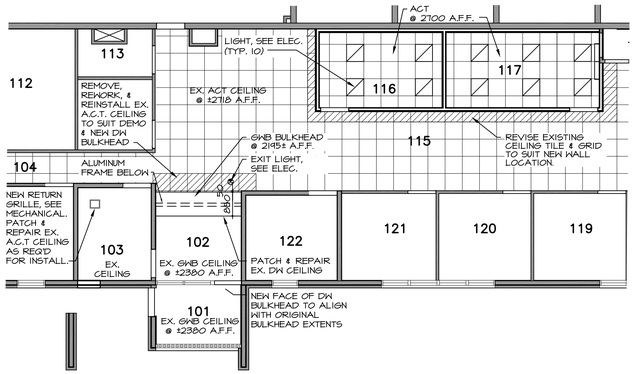
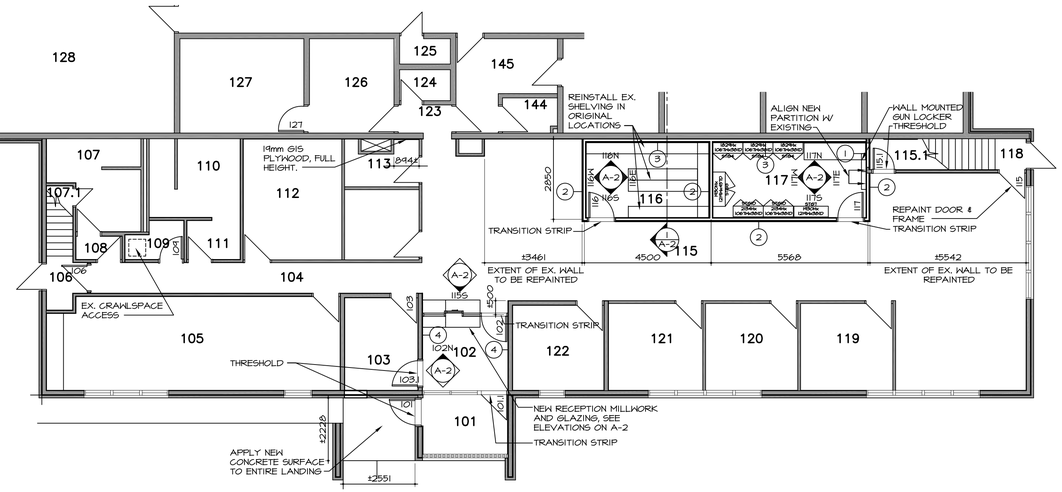


4 PARTIAL REFLECTED CEILING PLAN – 1:100



3 PARTIAL MAIN FLOOR PLAN – 1:100

PARTITION SCHEDULE:

(1)
DEMOLITION NOTES:
REMOVE EXISTING GWB DOWN TO EXISTING WOOD STUDS ON BOTH SIDES. INFILL EXISTING DOOR OPENING W/ WOOD STUDS TO MATCH THICKNESS OF EXISTING.

CONSTRUCTION:
16 TYPE 'X' GYPSUM WALL BOARD (ROOM 117 SIDE)
EXISTING 38x84 WD STUD INFILL / EXISTING WD STUD
84 MINERAL FIBRE BATT INSULATION.
19 #9/10 ROLLED FLATTENED STEEL MESH. (ROOM 115.1 SIDE)
16 TYPE 'X' GYPSUM BOARD

(2)
1 HOUR FRR
16 TYPE 'X' GYPSUM BOARD
19 #9/10 ROLLED FLATTENED STEEL MESH (ROOM 115 SIDE OF STUDS TYPICAL, AND ROOM 116 SIDE OF STUDS AT PARTITION BETWEEN 116 AND 117)
38x84 WOOD STUD WALL @ 300o.c. (FULL HEIGHT TO U/S OF GYPSUM BOARD ON ROOF TRUSSES, REFER TO DETAIL 1/A-2).
84 MINERAL FIBRE BATT INSULATION
16 TYPE 'X' GYPSUM BOARD

(3)
16 TYPE 'X' GYPSUM BOARD
19 #9/10 ROLLED FLATTENED STEEL MECH
38x84 WOOD STUD FURRING @ 300o.c. (FULL HEIGHT TO U/S OF GYPSUM BOARD ON ROOF TRUSSES, REFER TO DETAIL 1/A-2)
EX. C.B. WALL

(4)
DEMOLITION NOTES:
REMOVE EXISTING 19x184 T&G 'V' JOINT ON RM. 102 SIDE.
REMOVE EXISTING 13 GYPSUM BOARD ON RM. 102 SIDE.
VERIFY EXISTING SOUND INSULATION IS IN STUD CAVITIES.
NOTIFY DEPARTMENTAL REPRESENTATIVE IF NO SOUND INSULATION IS PRESENT.

CONSTRUCTION:
FILL STAGGERED STUD VOID WITH SOUND INSULATION IF MISSING.
NEW 13 GYPSUM BOARD, PAINTED

PARTITION NOTES:
REFER TO DETAILS 2 & 3/A-2 FOR ALL LOCATIONS WITH FLATTENED STEEL MESH.

DEMOLITION NOTES:

AT ALL AREAS OF DEMOLITION (INCLUDING MECHANICAL, STRUCTURAL & ELECTRICAL DEMOLITION), GENERAL CONTRACTOR TO PATCH AND REPAIR ALL SURFACES THAT REMAIN TO MATCH EXISTING AND ACCEPT NEW FINISHES. REFER TO FLOOR PLANS FOR NEW CONSTRUCTION.

GENERAL CONTRACTOR TO CONFIRM WITH OWNER, PRIOR TO DEMOLITION, WHICH ITEMS ARE TO BE OWNER'S SALVAGE. THESE ITEMS ARE TO BE REMOVED BY THE CONTRACTOR AND STORED ON SITE AS DIRECTED BY OWNER.

CELL NOTES (TYPICAL ALL 9 HOLDING CELLS - REFER TO KEY PLAN):
- REMOVE ALL PENAL FIXTURES. REPLACE W/ NEW. SEE MECHANICAL.
-GRIND DOWN EXISTING EPOXY FLOORING WHERE PENAL FIXTURE REMOVED. PATCH, REPAIR LEVEL, AND MAKE FLOOR READY TO ACCEPT NEW EPOXY FLOORING. NEW EPOXY FLOORING TO MATCH EXISTING. SEE DTL. 4/ A-2
- CAULK ALL EXISTING SUPPLY & EXHAUST GRILLES WITH SECURITY CAULK, FULL PERIMETER. 18 LOCATIONS CONFIRM ON SITE
- EXISTING LIGHTS TO BE REMOVED AND REPLACE WITH NEW. CAULK ALL NEW LIGHTS WITH SECURITY CAULK, FULL PERIMETER. SEE ELECTRICAL.
-PATCH AND REPAIR ALL SURFACES AFFECTED BY DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.

(1) REMOVE EXISTING FREESTANDING BENCH

(2) REMOVE EXISTING DOOR, FRAME AND ALL ASSOCIATED HARDWARE.

(3) REMOVE EXISTING DEMOUNTABLE PARTITIONS.

(4) REMOVE PORTION OF DW & WD FRAMED WALL TO ALLOW FOR INSTALLATION OF RELOCATED DOOR.

(5) REPLACE EXISTING DOOR HARDWARE, PATCH &REPAIR DOOR TO SUIT NEW HARDWARE.

(6) REMOVE EXISTING CEILING TILE, GRID & LIGHTS IN THEIR ENTIRETY. SALVAGE CEILING TILE FOR REUSE. REFER TO ELECTRICAL.

(7) REMOVE EXISTING MILLWORK COUNTER AND GLAZING IN ITS ENTIRETY.

(8) REMOVE EXISTING CEILING TILE, GRID, DW BULKHEAD & LIGHTS IN THEIR ENTIRETY, REFER TO ELECTRICAL.

(9) REMOVE LOW WALL AND ASSOCIATED SAFETY GLASS.

(10) REMOVE EX. WOOD FRAMED WING WALL.

(11) REMOVE EXISTING RUBBER CONCRETE COVER. APPROXIMATE AREA 5.8 SQ. M. CONFIRM ON SITE. GRIND LANDING APPROXIMATELY 9mm DOWN TO PREPARE FOR NEW CONCRETE SURFACE. ENSURE MINIMUM 2% SLOPE AWAY FROM BUILDING.

(12) REMOVE EX. SHEET VINYL FLOORING. PREPARE SURFACE FOR INSTALLATION OF NEW FLOORING.

(13) REMOVE EX. WOOD PANELING AND GYPSUM BOARD DOWN TO EXISTING STUDS. VERIFY EXISTING STAGGERED STUDS ARE WITH SOUND INSULATION.

(14) EX. DOOR, FRAME & HARDWARE TO BE REMOVED AND RELOCATED AS INDICATED ON PLAN.

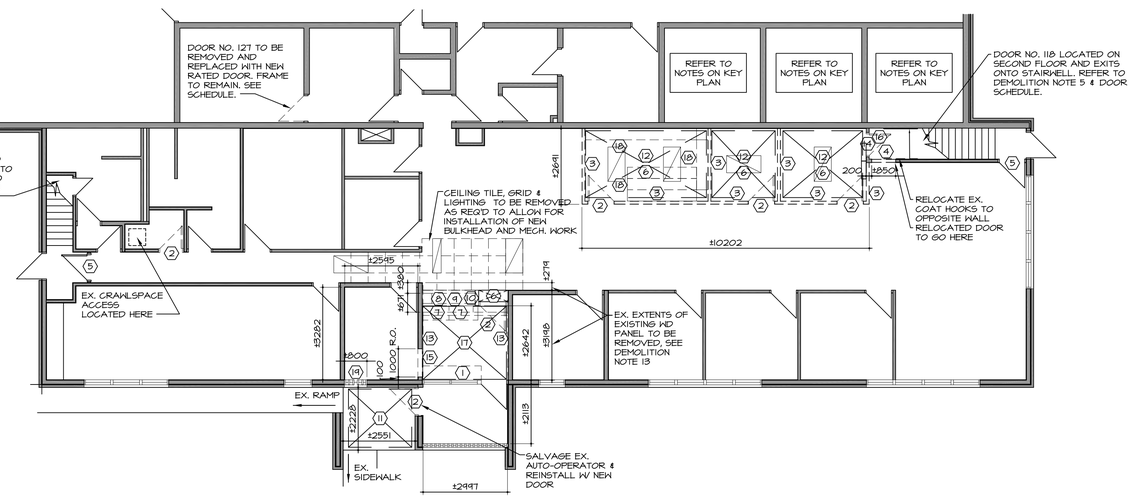
(15) REMOVE PORTION OF WALL, RE-FRAME AS REQUIRED & RELOCATE EXISTING RECEPTACLE TO ACCOMMODATE NEW DOOR, REFER TO ELECTRICAL.

(16) REMOVE DW DOWN TO EX. WOOD STUDS ON ROOM 115.1 SIDE FROM FLOOR TO U/S OF EXISTING DW CEILING

(17) REMOVE EXISTING CERAMIC TILE. APPROXIMATE AREA 8 SQ. M.

(18) REMOVE EXISTING ROLLING SHELVES IN THEIR ENTIRETY INCLUDING RAILS, STOPS, ETC. (TYPICAL 2 UNITS). REMOVE EXISTING FIXED PERIMETER SHELVING. COORDINATE WITH OWNER TO STORE ON SITE. SHELVES & TRACKS TO BE REINSTALLED ONCE ROOM FINISHING IS COMPLETE.

(19) EXISTING WINDOW TO BE REMOVED IN ITS ENTIRETY.
INFILL WALL AS PER DTL. 5&6 / A-2



2 PARTIAL MAIN DEMOLITION PLAN – 1:100

DOOR SCHEDULE

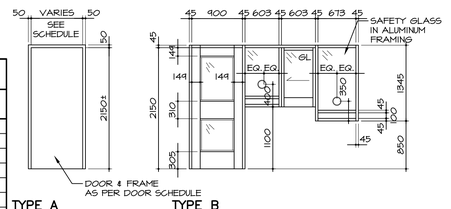
NO.	TYPE	SIZE	DOOR TYPE	FRAME TYPE	DETAILS (A-3)	RAT'G (MIN)	REMARKS
101	A	900 X 2150 X 45±	HMI	PS 222±	11, 12, 13	--	REUSE & REINSTALL EX. AUTO-OPERATOR
101.1	EX.	EX.	EX.	EX.	--	--	---
102	B	900 X 2150 X 45	ALUM.	ALUM.	14, 15, 16	--	---
103	EX.	EX.	EX.	EX.	--	--	---
103.1	A	900 X 2150 X 45	HM	PS 197±	9, 10	--	REQUIRES 46 STC
106	EX.	EX.	EX.	EX.	--	--	NEW HARDWARE, SEE SPECIFICATION
106.1	EX.	EX.	EX.	EX.	--	--	NEW HARDWARE, SEE SPECIFICATION
109	A	800 X 2150 X 45±	HM	PS 146±	6	45	---
115	EX.	EX.	EX.	EX.	--	--	NEW HARDWARE, SEE SPECIFICATION
115.1	EX.*	750± X 2150± X 45±	EX.	EX.	7	--	*RELOCATED
116	A	900 X 2150 X 45	HM	PS 159	8	45	---
117	A	900 X 2150 X 45	HM	PS 159	8	--	---
118	EX.	EX.	EX.	EX.	--	--	NEW HARDWARE, SEE SPECIFICATION
127	A	900± X 2150± X 45±	HM	EX.	--	45	FRAME TO REMAIN, NEW DOOR

ROOM FINISH SCHEDULE

ALL PAINTED SURFACES IN ROOMS WITH WALLS NOTED AS 'P' ARE TO BE PAINTED.
TRANSITION STRIPS AT CENTER OF DOORS WHERE FLOORING CHANGE OCCURS.

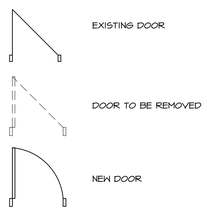
NO.	FLOOR	BASE	N WALLS		E		S		W		CEILING		HEIGHT	REMARKS
	MAT.	MAT.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.		
101	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	EX.	---
102	CT	CT	GWB	P	EX. GWB	P	EX. GWB	P	EX.GWB	P	EX.GWB	P	EX. ±2380	PAINT NEW BULKHEADS
103	EX.	100 R.BASE	EX.	P	EX.GWB	P	EX./GWB	P	EX.	P	EX.	P	EX.	---
115	EX.	EX. / 100 R.BASE	GWB/EX.	P	GWB/EX.	P	EX.	--	GWB/EX.	P	EX.	EX.	EX.	---
115.1	EX.	EX.	EX.GWB	P	EX.GWB	P	EX.GWB	P.	GWB	P	EX.GWB	P	EX.	---
116	LINO	100 R.BASE	EX.GWB	P	GWB	P	GWB	P	GWB	P	A.C.T.	--	2700 A.F.F.	---
117	LINO	100 R.BASE	EX.GWB	P	GWB/EX.GWB	P	GWB	P	GWB	P	A.C.T.	--	2700 A.F.F.	---

DOOR ELEVATIONS – 1:50

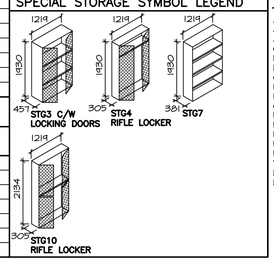


TYPE A TYPE B

DOOR TYPE SCHEDULE



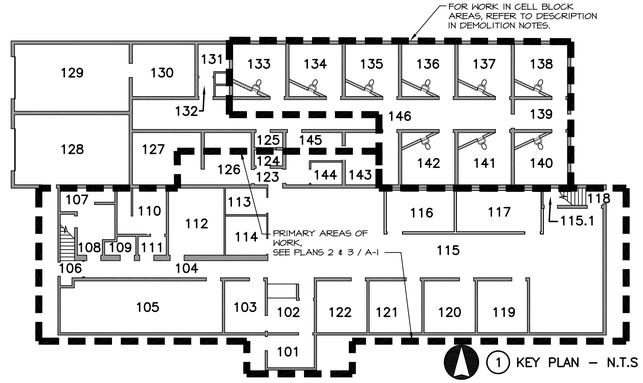
SPECIAL STORAGE SYMBOL LEGEND



LIST OF ABBREVIATIONS:

A.C.T.	-	ACOUSTIC CEILING TILE
A.F.F.	-	ABOVE FINISHED FLOOR
ALUM	-	ALUMINUM
C/W	-	COMPLETE WITH
DTL.	-	DETAIL
DW	-	DRYWALL
GL	-	GLAZING
HM	-	HOLLOW METAL
HMI	-	HOLLW METAL INSULATED
O.C.	-	ON CENTER
P	-	PAINT
P.LAM	-	PLASTIC LAMINATE
PLY	-	PLYWOOD
PS	-	PRESSED STEEL
R	-	RUBBER
V.I.F.	-	VERIFY IN FIELD
W	-	WITH
WD	-	WOOD

LIST OF DRAWINGS:



1 KEY PLAN – N.T.S

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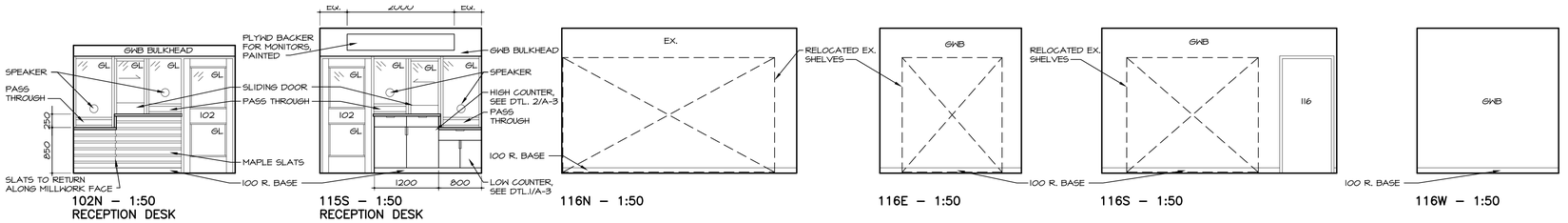
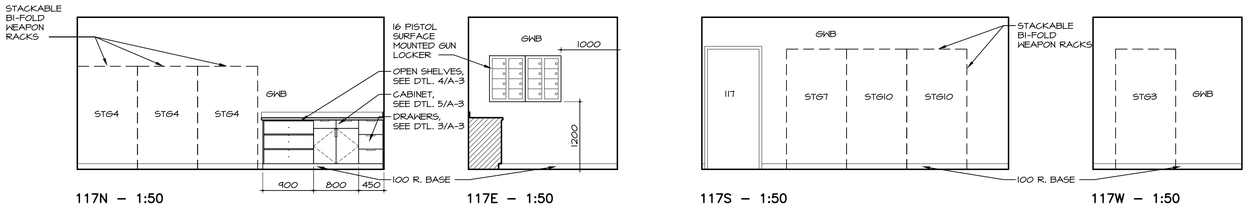
July 27, 2018

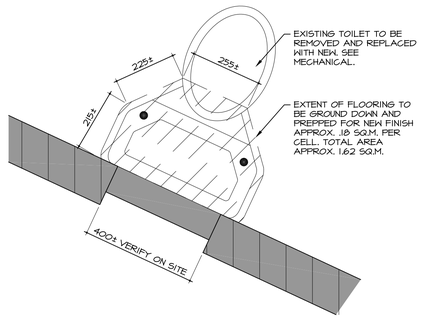
INTERIOR RENOVATIONS
319 1ST AVENUE
MEADOW LAKE, SASKATCHEWAN

KEY PLAN
PLANS
SCHEDULES

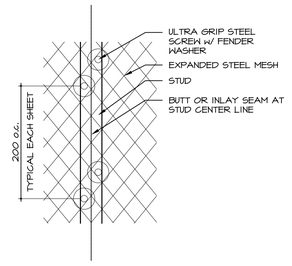
DRAWN	TL
CHECKED	DL
DATE	2018.07.25
PROJECT No.	18-01
DRAWING No.	A-1



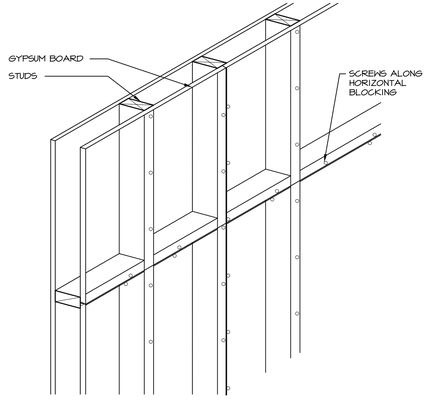




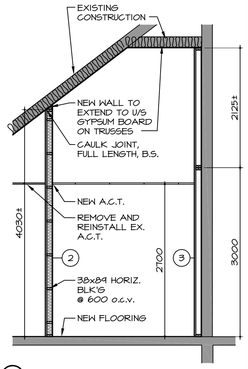
4 CELL PLUMBING – 1:10
TYPICAL ALL 9 CELLS



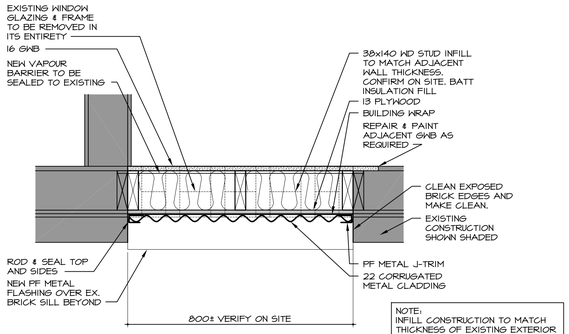
3 MESH ATTACHMENT – 1:5



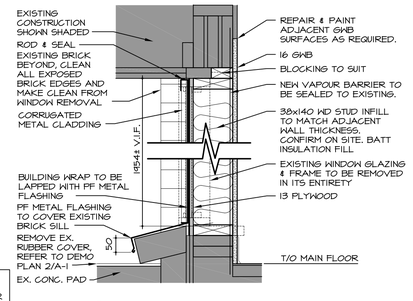
2 MESH ATTACHMENT – 1:10



1 PARTIAL SECTION – 1:50



6 WINDOW INFILL – 1:10



5 WINDOW INFILL – 1:10

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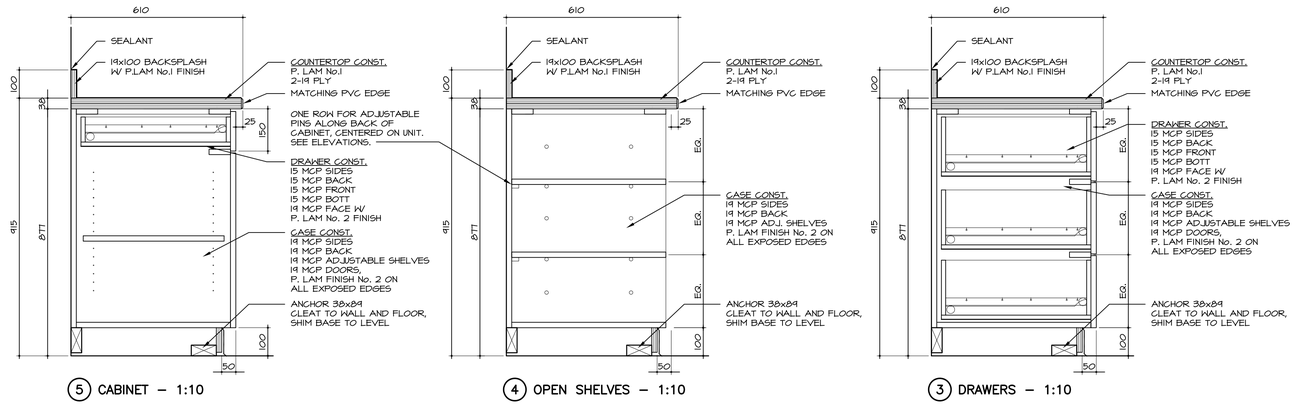
ELEVATIONS
DETAILS

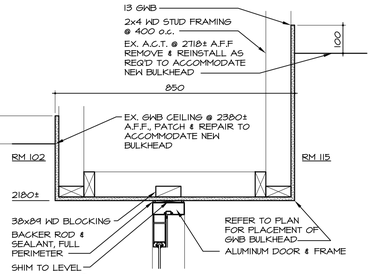
DRAWN	TL
CHECKED	DL
DATE	2018.07.25
PROJECT No.	18-01
DRAWING No.	A-2



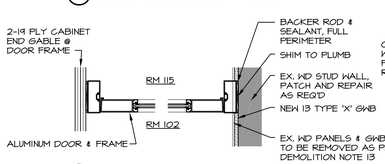
5 CABINET – 1:10

4 OPEN SHELVES – 1:10

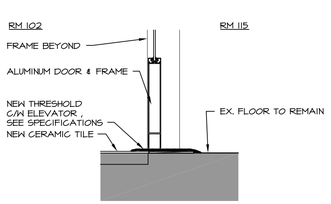
3 DRAWERS – 1:10



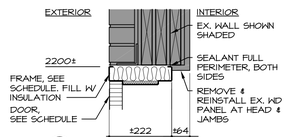
14 DOOR 102 HEADER – 1:10



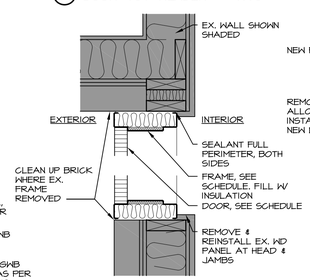
15 DOOR 102 JAMBS – 1:10



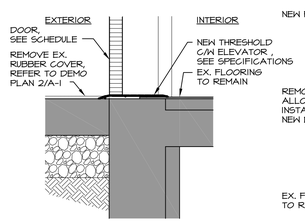
16 DOOR 102 THRESHOLD – 1:10



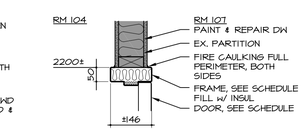
11 DOOR 101 HEADER – 1:10



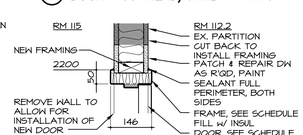
12 DOOR 101 JAMBS – 1:10



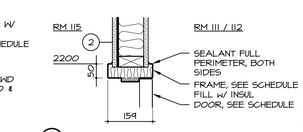
13 DOOR 101 THRESHOLD – 1:10



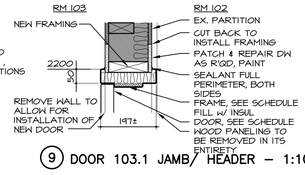
6 DOOR 109 HEAD/JAMB – 1:10



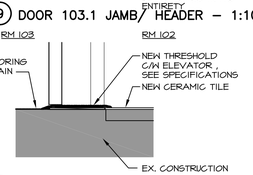
7 DOOR 115.1 HEAD/JAMB – 1:10



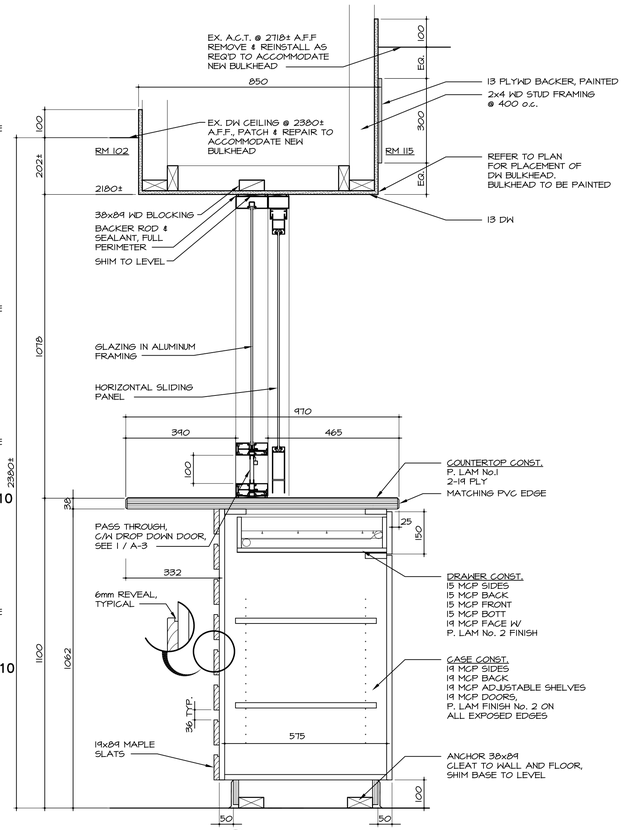
8 DOOR 116&117 HEAD/JAMB – 1:10



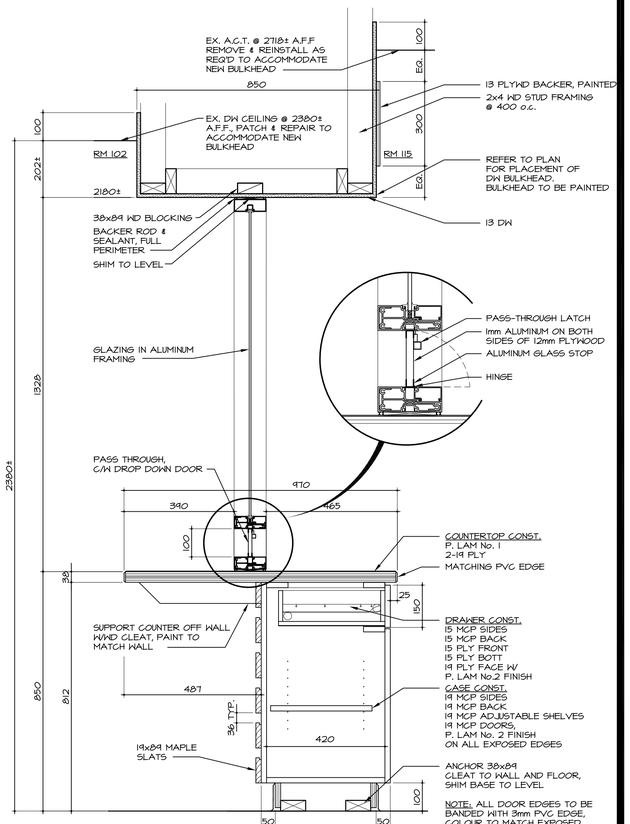
9 DOOR 103.1 JAMB/ HEADER – 1:10



10 DOOR 103.1 THRESHOLD – 1:10



2 RECEPTION DESK HIGH – 1:10



1 RECEPTION DESK LOW – 1:10

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319 1ST AVENUE
MEADOW LAKE, SASKATCHEWAN

DETAILS

DRAWN	TL
CHECKED	DL
DATE	2018.07.25
PROJECT No.	18-01
DRAWING No.	A-3

1080 Architecture

EQUIPMENT SCHEDULE:

The design is based on the equipment listed here and noted in Equipment Schedule Tables.

CROSS TALK SILENCER SIL-1: 250mm Wide x 250mm Height x 1,800mm Length, Straight Configuration Cross Talk Silencer designed to handle an airflow of 70 l/s (148 CFM) at a pressure drop of 4 Pa (0.02 in. w.c.). Silencer constructed of 22 gauge galvanized steel casing, 22 gauge galvanized steel perforated liner, and fiberglass accoustic media. Design based on VAW systems Model XTS-T-12V30.

Minimum Required Attenuation: Octave Band

63	125	250	500	1k	2k	4k	8k
7	13	25	45	52	53	47	27

GRILLES AND DIFFUSERS:

S-1: Heavy duty linear bar grille, surface mounted in floor, wide bar spacing with 0° deflection, flanged border, countersunk screwholes, brushed aluminum finish with clear coat. Design based on E.H. Price, Model LBPH15B/1000/66.

S-2: Existing grille to be re-balanced.

PLUMBING GENERAL NOTES:

– ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

– COORDINATE ALL WORK WITH OTHER TRADES AND SITE CONDITIONS.

– RUN WATER PIPING AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCE IN ALL AREAS.

– ALL PLUMBING BRANCH LINES ARE 12ø UNLESS NOTED OTHERWISE.

– VENTING AS PER LOCAL CODES AND REQUIREMENTS.

– MAKE ALL CONNECTIONS FOR EQUIPMENT SUPPLIED BY OTHERS. REFER TO DETAILS FOR CONNECTIONS.

VENTILATION GENERAL NOTES

– ALL DUCTWORK SHOWN DOUBLE LINE INSIDE PERIMETER OF DUCT IS TO BE COMPLETE WITH 25mm INTERNAL INSULATION. ALL OTHER DUCTWORK IS TO BE COMPLETE WITH 25mm EXTERNAL INSULATION. SIZES INCLUDE INTERNAL INSULATION WHERE APPLICABLE.

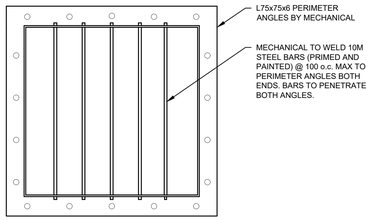
– ALL FITTINGS ON INTERNALLY INSULATED DUCTWORK ARE TO BE COMPLETE WITH INTERNAL INSULATION. ALL OTHERS ARE TO BE EXTERNALLY INSULATED.

– ALL SUPPLY AIR AND EXHAUST AIR BRANCH DUCTS TO GRILLES AND DIFFUSERS ARE TO BE COMPLETE WITH BALANCE DAMPERS IN BRANCH DUCT NEAR MAIN, UNLESS BALANCE DAMPERS ARE PROVIDED IN GRILLE OR DIFFUSER.

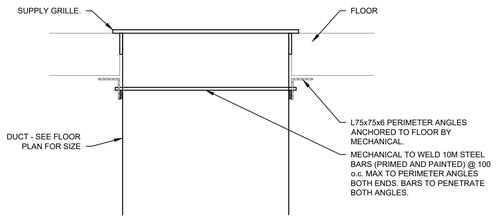
– ALL RADIUSED ELBOWS TO BE WITH CENTERLINE RADIUS OF 1.5 TIMES DUCT DIAMETER (ROUND DUCTS) OR DUCT WIDTH (RECTANGULAR). ALL MITERED ELBOWS TO BE COMPLETE WITH AIRFOIL TURNING VANES. ALL RECTANGULAR BRANCHES TO BE WITH RADIUS ON BRANCH 1.5 TIMES WIDTH OF DUCT. ALL ROUND BRANCHES TO ENTER MAIN DUCT AT 45 DEGREES WITH CONICAL CONNECTION.

– COORDINATE ALL WORK WITH OTHER TRADES.

– RUN DUCTS AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCE.

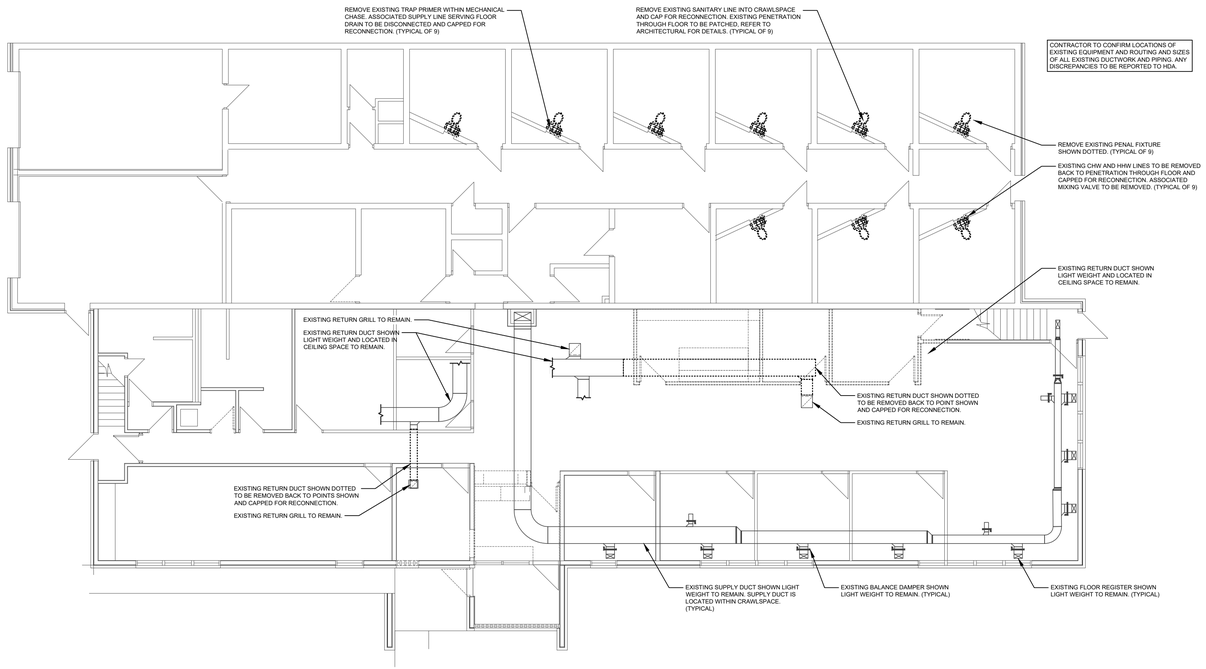


ELEVATION OF FRAME

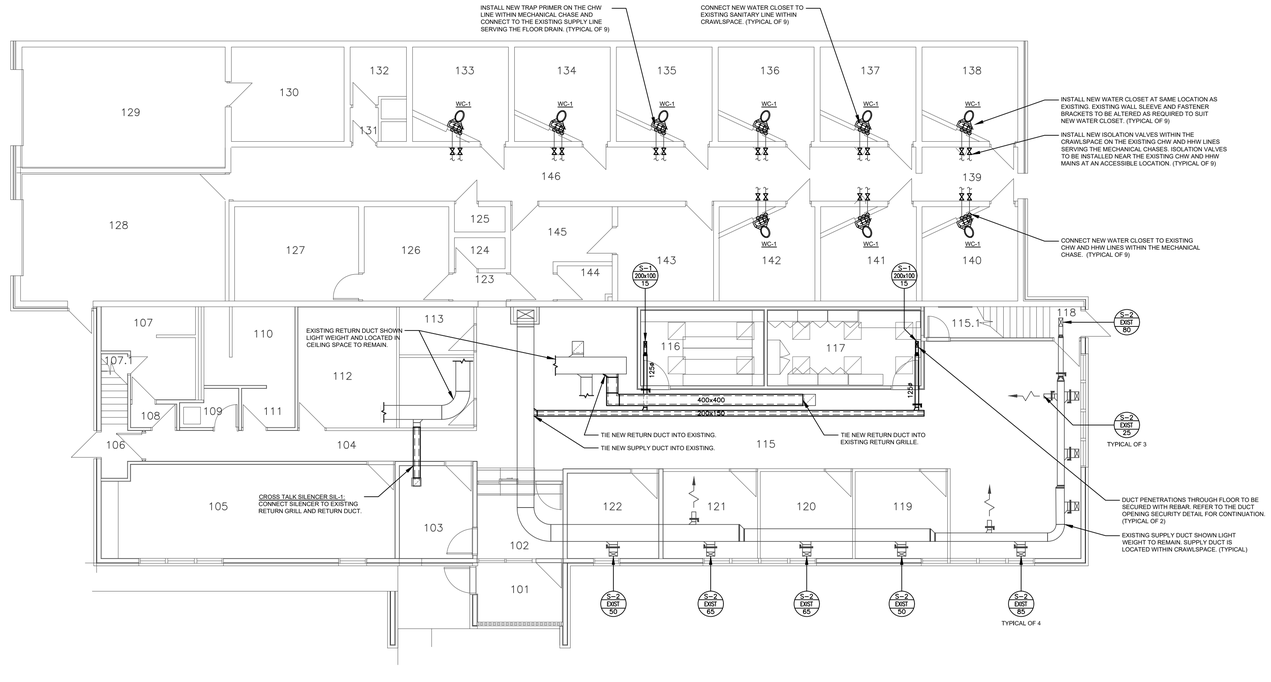


SECTION DETAIL

3 DUCT OPENING SECURITY DETAIL – NTS



1 MAIN FLOOR DEMOLITION PLAN – 1:100



2 MAIN FLOOR REVISED PLAN – 1:100

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MEADOW LAKE, SASKATCHEWAN

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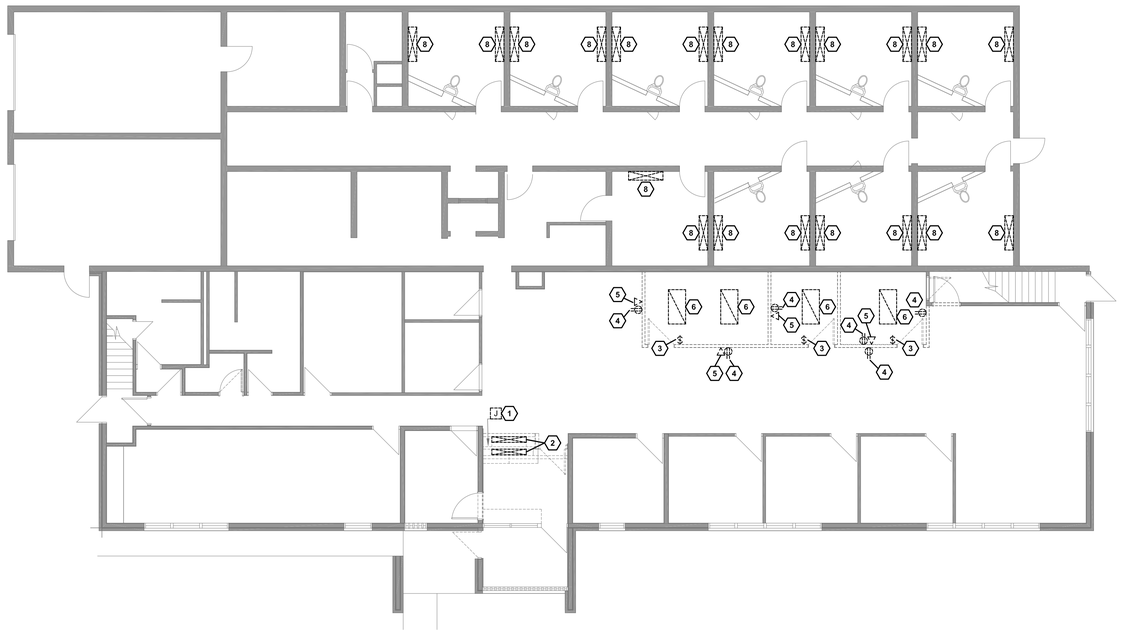
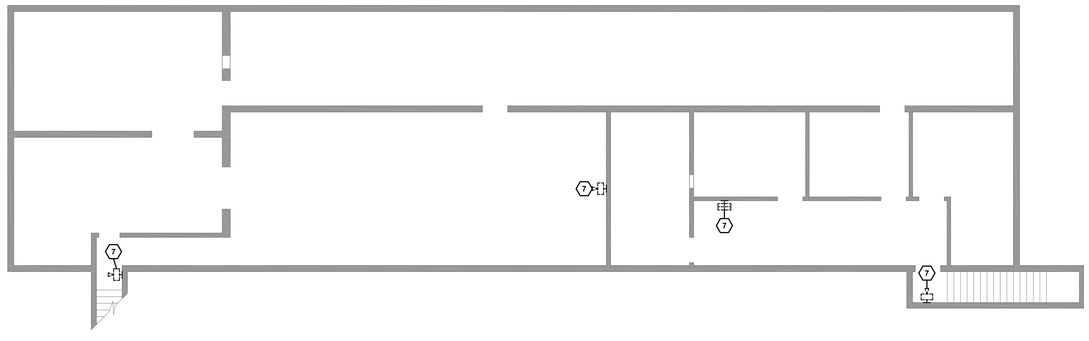


1 | MAIN FLOOR DEMOLITION PLAN
E-2 | 1:100



2 | SECOND FLOOR DEMOLITION PLAN
E-1 | 1:100

MAIN FLOOR DEMOLITION PLAN NOTE LEGEND:

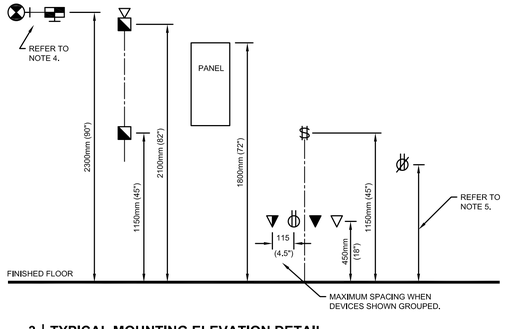
1. EXISTING AIPHONE INTERCOM EQUIPMENT AND ASSOCIATED CABLING SHALL BE REMOVED, TURN OVER EQUIPMENT TO OWNER.
2. REMOVE EXISTING SURFACE MOUNT LIGHT FIXTURE LOCATED WITHIN BULKHEAD.
3. REMOVE EXISTING SWITCH FROM DEMOLISHED WALL. REMOVE DEVICE, OUTLET BOX, CONDUIT, AND WIRE BACK TO NEAREST REQUIRED JUNCTION BOX.
4. REMOVE EXISTING RECEPTACLE FROM DEMOLISHED WALL. REMOVE DEVICE, OUTLET BOX, CONDUIT, AND WIRE BACK TO NEAREST REQUIRED JUNCTION BOX OR PANELBOARD
5. REMOVE EXISTING DATA OUTLET FROM DEMOLISHED WALL. REMOVE DEVICE, OUTLET BOX, CONDUIT AND CABLE BACK TO DATA RACK.
6. REMOVE EXISTING LIGHT FIXTURE FROM DEMOLISHED CEILING. REMOVE FIXTURE, CONDUIT, AND WIRING BACK TO SWITCH.
7. REMOVE EXISTING EMERGENCY LIGHT FIXTURE. INSTALL BLANK COVERPLATE AS SPECIFIED.
8. REMOVE EXISTING CORNER MOUNT LIGHT FIXTURE AND REPLACE WITH NEW AS SPECIFIED. REFER TO MAIN FLOOR LIGHTING PLAN, 1/E-2.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	LED OR FLUORESCENT LIGHT FIXTURE - SURFACE MOUNT
	LED OR FLUORESCENT LIGHT FIXTURE - RECESS MOUNT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - SURFACE MOUNT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - RECESS MOUNT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - WALL MOUNT
	EXIT LIGHT FIXTURE - WALL / CEILING MOUNT - FILLED SIDE INDICATES FACE
	BATTERY OPERATED REMOTE EMERGENCY LIGHT - WALL MOUNT - SINGLE / DOUBLE UNIT
	BATTERY OPERATED REMOTE EMERGENCY LIGHT - CEILING MOUNT - SINGLE / DOUBLE UNIT
	BATTERY OPERATED EMERGENCY LIGHTING UNIT - WALL MOUNT / CEILING MOUNT
(FA)	LETTERS INDICATE LIGHT FIXTURE TYPE
NL	UNSWITCHED NIGHT LIGHT
$	SINGLE POLE SWITCH
$3 $4 $D	3-WAY SWITCH, 4-WAY SWITCH, DIMMER SWITCH
	PANELBOARD - RECESSED / SURFACE
	DUPLEX RECEPTACLE - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	TELEPHONE OUTLET - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	DATA OUTLET - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	DEVICES MOUNTED ABOVE COUNTER
J	JUNCTION BOX
	ELECTRIC MOTOR
	DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
C	CAMERA - WALL MOUNT / CEILING MOUNT
	FIRE ALARM HEAT DETECTOR
SD	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM PULL STATION
H	FIRE ALARM HORN - WALL MOUNT / CEILING MOUNT
HSL	FIRE ALARM HORN/STROBE - WALL MOUNT / CEILING MOUNT
FM	FIRE ALARM FAULT ISOLATION MODULE
RM	FIRE ALARM RELAY MODULE
MM	FIRE ALARM MONITOR MODULE
SM	FIRE ALARM SILENCING MODULE
E	EXISTING ELECTRICAL EQUIPMENT TO REMAIN
A-2	NUMBER INDICATES CIRCUIT NUMBER (i.e, #2 AT PANEL 'A')
WP	WEATHERPROOF
GFI	GROUND FAULT INTERRUPTER
1	NOTE LEGEND SYMBOL

TYPICAL MOUNTING ELEVATION DETAIL NOTES:

1. DEVICES SHOWN ON THE DRAWINGS AS GROUPED AT A COMMON LOCATION SHALL BE INSTALLED SYMMETRICALLY ABOUT A VERTICAL CENTERLINE. ANY DEVIATION FROM THE MOUNTING ELEVATIONS SHOWN SHALL BE CONFIRMED WITH THE ARCHITECT & ENGINEER PRIOR TO ROUGH IN.
2. COORDINATE DEVICE INSTALLATION WITH ALL TRADES PRIOR TO ROUGH IN.
3. REVIEW ARCHITECTURAL ROOM ELEVATION DETAILS PRIOR TO COMMENCING ROUGH IN.
4. REFER TO ARCHITECTURAL PLANS FOR CEILING HEIGHTS AND CONFIRM AVAILABLE WALL SPACE ABOVE DOORS PRIOR TO ROUGH IN.
5. INSTALL ALL DEVICES INDICATED AT ABOVE COUNTER HEIGHT AT 100mm (4") ABOVE THE MILLWORK BACKSPLASH. REFER TO ARCHITECTURAL ROOM ELEVATIONS PRIOR TO ROUGH IN.



3 | TYPICAL MOUNTING ELEVATION DETAIL
E-1 | NTS

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DEMOLITION PLANS
SYMBOL LEGEND

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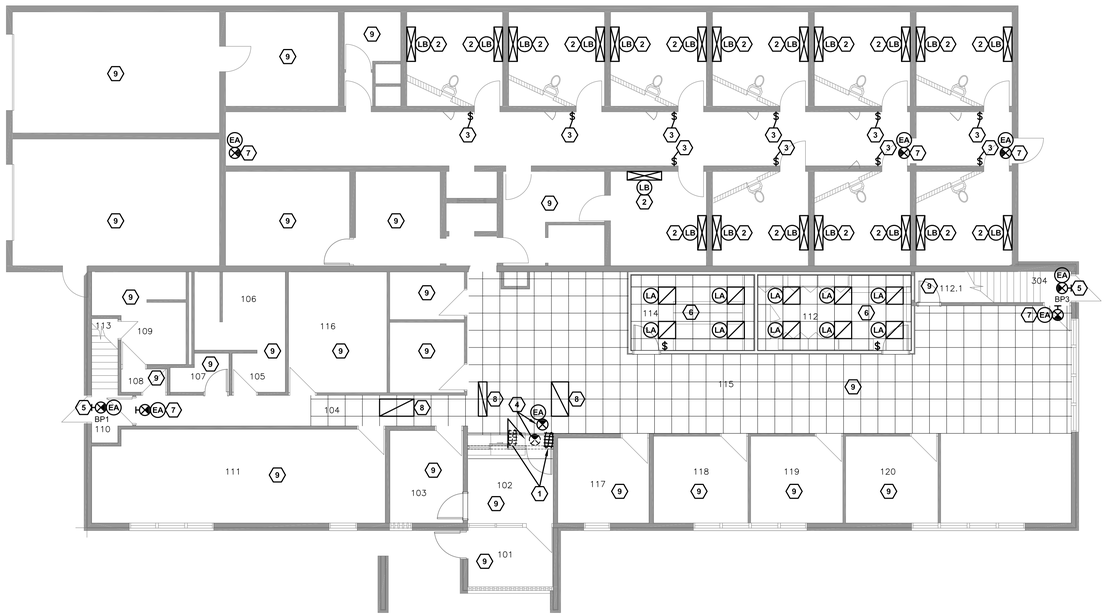
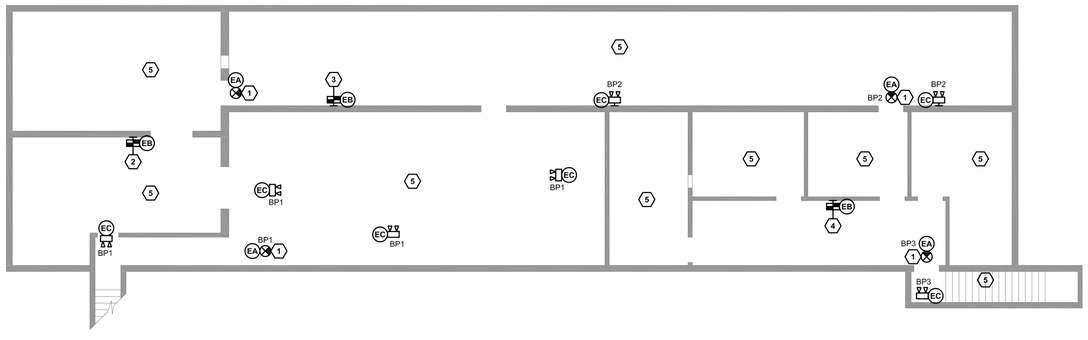


1 | MAIN FLOOR LIGHTING PLAN
E-2 | 1:100

MAIN FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

1. RELOCATE EXISTING LIGHT SWITCHES. EXTEND CONDUIT AND WIRE AS REQUIRED. RECESS SWITCHES AND WIRING IN WALL AT NEW LOCATION.
2. REPLACE EXISTING CORNER MOUNT LIGHT FIXTURE WITH NEW TYPE 'LB' AS SPECIFIED. EXISTING SWITCHING AND CIRCUITING SHALL REMAIN. MOUNT IN EXACT LOCATION AS EXISTING.
3. REPLACE EXISTING THREE (3) POSITION CELL LIGHT SWITCH WITH NEW LIGHT SWITCH TO MATCH EXISTING. SWITCH SHALL BE THREE (3) POSITION MAINTAINED CONTACT SWITCH, SINGLE POLE, DOUBLE THROW, CENTRE OFF LOCK TYPE TO MATCH EXISTING. 'UP' POSITION TO CONTROL CELL AREA LIGHTING CIRCUIT, 'DOWN' POSITION TO CONTROL CELL NIGHT LIGHT CIRCUIT. MOUNT IN EXISTING DEVICE BOX. RE-USE EXISTING COVERPLATE.
4. REPLACE EXISTING EXIT LIGHT WITH NEW AS SPECIFIED AND RELOCATED AS INDICATED. EXISTING AC AND DC CIRCUITING SHALL REMAIN. EXTEND WIRE AND CONDUIT AS REQUIRED.
5. REPLACE EXISTING EXIT LIGHT WITH NEW AS SPECIFIED. EXISTING AC CIRCUITING SHALL REMAIN. REVISE DC CIRCUITING AS INDICATED ON FLOOR PLAN.
6. CIRCUIT NEW LIGHT FIXTURES IN THIS SPACE USING EXISTING CIRCUITING MADE AVAILABLE DURING DEMOLITION. REVISE SWITCHING AS INDICATED.
7. REPLACE EXISTING EXIT LIGHT WITH NEW AS SPECIFIED. EXISTING AC AND DC CIRCUITING SHALL REMAIN.
8. REMOVE EXISTING LIGHT AND STORE IN DRY, CLEAN LOCATION ON SITE DURING DEMOLITION OF FRONT VESTIBULE. RE-INSTALL UPON COMPLETION OF RENOVATION.
9. EXISTING LIGHT FIXTURES AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.



2 | SECOND FLOOR LIGHTING PLAN
E-2 | 1:100

SECOND FLOOR LIGHTING PLAN NOTE LEGEND:

1. REPLACE EXISTING EXIT LIGHT WITH NEW AS SPECIFIED. EXISTING AC CIRCUITING SHALL REMAIN. REVISE DC CIRCUITING AS INDICATED ON FLOOR PLAN.
2. NEW BATTERY PACK 'BP1', SIZED AT 100W. CIRCUIT NEW BATTERY PACK WITH EXISTING AREA LIGHTING.
3. NEW BATTERY PACK 'BP2', SIZED AT 72W. CIRCUIT NEW BATTERY PACK WITH EXISTING AREA LIGHTING.
4. NEW BATTERY PACK 'BP3', SIZED AT 36W. CIRCUIT NEW BATTERY PACK WITH EXISTING AREA LIGHTING.
5. EXISTING LIGHT FIXTURES AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.

LIGHTING PLAN GENERAL NOTES:

CIRCUIT NUMBERS ARE SHOWN ON THE FLOOR PLAN FOR LOADING PURPOSES ONLY. IN ORDER TO SATISFY THE CIRCUITING REQUIREMENTS, THE CONTRACTOR SHALL:

PROVIDE NEW BREAKERS IN EXISTING PANEL.
RE-USE EXISTING BREAKERS IN EXISTING PANEL.
RE-USE EXISTING CIRCUITRY AVAILABLE IN THE CEILING SPACE.
RE-USE EXISTING CIRCUITRY MADE AVAILABLE THROUGH THE RENOVATION.

UNLESS NOTED OTHERWISE, ALL NEW BREAKERS SHALL BE 15A.

CONTRACTOR SHALL COMPLETELY UPDATE ALL PANEL DIRECTORIES OF ANY PANELBOARD UTILIZED OR ALTERED IN THIS RENOVATION.

ALL EXISTING SWITCHES AND LIGHT FIXTURES LOCATED IN WALLS AND CEILINGS NOT BEING DEMOLISHED SHALL REMAIN UNLESS NOTED OTHERWISE.

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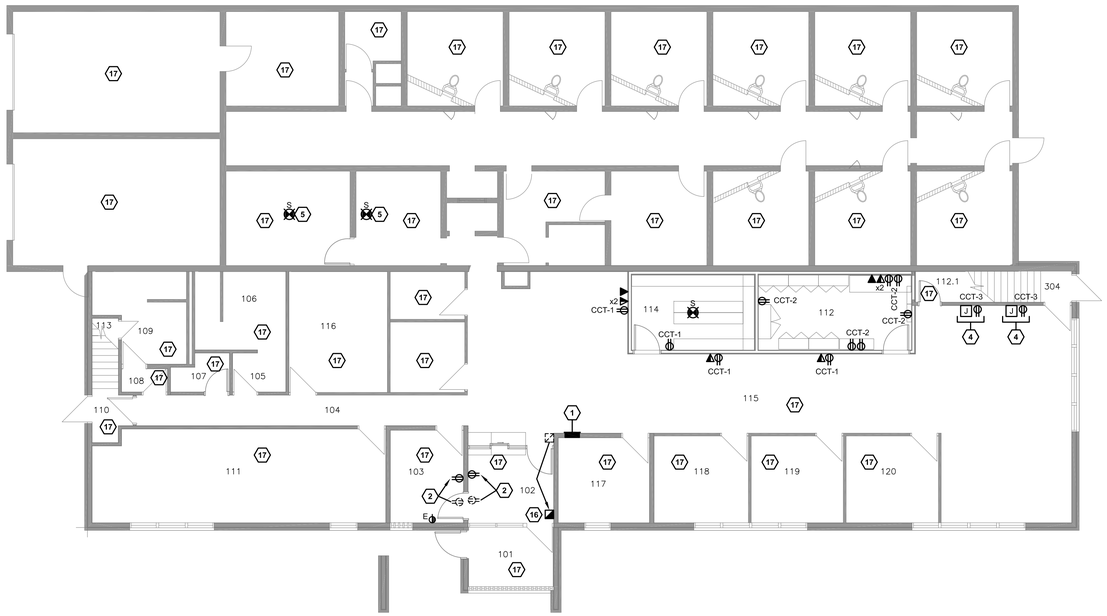
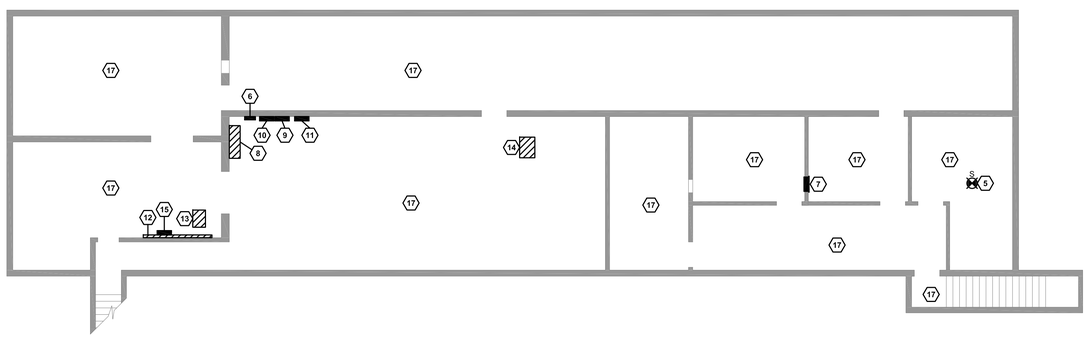


1 | MAIN FLOOR BUILDING SYSTEMS PLAN
E-3 | 1:100



2 | SECOND FLOOR BUILDING SYSTEMS PLAN
E-3 | 1:100

BUILDING SYSTEMS PLANS NOTE LEGEND:

1. EXISTING FIRE ALARM PANEL SHALL REMAIN.
2. RELOCATE EXISTING RECEPTACLE. EXTEND CONDUIT AND WIRE AS REQUIRED. RECESS MOUNT DEVICE AND WIRE IN WALL AT NEW LOCATION.
3. NOT USED.
4. PROVIDE DEVICE BOX C/W 27mm CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE ADJACENT TO RECEPTACLE FOR FUTURE MONITORS. MOUNT DEVICES AT 2100mm AFF. PROVIDE BLANK COVERPLATE ON DEVICE BOX.
5. REPLACE EXISTING HEAT DETECTOR WITH NEW SMOKE DETECTOR.
6. EXISTING GENERATOR PANEL SHALL REMAIN.
7. EXISTING PANEL 'D' SHALL REMAIN
8. EXISTING MAIN SERVICE EQUIPMENT SHALL REMAIN.
9. EXISTING PANEL 'PP' SHALL REMAIN.
10. EXISTING PANEL 'C' SHALL REMAIN.
11. EXISTING PANEL 'PP1' SHALL REMAIN.
12. EXISTING DEMARCATION PLYWOOD. REFER TO VOICE COMMUNICATIONS SYSTEM SCHEMATIC, 2/E-4.
13. EXISTING FLOOR MOUNT DATA RACK. REFER TO DATA COMMUNICATIONS SYSTEM SCHEMATIC, 1/E-4.
14. EXISTING SURVEILLANCE SYSTEM FLOOR MOUNT DATA RACK.
15. EXISTING FIRE ALARM MONITORING PANEL. CONFIRM LOCATION ON SITE.
16. RELOCATE EXISTING PULL STATION AS INDICATED, EXTEND CONDUIT AND WIRE AS REQUIRED. RECESS DEVICE AND WIRING IN WALL AT NEW LOCATION.
17. EXISTING DEVICES IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.

BUILDING SYSTEMS GENERAL NOTES:

CIRCUIT NUMBERS ARE SHOWN ON THE FLOOR PLAN FOR LOADING PURPOSES ONLY. IN ORDER TO SATISFY THE CIRCUITING REQUIREMENTS, THE CONTRACTOR SHALL:

PROVIDE NEW BREAKERS IN EXISTING PANEL.
RE-USE EXISTING BREAKERS IN EXISTING PANEL.
RE-USE EXISTING CIRCUITRY AVAILABLE IN THE CEILING SPACE.
RE-USE EXISTING CIRCUITRY MADE AVAILABLE THROUGH THE RENOVATION.

UNLESS NOTED OTHERWISE, ALL NEW BREAKERS SHALL BE 15A.

CONTRACTOR SHALL COMPLETELY UPDATE ALL PANEL DIRECTORIES OF ANY PANELBOARD UTILIZED OR ALTERED IN THIS RENOVATION.

ALL EXISTING DEVICES LOCATED IN WALLS NOT BEING DEMOLISHED SHALL REMAIN UNLESS NOTED OTHERWISE.

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BUILDING SYSTEMS PLANS

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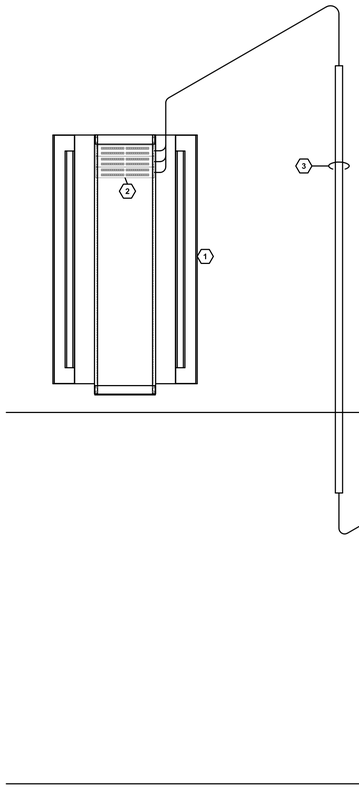
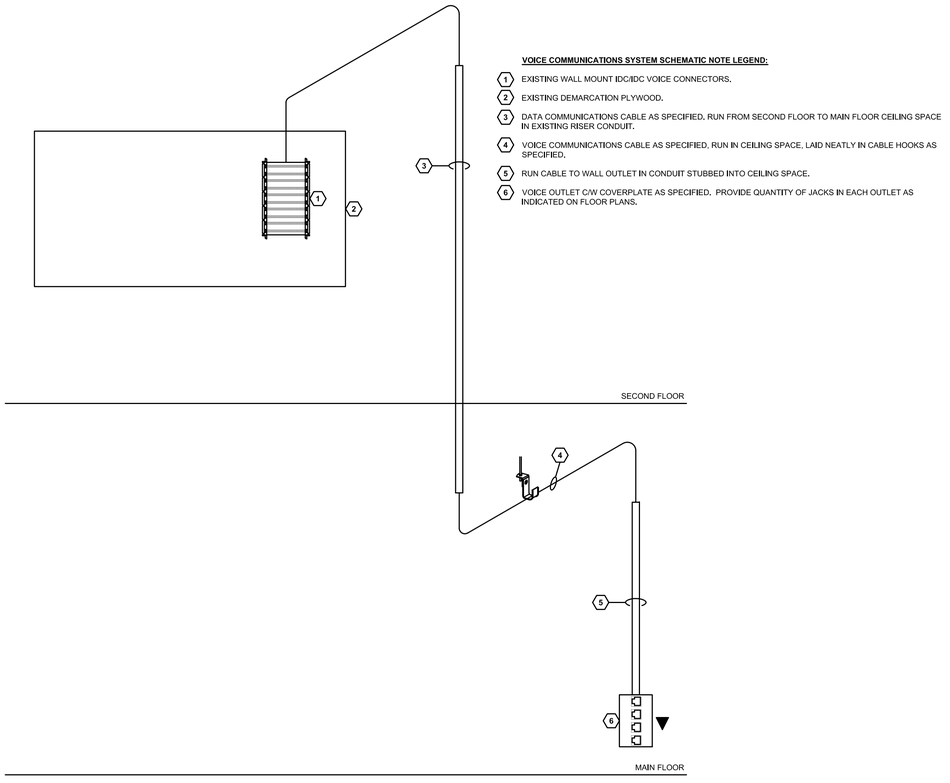


DATA COMMUNICATIONS SYSTEM SCHEMATIC NOTE LEGEND:

1. EXISTING FLOOR MOUNT RACK.
2. EXISTING PATCH PANEL.
3. DATA COMMUNICATIONS CABLE AS SPECIFIED, RUN FROM SECOND FLOOR TO MAIN FLOOR CEILING SPACE IN EXISTING RISER CONDUIT.
4. DATA COMMUNICATIONS CABLE AS SPECIFIED, RUN IN CEILING SPACE, LAID NEATLY IN CABLE HOOKS AS SPECIFIED.
5. RUN CABLE TO WALL OUTLET IN CONDUIT STUBBED INTO CEILING SPACE.
6. DATA OUTLET C/W COVERPLATE AS SPECIFIED, PROVIDE QUANTITY OF JACKS IN EACH OUTLET AS INDICATED ON FLOOR PLANS.

1 | DATA COMMUNICATIONS SYSTEM SCHEMATIC
E-4 | NTS



VOICE COMMUNICATIONS SYSTEM SCHEMATIC NOTE LEGEND:

1. EXISTING WALL MOUNT IDC/IDC VOICE CONNECTORS.
2. EXISTING DEMARCATION PLYWOOD.
3. DATA COMMUNICATIONS CABLE AS SPECIFIED, RUN FROM SECOND FLOOR TO MAIN FLOOR CEILING SPACE IN EXISTING RISER CONDUIT.
4. VOICE COMMUNICATIONS CABLE AS SPECIFIED, RUN IN CEILING SPACE, LAID NEATLY IN CABLE HOOKS AS SPECIFIED.
5. RUN CABLE TO WALL OUTLET IN CONDUIT STUBBED INTO CEILING SPACE.
6. VOICE OUTLET C/W COVERPLATE AS SPECIFIED. PROVIDE QUANTITY OF JACKS IN EACH OUTLET AS INDICATED ON FLOOR PLANS.

2 | VOICE COMMUNICATIONS SYSTEM SCHEMATIC
E-4 | NTS

LIGHT FIXTURE SCHEDULE

LTR	DESCRIPTION	DIMENSIONS	LAMPS	OPTICS	FINISH	VOLTAGE	APPROVED MANUFACTURERS	NOTES
EA	UNIVERSAL SINGLE OR DOUBLE FACE PICTOGRAM EXIT	229H x 305W x 35mmD (9"H x 12"W x 2"D)	LED	ONE PIECE ALUMINUM EXTRUDED HOUSING	WHITE	120V A.C. 12V D.C.	AIMLITE RPALW SERIES BEGHELLI CARM SERIES EMERGI-LITE EA SERIES STANPRO RMXL SERIES	1
EB	EMERGENCY BATTERY PACK RATED LOAD FOR 60 MIN C/W SELF DIAGNOSTICS	330W x 267H x 93mmD (13"W x 10,5"H x 3,6"D)	2 x MINIMUM 6W LED	-	WHITE	120V A.C. 12V D.C.	AIMLITE EBST SERIES BEGHELLI NY SERIES EMERGI-LITE ESL SERIES STANPRO SLC SERIES	2
EC	DOUBLE REMOTE EMERGENCY HEAD	HEAD 74mmØ 123mm H. x 211mm W.	2 x MINIMUM 6W LED	HIGH IMPACT THERMOPLASTIC	WHITE	12V D.C.	AIMLITE RMSM2 SERIES BEGHELLI SR2 SERIES EMERGI-LITE EF9D SERIES STANPRO N2 SERIES	3
LA	T-BAR RECESSED LED TROFFER	610 x 610 x 85Dmm (24" x 24" x 3.5"D)	35W LED 3200 LUMENS 4000K 80 CR1	K12 ACRYLIC LENS A12.125	WHITE	120	PHILIPS LIGHTING TGRD LED 2X2 SERIES COLUMBIA LIGHTING LLT22 SERIES LITHONIA 2TLED SERIES METALUX GRLED SERIES	
LB	CORNER MOUNT LED VANDAL RESISTANT FIXTURE	228H x 228D x 1270mmL (9"H x 9"D x 50"L)	MIN. 5700 LM 4000K AREA LT MIN. 270 LM LED NIGHT LIGHT	0.125 PRISMATIC ACRYLIC INTERIOR LENS 0.375 CLEAR POLYCARB EXTERIOR LENS	WHITE POLYESTER POWDER COAT	120		4 5

LIGHT FIXTURE SCHEDULE NOTES:

1. CIRCUIT TO BUILDING EXIT LIGHT CIRCUIT AND TO NEAREST D.C. BATTERY PACK.
2. CIRCUIT WITH GENERAL AREA LIGHTING IN IMMEDIATE VICINITY OF BATTERY PACK.
3. CONNECT TO D.C. BATTERY PACK CIRCUITED TO GENERAL AREA LIGHTING IN VICINITY OF REMOTE LIGHTING HEAD.
4. SECURE NEW FIXTURE TO EXISTING BLOCK WALL AND CEILING AT A MINIMUM OF SIX (6) LOCATIONS USING EXPANSION ANCHORS SUITABLE FOR GROUT FILLED CONCRETE BLOCK SECURED BY ADHESIVE EQUAL TO HILTI HIT-HY200A. SEAL FIXTURE BODY TO WALL USING PICK RESISTANT EPOXY SECURITY SEALANT. ENSURE SEALANT APPLICATION DOES NOT INTERFERE WITH ACCESS TO FIXTURE INTERIOR. DISASSEMBLE FIXTURE AS REQUIRED TO APPLY SEALANT TO FIXTURE BODY ONLY. REFER TO ARCHITECTURAL SPECIFICATIONS FOR SEALANT REQUIREMENTS.
5. FIXTURE HOUSING SHALL BE ONE-PIECE DIE-FORMED PRIME GRADE 14 GAUGE COLD ROLLED STEEL. BASEPLATE SHALL BE DIE-FORMED WITH A BLADE TRAP TO PREVENT CONTRABAND CONCEALMENT AND ACCESS. LENS SHALL BE SUPPORTED BY BRACKETS SECURED TO HOUSING AT A MAXIMUM INTERVAL OF 150mm. HINGE SHALL BE CONTINOUS HEAVY GAUGE INTERNAL PIANO HINGE (13mm KNUCKLE, 3mm PIN). PIN SHALL BE SECURED TO KNUCKLE. HINGE TO BE WELDED TO HOUSING. FASTENERS SHALL BE HARDENED TORX HEAD WITH CENTER PIN SECURITY SCREWS FULLY RECESSED INTO HOUSING. SECURE FASTENERS TO HOUSING USING LOCTITE ADHESIVE.

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DRAWN	MJP
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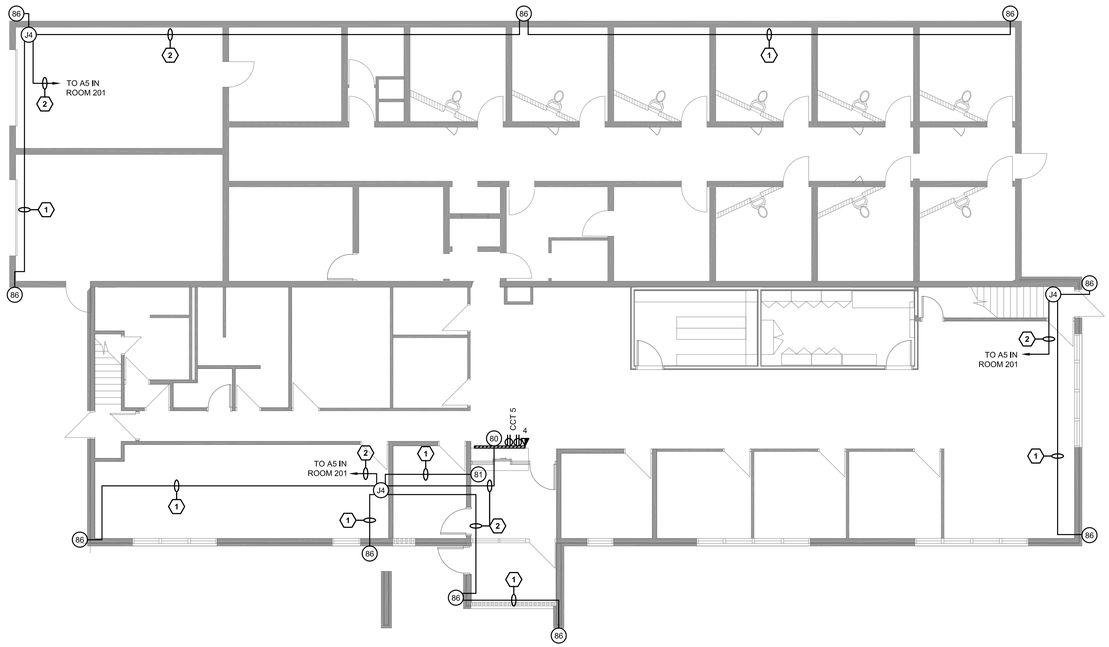
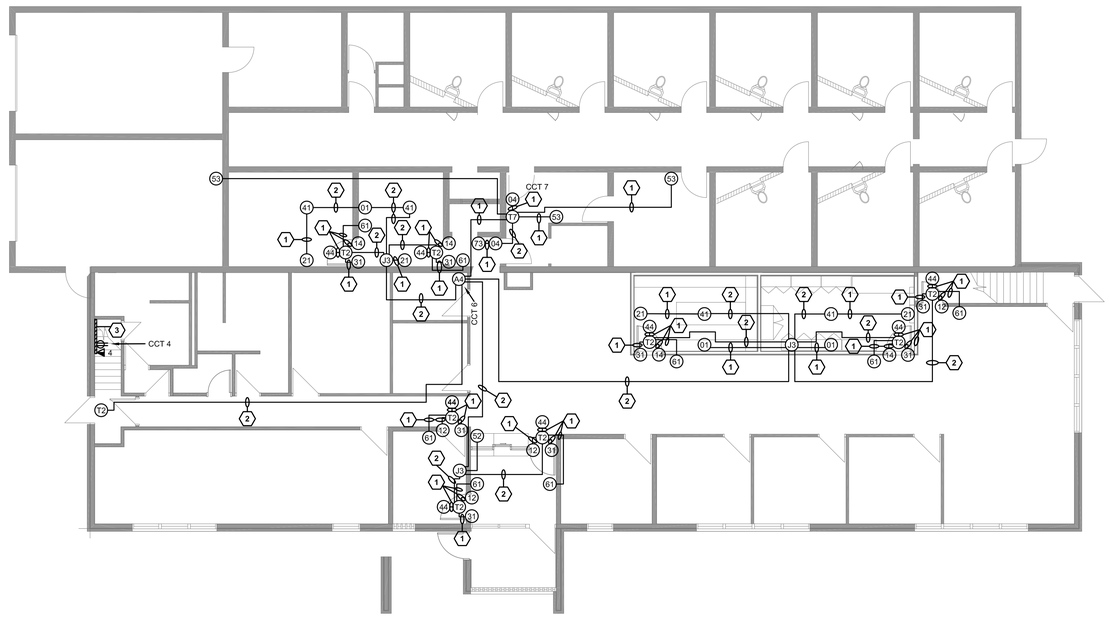
DATE	2018.07.25
PROJECT No.	18-01
DRAWING No.	E-4



1 | MAIN FLOOR PTSS CCVE PLAN
E-5 | 1:100



2 | MAIN FLOOR PTSS EAC & IDS PLAN
E-5 | 1:100

CONDUIT LEGEND:

1. 13mm CONDUIT UNLESS NOTED OTHERWISE.
2. CONDUIT SHALL BE SIZED TO FIT CABLES UNLESS NOTED OTHERWISE (MINIMUM 21mm).
3. SECURITY BACKBOARD COMPLETE WITH SPLITTER TROUGH AND ONE SEPARATE CIRCUIT DUPLEX RECEPTACLE CIRCUITED TO A SEPARATE 15A-1P BREAKER IN NEAREST AVAILABLE 120V PANEL. REFER TO SECURITY EQUIPMENT NOTE LEGEND.

SECURITY EQUIPMENT NOTE LEGEND:

A4 - BACKBOARD

1. SUPPLY AND INSTALL 19mm BACKBOARD TO COVER PARTIAL WALL IN ROOM 113 FLOOR TO CEILING.
2. PLYWOOD BACKBOARD TO BE PRIMED AND PAINTED TO MATCH ADJACENT WALL FINISHES.
3. SUPPLY AND INSTALL ONE HOFFMAN AST283R 610W x 152H x 114Dmm SPLITTER TROUGH CENTERED 2300mm A.F.F. ON THIS BACKBOARD.
4. ALL CONDUITS TO THE A4 BACKBOARD SHALL ENTER THE ROOM FROM THE CEILING AND SHALL CONNECT TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
5. INSTALL ONE SEPARATE CIRCUIT DUPLEX RECEPTACLE IN BOTTOM LEFT HAND CORNER OF BACKBOARD;
   -DO NOT RUN 120VAC WITHIN SPLITTER TROUGH.
   -CIRCUIT RECEPTACLE TO A SEPARATE 15A-1P BREAKER IN NEAREST AVAILABLE 120V EMERGENCY POWER PANEL (IF AVAILABLE).
6. SUPPLY AND INSTALL FOUR DATA OUTLETS MOUNTED 50mm BELOW THE SPLITTER TROUGH.
7. SUPPLY AND INSTALL DATA CABLING FROM THE DATA OUTLETS TO A PATCH PANEL IN THE BUILDING'S DATA RACK.
8. PROVIDE PATCH CORDS AND CROSS CONNECT FROM PATCH PANEL TO AVAILABLE PORTS ON A DATA SWITCH OR ROUTER.
9. THE PLYWOOD BACKBOARD SPACE BELOW THE SPLITTER TROUGH IN RESERVED FOR PTSS EQUIPMENT. DO NOT RUN SURFACE MOUNTED CONDUIT IN THIS AREA.

A5 - RECORDING RACK

1. EXISTING CELL BLOCK CCVE RECORDING RACK IN ROOM 201. REFER TO NOTE '14', DRAWING E-3 FOR LOCATION.

J3 - JUNCTION BOX

1. SUPPLY AND INSTALL ONE 200H x 200W x 100Dmm JUNCTION BOX 150mm ABOVE THE SUSPENDED CEILING. IF THE CEILING IS FINISHED, THE JUNCTION BOX SHOULD BE RECESSED ON WALL 100mm BELOW FINISHED CEILING BUT NO HIGHER THAN 2400mm A.F.F.
2. JUNCTION BOX MUST BE ACCESSIBLE AND SERVICEABLE.
3. SUPPLY AND INSTALL CONDUIT, SIZED TO FIT CABLES, FROM THIS JUNCTION BOX TO SPLITTER TROUGH ON THE A4 BACKBOARD.

J4 - JUNCTION BOX

1. SUPPLY AND INSTALL ONE JUNCTION BOX ABOVE THE SUSPENDED CEILING. IF THE CEILING IS FINISHED THE JUNCTION BOX SHALL BE RECESSED ON WALL 100mm BELOW FINISHED CEILING BUT NO HIGHER THAN 2400mm A.F.F. JUNCTION BOX SHALL BE SIZED ACCORDING TO THE NUMBER OF CONDUITS THAT MUST BE ACCOMMODATED.
2. SUPPLY AND INSTALL CONDUIT, SIZED TO FIT CABLES, FROM THIS JUNCTION BOX TO A5 RECORDING RACK IN ROOM 201.

T2 - "T" CABINET (305H x 305W x 100D)

1. SUPPLY AND INSTALL ONE SURFACE 305H x 305W x 100Dmm TYPE 1 TELEPHONE CABINET WITH WOOD BACK (BEL PRODUCTS TCFKO1212WB OR EQUIVALENT) MOUNTED 150mm ABOVE THE SUSPENDED CEILING ON THE PROTECTED SIDE OF THE WALL. IF THE CEILING IS FINISHED, THE CABINET SHALL BE RECESS MOUNTED 225mm ABOVE THE STRIKE SIDE OF FRAME ON THE PROTECTED SIDE OF THE WALL, REFER TO DRAWING E-6 FOR DETAILS.
2. CABINET MUST BE ACCESSIBLE AND SERVICEABLE.
3. SUPPLY AND INSTALL CONDUIT, SIZED TO FIT CABLES FROM CABINET TO ANOTHER T2 IN THE AREA OR TO A J3 JUNCTION BOX IN THE AREA OR SPLITTER TROUGH ON THE A4 BACKBOARD.
4. SUPPLY, INSTALL AND LABEL ONE GENERAL C0764A CABLE OR EQUIVALANT AND ONE 4 CONDUCTOR 18 AWG SOLID COPPER LVT CABLE IN THE CONDUIT FROM THE T2 CABINET TO SPLITTER TROUGH ON A4 BACKBOARD IN ROOM 113.
5. SUPPLY NO LESS THAN 610mm OF CABLE SLACK AT THE A4 SPLITTER TROUGH.

T7 - "T" CABINET (450H x 305W x 100D)

1. SUPPLY AND INSTALL ONE RECESSED 450H x 305W x 100Dmm TYPE 1 TELEPHONE CABINET, COMPLETE WITH 19mm WOOD BACK (BEL PRODUCTS TCFKO18124WB OR EQUIVALENT) CENTERED 2250mm A.F.F.
2. SUPPLY AND INSTALL ONE DUPLEX 120VAC RECEPTACLE IN THE TOP LEFT CORNER INSIDE CABINET (MOUNT RECEPTACLE ON THE SIDE OF THE CABINET NOT THE BACK). CIRCUIT RECEPTACLE TO A SEPARATE 15A-1P BREAKER IN NEAREST AVAILABLE 120V EMERGENCY POWER PANEL (IF AVAILABLE).
3. SUPPLY, INSTALL AND CONNECT ONE 24VAC 75VA TRANSFORMER AND ONE RELECO C3-A30X/24VAC 3PDT RELAY (OR EQUIVALENT) INSIDE CABINET.
4. CONNECT RIOT ALARM PANIC PUSHBUTTONS (SEE DEVICE 53), RIOT ALARM HORNS (SEE DEVICE 04) AND THE RIOT ALARM RESET PUSHBUTTON (SEE DEVICE 73) TO THE 3PDT RELAY INSIDE THE T7 CABINET AS PER CELL BLOCK RIOT ALARM SCHEMATIC, 5/E-6, AND AS PER FLOOR PLANS.
5. SUPPLY AND INSTALL ONE 19mm CONDUIT FROM THE T7 CABINET TO A J8 JUNCTION BOX IN THE AREA.
6. SUPPLY, INSTALL AND LABEL THREE 4 PAIR TELEPHONE (CAT3) CABLE(S) IN THE CONDUIT FROM THE T7 CABINET TO THE A6 SPLITTER TROUGH IN ROOM 113.
7. SUPPLY, INSTALL AND LABEL TWO 4 PAIR TELEPHONE (CAT3) CABLES IN THE CONDUIT FROM THIS DEVICE BOX TO THE A4 BACKBOARD.

01 - DEVICE BOX

1. SUPPLY AND INSTALL ONE RECESSED 76H x 100W x 63Dmm DOUBLE GANG DEVICE BOX C/W BLANK COVER PLATE 150mm BELOW FINISHED CEILING BUT NO HIGHER THAN 2400mm A.F.F.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO ANOTHER DEVICE/JUNCTION BOX IN THE AREA OR TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
3. SUPPLY, INSTALL AND LABEL TWO 4 PAIR TELEPHONE (CAT3) CABLES IN THE CONDUIT FROM THIS DEVICE BOX TO THE A4 BACKBOARD.

04 - RIOT ALARM HORN

1. SUPPLY, INSTALL AND CONNECT ONE EDWARDS 874-G5 24VAC VIBRATING ALARM HORN (OR EQUIVALENT) IN A RECESSED 100mm SQUARE OUTLET BOX MOUNTED 100mm BELOW FINISHED CEILING BUT NO HIGHER THAN 2400mm A.F.F.
2. SUPPLY AND INSTALL CONDUIT FROM THIS OUTLET BOX TO THE T7 CABINET.
3. SUPPLY, INSTALL AND LABEL ONE 4 CONDUCTOR 18 AWG SOLID COPPER LVT CABLE IN THE CONDUIT FROM THIS OUTLET BOX TO THE T7 CABINET.
4. CONNECT VIBRATING ALARM HORN TO THE 4PDT RELAY IN THE T7 CABINET AS PER CELL BLOCK RIOT ALARM, 5/E-6.

12 - SQUARE OUTLET BOX

1. SUPPLY AND HAVE DOOR-FRAME FABRICATOR SPOT WELD ONE 100H x 100W x 40Dmm SQUARE OUTLET BOX ON TOP OF THE FRAME AS PER PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, 3/E-6 AND 4/E-6.
2. DRILL A 19mm HOLE 75mm (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO FRAME MOUNTED OUTLET BOX.
3. SUPPLY AND INSTALL CONDUIT FROM THE OUTLET BOX IN THE DOOR FRAME TO A T2 CABINET IN THE AREA.
4. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THE OUTLET BOX IN THE DOOR FRAME TO THE T2 CABINET.
5. THE CABLE SLACK AT THE OUTLET BOX IN THE DOOR FRAME SHALL BE TUCKED INTO THE OUTLET BOX TO PROTECT THE CABLE FROM DAMAGE.

14 - SQUARE OUTLET BOX

1. SUPPLY AND HAVE DOOR-FRAME FABRICATOR SPOT WELD ONE 100H X 100W X 40Dmm SQUARE OUTLET BOX ON TOP OF THE FRAME AS PER PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, 3/E-6 AND 4/E-6.
2. DRILL A 19mm HOLE 75mm (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO FRAME MOUNTED OUTLET BOX.
3. SUPPLY AND INSTALL CONDUIT FROM THE OUTLET BOX IN THE DOOR FRAME TO A T2 CABINET IN THE AREA.
4. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THE OUTLET BOX IN THE DOOR FRAME TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
5. SUPPLY, INSTALL AND LABEL A SECOND 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THIS OUTLET BOX IN THE DOOR FRAME TO THE T2 CABINET.
6. THE CABLE SLACK AT THE OUTLET BOX IN THE DOOR FRAME SHALL BE TUCKED INTO THE OUTLET BOX TO PROTECT THE CABLE FROM DAMAGE.

SECURITY SPECIFICATION:

GENERAL REQUIREMENTS

WHEREVER PRACTICAL AND REASONABLE, ALL CABINETS AND ELECTRICAL BOXES SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE FLOOR PLANS.

DRAWINGS INDICATE CONDUIT AND CONNECTION REQUIREMENTS. ACTUAL CONDUIT RUNS SHALL RUN PARALLEL TO BUILDING LINES.

UNLESS SPECIFIED OTHERWISE, ALL CONDUITS SHALL BE SIZED ACCORDING TO THE NUMBER OF CABLES IN THE RUN, MAXIMUM CONDUIT FILL IS 50%.

UNLESS SPECIFIED OTHERWISE, ALL JUNCTION BOXES (J1, J2, J3, ETC.) SHALL BE STEEL AND SIZED ACCORDING TO THE NUMBER OF CONDUITS THEY MUST ACCOMMODATE.

ALL CONDUITS TO THE A4 BACKBOARD SHALL ENTER THE ROOM FROM THE CEILING AND CONNECT TO THE SPLITTER TROUGH, BACKBOARD SPACE BELOW THE SPLITTER TROUGH(S) IS RESEREVED FOR PTSS EQUIPMENT. SEE A4 BACKBOARD DESCRIPTION.

UNLESS NOTED OTHERWISE, ALL CABLES PULLED TO AN A1, A2, A3, A4, A5 OR A6 BACKBOARD TROUGH SHALL HAVE NO LESS THAN 6000mm OF CABLE SLACK IN THE SPLITTER TROUGH.

UNLESS NOTED OTHERWISE, ALL CABLES PULLED TO A 'T' TYPE CABINET (T1, T2, T3, T7, ETC.) SHALL HAVE NO LESS THAN 1200mm OF CABLE SLACK IN THE 'T' CABINET.

UNLESS NOTED OTHERWISE, ALL CABLES TERMINATING IN A DEVICE OR OUTLET BOX SHALL HAVE NO LESS THAN 610mm OF CABLE SLACK AT THE DEVICE/OUTLET BOX.

ALL CABLES TERMINATING IN A CABINET, A SPLITTER TROUGH, A DEVICE BOX, A UTILITY BOX OR AN OUTLET BOX SHALL BE LABELED AT BOTH ENDS OF THE CABLE.

THE CONTRACTOR SHALL TEST ALL CABLES INSTALLED AS PART OF THIS CONTRACT FOR OPENS, GROUNDS AND SHORTS. THE CONTRACTOR SHALL REPLACE ANY CABLES FOUND TO BE DEFECTIVE BY OWNER.

ITEMS 41, 44, 53 AND 61 ARE PERMITTED TO BE SURFACE MOUNTED WHEN SECURED TO AN EXISTING CONCRETE BLOCK WALL.

SECURITY EQUIPMENT NOTE LEGEND:

21 - DEVICE BOX

1. SUPPLY AND INSTALL ONE RECESSED 76H X 150W X 63Dmm THREE GANG DEVICE BOX C/W BLANK COVER PLATE CENTERED 1500mm A.F.F.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO ANOTHER DEVICE/JUNCTION BOX IN THE AREA OR TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
3. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THIS DEVICE BOX TO THE A4 BACKBOARD.

31 CONDUIT TO ELECTRIC STRIKE

1. SUPPLY AND INSTALL CONDUIT FROM A POINT 25mm ABOVE THE STRIKE PLATE INSIDE THE DOOR FRAME TO A T2 CABINET IN THE AREA.
2. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THE DOOR FRAME TO THE T2 CABINET.
3. LEAVE 610MM OF CABLE SLACK INSIDE THE DOOR FRAME.
4. REFER TO DETAILS ON DRAWING E-6.

41 - OCTAGON OUTLET BOX

1. SUPPLY AND INSTALL ONE 4" OCTAGON OUTLET BOX LOCATED NO MORE THAN 305mm ABOVE THE SUSPENDED CEILING. IF THE CEILING IS FINISHED, THE OUTLET BOX SHALL BE RECESS MOUNTED AND SUPPLIED WITH A COVER PLATE.
2. SUPPLY AND INSTALL CONDUIT FROM THIS OUTLET BOX TO A DEVICE/JUNCTION BOX IN THE AREA OR TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
3. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THIS OUTLET BOX TO THE A4 BACKBOARD.
4. SUPPLY NO LESS THAN 3600mm OF CABLE SLACK AT THE OUTLET BOX.

44 - DEVICE BOX

1. SUPPLY AND INSTALL ONE RECESSED 76H X 50W X 63Dmm SINGLE GANG DEVICE BOX C/W BLANK COVER PLATE CENTERED 100mm ABOVE THE TOP OF THE DOOR FRAME ON THE PROTECTED SIDE OF THE WALL AS PER PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, 3/E-6 AND 4/E-6.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO A T2 CABINET IN THE AREA.
3. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THIS DEVICE BOX TO THE T2 CABINET.

52 - DEVICE BOX

1. SUPPLY AND INSTALL ONE RECESSED 76H x 50W x 63Dmm SINGLE GANG DEVICE BOX C/W BLANK COVER PLATE, MOUNT DEVICE BOX BELOW THE FINISHED COUNTER TOP IN A LOCATION WHICH IS ACCESSIBLE AND SERVICEABLE. INSTALLATION ON A WALL BELOW A REMOVABLE DRAWER OR AT THE REAR OR SIDE OF THE INSTALLED MILLWORK IS ACCEPTABLE.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO ANOTHER DEVICE/JUNCTION BOX IN THE AREA OR TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
3. SUPPLY, INSTALL AND LABEL ONE 4 PAIR TELEPHONE (CAT3) CABLE IN THE CONDUIT FROM THIS DEVICE BOX TO THE SPLITTER TROUGH ON THE A4 BACKBOARD.
4. SUPPLY NO LESS THAN 3600mm OF CABLE SLACK AT THE DEVICE BOX.

53 - RIOT ALARM PANIC PUSHBUTTON

1. SUPPLY, INSTALL AND CONNECT ONE RED 57mm MUSHROOM HEAD "SQUARE D" 9001KR25R MOMENTARY PUSHBUTTON WITH TWO "SQUARE D" 9001KA2 NORMALLY OPEN CONTACT BLOCKS AND ONE "SQUARE D" 9001K25 FLUSH PLATE IN A RECESSED 76H x 50W x 63Dmm SINGLE GANG DEVICE BOX CENTERED 1350mm A.F.F.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO ANOTHER DEVICE BOX IN THE AREA OR TO THE T7 CABINET.
3. SUPPLY, INSTALL AND LABEL ONE 4 CONDUCTOR 18AWG SOLID COPPER LVT CABLE IN THE CONDUIT FROM THIS DEVICE BOX THROUGH ALL JUNCTION/DEVICE BOXES AND TERMINATE AT THE T7 CABINET.
4. CONNECT THE PANIC SWITCH TO THE 3PDT RELAY IN THE T7 CABINET AS PER CELL BLOCK RIOT ALARM SCHEMATIC, 5/E-6.

61 - DEVICE BOX

1. SUPPLY AND INSTALL ONE RECESSED 76H X 50W X 63Dmm SINGLE GANG DEVICE BOX C/W BLANK COVER PLATE CENTERED 1300mm A.F.F. ON THE UNPROTECTED SIDE OF THE WALL AS PER PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, 3/E-6 AND 4/E-6.
2. SUPPLY AND INSTALL CONDUIT FROM DEVICE BOX TO A T2 CABINET IN THE AREA.
3. SUPPLY, INSTALL AND LABEL ONE GENERAL C0764A CABLE OR EQUIVLANT IN THE CONDUIT FROM DEVICE BOX TO T2 CABINET.

73 - RIOT ALARM RESET PUSHBUTTON

1. SUPPLY, INSTALL AND CONNECT ONE GREEN 57mm MUSHROOM HEAD "SQUARE D" 9001KR25G MOMENTARY PUSHBUTTON WITH ONE "SQUARE D" 9001KA3 NORMALLY CLOSED CONTACT BLOCK AND ONE "SQUARE D" 9001K25 FLUSH PLATE IN A RECESSED 76H x 50W x 63Dmm SINGLE GANG DEVICE BOX CENTERED 1500mm A.F.F.
2. SUPPLY AND INSTALL CONDUIT FROM THIS DEVICE BOX TO A RIOT ALARM HORN IN THE AREA.
3. SUPPLY, INSTALL AND LABEL ONE 4 CONDUCTOR 18 AWG SOLID COPPER LVT CABLE IN THE CONDUIT FROM THIS DEVICE BOX TO THE T7 CABINET.
4. CONNECT RESET PUSHBUTTON TO THE 3PDT RELAY IN THE T7 CABINET AS PER CELL BLOCK RIOT ALARM SCHEMATIC, 5/E-6.
5. LABEL PUSHBUTTON:
   RIOT ALARM
   RESET

80 - OUTLET BOX (THREE OR FIVE WALL MOUNTED MONITORS)

1. SUPPLY AND INSTALL 450H x 1800W x 19Dmm G1S PLYWOOD BACKING CENTERED 2467mm A.F.F, SEE PARTIAL ELEVATION OF COUNTER BARRIER WITH 19mm G1S PLYWOOD BACKING ABOVE, 2/E-6, FOR EXAMPLE OF TYPICAL INSTALLATION.
2. PLYWOOD BACKING TO BE PRIMED AND PAINTED TO MATCH ADJACENT WALLS.
3. SUPPLY AND INSTALL ONE 4" OCTAGON OUTLET BOX, 2-1/8" DEEP, C/W BLANK COVER PLATE 100mm BELOW THE TOP OF THE PLYWOOD BACKING.
4. SUPPLY AND INSTALL CONDUIT FROM THIS OUTLET BOX TO ANOTHER DEVICE/JUNCTION BOX IN THE AREA OR TO THE A5 RECORDING RACK.
5. SUPPLY, INSTALL AND LABEL FOUR DATA CABLES IN THE CONDUIT FROM THIS OUTLET BOX TO THE A5 RECORDING RACK IN ROOM 201.
6. SUPPLY AND INSTALL ONE RECESSED QUAD 120VAC RECEPTACLE 150mm TO THE RIGHT OF THE OUTLET BOX. CIRCUIT RECEPTACLES FROM NEW 15A-1P BREAKER IN NEAREST AVAILABLE 120V EMERGENCY POWER PANEL (IF AVAILABLE).
7. SUPPLY NO LESS THAN 6000mm OF CABLE SLACK AT THE OUTLET BOX.
8. SUPPLY NO LESS THAN 6000mm OF CABLE SLACK AT THE A5 RECORDING RACK IN ROOM 201.

81 - OCTAGON CEILING MOUNTED OUTLET BOX (2-1/8" DEEP)

1. SUPPLY AND INSTALL ONE RECESSED 4" OCTAGON OUTLET BOX, 2-1/8" DEEP C/W BLANK COVER PLATE IN THE CEILING. IF CEILING IS SUSPENDED, THE OCTAGON OUTLET BOX SHALL BE LOCATED 305mm ABOVE THE SUSPENDED CEILING.
2. SUPPLY AND INSTALL CONDUIT FROM THIS OUTLET BOX TO ANOTHER DEVICE/JUNCTION BOX IN THE AREA OR TO THE SPLITTER TROUGH ON THE A5 RECORDING RACK.
3. SUPPLY, INSTALL AND LABEL ONE DATA CABLE IN THE CONDUIT FROM THE OUTLET BOX TO THE A5 RECORDING RACK.
4. SUPPLY NO LESS THAN 2400mm OF CABLE SLACK AT THE OUTLET BOX.
5. SUPPLY NO LESS THAN 6000mm OF CABLE SLACK AT THE A5 RECORDING RACK IN ROOM 201.

86 - JUNCTION BOX

1. SUPPLY AND INSTALL ONE HOFFMAN A806CHNF 203H x 152W x 89Dmm TYPE 4 JUNCTION BOX, MOUNT 3000mm A.F.G. ON THE EXTERIOR SIDE OF THE BUILDING.
2. SUPPLY AND INSTALL CONDUIT FROM THIS JUNCTION BOX TO ANOTHER JUNCTION/DEVICE BOX IN THE AREA OR TO THE A5 RECORDING RACK.
3. SUPPLY, INSTALL AND LABEL THREE DATA CABLES IN THE CONDUIT FROM THIS JUNCTION BOX TO THE A5 RECORDING RACK.
4. SUPPLY NO LESS THAN 1200mm OF CABLE SLACK AT THE JUNCTION BOX.
5. SUPPLY NO LESS THAN 6000mm OF CABLE SLACK AT THE A5 RECORDING RACK IN ROOM 201.

SECURITY SPECIFICATION:

MATERIALS & PRODUCTS

CONDUIT:
UNLESS SPECIFIED OTHERWISE, ALL CONDUITS SHALL BE STEEL.

JUNCTION, OUTLET AND PULL BOXES:
UNLESS SPECIFIED OTHERWISE, ALL OUTLET, DEVICE AND PULL BOXES SHALL BE STEEL.

SPLITTER TROUGHS:
SHEET METAL ENCLOSURE, WELDED CORNERS AND FORMED HINGED COVER SUITABLE FOR LOCKING IN CLOSED POSITION.

CABLE:
ALL 4 PAIR TELEPHONE TYPE (CAT3) CABLES SHALL BE BELDEN DRN4 D-INSIDE CABLE, 24AWG, CMR, CATEGORY 3 SOLID COPPER WITH A GREY JACKET (OR EQUIVALENT).

ALL DATA CABLES SHALL BE BELDEN 1583A CABLE (OR EQUIVALENT), ALL LVT CABLES SHALL BE FOUR (4) CONDUCTOR #18 SOLID AWG STANDARD CONTROL LVT CABLE.

ALL 8 CONDUCTOR OVERALL SHIELDED CABLE SHALL BE BELDEN 5506FE OR GENERAL/CAROL C0764A (OR EQUIVALENT).

PULL CORD/TAPE:
POLYPROPYLENE TYPE, 200 LB TENSILE STRENGTH MINIMUM.

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MEADOW LAKE, SASKATCHEWAN

SECURITY PLANS
SECURITY NOTE LEGEND

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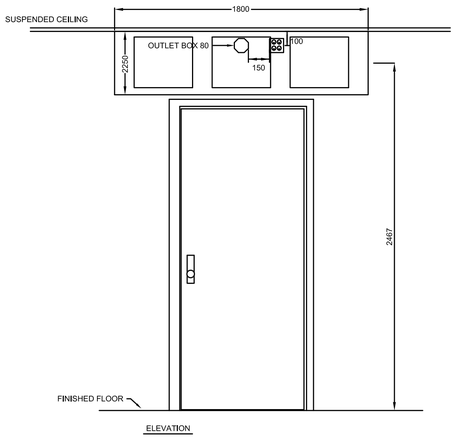
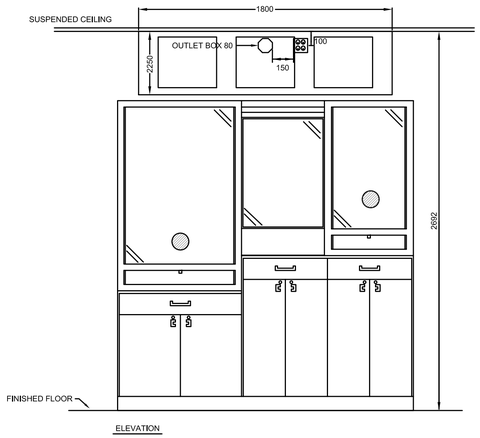


1 | PARTIAL ELEVATION OF SINGLE DOOR WITH 19mm G1S PLYWOOD BACKING ABOVE

E-6 | NTS



2 | PARTIAL ELEVATION OF COUNTER BARRIER WITH 19mm G1S PLYWOOD BACKING ABOVE

E-6 | NTS

NOTES:

1. DRILL A 19mm HOLE AT 75mm (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO WIRING.

3 | PROTECTED DOOR-ELEVATION OF SINGLE DOOR WITH DOOR CONTACT (EXISTING FRAME)

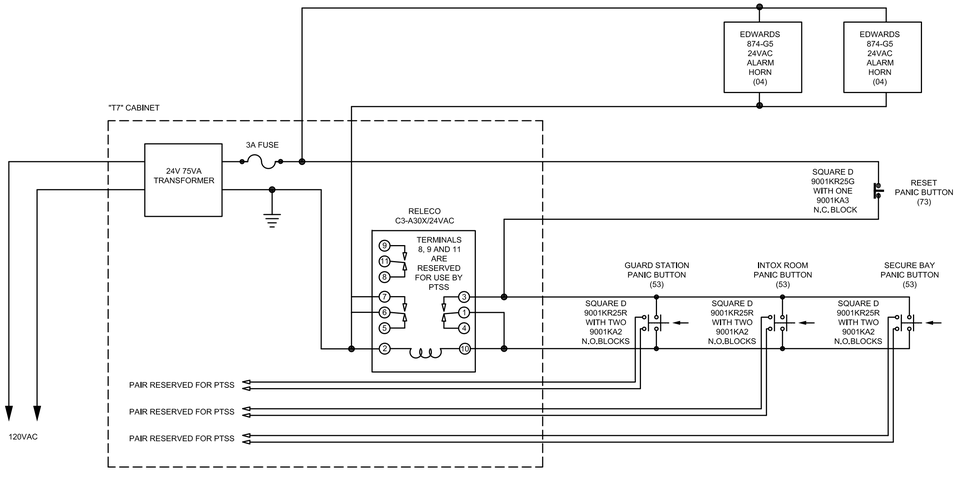
E-6 | NTS

NOTES:

1. CONDUIT CONNECTOR TO BE MOUNTED AND FASTENED TO THE OUTLET BOX BY DOOR FRAME FABRICATOR.
2. OUTLET BOX TO BE SPOT WELDED IN PLACE BY DOOR FRAME FABRICATOR.
3. DRILL A 19mm HOLE AT 75mm (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO WIRING.

4 | PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, WALL MOUNTED READER AND ELECTRIC STRIKE

E-6 | NTS



5 | CELL BLOCK RIOT ALARM SCHEMATIC

E-6 | NTS

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SECURITY DETAILS

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