



REVISIONS

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Contractor shall check and verify all dimensions and conditions at job site.

PROJECT NUMBER

14041

DATE

01 JUL 14

DRAWN

CBW

CHECKED

RCH

SHEET TITLE

GENERAL CONSTRUCTION FLOOR PLANS

SHEET NUMBER

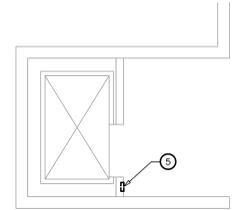
G1

LEGEND

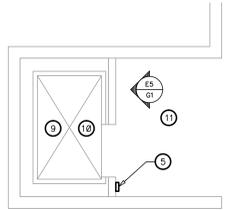
- 2HR FIRE WALL
- EXISTING
- NEW WORK
- DOOR NUMBER, SEE DOOR SCHEDULE.
- WALL TYPE
- FIRE EXTINGUISHER - 10# 18A:60B:C WITH WALL MOUNT HANGER.

GENERAL CONSTRUCTION KEYNOTES

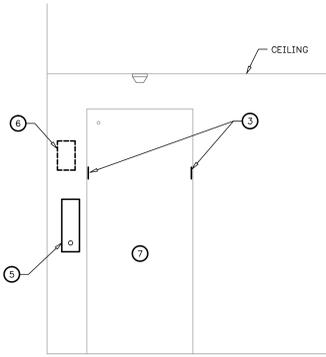
- 1 PROVIDE NEW ELEVATOR PIT LADDER THAT IS READILY ACCESSIBLE FROM THE SAME SIDE OF THE HOISTWAY AS THE DOOR ACCESS KEY, AND IS WITHIN 36" HORIZONTALLY FROM THE MEANS TO UNLOCK DOORS. LADDER TO EXTEND FROM THE ELEVATOR PIT FLOOR UP TO 48" ABOVE THE LANDING SILL, BE A MINIMUM OF 12" WIDE WITH RUNGS 12" O.C., STANDOFF A MINIMUM OF 4-1/2" FROM ANY OBSTRUCTION, CONSTRUCTED AS FOLLOWS: VERTICAL RAILS - 2"x2"x3/4" SOLID FLAT STEEL; RUNGS - 3/4" ROUND SOLID STEEL; RUNGS WITH NON-SLIP TOP SURFACE, LET INTO VERTICAL RAILS AND WELDED; STEEL ANGLE SUPPORTS - 2 1/2"x3/8" BENT STEEL PLATE STRAP ANGLE, LENGTH AS REQUIRED, WELDED TO VERTICAL RAILS, 6" O.C. ANCHOR TO MASONRY WALLS WITH 3/4"x24" HELIX KWIK BOLT 12" EXPANSION BOLTS.
- 2 PROVIDE A 10#ABC DRY CHEMICAL FIRE EXTINGUISHER WITH WALL HOOK AT 36" AFF.
- 3 REMOVE THE EXISTING TACTILE CHARACTERS ON HOISTWAY ENTRANCE JAMBS, USE BODY FILLER TO PATCH HOLES. PROVIDE NEW ANSI A117.1-1998 COMPLIANT SIGNAGE ON BOTH JAMBS, 2" RAISED TACTILE CHARACTER, GRADE 2 BRAILLE, STAINLESS STEEL CONSTRUCTION, EMECO 89-series OR ENGINEER APPROVED EQUAL. TACTILE STAR REQUIRED FOR MAIN ENTRY LEVEL, MECHANICALLY ATTACH CHARACTERS, (STICK-ON PLATES ARE NOT ACCEPTABLE). BASELINE OF CHARACTERS SHALL BE 60" AFF CENTERED IN EACH JAMB. PROVIDE A TACTILE SIGN MATCHING THE ABOVE INDICATING THE ELEVATOR CAR IDENTIFICATION, ELEV #4, IMMEDIATELY BELOW THE HOISTWAY FLOOR DESIGNATION.
- 4 PROVIDE AN ELEVATOR STOP SWITCH ACCESSIBLE FROM FIRST FLOOR LANDING, BY ELEVATOR CONTRACTOR.
- 5 REMOVE THE EXISTING ELEVATOR CALL BUTTONS & PROVIDE NEW ELEVATOR CALL BUTTONS. PROVIDE ADA COMPLIANT, SURFACE MOUNTED STAINLESS STEEL HALL STATION WITH SILK SCREENED SIGNAGE THAT READS "IN CASE OF FIRE ELEVATORS ARE OUT OF SERVICE - USE STAIRS" MOUNT "UP" CALL BUTTON 44" AFF, CONCEAL ALL OLD SURFACE WITH NEW CALL STATION/STORAGE. PROVIDE A FIREMAN'S EMERGENCY SWITCH INTEGRAL TO HALL CALL STATION ON THE FIRST FLOOR.
- 6 REMOVE EXISTING SIGNAGE. PREP AND PAINT WALL FROM EDGE TO EDGE.
- 7 PREP & PAINT ELEVATOR ENTRANCE JAMBS/HEAD, SAND/PREP FRAMES FOR A SMOOTH FINISH. SEE SECTION 09900. POLISH STAINLESS STEEL HOISTWAY DOORS.
- 8 REMOVE THE EXISTING CEILING MOUNTED CAR DIRECTIONAL LANTERNS AND PROVIDE A NEW ADA COMPLIANT AUDIBLE & VISUAL SIGNALS WHICH INDICATE THE DIRECTION OF TRAVEL. AUDIBLE SIGNAL SHALL SOUND ONCE FOR "UP" AND TWICE FOR "DOWN". IN CAR CALL LANTERN SHALL BE VISIBLE FROM ELEVATOR LOBBY WHEN CAR DOORS ARE OPENED.
- 9 ELEVATOR HOISTWAY AND PIT SHALL BE CLEANED FROM TOP TO BOTTOM. CONTACT VACUUM ALL SURFACES WITH HEPA VAC TO REMOVE & CAPTURE DUST & DEBRIS.
- 10 FIRESTOP ALL NEW AND EXISTING PENETRATIONS IN 2HR HOISTWAY AND ELEVATOR EQUIPMENT ROOM. FIELD VERIFY REQUIREMENTS PRIOR TO BIDDING.
- 11 PAINT ELEVATOR LOBBY WALLS EDGE TO EDGE. MATCH ADJACENT FINISHES.



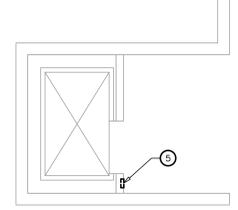
THIRD FLOOR DEMOLITION PLAN
1/4" = 1'-0"



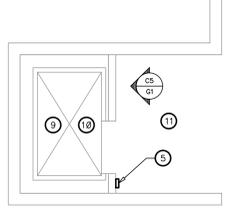
THIRD FLOOR PLAN
1/4" = 1'-0"



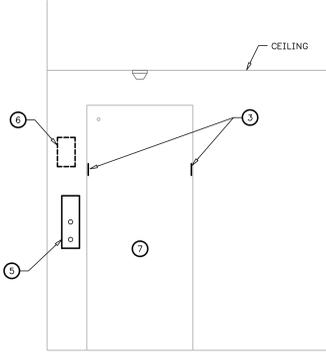
ELEVATOR #4 LOBBY - THIRD FLOOR
1/2" = 1'-0"



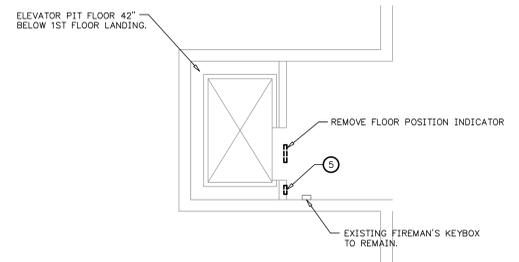
SECOND FLOOR DEMOLITION PLAN
1/4" = 1'-0"



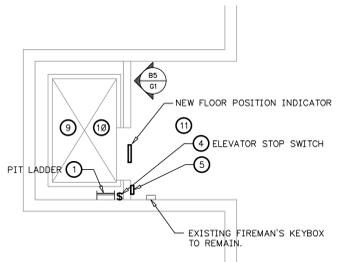
SECOND FLOOR PLAN
1/4" = 1'-0"



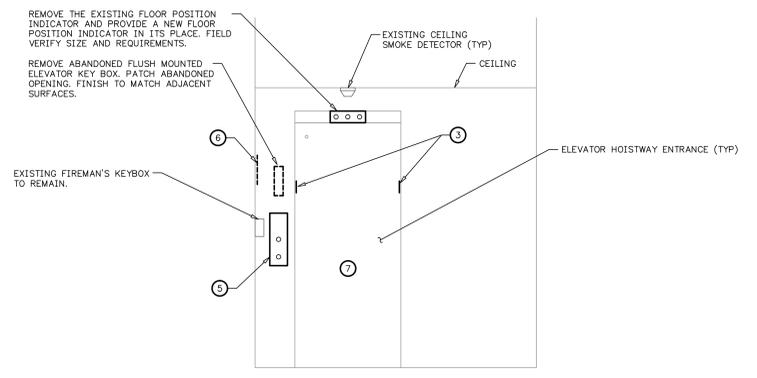
ELEVATOR #4 LOBBY - SECOND FLOOR
1/2" = 1'-0"



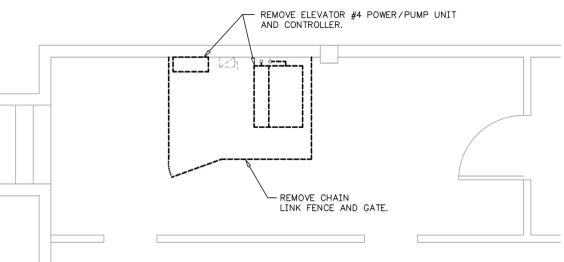
FIRST FLOOR DEMOLITION PLAN
1/4" = 1'-0"



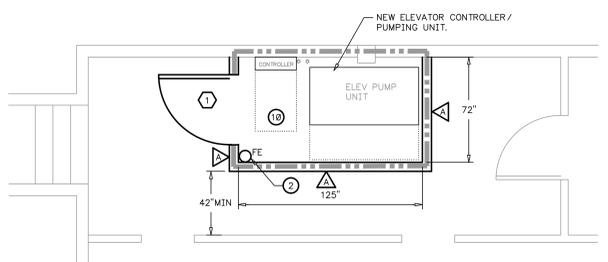
FIRST FLOOR PLAN
1/4" = 1'-0"



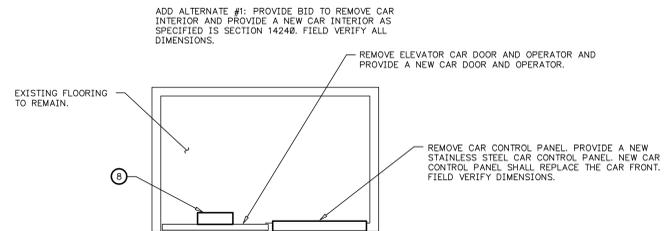
ELEVATOR #4 LOBBY - FIRST FLOOR
1/2" = 1'-0"



BASEMENT DEMOLITION FLOOR PLAN
1/4" = 1'-0"



BASEMENT FLOOR PLAN
1/4" = 1'-0"



ELEVATOR #4 CAR INTERIOR
1/2" = 1'-0"

INDEX OF DRAWINGS

- G1 GENERAL CONSTRUCTION FLOOR PLANS
- G2 DETAILS
- ME1 MECHANICAL / ELECTRICAL FLOOR PLANS
- ME2 DETAILS

E

D

C

B

A

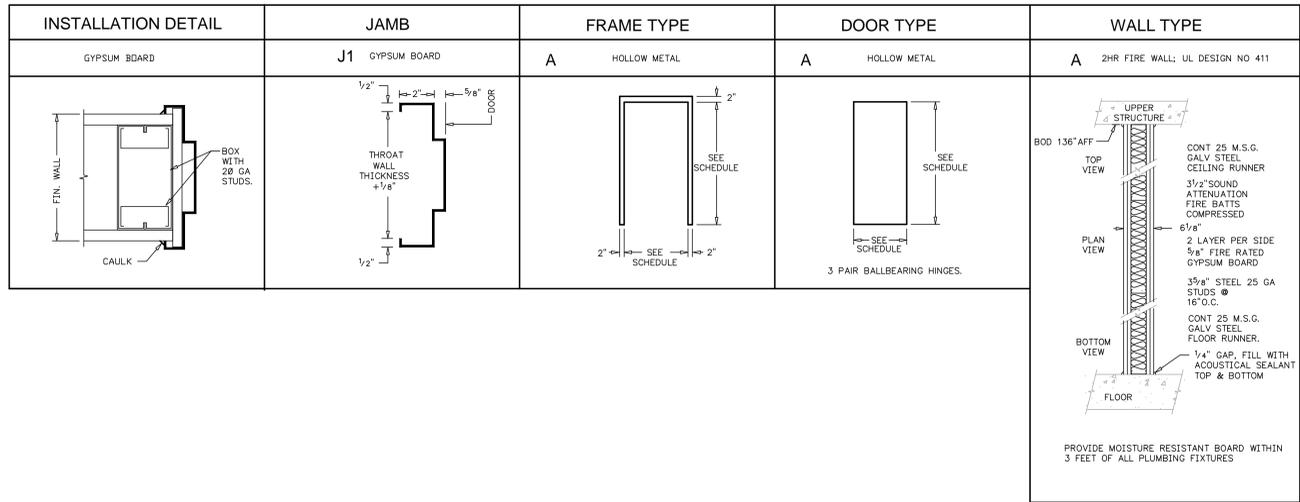
E

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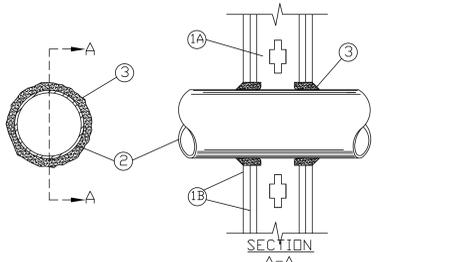
DOOR SCHEDULE

DOOR NO.	DOOR				FRAME			REMARKS		
	SIZE	MATERIAL	TYPE	CLOSER	LABEL	MATERIAL	JAMB/HEAD DETAIL			
1	3'-6"	7'-0"	1 1/2"	HM	A	y	90 MIN	HM	J1	1,2,3,4

REMARKS: FIELD VERIFY ALL EXISTING CONDITIONS. PROVIDE HEAVY DUTY HARDWARE.

- PROVIDE NEW ADA COMPLIANT COMMERCIAL GRADE LEVERS, OUTSIDE LEVER OPERABLE & ALWAYS LOCKED, INSIDE LEVER OPERABLE & ALWAYS UNLOCKED, KNOBLING REQUIRED ON LEVER STANDARD.
- MATCH STANDARD CYLINDER & PROVIDE KEYING AS DIRECTED BY OWNER TO MATCH OWNER STANDARD.
- PROVIDE NEW FIRE RATED LEVER LOCKSET & CLOSER.
- PROVIDE MEDICO LOCK BOX & KEY ON DOOR.

System No. W-L-1001
June 15, 2005
F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings - 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient - less than 1 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft



1. Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs - Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* - Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 2 1/2 in. (64 mm).

2. Through Penetrant - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe - Nom 4 in. (101 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe - Nom 2 1/2 in. (64 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.

D. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type 1 (or heavier) copper tubing.

E. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

F. Through Penetrating Product** - Flexible Metal Piping. The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

TITEXLEX CORP
A BUNDY CO

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG INC

3. Fill Void or Cavity Material* - Caulk or Sealant - Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table.

The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

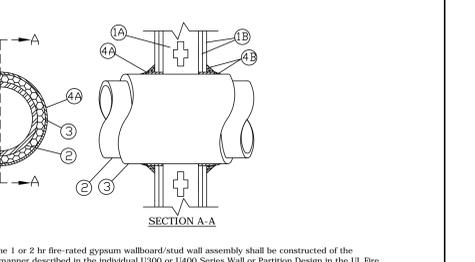
Max Pipe or Conduit Diam (mm)	F Rating	T Rating
1 (25)	1 or 2	0, 1 or 2
4 (102)	3 or 4	3 or 4
6 (152)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

*When copper pipe is used, T Rating is 0 hr.

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

*Bearing the UL Classification Marking

System No. W-L-5001
May 19, 2005
Formerly System No. 147
F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 3/4, 1 and 1-1/2 Hr (See Item 3)
L Rating At Ambient - 2 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft



1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* - Nom 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls and 18 in. (457 mm) for steel stud walls.

The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.

2. Through Penetrants - One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Copper Tubing - Nom 8 in. (152 mm) diam (or smaller) Type 1 (or heavier) copper tubing.

C. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Pipe Covering* - Nom 1 in. or 2 in. (25 mm or 51 mm) thick hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints sealed with metal fasteners or with butt strip tape supplied with the product. When nom 1 in. (25 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum wallboard layers on each side of the wall shall be min 1/4 in. to max 3/8 in. (6 mm to max 10 mm). When nom 2 in. (51 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum wallboard layers on each side of the wall shall be min 1/2 in. to max 3/4 in. (13 mm to max 19 mm).

See Pipe and Equipment Covering - Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is 3/4 hr when nom 1 in. (25 mm) thick pipe covering is used. The hourly F Rating of the firestop system is 1 hr and 1-1/2 hr when nom 2 in. (51 mm) thick pipe covering is used with 1 hr and 2 hr fire rated walls, respectively.

4. Firestop System - Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows:

A. Fill Void or Cavity Materials* - Wrap Strip - Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (flat side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slit into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required where nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required where nom 2 in. (51 mm) thick pipe covering is used.

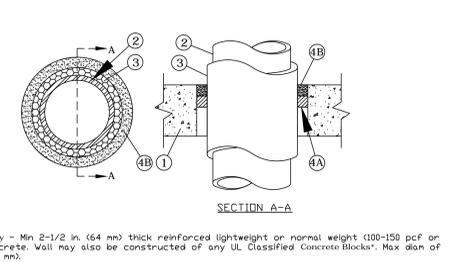
3M COMPANY - FS-195-

B. Fill Void or Cavity Materials* - Caulk or Sealant - Min 1/4 in. (6 mm) diam continuous bead applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.

3M COMPANY - CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

System No. C-AJ-5001
June 15, 2005
Formerly System No. 91
F Ratings - 1-1/2, 2 and 3 Hr (See Item 4)
T Ratings - 0, 1/2, 3/4 and 1 Hr (See Items 1A and 4)
L Rating At Ambient - 2 CFM per sq ft
L Rating At 400 F - less than 1 CFM per sq ft



1. Floor or Wall Assembly - Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks. Max diam of opening is 18 in. (457 mm).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1A. Steel Sleeve (Optional, not shown) - Nom 10 in. (254 mm) (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall.

T Rating is 0 Hr when sleeve is used.

2. Through Penetrant - Nom 4 in. (102 mm) diam (or smaller) Type 1 (or heavier) copper pipe, nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe or nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe centered in the opening and rigidly supported on both sides of the floor or wall assembly.

3. Pipe Covering* - Nom 1/2 in. to 2 in. (13 mm to 51 mm) thick hollow cylindrical heavy density (min 35 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product.

See Pipe and Equipment Covering - Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System - The details of the firestop system shall be as follows:

A. Packing Material - Min 1 in. (25 mm) thickness of firmly packed mineral wool batt insulation used as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item B).

B. Fill Void or Cavity Material* - Caulk or Sealant - Applied to fill the annular space flush with the top surface of the floor or sleeve or flush with both surfaces of wall. When non pipe covering thickness is 2 in. (51 mm), min thickness of caulk fill material is 2 in. (51 mm). When non pipe covering thickness is 1-1/2 in. (38 mm) or less, min thickness of caulk fill material is 1 in. (25 mm).

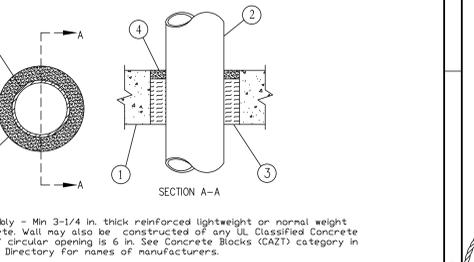
The hourly F and T Ratings of the firestop system are dependent upon the thickness of the floor or wall, the size of pipe, the thickness of pipe covering material and the size of the annular space (between the pipe covering material and the edge of the circular through opening), as shown in the following table:

Min Floor or Wall Thkns in. (mm)	Max Pipe Diam in. (mm)	Nom Pipe Covering Thkns in. (mm)	Annular Space in. (mm)	F Rating	T Rating
2-1/2 (64)	4 (102)	1 or 1-1/2 (25 or 38)	1/2 to 2-3/8 (13 to 60)	2	1
4-1/2 (114)	4 (102)	2 (51)	1/4 to 3-5/8 (6 to 92)	2	1-1/2
2-1/2 (64)	12 (305)	1 (25)	1/2 to 1-1/2 (13 to 38)	2	1/2
4-1/2 (114)	12 (305)	1 (25)	1/2 to 2-3/8 (13 to 60)	3	1
2-1/2 (64)	12 (305)	1 1/2 (38)	1/2 to 2-3/8 (13 to 60)	2	0

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

*Bearing the UL Classification Marking

System No. C-AJ-1014
(FORMERLY SYSTEM NO. 133)
F RATING-2 HR
T RATING-0 HR
L RATING AT AMBIENT-LESS THAN 1 CFM/sq ft (SEE ITEM 4)
L RATING AT 400 F-LESS THAN 1 CFM/sq ft (SEE ITEM 4)



1. Floor or Wall Assembly - Min 3-1/4 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks. Max diam of circular opening is 6 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants - One metallic pipe or conduit to be centered within the firestop system. A non annular space of 3/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:

A. Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Conduit - Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

3. Packing Material - Min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as well as require to accommodate the required thickness of fill material. Min thickness of packing material in floors and walls to be 2-3/4 in. and 2-1/4 in., respectively.

4. Fill Void or Cavity Material* - Sealant - Min 1/2 in. thickness of fill material applied within annulus, flush with top surface of floor or with both surfaces of wall. As an alternate, the permanent forming material (Item 3) may be omitted if the fill material thickness is increased to a min 1-1/2 in.

MINNESOTAMINING MFG CO - Types FB-2000 or FB-2000+.
(Note: L Ratings apply only when FB-2000+ is used.)
*Bearing the UL Classification Marking

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NUMBER: 14041
DATE: 01 JUL 14
DRAWN: CBW
CHECKED: RCH
SHEET TITLE: DETAILS
SHEET NUMBER: G2





REVISIONS

PROJECT NUMBER
14041

DATE
01 JUL 14

DRAWN
CBW

CHECKED
RCH

SHEET TITLE
MECHANICAL / ELECTRICAL FLOOR PLANS

SHEET NUMBER

ME1

LEGEND

- 1HR FIRE WALL
- REMOVE EXISTING
- EXISTING TO REMAIN
- NEW WORK
- HOMERUN TO PANELBOARD
- RACEWAY CONCEALED IN WALLS, CEILINGS OR FLOORS.
- EXPOSED RACEWAY
- SPST WALL SWITCH, 120V/277VAC, 20A, EQUAL TO BRYANT #4521-1.
- n = DS = DISCONNECT SWITCH WITH PADLOCK HASP.
- 120VAC, 20A, NEMA 5-20R DUPLEX SPECIFICATION GRADE STRAIGHT BLADE RECEPTACLES. NOTES INDICATE ALTERNATE RATINGS AND/OR MOUNTING HEIGHTS.
- MOUNT WITH GROUND PIN UP.
- ELEVATION AFF. AC=ABOVE COUNTER
- WEATHER PROOF IN-USE COVER.
- ISOLATED GROUND TYPE WITH ORANGE INDICATOR
- INTEGRAL GROUND FAULT PROTECTION OR ON GROUND FAULT PROTECTED CIRCUIT.
- CIRCUIT NUMBER
- AC - ABOVE COUNTER
- FUSED DISCONNECT SWITCH, 3-POLE, HEAVY DUTY, NEMA-1 ENCLOSURE INDOORS, NEMA-3R ENCLOSURE OUTDOORS, VARIATIONS AS NOTED, EQUAL TO SQUARE "D" CLASS 3110 (250VAC FOR 120, 208, & 240VAC APPLICATIONS 600VAC FOR 277, 480VAC APPLICATIONS). FUSE IN ACCORDANCE WITH MANUFACTURER'S NAMEPLATE.
- JUNCTION BOX
- MOTOR CONNECTION
- CEILING MOUNTED SMOKE DETECTOR.
- C/B CIRCUIT BREAKER
- D/S DISCONNECT SWITCH
- CW COLD WATER
- FD FIRE DAMPER
- FDS FUSED DISCONNECT SWITCH
- NFDS NON-FUSED DISCONNECT SWITCH
- WTAG WALL TRANSFER AIR GRILL
- UNO UNLESS NOTED OTHERWISE
- COLUMBIA #CS4-232-EU-CSW4G, 4' HEAVY STRIP FIXTURE, BAKED WHITE ENAMEL FINISH, TWO F32T8/SP35 LAMPS, WIRE GUARD, ELECTRONIC BALLAST 0° STARTING TEMP., 120VAC, MOUNT BOTTOM OF FIXTURE, TIGHT TO BOTTOM OF CONCRETE DECK, UNO, ADJUST LOCATION WHERE OTHER WORK CONFLICTS WITH FIXTURE LOCATION.
- COLUMBIA #LUN4-232-EU, INDOOR FIXTURE, NON-METALLIC HOUSING, FULLY GASKETED, WET LOCATING, ONE PIECE IMPACT RESISTANT, ACRYLIC DIFFUSER, TWO F32T8/SP35 LAMPS, ELECTRONIC BALLAST, 120V/277VAC.
- DUALITE #E2-2, WALL MOUNTED SELF-POWERED EMERGENCY LIGHTING FIXTURE, 120/277VAC, TWIN HEADS, THERMAL PROTECTION, WHITE FINISH, TWO 5.4W 6V CLARE FREE ADJUSTABLE LAMPS, MAINTENANCE FREE BATTERY AND BATTERY CHARGER, 90 MINUTE MINIMUM RATING PER NFPA 70 ARTICLE 708-12(F), MANUAL TEST SWITCH & AC ON LAMP, DAMP LOCATION LISTED & RATED FOR 32°F-104°F TEMP. CONNECT TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT SERVES THE SAME AREA WHERE FIXTURE IS LOCATED. 8 AFF.

SEE FIRESTOP DETAILS ON SHEETS 02.

ELECTRICAL KEYNOTES

- 1 PROVIDE A NEW 20A, 120V/1P CIRCUIT TO FEED THE ELEVATOR CAR (VENTILATION FAN & LIGHTS). PROVIDE A 120V/1P, 20A FDS FUSED AT 20A, WITH PAD LOCK HASP AND 2412#25, 1/2" C TO ELEVATOR CONTROLLER.
- 2 REUSE EXISTING FIRE ALARM RELAYS AND INTERLOCK WITH ELEVATOR. ALTERNATE FLOOR & EQUIPMENT RM ALARM FLASH FIREMAN'S HAT.
- 3 PROVIDE A 20A, 120V/1P CIRCUIT TO POWER ELEVATOR PIT LIGHTING, SUMP PUMP RECEPTACLE AND OFT RECEPTACLE. ELEVATOR PIT LIGHT AND SUMP PUMP RECEPTACLE SHALL NOT BE CONNECTED ON THE LOAD SIDE OF THE OFT RECEPTACLE. MOUNT LIGHT FIXTURE SUCH THAT ELEVATOR CAR OR COUNTERWEIGHT WILL NOT STRIKE IT WHEN ON FULLY COMPRESSED BUFFER.
- 4 REMOVE ABANDONED SMOKE AND HEAT DETECTORS THIS AREA THAT ARE NOT OPERATIONAL.
- 5 REMOVE THE EXISTING 2" C RACEWAY AND ELEVATOR CONTROL CABLING. 2" C MAY BE REUSED IF EXISTING CONDUCTORS CAN BE REMOVED AND THE EXISTING 2" C IS OF ADEQUATE SIZE FOR NEW CONTROL CABLING. OTHERWISE PROVIDE A NEW RACEWAY FOR ELEVATOR CONTROLS SIZED AS REQUIRED. FIELD VERIFY RACEWAY PATH AND LENGTH.
- 6 ELEVATOR #4 CAR LIGHTING, PROVIDE 120V/1P, 30A LIGHT DUTY FUSED D/S WITH PADLOCK HASP, 20A TIME DELAY FUSES, EQUAL TO SQUARE "D" #L221N.

FIRE ALARM SEQUENCE OF OPERATION

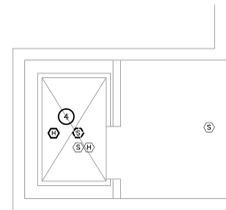
PROVIDE INTERLOCK BETWEEN FIRE ALARM SYSTEM AND ELEVATOR CONTROLLER TO PERFORM ELEVATOR RECALL DESCRIBED BELOW. FIRE SERVICE KEY SWITCH SHALL OVERRIDE ELEVATOR RECALL FUNCTIONS.

FIRE ALARM SHALL TRANSMIT 3 SIGNALS TO ELEVATOR CONTROLLER.

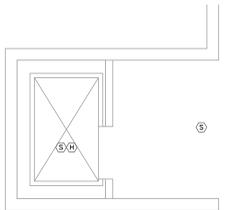
SIGNAL #1 - ELEVATOR LOBBY SMOKE DETECTOR IN ALARM, INITIATE ELEVATOR RECALL & SEND ELEVATOR CAR TO LOBBY LEVEL.

SIGNAL #2 - ELEVATOR LOBBY SMOKE DETECTOR ON LOBBY LEVEL IN ALARM, INITIATE ELEVATOR RECALL & SEND ELEVATOR CAR TO ALTERNATE LEVEL, 2ND FLOOR. VERIFY ALTERNATE FLOOR REQUIREMENTS WITH MFPB.

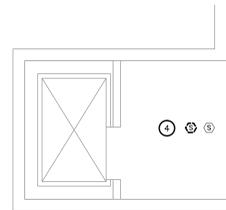
SIGNAL #3 - ELEVATOR EQUIPMENT ROOM SMOKE DETECTOR IN ALARM, INITIATE ELEVATOR RECALL. ELEVATOR CONTROLLER TO FLASH SIGNAL IN ELEVATOR CARS.



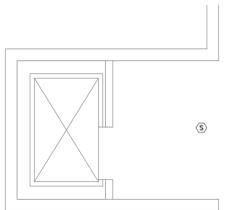
THIRD FLOOR DEMOLITION PLAN
1/4" = 1'-0"



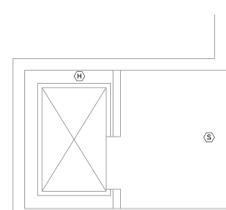
THIRD FLOOR PLAN
1/4" = 1'-0"



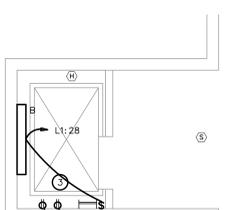
SECOND FLOOR DEMOLITION PLAN
1/4" = 1'-0"



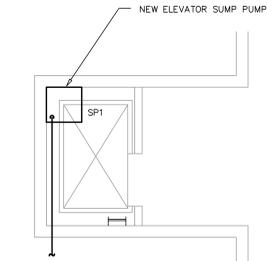
SECOND FLOOR PLAN
1/4" = 1'-0"



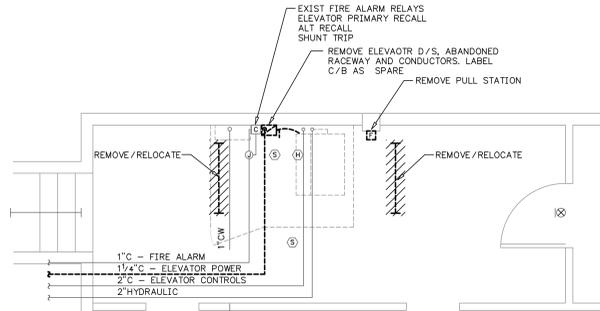
FIRST FLOOR DEMOLITION PLAN
1/4" = 1'-0"



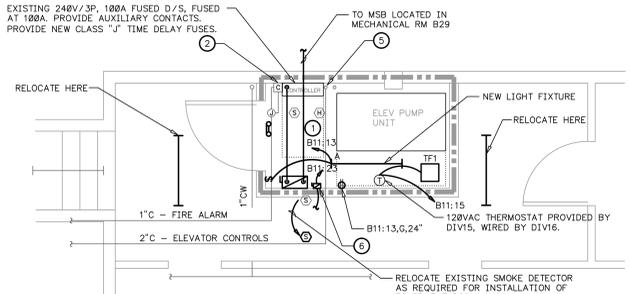
FIRST FLOOR PLAN
1/4" = 1'-0"



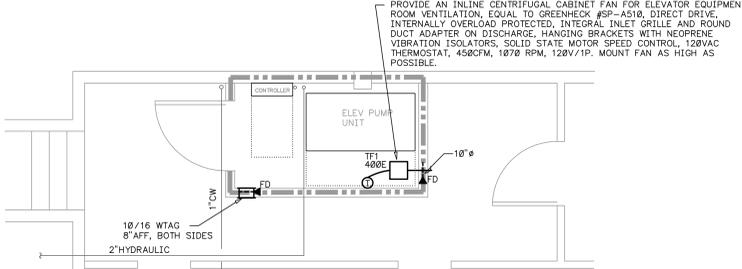
FIRST FLOOR MECHANICAL PLAN
1/4" = 1'-0"



BASEMENT DEMOLITION FLOOR PLAN
1/4" = 1'-0"



BASEMENT FLOOR PLAN
1/4" = 1'-0"



BASEMENT FLOOR MECHANICAL PLAN
1/4" = 1'-0"

COORDINATE LOCATION OF FIXTURE WITH DIV14. INSTALL FIXTURE TO PREVENT INTERFERENCE WITH ELEVATOR.

L1: 28, W, 48" SUMP PUMP
L1: 28, G, W, 24"

PNL "L1"
NOTE: REMOVE EXISTING SPARE 15/1P C/B AND PROVIDE A NEW 20A, 120V/1P C/B TO POWER ELEVATOR PIT LIGHTING AND RECEPTACLES.

EXISTING 240V/3P, 100A FUSED D/S, FUSED AT 100A. PROVIDE AUXILIARY CONTACTS. PROVIDE NEW CLASS "J" TIME DELAY FUSES.

TO MSB LOCATED IN MECHANICAL RM B29

120VAC THERMOSTAT PROVIDED BY DIV15, WIRED BY DIV16.

NOTE: PANEL B11 IS LOCATED IN TEL/COM ROOM APPROX. 100' TO THE EAST OF ELEVATOR EQUIPMENT ROOM. REUSE EXISTING SPARE 20A/1P C/B TO POWER NEW CIRCUITS.

PROVIDE AN INLINE CENTRIFUGAL CABINET FAN FOR ELEVATOR EQUIPMENT ROOM VENTILATION, EQUAL TO GREENEOK #SP-4510, DIRECT DRIVE, INTERNALLY OVERLOAD PROTECTED, INTEGRAL INLET GRILLE AND ROUND DUCT ADAPTER ON DISCHARGE, HANGING BRACKETS WITH NEOPRENE VIBRATION ISOLATORS, SOLID STATE MOTOR SPEED CONTROL, 120VAC THERMOSTAT, 450CFM, 1070 RPM, 120V/1P. MOUNT FAN AS HIGH AS POSSIBLE.



REVISIONS

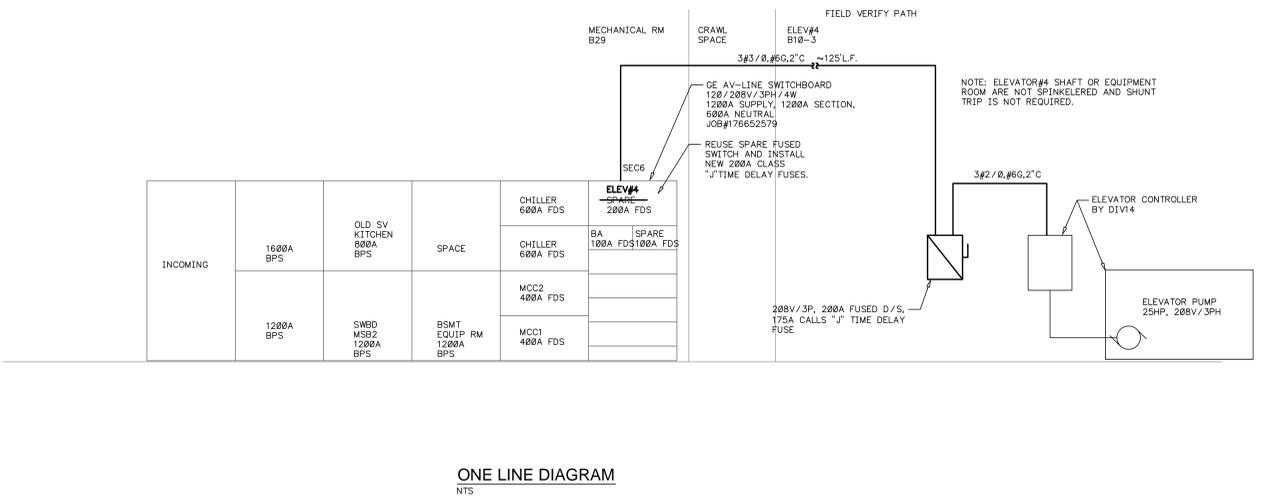
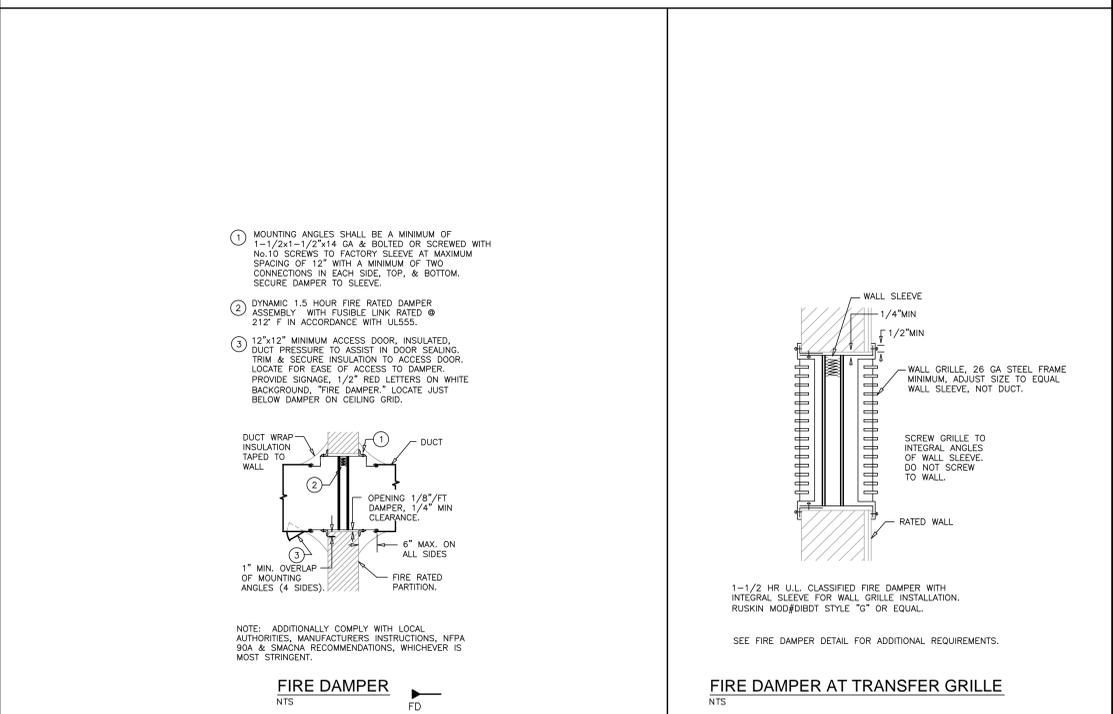
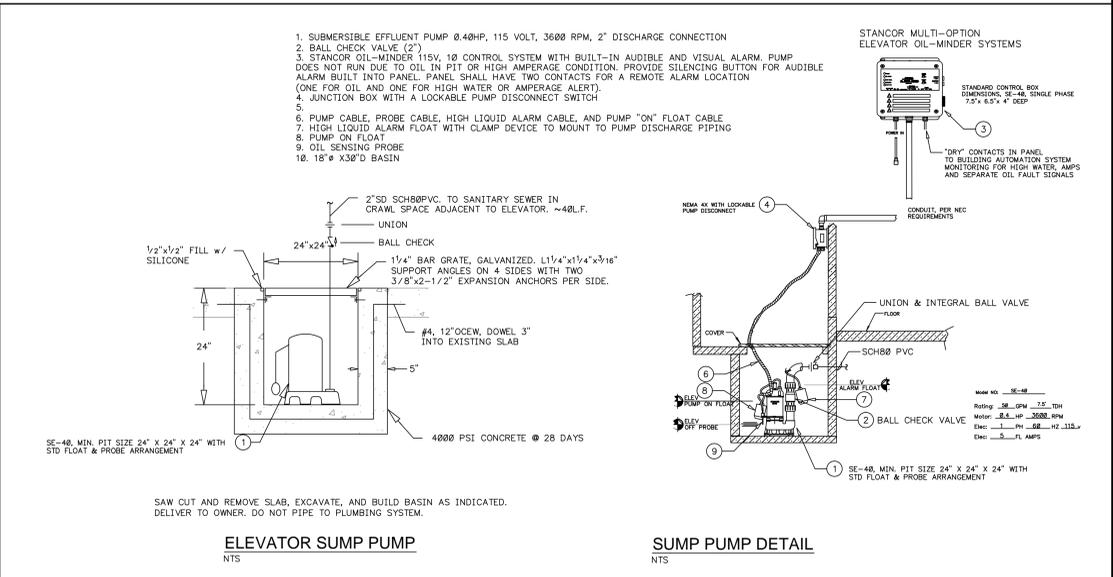
PROJECT NUMBER
14041

DATE
27 JUN 14

DRAWN
CBW CHECKED
RCH

SHEET TITLE
MECHANICAL / ELECTRICAL FLOOR PLANS

SHEET NUMBER
ME2



1	2	3	4	5	6
E	D	C	B	A	