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# FIRE STATION NO. 13 INTERIOR RENOVATION

BID OPPORTUNITY 280-2020  
799 LILAC STREET, WINNIPEG, MANITOBA

ISSUED FOR CONSTRUCTION

JUNE 25, 2020

DRAWING LIST

ARCHITECTURAL  
A0.0 TITLE SHEET  
A1.0 FLOOR PLANS  
A1.1 REFLECTED CEILING PLANS  
A1.2 INTERIOR ELEVATIONS & MILLWORK DETAILS  
A1.3 FLOOR FINISH PLANS, INTERIOR ELEVATIONS & MILLWORK DETAILS  
A1.4 SCHEDULES & SPECIFICATIONS

MECHANICAL  
M2.1 FLOOR PLANS - MECHANICAL

ELECTRICAL  
E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS  
EL2.1 MAIN FLOOR - LIGHTING PLAN  
EP2.1 MAIN FLOOR - POWER PLAN  
E6.1 ELECTRICAL SCHEDULES

SYMBOLS

	NORTH ARROW		EXTERIOR WALL TYPE
	BUILDING SECTION		INTERIOR WALL TYPES
	SECTION DETAIL		SEPARATION WITH F.R.R.
	WALL SECTION		FULL HEIGHT SEPARATION
	EXTERIOR ELEVATION		GLAZING TYPE
	INTERIOR ELEVATION		CEILING HEIGHT A.F.F.
	DRAWING TITLE & REFERENCE		DOOR NUMBER
	STRUCTURAL GRID		FIRE RATING
	BENCHMARK ELEVATION		ROOM NAME & NUMBER
			KEY NOTE
			REVISION NUMBER
			ELEVATION POINTS IN PLAN

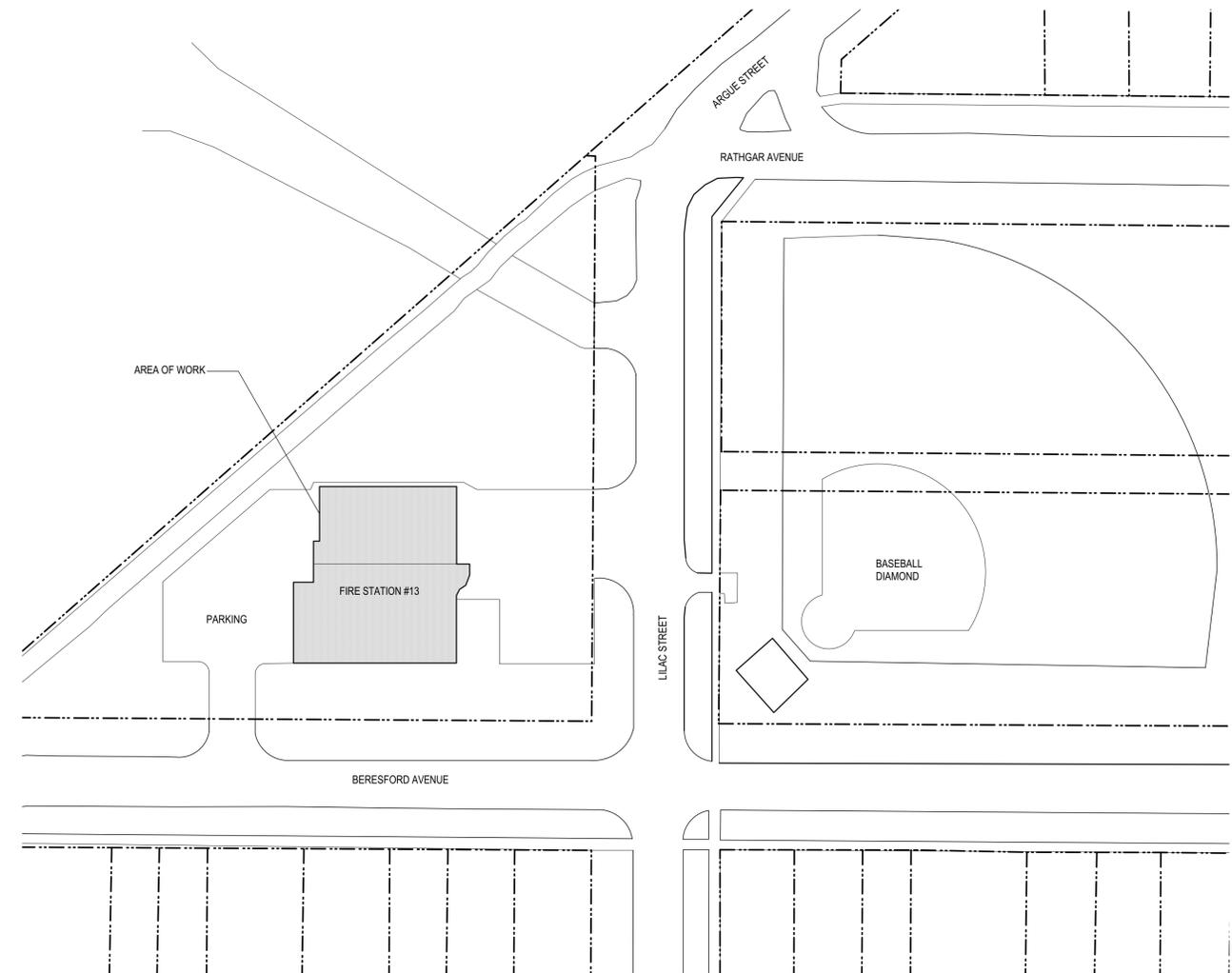
ABBREVIATIONS

AFL	ABOVE FLOOR	LOC	LOCATION
ALUM	ALUMINUM	MAS	MASONRY
ANGD	ANGLED	MAX	MAXIMUM
BLDG	BUILDING	MECH	MECHANICAL
BM	BEAM	MIN	MINIMUM
BOT, BTM	BOTTOM	MISC	MISCELLANEOUS
B.S	BOTH SIDES	M.O.	MASONRY OPENING
BTWN	BETWEEN	MR	MIRROR
C.I.P	CAST IN PLACE	MTL	METAL
CL	CENTER LINE	N.I.C	NOT IN CONTRACT
C.P	CENTER POINT	O.C	ON CENTER
C.L.F	CHAIN LINK FENCE	O.D	OUTSIDE DIAMETER
COL	COLUMN	O/F	OUTSIDE FACE
CW	COMPLETE WITH	OPNG	OPENING
CONC	CONCRETE	O.W.S.J	OPEN WEB STEEL JOIST
C.B	CONCRETE BLOCK	PL	PLATE
CJ	CONTROL JOINT	P.LAM	PLASTIC LAMINATE
D	DEEP	PLYW	PLYWOOD
DTL	DETAIL	PNL	PANEL
DN	DOWN	PREFIN	PREFINISHED
DWG, DRWG	DRAWING	PS	PRESSED STEEL
EA	EACH	PTD, PT	PAINTED, PAINT
ELEV	ELEVATION	R/CONC	REINFORCED CONCRETE
ELEC	ELECTRICAL	R.D	ROOF DRAIN
EPOX	EPOXY	REINF	REINFORCED
EQ	EQUAL	RM	ROOM
EQUIP	EQUIPMENT	R.O.	ROUGH OPENING
EXP	EXPOSED	SHWR	SHOWER
EXT	EXTERIOR	SIM	SIMILAR
FD	FLOOR DRAIN	SLP	SLOPE
F.H.C	FIRE HOSE CABINET	SPECD	SPECIFIED
FIN	FINISH	S.S	STAINLESS STEEL
FLR, FL	FLOOR	ST, STL	STEEL
GA	GAUGE	STO, STOR	STORAGE
GALV	GALVANIZED	STRUC	STRUCTURAL
GLUM	GALVALUME	SURF MTD	SURFACE MOUNTED
G.C	GENERAL CONTRACTOR	SUSP	SUSPENDED
G.L	GRID LINE	TH	THICK / THICKNESS
GWB	GYPSUM WALL BOARD	T.O.	TOP OF
H.W	HAZARDOUS WASTE	T.O.C	TOP OF CONCRETE
H	HIGH	TYP	TYPICAL
H.D	HEAVY DUTY	U/F	UNDER FLOOR
HT	HEIGHT	U/G	UNDER GROUND
H.M	HOLLOW METAL	UIS	UNDER SIDE
HOR, HORIZ	HORIZONTAL	V.B	VAPOUR BARRIER
HR	HOUR	VEH	VEHICLE
HSS	HOLLOW STEEL SECTION	VERT	VERTICAL
HYDR	HYDRAULIC	VEST	VESTIBULE
ID	INSIDE DIAMETER	W	WIDE
I/F	INSIDE FACE	W	WITH
INT	INTERIOR	W.MEM	WATERPROOFED MEMBRANE
INSUL	INSULATION	W.T.	WEAVING TILE
LW	LIGHT WEIGHT		
L	LONG		

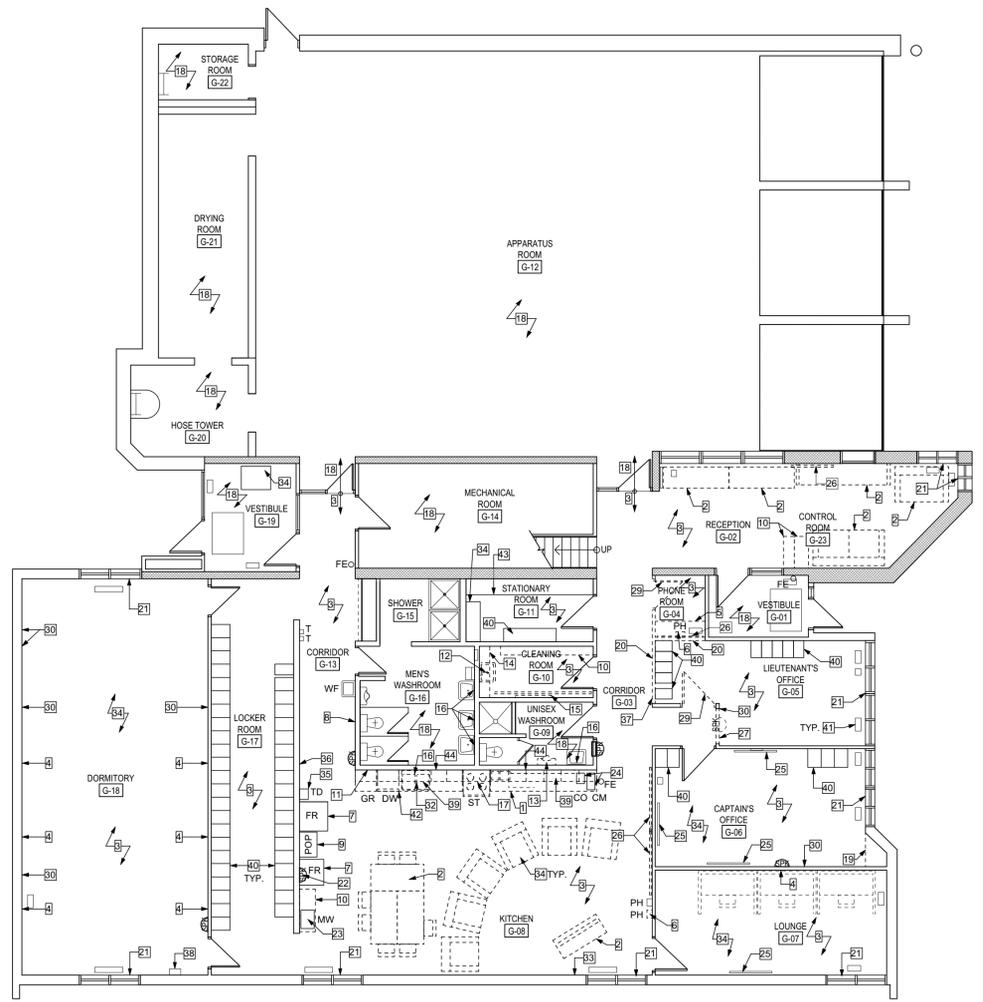
GENERAL DRAWING NOTES

THE DRAWINGS SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.  
THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS, ELEVATIONS, DATUMS, AND INFORMATION SHOWN ARE CORRECT. VERIFY ALL DIMENSIONS ON SITE. DIMENSIONS ARE AS FOLLOWS UNLESS OTHERWISE NOTED:  
- FACE OF MASONRY WALLS  
- EXTERIOR FACE OF ALL INTERIOR WALLS  
PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR.  
VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE CONTRACT ADMINISTRATOR.  
ALL DIMENSIONS ARE IMPERIAL UNLESS OTHERWISE NOTED.  
NO REPRODUCTION OF THE DRAWINGS MAY BE MADE WITHOUT THE WRITTEN CONSENT OF THE CITY OF WINNIPEG AND ALL REPRODUCTION MUST BEAR THE NAME OF THE ARCHITECT.  
GENERAL CONTRACTOR SHALL NOTIFY THE CONTRACT ADMINISTRATOR OF ANY MECHANICAL AND ELECTRICAL APPARATUS APPEARANCE WHICH MAY VARY FROM THAT INDICATED IN THE CONTRACT DOCUMENTS.

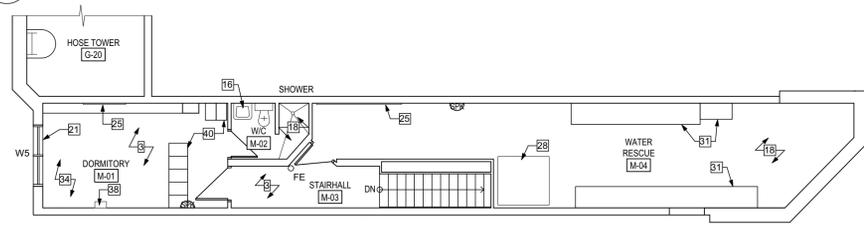
NOTE:  
THE SCOPE OF THE RENOVATION DOES NOT CHANGE THE USE, OCCUPANT LOAD, MAJOR OCCUPANCY CLASSIFICATION OR EXIT CONFIGURATION OF THE BUILDING. IN OUR PROFESSIONAL OPINION, LIFE SAFETY WILL NOT BE AFFECTED BY THIS MODERNIZATION AND INTERIOR ALTERATION.



KEY PLAN  
SCALE: 1:500



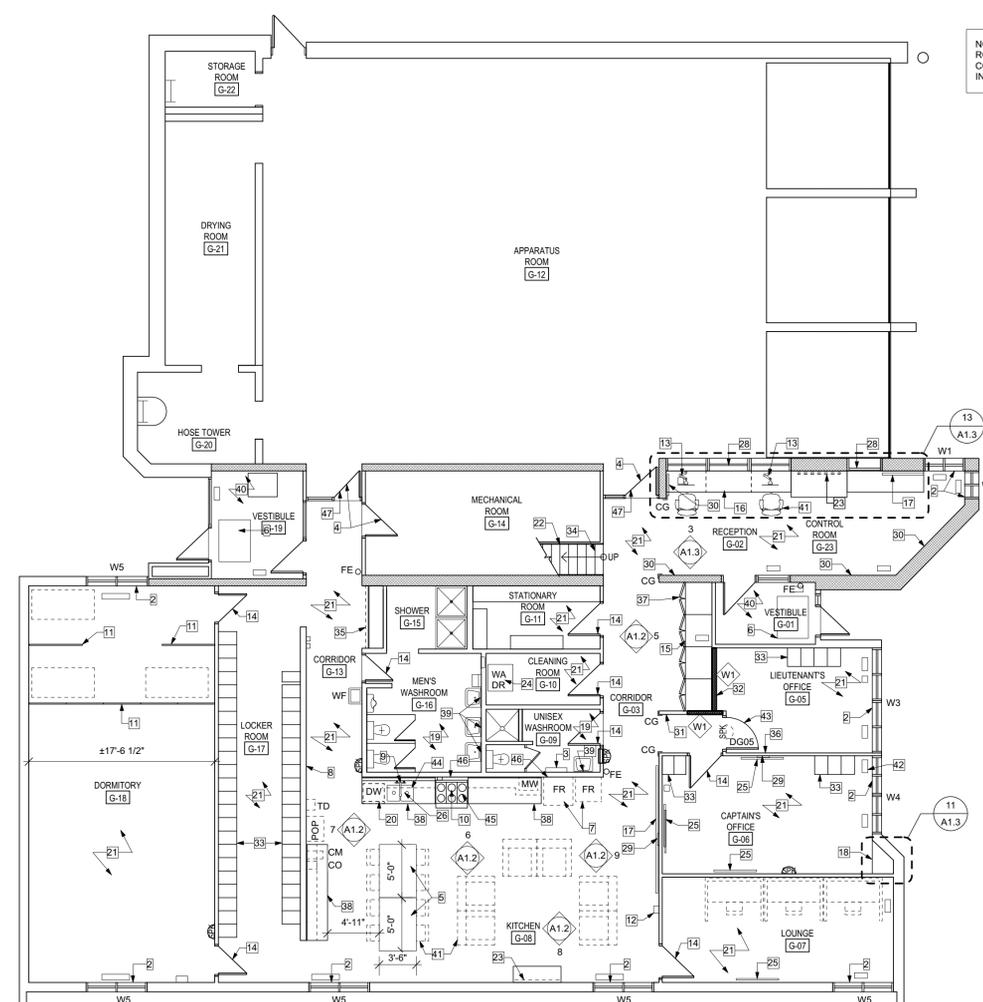
1 MAIN FLOOR PLAN - DEMOLITION  
SCALE: 1/8" = 1'-0"



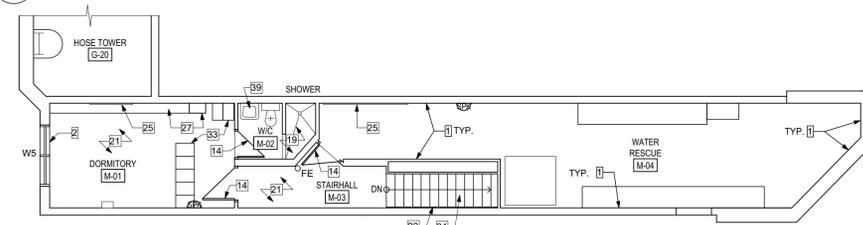
2 MEZZANINE DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN NOTES

- |  |  |   |
|--|--|---|
| <ol style="list-style-type: none"> <li>1. DEMOLISH ALL KITCHEN CABINETS &amp; COUNTERS. G.C. TO CONFIRM IF OWNER TO RETAIN EXISTING APPLIANCES. REFER TO ELECT. &amp; MECH.</li> <li>2. REMOVAL OF EXISTING FURNITURE/EQUIPMENT FOR NEW FLOORING INSTALLATION TO BE COMPLETED BY OTHERS. FURNITURE TO BE RETURNED TO CONTRACT ADMINISTRATOR.</li> <li>3. DEMOLISH EXISTING FLOORING &amp; RUBBER BASEBOARD. PREPARE CONCRETE FLOOR FOR NEW FLOORING.</li> <li>4. PATCH &amp; REPAIR ABANDONED ELECTRICAL THROUGHOUT. IN DORM G-18, LOWER EXISTING JUNCTION BOXES/RECEPTACLES FOR EXISTING GYM EQUIPMENT AND PROVIDE NEW FACE PLATES. REFER TO ELECT.</li> <li>5. DEMOLISH EXISTING WALL MOUNTED COUNTER. PATCH &amp; MAKE GOOD &amp; PAINT ALL ADJACENT SURFACES.</li> <li>6. REMOVE EXISTING PHONE. REFER TO ELECTRICAL.</li> <li>7. EXISTING FRIDGE TO BE REMOVED &amp; RELOCATED FOR FLOORING INSTALLATION. REFER TO INTERIOR ELEVATIONS AND RENOVATION PLAN.</li> <li>8. EXISTING HAND SANITIZER TO REMAIN. PROTECT DURING CONSTRUCTION.</li> <li>9. REMOVE &amp; RELOCATE EXISTING POPCORN MACHINE</li> <li>10. REMOVE EXISTING SHELVING UNIT &amp; RETURN TO OWNER.</li> <li>11. DEMOLISH EXISTING HOOD &amp; DUCT ABOVE FLAT GRILLE. PATCH &amp; REPAIR DRYWALL. REFER TO MECH. RETURN FLAT GRILLE TO OWNER.</li> <li>12. DEMOLISH JANITOR SINK. REFER TO MECHANICAL. PATCH &amp; MAKE GOOD ALL SURFACES INCLUDING FLOORING.</li> <li>13. DEMOLISH URINAL. REFER TO MECHANICAL. PATCH &amp; MAKE GOOD ALL SURFACES.</li> <li>14. DEMOLISH EXISTING SHELF &amp; WALL SUPPORTS. PATCH &amp; MAKE GOOD ALL ADJACENT SURFACES, TYP.</li> <li>15. DEMOLISH EXISTING WALL HOOKS. PATCH &amp; MAKE GOOD ALL ADJACENT SURFACES, TYP.</li> </ol> | <ol style="list-style-type: none"> <li>16. EXISTING FAUCET TO BE DEMOLISHED - TYPICAL. REFER TO MECH.</li> <li>17. DEMOLISH EXISTING STOVE &amp; EXHAUST HOOD. REFER TO MECH &amp; ELECT.</li> <li>18. EXISTING FLOORING TO REMAIN.</li> <li>19. DEMOLISH EXISTING WALL MOUNTED SHELF AND REDUNDANT BRACKETS. PATCH, REPAIR &amp; PAINT ALL SURFACES.</li> <li>20. DEMOLISH EXISTING WALL INCLUDING ALL EXISTING ELECTRICAL. PATCH &amp; MAKE GOOD ALL ADJACENT SURFACES. REFER TO ELECT.</li> <li>21. DEMOLISH EXISTING BLINDS. PATCH &amp; REPAIR ALL SURFACES</li> <li>22. DEMOLISH EXISTING SPEAKER - REFER TO ELECT. PATCH &amp; MAKE GOOD ALL SURFACES.</li> <li>23. EXISTING MICROWAVE TO BE RELOCATED. PROTECT DURING CONSTRUCTION.</li> <li>24. EXISTING COFFEE MAKER &amp; COFFEE GRINDER TO BE RELOCATED. PROTECT DURING CONSTRUCTION.</li> <li>25. REMOVE EXISTING WHITEBOARD/CORKBOARD AND SALVAGE FOR REINSTALLATION.</li> <li>26. REMOVE EXISTING WHITEBOARD/CORKBOARD &amp; RETURN TO CONTRACT ADMINISTRATOR.</li> <li>27. DEMOLISH EXISTING WALL INCLUDING ALL EXISTING ELECTRICAL. PATCH &amp; MAKE GOOD ALL ADJACENT SURFACES. RELOCATE EXISTING HUMIDISTAT &amp; SPEAKER VOLUME DIAL AS SHOWN ON RENOVATION PLAN. REFER TO ELECT/MECH.</li> <li>28. EXISTING HVAC UNIT TO REMAIN - REFER TO MECH.</li> <li>29. DEMOLISH EXISTING DOOR &amp; FRAME.</li> <li>30. DEMOLISH ALL EXISTING WALL SCONCES, TYP. REFER TO ELECT. PATCH &amp; MAKE GOOD ALL WALL SURFACES.</li> <li>31. EXISTING SHELVING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.</li> </ol> | <ol style="list-style-type: none"> <li>32. DEMOLISH KITCHEN SINK. REFER TO MECHANICAL.</li> <li>33. REMOVE &amp; REPLACE EXISTING WIREMOLD &amp; EXTEND TO NEW MILLWORK - REFER TO INT. ELEVATIONS. PATCH ALL SURFACES.</li> <li>34. REMOVAL &amp; REINSTALLATION OF ALL EXISTING FURNITURE / EQUIPMENT FOR FLOORING INSTALLATION TO BE COMPLETED BY OTHERS. TYP. PROTECT ALL FURNITURE DURING CONSTRUCTION. (NOTE: NOT ALL FURNITURE/EQUIPMENT IS SHOWN).</li> <li>35. REMOVE &amp; RELOCATE EXISTING WALL MOUNTED TOWEL DISPENSER</li> <li>36. EXISTING TOWEL BAR TO REMAIN. PROTECT DURING CONSTRUCTION.</li> <li>37. RELOCATE EXISTING GAS DETECTOR - REFER TO ELECT &amp; RENOVATION PLAN.</li> <li>38. EXISTING GAS DETECTOR TO REMAIN. REFER TO ELECT.</li> <li>39. DEMOLISH UNDERCOUNTER LIGHTING - REFER TO ELECT.</li> <li>40. REMOVE EXISTING LOCKERS &amp; STORE FOR REINSTALLATION.</li> <li>41. EXISTING FLOOR GRILLE TO REMAIN, TYP. REFER TO FLOOR FINISH PLAN.</li> <li>42. DEMOLISH EXISTING DISHWASHER</li> <li>43. CONTRACTOR TO REMOVE &amp; REINSTALL EXISTING SHELVING UNIT. DISASSEMBLE / REASSEMBLE AS REQ'D.</li> <li>44. DEMOLISH EXISTING GWB BEHIND ENTIRE LENGTH OF KITCHEN WALL UP TO 7'-8" HIGH. REFER TO INTERIOR ELEVATIONS.</li> </ol> |
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3 MAIN FLOOR PLAN - RENOVATION  
SCALE: 1/8" = 1'-0"



4 MEZZANINE RENOVATION PLAN  
SCALE: 1/8" = 1'-0"

RENOVATION PLAN NOTES

- |   |   |  |
|---|---|--|
| <ol style="list-style-type: none"> <li>1. PATCH &amp; PAINT EXISTING GWB IN WATER RESCUE ROOM, TYP.</li> <li>2. PROVIDE NEW BLINDS AT ALL EXTERIOR WINDOWS, TYP. REFER TO WINDOW SCHEDULE AND SPECS.</li> <li>3. INSTALL NEW WALL MOUNTED BATHROOM SHELF - REFER TO SPECIFICATIONS.</li> <li>4. PAINT EXISTING METAL DOOR AND FRAME. PROVIDE KICKPLATE ON PUSH SIDE OF DOOR - REFER TO SPECS.</li> <li>5. NEW DINING TABLES - REFER TO DETAILS &amp; SPECIFICATIONS</li> <li>6. EXISTING RECESSED FLOOR MAT TO REMAIN</li> <li>7. RELOCATE EXISTING FRIDGE</li> <li>8. EXISTING TOWEL BAR TO REMAIN. PROTECT DURING CONSTRUCTION.</li> <li>9. NEW KITCHEN FAUCET - REFER TO MECH &amp; SPECS</li> <li>10. NEW VENT HOOD ABOVE - REFER TO MECH &amp; INTERIOR ELEVATIONS</li> <li>11. NEW ROOM DIVIDER PANELS - REFER TO SPECIFICATIONS. FINAL ROOM LAYOUT TO BE DETERMINED BY OWNER.</li> <li>12. EXISTING TELEPHONE TO REMAIN</li> <li>13. EXISTING MONITOR SCREEN CW NEW ADJUSTABLE MONITOR ARM. CONTRACTOR TO SUPPLY AND INSTALL NEW ARM W/ EXISTING SCREEN. REFER TO SPEC.</li> <li>14. PAINT EXISTING METAL DOOR FRAME. WOOD DOOR TO REMAIN UNPAINTED. CUT DOWN WOOD DOORS AS REQ'D FOR NEW TILE FLOORING. PROVIDE KICKPLATE ON PUSH SIDE OF DOOR - REFER TO SPECS.</li> <li>15. NEW VENT IN TOE KICK - REFER TO MECH.</li> <li>16. NEW WATCHDESK - REFER TO MILLWORK DETAILS</li> </ol> | <ol style="list-style-type: none"> <li>17. NEW BACKPAINTED GLASS MARKERBOARD - REFER TO SPECS &amp; INTERIOR ELEVATIONS</li> <li>18. PROVIDE NEW CUSTOM WALL MOUNTED SHELF. REFER TO DETAILS.</li> <li>19. PATCH &amp; PAINT ALL GWB SURFACES</li> <li>20. NEW DISHWASHER - REFER TO MECHANICAL AND SPEC</li> <li>21. PAINT ALL WALLS &amp; INSTALL NEW FLOORING &amp; BASEBOARD THROUGHOUT. REFER TO FLOOR FINISH PLAN AND ROOM SCHEDULE AND SPECS.</li> <li>22. PAINT EXISTING STAIR RAILING &amp; METAL STRINGERS, BOTH SIDES.</li> <li>23. TV AND MOUNT SUPPLIED BY CONTRACT ADMINISTRATOR. CONTRACTOR TO PROVIDE BLOCKING AS REQ'D AND INSTALL TV &amp; MOUNT.</li> <li>24. NEW STACKED WASHER &amp; DRYER. REFER TO SPECS, MECHANICAL &amp; ELECTRICAL.</li> <li>25. INSTALL EXISTING WHITEBOARD/CORKBOARD. CO-ORDINATE EXACT LOCATION WITH CONTRACT ADMINISTRATOR.</li> <li>26. NEW GREASE INTERCEPTOR BELOW SINK - REFER TO MECH.</li> <li>27. PATCH &amp; PAINT ALL SIDES OF EXISTING GWB MECHANICAL SURROUND TO MATCH WALL.</li> <li>28. PAINT EXISTING WINDOW FRAME. REFER TO ROOM SCHEDULE.</li> <li>29. REMOVE EXISTING CLOCK FOR PATCHING AND PAINTING. REINSTALL IN ORIGINAL LOCATION, TYP.</li> <li>30. REMOVE EXISTING ARTWORK FOR PATCHING AND PAINTING. REINSTALL IN ORIGINAL LOCATION, TYP.</li> <li>31. RELOCATED GAS DETECTION - REFER TO ELECT/MECH.</li> <li>32. RELOCATED HUMIDISTAT - REFER TO MECH.</li> </ol> | <ol style="list-style-type: none"> <li>33. REINSTALL EXISTING LOCKERS IN ORIGINAL LOCATIONS. FASTEN TO FLOOR AND WALL AS PER ORIGINAL CONDITION, TYP.</li> <li>34. PROVIDE RUBBER TREADS ON STAIR WITH CONTRASTING COLOUR STRIP. SEE SPECIFICATIONS.</li> <li>35. EXISTING CLOSET ROD &amp; SHELF TO REMAIN. PAINT SHELF &amp; CLEATS TO MATCH WALL.</li> <li>36. RELOCATED SPEAKER VOLUME DIAL - REFER TO ELECT.</li> <li>37. NEW STORAGE CABINETS. REFER TO MILLWORK DETAILS.</li> <li>38. NEW MILLWORK - REFER TO DETAILS</li> <li>39. INSTALL NEW MOTION SENSOR FAUCETS - REFER TO MECH</li> <li>40. PAINT ALL WALLS. REFER TO ROOM SCHEDULE AND SPECS. EXISTING FLOORING TO REMAIN.</li> <li>41. CHAIRS (N.I.C.)</li> <li>42. EXISTING FLOOR GRILLE TO REMAIN, TYP.</li> <li>43. NEW WOOD DOOR &amp; METAL FRAME - REFER TO SPECIFICATIONS. PROVIDE KICKPLATE ON PUSH SIDE OF DOOR - REFER TO SPECS.</li> <li>44. NEW INTEGRATED STAINLESS STEEL SINK - REFER TO SPECS, DETAILS AND MECHANICAL.</li> <li>45. NEW ELECTRIC RANGE - REFER TO ELECTRICAL &amp; SPECIFICATIONS</li> <li>46. INSTALL NEW MOISTURE RESISTANT GWB BEHIND THE ENTIRE LENGTH OF KITCHEN WALL TO 7'-8" HIGH &amp; BEHIND STAINLESS STEEL BACKSPLASH. PATCH &amp; MAKE GOOD ALL SURFACES. REFER TO INTERIOR ELEVATIONS.</li> <li>47. ADD PUSH PLATE TO DOOR - REFER TO SPECS.</li> </ol> |
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NOTE: CONTRACTOR TO PROVIDE NEW PENETRATION IN ROOF AS REQUIRED FOR MECHANICAL DUCTWORK. CONTRACTOR TO PROVIDE FLASHING AND SEAL AS PER INDUSTRY STANDARDS.

- FLOOR PLAN LEGEND**
- WF WATER FOUNTAIN
  - GR FLAT GRILL
  - SPK SPEAKER
  - FR FRIDGE
  - POP POPCORN MACHINE
  - TD TOWEL DISPENSER
  - MW MICROWAVE
  - DW DISHWASHER
  - ST STOVE
  - CO COFFEE GRINDER
  - CM COFFEE MAKER
  - CG CORNER GUARD
  - WA WASHING MACHINE
  - DR DRYER
  - PH PHONE
  - SPK SPEAKER
  - T THERMOSTAT
  - FE FIRE EXTINGUISHER
- EXISTING CONC. BLOCK WALL TO REMAIN
  - EXISTING WALL TO REMAIN
  - EXISTING WALL TO BE DEMOLISHED
  - NEW WALL
  - EXISTING DOOR TO REMAIN
  - EXISTING DOOR TO BE DEMOLISHED
  - NEW DOOR
- WALL TYPES:**
- 5/8" TYPE 'X' GYPSUM BOARD, PAINT FINISH
  - 3 5/8" STEEL STUDS @ 16" O.C.
  - 3 1/2" MINERAL FIBER INSULATION
  - 5/8" TYPE 'X' GYPSUM BOARD, PAINT FINISH
  - PARTITIONS TO RUN TO EXISTING CEILING HEIGHT OF 49'-0"

**GENERAL NOTES:**

THESE DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AN DETAILED INFORMATION SHOWN ARE CORRECT.

THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.

ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY DEMOLITION AND THE REMOVAL OF ALL ITEMS FORMING PART OF THE RENOVATION WORK.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

WHERE PAINTING OF EXISTING WALLS & CEILING IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW PAINT, UNLESS OTHERWISE NOTED.

ALL EXISTING FURNITURE, EQUIPMENT (INCLUDING GYM EQUIPMENT), AND WALL MOUNTED ITEMS (ARTWORK, MAPS/EXIT PLANS ARE TO BE REMOVED AND REINSTALLED BY THE CITY OF WINNIPEG'S MOVERS (TO BE STORED IN THE APPARATUS ROOM OR A STORAGE CONTAINER AS REQ'D).

EMERGENCY LIGHTING TO BE REPLACED. REFER TO ELECTRICAL FOR SCOPE OF WORK.

ALL MISCELLANEOUS FLOOR MOUNTED ELECTRICAL TO BE REMOVED & REINSTALLED FOR FLOORING INSTALLATION.

ALL MECHANICAL WALL VENTS/GRILLES TO BE REMOVED & REINSTALLED FOR PAINTING.

ALL EXISTING DOORS ARE TO BE CUT DOWN OR ADJUSTED AS REQUIRED TO ACCOMMODATE NEW FLOORING THICKNESS. PATCH & MAKE GOOD ALL DOORS.

ALL FIRE EXTINGUISHERS TO BE REMOVED AND REINSTALLED FOR PAINTING.

**WARNING:**  
ASBESTOS MAY BE PRESENT BEHIND WALLS CEILING SPACE & FLOORS. IF ASBESTOS OR ANY HAZARDOUS MATERIAL IS FOUND STOP WORK IMMEDIATELY & CONTACT CITY OF WINNIPEG, CENTRAL CONTROLS PH: 204-986-2351.

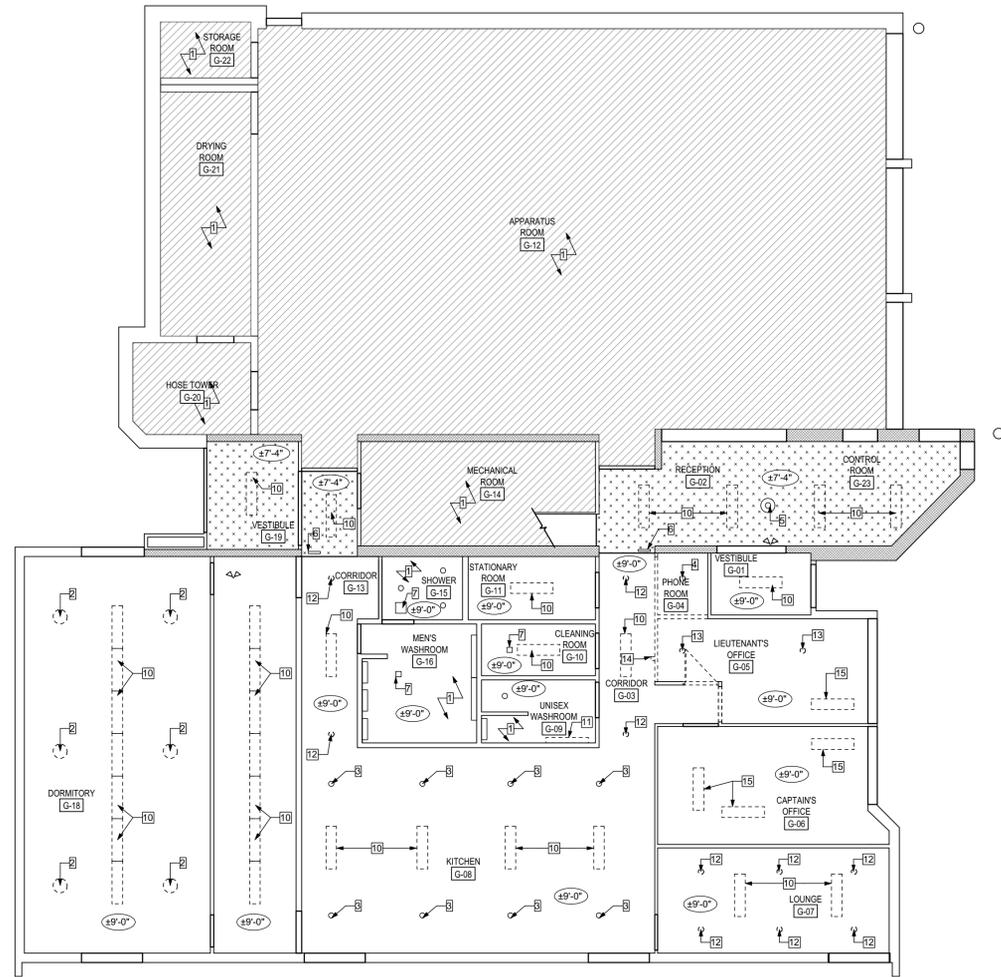
NO.	DATE	REVISION / ISSUANCE
4	DD.MM.YYYY	-
3	DD.MM.YYYY	-
2	DD.MM.YYYY	-
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0	25.06.2020	- ISSUED FOR CONSTRUCTION



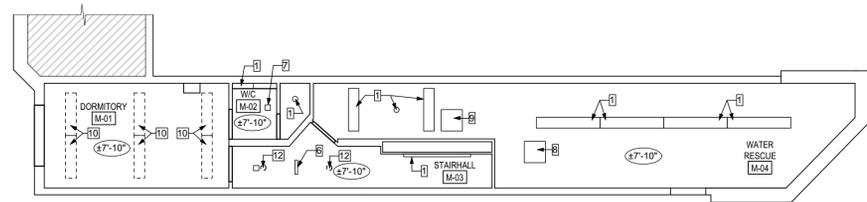
architecture inc.  
100 Fort Street, Suite 101 Winnipeg, Manitoba R3C 1C7 204 318 2110

Project: BID OPPORTUNITY 280-2020  
**WINNIPEG FPS FIRE STATION #13 INTERIOR RENOVATIONS**  
799 LILAC STREET

Project No. 19089A  
Date: 25.06.2020  
**A1.0**



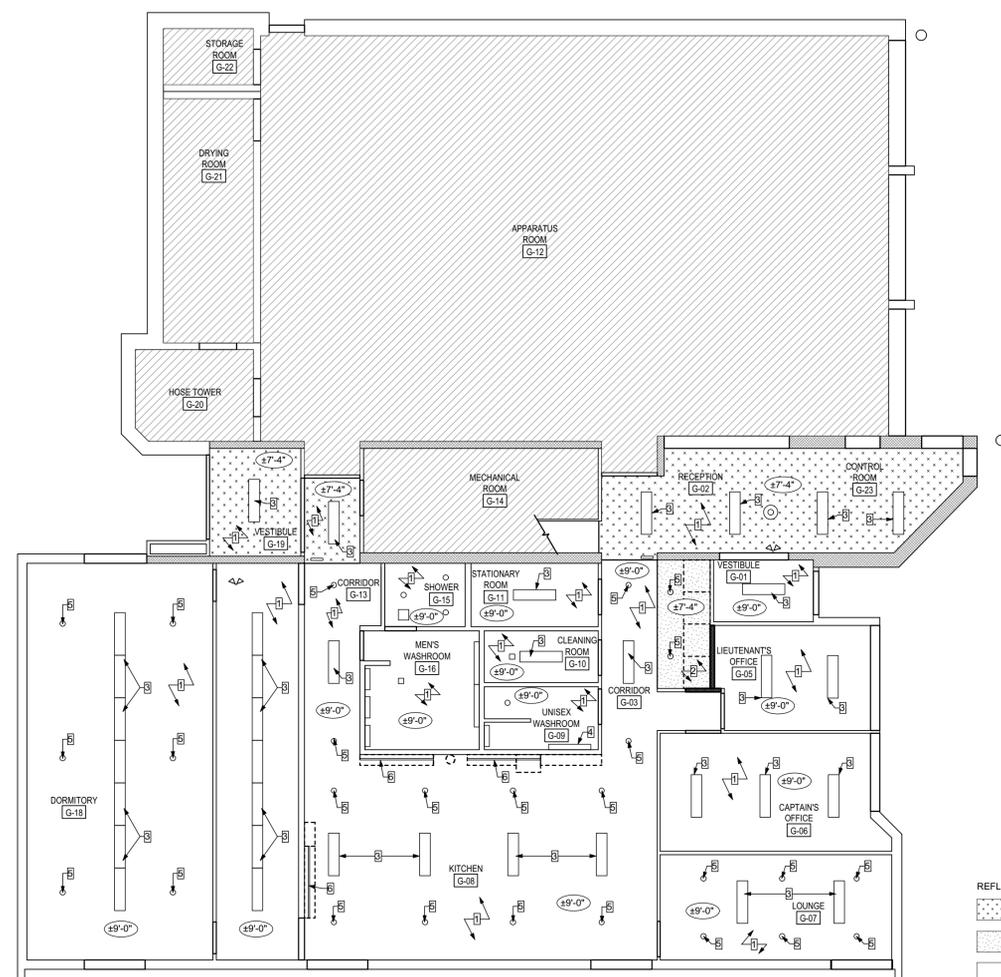
1 MAIN FLOOR RCP - DEMOLITION  
SCALE: 1/8" = 1'-0"



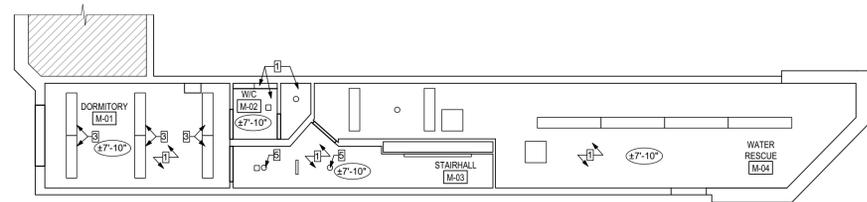
3 MEZZANINE RCP - DEMOLITION  
SCALE: 1/8" = 1'-0"

DEMOLITION RCP NOTES

1. EXISTING LIGHTING FIXTURES TO REMAIN, TYP.
2. EXISTING PENDANT FIXTURE TO BE REPLACED W/ POT LIGHT - REFER TO ELECT.
3. PREPARE EXISTING JUNCTION BOX FOR NEW POT LIGHT FIXTURE. PATCH & MAKE GOOD CEILING & ADJACENT SURFACES. PAINT EXISTING CEILING. REFER TO ELECTRICAL.
4. REMOVE EXISTING LIGHTING IN PHONE ROOM. REFER TO ELECTRICAL. PATCH & MAKE GOOD ALL ADJACENT SURFACES.
5. EXISTING SPEAKER TO REMAIN. PROTECT DURING CONSTRUCTION.
6. EXIT SIGN TO REMAIN. PROTECT DURING CONSTRUCTION.
7. EXISTING CEILING GRILLES TO REMAIN, TYP. PROTECT DURING CONSTRUCTION.
8. EXISTING DUCT TO REMAIN. REPAIR DRYWALL AROUND DUCT PENETRATION THROUGH CEILING.
9. EXISTING CEILING HATCH TO REMAIN. REPAIR DRYWALL AROUND HATCH OPENING.
10. EXISTING SURFACE MOUNTED FIXTURE TO BE REPLACED - REFER TO ELECT.
11. EXISTING WALL MOUNTED FIXTURE TO BE REPLACED - REFER TO ELECT.
12. EXISTING POT LIGHT FIXTURE TO BE REPLACED. REFER TO ELECT.
13. REMOVE EXISTING POT LIGHT FIXTURE IN LIEUTENANT'S OFFICE. REFER TO ELECTRICAL. PATCH & MAKE GOOD ALL SURFACES.
14. REMOVE SURFACE MOUNTED ELECTRICAL. PATCH & REPAIR ALL ADJACENT SURFACES. REFER TO ELECT.
15. EXISTING SURFACE MOUNTED FIXTURE TO BE REPLACED & RELOCATED - REFER TO ELECT. PATCH & MAKE GOOD ALL SURFACES.



2 MAIN FLOOR RCP - RENOVATION  
SCALE: 1/8" = 1'-0"



4 MEZZANINE RCP - RENOVATION  
SCALE: 1/8" = 1'-0"

RENOVATION RCP NOTES

1. PATCH & PAINT EXISTING CEILING - REFER TO ROOM SCHEDULE
2. NEW STEEL STUD GWB BULKHEAD. HEIGHT TO MATCH CEILING HEIGHT IN ROOM G-02
3. NEW SURFACE MOUNTED LIGHT FIXTURE - REFER TO ELECT.
4. NEW WALL MOUNTED LIGHT FIXTURE - REFER TO ELECT.
5. NEW POT LIGHT FIXTURE - REFER TO ELECT.
6. UNDERCABINET LIGHTING - REFER TO ELECT.

- REFLECTED CEILING PLAN LEGEND
- EXISTING STIPPLE CEILING - PATCH AND PAINT. - REFER TO ROOM SCHEDULE FOR FINISH
  - NEW GWB CEILING - REFER TO ROOM SCHEDULE FOR FINISH
  - EXISTING CEILING TO REMAIN, PATCH & PAINT. - REFER TO ROOM SCHEDULE FOR FINISH
  - EXISTING CEILING TO REMAIN.

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THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.  
ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.  
ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.  
THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY DEMOLITION AND THE REMOVAL OF ALL ITEMS FORMING PART OF THE RENOVATION WORK.  
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NO.	DATE	REVISION / ISSUANCE
4	DD.MM.YYYY	-
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2	DD.MM.YYYY	-
1	DD.MM.YYYY	-
0	25.06.2020	- ISSUED FOR CONSTRUCTION

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0	25.06.2020	- ISSUED FOR CONSTRUCTION

Architect



Architect

architecture inc.  
120 First Street, Suite 103 Winnipeg, Manitoba, R3C 1C7 204 318 2010

Engineer

Project: BID OPPORTUNITY 280-2020  
**WINNIPEG FPS FIRE STATION #13  
INTERIOR RENOVATIONS**  
799 LILAC STREET

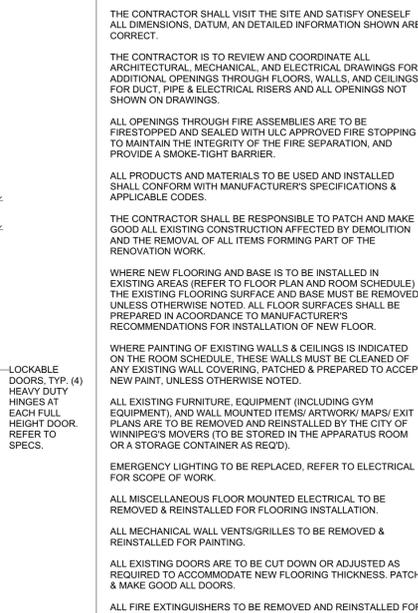
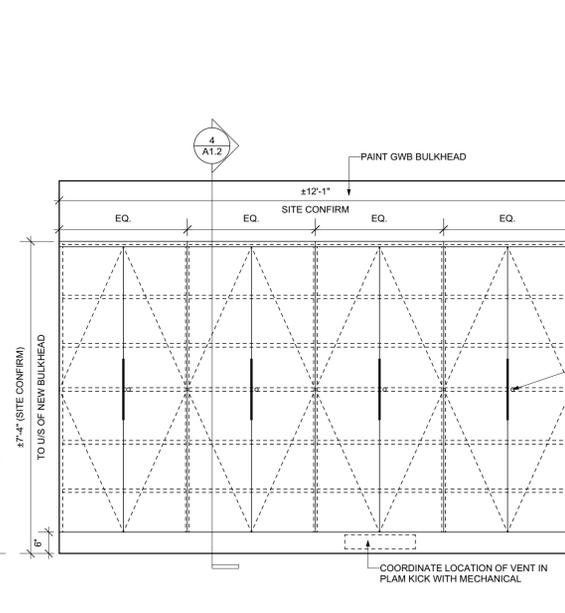
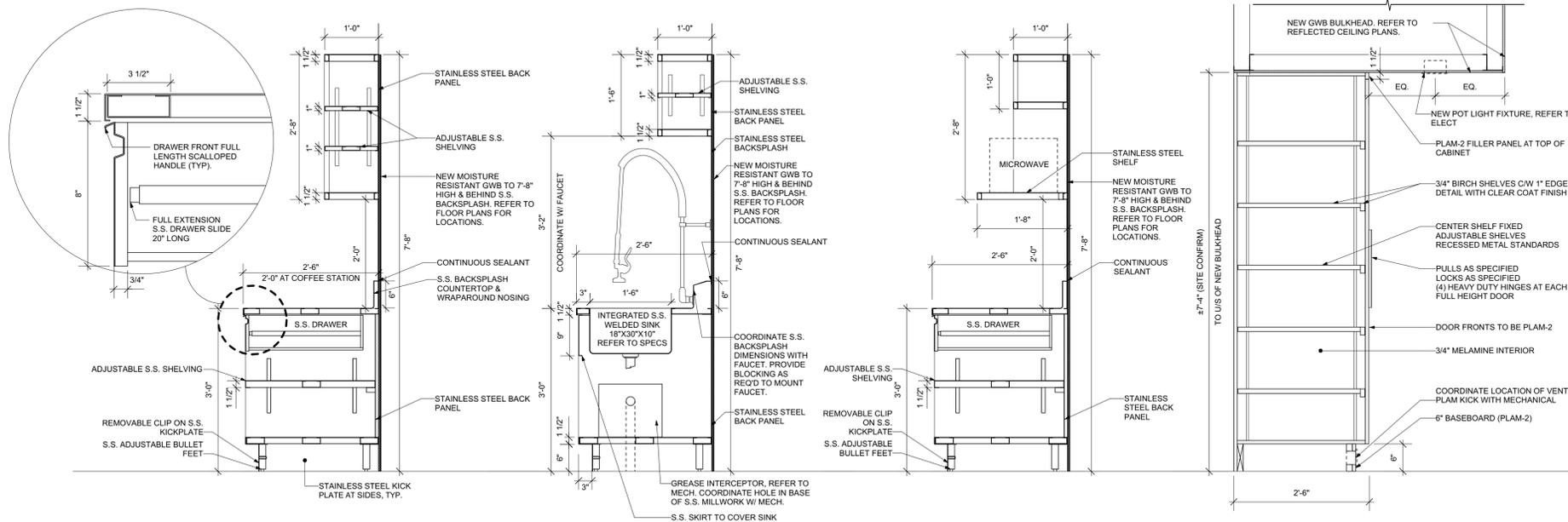
Sheet Title

**REFLECTED CEILING PLANS**

Project No. 19089A

Date 25.06.2020

**A1.1**



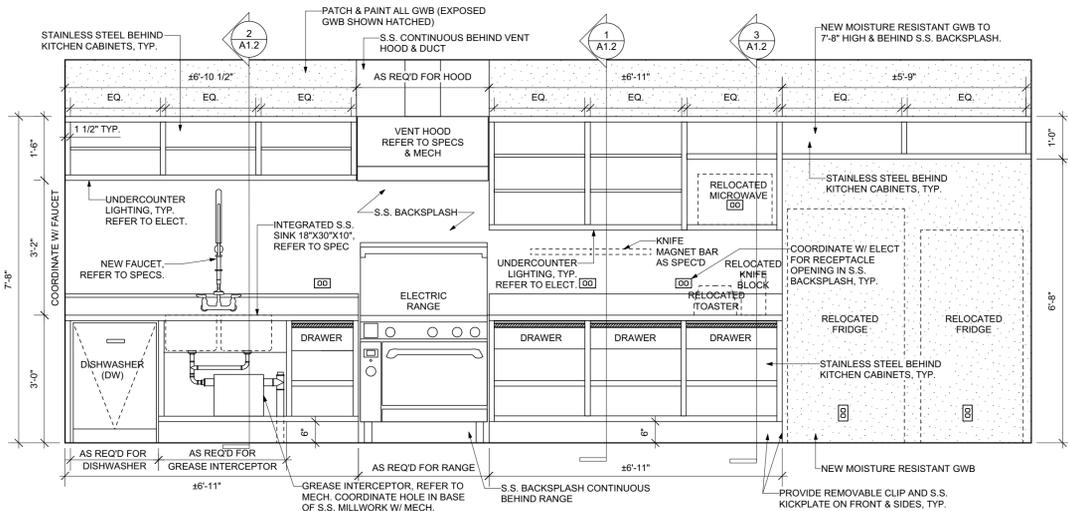
1 KITCHEN CABINETS - TYP. SECTION DETAIL  
A1.2 SCALE: 3/4" = 1'-0"

2 KITCHEN CABINETS - SECTION DETAIL  
A1.2 SCALE: 3/4" = 1'-0"

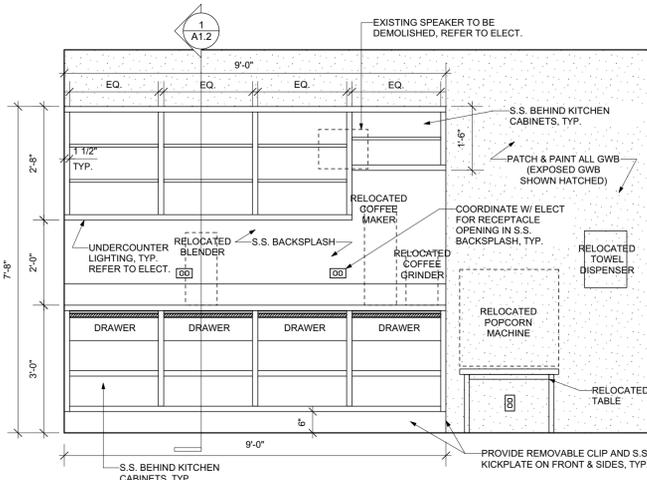
3 KITCHEN CABINETS - SECTION DETAIL  
A1.2 SCALE: 3/4" = 1'-0"

4 STORAGE CABINETS - SECTION DETAIL  
A1.2 SCALE: 3/4" = 1'-0"

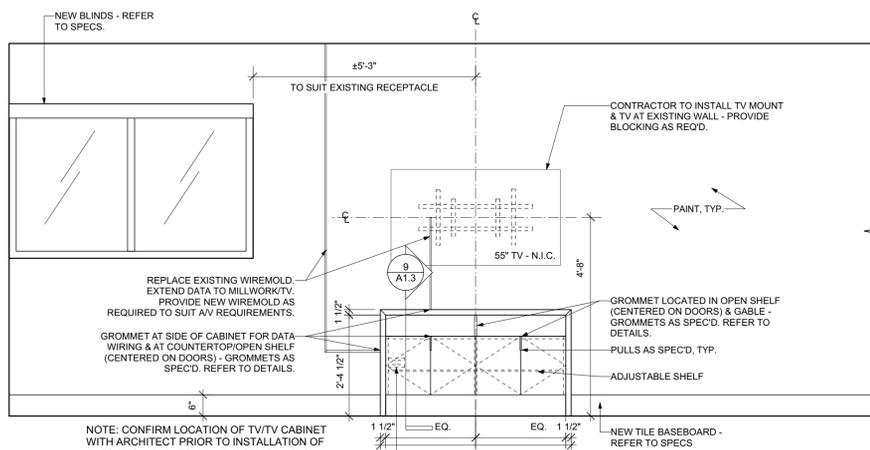
5 INTERIOR ELEVATION - STORAGE CABINETS  
A1.2 SCALE: 1/2" = 1'-0"



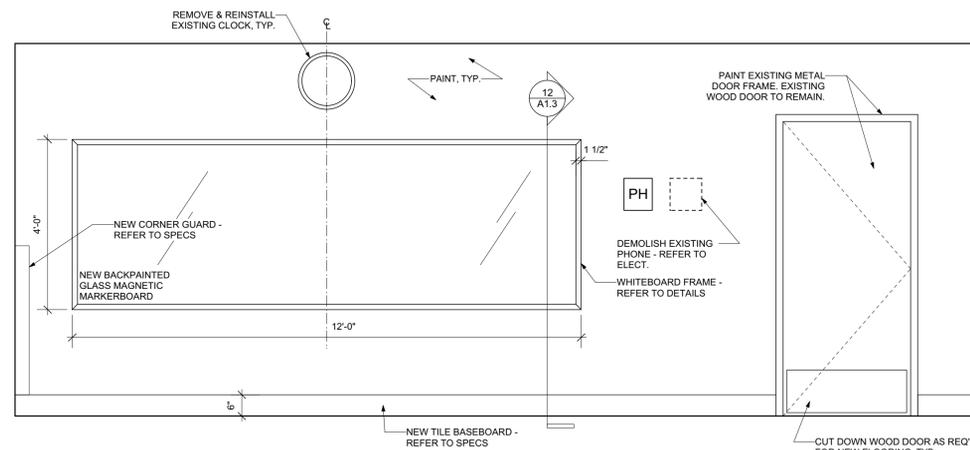
6 INTERIOR ELEVATION - G-08 KITCHEN  
A1.2 SCALE: 1/2" = 1'-0"



7 INTERIOR ELEVATION - G-08 COFFEE STATION  
A1.2 SCALE: 1/2" = 1'-0"



8 INTERIOR ELEVATION - G-08 LIVING AREA  
A1.2 SCALE: 1/2" = 1'-0"



9 INTERIOR ELEVATION - G-08 NEW MARKERBOARD  
A1.2 SCALE: 1/2" = 1'-0"

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**architecture inc.**  
 130 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project: BID OPPORTUNITY 280-2020  
**WINNIPEG FPS FIRE STATION #13**  
 INTERIOR RENOVATIONS  
 799 LILAC STREET

**INTERIOR ELEVATIONS & MILLWORK DETAILS**

Project No. 19089A  
 Date: 25.06.2020  
**A1.2**



**SPECIFICATION NOTES:**

ALL FINISHES LISTED ON THE DRAWINGS ARE THE SELECTED PRODUCTS OF THE WINNIEG FIRE PARAMEDIC SERVICE BASED ON INDUSTRY STANDARDS. DURABILITY, QUALITY, AND MAINTENANCE PURPOSES FOR A HEAVY USE 24/7 ENVIRONMENT. HOWEVER ALTERNATE FINISHES AND/OR PRODUCTS MAY BE CONSIDERED AS AN APPROVED SUBSTITUTE IN ACCORDANCE WITH MATERIALS MANAGEMENT POLICY B7 AS PER THE TENDER DOCUMENTS.

**DIVISION 01 - GENERAL REQUIREMENTS**

- 1. CONTRACTOR TO OBTAIN ALL NECESSARY BUILDING PERMITS & CERTIFICATIONS.
2. CONTRACTOR MUST HAVE A WRITTEN WORKPLACE SAFETY AND HEALTH PROGRAM IN ACCORDANCE WITH THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA).
3. CONTRACTOR SHALL BE THE PRIME CONTRACTOR AND SHALL SERVE AS, AND HAVE THE DUTIES OF THE PRIME CONTRACTOR IN ACCORDANCE WITH THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA).
4. COORDINATE PROGRESS SCHEDULE AND COORDINATE WITH CONTRACT ADMINISTRATOR DURING CONSTRUCTION.
5. RESTRICT USE OF SITE TO AREA AFFECTED BY RENOVATION.
6. PROMPTLY REPORT ALL ACCIDENTS AND POTENTIAL LIABILITY CLAIMS TO THE CONTRACT ADMINISTRATOR.
7. PROTECT EXISTING FINISHES AND EQUIPMENT FROM DAMAGE DURING CONSTRUCTION.
8. AT COMPLETION OF OPERATIONS, CONDITION OF EXISTING WORK TO BE EQUAL OR BETTER THAN THAT WHICH EXISTED BEFORE NEW WORK STARTED.

- 8. SHOP DRAWING SUBMITTALS REQUIRED:
- DOORS & DOOR HARDWARE
- DINING ROOM TABLE & BASES
- MOVABLE PARTITION
- FLOORING AND TRIMS
- WALL PROTECTION
- PAINT SAMPLES
- GLASS MARKER BOARD & FRAMES
- WINDOW COVERINGS
- APPLIANCES AND EQUIPMENT
- WASHROOM ACCESSORIES
- MILLWORK & MILLWORK HARDWARE
- KITCHEN ACCESSORIES
- BLINDS & ROLLER SHADES
- ALL MECHANICAL AND ELECTRICAL EQUIPMENT (REFER ALSO TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SHOP DRAWING SUBMITTAL REQUIREMENTS).

- 9. CLOSE-OUT SUBMITTALS REQUIRED: MANUFACTURER'S LITERATURE FOR ALL PRODUCTS, FINISHES AND/OR EQUIPMENT REQUIRED FOR THIS PROJECT, INCLUDING OPERATING AND MAINTENANCE INFORMATION AS WELL AS PRODUCT WARRANTY. ALL INFORMATION TO BE SUBMITTED DIGITALLY (ONE CDDVD, PDF FORMAT) AND A SINGLE HARD COPY IN A "D" RING BINDER WITH SPINE AND FACE POCKETS. COVER AND SPINE TO IDENTIFY PROJECT AND SUBJECT MATTER. ARRANGE CONTENT BY SECTION NUMBERS AND SEQUENCE OF TABLE OF CONTENTS.

- 10. AS-BUILT DRAWINGS: AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO SUBMIT ONE (1) PAPER COPY (24" x 36") AND ONE (1) ELECTRONIC COPY (PDF FORMAT) OF "RED-LINED" DRAWINGS AS MAINTAINED AT THE SITE DURING CONSTRUCTION.

- 11. MECHANICAL BALANCING AND TESTING REPORT(S) AND FIRE ALARM VERIFICATION TO BE SUBMITTED UPON COMPLETION OF WORK (REFER TO MECHANICAL AND ELECTRICAL).
12. WARRANTY FOR ALL WORK RELATED TO THIS PROJECT TO BE MINIMUM ONE (1) YEAR.

- 13. CONTRACTOR TO NOTIFY CONSULTANT IMMEDIATELY UPON DISCOVERY OF ANY UNKNOWN HAZARDOUS MATERIAL DISCOVERED ON SITE. NO WORK TO BE CONDUCTED IN AREA OF HAZARDOUS MATERIAL UNTIL WRITTEN INSTRUCTION AND APPROVAL HAS BEEN RECEIVED FROM THE CONSULTANT.

- 14. CONSULTANTS AND CONTRACT ADMINISTRATOR TO HAVE UNRESTRICTED ACCESS TO THE WORK.

- 15. UTILITIES AND SERVICES, INCLUDING WATER SUPPLY, HEATING AND VENTILATION, AND POWER AND LIGHTING WILL BE AVAILABLE ON SITE. ANY MODIFICATION TO SUCH SERVICES AS REQUIRED BY THIS PROJECT TO BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

- 16. EXISTING FACILITIES ARE TO BE PROTECTED FROM DAMAGE AND TO BE KEPT CLEAN AND AT ALL TIMES.

- 17. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TEMPORARY FIRE PROTECTION EQUIPMENT DURING PERFORMANCE OF WORK REQUIRED BY GOVERNING CODES, REGULATIONS AND BYLAWS.

- 18. CONSTRUCTION OFFICE AND TOOLS AND EQUIPMENT STORAGE ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. LOCATION OF, AND SERVICES FOR, ANY SUCH TEMPORARY FACILITIES ARE TO BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

- 19. DELIVER, STORE AND HANDLE ALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. STORE OFF GROUND, INDOORS IN A DRY WELL VENTILATED AREA. PROTECT FROM NICKS, SCRATCHES OR BLEMISHES AND REPLACE DEFECTIVE OR DAMAGED MATERIALS WITH NEW.

- 20. MAINTAIN WORK IN TIDY CONDITION, FREE FROM ACCUMULATION OF WASTE PRODUCTS AND DEBRIS.

- 21. CLEAN INTERIOR AREAS PRIOR TO START OF FINISHING WORK AND MAINTAIN AREAS FREE OF DUST AND OTHER CONTAMINANTS DURING FINISHING OPERATIONS.

- 22. PROVIDE ADEQUATE VENTILATION CONDITIONS DURING USE OF VOLATILE OR NOXIOUS SUBSTANCES. USE OF BUILDING VENTILATION SYSTEMS IS NOT PERMITTED FOR THIS PHASE.
- WORK HAS BEEN COMPLETED AND INSPECTED BY THE CONTRACTOR FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- DEFECTS AND DEFICIENCIES HAVE BEEN CORRECTED AND COMPLETED.
- EQUIPMENT AND SYSTEMS HAVE BEEN TESTED, ADJUSTED, BALANCED AND ARE FULLY OPERATIONAL.
- CERTIFICATES REQUIRED BY THE AUTHORITY(IES) HAVING JURISDICTION HAVE BEEN OBTAINED.
- OPERATION OF SYSTEMS HAVE BEEN DEMONSTRATED TO THE CONTRACT ADMINISTRATOR'S PERSONAL SATISFACTION.
- WASTE PRODUCTS AND DEBRIS HAVE BEEN REMOVED, ALL AREAS AFFECTED BY THE WORK HAVE BEEN CLEANED (ACCORDING TO PROPRIETARY LITERATURE FOR INDIVIDUAL PRODUCTS OR COMPONENTS) AND IS SUITABLE FOR OCCUPANCY.

- 24. IF DECLARED SUBSTANTIALLY COMPLETE BY THE CONSULTANT, CONTRACTOR TO APPLY FOR CERTIFICATE OF SUBSTANTIAL PERFORMANCE. LIEN AND WARRANTY PERIOD TO COMMENCE UPON DATE OF CONTRACT ADMINISTRATOR'S ACCEPTANCE OF SUBMITTED DECLARATION OF SUBSTANTIAL PERFORMANCE.

- 25. CONTRACTOR TO ARRANGE FINAL REVIEW WITH THE CONSULTANT ONCE THE FOLLOWING CHECKLIST HAS BEEN COMPLETED.
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**STAINLESS INTEGRAL KITCHEN SINK**
- 16GA S.S. 130444 MINIMUM - ALL COVERED WELDED INTEGRAL INTO COUNTERTOP -
- WELDS CLEANED AND POLISHED TO BLEND WITH S.S. TOP.
- SEE SIZES ON DRAWINGS
- 3 1/2" S.S. STRAINER ASSEMBLIES CW 1 1/2" DRAIN

**SOLID SURFACE COUNTERTOPS (SSC-1)**
MANUFACTURER: WILSONART
PRODUCT: SOLID SURFACE
COLOUR: CHILLED EARTH 9228S5
FINISH: MATTE
THICKNESS: 1/2" THICK
SHEET SIZE: 30" W X 2.144'
FIRE PERFORMANCE CANULC-S102.2: SMOKE DEVELOPED VALUE 5
WARRANTY: 10 YEAR LIMITED PRODUCT WARRANTY
ENVIRONMENTAL: GREENGUARD INDOOR AIR QUALITY CERTIFIED; NSF CERTIFIED.

**QUARTZ COUNTERTOPS (QZ-1)**
MANUFACTURER: HANSTONE
PRODUCT: QUARTZ
COLOUR: TOFINO
FINISH: POLISHED SURFACE ON ALL EDGES; NON-PORUS, SCRATCH RESISTANT; MOULD RESISTANT; CAPERS TO BE ROUND.
THICKNESS: 3/4" THICK
COMPRESSION STRENGTH: ASTM C170
SURFACE BURNING CHARACTERISTICS: CLASS A; ASTM E84. FLAME SPREAD INDEX-10 OR LESS;
ENVIRONMENTAL: GREENGUARD CERTIFIED; NSF CERTIFIED
WARRANTY: 10 YEAR COMMERCIAL WARRANTY
LOCATION: CUSTOM COMMON AREA DINING TABLETOP

**SOLID COMPACT LAMINATE (PLAM-1)**
MANUFACTURER: FORMICA
PRODUCT: COMPACT STRUCTURAL LAMINATE, GRADE S6
COLOUR: GEE ASH 8844
TEXTURE: MATTE
THICKNESS: 3/4"
SURFACE BURNING CHARACTERISTICS: CLASS B; ASTM E84
WARRANTY: 1 YEAR
LOCATION: MILLWORK VERTICAL SURFACES AND EXPOSED CABINET BASES WHERE POSSIBLE.
SPECIAL: RUN WOODGRAIN IN HORIZONTAL ORIENTATION

**SOLID COMPACT LAMINATE (PLAM-2)**
MANUFACTURER: FORMICA
PRODUCT: COMPACT STRUCTURAL LAMINATE, GRADE S6
COLOUR: STORM SOLIDZ 3505
TEXTURE: MATTE
THICKNESS: 3/4"
SURFACE BURNING CHARACTERISTICS: CLASS B; ASTM E84
WARRANTY: 1 YEAR
LOCATION: MILLWORK VERTICAL SURFACES AND EXPOSED CABINET BASES WHERE POSSIBLE.
SPECIAL: RUN WOODGRAIN IN HORIZONTAL ORIENTATION

**STAINLESS STEEL COUNTERTOPS (SS-1) - KITCHEN**
TYPICAL COUNTERTOPS: 16 GAUGE TYPE 304 #4 STAINLESS STEEL COMPLETE WITH MARINE EDGE LIP AND FRONT AND SIDES (TYPICAL)
KITCHEN SINKS: KITCHEN COUNTERTOP TO RECEIVE INTEGRAL STAINLESS STEEL SINK INTO COUNTERTOP

**MILLWORK HARDWARE**
LOOKS:
HAFELE CYLINDER MODULE SYSTEM
VERTICAL INSTALLATION DOOR LOCK MODEL: 235.08.358 P516

**PULLS:**
RICHELIEU: CONTEMPORARY ALUMINUM EDGE PULL - 9898
LENGTH: 212mm TYPICAL, 436mm AT FULL HEIGHT CABINETS, 96mm AT TV CABINET
BRUSHED BLACK FINISH
REFER TO ELEVATIONS & DETAILS

**HEAVY DUTY HINGES:**
PRODUCT: CONCEALED HINGE (HEAVY DUTY)
MANUFACTURER: HAFELLE
MODEL: SUGATSUNE J95
DESCRIPTION: HEAVY DUTY, FULL OVERLAY, SCREW MOUNT, NICKEL-PLATED; (2) HINGES CAPABLE OF SUPPORTING 50 LBS

**INSTALLATION:** PROVIDE (4) HINGES FOR EACH FULL HEIGHT STORAGE CABINET DOOR

**GROMMETS:**
RICHELIEU: METAL GROMMET - 20694170
SIZE: 75mm DIAMETER
STAINLESS STEEL FINISH
REFER TO ELEVATIONS & DETAILS

**MONITOR ARMS:**
MANUFACTURER: ESI
MODEL: EDGE SINGLE MONITOR ARM
FINISH: EDGE-BLK BLACK
REFER TO ELEVATIONS & DETAILS

**DIVISION 07 - THERMAL AND MOISTURE PROTECTION**
**07 21 16 BLANKET INSULATION**
INTERIOR WALL INSULATION:
- BATT AND BLANKET MINERAL FIBRE INSULATION
- THICKNESS: AS NOTED IN DRAWINGS
- PRODUCT: ROCKWOL SAFE/SOUND OR APPROVED EQUAL

**DIVISION 08 - OPENINGS**
**08 10 06 METAL DOORS AND FRAMES: INTERIOR DOOR FRAME**
- 16 GAUGE HOLLOW METAL, 2" FACE PROFILE.
- HOLLOW METAL FRAME, PAINTED
- PROVIDE SHOP DRAWINGS FOR CONSULTANT REVIEW
- STANDARD OF ACCEPTANCE: ALLMAR STANDARD SERIES HOLLOW METAL FRAME
- REFER TO DOOR SCHEDULE

**08 14 16 FLUSH WOOD DOORS**
- SOLID PARTICLEBOARD CORE WITH DENSITY OF 28-28lbs PER CUBIC FOOT
- 1/8" THICK VENEER, TILE, TOP AND BOTTOM RAILS, LONGITUDINALLY LAMINATED BY HOT PRESSING W/ TYPE 1 STRUCTURAL GLUE
- WOOD VENEER, FRAMES, IMPALE VENEER, 2 PLY (PLYWOOD) GLEUED TO COMPOSITE CROSS-BAND, VENEER TO MATCH ADJACENT DOOR. MANUFACTURER TO CONFIRM SPECIES PRIOR TO FABRICATION.
- STAIN TO MATCH EXISTING DOORS
- REFER TO DOOR SCHEDULE

**08 11 01 DOOR HARDWARE**
ALL HARDWARE TO BE COMMERCIAL GRADE HARDWARE
- PROVIDE THRESHOLDS, WEATHERSTRIPPING, SEALS AND DOOR GASKETS AS REQUIRED
- PROVIDE SMALL FORMAT INTERCHANGEABLE CORES (SFC)
- PROVIDE MAINTENANCE TOOLS AND ACCESSORIES SUPPLIED BY HARDWARE COMPONENT MANUFACTURER.
- ALL KEYING TO BE COMPLETED BY CONTRACT ADMINISTRATOR
- ALL HANDLES TO BE LOCKABLE LEVER TYPE HANDLES, UNLESS NOTED OTHERWISE, REFER TO ELEVATION
- ACCEPTABLE SUPPLIERS: SCHLAGE, SATIN CHROMIUM FINISH OR EQUAL
- EXACT DOOR HARDWARE TO BE DETERMINED BY THE DOOR HARDWARE SUPPLIER AND APPROVED BY CONTRACT ADMINISTRATORS. PROVIDE SHOP DRAWINGS.
- 3 HINGES TO MATCH EXISTING
- KICK PLATES: 12" ROCKWOOD KICKPLATES - K1050 12" US32D RO BRUSHED STAINLESS FINISH
- PUSH PLATES: 111 x 70C US32D RO
- ROCKWELL 461 US2SD RO

**DIVISION 09 - FINISHES**
**09 21 16 GYPSUM BOARD ASSEMBLIES**
**WALL FINISH:**
- CGC TYPE X, 5/8" THICK X 4'0" WIDTHS, ENDS SQUARE CUT, EDGES TAPERED, APPLICATION AND FINISHING OF GYPSUM BOARD TO BE IN ACCORDANCE WITH ASTM C840, FINISH FACE PANEL JOINTS, INTERNAL ANGLES, SCREW HEAD DEPRESSIONS WITH JOINT SYSTEM CONSISTING OF JOINT COMPOUND, JOINT TAPE AND TAPING COMPOUND FEATHERED OUT ONTO PANEL FACES. FINISH CORNER BEADS AND TRIM AS REQUIRED WITH TWO COATS OF JOINT COMPOUND AND ONE COAT OF TAPING COMPOUND FEATHERED OUT ONTO PANEL FACES. COMPLETED INSTALLATION TO BE SMOOTH, LEVEL OR PLUMB, FREE FROM WAVES AND OTHER DEFECTS, READY FOR SURFACE FINISH.

**MOISTURE-RESISTANT INTERIOR GYPSUM BOARD:**
- TO ASTM C 1396M, MOISTURE-RESISTANT, TREATED CORE, MOULD RESISTANCE RATING 10 TO ASTM C 373, TYPE X, 5/8" THICK FOR WALLS, 1/2" THICK FOR CEILINGS BY 48" WIDTH WITH MAXIMUM PRICAL LENGTH, ENDS SQUARE CUT, LONG EDGES BEVELLED. LOCATION: WASHROOMS AND WHERE INDICATED, STANDARD OF ACCEPTANCE: US30CG3 SMOCKTHROCK BRAND GLASS MATT PANELS MOLD INHIBITING VHM FIRECODE X, ACCESSORIES AS APPROVED BY MANUFACTURER, LEVEL 5 FINISH.

**CEILING AND BULKHEAD FINISH:**
- STANDARD GYPSUM BOARD TO ASTM C1396/C1396M, REGULAR, 5/8" THICK X 4'-0" WIDTHS, ENDS SQUARE CUT, EDGES TAPERED, APPLICATION AND FINISHING OF GYPSUM BOARD TO BE IN ACCORDANCE WITH ASTM C840, FINISH FACE PANEL JOINTS, INTERNAL ANGLES, SCREW HEAD DEPRESSIONS WITH JOINT SYSTEM CONSISTING OF JOINT COMPOUND, JOINT TAPE AND TAPING COMPOUND. INSTALLED ACCORDING TO MANUFACTURER'S DIRECTIONS AND ONE COAT OF TAPING COMPOUND FEATHERED OUT ONTO PANEL FACES. COMPLETED INSTALLATION TO BE SMOOTH, LEVEL OR PLUMB, FREE FROM WAVES AND OTHER DEFECTS, READY FOR SURFACE FINISH.

**09 22 16 NON-STRUCTURAL METAL STUD FRAMING:** WALLS TO BE CONSTRUCTED WITH NON-LD40 BEARING CHANNEL STUD FRAMING AND TRACKS TO ASTM C840, ROOF FORMED FROM HOT DIPPED GALVANIZED STEEL SHEET, FOR SCREW ATTACHMENT OF GYPSUM BOARD. KNOCK-OUT SERVICE HOLES AT 16" CENTERS, METAL CHANNEL STIFFENERS 3/4" X 1/6" GAUGE COLD ROLLED STEEL COATED WITH INHIBITIVE COATING
- CONTRACTOR TO DETERMINE APPROPRIATE GAUGE OF STEEL STUD FOR WALL HEIGHT.
- REFER TO WALL TYPES FOR WALL STUD SIZING
- PROVIDE EXPANSION TRACK AT ALL WALLS THAT GO TO US OF STRUCTURE. REFER TO DETAIL.

**09 91 99 PAINTING FOR MINOR WORKS**

**PAINTING**
- ENSURE ALL SURFACES TO BE PAINTED ARE CLEANED AND DE-GREASED PRIOR TO ANY PAINTING WORK. ENSURE APPLICATION, LIGHT LEVELS, TEMPERATURE, HUMIDITY AND SUBSTRATE MOISTURE CONTENT LEVELS ARE WITHIN THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDE LIMITS.

- SUBMIT 8"X10" OF EACH PAINT WITH THE SPECIFIED PAINT IN COLOURS, GLOSS/SHEEN AND TEXTURES REQUIRED TO MPI (MASTER PAINTERS INSTITUTE) PAINTING SPECIFICATION MANUAL, STANDARDS SUBMITTED ON THE FOLLOWING SUBSTRATE MATERIALS: 1/8" PLATE STEEL FOR FINISHES OVER METAL SURFACES, 2" CONCRETE BLOCK FOR FINISHES OVER CONCRETE MASONRY SURFACES, 1/2" GYPSUM BOARD FOR FINISHES OVER GYPSUM BOARD.
- REFER TO DRAWINGS AND ROOM FINISH SCHEDULE FOR PAINTED SURFACES.
- IN THE OPEN OFFICE, PAINT ALL EXPOSED STRUCTURE (INCLUDING JOISTS & ROOF BEAMS), CONDUITS, PIPING, AND OTHER MECHANICAL (INCLUDING DUCT WORK) AND ELECTRICAL EQUIPMENT WITH COLOUR AND FINISH TO MATCH ADJACENT SURFACES, EXCEPT AS NOTED OTHERWISE.

**DOORS & FRAMES:**
- FINISH EXISTING HOLLOW METAL FRAMES & DOORS AS PER MANUFACTURER'S PUBLISHED INSTALLATION GUIDE WITH ONE COAT PRIMER AND TWO COATS OF A HIGH-QUALITY LATEX, SEMI-GLOSS FINISH PAINT, STANDARD OF ACCEPTANCE: PRIMER: SHERWIN WILLIAMS PRO-CRYL UNIVERSAL PRIMER, TOP COAT: SHERWIN WILLIAMS SOLO ACRYLIC INTERIOR/EXTERIOR LATEX (SUBMIT COLOUR SAMPLE TO CONSULTANT FOR APPROVAL).

**EPOXY PAINT (EPT-1):**
MANUFACTURER: STONGLAZE
PRODUCT: STONHARD, INC., STONGLAZE VSR, STONGLAZE VSR AS DISTRIBUTED BY STONHARD DIVISION, RFP CANADA, IS A NOMINAL 10-12 MIC (250 TO 300 MICRON) THICK SYSTEM COMPRISED OF A TWO-COMPONENT, GENERAL SERVICE, POLYAMIDE EPOXY PRIMER AND A TWO-COMPONENT, HIGH PERFORMANCE, HIGH GLOSS, EPOXY GLAZE COATING, HIGH GLOSS FINISH.
DESCRIPTION: RESINOUS WALL SYSTEM INCLUDES A PENETRATING, TWO-COMPONENT, EPOXY POLYAMIDE PRIMER AND A TWO-COMPONENT, HIGH PERFORMANCE, HIGH GLOSS, PROMOTED EPOXY GLAZE COATING.
COLOUR: CUSTOM COLOR TO MATCH BENJAMIN MOORE #OC-17 WHITE DOVE.
HARDNESS: 80-85 (ASTM D-2240 SHORE D DUROMETER)
WOND STRENGTH: >300 PSI (ASTM D-7234)
IMPACT RESISTANCE: EXCEEDS 80 IN. LBS (ASTM D-2794) (NO CRACKING, CRAZING OR LOSS OF ADHESION)
WEAR RESISTANCE: 0.08 GM MAX WEIGHT LOSS (ASTM D-4060, TABER ABRADER CS-17 WHEEL)
MOCKUP: APPLY FULL THICKNESS MOCKUPS ON 48-INCH- (1200-MM-) SQUARE WALL AREA SELECTED BY CONTRACT ADMINISTRATOR.

**EXISTING WALL & CEILING FINISHES:**
- PREPARE TO RECEIVE NEW PAINT FINISH, REMOVE ALL LOOSE OR DAMAGED MATERIALS, RAKE CRACKS TO A MINIMUM DEPTH OF 1/8" AND SMOO-COAT WITH GYPSUM-BASED COMPOUND TO PROVIDE SMOOTH, PAINTABLE FINISH. APPLY IN MULTIPLE COATS AS REQUIRED

**FLOORING**
**RESILIENT SHEET FLOORING (RSF-1)**
PRODUCT: ARMSTRONG FLOORING HETEROGENEOUS SHEET FLOORING
STYLE: CORON
COLOUR: 88702 WHITE CLIFFS
CONSTRUCTION: INLaid; TRUE THROUGH-PATTERN WEAR LAYER
THICKNESS: 2.0 MM PRODUCT: 1.27 MM WEAR LAYER
ROLL WIDTH: 6FT (1.83M)
COORDINATED WELD ROD: ARMSTRONG STONE GREY W188
BACKING: TEXTURED TYPE 1, CLASS A BACKING
LIGHT REFLECTANCE: 45-49%
SMOKE DENSITY: ASTM E 662

**FACTORY FINISH: COMMERCIAL U/L CURED POLYURETHANE COATING**
WARRANTY: 5 YEAR COMMERCIAL RESILIENT LIMITED WARRANTY
SUSTAINABILITY: LOW VOC, ENVIRONMENTAL PRODUCT DECLARATION, FLOORSORE CERTIFICATION
INSTALLATION METHOD: FULL SPREAD; AS PER MANUFACTURERS RECOMMENDATIONS

**PORCELAIN QUARRY TILE (QT-1)**
PRODUCT: CAS TILE CERAMTONE COLLECTION- ICON COLLECTION
COLOR: # 5224 JET BLACK, SIZE: 12" X 24" RECTIFIED
RATINGS: (HC) HIGH COMMERCIAL; COF: >0.60; SLIP RESISTANT R10 MATT FINISH
ROSTY PROOF (PP)
TILE BASE: 6" HIGH, CUT TILE BASE TO MATCH. INSTAL SCHLUTER DILEX-AKH PROFILE AND JOLLY AT SPECIFIED.
NECESSARY ACCESSORIES/CONNECTORS BETWEEN FLOOR TILE AND WALL BASE TILE TO PROVIDE AN INSIDE COVE.
PROFILE IN ALL KITCHEN AREAS OR WASHROOM AREAS.
GROUT: EPXOX GROUT (GR-1) TO BE INSTALLED WITH FLOOR TILE. REFER TO SPECIFICATIONS.
TYPICAL GROUT JOINT WIDTH: 1/2"
INSTALLATION METHOD: SUBMITTED PATTERN TO BE BRICK LAYOUT PORTLAND CEMENT AS PER AWS 089423 AND MANUFACTURER'S RECOMMENDED SPECIFICATIONS.

**EPOXY GROUT (GR-1)**
PRODUCT: CUSTOM BUILDING PRODUCTS EPOXY CEG-LITE 100% SOLIDS COMMERCIAL EPOXY GROUT
COLOR: #19 PEWTER
DESCRIPTION: TWO COMPONENT FORMULA, STAIN AND CHEMICAL RESISTANT.

**RUBBER FITNESS FLOORING (RF-1)**
PRODUCT: VOYAGER ATHLETIC TILE RUBBER FITNESS MATTING
MANUFACTURER: EDGEWOOD ATHLETICS
SIZE: 48" X 72"; THICKNESS: 3/16" OR 1/8"; 6.7 LBS.
COLOUR: BLACK
DESCRIPTION: SMOOTH FACE TILE; CUT RESISTANT AND NON-ABSORBENT.
CONSTRUCTION: POLYURETHANE BONDED RECYCLED RUBBER WITH 100% POST-CONSUMER RECYCLED CONTENT AND 20% VIRGIN EPDM GRANULES.
WARRANTY: 5 YEAR WARRANTY AVAILABLE.
EDGING: EDGEWOOD ATHLETICS CARTSMART REGULAR DUTY RAMP EDGE 3.5" W X 3/8" HIGH FOR ACCESSIBILITY.
TICKING: INSTALLATION, TO BE INSTALLED WITH MANUFACTURERS RECOMMENDED DOUBLE SIDED 2" WIDE TAPE.

**FLOORING ACCESSORIES**
**METAL TRIM EDGES/ TRANSITION PROFILE (TR-1)**
MANUFACTURER: SCHLUTER
PRODUCT: DILEX-AKH PROFILE AND NECESSARY ACCESSORIES/CONNECTORS
FINISH: ALUMINUM
LOCATION: INSTALLED BETWEEN FLOOR TILE QT-1 AND WALL BASE TILE TO PROVIDE AN INSIDE COVE PROFILE

**METAL TRIM EDGES / TRANSITION PROFILE (TR-2)**
MANUFACTURER: SCHLUTER
PRODUCT: JOLLY 3/8"
FINISH: ALUMINUM
LOCATION: WALL BASE TOP CAP

**METAL TRIM EDGES / TRANSITION PROFILE (TR-3)**
MANUFACTURER: SCHLUTER
PRODUCT: RENO MET 100 B40
FINISH: ALUMINUM
LOCATION: INSTALLED WHERE QT-1 TRANSITIONS TO EXISTING FLOORING.

**VINYL TRIM EDGES / TRANSITION PROFILE (TR-4)**
MANUFACTURER: TARKETT
PRODUCT: REDUCER RRS-W-G-B
FINISH: 20 CHARCOAL
LOCATION: INSTALLED WHERE RSF-1 TRANSITIONS TO EXISTING

**RUBBER COVERED BASE (RCB-1)**
PRODUCT: TARKETT RUBBER (TP) COVERED BASE
STYLE: TRADITIONAL TOE TYPE
COLOUR: 20 CHARCOAL
HEIGHT: 1/2"
THICKNESS: 1/8" GAUGE
FLAME SPREAD/SMOKE DENSITY: CLASS B-450 SMOKE
FIRE RESISTANCE: (ASTM E 648) CLASS 1
WARRANTY: LIMITED 5 YEAR WARRANTY
SUSTAINABILITY: CRADLE TO CRADLE CERTIFICATION, FLOORSORE CERTIFICATION
INSTALLATION METHOD: AS PER MANUFACTURERS RECOMMENDED ADHESIVE AND APPLICATION METHODS.

**RUBBER STAR TRIMS (RST-1)**
PRODUCT: TARKETT STARWELL, MANAGEMENT-RESILIENT RUBBER STRINGERS AND RISERS
DESCRIPTION: THERMOPLASTIC RUBBER-10" DEEP STRINGER & 7" HIGH RISER (HEIGHT DEPENDING ON STAIR APPLICATION)
FINISH: STRINGER- RS-XX RUBBER; STRINGER, RISER: RR-XX WITH CONTRASTING TACTILE STRIP
TACTILE STRIP
COLOUR: 20 CHARCOAL
THICKNESS: STRINGER 0.80" (2MM); RISER: FLAME SPREAD/SMOKE DENSITY: ASTM E662 NFPA 258 CLASS B-450 SMOKE
FIRE RESISTANCE: (ASTM E 648) NFPA 253-CLASS 1
WARRANTY: LIMITED 5 YEAR WARRANTY
SUSTAINABILITY: CRADLE TO CRADLE CERTIFICATION, FLOORSORE CERTIFICATION
INSTALLATION METHOD: AS PER MANUFACTURERS RECOMMENDATIONS AND ADHESIVE AND APPLICATION METHODS.

**VINYL TACTILE WARNING SURFACE (VTS-1)**
PRODUCT: TARKETT STARWELL, MANAGEMENT-VINYL TACTILE WARNING SURFACE
DESCRIPTION: SOLID COLOR TACTILE WARNING SURFACE
STYLE: 12" X 50" 18"
LOCATION: TO BE INSTALLED AT ALL STAIR TRANSITIONS, AS PER WADS, NBC AND MBC.
COLOUR: TBD, 36 STANDARD COLOURS AVAILABLE.
FLAME SPREAD/SMOKE DENSITY: ASTM E662 NFPA 258 CLASS B-450 SMOKE
FIRE RESISTANCE: (ASTM E 648) NFPA 253-CLASS 1
WARRANTY: LIMITED 5 YEAR WARRANTY
SUSTAINABILITY: CRADLE TO CRADLE CERTIFICATION, FLOORSORE CERTIFICATION
INSTALLATION METHOD: AS PER MANUFACTURERS RECOMMENDATIONS AND ADHESIVE AND APPLICATION METHODS.

**WALL PROTECTION**
CORNER GUARD: STAINLESS STEEL (CG-1)
MANUFACTURER: FROST
PRODUCT: MODERN 117 CORNER GUARD
DESCRIPTION: 1/8 GAUGE; TYPE 304 STAINLESS STEEL
FINISH: NO. 4 BRUSHED FINISH
SIZE: 12" X 4" X 48"
WARRANTY: 1 YEAR WARRANTY
INSTALLATION METHOD: FULL LENGTH SELF-ADHESIVE BACKING AS PER MANUFACTURERS RECOMMENDATIONS AND APPLICATION METHODS

**DIVISION 10 - MISCELLANEOUS SPECIALTIES**
**MAGNETIC BACKPAINTED GLASS MARKERBOARD (MBG-1)**
PRODUCT: FULLY TEMPERED LOW IRON
DESCRIPTION: MINIMUM THICKNESS 5/16" (8MM) COMPRISED OF ONE LAYER OF 1/4" (6MM) GLASS PERMANENTLY BONDED TO A PARAMAGNETIC MATERIAL ON THE UNEXPOSED SURFACE.
FINISH: DECORATORS WHITE
SIZE: REFER TO ELEVATIONS
FINISH: FLAT POLISH
ACCESSORIES: Z-BAR HANGER CLIPS, NO VISIBLE MOUNTING HARDWARE.
STAIRWELL MOUNTING HARDWARE CONCEALED BEHIND THE GLASS.

**WINDOW COVERINGS**
**MANUAL ROLLER BLACKOUT SHADES (RS-1)**
PRODUCT: ALTEX SUNPROJECT- TEXOPAQUE ECO 6100 BLACKOUT ROLLER SHADES
STANDARD WIDTH: 2997 CM (11'8")
STANDARD LENGTH: 27.4 M (90' LVD.)
WEIGHT: 12.14 OZ. /YD.
FABRIC THICKNESS: 0.355MM (0.014")
FABRIC COMPOSITION: 100% POLYESTER WITH ACRYLIC BACKING- PVC FREE; FABRIC TO BE SAME COLOR BOTH SIDES OF SHADE.
FIRE CLASSIFICATION: NFPA 701; CAN UL95-109-03; NFPA 101 CLASS A RATING; IBC SECTION 903.1.1 CLASS A RATING.
BACTERIAL AND FUNGAL RESISTANCE: ASTM E 2180, ASTM G21
SOLAR HEAT CONTROL PROPERTIES: IN ACCORDANCE WITH ASHRAE STANDARD 74-1989
ENVIRONMENTAL: MEETS GREENGUARD GOLD; RECYCLABLE; LEAD FREE FABRIC CASSETTE. 1 ALUMINUM FINISH; SQUARE CASSETTE; CHAIN FOR OPERATING WARRANTY: 1 YEAR WARRANTY

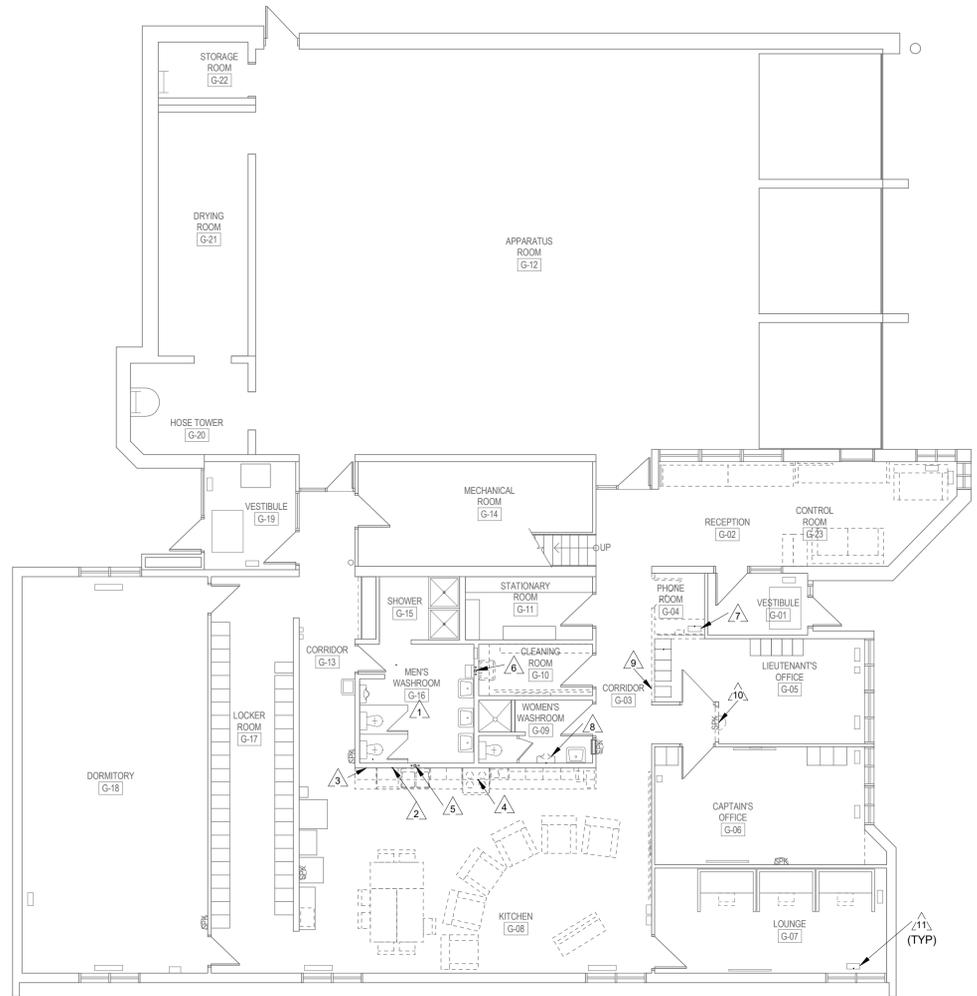
**ROOM PARTITIONS**
PRODUCT: LINGO PANELS OR APPROVED EQUAL
MANUFACTURER: GLOBAL CONTRACT
COLOUR: PANELS & FRAMES TO BE IN DESIGNER WHITE (DWT)
SIZE: EQUAL PANELS TO DIVIDE DORM G18 - SITE CONTRAIN DIMENSIONS. REFER TO RENOVATION PLAN.
2 ADDITIONAL PANELS AT 5'-0" WIDE FOR PRIVACY AT BEDS.
ALL PANELS TO BE 60" HIGH.
LOCATION: DORM G-18
PARTITIONS TO BE MOVABLE (NOT FIXED), PROVIDE ALL FRAMES, CONNECTORS, CASTORS AND LEVELERS.
SPECIAL: SUBSTITUTES CAN BE PROPOSED TO CONSULTANT FOR REVIEW AND APPROVAL.

**DINING TABLE BASE**
PRODUCT: MANHATTAN MNT2 DOUBLE COLUMN T' BASE OR APPROVED EQUAL
W/ CUSTOM QUARTZ (QZ-1) TOP
MANUFACTURER: SIBER
BASE COLOUR: BLACK
SIZE: 42" X 60"
LOCATION: KITCHEN G-08
SPECIAL: SUBSTITUTES CAN BE PROPOSED TO CONSULTANT FOR REVIEW AND APPROVAL.

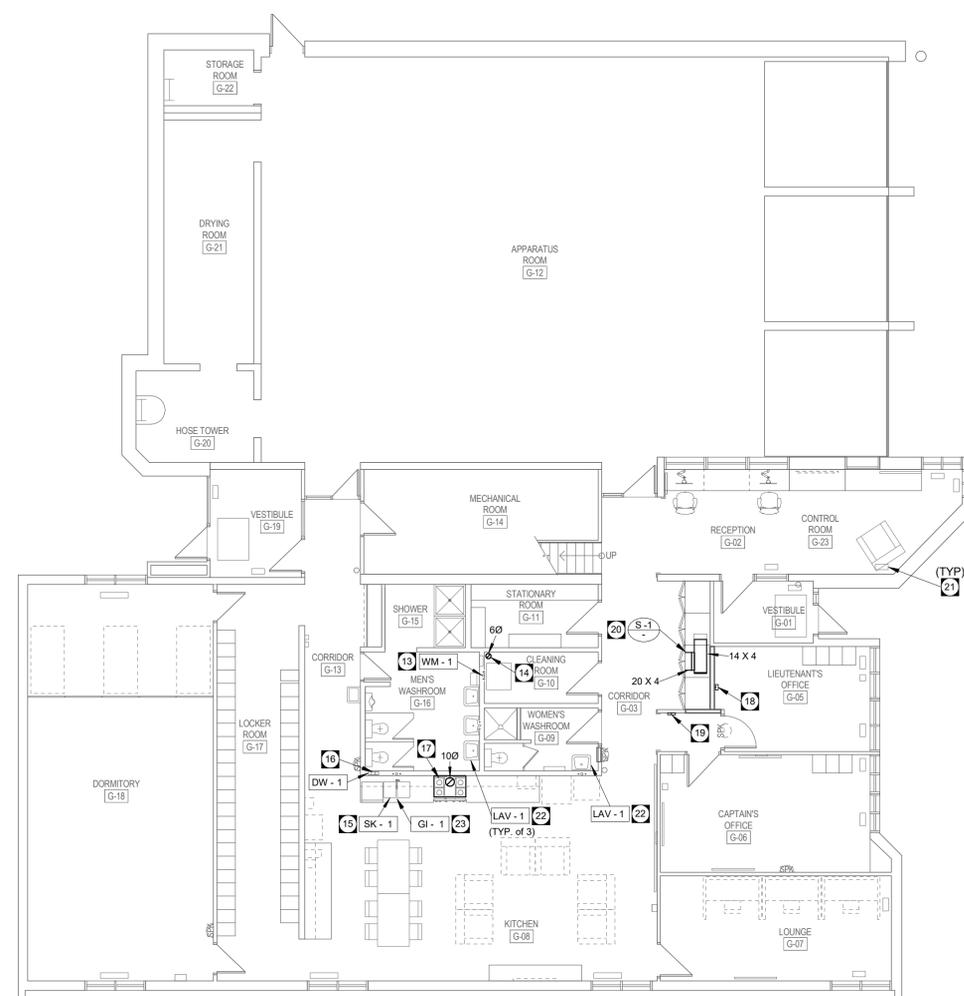
**KITCHEN ACCESSORIES**
**MAGNETIC KNIFE HOLDER**
MANUFACTURER: OMCAN
PRODUCT: MAGNETIC KNIFE BAR 23592
FINISH: STAINLESS STEEL
SIZE: 17.75" X 1.75"

**TOILET AND BATH ACCESSORIES**
**WALL MOUNTED SHELF**
MANUFACTURER: BOBBICH
PRODUCT: B-296 X 18" STAINLESS STEEL SHELF
DESCRIPTION: 18-GAUGE (1.2MM) SHELF, TYPE 304 STAINLESS STEEL, SATIN FINISH, 3/4" (19MM) REINFORCED; FRONT EDGE IS NEMED FOR SAFETY. BRACKETS ARE 16-GAUGE (1.6MM), FINISH: STAINLESS STEEL
SIZE: 18" L X 6" WIDE

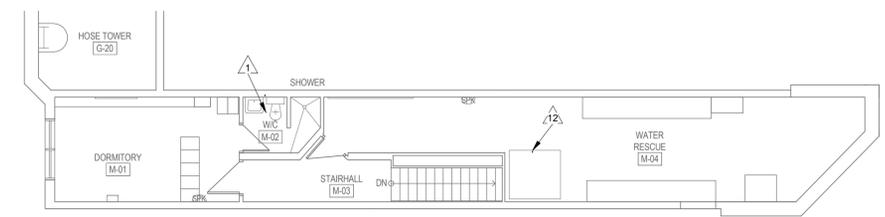
**APPLIANCES**
**COMMERCIAL ELECTRIC RANGE (R-1)**
PRODUCT: IMPERIAL RANGE
MODEL: IR-6E
SIZE: 36"
DESCRIPTION: 6 ROUND ELEMENTS; ELECTRIC RANGE; 240V; 72 AMP WITH 4 CASTOR SWIVEL FEET.
U/L UL COMPLIANT
WARRANTY: LIMITED



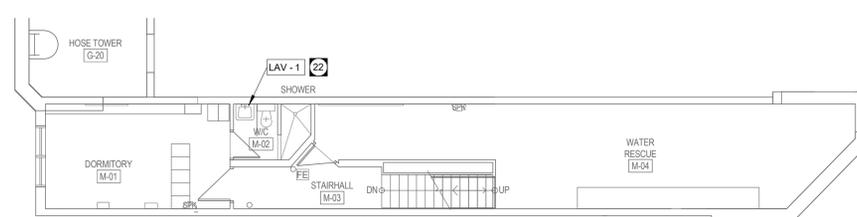
1 MAIN FLOOR PLAN - MECHANICAL DEMOLITION  
 M2.1 SCALE: 1/8" = 1'-0"



2 MAIN FLOOR PLAN - MECHANICAL RENOVATION  
 M2.1 SCALE: 1/8" = 1'-0"



3 MEZZANINE FLOOR PLAN - MECHANICAL DEMOLITION  
 M2.1 SCALE: 1/8" = 1'-0"



4 MEZZANINE FLOOR PLAN - MECHANICAL RENOVATION  
 M2.1 SCALE: 1/8" = 1'-0"

**MECHANICAL GENERAL NOTES**

- CONFORM TO APPLICABLE CODE FOR DEMOLITION WORK, DUST CONTROL, PRODUCTS REQUIRING ELECTRICAL DISCONNECTION OR RECONNECTION.
- CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.
- CLOSE OPENINGS IN EXTERIOR SURFACES TO PROTECT EXISTING WORK FROM WEATHER AND EXTREMES OF TEMPERATURE AND HUMIDITY.
- PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS WHERE NEEDED TO CONTAIN CONSTRUCTION DEBRIS AND DUST. PROVIDE A MINIMUM MERV 8 FILTRATION ON EXISTING INLETS AND RETURN AIR DUCTS AND SYSTEMS.
- PROTECT EXISTING MATERIALS, EQUIPMENT, AND SYSTEMS WHICH ARE NOT TO BE DEMOLISHED.
- CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH OCCUPIED BUILDING AREAS.
- DISCONNECT, REMOVE, CAP, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
- REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE MEANS OF RESTORING SYSTEMS TO ORIGINAL CONDITION.
- CAREFULLY DISMANTLE EXISTING MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED. TEMPORARILY DISCONNECT, REMOVE, AND REINSTALL EXISTING EQUIPMENT, PIPING, DUCTWORK, CONDUIT, LIGHT FIXTURES, AND SIMILAR ITEMS, WHICH INTERFERE WITH THE NEW INSTALLATION AFTER COMPLETION OF NEW WORK OR OF EXISTING INSTALLATIONS TO BE DEMOLISHED. STORE EQUIPMENT AND MATERIALS ON THE PREMISES AS DIRECTED BY THE OWNER.
- DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
- ALL USABLE SALVAGED EQUIPMENT AND MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE.
- FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES WHERE PIPES OR DUCTS WERE REMOVED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- THE ABANDONMENT OF EXISTING EQUIPMENT AND MATERIAL IN PLACE IS NOT ACCEPTABLE. ALL REDUNDANT SERVICES ARE TO BE REMOVED BACK TO ACTIVE MAINS, WHICH SHALL THEN BE CAPPED AT EXISTING POINT OF CONNECTION.
- FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- THE CONTRACTOR SHALL SIZE AND COORDINATE PLUMBING VENTING AND COORDINATE DOMESTIC WATER AND SANITARY PIPE ROUTING. THE CONTRACTOR SHALL ALLOW FOR THE POSSIBILITY OF INTERFERENCES AND SHALL RESOLVE WITH OTHER TRADES ON SITE. ANY CHANGES TO THE DESIGN INTENT REQUIRE APPROVAL BY THE ENGINEER.
- ALL NEW CORING FOR PLUMBING SERVICES SHALL BE DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH ALL OTHER TRADES.
- CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.
- COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.

**KEY NOTES**

- EXISTING WASHROOM FIXTURES AND TRIM TO REMAIN UNLESS OTHERWISE NOTED. DEMOLISH EXISTING LAVATORY FAUCET(S) AND PIPING BACK TO VALVE STOPS. LAVATORIES TO RECEIVE NEW FAUCET DURING RENOVATION.
- DEMOLISH EXISTING DOMESTIC WATER AND SANITARY CONNECTIONS TO DISHWASHER. RETAIN CONNECTIONS FOR FUTURE DISHWASHER INSTALLATION DURING RENOVATION.
- DEMOLISH EXISTING EXHAUST SYSTEM SERVING GRILLE ENTIRELY.
- REMOVE EXISTING RANGE HOOD AND TURN OVER TO OWNER.
- DEMOLISH EXISTING SINK AND ASSOCIATED TRIM. DEMOLISH DOMESTIC WATER AND SANITARY PIPING TO WITHIN WALL CAVITY. PIPING SHALL BE EXTENDED TO SERVE NEW SINK. REFER TO RENOVATION PLAN.
- DEMOLISH EXISTING SERVICE SINK AND ASSOCIATED TRIM. DEMOLISH SANITARY PIPING BACK TO WITHIN CRAWLSPACE. PIPING TO BE EXTENDED TO NEW WASHING MACHINE BOX. REFER TO RENOVATION PLAN. COORDINATE FLOOR PATCHING WHERE EXISTING PIPING WAS REMOVED WITH GENERAL CONTRACTOR.
- DEMOLISH EXISTING FLOOR MOUNTED GRILLE. DUCTWORK TO REMAIN FOR USE IN CONSTRUCTION. REFER TO RENOVATION PLAN.
- DEMOLISH EXISTING URINAL. DEMOLISH DOMESTIC WATER AND SANITARY PIPING SO THAT IT IS FLUSH WITH WALL. PROVIDE CHROME PLATED COVER PLATES.
- REMOVE EXISTING CO MONITOR. MONITOR TO BE RELOCATED DURING CONSTRUCTION. REFER TO RENOVATION PLAN.
- REMOVE EXISTING HUMIDISTAT. HUMIDISTAT TO BE RELOCATED DURING CONSTRUCTION. REFER TO RENOVATION PLAN.
- REMOVE EXISTING FLOOR MOUNTED SUPPLY GRILLE TO ALLOW FOR INSTALLATION OF NEW FLOORING. REINSTALL GRILLE AFTER FLOORING IS COMPLETE. SEAL OFF DUCTWORK DURING CONSTRUCTION. ASSOCIATED FURNACE SHALL BE OFF WITH ALL DUCTWORK COVERED DURING DEMOLITION AND RENOVATION PHASE. TYPICAL ALL.
- EXISTING EXHAUST FAN AND ASSOCIATED DUCTING TO REMAIN.
- PROVIDE NEW RECESSED WASHING MACHINE BOX. EXTEND AND MODIFY EXISTING DOMESTIC WATER WITHIN WALL CAVITY TO SUIT NEW FIXTURE LOCATION. SANITARY PIPING SHALL DROP CONCEALED WITHIN WALL AND CONNECT INTO EXISTING WITHIN CRAWLSPACE.
- ALUMINUM DRYER DUCT TO RUN TIGHT TO WALL AND TERMINATE AT ROOF THROUGH HOOD. HOOD SHALL BE PREMANUFACTURED PAINTED ALUMINUM ROOF HOOD, SUITABLE FOR INSTALLATION ON A PITCHED SHINGLED ROOF. COMPLETE WITH BACKDRAFT DAMPER AND BIRD SCREEN. COORDINATE HOOD INSTALLATION WITH GENERAL CONTRACTOR. INSULATE DRYER DUCTING FOR ENTIRE LENGTH WITHIN ATTIC. ALLOW FOR FLEXIBLE DUCT CONNECTION FROM DRYER DUCTING TO DRYER TERMINATION.
- PROVIDE NEW TRIM FOR INTEGRAL KITCHEN SINK. EXTEND AND MODIFY EXISTING DOMESTIC WATER PIPING AS REQUIRED TO SUIT NEW LOCATION. PLUMBING PIPING SHALL RUN CONCEALED WITHIN WALL AND ONLY PENETRATE DIRECTLY BELOW NEW SINK WITH NEW CHROME PLATED VALVE STOPS WITH VALVE WHEEL. SANITARY PIPING SHALL DROP WITHIN MILLWORK AFTER CONNECTION TO GREASE INTERCEPTOR TO CRAWLSPACE AND CONNECT TO EXISTING. EXTEND AND MODIFY VENTING AS REQUIRED.

- PROVIDE DOMESTIC WATER AND SANITARY ROUGH IN FOR DISHWASHER AND CONNECT TO PREVIOUSLY DEMOLISHED DISHWASHER PIPING. CONNECT TO SINK DRAIN WITH CONNECTED DISHWASHER CONNECTION. CONTRACTOR TO ENSURE PIPING IS INSTALLED NEATLY WITHIN OPEN CABINETS.
- NEW RANGE HOOD ABOVE ELECTRIC STOVE (PROVIDED BY OTHERS). PROVIDE DUCT CONNECTION FOR RANGE HOOD OPERATION. DUCTING SHALL RUN TIGHT TO WALL AND EXIT THROUGH ROOF. HOOD SHALL BE PREMANUFACTURED PAINTED STEEL, SUITABLE FOR INSTALLATION ON A PITCHED SHINGLED ROOF. COMPLETE WITH BACKDRAFT DAMPER AND BIRD SCREEN. COORDINATE HOOD INSTALLATION WITH GENERAL CONTRACTOR. INSULATE RANGE HOOD EXHAUST DUCTING FOR ENTIRE LENGTH WITHIN ATTIC.
- INSTALL EXISTING HUMIDISTAT ON WALL. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED. COORDINATE ANY REQUIREMENTS WITH ELECTRICAL.
- INSTALL EXISTING CO MONITOR ON WALL. INSTALL MONITOR IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS AND CODE REQUIREMENTS. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR AND ENSURE ANY REQUIRED INTERLOCKS ARE FUNCTIONAL.
- PROVIDE NEW GRILLE MOUNTED WITHIN CABINET TOEPLATE. CONNECT TO EXISTING DUCT. MODIFY AND EXTEND AS REQUIRED TO RUN WITHIN TOESPACE OF CABINET TO GRILLE.
- REINSTALL ALL SUPPLY AND RETURN GRILLES AS REQUIRED AFTER CONSTRUCTION HAS BEEN COMPLETED. TYPICAL ALL.
- PROVIDE NEW HANDS FREE ELECTRONIC FAUCET FOR EACH LAVATORY. PROVIDE NEW CHROME PLATED COPPER SUPPLY PIPING FROM VALVE STOP TO NEW MIXING VALVE AND TO FAUCET. LOCATE MIXING VALVE AND FAUCET CONTROLLER NEATLY BELOW LAVATORY. TIGHT TO WALL, OUT OF VIEW. LOOSE EQUIPMENT OR WIRING IS NOT ACCEPTABLE.
- PROVIDE NEW GREASE INTERCEPTOR BELOW KITCHEN SINK. INSTALL AS PER MANUFACTURERS GUIDELINES AND ENSURE CLEARANCE IS MAINTAINED FOR ACCESS TO COVER.

**MECHANICAL FIXTURE BASIS OF DESIGN:**

SK-1: (Trim Only) T&S Brass B-0133-B, chrome plated, wall mount, pre-rinse unit, 8" wall mount mixing faucet with lever handles, 1.15 gpm spray valve, 44" flexible stainless steel hose. Chrome plated drainage piping.  
 GI-1: Zum GT2700-10, 10 GPM/20 lbs grease capacity, corrosion-resistant coated fabricated steel with no-hub connections, flow diffusing baffle, integral trap, vented inlet flow control device, gas/water tight cover, certified to ASME A 112.14.3 (Type C) and CSA B481.1 standards.  
 LAV-1: (Faucet Only) Delta 591T1220 hands free, battery operated faucet c/w Delta R307MIXLF thermostatic mixing valve. Chrome plated, 4" on center mounting, surface mount control box, 5 Year limited warranty.  
 WM-1: Oley Quadro, PVC enclosure, DCW, DHW, 2" drain knockout, backflow preventer, shutoff valves with water hammer arrestors on water connections.

**DIFFUSER & GRILLES SCHEDULE**

MARK	MODEL	NOTES
S 1	20x4LBP15AL66500F/D	1.2

- EH PRICE LINEAR BAR GRILLE, NARROW SPACING, STREAMLINED BLADES.
- SUITABLE FOR INSTALLATION IN CABINET TOE PLATE.

**PLUMBING FIXTURE PIPE SIZE SCHEDULE**

MARK	DCW	DHW		SANITARY		VENT			
		1/2"	3/4"	1/2"	3/4"				
DW	1	0"	0 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
LAV	1	1/2"	13 mm	1/2"	13 mm	1 1/4"	32 mm	1 1/4"	32 mm
SK	1	1/2"	13 mm	1/2"	13 mm	1 1/2"	38 mm	1 1/4"	32 mm
WM	1	1/2"	13 mm	1/2"	13 mm	2"	51 mm	1 1/2"	38 mm

\* FOLLOW PIPE SIZES GIVEN IN ABOVE CHART UNLESS DRAWING SHOWS DIFFERENTLY.

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 NO. DATE REVISION / ISSUANCE  
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Project: BID OPPORTUNITY 200-2020  
**WINNIPEG FPS FIRE STATION #13**  
**INTERIOR RENOVATIONS**  
 799 LILAC STREET

Sheet Title

**FLOOR PLANS - MECHANICAL**

Project No. 19089A

Sheet

Date

20-06-09

**M2.1**

**GENERAL ELECTRICAL NOTES**

- A. THE GENERAL NOTES AS DESCRIBED HEREIN, APPLY TO ALL DRAWINGS IN THIS PACKAGE WHERE APPLICABLE.
- B. PENETRATIONS IN WALLS OR SEPARATIONS, REQUIRING PROTECTED OPENINGS SHALL BE FIRESTOPPED WITH AN APPROVED MATERIAL. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PRODUCT REQUIREMENTS.
- C. EXPOSED WIRING SHALL NOT BE PERMITTED. WIRING SHALL BE RECESSED IN WALL, OR WHERE WALLS ARE NOT ACCESSIBLE DUE TO WALL CONSTRUCTION (CONCRETE BLOCK, CONCRETE, BRICK, ETC), PROVIDE CONDUIT AS REQUIRED TO CONCEAL SAME.
- D. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS, INCLUDING MILLWORK DETAILS AND SHOP DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICE LOCATIONS, METHOD OF INSTALLATION & MOUNTING HEIGHTS. ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
- E. EQUIPMENT SHUTDOWN AND THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED IN ADVANCE WITH THE BUILDING END USER AND SHALL BE KEPT TO A MINIMUM.
- F. UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE.
- G. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE), BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING AND VOLTAGE DROP REQUIREMENTS, UNLESS INDICATED OTHERWISE.
- H. MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE.
- I. EMPTY CONDUIT SHALL BE C/W PULL WIRE AND PLASTIC BUSHINGS.
- J. ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE METAL.
- K. ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES.
- L. WHERE CONNECTED TO A 20A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.
- M. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, INCLUDING THE FOLLOWING, UNLESS NOTED OTHERWISE:  
 A. TELEPHONE OUTLETS, DATA OUTLETS, FIRE ALARM DEVICES SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.  
 N. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.
- O. ALL LIFE-SAFETY SYSTEMS SHALL BE MAINTAINED AND OPERABLE AT ALL TIMES DURING CONSTRUCTION.
- P. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE, THE TERM "DEMOLISH" SHALL INCLUDE THE COMPLETE REMOVAL OF THE EXISTING ITEM IDENTIFIED, C/W ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO LAST REMAINING DEVICE OR SOURCE. CIRCUITS FREED UP FROM DEMOLISHED ELECTRICAL, SHALL BECOME SPARE. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- Q. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE, THE TERM "REMOVE & REPLACE" SHALL INCLUDE THE COMPLETE REMOVAL & REPLACEMENT OF THE EXISTING ITEM IDENTIFIED IN ITS CURRENT LOCATION, WITH A NEW ITEM, UTILIZING THE EXISTING OUTLET BOX AND WIRING. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- R. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEY NOTES, UNLESS NOTED OTHERWISE, THE TERM "RELOCATE" SHALL INCLUDE THE COMPLETE RELOCATION OF THE EXISTING ITEM IDENTIFIED IN ITS CURRENT LOCATION ON THE DEMOLITION DRAWINGS, TO THE NEW LOCATION AS INDICATED ON THE RENOVATION DRAWINGS. INCLUDE ALL LABOUR AND MATERIALS TO REROUTE/EXTEND/REFEED THE EXISTING CIRCUITRY AS REQUIRED TO ACCOMMODATE THE RELOCATION. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS.
- S. SITE CONFIRM ANY ELECTRICAL WITHIN AREAS OF RENOVATION REQUIRING RELOCATION TO ACCOMMODATE THE RENOVATION.
- T. PROVIDE WIRE AND CONDUIT AS REQUIRED FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- U. PROVIDE CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY COMMUNICATIONS/DATA SYSTEMS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- V. PROVIDE BLANK COVERPLATES OVER ALL EXISTING UNUSED OPENINGS.
- W. DRAWING RECORDS OF THE EXISTING FLOOR PLANS HAVE BEEN COMPILED FROM INFORMATION SUBMITTED BY THE OWNER AND FROM SITE OBSERVATIONS AS NOTED BY THE CONSULTANT. THE ACCURACY OF THESE DRAWING RECORDS IS LIMITED TO THE EXTENT OF KNOWN CONSTRUCTION INFORMATION.
- X. DEMOLISH ALL ELECTRICAL DEVICES IN WALLS, FLOORS OR CEILINGS TO BE DEMOLISHED. CONFIRM EXTENT OF DEMOLITION WITH ALL DISCIPLINE DRAWINGS. REROUTE/EXTEND/REFEED EXISTING ELECTRICAL AS REQUIRED TO MAINTAIN EXISTING SYSTEMS NOT INDICATED TO BE REMOVED.
- Y. REMOVE ANY UNUSED OR ABANDONED WIRING AND CONDUIT WITHIN RENOVATION AREA, INCLUDING BRANCH CIRCUIT WIRING, VOICE/DATA CABLING AND SYSTEMS CABLING TO SOURCE OF SUPPLY.
- Z. WHERE EXISTING WIRING AND CONDUIT ARE RE-USED, VERIFY EXISTING CONDITIONS. MODIFY AND SUPPLEMENT EXISTING FASTENING AND SUPPORT TO MEET CODE REQUIREMENTS.
- AA. CONTRACTOR SHALL CONFIRM ALL EXISTING SYSTEMS TO BE IN WORKING CONDITION PRIOR TO CARRYING OUT MODIFICATIONS. WHERE EXISTING SYSTEMS ARE NOT OPERABLE, NOTIFY THE CONSULTANT PRIOR TO CARRYING OUT WORK.
- BB. ALL NEW WIRING SHALL BE CONCEALED WHERE POSSIBLE. UTILIZE ACCESSIBLE CEILING SPACE TO RUN NEW WIRING AS REQUIRED AND FISH INTO WALLS/MILLWORK.
- CC. WHERE EXISTING WALLS ARE TO BE OPENED FOR INSTALLATION OF NEW WIRING, COORDINATE WITH GENERAL CONTRACTOR ROUTING OF SAME. ARRANGE AND PAY FOR ALL CUTTING/REPAIR/PATCHING AS REQUIRED.
- DD. RELOCATE EXISTING LIGHT SWITCHES AS REQUIRED TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
- EE. RISER DIAGRAMS ARE SCHEMATIC AND REPRESENTATIONAL ONLY. LOCATIONS AND QUANTITIES OF EQUIPMENT/DEVICES/LUMINAIRES SHALL BE COORDINATED WITH THE ELECTRICAL FLOOR PLANS.
- FF. WHERE REMOTE HEADS ARE INDICATED, PROVIDE ZONE SENSING AT THE ASSOCIATED BATTERY BANK TO PICK UP LIGHTING CIRCUITS WITHIN THAT AREA AS REQUIRED.
- GG. OUTLETS OR EQUIPMENT SHALL BE MOVED TO ANY POINT WITHIN A 10' RADIUS WHEN THE CONSULTANT REQUESTS RELOCATION BEFORE THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, WITHOUT ADDITIONAL COST.

**ELECTRICAL SYMBOL NOTES**

- FL01 A-12b  

- EX1/BU1 A-14  

- A-16  

- H-9g  

- LPN-102  

- (TYP)  

- THE LIGHTING FIXTURE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS. THE CIRCUIT DESIGNATION IS INDICATED BY LETTERS AND NUMBERS SEPARATED BY DASH. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.  
 EXAMPLE 1: LIGHTING FIXTURE TYPE "FL01" IS CONNECTED TO PANEL A, CIRCUIT 12 AND CONTROLLED BY SWITCH "b".
- EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE SIGNAGE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS PRECEDING THE "T". THE ASSOCIATED BATTERY BANK IS INDICATED BY UPPER CASE LETTERS AND NUMBERS FOLLOWING THE "Y". THE AC CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "EXT1" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO BATTERY BANK "BU1" AND AC CIRCUIT 14 FROM PANEL A.
- DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO PANEL A, CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY A SWITCH.
- THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "g" TO CONTROL LIGHTING FIXTURES INDICATED BY "g".
- SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.
- PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
- KEYNOTE. SEE THE KEYED NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED. (TYP) INDICATES THAT THE NOTE IS TYPICAL OF THE APPLICATION.

**SPECIFIC CODE NOTES**

- FIRE PROTECTION REQUIREMENTS**
- A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED WITH AN APPROVED MATERIAL.
- CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE-STOPPED.
  - OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION.
  - OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES.
- B. LIGHT FIXTURES AND OTHER APPARATUS INSTALLED IN AN ACOUSTICAL CEILING GRID SHALL BE INDEPENDENTLY SUPPORTED.
- C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE ULC FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE ULC FIRE RESISTANCE DIRECTORY.

**ELECTRICAL DRAWINGS**

- SYMBOLS & ABBREVIATIONS**  
 E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS
- LIGHTING PLANS**  
 EL2.1 MAIN FLOOR - LIGHTING PLAN
- POWER PLANS**  
 EP2.1 MAIN FLOOR - POWER PLAN
- SCHEDULES**  
 EB.1 ELECTRICAL SCHEDULES



**ELECTRICAL ABBREVIATIONS LIST**

1P	1 POLE (2P, 3P, 4P, ETC.)	DET	DETAIL	HRV	HEAT RECOVERY VENTILATION	NEC	NATIONAL ELECTRICAL CODE	STD	STANDARD
A	AMPERE	DISC	DISCONNECT	HTG	HEATING	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SURF	SURFACE MOUNTED
AC	ABOVE COUNTER OR AIR CONDITIONER	DIST	DISTRIBUTION	HTR	HEATER	NTS	NOT IN CONTRACT NOT TO SCALE	SW	SWITCH
ADLG	ABOVE CEILING	DN	DOWN	HV	HIGH VOLTAGE	NC	NOT IN CONTRACT	TEL	TELEPHONE
ADO	AUTOMATIC DOOR OPENER	DR	DAMPEN	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	NTS	NOT TO SCALE	TEL/DATA	TELEPHONE/DATA
AF	AMP FRAME	DS	SAFETY DISCONNECT SWITCH	HWP	HYDRONIC WATER PUMP	PA	PUBLIC ADDRESS	T-STAT	THERMOSTAT
AF	ABOVE FINISHED FLOOR	DT	DOUBLE THROW	IC	INTERRUPTING CAPACITY	PF	POWER FACTOR	TV	TELEVISION
AFG	ABOVE FINISHED GRADE	DW	DISHWASHER	IG	ISOLATED GROUND	PH	PHASE	TYP	TYPICAL
AFI	ARC FAULT CIRCUIT INTERRUPTER	DWG	DRAWING	INT	INTERCOM	PNL	PANEL	UC	UNDER COUNTER
AHU	AIR HANDLING UNIT	EC	ELECTRICAL CONTRACTOR	PLC	INTELLIGENT PARKING LOT CONTROLLER	PP	POWER POLE	USB	USB RECEPTACLE
AL	ALUMINUM	ELEC	ELECTRIC ELECTRICAL	PR	PRINTER	PT	POTENTIAL TRANSFORMER	V	VOLT
ALT	ALTERNATE	ELEV	ELEVATOR	IR	INFRARED	PT	POLYVINYL CHLORIDE (CONDUIT)	VSR	VOLTAGE SENSING RELAY
AMP	AMPERE	EM	EMERGENCY	IW	INTERLOCK WITH	PWR	POWER	VA	VOLT-AMPERES
AMPL	AMPLIFIER	EP	ELECTRIC PNEUMATIC	J-BOX	JUNCTION BOX	QP	QUADPLEX RECEPTACLE	VD	VARIABLE FREQUENCY DRIVE
ANNUN	ANNUNCIATOR	EQUIP	EQUIPMENT	KV	KILOVOLT	QUAN	QUANTITY	VERT	VERTICAL
APPROX	APPROXIMATELY	EW	ELECTRIC WATER COOLER	KVA	KILOVOLT-AMPERE	R	RELOCATED	VFD	VARIABLE FREQUENCY DRIVE
ARCH	ARCHITECT, ARCHITECTURAL	EXST	EXISTING	KW	KILOWATT	RCPT	RECEPTACLE	W	WATT
AUX	AUXILIARY	EXH	EXHAUST	KWH	KILOWATT HOUR	REQD	REQUIRED	WI	WITH
AV	AUDIO VISUAL	FLR	FLOOR	LOC	LOCATE OR LOCATION	RM	ROOM	WG	WIRE GUARD
AWG	AMERICAN WIRE GAUGE	FR	REFRIGERATOR	LT	LIGHT	RMC	RIGID METAL CONDUIT	W/O	WITHOUT
BATT	BATTERY	FZ	FREEZER	LTV	LIGHTING	SC	SURFACE CONDUIT	WS	WASHER
BD	BOARD	GC	GENERAL CONTRACTOR	LV	LOW VOLTAGE	SEC	SECONDARY	XFRM	TRANSFORMER
BLDG	BUILDING	GEN	GENERATOR	MAX	MAXIMUM	SHT	SHEET		
BMS	BUILDING MANAGEMENT SYSTEM	GFI	GROUND FAULT CIRCUIT INTERRUPTER	MC	MECHANICAL CONTRACTOR	SM	SIMILAR	@	ANGLE
C	CONDUIT	CAT	CATALOG	MCB	MICROWAVE	SN	SOLID NEUTRAL	Δ	AT
CAB	CABINET	CATV	CABLE TELEVISION	MCP	MAIN DISTRIBUTION PANEL	SPEC	SPECIFICATION	Δ	DELTA
CAT	CATALOG	CB	CIRCUIT BREAKER	MEC	MECHANICAL CONTRACTOR	SPKR	SPEAKER	'	INCHES
CATV	CABLE TELEVISION	CCTV	CLOSED CIRCUIT TELEVISION	HRZ	HORIZONTAL	S/S	STOP/START PUSHBUTTONS	#	NUMBER
CB	CIRCUIT BREAKER	CCT	CIRCUIT	HT	HEIGHT	STA	STATION	Ø	PHASE
CB	CIRCUIT BREAKER	CKTP	COOKTOP	MC	MICROPHONE			CL	CENTER LINE
CCTV	CLOSED CIRCUIT TELEVISION	CLG	CEILING	MIN	MINIMUM			PL	PLATE
CCT	CIRCUIT	COMB	COMBINATION CONSTRUCTION	MISC	MISCELLANEOUS				
CKTP	COOKTOP	CONST	CONSTRUCTION	MLO	MAN LUS ONLY				
CLG	CEILING	CONT	CONTINUATION OR CONTINUOUS	MW	COORDINATED IN MILLWORK				
COMB	COMBINATION CONSTRUCTION	CONTR	CONTRACTOR						
CONST	CONSTRUCTION	CPR	CORNER						
CONT	CONTINUATION OR CONTINUOUS	CTR	CENTER						
CONTR	CONTRACTOR	CU	COPPER						
CPR	CORNER	CW	COMPLETE WITH						
CTR	CENTER								
CU	COPPER								
CW	COMPLETE WITH								

**ELECTRICAL SYMBOL LEGEND**

HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION
		DIRECT POWER CONNECTION			<b>LIGHTING</b>
AS NOTED		SURFACE LIGHT			LIGHT SYMBOL INDICATES EXISTING
AS NOTED		SURFACE LIGHT			DASHED SYMBOL INDICATES REMOVED
		EMERGENCY LIGHT - REMOTE HEAD			KEYED NOTE(SEE SCHEDULE)
12"		EXIT LIGHT			DEMOLITION NOTE(SEE SCHEDULE)
					REVISION TAG
					<b>LIGHTING CONTROL</b>
47"		SINGLE POLE SW			<b>COMMUNICATION</b>
47"		OCCUPANCY SENSOR(TYPE DENOTED)	18"		COMMUNICATIONS OUTLET(TYPE DENOTED)
			48"***		WALL INTERCOM OUTLET
			18"		TELEPHONE
18"		DUPLEX RECEPT			MULTIPLE SERVICE FLOOR OUTLET (TYPE DENOTED)
		SPECIAL RECEPT(TYPE DENOTED)	84"		SPEAKER
		RECEPT C/W NEMA 5-20R CONFIG	18"		INTERCOM STATION
		RECEPT MTD IN FLOOR(DUPLEX SHOWN)	59"		FIREFIGHTER OR EMERGENCY TELEPHONE
6"*****		RECEPT MTD ABOVE COUNTER(DUPLEX SHOWN)	47"		VOLUME CONTROL
					<b>EQUIPMENT</b>
AS NOTED		JUNCTION BOX			<b>FIRE ALARM</b>
			8"****		SMOKE DETECTOR(TYPE & CO DENOTED)

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 1200mm MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 1200mm. DEVICES MAY BE INSTALLED IN CONCRETE/MASONRY UNITS WITH THE TOP OF THE DEVICE AT 1200mm. \* DISTANCE ABOVE TOP OF DOOR FRAME \*\*DISTANCE TO TOP OF EQUIPMENT OR DEVICE \*\*\* DISTANCE TO HIGHEST OPERABLE PART OF EQUIPMENT \*\*\*\* DISTANCE BELOW CEILING \*\*\*\*\*DISTANCE TO BOTTOM OF DEVICE \*\*\*\*\* DISTANCE ABOVE COUNTER\*

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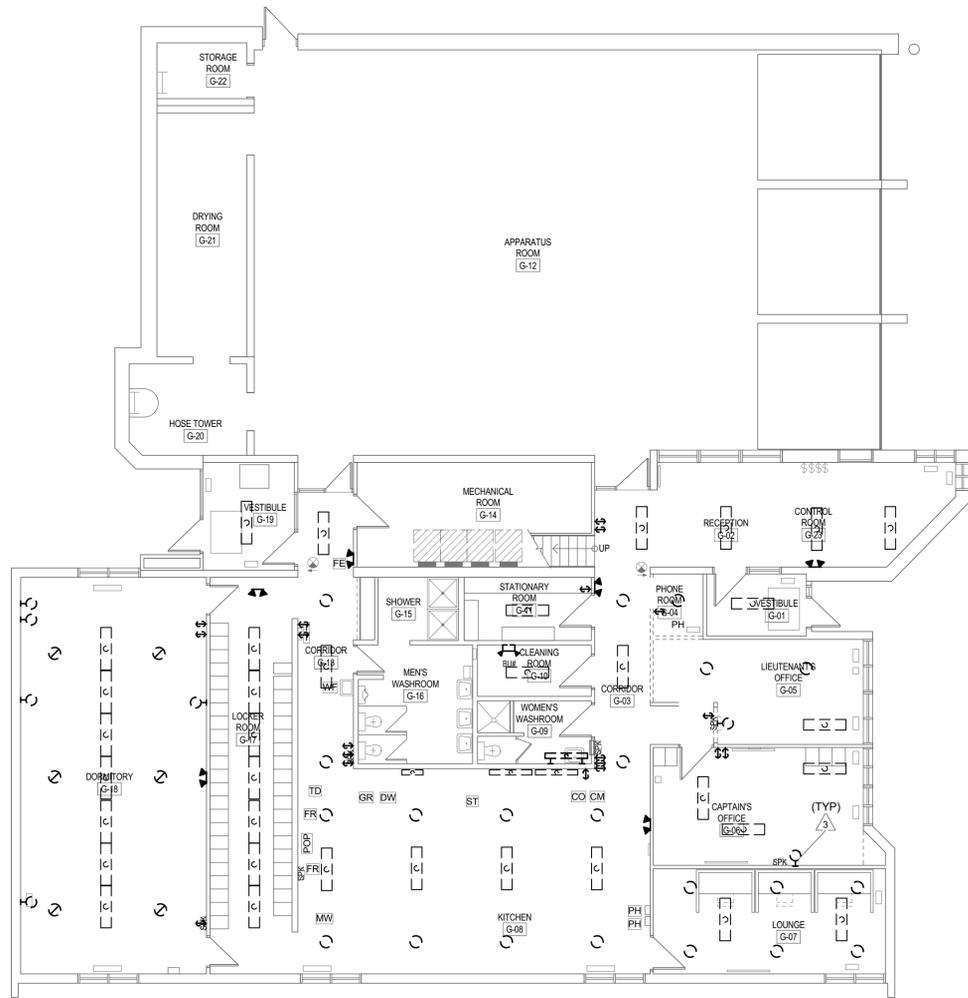


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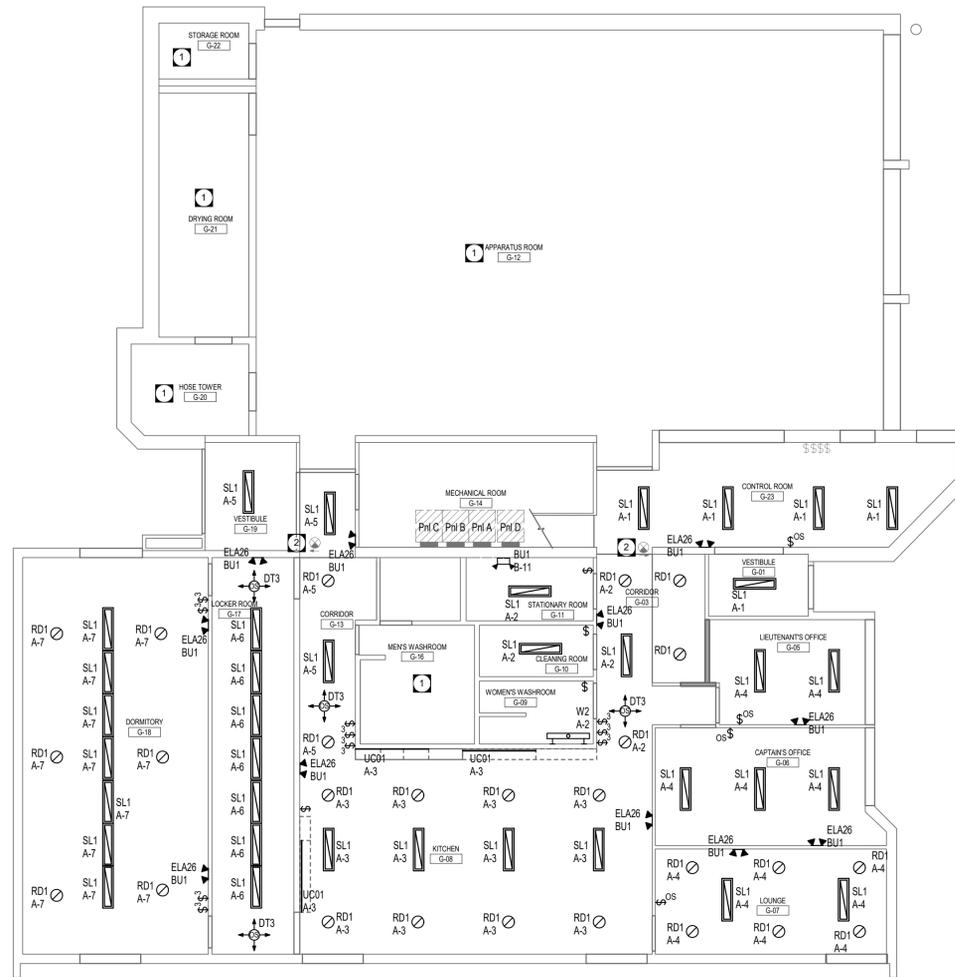
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 799 LILAC STREET

Sheet Title  
**ELECTRICAL SYMBOLS AND ABBREVIATIONS**

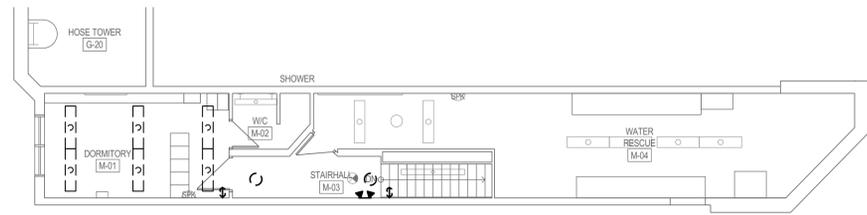
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**E0.1**



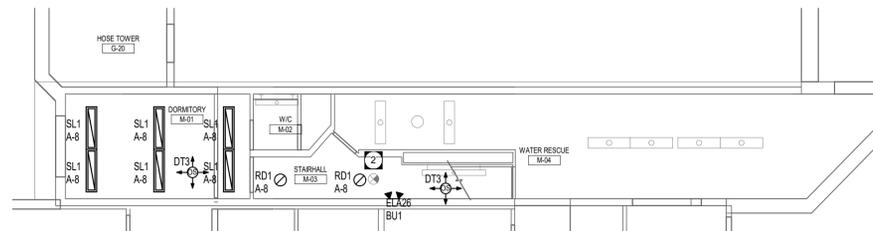
1 MAIN FLOOR PLAN - LIGHTING DEMOLITION  
EL2.1 SCALE: 1/8" = 1'-0"



2 MAIN FLOOR PLAN - LIGHTING  
EL2.1 SCALE: 1/8" = 1'-0"



3 MEZZANINE FLOOR PLAN - LIGHTING DEMOLITION  
EL2.1 SCALE: 1/8" = 1'-0"



4 MEZZANINE FLOOR PLAN - LIGHTING  
EL2.1 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- A. WHERE NEW TOGGLE SWITCHES, OR DIMMER CONTROLS ARE ADJACENT EACH OTHER, PROVIDE GANGED SWITCHING TO ACCOMMODATE TOTAL NUMBER OF SWITCHES, UNLESS NOTED OTHERWISE.
- B. ALL MOUNTING HEIGHTS FOR LUMINAIRES ARE TO THE BOTTOM OF THE LUMINAIRE UNLESS NOTED OTHERWISE.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR OR INTERIOR LUMINAIRES.
- D. UTILIZE SPARE/FREED UP CIRCUITS FROM DEMOLITION AS REQUIRED TO ACCOMMODATE THE ADDITIONAL CIRCUITING REQUIREMENTS IN THE RENOVATION.
- E. WHERE REMOTE HEADS ARE INDICATED, PROVIDE ZONE SENSING AT THE ASSOCIATED BATTERY BANK TO PICK UP LIGHTING CIRCUITS WITHIN THAT AREA AS REQUIRED.

**KEY NOTES**

- 1 EXISTING LIGHT FIXTURES IN THIS AREA TO REMAIN.
- 2 EXISTING EXIT SIGNS TO BE CONNECTED TO NEW BATTERY BANK BU1.
- 3 DEMOLISH ALL WALL SCONCES.



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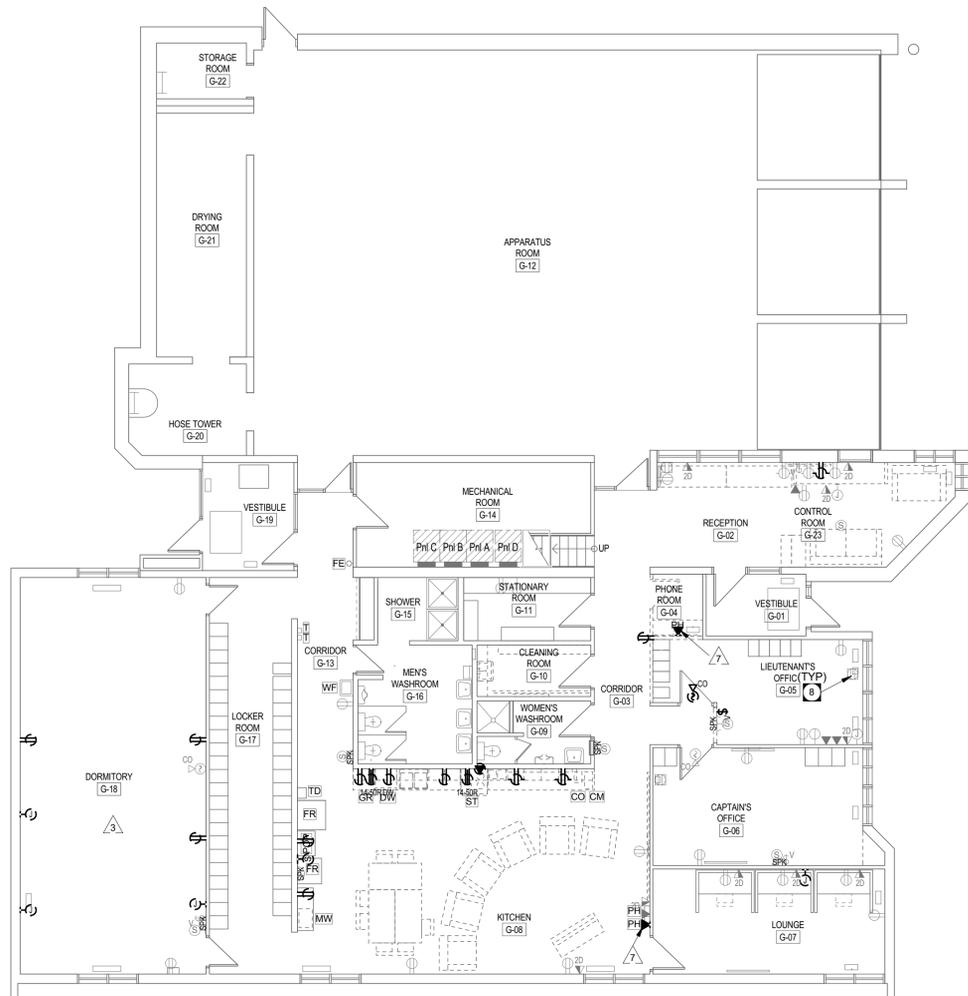
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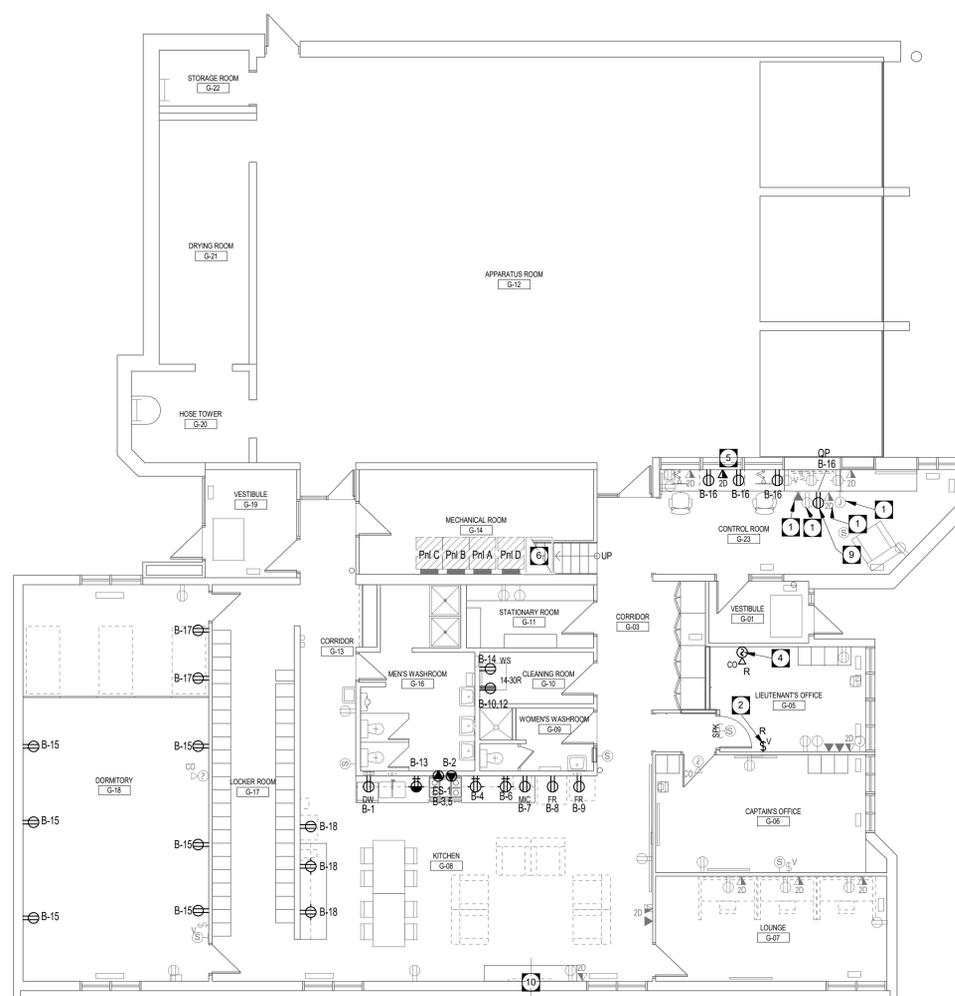
Sheet Title

**MAIN FLOOR - LIGHTING PLAN**

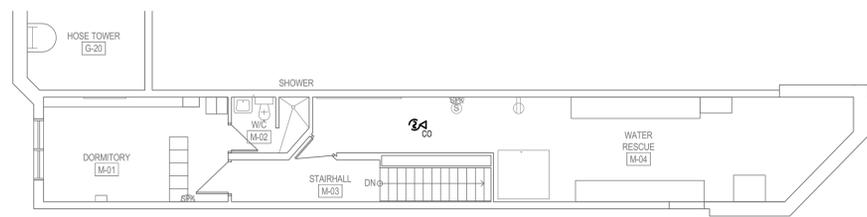
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Date	20-06-09



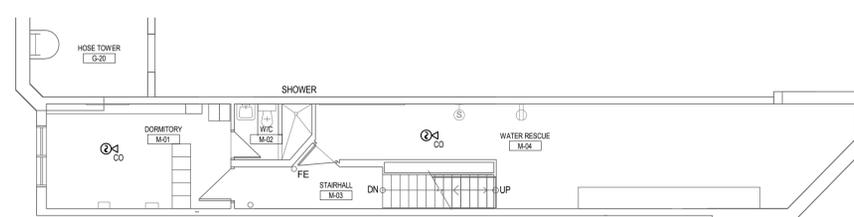
1 MAIN FLOOR PLAN - POWER DEMOLITION  
EP2.1 SCALE: 1/8" = 1'-0"



2 MAIN FLOOR PLAN - POWER & SYSTEMS  
EP2.1 SCALE: 1/8" = 1'-0"



3 MEZZANINE FLOOR PLAN - POWER DEMOLITION  
EP2.1 SCALE: 1/8" = 1'-0"



4 MEZZANINE FLOOR PLAN - POWER & SYSTEMS  
EP2.1 SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. PROVIDE NEW TYPEWRITTEN PANEL DIRECTORIES TO ACCOMMODATE UPDATED CIRCUITING. NEW BREAKERS IN DISTRIBUTION PANELS SHALL BE LABELLED USING LAMACODS.
- B. WHERE BRANCH CIRCUIT BREAKERS ARE REMOVED, PROVIDE FILLER PLATES FOR BREAKER SPACES.
- C. CIRCUIT BREAKERS SHALL MATCH EXISTING. CONFIRM SHORT CIRCUIT RATING AND TYPE ON SITE, PRIOR TO FINALIZING PRICING.
- D. UTILIZE SPARE/FREED UP CIRCUITS FROM DEMOLITION AS REQUIRED TO ACCOMMODATE THE ADDITIONAL CIRCUITING REQUIREMENTS IN THE RENOVATION.
- E. FOR ALL STRUCTURED WIRING OUTLETS, PROVIDE NUMBER OF JACKS AS INDICATED AND THE CORRESPONDING NUMBER OF CABLES IN CONDUIT STUB INTO CEILING SPACE. THEN HOME RUN TO THE DATA RACK. TERMINATE CABLES IN PATCH PANELS AND IN JACKS AT OUTLET LOCATIONS.

KEY NOTES

- 1 EXISTING DEVICE LOCATED BELOW DESK.
- 2 RELOCATE EXISTING VOLUME CONTROL FROM DEMOLISHED WALL TO THIS POSITION.
- 3 EXISTING RECEPTACLES AND JUNCTION BOXES AT 16" AFFL IN THIS SPACE TO BE DEMOLISHED. NEW RECEPTACLES TO BE PROVIDED AT 18" AFFL.
- 4 RELOCATE EXISTING CO ALARM FROM DEMOLISHED WALL TO THIS POSITION.
- 5 HOME RUN DATA CABLES TO EXISTING DATA RACK LOCATED IN MECHANICAL ROOM G-14.
- 6 EXISTING DATA CABINET.
- 7 EXISTING WALL TELEPHONE TO BE DEMOLISHED.
- 8 REMOVE AND REINSTALL FLOOR OUTLETS AS REQUIRED TO ACCOMMODATE RENOVATION WORKS.
- 9 PROVIDE NEW QUAD RECEPTACLE LOCATED BELOW DESK.
- 10 PROVIDE WIREMOLD FOR HDMI CABLES FROM TV CABLE BOX TO WALL MOUNTED TV. COORDINATE LENGTH WITH ARCHITECTURAL ELEVATIONS.



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MAIN FLOOR - POWER PLAN

Project No. 19089A

Date 20-06-09

Sheet  
**EP2.1**

LIGHTING FIXTURE SCHEDULE									
TYPE	Description	LENS-LOUVER	MOUNTING	LAMP	BALLAST/ DRIVER	VOLT	WATT	MFR	CATALOG SERIES
ELA26	DOUBLE HEAD EMERGENCY LIGHTING DECORATIVE REMOTE, DIE CAST ALUMINUM CONSTRUCTION, WHITE	---	WALL	2 x 6W LED 50000HR 540 LUMENS	---	12 V	12 W	LUMACELL	DR
RD1	114mm (6") DIAMETER DIMMABLE LED DOWNLIGHT WITH REMOTE PHOSHOR LENS ASSEMBLY, 50" CUTOFF.	PHOSPHOR LENS ASSEMBLY AND COMFORT CLEAR DIFFUSE REFLECTOR	RECESSED	LED 2000lm 3500K 60000 HR	0-10V DIMMING LED DRIVER	120 V	24 W	LIGHTOLIER	LDN6
SL1	305mm x 1220mm (1 Foot X 4 Foot) LED	K12 ACRYLIC 1/8in THICK	SURFACE MOUNTED ON GWB	LED 4000lm 80+CRI 3500K 60000HR	0-10V DIMMING LED DRIVER	120 V	40 W	LITHONIA	BTL
UC01	UNDERCABINET TAPE LIGHT MOUNTED IN ALUMINUM EXTRUSION	FROSTED	SURFACE	LED	0-10VDC 10% DIMMABLE LED DRIVER	120 V		MAGICLITE	LP-5060
W2	LINEAR WALL MOUNTED VANITY	FROSTED	SURFACE WALL	LED 1500lm 3500K 60000 HR	0-10V DIMMING LED DRIVER	120 V	56 W	FINELITE	HP-2

**GENERAL NOTES:**  
A. EMERGENCY LIGHTING MODEL NUMBERS ARE BASED ON LUMACELL PRODUCT LINE. EMERGLITE, BEGHELLI, AND AMLITE MEETING PERFORMANCE SPECIFICATIONS ARE APPROVED SUBSTITUTIONS.  
B. WHERE "APPROVED EQUAL" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.

LIGHTING CONTROL DEVICE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURE R	CATALOG No.	WATTS	VOLTS	NOTES
DT3	DUAL TECHNOLOGY PASSIVE INFRARED AND ULTRASONIC OCCUPANCY SENSOR, 360° COVERAGE, MINIMUM 1000 SQUARE FEET.	nLIGHT	NCM PDT 10 RJB	0 W	0 V	1
OS	COMBINATION ULTRASONIC OCCUPANCY SENSOR/SWITCH, WALL MOUNTED, LOW VOLTAGE, WITH ON-OFF PUSHBUTTON AND DIMMING.	nLIGHT	nWSX PDT LV DX WH	0 W	0 V	1

**SCHEDULE NOTES:**  
1. PROVIDE 24 VDC POWER PACK WITH INPUT TO MATCH LIGHTING FIXTURE VOLTAGE, SWITCHING CONTACT RATED FOR 20A BALLAST.

PANELBOARD: A												
LOCATION: MECHANICAL ROOM G-14				VOLTAGE: 120/240 Single V, 1 ...								
MOUNTING: SURFACE NEMA 1				A.I.C. RATING: 10,000 AMPS SYMMETRICAL								
MAIN DEVICE: 150 A MAIN CB				SPECIAL:								
BUS AMPS: 200 AMPS												
LOAD DESCRIPTION	BKR	P	CCT#	A	B	CCT#	P	BKR	LOAD DESCRIPTION	BKR	P	CCT#
LITES CONTROL ROOM G-23	15 A	1	A-1	0.2	0.2	A-2	1	15 A	LITES CORRIDOR G-03			
LITES KITCHEN G-08	15 A	1	A-3		0.6	0.4	A-4	1	15 A	LITES LIEUTENANTS OFFICE G-05		
LITES CORRIDOR G-13	15 A	1	A-5	0.2	0.3	A-6	1	15 A	LITES LOCKER ROOM G-17			
LITES DORMITORY G-18	15 A	1	A-7		0.4	0.3	A-8	1	15 A	LITES		
			A-9				A-10					
			A-11				A-12					
			A-13				A-14					
			A-15				A-16					
			A-17				A-18					
			A-19				A-20					
			A-21				A-22					
			A-23				A-24					
			A-25				A-26					
			A-27				A-28					
			A-29				A-30					
			A-31				A-32					
			A-33				A-34					
			A-35				A-36					
			A-37				A-38					
			A-39				A-40					
			A-41				A-42					
TOTAL LOAD:				1 kVA	2 kVA							
TOTAL AMPS:				7 A	15 A							
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS								
LITES	2427 VA	100.00%	2427 VA	CONNECTED LOAD: 2427 VA								
				ESTIMATED DEMAND: 2427 VA								
				CONNECTED CURRENT: 10 A								
				EST. DEMAND CURRENT: 10 A								

NOTES: EXISTING 120/240V 1PH 3W 42CCT PANEL.

PANELBOARD: B												
LOCATION: MECHANICAL ROOM G-14				VOLTAGE: 120/240 Single V, 1 ...								
MOUNTING: SURFACE NEMA 1				A.I.C. RATING: 10,000 AMPS SYMMETRICAL								
MAIN DEVICE: 200 A MAIN CB				SPECIAL:								
BUS AMPS: 200 AMPS												
LOAD DESCRIPTION	BKR	P	CCT#	A	B	CCT#	P	BKR	LOAD DESCRIPTION	BKR	P	CCT#
RCPT KITCHEN G-08	15 A	1	B-1	1.2	0.0	B-2	1	15 A	SPEC MENS WASHROOM G-16			
ELECTRIC STOVE ES-1	90 A	2	B-3		0.0	0.6	B-4	1	20 A	RCPT KITCHEN G-08		
			B-5	0.0	0.6	B-6	1	20 A	RCPT KITCHEN G-08			
RCPT KITCHEN G-08	15 A	1	B-7		1.2	1.2	B-8	1	15 A	RCPT KITCHEN G-08		
RCPT KITCHEN G-08	15 A	1	B-9	1.2	2.9	B-10						
BU1	15 A	1	B-11		0.1	2.9	B-12	2	30 A	DRYER RECEPTACLE		
RCPT KITCHEN G-08	20 A	1	B-13	0.6	1.2	B-14	1	15 A	RCPT CLEANING ROOM G-10			
RCPT DORMITORY G-18	15 A	1	B-15		0.7	0.5	B-16	1	15 A	RCPT CONTROL ROOM G-23		
RCPT DORMITORY G-18	15 A	1	B-17	0.2	0.4	B-18	1	15 A	RCPT KITCHEN G-08			
			B-19			B-20						
			B-21			B-22						
			B-23			B-24						
			B-25			B-26						
			B-27			B-28						
			B-29			B-30						
			B-31			B-32						
			B-33			B-34						
			B-35			B-36						
			B-37			B-38						
			B-39			B-40						
			B-41			B-42						
TOTAL LOAD:				8 kVA	7 kVA							
TOTAL AMPS:				69 A	60 A							
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS								
RCPT	15360 VA	26.00%	3994 VA	CONNECTED LOAD: 15499 VA								
LITES	145 VA	100.00%	145 VA	ESTIMATED DEMAND: 4132 VA								
SPEC	0 VA	0.00%	0 VA	CONNECTED CURRENT: 65 A								
				EST. DEMAND CURRENT: 17 A								

NOTES: EXISTING 120/240V 1PH 3W 42CCT PANEL.

EMERGENCY BATTERY BANK SCHEDULE														
ID	DESCRIPTION	BATTERY SIZE	HEADS	NUMBER OF HEADS	WATTS PER HEAD	VSR	AC VOLT	DC VOLT	SUPPLIED FROM	TOTAL DC LOAD	TOTAL DC LOAD WITH SAFETY FACTOR	MAX WATT 30 MIN	MFR	MODEL
BU1	BATTERY BANK, STEEL CABINET COMPLETE WITH AC/DC TERMINAL BLOCKS.	360 W	YES	2	6	YES	120 V	12 V	B	157 W	197 W	360 W	LUMACELL	RG12S360

**GENERAL NOTES:**  
A. EMERGENCY LIGHTING MODEL NUMBERS ARE BASED ON LUMACELL PRODUCT LINE. EMERGLITE, BEGHELLI, AND AMLITE MEETING PERFORMANCE SPECIFICATIONS ARE APPROVED EQUAL.  
B. WHERE "APPROVED EQUAL" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.  
C. BATTERY BANK SHALL BE CW CORD AND 5-19P PLUG. PROVIDE 5-15R/6-20R RECEPTACLE TO MATCH CIRCUIT RATING.



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**ELECTRICAL SCHEDULES**

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Date 20-06-09  
Sheet **E6.1**