30AMP BREAKER (240V, & GROUND) TO THE CONTROLLER SPACE.
- BRING (2) #12 W/GND FROM RESIDENCE INCOMING POWER PANEL 20AMP GFI BREAKER (120V, NEUTRAL, GROUND) TO THE MACHINE ROOM.
- REQUIRED LOW VOLTAGE WIRING IS SUPPLIED BY MANUFACTURER. ALL EXTENSIONS ADDITIONS, ETC. SHALL BE DONE WITH THE SAME SIZE AND TYPE OF WIRE AS ORIGINALLY SUPPLIED BY THE MANUFACTURER.
- A TELEPHONE LINE SHALL BE SUPPLIED TO THE CONTROLLER SPACE AND SHALL BE CONNECTED TO A 24 HOUR CENTRAL EXCHANGE.
- ALL MEANS FOR ACCESS TO EQUIPMENT SHALL BE PROVIDED WITH A LOCK. ALL SHAFT DOORS MUST BE INTERLOCKED.

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| DWG VIEW | | | | PART NUMBER | | REV. DATE | |
| CONTROLLER SPACE REQUIREMENTS | | | | 80205322 | | - | |
| DRAWING TITLE | | | | DRAWING NO. | | - | |
| TYPICAL UC601 WD 500LB | | | | TYP-WD | | - | |
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| 4/5 | S THOMAS | 3/2017 | - | - | 1:24 | - | |



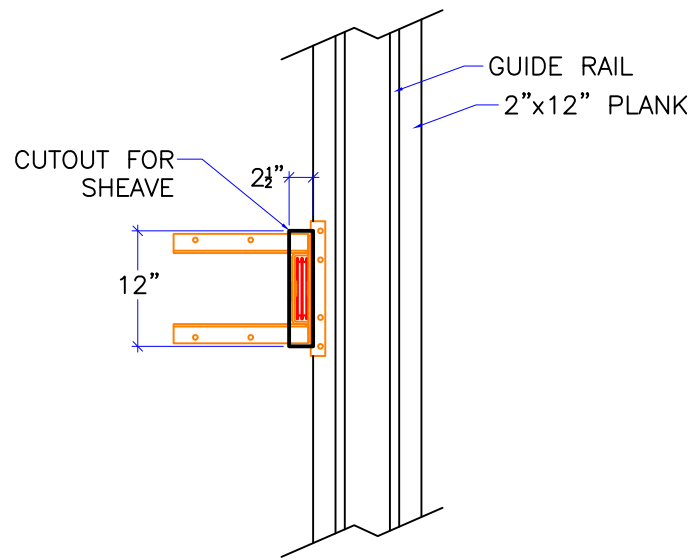


STUD LOCATION FOR THRU THE WALL SHEAVES (IF APPLICABLE)



DOOR FRAME DETAILS

REF: ASME 17.1-2016 5.3.1.4.2, 5.3.1.7.2, & 5.3.1.8.3



CUTOUT DETAIL (IF APPLICABLE)

1. REACTIONS ON ALL SHEAVES AND MOUNTINGS:
STATIC = 1,100 LBS.
IMPACT = 2,200 LBS.
2. FASTENING OF HOISTING MACHINE TO CONCRETE FLOOR:
MIN. (8) 1/2" ANCHORS, MIN. ULTIMATE STRENGTH OF 5000# EA.
3. RAIL FASTENING TO 2"x12" PLANK:
#14 x 1 3/4" TYPE A S.M.S. RAIL IS PRE-DRILLED AT FACTORY.
4. BOLT FASTENING OF CAR TO TROLLEY -
1/2" - 13 x 4" SOCKET HD CAP SCREWS.
5. ALL SHEAVE PITCH DIA. 5 3/4".

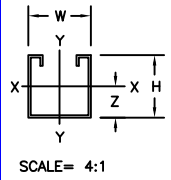
TECHNICAL DATA

| | | | | | | |
|------------------------|-----------|-------------|--------------|--------------|------------|-----------------|
| DWG VIEW | | PART NUMBER | | REV. DATE | | |
| DETAILS, DATA, CODES | | 80205322 | | - | | |
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| TYPICAL UC601 WD 500LB | | TYP-WD | | - | | |
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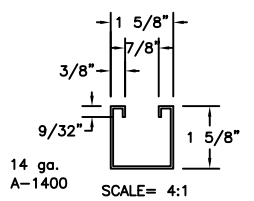
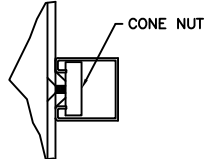


| SECTION | | X - X AXIS | | | | Y - Y AXIS | | | | | |
|----------------|------|------------|-------|------|------------------|------------------|------------------|------|------------------|------------------|------|
| MEMBER | WT. | HT. | W | A | I | S | r | Z | I | S | r |
| | | lbs./ft. | in. | in. | in. ² | in. ⁴ | in. ³ | in. | in. ⁴ | in. ³ | in. |
| SINGLE CHANNEL | | | | | | | | | | | |
| A-1400 | 1.40 | 1.625 | 1.625 | .401 | .134 | .146 | .577 | .707 | .184 | .226 | .677 |

| LOAD RATINGS FOR 3/8-16 STRUT NUTS USED IN SUPERSTRUT CHANNELS | | |
|--|----------------------|------------------------|
| CHANNEL NO. | SLIP RESISTANCE LBS. | PULL OUT STRENGTH LBS. |
| A - 1400 | 1000 | 2000 |

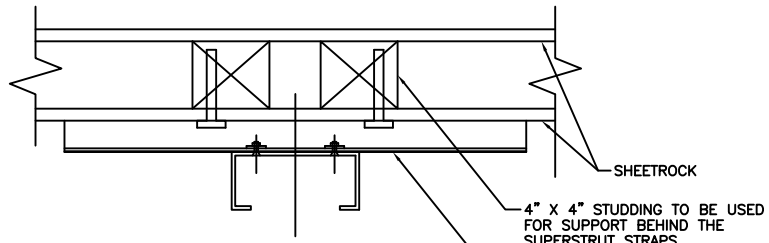


NOMINAL THICKNESS (INCHES)
 14 GA = .075
 I - MOMENT OF INERTIA
 S - SECTION MODULUS
 r - RADIUS OF GYRATION
 Z - NEUTRAL AXIS
 A - AREA

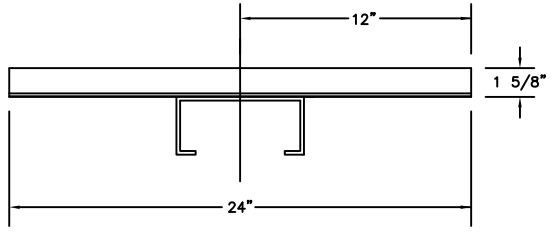


SECTION C-C
SCALE= 4:1

SUPERSTRUT DETAIL

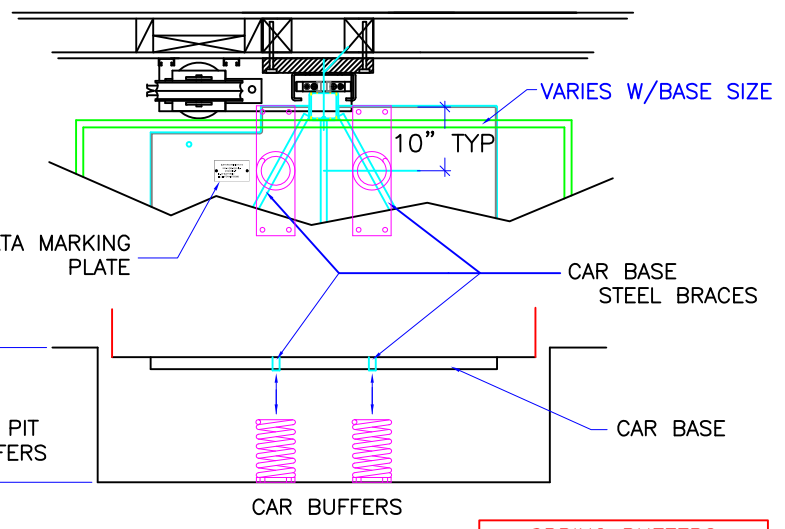
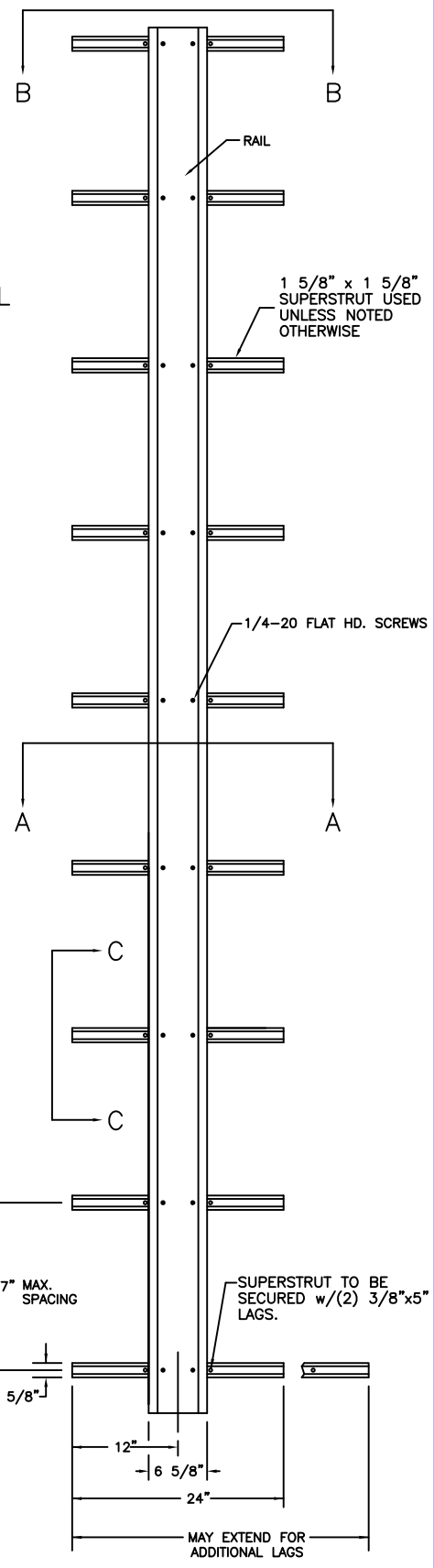


SECTION B-B
SCALE= 2:1



SECTION A-A
SCALE= 2:1

MOUNTING TO CONCRETE

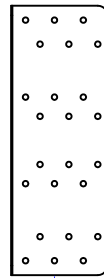
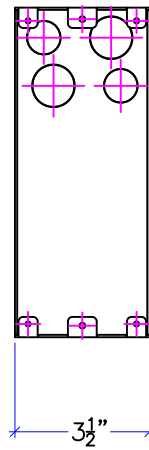
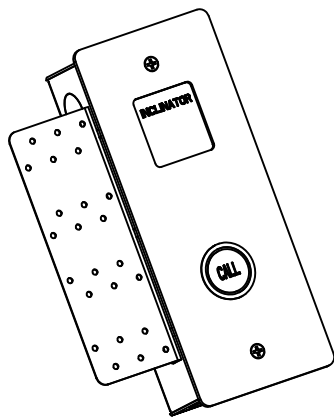


BUFFER OPTION
 MANDATORY WHEN OCCUPIABLE SPACE BELOW ELEVATOR

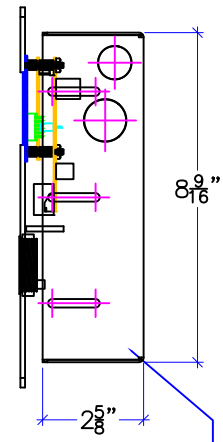
SPRING BUFFERS
 SPRING WILL DEPRESS 1" AT 373 LBS.
 (MANUFACTURERS SPECIFICATION)

| | | | | | | | |
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| DWG VIEW | | | | PART NUMBER | | REV. DATE | |
| OPTIONS | | | | 80205322 | | - | |
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| TYPICAL UC601 WD 500LB | | | | TYP-WD | | - | |
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| AUX 1 | S THOMAS | 3/2017 | - | - | 1:24 | - | |



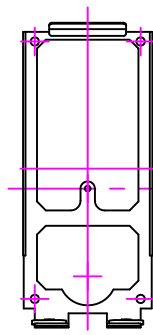
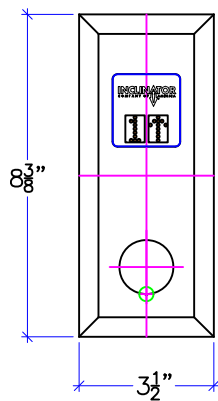
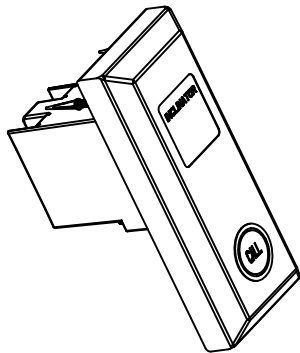


NAIL PLATE
MOUNTING
BRACKET
PROVIDED BY
INCLINATOR

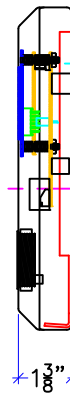


HALL CALL MOUNTING
BOX PROVIDED BY
INCLINATOR

FLUSH MOUNT HALL CALL STATION



WALL BRACKET
PROVIDED BY
INCLINATOR



SINGLE GANG
MOUNT ELECTRICAL
BOX BY OTHERS

THIS HOLE USED
TO LOCATE BRACKET
OVER GANG BOX

RAISED MOUNT HALL CALL STATION

DWG VIEW

CALL STATIONS

PART NUMBER

80205322

REV. DATE

DRAWING TITLE

DRAWING NO.

TYPICAL UC601 WD 500LB

TYP-WD

INCLINATOR
COMPANY OF AMERICA
HARRISBURG, PA

PAGE:
AUX 2

DRAWN BY:
S THOMAS

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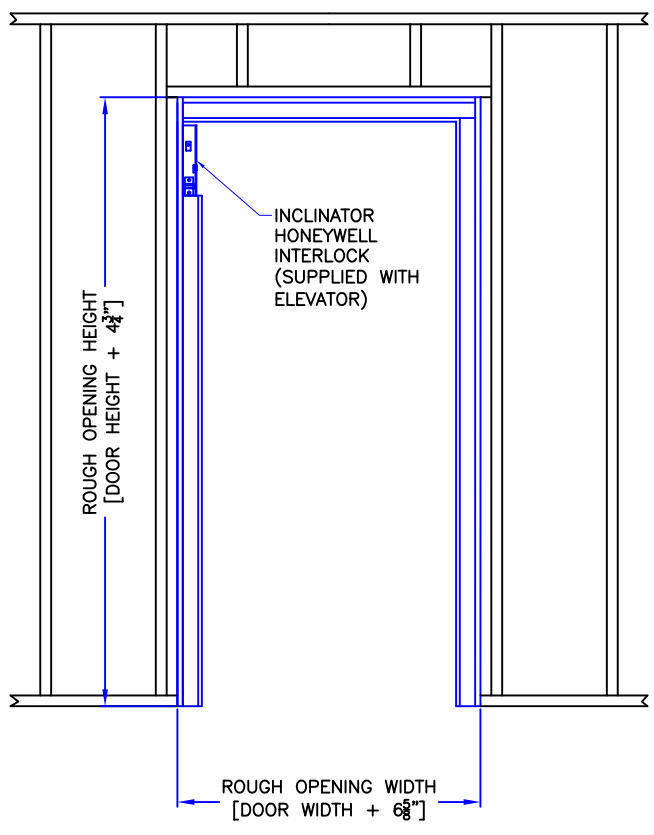
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DWG. SCALE
1:24

REV. LEVEL(1-3)
-



DOOR FRAME DETAIL
 STANDARD 2x4 CONSTRUCTION WITH
 1/2" DRYWALL (INSIDE & OUTSIDE OF HOISTWAY)



HALLWAY VIEW



HOISTWAY VIEW

| | | | | | | |
|------------------------|-----------|-------------|--------------|--------------|------------|-----------------|
| DWG VIEW | | PART NUMBER | | REV. DATE | | |
| DOOR FRAME KITS | | 80205322 | | - | | |
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| TYPICAL UC601 WD 500LB | | 21211403 | | - | | |
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