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BEXLEY POLICE FACILITY
559 NORTH CASSINGHAM ROAD
BEXLEY, OHIO 43209

BIDDING DOCUMENTS
CONSTRUCTION DOCUMENTS
ADDENDUM

PROJECT NO.: BXT06

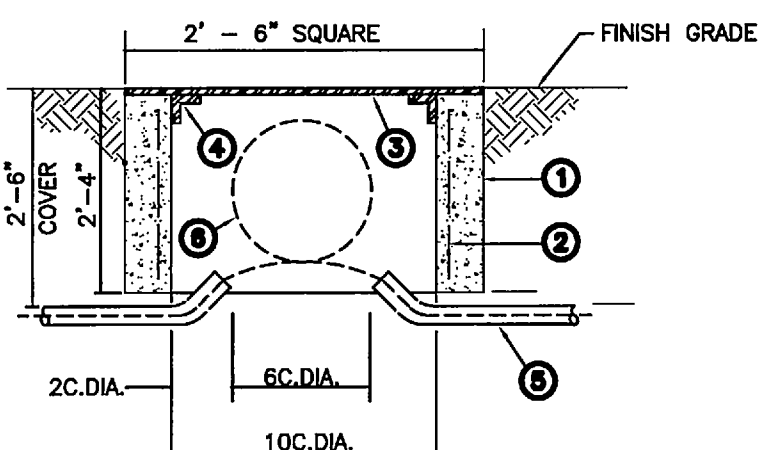
ELECTRICAL LEGEND
FIXTURES &
DETAILS
E400

LUMINAIRE SCHEDULE

FIXTURE SYMBOL	LAMPS				FIGURE VOLTAGE	MANUFACTURER & CATALOG NO.	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	TRIM COLOR					MOUNTING		SIZE (N.)			SEE NOTE
	QUANTITY			WATTS/LAMP					WHITE	BLACK	ALUMINUM	BRONZE	STANDARD	SEE NOTE	S---SURFACE R---RECESSED SM---STEM MTD. WM---WALL MTD. C---CHAIN MTD. UC---UNDER CAB. CS---CELL SURFACE	DIAMETER OR WIDTH	LENGTH	DEPTH	
	FLUOR.	INCAN.	H.I.D.																
A1	2			32	F32T8/SP35/ECO	120	WILLIAMS # 12-4-332-RA12125	COLUMBIA, LITHONIA	.125 ACRYLIC LENS	●					S	24	48	4	
AS2	3			32	SEE NOTE 1	120	KENALL #SCH4-0/0-332-RS120-1/9-TN	MORELITE, FAILSAFE	.250 POLYCARBONATE .125 ACRYLIC OVERLAY	●					S	20	48	4.5	1,3
A3	2			32	F32T8/SP35/ECO	120	WILLIAMS # 17-4-2-32-A	COLUMBIA, LITHONIA	CLEAR ACRYLIC PRISMATIC	●					S	10.75	48	3	4
B1	2			28	F28W15/835/ECO	120	WILLIAMS # HETG-S24-228TSS-A	COLUMBIA, LITHONIA	ACRYLIC LENS	●					R	24	48	3.5	5
B2	2			32	F32T8/SP35/ECO	120	WILLIAMS # 50G-S24-232-SA12125	COLUMBIA, LITHONIA	.125 ACRYLIC LENS	●					R	24	48	4.5	
B3	2			14	F14W15/835/ECO	120	WILLIAMS # HETG-S22-214TSS-A	COLUMBIA, LITHONIA	ACRYLIC LENS	●					R	24	24	3.5	
BS1	3			17	F17T8/SP35/ECO	120	LITHONIA #2VRT-G317-VL	COLUMBIA, LITHONIA	.250 POLYCARBONATE .125 ACRYLIC OVERLAY	●					R	24	24	4.5	
BS2	3			32	F32T8/SP35/ECO	120	LITHONIA #2VRT-G332-VL	COLUMBIA, LITHONIA	.250 POLYCARBONATE .125 ACRYLIC OVERLAY	●					R	24	48	4.5	
B4	2			28	F28W15/835/ECO	120	WILLIAMS # HETG-S24-228TSS-A (2 BALLAST)	COLUMBIA, LITHONIA	ACRYLIC LENS	●					R	24	48	3.5	
C1	4			32	F32T8/SP35/ECO	120	KENALL #SH596-432EB2	MORELITE	.156 PRISMATIC POLYCARBONATE	●					WM	5.2	96.75	3.8	
C2	1			32	F32T8/SP35/ECO	120	LITHONIA #EJSA-132-GE8	COLUMBIA, LSI	5% MINIMUM UPLIGHT REFLECTOR	●					C	12	48	4.25	
D1	2			32	F32T8/SP35/ECO	120	WILLIAMS # A1WP33-4-232-F	COLUMBIA, LITHONIA	UPLIGHT/PERF	●					WM	6	48	3	
D2	2			18	F18W15/SP35/RS	120	WILLIAMS # A1WP33-2-218T4-F	COLUMBIA, LITHONIA	UPLIGHT/PERF	●					WM	6	24	3	
E1	1			18	F26T8/SP35/A/4P	120	INDESSA # 455-1CFQ18-WHT	DM LIGHTING	NONE	●					WM	7	11.5	3.5	
E2	1			100	100A	120	KENALL #H69LCA1001120	LITHONIA, HUBBELL	PRISMATIC ACRYLIC	●					WM	6	9	4.5	
E3	2			90	90PAR/HR/SP12XL	120	HUBBELL RACO # 5625-0	APPLETON	4" ROUND COVER - TWIN LAMP HOLDERS	●		GRAY			S	4.5	8	3.75	
E4	1			100	MXR100/U/MED	120	ACCULITE # DW100PS120	HUBBELL, LITHONIA	GASKETED LENS TEMPERED GLASS	●					WM ABOVE DOOR	11.5	13	9	
F1	1			42	F42T8/SP35/A/4P	120	JUNO #CV8-142T-DB120-820C-WH (DIMMABLE)	LITHONIA, PRESCOLITE	LOW IRRIDESCENT SPECULAR	●					R	8	DIA	10.75	
F2	1			26	F26T8/SP35/A/4P	120	JUNO # CV8-126T-800C-WH	LITHONIA, PRESCOLITE	LOW IRRIDESCENT SPECULAR	●					R	8	DIA	10.75	
F3	1			42	F42T8/SP35/A/4P	120	JUNO # CV8-142T-800FL-WH (LENSED)	LITHONIA, PRESCOLITE	8" FRESNEL LENS TRIM	●					R	8	DIA	10.75	
F4	1			32	F32T8/SP35/A/4P	120	JUNO # CV8-132T-800C-WH	LITHONIA, PRESCOLITE	LOW IRRIDESCENT SPECULAR	●					R	8	DIA	10.75	
F5	1			32	F32T8/SP35/A/4P	120	JUNO # CV8-132T-800C-WWS-WH	LITHONIA, PRESCOLITE	WALL WASH REFLECTOR	●					R	8	DIA	10.75	
F6	1			32	F32T8/SP35/A/4P	120	JUNO # CH8-132T-850C-WH	LITHONIA, PRESCOLITE	LOW IRRIDESCENT SPECULAR	●					R	8	DIA	10.75	
J1					INTEGRAL LED	120	BRUCK # 135231-1MC; DRIVER # 70415	LITHONIA, JUNO	NONE	●					WM ● 8" AFF	2	DIA	1.5	
K1	1			70	MXR70/U/MED	120	GARCO # 107-WT-70MH-120-OC	-	WIDE THROW REFLECTOR				2		WM ● 12.5" AFG	11.5	21.25	7.5	
K2	1			175	MXR175/VBU/PA	120	GARCO # 107-FT-175MH-120-OC-QS-PTF	-	FORWARD THROW REFLECTOR				2		WM ● 20" AFG	11.5	21.25	7.5	
PL1	1			250	MVR250/VBU/PA	120	GARCO # G18-1-Q-250MH-120-OC/RA5-28M-OC	-	TYPE V PATTERN				2		POLE MT. ● 30" AFG	18	31.5	6.5	
T1	1			50	50PAR30	120	JUNO # R552WH	PRESCOLITE, LITHONIA	NONE						TRACK MTD FIXTURE	4.5	5	5	
						120	2 - 4' SECTIONS OF 120V TRACK	PRESCOLITE, LITHONIA							CS				
EM1					INTEGRAL MR16	120	EMERGI-LITE # PRO-2	LITHONIA, DUAL-LITE	RED STENCIL	●					WM ● 8" AFF	5	11	5.5	
X1					INTEGRAL LED	120	EMERGI-LITE # LX1RWCU	LITHONIA, DUAL-LITE	RED STENCIL	●					UNIVERSAL	5	16	3.25	
X2					INTEGRAL LED	120	EMERGI-LITE # LX2RWCU	LITHONIA, DUAL-LITE	RED STENCIL	●					UNIVERSAL	5	16	3.25	

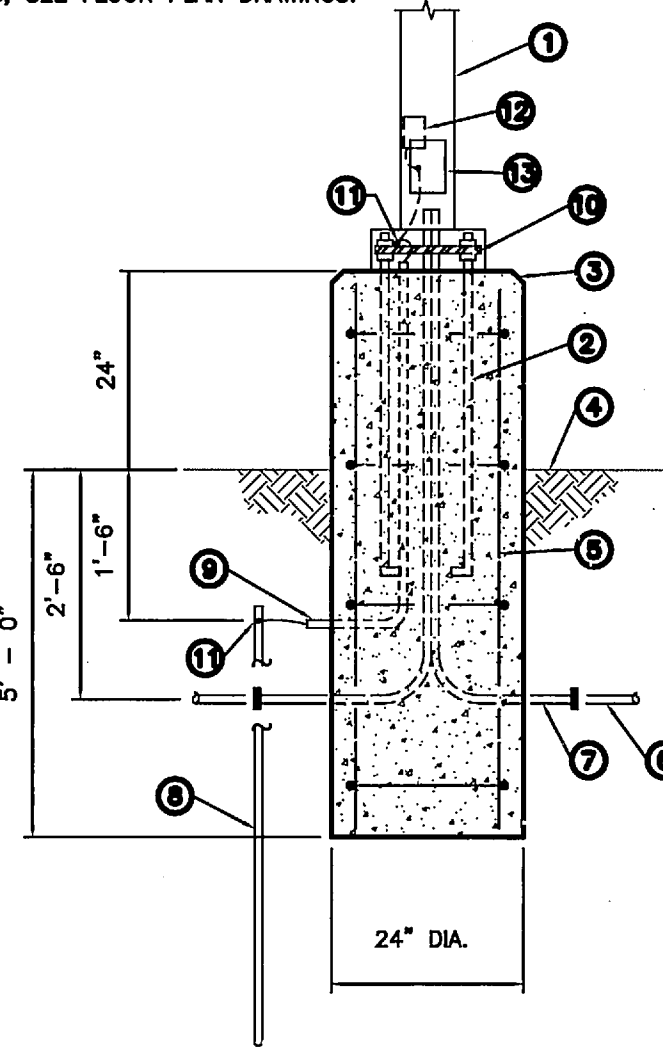
GENERAL NOTES

- VERIFY ALL CEILING TYPES WITH ARCHITECT PRIOR TO ORDERING LUMINAIRES AND PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION SUCH AS MOUNTING KITS FOR CONCEALED SPLINE CEILINGS IN SECURED AREAS OF THE BUILDING.
- ALL RECESSED INCANDESCENT AND HID LUMINAIRES SHALL BE THERMALLY PROTECTED.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CODE REQUIRED CLEARANCES FROM INSULATION.
- ALL LUMINAIRES UTILIZING COMPACT FLUORESCENT LAMPS (PL, BIAX, ETC.) SHALL BE PROVIDED WITH HIGH POWER FACTOR BALLASTS.
- ALL FLUORESCENT LUMINAIRES SHALL UTILIZE ELECTRONIC BALLASTS.
- ALL SURFACE CEILING MOUNTED & SURFACE WALL MOUNTED SECURITY LIGHTING SHALL BE PROVIDED WITH A MOUNTING PLATE & EPOXY CAULKING TO SEAL COMPLETELY BETWEEN THE MOUNTING PLATE & THE CEILING OR WALL WITHOUT RESTRICTING LUMINAIRE DOOR OPENING.
- FOR EXIT LUMINAIRE DIRECTIONAL ARROW REQUIREMENTS, SEE FLOOR PLAN DRAWINGS.



- 5" CONCRETE WALLS, FOUR SIDES.
- 1/2" DIA. REIN. STEEL-10" OC BOTH WAYS.
- 1/4" CHECKERED STEEL PLATE COVER.
- 2"x2"x1/4" L WELDED TO PLATE TWO SIDES ONLY-1/4" CLEARANCE FIT.
- UNDERGROUND DUCT-TURN UP ● 45 DEG.
- CONDUCTORS-LOOP/PULL OR SPLICE.

GROUND PULLBOX
SCALE: NONE
E400



TYPE PL1 POLE BASE
SCALE: NONE
E400

SCHEDULE NOTES

- PROVIDE THIS FIXTURE WITH THREE (3) G.E. # F32T8/SP35/ECO LAMPS AND ONE (1) #F7BX/SPX41/840 LAMP.
- ARCHITECT TO PICK FINISH COLOR.
- SEAL BETWEEN GROUTING PLATE AND CEILING TO ELIMINATE CONTRABAND HIDING PLACES.
- LAMP SLEEVES SHALL BE PROVIDED FOR LINEAR FLUORESCENT LAMPS.
- FOUR (4) FIXTURES OF THIS TYPE SHALL BE EQUIPPED WITH TWO BALLASTS FOR DUAL LEVEL INBOARD/OUTBOARD SWITCHING.

- SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.
- ANCHOR BOLTS BY POLE SUPPLIER, WELD TO REBARS
- CHAMFERED EDGE
- FINISH GRADE, COMPACT TO 95%.
- SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.
- PVC CONDUIT, SCHEDULE 40.
- RIGID GALVANIZED STEEL CONDUIT.
- GROUND ROD
- 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.
- BASE PLATE, LEVELING NUTS, GROUT BASE.
- EXOTHERMICALLY WELDED GROUND CONNECTION.
- LIGHTNING ARRESTOR
- HANDHOLE

NOMENCLATURE

- ELECTRICALLY HELD 120V COIL RELAY WITH 2 N.O. & 2 N.C. 600V, 20 AMP CONTACTS IN A NEMA 1 ENCLOSURE. ASCO. POTTER-BRUNFIELD. SQ.D.
- EMERGENCY LUMINAIRES. QUANTITY AS INDICATED ON FLOOR PLANS.
- ROOM SWITCH LEG.
- NON-SWITCHED EMERGENCY LIGHTING CIRCUIT TO EXIT LUMINAIRES

○ - WHERE THIS SYMBOL IS INDICATED ON THE PLAN DRAWINGS, PROVIDE DROP-OUT RELAY AS INDICATED ON THIS DETAIL, TO ALLOW SWITCHING OF THE EMERGENCY EGRESS LUMINAIRES

5 LIGHTING CONTROL MICRO PANEL SEE E02-2

EMERGENCY LIGHTING BY-PASS RELAY
SCALE: NONE
E400

LEGEND

- E.C. ELECTRICAL CONTRACTOR
H.C. HVAC CONTRACTOR
P.C. PLUMBING CONTRACTOR
F.P.C. FIRE PROTECTION CONTRACTOR
G.C. GENERAL CONTRACTOR
E.S. EQUIPMENT SUPPLIER
N.I.E.C. NOT IN ELECTRICAL CONTRACT
WP WEATHERPROOF
EM EMERGENCY
AFF ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS
MH MOUNTING HEIGHT TO CENTERLINE OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS
CKT CIRCUIT
OFFT GROUND FAULT FEED THRU
NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH NOTE IS SHOWN.
DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH NOTE IS SHOWN.
EQUIPMENT REFERENCE SYMBOL.
ROOM NUMBER.
SECTION "A" DESIGNATION FROM PLAN E2, SHOWN ON SHEET E5.
DETAIL B SHOWN ON SHEET E2.
ELECTRICAL CONNECTION REQUIRED.
EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.
LIGHTING FIXTURE; CAPITAL LETTER DENOTES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
LIGHTING FIXTURE ON EMERGENCY CIRCUIT.
DOOR LOCK CONTROL DATA:
DOOR LOCK IDENTIFICATION NUMBER
DOOR INTERLOCK GROUP NUMBER
DECS PANEL CONTROL LOCATION-"M" INDICATES MASTER CONTROL.
EMERGENCY EVACUATION RELEASE LEVEL
UTILITY CONTROL DATA:
DECS PANEL CONTROL LOCATION-"M" INDICATES MASTER CONTROL LOCATION IN DISPATCH.
"P" INDICATES PHOTO CELL
CONTROL SYMBOL-"I" INDICATES INDIVIDUAL CONTROL PER DEVICE OR FIXTURE, "G" INDICATES GROUP CONTROL PER ROOM OR AREA.
GROUP CONTROL NUMBER.
DECS DATA LOGGING STATION (BOX BELOW RAISED FLOOR)
DECS TOUCH SCREEN STATION (BOX BELOW RAISED FLOOR)
TIME CLOCK PROXIMITY READER
INTERIOR PROXIMITY READER
EXTERIOR WEATHERPROOF PROXIMITY READER
MONITOR AND DUBBING STATION (18" MH)
CCTV KEYBOARD
CCTV MONITOR

LEGEND CONTINUED

- EM WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
A-1&2 EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL; NUMBER DENOTES CIRCUIT.
WIRE & CONDUIT IN WALL OR ABOVE CEILING.
WIRE & CONDUIT IN OR BELOW FLOOR SLAB OR BELOW GRADE.
JUNCTION BOX.
20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" M.H.).
SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" M.H.) TWO-GANG ASSEMBLY.
20A-125V DUPLEX RECEPTACLE, NEMA 5-20R. (46" M.H.).
20A-125V SPLIT DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH (18" M.H.).
20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.).
20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, (HORIZONTAL 18" M.H.), WITH TAYMAC #10310 STANDARD COVER, VERTICAL MOUNT.
20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.), WITH TAYMAC #20310 STANDARD COVER, VERTICAL MOUNT.
20A-125V TAMPERPROOF DUPLEX RECEPTACLE, NEMA 5-20R. (18" M.H.).
20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
20A-125V DUPLEX RECEPTACLE NEMA 5-20R, WITH ISOLATED GROUND (18" M.H.).
SINGLE POLE WALL SWITCH (46" M.H.).
TWO POLE WALL SWITCH (46" M.H.).
THREE-WAY WALL SWITCH (46" M.H.).
FOUR-WAY WALL SWITCH (46" M.H.).
SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" M.H.).
KEY OPERATED WALL SWITCH (46" M.H.).
LIGHTING DIMMER SWITCH (46" M.H.) 1000 WATT UNLESS OTHERWISE INDICATED.
HP RATED WALL SWITCH (46" M.H.).
OCCUPANCY SENSING WALL SWITCH (46" M.H.).
CEILING MOUNTED OCCUPANCY SENSOR.
DISCONNECT SWITCH.
MOTOR STARTER.
COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
ELECTRIC MOTOR.
CIRCUIT BREAKER PANEL, SURFACE MOUNTED.
POWER PANEL OR SWITCHBOARD, SURFACE MOUNTED.
PULLBOX.
DATA OUTLET (18" M.H. EXCEPT WHEN SUBSCRIPT "W" IS SHOWN, MOUNT AT 46" M.H.). SINGLE GANG OUTLET BOX WITH BLANK COVERPLATE. STUB A 3/4" BUSHED CONDUIT OUT ABOVE ACCESSIBLE CEILING. PROVIDE TWO(2) DATA JACKS UNLESS OTHERWISE NOTED. CABLING BACK TO COMMUNICATIONS EQUIPMENT ROOM.
TELEPHONE CONDUIT.
TELEPHONE OUTLET (18" M.H. EXCEPT WHEN SUBSCRIPT LETTER IS SHOWN, "W" INDICATES 46" M.H., "P" INDICATES 48" M.H.). STUB A 3/4" BUSHED CONDUIT OUT ABOVE ACCESSIBLE CEILING. PROVIDE DATA JACK AND CABLING WITH WALL PHONE MOUNTING PLATE.
FIRE ALARM HORN & SIGNAL LIGHT (80" A.F.F.). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
FIRE ALARM SIGNALING LIGHT (80" A.F.F.). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
FIRE ALARM SENDING STATION (46" M.H.).
CEILING MOUNTED SMOKE DETECTOR.
CEILING MOUNTED HEAT DETECTOR.
DUCT MOUNTED SMOKE DETECTOR (S/SUPPLY, R/RETURN).
WATER FLOW SWITCH.
VALVE SUPERVISORY SWITCH.
DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT.
SMOKE DAMPER.
PUSHBUTTON (46" M.H.) EDWARDS 852 (120 VOLT).
FLUSH MOUNTED CEILING SPEAKER.
COMBINATION TELEVISION ANTENNA, CONTROL AND DUPLEX RECEPTACLE UNDER TWO-GANG COVERPLATE IN DIVIDED BACKBOX (90" M.H.). PROVIDE "F" CONNECTOR AND DATA JACK WITH CABLING.
DETENTION GRADE LOCK SET BY GC. WIRED FOR CONTROL BY EC.
ARCHITECTURAL GRADE MAGNETIC DOOR SWITCH, MOUNTED AT HEAD OF DOOR JAMB.
CLOSED CIRCUIT SURVEILLANCE CAMERA (90" M.H.).
SECURITY SYSTEM INTERCOM STATION (46" M.H.).
SECURITY SYSTEM INTERCOM MASTER STATION (46" M.H.).
A/V UPLINK OUTLET (18" MH) 2-GANG BOX WITH BLANK COVER AND 1-1.25 C. TO ABOVE ACCESSIBLE CEILING.
FUTURE CEILING MOUNTED PROJECTOR. PROVIDE 120V-20A CIRCUIT CONNECTION IN J-BOX ABOVE CEILING.
FLUSH MOUNTED CEILING SPEAKER.
SURFACE MOUNTED SPEAKER (84" M.H.).
INTERIOR PAGING HORN (84" M.H.).
EXTERIOR PAGING HORN (12'-0" M.H.).
ADDRESSABLE AIR PRESSURE SWITCH, WIRE INTO FIRE ALARM.
LIGHTING CONTROL RELAY - SEE NOTES AND DETAILS