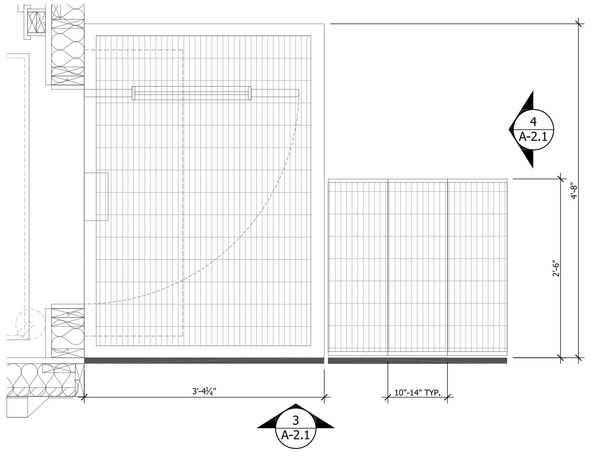
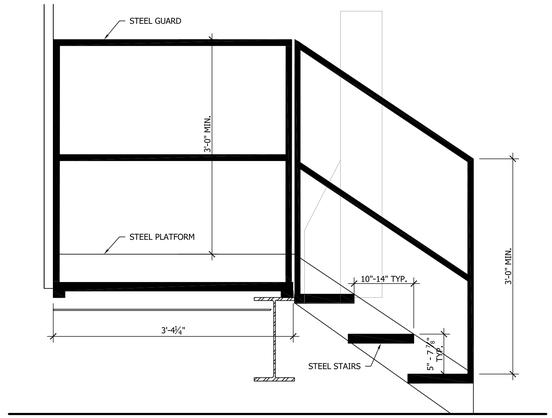


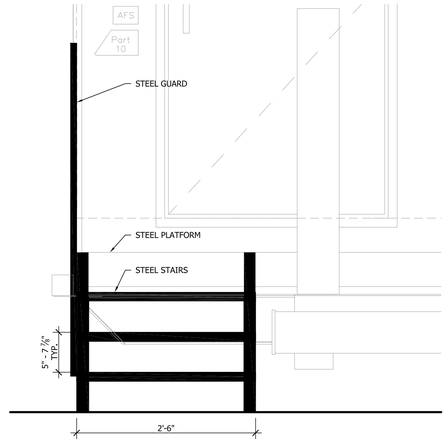
2 A-2.1 REVISED STEEL PLATFORM W/ STAIR PLAN DETAIL

SCALE: 1" = 1'-0"



3 A-2.1 REVISED STEEL PLATFORM W/ STAIR SIDE ELEVATION

SCALE: 1" = 1'-0"

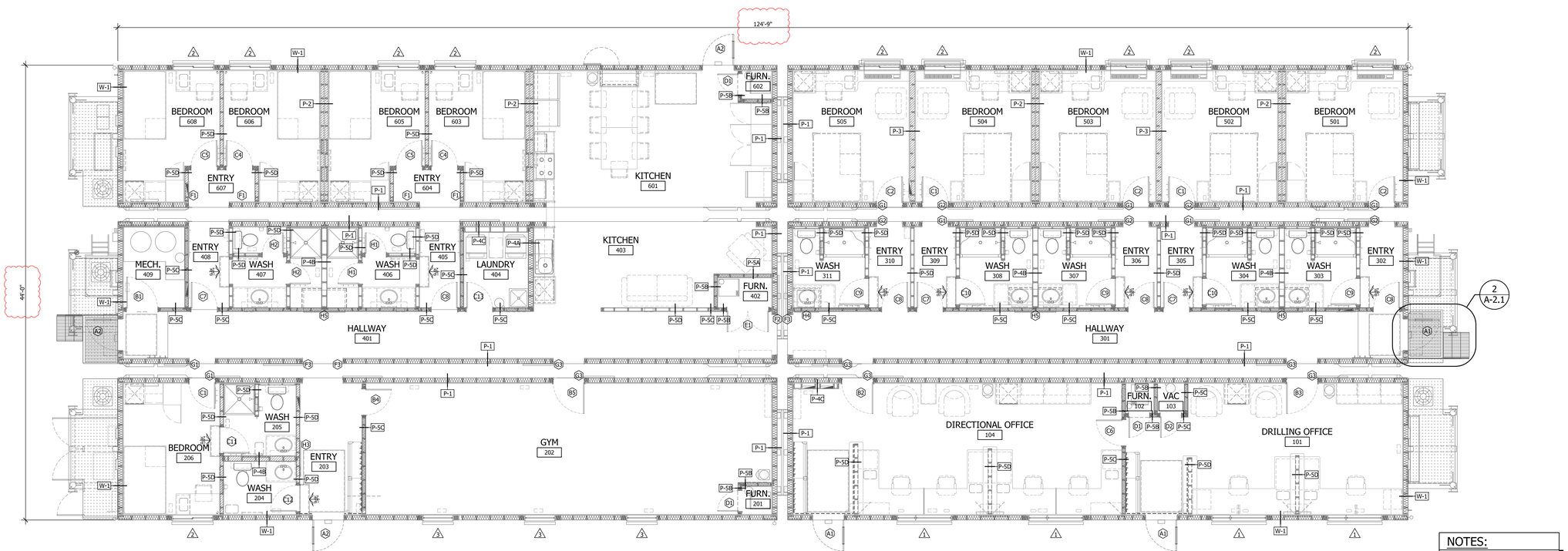


4 A-2.1 REVISED STEEL PLATFORM W/ STAIR FRONT ELEVATION

SCALE: 1" = 1'-0"

STAIR NOTES:

1. HANDRAILS:
   - ALONG ENTIRE FLIGHT OF STAIRS @ 3'-0" ABOVE STAIR NOSINGS
   - TO BE CONTINUOUSLY GRASPABLE THROUGHOUT FLIGHT
   - PROVIDE BLOCKING IN WALLS AS REQUIRED
   - END HANDRAIL NOT TO OBSTRUCT PEDESTRIAN TRAVEL OR CREATE A HAZARD, TYPICAL AT ALL ENDS
   - NOT REQUIRED ON INTERIOR STAIRS WITH 2 OR LESS RISERS
   - NOT REQUIRED ON EXTERIOR STAIRS WITH 3 OR LESS RISERS
   - SHALL SUPPORT A MIN. CONCENTRATED LOAD OF 0.9kN
   - CLEARANCE BETWEEN HANDRAIL & SURFACE BEHIND IT:
     - MIN 50mm (2")
     - MIN. 60mm (2 3/8") WHEN SURFACE IS ROUGH OR ABRASIVE
2. REQUIRED GUARDS:
   - GUARDS REQUIRED AT AN OPEN EDGE OF A FLOOR WHERE THE DIFFERENCE IN FLOOR LEVELS IS < 600mm (24")
   - EXTERIOR REQUIRED GUARD MIN. HEIGHT = 900mm (3'-0") WHERE GROUND LEVEL BELOW WALKING SURFACE IS NOT MORE THAN 1,800mm (5'-11") BELOW IT
   - EXTERIOR REQUIRED GUARD MIN. HEIGHT = 1,070mm (3'-6") WHERE GROUND LEVEL BELOW WALKING SURFACE IS MORE THAN 1,800mm (5'-11") BELOW IT
   - MAX. OPENING BETWEEN PICKETS IN REQUIRED GUARD = (100mm) 4"
   - SHALL SUPPORT A MIN. SPECIFIED LOAD OF:
     - 0.5kN/m OR CONCENTRATED LOAD OF 1.0kN AT ANY POINT (HORIZONTALLY APPLIED AT THE MIN. REQUIRED HEIGHT OF THE GUARD)
     - 0.5kn APPLIED OVER A MAX. WIDTH OF 300mm x 300mm (HORIZONTALLY APPLIED ON ELEMENTS WITHIN THE GUARD)
     - 1.5kN/m (VERTICALLY APPLIED EVENLY TO THE TOP OF THE GUARD)
3. STAIR RISE: 5" MIN. - 7 7/8" MAX.
4. STAIR RUN: 10" MIN. - 14" MAX. (NOSING TO NOSING)
5. TREADS & RISERS SHALL HAVE UNIFORM RISE AND RUN
6. ALL STAIR HANDRAILS AND REQUIRED GUARDS TO CONFORM TO A.B.C. 2020 PART 9 REQUIREMENTS.



NOTES:

1. CONSTRUCTION NOTES, DOOR SCHEDULE & WINDOW SCHEDULE PROVIDED ON DWG A-0.1

1 A-2.1 MAIN FLOOR PLAN

SCALE: 3/16" = 1'-0"

BIG BEAR TECH LTD.
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REV. NO.	DESCRIPTION	DATE mm/dd/yyyy
1.	ISSUED FOR BUILDING PERMIT	09/15/2022
2.	REVISED BUILDING PERMIT	10/27/2022

ARCHITECTURAL CONSULTANTS - COMMERCIAL & RESIDENTIAL DESIGNERS - COMPUTER DRAFTING

PROJECT

ALTA-FAB

ALTA-FAB
84 CURRY DRIVE
YELLOWKNIFE, NT
X0E 0Y0

LEGAL ADDRESS

CLIENT

CVL ENGINEERS
MIKE OLESKIW
#101,18020 105 AVENUE N.W.,
EDMONTON, ALBERTA
T5S 2P1
PHONE: 780-982-8931

DRAWING

MAIN FLOOR PLAN

FILE	DRAWN
22-645	ADS
DATE	SCALE
OCT. 27, 2022	AS NOTED

DRAWING NO.

A-2.1 2

ARCHITECTURAL SPECIFICATIONS (1 OF 4):

COMPLIANCE:

1. CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE MOST CURRENT:
   - NATIONAL BUILDING CODE, AND/OR APPLICABLE PROVINCIAL BUILDING CODE
   - CANADIAN ELECTRICAL CODE (AS REQUIRED)
   - NATIONAL PLUMBING CODE (AS REQUIRED)
   - NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS (NECB) (AS REQUIRED)
   - ALL LOCAL, MUNICIPAL & PROVINCIAL BYLAWS
   - ARCHITECTURAL CONTROLS AND REGULATIONS
   - PROVINCIAL OCCUPATIONAL HEALTH & SAFETY ACT
2. IN CASE OF CONFLICT, SPECIFICATIONS (IF PRESENT) SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND SPECIFICATIONS.
3. THESE ARE GENERAL NOTES AND SPECIFICATIONS AND MUST BE APPLIED WHEN APPLICABLE.
4. THE GENERAL INTENT IS THAT THE RESPECTIVE TRADE CONTRACTORS SHALL SUPPLY AND INSTALL ALL MATERIAL REQUIRED TO COMPLETE THEIR PART OF THE WORK. ITEMS OBVIOUSLY REQUIRED TO SATISFY THE INTENT OF THESE DRAWINGS, WHETHER SHOWN OR NOT, SHALL BE INCLUDED.
5. ALL HARDWARE, APPLIANCES, FIXTURES, AND FINISHES TO BE APPROVED BY THE CLIENT / OWNER PRIOR TO INSTALLATION.
6. ALL WORK SHALL CONFORM TO THESE DRAWINGS AND TO THE SPECIFICATION CONTAINED HEREWITH, AND SHALL MEET THE ARCHITECT AND / OR DESIGN CONSULTANT, ENGINEER AND CLIENT / OWNER'S APPROVAL.
7. EACH TRADE SHALL PROVIDE A COMPLETE LIST OF MATERIALS ON REQUEST PRIOR TO SIGNING OF CONTRACT AGREEMENT.
8. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL ON THE FOLLOWING WORK PRIOR TO THE COMMENCEMENT OF ANY FABRICATION OR SITE DELIVERY:
   - REINFORCING STEEL
   - DOOR FRAMES
   - PRE-MANUFACTURED TRUSSES AND JOISTS
   - CABINETS
   - WINDOWS
   - HARDWARE
9. SAMPLES OF MATERIALS MUST BE SUBMITTED TO THE CLIENT / OWNER FOR APPROVAL ON THE FOLLOWING ITEMS:
   - PLUMBING FIXTURES
   - WINDOWS
   - CABINET FINISHES
   - HARDWARE
   - FLOORING FINISHES
   - WALL FINISHES
   - EXTERIOR FINISHES
10. PROVIDE AN APPROVED FIRE EXTINGUISHER(S), FIRE FIGHTING EQUIPMENT AND FIRST AID ON SITE, IN OPEN VIEW FOR THE DURATION OF THE CONTRACT.
11. INSTALL ALL FIXTURES AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND IN ACCORDANCE WITH BARRIER-FREE CODE, BASED ON THE CURRENT BUILDING CODE.
12. ALL MATERIALS AND INSTALLED EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDED SPECIFICATIONS AND INSTALLATION PRACTICES.
13. THIS CONTRACT IS FOR A COMPLETE JOB INCLUDING ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL & ELECTRICAL SITE & BASE BUILDING WORK AND COORDINATION OF ALL TRADES. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ANY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
14. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS FOR THE CONTRACTOR TO COMPLETE CONSTRUCTION BASED ON THE MANUFACTURERS, EQUIPMENT, STANDARDS, AND COLOURS SPECIFIED HEREIN. EQUIVALENT OR BETTER MATERIALS AND MANUFACTURERS MAY BE SUBMITTED TO THE CLIENT / OWNER FOR APPROVAL. ALL SUBSTITUTIONS SHALL MEET OR EXCEED THE STANDARDS AND REQUIREMENTS OF SPECIFIED PRODUCTS AND MATERIALS AS LISTED IN THESE SPECIFICATIONS AND SHALL BE SUBMITTED TO THE ARCHITECT AND / OR DESIGN CONSULTANT FOR FINAL WRITTEN APPROVAL PRIOR TO PROCUREMENT. THE CLIENT / OWNER SHALL RENDER FINAL DETERMINATION REGARDING QUALITY OF PROPOSED SUBSTITUTIONS.
15. UNLESS OTHERWISE INDICATED, A DETAIL INDICATES GENERAL APPLICATION OF WORK AT ALL LOCATIONS WHERE IT LOGICALLY APPLIES. OTHER RELATED WORK INCIDENT THERETO, SHALL BE FULLY COMPLETED IN A MANNER CONSISTENT WITH RELATED DETAILS AND AS APPROVED BY THE ARCHITECT AND / OR DESIGN CONSULTANT.
16. ALL FIRE CODE STANDARDS SUCH AS SPRINKLER PLANS, SHALL BE SUPPLIED BY THE GENERAL CONTRACTOR AND APPROVED BY THE LOCAL FIRE MARSHALL AND BY THE CLIENT / OWNER WHEN AND WHERE REQUIRED.
17. COORDINATE WITH SITE OWNERS ANY WORK WHICH MAY DISRUPT OTHER TENANT'S ACTIVITY SHALL BE DONE AFTER NORMAL BUSINESS HOURS. THE CONTRACTOR TO ENSURE CONTAMINANTS ARE NOT SPREAD TO ADJACENT TENANT OR PUBLIC SPACES.
18. ALL MATERIAL AND WORKMANSHIP MUST BE WARRANTED FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
19. PROVIDE DUST FILTERS IN ALL RETURN AIR DUCTS DURING CONSTRUCTION.
20. ALL NEW AND EXISTING ELEVATIONS TO BE VERIFIED ON SITE. CONTRACTOR TO COORDINATE LOCATIONS OF ALL MECHANICAL & ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN AND INSTALLATION.
21. ALL MATERIALS SHALL BE INSTALLED AND / OR APPLIED ACCORDING TO MANUFACTURER'S SPECS & INSTRUCTIONS.
22. FOR ACCEPTANCE OF PRODUCTS OTHER THAN THOSE SPECIFIED, SUBMIT A REQUEST IN WRITING, CLEARLY DEFINE AND DESCRIBE THE PRODUCT FOR WHICH ACCEPTANCE IS REQUESTED, ACCOMPANY REQUESTS WITH MANUFACTURER'S LITERATURE, SPECS, DRAWING, CUTS, PERFORMANCE DATA OR OTHER INFORMATION NECESSARY TO COMPLETELY DESCRIBE THE ITEM.

DIMENSIONS:

1. DRAWINGS ARE NOT TO BE SCALED FOR DIMENSIONS. CONSTRUCTION TO COMPLY WITH DIMENSIONS PROVIDED ON THE DRAWINGS UNLESS THESE DIMENSIONS ARE FOUND TO BE INCORRECT.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS (SITE VERIFY ALL DIMENSIONS).
3. ANY ERRORS OR DISCREPANCIES IN DIMENSION FOUND TO BE REPORTED PRIOR TO CONSTRUCTION TO THE ARCHITECT AND / OR DESIGN CONSULTANT. THE GENERAL CONTRACTOR SHALL CORRECT ANY ERROR AS PER APPROVAL OF THE ARCHITECT AND / OR DESIGN CONSULTANT.
4. UNLESS OTHERWISE NOTED, DIMENSIONS ARE TAKEN TO EXTERIOR FACE OF CONCRETE FOUNDATION AND EXTERIOR SHEATHING.
5. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB AND THE ARCHITECT AND / OR DESIGN CONSULTANT SHALL BE INFORMED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWING.
6. SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
7. WINDOW SUPPLIER TO SITE MEASURE ROUGH OPENING PRIOR TO MANUFACTURE OF WINDOW AND TO BE RESPONSIBLE TO ENSURE THAT WINDOW SIZE IS CORRECT. (COORDINATE WITH GENERAL CONTRACTOR)
8. FINISHED CEILING HEIGHTS @ 9'-0" A.F.F. UNLESS NOTED OTHERWISE ON DRAWINGS.
9. IN CASE OF CONFLICT, LARGER SCALE DRAWING SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

GENERAL CONTRACTOR:

1. NEITHER THE ARCHITECT, DESIGN CONSULTANT, ENGINEER NOR THE CLIENT / OWNER SHALL BE RESPONSIBLE FOR THE:
   - CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF THE GENERAL CONTRACTOR OR SUBTRADES.
   - ACTS OF OMISSIONS OF CONTRACTOR.
   - FAILURE OF CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND / OR DESIGN CONSULTANT IMMEDIATELY OF MATERIAL DISCREPANCIES FOUND ON DRAWINGS OR OF ANY EXISTING CONDITIONS FOUND ON SITE WHICH CONFLICT WITH CONDITIONS AS SHOWN IN THE CONTRACT DOCUMENTS.
3. ALL WORK PERFORMED PRIOR TO OBTAINING ALL REQUIRED PERMITS SHALL BE DONE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. CHANGES REQUIRED TO WORK ALREADY PERFORMED AS NOTED ON APPROVED DRAWINGS PROVIDED BY ANY AND ALL GOVERNING BODIES SHALL BE DONE AT THE CONTRACTORS EXPENSE.
5. THE GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS, WHICH SHALL NOT BE CHANGED OR MODIFIED WITHOUT THE ARCHITECT AND / OR DESIGN CONSULTANT'S WRITTEN PERMISSION. THE GENERAL CONTRACTOR SHOULD EXERCISE EVERY POSSIBLE PRECAUTION TO VERIFY THE FIGURES SHOWN ON DRAWINGS AND TO OBTAIN FROM THE ARCHITECT AND / OR DESIGN CONSULTANT ANY ADDITIONAL DIMENSIONS OR INFORMATION BEFORE LAYING OUT WORK.
6. THE GENERAL CONTRACTOR SHALL REPORT TO THE ARCHITECT AND / OR DESIGN CONSULTANT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS THEY MAY DISCOVER. IF ADDITIONAL DETAILS OR CLASSIFICATIONS ARE REQUIRED, THE GENERAL CONTRACTOR SHOULD REQUEST IT FROM THE ARCHITECT AND / OR DESIGN CONSULTANT IN WRITING.
7. GENERAL CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY ON AND AROUND THE CONSTRUCTION SITE IN ACCORDANCE WITH APPLICABLE LAWS, SAFETY CODES AND CURRENT EDITION OF NATIONAL BUILDING CODE.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT VAPOUR, AIR & FIRE BARRIERS CONTINUITY IS MAINTAINED THROUGHOUT THE BUILDING(S).
9. THE GENERAL CONTRACTOR SHALL RETAIN (AT THE CLIENT / OWNER'S EXPENSE) AN INDEPENDENT ROOFING INSPECTOR TO OVERSEE THE INSTALLATION OF THE ROOFING SYSTEM IN ADDITION TO THE MANUFACTURERS INSPECTION.
10. THE GENERAL CONTRACTOR SHALL EMPLOY EXPERIENCED WORKERS OR PROFESSIONAL CLEANERS FOR FINAL CLEANING.
11. PRIOR TO FINAL REVIEW, THE GENERAL CONTRACTOR SHALL:
    - DEMONSTRATE OPERATION OF EACH SYSTEM WITHIN THE BUILDING TO THE CLIENT / OWNER
    - INSTRUCT THE CLIENT / OWNER IN OPERATION, ADJUSTMENT AND MAINTENANCE OF EQUIPMENT AND SYSTEMS
    - PROVIDE TWO (2) COPIES OF BROCHURES / OPERATING & MAINTENANCE MANUALS FOR ALL ELECTRICAL AND MECHANICAL EQUIPMENT TO THE CLIENT / OWNER
12. SOIL BEARING CAPACITY IS TO BE REVIEWED BY A CERTIFIED GEO-TECHNICAL ENGINEER. THE GENERAL CONTRACTOR SHALL REFER TO, FOLLOW AND COMPLY WITH ALL RECOMMENDATIONS SET FORTH IN GEO-TECHNICAL REPORT INCLUDED IN THESE CONTRACT DOCUMENTS. THE ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE FINDINGS NOR THE FINAL RECOMMENDATIONS OF THE FINAL REPORT. THE GENERAL CONTRACTOR SHALL NOTIFY THE GEO-TECHNICAL ENGINEER FOR INSTRUCTIONS PRIOR TO CONTINUATION OF WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING CONSTRUCTION.
13. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING ALL PROPERTY LINES, LEVELS, SETBACK, EASEMENTS, LOCATION AND LAYOUT, ETC. PROVIDED BY SURVEYOR BEFORE COMMENCING CONSTRUCTION.
14. THE GENERAL CONTRACTOR SHALL LOCATE ALL ABOVE OR BELOW GRADE SERVICES OR OBSTACLES ON OR ADJACENT TO SITE AND SHALL REPORT SUCH OBSTRUCTIONS IN WRITING TO THE ENGINEER BEFORE COMMENCING CONSTRUCTION.
15. THE CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT A CONSTRUCTION SCHEDULE FOR APPROVAL BY CLIENT / OWNER. THIS SCHEDULE IS ESTABLISHED TO DETERMINE WHETHER THE PROGRESS IN THE FIELD IS ADEQUATE TO MEET THE COMPLETION DATE AND SHOULD THUS PROVIDE A DETAILED SCHEDULE OF EACH ELEMENT OF CONSTRUCTION.
16. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY PROTECTION TO ENSURE THE SAFETY OF THE GENERAL PUBLIC AND CONSTRUCTION PERSONNEL DURING THE CONSTRUCTION PHASE.
17. THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS FOR CONSTRUCTION WITHIN THE BUILDING AS SET OUT BY THE CLIENT / OWNER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND FAMILIARIZE THEMSELVES WITH THE BUILDING REGULATIONS FOR CONSTRUCTION & BUILDING ACCESS, PARKING AND LOCAL BUSINESS LICENSING AND INCLUDE SUCH COSTS IN CONTRACT. FAILURE TO DO SO SHALL NOT BE CONSIDERED JUST CAUSE FOR FUTURE EXTRAS.
19. THE CONTRACTOR SHALL DISPLAY ANY INVOLVED ARCHITECT, ENGINEER AND / OR DESIGN CONSULTANT'S SIGNAGE (AS SUPPLIED BY THE ARCHITECT AND / OR DESIGN CONSULTANT) ON SITE - IN AREAS VISIBLE TO THE PUBLIC - DURING CONSTRUCTION.
20. THE CONTRACTOR SHALL COORDINATE FINAL INSPECTION DATE WITH THE ARCHITECT AND / OR DESIGN CONSULTANT PRIOR TO TURN-OVER.
21. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT AND / OR DESIGN CONSULTANT PRIOR TO FABRICATION AND / OR INSTALLATION. COMMENCEMENT OF FABRICATION PRIOR TO THE ARCHITECT AND / OR DESIGN CONSULTANT'S APPROVAL SHALL BE DONE AT CONTRACTORS RISK.
22. THE CONTRACTOR SHALL INSURE A "LIGHT-TIGHT" CONNECTION WHENEVER CONNECTIONS ABUT COLUMNS, PERIMETER OR CORE WALLS, INDUCTION UNITS AND WINDOW MULLIONS; INSTALL INSUL-TAPE OR EQUAL. CONSTRUCTION FOR ALL PARTITION TYPES MUST MAINTAIN ACOUSTICAL INTEGRITY.
23. WHEN ITEMS ARE UNSPECIFIED, THE CONTRACTOR SHALL PROVIDE TO CLIENT / OWNER PRODUCT OR CATALOGUE CUTS, OR SAMPLES OF ALL ITEMS INCLUDED IN CONTRACT QUOTATIONS FOR APPROVAL.
24. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT CONSTRUCTION INSURANCE IS PROVIDED FOR THE BUILDING DURING CONSTRUCTION AND STAYS IN FORCE UP UNTIL POSSESSION BY THE CLIENT / OWNER. INSURANCE TO BE ADEQUATE SO AS TO PROVIDE FULL REPLACEMENT COVERAGE SHOULD THE BUILDING BE TOTALLY OR PARTIALLY DESTROYED OR DAMAGED IN ANY WAY DURING CONSTRUCTION. THE GENERAL CONTRACTOR MUST TAKE ALL THE NECESSARY PRECAUTIONS TO ELIMINATE FIRE HAZARDS.
25. UNLESS OTHERWISE AGREED UPON, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRADES, OBTAIN ALL REQUIRED PERMITS AND THEIR FEES, AND ARRANGE FOR TEMPORARY SERVICES TO THE SITE FOR CONSTRUCTION PURPOSES.

SITE WORK:

1. THE CONTRACTOR SHALL VERIFY MAIN FLOOR ELEVATION RELATIVE TO EXISTING GRADES / BUILDING PRIOR TO START OF CONSTRUCTION.
2. THE ARCHITECT AND / OR DESIGN CONSULTANT MUST BE NOTIFIED OF ANY CONFLICTS BETWEEN INDIVIDUAL DRAWINGS AND / OR SITE CONDITIONS. ADDITIONAL CHARGES TO THE CONTRACT RESULTING FROM UNFORESEEN SITE CONDITIONS, OR CHANGES REQUIRED BY ANY AND ALL GOVERNING AUTHORITIES OR CHANGES REQUIRED BY THE CLIENT / OWNER SHALL BE SUBMITTED TO THE ARCHITECT AND / OR DESIGN CONSULTANT FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK. OTHERWISE CLAIMS FOR EXTRAS MADE AFTER COMPLETION OF WORK WILL NOT BE ACCEPTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY SERVICES AS DEEMED NECESSARY TO PERFORM WORK OR AS MAY BE REQUIRED BY GOVERNING AUTHORITIES.
4. THE GENERAL CONTRACTOR SHALL PROPERLY BRACE ALL WALLS AND FRAMING UNDER CONSTRUCTION AGAINST WIND AND CONSTRUCTION LOADS UNTIL LATERAL SUPPORT HAS BEEN COMPLETED.
5. ALL FINISHED GRADES TO SLOPE AWAY FROM BUILDING FOUNDATION.
6. PROVIDE MIN. 2% SLOPE ON ALL EXTERIOR CONCRETE SLABS UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL REFER AS FOLLOWS FOR:
   - SITE SUB-SURFACE AND SOILS REPORT INVESTIGATION DATA BY CONSULTING SOILS ENGINEER. REFER TO SOILS REPORT.
   - STRUCTURAL ENGINEERING DATA FOR BUILDING FOUNDATION AND FRAMING BY CONSULTING ENGINEER.
   - LANDSCAPING, TREES, SHRUBS, CURBS, WALKS AND BERMS - REFER TO LANDSCAPE DRAWINGS & CLIENT / OWNER.
   - SITE SERVICES (INCLUDE MECHANICAL, ELECTRICAL AND ROADWAYS) WILL BE BY THE SITE SERVICING SURVEYS, AND CONSULTING ENGINEERS.
8. EXCAVATE AND BACKFILL FOR ALL WORK:
   - COMPACT SUB GRADE TO MIN. 95% PROCTOR DENSITY UNLESS OTHERWISE REQUIRED BY SOILS ENGINEERING CONSULTANT
   - TEST FOR COMPACTION
   - EXCAVATE TO ELEVATIONS SHOWN AND DIMENSIONS INDICATED FOR INSTALLATION
   - REFER TO GRADING PLAN
   - INSPECTION OF THIS WORK REQUIRED BY THE GRADING CONSULTANT
   - DO NOT COMMENCE BACKFILL UNTIL AREAS OF WORK HAVE BEEN INSPECTED AND APPROVED FOR BACKFILL
9. ALL FILL OR BACKFILL USED TO BRING SITE UP TO GRADE OR FOR BURIED SERVICES SHALL BE OF NON-SWELLING CLAY TYPE OF CLEAN PIT RUN GRAVEL COMPACTED IN LIFTS OF 150mm OR LESS, FREE FROM ALL ORGANIC MATERIAL. ALL FILL TO BE COMPACTED TO MIN. 95% PROCTOR DENSITY.
10. CONTRACTOR SHALL ENSURE PROPER COMPACTION AND BACKFILLING FOR FOUNDATION PURPOSES:
    - COMPACT GRANULAR MATERIALS TO 95% PROCTOR DENSITY INTERIOR FILL AND BACKFILL.
    - MECHANICALLY COMPACT UNDER ALL SLABS TO MIN. 95% PROCTOR DENSITY.
    - USE MIN. 150mm THICKNESS PIT RUN GRAVEL UNDER ALL CONCRETE SIDEWALKS (COMPACTED TO 95% PROCTOR DENSITY).
11. CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO PREVENT EXCESS MOISTURE OR EXCESS DRYING OUT OF SOIL. REFER TO SOILS REPORT FOR REFERENCE.
12. COMPACTED FILL MAY BE TESTED BY A TESTING FIRM IN ACCORDANCE TO CLIENT / OWNER OR ARCHITECT, ENGINEER AND / OR DESIGN CONSULTANT'S REQUIREMENTS.
13. RE-LEVEL ANY GRADED AREA SINKING UNEVENLY DUE TO FAULTY FILLING, BACKFILLING, OR COMPACTION AT NO EXPENSE TO THE CLIENT / OWNER, INCLUDING CONCRETE SLABS, SIDEWALKS, ROADWAYS, AND PARKING AREAS.
14. ALL WATER AND / OR ICE SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACING CONCRETE.

SITE UTILITIES (NIC):

1. THE CONTRACTOR SHALL SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE THE WORK OF THIS SECTION AS SHOWN ON THE PERSPECTIVE CONSULTING ENGINEER'S DOCUMENTS AND / OR AS SPECIFIED HERE-IN WHICH SHALL INCLUDE BUT NOT BE LIMITED TO:
   - WATER MAINS INCLUDING SERVICE CONNECTIONS.
   - SEWER MAINS INCLUDING SERVICE CONNECTIONS.
   - GAS LINES INCLUDING SERVICE CONNECTIONS.
   - ELECTRICAL SERVICES INCLUDING SERVICE CONNECTIONS.
2. THE CONTRACTOR SHALL LOCATE ALL EXISTING SERVICES INCLUDING MAINS IN STREETS AND / OR LANES AND EASEMENT, IN THE CONSTRUCTION AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL CHECK ALL DESIGN AND EXISTING INVERTS FOR CONFLICT WITH OTHER UTILITIES AND BUILDING SERVICES.
3. PROTECT BUILDING, LANDSCAPING, ROADS, DRIVEWAYS, SIDEWALKS, CURBS, AND ALL ADJACENT PROPERTY FROM DAMAGE BY CONSTRUCTION, MACHINERY, MATERIALS, EQUIPMENT OR PERSONNEL DURING WORK OF THIS SECTION.
4. ALL MATERIAL AND INSTALLATION SHALL CONFORM TO THE PREVAILING MUNICIPAL REQUIREMENTS.
5. WATER SERVICE PIPE, SANITARY SEWER MAINS, ETC. SHALL BE AS SPECIFIED IN THE RESPECTIVE CONSULTING ENGINEER'S DRAWINGS.
6. CONNECTION TO EXISTING SYSTEMS:
   - THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE APPROPRIATE AUTHORITIES FOR CONNECTION OF SERVICE LINES TO MAINS AND ALL COSTS SHALL BE INCURRED BY THE CONTRACTOR.
7. GAS SERVICES:
   - THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE APPROPRIATE AUTHORITIES FOR CONNECTION OF SERVICE LINES TO MAINS AND ALL COSTS SHALL BE INCURRED BY THE CONTRACTOR.
8. POWER, TELEPHONE AND TELEVISION SERVICES:
   - EACH TRADE CONTRACTOR TO PROVIDE TEMPORARY POWER

FOUNDATION DRAINAGE:

1. DRAINAGE PIPE:
   - PLASTIC HEAVY DUTY RIGID, SLOTTED OR PERFORATED, BELL AND SPIGOT ENDS OR TAPERED WITH COUPLINGS TO CGSB 41 - GP - 29M: (CEMENT ASBESTOS) RIGID PERFORATED, TAPERED ENDS WITH COUPLINGS TO ASTM C508 TYPE I.
   - (ALTERNATES TO DRAINAGE PIPE SPECIFIED WILL BE ACCEPTED IF THEY MEET CMHC AND NATIONAL BUILDING CODE REQUIREMENTS).
2. AGGREGATE:
   - FILTER AGGREGATE TO CAN-3-A23-1M.
3. ACCESSORIES:
   - END CAPS, CLEAN-OUTS, SOLID (UNPERFORATED PIPE)
4. GRAVEL:
   - CONTINUOUS LAYER OF WASHED ROCK
   - NATURAL STONE
   - MIN. SIZE 18mm AND MAX. SIZE 25mm
5. DO NOT BACKFILL UNTIL LINES ARE INSPECTED AND APPROVED BY SOILS ENGINEER.

STRUCTURAL:

1. REFER TO STRUCTURAL DRAWINGS FOR ALL COLUMN, FLOOR & ROOF FRAMING AND STRUCTURAL STEEL DETAILS.
2. REFER TO STRUCTURAL DRAWINGS FOR ALL REINFORCED CONCRETE WALL, FOOTINGS, & FOUNDATION DETAILS.
3. ALL OPENINGS CUT IN MANUFACTURED STRUCTURAL MEMBERS, FOR MECHANICAL SERVICES, ETC TO BE APPROVED BY THE MANUFACTURER OF THE MEMBER INVOLVED AND WHERE DEEMED NECESSARY SHOWN ON SHOP DRAWINGS.

MASONRY UNITS:

1. MATERIALS AND INSTALLATION SHALL MEET OR EXCEED:
   - CSA A371-94, MASONRY CONSTRUCTION FOR BUILDINGS.
   - CSA A370-94, CONNECTORS FOR MASONRY.
2. CONCRETE BLOCK MASONRY UNITS: TO CSA A165.1-94 AND AS FOLLOWS:
   - CLASSIFICATION: H/15/D/M.
   - TYPES AND SIZES:
     - SPLIT FACE STANDARD UNITS IN VARIOUS SIZES AS INDICATED ON DRAWINGS.
   - SPECIAL SHAPES:
     - AS REQUIRED OR INDICATED ON DRAWINGS.
3. HORIZONTAL JOINT REINFORCEMENT:
   - CONVENTIONAL CONTINUOUS WELDED TIES REINFORCING TO CSA A370-94, IN LADDER CONFIGURATION.
   - REINFORCING STEEL WIRE:
     - TO CSA G30.3-M1983, HOT DIP GALVANIZED.
   - REINFORCING CONTINUOUS WELDED DOUBLE WIRE WELDED LADDER TYPE:
     - TO CSA A370-94.
4. CONNECTORS:
   - TO CSA A370-94, RAP TIE AS MANUFACTURED BY FERRO CORPORATION OR APPROVED ALTERNIATE .
   - CORROSION PROTECTION:
     - TO CAN3-S304, HOT DIPPED.
5. MORTAR:
   - TO CSA A179-94.
   - COLOUR TO MATCH BLOCK AS SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT OR CLIENT / OWNER.
6. SHEET STEEL BASE FLASHINGS:
   - MIN. 0.6mm THICK TO ASTM A653-96 FORMED AS DETAILED.
   - GALVANIZED WITH 2275 ZINC COATING.
   - PREFINISHED 8000 SERIES.
   - COLOUR AS SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT OR CLIENT / OWNER.
7. MODIFIED BITUMEN BASE FLASHING:
   - SBS MODIFIED SHEET MEMBRANE.
   - MIN. 1mm THICK SELF-ADHERING TYPE OR MIN. 3mm THICK TORCH-APPLIED TYPE.
8. GROUT:
   - TO CSA A179-94.
9. BONDS AND PATTERNS:
   - STACK OR RUNNING BOND TO PATTERN AS INDICATED ON DRAWINGS.
   - TOOLED JOINTS.
10. CONTROL JOINT FILLERS:
    - PREFORMED RUBBER, NEOPRENE OR POLYVINYLCHLORIDE.
    - SIZE AND PROFILE TO SUIT INTENDED APPLICATION AND AS INDICATED ON DRAWINGS.
11. CAVITY WEEPS / VENTS:
    - PREFORMED PLASTIC OR GALVANIZED STEEL.
    - 100mm LONG.

CONCRETE:

1. CAST-IN-PLACE WORK IN ACCORDANCE WITH CAN3-A23.1-M77, CAN3-A23.2-M77 AND CAN3-A23.3-M77.
2. SIDEWALKS:
   - SHALL HAVE COMPRESSIVE STRENGTH OF 25 mpa AT 28 DAYS.
   - REINFORCEMENT TO BE WELDED WIRE MESH 152 x 152 MW9.1 x MW9.1.
   - PROVIDE 15M DOWELS FROM FOUNDATION WALLS TO EXTERIOR ABUTTING CONCRETE SLAB AT MIN. 600mm O.C. LAP 1,000mm INTO SLAB AND MIN. 500mm INTO FOUNDATION.
3. ALL ASPHALT ROADWAYS SHALL BE CONCRETE CURBED UNLESS OTHERWISE DIRECTED BY THE ARCHITECT AND / OR DESIGN CONSULTANT OR CLIENT / OWNER.
4. USE OF CALCIUM CHLORIDE IN CONCRETE WILL NOT BE ACCEPTED.
5. MIX DESIGN. PLACEMENT / FORMWORK SHALL CONFORM TO CSA-A23.1.
6. DO NOT PLACE CONCRETE BELOW 10°C OR ABOVE 30°C. MAINTAIN TEMPERATURE OF CONCRETE AT 18°C FOR 5 DAYS.
7. SUFFICIENT TESTS SHALL BE UNDERTAKEN TO PROVIDE CONCRETE CYLINDERS FROM EACH POUR. A REPUTABLE FIRM UNDERTAKING THIS WORK SHALL BE PAID FOR BY THE CONTRACTOR (MIN. 1 SAMPLE PER 10 CUBIC METERS).
8. MAINTAIN ACCURATE RECORDS OF POURED CONCRETE ITEMS TO INDICATE DATE, LOCATION OF POUR, QUALITY. AIR TEMPERATURE AND TEST SAMPLES TAKEN.
9. PROVIDE REMOVABLE WOOD BLOCKING OR EQUAL IN CONCRETE OF SIZE AND DEPTH TO ALLOW MECHANICAL, ELECTRICAL, ETC. SERVICES PASSING THROUGH CONCRETE WALLS AT BOTH EXTERIOR AND INTERIOR CONCRETE WALL LOCATIONS. SET IN PLACE ALL AROUND FRAMES REQUIRED FOR WINDOWS, DOORS ETC.
10. GROUT UNDERSIDE OF STEEL COLUMN AND BEAM BEARING PLATES WITH NON-SHRINKING GROUT TO MANUFACTURER'S INSTRUCTION.
11. SLABS:
    - PLACE 10 mil POLYETHYLENE VAPOUR BARRIER FILM ON PREPARED SUB-GRADES UNDER SLABS ON GRADE. LAP EACH SHEET A MIN. OF 305mm & SEAL.
    - WOOD FLOAT ALL EXTERIOR CONCRETE SLABS.
    - STEEL POWER TROWEL ALL INTERIOR CONCRETE SLABS.
    - TROWEL TO TRUE AND EVEN SURFACES TO PROPER GRADES AS INDICATED.
    - ALL EXTERIOR WALKS, AND DRIVEWAYS TO BE BROOM FINISH CONCRETE WITH TOOLED EDGES AND CONTROL JOINTS AS PER DRAWINGS. SEAL FOR CURING.
12. TEST AND INSPECTION:
    - ENGAGE AND PAY FOR ALL CONCRETE INSPECTION AND TESTING.
    - INSPECTION AND TESTING OF CONCRETE AND CONCRETE MATERIALS WILL BE CARRIED OUT BY TESTING LABORATORY APPROVED BY THE CLIENT / OWNER.
13. REINFORCING STEEL:
    - ALL REINFORCING STEEL SHALL BE HIGH STRENGTH GRADE AND CONFIRM TO CSA G30-12M GRADE 400 mpa OR AS NOTED ON THE STRUCTURAL DRAWINGS.
    - WELDED WIRE MESH SHALL CONFIRM TO CSA G30.5
    - REINFORCING STEEL SHALL HAVE ADEQUATE CONCRETE COVER PROTECTION TO ENGINEER'S RECOMMENDATIONS.
14. ALL CONCRETE USED SHALL BE TYPE 50 CEMENT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.

BIG BEAR TECH LTD.
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REV. NO.	DESCRIPTION	DATE mm/dd/yyyy
1.	ISSUED FOR BUILDING PERMIT	09/15/2022
2.	REVISED BUILDING PERMIT	10/27/2022

ARCHITECTURAL CONSULTANTS - COMMERCIAL & RESIDENTIAL DRAFTING

PROJECT

ALTA-FAB

84 CURRY DRIVE
YELLOWKNIFE, NT
X0E 0Y0

LEGAL ADDRESS

CLIENT

CVL ENGINEERS
MIKE OLESKIW
#101,18020 105 AVENUE N.W.,
EDMONTON, ALBERTA
T5S 2P1
PHONE: 780-982-8931

DRAWING

ARCHITECTURAL SPECIFICATIONS (1 OF 4)

FILE	DRAWN
22-645	ADS
DATE	SCALE
OCT. 27, 2022	AS NOTED

DRAWING NO.

A-6.1

ARCHITECTURAL SPECIFICATIONS (2 OF 4):

STEEL FABRICATION:

1. MATERIALS:
   - STEEL SECTIONS AND PLATES:
     - TO CAN/CSA-G40.20/G40.21-M92, GRADE 260W.
   - BOLTS AND NUTS:
     - TO ASTM A307-94, HOT DIP GALVANIZED WHERE NOTED.
   - PRIME PAINT:
     - OIL ALKYD TYPE TO CAN/CGSB-1.40-M89.
   - ISOLATION COATING:
     - ACID AND ALKALI RESISTANT ASPHALTIC PAINT TO CAN/CGSB-1.108-M89.
2. SUPPLY AND INSTALL ALL STEEL COMPONENTS AND STEEL FABRICATIONS INDICATED ON DRAWINGS.
3. THOROUGHLY CLEAN AND SUITABLY PRE-TREAT STEEL PRIOR TO FINISHING.
4. REMOVE LOOSE MILL SCALE, RUST, OIL, GREASE, DIRT AND OTHER FOREIGN MATTER USING ONE OR MORE OF THE FOLLOWING METHODS:
   - SOLVENT CLEANING.
   - WIRE BRUSHING.
   - POWER WIRE BRUSHING.
   - SANDBLASTING.
5. GRIND SMOOTH SHARP PROJECTIONS.
6. PREPARE STEEL TO RECEIVE MASTER PAINTERS INSTITUTE (MPI) FINISHES AS RECOMMENDED IN MPI MANUAL.
7. PRIME PAINT ALL FABRICATIONS.

NON-STRUCTURAL METAL FRAMING:

1. NON-LOADBEARING STEEL FRAMING GENERAL:
   - STEEL SHEET COMPONENTS SHALL COMPLY WITH ASTM C645 REQUIREMENTS FOR METAL, UNLESS OTHERWISE INDICATED.
2. SUSPENSION SYSTEM REQUIREMENTS:
   - TIE WIRE:
     - TO ASTM A641/A641M ZINC COATED.
     - SOFT ANNEALED 1.21mm MIN. DIAMETER.
   - HANGAR WIRE:
     - TO ASTM A641/A641M ZINC COATED.
     - SOFT ANNEALED MIN. 3.77mm DIAMETER.
   - CARRYING CHANNELS:
     - CHANNELS TO ASTM C754.
     - COLD-FORMED FROM STEEL.
     - MIN. 228 MPA YIELD STRENGTH.
     - 1.37mm BASE STEEL THICKNESS.
   - FURRING MEMBERS (CHANNELS):
     - MIN. 0.455mm THICK BASE STEEL.
     - 19.1mm MIN. DEPTH.
     - 12.7mm WIDE FLANGES.
3. STEEL STUDS:
   - MIN. 0.455mm THICK BASE STEEL.
   - DEPTH AS REQUIRED AND AS INDICATED ON DRAWINGS.
   - 12.7mm FLANGES.
4. HAT-SHAPED, RIGID FURRING CHANNELS:
   - MIN. 0.455mm THICK BASE STEEL.
   - 22.2mm MIN, DEPTH.
   - 12.7 mm FLANGES.
5. STEEL FRAMING FOR FRAMED ASSEMBLIES:
   - STEEL STUDS:
     - MIN. BASE STEEL THICKNESS OF 0.455mm.
6. BOTTOM TRACK:
   - MIN. BASE STEEL THICKNESS 0.912mm.
   - MIN. FLANGE HEIGHT 32mm.
7. SLIP-TYPE HEAD JOINTS:
   - DEFLECTION TRACK:
     - 32mm FLANGE.
     - STEEL SHEET TOP RACK MANUFACTURED TO PREVENT CRACKING OF FINISHES APPLIED TO INTERIOR PARTITION FRAMING RESULTING FROM DEFLECTION OF STRUCTURE ABOVE.
     - IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATED DEPTH OF STUDS.
8. SINGLE LONG-LEG TRACK:
   - 50.8mm DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS, INSTALLED WITH STUDS FRICTION-FIT INTO TOP TRACK AND WITH CONTINUOUS BRIDGING LOCATED WITHIN 305mm OF TOP OF STUDS TO PROVIDE LATERAL BRACING.
9. INSTALLATION STANDARD:
   - ASTM C754, EXCEPT COMPLY WITH FRAMING SIZES AND SPACING INDICATED.
10. INSTALL SUSPENSION SYSTEM COMPONENTS IN SIZES AND SPACING INDICATED ON DRAWINGS, BUT NOT LESS THAN THOSE REQUIRED BY REFERENCED INSTALLATION STANDARDS FOR ASSEMBLY TYPES AND OTHER ASSEMBLY COMPONENTS INDICATED.
11. SPACE STUDS AS INDICATED ON DRAWINGS BUT NOT MORE THAN 610mm O.C., AND NOT MORE THAN 50mm FROM ABUTTING WALLS, AND AT EACH SIDE OF OPENINGS AND CORNER. POSITION STUDS IN TRACKS AT FLOOR AND CEILING. CROSS BRACE STEEL STUDS AS REQUIRED TO PROVIDE RIGID INSTALLATION TO MANUFACTURER'S INSTRUCTIONS.
12. EXTEND FRAMING FULL HEIGHT TO STRUCTURAL SUPPORTS OR SUBSTRATES ABOVE SUSPENDED CEILINGS, EXCEPT WHERE PARTITIONS ARE INDICATED TO TERMINATE AT SUSPENDED CEILINGS. CONTINUE FRAMING AROUND DUCTS PENETRATING PARTITIONS ABOVE CEILING.
    - SLIP-TYPE HEAD JOINTS:
      - WHERE FRAMING EXTENDS TO OVERHEAD STRUCTURAL SUPPORTS, INSTALL TO PRODUCE JOINTS AT TOPS OF FRAMING SYSTEMS THAT PREVENT AXIAL LOADING OF FINISHED ASSEMBLIES DUE TO DEFLECTIONS OF STRUCTURE.
13. FIRE-RESISTANCE-RATED PARTITIONS:
    - INSTALL FRAMING TO COMPLY WITH FIRE-RESISTANCE-RATED ASSEMBLY INDICATED AND SUPPORT CLOSURE AND TO MAKE PARTITIONS CONTINUOUS FROM FLOOR TO UNDERSIDE OF SOLID STRUCTURE.
14. SOUND-RATED PARTITIONS:
    - INSTALL FRAMING TO COMPLY WITH SOUND-RATED ASSEMBLY INDICATED.
15. DIRECT FURRING:
    - ATTACH TO CONCRETE OR MASONRY AT 600mm O.C. WITH SCREWS DESIGNED FOR MASONRY ATTACHMENT OR POWER-DRIVEN FASTENERS.
    - INSTALL CONTINUOUS INSULATING STRIPS TO ISOLATE FURRING FROM UN-INSULATED SURFACES.
16. INSTALLATION TOLERANCE:
    - ERECT METAL STUDDING TO TOLERANCE OF 1:1000.
    - INSTALL EACH FRAMING MEMBER SO FASTENING SURFACES VARY NOT MORE THAN 3mm FROM THE PLANE FORMED BY FACES OF ADJACENT FRAMING.
17. ALL STEEL STUD WALLS THAT CONTINUE TO UNDERSIDE OF STRUCTURE MUST HAVE TOP SLIP-TRACK TO ALLOW FOR DEFLECTION.

FIRE-STOPPING:

1. PROVIDE FIRE-STOPPING TO MEET OR EXCEED REQUIREMENTS OF THE CURRENT BUILDING CODE AND AS SPECIFIED IN THIS SECTION.
2. CAP ALL PENETRATIONS IN FIRE RATED WALLS AS REQUIRED.
3. ALL PENETRATIONS THROUGH FIRE WALLS, WHETHER STRUCTURAL, MECHANICAL, OR ELECTRICAL, TO BE PACKED WITH MINERAL FIBRE INSULATION AND CAULKED TO MAINTAIN INTEGRITY OF SEPARATION.
4. PROVIDE A MINIMUM OF 4" CLEARANCE BETWEEN FLUE PIPES AND UNPROTECTED COMBUSTIBLE CONSTRUCTION. ATTACH FIRE STOP TO UNDERSIDE OF JOISTS WHEN FLUES AND CHIMNEYS PASS THROUGH FLOOR AND CEILING CONSTRUCTION.
5. DO NOT FRAME NON-FIRE RATED PARTITIONS DIRECTLY TO U/S OF FLOOR JOISTS. FIRE RATED GYPSUM WALL BOARD ON U/S OF FLOOR TO BE CONTINUOUS ABOVE NON-FIRE RATED PARTITIONS.
6. SUBMIT MANUFACTURER'S PRODUCT DATA FOR MATERIALS AND SYSTEMS. INCLUDE MANUFACTURER'S PRINTED INSTRUCTIONS FOR INSTALLATION. DATA SHALL INDICATE CONFORMANCE WITH REQUIREMENTS OF THIS SECTION, INCLUDING ULC, OR WARNOCK HERSHEY SYSTEM NUMBER.
7. FIRE-STOPPING SYSTEMS: AS LISTED UNDER ULC GUIDE 40 U19 - "FIRE-STOP SYSTEMS" OR AS LISTED IN WH LISTINGS UNDER "THROUGH-PENETRATION FIRE-STOPPING SYSTEMS".
8. INSTALL TESTED FIRE-STOPPING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN STRICT CONFORMANCE WITH TESTED SYSTEMS.
9. REFER TO DRAWINGS FOR STANDARD FIRE-STOPPING SYSTEM DETAILS AND NOTES.

ROUGH CARPENTRY:

1. ALL LUMBER SHALL BE NEW, GOOD QUALITY, WELL AND PROPERLY SEASONED.
2. CONFORM TO THE NATIONAL BUILDING CODE (LATEST EDITION PART 9, CSA, C.G.S.B., A.S.T.M. AND TO N.L.G. STANDARD GRADING RULES) ALL S4S UNLESS OTHERWISE REQUIRED.
3. ALL FRAMING TO COMMERCIAL STANDARDS (NBC).
4. DIMENSION BOARD LUMBER:
   - TO CAN/CSA 0141-91 AND GRADED IN ACCORDANCE WITH CURRENT NATIONAL LUMBER GRADES AUTHORITY (NLGA) STANDARD GRADING RULES FOR CANADIAN LUMBER.
   - MOISTURE CONTENT:
     - MAX. 19% AT TIME OF INSTALLATION.
   - SURFACE FINISH:
     - S4S FOR MEMBERS RECEIVING FINISHES, S2S OR S4S FOR MEMBERS NOT RECEIVING FINISHES.
   - STUDS AND COLUMNS:
     - NO.2 KILN DRIED SPRUCE OR BETTER.
   - JOISTS:
     - DOUGLAS FIR NO2 OR BETTER.
   - BUILT-UP BEAMS AND LINTELS:
     - DOUGLAS FIR NO.2 OR BETTER.
5. MISCELLANEOUS LUMBER SHALL BE CONSTRUCTION GRADE SPRUCE OR BETTER.
6. PLYWOOD SHEATHING:
   - CANADIAN SOFTWOOD PLYWOOD:
     - TO CSA 0151-M1978.
   - DOUGLAS FIR PLYWOOD:
     - TO CSA 0121-M1978.
   - SUB FLOOR:
     - 19mm TONGUE AND GROOVE.
   - WALL SHEATHING:
     - 9.5mm ORIENTED STRAND BOARD.
7. PRESSURE PRESERVATIVE TREATED WOOD:
   - IN ACCORDANCE WITH CAN/CSA 080 SERIES-M89.
   - COOPER NAPTHENATE OR PENTACLOROPHENOL BASE CONFORMING TO CSA-010-1970 MINERAL SPIRIT SOLUTIONS.
8. NAILS, SPIKES AND STAPLES:
   - USE COMMON SPIRAL NAILS AND SPIKES EXCEPT WHERE INDICATED OTHERWISE.
   - USE CSA B-111 HOT DIP GALVANIZED FINISHED STEEL FOR EXPOSED EXTERIOR WORK, HIGHLY HUMID INTERIOR AREAS, PRESSURE-PRESERVATIVE AND FIRE-RETARDANT TREATED LUMBER.
   - PLAIN FINISH ELSEWHERE.
9. BOLT, NUT, WASHER, SCREW AND PIN TYPE FASTENERS:
   - HOT DIP GALVANIZED FINISH TO CSA G164-M92.
   - WOOD SCREWS:
     - CSA B35.3 MINIMUM 41mm.
10. WOOD FURRING AND BLOCKING:
    - PROVIDE ALL FURRING AND BLOCKING AS REQUIRED.
11. BUILDING PAPER:
    - CONFORMING TO CGSB 9-GP-2.
    - BREATHER TYPE.
    - MINIMUM 18 POUNDS ASPHALT IMPREGNATED SHEATHING PAPER.
    - WATER REPELLENT.
12. ALL CARPENTRY IN CONTACT WITH CONCRETE OR MASONRY IS TO BE TREATED WITH A PRESERVATIVE.
13. ALL PRE-ENGINEERED MEMBERS TO BE INSTALLED AS PRE-MANUFACTURES SPECIFICATIONS AND SHOP DRAWINGS, COMPLETE WITH REQUIRED BRIDGING AND BLOCKING.
14. INSTALL ALL MEMBERS TRUE TO LINE, LEVEL AND ELEVATIONS. SPACE UNIFORMLY UNLESS OTHERWISE DIRECTED.
15. USE METAL JOIST HANGERS WHERE JOISTS CONNECT TO BEAMS UNLESS OTHERWISE NOTED.
16. FLOOR JOISTS:
    - UNLESS OTHERWISE NOTED ON DRAWINGS, TO BE 38mm x 235mm HEM FIR NO.2 @:
      - 400mm O.C. FOR SPANS LESS THAN 4,500mm (TO BE CROSS BRIDGED WITH 38mm x 38mm @ 2,100mm O.C. MAX.)
      - 300mm O.C. FOR SPANS GREATER THAN 4,500mm (TO BE SOLID BLOCKED WITH 38mm x 235mm @ 200 O.C. MAX.)
17. LINTELS:
    - TYPICAL LINTELS IN BEARING WALL SHALL BE (2) 2" x 10" HEM FIR NO.2 UNLESS OTHERWISE SHOWN.
    - LINTELS REQUIRED AT ALL OPENINGS EXCEPT WHERE INDICATED OTHERWISE.
18. ALL LUMBER WITHIN 8" OF GRADE AND BELOW SHALL BE PRESSURE TREATED.
19. ALL PLYWOOD JOISTS TO BE STAGGERED.
20. PROVIDE ALL FRAMING / BLOCKING AS REQUIRED TO ENSURE PROPER SECUREMENT TO ALL INSTALLATIONS I.E. RAILS, HANGERS, BATHROOM PARTITIONS, GRAB BARS, ETC.

FINISHED CARPENTRY:

1. ALL MATERIALS AND WORKMANSHIP SHALL MEET OR EXCEED "ARCHITECTURAL WOODWORK STANDARDS EDITION I" OF ARCHITECTURAL WOODWORK MANUFACTURER'S ASSOCIATION OF CANADA (AWMAC) I EDITION, HEREINAFTER REFERRED TO AS "AWMAC MANUAL".
2. SUBMIT SHOP DRAWINGS FOR CABINET WORK AND STAIR RAILS.
3. SOFTWOOD LUMBER:
   - SPRUCE OR PINE SPECIES, TO AWMAC CUSTOM GRADE.
   - AVERAGE MOISTURE CONTENT OF 6% AND MAX. OF 9% FOR INTERIOR WORK.
   - AVERAGE OF 12% AND MAX. OF 15% FOR EXTERIOR WORK.

FINISHED CARPENTRY continued...:

4. HARDWOOD LUMBER:
   - BIRCH SPECIES, TO AWMAC CUSTOM GRADE.
   - AVERAGE MOISTURE CONTENT OF 6% AND MAX. OF 9% FOR INTERIOR WORK.
5. PLYWOOD:
   - SOFTWOOD PLYWOOD:
     - VENEER CORE TO CSA O151.
     - CROSS BANDED.
     - SANDED G2S.
     - FIR OR PINE.
   - HARDWOOD PLYWOOD:
     - VENEER CORE TO CSA O115.
     - FACE VENEER CUSTOM GRADE SELECT.
   - DOUGLAS FIR PLYWOOD:
     - SELECT GRADE 'A' VENEER TO CSA 0121.
     - SANDED G2S.
     - CROSS BANDED.
6. MEDIUM DENSITY FIBREBOARD (MDF):
   - TO ANSI A208.2-1994.
   - DENSITY 720 KG/M3.
7. PARTICLE BOARD:
   - TO CSA 0188.
   - MEDIUM DENSITY - 720.8 KG/m³.
   - ULC LABELLED FIRE RESISTANT.
8. HARDBOARD:
   - TO CGSB 11-GP-3M TYPE 2 TEMPERED UNPERFORATED.
9. PLASTIC LAMINATE:
   - 1.5mm THICKNESS.
   - GENERAL PURPOSE TYPE (IN ACCORDANCE WITH N.E.M.A. STANDARDS LP-2) ADHESIVE AS RECOMMENDED BY PLASTIC LAMINATE MANUFACTURER: ARBORITE, FORMICA, OR WILSONART.
   - COLOUR AND TYPE AS SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT OR CLIENT / OWNER.
10. CASINGS:
    - PROVIDE 57mm WOOD CASEMENTS TO INTERIOR DOOR AND WINDOW FRAMES TO ARCHITECT AND / OR DESIGN CONSULTANT'S APPROVAL.
11. FASTENERS:
    - TO SUIT SIZE AND MATURE OF COMPONENTS BEING FASTENED.
12. SCRIBE AND CUT AS REQUIRED TO FIT ABUTTING WALLS, AND SURFACES, TO FIT PROPERLY INTO RECESSES AND TO ACCOMMODATE INTERSECTING OR PENETRATING OBJECTS.
13. FIT BACKS OF CASINGS SNUGLY TO WALL SURFACES TO ELIMINATE CRACKS AT JUNCTION OF BASE AND CASING WITH WALLS.
14. SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, RIGID, PLUMB AND SQUARE, WITH TIGHT, HAIRLINE JOINTS.
15. FORM JOINTS TO CONCEAL SHRINKAGE.
16. SET FINISHING NAILS TO RECEIVE FILLER. WHERE SCREWS ARE USED TO SECURE COMPONENTS, COUNTERSINK SCREW IN ROUND, CLEANLY CUT HOLE AND PLUG WITH WOOD PLUG TO MATCH MATERIAL BEING SECURED.
17. CHANGE ROOM BENCH:
    - BENCH FRAMING:
      - SPRUCE OR PINE SPECIES (S4S).
      - TO DETAILS INDICATED ON DRAWINGS
    - BENCH SEAT BOARDS:
      - WESTERN RED CEDAR SPECIES (S4S).
      - SELECT TIGHT KNOT, DRESSED FACES.
18. SHELF, BRACING AND GABLES:
    - MDF TO DETAILS INDICATED ON DRAWINGS COMPLETE WITH EDGING:
      - SOLID BIRCH SPECIES.
      - PROFILE AS INDICATED ON DRAWINGS.

ARCHITECTURAL WOODWORK:

1. MATERIALS AND WORKMANSHIP SHALL MEET OR EXCEED "ARCHITECTURAL WOODWORK STANDARDS EDITION I" OF ARCHITECTURAL WOODWORK MANUFACTURER'S ASSOCIATION OF CANADA (AWMAC) I EDITION, HEREINAFTER REFERRED TO AS "AWMAC MANUAL".
2. ALL CORE MATERIALS ARE TO BE BIRCH PLYWOOD.
3. HARDWARE (WHERE REQUIRED):
   - TO BE LEVER HANDLES IN ALL BARRIER FREE ACCESSIBLE LOCATIONS.
   - TO BE CONFIRMED WITH CLIENT / OWNER.
4. PLASTIC LAMINATE FINISHED COUNTER TOPS AND VANITY CASEWORK - AWMAC QUALITY GRADE - CUSTOM AS FOLLOWS:
   - LAMINATE COLOUR, FINISH / SHEEN / GRADE AS SELECTED.
   - CORE:
     - BIRCH PLYWOOD 19mm THICK.
   - EDGE TYPE:
     - PLASTIC LAMINATE TO MATCH TOP.
   - SPLASHBACK:
     - PLASTIC LAMINATE TO MATCH TOP, UNLESS NOTED OTHERWISE.
5. SHOP DRAWINGS:
   - INCLUDE PLANS, ELEVATIONS, SECTIONS AND DETAILS.
   - INDICATE MATERIALS, FACTORY FINISHES, THICKNESS AND HARDWARE.
   - INDICATE CONSTRUCTION DETAILS, LOCATIONS OF BUILT-IN ITEMS, CONNECTIONS, ATTACHMENTS, ANCHORAGE AND LOCATION OF EXPOSED FASTENINGS, AS APPLICABLE.
6. SUBMIT MANUFACTURER'S PRODUCT LITERATURE FOR ITEMS NOT MANUFACTURED BY ARCHITECTURAL WOODWORK MANUFACTURER, WHEN REQUESTED.
7. INSTALL ITEMS IN ACCORDANCE WITH AWMAC MANUAL.
8. POSITION ITEMS ACCURATELY, SECURE AND RIGID.
9. SCRIBE AND CUT AS REQUIRED TO NEATLY FIT TO ABUTTING WALLS AND RECESSES AND TO PROJECTING, INTERSECTING OR PENETRATING OBJECTS.
10. USE DRAW BOLTS IN COUNTERTOPS AND CASEWORK JOINTS.
11. APPLY SMALLEST PRACTICABLE BEAD OF SILICONE SEALANT AT JUNCTION OF SPLASHBACKS AND ADJACENT WALL FINISH.
12. SILICONE SEALANT:
    - TO CAN/CGSB-19.13-M87.
    - SHORE A HARDNESS 15-25.
    - MATCHING COLOUR.
13. BACKPRIME THE FOLLOWING SURFACES CONCEALED AFTER INSTALLATION:
    - SURFACES IN CONTACT WITH CONCRETE, MASONRY, FLOORS OR FLOOR FINISHES.
    - CUT-OUTS FOR SINKS, DRAINS, AND OTHER MECHANICAL SERVICES.
    - UNDERSIDE OF FRONT EDGES OF COUNTERTOPS AND TOE-SPACES.
    - OTHER SURFACES WHICH MAY BE SUBJECTED TO MOISTURE DURING NORMAL USE OR CLEANING OPERATIONS.
    - CONCEALED SURFACES OF HARDWOOD PLYWOOD, PARTICLEBOARD, AND MEDIUM DENSITY FIBREBOARD.
14. VERIFY JOB SITE CONDITIONS IN ACCORDANCE WITH AWMAC MANUAL.
15. VERIFY HUMIDITY AND TEMPERATURE CONDITIONS ARE STABLE AND AS RECOMMENDED IN AWMAC MANUAL.
16. ACCESSORIES:
    - SILICONE SEALANT:
      - TO CAN/CGSB-19.13-M87.
      - SHORE A HARDNESS 15-25.
      - MATCHING COLOUR.
    - OTHER ACCESSORIES:
      - TO AWMAC MANUAL

ROOFING:

1. ROOFING SYSTEM AS SPECIFIED.
2. INSTALLATION OF ROOFING SYSTEM TO BE UNDERTAKEN ONLY BY CERTIFIED TRADESMAN TO ACCEPTED TRADE STANDARDS AND TO LATEST CODE REQUIREMENTS.

BITUMINOUS DAMP-PROOFING:

1. DAMP-PROOFING MATERIAL - TO BE ONE OR MORE OF THE FOLLOWING, AS NOTED ON THE DRAWINGS:
   - CAN/CGSB-37.1-M89, CHEMICAL EMULSIFIED TYPE, EMULSIFIED ASPHALT FOR DAMP-PROOFING.
   - CAN/CGSB-37.2-M88, EMULSIFIED ASPHALT, MINERAL-COLLOID TYPE, UNFILLED FOR DAMP-PROOFING AND WATERPROOFING AND FOR ROOF COATING.
   - CGSB 37-GP-6MA, ASPHALT, CUTBACK, UNFILLED, FOR DAMP-PROOFING.
   - CAN/CGSB-37.16-M89, FILLED, CUTBACK ASPHALT FOR DAMP-PROOFING AND WATERPROOFING.
2. WATER:
   - POTABLE.
3. JOINT SEALING COMPOUND:
   - RUBBER-ASPHALT, TO CAN/CGSB-37.29-M89.
4. APPLY DAMP-PROOFING TO PROVIDE TWO CONTINUOUS, UNIFORM COATS TO ENTIRE EXTERIOR FACE OF FOUNDATION WALLS FROM 50mm BELOW EXTERIOR FINISH GRADE LEVEL TO AND INCLUDING TOPS OF FOUNDATION WALL FOOTINGS.
5. APPLY FOUNDATION MATERIALS IN ACCORDANCE WITH ONE OF FOLLOWING, AS APPLICABLE:
   - CAN/CGSB-37.3-M89, APPLICATION OF EMULSIFIED ASPHALTS FOR DAMP-PROOFING AND WATERPROOFING AND FOR ROOF COATINGS.
   - CGSB 37-GP-12MA, APPLICATION OF UNFILLED CUTBACK ASPHALT FOR DAMP-PROOFING.
   - CGSB 37-GP-36M, APPLICATION OF FILLED CUTBACK ASPHALTS FOR DAMP-PROOFING AND WATERPROOFING.
6. USE CUTBACK ASPHALT MATERIALS AT TEMPERATURES BELOW 5°C.
7. USE EITHER CUTBACK OR EMULSIFIED ASPHALT MATERIALS, AT CONTRACTOR'S OPTION, WHEN SURFACES AND AMBIENT AIR WILL BE MIN. 5°C FOR 72 HOURS BEFORE APPLICATION, DURING APPLICATION AND FOR CURING PERIOD.
8. SEAL HOLES AROUND PIPES AND OTHER SERVICES PASSING THROUGH DAMP-PROOFED SURFACES BY USING JOINT SEALING COMPOUND APPLIED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

SHEET METAL FLASHING AND TRIM:

1. GALVANIZED STEEL SHEET:
   - COMMERCIAL QUALITY SHEET TO ASTM A653-M96.
   - WITH Z275 DESIGNATION ZINC COATING.
2. PRE-PAINTED GALVANIZED STEEL:
   - COMMERCIAL QUALITY TO ASTM A653-M96, WITH Z275 ZINC COATING PRE-PAINTED.
   - WITH BAKED ON ENAMEL WITH COLOURS OF PROVEN DURABILITY FOR EXTERIOR EXPOSURE.
   - 8000 SERIES.
   - COLOUR AS INDICATED ON DRAWINGS.
3. SOLDER:
   - 50% PIG LEAD AND 50% BLOCK TIN.
4. FLUX:
   - COMMERCIAL QUALITY AS RECOMMENDED BY SHEET METAL MANUFACTURER.
5. FLASHING NAILS:
   - #12 HOT DIPPED ZINC COATED.
   - ANNULAR RINGED.
6. SHEET METAL SCREWS:
   - CADMIUM PLATED.
   - SELF TAPPING.
   - PAN HEAD.
7. BITUMINOUS PAINT:
   - SOLVENT TYPE.
   - TO CAN/CGSB-1.108-M89
   - TYPE 11.
8. PLASTIC CEMENT:
   - CUTBACK ASPHALT TYPE.
   - TO CAN/CGSB-37.5-M89.
9. SEALING COMPOUND:
   - TO SECTION 07510.
10. SEALANT:
    - ONE COMPONENT.
    - ELASTOMERIC.
    - CHEMICAL CURING.
    - CAN/CGSB-19.13-M87.
11. RECESSED REGLET:
    - PREFORMED 0.70mm THICK GALVANIZED STEEL CHANNEL.
    - WITH FACE AND ENDS COVERED WITH PLASTIC TAPE.
12. FLASHING ANCHOR CLIPS:
    - 0.80mm THICK GALVANIZED STEEL.
13. GENERAL FABRICATION:
    - FORM SECTIONS SQUARE, TRUE AND ACCURATE TO SIZE, FREE FROM DISTORTION AND OTHER DEFECTS DETRIMENTAL TO APPEARANCE OR PERFORMANCE.
    - BACKPAINT SHEET METAL WITH BITUMINOUS PAINT ON SURFACES IN CONTACT WITH CONCRETE, MASONRY, CEMENTITIOUS MATERIALS OR DISSIMILAR METAL.
14. MAX. METAL FLASHING JOINT SPACING:
    - PARAPET FACE FLASHINGS:
      - 1,200mm.
    - CAP FLASHING 300mm AND GREATER IN WIDTH:
      - 1,200mm.
    - ALL OTHER FLASHINGS:
      - 2,400mm.
15. CONSTRUCT FLASHING JOINTS TO ALLOW FOR FLASHING MOVEMENT, USING FLAT "S" LOCK SEAMS.
16. MAINTAIN MIN. OF 22mm LAP AT ALL JOINTS. PROVIDE 25mm ANCHOR PROJECTION OF "S" LOCKS.
17. AT INSIDE AND OUTSIDE CORNERS, MITRE THE JOINT, AND USE UPSTANDING SEAMS, 22mm MIN. HEIGHT AND 22mm MIN. LAP.
18. MAINTAIN MIN. 1:5 SLOPE ON HORIZONTAL SURFACES OF FLASHINGS, PARAPETS AND CONTROL JOINTS.
19. HEM EXPOSED EDGES ON UNDERSIDE OF ALL FLASHINGS.
20. FABRICATE CAP FLASHING TO HAVE A DRIP LEG MIN. 110mm HIGH.
21. FABRICATE CAP AND COUNTER FLASHINGS TO LAP 100mm OVER BASE FLASHINGS.
22. FORM SHEET STEEL ROOF DRAIN SLEEVES, AIR-STOPS ETC., FROM 0.70mm GALVANIZED STEEL.
23. FORM GUM BOXES:
    - 0.70mm GALVANIZED STEEL.
    - MIN. 75mm UPSTAND AND 100mm ONE PIECE FLANGES.
    - SOLDER JOINTS.
    - MAKE PANS WIDER THAN MEMBER PASSING THROUGH ROOF MEMBRANE BY 50mm MIN. ALL SIDES.

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REV. NO.	DESCRIPTION	DATE mm/dd/yyyy
1.	ISSUED FOR BUILDING PERMIT	09/15/2022
2.	REVISED BUILDING PERMIT	10/27/2022

ARCHITECTURAL CONSULTANTS - COMMERCIAL & RESIDENTIAL DESIGNERS - COMPUTER DRAFTING

PROJECT

ALTA-FAB

84 CURRY DRIVE
YELLOWKNIFE, NT
X0E 0Y0

LEGAL ADDRESS

CLIENT

CVL ENGINEERS
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DRAWING

ARCHITECTURAL SPECIFICATIONS (2 OF 4)

FILE	DRAWN
22-645	ADS
DATE	SCALE
OCT. 27, 2022	AS NOTED

DRAWING NO.

A-6.2

ARCHITECTURAL SPECIFICATIONS (3 OF 4):

GRANULAR INSULATION:

1. GRANULAR INSULATION:
   - ASBESTOS FREE VERMICULITE OR PERLITE GRANULAR FILL.
   - WATER REPELLENT.
   - ROT AND VERMIN PROOF.
   - FIRE RESISTANT FLAME / FUEL / SMOKE RATING OF AS REQUIRED BY THE CURRENT BUILDING CODE.
2. INSTALL INSULATION MATERIALS AFTER MASONRY MATERIALS ARE DRY.
3. INSTALL INSULATION TO MAINTAIN SOUND RATING TO BUILDING ELEMENTS AND SPACES.
4. INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. FILL COMPLETELY WITH INSULATION, THE CONCRETE BLOCK CORES.
6. PLUG ALL HOLES IN WALL THROUGH WHICH INSULATION MAY ESCAPE, USING GLASS FIBRE MESH.
7. CAULK AND SEAL AROUND ALL DOOR OR WINDOW OPENINGS, ELECTRIC OUTLETS, PIPES AND ALL OTHER OPENINGS.
8. POUR DIRECTLY INTO THE WALL FROM THE BAG OR FROM A HOPPER PLACED ON TOP OF THE WALL.
9. THE HEIGHT OF POUR SHALL NO EXCEED 6m OR ONE STOREY HEIGHT, WHICHEVER IS LESS.
10. PLACE TEMPORARY SIGNS IN ALL ROOMS ON FACE OF INSULATED WALL WARNING ALL TRADES TO USE CAUTION TO PREVENT LOSS OF INSULATION IF CUTTING INTO THE WALL.

POLYSTYRENE INSULATION:

1. POLYSTYRENE INSULATION SHALL BE TESTED, CERTIFIED AND LABELED FOR CONFORMANCE WITH CAN/ULC S701-01, THERMAL INSULATION, POLYSTYRENE, BOARDS AND PIPE COVERING, IN ACCORDANCE WITH CAN, ULC, OR OTHER CERTIFICATION PROGRAM ACCREDITED BY STANDARDS COUNCIL OF CANADA.
2. INSULATION:
   - POLYSTYRENE, TYPE 3:
     - TO CAN/ULC S701-01, TYPE 3.
   - POLYSTYRENE, TYPE 4:
     - TO CAN/ULC S701-01, TYPE 4.
3. BOARD DIMENSIONS AND SHAPE:
   - MIN. WIDTH:
     - 400mm.
   - MIN. LENGTH:
     - 1,200mm.
   - THICKNESS:
     - AS INDICATED IN INSULATION SCHEDULE.
4. FASTENERS SHALL BE SPECIFICALLY DESIGNED TO ANCHOR INSULATION BY FRICTIONAL RESISTANCE WITHIN STRUCTURALLY ADEQUATE SUBSTRATES. THEY SHALL BE INSERTED INTO AND COMPRESSED AGAINST SURROUNDING SUBSTRATES, EITHER BY BEING DRIVEN OR SCREWED, AND SHALL BE ONE OF THE FOLLOWING TYPES:
   - PLASTIC:
     - WITH INTEGRAL SHANK AND HEAD OF MIN. 45mm DIAMETER TO DISTRIBUTE STRESSES.
     - OF HIGH DENSITY POLYETHYLENE TO ASTM D1248-84 OR HIGH DENSITY POLYPROPYLENE TO ASTM D4101-95B.
   - CARBON STEEL OR STAINLESS STEEL:
     - OF NAIL, SCREW, OR EXPANSION TYPE.
     - WITH SEPARATE HOT DIP GALVANIZED SHEET STEEL OR HIGH DENSITY POLYETHYLENE OR POLYPROPYLENE STRESS DISTRIBUTION PLATES OF MIN. 50mm DIAMETER OR WIDTH.
   - ONE OF THE FOLLOWING COMBINATION MASONRY CONNECTORS / INSULATION FASTENERS:
     - MASONRY CONNECTORS: AS SPECIFIED IN SECTION 04200, DESIGNED, WITH OR WITHOUT OPTIONAL INSULATION RETAINER PLATES, TO FUNCTION AS INSULATION FASTENERS.
     - PLASTIC WEDGES: WITH LOCKING RIBBED SURFACE, DESIGNED TO SECURE RIGID INSULATION WHEN INSTALLED WITH LADDER TYPE MASONRY CONNECTORS COMPLYING WITH SECTION 04200 AND FACTORY MODIFIED TO PROVIDE RIGID ANCHORAGE FOR WEDGES.
5. PERFORMANCE REQUIREMENTS FOR INSTALLED INSULATION FASTENERS:
   - PULLOUT RESISTANCE:
     - MIN. 200 N, PERPENDICULAR TO APPLICABLE SUBSTRATES AND WITHIN TEMPERATURE RANGE OF -30ºC TO +40ºC.
   - CORROSION RESISTANCE:
     - CARBON STEEL COMPONENTS SHALL SHOW NOT MORE THAN 15% OF THE SURFACE RUSTED, AND COATINGS SHALL NOT BLISTER, PEEL OR CRACK, WHEN TESTED TO CORROSION TEST PROCEDURE OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD, CLASS 1 ROOF COVERS (4470).
   - REFER TO SECTION 04200 - MASONRY FOR TIE TYPE INSULATION SUPPORTS.
6. INSTALL INSULATION TO FOUNDATION WITH ADHESIVE AS RECOMMENDED BY MANUFACTURER.
7. INSTALL INSULATION BOARDS HORIZONTALLY. OFFSET VERTICAL JOINTS MIN. 300mm.
8. OVER GYPSUM SHEATHING AND STUD FRAMING AT 400mm O.C., LOCATE VERTICAL JOINTS AT MID-POINT BETWEEN STUDS.
9. INSTALL TIGHTLY AGAINST DRY SUBSTRATE. PROVIDE CONTINUITY O THERMAL PROTECTION TO BUILDING ELEMENTS AND SPACES.
10. CUT AND TRIM INSULATION NEATLY TO FIT AROUND CORNERS AND PENETRATIONS. TAKE CARE TO PREVENT CUTTING SHEET MEMBRANE AIR AND VAPOUR SEAL.
11. BUTT JOINTS TIGHTLY. DEFORM BOARD EDGES AS REQUIRED TO MAINTAIN TIGHT BUTT JOINTS AT INSULATION FASTENERS AND OTHER PENETRATIONS LOCATED AT BOARD JOINTS.
12. INSTALL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS.

NON-RIGID INSULATION:

1. FIBROUS GLASS BATTS:
   - TO CSA A101M.
   - PREFORMED INSULATION WITHOUT A MEMBRANE.
   - SIZED FOR FRICTION FIT BETWEEN FRAMING.
   - THERMAL RESISTANCE (RSI) AS INDICATED ON THE DRAWINGS.
2. ENSURE ALL IN-WALL CONSTRUCTION IS COMPLETE BEFORE BEGINNING INSTALLATION.
3. INSTALL INSULATION AFTER BUILDING SUBSTRATE MATERIALS ARE DRY.
4. ENSURE SUBSTRATE MATERIALS ARE PROPERLY INSTALLED AND COMPLETE BEFORE BEGINNING INSTALLATION.
5. INSTALL INSULATION MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. INSTALL INSULATION TO MAINTAIN CONTINUITY OF THERMAL PROTECTION OF BUILDING ELEMENTS AND SPACES.
7. FIT INSULATION TIGHTLY AROUND OPENINGS AND PROTRUSIONS IN PLANE OF INSULATION.
8. INSTALL BATTS BETWEEN FRAMING MEMBERS, STRUCTURAL COMPONENTS AND OTHER ITEMS SNUG AND TIGHT.
9. CUT AND TRIM BATTS NEATLY TO FIT SPACES. USE BATTS FREE FROM RIPPED OR DAMAGED BACK AND EDGES.
10. DO NOT COMPRESS INSULATION TO FIT INTO SPACES.
11. IN ALL BATT INSULATED WALLS - BATTS TO FILL ENTIRE VOID SPACE UNLESS OTHERWISE NOTED.

AIR VAPOUR BARRIER AND AIR RETARDANTS:

1. THE VAPOUR BARRIER IS AN INTEGRAL PART OF THE BUILDING'S AIR / VAPOUR / THERMAL ENCLOSURE AND MUST BE INSTALLED INTACT AND CONTINUOUS ON THE WARM SIDE (INTERIOR) OF THE EXTERIOR INSULATED WALLS, SOFFITS, OVERHANGS, ROOFS, CEILINGS AND FLOORS - FREE FROM PUNCTURES, HOLES, TEARS OR LEAKS. INSTALL IN TIGHT CONTACT WITH INSULATION.
2. VAPOUR BARRIER MUST BE SEALED TO AND AROUND ALL PENETRATIONS AND DESIGNED OPENINGS SUCH AS WINDOWS, DOORS, SERVICES, ETC. AND TO OTHER BUILDING VAPOUR BARRIERS SUCH AS ROOF.
3. LAP JOINTS A MIN. OF 100mm SEAL AIR TIGHT. ALL JOINTS TO BE SEALED WITH ACOUSTICAL CAULK AND COMPRESSED AGAINST FRAMING MEMBER.
4. AT OPENINGS IN EXTERIOR WALLS FOR SUCH ITEMS AS SERVICE ENTRANCES, AND ELECTRICAL BOXES, MAINTAIN INTEGRITY OF VAPOUR / AIR BARRIER BY SEALING TO APPROVED 'PAN'.
5. POLYETHYLENE VAPOUR BARRIER MEMBRANES:
   - TO CGSB 70-GP-1.
   - TYPE 11.
   - CLEAR.
   - 0.15mm UNDER SLABS (10 mil.).
   - 0.10mm ALL OTHER (6 mil.).
6. BUILDING PAPER:
   - TO CGSB 9-GP-2A.
   - ASPHALT SATURATED SHEATHING PAPER.
   - BREATHER TYPE.
   - 11.34kg.
7. TAPE:
   - VAPOUR BARRIER TYPE.
   - SELF ADHERING AS RECOMMENDED BY BARRIER SHEET MANUFACTURER.
   - MIN. 75mm WIDE.
8. STAPLES:
   - GALVANIZED STEEL.
   - 6.4mm LEG.

SEALANTS:

1. SEALANTS MUST NOT EXCEED VOC LIMITS STATED IN STATE OF CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE #1168, JANUARY 2005, LIMITS OF VOC CONTENT OF ADHESIVES, SEALANTS AND SEALANT PRIMERS.
2. NON-HARDENING TYPE AS RECOMMENDED BY MANUFACTURER, COMPATIBLE WITH SHEETS AND MATERIALS IN CONTACT WITH EACH OTHER
3. SEALANT MATERIALS:
   - TYPE S-1; ACRYLIC SEALANT:
     - ACRYLIC LATEX, CONFORMING TO CAN/CGSB- 19.17M.
   - TYPE S-2; SILICONE SEALANT:
     - MOULD AND MILDEW RESISTANT, CONFORMING TO CAN/CGSB-19.22M.
   - TYPE S-3; SILICONE SEALANT:
     - GENERAL CONSTRUCTION, CONFORMING TO CAN/CGSB19.13M.
   - TYPE S-4; SILICONE SEALANT:
     - STRUCTURAL GLAZING, CONFORMING TO CAN/CGSB-19.13M.
   - TYPE S-5; ACOUSTICAL SEALANT:
     - NON-HARDENING.
   - TYPE S-6; AIR-SEAL SEALANT:
     - BUTYL NON-HARDENING, CONFORMING TO CGSB 19-GP-14M.
   - TYPE S-7; MULTI-COMPONENT SEALANT:
     - CHEMICAL CURING.
     - EXTERIOR WALL SEALANT, CONFORMING TO CAN/CGSB-19.24M.
   - TYPE S-8; HORIZONTAL JOINT SEALANT:
     - TWO COMPONENT.
     - SELF LEVELING, CONFORMING TO CAN/CGSB19.24M AND ASTM C920.
   - TYPE S-9; POLYURETHANE SEALANT:
     - ONE COMPONENT.
     - NON-SAG.
     - FOR GENERAL CONSTRUCTION, CONFORMING TO CAN/CGSB-19.13M.
   - TYPE S-10; POLYSULPHIDE SEALANT:
     - ONE COMPONENT.
     - NON-SAG.
     - FOR GENERAL CONSTRUCTION, CONFORMING TO CAN/CGSB19.13M.
4. BACKER ROD:
   - NON-STAINING.
   - NON-ABSORBENT.
   - RETICULATED CLOSED CELL BACKER ROD.
   - ROUND SHAPE.
   - 30%-50% OVERSIZED.
5. PRIMER:
   - NON-STAINING TYPE AS RECOMMENDED BY SEALANT MANUFACTURER.
6. BOND BREAKER:
   - PRESSURE SENSITIVE TAPE RECOMMENDED BY SEALANT MANUFACTURER TO SUIT APPLICATION.
7. JOINT CLEANER:
   - NON-CORROSIVE SOLVENT TYPE RECOMMENDED BY SEALANT MANUFACTURER FOR APPLICABLE SUBSTRATE MATERIALS.
8. COLOURS:
   - TO MATCH ADJACENT MATERIALS, AS SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT FROM MANUFACTURER'S STANDARD COLOUR RANGE.
9. SEAL PERIMETERS OF HOLLOW METAL DOOR FRAMES ON BOTH SIDES.
10. SEAL JOINTS IN FLOORS AND WALLS AROUND SERVICE AND MECHANICAL AND ELECTRICAL FIXTURE PENETRATIONS.
11. SEAL AT LOCATIONS WHERE DISSIMILAR MATERIALS MEET.
12. PROVIDE CONTINUOUS ROD & CAULKING JOINT AT ALL EXTERIOR DOORS, WINDOWS, CONTROL JOINTS & OTHER LOCATIONS AS PER STANDARD CONSTRUCTION PRACTICE.
13. MAINTAIN INTEGRITY OF ALL AIR / VAPOUR BARRIER MEMBRANE IN THE EXTERIOR WALL AND ROOF STRUCTURE. ALL MEMBRANES ARE TO BE CONTINUOUS AND HAVE A MIN. OVERLAP OF 8" AT ALL PARAPETS, FLASHING JOINTS, CHANGES IN DIRECTION, WINDOWS, DOORS, ETC.

HOLLOW METAL DOORS AND FRAMES:

1. EXCEPT AS OTHERWISE SPECIFIED, COMPLY WITH REQUIREMENTS OF CANADIAN MANUFACTURING STANDARDS FOR STEEL DOORS AND FRAMES PUBLISHED BY THE CANADIAN STEEL DOOR AND FRAME MANUFACTURER'S ASSOCIATION.
2. REGULATORY REQUIREMENTS: FIRE-RATED STEEL FRAMES SHALL BE OF TYPES TESTED AND APPROVED BY INTERTEK TESTING SERVICES, WARNOCK HERSHEY AND SHALL BEAR LABEL OF SAME. PROVIDE DOORS PRODUCED UNDER LABEL SERVICE PROGRAM OF A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
3. DOORS SHALL BEAR TESTING AGENCY LABEL OR STAMP INDICATING THE FOLLOWING:
   - AT STANDARD SIZE OPENINGS: FIRE ENDURANCE RATING.
   - AT OVERSIZED OPENINGS: UNCLASSIFIED AS TO FIRE RATING.
4. WARRANTY PERIOD: 1 YEAR.
5. REFER TO DRAWINGS, DOOR SCHEDULE AND DETAILS FOR REQUIRED TYPES AND SIZES OF FRAMES.
6. SHEET STEEL:
   - TO ASTM A653M-96 COMMERCIAL QUALITY STEEL, COLD ROLLED, ZINC COATED TO ZF075 COATING DESIGNATION.
7. HONEYCOMB CORE MATERIAL:
   - RIGID PRE-EXPANDED RESIN IMPREGNATED KRAFT PAPER HAVING MAX. 25mm HEXAGONAL SHAPED CELLS.
8. HEADER AND JAMB MEMBERS: FORM INTERIOR DOOR FRAMES OF ASTM A366 COMMERCIAL QUALITY COLD ROLLED STEEL. FORM EXTERIOR DOOR FRAMES OF GALVANIZED STEEL (A40) PER ASTM A653. PROVIDE FRAMES IN THE FOLLOWING GAGES:
   - FIRE RATED STANDARD FRAMES FOR 1 $\frac{3}{4}$" (44mm) DOORS:
     - 18 GAGE.
   - 1 $\frac{3}{4}$" (44mm) DOOR FRAMES:
     - 18 GAGE.
   - 1 $\frac{3}{4}$" (44mm) DOOR SIDELITE FRAMES:
     - 18 GAGE.
   - BORROWED LITE FRAMES:
     - 18 GAGE.
   - HINGE REINFORCEMENTS:
     - 14 GAGE HOT DIPPED GALVANIZED (G60) STEEL TO ASTM A653 (10 GAGE EQUIVALENT NUMBER OF THREADS, SDI-107)
   - STRIKES AND DEADBOLT COVERS AND DUST BOX:
     - 18 GAGE COMMERCIAL QUALITY COLD ROLLED STEEL TO ASTM A366.
   - DOOR CLOSER REINFORCEMENT:
     - STEEL OR ALUMINUM IN ACCORDANCE WITH MANUFACTURER'S STANDARD.
   - INTERIOR FRAMES:
     - INSTALL FELT SILENCERS ON THE HEADER AND STRIKE JAMB.
     - SINGLE DOOR OPENING, 1 PER HEADER, 2 PER STRIKE JAMB.
     - PAIR DOOR OPENING, 2 PER HEADER.
   - HARDWARE PREPARATIONS:
     - IN ACCORDANCE WITH AN APPROVED HARDWARE SCHEDULE, AND MANUFACTURER'S RECOMMENDATIONS.
   - COMPLIANCE:
     - COMPLY WITH MANUFACTURER'S PRODUCT DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, PRODUCT CATALOGUE INSTALLATION INSTRUCTIONS AND PRODUCT CARTON INSTRUCTIONS FOR INSTALLATION.
   - INSTALL FRAMES PLUMB AND SQUARE, IN ACCORDANCE WITH SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS. VERIFY OPENING AND DIMENSIONS WITH SHOP DRAWINGS. USE DOOR AS A TEMPLATE TO ENSURE PROPER ALIGNMENT AND CLEARANCES.
   - ATTACH HINGES AND HANG DOOR IN FRAME. ADJUST FRAME TO DOOR FOR EQUAL AND UNIFORM CLEARANCE BETWEEN TOP AND SIDES OF DOOR AND FRAME.
     - INSTALL FIRE-RATED DOOR FRAMES IN ACCORDANCE WITH NFPA 80.
     - DOOR BUMPERS: BLACK NEOPRENE.
9. INSTALL DOORS AND HARDWARE IN ACCORDANCE WITH TEMPLATES AND MANUFACTURER'S INSTRUCTIONS. MAX. PERMISSIBLE WARP OF 3mm MEASURED DIAGONALLY ACROSS DOOR.
10. ADJUST OPERABLE PART FOR CORRECT FUNCTION.

FLUSH WOOD DOORS AND FRAMES:

1. PROTECT DOORS FROM DAMPNESS. ARRANGE FOR DELIVERY AFTER WORK CAUSING ABNORMAL HUMIDITY HAS BEEN COMPLETED.
2. STORE DOORS IN WELL VENTILATED ROOM, OFF FLOOR, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. PROTECT DOORS FROM SCRATCHES, HANDLING MARKS AND OTHER DAMAGE. WRAP DOORS.
4. STORE DOORS AWAY FROM DIRECT SUNLIGHT.
5. AREA, OR ROOM, IN WHICH DOORS ARE TO BE INSTALLED MUST BE MAINTAINED AT A UNIFORM TEMPERATURE OF 16ºC MIN., AND 25% TO 55% HUMIDITY, 24 HOURS PRIOR TO, DURING AND AFTER INSTALLATION.
6. WOOD FLUSH DOORS:
   - PARTICLEBOARD DOOR CORES:
     - INDUSTRIAL PARTICLEBOARD CORE HAVING MIN. DENSITY OF 450 KG/M3 IN ACCORDANCE WITH ANSI 208.1
     - GRADE LD-1 USING LOW EMITTING COMPOSITE WOOD PRODUCTS THAT DO NOT CONTAIN UREA-FORMALDEHYDE.
   - BLOCKING:
     - HARDWOOD LUMBER, KILN DRIED TO AND AVERAGE MOISTURE CONTENT OF BETWEEN 6% AND 12% MAX. AT TIME OF MANUFACTURE
     - SIZED AND LOCATED AS REQUIRED TO ELIMINATE THROUGH BOLTING HARDWARE.
   - STRUCTURAL COMPOSITE LUMBER (SCL):
     - LAMINATED LUMBER MEETING REQUIREMENTS OF WDMA I.S.10, HAVING SCREW WITHDRAWAL FORCE OF NOMINAL 3100 N ON FACE AND 1780 N ON EDGE.
   - HARDBOARD FACE:
     - MEETING CAN/CGSB-11.3, TYPE 2, MIN. DENSITY 500 KG.M3, TEMPERED HARDBOARD (MASONITE).
     - 6mm NOMINAL THICKNESS.
     - ONE FACE SMOOTH FINISH SUITABLE FOR PAINTED FINISH.
   - DOOR TYPE:
     - INTERIOR, INSTITUTIONAL TYPE, PREMIUM GRADE IN ACCORDANCE WITH AWMAC.
   - DUTY RATING:
     - HEAVY PERFORMANCE GRADE IN ACCORDANCE WITH AWMAC.
   - CORE CONSTRUCTION:
     - AS PER SCHEDULE.
   - FABRICATE DOORS IN ACCORDANCE WITH CAN/CSA_0132.2 SERIES_90.
   - STILES AND RAILS: SCL BONDED TO CORE AND AS FOLLOWS:
     - SIDE STILES: SCL WIDE WITH 16mm HARDWOOD EDGE; FINGER JOINTED MATERIALS PERMITTED.
     - TOP AND BOTTOM RAILS: SCL WIDE WITH 16mm SOFT WOOD CAP.

DOOR HARDWARE:

1. CONFORM TO FIRE RATED REQUIREMENTS AS APPLICABLE TO HARDWARE FOR LABELED OR RATED DOORS AND FRAMES.
   - COMPLY WITH REQUIREMENTS OF THE CURRENT BUILDING CODE.
   - THE HARDWARE SCHEDULE WILL ESTABLISH THE QUALITY STANDARDS, FINISHES, MANUFACTURERS AND FUNCTIONS. ALL HARDWARE TO BE SUPPLIED AS SPECIFIED IN FINISH HARDWARE GROUPS TO MATCH EXISTING BUILDING STANDARD.
2. ALL HARDWARE SHALL BE ELECTRIFIED AND FIRE RATED AS NOTED IN HARDWARE GROUPS.
3. INSTALL ALL HARDWARE IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND TO APPROVED SCHEDULE LOCATIONS.
4. DURING INSTALLATION OF HARDWARE, AND AT COMPLETION, ADJUST HARDWARE AS NECESSARY TO ENSURE PROPER SMOOTH AND FREE OPERATION.
5. ALL CONDUIT, 120V POWER, JUNCTION BOXES, FA INTERFACE, SINGLE GANG BOXES FOR CARD READER BY ELECTRICAL CONTRACTOR.
6. CARD READER CABLE AND ELECTRIC STRIKE CABLE TO BE SUPPLIED BY THIS SECTION AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
7. ALL CYLINDERS TO BE MASTER KEYED TO EXISTING BUILDING MATER KEY SYSTEM. PROVIDE TWO (2) KEYS PER CYLINDER.
8. HARDWARE SCHEDULE:
   - SEE DOOR SCHEDULE OR CLIENT / OWNER.

ALUMINUM DOORS, WINDOWS AND FRAMES:

1. DESIGN MEMBERS TO WITHSTAND, WITHIN ACCEPTABLE DEFLECTION LIMITATIONS, THEIR OWN WEIGHT, THE WEIGHT OF GLASS, AND THE MIN. DESIGN LOADS DUE TO THE PRESSURE AND SUCTION OF WIND AS CALCULATED IN ACCORDANCE WITH THE CURRENT BUILDING CODE.
2. MAKE PROVISION TO DRAIN, TO THE EXTERIOR, ANY WATER ENTERING AT JOINTS AND / OR CONDENSATION OCCURRING WITHIN THE WALL CONSTRUCTION.
3. DESIGN ASSEMBLY TO ACCOMMODATE EXPANSION AND CONTRACTION WHEN SUBJECTED TO MIN. AND MAX. SURFACE TEMPERATURE OF -35ºC TO +75ºC.
4. SUBMIT SHOP DRAWINGS.
5. ALUMINUM EXTRUSIONS:
   - 6063 T54 ALLOY AND TEMPER.
6. SHEET ALUMINUM:
   - ALUMINUM ASSOCIATION ALLOY AA1100 ANODIZING QUALITY.
7. STEEL REINFORCEMENTS:
   - TO CAN/CSA_G40.21_M92.
8. FASTENERS:
   - ALUMINUM.
   - STAINLESS STEEL TYPE 316 OR CADMIUM PLATED STEEL - FINISHED TO MATCH ADJACENT MATERIAL.
9. STEEL PRIMER:
   - TO CAN/CGSB-1.40-M89.
10. BITUMINOUS PAINT:
    - TO CAN/CGSB-1.108-M89.
11. WEATHERSTRIPPING:
    - WATERPROOF, ROT-PROOF PILE FIBRE 4mm HIGH x 6mm WIDE IN NEOPRENE BACKING OF FLEXIBLE VINYL.
    - COMPRESSION TYPE:
      - MOULDED NEOPRENE MEETING ASTM D2000.
    - SLIDING TYPE:
      - WOOL, POLYPROPYLENE, OR NYLON WOVEN PILE WITH NYLON FABRIC OR ALUMINUM-STRIP BACKING MEETING AAMA 701.
12. WEATHER SWEEPS:
    - MANUFACTURER'S STANDARD EXTERIOR DOOR BOTTOM SWEEP WITH CONCEALED FASTENERS ON MOUNTING STRIP.
13. SILLS:
    - SLOPED EXTRUDED MATCHING ALUMINUM SILL SECTIONS INCLUDING UPTURNED END STOPS, CHAIRS, ANCHORS, SPLICE PLATES; FINISH SAME AS ALUMINUM FRAMING.
14. FLEXIBLE JOINT MEMBRANE:
    - SHEET MEMBRANE AIR AND VAPOUR SEAL.
15. SEALANTS:
    - IN ACCORDANCE SEALANT SECTION
    - COLOUR SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT.
17. FINISH OR EXPOSED ALUMINUM SURFACES SHALL BE #17 CLEAR ANODIZED.
18. EXTERIOR DOORS AND VESTIBULE DOORS:
    - KAWNEER 350 WITH 3 $\frac{1}{2}$" VERTICAL/TOP RAILS AND 6 $\frac{1}{2}$" BOTTOM RAIL.
19. INTERIOR DOORS:
    - KAWNEER 190 WITH 2 $\frac{1}{2}$" VERTICAL STILE, 2 $\frac{1}{2}$" TOP RAIL AND 3 $\frac{1}{2}$" BOTTOM STILE, OR APPROVED ALTERNATIVE.
20. PROVIDE WEATHERSTRIPPING ON TWO SIDES AND HEAD OF EXTERIOR DOORS AND SWEEP STRIP FULL WIDTH OF BOTTOM RAIL. CONSTRUCT TO PERMIT READY PLACEMENT OF WEATHERSTRIPPING ON INSTALLED DOORS WITHOUT SPECIAL TOOLS.
21. STOREFRONT WINDOW FRAMES:
    - KAWNEER 1602 SERIES OR APPROVED EQUAL AND KAWNEER 1600 C/W SSG MULLIONS OR APPROVED ALTERNATIVE. WHERE SPANS EXCEED THE LIMITATIONS OF 1602 SERIES, SUBSTITUTE WITH 1600 SERIES OR APPROVED EQUAL. KAWNEER 1600 C/W SSG MULLIONS OR APPROVED ALTERNATIVE.
22. INTERIOR FRAMES AND SIDELIGHTS:
    - KAWNEER TRIFAB 451 OR APPROVED ALTERNATIVE.
23. MAKE ALLOWANCES FOR DEFLECTION OF STRUCTURE TO ENSURE THAT STRUCTURAL LOADS ARE NOT TRANSMITTED TO ALUMINUM WORK.
24. SECURE WORK ADEQUATELY AND ACCURATELY TO STRUCTURE IN DESIGNED LOCATION, IN MANNER NOT RESTRICTING THERMAL MOVEMENT.
25. INSTALL POLYURETHANE FOAM IN VOID BETWEEN WINDOW AND DOOR FRAMES AND ROUGH OPENING. FILL VOID COMPLETELY AND TRIM OF EXCESS FOAM WHEN CURED.
26. ENSURE CONTINUITY OF AIR / VAPOUR BARRIER WITH ADJACENT CONSTRUCTION.
27. ALL WINDOWS TO BE SEALED UNIT IN ALUMINUM FRAMES, C/W WEATHER STRIPPING AND HARDWARE UNLESS NOTED OTHERWISE.

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REV. NO.	DESCRIPTION	DATE mm/dd/yyyy
1.	ISSUED FOR BUILDING PERMIT	09/15/2022
2.	REVISED BUILDING PERMIT	10/27/2022

ARCHITECTURAL CONSULTANTS - COMMERCIAL & RESIDENTIAL DESIGNERS - COMPUTER DRAFTING

PROJECT

ALTA-FAB

84 CURRY DRIVE
YELLOWKNIFE, NT
X0E 0Y0

LEGAL ADDRESS

CLIENT

CVL ENGINEERS

MIKE OLESKIW
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DRAWING

ARCHITECTURAL SPECIFICATIONS (3 OF 4)

FILE	DRAWN
22-645	ADS
DATE	SCALE
OCT. 27, 2022	AS NOTED

DRAWING NO.

A-6.3

ARCHITECTURAL SPECIFICATIONS (4 OF 4):

GLAZING:

1. CONFORM TO FIRE RATED REQUIREMENTS AS APPLICABLE TO HARDWARE FOR LABELED OR RATED DOORS AND FRAMES.
   - COMPLY WITH REQUIREMENTS OF THE CURRENT BUILDING CODE.
   - THE HARDWARE SCHEDULE WILL ESTABLISH THE QUALITY STANDARDS, FINISHES, MANUFACTURER'S AND FUNCTIONS. ALL HARDWARE TO BE SUPPLIED AS SPECIFIED IN FINISH HARDWARE GROUPS.
2. STANDARDS:
   - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) - ANSI Z97.1-1984 (R1994), GLAZING MATERIALS USED IN BUILDINGS, SAFETY PERFORMANCE SPECIFICATIONS AND METHODS OF TEST.
   - CANADIAN GENERAL STANDARDS BOARD (CGSB) - CAN/CGSB-12.1-M90, TEMPERED OF LAMINATED SAFETY GLASS.
3. DELIVER AND STORE PACKAGED MATERIALS IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER'S LABELS AND SEALS INTACT.
4. SAMPLES:
   - SUBMIT 300mm x 300mm SIZED SAMPLES OF EACH TYPE OF GLASS, CLEARLY LABELED WITH MANUFACTURER'S NAME AND GLASS TYPE.
   - REFERENCE GLASS TYPES TO THOSE SCHEDULES AND SPECIFIED WITHIN.
5. INSULATING GLASS UNITS SHALL BE CERTIFIED BY THE INSULATED GLASS MANUFACTURER'S ASSOCIATION OF CANADA (IGMAC).
6. PROVIDE A WRITTEN, TRANSFERABLE WARRANTY SIGNED AND ISSUED IN THE NAME OF THE OWNER STATING THAT SEALED INSULATING GLASS UNITS WILL BE FREE OF CONDENSATION FOR A PERIOD OF 5 YEARS FROM DATE OF SUBSTANTIAL PERFORMANCE.
7. CLEAR TEMPERED SAFETY GLASS AS FOLLOWS:
   - TYPE: 2 - TEMPERED.
   - CLASS: B - FLOAT GLASS.
   - CATEGORY: II - 540 J IMPACT RESISTANCE.
8. WIRED SAFETY GLASS PRODUCT: TO CAN/CGSB_12.11_M90 AND AS FOLLOWS:
   - TYPE: 1 - POLISHED BOTH SIDES, TRANSPARENT.
   - WIRE MESH STYLE: GEORGIAN.
9. LOW EMISSIVITY (LOW E 0 GLASS - WHERE SO INDICATED IN THE INSULATING GLASS SCHEDULE OR ELSEWHERE IN THE CONTRACT DOCUMENTS, PROVIDE PRIMARY GLASS PRODUCTS WITH A LOW EMISSIVITY COATING AS FOLLOWS:
   - TYPE OF METALLIC COATED GLASS: SOLARBAN 70XL AS MANUFACTURED BY PPG INDUSTRIES INC. OR APPROVED ALTERNATIVE.
10. SPANDREL GLASS:
    - PRODUCT OPACI-COAT-300 WATER-BASED SILICONE GLASS COATING OR APPROVED ALTERNATE.
    - COLOUR AS PER DRAWINGS OR TO BE DETERMINED BY ARCHITECT AND / OR DESIGN CONSULTANT.
11. INSULATING GLASS UNITS:
    - PROVIDE SEALED INSULATING GLASS UNITS IN ACCORDANCE WITH CAN/CGSB-12.8-M90, IN CONFIGURATIONS OF SOLARBAN 70XL (2) + CLEAR.
12. SETTING BLOCKS:
    - NEOPRENE.
    - 80 DUROMETER HARDNESS.
    - 100mm LONG x 10mm THICK x 6mm HIGH.
13. SPACER SHIMS:
    - NEOPRENE.
    - 80 DUROMETER HARDNESS.
    - 75mm LONG x MIN. 6mm THICK.
    - DO NOT USE METAL, PLASTIC, OR WOOD SHIMS.
14. GLAZING SPLINES AND GASKETS:
    - MANUFACTURER'S STANDARD DRY NEOPRENE GLAZING SPLINES AND GASKETS.
    - PROVIDE KEYED TYPE FOR FIXED GLAZING STOPS AND KEYED OR ROLL-IN TYPE FOR REMOVABLE GLAZING RETAINING DEVICES.
    - EXCEPT WHERE OTHERWISE SPECIFIED, COLOUR SHALL MATCH FRAME COLOUR.
15. GLAZING TAPE:
    - PREFORMED BUTYL TAPE.
    - 10-15 DUROMETER HARDNESS.
    - WITH INTEGRAL NEOPRENE SHIM.
    - 80 DUROMETER HARDNESS.
    - PAPER RELEASE.
    - BLACK COLOUR.
    - 0.150mm THICK x 0.375mm WIDE.
16. SET GLASS ON SETTING BLOCKS, SPACED AS RECOMMENDED BY GLASS MANUFACTURER. PROVIDE AS LEAST ONE SETTING BLOCK AT QUARTER POINTS FROM EACH CORNER.
17. USE SPACERS AND SHIMS IN ACCORDANCE WITH GLASS MANUFACTURER'S RECOMMENDATIONS.
18. IDENTIFY GLAZED OPENINGS IMMEDIATELY FOLLOWING GLASS INSTALLATION, USING LIQUID SHOE WAX IN A SPONGE TOPPED BOTTLE OR SIMILAR EASY TO REMOVE PRODUCT.
19. SIZE AND HEAT STRENGTHEN OF TEMPER GLASS UNITS TO WITHSTAND WIND LOADS TO THE CURRENT BUILDING CODE REQUIREMENTS AND POSITIVE AND NEGATIVE LIVE LOADS ACTING NORMAL TO PLANE OF GLASS.

MIRROR GLASS:

1. MIRRORS, SILVERED: TO CAN/CGSB-12.5-M86 AND AS FOLLOWS:
   - TYPE: 1A - FLOAT GLASS, FOR NORMAL USE.
   - TINT: CLEAR.
   - EDGES: FLAT POLISHED EDGE. SEAL EDGES TO PREVENT CHEMICAL OR ATMOSPHERIC PENETRATION OF BACKING.
   - SIZE: AS INDICATED ON DRAWINGS.
2. MIRROR MASTIC:
   - ADHESIVE SETTING COMPOUND PRODUCED SPECIFICALLY FOR SETTING OF MIRRORS BY SPOT APPLICATION, COMPATIBLE WITH GLASS COATING AND AS RECOMMENDED BY MIRROR MANUFACTURER.
3. INSTALLATION:
   - WALL MOUNTED MIRROR INSTALLATION GENERALLY:
     - INSTALL MIRRORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
     - MOUNT MIRRORS IN-PLACE TO AVOID DISTORTING REFLECTED IMAGES.
   - MASTIC INSTALLATION:
     - INSPECT SURFACE OVER WHICH MIRROR IS TO BE MOUNTED. COMPLY WITH MASTIC MANUFACTURER'S INSTALLATION DIRECTIONS FOR PREPARATION OF MOUNTING SURFACE INCLUDING COATING WITH MASTIC MANUFACTURER'S SPECIAL BOND FOR COATING WHERE APPLICABLE.
     - APPLY MASTIC IN SPOTS TO COMPLY WITH MASTIC MANUFACTURER'S DIRECTIONS FOR COVERAGE AND TO ALLOW AIR CIRCULATION BETWEEN BACK OF MIRROR AND MOUNTING SURFACE.
   - HARDWARE INSTALLATION:
     - PROVIDE PERMANENT MEANS OF STRUCTURAL SUPPORT AT BOTTOM EDGE OF MIRROR.
     - ATTACH MIRROR HARDWARE SECURELY TO MOUNTING SURFACE WITH MECHANICAL FASTENERS WITH ANCHORS OR INSERTS.
     - PLACE A FELT OR PLASTIC PAD BETWEEN MIRROR AND METAL OR PLASTIC CLIPS TO PREVENT SPALLING OF MIRROR EDGES.
   - MIRROR INSTALLATION:
     - AFTER MASTIC IS APPLIED, ALIGN MIRROR AND PRESS INTO PLACE WHILE AT THE SAME TIME MAINTAINING A MIN. AIR SPACE OF 4mm FOR AIR CIRCULATION BETWEEN BACK OF MIRROR AND MOUNTING SPACE.
     - INSTALL CLIPS ALONG TOP OF MIRROR DURING MASTIC CURING PERIOD.

GYPSUM BOARD ASSEMBLIES:

1. STANDARD BOARD:
   - TO ASTM C36/C36M REGULAR AND FIRE RESISTANT.
   - THICKNESS AS INDICATED.
   - 1,200mm WIDE x MAX. PRACTICAL LENGTH.
   - ENDS SQUARE CUT.
   - TAPERED EDGES.
   - ACCEPTABLE MATERIALS:
     - SHEETROCK (FIRECODE), CGC INC.
     - TOUGHROCK GYPSUM WALLBOARD (FIREGUARD), GEORGIA PACIFIC CANADA, INC.
     - PROROC WALLBOARD (TYPE X), CERTAINTEED.
2. SAG RESISTANT GYPSUM BOARD:
   - ASTM C1396, CEILING BOARD MANUFACTURED TO HAVE MORE SAG RESISTANCE THAN REGULAR TYPE GYPSUM BOARD.
   - FOR HORIZONTALLY INSTALLED APPLICATIONS:
     - THICKNESS: AS INDICATED.
     - LONG EDGES: TAPERED.
     - LOCATION: CEILING SURFACES.
     - ACCEPTABLE MATERIALS:
       a. CGC SHEETROCK INTERIOR CEILING BOARD
       b. GEORGIA PACIFIC CD CEILING BOARD
       c. CERTAINTEED PROROC INTERIOR CEILING BOARD
3. NAILS:
   - TO ASTM C541.
4. STEEL DRILL SCREWS:
   - TO ASTM C1002.
5. CASING BEADS, CORNER BEADS, CONTROL JOINTS AND EDGE TRIM:
   - TO ASTM C1047.
   - GALVANIZED SHEET STEEL TO ASTM A653 Z180 ZINC COATING.
   - BEADED, ANGLED, KNURLED AND PERFORATED.
   - 32mm WIDE FLANGES.
   - ONE PIECE LENGTH PER LOCATION.
6. INSULATING STRIP:
   - RUBBERIZED.
   - MOISTURE RESISTANT.
   - 3mm THICK CLOSED CELL NEOPRENE STRIP.
   - 12mm WIDE.
   - WITH SELF STICKING PERMANENT ADHESIVE ON ONE FACE.
   - LENGTHS AS REQUIRED.
7. JOINT COMPOUND:
   - TO ASTM C475.
   - ASBESTOS-FREE.
8. APPLICATION AND FINISHING OF GYPSUM BOARD TO BE IN ACCORDANCE WITH ASTM C840 EXCEPT WHERE SPECIFIED OTHERWISE.
9. INSTALLATION:
   - ERECT ACCESSORIES STRAIGHT, PLUMB OR LEVEL, RIGID AND AT PROPER PLANE. USE FULL LENGTH PIECES WHERE PRACTICAL. MAKE JOINTS TIGHT, ACCURATELY ALIGNED AND RIGIDLY SECURED. MITRE AND FIT CORNERS ACCURATELY, FREE FROM ROUGH EDGES. SECURE AT 150mm O.C.
   - INSTALL CASING BEADS AROUND PERIMETER OF SUSPENDED CEILINGS.
   - INSTALL CASING BEADS WHERE GYPSUM BOARD BUTTS AGAINST SURFACES HAVING NO TRIM CONCEALING JUNCTION AND WHERE INDICATED. SEAL JOINTS WITH SEALANT.
   - INSTALL INSULATING STRIPS CONTINUOUSLY AT EDGES OF GYPSUM BOARD AND CASING BEADS ABUTTING METAL WINDOW AND EXTERIOR DOOR FRAMES, TO PROVIDE THERMAL BREAK.
   - CONSTRUCT CONTROL JOINTS OF TWO BACK-TO-BACK CASING BEADS SET IN GYPSUM BOARD FACING AND SUPPORTED INDEPENDENTLY ON BOTH SIDES OF THE JOINT.
   - PROVIDE CONTINUOUS POLYETHYLENE DUST BARRIER BEHIND AND ACROSS CONTROL JOINTS.
   - LOCATE CONTROL JOINTS WHERE INDICATED AND AT CHANGES IN SUBSTRATE CONSTRUCTION AT APPROXIMATE 10m SPACING ON LONG CORRIDOR RUNS, AT APPROXIMATE 15m SPACING ON CEILINGS.
   - INSTALL ACCESS DOORS TO ELECTRICAL AND MECHANICAL FIXTURES SPECIFIED IN RESPECTIVE SECTIONS.
     - RIGIDLY SECURE FRAMES TO FURRING OR FRAMING SYSTEMS.
   - FINISH GYPSUM BOARD WALLS AND CEILINGS TO FOLLOWING LEVELS IN ACCORDANCE WITH AWCC SPECIFICATION STANDARDS MANUAL ON LEVELS OF GYPSUM BOARD FINISH:
     - LEVEL OF FINISH.
     - LEVEL 4: EMBED TAPE FOR JOINTS AND INTERIOR ANGLES IN JOINT COMPOUND AND APPLY THREE SEPARATE COATS OF JOINT COMPOUND OVER JOINTS, ANGLES, FASTENER HEADS AND ACCESSORIES; SURFACES SMOOTH AND FREE OF TOOL MARKS AND RIDGES.
10. PROVIDE ½" GREEN MOISTURE RESISTANT GYPSUM WALL BOARD IN PLACE OF REGULAR GYPSUM WALL BOARD BEHIND ALL WALL TILE LOCATIONS:
    - ATTACHED W/ 1 ¼" HOT DIPPED GALVANIZED SCREWS @ 8" O.C.
11. PROVIDE ⅝" TYPE 'X' GYPSUM WALL BOARD IN ALL FIRE RATED ASSEMBLIES, AS PER CONSTRUCTION NOTES, UNLESS NOTED OTHERWISE IN DRAWINGS.

CERAMIC TILE:

1. DO TILE WORK IN ACCORDANCE WITH INSTALLATION MANUAL 300-2006-2007, PRODUCED BY TERRAZZO TILE AND MARBLE ASSOCIATION OF CANADA TTMAC, EXCEPT WHERE SPECIFIED OTHERWISE.
2. FLOOR AND WALL TILES:
   - REFER TO FINISHES SCHEDULE DRAWINGS FOR CERAMIC TILE TYPES AND COLOURS.
3. INSTALL EXPANSION AND CONTROL JOINTS TO TTMAC DETAIL 301M3-2006/2007.
4. DETERMINE THE NUMBER REQUIRED AND LOCATIONS OF CONTROL JOINTS TAKING INTO CONSIDERATION THE JOINT WIDTH AND THE ON-SITE BACKING WALL INSTALLATION. LOCATE JOINTS AS RECOMMENDED IN TTMAC DETAIL.
5. JOINT SIZES:
   - 1.5mm JOINT FOR WALL TILE.
   - 3mm JOINT FOR MOSAIC FLOOR TILE.
   - 3mm JOINT FOR PORCELAIN FLOOR TILE.
6. INSTALL TILE ON GYPSUM BOARD WALLS TO TTMAC DETAIL NO. 304W-2006/2007.
7. INSTALL TILE ON CONCRETE FLOORS TO TTMAC DETAIL NO. 311F-2006/2007.

ACOUSTIC UNIT CEILING:

1. CEILINGS TO BE INSTALLED WITH PROFESSIONALS SKILLED IN THIS TRADE AND IN ACCORDANCE WITH SYSTEM MANUFACTURER'S PRINTED DIRECTIONS TO PRODUCE A FINISHED CEILING LEVEL, IN TRUE PLANE, FREE FROM DISTORTED, WARPED, SOILED OR DAMAGED PANELS OR GRID (REUSE EXISTING WHEN APPLICABLE).
2. ACOUSTIC TILES:
   - AS PER FINISH SCHEDULE AND TO MATCH EXISTING.
3. GRID:
   - T SUSPENSION GRID 15/16" (0.9375mm) AND TO MATCH EXISTING.
4. HANGERS:
   - 2.6mm STEEL WIRE GALVANIZED.
5. SUPPORT SUSPENSION SYSTEM MAIN RUNNERS AT 4'-0" (1,200mm) ON CENTER MAX. WITH HANGER WIRE FROM BUILDING STRUCTURAL SYSTEM. COMPLETED ASSEMBLY TO SUPPORT ALL SUPERIMPOSED LOADS. MAX. PERMISSIBLE DEFLECTION IS 1/360 OF SPAN.
6. INSTALL SUSPENSION ASSEMBLY TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. ELECTRICAL FIXTURES SHALL BE SUPPORTED BY THE MAIN RUNNERS AND CROSS RUNNERS, BUT IN ADDITION TO THIS THE ACOUSTICAL SUBCONTRACTOR SHALL SUPPLY AND INSTALL TO EACH AND EVERY FIXTURE A 2.6mm GALVANIZED SOFT ANNEALED MILD STEEL WIRE HANGERS WITHIN 6" (150mm) OF EACH CORNER. FIXTURES EXCEEDING 2' x 4' SHALL BE SUPPORTED BY OTHER SUBCONTRACTORS RESPONSIBLE TO THE GENERAL CONTRACTOR.
8. SUPPLY AND INSTALL "U" SHAPED METAL TRIM PIECES AR EACH SIDE OF EXPANSION JOINT. DESIGN TO ACCOMMODATE ±25mm MOVEMENT AND MAINTAIN VISUAL CLOSURE. FINISH METAL COMPONENTS TO MATCH ADJACENT METAL TRIM. PROVIDE BACKING PLATES BEHIND BUTT JOINTS.

RESILIENT FLOORING:

1. SUBMIT DUPLICATE 300mm SQUARE SAMPLE PIECES OF SHEET MATERIAL, 300mm BASE, AND OTHER ACCESSORIES AS REQUIRED FOR THIS PROJECT, FOR ARCHITECT AND / OR DESIGN CONSULTANT'S APPROVAL.
2. SUBMIT MANUFACTURER'S PRINTED RECOMMENDATIONS FOR INSTALLATION OF PRODUCTS. WHERE APPLICABLE, INCLUDE DETAILED RECOMMENDATIONS FOR SEAMING SHEET VINYL.
3. PROVIDE MANUFACTURER'S PRINTED RECOMMENDATIONS FOR GENERAL MAINTENANCE, INCLUDING CLEANING INSTRUCTIONS AND GUIDELINES FOR USE OF WAXES AND OTHER PROTECTIVE COATINGS.
4. DELIVER 1m² OF EACH MATERIAL AND COLOUR FOR FUTURE MAINTENANCE.
5. REFER TO FINISH SCHEDULE FOR RESILIENT FLOORING AND BASE TYPES AND COLOURS.
6. EDGE STRIPS:
   - ALUMINUM EXTRUDED, SMOOTH, SATIN FINISH WITH LIP TO EXTEND UNDER FLOOR FINISH, SHOULDER FLUSH WITH TOP OF ADJACENT FLOOR FINISH.
7. ADHESIVES:
   - AS RECOMMENDED BY FLOORING MANUFACTURER AND ADHESIVE MANUFACTURER FOR EACH FLOORING MATERIAL AND TYPE AND LOCATION OF SUBSTRATE.
8. ENSURE CONCRETE FLOORS HAVE A MAX. 2.5% MOISTURE CONTENT, EXHIBIT NORMAL ALKALINITY AND NO CARBONIZATION OR DUSTING.
9. REMOVE SUBFLOOR RIDGES AND BUMPS. FILL LOW SPOTS, CRACKS, JOINTS, HOLES AND OTHER DEFECTS WITH SUBFLOOR FILLER.
10. TROWEL AND FLOAT SUBFLOOR FILLER TO LEAVE SMOOTH, FLAT, HARD SURFACE. PROHIBIT TRAFFIC UNTIL FILLER IS CURED.
11. APPLY ADHESIVE AS RECOMMENDED BY MANUFACTURER.
12. LAY TILE WITH JOINTS PARALLEL TO BUILDING LINES TO PRODUCE SYMMETRICAL TILE PATTERN. INSTALL TOLE TO PATTERN AS DETAILED ON DRAWINGS.
13. INSTALL METAL EDGE STRIPS AT UNPROTECTED AND EXPOSED EDGES WHERE FLOORING TERMINATES.
14. CLEAN, SEAL AND WAX FLOOR AND BASE SURFACES TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

CARPET FLOORING:

1. CARPET COMPONENTS, CONSTRUCTION AND PERFORMANCE SHALL MEET OR EXCEED REQUIREMENTS OF CAN/CGSB-4.129-93, CARPET FOR COMMERCIAL USE.
2. SUBMIT DUPLICATE 200mm x 200mm CARPET SAMPLES IN COLOUR AND PATTERN.
3. SUBMIT 200mm LONG SAMPLE OF PROPOSED CARPET TRANSITION STRIP.
4. LARGE REMNANTS:
   - LEAVE ON SITE UNUSED CARPET PIECES OVER 4m² AND 1m IN LEAST DIMENSION.
5. MAINTAIN MIN. TEMPERATURE OF 18°C IN INSTALLATION AREAS FOR AT LEAST 48 HOURS PRIOR TO, DURING AND 48 HOURS AFTER INSTALLATION.
6. CARPET:
   - REFER TO FINISH SCHEDULE ON DRAWINGS FOR CARPET TYPES AND COLOURS.
7. CARPET AND SEAMING ADHESIVE:
   - HIGHEST QUALITY "ZERO VOC" TYPE MANUFACTURED BY CHEMBOND, MAPEI, PARABOND OR ROBERTS, AND AS RECOMMENDED BY CARPET MANUFACTURER.
   - ADHESIVE SHALL CONTAIN NO MORE THAN TRACE AMOUNTS OF VOC'S, CALCULATED PER VOLUME OF MATERIAL LESS WATER, AND NO AMMONIA OR GLYCOL.
8. CARPET EDGE GUARDS:
   - TYPE: NON-METALLIC, EXTRUDED OR MOLDED HEAVY-DUTY RUBBER "T" SHAPE CAP INSERT
   - MIN. 50mm WIDE EXTRUDED ALUMINUM ANCHORAGE FLANGE
   - PROFILED TO ACCEPT CAP.
   - COLOUR SELECTED BY ARCHITECT AND / OR DESIGN CONSULTANT.
9. INSPECT SUBSTRATES AND VERIFY SUBSTRATE SURFACES ARE SATISFACTORY BEFORE BEGINNING WORK OF THIS SECTION. ENSURE SURFACES ARE REASONABLY LEVEL, SMOOTH, AND FREE OF GREASE, WAX, AND OTHER FOREIGN MATTER. FOR DIRECT GLUE DOWN INSTALLATION, ENSURE MIN. SUBSTRATE TEMPERATURE IS 18°C.
10. VACUUM SUBSTRATE TO REMOVE DUST AND OTHER SMALL PARTICLES. FILL SMALL HOLES, CRACKS, DEPRESSIONS AND LOW SPOTS IN SUBSTRATE WITH TROWEL GRADE UNDERLAYMENT. TROWEL AND FLOAT TO PRODUCE A SMOOTH, FLAT SURFACE. ALLOW TO CURE PROPERLY.
11. TEST CEMENTITIOUS SUBSTRATE FOR POROSITY, MOISTURE CONTENT AND ALKALINITY.
12. UNROLL CARPET IN AREA OF INSTALLATION AND ALLOW SUFFICIENT TIME FOR CARPET TO RELAX AND STABILIZE AT AMBIENT TEMPERATURE AND HUMIDITY PRIOR TO INSTALLATION.
13. INSTALL CARPET AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS SPECIFIED.
14. INSTALL EDGE GUARDS WHERE CARPET TERMINATES AT OTHER FLOOR FINISHES AND WHERE INDICATED.
15. FOLLOW CARPET MANUFACTURER'S RECOMMENDATIONS FOR ALL CLEANING PROCEDURES.
16. REMOVE EXCESS ADHESIVE FROM CARPET FACE, ACCESSORIES AND ADJACENT SURFACES. VACUUM CLEAN CARPET AND WIPE ACCESSORIES CLEAN AFTER INSTALLATION AND AS SOON AS TRAFFIC IS ALLOWED AND DURING FINAL CLEANING OF BUILDING.

PAINTING:

1. DELIVER EXTRA MATERIALS FROM SAME PRODUCTION RUN AS PRODUCTS INSTALLED. PACKAGE PRODUCTS WITH PROTECTIVE COVERING AND IDENTIFY WITH DESCRIPTIVE LABELS.
2. QUANTITY:
   - PROVIDE (1) ONE LITER CAN OF EACH TYPE AND COLOUR OF FINISH COATING. IDENTIFY COLOUR AND PAINT TYPE IN RELATION TO ESTABLISHED COLOUR SCHEDULE AND FINISH SYSTEM FOR CLIENT / OWNER.
3. PROVIDE AND MAINTAIN DRY, TEMPERATURE CONTROLLED, SECURE STORAGE.
4. STORE MATERIALS AND SUPPLIES AWAY FROM HEAT GENERATING DEVICES.
5. STORE MATERIALS AND EQUIPMENT IN WELL VENTILATED AREA WITH TEMPERATURE RANGE 7°C TO 30°C.
6. USE ONLY LOW VOC APPROVED PAINT PRODUCTS.
7. PROVIDE PAINT MATERIALS FOR PAINT SYSTEMS FROM SINGLE MANUFACTURER.
8. CONFORM TO LATEST MPI REQUIREMENTS FOR INTERIOR AND EXTERIOR PAINTING WORK INCLUDING PREPARATION AND PRIMING.
9. PROVIDE COLOURS AS INDICATED IN THE FINISH SCHEDULE.
10. SECOND COAT IN THREE COAT SYSTEM TO BE TINTED SLIGHTLY LIGHTER COLOUR THAN TOP COAT TO SHOW VISIBLE DIFFERENCE BETWEEN COATS.
11. COMPLIANCE:
    - COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS OR SPECIFICATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, HANDLING, STORAGE AND INSTALLATION INSTRUCTIONS, AND DATA SHEET.
12. PERFORM PREPARATION AND OPERATIONS FOR INTERIOR PAINTING IN ACCORDANCE WITH MPI ARCHITECTURAL PAINTING SPECIFICATIONS MANUAL AND REPAINTING MANUAL EXCEPT WHERE SPECIFIED OTHERWISE.
13. APPLY PAINT MATERIALS IN ACCORDANCE WITH PAINT MANUFACTURER'S WRITTEN APPLICATION INSTRUCTIONS.
14. WALLS:
    - NO DEFECTS VISIBLE FORM A DISTANCE OF 1,000mm AT 90 DEGREES TO SURFACE.
15. CEILINGS:
    - NO DEFECTS VISIBLE FROM FLOOR AT 45 DEGREES TO SURFACE WHEN VIEWED USING FINAL LIGHTING SOURCE.
16. FINAL COAT TO EXHIBIT UNIFORMITY OF COLOUR AND UNIFORMITY OF SHEEN ACROSS FULL SURFACE AREA.

METAL TOILET COMPARTMENTS:

1. INSTALL AS PER MANUFACTURER'S SPECIFICATION AND LOCAL BARRIER FREE REQUIREMENT.
2. SHEET STEEL:
   - COMMERCIAL GRADE
   - STRETCHER LEVELED
   - SHEET STEEL TO ASTM A653M_96
   - WITH Z275 ZINC COATING
3. MIN. STEEL THICKNESS:
   - PANELS AND DOORS: 0.8mm
   - PILASTERS: 1mm
   - REINFORCEMENT: 3mm
   - HEADRAILS: 1mm
4. HARDWARE MATERIAL:
   - CHROME-PLATED NON-FERROUS
   - DIE CAST ZINC ALLOY
5. HARDWARE SHALL OPERATE SMOOTHLY, QUIETLY AND CONSISTENTLY.
6. LATCH SET, DOOR BUMPER, BRACKETS:
   - MANUFACTURER'S STANDARD FOR TYPE OF PARTITIONS
7. HINGES SHALL BE ADJUSTABLE TO AUTOMATICALLY RETURN IN-SWINGING DOORS FROM ANY POSITION TO NOMINAL 30 DEGREES FROM CLOSED POSITION, AND SHALL RETURN OUT-SWINGING DOORS TO CLOSED POSITION.
8. HARDWARE FOR COMPARTMENTS DESIGNED FOR BARRIER-FREE ACCESS SHALL BE SUITABLE FOR PILASTER ORIENTATION INDICATED ON DRAWINGS AND SHALL CONFORM TO BARRIER-FREE DESIGN REQUIREMENTS OF THE CURRENT BUILDING CODE.
9. EACH TYPE OF HARDWARE ITEM SHALL BE CONSISTENT AS TO TYPE AND FINISH.
10. OVERHEAD BRACING:
    - EXTRUDED ALUMINUM WITH CLEAR ANODIZED FINISH.
11. FLOOR ANCHORAGE, INCLUDING FASTENERS:
    - CONCEALED:
      - STAINLESS STEEL.
    - EXPOSED:
      - STAINLESS STEEL.
      - NO. 4 OR NO. 6 FINISH.
12. ANCHORAGE CONCEALMENT:
    - STAINLESS STEEL SHEET.
    - TO CSA G110.6_1968.
    - TYPE 302.
    - POLISHED OR BRUSHED FINISH.
    - FORMED TO MANUFACTURER'S STANDARD PROFILE.
13. EXPOSED FASTENERS:
    - STAINLESS STEEL.
    - TAMPER-RESISTANT TYPE.
14. CONCEALED FASTENERS:
    - STAINLESS STEEL.
15. FABRICATE DOORS, PANELS AND PILASTERS OF SHEET STEEL FACES PRESSURE BONDED TO SOUND DEADENING CORE, TO MANUFACTURER'S STANDARD HEIGHTS AND TO PLAN DIMENSIONS AS INDICATED ON DRAWINGS.
16. COMPARTMENT DOOR WIDTHS:
    - MIN. 610mm (STANDARD).
    - MIN. 800mm (BARRIER-FREE).
17. DOOR, PANEL AND PILASTER THICKNESS:
    - DOORS AND PANELS:
      - MIN. 25mm.
    - PILASTERS:
      - MIN. 32mm.
18. PROVIDE FORMED AND CLOSED EDGES FOR DOORS, PANELS, HEADRAILS, AND PILASTERS. MITER AND WELD CORNERS AND GRIND SMOOTH.

WASHROOM ACCESSORIES:

1. INSTALL AS PER MANUFACTURER'S SPECIFICATION AND LOCAL BARRIER-FREE REQUIREMENT.
2. REFER TO DRAWINGS FOR LOCATION AND TYPE OF ACCESSORIES.

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REV. NO.	DESCRIPTION	DATE mm/dd/yyyy
1.	ISSUED FOR BUILDING PERMIT	09/15/2022
2.	REVISED BUILDING PERMIT	10/27/2022

ARCHITECTURAL CONSULTANTS - COMMERCIAL & RESIDENTIAL - COMPUTER DRAFTING

PROJECT

ALTA-FAB

84 CURRY DRIVE
YELLOWKNIFE, NT
X0E 0Y0

LEGAL ADDRESS

CLIENT

CVL ENGINEERS

MIKE OLESKIW
#101,18020 105 AVENUE N.W.,
EDMONTON, ALBERTA
T5S 2P1
PHONE: 780-982-8931

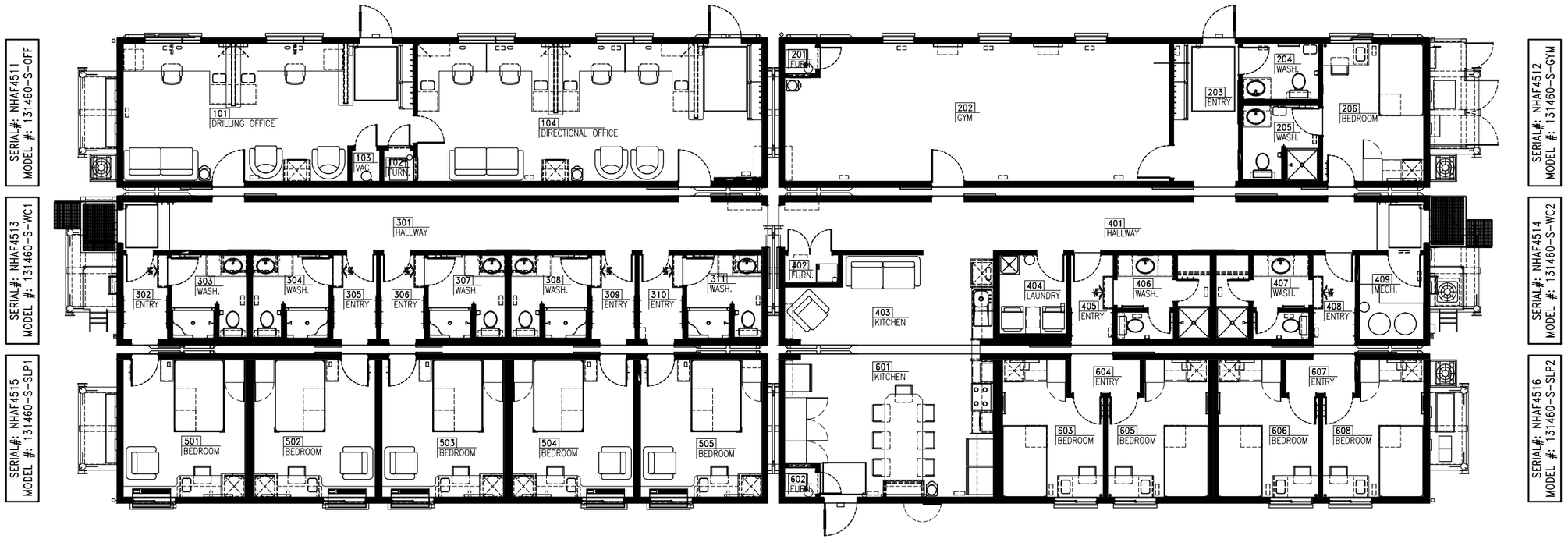
DRAWING

ARCHITECTURAL SPECIFICATIONS (4 OF 4)

FILE	DRAWN
22-645	ADS
DATE	SCALE
OCT. 27, 2022	AS NOTED

DRAWING NO.

A-6.4



1 / AR,??) OVERALL PLAN

SCALE: 3/32" = 1'-0"

☆ REVISIONS/ISSUE DATA

REV#	PAGE #'S	DESCRIPTION	DATE	BY

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CAD FILE:

WINALTA OILFIELD RENTALS – CNRL #2

INTEGRATED WELLSITE

BB-40

ENGINEER REFERENCE#:

SE [6-1460 IWS]

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REVISIONS/ISSUE DATA

REV#	DESCRIPTION	DATE	BY
1	ISSUED FOR CONSTRUCTION	JUNE 10, 2013	RC

SHEET TITLE: $(GET

DRAWN BY: MC, RC, BK

DATE: JUNE 10, 2013

CHECKED BY: –

SCALE: 3/32" = 1'-0"

APPROVED BY: KC

SHEET NO.: AR,??)

CAD FILE: A1 – OVERALL PLAN.dwg

INTERIOR FINISH CHART

ITEM	LOCATION	BRAND	MODEL	COLOR	PARTS #
Lino #1	See Floor Finish Page	Tarkett	Granit	Soft Fleece	770
Carpet #1	See Floor Finish Page	Omega	Gridiron III	Berliner Dom	5011-08
Gym Floor	Gym	Johnsonite	Triumph	Molten	733
Wall Finish #1	See Wall Finish Page	Vinyl Services Inc. (Vipco)		Artisan Suede	–
Ceiling Vinyl	Throughout	Vinyl Services Inc. (Vipco)		Adobe White	–
Rubber Basecove	Throughout	Johnsonite		Sable	42
Window Blinds	Throughout	Jackson		Granite	044
Door Slabs #1	Furnace Room	Pittsburgh Paints		Stonehenge	515-5
Door Jambs #1	Furnace Room	Pittsburgh Paints		Clamshell	516-6
Window Trim	Throughout	Pittsburgh Paints		Clamshell	516-6
Window Jamb Externsion	Throughout			Painted White to Match Window Jamb	418-6
Ceiling Trim	Office/Kitchen/Hallway	Pittsburgh Paints		Clamshell	516-6
Melamine #1	Throughout			Sunset	W366
Laminate #1	Throughout	Arborite		Jasper Brown Granit	P-285-CA
Countertop Reveals				Stained to match Sunset	
Steel Accessories	Throughout			Black – Powder Coated	
Steel Doorway Threshold	Throughout			Tan – Powder Coated	

EXTERIOR COLOR CHART

ITEM	COLOR	GUAGE
Exterior Door (Exterior Side)	Red	N/A
Exterior Door (Iinterior Side)	Bone White	N/A
Starter	Dark Red QC 250	26
Lower Sheets	Charcoal QC 306	26
Mid Band Trim	Black QC 262	30
Upper Sheets	Stone Grey QC 305	26
Upper Trim	Black QC 262	30
Fascia	Dark Red QC 250	26
Geo Sample Door	Charcoal QC 306	26
Shop Vac Enclosure Door	Charcoal QC 306	26
BBQ Box Door	Charcoal QC 306	26
Electrical Enclosure	Charcoal QC 306	26
Grinder Pump Access Door	Bone White	N/A

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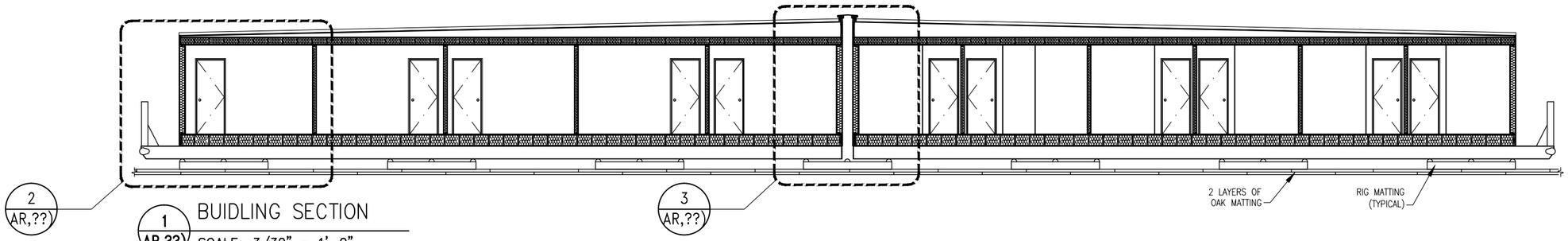
PAGE: AR,??)



1 AR,??) BUIDLING SECTION

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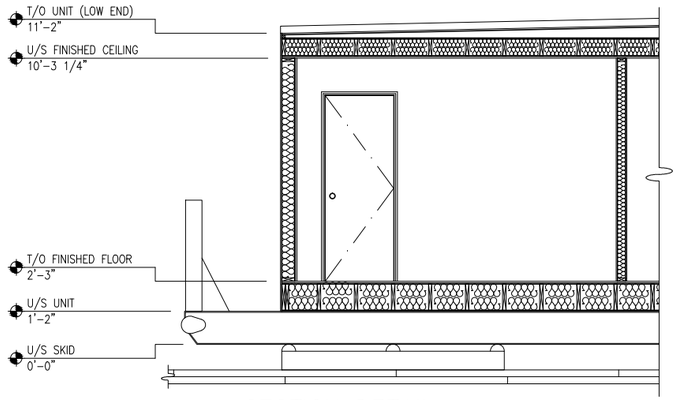
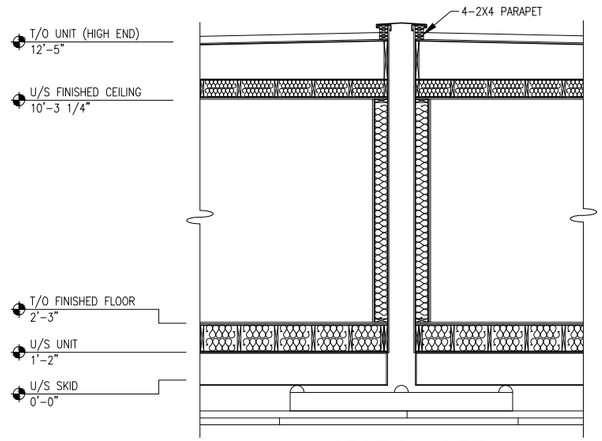


2 AR,??) SECTION DETAIL

SCALE: 3/16" = 1'-0"



3 AR,??) SECTION DETAIL

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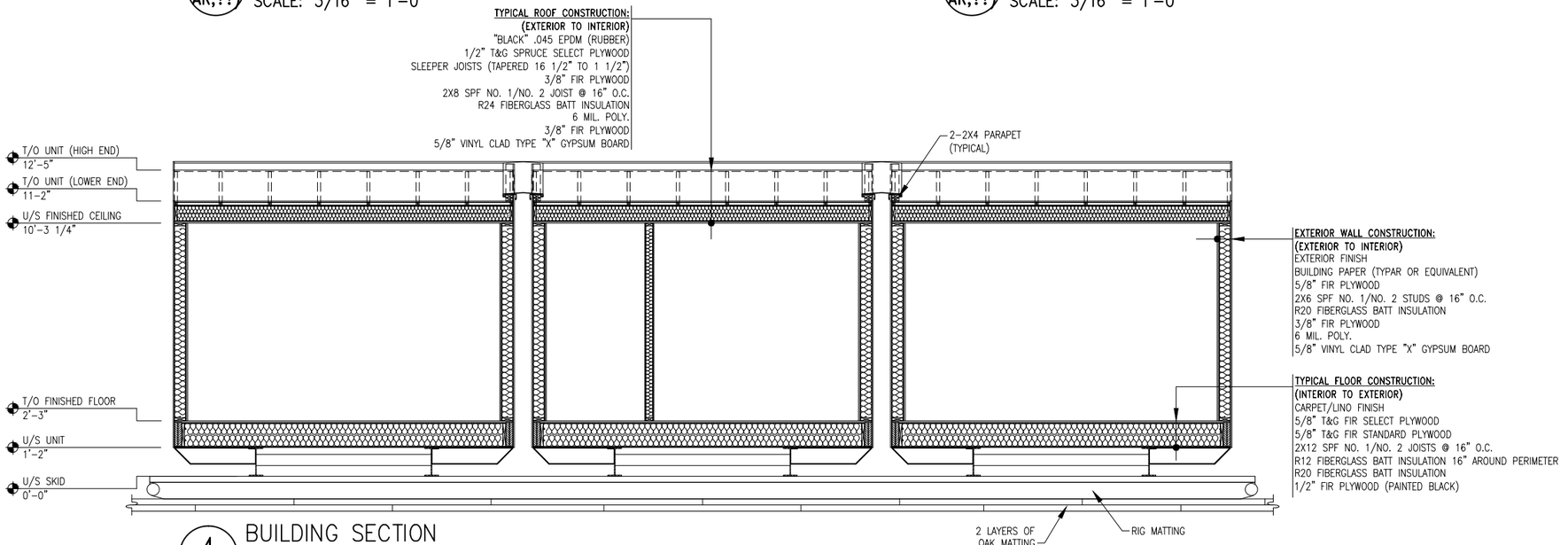

4 AR,??) BUILDING SECTION

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PLAN: $(GET

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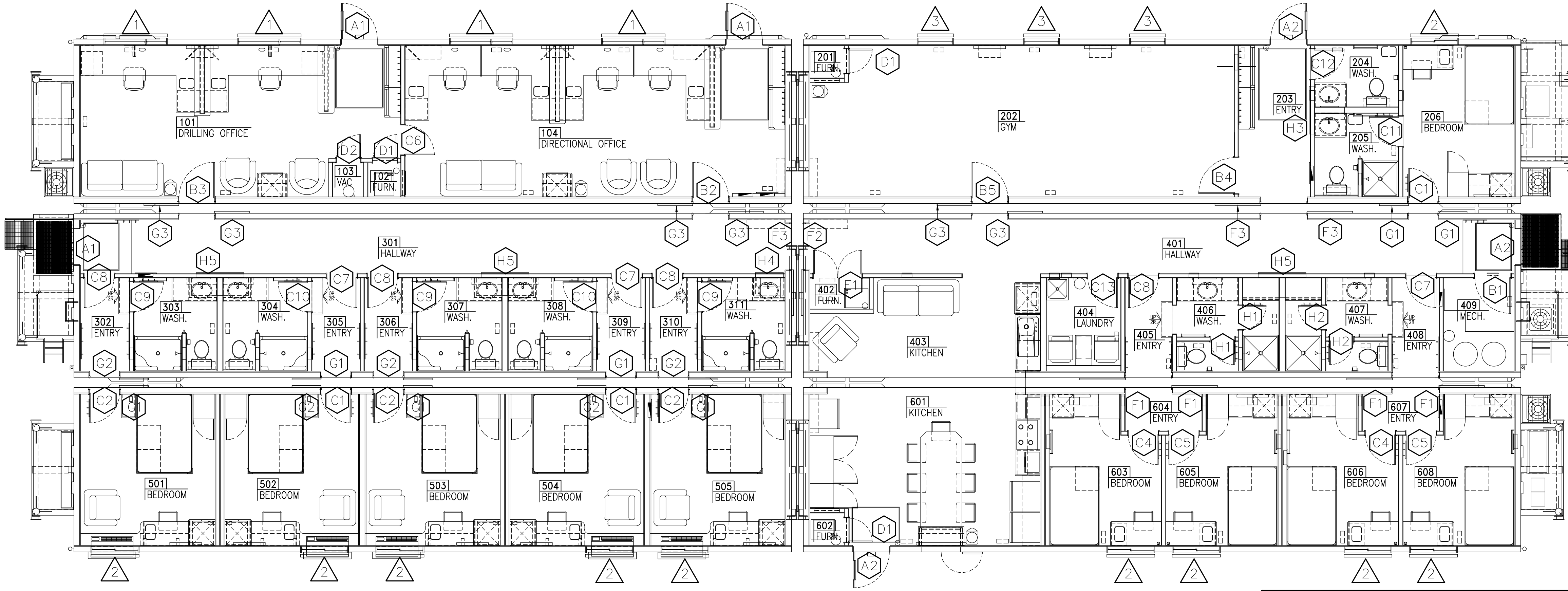

1 AR,??) DOOR & WINDOW PLAN
SCALE: 3/32" = 1'-0"

WINDOW SCHEDULE

ITEM NUMBER	QUANTITY	WINDOW SIZE	R.O. SIZE	MANUFACTURER	SLIDER	PICTURE	CASEMENT	SWING	BLIND	SHUTTER	SILL HEIGHT	LINTEL
1	6	64 X 40	63 3/4"W X 40"H	NORTHSTAR		●	●		●		38"	3-6x4
2	10	48 X 40	48 1/4"W X 40 3/8"H	NORTHSTAR	●				●		38"	3-2x4
3	3	36 X 72	36 3/8"W X 71 7/8"H	NORTHSTAR	●	●			●		8 7/8"	3-2x4

[1] WINDOW BLINDS TO BE METAL. [SEE COLOR CHART]

[2] ALL WINDOWS TO BE TRIPLE GLAZED.

DOOR SCHEDULE

ITEM NUMBER	QUANTITY	DOOR SIZE	R.O. SIZE	DOOR SWING	COLOR EXT.	COLOR INT.	MANUFACTURER	OAK DOOR(MIN)	MASONITE DOOR(MIN)	STEEL DOOR(MIN)	STEEL FRAME(MIN)	SOLID CORE	HOLLOW CORE	LITE	PASSAGE DOORSET	PRIVACY DOORSET	KEYED DOORSET	DEADBOLT [KEYED]	DEADBOLT [EXIT ONLY]	PANIC HARDWARE	PANIC HARDWARE [RIM CYLINDER]	PANIC HARDWARE [EXIT ONLY]	DOOR CLOSER	CHECK CHAIN	PUSH / PULL	FLIP-DOWN STOP	TP-44	TP-22	TRANSPORT DOOR BAR	SPECIFIC NOTES
A1	3	36 X 80	37 1/2"W X 80 1/4"H	RH	See Color Chart		AFS					●		●				●		●			●				●			C/W 20" X 20" LITE & KICKPLATE
A2	3	36 X 80	37 1/2"W X 80 1/4"H	LH	See Color Chart		AFS					●		●				●		●			●				●			C/W 20" X 20" LITE & KICKPLATE
B1	1	36 X 80	37 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●					●						●							"MECHANICAL" DECAL (WHITE)
B2	2	36 X 80	37 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●			●								●							
B3	2	36 X 80	37 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●			●								●							
B4	1	36 X 80	37 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●					●						●							
B5	1	36 X 80	37 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●						●							
C1	3	30 X 80	31 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●					●						●							
C2	3	30 X 80	31 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●						●							
C4	2	30 X 80	31 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●					●													
C5	2	30 X 80	31 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●													
C6	1	30 X 80	31 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●			●											●				
C7	3	30 X 80	31 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●					●													
C8	4	30 X 80	31 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●													
C9	5	30 X 80	31 1/4"W x 81 5/8"H. SILL @ 11 3/8"	LH	See Color Chart		WSI		20		90	●				●														
C10	4	30 X 80	31 1/4"W x 81 5/8"H. SILL @ 11 3/8"	RH	See Color Chart		WSI		20		90	●				●														
C11	1	30 X 80	31 1/4"W x 81 5/8"H. SILL @ 7 3/8"	RH	See Color Chart		WSI		20		90	●				●														
C12	1	30 X 80	31 1/4"W x 81 5/8"H. SILL @ 7 3/8"	LH	See Color Chart		WSI		20		90	●				●														"WASHROOM" DECAL (WHITE)
C13	1	30 X 80	31 1/4"W X 81"H	LH	See Color Chart		WSI		20		90	●			●															"LAUNDRY" DECAL (WHITE)
D1	3	24 X 80	25 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●						●							"FURNACE" DECAL (WHITE)
D2	1	24 X 80	25 1/4"W X 81"H	RH	See Color Chart		WSI		20		90	●					●						●							"VACUUM" DECAL (WHITE)
E1	1	48 X 80	49 3/4"W X 81 1/8"H	DD	See Color Chart		WSI		20		90	●					●						●							"FURNACE/COMMUNICATIONS" DECAL (WHITE) *SEE NOTE 3*
F1	4	46 1/2 X 84	48"W X 83 5/8"H	LH	See Color Chart		AFS						●																●	
F2	1	46 1/2 X 95	48"W X 94 3/4"H	RH	See Color Chart		AFS						●																●	
F3	3	46 1/2 X 95	48"W X 94 3/4"H	LH	See Color Chart		AFS						●																●	
G1	7	30 X 81 3/8	31 1/4"W X 81"H	LH	See Color Chart		AFS						●																●	
G2	5	30 X 81 3/8	31 1/4"W X 81"H	RH	See Color Chart		AFS						●																●	
G3	6	36 X 81 3/8	37 1/4"W X 81"H	LH	See Color Chart		AFS						●																●	
H1	2	24 X 80	25 1/4"W x 81 5/8"H. SILL @ 11 3/8"	LH	See Color Chart		WSI		20		90	●				●														
H2	2	24 X 80	25 1/4"W x 81 5/8"H. SILL @ 11 3/8"	RH	See Color Chart		WSI		20		90	●				●														
H3	1	39 X 20 1/4	41 1/4"W X 26"H		See Color Chart		AFS					** ACCESS DOOR FOR GRINDER PUMP **																		
H4	1	25 3/4 X 20 1/4	28"W X 26"H		See Color Chart		AFS					** ACCESS DOOR FOR GRINDER PUMP **																		
H5	3	45 3/4 X 20 1/4	48"W X 26"H		See Color Chart		AFS					** ACCESS DOOR FOR GRINDER PUMP **																		

[1] ALL INTERIOR DOOR HARDWARE TO BE RATED "VON DUPRIN" & "SCHLAGE". [2] ALL KEYED DOORSETS TO BE KEYED & MASTER KEYED.

[3] DOUBLE DOORS ARE REQUIRED TO HAVE RETURN AIR GRILLE C/W FIRE DAMPER (1280 CFM REQUIRED).

[4] CUT BACK THE JAMB FOR DOOR H3, H4 & H5.

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INTEGRATED WELLSITE

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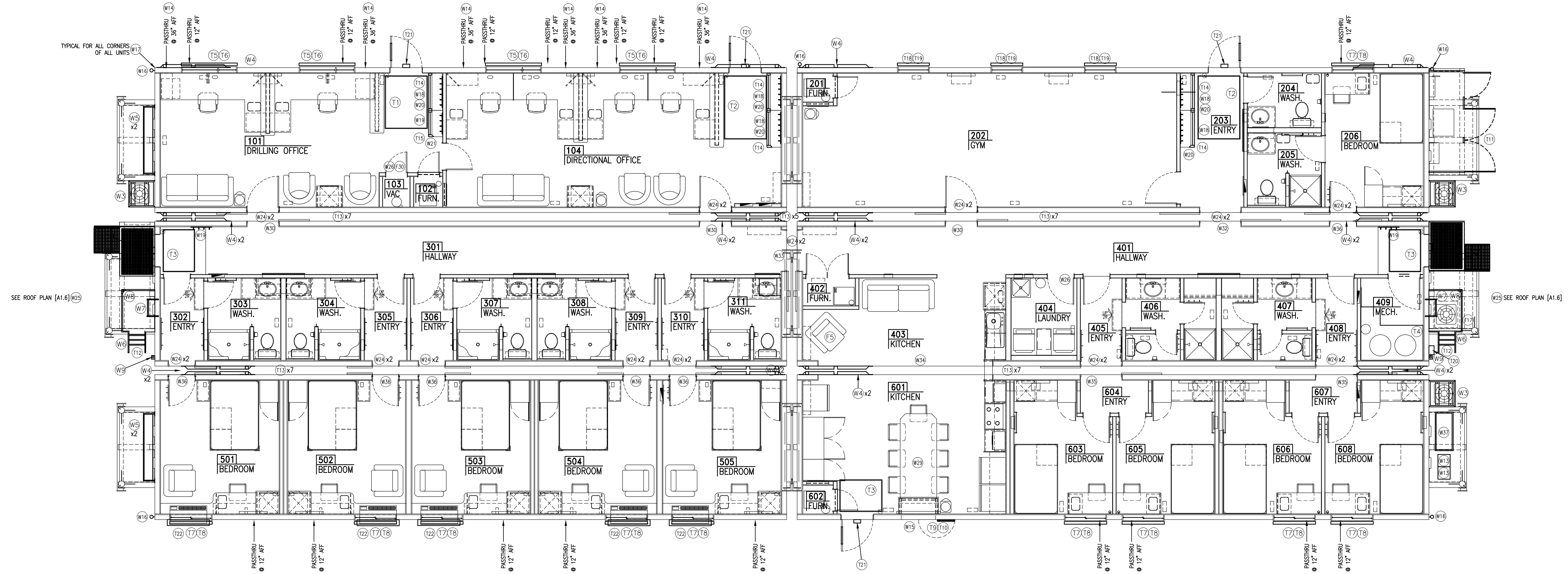

1 AR,?? EQUIPMENT PLAN

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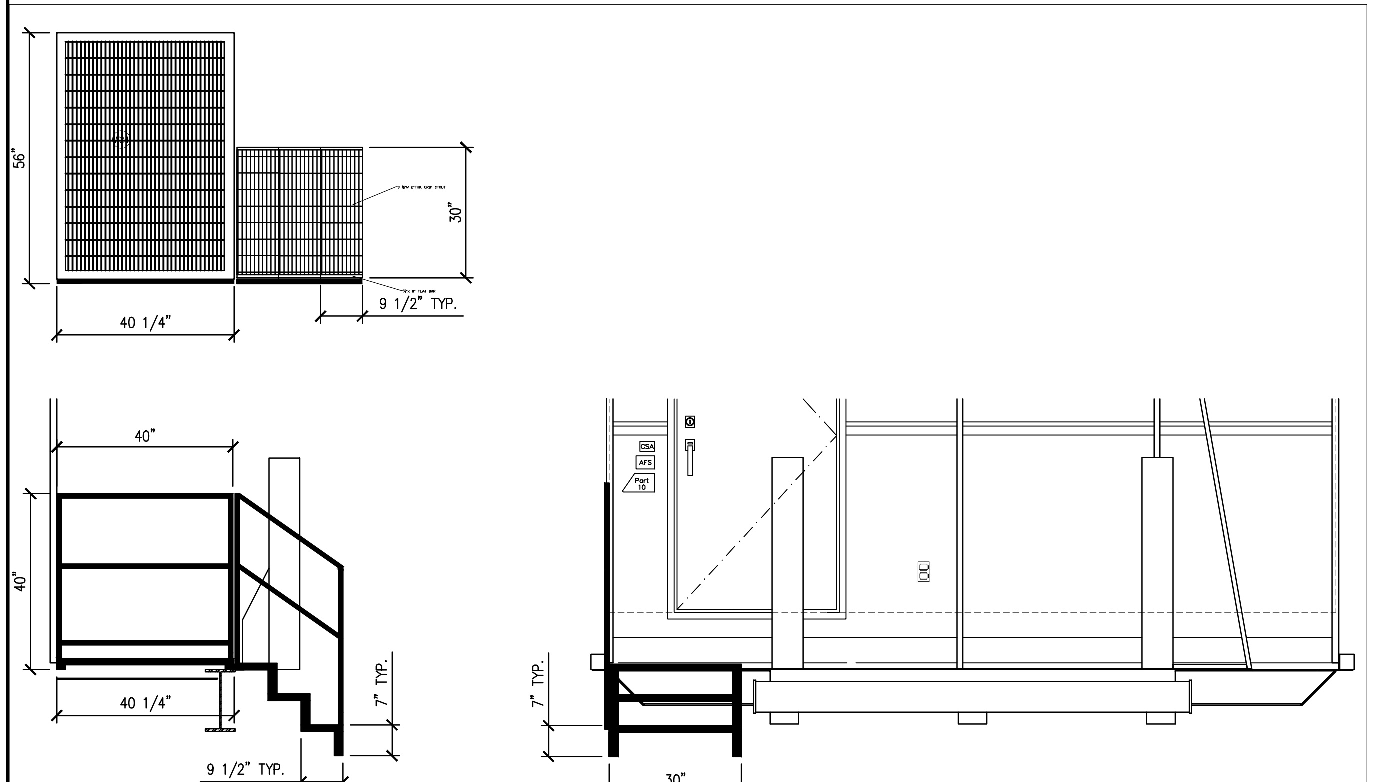

W27 PLATFORM WITH STEP DETAIL

(NOT SHOWN ON PLAN)

T# METAL COMPONENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
T1	1	48"W x 60"L x 5/8"H Recessed Metal Pan	–	NHAF	NHAF
T2	2	48"W x 72"L x 5/8"H Recessed Metal Pan	–	NHAF	NHAF
T3	3	24"W x 36"L x 5/8"H Recessed Metal Pan	–	NHAF	NHAF
T4	1	40"W/61"W x 70 3/4"L x 1 1/2"H Metal Drain Pan	22 Ga. Galv.	NHAF	NHAF
T5	4	ROLL SHUTTER for 64/40 Exterior Window	Grey	NHAF	NHAF
T6	4	Box Cover for 64/40 Roll Shutter	Dark Red	NHAF	NHAF
T7	10	ROLL SHUTTER for 48/40 Exterior Window	Grey	NHAF	NHAF
T8	10	Box Cover for 48/40 Roll Shutter	Dark Red	NHAF	NHAF
T9	1	40"W x 30"H Barbeque Shutter c/w Innerseal Gasket	Charcoal	NHAF	NHAF
T10	1	Barbeque Metal Drain Pan (Grease Tray)	22 Ga. Galv.	NHAF	NHAF
T11	1	Custom Transformer Enclosure *SEE DETAIL "4/A1.9"*	Charcoal	NHAF	NHAF
T12	2	Travel Restraint "Warning" Label	–	NHAF	NHAF
T13	33	10'-0"L Metal Roof Caps Above Unit-Unit (28 Qty for ±9 3/4" Spacing – 5 Qty for 12" Spacing).	Galvanized	NHAF	NHAF
T14	5	41 1/4"W x 15 1/2"D x 1"H Slide-Out Steel Boot Pan	–	NHAF	NHAF
T15	1	29 1/4"W x 15 1/2"D x 1"H Slide-Out Steel Boot Pan	–	NHAF	NHAF
T16					
T17	1	26 1/2"W x 30"D A/C Canopy *SEE DETAIL "3/A1.9"*	Bone White	NHAF	NHAF
T18	3	ROLL SHUTTER for 37/72 Exterior Window	Grey	NHAF	NHAF
T19	3	Box Cover for 36/72 Roll Shutter	Dark Red	NHAF	NHAF
T20	1	10"W x 6"D HWH Disconnect Canopy	Black	AFS	AFS
T21	6	8"W x 4"D HPS Light Canopy	Red	AFS	AFS
T22	5	48"W x 6 3/4"D PTAC Canopy	Lower Sheet (SEE COLOR CHART)	AFS	AFS
T23	1	20"W x 20"L x 1 1/2"H Metal Drain Pan	22 Ga. Galv.	NHAF	NHAF

W# WELDING COMPONENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
W1					
W2					
W3	3	30"W x 36"D A/C Stand (Mounted to Roof Header and Wall)	Black	NHAF	AFS
W4	20	7'-0"L Bumper Pad (3 1/2" D)	Black	NHAF	AFS
W5	4	75"L Storage Bracket	Black	NHAF	AFS
W6	2	38"W x 48"L Steel Platform c/w Angled Ladder & Handrail	Black	NHAF	AFS
W7	2	18"W Upper Platform Ladder c/w Slide-Down Roof Extensions	Black	NHAF	AFS
W8	2	Satellite Dish Mounting Bracket c/w T-Bolt (Welded to Platform)	Black	NHAF	AFS
W9	2	Wall Mount Satellite Dish Bracket (Bolted to Header)	Black	NHAF	AFS
W10	–	–	Black	NHAF	AFS
W11	–	–	Black	NHAF	AFS
W12	–	–	–	–	–
W13	2	14"W x 14"L x 20"H Wire Mesh Basket for 30 lbs LPG tank (Welded to Skid Checker Plate)	Black	NHAF	AFS
W14	6	8"W x 8"D Roof Mounted Radio Antenna Holder	Black	NHAF	AFS
W15	1	Barbeque Swivel Base (Right Hand Swing)	Black	NHAF	AFS
W16	5	Extending Cord Post (Weld to Corner Protection Angle) c/w Yard Light Pocket 2"ø x 6"H	Black	NHAF	AFS
W17	24	1 1/2" x 1 1/2" Corner Protection Angle (Full Height)	Black	NHAF	AFS
W18	5	6 Hook, 36"L Double Steel Coat Hook	Tan	NHAF	AFS
W19	3	4 Hook, 24"L Double Steel Coat Hook	Tan	NHAF	AFS
W20	5	16"W x 42"L Steel Boot Rack	Tan	NHAF	AFS
W21	1	16"W x 30"L Steel Boot Rack	Tan	NHAF	AFS
W22					
W23					
W24	26	Steel Transport Door Latches	Black	NHAF	AFS
W25	2	Set – "Travel Restraint" bracket and wire rope system *SEE ROOF PLAN A1.6 FOR LOCATION*	"Safety Yellow"	NHAF	AFS
		2-Steel "End" Brackets, 1-Steel "Ctr Pass Thru" Bracket, 1-full length 1/4"ø wire rope guide			
W26	2	Door Mounted Metal Vacuum Hose Holder	Tan	NHAF	AFS
W27	2	40 1/4"W x 56"L Platform c/w 30"W Fold up Steps	"Safety Yellow"	AFS	AFS
W28					
W29	1	Welded Table Base Support (Table Size: 41 3/4"W x 96"L @30"H)	Tan	NHAF	AFS
W30	3	32 1/2"W x 21"D Steel Doorway Threshold	Carpet #1	AFS	AFS
W31					
W32	1	43"W x 21"D Steel Doorway Threshold	Carpet #1	AFS	AFS
W33	1	43"W x 24"D Steel Doorway Threshold	Carpet #1	AFS	AFS
W34	1	185 1/2"W x 22"D Steel Doorway Threshold (Custom Aluminum)	Lino #1	AFS	AFS
W35	2	43"W x 21"D Steel Doorway Threshold	Carpet #1	AFS	AFS
W36	5	26 1/2"W x 21"D Steel Doorway Threshold	Carpet #1	AFS	AFS
W37	1	48"W X 28"D Steel Storage Box (See Detail on Skid/Welding Detail Page) c/w Support for Power Vent	Black	AFS	AFS

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PROJECT: WINALTA OILFIELD RENTALS – CNRL #2 INTEGRATED WELLSITE

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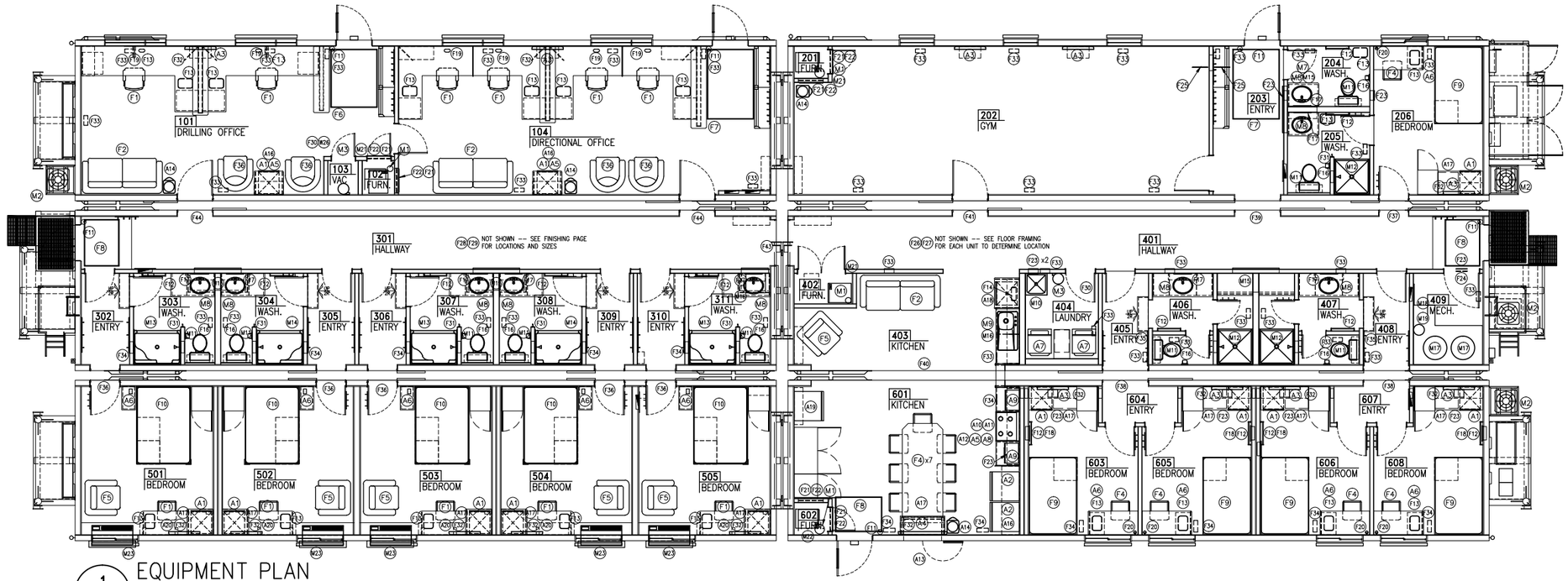

1 AR,??

EQUIPMENT PLAN

SCALE: 3/32" = 1'-0"

(M#) MECHANICAL EQUIPMENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
(M1)	4	"Intertherm" (#E2EB017HB) 17 kW 3 Phase Electric Furnace	–	NHAF	NHAF
(M2)	4	"Intertherm" 2.5 Ton Split System Air Conditioner c/w A-Coil	–	NHAF	NHAF
(M3)	2	"Beam" Built-In Vacuum System (c/w 2-Outlets)	–	NHAF	NHAF
(M4)					
(M5)					
(M6)					
(M7)	1	Eyewash Station (Left Hand)	–	NHAF	NHAF
(M8)	9	"Gerber" Ceramic Lavatory	White	NHAF	NHAF
(M9)	1	"Kindred" [LBSDBR6810P-1] Single Cell Sink with Side Drainboard c/w 8" Double Deckset	Stainless Steel	NHAF	NHAF
(M10)	1	22" x 22" Plastic Laundry Sink c/w HOT/COLD Taps & "Y" Hose	White	NHAF	NHAF
(M11)	9	"Gerber" Low Usage Water Closet	White	NHAF	NHAF
(M12)	3	"Mytec" 36" x 36" Fiberglass Shower Stall c/w Curtain	White	NHAF	NHAF
(M13)	3	"Mytec" 48" x 36" Fiberglass Shower Stall (Right Hand Seat) c/w Curtain	White	NHAF	NHAF
(M14)	2	"Mytec" 48" x 36" Fiberglass Shower Stall (Left Hand Seat) c/w Curtain	White	NHAF	NHAF
(M15)	4	"Sanitto" [Sanicubic 2] Two Motor 1HP Heavy Duty Grinder Pump	–	AFS	AFS
(M16)	2	"Sanitto" [Sanicubic 1] One Motor 1HP Heavy Duty Grinder Pump	–	AFS	AFS
(M17)	2	"A.O. Smith" [DVE-120] 119 Gal. 24 kW 480V 3 Phase Electric Hot Water Tank	–	NHAF	NHAF
(M18)	1	"Flex-Lite" [FL 7] 22 Gal. Expansion Tank	–	NHAF	NHAF
(M19)	1	"Grundfos" [UPS 15-35 SFC] Re-circulating Pump	–	NHAF	NHAF
(M20)					
(M21)	3	6"ø Fresh-Air Bucket	–	NHAF	NHAF
(M22)	1	10"ø Fresh-Air Bucket	–	NHAF	NHAF
(M23)	5	PTAC Unit c/w Wall Mount Thermostat	–	–	–

(A#) APPLIANCE EQUIPMENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
(A1)	12	4.3 Cu. Ft. Under Counter Refrigerator	Black	NHAF	NHAF
(A2)	2	"Frigidaire" (18.0 Cu. Ft.) Refrigerator	Black	NHAF	NHAF
(A3)	9	32" LCD TV	–	NHAF	NHAF
(A4)	1	55" LCD TV	–	NHAF	NHAF
(A5)	3	Coffee Maker	Black	NHAF	NHAF
(A6)	10	Bedside Alarm Clock	–	NHAF	NHAF
(A7)	2	"Maytag" [YMET3800W] 27"W Washer/Dryer (240V)		NHAF	NHAF
(A8)	1	Toaster Oven	Black	NHAF	NHAF
(A9)	2	1.0 Cu. Ft. Microwave Oven	Black	NHAF	NHAF
(A10)	1	"Crosley" [CRE3530LB] 30"W Residential Style Electric Stove c/w Oven	Black	NHAF	NHAF
(A11)	1	Range Hood Fan	Black	NHAF	NHAF
(A12)	1	Manual Can Opener	–	NHAF	NHAF
(A13)	1	LPG Fired Barbeque c/w Brush & Chain	Black	NHAF	NHAF
(A14)	4	Floor Standing Water Cooler	–	NHAF	NHAF
(A15)					
(A16)	3	Ipod Docking Station c/w Speakers & CD Player	–	NHAF	NHAF
(A17)	11	Blu-Ray Player	–	NHAF	NHAF
(A18)	1	"Crosley" Built-In Dishwasher CDB350NB	Black	NHAF	NHAF
(A19)	1	"Frigidaire" (18.0 Cu. Ft.) All Freezer	Black	AFS	AFS
(A20)	5	40" LCD TV	–	NHAF	NHAF

(F#) FURNISHING EQUIPMENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
(F1)	11	Leather, High Back Swivel Chair	Black	NHAF	NHAF
(F2)	3	"Palliser" (Berkley) Recliner Type Leather Sofa	Black	NHAF	NHAF
(F3)					
(F4)	12	Vinyl Covered Sled Base Chair (Style #902)	Black	NHAF	NHAF
(F5)	6	Recliner Type Leather Chair	Black	NHAF	NHAF
(F6)	1	48"W x 60"L Vinyl Floor Mat	Black	NHAF	NHAF
(F7)	2	48"W x 72"L Vinyl Floor Mat	Black	NHAF	NHAF
(F8)	3	36"W x 48"L Vinyl Floor Mat	Black	NHAF	NHAF
(F9)	5	48"W x 78"L "Pillow-Top" Mattress	–	NHAF	NHAF
(F10)	5	54"W x 78"L "Pillow-Top" Mattress	–	NHAF	NHAF
(F11)	6	5 lbs. ABC Fire Extinguisher	Red	NHAF	NHAF
(F12)	13	24"L Towel Bar	Chrome	NHAF	NHAF
(F13)	18	Garbage Can	Black	NHAF	NHAF
(F14)	1	Paper Towel Holder	Chrome	NHAF	NHAF
(F15)					
(F16)	9	Toilet Paper Holder (Single)	Chrome	NHAF	NHAF
(F17)	9	18"W x 24"H Mirror c/w California Clips	–	NHAF	NHAF
(F18)	4	16"W x 22"H Recessed Medicine Cabinet c/w Mirrored Door (14"W x 18"H Rough Opening)	–	NHAF	NHAF
(F19)	6	6 1/2" x 3" "Cable Entry Plug" Plastic Ring	Black	NHAF	NHAF
(F20)	5	2 3/8"ø Grommet	Black	NHAF	NHAF
(F21)	6	24"W x 10"H Return-Air Grille	White	NHAF	NHAF
(F22)	6	24"W x 10"H Fire Damper c/w Sleeve	–	NHAF	NHAF
(F23)	10	10"W x 8"H Return-Air Grille	White	NHAF	NHAF
(F24)	1	10"W x 8"H Fire Damper c/w Sleeve	–	NHAF	NHAF
(F25)	2	16"W x 8"H Return-Air Grille	White	NHAF	NHAF
(F26)	31	4" x 10" Heat Register (Not Shown on Plan)	White	NHAF	NHAF
(F27)	7	4" x 12" Heat Register (Not Shown on Plan)	White	NHAF	NHAF
(F28)	Lot	Bulletin Board	Wall Finish#1	NHAF	NHAF
(F29)	Lot	Whiteboard c/w Pen & Velcro Fastener (NO TRAY)	White	NHAF	NHAF
(F30)	2	50" Vacuum Hose c/w Accessories (No Switch)	–	NHAF	NHAF
(F31)	5	Single Towel Hook	Chrome	NHAF	NHAF
(F32)	13	Wall Mounted Swivel (Swing Out) TV Bracket	–	NHAF	NHAF
(F33)	38	4x10 Heat Register	White	NHAF	NHAF
(F34)	12	4x12 Heat Register	White	NHAF	NHAF
(F35)	2	"Quartet" 18"W x 24"H Greyboard Access Panel	White	AFS	AFS
(F36)	4	Swivel Recliner Type Chair	Black	NHAF	NHAF
(F37)					

(F#) FURNISHING EQUIPMENT SCHEDULE

ITEM #	QTY.	DESCRIPTION	COLOR	INSTALLED BY	SUPPLIED BY
(F38)	5	15"W x 29 1/2"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	10	15"W x 80 1/2"L Sealskin Vinyl Side panel	Brown		
	10	7 3/4"W x 40"L Top/Bottom	Black		
	5	7 3/4"W x 81 1/2"L Side	Black		
	5	2 3/4"W x 81 1/2"L Side	Black		
(F39)	1	15"W x 29 1/2"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	15"W x 80 1/2"L Sealskin Vinyl Side panel	Brown		
	2	7 3/4"W x 40"L Top/Bottom	Black		
	2	5"W x 81 1/2"L Side	Black		
(F40)	2	15"W x 46 1/4"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	4	15"W x 83"L Sealskin Vinyl Side panel	Brown		
	4	7 3/4"W x 57"L Top/Bottom	Black		
	4	5"W x 84"L Side	Black		
(F41)	1	15"W x 46 1/4"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	15"W x 94"L Sealskin Vinyl Side panel	Brown		
	2	7 3/4"W x 59"L Top/Bottom	Black		
	2	5"W x 95"L Side	Black		
(F42)	1	19"W x 187"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	19"W x 93"L Sealskin Vinyl Side panel	Brown		
	2	7 3/4"W x 49"L Top/Bottom	Black		
	2	7 3/4"W x 93 1/2"L Side	Black		
(F43)	1	15"W x 35 1/2"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	15"W x 80 1/2"L Sealskin Vinyl Side panel	Brown		
	2	7 3/4"W x 46"L Top/Bottom	Black		
	2	5"W x 81 1/2"L Side	Black		
(F44)	1	18"W x 46 1/4"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	18"W x 94"L Sealskin Vinyl Side panel	Brown		
	2	11"W x 56 1/2"L Top/Bottom	Black		
	2	5 1/4"W x 95"L Side	Black		
	1	11"W x 95"L Side			
(F45)	2	15"W x 35 1/2"L Sealskin Vinyl Top Panel	Brown	AFS	AFS
	2	15"W x 80 1/2"L Sealskin Vinyl Side panel	Brown		
	4	7 3/4"W x 46"L Top/Bottom	Black		
	4	5"W x 81 1/2"L Side	Black		
(F46)	2	36"W 2-Drawer Legal/Locking Lateral Metal Filing Cabinet	–	AFS	AFS
(F47)	1	36"W x 65"H x 18"D 4-Drawer Metal Filing Cabinet	–	AFS	AFS

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CAD FILE: A1 – OVERALL PLAN.dwg

DATE: JUNE 10, 2013

SCALE: 3/32" = 1'-0"

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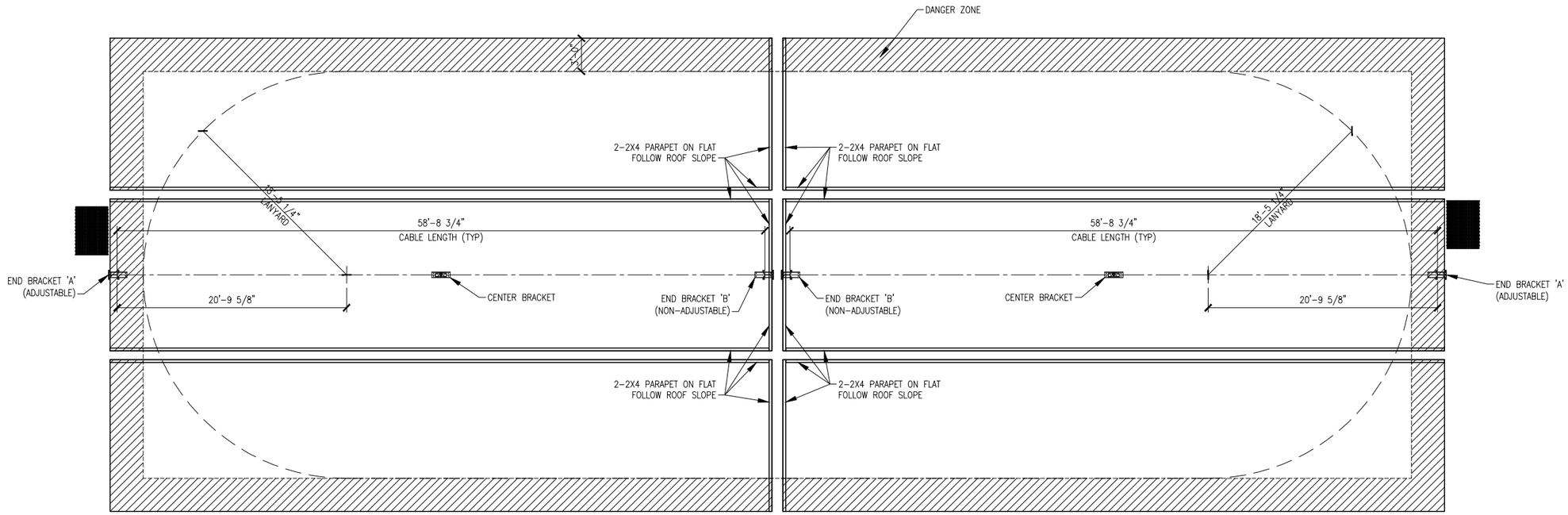

1 AR,??) EQUIPMENT PLAN

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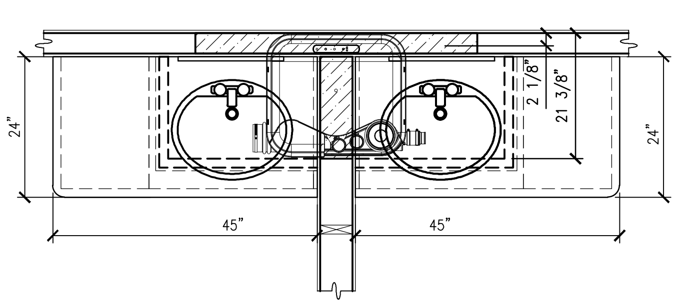

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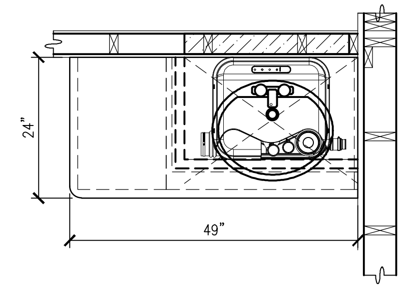

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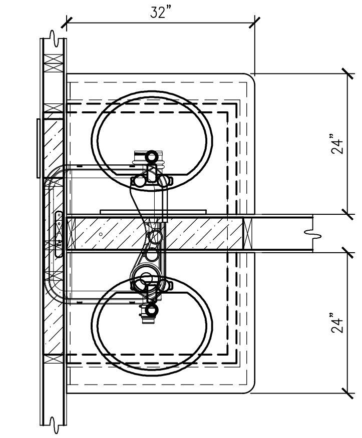

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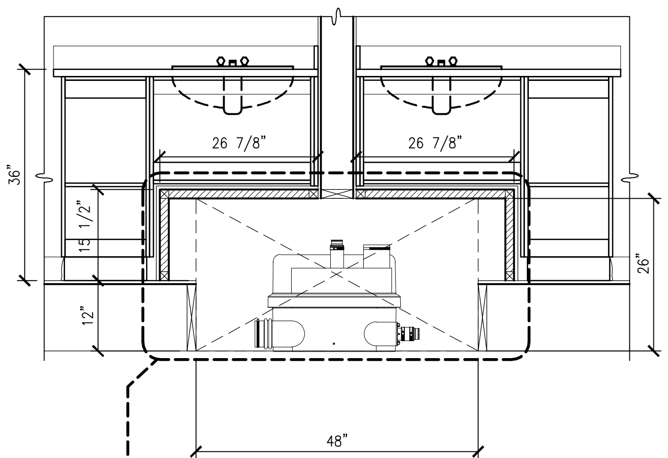

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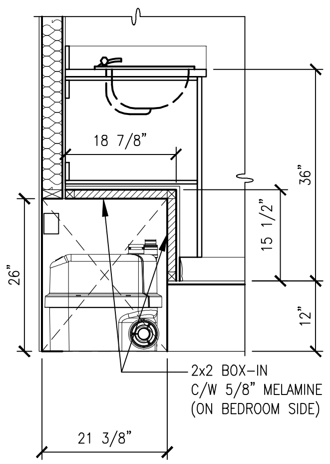
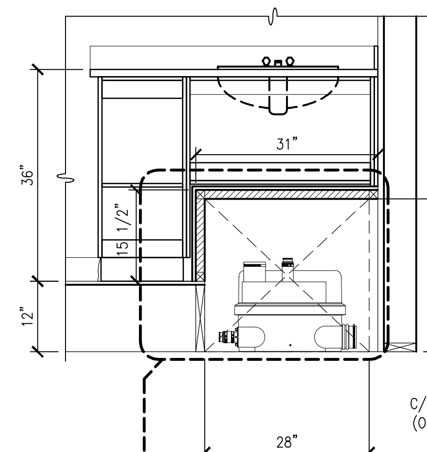


SIDE VIEW



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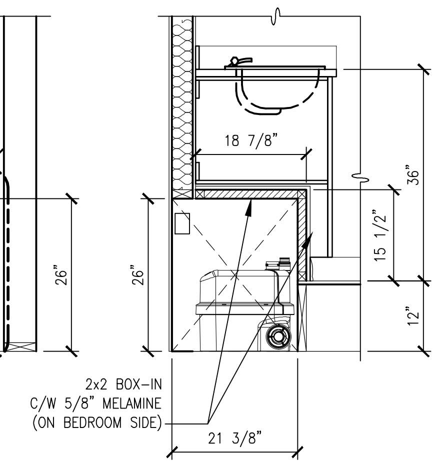

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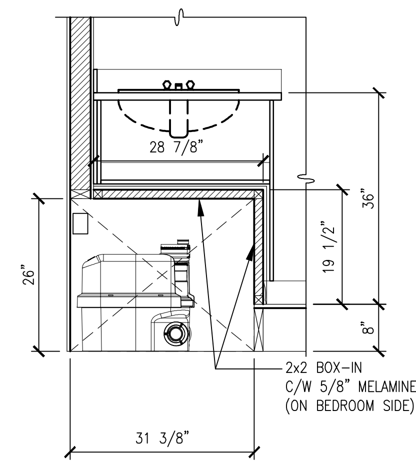

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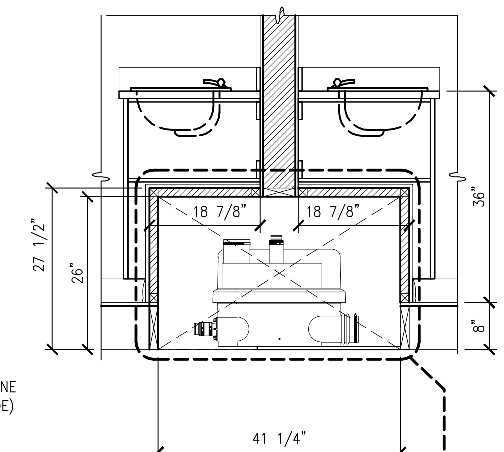
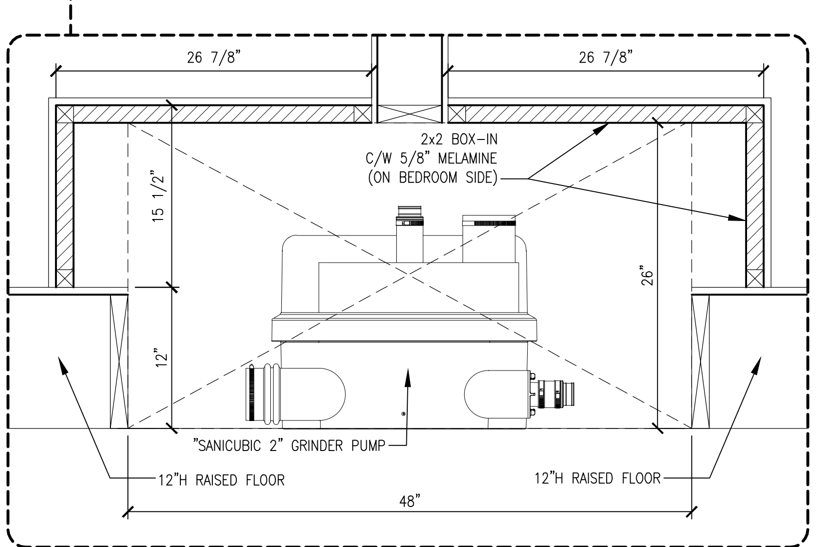


SIDE VIEW



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VANITY/GRINDER PUMP DETAIL

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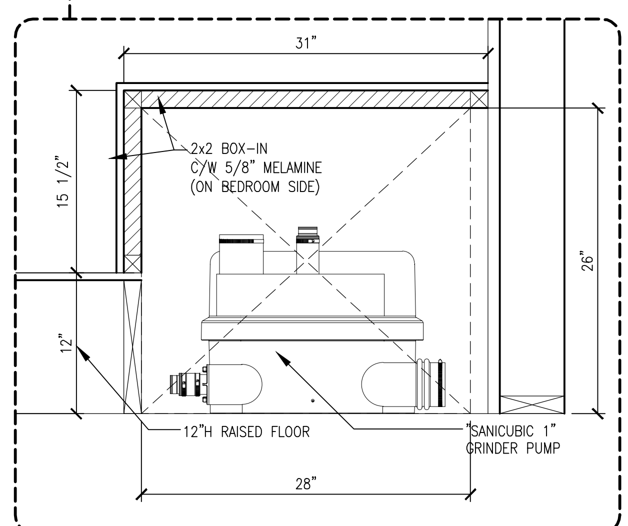

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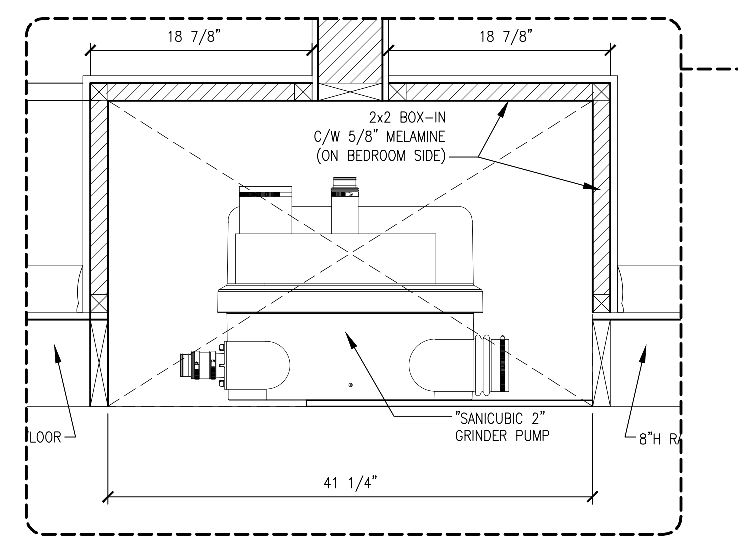

3
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VANITY/GRINDER PUMP DETAIL

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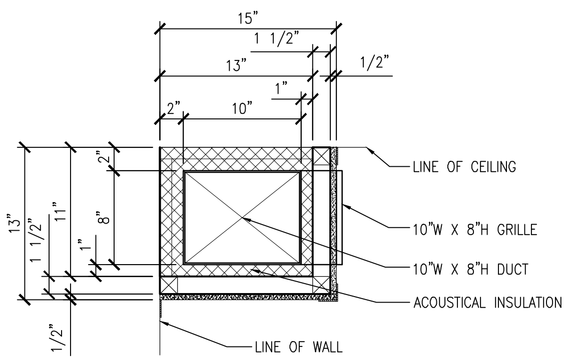
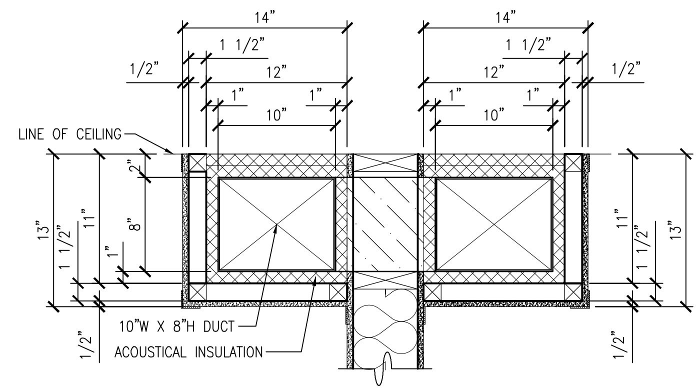


1 (AR,??) R/A BOX-IN DETAIL
SCALE: 3/4" = 1'-0"



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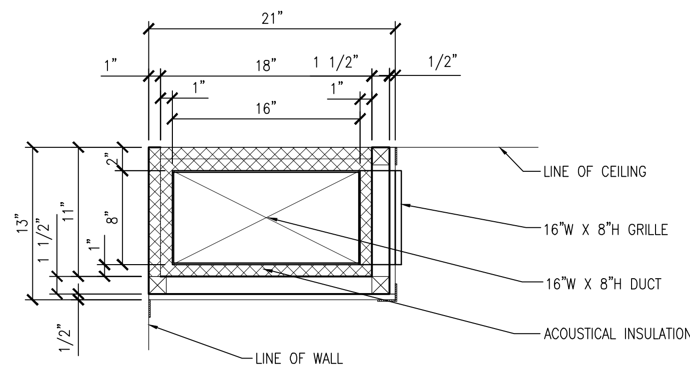

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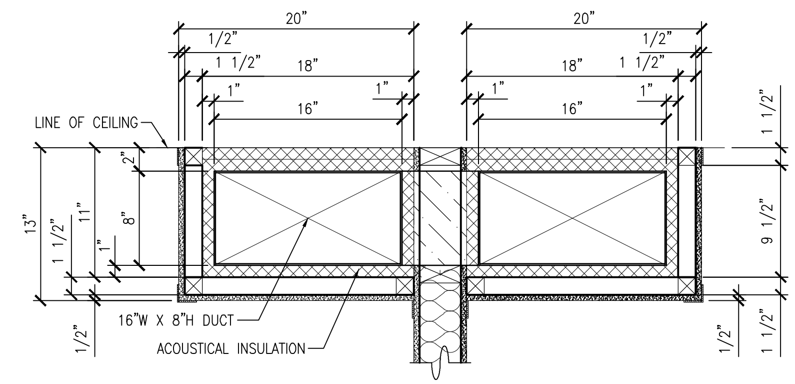

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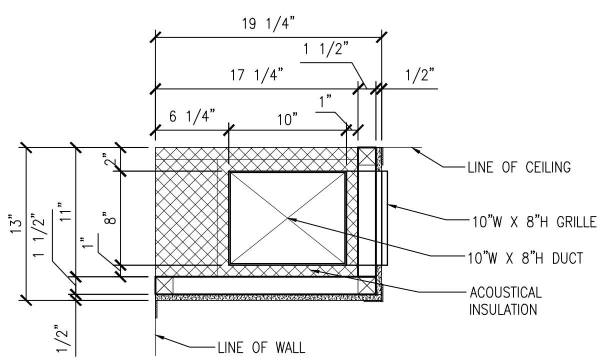

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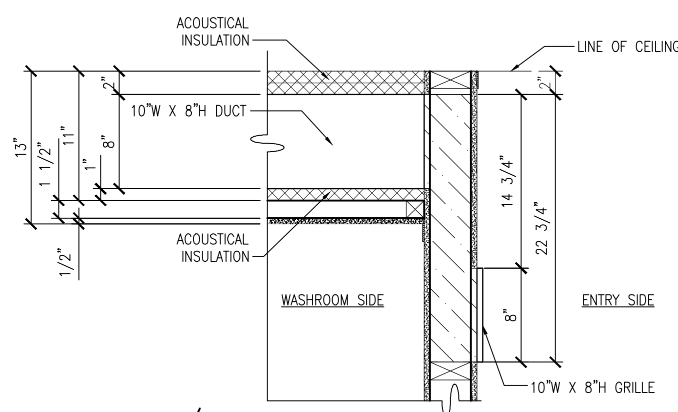

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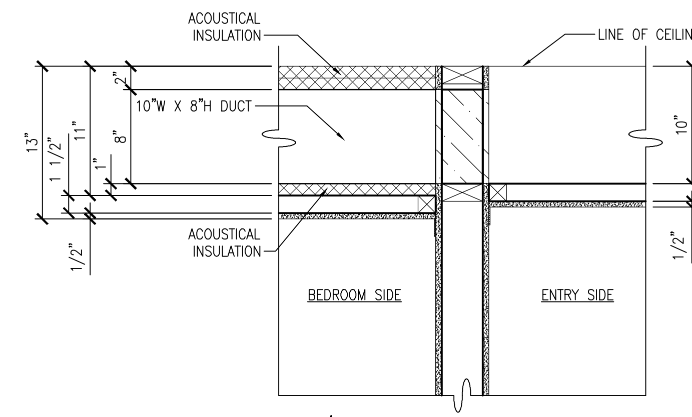

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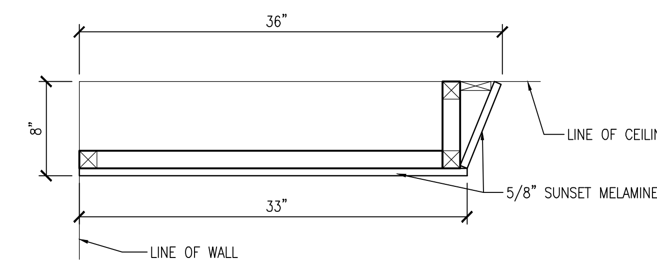

8 (AR,??) SUNSHINE CEILING DETAIL
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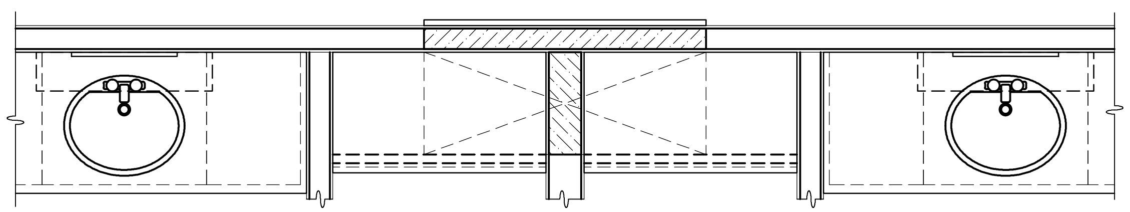
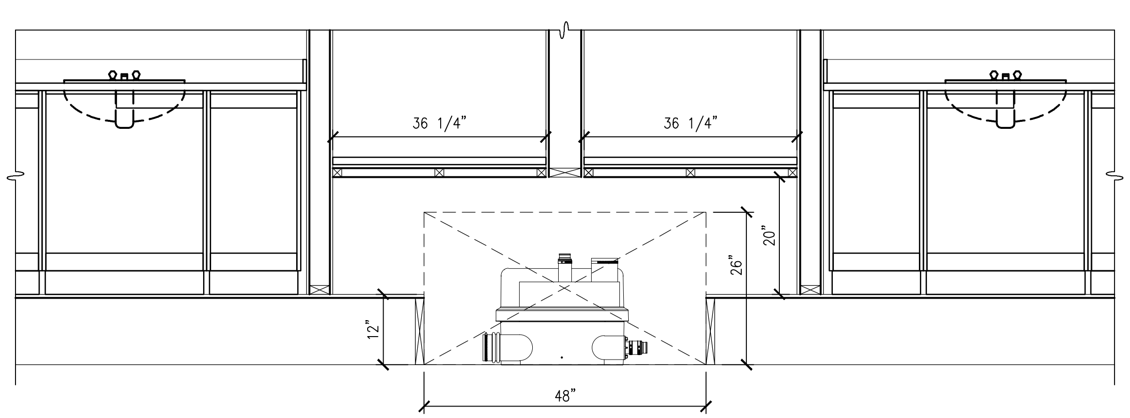
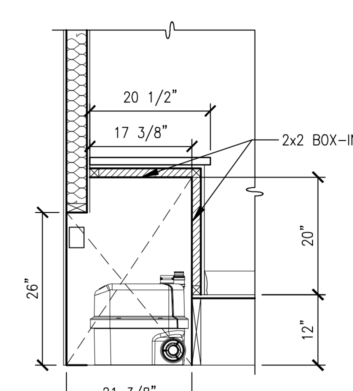


PLAN VIEW



FRONT VIEW



SIDE VIEW

9 (AR,??) VANITY/GRINDER PUMP DETAIL
SCALE: 3/4" = 1'-0"

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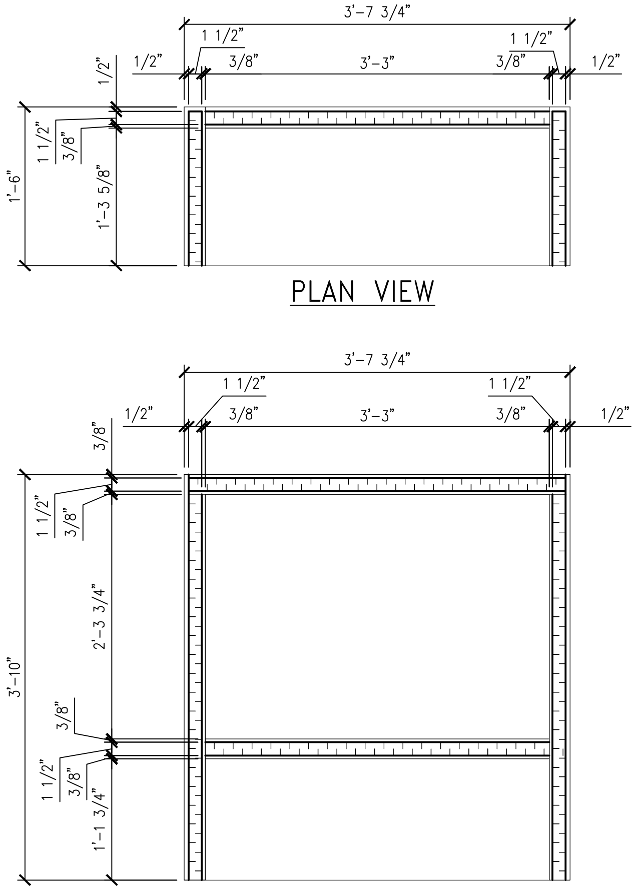
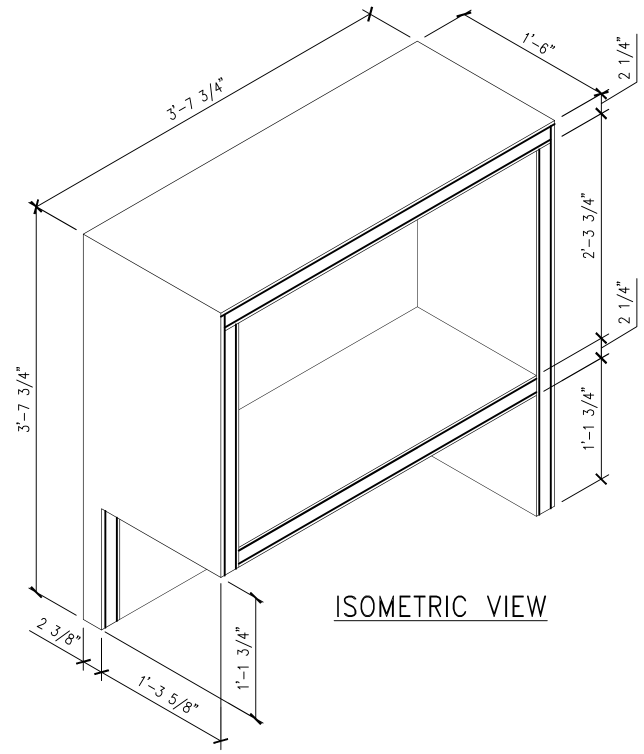


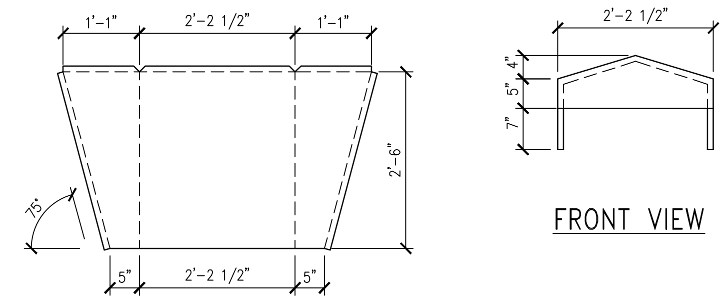


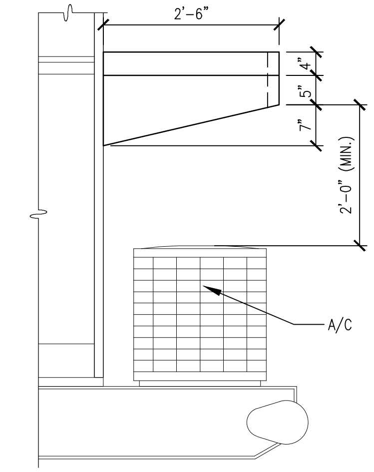
NOTE:
[1] TO BE C/W 2X2 CONSTRUCTION, 3/8" PLYWOOD & 1/2" GYPSUM BOARD
[2] BRACE SHELF W/ 2X4 AROUND PERIMETER
[3] TO BE C/W SPRAY FOAM INSULATION

1 BBQ BOX FRAME DETAIL

AR,??

SCALE: 5/8" = 1'-0"





3 A/C CANOPY DETAIL

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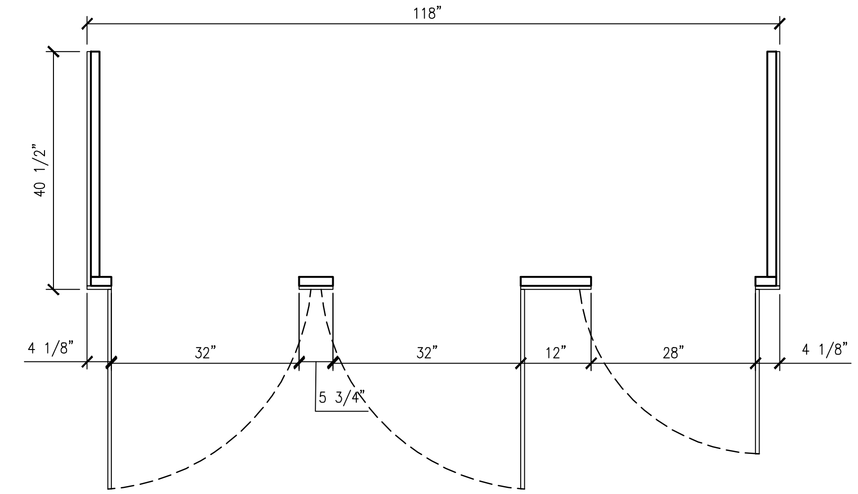
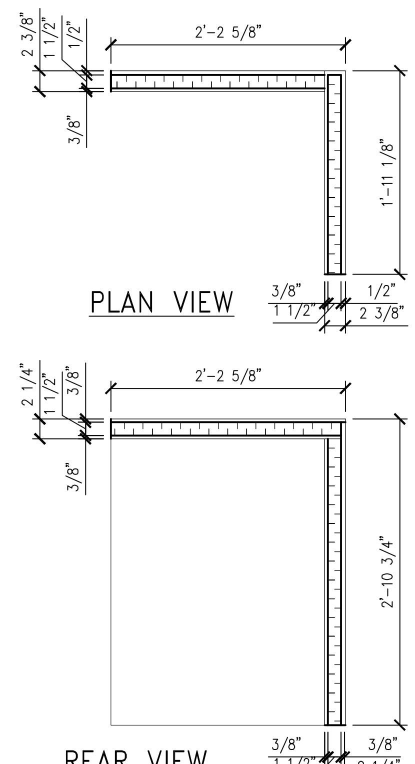
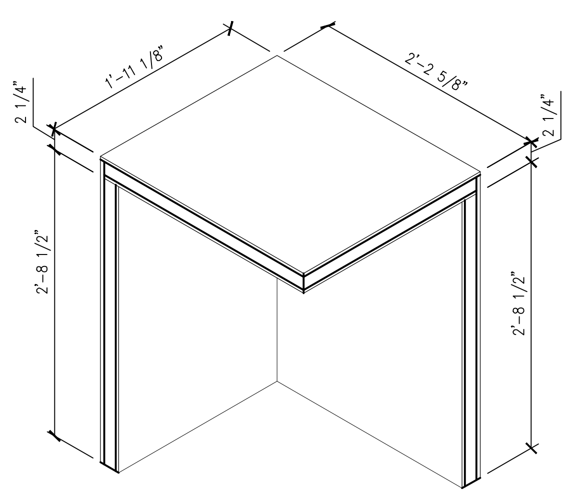




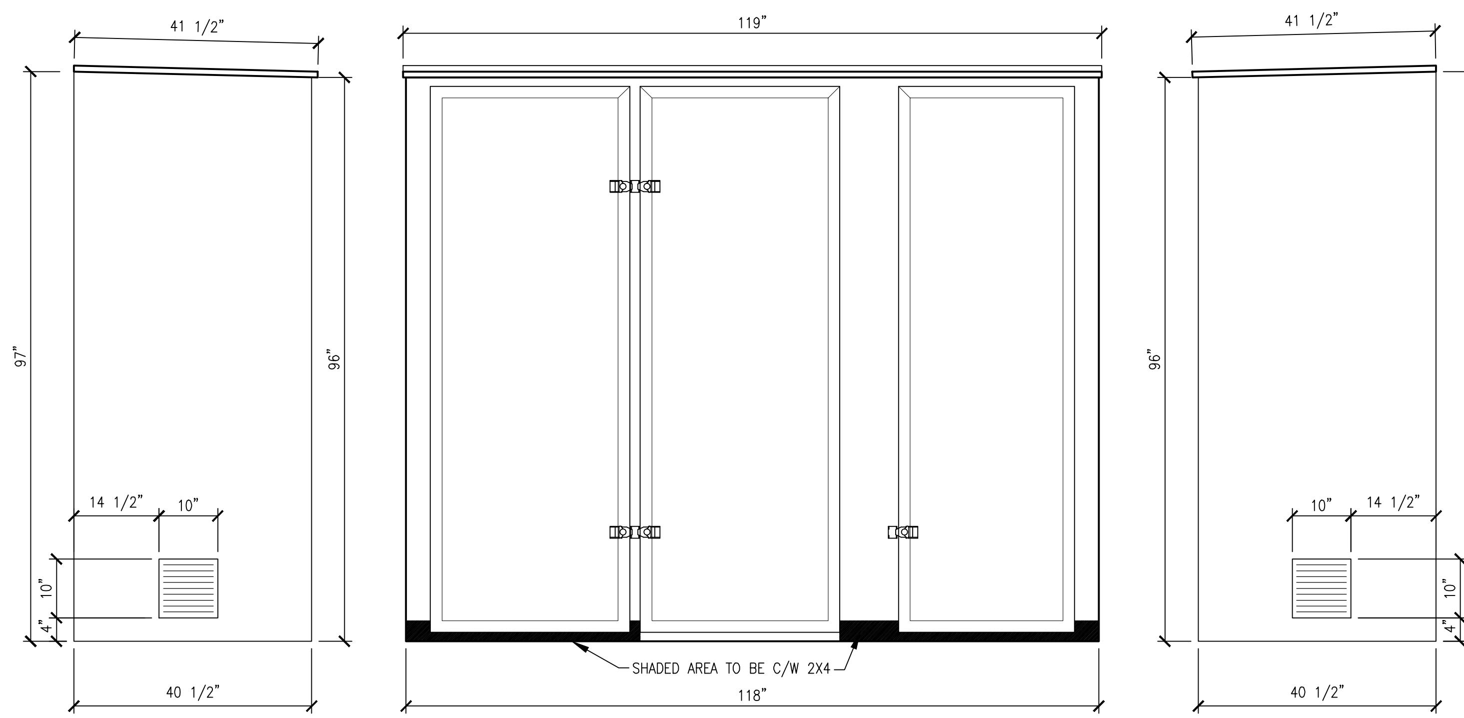


NOTE:
[1] TO BE C/W 2X2 CONSTRUCTION, 3/8" PLYWOOD & 1/2" GYPSUM BOARD
[2] TO BE C/W SPRAY FOAM INSULATION

2 SHOP VAC BOX FRAME DETAIL

AR,??

SCALE: 5/8" = 1'-0"



4 ELECTRICAL ENCLOSURE DETAIL

AR,??

SCALE: 3/8" = 1'-0"

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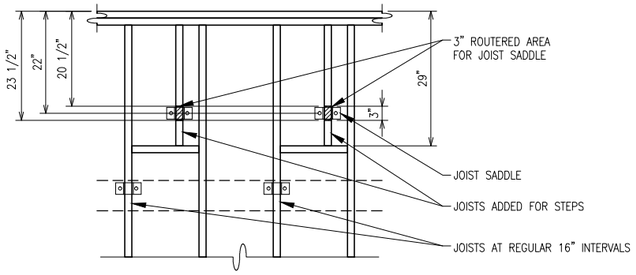
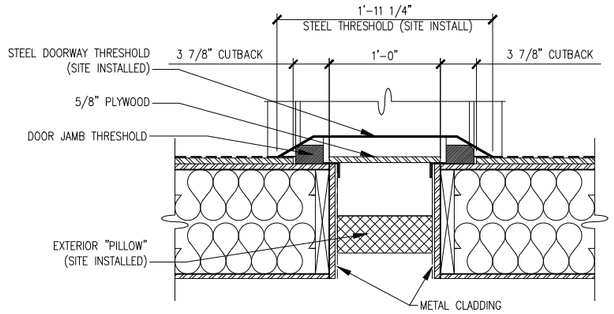


1 AR,??) SLIDE-OUT STEP JOIST DETAIL

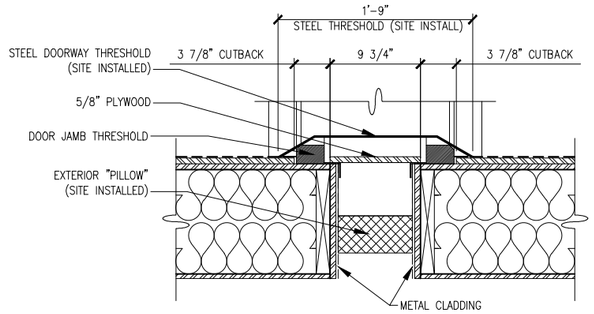
SCALE: 3/8" = 1'-0"

NOTE: REFERENCE PURPOSES ONLY! DOES NOT REPRESENT ACTUAL UNIT



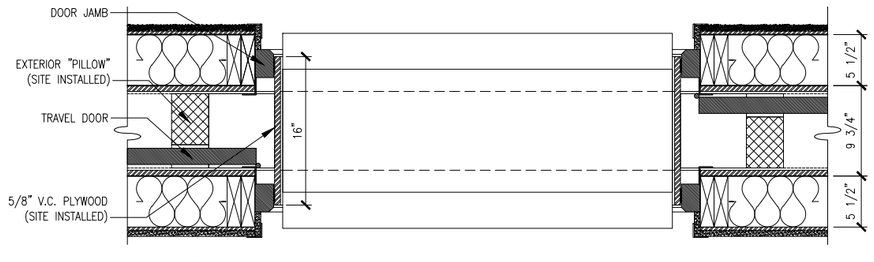
2 AR,??) FLOOR INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"



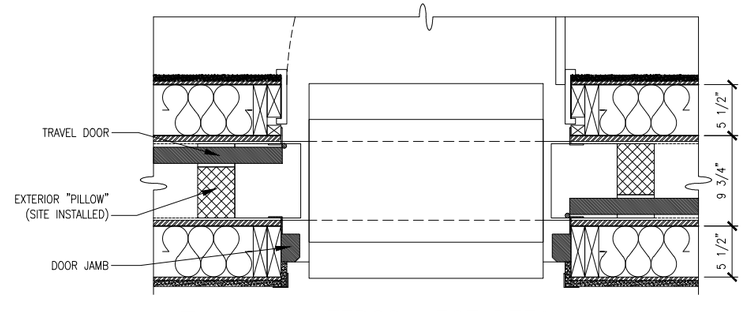
3 AR,??) FLOOR INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"



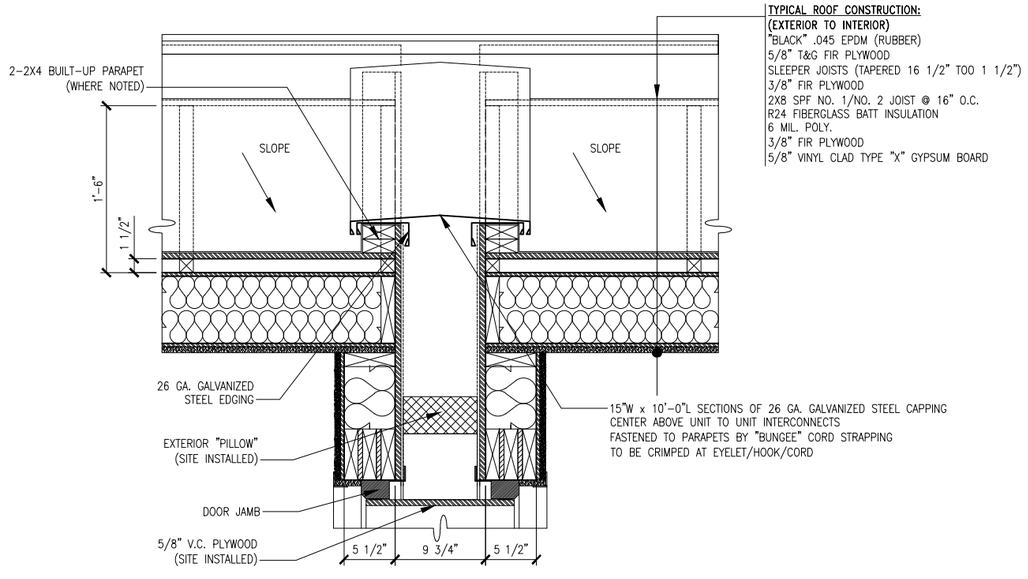
4 AR,??) WALL INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"



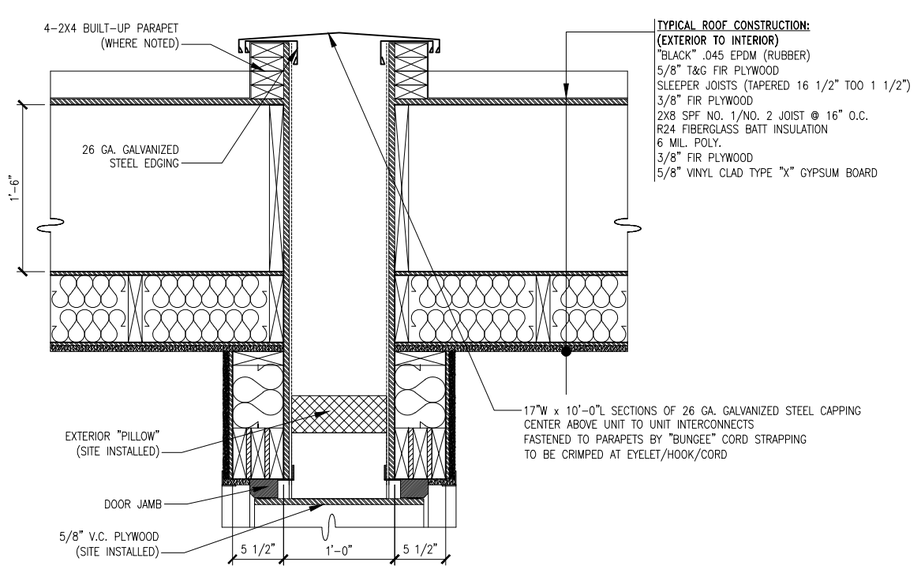
5 AR,??) WALL INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"



6 AR,??) ROOF INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"



7 AR,??) ROOF INTERCONNECT DETAIL

SCALE: 3/4" = 1'-0"

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INTEGRATED WELLSITE

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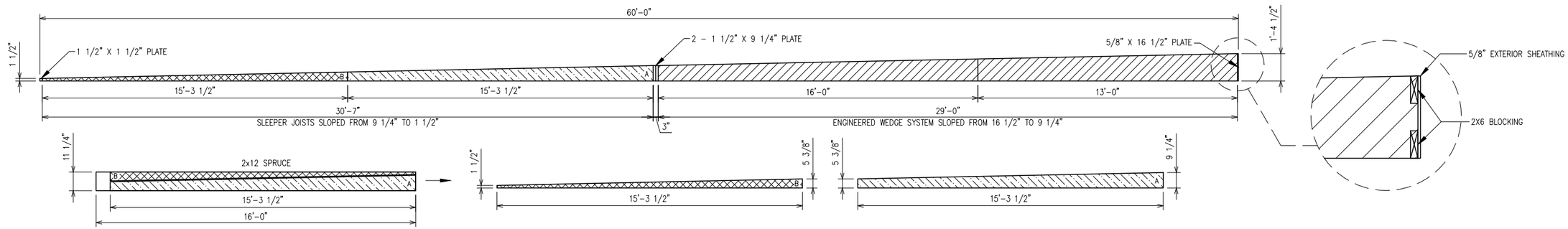
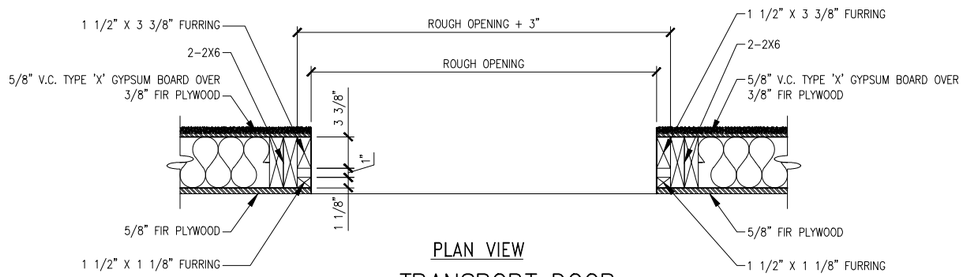


1 AR,??) SLEEPER JOIST DETAIL

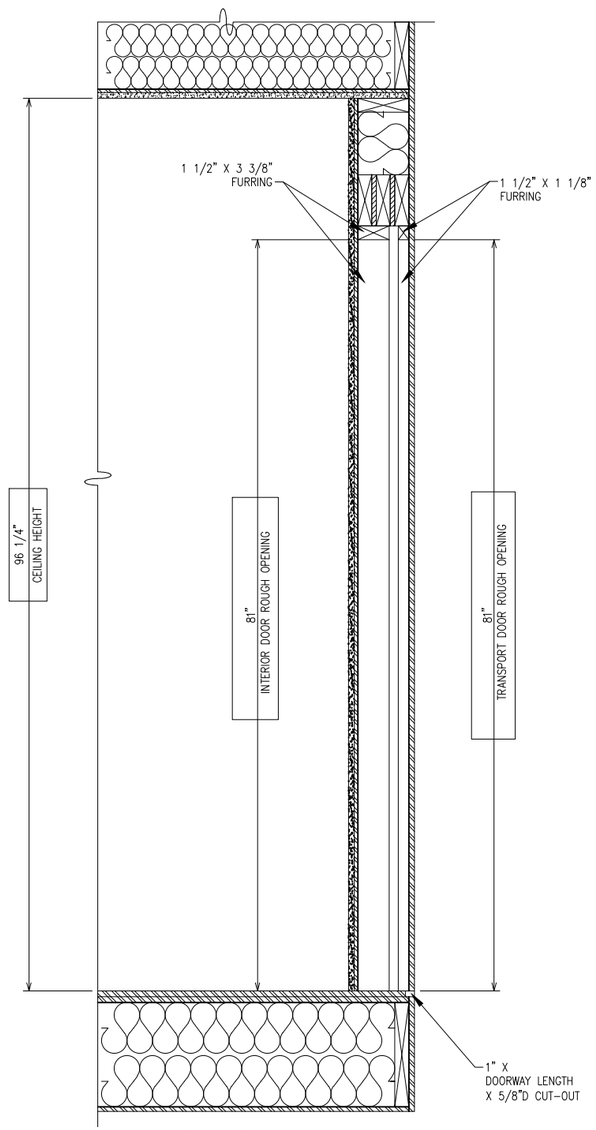
SCALE: 3/16" = 1'-0"



PLAN VIEW

TRANSPORT DOOR
C/W INTERIOR DOOR ROUGH-IN DETAIL

2 AR,??) SCALE: 3/16" = 1'-0"



SECTION VIEW

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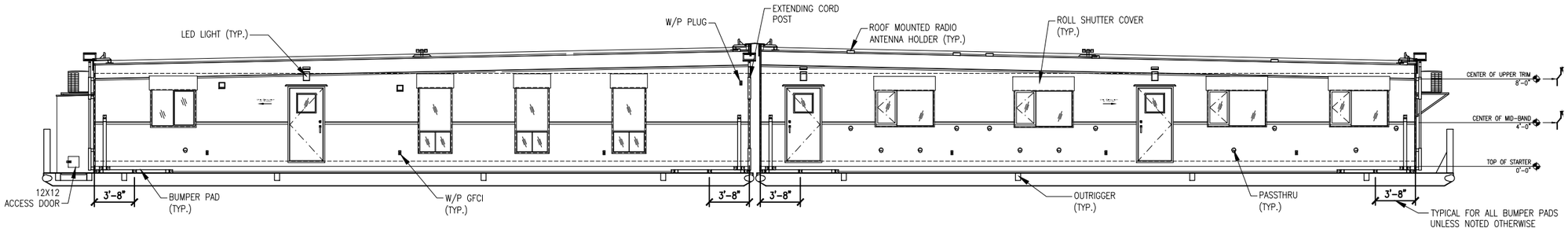
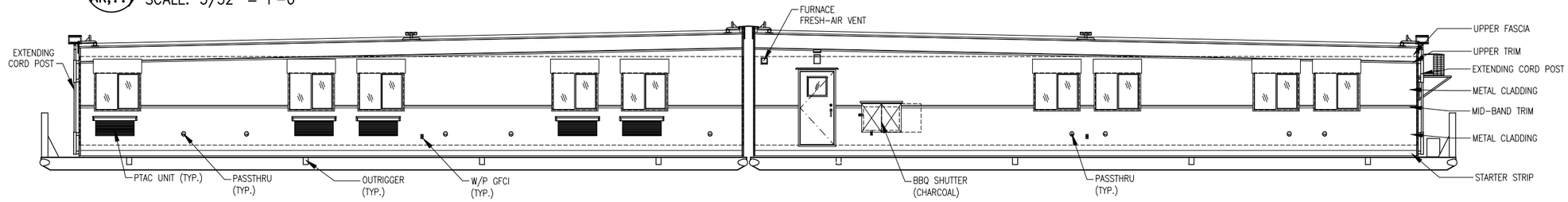


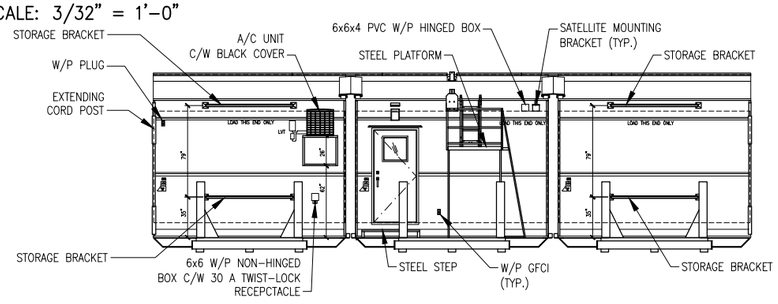
1 AR,??) EXTERIOR SIDE ELEVATION

SCALE: 3/32" = 1'-0"



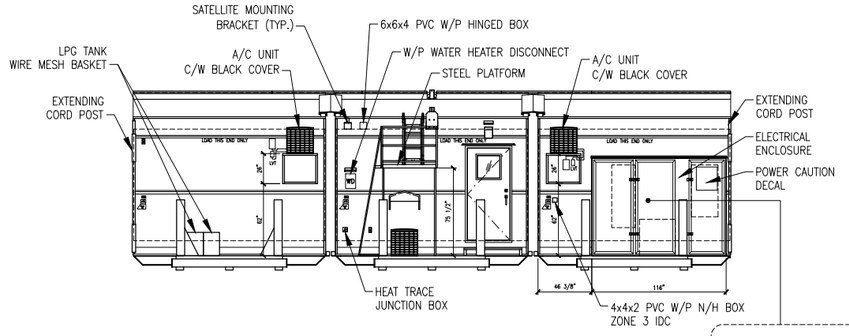
2 AR,??) EXTERIOR SIDE ELEVATION

SCALE: 3/32" = 1'-0"



3 AR,??) EXTERIOR END ELEVATION

SCALE: 3/32" = 1'-0"



4 AR,??) EXTERIOR END ELEVATION

SCALE: 3/32" = 1'-0"

ACCESSORIES			
ENTRY KEY CODE	N/A	ANGLE COLOR	N/A
AFS STICKERS	N/A	EAVES TROUGH	N/A
CLIENT STICKERS	N/A	DOWN SPOUT	N/A
CORNERS	BEND SHEETS	DRIP RAIL	YES
BOTTOM ANGLE	N/A	MISCELLANEOUS	N/A
[1] ALL EXTERIOR & COMPLEXING WALLS TO BE C/W METAL CLADDING.			
[2] SEE COLOR CHART FOR EXTERIOR COLORS.			

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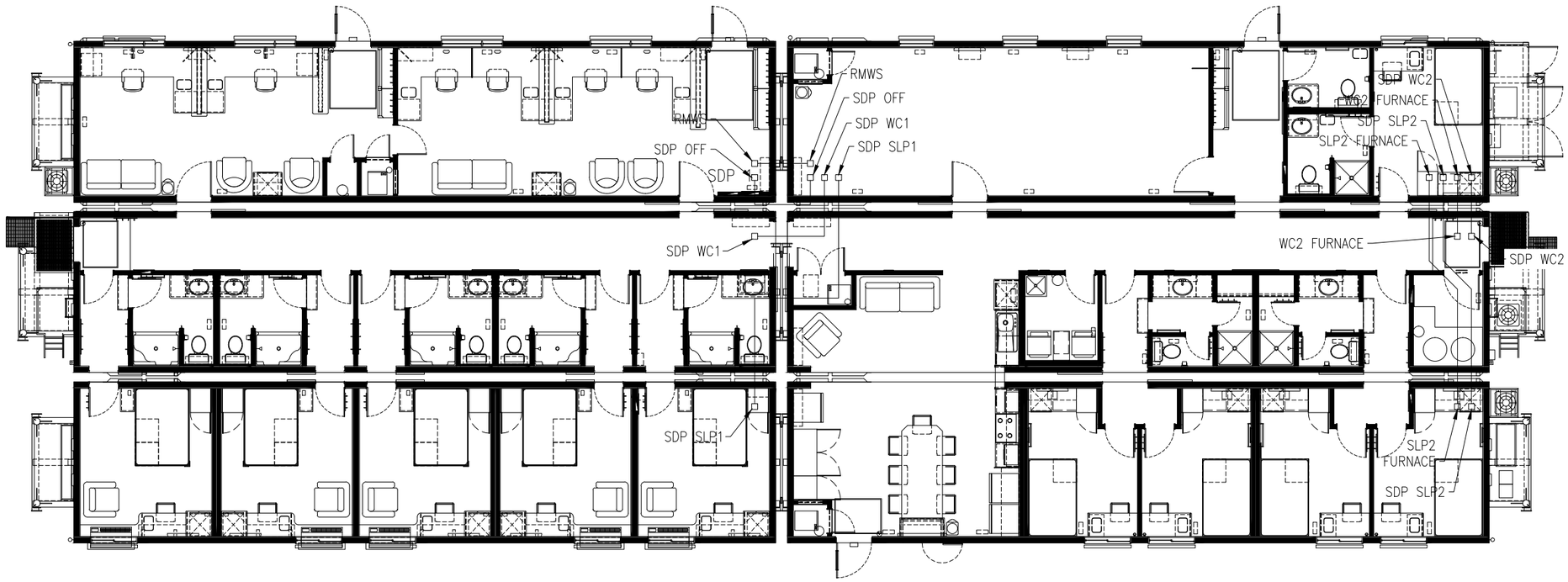

1 AR,??) COMPLEX INTERCONNECT PLAN

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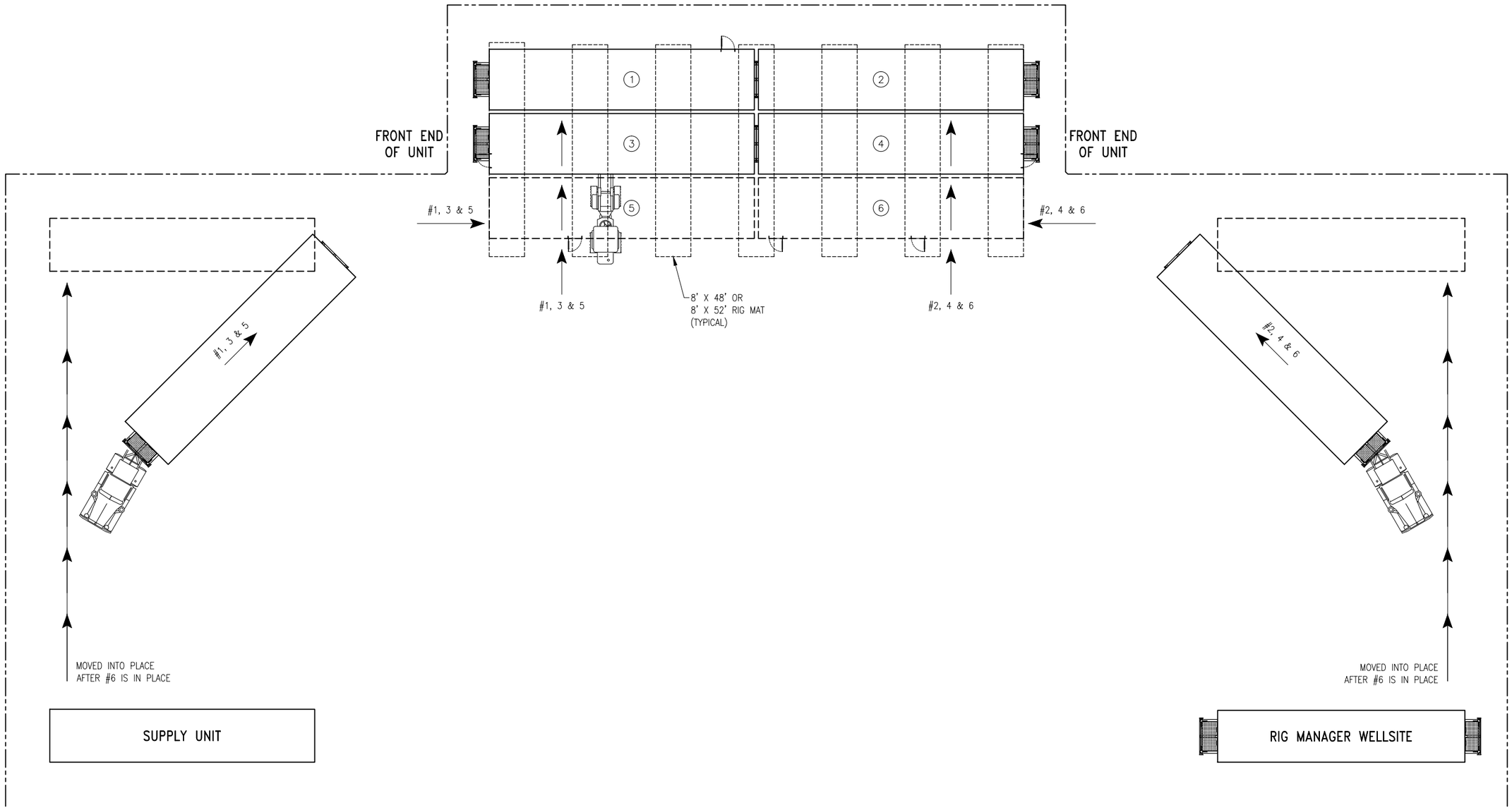
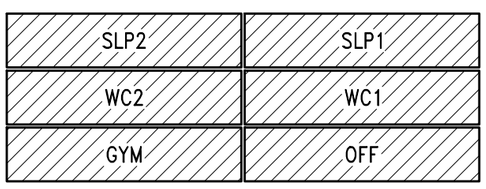


1 AR,??) UNIT INSTALLATION SEQUENCE

N.T.S.



KEY PLAN

REVISIONS/ISSUE DATA			
REV#	DESCRIPTION	DATE	BY
A	ISSUED FOR REVIEW	NOV. 22, 2012	MC
B	REVISED SEQUENCE FOR TRUCKS BACKING UP	NOV. 28, 2012	MC

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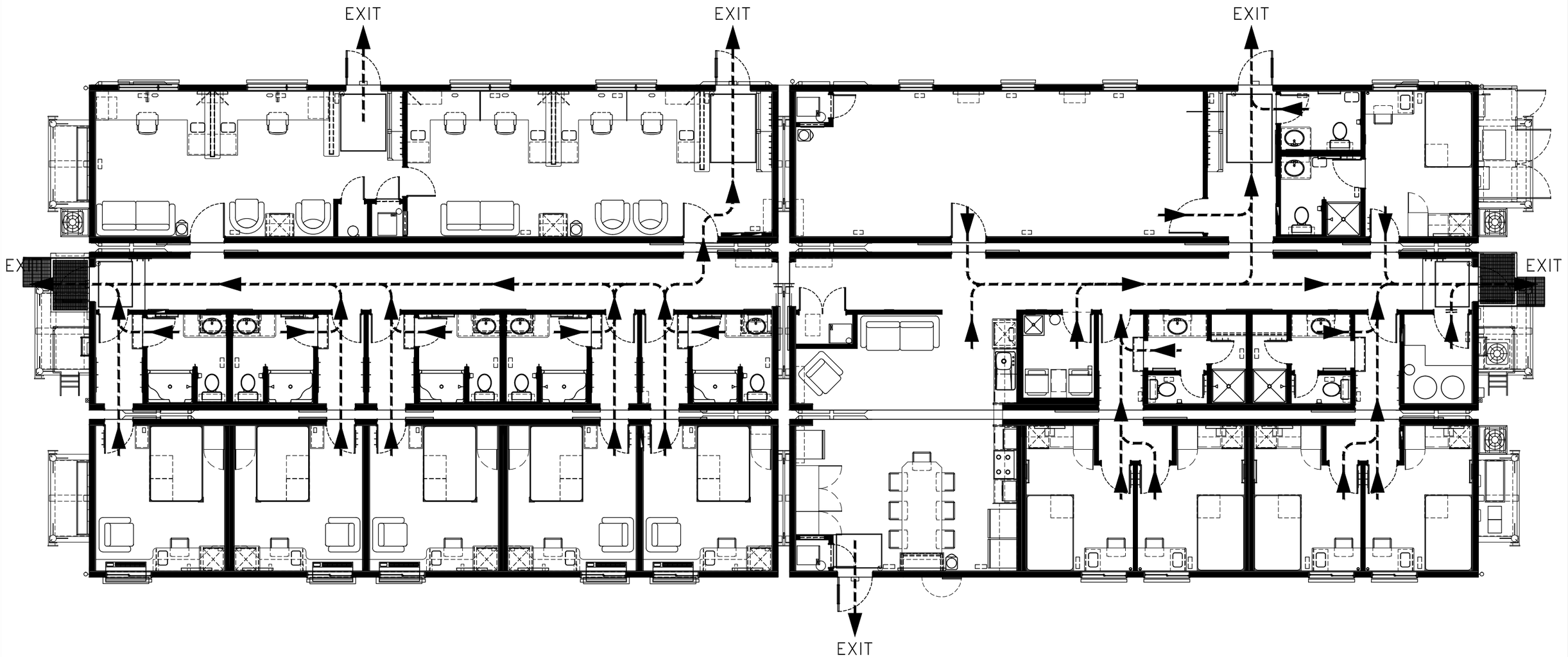

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