SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY, STATEWIDE

VOLUME II
SIXTY PERCENT DESIGN DRAWINGS
70 AU/DAY LIVESTOCK HARVESTING FACILITY

(FOR PLANNING PURPOSES ONLY, NOT FOR CONSTRUCTION)

DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

IN COOPERATION WITH
HAWAII CATTLEMEN'S COUNCIL, INC.

October 2022

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE

60% DESIGN SUBMITTAL

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY STATEWIDE

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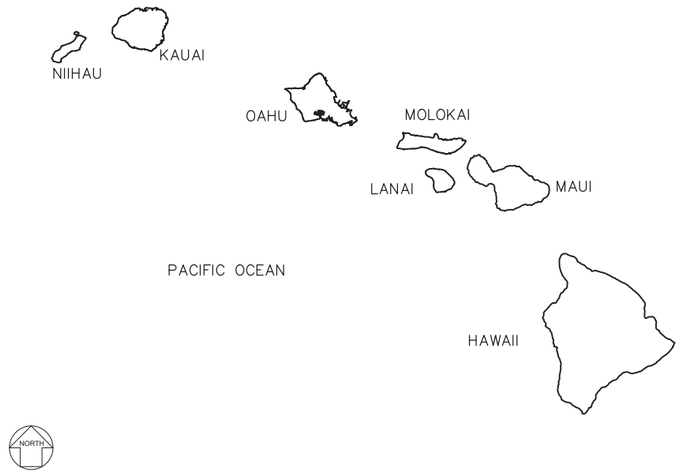

LOCATION MAP – STATEWIDE

PROJECT LOCATION TO BE DETERMINED

AREA RESERVED FOR SIGNATURE BLOCK

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

DRAWING NO. T-1

SHEET 1 OF 106

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY STATEWIDE

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SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
INDEX OF DRAWINGS

DESIGNED BY: DR	SUBMITTED: 1/21/22
DRAWN BY: DR	DATE: 1/21/22
CHECKED BY: BI	SCALE: N/A

APPROVED:

CHIEF ENGINEER DATE

DRAWING NO. T-2

GENERAL NOTES

1. THESE PLANS ARE NOT SITE-SPECIFIC AND SHOULD BE MODIFIED FOR LOCAL CODES, REGULATIONS, ETC.
2. THIS SITE PLAN HAS BEEN DESIGNED BASED ON CLIMATIC CONDITIONS ALONG THE HAMAKUA COAST OF HAWAII ISLAND FOR ANY NECESSARY ASSUMPTIONS. ACTUAL DESIGN MUST ACCOUNT FOR SITE-SPECIFIC CONDITIONS.
3. ALL DIMENSIONS, ELEVATIONS AND ASSUMED EXISTING CONDITIONS ARE TO BE VERIFIED IN THE FIELD.
4. DIMENSIONS TAKE PRECEDENCE OVER SCALE.
5. DETAILS LABELED "TYPICAL" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED.
6. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CURRENT DESIGN AND CONSTRUCTION STANDARDS AND CONSTRUCTION SPECIFICATIONS FOR PUBLIC WORKS.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS REQUIRED PRIOR TO COMMENCEMENT OF WORK.
8. ALL WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY, AND ENVIRONMENTAL QUALITY. WHERE REQUIREMENTS VARY, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
9. REMOVE ALL SILT AND DEBRIS RESULTING FROM CONSTRUCTION WORK DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS.
10. PROVIDE AND MAINTAIN ALL SIGNS, CONES, DUST AND SILT CONTROL DEVICES, BARRICADES, AND OTHER PROTECTIVE FACILITIES TO IDENTIFY AND DELINEATE CONSTRUCTION WORK AREAS.
11. CONFINE ACTIVITIES WITHIN THE PROJECT LIMITS.
12. ENSURE THAT THE WATER LINES ARE FREE OF DEBRIS OR OTHER OBSTRUCTIONS PRIOR TO MAKING ANY ON-LINE FLOW CONNECTION.
13. HANDLE PIPE, FITTINGS, VALVES AND OTHER ACCESSORIES IN A MANNER TO ENSURE DELIVERY TO THE TRENCH IN SOUND UNDAMAGED CONDITION. CARRY, DO NOT DRAG PIPE TO THE TRENCH. THE INTERIOR OF PIPE AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF FOREIGN MATTER BEFORE LAYING BEFORE INSTALLATION, PIPE SHALL BE INSPECTED FOR DEFECTS.
14. PRIOR TO GRADING, CLEAR AND GRUB TOP AT LEAST 6 INCHES OF SURFACE SOILS CONTAINING VEGETATION, ORGANICS, ROOTS, TRASH, DEBRIS, PAVEMENTS, AND OTHER DELETERIOUS MATERIALS.

WATER NOTES:

1. ALL WORK PERFORMED SHALL COMPLY WITH THE STATE OF HAWAII, WATER SYSTEM STANDARDS.

WASTEWATER

1. THE SITE PLAN HAS BEEN DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HAWAI'I STATE DEPARTMENT OF HEALTH FOR LIVESTOCK HARVESTING FACILITY WASTE MANAGEMENT.
2. ALL SEWER WORK SHALL COMPLY WITH LOCAL CODES, REGULATIONS, AND STANDARDS.
3. THE FOLLOWING WASTEWATER TREATMENT SYSTEMS WERE DESIGNED BASED ON FORECASTED SCENARIOS:
   - -- DESIGN FOR WASTEWATER TREATMENT SYSTEM IF UNABLE TO CONNECT TO MUNICIPALITY.
   - -- DESIGN FOR LIVESTOCK FACILITY PROCESSING WASTEWATER PRETREATMENT PRIOR TO CONNECTION TO MUNICIPALITY.
   - -- DESIGN FOR "CLOSED" NATURAL LIVESTOCK FACILITY PROCESSING WASTEWATER WITH AERATED LAGOON, WETLAND, AND ONSITE DISPOSAL.

CIVIL NOTES

1. SUBGRADES SHALL BE COMPACTED TO 95 PERCENT OF ASTM D1557 MAXIMUM DENSITY.
2. PIPE BEDDING MATERIAL SHALL CONSIST OF CLEAN, FREE DRAINING GRAVEL MATERIAL CONFORMING TO ASTM D448, NO. 67 SIZE.
3. PIPE BEDDING MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 6 INCHES AND COMPACTED WITH SUITABLE COMPACTION EQUIPMENT TO A DENSE CONSISTENCY AS INDICATED BY LITTLE TO NO SETTLEMENT OF THE GRAVEL UNDER REPEATED PASSES, BUT NOT LESS THAN SIX (6) PASSES FOR LIFT.
4. FINAL BACKFILL MATERIAL CONSISTING OF STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 10 INCHES AND COMPACTED TO 90 PERCENT OF ASTM D1557 MAXIMUM DENSITY.
5. THE AGGREGATE BASE COURSE SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEEN 6 INCHES, MOISTURE CONDITIONED TO OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95 PERCENT OF ASTM D1557 MAXIMUM DENSITY.
6. MEASURE FIELD DENSITY IN ACCORDANCE WITH ASTM D1556, ASTM D2167, OR ASTM D6938.
7. FILTER FABRIC SHALL BE A PERVIOUS SHEET OF POLYESTER, NYLON, GLASS OR POLYPROPYLENE FILAMENTS SPUN BONDED, FUSED OR OTHERWISE MANUFACTURED INTO A NON RAVELING FABRIC WITH UNIFORM THICKNESS AND STRENGTH, FABRIC SHALL HAVE THE FOLLOWING MANUFACTURER CERTIFIED MINIMUM AVERAGE ROLL PROPERTIES AS DETERMINED BY ASTM D4759.

EROSION/TEMPORARY DUST CONTROL

1. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES FOR WATER QUALITY OF THE LOCAL JURISDICTION.
2. DURING CONSTRUCTION, PREVENTIVE MEASURE SHALL BE USED TO CONTROL FORESEEABLE DUST, EROSION OR SEDIMENTATION WHICH MAY ARISE AS WORK PROGRESSES.
3. SLOPE PR0TECTION
   - -- SLOPE PROTECTION IS REQUIRED ON AREAS WITH SLOPES GREATER THAN 15% AND ON AREAS OF MODERATE SLOPE THAT ARE PRONE TO EROSION UNLESS THEY ARE BEING ACTIVELY WORKED. USE DIVERSION UPSTREAM OF SLOPE (DIKES, SWALES, SLOPE DRAINS) TO DIVERT WATER AROUND THE SLOPE.
   - -- PROVIDE A 10-FT BUFFER ZONE AT THE TOE OF SLOPE. ONLY 5 ACRES MAY BE DISTURBED AT ANYTIME ON SLOPES GREATER THAN 15%.
4. TEMPORARY STABILIZATION IS REQUIRED 0N DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 14 CONSECUTIVE DAYS OR MORE.
5. PERMANENT STABILIZATION - ALL DISTURBED ARE/AS SHALL BE PERMANENTLY STABILIZED USING VEGETATIVE COVERING, PAVEMENT, OR EQUIVALENT, PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY AND PERMANENTLY STABILIZED.
6. PRESERVE EXISTING VEGETATION - CLEARLY MARK THE AREAS TO BE PRESERVED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
7. MINIMIZE SOIL COMPACTION - AREAS WHERE FINAL STABILIZATION OR INFILTRATION PRACTICES WILL BE INSTALLED SHALL BE PROTECTED FROM EXCESSIVE COMPACTION DURING CONSTRUCTION. VEHICLE AND EQUIPMENT USE SHALL BE RESTRICTED OR TECHNIQUES TO CONDITION THE SOILS TO SUPPORT VEGETATION SHALL BE IMPLEMENTED IN THE AREAS THAT HAVE BEEN COMPACTED AND ARE DESIGNATED TO REMAIN VEGETATIVE 0R POST-CONSTRUCTION INFILTRATION AREAS. CLEARLY MARK THE AREAS TO BE AVOIDED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
8. PERIMETER CONTROLS ARE REQUIRED DOWNSLOPE OF ALL DISTURBED AREAS. MAINTAIN DOWNSTREAM VEGETATED BUFFER AREA.
9. SEDIMENT BARRIERS AND FENCES - SEDIMENT BARRIERS SHALL BE USED TO PROTECT DISTURBED OR DENUDED AREAS THAT ARE NOT SCHEDULED FOR ACTIVE GRADING WORK WITHIN 24 HOURS. THE SEDIMENT BARRIERS SHALL BE INSTALLED AT THE TOW OF THE SLOPE AND ON CONTOURS AT THE FOLLOWING SPACING.

SLOPE < 5%	→ 50 FEET SPACING
SLOPE ≥ 5% AND ≤ 15%	→ 30 FEET SPACING
SLOPE > 15%	→ 20 FEET SPACING

10. INLET PROTECTION
    - -- ALL STORM DRAIN INLETS ONSITE AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE SHALL USE AN INLET PROTECTION DEVICE UNLESS THEY ARE DIRECTED TO A SEDIMENT BASIN.
    - -- SEDIMENT LEVELS MAY NOT EXCEED ONE THIRD OF THE HEIGHT OF A SEDIMENT BARRIER OR INLET PROTECTION DEVICE AT ANY POINT ALONG THE LENGTH OF THE SEDIMENT BARRIER OR THE INLET PROTECTION DEVICE.
    - -- SEDIMENT BARRIERS AND INLET PROTECTION DEVICES MUST BE UNCLOGGED AND CLEANED WHEN PERFORMANCE IS COMPROMISED.
    - -- TORN, WEATHERED OR SAGGING SEDIMENT BARRIERS OR INLET PROTECTION DEVICES MUST BE REPAIRED OR REPLACED IMMEDIATELY.
11. SEDIMENT BASINS MUST BE KEPT IN EFFECTIVE OPERATING CONDITION AND SEDIMENT SHALL BE REMOVED TO MAINTAIN AT LEAST ONE HALF OF THE DESIGN CAPACITY AT ALL TIMES.
12. SEDIMENT TRAPS MUST BE KEPT IN EFFECTIVE OPERATING CONDITION AND SEDIMENT SHALL BE REMOVED TO MAINTAIN AT LEAST ONE THIRD OF THE DESIGN CAPACITY AT ALL TIMES.
13. TRACKING CONTROL
    - -- MINIMIZE SEDIMENT TRACK-OUT ONTO OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS FROM VEHICLES EXITING THE CONSTRUCTION SITE BY RESTRICTING VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USING ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE SITE.
    - -- VEHICULAR PARKING AND MOVEMENTS ON PROJECT SITES MUST BE CONFINED TO PAVED SURFACES OR PREDETERMINED PARKING AREAS AND VEHICLE PATHS, WHICH SHALL BE MARKED WITH FLAGS OR BOUNDARY FENCING.
    - -- ALL POLLUTANTS AND MATERIALS THAT ARE DROPPED, WASHED, TRACKED, SPILLED, OR OTHERWISE DISCHARGED FROM A PROJECT SITE TO OFF-SITE STREETS, OTHER PAVED AREAS, SIDEWALKS OR THE STORM WATER SEWER SYSTEM (MS4) MUST BE CLEANED USING DRY METHODS SUCH AS SWEEPING 0R VACUUMING.
    - -- WASHING POLLUTANTS AND MATERIALS THAT ARE DISCHARGED FROM THE PROJECT SITE TO THE MS4 INTO DRAIN INLETS OR CATCH BASINS IS PROHIBITED UNLESS THE MATERIAL IS SEDIMENT AND THE INLETS ARE DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP.
14. BEST MANAGEMENT PRACTICES (BMPS) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE FOR THAT PHASE.

EROSION/TEMPORARY DUST CONTROL PLAN - PROJECT SEQUENCE

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES, PERIMETER CONTROLS, INLET PROTECTION, AND TEMPORARY FENCING FOR PROTECTED AREAS, CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF THESE BMPS.
2. CONSTRUCT DIVERSION DITCH WITH CHECK DAMS UPSLOPE OF THE GRADED AREA TO DIRECT RUNOFF AROUND THE SITE. INSTALL VELOCITY DISSIPATION STRUCTURE AT TEMPORARY OUTLET.
3. CONSTRUCT TEMPORARY SEDIMENT BASINS. STABILIZE IMMEDIATELY.
4. CONSTRUCT TEMPORARY SWALES TO DIRECT RUNOFF INT0 THE SEDIMENT BASINS. STABILIZE IMMEDIATELY.
5. INSTALL PERMANENT DRAINAGE SYSTEM WITH TEMPORARY INLET PROTECTION FOR INLETS THAT DO NOT DRAIN TO THE SEDIMENT BASINS. CLEAR AND GRUB AS NEEDED FOR INSTALLATION.
6. RELOCATE, RECONSTRUCT AND MAINTAIN BMPS AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES. INITIATE TEMPORARY STABILIZATION IMMEDIATELY ONCE GRADING IS COMPLETED IN EACH PHASE.
7. INITIATE STABILIZATION OF STEEP SLOPES (> 15%) WITH HYDROSEEDING AS SOON AS GRADING IS COMPLETED ON THOSE AREAS. INSTALL PERMANENT IRRIGATION SYSTEM PRIOR TO PERMANENT SEEDING.
8. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
9. PLANT PERMANENT GROUND COVER ACCORDING TO THE LANDSCAPING PLAN AS SOON AS POSSIBLE.
10. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER AT LEAST 90% ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
11. PRACTICE GOOD HOUSEKEEPING MEASURE THROUGHOUT THE DURATION OF CONSTRUCTION.
12. INSPECTIONS SHALL BE PERFORMED WEEKLY.

EROSION/TEMPORARY DUST CONTROL - RAIN RESPONSE PLAN

1. THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS.
2. TEMPORARY SUSPENSION OF ACTIVE CLEARING, GRADING, GRUBBING AND TRENCHING.
3. INSPECT ALL SEDIMENT BASINS, TEMPORARY DITCHES/SWALES, PERIMETER CONTROLS, AND INLET PROTECTION DEVICES, AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA. IF A SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICE TO PREVENT FLOODING ON SURROUNDING STREETS.
4. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
5. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTRACTING ANY SPILLED PETROLEUM PRODUCTS. PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
6. RE--INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND REPLACE OR MAINTAIN BMPS AS NEEDED.

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
GENERAL NOTES

DESIGNED BY: VA	SUBMITTED: 1/10/22
DRAWN BY: VA	DATE: 1/10/22
CHECKED BY: BI, DR	SCALE: N/A

APPROVED:
CHIEF ENGINEER — DATE

DRAWING NO. T-3

GOOD HOUSEKEEPING BMPS

1. STREET SWEEPING AND VACUUMING - ALL POLLUTANTS DISCHARGED FROM CONSTRUCTION SITE TO OFF-SITE AREAS MUST BE SWEPT OR VACUUMED EACH DAY BEFORE LEAVING THE JOB SITE.
2. MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT - PREVENT, REDUCE, OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY, STORAGE, AND USE TO THE STORM WATER SYSTEM OR WATERCOURSES BY MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ONSITE, STORING MATERIALS IN A DESIGNATED AREA, INSTALLING SECONDARY CONTAINMENT. CONSTRUCTION MATERIALS, WASTE, TOXIC AND HAZARDOUS SUBSTANCES, STOCKPILES AND OTHER SOURCES OF POLLUTION SHALL NOT BE STORED IN BUFFER AREAS, NEAR AREAS OF CONCENTRATED FLOW, OR AREAS ABUTTING THE STORM WATER SEWER SYSTEM (MS4), RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE. PRIMARY AND SECONDARY CONTAINMENT CONTROLS AND COVERS SHALL BE IMPLEMENTED TO THE MEP.
3. SPILL PREVENTION AND CONTROL - CREATE AND IMPLEMENT SPILL PREVENTION AND RESPONSE PLANS TO ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO THE MS4 AND RECEIVING WATERS FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, ABSORBING, CONTAINING, AND CLEANING UP SPILLS AND PROPERLY DISPOSING OF SPILL MATERIALS. AT MINIMUM, ALL PROJECTS SHALL CLEANUP ALL LEAKS AND SPILLS IMMEDIATELY.
4. HAZARDOUS MATERIALS - PREVENT THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM HAZARDOUS WASTE THROUGH PROPER MATERIAL USE AND WASTE DISPOSAL.
5. VEHICLE AND EQUIPMENT CLEANING - ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT CLEANING OPERATIONS BY USING OFF--SITE FACILITIES WHEN FEASIBLE, WASHING IN DESIGNATED, CONTAINED AREAS ONLY, AND ELIMINATING DISCHARGES TO THE STORM DRAIN SYSTEM BY EVAPORATING AND/ OR TREATING WASH WATER, AS APPROPRIATE OR INFILTRATING WASH WATER FOR EXTERIOR CLEANING ACTIVITIES THAT USE WATER ONLY.
6. VEHICLE AND EQUIPMENT FUELING - PREVENT FUEL SPILLS AND LEAKS BY USING OFF-SITE FACILITIES, FUELING ONLY IN DESIGNATED AREAS, ENCLOSING OR COVERING STORED FUEL, AND IMPLEMENTING SPILL CONTROLS SUCH AS SECONDARY CONTAINMENT AND ACTIVE MEASURES USING SPILL RESPONSE KITS.
7. VEHICLE AND EQUIPMENT MAINTENANCE - ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT OPERATIONS BY USING OFF-SITE MAINTENANCE FACILITIES WHEN FEASIBLE, PERFORMING WORK IN DESIGNATED AREAS ONLY, USING SPILL PADS UNDER VEHICLES AND EQUIPMENT, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.
8. SOLID WASTE MANAGEMENT - PREVENT OR REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.
9. SANITARY/SEPTIC WASTE MANAGEMENT - TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL--MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND SERVICING. SOURCES OF SANITARY AND/OR SEPTIC WASTE SHALL NOT BE STORED NEAR THE MS4 OR RECEIVING WATERS.
10. STOCKPILE MANAGEMENT - STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY. SEDIMENT BARRIERS OR SILT FENCE SHALL BE USED AROUND THE BASE OF ALL STOCKPILES. STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT. STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8 FOOT WIDE BENCHING IN ACCORDANCE WITH THE REVISED ORDINANCES OF HONOLULU (ROH) CHAPTER 14, ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
11. LIQUID WASTE MANAGEMENT - LIQUID WASTE SHALL BE CONTAINED IN A CONTROLLED AREA SUCH AS A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTES GENERATED. CONTAINMENT AREAS OR DEVICES MUST BE IMPERMEABLE AND LEAK FREE AND SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS.
12. CONCRETE WASTE MANAGEMENT - PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE OR PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PLASTIC LINING MATERIAL CONTAINMENT AREAS OR DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES CHANNELS OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF AS SOLID WASTES.
13. CONTAMINATED SOIL MANAGEMENT - AT MINIMUM CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINED BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETING. CONTAMINATED SOIL SHOULD BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
14. DUST CONTROL - DUST FROM A PROJECT SITE SHALL NOT BE TRANSPORTED OR DISCHARGED TO OFF-SITE AREAS. THE WORK MUST BE IN CONFORMANCE WITH AIR POLLUTION CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES: TITLE 11 CHAPTER 60.1 "AIR POLLUTION CONTROL." ALL ESCPS SHALL PROVIDE FOR THE CONTROL OF DUST BY ONE OR MORE OF THE FOLLOWING:
    - -- MULCHING TO A DEPTH OF NO LESS THAN 1 INCH.
    - -- SPRINKLING EXPOSED SOILS WITH WATER TO MAINTAIN MOISTNESS AT A DEPTH OF 2--3 INCHES DURING WORKING HOURS AND NOT TO GENERATE ANY RUNOFF.
    - -- VERTICAL DUST BARRIERS NO LESS THAN 6 FEET IN HEIGHT, CONSTRUCTED OF MATERIALS CAPABLE OF EFFECTIVELY PREVENTING THE SPREAD OF DUST PARTICLES.
15. BMP AND SITE MAINTENANCE - ALL ESCP BMPS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. ADDITIONAL BMPS SHALL BE IMPLEMENTED AS NECESSARY TO ADDRESS EROSION AND SEDIMENT CONTROL AT THE PROJECT SITE.

LIST OF ABBREVIATIONS

AC	ASPHALT CONCRETE
A.F.F.	ABOVE FINISHED FLOOR
BLG	BUILDING
B.O.B.	BOTTOM OF BEAM
BOT	BOTTOM
C.F.	CONCRETE FABRIC
CLG	CEILING
CM	CENTIMETER
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONV	CONVEYOR
DAF	DISSOLVED AIR FLOTATION
DET	DETAIL
DIFF	DIFFERENCE
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
EA	EACH
EEW	EMERGENCY EYE WASH
EPDM	ETHYLENE PROPYLENE DIENE MONOMER RUBBER
EQ	EQUILIZATION
ESCP	EROSION AND SEDIMENT CONTROL PLAN
E.W.	EACH WAY
FIN	FINISH
FLR	FLOOR
FOG	FAT, OIL, AND GREASE
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GEM	GAS ENERGY SYSTEM
GPM	GALLONS PER MINUTE
H	HEIGHT
HD	HEAD
HDPE	HIGH-DENSITY POLYETHYLENE
HPFF	HIGH POINT OF FINISHED FLOOR
HR	HOT ROLLED
HRS	HOURS
HS	HOSE STATION
HW	HAND WASH
ICC	INTERNATIONAL CODE COUNCIL
INSP	INSPECTION
INSUL	INSULATION
KVA	KILOVOLT-AMPERES
LG	LARGE
L.L.	LIVE LOAD
L.W.	LOCK WASHER
MAT'L	MATERIAL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MIL	MILLION
MIN	MINIMUM
M.S.	MILD STEEL
MFR	MANUFACTURER
MW	MEAT WASH
NC	COARSE NUMBER
NO	NUMBER
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
O.C.	ON CENTER
PAVT,PAV'T	PAVEMENT
PHW	PLANT HOT WATER
PL	PROPERTY LINE
PVC	POLYNINYL CHLORIDE
P.W.	PROCESS WASTE
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
REF	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
RO	ROUGH OPENING
SCH	SCHEDULE
SEC	SECOND
SHT	SHEET
SLP	SLOPE
SQFT	SQUARE FEET
SP	SPACE
S.S.	STAINLESS STEEL
STA	STATION
STRUC	STRUCTURAL
TEMP	TEMPERATURE
THK	THICK
T.O.R.	TOP OF RAIL
TYP	TYPICAL
UIC	UNDERGROUND INJECTION CONTROL
USDA	UNITED STATES DEPARTMENT OF AGRICULTURE
W	WIDTH

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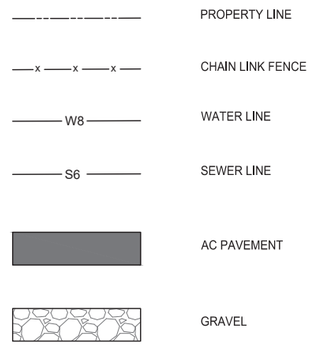
SELECTED SITE MAY ALTER DESIGN

CROSS REFERENCING SYSTEM

SYMBOL WHERE SECTION/DETAIL IS TAKEN

SUBTITLE FOR SECTION/DETAIL DRAWING

SYMBOLS



NOTES:

1. ABBREVIATIONS AND SYMBOLS APPLY TO CIVIL DRAWINGS. SEE DRAWINGS FOR OTHER DISCIPLINES FOR OTHER ABBREVIATIONS AND SYMBOLS.
2. CROSS REFERENCING SYSTEM APPLIES TO CIVIL DRAWINGS.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

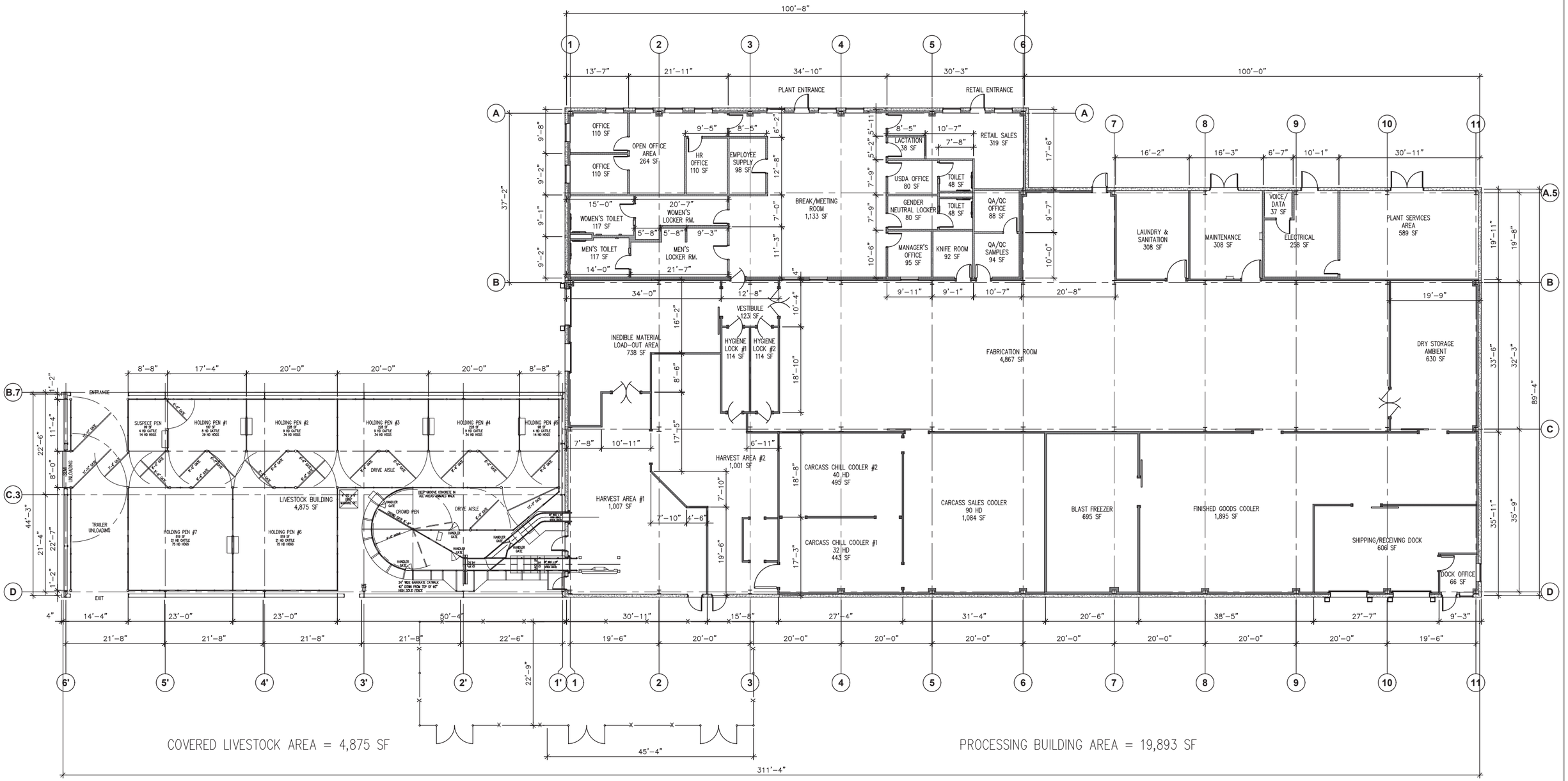
SHEET TITLE
GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

DESIGNED BY: VA	SUBMITTED: 1/10/22
DRAWN BY: VA	DATE: 1/10/22
CHECKED BY: BI, DR	SCALE: N/A

APPROVED:
CHIEF ENGINEER ____ DATE

DRAWING NO. T-4

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



TOTAL FACILITY AREA = 24,768 SF

GENERAL BUILDING ROOM LAYOUT

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

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

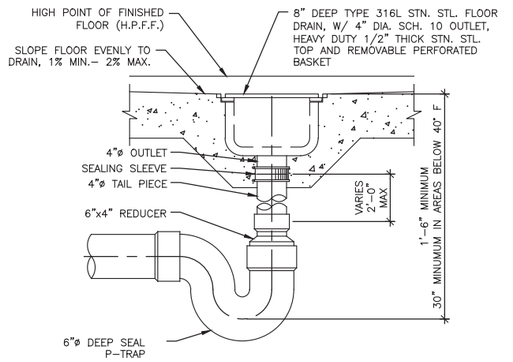
SHEET TITLE
GENERAL BUILDING ROOM LAYOUT

DESIGNED BY: RWG	SUBMITTED: 1/10/2022
DRAWN BY: RWG, VA	DATE: 1/10/2022
CHECKED BY: BI, DR	SCALE: 3/32" = 1'-0"

APPROVED:

CHIEF ENGINEER — DATE

DRAWING NO. G-1



TYP STN STL FLOOR DRAIN DETAIL

NOT TO SCALE

1 / G-2

CONCEPTUAL FINISH FLOOR SLOPES

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

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
CONCEPTUAL FINISH FLOOR SLOPES

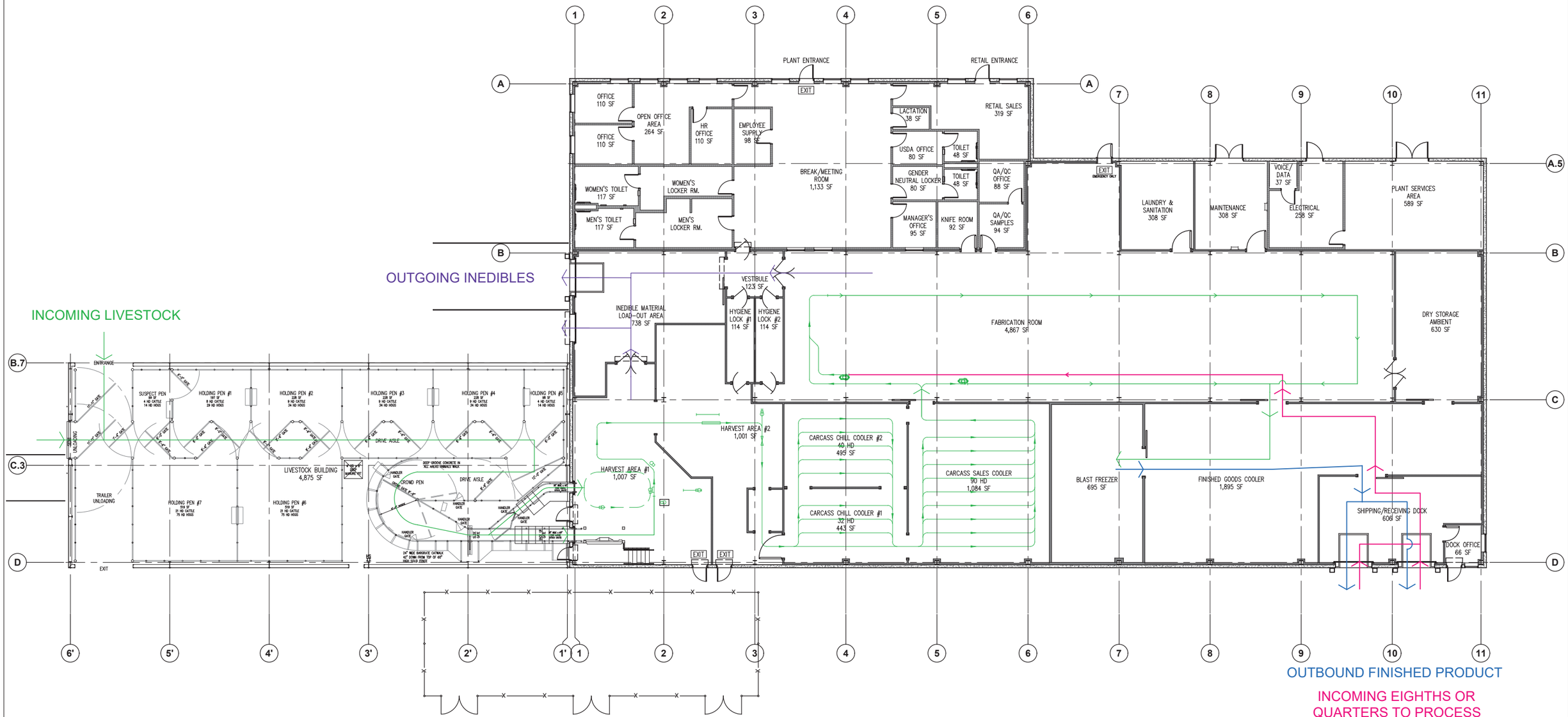
DESIGNED BY: RWG	SUBMITTED: 1/10/2022
DRAWN BY: RWG, VA	DATE: 1/10/2022
CHECKED BY: BI, DR	SCALE: 3/32" = 1'-0"

APPROVED:
CHIEF ENGINEER — DATE

DRAWING NO. G-2

SHEET NO. 6 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



CONCEPTUAL LIVESTOCK PROCESSING FLOW PLAN

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

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

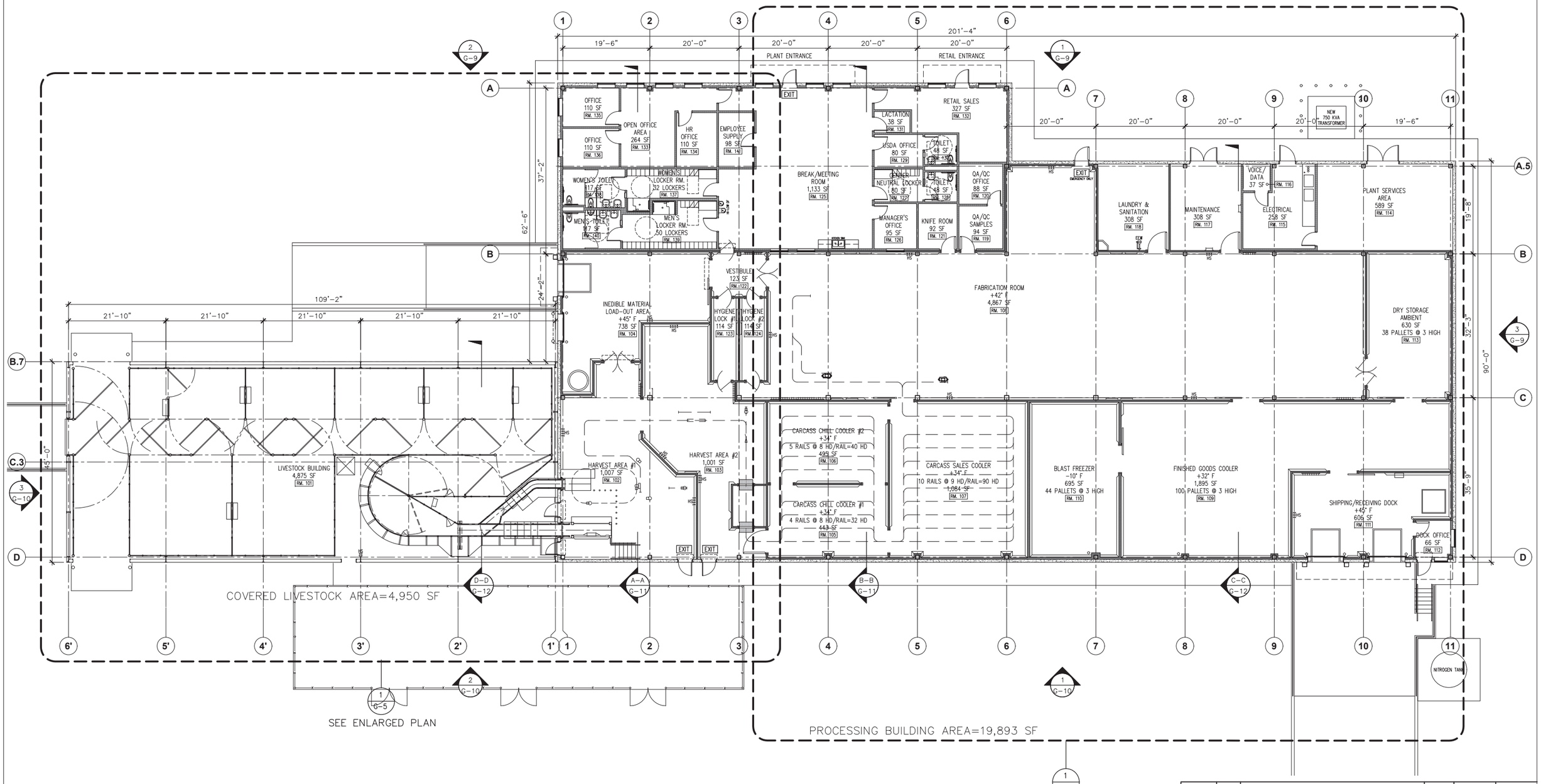
SHEET TITLE
CONCEPTUAL LIVESTOCK PROCESSING FLOW PLAN

DESIGNED BY: RWG	SUBMITTED: 1/10/2022
DRAWN BY: RWG, VA	DATE: 1/10/2022
CHECKED BY: BI, DR	SCALE: 3/32" = 1'-0"

APPROVED:

CHIEF ENGINEER — DATE

DRAWING NO. G-3



1 OVERALL FACILITY FLOOR PLAN

3/32"=1'-0"

0 5 10 20

GENERAL NOTES

1. SEE SHEETS G-5 AND G-6 FOR ENLARGED FLOOR PLANS.
2. SEE SHEETS G-9 AND G-10 FOR BUILDING ELEVATIONS.
3. SEE SHEETS G-11 AND G-12 FOR BUILDING SECTIONS.

N

REFERENCE ONLY

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
OVERALL 70 HD/DAY FACILITY FLOOR PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 3/32"=1'-0"

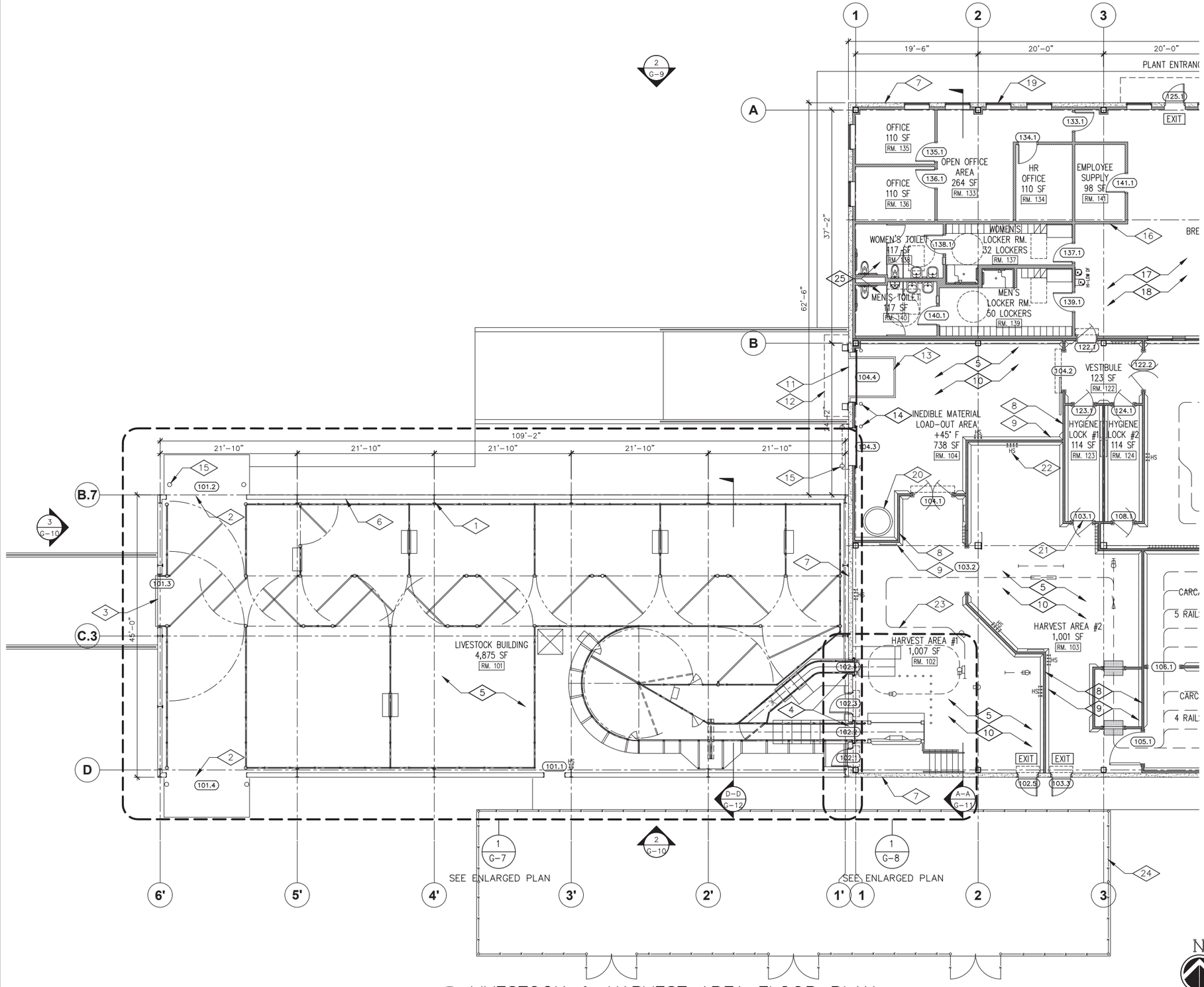
APPROVED:

CHIEF ENGINEER DATE

DRAWING NO. G-4

SHEET NO. 8 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



KEY NOTES

1. OPEN SIDED PRE-ENGINEERED STEEL LIVESTOCK BUILDING STRUCTURE, SEE STRUCTURAL
2. DRIVE THROUGH SMALL TRAILER UNLOADING OPENING
3. TRUCK WELL AND DOCK OPENING FOR SEMI TRAILER UNLOADING
4. STEPPED CONCRETE CHUTES TO LIVESTOCK ENTRANCES INTO MAIN BUILDING
5. 8" THICK, SEALED, REINFORCED CONCRETE FLOOR SLAB, SLOPED TO DRAIN WHERE REQUIRED, SEE SHEET G-15 FOR FINISH
6. 8" THICK x 8" HIGH CONCRETE CURB, TYPICAL FOUR PERIMETER WALLS
7. CONCRETE EXTERIOR WALL PANELS, SEE STRUCTURAL
8. 4" THICK ISOCYANURATE INSULATED METAL WALL PANELS WITH WHITE KYNAR FINISH, R 28 MIN., TYPICAL, SEE DETAILS ON SHEETS G-17 AND G-18
9. 6" THICK x 12" HIGH CONCRETE CURB, TYPICAL, SEE DETAILS ON SHEET G-18
10. 6" THICK ISOCYANURATE INSULATED METAL CEILING PANELS WITH WHITE KYNAR FINISH, R 40 MIN., TYPICAL, SEE DETAILS ON SHEET G-17
11. TRUCK WELL AND DOCK DOOR FOR TRUCK LOADING
12. CANOPY OVER DOCK DOOR, SEE DETAIL ON SHEET G-17
13. HORIZONTAL DOCK LEVELER SYSTEM W/ LEVELER PIT, TRAILER SEALS, DOCK BUMPERS, TRAILER RESTRAINT & CONTROLLER
14. 6" DIA. x 5' HIGH CONCRETE FILLED, SCH. 40 GALVANIZED STEEL PIPE BOLLARD, TYPICAL INTERIOR
15. 8" DIA. x 8' HIGH CONCRETE FILLED, SCH. 40 GALVANIZED STEEL PIPE BOLLARD, TYPICAL EXTERIOR
16. METAL STUD & GYP. BOARD WALLS, TYPICAL, SEE SHEET G-15 FOR FINISH
17. 2'x2'x5/8" ACOUSTICAL LAY-IN CEILING GRID
18. 6" THICK, SEALED, CONCRETE FLOOR SLAB, SEE SHEET G-15 FOR FINISH
19. DOUBLE GLAZED WINDOW, TYPICAL, SEE DETAILS ON SHEET G-19
20. PROCESS WASTEWATER WET WELL, SEE PLUMBING
21. DOOR NUMBER, TYPICAL, SEE DOOR SCHEDULE ON SHEET G-16
22. CURB MOUNTED HOSE STATION, TYPICAL, SEE PLUMBING
23. OVERHEAD RAIL SYSTEM, TYPICAL, BY EQUIPMENT CONTRACTOR
24. PROPOSED FENCED REFRIGERATION EQUIPMENT ENCLOSURE, SEE MECHANICAL
25. SEE TOILET ELEVATIONS ON SHEET G-23

GENERAL NOTES

1. SEE SHEET G-4 FOR OVERALL FLOOR PLAN.
2. SEE SHEET G-6 FOR ENLARGED FABRICATION AREA FLOOR PLAN.
3. SEE SHEET G-7 FOR ENLARGED LIVESTOCK AREA PLAN.
4. SEE SHEET G-8 FOR ENLARGED STUNNING AREA PLAN.
5. SEE SHEETS G-9 AND G-10 FOR BUILDING ELEVATIONS.
6. SEE SHEETS G-11 AND G-12 FOR BUILDING SECTIONS.
7. SEE SHEET G-15 FOR ROOM FINISH SCHEDULE.
8. SEE SHEET G-16 FOR DOOR SCHEDULE.
9. SEE SHEETS G-17 AND G-18 FOR INSULATED PANEL AND CURB/FLOOR DETAILS.
10. SEE SHEET G-23 FOR TOILET AND BREAK ROOM DETAILS.

N
REFERENCE ONLY

1 G-4 LIVESTOCK & HARVEST AREA FLOOR PLAN

1/8"=1'-0"
0 2 4 6 8 10

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
LIVESTOCK & HARVEST AREA FLOOR PLAN

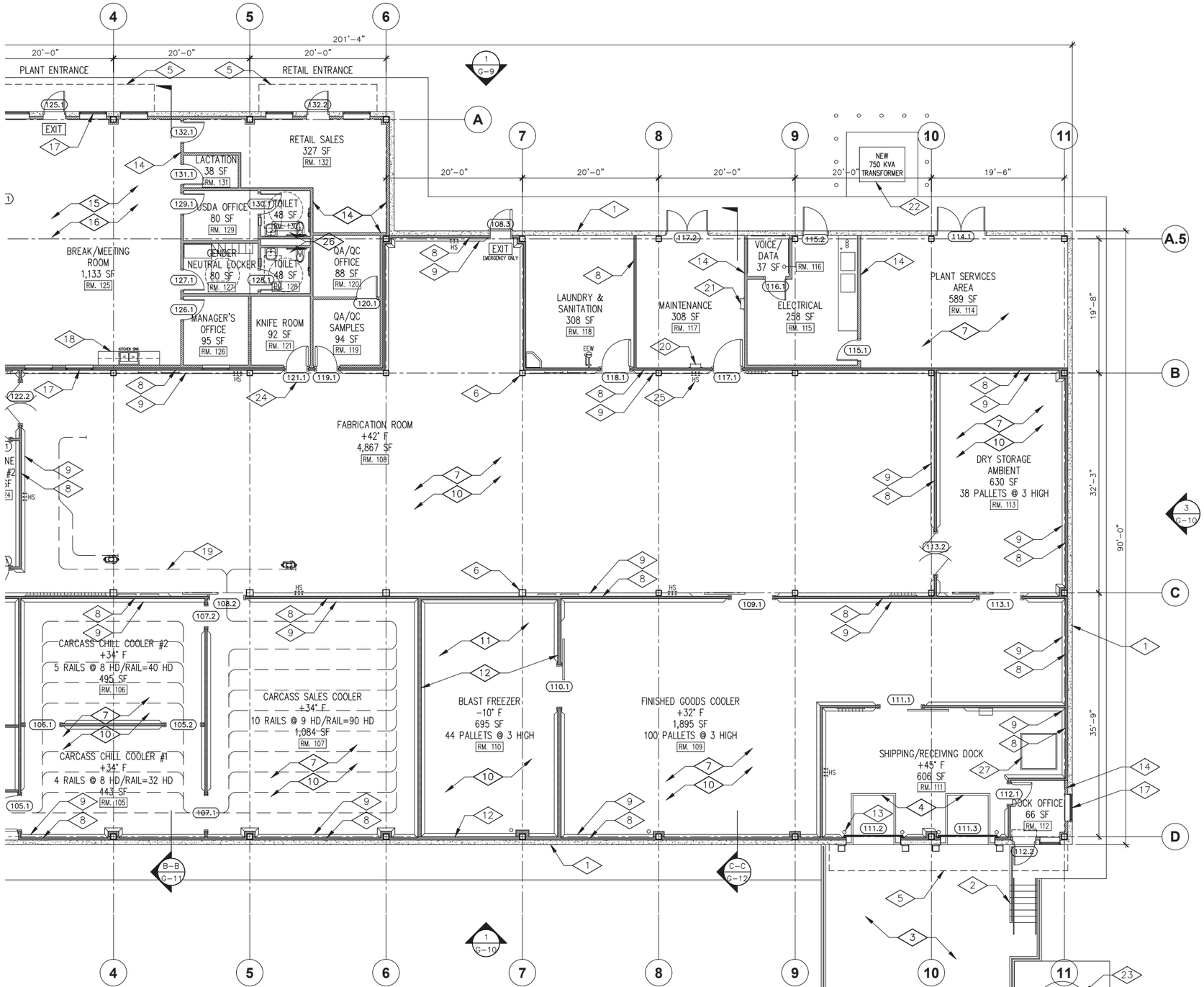
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/8"=1'-0"

APPROVED:
CHIEF ENGINEER — DATE

DRAWING NO. G-5

SHEET NO. 9 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



KEY NOTES

1. CONCRETE EXTERIOR WALL PANELS, SEE STRUCTURAL
2. CONCRETE STAIR WITH HANDRAILS AND GUARDRAIL
3. TRUCK WELL AND DOCK DOORS FOR TRUCK LOADING/UNLOADING
4. HORIZONTAL DOCK LEVELER SYSTEM W/ LEVELER PIT, TRAILER SEALS, DOCK BUMPERS, TRAILER RESTRAINT & CONTROLLER
5. CANOPY OVER DOCK DOORS AND ENTRANCES, SEE DETAIL ON SHEET G-17
6. STEEL COLUMN, TYPICAL, SEE STRUCTURAL
7. 8" THICK, SEALED, REINFORCED CONCRETE FLOOR SLAB, SLOPED TO DRAIN WHERE REQUIRED, SEE SHEET G-15 FOR FINISH
8. 4" THICK ISOCYANURATE INSULATED METAL WALL PANELS WITH WHITE KYNAR FINISH, R 28 MIN., TYPICAL, SEE DETAILS ON SHEETS G-17 AND G-18
9. 6" THICK x 12" HIGH CONCRETE CURB, TYPICAL, SEE DETAILS ON SHEET G-18
10. 6" THICK ISOCYANURATE INSULATED METAL CEILING PANELS WITH WHITE KYNAR FINISH, R 40 MIN., TYPICAL, SEE DETAILS ON SHEET G-17
11. 8" THICK, SEALED, REINFORCED CONCRETE FLOOR SLAB OVER TWO 3 1/2" THICK LAYERS OF DOW FREEZER MATE INSULATION OVER 10 MIL. VAPOR BARRIER OVER 3" THICK MIN. MUD SLAB OVER UNDERFLOOR HEATING SYSTEM, SEE DETAIL ON SHEET G-18
12. 6" THICK ISOCYANURATE INSULATED METAL WALL PANELS WITH WHITE KYNAR FINISH, R 36 MIN. (TYP.)
13. 6" DIA. x 5' HIGH CONCRETE FILLED, SCH. 40 GALVANIZED STEEL PIPE BOLLARD, TYPICAL INTERIOR
14. METAL STUD & GYP. BOARD WALLS, TYPICAL, SEE SHEET G-15 FOR FINISH
15. 2'x2'x5/8" ACOUSTICAL LAY-IN CEILING GRID
16. 6" THICK, SEALED, CONCRETE FLOOR SLAB, SEE SHEET G-15 FOR FINISH
17. DOUBLE GLAZED WINDOW, TYPICAL, SEE DETAILS ON SHEET G-19
18. BUILT-IN MILLWORK, SEE DETAILS ON SHEET G-23
19. OVERHEAD RAIL SYSTEM, TYPICAL, BY EQUIPMENT CONTRACTOR
20. LADDER TO INTERSTITIAL SPACE ABOVE WALKABLE CEILING
21. LADDER TO ROOF HATCH
22. PROPOSED ELECTRICAL TRANSFORMER LOCATION, SEE ELECTRICAL
23. PROPOSED LOCATION FOR LIQUID NITROGEN TANK
24. DOOR NUMBER, TYPICAL, SEE DOOR SCHEDULE ON SHEET G-16
25. CURB MOUNTED HOSE STATION, TYPICAL, SEE PLUMBING
26. SEE TOILET ELEVATIONS ON SHEET G-23
27. FLOOR SCALE PIT

GENERAL NOTES

1. SEE SHEET G-4 FOR OVERALL FLOOR PLAN.
2. SEE SHEET G-5 FOR ENLARGED LIVESTOCK AND HARVEST AREA FLOOR PLAN.
3. SEE SHEETS G-9 AND G-10 FOR BUILDING ELEVATIONS.
4. SEE SHEETS G-11 AND G-12 FOR BUILDING SECTIONS.
5. SEE SHEET G-15 FOR ROOM FINISH SCHEDULE.
6. SEE SHEET G-16 FOR DOOR SCHEDULE.
7. SEE SHEETS G-17 AND G-18 FOR INSULATED PANEL AND CURB/FLOOR DETAILS.
8. SEE SHEET G-23 FOR TOILET AND BREAK ROOM DETAILS.

1 G-4 FABRICATION AREA FLOOR PLAN

1/8"=1'-0"

0 2 4 6 8 10

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
FABRICATION AREA FLOOR PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/8"=1'-0"

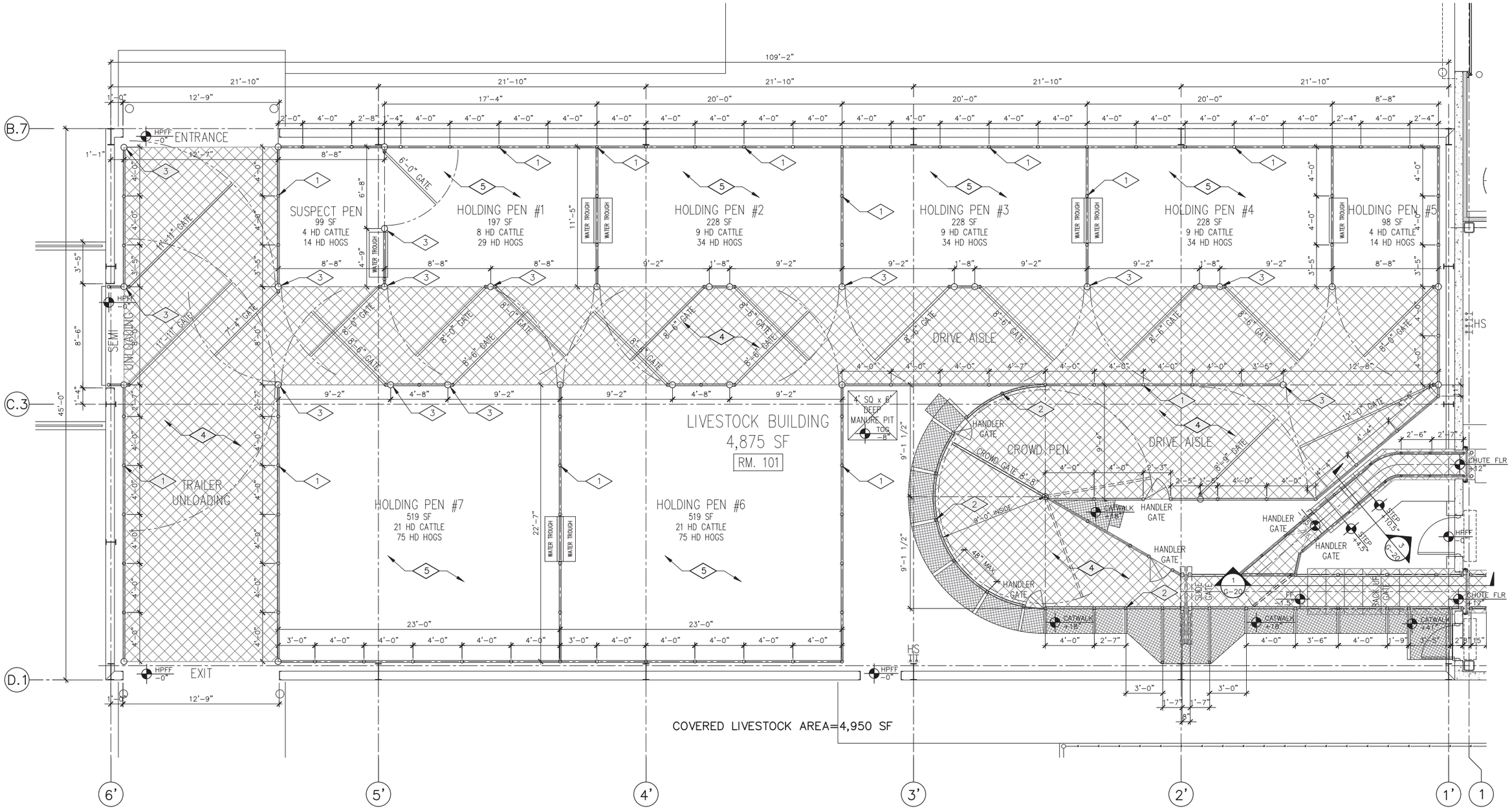
APPROVED:

CHIEF ENGINEER — DATE

DRAWING NO. G-6

SHEET NO. 10 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



KEY NOTES

1. OPEN SIDED FENCE, TYPICAL, SEE DETAIL 4 ON SHEET G-20.
2. SOLID SIDED FENCE, TYPICAL, SEE DETAIL 5 ON SHEET G-20.
3. 4" DIA. GATE POST, TYPICAL, SEE DETAIL 6 ON SHEET G-20.
4. AREA OF DEEP GROOVE CONCRETE FINISH, TYPICAL.
5. AREA OF ROUGH CONCRETE ROLLER TAMP FINISH, TYPICAL.

GENERAL NOTES

1. SEE SHT. G-20 FOR LIVESTOCK AREA DETAILS

1/G-5 ENLARGED LIVESTOCK AREA PLAN

1/4"=1'-0"

0 1 2 3 4 5

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

FOR PLANNING PURPOSES ONLY

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
ENLARGED LIVESTOCK AREA PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/4"=1'-0"

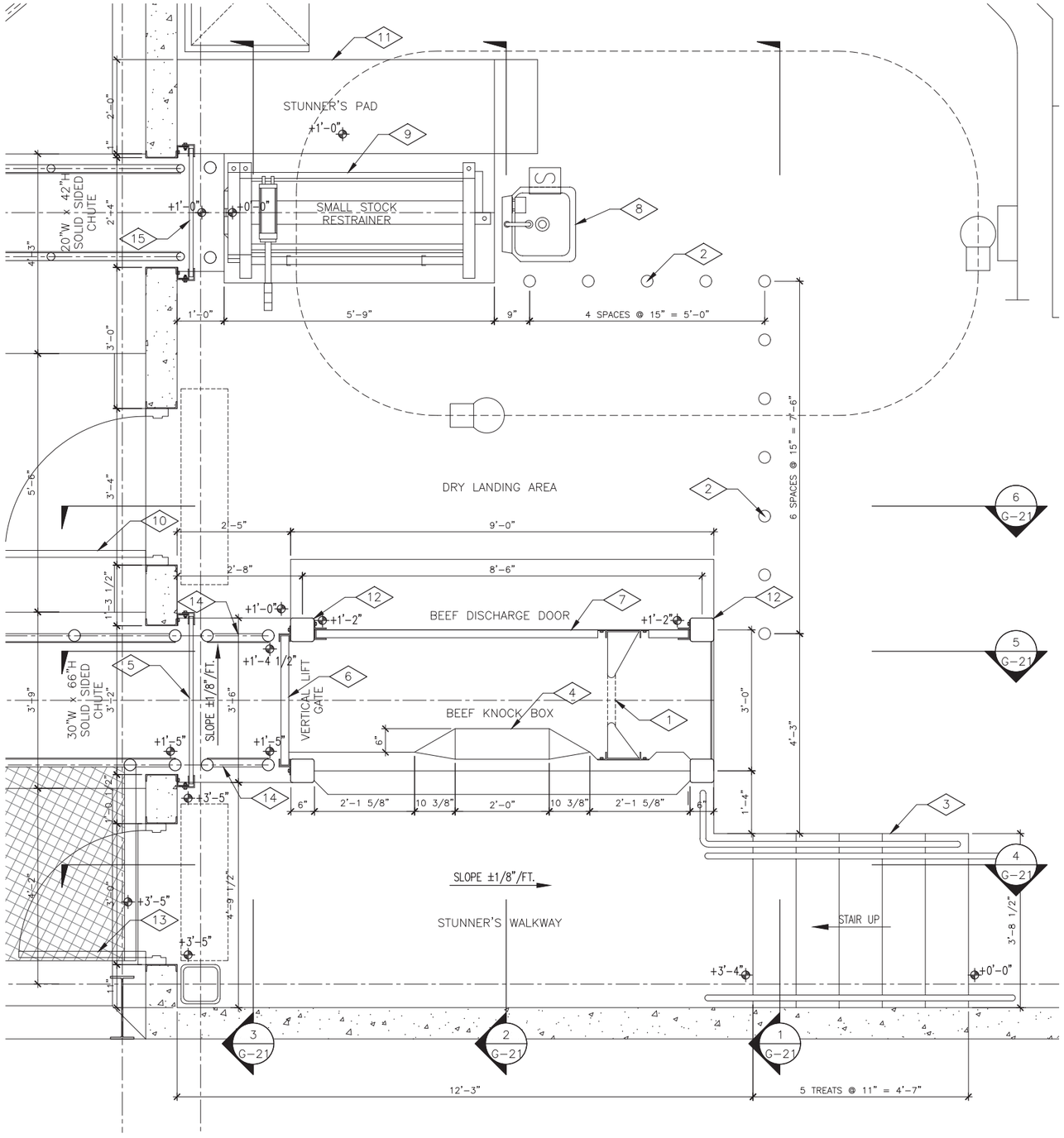
APPROVED:

CHIEF ENGINEER — DATE

DRAWING NO. G-7

SHEET NO. 11 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



KEY NOTES

1. HEAD RESTRAINT, PROVIDED BY DISCHARGE DOOR EQUIPMENT VENDOR
2. VERTICAL PIPE SAFTEY FENCE, 3"ø x 42" HIGH, SCH. 40 GALV. PIPE BOLLARDS SET 18" INTO CONCRETE, CAP W/ WELD-ON PIPE CAP
3. CONCRETE STEPS WITH HANDRAILS
4. CONCRETE ABUTMENT TO AID IN ANIMAL ROLLING OUT OF STUN PEN
5. 38"W x 84"H STEEL ROLL-UP DOOR, SEE DOOR SCHEDULE
6. STUNNING PEN ANIMAL ENTRANCE PNEUMATIC LIFT GATE W/ 3"ø CYLINDER, PROVIDED BY EQUIPMENT VENDOR
7. STUNNING PEN DISCHARGE PNEUMATIC LIFT DOOR W/ TWO 4"ø CYLINDERS & HEAD RESTRAINT, PROVIDED BY EQUIPMENT VENDOR
8. HAND SINK, SEE PLUMBING
9. SMALL ANIMAL RESTRAINER
10. 36"W x 84"H ACCESS DOOR, SEE DOOR SCHEDULE
11. 12" HIGH CONCRETE PAD FOR SMALL ANIMAL STUNNER
12. 6"x6"x3/8" STEEL SQ. TUBE FRAMEWORK FOR LIFT GATES, BY GENERAL CONTRACTOR
13. 32"W x 84"H ACCESS DOOR, SEE DOOR SCHEDULE
14. 66" HIGH STEEL PIPE CATTLE FENCE/CHUTE W/ SOLID STEEL SIDE, SEE LIVESTOCK PEN DETAILS
15. 28"W x 84"H STEEL ROLL-UP DOOR, SEE DOOR SCHEDULE

GENERAL NOTES

1. SEE SHT. G-21 FOR STUNNING AREA DETAILS

1 G-5 ENLARGED STUNNING AREA PLAN

3/4"=1'-0"

0 1 2 3

N

REFERENCE ONLY

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FOR PLANNING PURPOSES ONLY

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
ENLARGED STUNNING AREA PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 3/4"=1'-0"

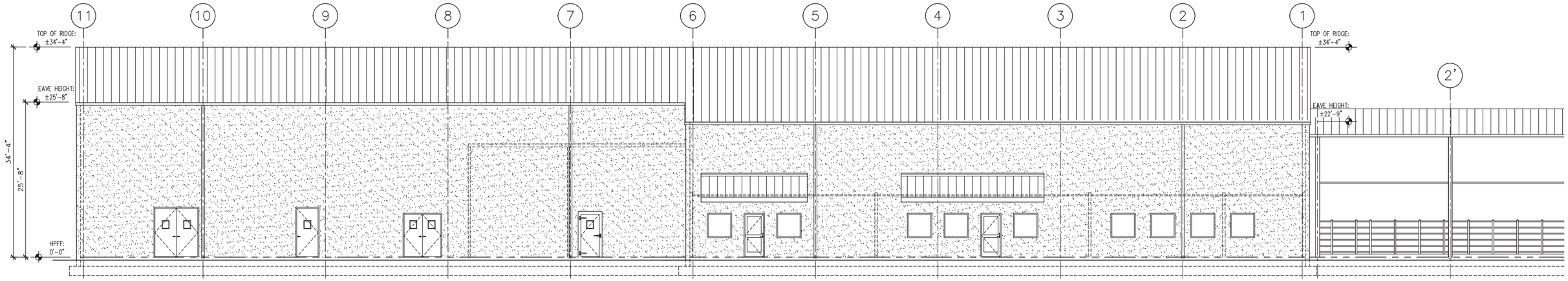
APPROVED:

CHIEF ENGINEER DATE

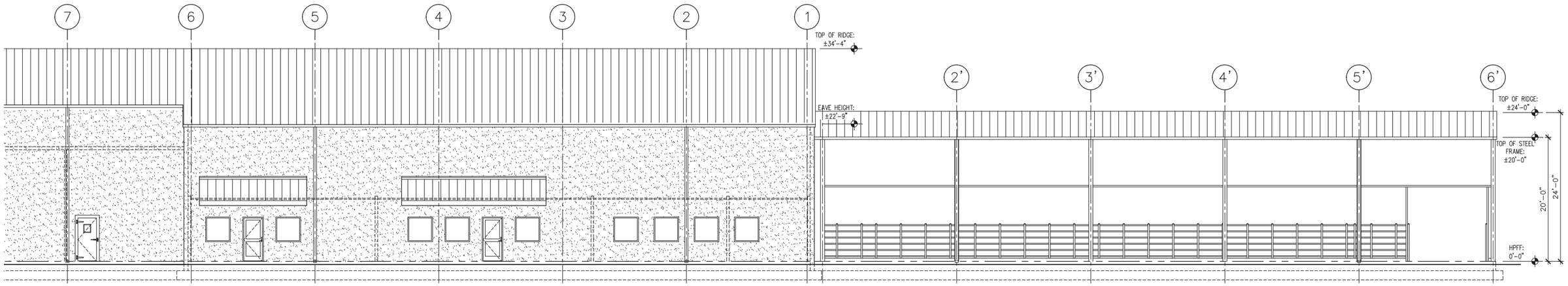
DRAWING NO. G-8

SHEET NO. 12 OF 106 SHEETS

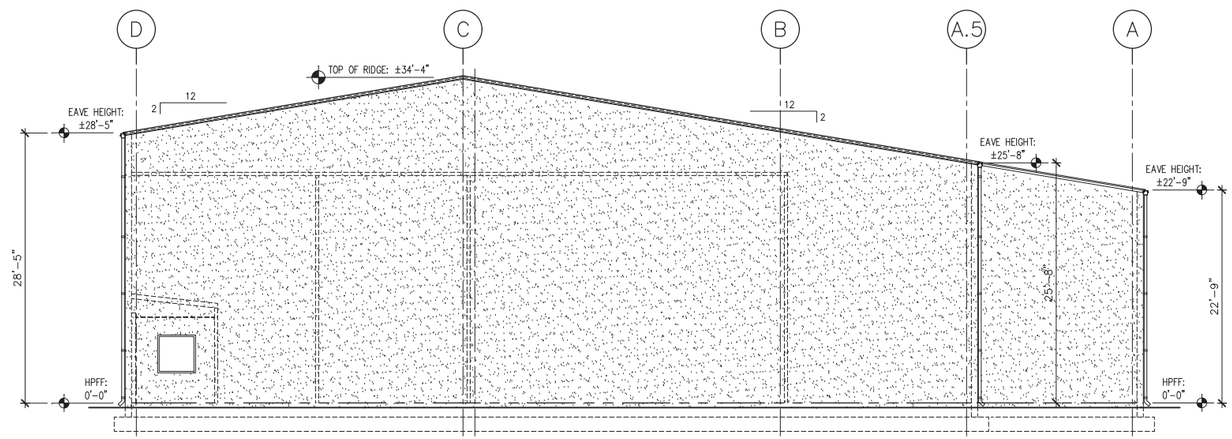
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



1 G-4 BUILDING NORTH ELEVATION
1/8"=1'-0"



2 G-4 BUILDING NORTH ELEVATION
1/8"=1'-0"



3 G-4 BUILDING EAST ELEVATION
1/8"=1'-0"

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

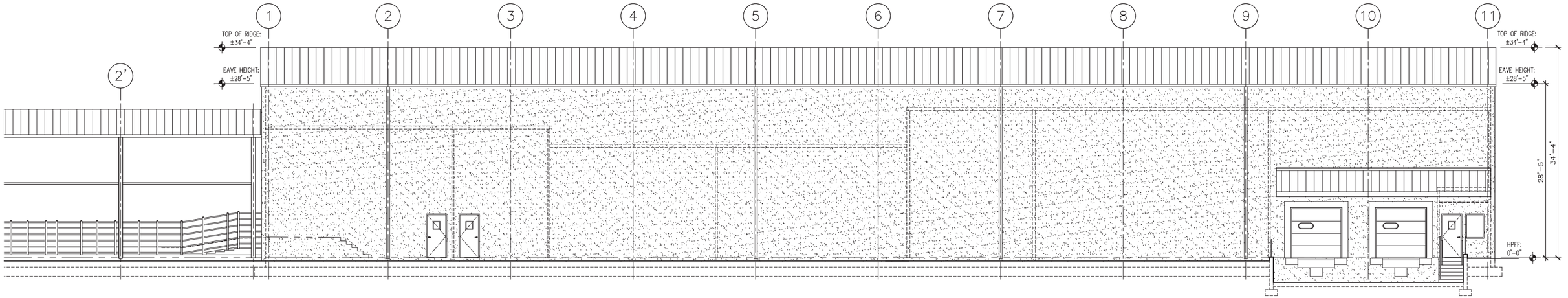
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
BUILDING ELEVATIONS

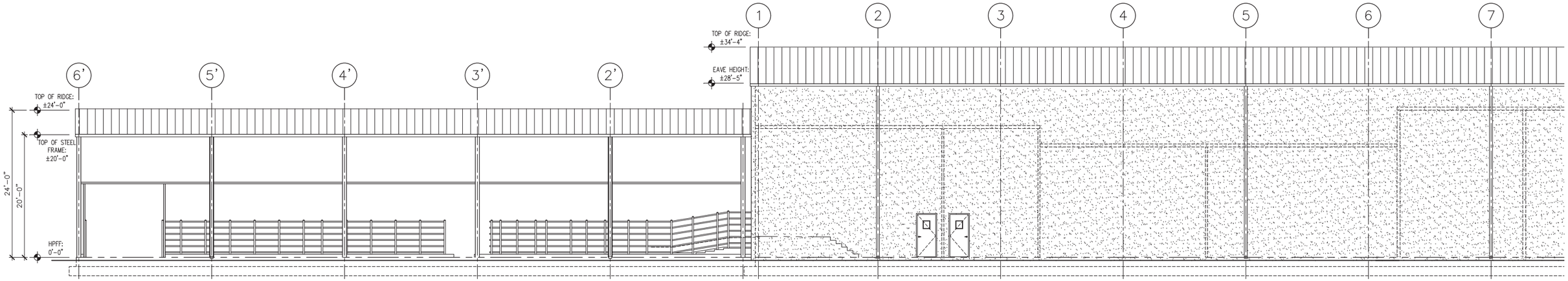
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/8"=1'-0"

APPROVED: _____ CHIEF ENGINEER _____ DATE

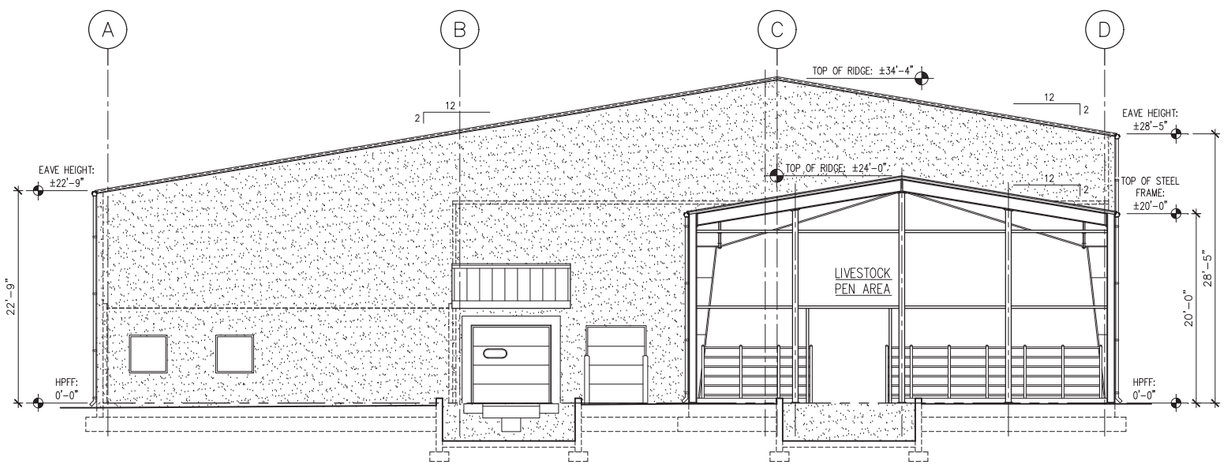
DRAWING NO. G-9



1 / G-4 BUILDING SOUTH ELEVATION
1/8"=1'-0"



2 / G-4 BUILDING SOUTH ELEVATION
1/8"=1'-0"



3 / G-4 BUILDING WEST ELEVATION
1/8"=1'-0"

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SELECTED SITE MAY ALTER DESIGN

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
BUILDING ELEVATIONS

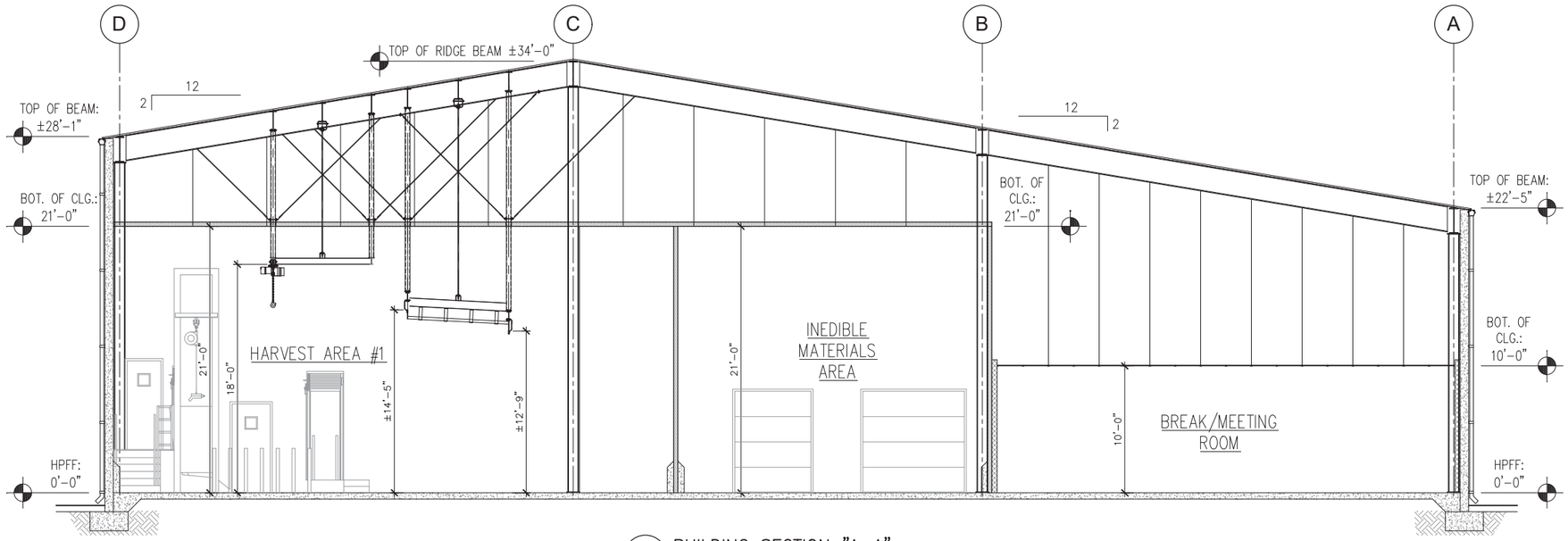
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/8"=1'-0"

APPROVED:
CHIEF ENGINEER — DATE

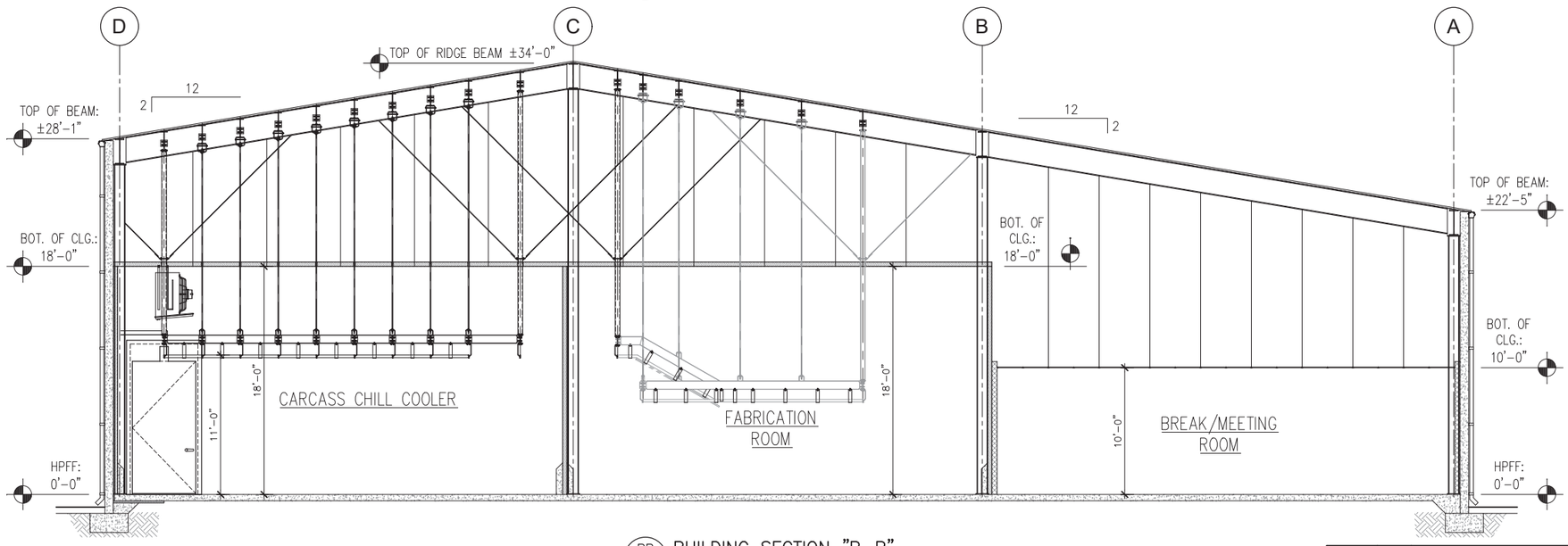
DRAWING NO. G-10

SHEET NO. 14 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



AA / G-4 BUILDING SECTION "A-A"
3/16"=1'-0"



BB / G-4 BUILDING SECTION "B-B"
3/16"=1'-0"

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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

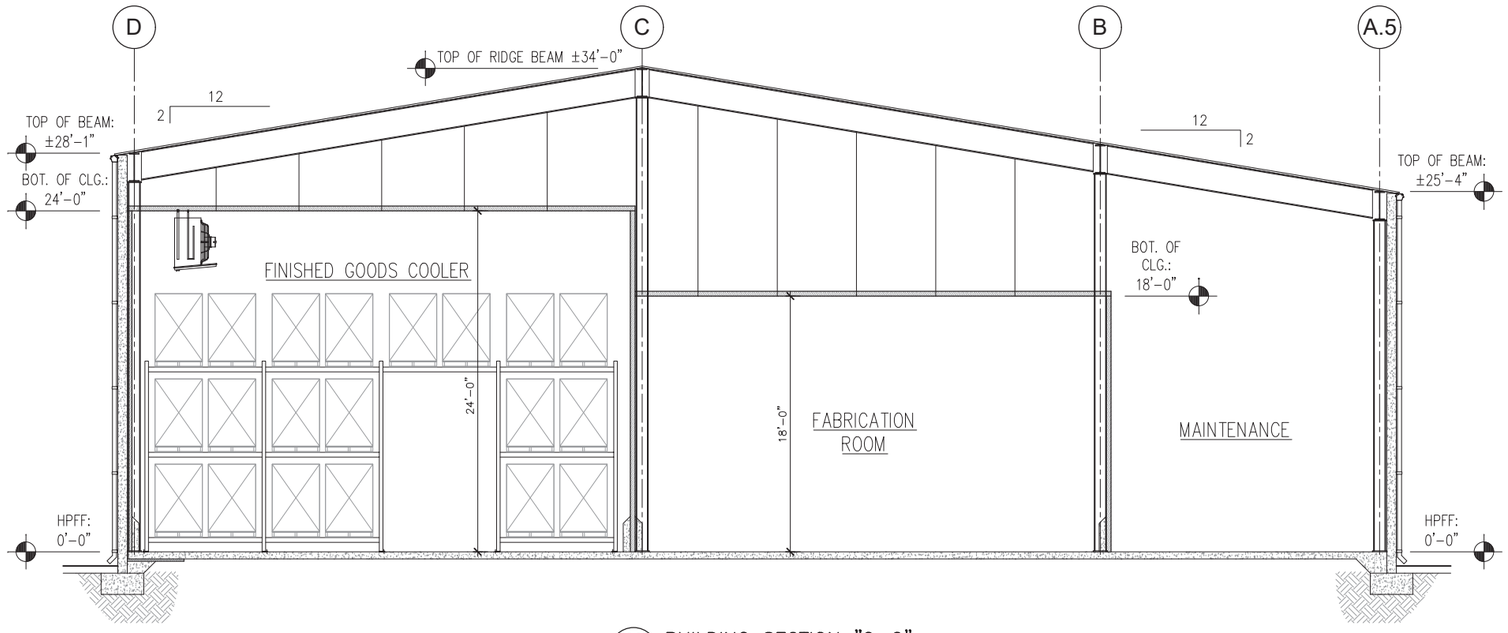
SHEET TITLE
BUILDING SECTIONS

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 3/16"=1'-0"

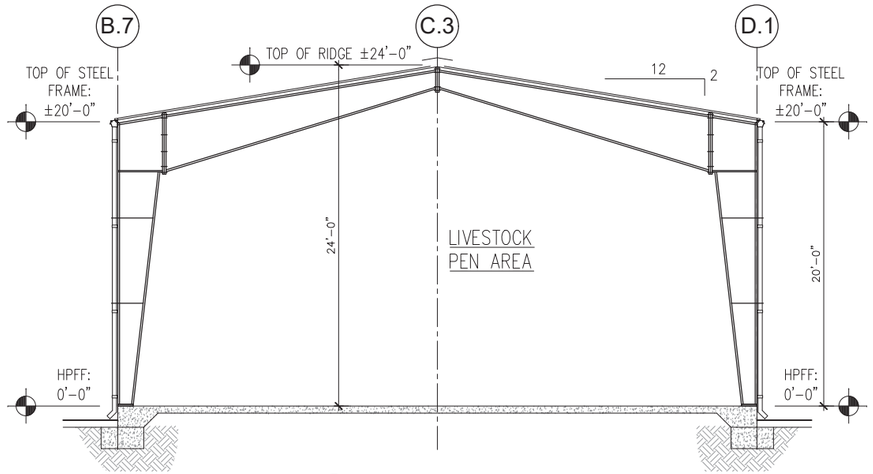
APPROVED:
CHIEF ENGINEER DATE

DRAWING NO. G-11

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



CC / G-4 BUILDING SECTION "C-C"
3/16"=1'-0"



DD / G-4 BUILDING SECTION "D-D"
3/16"=1'-0"

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
BUILDING SECTIONS

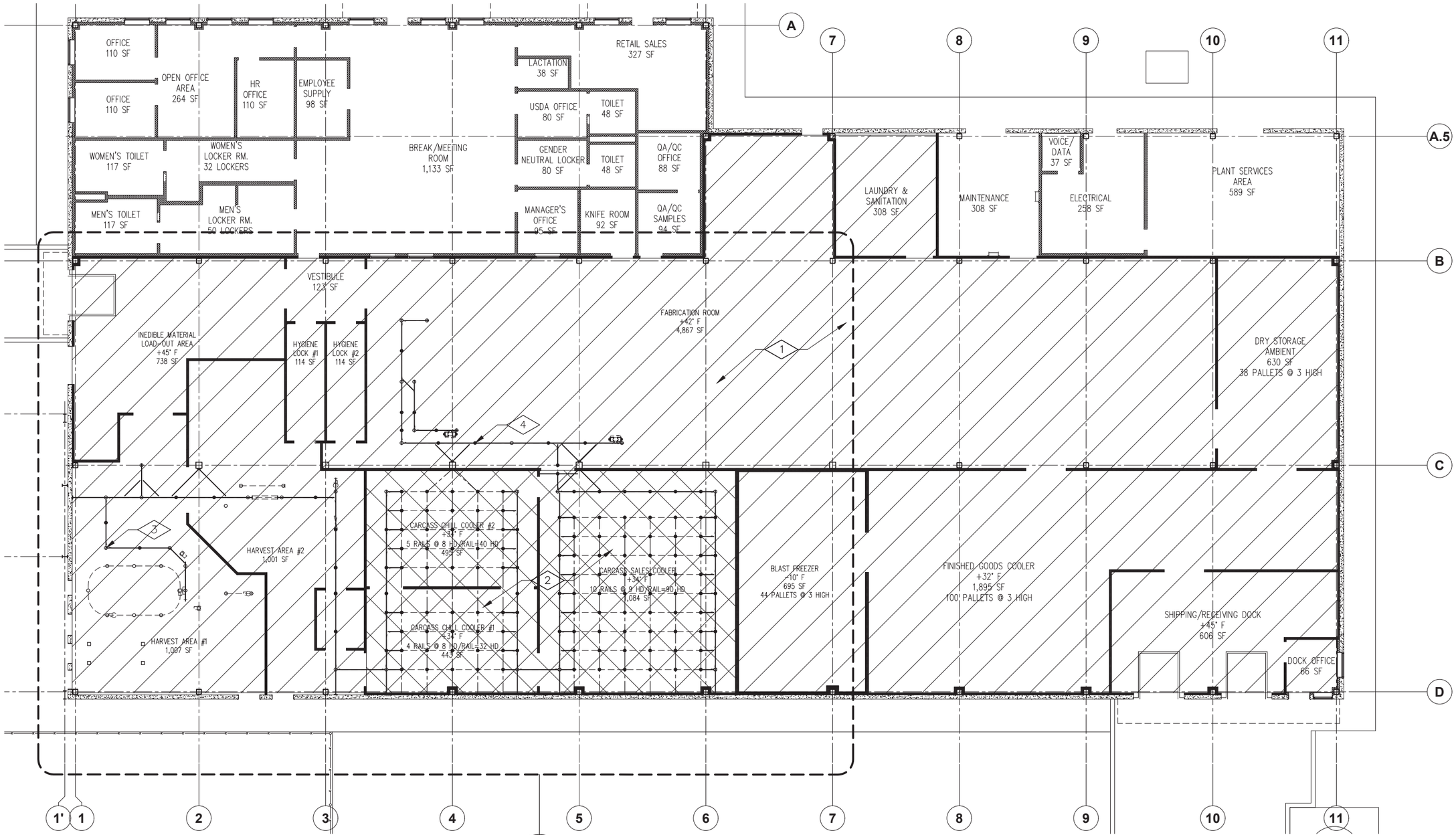
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 3/16"=1'-0"

APPROVED:
CHIEF ENGINEER
DATE

DRAWING NO.
G-12

SHEET NO. 16 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



1
G-14

SEE ENLARGED PLAN

1 EQUIPMENT ROOF LOADING PLAN

1/8"=1'-0"

0 2 4 6 8 10

KEY NOTES

1. AREA (SINGLE HATCHED) OF INSULATED METAL PANEL CEILING HUNG FROM ROOF STRUCTURE (3#/S.F. D.L. & 20#/S.F. L.L. NOT IN ADDITION TO ROOF L.L.) CEILING PANELS RUN PERPENDICULAR TO FRAME LINES WITH HANGER RODS +/- 5' O.C. ON FRAME LINES & FROM MID SPAN OF PURLINS, 50 S.F./HANGER, 1,150#EACH, SEE DETAILS 10 & 11 ON SHT. G-17.
2. AREA (CROSS HATCHED) OF 155#/SF HANGING CARCASS LOAD, CONVEYOR SUPPORT HANGERS THIS AREA 2,400# EA. TYP. MOVING LOAD, SEE ENLARGED PLAN ON SHT. G-14.
3. HARVEST AREAS, CONVEYOR SUPPORT HANGERS THIS AREA 3,500# EA. TYP. MOVING LOAD, SEE ENLARGED PLAN ON SHT. G-14.
4. FABRICATION AREA, CONVEYOR SUPPORT HANGERS THIS AREA 2,000# EA. TYP. MOVING LOAD, SEE ENLARGED PLAN ON SHT. G-14.

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
EQUIPMENT ROOF LOADING PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/8"=1'-0"

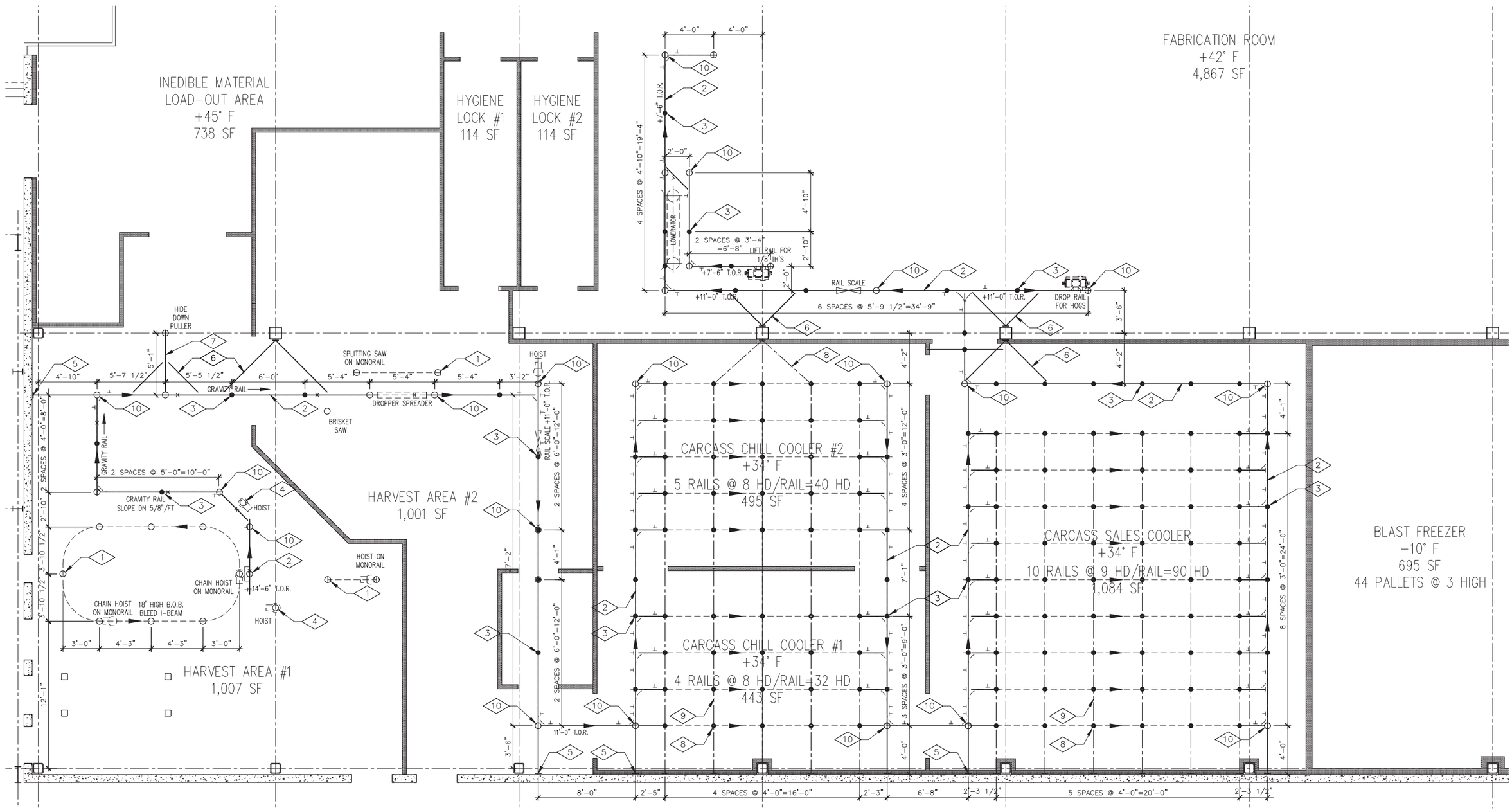
APPROVED:

CHIEF ENGINEER — DATE

DRAWING NO. G-13

SHEET NO. 17 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



KEY NOTES

1. MONORAIL SUPPORT PIPE DROP, TYPICAL, SEE DETAILS 1, 2 & 3 ON SHEET G-22
2. W8x10# RAIL SUPPORT BEAM, TYPICAL, SEE DETAIL 9 ON SHEET G-22
3. RAIL BEAM SUPPORT DROP ROD, TYPICAL, SEE DETAILS 4, 5 & 6 ON SHEET G-22
4. HOIST SUPPORT PIPE DROP, SIMILAR TO DETAILS 1, 2 & 3 ON SHEET G-22
5. EXTEND RAIL SUPPORT BEAM AND ANCHOR TO CONCRETE WALL PANEL FOR LATERAL BRACING, TYPICAL
6. 4"x4"x1/4" GALVANIZED ANGLE DIAGONAL BRACE, TYPICAL
7. W8x10# HIDE PULLER HOIST SUPPORT BEAM
8. BEAMLESS COOLER DROP ROD, TYPICAL, SEE DETAIL 12 ON SHEET G-22
9. 2 1/2"x2 1/2"x1/4" GALVANIZED ANGLE LATERAL BRACE, TYPICAL, SEE DETAIL 12 ON SHEET G-22
10. RAIL BEAM SUPPORT PIPE DROP, TYPICAL, SEE DETAILS 1, 2 & SIM. TO 3 ON SHEET G-22

1/- RAIL BEAM FRAMING PLAN

1/4"=1'-0"

0 1 2 3 4 5

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SELECTED SITE MAY ALTER DESIGN

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE: RAIL BEAM FRAMING PLAN

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** 1/4"=1'-0"

APPROVED: _____ _____
CHIEF ENGINEER DATE

DRAWING NO. G-14

SHEET NO. 18 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY

ROOM FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR	BASE				WALLS				CEILING	REMARKS	RM NO
			N	E	S	W	N	E	S	W			
101	LIVESTOCK BUILDING	1.4 & 1.6	2.4	2.4	2.4	2.4	3.4	3.1	3.4	3.4	4.1		101
102	HARVEST AREA #1	1.1	2.0	2.0	2.3	2.3	3.0	3.0	3.1	3.1	4.0		102
103	HARVEST AREA #2	1.1	2.0	2.0	2.3	2.0	3.0	3.0	3.1	3.0	4.0		103
104	INEDIBLE MATERIALS LOAD-OUT	1.1	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		104
105	CARCASS CHILL COOLER #1	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		105
106	CARCASS CHILL COOLER #2	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		106
107	CARCASS SALES COOLER	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		107
108	FABRICATION ROOM	1.1	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		108
109	FINISHED GOODS COOLER	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		109
110	BLAST FREEZER	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		110
111	SHIPPING/RECEIVING DOCK	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		111
112	DOCK OFFICE	1.0	2.3	2.3	2.3	2.3	3.0	3.2	3.2	3.0	4.0		112
113	DRY STORAGE	1.5	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		113
114	PLANT SERVICES	1.5	2.3	2.3	2.3	2.3	3.1	3.1	3.0	3.2	4.2		114
115	ELECTRICAL	1.0	2.3	2.3	2.3	2.3	3.1	3.2	3.0	3.2	4.2		115
116	VOICE/DATA	1.0	2.3	2.3	2.3	2.3	3.1	3.2	3.2	3.2	4.2		116
117	MAINTENANCE	1.0	2.3	2.3	2.3	2.3	3.1	3.2	3.0	3.0	4.2		117
118	LAUNDRY & SANITATION	1.0	2.3	2.3	2.3	2.3	3.1	3.0	3.0	3.0	4.0		118
119	QA/QC SAMPLES	1.0	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		119
120	QA/QC OFFICE	1.0	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		120
121	KNIFE ROOM	1.0	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		121
122	VESTIBULE	1.1	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		122
123	HYGIENE LOCK #1	1.1	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		123
124	HYGIENE LOCK #2	1.1	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0		124
125	BREAK/MEETING ROOM	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		125
126	MANAGER'S OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		126
127	GENDER NEUTRAL LOCKER	1.3	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.4		127
128	TOILET	1.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	4.4		128
129	USDA OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		129
130	TOILET	1.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	4.4		130
131	LACTATION	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		131
132	RETAIL SALES	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		132
133	OPEN OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		133
134	HR OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		134
135	OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		135
136	OFFICE	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		136
137	WOMEN'S LOCKER ROOM	1.3	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.4		137
138	WOMEN'S TOILET	1.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	4.4		138
139	MEN'S LOCKER ROOM	1.3	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.4		139
140	MEN'S TOILET	1.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	4.4		140
141	EMPLOYEE SUPPLY	1.2	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	4.3		141

FLOOR

1.0	CONCRETE W/ SMOOTH STEEL TROWELED FINISH & CLEAR ASHFORD FORMULA SEALER
1.1	1/4" TROWEL-ON URETHANE FLOOR TOPPING W/ INTEGRAL COVE BASE, TUFFCO OR APPROVED EQUAL
1.2	12"x12" VINYL COMPOSITION TILE, COLOR TBD
1.3	1/8" DURA-QUARTZ SEAMLESS EPOXY W/ CLEAR TOP COAT
1.4	CONCRETE W/ DEEP GROOVE FINISH & CLEAR ASHFORD FORMULA SEALER
1.5	CONCRETE W/ LIGHT BROOM FINISH & CLEAR ASHFORD FORMULA SEALER
1.6	CONCRETE W/ ROUGH ROLLER TAMP FINISH & CLEAR ASHFORD FORMULA SEALER

BASE

2.0	6" THICK x 24" HIGH CONC. CURB WITH 1" RADIUS COVE BASE, TOP SLOPED 4" BACK TO FRONT AND SMOOTH STEEL TROWEL FINISH
2.1	4" HIGH VINYL COVE BASE TO MATCH FLOOR
2.2	6" HIGH TILE COVE BASE TO MATCH FLOOR
2.3	NO BASE
2.4	8" THICK x 8" HIGH CONC. CURB, TOP SLOPED 2" BACK TO FRONT AND SMOOTH STEEL TROWEL FINISH

WALLS

3.0	4" OR 6" THICK URETHANE INSULATED METAL WALL PANELS WITH 26 GA. SKIN, LIGHT MESA PATTERN 3 ON BOTH SIDES. PANELS SHALL HAVE WHITE, KYNAR, FACTORY FINISH ON BOTH SIDES BY METL-SPAN OR APPROVED EQUAL.
3.1	8" CONCRETE W/ PAINTED FINISH
3.2	3 5/8" OR 6" METAL STUDS WITH 5/8" GYP. BOARD BOTH SIDES WITH BATT INSULATION & PAINTED FINISH
3.3	3 5/8" METAL STUDS WITH 12"x12" CERAMIC OR PORCELAIN TILE OVER 1/2' CEMENT BOARD
3.4	OPEN TO EXTERIOR

CEILING / ROOF

4.0	6" THICK URETHANE INSULATED METAL CEILING PANELS WITH 26 GA. SKIN, LIGHT MESA PATTERN 3 ON BOTH SIDES. PANELS SHALL HAVE WHITE, KYNAR, FACTORY FINISH ON BOTH SIDES BY METL-SPAN OR APPROVED EQUAL.
4.1	OPEN TO STANDING SEAM INSULATED METAL ROOF SYSTEM BY BLDG. MFR.
4.2	OPEN TO STRUCTURAL ROOF W/ STANDING SEAM INSULATED METAL ROOF SYSTEM BY METL SPAN OR APPROVED EQUAL
4.3	24"x24" ACOUSTIC CEILING PANELS IN T-BAR GRID
4.4	PAINTED GYP. BOARD CEILING

ROOM FINISH GEN. NOTES

1. PROVIDE NON-ABSORBENT INTERIOR FINISHES.

2. PAINTS, COATINGS AND FINISH MATERIALS SHALL COMPLY WITH HAWAII BUILDING CODE REQUIREMENTS FOR FINISHES.

3. GEN. CONTRACTOR SHALL PROVIDE MANUFACTURER'S PRODUCT SPECIFICATIONS.

4. ADHESIVES, SEALANTS, AND CAULKS SHALL COMPLY WITH LOCAL OR STATEWIDE AIR POLLUTION CONTROL RULES, CODE OF REGULATION AND GREEN BUILDING STANDARDS (IF REQUIRED).

5. INDOOR MOISTURE CONTROL – BUILDING SHALL MEET OR EXCEED THE PROVISIONS OF HAWAII BUILDING CODE.

6. ALL FLOORS, COVE BASE, WALLS AND CEILING SHALL BE SMOOTH, DURABLE, WASHABLE AND NON-ABSORBENT.

7. ALL INTERIOR FINISHES SHALL CONFORM TO THE SECTIONS OF THE HAWAII BUILDING CODE.

8. ALL GYP. BD. WALLS TO RECEIVE TWO COATS OF EGGSHELL/ORANGE PEEL INTERIOR LATEX PAINT, SHERWIN-WILLIAMS OR APPROVED EQUAL.

9. AFTER SURFACE PREPARATION, ALL EXPOSED EXTERIOR CONCRETE WALL SURFACES ARE TO RECEIVE ONE COAT OF FILLER AND TWO COATS OF EXTERIOR LATEX PAINT, SHERWIN-WILLIAMS OR APPROVED EQUAL.

10. IN PRODUCTION AREAS, AFTER SURFACE PREPARATION, ALL EXPOSED CONCRETE WALL SURFACES AND ALL STEEL COLUMNS SHALL BE COATED WITH A TWO-PART EPOXY SEALER.

11. AFTER SURFACE PREPARATION, ALL STEEL STRUCTURAL ELEMENTS IN THE LIVESTOCK BUILDING AND ALL EXPOSED INTERIOR STEEL SURFACES ARE TO RECEIVE ONE COAT OF PRIMER AND TWO COATS OF ACRYLIC PAINT, SHERWIN-WILLIAMS OR APPROVED EQUAL.

12. INTERIOR STRUCTURAL STEEL IN MAINTENANCE, ELECTRICAL, VOICE DATA AND PLANT SERVICES AREA, SHOP PRIMER FINISH IS ACCEPTABLE. DAMAGE TO PAINTED STEEL DURING TRANSPORTATION AND ERECTION SHALL BE TOUCHED UP WITH MATCHING SHOP PRIMER.

13. HOT DIP GALVANIZED FINISH IS REQUIRED ON EXPOSED STEEL COLUMNS IN PRODUCTION AREAS AS WELL AS HANDRAILS AND GUARDRAILS ON EXTERIOR CONCRETE STAIRS, CONDENSER PLATFORM STRUCTURE, GRATING & GUARDRAILS AND FOR EXPOSED EXTERIOR STEEL SUCH AS LINTELS, CANOPIES, GUARDRAILS, ETC.

14. FILL ALL FLOOR SLAB JOINTS WITH TREMCO THC-900 SELF-LEVELING POLYURETHANE JOINT FILLER.

15. SEAL ALL INTERIOR IMP PANEL JOINTS WITH MATCHING SILICONE CAULKING.

16. THERMAL ENVELOPE MINIMUM INSULATION VALUES (SEE ALSO MECHANICAL):
WALLS : R19
ROOF : R40
FLOOR : R16
WINDOWS : U = 0.29; SHGC = 0.22

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

FOR PLANNING PURPOSES ONLY

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
ROOM FINISH SCHEDULE

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** NONE

APPROVED:
CHIEF ENGINEER DATE

DRAWING NO. G-15

SHEET NO. 19 OF 106 SHEETS

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY

DOOR SCHEDULE

DOOR NO.	ROOM NAME & NO.	DOOR SIZE	DOOR					FRAME		DETAILS			REMARKS	DOOR NO.
			TYPE	MAT	FIN	HDW	GLAZE/ LOUVER	MAT	FIN	HEAD	JAMB	SILL		
101.1	LIVESTOCK BUILDING – 101	3'–0" x 7'–0"	–	–	–	–	–	6.3	9.1	–	–	–		101.1
101.2	LIVESTOCK BUILDING – 101	12'–9" x 12'–0"	–	–	–	–	–	6.3	9.1	–	–	–		101.2
101.3	LIVESTOCK BUILDING – 101	8'–6" x 10'–0"	–	–	–	–	–	6.3	9.1	–	–	–		101.3
101.4	LIVESTOCK BUILDING – 101	12'–9" x 12'–0"	–	–	–	–	–	6.3	9.1	–	–	–		101.4
102.1	HARVEST AREA #1 – 102	2'–8" x 7'–0"	G	5.0	9.0	7.0	8.0	6.1	9.0	1/G19	1/G19	–		102.1
102.2	HARVEST AREA #1 – 102	3'–2" x 8'–0"	D	5.7	9.1	7.0	–	–	–	–	6/G19	–		102.2
102.3	HARVEST AREA #1 – 102	3'–0" x 7'–0"	G	5.0	9.0	7.0	8.0	6.1	9.0	1/G19	1/G19	–		102.3
102.4	HARVEST AREA #1 – 102	2'–4" x 7'–0"	D	5.7	9.1	7.0	–	–	–	–	6/G19	–		102.4
102.5	HARVEST AREA #1 – 102	3'–0" x 7'–0"	G	5.0	9.0	7.0/7.2	8.0	6.1	9.0	1/G19	1/G19	12/G19		102.5
103.1	HARVEST AREA #2 – 103	3'–0" x 7'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		103.1
103.2	HARVEST AREA #2 – 103	7'–0" x 14'–0"	–	–	–	–	–	6.4	9.0	SIM 3/G19	SIM 3/G19	–		103.2
103.3	HARVEST AREA #2 – 103	3'–0" x 7'–0"	G	5.0	9.0	7.0/7.2	8.0	6.1	9.0	1/G19	1/G19	12/G19		103.3
104.1	INEDIBLE MAT'L LOAD–OUT – 104	PR. 3'–0" x 8'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		104.1
104.2	INEDIBLE MAT'L LOAD–OUT – 104	6'–0" x 8'–0"	E	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	–		104.2
104.3	INEDIBLE MAT'L LOAD–OUT – 104	6'–0" x 8'–0"	C	5.6	9.0	7.4	8.0	6.3	9.1	–	7/G19	–		104.3
104.4	INEDIBLE MAT'L LOAD–OUT – 104	8'–0" x 8'–0"	C	5.6	9.0	7.4	8.0	6.3	9.1	–	7/G19	–		104.4
105.1	CARCASS CHILL CLR #1 – 105	5'–0" x 10'–6"	B	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–	TRACK DOOR	105.1
105.2	CARCASS CHILL CLR #1 – 105	5'–0" x 12'–8"	–	–	–	–	–	6.4	9.0	SIM 3/G19	SIM 3/G19	–		105.2
106.1	CARCASS CHILL CLR #2 – 106	5'–0" x 12'–8"	–	–	–	–	–	6.4	9.0	SIM 3/G19	SIM 3/G19	–		106.1
107.1	CARCASS SALES COOLER – 107	5'–0" x 12'–8"	–	–	–	–	–	6.4	9.0	SIM 3/G19	SIM 3/G19	–		107.1
107.2	CARCASS SALES COOLER – 107	3'–0" x 7'–0"	–	–	–	–	–	6.4	9.0	SIM 3/G19	SIM 3/G19	–		107.2
108.1	FABRICATION ROOM – 108	3'–0" x 7'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		108.1
108.2	FABRICATION ROOM – 108	5'–0" x 10'–6"	A	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	–	TRACK DOOR	108.2
108.3	FABRICATION ROOM – 108	3'–0" x 7'–0"	H	5.1	9.0	7.0/7.2	–	6.1	9.0	–	3/G19	–		108.3
109.1	FINISHED GOODS COOLER – 109	6'–0" x 8'–0"	E	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	–		109.1
110.1	BLAST FREEZER – 110	6'–0" x 8'–0"	E	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	8/G19	HEATED HEAD AND JAMBS	110.1
111.1	SHIPPING/RECEIVING DOCK – 111	6'–0" x 8'–0"	E	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	–		111.1
111.2	SHIPPING/RECEIVING DOCK – 111	8'–0" x 8'–0"	C	5.6	9.0	7.4	8.0	6.3	9.1	–	7/G19	–		111.2
111.3	SHIPPING/RECEIVING DOCK – 111	8'–0" x 8'–0"	C	5.6	9.0	7.4	8.0	6.3	9.1	–	7/G19	–		111.3
112.1	DOCK OFFICE – 112	3'–0" x 7'–0"	H	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–		112.1
112.2	DOCK OFFICE – 112	3'–0" x 7'–0"	G	5.0	9.0	7.0	8.0	6.1	9.0	1/G19	1/G19	12/G19		112.2
113.1	DRY STORAGE – 113	6'–0" x 8'–0"	E	5.4	9.0	7.0	8.0	6.1	9.0	–	4/G19	–		113.1
113.2	DRY STORAGE – 113	PR. 3'–0" x 8'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		113.2
114.1	PLANT SERVICES – 114	PR. 3'–6" x 8'–0"	G	5.0	9.0	7.0	8.0	6.1	9.0	1/G19	1/G19	12/G19	ONE FIXED LEAF	114.1
115.1	ELECTRICAL – 115	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.0	–	2/G19	–		115.1
115.2	ELECTRICAL – 115	3'–6" x 8'–0"	G	5.0	9.0	7.0	8.0	6.1	9.1	1/G19	1/G19	12/G19		115.2
116.1	VOICE/DATA – 116	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.0	–	2/G19	–		116.1
117.1	MAINTENANCE – 117	3'–0" x 7'–0"	H	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–		117.1
117.2	MAINTENANCE – 117	PR. 3'–0" x 8'–0"	G	5.0	9.0	7.0	8.0	6.1	9.0	1/G19	1/G19		ONE FIXED LEAF	117.2
118.1	LAUNDRY & SANITATION – 118	3'–0" x 7'–0"	H	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–		118.1
119.1	QA/QC SAMPLES – 119	3'–0" x 7'–0"	H	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–		119.1
120.1	QA/QC OFFICE – 120	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.1	–	11/G19	–		120.1
121.1	KNIFE ROOM – 121	3'–0" x 7'–0"	H	5.1	9.0	7.0	8.0	6.1	9.0	–	3/G19	–		121.1
122.1	VESTIBULE – 122	3'–0" x 7'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		122.1
122.2	VESTIBULE – 122	PR. 3'–0" x 8'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		122.2
123.1	HYGIENE LOCK #1 – 123	3'–0" x 7'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		123.1
124.1	HYGIENE LOCK #2 – 124	3'–0" x 7'–0"	F	5.2	9.0	7.0	8.0	6.1	9.0	–	5/G19	–		124.1
125.1	BREAK/MEETING ROOM – 125	3'–0" x 7'–0"	F	5.8	9.0	7.0/7.2	8.0	6.1	9.0	1/G19	1/G19	12/G19		125.1
126.1	MANAGER'S OFFICE – 126	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.1	–	11/G19	–		126.1
127.1	GENDER NEUTRAL LOCKER – 127	3'–0" x 7'–0"	G	5.5	9.1	7.3	–	6.0	9.1	–	11/G19	–		127.1
128.1	TOILET – 128	3'–0" x 7'–0"	G	5.5	9.1	7.1	–	6.0	9.1	–	11/G19	–		128.1
129.1	USDA OFFICE – 129	3'–0" x 7'–0"	G	5.5	9.1	7.1	–	6.0	9.1	–	11/G19	–		129.1

DOOR SCHEDULE

DOOR NO.	ROOM NAME & NO.	DOOR SIZE	DOOR					FRAME		DETAILS			REMARKS	DOOR NO.
			TYPE	MAT	FIN	HDW	GLAZE/ LOUVER	MAT	FIN	HEAD	JAMB	SILL		
130.1	TOILET – 130	3'–0" x 7'–0"	G	5.5	9.1	7.1	–	6.0	9.1	–	11/G19	–		130.1
131.1	LACTATION – 131	3'–0" x 7'–0"	G	5.5	9.1	7.1	–	6.0	9.1	–	11/G19	–		131.1
132.1	RETAIL SALES – 132	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.1	–	11/G19	–		132.1
132.2	RETAIL SALES – 132	3'–0" x 7'–0"	F	5.8	9.0	7.0/7.2	8.0	6.1	9.0	1/G19	1/G19	12/G19		132.2
133.1	OPEN OFFICE AREA – 133	3'–0" x 7'–0"	G	5.9	9.2	7.1	8.0	6.0	9.1	–	11/G19	–		133.1
134.1	HR OFFICE – 134	3'–0" x 7'–0"	G	5.9	9.2	7.1	8.0	6.0	9.1	–	11/G19	–		134.1
135.1	OFFICE – 135	3'–0" x 7'–0"	G	5.9	9.2	7.1	8.0	6.0	9.1	–	11/G19	–		135.1
136.1	OFFICE – 136	3'–0" x 7'–0"	G	5.9	9.2	7.1	8.0	6.0	9.1	–	11/G19	–		136.1
137.1	WOMEN'S LOCKER ROOM – 137	3'–0" x 7'–0"	G	5.5	9.1	7.3	–	6.0	9.1	–	11/G19	–		137.1
138.1	WOMEN'S TOILET – 138	3'–0" x 7'–0"	G	5.5	9.1	7.3	–	6.0	9.1	–	11/G19	–		138.1
139.1	MEN'S LOCKER ROOM – 139	3'–0" x 7'–0"	G	5.5	9.1	7.3	–	6.0	9.1	–	11/G19	–		139.1
140.1	MEN'S TOILET – 140	3'–0" x 7'–0"	G	5.5	9.1	7.3	–	6.0	9.1	–	11/G19	–		140.1
141.1	EMPLOYEE SUPPLY – 141	3'–0" x 7'–0"	G	5.5	9.1	7.1	8.0	6.0	9.1	–	11/G19	–		141.1

GENERAL NOTES:

1. EGRESS DOORS SHALL BE OF THE PIVOTED OR SIDE–HINGED SWINGING TYPE.
2. DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS.
3. THERE SHALL NOT BE PROJECTION INTO THE REQUIRED CLEAR WIDTH LOWER THAN 34" ABOVE THE FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34" AND 80" ABOVE THE FLOOR OR GROUND SHALL NOT EXCEED 4".
4. THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS.
5. THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15–POUND FORCE. THE DOOR SHALL SWING TO A FULL–OPEN POSITION WHEN SUBJECTED TO A 15–POUND FORCE.
6. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
7. DOOR HANDLES, PULLS, LATCHES, LOCKS & OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
8. DOOR HANDLES, PULLS, LATCHES, LOCKS & OTHER OPERATING DEVICES SHALL BE INSTALLED 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR.
9. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED.
10. THE WIDTH AND HEIGHT OF REQUIRED EXIT DOORWAYS SHALL COMPLY WITH HAWAII BUILDING CODE AND ADA STANDARDS. THE MINIMUM WIDTH OF EACH DOOR OPENING SHALL BE SUFFICIENT FOR THE OCCUPANT LOAD THEREOF AND SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32 INCHES. THE HEIGHT OF DOORS SHALL NOT BE LESS THAN 80 INCHES.
11. ALL DOORS ARE TO BE VERMIN PROOF & TIGHT FITTING.
12. IF RATED ASSEMBLY IS REQUIRED, THE DOOR SHALL COMPLY WITH THE APPLICABLE FIRE PROTECTION RATING, SHALL BE SELF–CLOSING OR AUTOMATIC CLOSING BY SMOKE DETECTION IN ACCORDANCE WITH HAWAII BUILDING CODE AND NFPA 80. THE DOOR ASSEMBLY SHALL HAVE STANDBY POWER SUPPLY.
13. CONTRACTOR SHALL SUBMIT DOOR SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
14. ALL EXTERIOR DOOR FRAMES SHALL HAVE THERMAL BREAK.

DOOR MATERIAL

5.0	COMPLETE DOOR/FRAME SET: INSULATED, 1 3/4" THICK MOLDED FIBERGLASS DOOR WITH 16 GA. 304–2B FINISH STAINLESS STEEL FRAME BY WEILAND OR APPROVED EQUAL.
5.1	COMPLETE DOOR/FRAME SET: LOW TEMPERATURE SWING COOLER DOOR – 4" THICK, 26 GA. EMBOSSED DOOR PANEL AND FRAME, WHITE FINISH BY JAMISON OR APPROVED EQUAL.
5.2	COMPLETE DOOR/FRAME SET: DURULITE INSULATED BUMP DOOR WITH STAINLESS STEEL TUBE FRAME BY CHASE DOORS OR APPROVED EQUAL.
5.4	COMPLETE DOOR/FRAME SET: LOW TEMPERATURE MOTORIZED SLIDING COOLER/FREEZER DOOR – 4" THICK, 26 GA. EMBOSSED DOOR PANEL AND FRAME, WHITE FINISH BY JAMISON OR APPROVED EQUAL.
5.5	COMPLETE DOOR/FRAME SET: 1 3/4" THICK HOLLOW METAL DOOR WITH 16 GAUGE STEEL FRAME
5.6	COMPLETE DOOR SET: URETHANE INSULATED, 2" THICK SECTIONAL SPRING LOADED OVERHEAD DOOR WITH HEAVY DUTY 3" TRACK, MANUALLY OPERATED.
5.7	COMPLETE DOOR SET: INSULATED STEEL ROLL–UP DOOR, MANUALLY OPERATED.
5.8	COMPLETE DOOR/FRAME SET: CLEAR ANODIZED ALUM. FRAMED GLASS SWING DOOR.
5.9	COMPLETE DOOR SET: SOLID CORE WOOD SWING DOOR.

FRAME MATERIAL

6.0	16 GAGE STEEL FRAME, ALL FRAME CONNECTIONS SHALL BE WELDED
6.1	DOOR FRAME BY DOOR MANUFACTURER
6.2	CLEAR ANODIZED ALUM. FRAME
6.3	STRUCTURAL STEEL CHANNEL
6.4	CASED OPENING BY DOOR MANUFACTURER

DOOR HARDWARE

7.0	COMPLETE SET OF DOOR HARDWARE PROVIDED BY DOOR MANUFACTURER
7.1	LEVER TYPE LOCKSET, KICK PLATES AND DOOR CLOSER
7.2	PROVIDE PANIC HARDWARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE
7.3	PUSH/PULL, KICK PLATES AND DOOR CLOSER
7.4	PULL CORD AND INSIDE SLIDE LOCK

DOOR GLAZING / LOUVER

8.0	VISION PANEL BY DOOR MANUFACTURER
8.1	LOUVER PANEL BY DOOR MANUFACTURER

DOOR/FRAME FINISH

9.0	FACTORY FINISH BY DOOR MANUFACTURER
9.1	PAINTED
9.2	STAINED & FINISHED WOOD
	G.C. TO ENSURE THAT FINISH IS COMPATIBLE WITH SURFACE TO BE PAINTED AND THAT SURFACE IS PREPPED PER PAINT MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES

1. SEE SHEETS G–5 AND G–6 FOR DOOR NUMBER LOCATIONS.
2. FOR DOOR TYPES AND DETAILS, SEE SHEET G–19.

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

FOR PLANNING PURPOSES ONLY

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE: DOOR SCHEDULE

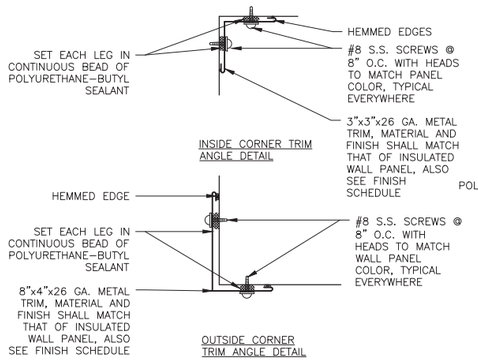
DESIGNED BY: RWG | SUBMITTED:
DRAWN BY: RWG | DATE:
CHECKED BY: XX | SCALE: NONE

APPROVED:
CHIEF ENGINEER — DATE

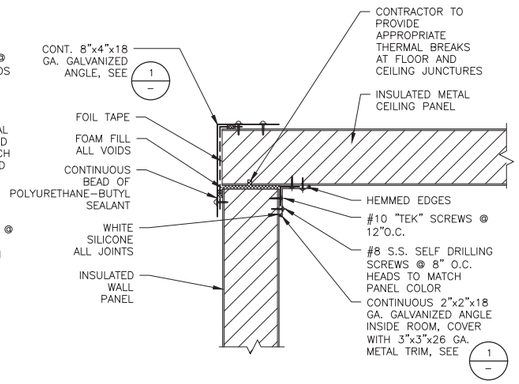
DRAWING NO. G-16

SHEET NO. 20 OF 106 SHEETS

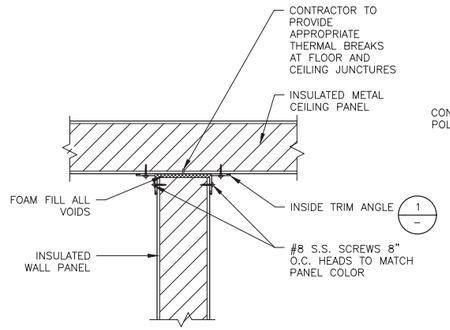
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



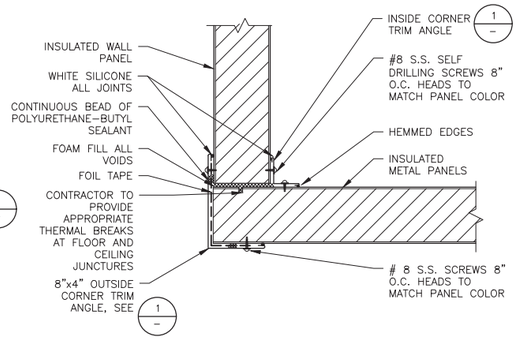
1 – PANEL TRIM DETAIL
NO SCALE



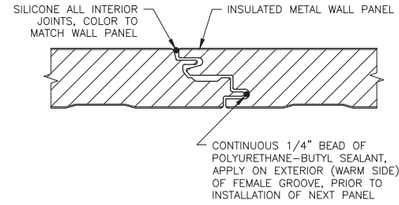
2 – WALL TO CEILING PANEL
1 1/2"=1'–0"



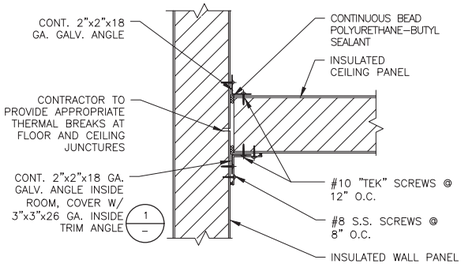
3 – WALL TO CEILING PANEL
1 1/2"=1'–0"



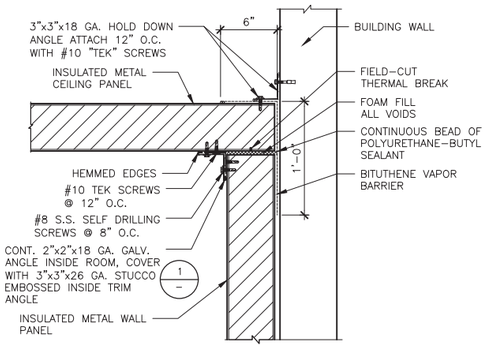
4 – WALL CORNER DETAIL
1 1/2"=1'–0"



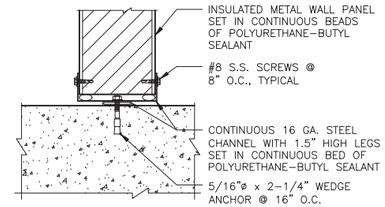
5 – PANEL JOINT DETAIL
1 1/2"=1'–0"



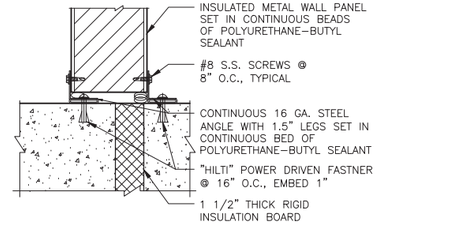
6 – CEILING TO WALL PANEL DETAIL
1 1/2"=1'–0"



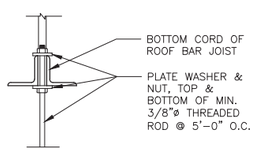
7 – PERIMETER WALL/CEILING DETAIL
1 1/2"=1'–0"



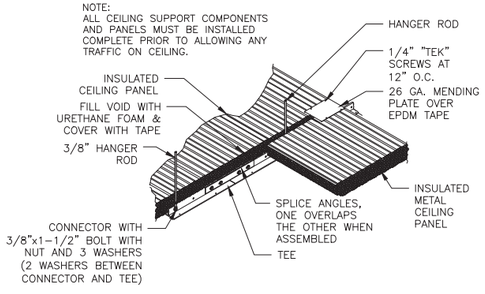
8 – INSULATED WALL BASE DETAIL
3"=1'–0"



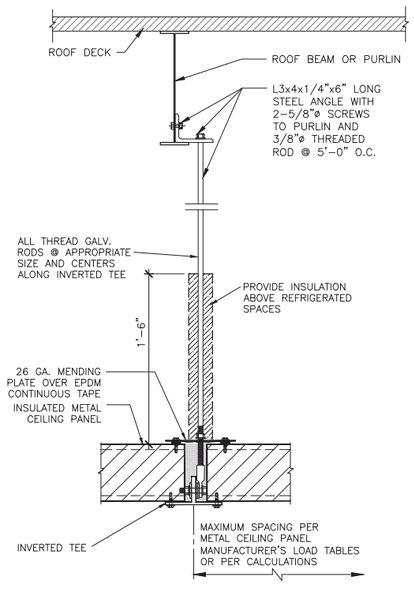
9 – INSULATED WALL BASE @ THERMAL BREAK
3"=1'–0"



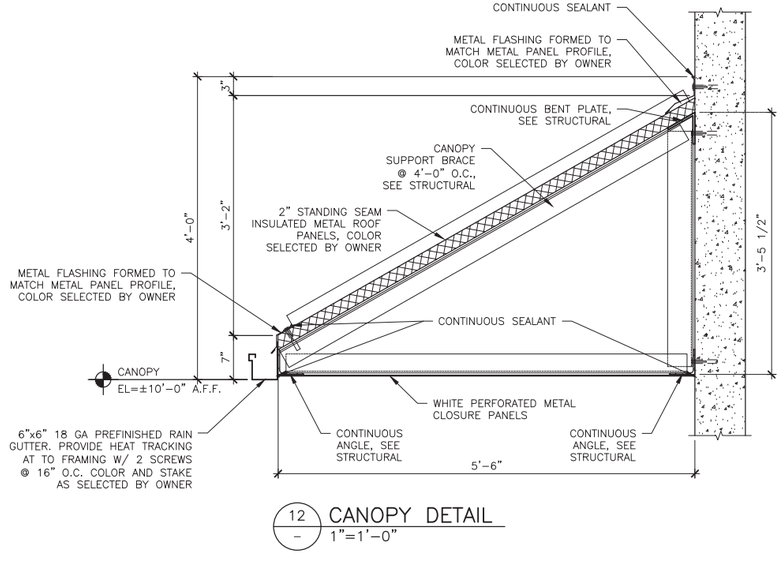
11A – CONNECTION TO BAR JOIST
1 1/2"=1'–0"



10 – INSULATED CEILING DETAIL
NTS



11 – INSULATED CEILING DETAIL
1 1/2"=1'–0"



12 – CANOPY DETAIL
1"=1'–0"

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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

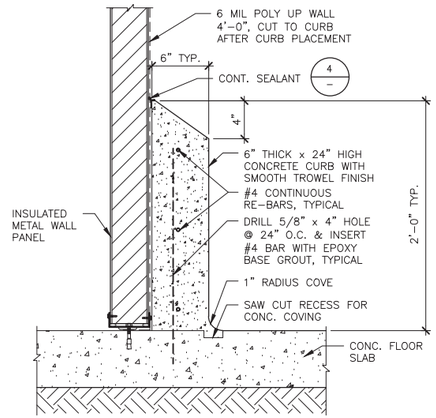
SHEET TITLE
INSULATED PANEL DETAILS

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

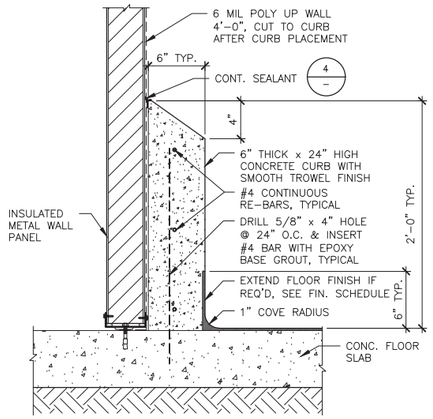
APPROVED:
CHIEF ENGINEER ____ DATE

DRAWING NO. G-17

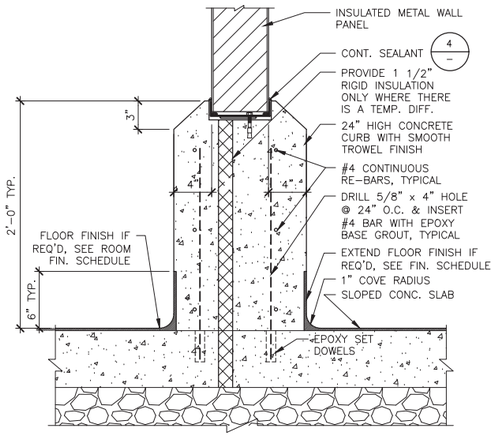
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



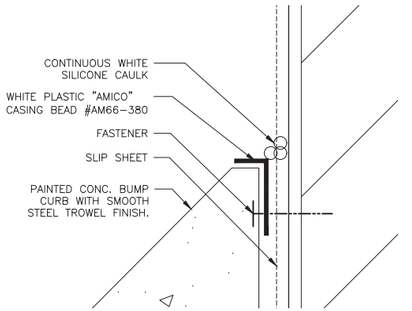
1 – TYPICAL CURB DETAIL
1 1/2"=1'-0"



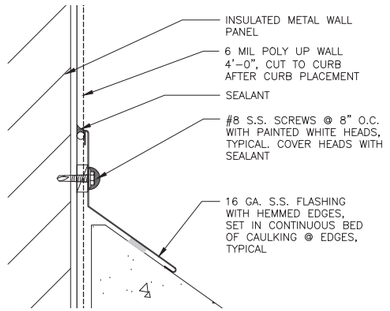
2 – TYPICAL CURB DETAIL W/TOPPING
1 1/2"=1'-0"



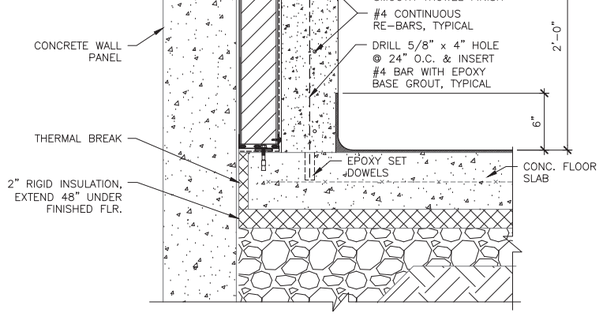
3 – ALTERNATE CURB DETAIL
1 1/2"=1'-0"



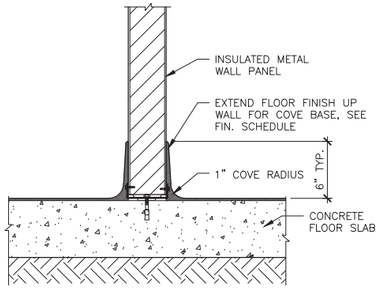
4 – ENLARGED CURB EDGE DET.
1'-0"=1'-0"



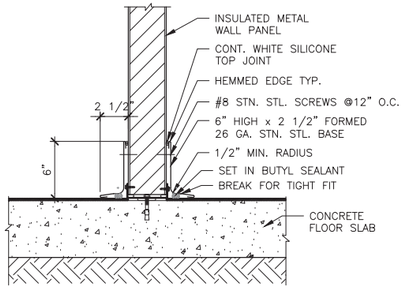
5 – ENLARGED CURB TRIM DET. IN PROCESS AREAS
6"=1'-0"



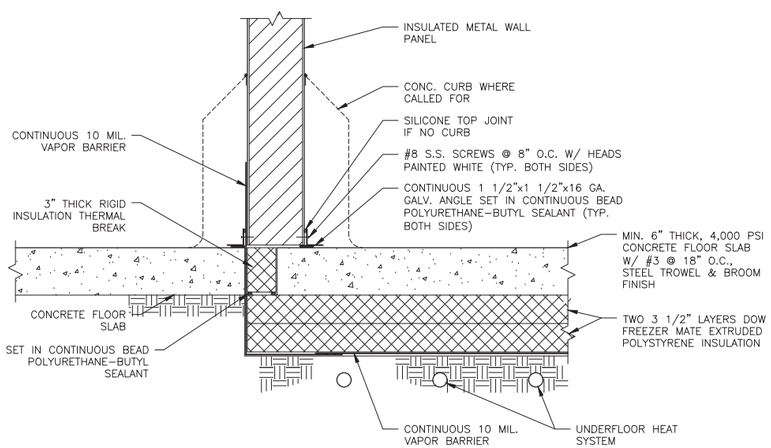
6 – TYPICAL CURB DETAIL @ EXTERIOR WALL
1 1/2"=1'-0"



7 – TROWEL ON FLOORING COVE BASE
1 1/2"=1'-0"



8 – STN. STL. TRIM BASE DETAIL
1 1/2"=1'-0"



9 – FREEZER FLOOR DETAIL
1 1/2"=1'-0"

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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
CURB & FLOOR DETAILS

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

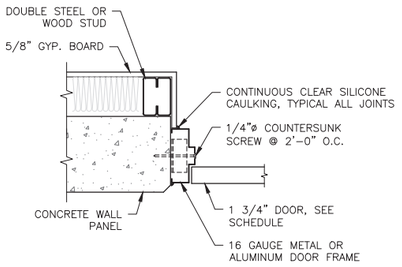
APPROVED:

CHIEF ENGINEER — DATE

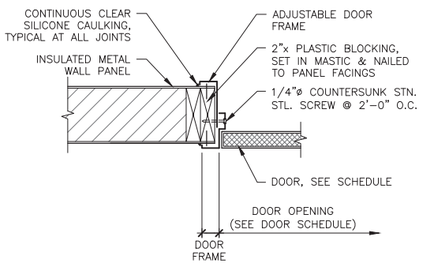
DRAWING NO. G-18

SHEET NO. 22 OF 106 SHEETS

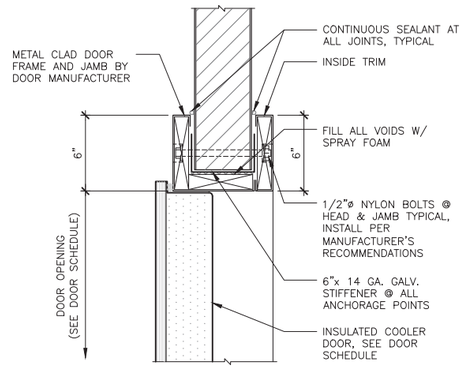
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



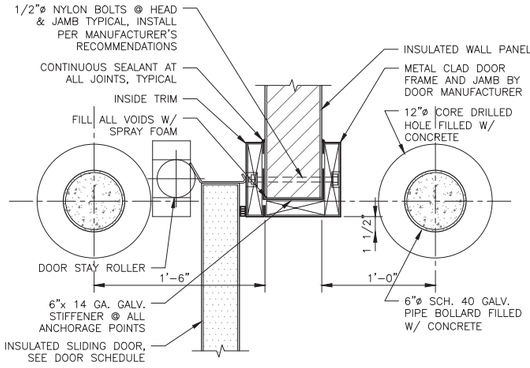
1 – DOOR JAMB/HEAD DETAIL
1 1/2"=1'-0"



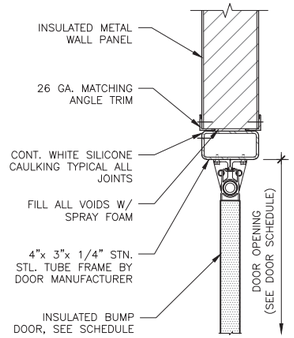
2 – FLUSH DOOR HEAD/JAMB DETAIL
1 1/2"=1'-0"



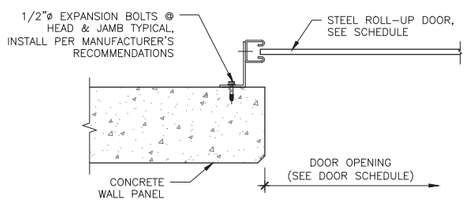
3 – COOLER DOOR HEAD/JAMB DETAIL
1 1/2"=1'-0"



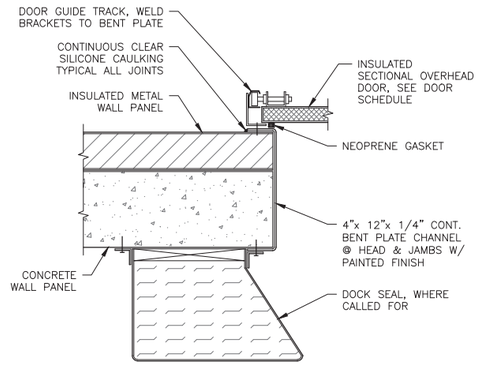
4 – SLIDING DOOR JAMB DETAIL
1 1/2"=1'-0"



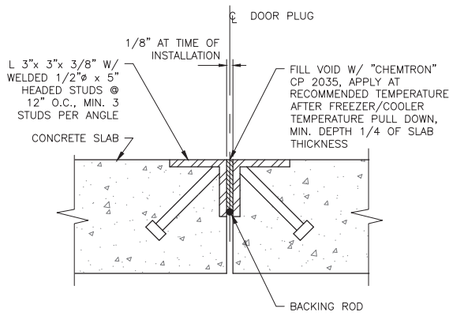
5 – BUMP DOOR JAMB DETAIL
1 1/2"=1'-0"



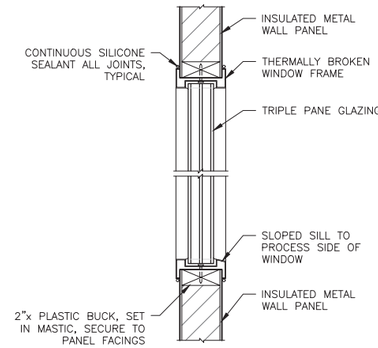
6 – STEEL ROLL-UP DOOR JAMB DETAIL
1 1/2"=1'-0"



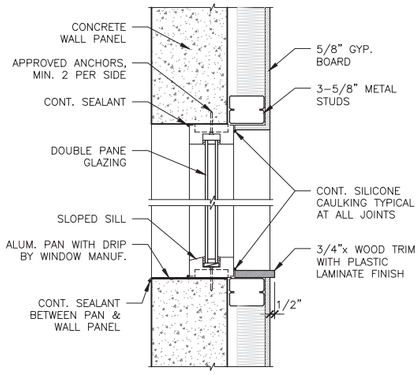
7 – OVERHEAD DOCK DOOR JAMB DETAIL
1 1/2"=1'-0"



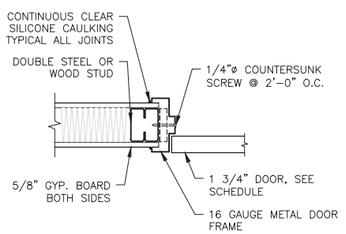
8 – FREEZER DOOR SILL DETAIL
3"=1'-0"



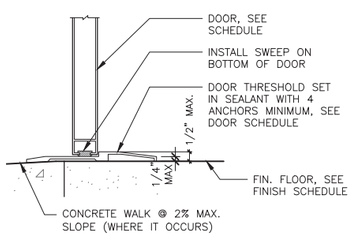
9 – WINDOW HEAD/SILL DETAIL
1 1/2"=1'-0"



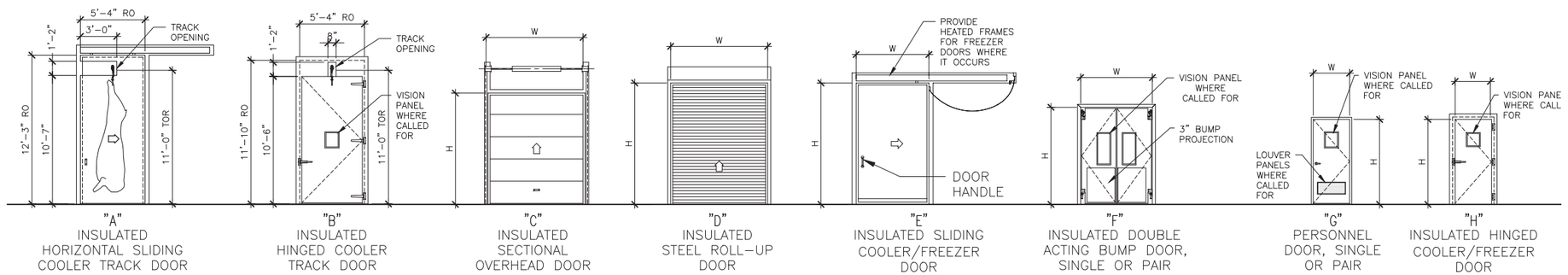
10 – WINDOW HEAD/SILL DETAIL
1 1/2"=1'-0"



11 – DOOR JAMB/HEAD DETAIL
1 1/2"=1'-0"



12 – DOOR THRESHOLD DETAIL
1 1/2"=1'-0"



13 – DOOR TYPES
NTS

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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
DOOR & WINDOW DETAILS

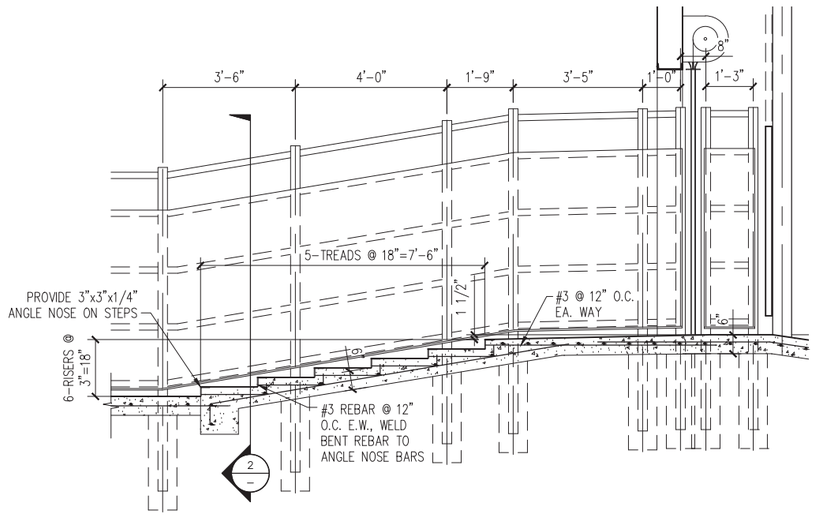
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

APPROVED:
CHIEF ENGINEER — DATE

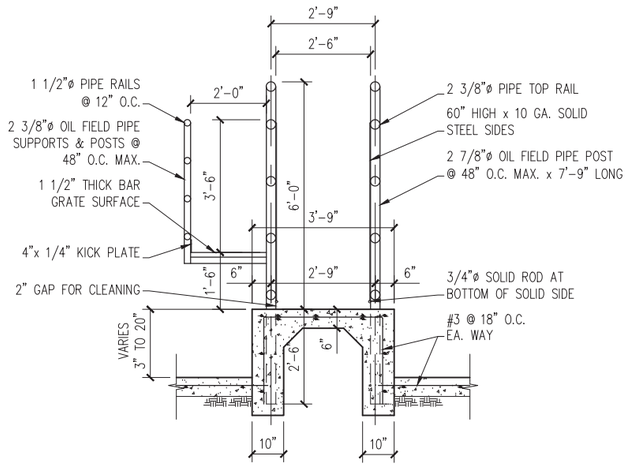
DRAWING NO. G-19

SHEET NO. 23 OF 106 SHEETS

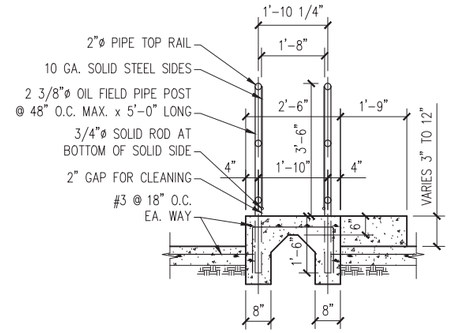
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



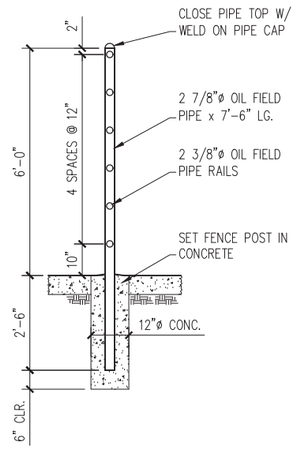
1 G-7 CATTLE CHUTE STAIR SECTION
1/2"=1'-0"



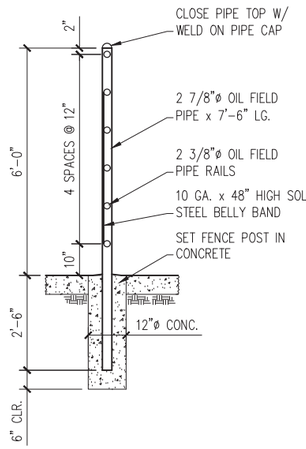
2 – CATTLE CHUTE SECTION
1/2"=1'-0"



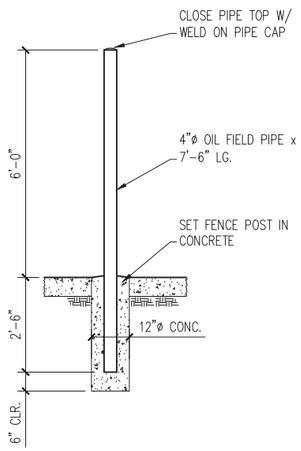
3 G-7 SMALL STOCK CHUTE SECTION
1/2"=1'-0"



4 G-7 TYPICAL OPEN SIDED FENCE SECTION
1/2"=1'-0"



5 G-7 TYPICAL SOLID SIDED FENCE SECTION
1/2"=1'-0"



6 G-7 TYPICAL 4"ø GATE POST DETAIL
1/2"=1'-0"

GENERAL NOTES

1. SEE SHT. G-7 FOR LIVESTOCK AREA PLAN

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
LIVESTOCK AREA DETAILS

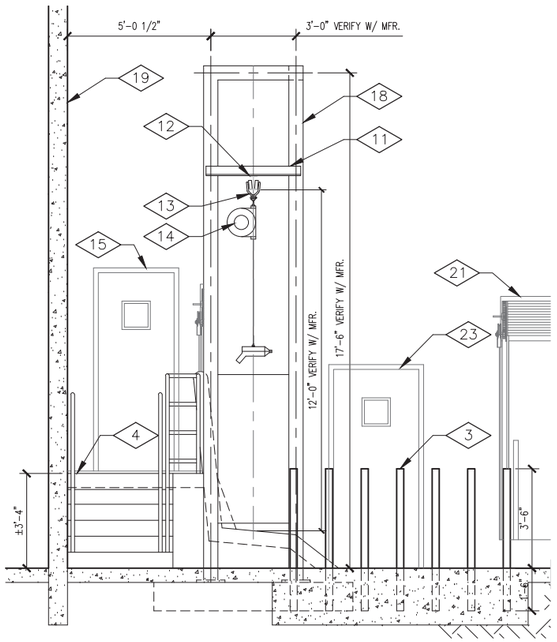
DESIGNED BY: RWG | SUBMITTED:
DRAWN BY: RWG | DATE:
CHECKED BY: XX | **SCALE:** 1/2"=1'-0"

APPROVED:
CHIEF ENGINEER — DATE

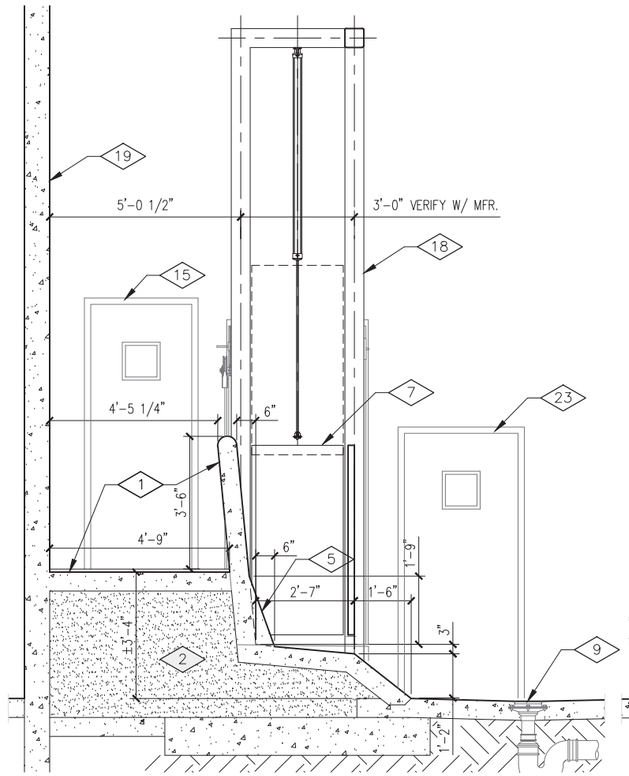
DRAWING NO. G-20

SHEET NO. 24 OF 106 SHEETS

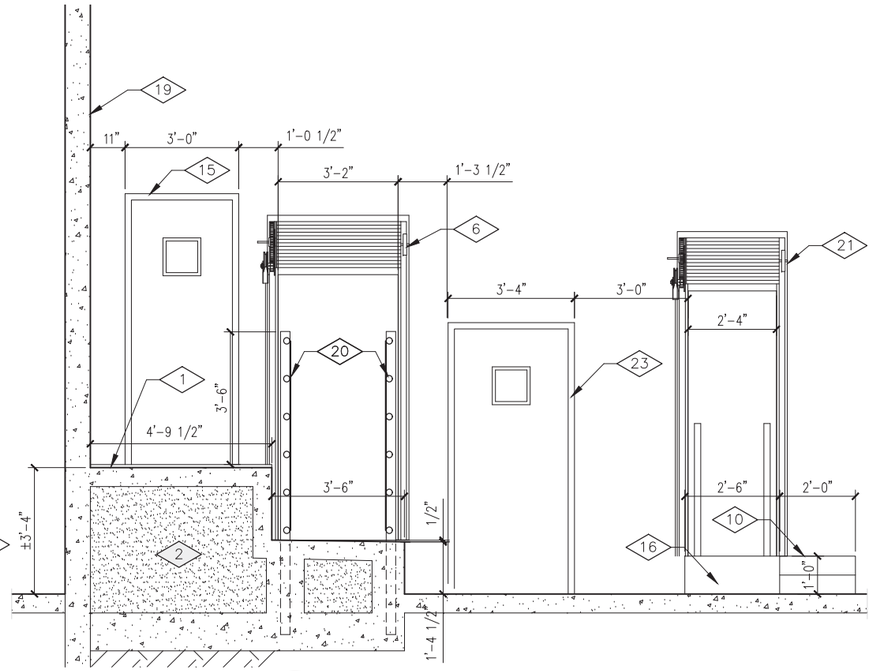
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



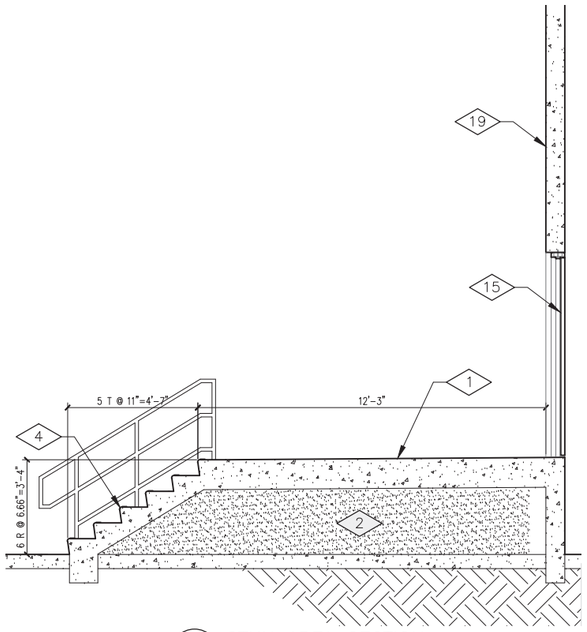
1 G-8 STUN AREA SECTION
3/8"=1'-0"



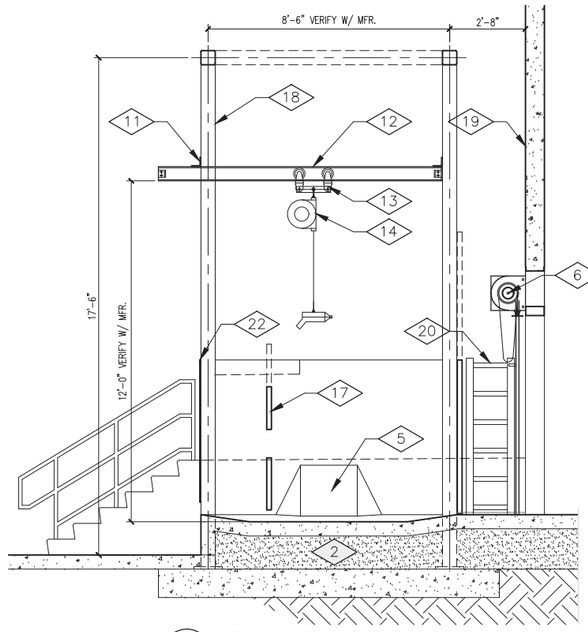
2 G-8 STUN AREA SECTION
1/2"=1'-0"



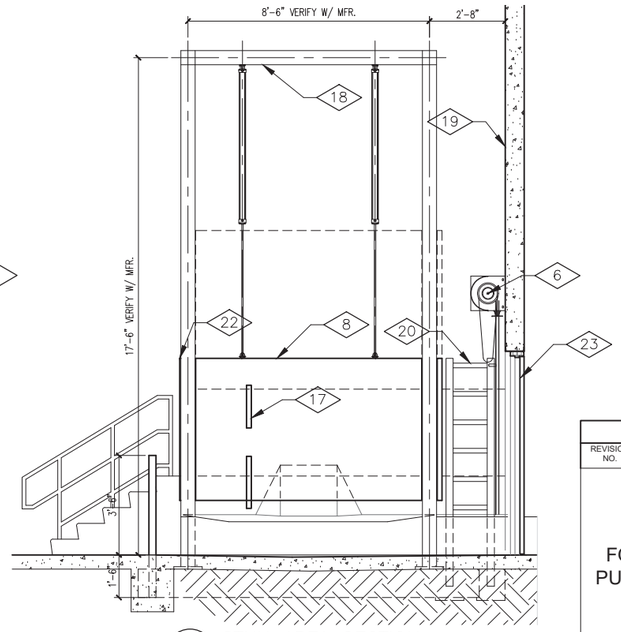
3 G-8 STUN AREA SECTION
1/2"=1'-0"



4 G-8 STUN AREA SECTION
3/8"=1'-0"



5 G-8 STUN AREA SECTION
3/8"=1'-0"



6 G-8 STUN AREA SECTION
3/8"=1'-0"

KEY NOTES

1. CONCRETE STUNNING PEN & WALKWAY
2. FILL VOID W/ GEOFOAM FILL
3. VERTICAL PIPE SAFETY FENCE, 3"ø X 42" HIGH, SCH. 40 GALV. PIPE BOLLARDS SET 18" INTO CONCRETE, CAP W/ WELD-ON PIPE CAP
4. CONCRETE STAIR W/ HANDRAILS & GUARDRAIL
5. CONCRETE ABUTMENT TO AID IN ANIMAL ROLLING OUT OF STUN PEN
6. 38"W x 84"H STEEL ROLL-UP DOOR, SEE DOOR SCHEDULE
7. STUNNING PEN ANIMAL ENTRANCE PNEUMATIC LIFT GATE W/ 3"ø CYLINDER, PROVIDED BY EQUIPMENT VENDOR
8. STUNNING PEN DISCHARGE PNEUMATIC LIFT DOOR W/ TWO 4"ø CYLINDERS & HEAD RESTRAINT, PROVIDED BY EQUIPMENT VENDOR
9. FLOOR DRAIN, SEE PLUMBING
10. 12" HIGH CONCRETE PAD FOR SMALL ANIMAL STUNNER
11. 4"x4"x1/4" GALV. ANGLE, 3'-4" LG. WELDED TO SQ. TUBE UPRIGHTS
12. S6"x12.5# GALV. I-BEAM TRACK, 9' LG. CENTERED BETWEEN UPRIGHTS, WELDED TO ANGLES W/ BOLTED END STOPS
13. DOUBLE ROLLER I-BEAM TROLLEYS W/ LOAD BAR FOR SUPPORTING TOOL BALANCER
14. TOOL BALANCE W/ JARVIS PNEUMATIC STUNNER
15. 32"W x 84"H ACCESS DOOR, SEE DOOR SCHEDULE
16. LOCATION FOR SMALL STOCK RESTRAINER
17. HEAD RESTRAINT, PROVIDED BY DISCHARGE DOOR EQUIPMENT VENDOR
18. 6"x6"x3/8" WALL STEEL SQ. TUBING FRAMEWORK FOR LIFT GATES
19. BUILDING CONCRETE WALL PANEL
20. 66" HIGH STEEL PIPE CATTLE FENCE/CHUTE W/ SOLID STEEL SIDE, SEE LIVESTOCK PEN DETAILS
21. 28"W x 84"H STEEL ROLL-UP DOOR, SEE DOOR SCHEDULE
22. 66" HIGH FIXED END PLATE W/ GAP AT BOTTOM
23. 36"W x 84"H ACCESS DOOR, SEE DOOR SCHEDULE

GENERAL NOTES

1. SEE SHT. G-8 FOR ENLARGED STUNNING AREA PLAN

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

FOR PLANNING PURPOSES ONLY

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
STUNNING AREA DETAILS

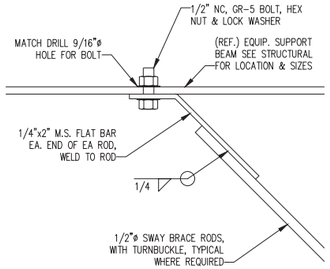
DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

APPROVED: _____ _____
CHIEF ENGINEER DATE

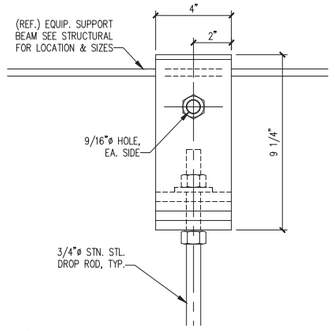
DRAWING NO. G-21

SHEET NO. 25 OF 106 SHEETS

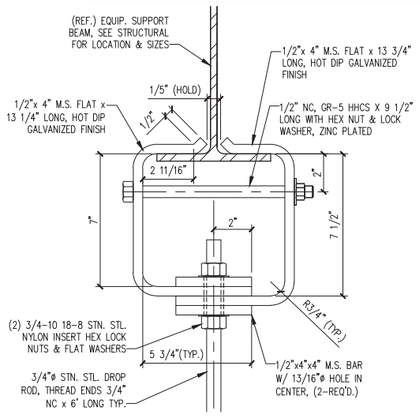
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



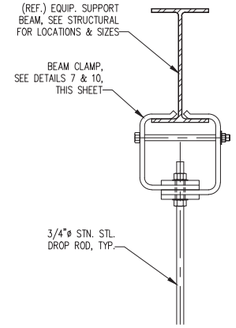
13 – SWAY BRACE BLDG. CONN.
3"=1'-0"



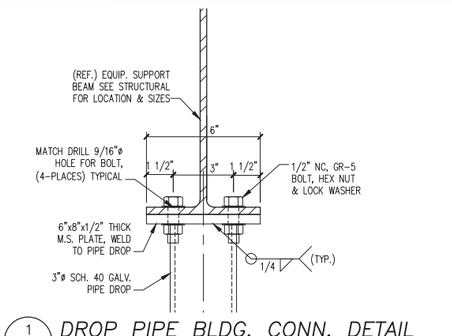
10 – BEAM CLAMP SIDE VIEW
3"=1'-0"



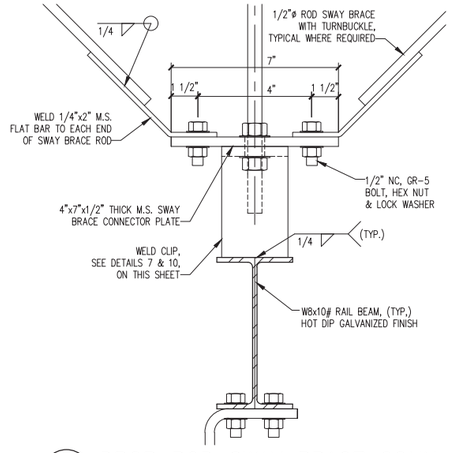
7 – BEAM CLAMP FRONT VIEW
3"=1'-0"



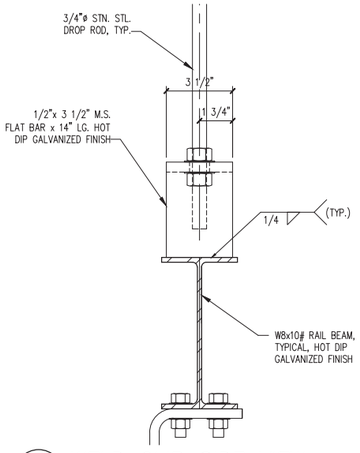
4 – DROP ROD BLDG. CONN. DETAIL FRONT VIEW
1 1/2"=1'-0"



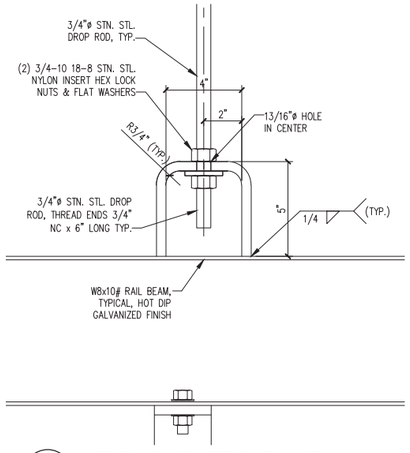
1 – DROP PIPE BLDG. CONN. DETAIL
3"=1'-0"



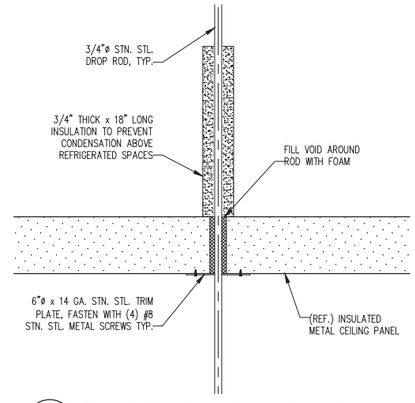
14 – DROP ROD SWAY BRACE CONN.
3"=1'-0"



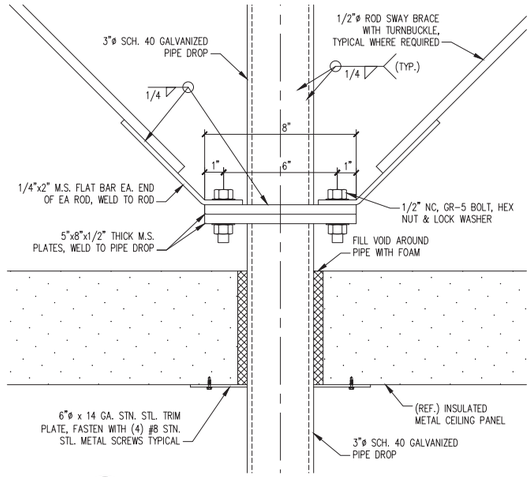
11 – WELD CLIP SIDE VIEW
3"=1'-0"



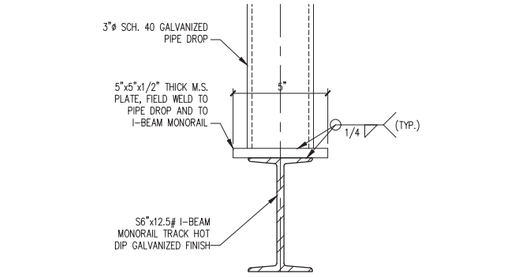
8 – WELD CLIP FRONT VIEW
3"=1'-0"



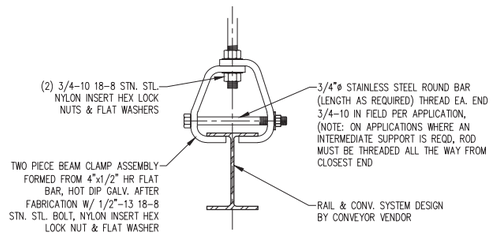
5 – CEILING PENETRATION DETAIL
1 1/2"=1'-0"



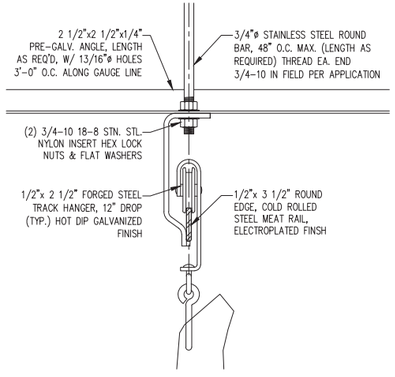
2 – DROP PIPE CEILING PEN. DETAIL
3"=1'-0"



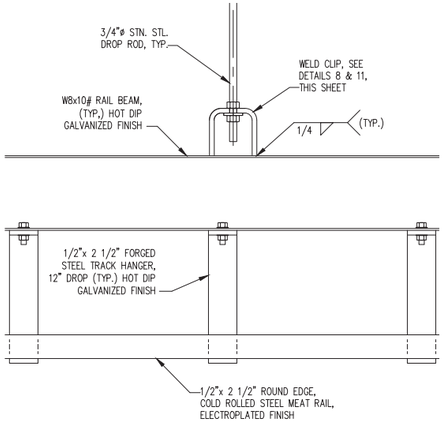
3 – MONORAIL SUPPORT DETAIL
3"=1'-0"



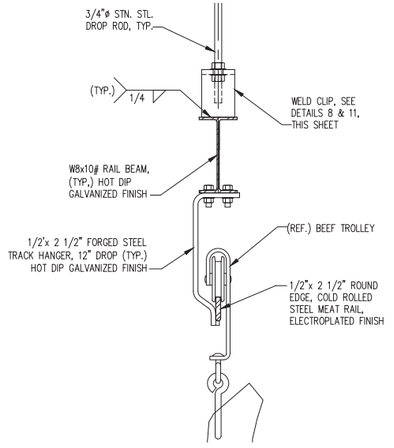
15 – ALTERNATE DROP ROD CONN. DETAIL
1 1/2"=1'-0"



12 – BEAMLESS COOLER DROP ROD DETAIL
1 1/2"=1'-0"



9 – DROP ROD RAIL BEAM DETAIL FRONT VIEW
1 1/2"=1'-0"



6 – DROP ROD RAIL BEAM DETAIL SIDE VIEW
1 1/2"=1'-0"

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

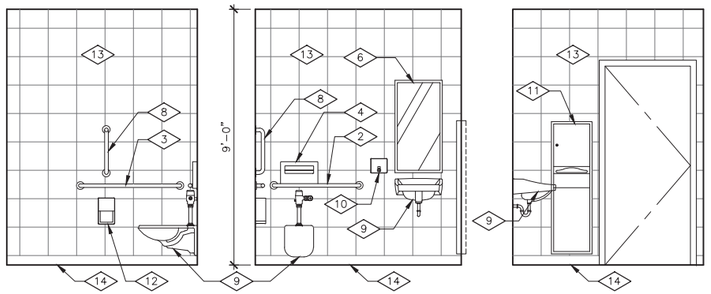
SHEET TITLE
TYPICAL RAIL SUPPORT DETAILS

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

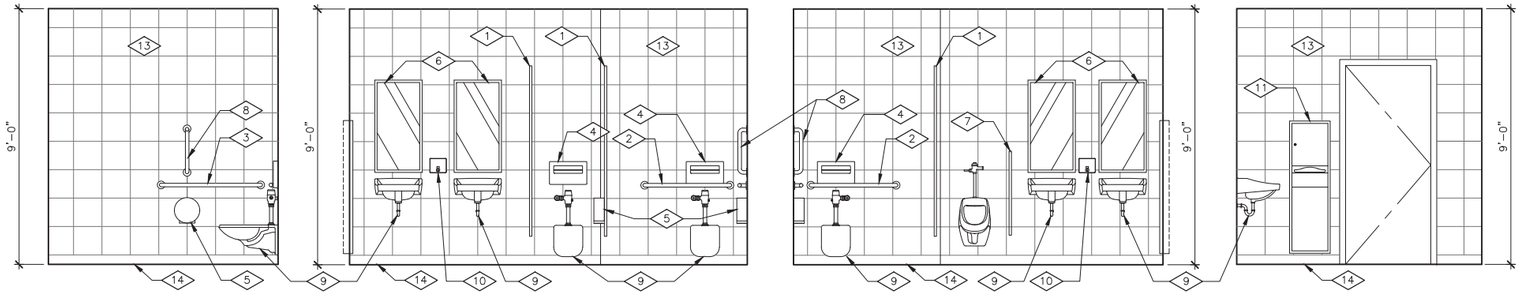
APPROVED:
CHIEF ENGINEER — DATE

DRAWING NO. G-22

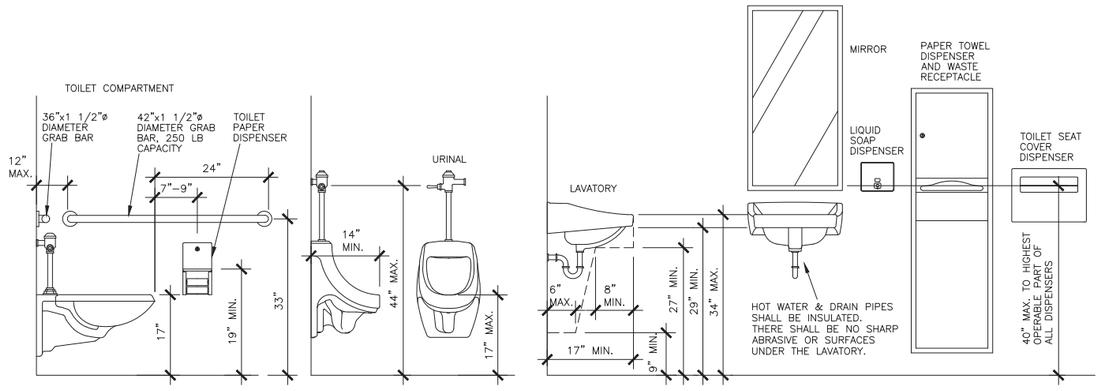
SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY



1 — TOILET #128 & #130 ELEVATIONS
3/8"=1'-0"



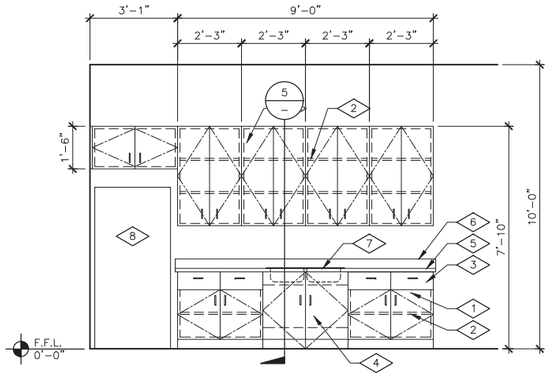
2 — TOILET #138 & #140 ELEVATIONS
3/8"=1'-0"



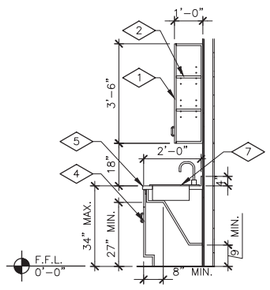
3 — TOILET ACCESSORY MOUNTING DIMENSIONS
3/4"=1'-0"

RESTROOM KEYNOTES:

1. TOILET PARTITIONS, CEILING HUNG, STAINLESS STEEL, CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW & APPROVAL PRIOR TO FABRICATION
2. 1-1/4"ø x 36" LONG STN. STL. GRAB BAR BY BOBRICK (B-5806x36), INSTALL WITH 12 GA. METAL CONCEALED ANCHOR PLATE
3. 1-1/2"DIA. x 42" LONG S.S. GRAB BAR BY BOBRICK (B-5806x42), INSTALL WITH 12 GA. METAL CONCEALED ANCHOR PLATE
4. SURFACE MOUNTED, SATIN FINISH STN. STL. SEAT COVER DISPENSER BY BOBRICK (B-301), CENTER DISPENSER ON & ABOVE WATER CLOSET, TYPICAL AT ALL TOILETS
5. SATIN FINISH, STN. STL. SURFACE MOUNTED, JUMBO ROLL TOILET TISSUE DISPENSER BY BOBRICK (B-2890)
6. SURFACE MOUNTED MIRROR WITH STN. STL. CHANNEL FRAME & SHELF (BY BOBRICK, B-166 1830) ABOVE LAVATORY
7. URINAL SCREEN, WALL HUNG, STAINLESS STEEL
8. 1-1/2"ø x18"LONG STN. STL. GRAB BAR BY BOBRICK (B-5806), INSTALL WITH 12 GA. METAL CONCEALED ANCHOR PLATE.
9. FOR PLUMBING FIXTURES, SEE PLUMBING
10. SOAP DISPENSER BY BOBRICK (818615)
11. SATIN FINISH STN. STL. SEMI-RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE BY BOBRICK (B-3644)
12. SATIN FINISH, STN. STL. SURFACE MOUNTED, MULTI ROLL TOILET TISSUE DISPENSER BY BOBRICK (B-2888)
13. FULL HEIGHT 12"x12" WALL TILE OVER CEMENT BOARD, COLOR TBD BY OWNER
14. DURAQUARTZ SEAMLESS NON-SLIP FLOOR, COLOR TBD BY OWNER



4 — BREAKROOM CABINET ELEVATION
3/8"=1'-0"



5 — SECTION
3/8"=1'-0"

BREAKROOM KEYNOTES:

1. CABINET DOORS, FRONTS AND DRAWER FRONTS SHALL BE PRE-FABRICATED WITH PLASTIC LAMINATE FINISH, CABINET DOORS SHALL HAVE CONCEALED OFFSET HINGES, ALL INTERIOR SURFACES SHALL BE CLAD WITH MELMINE SURFACING, ALL EXPOSED EDGES OF DRAWERS AND SHELVES SHALL BE EDGE BANDED, HARDWARE SHALL BE EURO-STYLE WITH BRUSHED CHROME WIRE PULLS & HINGES
2. ADJUSTABLE SHELF, TYPICAL
3. ALL DRAWERS SHALL HAVE HEAVY DUTY SELF-CLOSING ROLLER GUIDES
4. PROVIDE CABINET DOOR, ADA ACCESSIBLE AT SINKS
5. ALL COUNTERTOPS SHALL BE CORIAN WITH 3/4" BULL NOSE EDGE, EXTENDING 1-1/2" BEYOND THE FACE OF BASE CABINETS, COLOR TO BE SELECTED BY OWNER
6. 4" HIGH, RADIUS BACK SPLASH, LOCATE OUTLETS ABOVE BACK SPLASH
7. STAINLESS STEEL SINK WITH DISPOSAL, SEE PLUMBING
8. REFRIGERATOR BY OWNER, VERIFY ACTUAL SIZE BEFORE FABRICATION AND INSTALLATION OF CABINETS

60% DESIGN DRAWING SET NOT FOR CONSTRUCTION
SELECTED SITE MAY ALTER DESIGN

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EXPIRATION DATE OF THE LICENSE XX/XX/XXXX

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESOURCE MANAGEMENT DIVISION

SCALABLE AND REPLICABLE LIVESTOCK HARVESTING FACILITY
PROJECT NO. DOASW07

SHEET TITLE
TOILET & BREAK ROOM DETAILS

DESIGNED BY: RWG	**SUBMITTED:**
DRAWN BY: RWG	**DATE:**
CHECKED BY: XX	**SCALE:** AS NOTED

APPROVED:
CHIEF ENGINEER — DATE

DRAWING NO. G-23