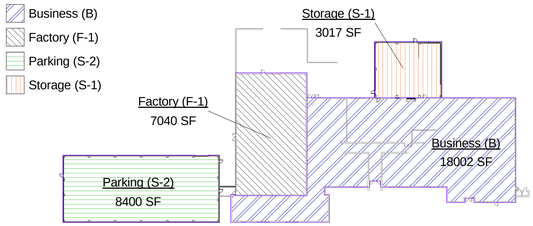
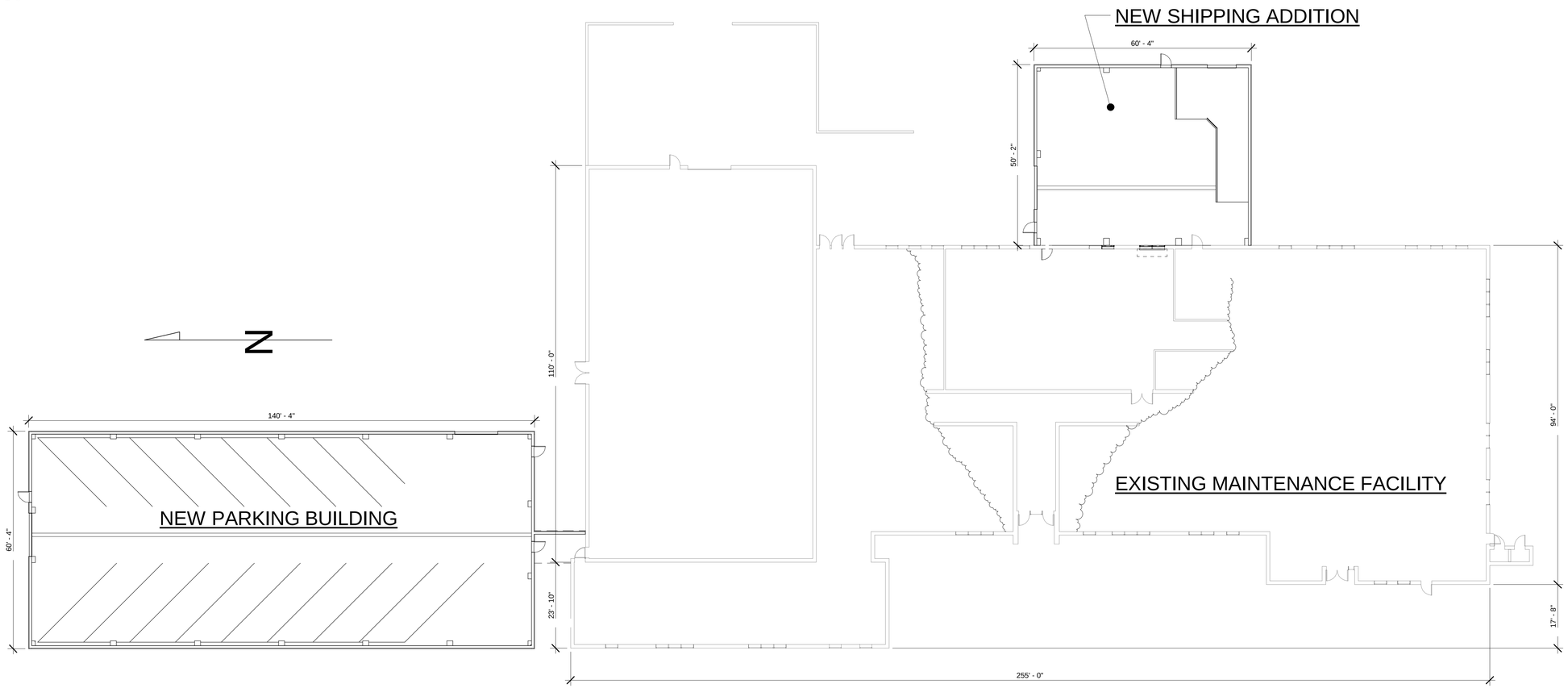
Occupancy



1 Main Level Occupancies
1/64" = 1'-0"



2 Main Level
1/16" = 1'-0"

Additions to Maintenance Facility

Owner: Ogden School District

Location: 1950 Monroe
Ogden, Utah 84401
801-737-8845

Project Number: 2-027

Issue Date: 15 Feb 2013

PROFESSIONAL STRUCTURAL ENGINEER
P.C.McREAKEN
5002849-2203
STATE OF UTAH

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McReaken Engineering
Architectural - Structural - Civil Engineers
Commercial - Residential - Industrial

2107 E 25 South, Layton, Utah // 801-544-1330 // 801-641-9150

Revisions

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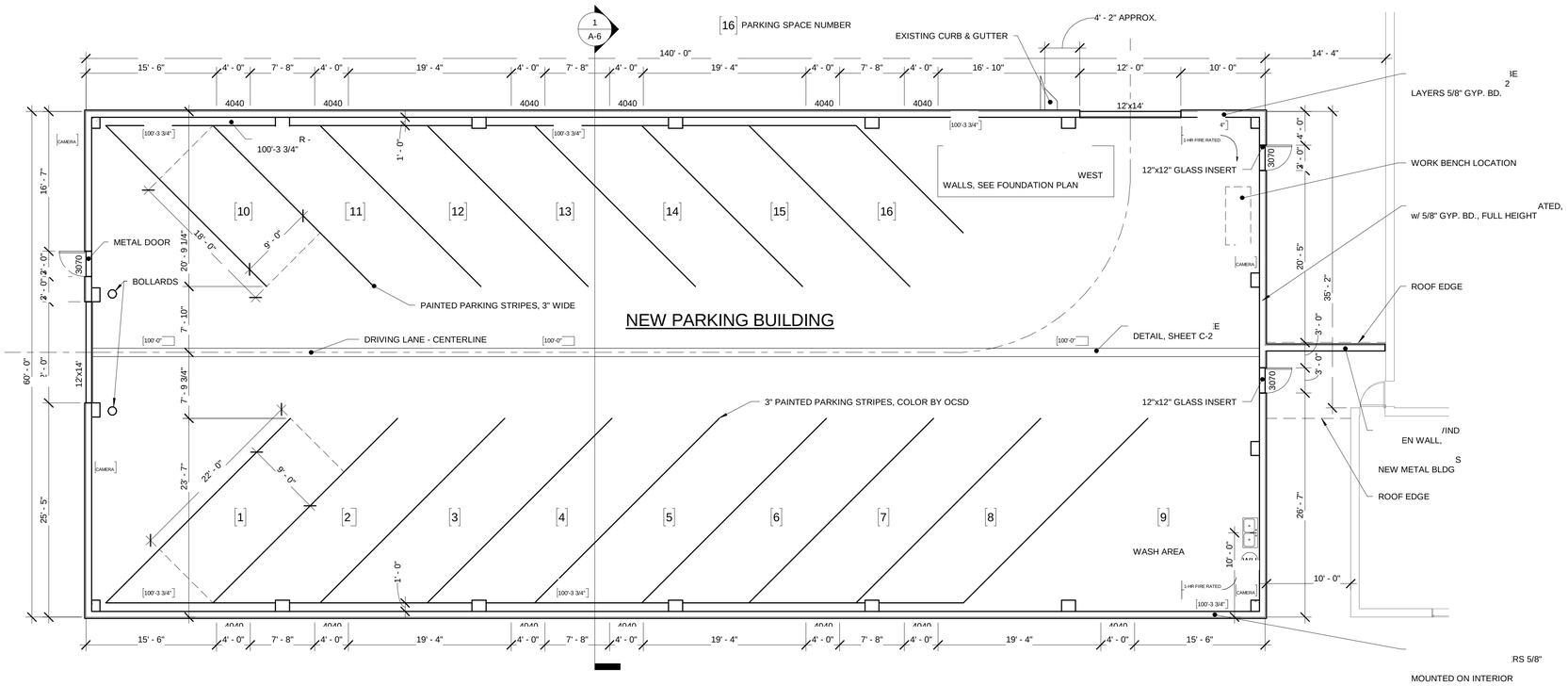
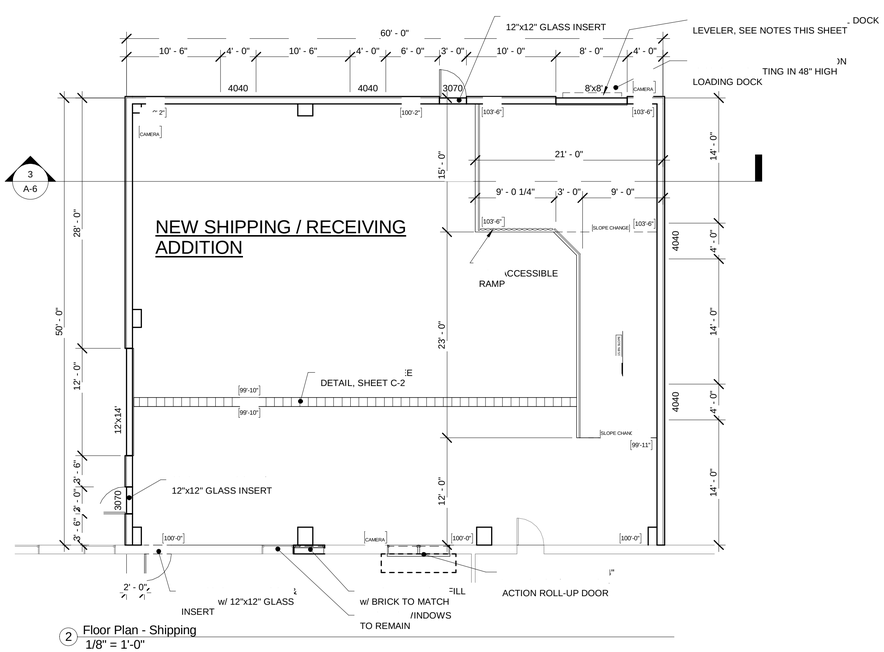
Sheet A-1

General Floor Plan

2/14/2013 8:13:52 PM



1 Floor Plan - Parking
1/8" = 1'-0"



2 Floor Plan - Shipping
1/8" = 1'-0"

NOTES:
1. PLACE 36" HIGH PIPE RAILING (2 RAIL) ATOP CONCRETE LOADING DOCK WALL, PIPE TO BE 1-1/2" DIAM.
2. EACH OVERSIZED OVERHEAD ROLL-UP DOOR TO BE RAPID OPERATION w/ PUSH BUTTON START, PLACE BUTTON PER OCSD DIRECTION
3. PAINT EXISTING UNFINISHED BRICK IN SHIPPING ADDITION TO MATCH COLOR OF OTHER NEW WALLS
4. SLOPE CONCRETE FLOORS 1/8" PER FOOT, UPWARD TOWARDS SIDE WALLS AS SHOWN
5. FLOOR ELEVATIONS SHOWN AS: 100'-0"
6. CLOSED CIRCUIT TV CAMERAS (CCTV): CCTV CAMERA INSTALL THREE IN SHIPPING ADDITION AND FOUR IN PARKING BUILDING. HOME RUN CONTROLS & DATA WIRES TO LOCATION WITHIN EXISTING MAINTENANCE BUILDING, DESIGNATED BY OCSD.
7. DOCK LEVELER. INSTALL MODEL #2572 VESTIL DOCK LEVELER, BOLTED CONNECTION w/ 6" DOCK EDGE STEEL CHANNEL ATTACHED TO CONCRETE FOUNDATION / SLAB, PER MFGR'S TECHNICAL GUIDANCE -- SEE PROJECT DESIGN ANALYSIS -- ASSURE THAT PAVEMENT ACCESS TO DOCK IS 48" +/- 0.25" BELOW ACTUAL DOCK HEIGHT

ROOM FINISH SCHEDULE (NOTE 1)

ROOM	CEILING	FLOOR	WALLS	WALL BASE
PARKING BLDG	WHITE VINYL COVERED INSULATION	CONCRETE, PLAIN, UNFINISHED	WHITE VINYL COVERED INSULATION or PAINTED GYP. BD.	PLAIN CONCRETE
SHIPPING ADDN	WHITE VINYL COVERED INSULATION	CONCRETE, HARDENED & POLISHED (NOTE 2)	WHITE VINYL COVERED INSULATION & PAINT BRICK TO MATCH WALL COLOR	PLAIN CONCRETE

NOTES: 1. COLORS, PATTERNS, MATERIALS & FEATURES NOT INDICATED HEREIN ARE TO BE SELECTED BY OWNER
2. HARDENED CONCRETE - TROWEL, DESIFY, SEAL & POLISH

Additions to Maintenance Facility
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Ogden, Utah 84401
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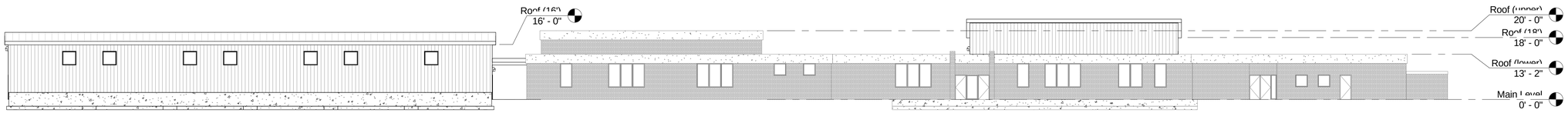
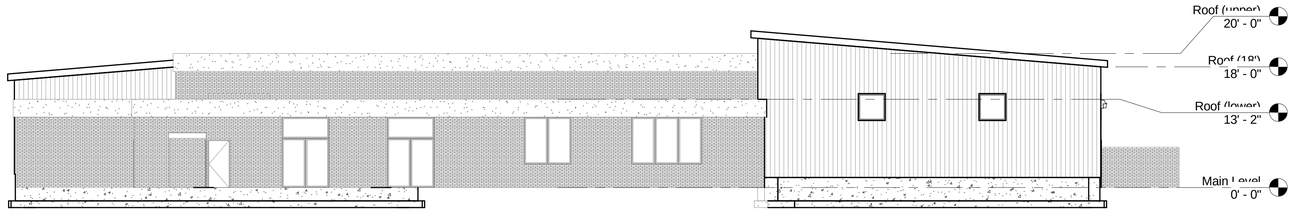
Sheet A-2
Floor Plans

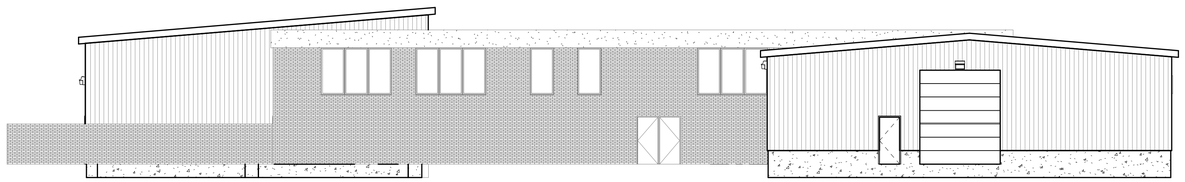
2/14/2013 8:13:54 PM



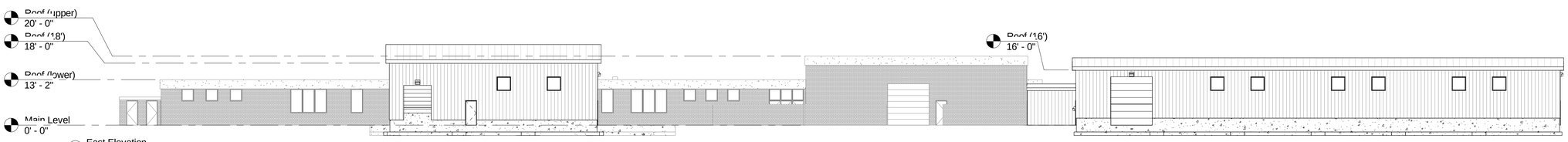
1 West Elevation
1/16" = 1'-0"



3 South Elevation
3/32" = 1'-0"



2 North Elevation
3/32" = 1'-0"



4 East Elevation
1/16" = 1'-0"

Additions to Maintenance Facility

Owner: Ogden School District

Location: 1950 Monroe
Ogden, Utah 84401
801-737-8845

Project Number: 2-027

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Sheet A-3

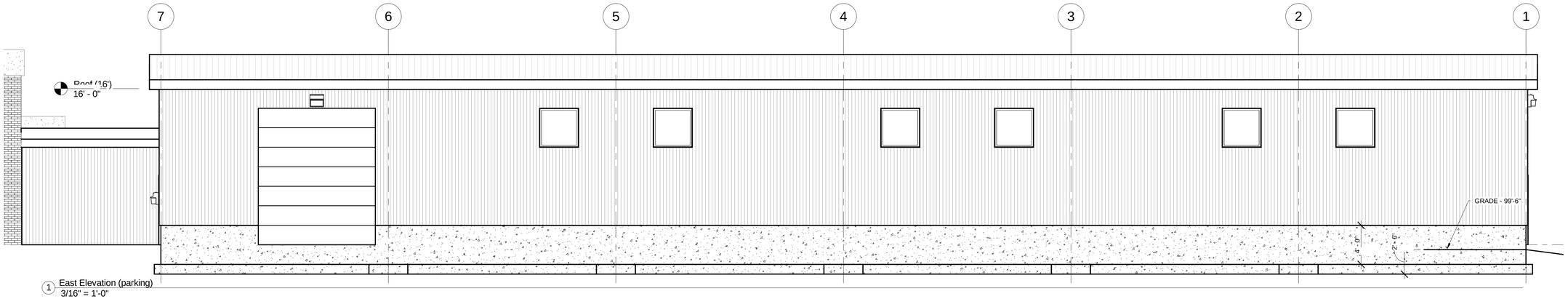
Elevations

2/14/2013 8:13:59 PM

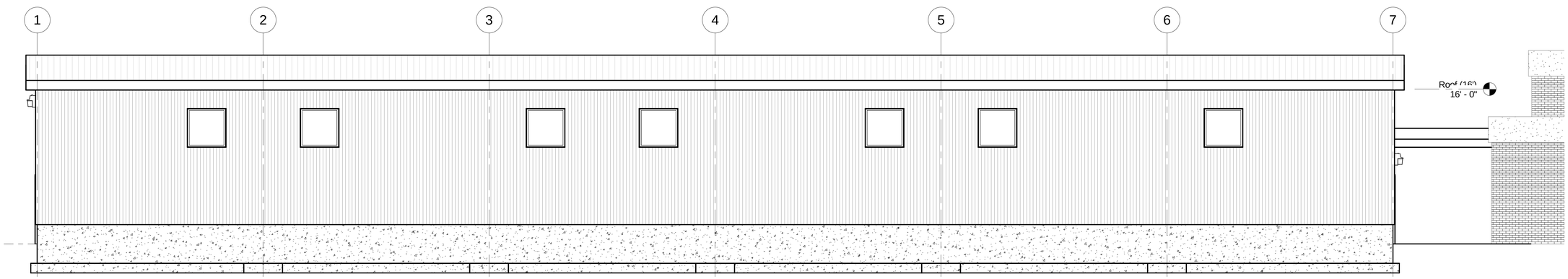
ARCHITECTURAL TREATMENT. COLORS, TEXTURES, TRIMS AND OTHER ARCHITECTURAL FEATURES TO BE SELECTED BY OGDEN CITY SCHOOL DISTRICT OFFICIAL DURING CONSTRUCTION. PATTERNS AND COLORS TO BE PRESENTED BY CONTRACTOR AND SELECTED BY OCSD, AND WILL COMPLEMENT EXISTING FEATURES TO THE EXTENT PRACTICAL.

ARCHITECTURAL WATERPROOFING. FLASHING SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT MOISTURE FROM ENTERING THE WALLS OR ROOF, AND TO REDIRECT IT TO THE EXTERIOR. FLASHING SHALL BE INSTALLED AT THE PERIMETERS OF EXTERIOR DOORS AND WINDOW ASSEMBLIES, PENETRATIONS, AND TERMINATION OF EXTERIOR WALL ASSEMBLIES, EXTERIOR WALL INTERSECTIONS WITH ROOFS, DECKS AND SIMILAR PROJECTIONS, AND AT BUILT-IN GUTTERS AND SIMILAR LOCATIONS WHERE MOISTURE COULD ENTER THE WALL. FLASHING WITH PROJECTED FLANGES SHALL BE INSTALLED ON BOTH SIDES AND THE ENDS OF COPINGS, UNDER SILLS, AND CONTINUOUSLY ABOVE PROJECTED TRIM. A FLASHING WALL SHALL BE INSTALLED AT THE INTERSECTION OF FOUNDATION WALL TO EXISTING SIDING. THE FLASHING SHALL BE APPROVED, CORROSION RESISTANT, WITH A 1/2" DRIP EDGE, EXTENDING PAST THE EXTERIOR SIDE OF THE FOUNDATION. FLASH AND CAULK ALL EXTERIOR DOORS AND WINDOWS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE 4" FLASHING AROUND ALL DOORS AND WINDOWS WITH SILL-PLATE FLASHING.

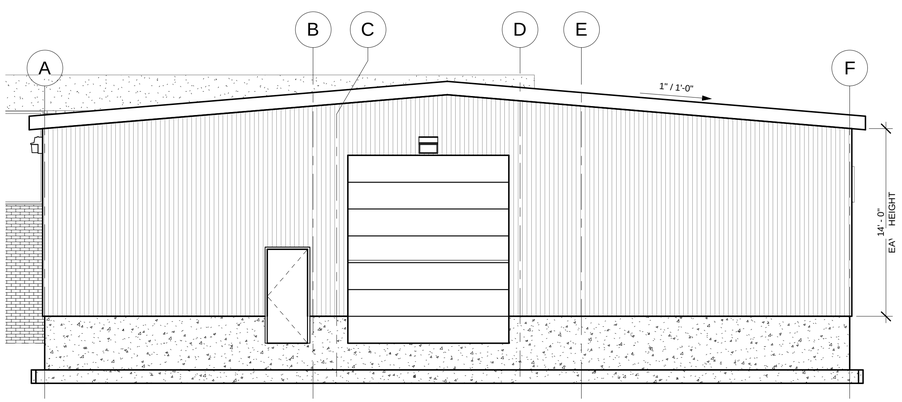
EXISTING CONDITIONS. EXISTING WALLS, DOORS, DIMENSIONS, ETC., ARE TAKEN FROM "AS-BUILTS" AND FIELD SURVEY, AND TO THE EXTENT REQUIRED FOR CONSTRUCTION, ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. ANY MEASUREMENT ANOMALIES THAT WOULD AFFECT FINAL PRODUCT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT-ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION. NOTE THAT EXISTING INTERIOR WALLS, EXTERIOR STAIRCASES AND OTHER FACILITY FEATURES ARE TYPICALLY NOT SHOWN ON DRAWINGS, FOR CLARITY. EXISTING EXTERIOR WALLS AND THEIR MATERIALS ARE SHOWN ON DRAWINGS TO PROVIDE INFORMATION FOR ARCHITECTURAL COMPATIBILITY AND TO SHOW OVERALL ARCHITECTURAL PROFILE FOR THE COMPLETED STRUCTURE.



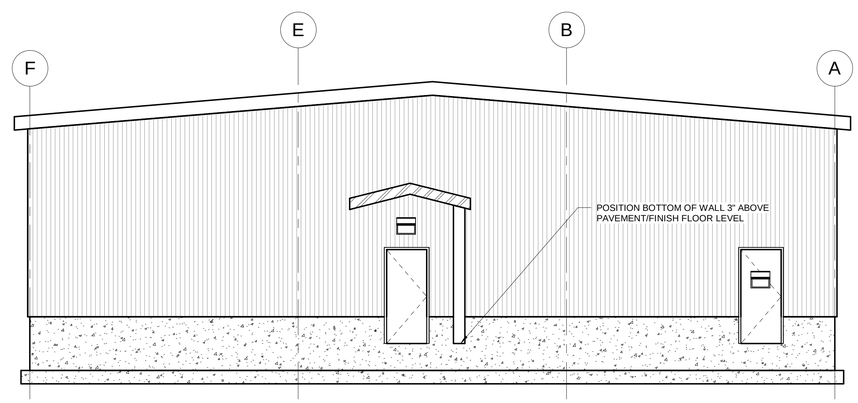
1 East Elevation (parking)
3/16" = 1'-0"



2 West Elevation (parking)
3/16" = 1'-0"



3 North Elevation (parking)
3/16" = 1'-0"



4 Close-up South Elevation (parking)
3/16" = 1'-0"

Additions to Maintenance Facility

Owner: Ogden School District

Location: 1950 Monroe
Ogden, Utah 84401
801-737-8845

Project Number: 2-027

Issue Date: 15 Feb 2013

PROFESSIONAL STRUCTURAL ENGINEER
P.C.McREAKEN
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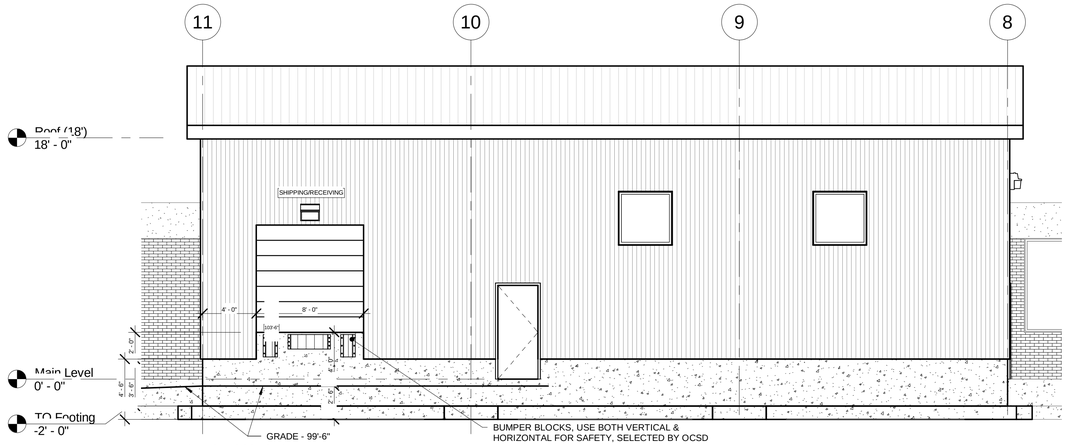
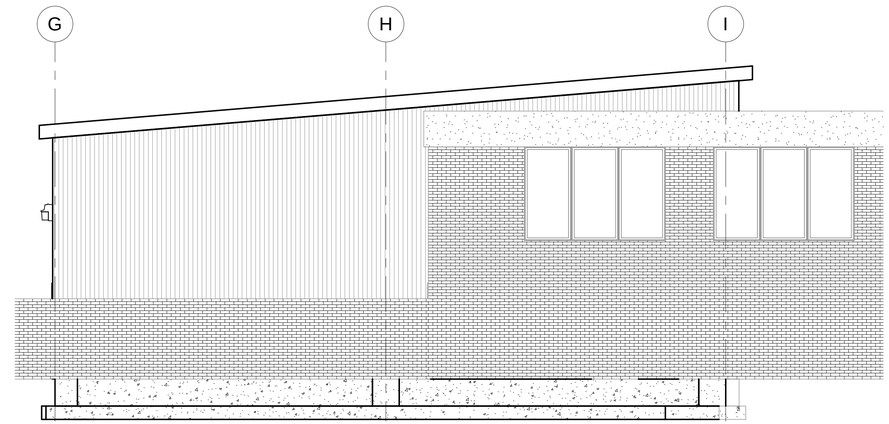
Sheet A-4

Parking Garage Elevations

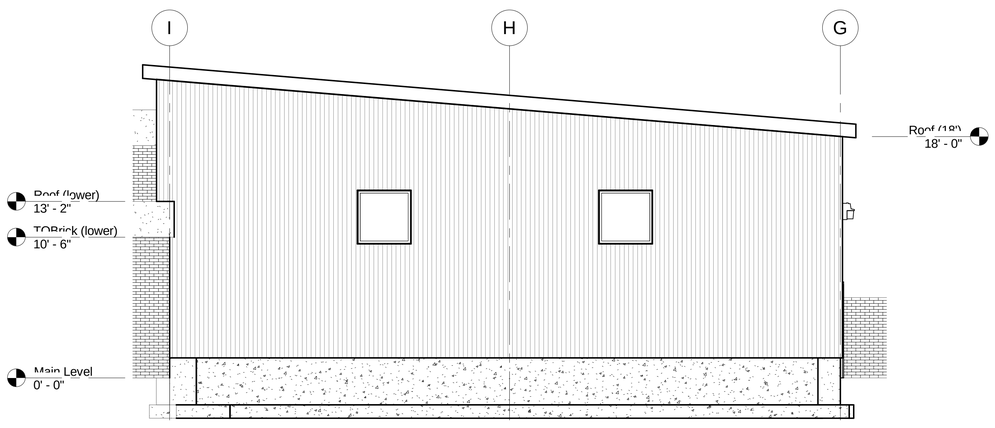
2/14/2013 8:14:01 PM



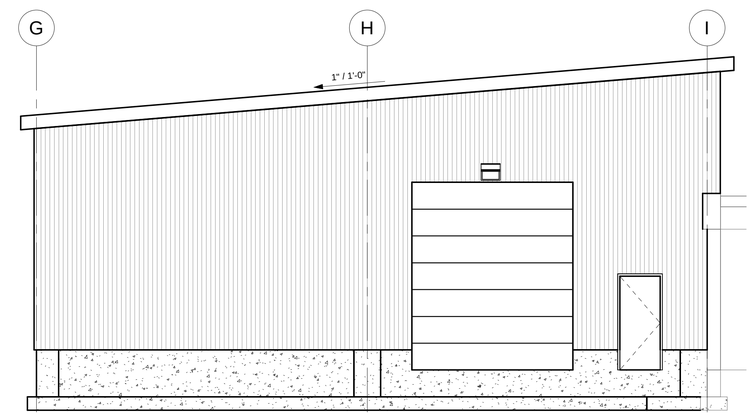
1 East Elevation (shipping)
3/16" = 1'-0"



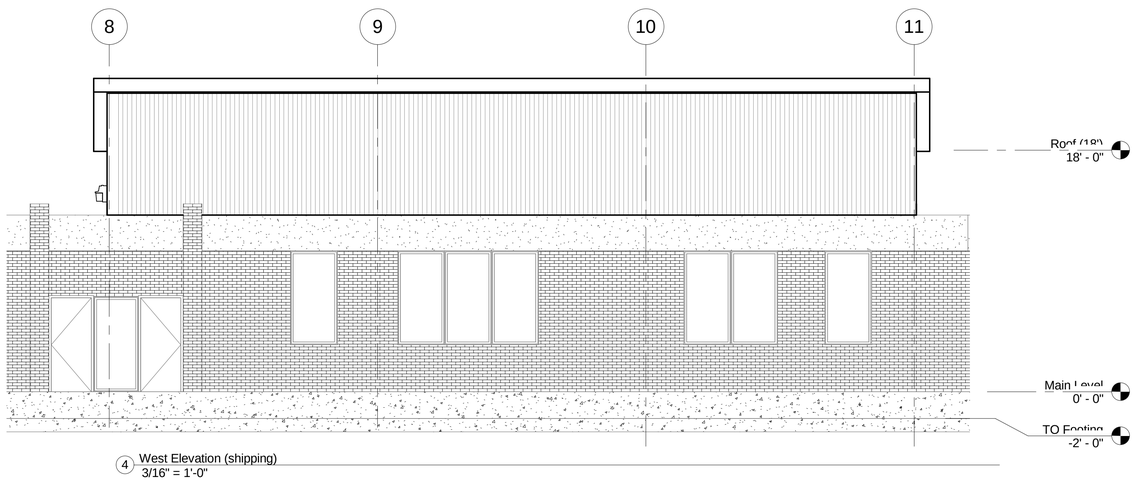
2 North Elevation (shipping)
3/16" = 1'-0"



3 South Elevation (shipping)
3/16" = 1'-0"



5 Close-up North Elevation (shipping)
3/16" = 1'-0"



4 West Elevation (shipping)
3/16" = 1'-0"

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Additions to Maintenance Facility

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Ogden, Utah 84401
801-737-8845

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ue Date: 15 Feb 2013

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:107 Eas 5 South, Layton, Utah // 801-544-1330 // 801-641-9150

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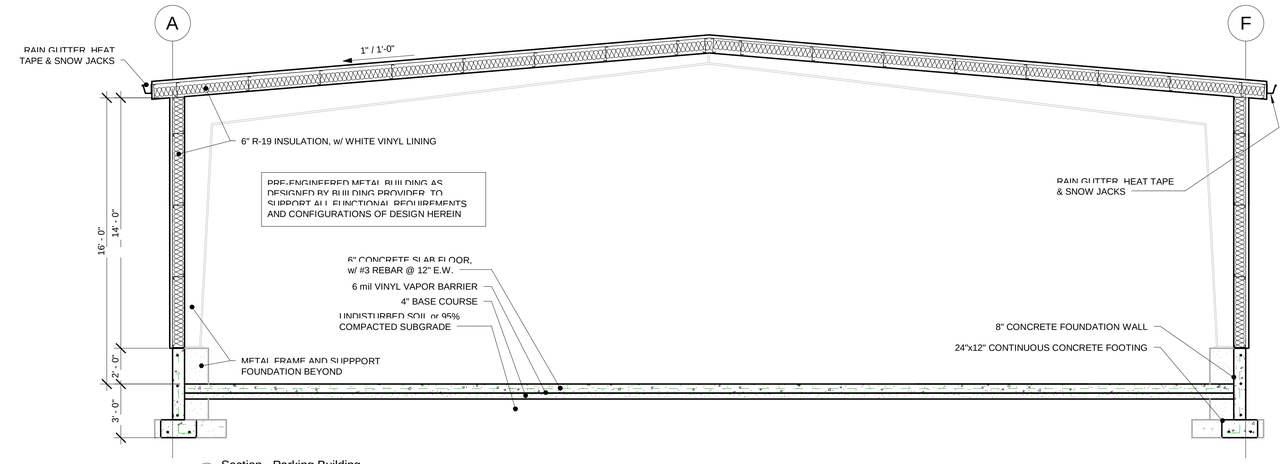
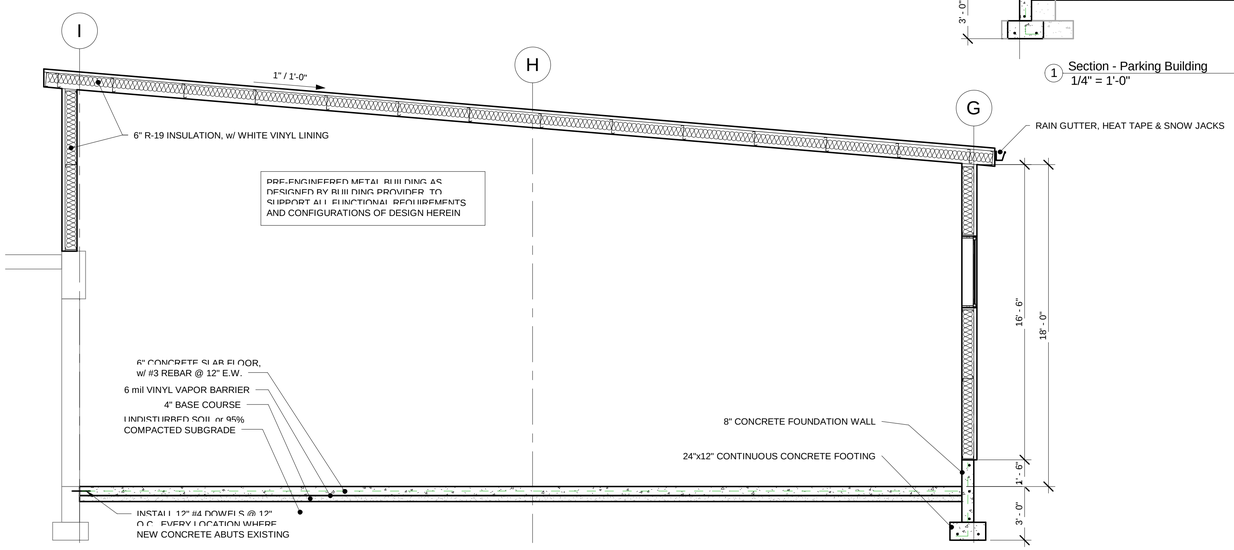
Sheet A-5

Shipping
Receiving
Elevations

2/14/2013 8:14:03 PM

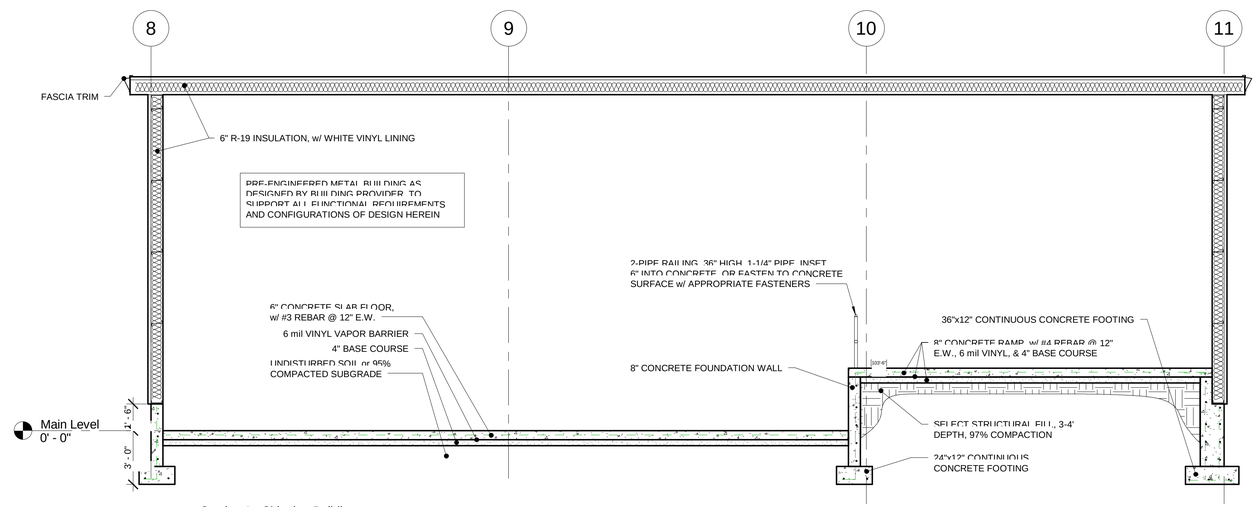


1 Section - Parking Building
1/4" = 1'-0"



2 Section 2 - Shipping Building
1/4" = 1'-0"

NOTE: INSTALL METAL WATER DEFLECTION TRIM OVER ALL DOORS, BOTH BUILDINGS



3 Section 1 - Shipping Building
1/4" = 1'-0"

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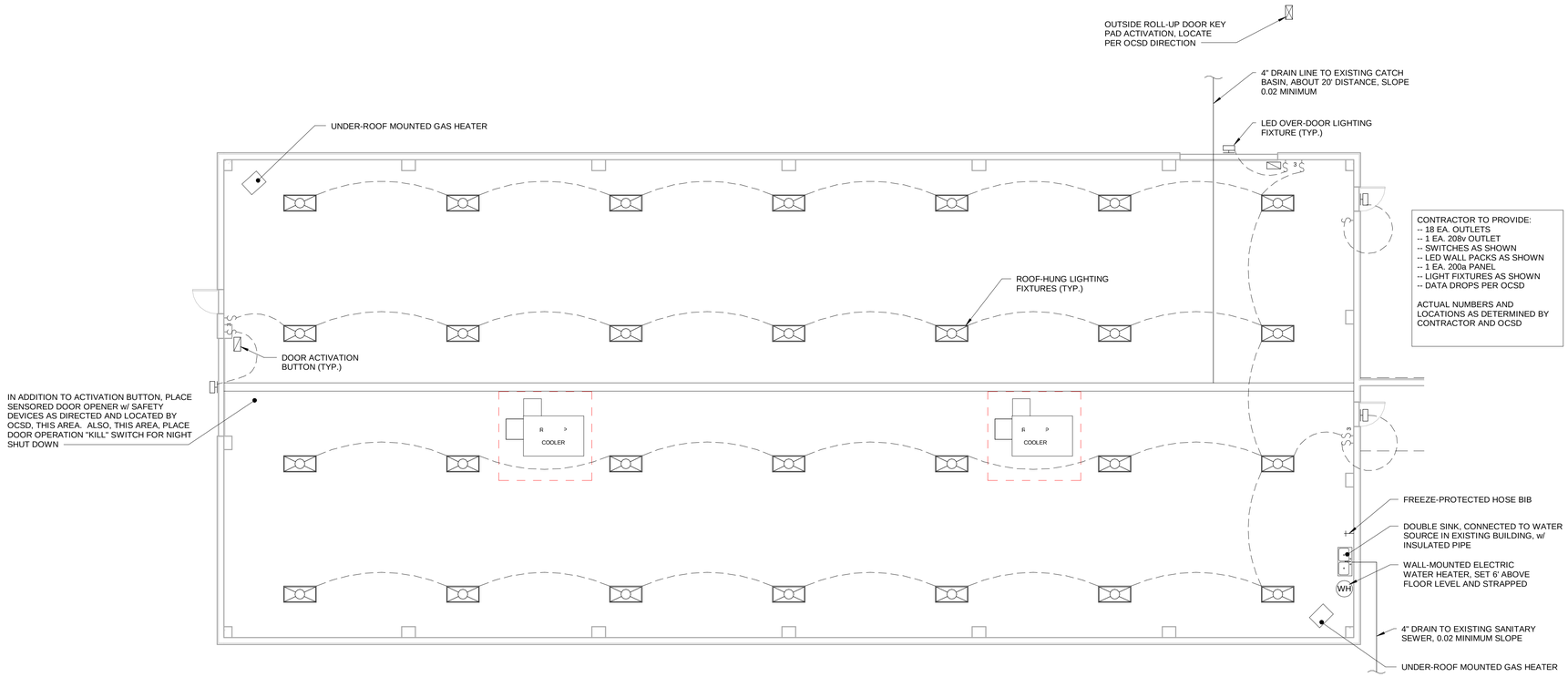
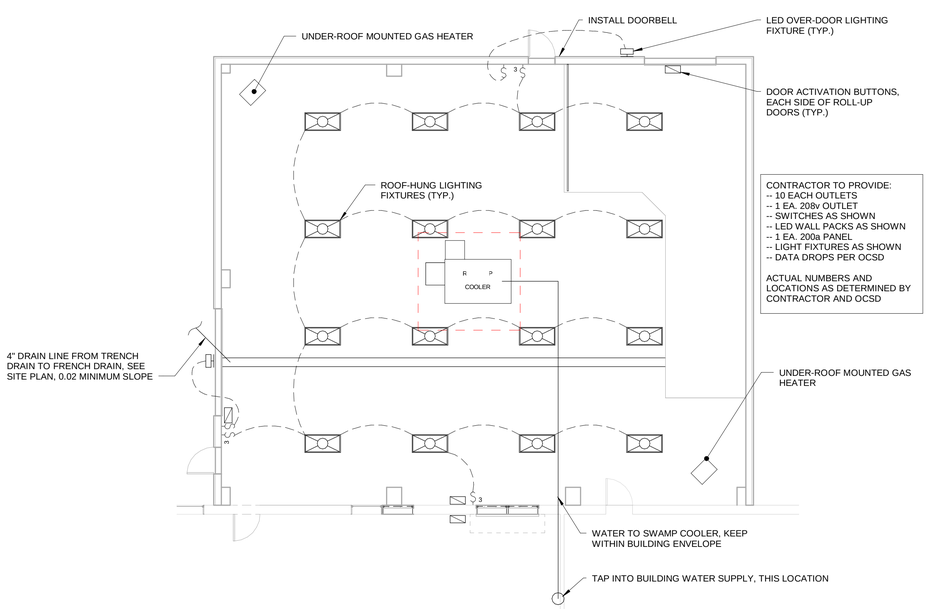
Sheet A-6

Sections

2/14/2013 8:14:06 PM



1 MEP Plan - Parking
1/8" = 1'-0"



2 MEP Plan - Shipping
1/8" = 1'-0"

DESIGN/BUILD SUBMISSION REQUIREMENTS:

1. MECHANICAL - CONTRACTOR TO PROVIDE DESIGN DOCUMENTS FOR HEATING, VENTILATING, AND AIR CONDITIONING (SWAMP COOLING) SYSTEMS, INCLUDING ComCHECK TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. DOCUMENTS TO INCLUDE AIR FLOW, HEATING & COOLING TEMPERATURES, HEAT FLOW (BTU) ANALYSIS, FLOOR DRAIN SIZES, ETC. ALL WORK TO BE IAW IBC AND IMC. DOCUMENTS WILL BE A DEFERRED SUBMITTAL TO THE ENGINEER AND TO THE BUILDING OFFICIAL. DOCUMENTS TO INCLUDE PLANS AND CALCULATIONS. CRITICAL: CONTRACTOR TO PROVIDE COMPLETE VENTILATION SYSTEM REQUIRED FOR INDOOR GARAGE FACILITIES, AS STATED IN IBC SECTION 406 (ENCLOSED PARKING GARAGES) & INTERNATIONAL MECHANICAL CODE
2. ELECTRICAL - CONTRACTOR TO PROVIDE DESIGN DOCUMENTS FOR ALL ELECTRICAL SYSTEMS TO BUILDING OFFICIAL AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION, INCLUDING TRANSFORMER SIZING, LIGHTING PLAN AND FIXTURE SPECIFICATIONS, WIRE SIZING, CONDUIT SIZING AND MATERIALS, PANEL BOX SIZES, CIRCUIT BREAKER SIZES AND PHASE CONNECTION CONFIGURATION, SINGLE-LINE POWER WIRING CONFIGURATION, AND ALL OTHER ELECTRICAL DETAILS. DOCUMENTS TO INCLUDE DRAWINGS AND CALCULATIONS
3. PLUMBING - CONTRACTOR TO PROVIDE DESIGN DOCUMENTS FOR ALL PLUMBING SYSTEMS TO BUILDING OFFICIAL AND ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION, TO INCLUDE WATER, SEWER AND GAS LINE SIZES AND MATERIALS, FIXTURE UNIT CALCULATIONS AND OTHER PLUMBING DETAILS. DOCUMENTS TO INCLUDE DRAWINGS AND CALCULATIONS
4. FIRE PROTECTION - EXTEND EXISTING FIRE DETECTION SYSTEM FROM EXISTING MAINTENANCE BUILDING TO NEW PARKING FACILITY AND TO SHIPPING ADDITION. EXTENSION TO BE DESIGN BY A QUALIFIED FIRE PROTECTION ENGINEER OR AN APPROVED TECHNICIAN
5. SECURITY SYSTEM - CONTRACTOR TO PROVIDE DESIGN FOR A 6-CAMERA SECURITY SYSTEM IN PARKING BUILDING. SYSTEM TO BE SUITABLE FOR INTENDED USE AND ACCEPTED BY OCSD BUILDING OFFICIAL.

GENERAL:

1. CONFIRM EXACT LOCATION OF ALL EQUIPMENT PRIOR TO MAKING PLUMBING ROUGH-IN
2. CONFIRM THE EXACT LOCATIONS WHERE SEWER, WATER & GAS LINES ENTER OR LEAVE THE BUILDING PRIOR TO ROUGH-IN
3. INSTALL WATER AND GAS PIPING SUCH THAT THE PIPING WILL BE PROTECTED BY BUILDING INSULATION TO PREVENT WATER FREEZING AND FOR EASE OF MAINTENANCE
4. ANY PENETRATIONS THRU OR TRENCHED IN CONCRETE FLOORS OR PARTITIONS SHALL BE SAW CUT OR CORE DRILLED AND PATCHED BACK TO MATCH SURROUNDINGS
5. ANY PENETRATIONS THRU FIRE-RATED PARTITIONS, FLOORS OR CEILINGS SHALL BE SEALED WITH SCOTCH 3M No. FS195 WRAP AND No. CP 25 CAULK AS PER MANUFACTURER'S RECOMMENDATIONS
6. DO NOT INSTALL EXPOSED PIPING ABOVE OR WITHIN THE CODE REQUIRED WORKING CLEARANCES OF ANY ELECTRICAL PANEL BOARD OR SWITCHGEAR (30" WIDE OR WIDTH OF THE PANEL, WHICHEVER IS GREATER AND 36" IN FRONT - FLOOR TO CEILING) COORDINATE WITH ELECTRICAL CONTRACTOR
7. MAKE ALL CONNECTIONS TO OWNER SUPPLIED EQUIPMENT REQUIRING PLUMBING AND/OR ELECTRICAL CONNECTIONS
8. PROVIDE & INSTALL MANUAL SHUT-OFF COCKS SUCH AS MUELLER No. T220 AT ALL GAS CONNECTIONS TO GAS FIRED EQUIPMENT
9. ALL GAS PIPING INSTALLED UNDER THIS CONTRACT SHALL BE PAINTED. PAINT MAIN SHUT-OFF VALVES RED AND LABEL "GAS MAIN SHUT-OFFS" WITH A PERMANENT LABEL
10. ALL PLUMBING INSTALLED UNDER THIS CONTRACT SHALL BE INSTALLED IN STRICT CONFORMANCE TO THE LATEST APPROVED VERSION OF THE INTERNATIONAL PLUMBING CODE AS WELL AS ANY LOCALLY ADOPTED AMENDMENTS TO THAT CODE
11. ALL VERTICAL PIPING WITHIN THE BUILDING SHALL BE SUPPORTED BY APPROPRIATE HANGERS AT 4'-0" O.C. ALL HORIZONTAL PIPING WITHIN THE BUILDING SHALL BE SUPPORTED BY APPROPRIATE HANGERS AT 8'-0" O.C. NO PERFORATED PIPE STRAP SHALL BE ALLOWED
12. ALL SANITARY SEWER VENTS THRU THE ROOF SHALL BE ROUTED AND POSITIONED AS REQUIRED TO MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN VENT AND MAKE-UP OR FRESH-AIR INTAKES
13. ALL SANITARY SEWER VENTS THRU THE ROOF SHALL BE A MINIMUM OF 3" DIAMETER TO PREVENT FROST CLOSURE, 12" BELOW ROOF TO 12" ABOVE ROOF
14. SANITARY SEWER DRAINAGE AND VENT SYSTEM SHALL BE TESTED WITH 10' MINIMUM HEAD OF WATER AFTER INSTALLATION.
15. THE DOMESTIC WATER SUPPLY SYSTEM SHALL BE TESTED WITH NOT LESS THAN 25 PSI ABOVE WORKING PRESSURE.
16. FLOOR DRAINS AND SIMILAR FIXTURES SHALL BE AUTOMATICALLY PRIMED TO MAINTAIN THEIR WATER SEAL
17. EVERY WATER HEATER INSTALLATION SHALL BE ACCESSIBLE FOR INSPECTION, MAINTENANCE, REPAIR, REMOVAL OR REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION
18. ENERGY MANAGEMENT - CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH OCSD ENERGY MANAGER SUCH THAT PROVISION IS MADE FOR OCSD TO INSTALL OCCUPANCY SENSORS, TO INCLUDE LIGHTING SENSORS, THERMOSTAT CONTROLS, AND OTHER ENERGY MANAGEMENT DEVICES AS REQUIRED BY BUILDING OFFICIAL.

Additions to Maintenance Facility

Owner: Ogden School District

Location: 1950 Monroe
Ogden, Utah 84401
801-737-8845

Project Number: 2-027

Issue Date: 15 Feb 2013

PROFESSIONAL STRUCTURAL ENGINEER
P.C.McREAKEN
5082849-2203
STATE OF UTAH

Valid only for the facility being built on this lot, and when signed by original in blue ink and stamped.

McReaken Engineering
Architectural - Structural - Civil Engineers
Commercial - Residential - Industrial

2107 25 South, Layton, Utah // 801-544-1330 // 801-641-9115

Revisions

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Sheet MEP

Mech, Elect & Plumbing

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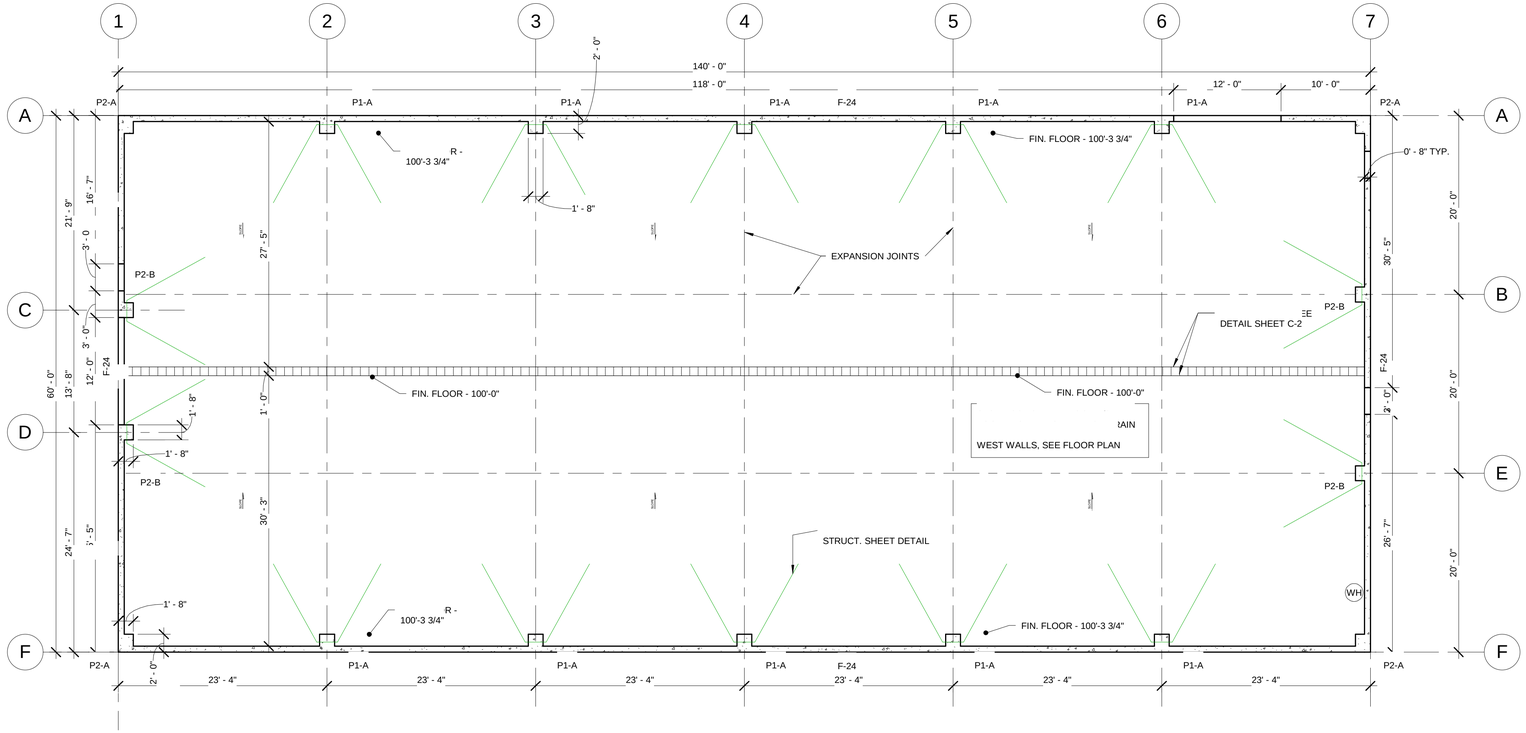
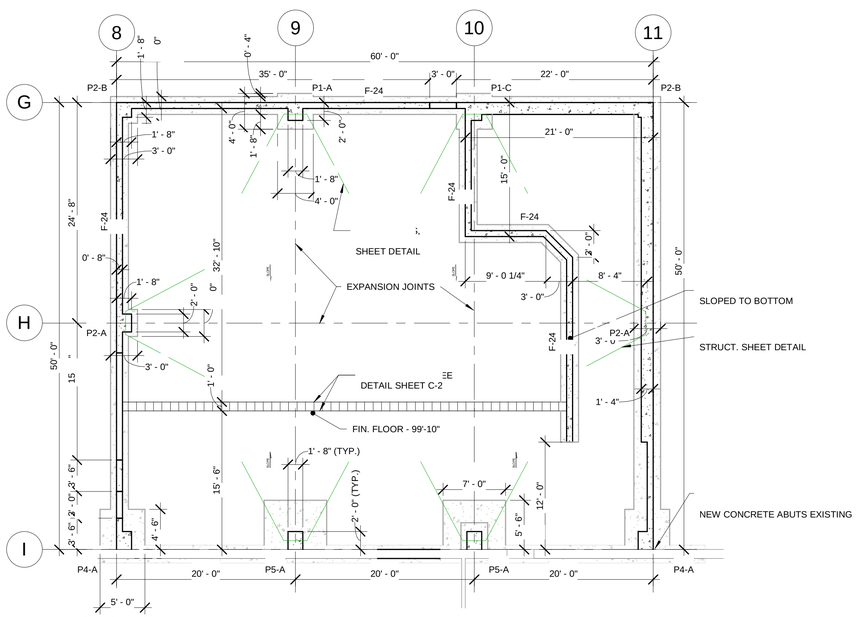


1 Foundation Plan - Parking
1/8" = 1'-0"



2 Foundation Plan - Shipping
1/8" = 1'-0"

CONCRETE SLABS. USE 4000 psi CONCRETE w/ #3 REBAR @ 12" E.W. FOR ALL INTERIOR FLOOR SLABS. USE #4 REBAR @ 12" E.W. ON LOADING DOCK RAMP AND PLATFORM.
DOOR THRESHOLDS. DROP FOUNDATION WALL CONCRETE AT EACH DOOR THRESHOLD PER DETAIL SHEET S-4. INSTALL METAL THRESHOLDS ON PERSONNEL DOORS.
THICKENED SLAB EDGE. THICKEN SLAB EDGES TO 8", AT LEAST 12" AROUND ALL INTERIOR FLOOR SLABS.
FLOOR SLOPES. SLOPE CONCRETE SLABS 1/8" PER FOOT FROM FLOOR TRENCH UPWARDS TO SIDE WALLS.

Additions to Maintenance Facility
Owner: Ogden School District
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Sheet S-1
Foundation Plans

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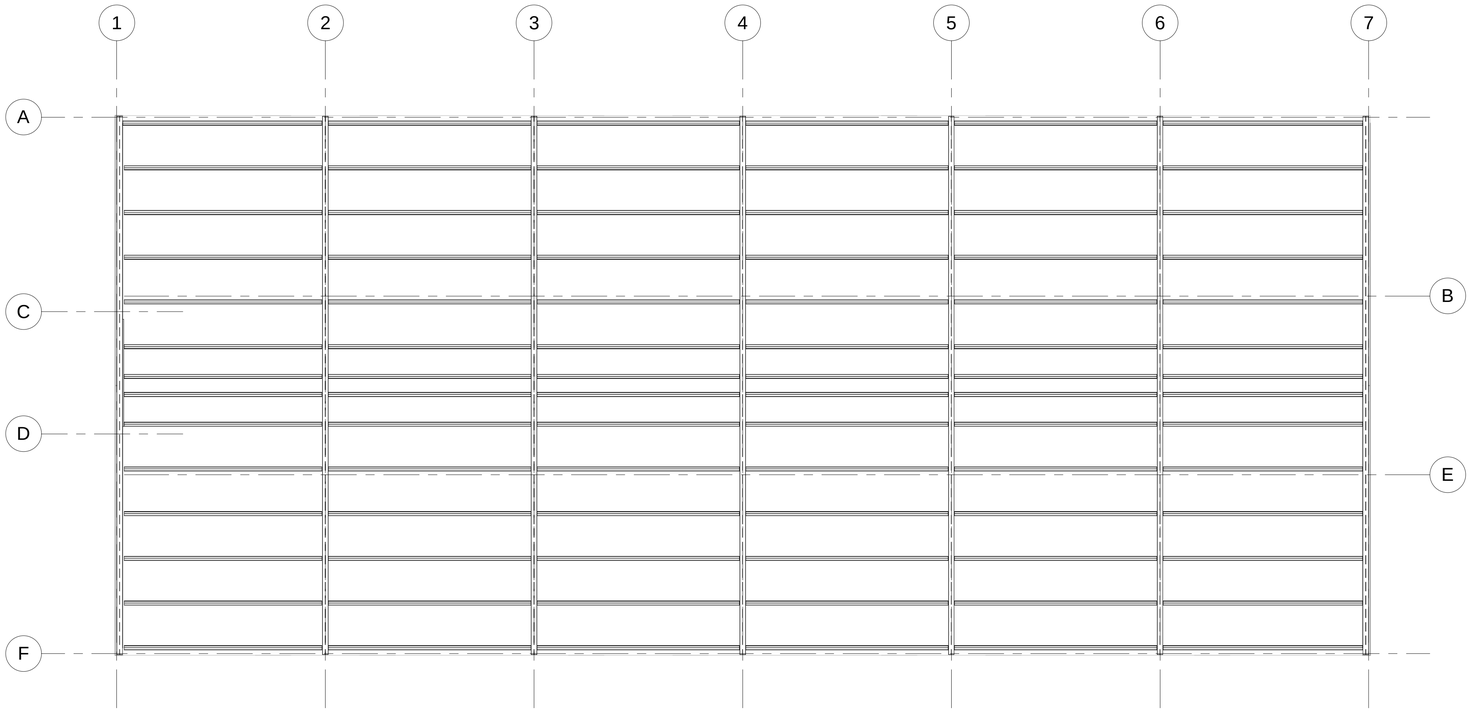
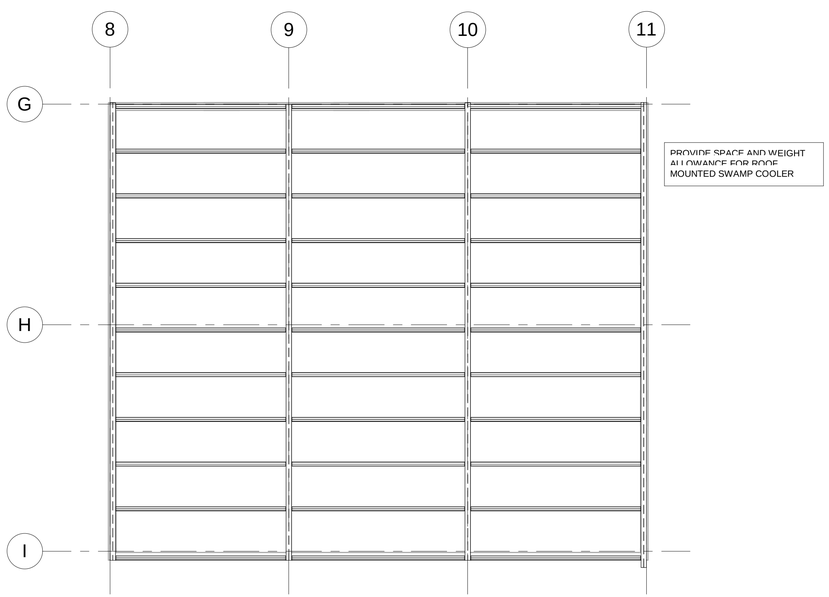


1 Framing Plan - Parking
1/8" = 1'-0"



2 Framing Plan - Shipping
1/8" = 1'-0"

1. T TO
STRUCTURAL CONFIGURATIONS SHOWN ELSEWHERE ON THESE

2. ND WEIGHT
ALLOWANCES FOR ROOF MOUNTED EQUIPMENT.

Additions to Maintenance Facility

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Sheet S-2

Framing Plans

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