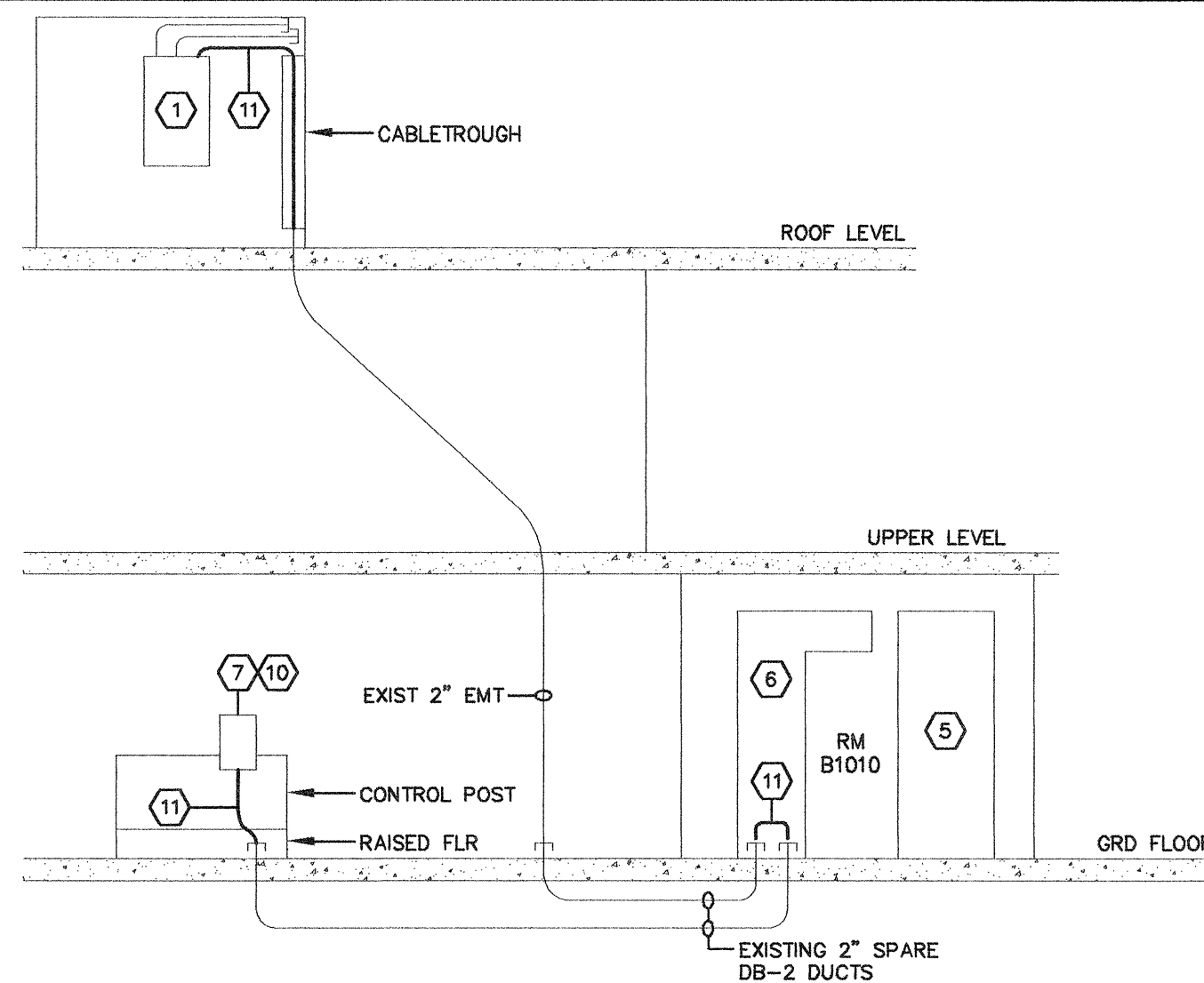
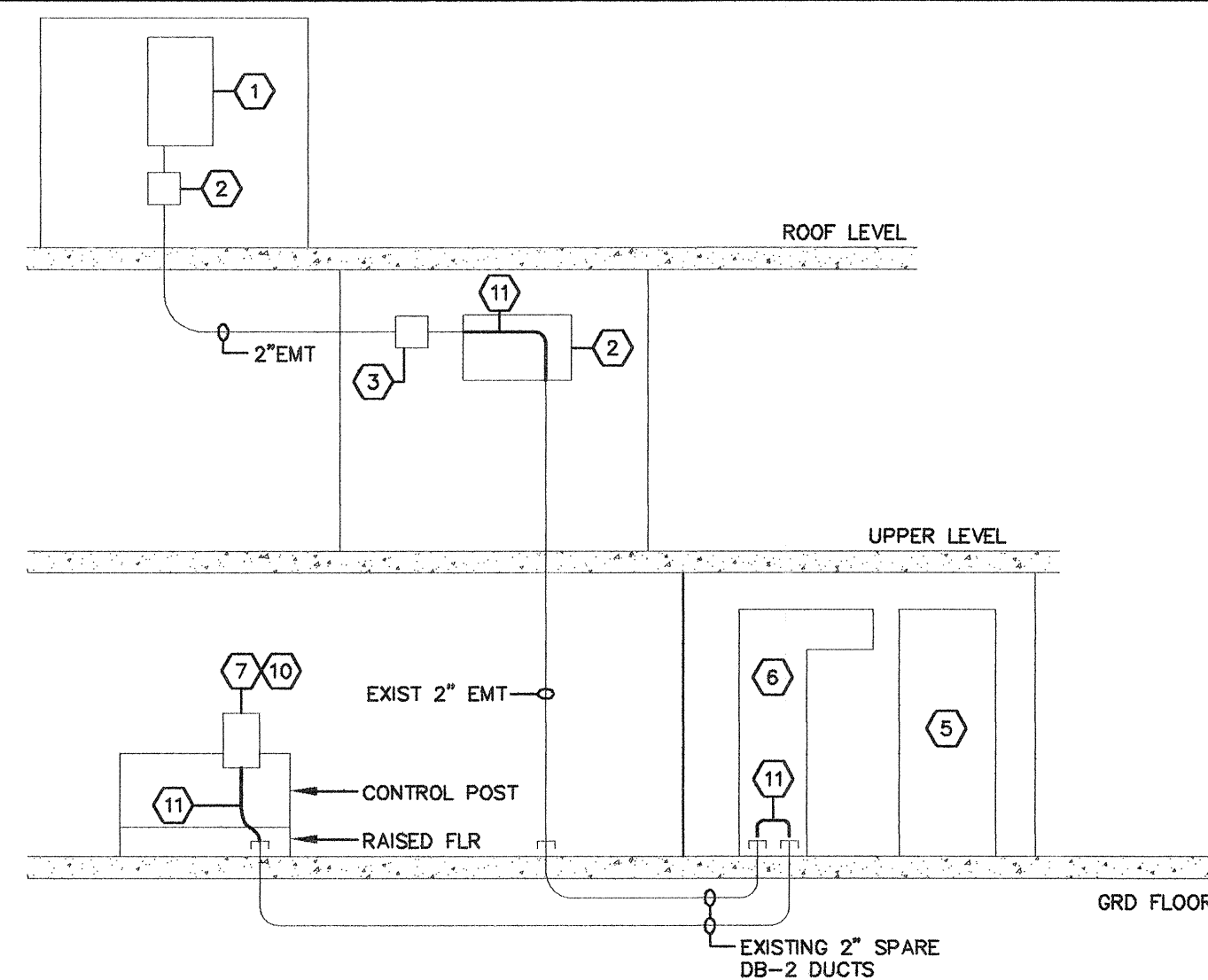


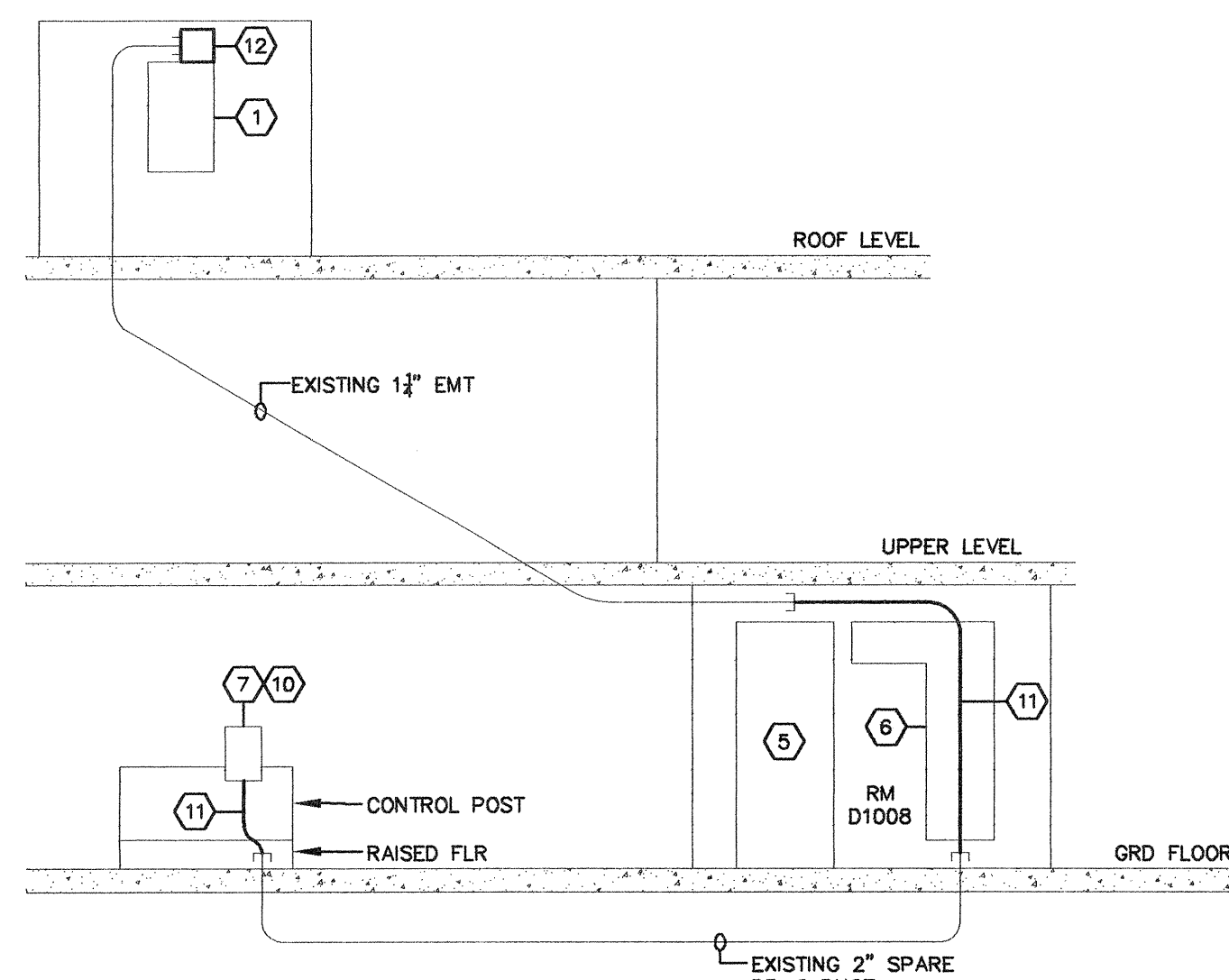
DETAIL 'X' - BUILDING A
NTS



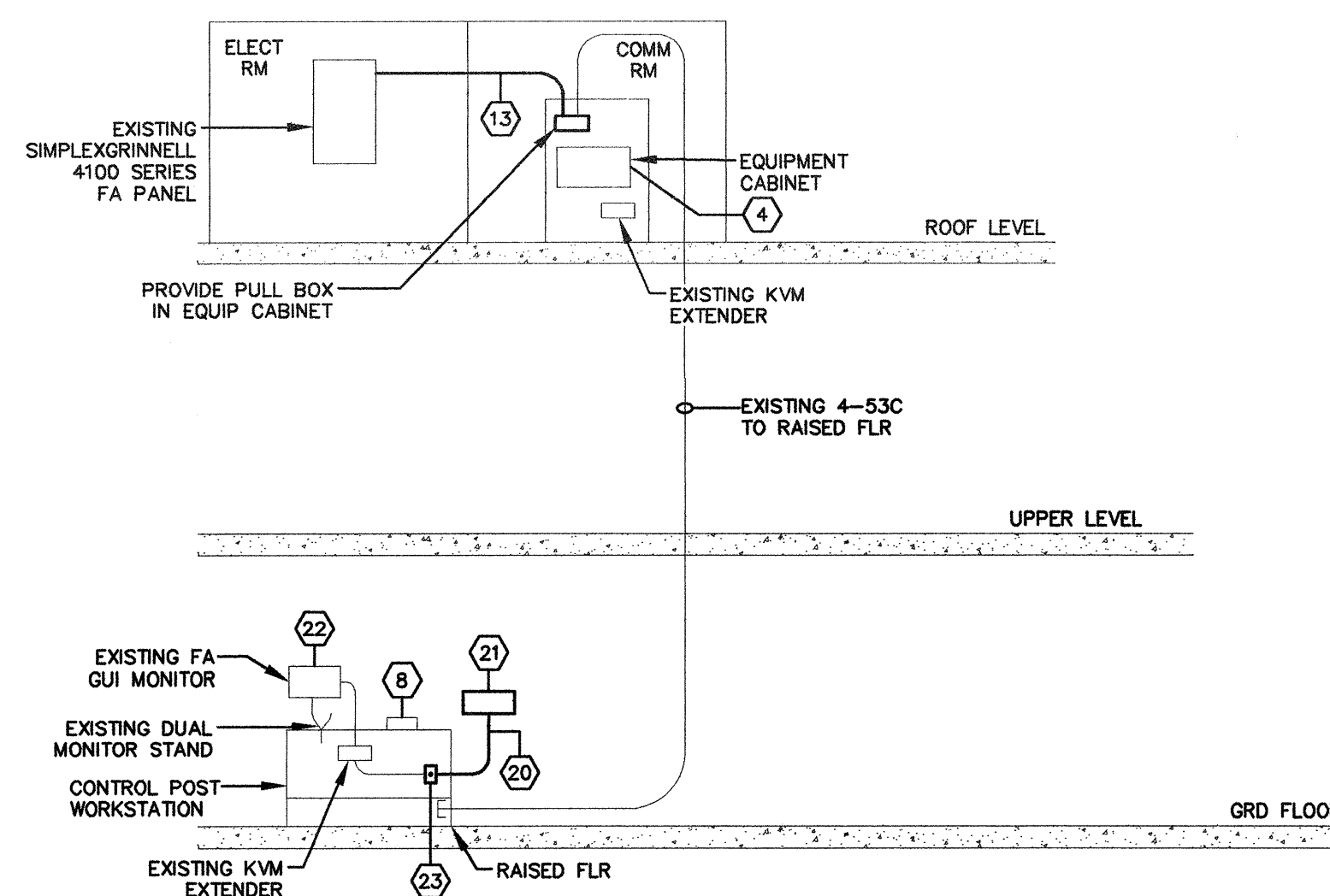
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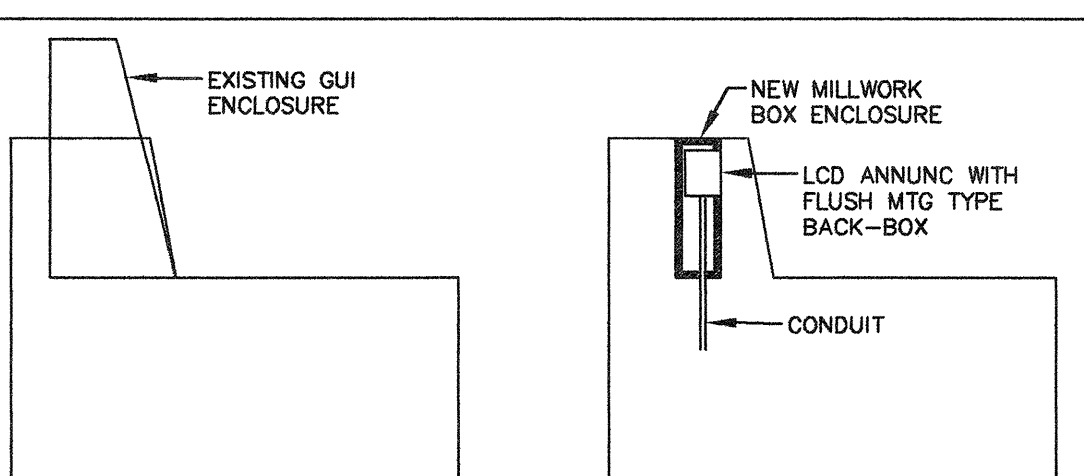
DETAIL 'X' - BUILDING C
NTS



DETAIL 'X' - BUILDING D
NTS



DETAIL 'X' - BUILDING E
NTS



DETAIL Y - CONTROL POST ANNUNCIATOR BLDGS A,B,C,D
NTS

NOTES:

- REMOVE EXISTING GUI AND SHEETMETAL ENCLOSURE.
- RETAIN AND PAY FOR A MILLWORK CONTRACTOR TO FILL AND PATCH THE MOUNTING AND WIRING HOLES LEFT IN THE EXISTING WORKSTATION COUNTERTOP BY THE REMOVAL OF THE OLD GUI ENCLOSURE. (ELECTRICIANS SHALL NOT TRY TO PATCH THE HOLES).
- RETAIN AND PAY FOR A MILLWORK COMPANY TO MANUFACTURE AN INFL BOX IN BLACK ARBORITE FINISH TO FIT FULL WIDTH AND FULL HEIGHT OF THE SPACE WHERE THE OLD ENCLOSURE WAS REMOVED. THE DEPTH SHALL ACCOMMODATE THE ANNUNCIATOR WHICH IS APPROX 3" DEEP. THE BOX SHALL BE SET AT THE BACK OF THE OPENING IN THE WORKSTATION. (A WELDED BLACK-FINISHED CUSTOM SIZED ELECTRICAL BOX THE SAME SIZE AS THE MILLWORK BOX WILL ALSO BE ACCEPTABLE. BOX SHALL BE FACTORY MANUFACTURED AND HAVE GLOSSY FINISH).
- CAULK WITH BLACK COLOURED CAULKING.
- THE WHOLE INSTALLATION AT THE EXISTING CONTROL POST MILLWORK SHALL BE PROFESSIONALLY DONE TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.

NOTES:

- OLD GUI COMPUTER EQUIPMENT REMOVED SHALL BE RECYCLED OR DISPOSED OF IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.
- PERFORM ALL ROUGH-INS AHEAD OF TIME SO THAT THE TIME FOR THE VARIOUS FACILITIES TO BE WITHOUT LOCAL FIRE ALARM ANNUNCIATION IS MINIMIZED. ON THE DAYS WHEN ANNUNCIATORS WILL BE INACTIVE IN THE CONTROL POSTS THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL ELECTRICIAN WHOSE FUNCTION ON THAT DAY WILL BE TO WATCH THE FIRE ALARM PANEL FOR ALARMS AND IN TURN RELAY ZONE INFORMATION TO THE CONTROL POST.
- IN BUILDINGS A, B, C, D IN THE EQUIPMENT ROOMS AT THE GROUND FLOOR LEVEL REMOVE THE METAL CABINETS. THE CABINETS WERE USED TO HOUSE EQUIPMENT TO SUPPORT THE FIRE ALARM GUI'S AND FOR DOOR CONTROL. THE DOOR CONTROL EQUIPMENT HAS BEEN RELOCATED BUT THE RACKS MAY BE USED TO SPLICE SOME DOOR CONTROL WIRING. CONTRACTOR IS TO INVESTIGATE RACKS AND REMOVE ANY DOOR CONTROL WIRING OUT OF RACKS. ANY DOOR WIRING SPLICING SHALL BE RELOCATED TO OUTSIDE THE CABINET AND BE DONE INSIDE A MINIMUM 12" X 12" BOX ON RAIL MOUNTED TERMINAL STRIPS. ASSUME FOR THE PURPOSES OF BIDDING AND TO ENABLE REMOVAL OF EACH CABINET THAT 40 SPLICES NEED TO BE MADE OUTSIDE EACH CABINET. REMOVE THE CABINETS FROM PACIFIC INSTITUTION AND TRANSPORT THEM TO AND STORE THEM IN THE EXISTING SHIPPING CONTAINERS ON THE MATSUJI INSTITUTION SITE. (CABINETS REMAIN THE PROPERTY OF THE INSTITUTION).
- OBTAIN FROM THE DEPARTMENTAL REPRESENTATIVE THE SHEETMETAL TRIM PIECE FOR THE CONTROL CABINET IN MCCP. INSTALL TRIM AT FLUSH MOUNTED FIRE ALARM GUI.

ITEM	DESCRIPTION	COMMENTS
1	EXISTING SIMPLEX 4020 FA PANEL	REMAIN
2	EXISTING COMM PULL BOX	REMAIN
3	EXISTING JUNCTION/PULL BOX	REMAIN
4	EXISTING FA COMPUTER, BUILDING E	TO BE RELOCATED FROM BLDG E TO BUILDING F. REMOVE KEYBOARD, MOUSE, MONITOR AND KVM EXTENDER IN EQUIPMENT RACK AND GIVE TO D.R.
5	EXISTING 90" HIGH EQUIPMENT CABINET IN EQUIPMENT ROOM	CABINET TO BE REMOVED. SEE NOTE 3. REMOVE FA PRINTER, GUI COMPUTER, KEYBOARD, MOUSE AND KVM EXTENDER AND ALL CABLING IN CABINET AND EQUIPMENT ROOM
6	EXISTING CABLE TRAY OR WIREWAY	REMAIN
7	EXISTING GRAPHICAL USER INTERFACE (GUI) FIRE ALARM ANNUNCIATOR AND SHEETMETAL ENCLOSURE	REMOVE GUI MONITOR, SHEET METAL ENCLOSURE AND KVM EXTENDER AND CABLES TO EQUIPMENT ROOM
8	KEYBOARD AND MOUSE	RELOCATED TO BUILDING F. REMOVE KVM EXTENDER AND WIRING BACK TO FA PANEL
9	PRINTER CABLE AND 6-STRAND GRANGE-COLOURED FIBER OPTIC CABLE	REMOVE CABLES BETWEEN CABINET IN EQUIPMENT ROOM AND FIRE ALARM PANEL
10	REPLACE GUI ANNUNCIATOR WITH LCD ANNUNCIATOR	SEE DETAIL Y. PROVIDE FIRE ALARM CABLE BETWEEN ANNUNCIATOR AT CONTROL POST AND FIRE ALARM PANEL
11	PROTECTIVE SLEEVE	PROVIDE FLEXIBLE METAL CONDUIT SLEEVE (OR SEALTITE FLEX) TO PROVIDE SEPARATION BETWEEN CABLES AND NEW FIRE ALARM ANNUNCIATOR CABLE
12	CUSTOM BOX ON END OF CONDUIT TO ALLOW ENTRY TO FA PANEL	PROVIDE PULL BOX AND RACEWAY EXTENSION FOR ENTRY OF NEW FIRE ALARM ANNUNCIATOR CABLE INTO FIRE ALARM PANEL
13	EMT SIZED TO SUIT. (MIN 21mm)	INSTALL FROM FA PANEL TO EQUIP CABINET
14	GUI, COMPUTER, KEYBOARD AND MOUSE	PROVIDE AT WORKSTATION LOCATION IN BUILDING F. COMPONENTS RELOCATED FROM BUILDING E
15	SEPARATE CIRCUIT RED RECEPTACLE IN WIREMOLD BOX WITH BRUSHED STAINLESS STEEL COVERPLATE	PROVIDE SEPARATE CIRCUIT FROM PANEL 2EE ON UPPER LEVEL
16	COMPUTER CABLE OUTLET CONSISTING OF SURFACE MOUNTED WIREMOLD BOX WITH 1" GROMMETED HOLE IN BRUSHED STAINLESS STEEL COVERPLATE	PROVIDE EMT FROM FIRE ALARM PANEL TO OUTLET. PROVIDE IN EMT, CABLE AS INDICATED
17	EXISTING EQUIPMENT CABINET IN CONTROL POST AT EACH LEVEL OF BUILDING	SEE DETAIL X. REMOVE FROM EQUIPMENT CABINET COMPUTER, KEYBOARD, MOUSE AND KVM EXTENDERS FOR GUI. MOVE ALL WIRING BETWEEN FA PANEL AND EQUIPMENT CABINET, EQUIPMENT CABINET AND EXISTING GUI. RETAIN CABINET FOR DOOR ALARM
18	EXISTING FIRE ALARM GRAPHICAL USER INTERFACE (GUI) (MONITOR)	REMOVE MONITOR AND ASSOCIATED BUZZER IN BOX BESIDE GUI SLOPING SURFACE BOX. RETAIN SLOPING SURFACE BOX FOR NEW LCD ANNUNCIATOR. REMOVE ALL WIRING FROM ANNUNCIATOR EQUIPMENT CABINET
19	LCD ANNUNCIATOR AT EXISTING OLD GUI SLOPED SURFACE BOX	SEE DETAIL ON E4. PROVIDE WIRING FROM FA PANEL TO SUIT
20	IVORY WIREMOLD TO LCD ANNUNCIATOR	INSTALL FROM SURFACE WIREMOLD BOX
21	SURFACE MOUNTED LCD FIRE ALARM ANNUNCIATOR	WALL MTO ABOVE FLUSH OUTLET FOR OLD ANNUNCIATOR CAT 6 CABLE
22	REMOVE INSTALLATION FOR FA GUI INCLUDING KVM EXTENDER, CAT 6 CABLE TO ROOFTOP EQUIPMENT RM. RELOCATE GUI TO BUILDING F	REMOVE DUAL MONITOR STAND FROM TABLE. GIVE TO DEPARTMENTAL REPRESENTATIVE. OBTAIN RECEIPT. REMOVE KVM EXTENDERS. GIVE TO D.R. OBTAIN RECEIPT
23	IVORY WIREMOLD EXTENSION BOX ON OUTLET BOX	INSTALL ON FLUSH OUTLET
24	GUI MONITOR IN MCCP	REPLACE EXISTING MONITOR WITH NEW TOUCHSCREEN MONITOR SIZED TO SUIT THE EXISTING OPENING IN THE CONSOLE AT MCCP. REPLACE KVM EXTENDER, KEYBOARD AND MOUSE. REPLACE WIRING AS NECESSARY BETWEEN GUI AND COMPUTER IN BASEMENT. USE EXISTING RACEWAY
25	COMPUTER FOR FIRE ALARM GUI (MONITOR) IN MCCP	REPLACE COMPUTER TO SUIT THE REPLACEMENT GUI. REPLACE KVM EXTENDER AS NECESSARY
26	FIBRE OPTIC CABLE	REMOVE BETWEEN FIRE ALARM PANEL AND EQUIPMENT RACK IN CONTROL POST
27	PULL BOX	PROVIDE PULL BOX AND RE-ROUTE CONDUITS INTO PULL BOX AS SHOWN TO PRELUDE FIRE ALARM ANNUNCIATOR FROM ENTERING EQUIPMENT CABINET

OUTLINE OF SCOPE OF WORK:

- IN BUILDINGS A, B, C, D AND U REMOVE THE ANNUNCIATOR GUI AND SHEETMETAL ENCLOSURE. REMOVE THE COMPUTER COMPONENT, KEYBOARD, MOUSE AND PRINTER AS WELL AS THE MONITOR AND KVM EXTENDERS AND CABLES.
- REMOVE THE PRINTER CABLES AND GUI COMPUTER CABLE BETWEEN EQUIPMENT ROOM AND FIRE ALARM PANEL. IN BUILDINGS A, B, C AND D AND ELSEWHERE AS FURTHER INDICATED.
- INSTALL NEW SIMPLEXGRINNELL LCD FIRE ALARM ANNUNCIATORS IN BUILDINGS A, B, C, D, E AND U. (TWO ANNUNCIATORS ARE REQUIRED IN BUILDING U).
- INSTALL REPLACEMENT GUI COMPONENTS IN BUILDING G. REPLACE COMPUTER, MONITOR, KEYBOARD, MOUSE AND KVM EXTENDERS. (KVM EXTENDERS MAY BE RE-USED IF SATISFACTORY FOR NEW COMPUTER AND MONITOR).
- IN BUILDING E RELOCATE THE GUI MONITOR, COMPUTER, KEYBOARD AND MOUSE TO BUILDING F AND PROVIDE A NEW LCD ANNUNCIATOR.
- INSTALL IN BUILDING F, THE RELOCATED GUI INCLUDING COMPUTER, MONITOR, KEYBOARD AND MOUSE. COMPONENTS TO BE RELOCATED FROM BUILDING E.

PROPOSED ORDER OF WORK:

- ORDER NEW ANNUNCIATOR COMPONENTS INCLUDING GUI, COMPUTER, KEYBOARD AND MOUSE FOR BUILDING G.
- PERFORM ROUGH-IN IN BUILDING F.
- INSTALL NEW LCD ANNUNCIATOR CABLES BETWEEN FIRE ALARM PANELS AND NEW ANNUNCIATOR LOCATIONS. LEAVE UNTERMINATED.
- UPON ARRIVAL OF EQUIPMENT ON SITE WORK WITH SIMPLEXGRINNELL TO PERFORM THE FOLLOWING:
 - ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE TO ALLOW THE ANNUNCIATOR IN UNIT A TO BE REPLACED ON DAY 1. IF THERE IS DOWNTIME FOR SIMPLEXGRINNELL ON DAY 1 THE CONTRACTOR SHALL PROVIDE ADDED FORCES TO WORK AT BUILDING F. SIMPLEXGRINNELL WILL VERIFY AND PROVIDE INSTRUCTION ON OPERATION.
 - ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE TO ALLOW THE ANNUNCIATOR IN UNIT B TO BE REPLACED ON DAY 2. IF THERE IS DOWNTIME FOR SIMPLEXGRINNELL ON DAY 2 THE CONTRACTOR SHALL PROVIDE ADDED FORCES TO WORK AT BUILDING G. SIMPLEXGRINNELL WILL VERIFY AND PROVIDE INSTRUCTION ON OPERATION.
 - ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE TO ALLOW ANNUNCIATOR IN UNIT C TO BE REPLACED ON DAY 3. IF THERE IS DOWNTIME FOR SIMPLEXGRINNELL ON DAY 3 THE CONTRACTOR SHALL PROVIDE ADDED FORCES TO WORK AT BUILDING U. SIMPLEXGRINNELL WILL VERIFY AND PROVIDE INSTRUCTION ON OPERATION.
 - ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE TO ALLOW ANNUNCIATOR IN UNIT D TO BE REPLACED ON DAY 4. SIMPLEXGRINNELL WILL VERIFY AND PROVIDE INSTRUCTION ON OPERATION.
 - ARRANGE WITH THE DEPARTMENTAL REPRESENTATIVE TO ALLOW THE ANNUNCIATOR IN UNIT E TO BE REPLACED ON DAY 5. SIMPLEXGRINNELL WILL VERIFY AND PROVIDE INSTRUCTION ON OPERATION.
 - REMOVE PRINTER AND FIBER OPTIC CABLES BETWEEN CABINET IN EQUIPMENT ROOM AND FIRE ALARM PANEL IN BUILDINGS A, B, C, D, E AND U.
 - ARRANGE WITH SIMPLEXGRINNELL FOR INSTRUCTION ON NEW GUI EQUIPMENT AT BUILDINGS F AND G, AS WELL AS NEW ANNUNCIATORS AT BUILDINGS A, B, C, D, E AND U. SIMPLEXGRINNELL SHALL PROVIDE INSTRUCTION AT EACH BUILDING. AS PART OF INSTRUCTION PROVIDE THE SIMPLIFIED INSTRUCTION SHEET SPECIFIED IN SPEC SECTION 26 31 02. INSTRUCTION SHALL BE ON THE SAME DAY AS THE NEW LCD ANNUNCIATOR IS INSTALLED AND VERIFIED. SEE ABOVE.

FIRE ALARM MANUFACTURER COMPONENTS AND NOTES		
BLDG	COMPONENT/S	NOTES
A	LCD ANNUNCIATOR IN FLUSH MOUNTED BACK BOX. ANNUNCIATOR #4603-9101	SOFT KEYS NOT PROGRAMMED
B	LCD ANNUNCIATOR IN FLUSH MOUNTED BACK BOX. ANNUNCIATOR #4603-9101	SOFT KEYS NOT PROGRAMMED
C	LCD ANNUNCIATOR IN FLUSH MOUNTED BACK BOX. ANNUNCIATOR #4603-9101	SOFT KEYS NOT PROGRAMMED
D	LCD ANNUNCIATOR IN FLUSH MOUNTED BACK BOX. ANNUNCIATOR #4603-9101	SOFT KEYS NOT PROGRAMMED
E	LCD ANNUNCIATOR IS SURFACE MOUNTING TYPE BACK-BOX. ANNUNCIATOR #4603-9101, BACK BOX #2975-9206	<ol style="list-style-type: none"> 4 TOUCHSCREEN BUTTONS ON EXISTING GUI SHALL BE REPROGRAMMED TO THE 4 SOFT KEYS ON THE 4603 ANNUNCIATOR. THE ONE TOUCHSCREEN BUTTON ON THE EXISTING GUI FOR THE SHUTOFF OF SUPPLY TO THE HOSE VALVES SHALL BE REPROGRAMMED TO APPEAR AT THE MCCP ANNUNCIATOR. THE GUI SHALL BE RELOCATED AND RE-USED AT BUILDING F.
F	GUI, KEYBOARD, MOUSE AND COMPUTER RELOCATED FROM BUILDING E.	WIRING TO DESKTOP COMPUTER IS SAME AS FOR LCD ANNUNCIATOR. PRIOR TO INSTALLATION CONFIRM CABLE TYPE WITH SIMPLEXGRINNELL.
G	EXISTING GUI COMPUTER IN BASEMENT COMM ROOM TO BE REPLACED. (NOTE EXISTING COMPUTER HAS FIBER OPTIC CABLE CONNECTION, WHICH SHALL BE RE-USED). EXISTING GUI MONITOR, KEYBOARD, MOUSE AND KVM EXTENDERS TO BE REPLACED IN MCCP.	NEW GUI MONITOR IN MCCP SHALL BE TOUCHSCREEN TYPE OF A SIZE TO FIT THE CONTROL CABINET. NOMINAL OPENING SIZE IN CABINET IS 19" WIDE x 16" HIGH. MOUNT GUI FLUSH IN CABINET. PROVIDE REAR SUPPORT AS NECESSARY. GUI WILL HAVE FRONT COVER TRIM INSTALLED TO MATCH OTHER SCREENS IN THE CABINET. SEE NOTE 4.
U	LCD ANNUNCIATOR IN SURFACE MOUNTED TYPE BACK-BOX. ANNUNCIATOR #4603-9101, BACK BOX #2975-9206	TWO UNITS REQUIRED

NOTES RE FIRE ALARM MANUFACTURER COMPONENTS:

- LCD MONITOR FOR BUILDING 'G' MCCP SHALL BE TYPE AS PROVIDED FOR TRUE-SITE WORKSTATION BUT MUST BE SIZED TO FIT WORKSTATION CONTROL CABINET OPENING.
- IF POSSIBLE, WHEN FIRE ALARM ANNUNCIATION IS OFF LINE IN A BUILDING, HAVE ALARMS FOR THAT BUILDING MAINTAINED AT MCCP.
- AT THE END OF EACH WORK DAY AND PRIOR TO LEAVING THE SITE IT SHALL BE ENSURED THAT THE ENTIRE FIRE ALARM SYSTEM IN THE INSTITUTION SHALL BE FULLY OPERATIONAL.

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Computer Replacement

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Details 1

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