

JUNEAU SCHOOL DISTRICT (JSD) SECURITY CAMERA INSTALLATIONS

VOLUME II of II

Contract No. E13-164

File No. 1789



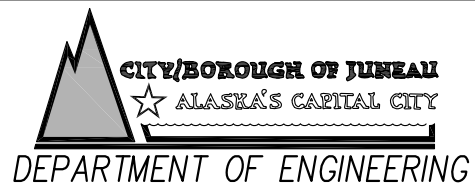
ENGINEERING DEPARTMENT

GENERAL NOTES (APPLIES TO ALL SHEETS)

1. THESE DRAWINGS PROVIDE GENERAL INFORMATION TO BE USED BY A CONTRACTOR TO PROVIDE A VIDEO CAMERA SYSTEM IN SEVERAL JUNEAU SCHOOL DISTRICT SCHOOLS. IT IS UP TO THE CONTRACTOR TO DETERMINE MOUNTING AND WIRING DETAILS, AND COORDINATE WITH JSD IT STAFF TO FURNISH AND INSTALL THE VIDEO SYSTEM IN EACH SCHOOL. THE CBJ MAY PROVIDE SOME OF THE EQUIPMENT. OBTAIN A LIST OF MATERIALS TO BE PROVIDED BY THE CBJ. PROVIDE ALL ADDITIONAL EQUIPMENT OR MATERIALS NEEDED TO DO THIS WORK.
2. PERFORM ALL WORK PER THE NATIONAL ELECTIRCAL CODE, AND APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
3. PROVIDE SUFFICIENT BLOCKING AND STRUCTURAL SUPPORT TO MOUNT CAMERAS WHERE SHOWN. PROVIDE AMW SAFETY FACTOR OF FIVE.
4. PROVIDE ALL WIRING IN CONDUIT EXCEPT CAT 6 CABLE MAY BE RUN ABOVE SUSPENDED CEILINGS. USE EMT CONDUIT INDOORS AND GRS CONDUIT OUTDOORS. ALL WIRING FOR 120V CIRCUITS SHALL BE COPPER CONDUCTORS WITH XHHW INSULATION.
5. ALL CIVIL WORK SHALL COMPLY WITH CBJ STANDARDS.
6. PAINT ALL SURFACE MOUNTED CONDUIT AND RACEWAY TO MATCH SURFACE IT IS MOUNTED TO.
7. ROUTE ALL CAT 6 CABLES INTO A PATCH PANEL THEN FROM PATCH PANEL TO NETWORK SWITCH. PROVIDE A 24 PORT STANDARD DENSITY PATCH PANEL WHERE A NEW SWITCH IS BEING PROVIDED. USE THE EXISTING PATCH PANEL IN THE IT CABINET WHEN AN EXISTING SWITCH IS BEING USED.
8. KEEP ALL CAT 6 CABLE RUNS TO LESS THAN 300 FEET.
9. IF THERE IS NOT ENOUGH ROOM IN AN EXISTING IT CABINET TO ACCOMMODATE NEW EQUIPMENT, PROVIDE A NEW WALL MOUNT RACK FOR NEW EQUIPMENT. PROVIDE A TERMINAL STRIP FED FROM NEAREST OUTLET TO POWER EQUIPMENT IN RACK.
10. AIM CAMERAS AS DIRECTED BY OWNER.
11. SEE SHEET E21 FOR CAMERA MOUNTING DETAILS. MODIFY AS NEEDED. CONCEAL AS MUCH CABLE/CONDIUT/HARDWARE AS POSSIBLE.
12. PENETRATE EXTERIOR WALLS AS REQUIRED USING GRS WITH CGB CONNECTOR ON EXTERIOR AND BUSHING ON INTERIOR. SEAL AROUND CONDUIT, DO NOT PIERCE STRUCTURAL MEMBERS.
13. ROUTE CABLE THROUGH CORRIDORS WHERE POSSIBLE.
14. SEAL ALL PENETRATIONS IN ALL WALLS, PARTITIONS, ECT. WITH FIRE STOPPING TO PROVIDE A FOUR HOUR FIRE RATING. PROVIDE HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT WITH MINERAL WOOL OR EQUAL.

REV	DATE	BY	DESCRIPTION

SCALE _____ GRAPHIC
DESIGNED MGM
DRAWN JDM
CHECKED MGM
DATE NOV, 2012



JSD SECURITY CAMERA
INSTALLATIONS
CBJ CONTRACT NO.
E13-164

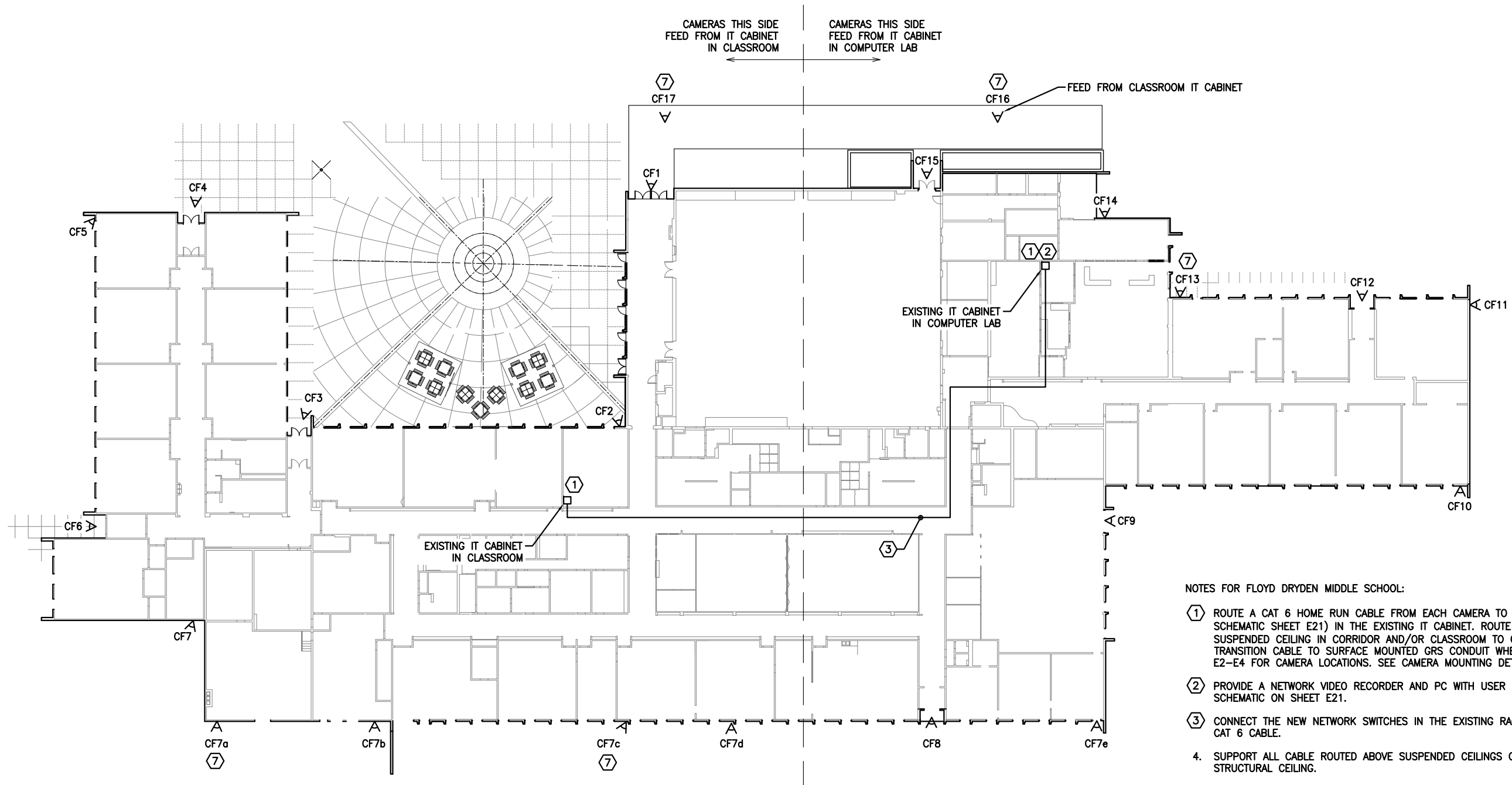


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GENERAL NOTES

E0

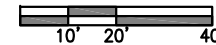
SHEET NO.
E0 of E22



NOTES FOR FLOYD DRYDEN MIDDLE SCHOOL:

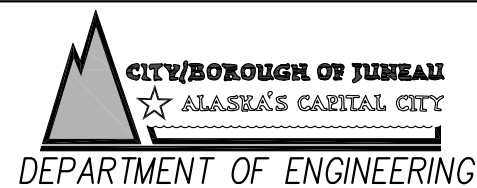
- ① ROUTE A CAT 6 HOME RUN CABLE FROM EACH CAMERA TO A NEW SWITCH (SEE SCHEMATIC SHEET E21) IN THE EXISTING IT CABINET. ROUTE CABLE ABOVE SUSPENDED CEILING IN CORRIDOR AND/OR CLASSROOM TO CAMERA LOCATION. TRANSITION CABLE TO SURFACE MOUNTED GRS CONDUIT WHERE SHOWN. SEE SHEETS E2-E4 FOR CAMERA LOCATIONS. SEE CAMERA MOUNTING DETAILS SHEET E21.
- ② PROVIDE A NETWORK VIDEO RECORDER AND PC WITH USER INTERFACE PER SCHEMATIC ON SHEET E21.
- ③ CONNECT THE NEW NETWORK SWITCHES IN THE EXISTING RACKS TOGETHER WITH A CAT 6 CABLE.
- 4. SUPPORT ALL CABLE ROUTED ABOVE SUSPENDED CEILINGS ON HANGERS SECURED TO STRUCTURAL CEILING.
- 5. PROVIDE BLOCKING, ETC., AS REQUIRED TO MOUNT CAMERAS. PROVIDE UNISTRUT AS REQUIRED TO SUPPORT SURFACE MOUNTED CAMERAS OR CONDUIT.
- 6. ROUTE CABLE IN EMT CONDUIT IN MECHANICAL ROOMS, STORAGE ROOMS, SHOP CLASSROOMS, GYMS AND ROOMS WITH GYPSOM CEILINGS. ROUTE CABLE THROUGH THESE ROOMS AS REQUIRED TO ACCESS EXTERIOR CAMERAS FROM ABOVE SUSPENDED CEILINGS IN CORRIDOR.
- ⑦ PROVIDE CAMERAS CF7a, CF7c, CF13, CF16, AND CF17 UNDER ADDITIVE ALTERNATE NO. 1. INCLUDE MOUNTING, CONDUIT, AND CABLING BACK TO SWITCH FOR THESE CAMERAS IN THE ALTERNATE BID ITEM.

① FLOYD DRYDEN MIDDLE SCHOOL CAMERA PLACEMENT PLAN

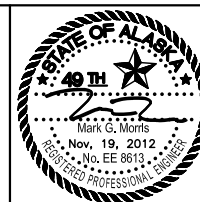


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SCALE GRAPHIC
 DESIGNED MGM
 DRAWN EJW
 CHECKED MGM
 DATE NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



MORRIS ENGINEERING GROUP LLC
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FLOYD DRYDEN MIDDLE SCHOOL
 CAMERA PLACEMENT PLAN

E1
 SHEET NO.
 E1 of E22



CF1- CEILING MOUNT TO CEILING PANEL. FEED FROM ABOVE SUSPENDED CEILING IN ENTRY.



CF2- WALL MOUNT TO HARDI PLANK. FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



CF3- WALL MOUNT TO HARDI PLANK. FEED FROM ABOVE SUSPENDED CEILING IN HALL THROUGH SOFFIT SPACE THEN TO CAMERA. SUSPENDED CEILING AT 9'-10".



CF4- CEILING MOUNT TO SIDE AND CLOSE TO EDGE OF SOFFIT. FEED FROM ABOVE SUSPENDED CEILING, THROUGH SOFFIT SPACE THEN TO CAMERA.



CF5- WALL MOUNT TO HARDI PLANK. FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



CF6- WALL MOUNT TO HARDI PLANK. FEED FROM ABOVE SUSPENDED CEILING IN HALL, THROUGH SOFFIT SPACE THEN TO CAMERA. SUSPENDED CEILING AT 9'-10".



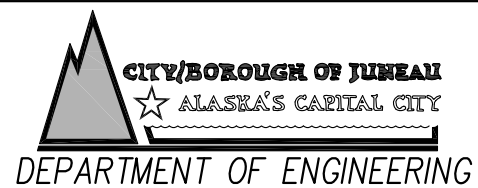
CF7- WALL MOUNT TO LEFT OF SCUPPER. FEED FROM SURFACE CONDUIT IN FAN ROOM.



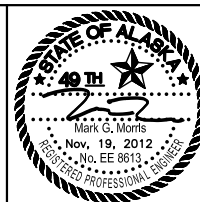
CF7a- WALL MOUNT SIX FEET LEFT OF FIXTURE AND ABOVE FIXTURE. FEED FROM SURFACE CONDUIT IN MECHANICAL ROOM. (7)

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SCALE	NONE
DESIGNED	MGM
DRAWN	EJV
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INSTALLATIONS
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MORRIS
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FLOYD DRYDEN
MIDDLE SCHOOL
CAMERA PLACEMENT DETAILS

E2
SHEET NO.
E2 of E22



CF7b- WALL MOUNT SAME HEIGHT AS CF7a. FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM.



CF7c- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



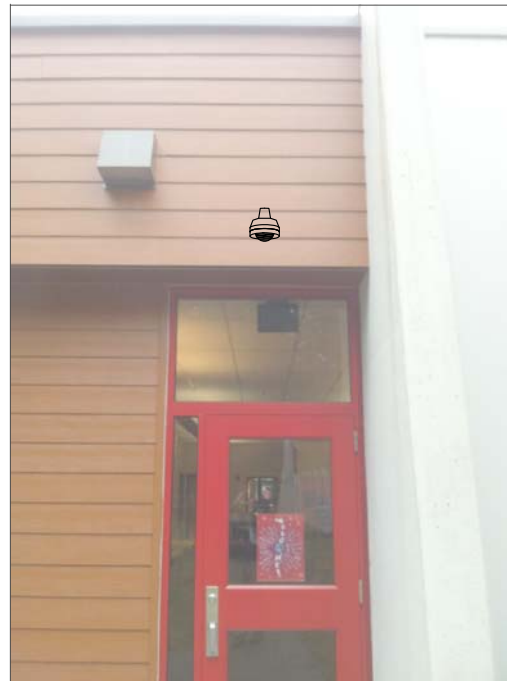
CF7d- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM, AIM AT BREAK IN FENCE. SUSPENDED CEILING AT 9'-10".



CF7e- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



CF8- FEED FROM ABOVE SUSPENDED CEILING IN HALL THROUGH SOFFIT SPACE TO CAMERA..



CF9- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



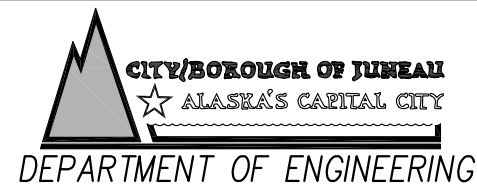
CF10- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10".



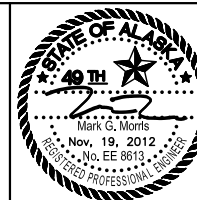
CF11- WALL MOUNT, FEED FROM ABOVE SUSPENDED CEILING THROUGH HARDI PLANK THEN SURFACE UP AND OVER PARAPET THEN DOWN TO CAMERA.

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SCALE NONE
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 DRAWN EJW
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 DATE NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



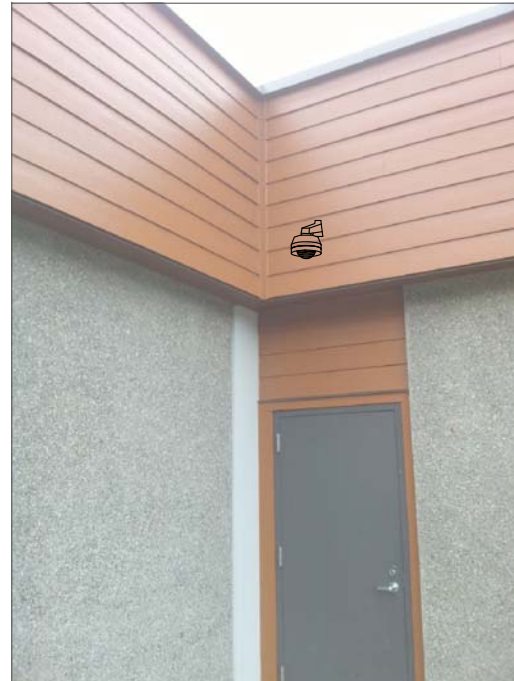
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FLOYD DRYDEN MIDDLE SCHOOL
 CAMERA PLACEMENT DETAILS

E3
 SHEET NO. E3 of E22



CF12- CEILING MOUNT IN SOFFIT, OUT IN FRONT OF LIGHT. FEED FROM ABOVE SUSPENDED CEILING IN HALL THROUGH SOFFIT SPACE TO CAMERA.



CF13- WALL MOUNT TO HARDI PLANK, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. SUSPENDED CEILING AT 9'-10". (7)



CF14- FEED SURFACE CONDUIT FROM SHOP CLASS.



CF15- MOUNT TO WALL, FEED FROM SURFACE CONDUIT IN GYM.



CF16- MOUNTED ON COVERED WALKWAY STRUCTURE. CEILING MOUNT TO PLATE MOUNTED TO STEEL PURLIN, FEED WITH SURFACE MOUNTED CONDUIT ON BACK SIDE OF STRUCTURE ROUTED BACK TO CF17 AT MAIN ENTRY. (7)



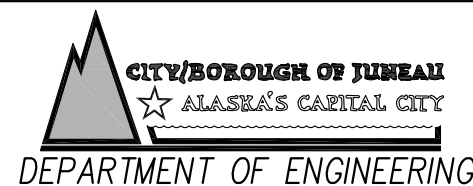
CF17- MOUNTED ON COVERED WALKWAY STRUCTURE. MOUNT SAME AS CF16, FEED FROM ABOVE CEILING PANELS IN ENTRY. THEN FROM ABOVE SUSPENDED CEILING INSIDE. (7)

FLOYD DRYDEN MIDDLE SCHOOL - CAMERA SCHEDULE					
CAMERA NO.	PART NO.	CAMERA TYPE	CAMERA MOUNT	PART NO.(S)	COMMENTS
CF1	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CF2	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF3	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF4	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CF5	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF6	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF7	SEE NOTE 1	OUTDOOR	WALL, SURFACE CONDUIT	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5
CF7a	SEE NOTE 1	OUTDOOR	WALL, SURFACE CONDUIT	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5, ADD ALT NO. 1
CF7b	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5
CF7c	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTES 2, ADD ALT NO. 1
CF7d	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF7e	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF8	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CF9	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF10	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CF11	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5
CF12	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CF13	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 1
CF14	SEE NOTE 1	OUTDOOR	WALL, SURFACE CONDUIT	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5
CF15	SEE NOTE 1	OUTDOOR	WALL, SURFACE CONDUIT	IM-VEPM, WMVE-SR	SEE NOTES 2 & 5
CF16	SEE NOTE 1	OUTDOOR	CEILING, SURFACE CONDUIT	IM-VESM	SEE NOTES 2 & 4, ADD ALT NO. 1
CF17	SEE NOTE 1	OUTDOOR	CEILING, SURFACE CONDUIT	IM-VESM	SEE NOTES 2 & 4, ADD ALT NO. 1

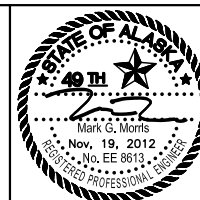
NOTES:

1. ALL CAMERA UNITS SHALL BE PELCO PART NO. IMSOLW10-1E.
2. PROVIDE ALL CAMERAS WITH A SMOKED BUBBLE LENS PELCO PART NO. LDIMVE-0.
3. PROVIDE ALL RECESSED CEILING MOUNTED CAMERAS WITH 4S DEEP ELECTRICAL BOX ADAPTER PLATE PELCO NO. IM-VE4S.
4. PROVIDE SURFACE MOUNTED CAMERAS FED BY SURFACE CONDUIT WITH SURFACE MOUNTING RING PELCO PART NO. IM-VESM.
5. WALL MOUNTED CAMERAS FED BY SURFACE CONDUIT ARE FED THROUGH 3/4" CONDUIT OPENING BELOW WALL MOUNT ARM.
6. CAMERAS CF: 7a, 7c, 13, 16, AND 17 ARE TO BE PROVIDED UNDER ALTERNATE NO. 1.

SCALE	NONE		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION

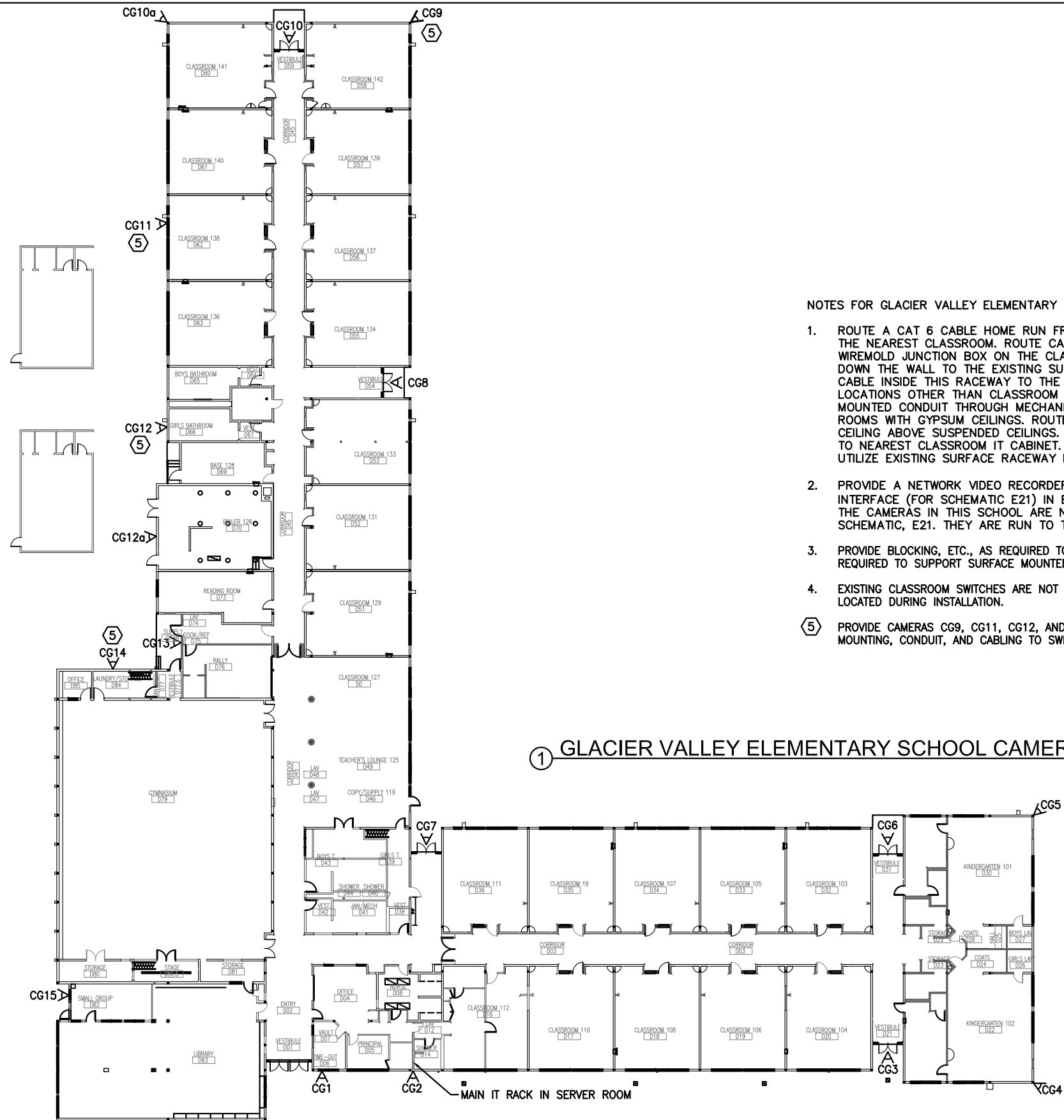


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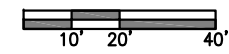
FLOYD DRYDEN MIDDLE SCHOOL
 CAMERA PLACEMENT DETAILS & CAMERA SCHEDULE



NOTES FOR GLACIER VALLEY ELEMENTARY SCHOOL:

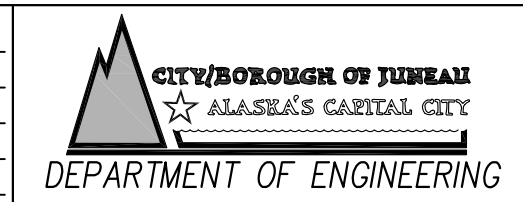
1. ROUTE A CAT 6 CABLE HOME RUN FROM EACH CAMERA TO THE EXISTING SWITCH IN THE NEAREST CLASSROOM. ROUTE CABLE FROM CAMERA THROUGH WALL TO A SURFACE WIREMOLD JUNCTION BOX ON THE CLASSROOM WALL THEN IN WIREMOLD 500 RACEWAY DOWN THE WALL TO THE EXISTING SURFACE RACEWAY IN THE CLASSROOM. ROUTE THE CABLE INSIDE THIS RACEWAY TO THE EXISTING IT CABINET. FOR CAMERAS MOUNTED IN LOCATIONS OTHER THAN CLASSROOM EXTERIOR WALLS, ROUTE CABLE IN SURFACE MOUNTED CONDUIT THROUGH MECHANICAL ROOMS, STORAGE ROOMS, GYM, AND OTHER ROOMS WITH GYPSUM CEILINGS. ROUTE CABLE EXPOSED SUPPORTED TO STRUCTURAL CEILING ABOVE SUSPENDED CEILINGS. ROUTE CABLE FROM CAMERA TO CORRIDOR THEN TO NEAREST CLASSROOM IT CABINET. USE WIREMOLD 500 RACEWAY INSIDE CLASSROOM. UTILIZE EXISTING SURFACE RACEWAY IN CLASSROOM AS MUCH AS POSSIBLE.
 2. PROVIDE A NETWORK VIDEO RECORDER AND PC (PERSONAL COMPUTER) WITH USER INTERFACE (FOR SCHEMATIC E21) IN EXISTING MAIN IT RACK IN SERVER ROOM. NOTE THE CAMERAS IN THIS SCHOOL ARE NOT HOME RUN TO ONE OR TWO SWITCHES PER SCHEMATIC, E21. THEY ARE RUN TO THE NEAREST CLASSROOM SWITCH.
 3. PROVIDE BLOCKING, ETC., AS REQUIRED TO MOUNT CAMERAS SECURELY. PROVIDE UNISTRUT AS REQUIRED TO SUPPORT SURFACE MOUNTED CAMERAS ON CONDUIT.
 4. EXISTING CLASSROOM SWITCHES ARE NOT SHOWN IN THESE DRAWINGS AND MUST BE FIELD LOCATED DURING INSTALLATION.
- ⑤ PROVIDE CAMERAS CG9, CG11, CG12, AND CG14 UNDER ADDITIVE ALTERNATE NO. 2. INCLUDE MOUNTING, CONDUIT, AND CABLING TO SWITCH FOR THESE CAMERAS IN THE ALTERNATE BID ITEM.

① GLACIER VALLEY ELEMENTARY SCHOOL CAMERA PLACEMENT PLAN



REV	DATE	BY	DESCRIPTION

SCALE NOTED
 DESIGNED MGM
 DRAWN EJY
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JSD SECURITY CAMERA INSTALLATIONS
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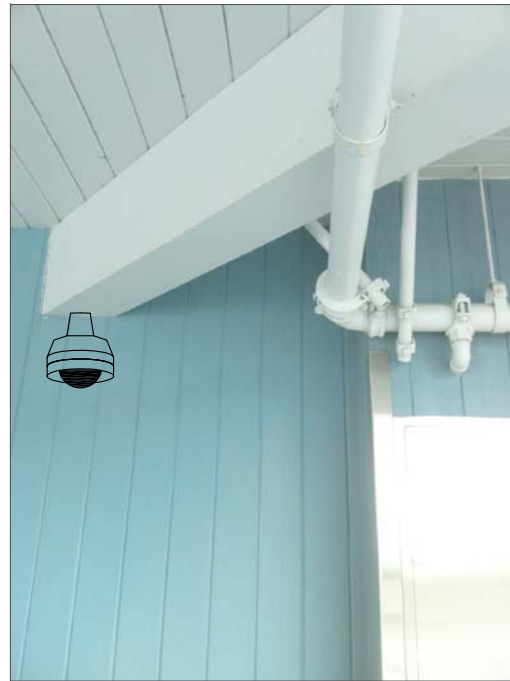


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GLACIER VALLEY ELEMENTARY SCHOOL
 CAMERA PLACEMENT PLAN



CG1- MOUNT TO WALL ABOVE SUSPENDED CEILING. FEED FROM ABOVE CEILING IN OFFICE. SUSPENDED CEILING AT 9'.



CG2- MOUNT TO UNDERSIDE OF BEAM. FEED WITH SURFACE MOUNT CONDUIT FROM SERVER ROOM ON OTHER SIDE OF WALL.



CG3- CEILING MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN HALL. SUSPENDED CEILING AT 9'



CG4- WALL MOUNT, FEED WITH SURFACE WIRE MOLD UP INSIDE WALL FROM EXISTING SURFACE RACEWAY IN CLASSROOM.



CG5- WALL MOUNT, FEED WITH SURFACE WIRE MOLD UP INSIDE WALL FROM EXISTING SURFACE RACEWAY IN CLASSROOM.



CG6- CEILING MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN HALL. SUSPENDED CEILING AT 9'.



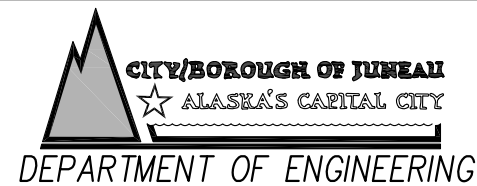
CG7- CEILING MOUNT FEED FROM ABOVE SUSPENDED CEILING IN HALL. SUSPENDED CEILING AT 9'.



CG8- CEILING MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN HALL. SUSPENDED CEILING AT 9'.

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 DRAWN EJY
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GLACIER VALLEY
 ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

E6
 SHEET NO.
 E6 of E22



CG9- WALL MOUNT UNDER EAVE, FEED FROM IT CABINET WITH SURFACE WIREMOLD UP WALL INSIDE CLASSROOM. (5)



CG10- CEILING MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN HALL.



CG10a- WALL MOUNT UNDER EAVE, FEED FROM IT CABINET WITH SURFACE WIREMOLD UP WALL INSIDE CLASSROOM.



CG11- WALL MOUNT, FEED FROM IT RACK ON OTHER SIDE OF WALL. (5)



CG12- WALL MOUNT ON RIGHT SIDE OF BEAM. DRILL THROUGH BEAM SURFACE MOUNT CONDUIT TO BACK SIDE OF IT CABINET, FEED THROUGH WALL INTO CABINET. (5)



CG12a- WALL MOUNT FEED FROM INSIDE BOILER ROOM WITH SURFACE MOUNT CONDUIT. ROUTE TO NEAREST SWITCH IN CLASSROOM ACROSS HALL FROM BOILER ROOM.



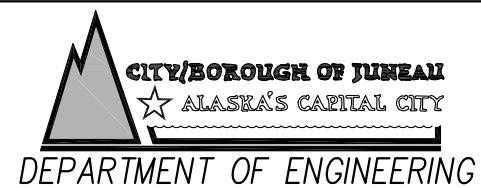
CG13- WALL MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN KITCHEN. SUSPENDED CEILING AT 9'.



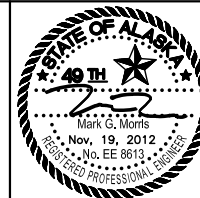
CG14- MOUNT ABOVE AND BETWEEN TWO DUCTS. THE DUCTS FEED FROM EXISTING SURFACE RACEWAY IN GYM. (5)

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SCALE	NONE
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GLACIER VALLEY
 ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

E7
 SHEET NO.
 E7 of E22



CG15- WALL MOUNT ABOVE WINDOW, FEED FROM SURFACE RACEWAY.



IT CABINET- FEED FROM IT CABINET IN CLASSROOM INTO EXISTING SURFACE RUNWAY, THEN UP WALL WITH NEW WIREMOLD TO WALL MOUNT CAMERAS ON EXTERIOR WALL.

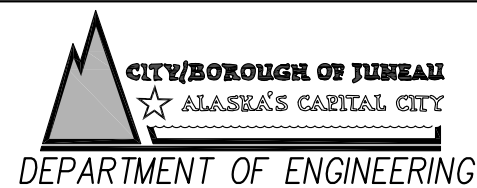
GLACIER VALLEY ELEMENTARY SCHOOL - CAMERA SCHEDULE

CAMERA NO.	PART NO.	CAMERA TYPE	CAMERA MOUNT	PART NO.(S)	COMMENTS
CG1	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG2	SEE NOTE 1	OUTDOOR	WALL, SURFACE CONDUIT	IM-VEPM, WMVE-SR	SEE NOTES 2 & 4
CG3	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CG4	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG5	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG6	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CG7	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CG8	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CG9	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 2
CG10	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CG10a	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG11	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 2
CG12	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 2
CG12a	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG13	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CG14	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 2
CG15	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2

NOTES:

1. ALL CAMERA UNITS SHALL BE PELCO PART NO. IMSOLW10-1E.
2. PROVIDE ALL CAMERAS WITH A SMOKED BUBBLE LENS PELCO PART NO. LDIMVE-O.
3. PROVIDE ALL RECESSED CEILING MOUNTED CAMERAS WITH 4S DEEP ELECTRICAL BOX ADAPTER PLATE PELCO NO. IM-VE4S.
4. WALL MOUNTED CAMERAS FED BY SURFACE CONDUIT ARE FED THROUGH 3/4" CONDUIT OPENING BELOW WALL MOUNT ARM.
5. CAMERAS CG9, CG11, CG12, AND CG14 ARE TO BE PROVIDED UNDER ADDITIVE ALTERNATE NO. 2.

SCALE	NONE		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



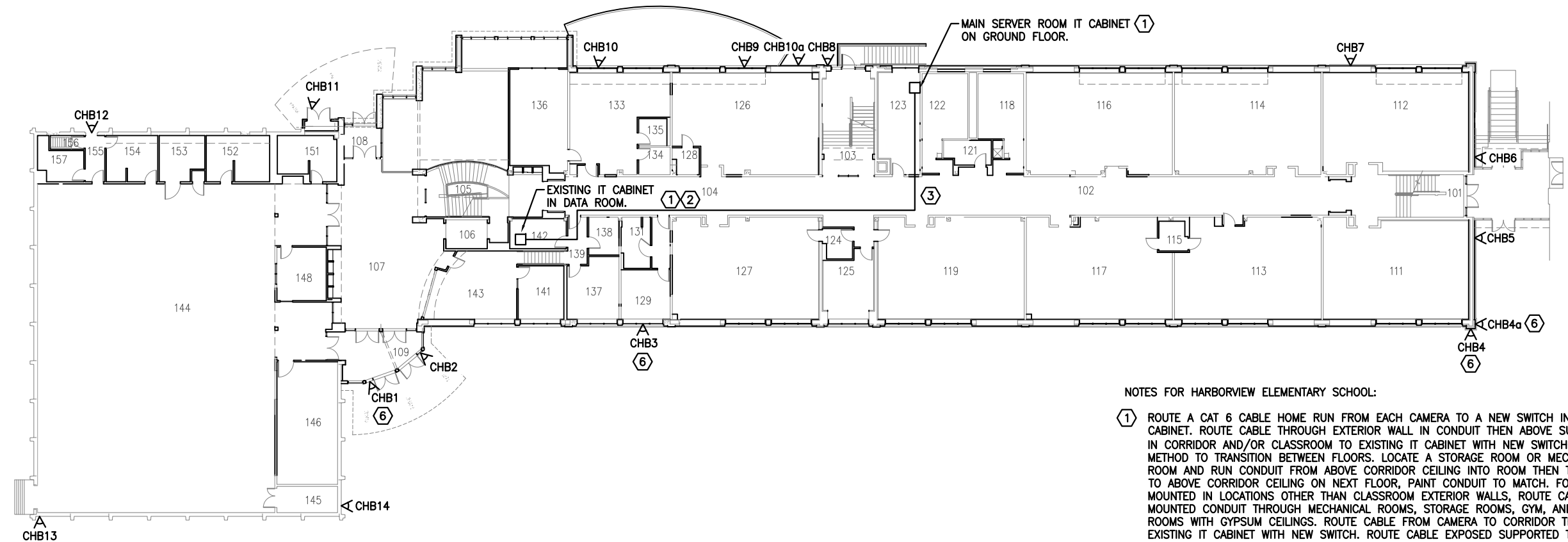
JSD SECURITY CAMERA
INSTALLATIONS
CBJ CONTRACT NO.
E13-164



GLACIER VALLEY
ELEMENTARY SCHOOL
CAMERA PLACEMENT DETAILS
& CAMERA SCHEDULE

E8

SHEET NO.
E8 of E22



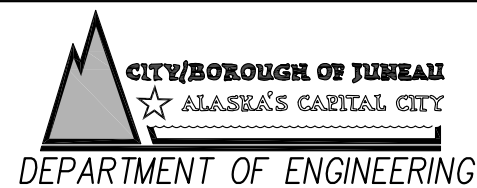
NOTES FOR HARBORVIEW ELEMENTARY SCHOOL:

- ① ROUTE A CAT 6 CABLE HOME RUN FROM EACH CAMERA TO A NEW SWITCH IN THE EXISTING IT CABINET. ROUTE CABLE THROUGH EXTERIOR WALL IN CONDUIT THEN ABOVE SUSPENDED CEILING IN CORRIDOR AND/OR CLASSROOM TO EXISTING IT CABINET WITH NEW SWITCH. USE FOLLOWING METHOD TO TRANSITION BETWEEN FLOORS. LOCATE A STORAGE ROOM OR MECHANICAL ROOM ROOM AND RUN CONDUIT FROM ABOVE CORRIDOR CEILING INTO ROOM THEN THROUGH FLOOR TO ABOVE CORRIDOR CEILING ON NEXT FLOOR, PAINT CONDUIT TO MATCH. FOR CAMERAS MOUNTED IN LOCATIONS OTHER THAN CLASSROOM EXTERIOR WALLS, ROUTE CABLE IN SURFACE MOUNTED CONDUIT THROUGH MECHANICAL ROOMS, STORAGE ROOMS, GYM, AND OTHER UTILITY ROOMS WITH GYPSUM CEILINGS. ROUTE CABLE FROM CAMERA TO CORRIDOR THEN TO NEAREST EXISTING IT CABINET WITH NEW SWITCH. ROUTE CABLE EXPOSED SUPPORTED TO STRUCTURAL CEILING ABOVE SUSPENDED CEILINGS. IN FIRST FLOOR CORRIDOR, ROUTE CABLE ABOVE GYPSUM CEILING. PROVIDE ACCESS HATCHES AS REQUIRED.
- ② PROVIDE A NETWORK VIDEO RECORDER AND PC (PERSONAL COMPUTER) WITH USER INTERFACE PER SCHEMATIC, E21.
- ③ CONNECT THE NEW NETWORK SWITCHES IN THE EXISTING RACKS TOGETHER WITH A CAT 6 CABLE.
- 4. SUPPORT ALL CABLE ROUTED ABOVE SUSPENDED CEILINGS ON HANGARS SECURED TO STRUCTURAL CEILING.
- 5. PROVIDE BLOCKING, ETC., AS REQUIRED TO MOUNT CAMERAS. PROVIDE UNISTRUT AS REQUIRED TO SUPPORT SURFACE MOUNTED CAMERAS OR CONDUIT.
- ⑥ PROVIDE CAMERAS CHB1, CHB3, CHB4, AND CHB4a UNDER ADDITIVE ALTERNATE NO. 3. INCLUDES MOUNTING, CONDUIT, AND CABLING BACK TO SWITCH FOR THESE CAMERAS IN THE ALTERNATE BID ITEM.

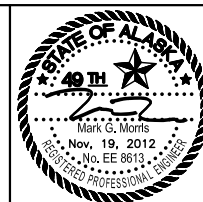
① HARBORVIEW ELEMENTARY SCHOOL CAMERA PLACEMENT PLAN



SCALE	GRAPHIC		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



MORRIS ENGINEERING GROUP LLC
 12480 Mendenhall Loop Road Juneau AK 99801
 Phone: 907-789-3350
 Fax: 907-789-3360

HARBORVIEW ELEMENTARY SCHOOL
 CAMERA PLACEMENT PLAN



CHB1- SURFACE MOUNT TO INSIDE OF BEAM. SURFACE MOUNT CONDUIT TO METAL FASCIA INSIDE FASCIA PANELS ABOVE CEILING IN ADMINISTRATION BUILDING. (5)



CHB2- SURFACE MOUNT TO INSIDE OF BEAM. SURFACE MOUNT CONDUIT TO METAL FASCIA INSIDE FASCIA PANELS ABOVE CEILING IN ADMINISTRATION BUILDING.



CHB3- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM. (5)



CHB4 & 4a- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM. (5) (CAMERA CHB5 SHOWN IN BACKGROUND)



CHB5- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM.



CHB6- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM.

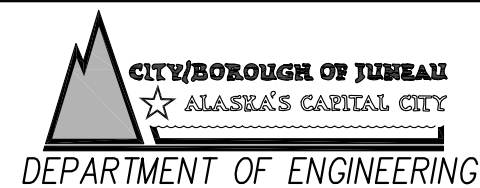


CHB7- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM.



CHB8- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM.

SCALE	NONE		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



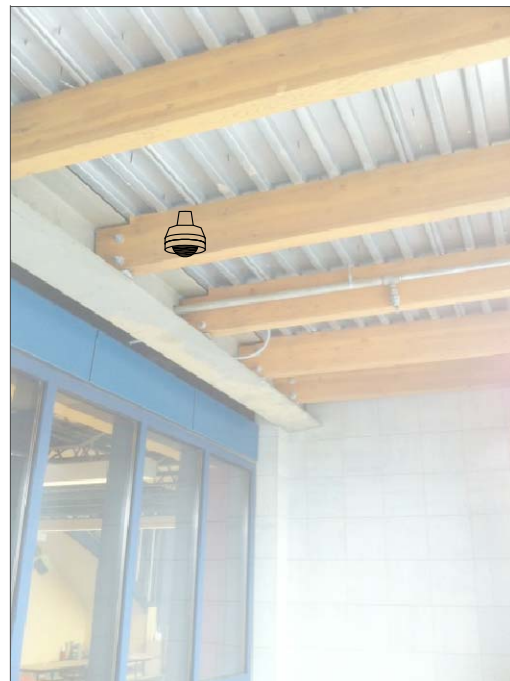
MORRIS ENGINEERING GROUP LLC
 12480 Mendenhall Loop Road Juneau AK 99801
 Phone: 907-789-3350
 Fax: 907-789-3360

HARBORVIEW ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

E10
 SHEET NO.
 E10 of E22



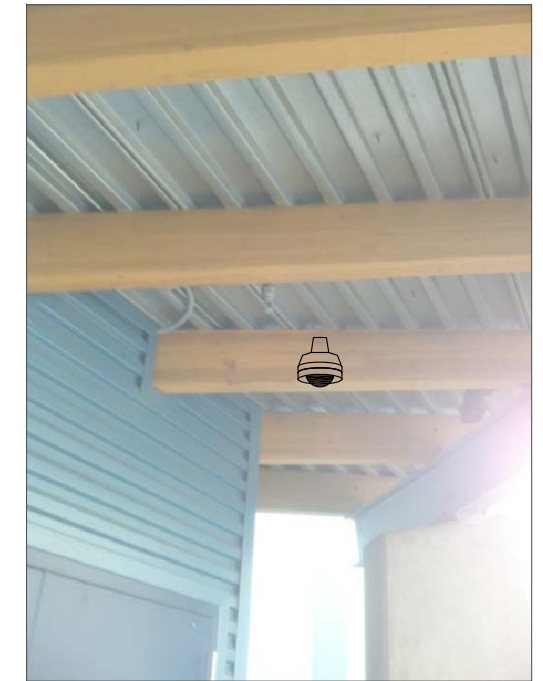
CHB9- WALL MOUNT. BACK FEED TO ABOVE CEILING IN CLASSROOM, THEN TO SWITCH IN IT ROOM.



CHB10- WALL MOUNT ON GLUELAM. FEED SURFACE UNDER STEEL BEAM AND INTO LUNCHROOM ON CEILING THEN ABOVE SUSPENDED CEILING IN HALL AND INTO THE IT CABINET.



CHB10a- WALL MOUNT ON GLUELAM. FEED SURFACE UNDER STEEL BEAM AND INTO LUNCHROOM ON CEILING THEN ABOVE SUSPENDED CEILING IN HALL AND INTO THE SWITCH IN THE IT CABINET.



CHB11- WALL MOUNT TO BEAM. SURFACE MOUNT TO EXTERIOR CONCRETE GYM WALL. THEN UP THE WALL IN CORNER OF COLUMN TO UNDER METAL EAVE. THEN UNDER EAVE ON BUILDING EXTERIOR ACROSS TO ENTRY CEILING THEN ABOVE SUSPENDED CEILING IN CLASSROOM 206 THEN TO SWITCH IN IT ROOM.



CHB11- ROUTING ON BUILDING EXTERIOR UP WALL IN CORNER TO UNDER EAVE, THEN BELOW EAVE TO OPPOSITE ENTRY CEILING. THEN TO ABOVE CLASSROOM 206 CEILING.



CHB12- WALL MOUNT BETWEEN DOOR AND LIGHT. SURFACE MOUNT ON EXTERIOR WALL UP CORNER OF COLUMN TO METAL EAVE THEN TO SWITCH VIA CLASSROOM 206, THE SAME AS CHB11.

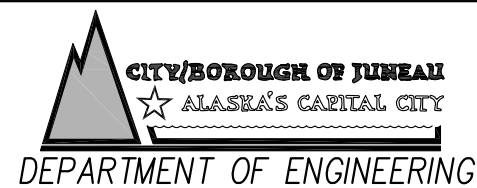


CHB13- WALL MOUNT AT 20' THEN FEED SAME AS CHB11.

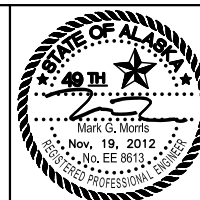


CHB14- WALL MOUNT UNDER EAVE. SURFACE MOUNT UNDER METAL EAVE OVER ENTRANCE THEN DOWN CORNER OF COLUMN TO UNDER ENTRY ROOF THEN BEHIND FASCIA TO ABOVE ADMINISTRATION OFFICE'S SUSPENDED CEILING.

SCALE	NOTED		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



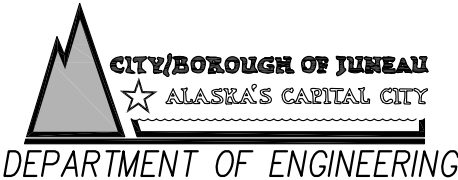


HARBORVIEW ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

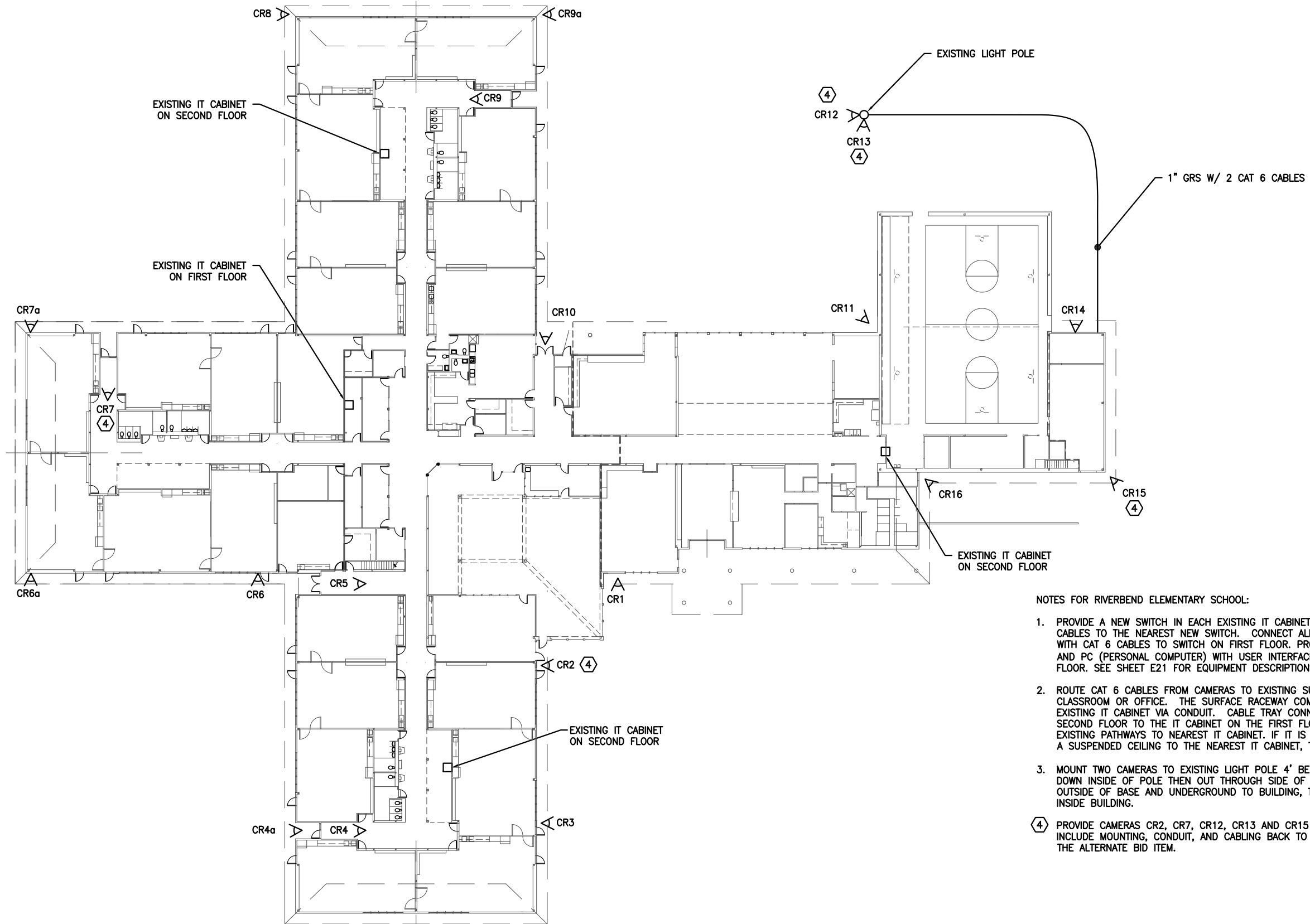
E11
 SHEET NO. E11 of E22

HARBORVIEW ELEMENTARY SCHOOL - CAMERA SCHEDULE					
CAMERA NO.	PART NO.	CAMERA TYPE	CAMERA MOUNT	PART NO.(S)	COMMENTS
CHB1	SEE NOTE 1	OUTDOOR	CEILING, SURFACE CONDUIT	IM-VESM	SEE NOTE 2 & 3, ADD ALT NO. 3
CHB2	SEE NOTE 1	OUTDOOR	CEILING, SURFACE CONDUIT	IM-VESM	SEE NOTE 2 & 3
CHB3	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 3
CHB4	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 3
CHB4a	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2, ADD ALT NO. 3
CHB5	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB6	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB7	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB8	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB9	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB10	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB10a	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB11	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB12	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB13	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CHB14	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2

NOTES:

1. ALL CAMERA UNITS SHALL BE PELCO PART NO. IMSOLW10-1E.
2. PROVIDE ALL CAMERAS WITH A SMOKED BUBBLE LENS PELCO PART NO. LDIMVE-O.
4. PROVIDE SURFACE MOUNTED CAMERAS FED BY SURFACE CONDUIT WITH SURFACE MOUNTING RING PELCO PART NO. IM-VESM.
5. CAMERAS CH: B1, B3, B4 AND B4a ARE TO BE PROVIDED UNDER ADDITIVE ALTERNATE NO. 3.

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REV	DATE	BY	DESCRIPTION																													



NOTES FOR RIVERBEND ELEMENTARY SCHOOL:

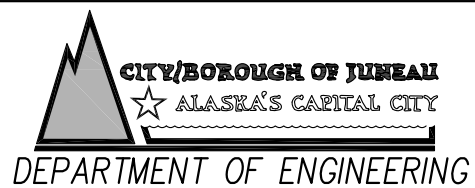
1. PROVIDE A NEW SWITCH IN EACH EXISTING IT CABINET. HOME RUN ALL CAMERA CAT 6 CABLES TO THE NEAREST NEW SWITCH. CONNECT ALL SWITCHES ON SECOND FLOOR WITH CAT 6 CABLES TO SWITCH ON FIRST FLOOR. PROVIDE A NETWORK VIDEO RECORDER AND PC (PERSONAL COMPUTER) WITH USER INTERFACE IN EXISTING CABINET ON FIRST FLOOR. SEE SHEET E21 FOR EQUIPMENT DESCRIPTIONS.
 2. ROUTE CAT 6 CABLES FROM CAMERAS TO EXISTING SURFACE RACEWAY IN NEAREST CLASSROOM OR OFFICE. THE SURFACE RACEWAY COMM SECTION IS CONNECTED TO AN EXISTING IT CABINET VIA CONDUIT. CABLE TRAY CONNECTS THE IT CABINETS ON THE SECOND FLOOR TO THE IT CABINET ON THE FIRST FLOOR. ROUTE CABLES THROUGH EXISTING PATHWAYS TO NEAREST IT CABINET. IF IT IS EASIER TO ROUTE A CABLE ABOVE A SUSPENDED CEILING TO THE NEAREST IT CABINET, THAT IS ACCEPTABLE.
 3. MOUNT TWO CAMERAS TO EXISTING LIGHT POLE 4' BELOW LUMINAIRE. ROUTE CABLES DOWN INSIDE OF POLE THEN OUT THROUGH SIDE OF POLE TO LB CONDULET, DOWN OUTSIDE OF BASE AND UNDERGROUND TO BUILDING, THEN VIA SURFACE MOUNTED EMT INSIDE BUILDING.
- ④ PROVIDE CAMERAS CR2, CR7, CR12, CR13 AND CR15 UNDER ADDITIVE ALTERNATE NO. 4. INCLUDE MOUNTING, CONDUIT, AND CABLING BACK TO SWITCH FOR THESE CAMERAS IN THE ALTERNATE BID ITEM.

① RIVERBEND ELEMENTARY SCHOOL CAMERA PLACEMENT PLAN



REV	DATE	BY	DESCRIPTION

SCALE	NOTED
DESIGNED	MGM
DRAWN	EJV
CHECKED	MGM
DATE	NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



MORRIS ENGINEERING GROUP LLC
 12480 Mendenhall Loop Road Juneau AK 99801
 Phone: 907-789-3350
 Fax: 907-789-3360

RIVERBEND ELEMENTARY SCHOOL
 CAMERA PLACEMENT PLAN

E13
 SHEET NO.
 E13 of E22



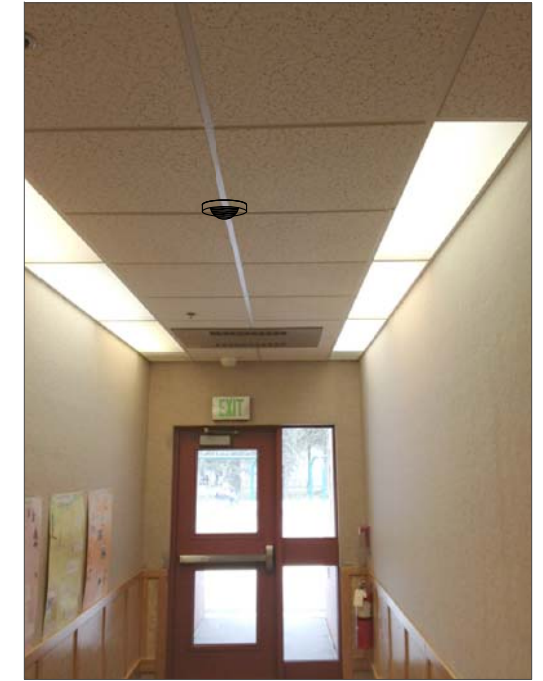
CR1- CEILING MOUNT, FEED THROUGH SOFFIT TO WIREMOLD J-BOX, THEN IN WIREMOLD 500 DOWN INTERIOR OF WALL TO EXISTING SURFACE RACEWAY, THEN VIA RACEWAY TO IT CABINET.



CR2- CEILING MOUNT, FEED THROUGH SOFFIT TO WIREMOLD J-BOX, THEN IN WIREMOLD 500 DOWN INTERIOR OF WALL TO EXISTING SURFACE RACEWAY, THEN VIA RACEWAY TO IT CABINET. (4)



CR3- CEILING MOUNT, FEED THROUGH SOFFIT TO WIREMOLD J-BOX, THEN IN WIREMOLD 500 DOWN INTERIOR OF WALL TO EXISTING SURFACE RACEWAY, THEN VIA RACEWAY TO IT CABINET.



CF4- INTERIOR CAMERA, MOUNT IN CEILING TILE. FEED FROM ABOVE SUSPENDED CEILING. ROUTE TO NEAREST CLASSROOM ABOVE SUSPENDED CEILING THEN DOWN CLASSROOM WALL IN WIREMOLD 500 TO EXISTING RACEWAY THEN VIA EXISTING RACEWAY TO IT CABINET.



CF4a- CEILING MOUNT IN SOFFIT FEED FROM ABOVE CORRIDOR CEILING THROUGH SOFFIT. ROUTE TO NEAREST CLASSROOM ABOVE SUSPENDED CEILING THEN DOWN CLASSROOM WALL IN WIREMOLD 500 TO EXISTING RACEWAY THEN VIA EXISTING RACEWAY TO IT CABINET.



CR5- INTERIOR CAMERA, MOUNT TO SUSPENDED CEILING, FEED FROM ABOVE CEILING. ROUTE TO NEAREST CLASSROOM ABOVE SUSPENDED CEILING THEN DOWN CLASSROOM WALL IN WIREMOLD 500 TO EXISTING RACEWAY THEN VIA EXISTING RACEWAY TO IT CABINET.

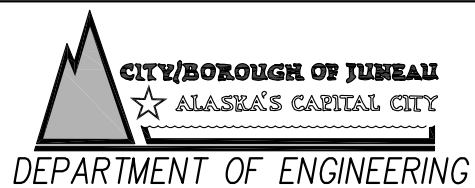


CR6- MOUNT IN SOFFIT, FEED FROM ABOVE SUSPENDED CEILING IN HALLWAY THROUGH SOFFIT TO CAMERA. ROUTE TO NEAREST CLASSROOM ABOVE SUSPENDED CEILING THEN DOWN CLASSROOM WALL IN WIREMOLD 500 TO EXISTING RACEWAY THEN VIA EXISTING RACEWAY TO IT CABINET.

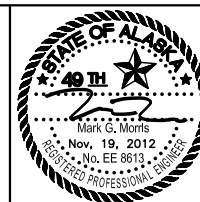


CR6a- CEILING MOUNT IN SOFFIT, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. THEN DOWN CLASSROOM WALL IN WIREMOLD 500 DOWN TO EXISTING RACEWAY THEN VIA EXISTING RACEWAY TO IT CABINET.

SCALE	NOTED		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION

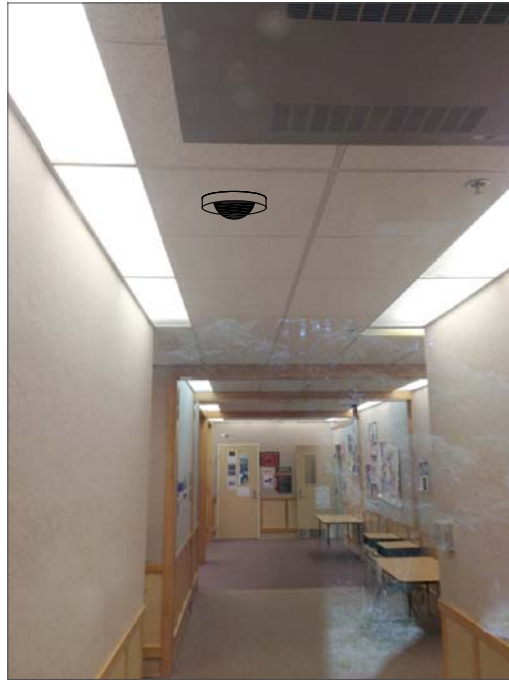


JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



RIVERBEND ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

E14
 SHEET NO. E14 of E22



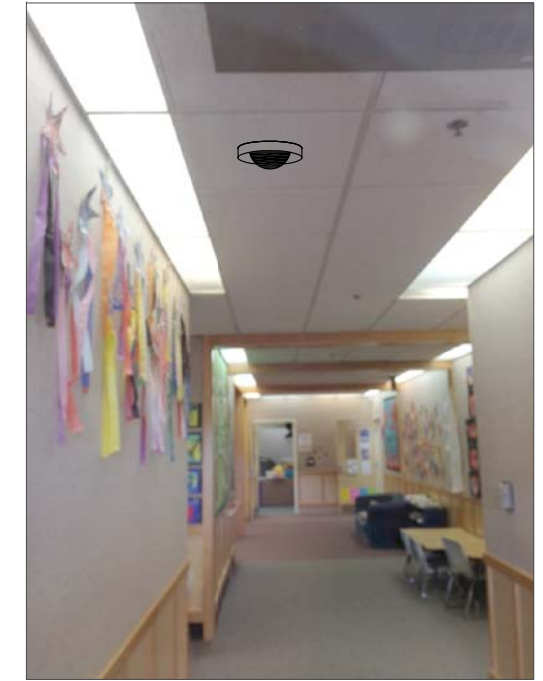
CR7- INTERIOR CAMERA, MOUNT IN CORRIDOR CEILING. ROUTE TO FIRST FLOOR IT CABINET ABOVE SUSPENDED CEILING. (4)



CR7a- CEILING MOUNT IN SOFFIT FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. THEN ROUTE IN WIREMOLD 500 RACEWAY DOWN TO EXISTING RACEWAY. THEN VIA EXISTING RACEWAY TO IT CABINET.



CR8- CEILING MOUNT IN SOFFIT, FEED FROM ABOVE SUSPENDED CEILING. THEN ROUTE IN WIREMOLD 500 RACEWAY DOWN TO EXISTING RACEWAY. THEN VIA EXISTING RACEWAY TO IT CABINET.



CR9- INTERIOR CAMERA, MOUNT IN CORRIDOR CEILING. ROUTE TO FIRST FLOOR IT CABINET ABOVE SUSPENDED CEILING.



CR9a- CEILING MOUNT IN SOFFIT, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. THEN ROUTE IN WIREMOLD 500 RACEWAY DOWN TO EXISTING RACEWAY. THEN VIA EXISTING RACEWAY TO IT CABINET.



CR10- CEILING MOUNT IN SOFFIT, FEED FROM ABOVE CEILING IN HALL. ROUTE TO FIRST FLOOR IT CABINET ABOVE SUSPENDED CEILING.



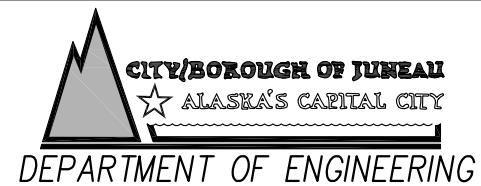
CR11- CEILING MOUNT IN SOFFIT, FEED FROM HALL ACROSS KITCHEN ABOVE CEILING THEN ACROSS TABLE STORAGE ROOMS ABOVE CEILING. ROUTE FROM HALL CEILING TO IT CABINET ON SECOND FLOOR. NIPPLE THROUGH SECOND FLOOR TO CABINET.



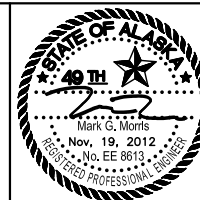
CR12, 13- MOUNT TO POLE. ROUTE CABLES DOWN INSIDE OF POLE, THEN LB OUTSIDE OF POLE AND DOWN UNDERGROUND TO BUILDING. (4)

REV	DATE	BY	DESCRIPTION

SCALE NONE
 DESIGNED MGM
 DRAWN EJY
 CHECKED MGM
 DATE NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



MORRIS ENGINEERING GROUP LLC
 12480 Mendenhall Loop Road Juneau AK 99801
 Phone: 907-789-3350
 Fax: 907-789-3360

RIVERBEND ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS

E15
 SHEET NO. E15 of E22



ASPHALT PATH- ROUTING: CUT ASPHALT PATH TO FEED CR12 & 13. PATCH CUT PAVEMENT.



CR14- WALL MOUNT, FEED FROM ABOVE CEILING. SURFACE MOUNT CONDUIT IN MECHANICAL SPACES TO IT CABINET ON SECOND FLOOR.



CR15- CEILING MOUNT, FEED THROUGH SOFFIT. SURFACE MOUNT CONDUIT IN MECHANICAL SPACES TO IT CABINET ON SECOND FLOOR. (4)



CF16- CEILING MOUNT, FEED THROUGH SOFFIT TO CONDUIT SURFACE MOUNTED TO GYPSUM CEILING, THEN ABOVE SUSPENDED CEILING IN HALL TO IT CABINET ON SECOND FLOOR. NIPPLE THROUGH SECOND FLOOR TO CABINET.

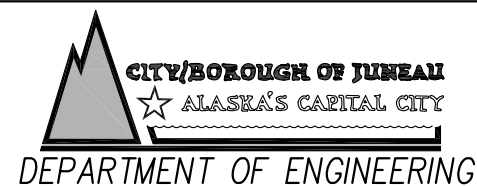
RIVERBEND ELEMENTARY SCHOOL - CAMERA SCHEDULE

CAMERA NO.	PART NO.	CAMERA TYPE	CAMERA MOUNT	PART NO.(S)	COMMENTS
CR1	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR2	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3, ADD ALT NO. 4
CR3	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR4	SEE NOTE 1	INDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR4a	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR5	SEE NOTE 1	INDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR6	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR6a	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR7	SEE NOTE 1	INDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3, ADD ALT NO. 4
CR7a	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR8	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR9	SEE NOTE 1	INDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR9a	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR10	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR11	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3
CR12	SEE NOTE 1	OUTDOOR	POLE MOUNT	IM-VEPM, WMVE-SR, PA101	SEE NOTE 2 & 4, ADD ALT NO. 4
CR13	SEE NOTE 1	OUTDOOR	POLE MOUNT	IM-VEPM, WMVE-SR, PA101	SEE NOTE 2 & 4, ADD ALT NO. 4
CR14	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CR15	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3, ADD ALT NO. 4
CR16	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTE 2 & 3

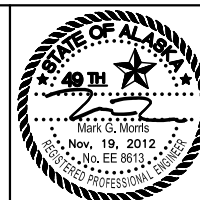
NOTES:

1. ALL CAMERA UNITS SHALL BE PELCO PART NO. IMSOLW10-1E.
2. PROVIDE ALL CAMERAS WITH A SMOKED BUBBLE LENS PELCO PART NO. LDMVE-0.
3. PROVIDE ALL RECESSED CEILING MOUNTED CAMERAS WITH 4S DEEP ELECTRICAL BOX ADAPTER PLATE PELCO PART NO. IM-VE4S.
4. PROVIDE POLE MOUNTED CAMERAS WITH POLE ADAPTER PELCO PART PA101.
5. CAMERAS CR: 2, 7, 12, 13 AND 15 ARE TO BE PROVIDED UNDER ADDITIVE ALTERNATE NO. 4.

SCALE	NONE		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



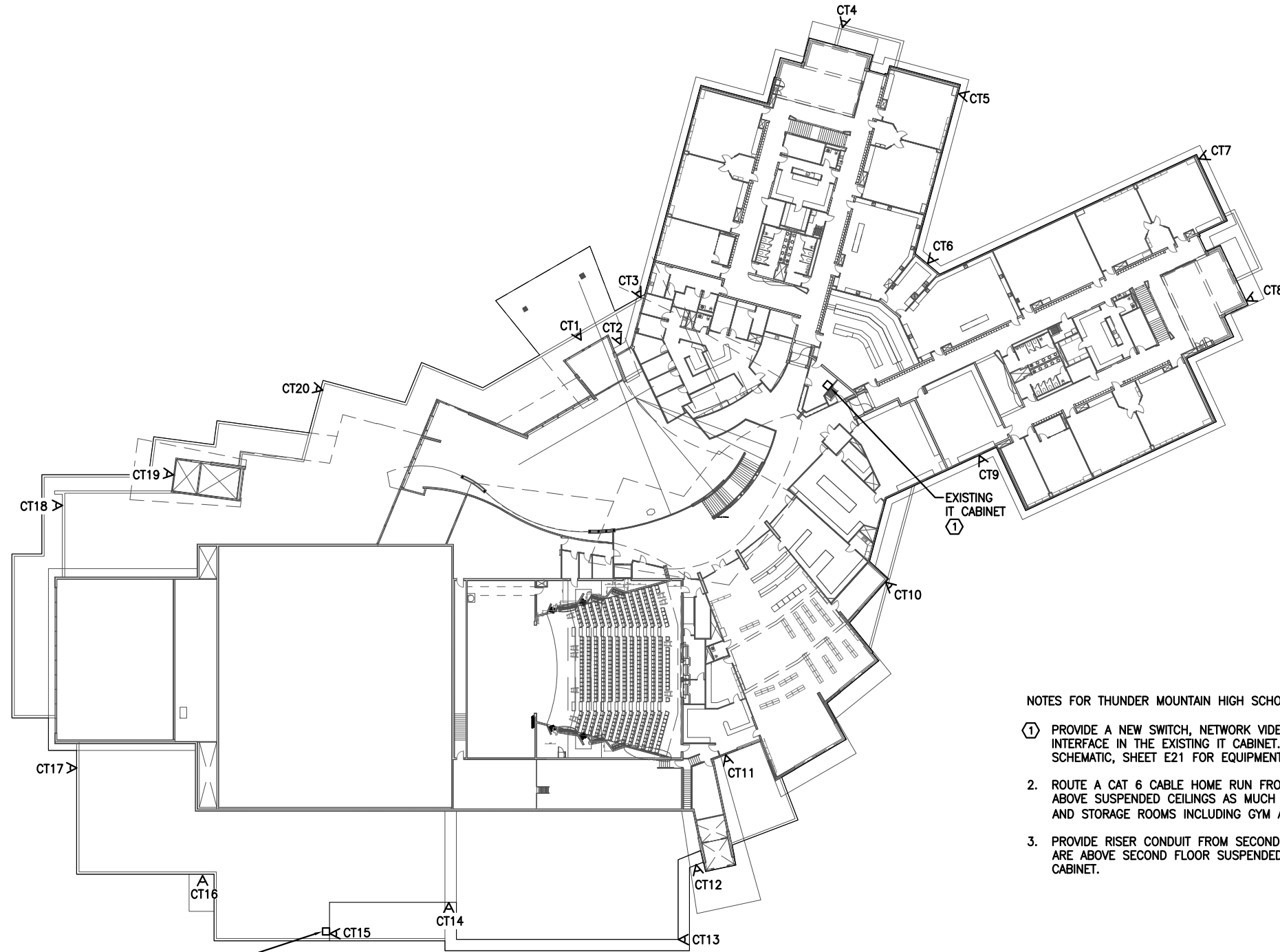
JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



RIVERBEND ELEMENTARY SCHOOL
 CAMERA PLACEMENT DETAILS & CAMERA SCHEDULE

E16

SHEET NO. E16 of E22

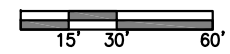


NOTES FOR THUNDER MOUNTAIN HIGH SCHOOL:

- ① PROVIDE A NEW SWITCH, NETWORK VIDEO RECORDER AND PC (PERSONAL COMPUTER) WITH USER INTERFACE IN THE EXISTING IT CABINET. FEED CAMERAS CT1-CT10 FROM THIS SWITCH. SEE SCHEMATIC, SHEET E21 FOR EQUIPMENT DESCRIPTIONS.
2. ROUTE A CAT 6 CABLE HOME RUN FROM EACH CAMERA TO THE NEW SWITCHES. ROUTE CABLES ABOVE SUSPENDED CEILINGS AS MUCH AS POSSIBLE. ROUTE IN SURFACE CONDUIT IN MECHANICAL AND STORAGE ROOMS INCLUDING GYM AND COMMONS/ENTRY AREAS.
3. PROVIDE RISER CONDUIT FROM SECOND FLOOR TO FIRST FLOOR IT CABINET. ROUTE CABLES THAT ARE ABOVE SECOND FLOOR SUSPENDED CEILING TO RISER CONDUIT DOWN TO FIRST FLOOR IT CABINET.

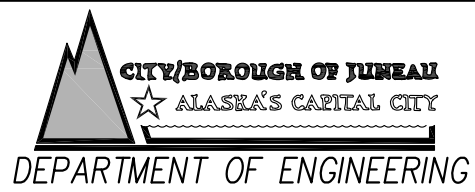
COORDINATE WITH JDS IT STAFF TO LOCATE A NEW WALLMOUNT IT CABINET WITH NEW SWITCH. FEED CT11-CT20 FROM THIS SWITCH. CONNECT THIS SWITCH TO THE NEW SWITCH IN THE EXISTING CABINET. WALLMOUNT RACK SHALL BE 22V, 19"W X 20.5D" X 38.5"H, WITH VENTS, SIDES, TOP AND BOTTOM, CLEAR FRONT DOOR WITH INTEGRAL FAN. LINIER FWM22V WITH FAN OR EQUAL.

① THUNDER MOUNTAIN HIGH SCHOOL CAMERA PLACEMENT PLAN



REV	DATE	BY	DESCRIPTION

SCALE NOTED
 DESIGNED MGM
 DRAWN EJV
 CHECKED MGM
 DATE NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



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THUNDER MOUNTAIN HIGH SCHOOL CAMERA PLACEMENT PLAN

E17
 SHEET NO. E17 of E22



CT1- CEILING MOUNT, FEED FROM ABOVE SOFFIT METAL. SURFACE MOUNT CONDUIT IN ENTRY TO WALL/CEILING. ROUTE TO NEAREST SUSPENDED CEILING, THEN ABOVE SUSPENDED CEILING TO IT CABINET.



CT2- CEILING MOUNT, FEED FROM ABOVE SOFFIT METAL INTO SPACE ABOVE SUSPENDED CEILING, THEN ABOVE SUSPENDED CEILING TO IT CABINET.



CT3- CEILING MOUNT, FEED FROM ABOVE SOFFIT METAL INTO SPACE ABOVE SUSPENDED CEILING. THEN ABOVE SUSPENDED CEILING TO IT CABINET.



CT4- WALL MOUNT, FEED FROM ABOVE INTERIOR SUSPENDED CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT5- WALL MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT6- WALL MOUNT ON SECOND FLOOR EXTERIOR WALL ABOVE CEILING IN STORAGE/PREP ROOM, FEED FROM ABOVE ROOM CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



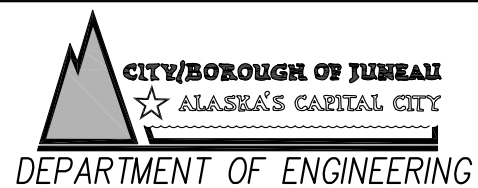
CT7- WALL MOUNT, FEED FROM ABOVE SUSPENDED CEILING IN CLASSROOM. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT8- WALL MOUNT, FEED FROM ABOVE INTERIOR SUSPENDED CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.

REV	DATE	BY	DESCRIPTION

SCALE	NONE
DESIGNED	MGM
DRAWN	EJV
CHECKED	MGM
DATE	NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



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THUNDER MOUNTAIN HIGH SCHOOL
 CAMERA PLACEMENT DETAILS



CT9- WALL MOUNT, FEED FROM SUSPENDED CEILING ABOVE CLASSROOM. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT10- WALL MOUNT, FEED FROM SUSPENDED CEILING ABOVE CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT11- EXTERIOR WALL MOUNT ABOVE INTERIOR CEILING, FEED FROM ABOVE CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT12- EXTERIOR WALL MOUNT ABOVE INTERIOR CEILING, FEED FROM ABOVE CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT13- EXTERIOR MOUNT ABOVE SUSPENDED CEILING IN CHOIR ROOM, FEED FROM ABOVE INTERIOR CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



CT14- CEILING MOUNT, FEED FROM ABOVE CORRIDOR CEILING. ROUTE ABOVE SUSPENDED CEILING TO IT CABINET.



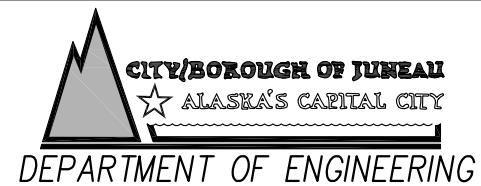
CT15- CEILING MOUNT, FEED FROM SURFACE CONDUIT IN BOILER ROOM. ROUTE CONDUIT TO ABOVE SUSPENDED CEILING IN CORRIDOR THEN TO IT CABINET.



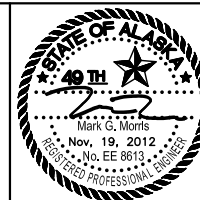
CT16- CEILING MOUNT, FEED FROM SURFACE CONDUIT IN BOILER ROOM. ROUTE CONDUIT TO ABOVE SUSPENDED CEILING IN CORRIDOR THEN TO IT CABINET.

REV	DATE	BY	DESCRIPTION

SCALE NONE
 DESIGNED MGM
 DRAWN EJW
 CHECKED MGM
 DATE NOV, 2012



JSD SECURITY CAMERA INSTALLATIONS
 CBJ CONTRACT NO. E13-164



THUNDER MOUNTAIN HIGH SCHOOL
 CAMERA PLACEMENT DETAILS

E19
 SHEET NO.
 E19 of E22



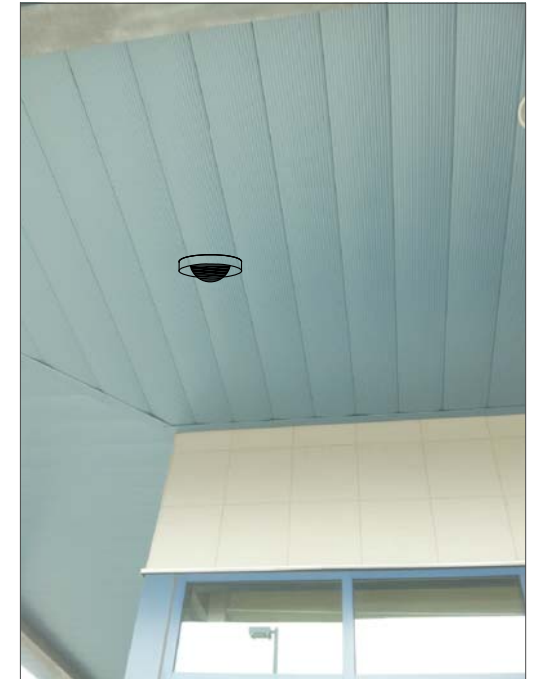
CT17- WALL MOUNT, FEED FROM ABOVE CEILING IN LOCKER ROOM TO HALLWAY CEILING, THEN ABOVE HALLWAY CEILING TO IT CABINET.



CT18- CEILING MOUNT, FEED FROM ABOVE CEILING IN WEIGHT ROOM, THEN ABOVE HALLWAY CEILING TO IT CABINET.



CT19- CEILING MOUNT, FEED FROM ABOVE CEILING IN WEIGHT ROOM, THEN ABOVE HALLWAY CEILING TO IT CABINET.



CT20- CEILING MOUNT, FEED FROM SURFACE MOUNTED CONDUIT IN ENTRY ROUTED TO ABOVE SUSPENDED CEILING TO HALLWAY THEN TO IT CABINET.

SPARE CAMERA EQUIPMENT

PART NO.	DESCRIPTION	QUANTITY
IMSOLW10-1E	CAMERA	15
LDIMVE-0	SMOKED DOME LENS	15
IM-VE4S	4S ELECTRICAL BOX ADAPTER	6
IM-VEPM	PENDANT MOUNT	10
DS SRV-120 DVD	NETWORK VIDEO RECORDER	1
WMVE-SR	WALL MOUNT	10
PA101	POLE MOUNT	1
IM-VESM	SURFACE MOUNT RING	1

NOTE:

1. PROVIDE SPARE CAMERA PARTS AS SHOWN. DELIVER TO OWNER AT ADDRESS IN JUNEAU SUPPLIED BY OWNER.

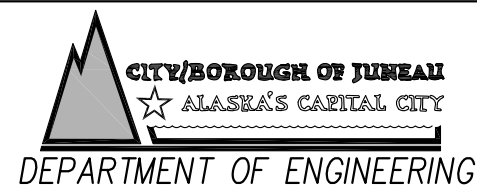
THUNDER MOUNTAIN HIGH SCHOOL - CAMERA SCHEDULE

CAMERA NO.	PART NO.	CAMERA TYPE	CAMERA MOUNT	PART NO.(S)	COMMENTS
CT1	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT2	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT3	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT4	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT5	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT6	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT7	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT8	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT9	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT10	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT11	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT12	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT13	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT14	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT15	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT16	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT17	SEE NOTE 1	OUTDOOR	WALL	IM-VEPM, WMVE-SR	SEE NOTE 2
CT18	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT19	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3
CT20	SEE NOTE 1	OUTDOOR	CEILING, RECESSED	IM-VE4S	SEE NOTES 2 & 3

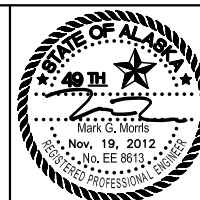
NOTES:

1. ALL CAMERA UNITS SHALL BE PELCO PART NO. IMSOLW10-1E.
2. PROVIDE ALL CAMERAS WITH A SMOKED BUBBLE LENS PELCO PART NO. LDIMVE-0.
3. PROVIDE ALL RECESSED CEILING MOUNTED CAMERAS WITH 4S DEEP ELECTRICAL BOX ADAPTER PLATE PELCO NO. IM-VE4S.

SCALE	NONE		
DESIGNED	MGM		
DRAWN	EJV		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



JSD SECURITY CAMERA INSTALLATIONS
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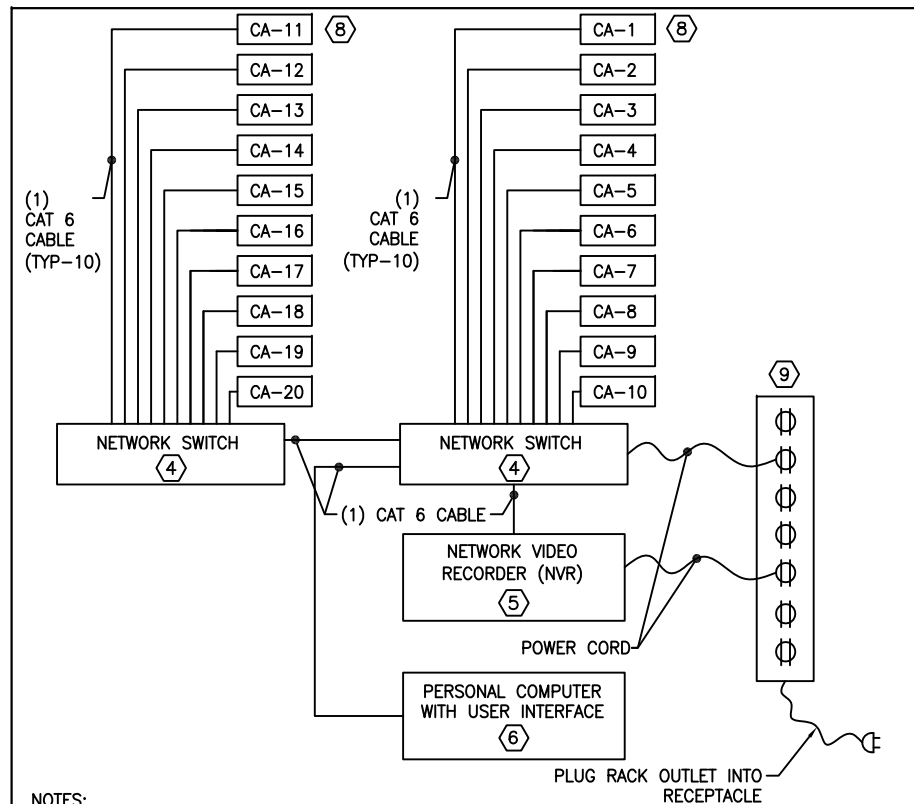


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THUNDER MOUNTAIN HIGH SCHOOL
 CAMERA PLACEMENT DETAILS & CAMERA SCHEDULE

E20

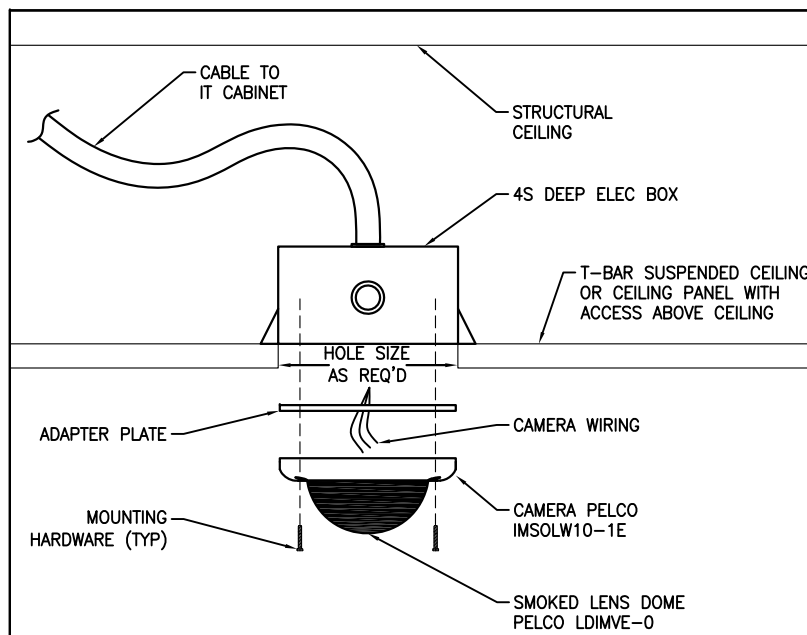
SHEET NO. E20 of E22



NOTES:

- PROVIDE GREEN JACKETED CABLES FOR VIDEO SECURITY SYSTEM CAT 6 CABLES. ALL VIDEO SECURITY SYSTEM CABLING SHALL BE PLENUM RATED.
- PROVIDE VIDEO SECURITY EQUIPMENT IN A FLOOR MOUNTED EQUIPMENT RACK. SEE VIDEO RACK ELEVATION SHEET E4.06.
- NOT USED.
- 24 PORT 10/100 ETHERNET SWITCH WITH POWER OVER INTERNET (IEEE802.3AF) CAPABILITY. LINKSYS SFE2000P OR EQUAL. USE EXISTING NETWORK SWITCH IN SCHOOL IT CABINET WHERE SHOWN.
- PROVIDE A PELCO NETWORK VIDEO RECORDER PART NO. DSSRV-120DVD. EIGHT CAMERA LICENSES ARE INCLUDED. PROVIDE ADDITIONAL LICENSES FOR TOTAL NO. OF CAMERAS. CAMERA LICENSES PART NO. DS-SW-CAM.
- PROVIDE A PELCO USER INTERFACE PART NO. PELCO DS CONTROL POINT CLIENT USER INTERFACE. LOAD THE USER INTERFACE ON A PC WITH THE MINIMUM REQUIREMENTS: INTEL PENTIUM 2.4 GHZ WITH HYPER THREADING TECHNOLOGY (MIN) 1 GB INTERNAL MEMORY (MIN) OPERATING SYSTEM PER JSD IT, 256MB RAM DUAL HEAD WITH DIRECTX 9.0c VIDEO. (KAPPLER COMPUTERS 907-780-3600)
- PROVIDE ALL NVR AND VIDEO SYSTEM PROGRAMMING AS NECESSARY (INCLUDING AIMING CAMERAS PER OWNER DIRECTION AND FOCUSING CAMERAS) FOR COMPLETE SETUP OF VIDEO SECURITY SYSTEM, INCLUDING STANDARD CAMERA SETUP WORK, RECORDING LOOP SETUP, ETC.
- INDOOR/ OUTDOOR, DAY/ NIGHT, FIXED IP CAMERA WITH POWER OVER ETHERNET. (POE). PELCO IMSOLW10-1E. SEE PLAN SHEETS FOR QUANTITY OF CAMERAS FOR EACH SCHOOL.
- RACK MOUNTED POWER STRIP WITH SURGE PROTECTION AND MINIMUM 14 RECEPTACLES.

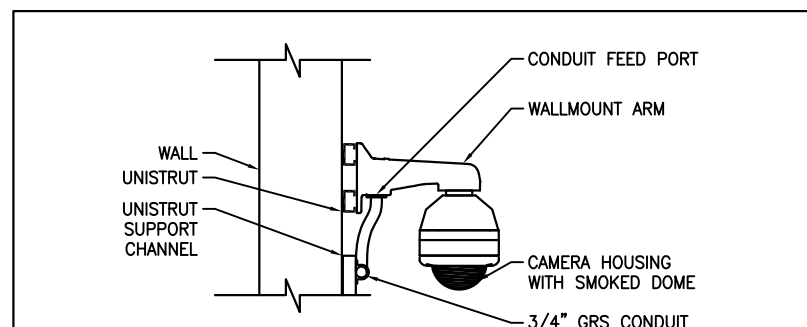
1 VIDEO SECURITY SCHEMATIC
NO SCALE



2 CAMERA CEILING RECESSED MOUNTING DETAIL
NO SCALE

NOTES:

- THIS DETAIL IS A GENERAL GUIDELINE ONLY. PROVIDE CAMERA CEILING MOUNT KIT & MOUNTING HARDWARE PER CAMERA MANUFACTURER REQUIREMENTS.
- LOCATE CAMERAS TO AVOID OBSTACLES AND PROVIDE AIMING PER CAMERA EQUIPMENT SCHEDULE.

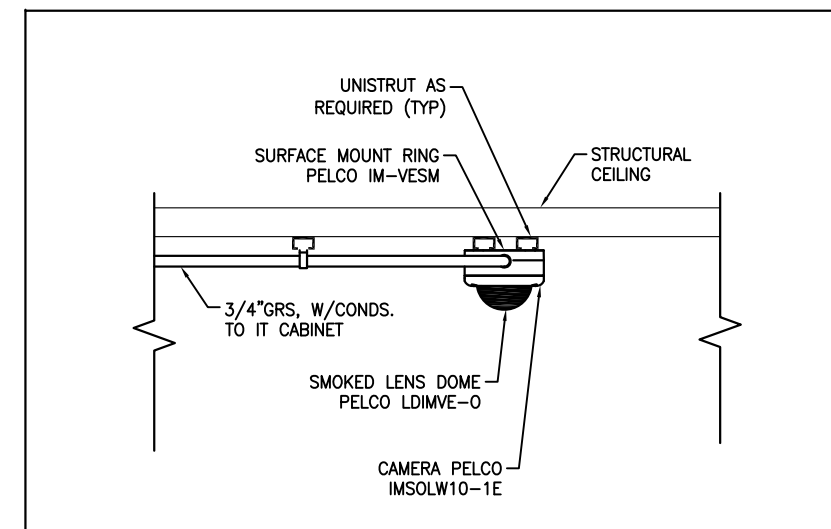


3 CAMERA SURFACE FED WALLMOUNT DETAIL
NO SCALE

NOTES:

- THIS DETAIL IS A GENERAL GUIDELINE ONLY. PROVIDE CAMERA WALL MOUNT KIT & MOUNTING HARDWARE PER CAMERA MANUFACTURER REQUIREMENTS.
- LOCATE CAMERAS TO AVOID OBSTACLES AND PROVIDE AIMING PER CAMERA EQUIPMENT SCHEDULE.
- FEED WITH FLEX CONDUIT FROM J-BOX MOUNTED NEXT TO CAMERA ON WALL.
- UNISTRUT MAY BE OMITTED IF NOT NEEDED. A SECURE STRUCTURAL MOUNT IS REQUIRED (SAFETY FACTOR OF 4 MIN).

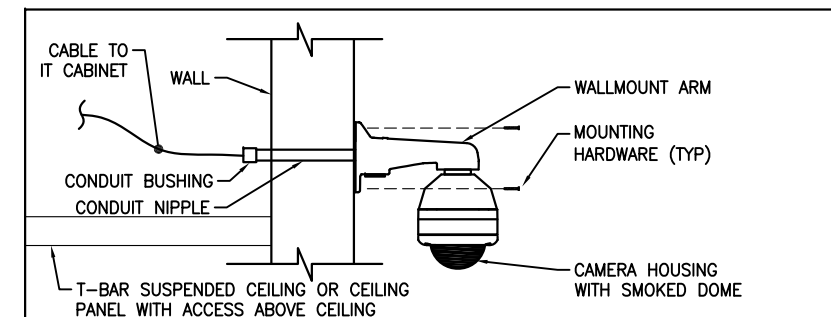
1 GENERAL CAMERA DETAILS
NO SCALE



4 CAMERA CEILING SURFACE MOUNTING DETAIL
NO SCALE

NOTES:

- THIS DETAIL IS A GENERAL GUIDELINE ONLY. PROVIDE CAMERA CEILING MOUNT KIT & MOUNTING HARDWARE PER CAMERA MANUFACTURER REQUIREMENTS.
- LOCATE CAMERAS TO AVOID OBSTACLES AND PROVIDE AIMING PER CAMERA EQUIPMENT SCHEDULE.



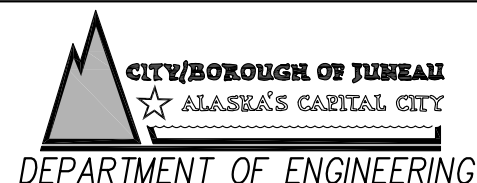
5 CAMERA WALLMOUNT MOUNTING DETAIL
NO SCALE

NOTES:

- THIS DETAIL IS A GENERAL GUIDELINE ONLY. PROVIDE CAMERA WALL MOUNT KIT & MOUNTING HARDWARE PER CAMERA MANUFACTURER REQUIREMENTS.
- LOCATE CAMERAS TO AVOID OBSTACLES AND PROVIDE AIMING PER CAMERA EQUIPMENT SCHEDULE.
- FEED FROM ABOVE SUSPENDED CEILING TO BACK OF CAMERA.

REV	DATE	BY	DESCRIPTION

SCALE	NOTED
DESIGNED	MGM
DRAWN	EJV
CHECKED	MGM
DATE	NOV, 2012



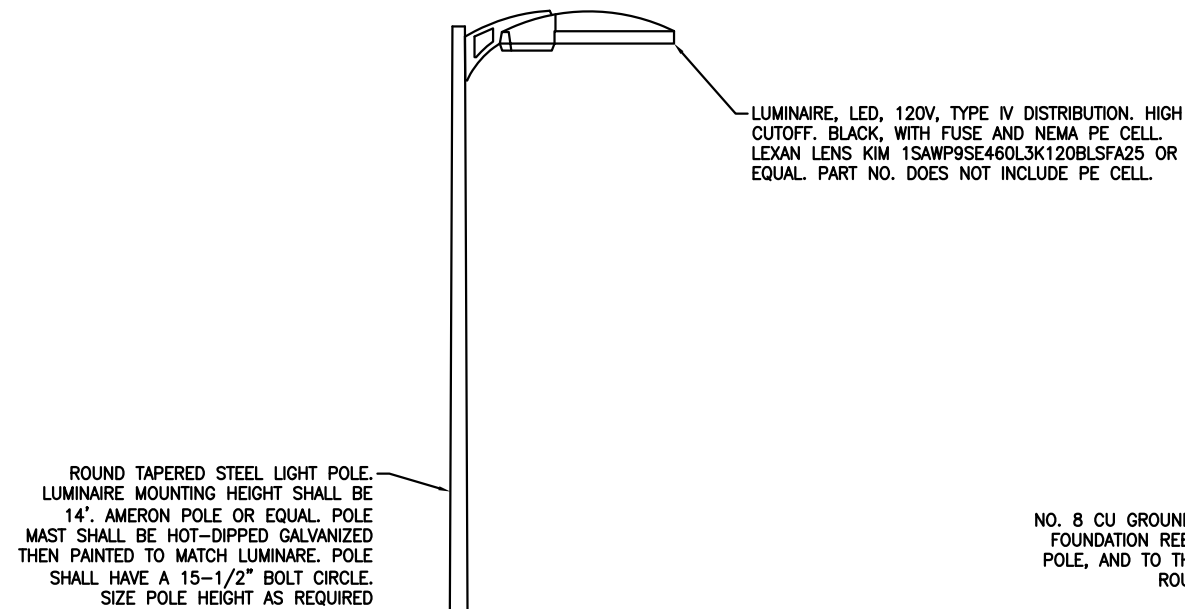
JSD SECURITY CAMERA INSTALLATIONS
CBJ CONTRACT NO. E13-164



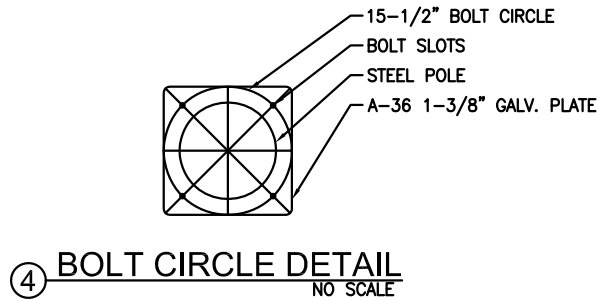
GENERAL CAMERA DETAILS

E21

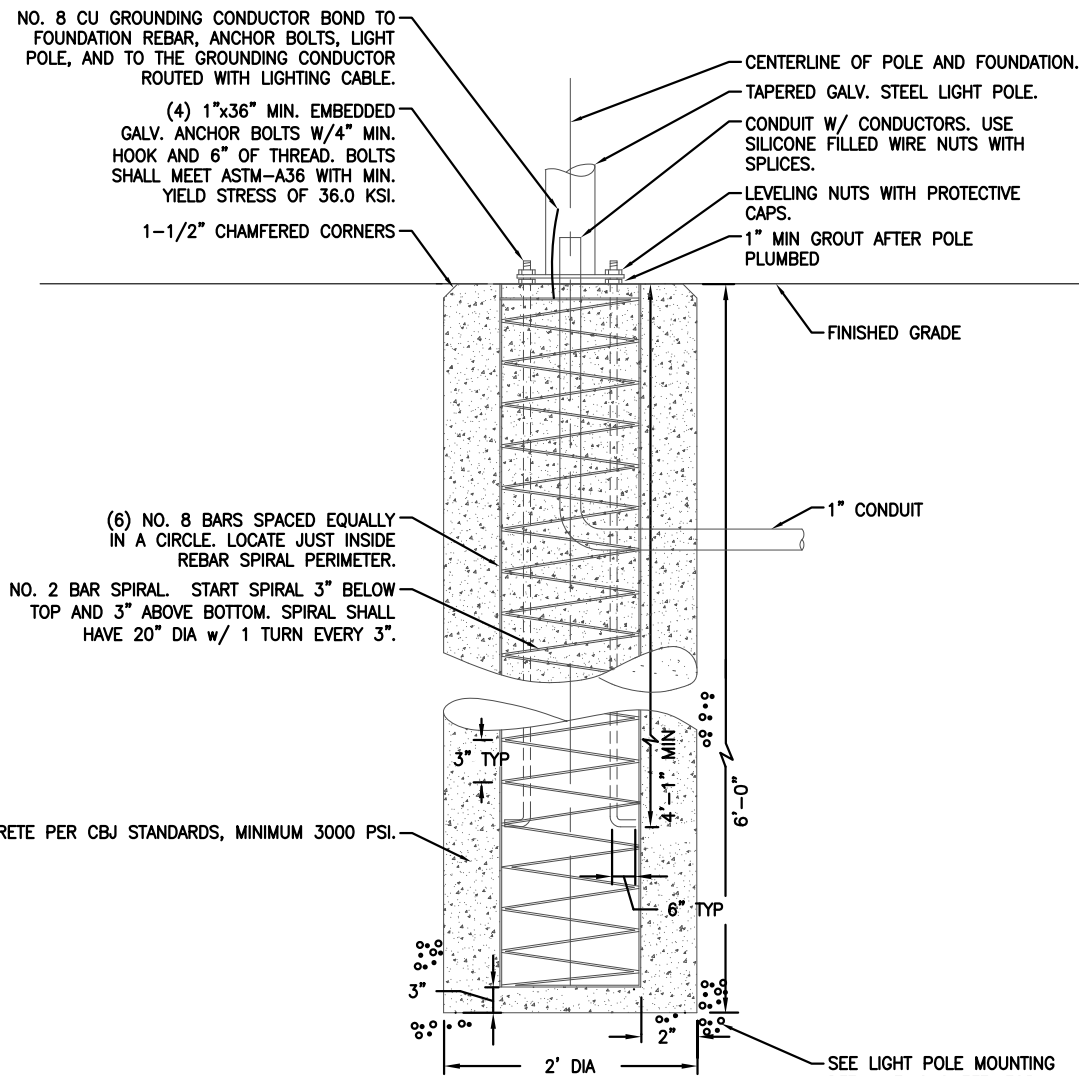
SHEET NO.
E21 of E22



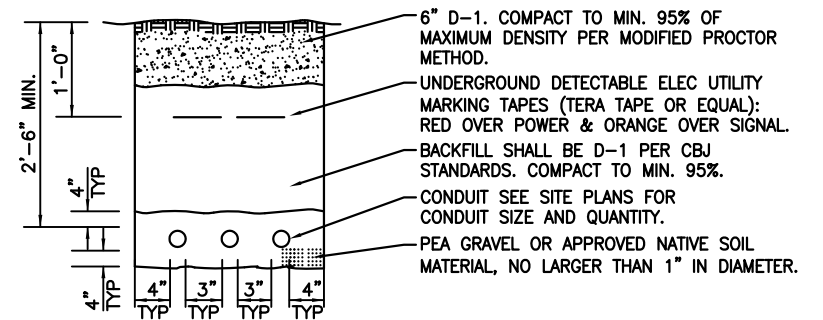
① LIGHT POLE AND JUNCTION BOX DETAILS
NO SCALE



④ BOLT CIRCLE DETAIL
NO SCALE



② LIGHT POLE BASE DETAIL
NO SCALE

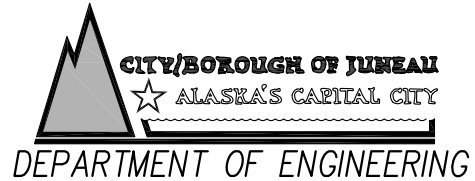


③ TRENCH DETAIL - NON PAVED AREAS
NO SCALE

- NOTES:
1. ALL SPLICES SHALL BE IN BASE OF POLE, UNLESS OTHERWISE NOTED.
 2. PROVIDE GROUNDING BUSHINGS ON CONDUIT.
 3. PROVIDE DOUBLE FUSED CONNECTOR KITS IN BASE OF POLE. SEC NO. 1791-DF OR EQUAL.
 4. LOCATE THE CENTER OF THE LIGHT POLE WHERE SHOWN ON PLAN SHEETS.
 5. SIZE POLE WITH LUMINAIRE FOR 90 MPH SUSTAINED WINDS WITH GUSTS TO 110 MPH, EXPOSURE B (IBC 2003)
 6. PROVIDE WITH (2) 24" LONG BANNER ARMS WITH SPRING MOUNTS. BRITTEN BANNER SAVER OR EQUAL. MOUNT TO POLE AT HEIGHTS PER OWNER. WWW.BRITTENBANNERS.COM.
 7. PROVIDE A HAND HOLE AND THE BASE OF THE POLE FOR ACCESS TO ALLOW SPlicing CONDUCTORS INSIDE POLE.
 8. PROVIDE A SECOND HAND HOLE AT 10' ABOVE THE POLE BASE.
 9. MOUNT CAMERAS AT 11' AND 11'-6" ABOVE POLE BASE.

- NOTES:
1. ALL DIMENSIONS ARE MINIMUM.
 2. THE LOCATION OF ALL EXISTING PIPING, CONDUIT, ETC MAY NOT BE WHERE SHOWN AND MAY NOT BE SHOWN. ALL LOCATIONS THAT ARE SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED. OBTAIN UTILITY LOCATES PRIOR TO DIGGING. DIG WITH CAUTION. AVOID WATER, SEWER, DRAINAGE PIPES AND OTHER CONFLICTS.
 3. MAINTAIN 12 INCHES MINIMUM SEPARATION (ALL DIRECTIONS) BETWEEN POWER AND OTHER EXISTING CONDUITS, PIPES, ETC.
 4. CUT & REPLACE EXISTING ASPHALT, CONCRETE, CONCRETE CURB, GUTTER, SIDEWALK, ETC AS NECESSARY.
 5. ALL TRENCHES SHALL BE 18" WIDE MIN. COMPACT BACKFILL TO 95%.
 6. MODIFY CONDUIT BURIAL DEPTH WHERE SHOWN ON DRAWINGS AND AS REQUIRED TO AVOID ALL OBSTACLES.

SCALE	NOTED		
DESIGNED	MGM		
DRAWN	JDM		
CHECKED	MGM		
DATE	NOV, 2012		
REV	DATE	BY	DESCRIPTION



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