

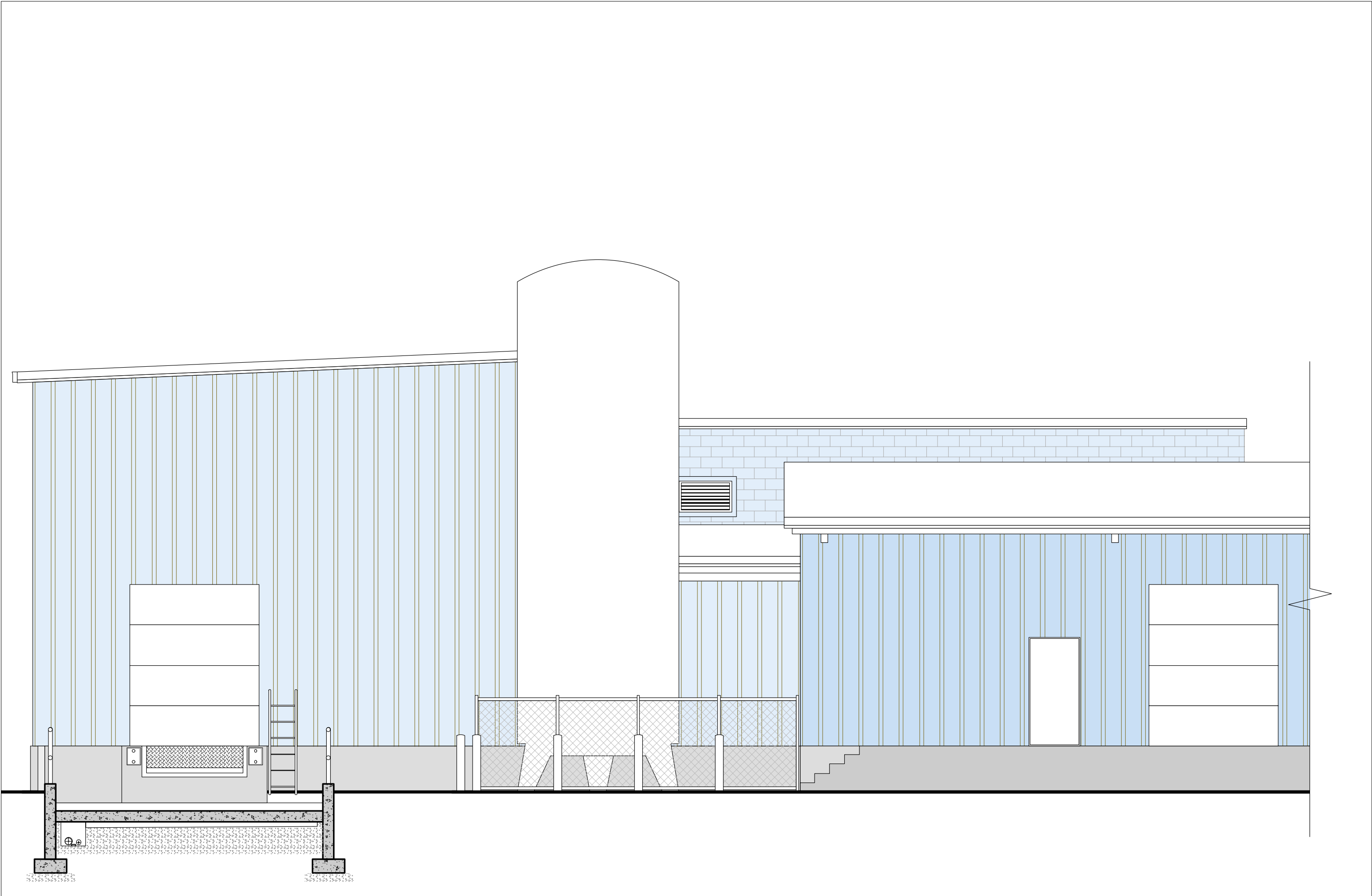
Franklin County Community Development Corporation (FCCDC) - Freezer Addition

324 Wells Street, Greenfield, MA 01301

Construction Documents

01 SEPTEMBER 2015

Rev. April 4, 2016
Rev. October 20, 2016



North Elevation.

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Symbols

Abbreviations

1 Drawing Title Scale

1 5.1

1 9.1

1

1st Floor 0"

Fire separation assembly

Poured in place Concrete with footing

ICF wall

Masonry

Exist Wall

New Wall

Wall Assembly Type Marker

Window Mark

Door Mark

Floor Drain

Drawing Title Reference Mark



4" dia. Recessed Can



LED Strip Light

Building Section Reference Mark



Surface Mount Light



Mono Point Light

Detail Drawing Reference Mark



Wall Washer Light



Pendant Light

Reference Grid Marker



Sconce Light

Level Marker



Switch, Motion-Sensor / 3-way / Timer



Thermostat



Adjustable Dropped Spot Light



Duplex outlet



Switched duplex outlet



Floor Outlet



Exhaust fan / light



Ceiling Fan



Smoke Detector



Combination Carbon monoxide/ Smoke Detector



Heat Detector



Fire Extinguisher



Exit Sign



Emergency Light



Phone/TV/Data Cable Jack

AC: Air Conditioning
ADDL: Additional
AFF: Above Finished Floor
ALUM: Aluminum
APPROX: Approximate

BD: Board
BLDG: Building
BLKG: Blocking
BOTT: Bottom
BR: Bedroom
BTU: British Thermal Units
BTWN: Between

CAB: Cabinet
CF: Cubic Feet
CIP: Cast-in-Place
CL: Centerline
CLO: Closet
CMU: Concrete Masonry Unit
COL: Column
CONC: Concrete
CONT: Continuous
CTR: Center

DBL: Double
DEMO: Demolition
DET: Detail
DH: Double Hung
DIAG: Diagonal
DIA: Diameter
DIM: Dimension
DL: Dead Load
DN: Down
DTL: Detail
DWG: Drawing

ELEC: Electrical
ELEV: Elevator, Elevation
EMER: Emergency
EQ: Equal
EQUIP: Equipment
EXIST: Existing
EXT: Exterior

FAST: Fastener, Fasten
FF: Finished Floor
FIN: Finish, finished
FL: Floor
FT: Foot, Feet
FTG: Footing

GA: Gauge
GAL: Gallon
GALV: Galvanized
GC: General Contractor
GEN: General
GWB: Gypsum Wall Board

HDG: Hot-Dip Galvanized
HDW: Hardware
HDWD: Hardwood
HEX: Hexagonal
HORIZ: Horizontal
HR: Hour
HT: Height
HVAC: Heating, Ventilating & Air Conditioning

ID: Inside Diameter
IN: Inch
INFO: Information
INSUL: Insulation
INT: Interior

J-box: Junction box

KIT: Kitchen
LB: Pound (weight)
LH: Left Hand
LIN: Linear
LL: Live Load
LR: Living Room
LVL: Laminated Veneer Lumber

MAT: Material
MAX: Maximum
MECH: Mechanical
MFR: Manufacture, Manufacturer
MIN: Minimum
MISC: Miscellaneous
MR: Moisture-Resistant

NEC: Necessary
NIC: Not In Contract
NO: Number
NTS: Not To Scale

OA: Overall
OC: On Center
OD: Outside Diameter
OPHD: Opposite Hand
OZ: Ounce

PE: Professional Engineer
PERF: Perforated
POLY: Polyethylene
POLYISO: Polyisocyanurate insulation board
PSF: Pounds per square foot
PSI: Pounds per square inch
PTD: Painted
PVC: Polyvinyl Chloride

QTY: Quantity
R: Riser
RCP: Reflected Ceiling Plan
REBAR: Reinforcing Bar
REF: Refer, Reference, Refrigerator
REQ: Require, Required
RH: Right Hand
RM: Room
RO: Rough Opening

SCHED: Schedule
SECT: Section
SF: Square Foot
SIM: Similar
SPEC: Specification, Specifications
SQ: Square
SS: Stainless Steel
STD: Standard
STL: Steel
STO: Storage
SYM: Symmetrical

T: Tread
T&G: Tongue & Groove
TBD: To Be Determined
TEMP: Temporary, Tempered
THRU: Through
TOF: Top Of Footing
TOW: Top Of Wall
TRG: Trap Rock Gravel
TYP: Typical

UNFIN: Unfinished
VAR: Varies
VB: Vapor Barrier
VCT: Vinyl Composition Tile
VERT: Vertical
VIF: Verify in the Field

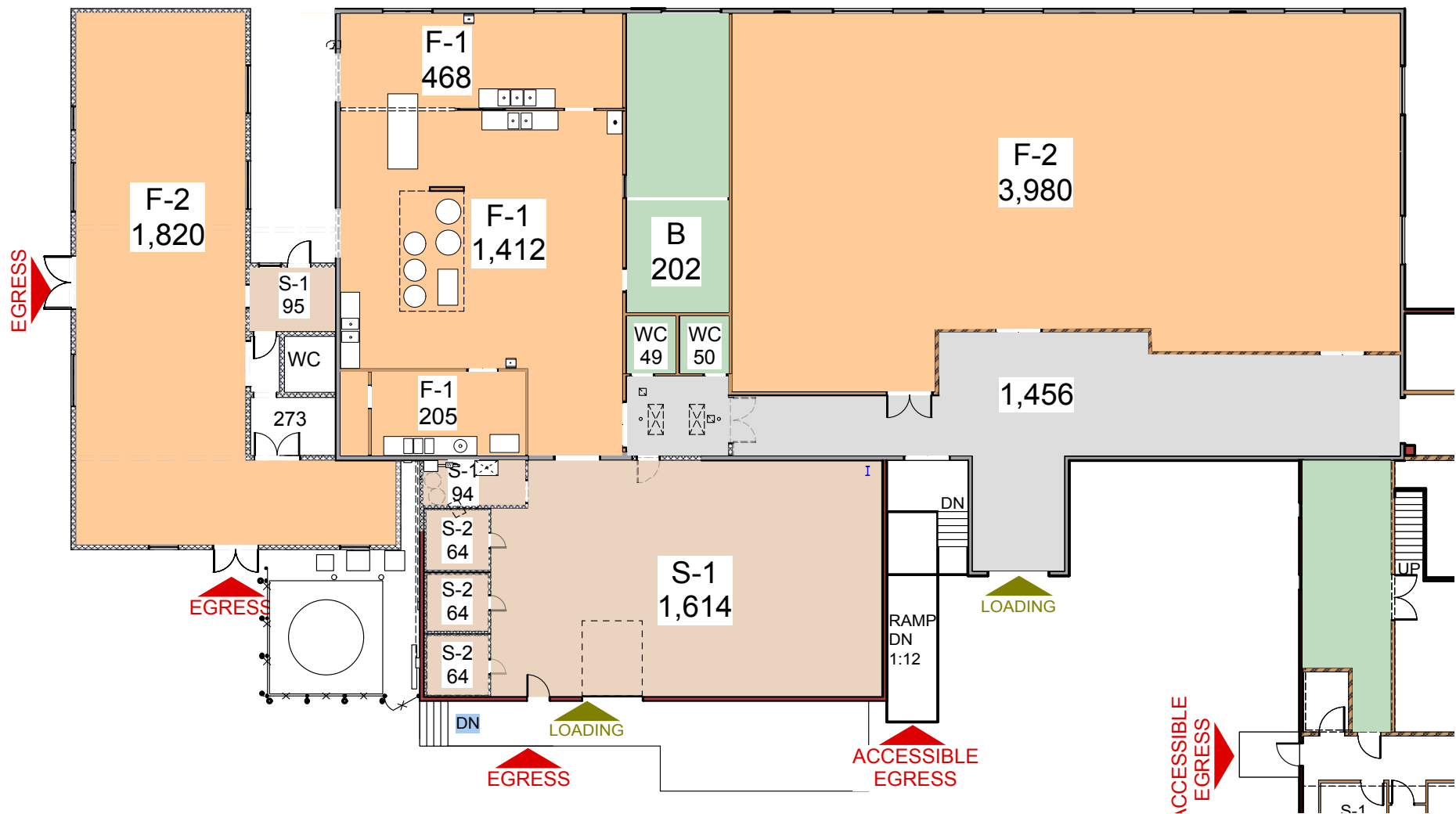
W: With
W/O: Without
WD: Wood
WIN: Window
WP: Waterproof, Weatherproof
WR: Water Resistant, Water Repellent
WT: Weight
WWF: Welded Wire Fabric

XPS: Extruded polystyrene insulation board
YD: Yard

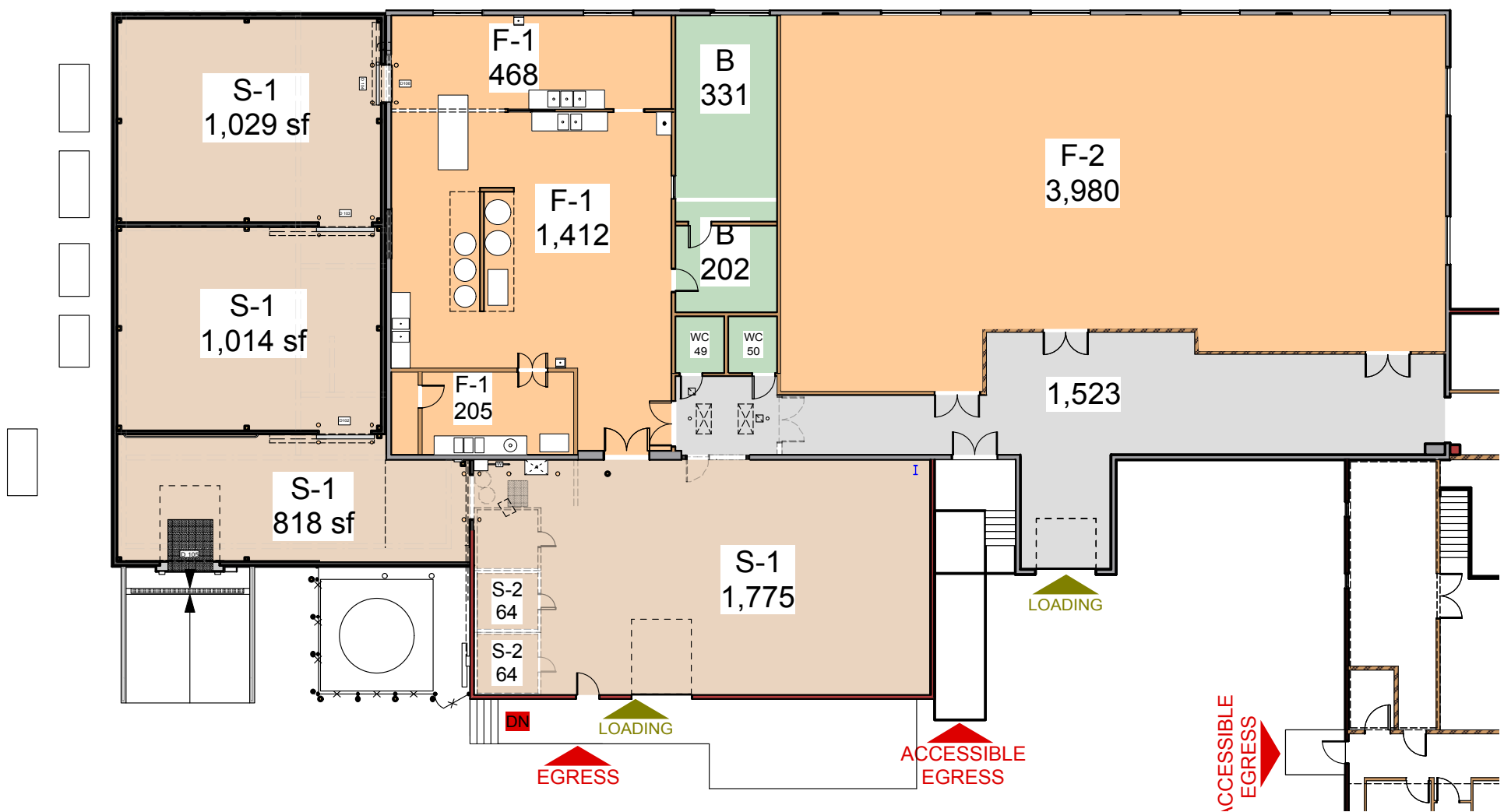
Door Schedule ID	Location	Width	Height	Type	Rating	Frame	Hardware Set	Notes
D 101	Hall / Exist. Dry Storage	8'0"	9'0"	Bi-Swing	2 hr	HM	1	Hollow Metal Door
D 102	New Cold Storage / Dry Storage	7'0"	9'0"	Sliding	-	-		RYTEC Turbo-Slide
D 103	Freezer / New Cold Storage	7'0"	9'0"	Sliding	-	-		RYTEC Turbo-Slide
D 104	Freezer / Kitchen	5'0"	7'0"	Sliding w./ fire shutter	2 hr	-		RYTEC Turbo-Slide w./ fire shutter
D 105	Dry Storage / Loading Dock	8'0"	10'0"	Overhead Sectional	-	-		Insulated Overhead Seectional Door

Finish Schedule ID	Room	Floor	Walls	Ceiling	Notes
101	Freezer	New concrete, sealed	Insulated metal panel	Insulated metal panel	
102	Cold Storage	New concrete, sealed	Insulated metal panel	Insulated metal panel	
103	Dry Storage	New concrete, sealed	Insulated metal panel	Insulated metal panel	
104	Existing Dry Storage	Existing Concrete	Existing to remain, patch	Existing to remain	Patch floor, wall and case opening at new passage and door openings
105	Kitchen	Existing Epoxy	Existing to remain, patch	Existing to remain	Patch floor, wall and case opening at new door openings
106	Hall	Existing Concrete	Existing to remain, patch	Raise existing to 10'-0" AFF	Patch floor, wall and case opening at new door openings

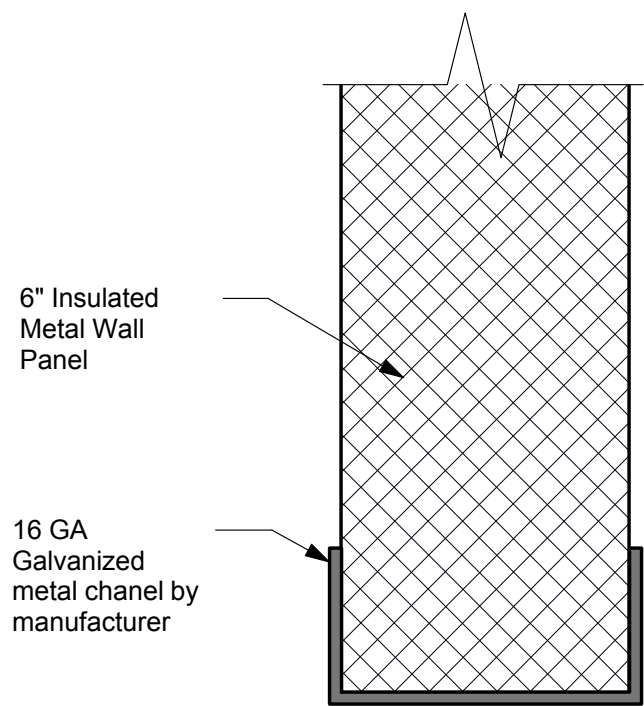
Franklin County CDC Freezer addition to existing food storage building Summary: Proposed work includes: 15 December 2015 Ref. Codes: 2009 Edition of the International Building Code Mass ammendments to IBC, Eighth Addition						
Code	Ch	Section	Description	Existing	Proposed	Notes
IBC	3	311.20	Use and Occupancy Use Group S-1			
IBC	5	Table 503	General Heights and Areas Heights and Areas Heights Area	1 / 1,775	1 / 2,820	
IBC	6	Table 601	Types of Construction Fire resistance rating for building elements	II B	II B	Steel frame, unprotected
IBC	7		Fire and Smoke Protection Features	no change	complies	
IBC	9	903.00	Automatic Sprinkler Systems	Fully Sprinklered, no change	Fully Sprinklered	NFPA 13
		906.10 907.00	Portable Fire Extinguishers Fire Alarm Systems	Required, no change	Required Required	
IBC	10	T 1004.1.1 1008.1.2	Occupant Load: 500 gross Door Swing required	Required, no change 6	Exception 1 allows a non-hinged door if occupant load <10 OK by Exception	S-1 & F-1 are Mod. Hazard
		1014.20	Egress through Kitchen			
		1015.10 1015.50	Exit and Exit Access Doorways Refrigerated Rooms		One exit allowed	IF no refrigerant evaporator inside
IEBC	1	1021.20 101.50	Single Exits IEBC Work Area Compliance Method for alterations		no change	
IEBC	4	407.10	Additions ch 10	Food storage	Freezer storage addition	
IEBC	10	1002.30	Fire Protection Systems	Fully Sprinklered Fire Alarm System	Fully Sprinklered Fire Alarm System	
IEBC	10	1003.40	Structural Snow Drift Loads		Shall Comply	
IEBC	10	1005.10	Accessibility		no change	
MA Amend		1003.40	Take into account cumulative load changes			
MA Amend		1005.10	Accessibility requirements per 521 CMR		no change	



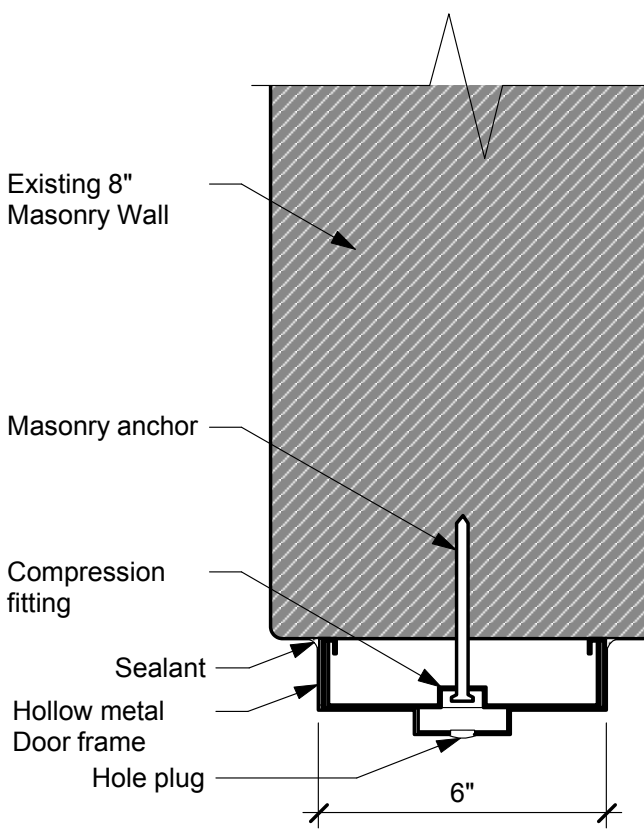
4 Existing Occupancy and Use
Scale: 1" = 20 ft



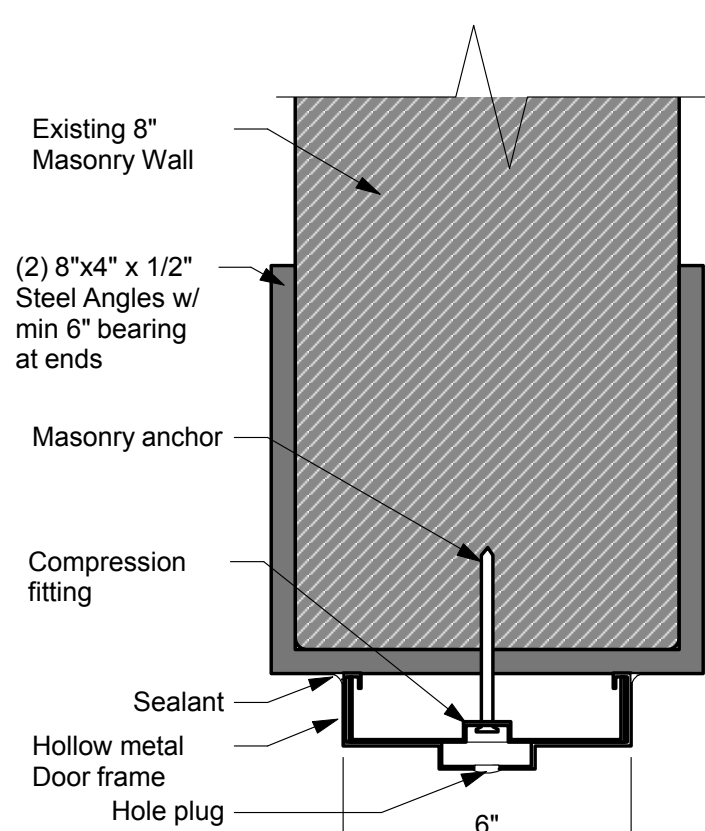
5 Proposed Occupancy and Use
Scale: 1" = 20 ft



1 Typ. Opening in Wall Panel
Scale: 3" = 1'-0"



2 Jamb Detail Door 101
Scale: 3" = 1'-0"



3 Head Detail Door 101
Scale: 3" = 1'-0"



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Title: Notes & Schedules

Scale: NTS

Date: 01-September-2015

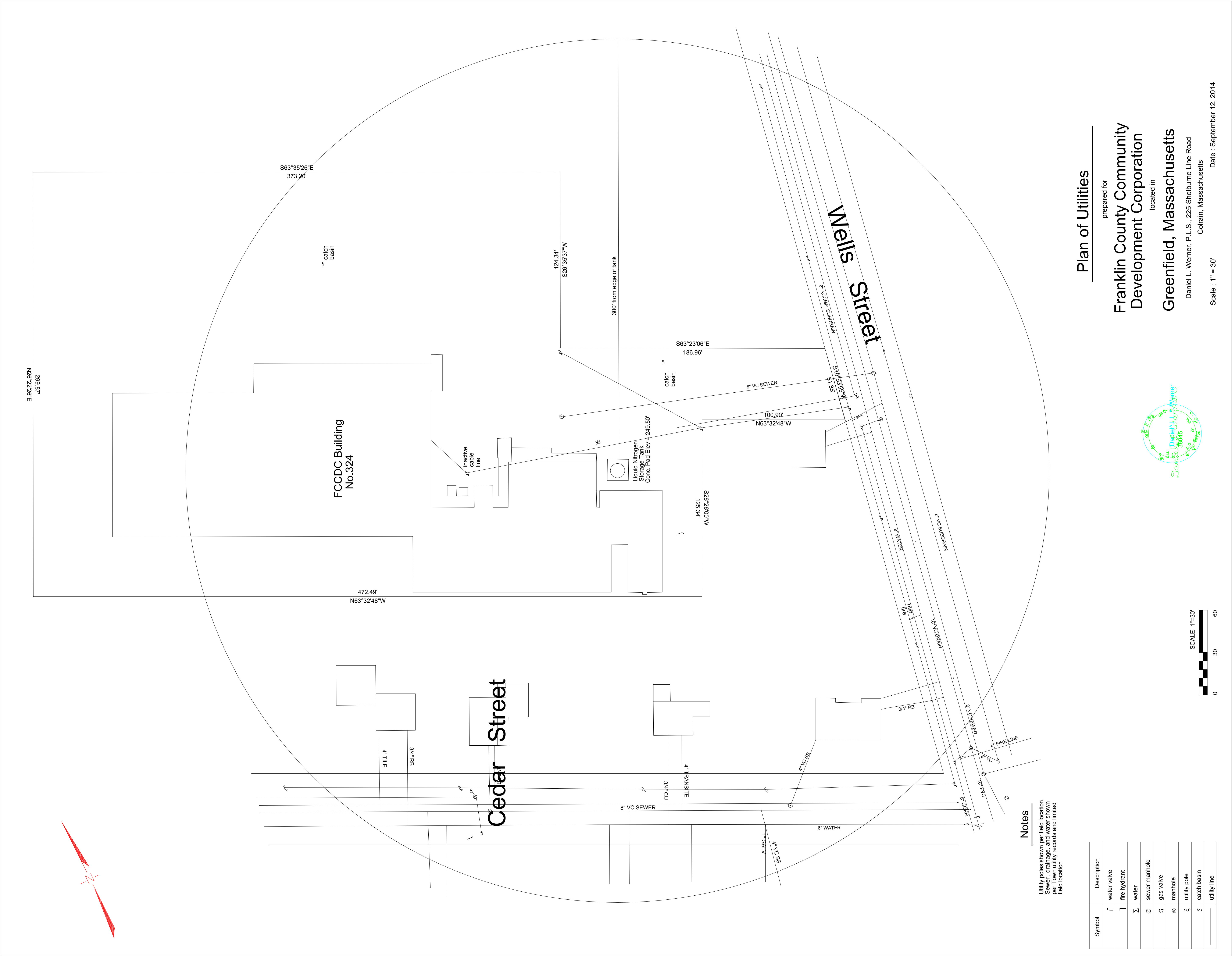
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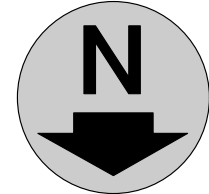
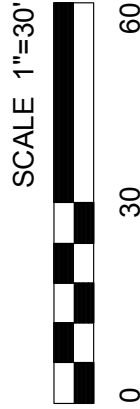
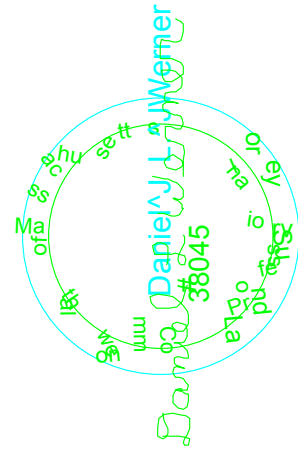
Symbol	Description
┌	water valve
└	fire hydrant
Σ	water
⊙	sewer manhole
⌘	gas valve
⊗	manhole
⋈	utility pole
S	catch basin
—	utility line

Notes

Utility poles shown per field location.
See separate sheet for details.
per Town utility records and limited
field location

Plan of Utilities

prepared for
**Franklin County Community
Development Corporation**
located in
Greenfield, Massachusetts
Daniel L. Werner, P.L.S., 225 Shelburne Line Road
Colrain, Massachusetts
Date : September 12, 2014



Title: Site Survey

Scale: As Noted

Date: 01-September-2015

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2.0



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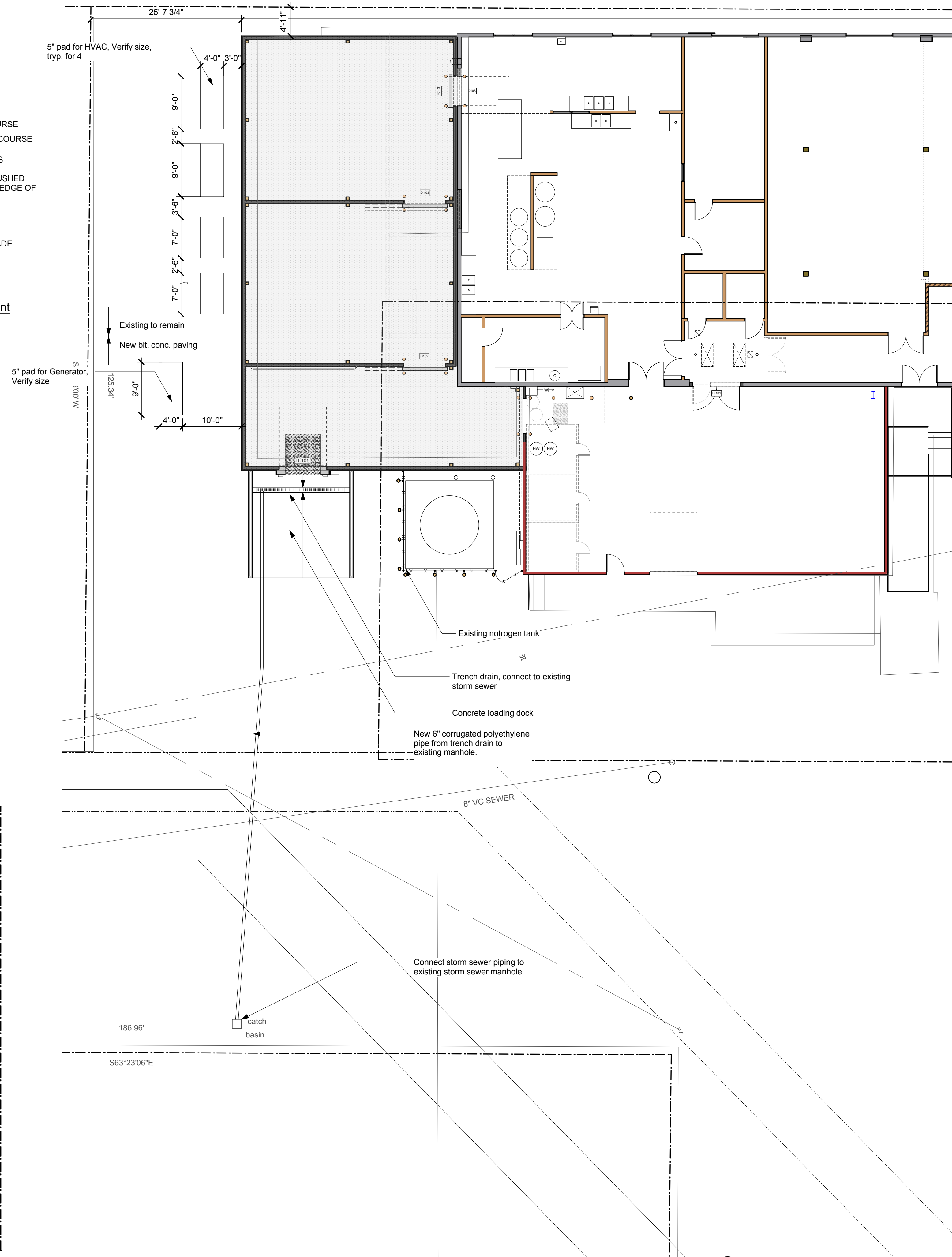
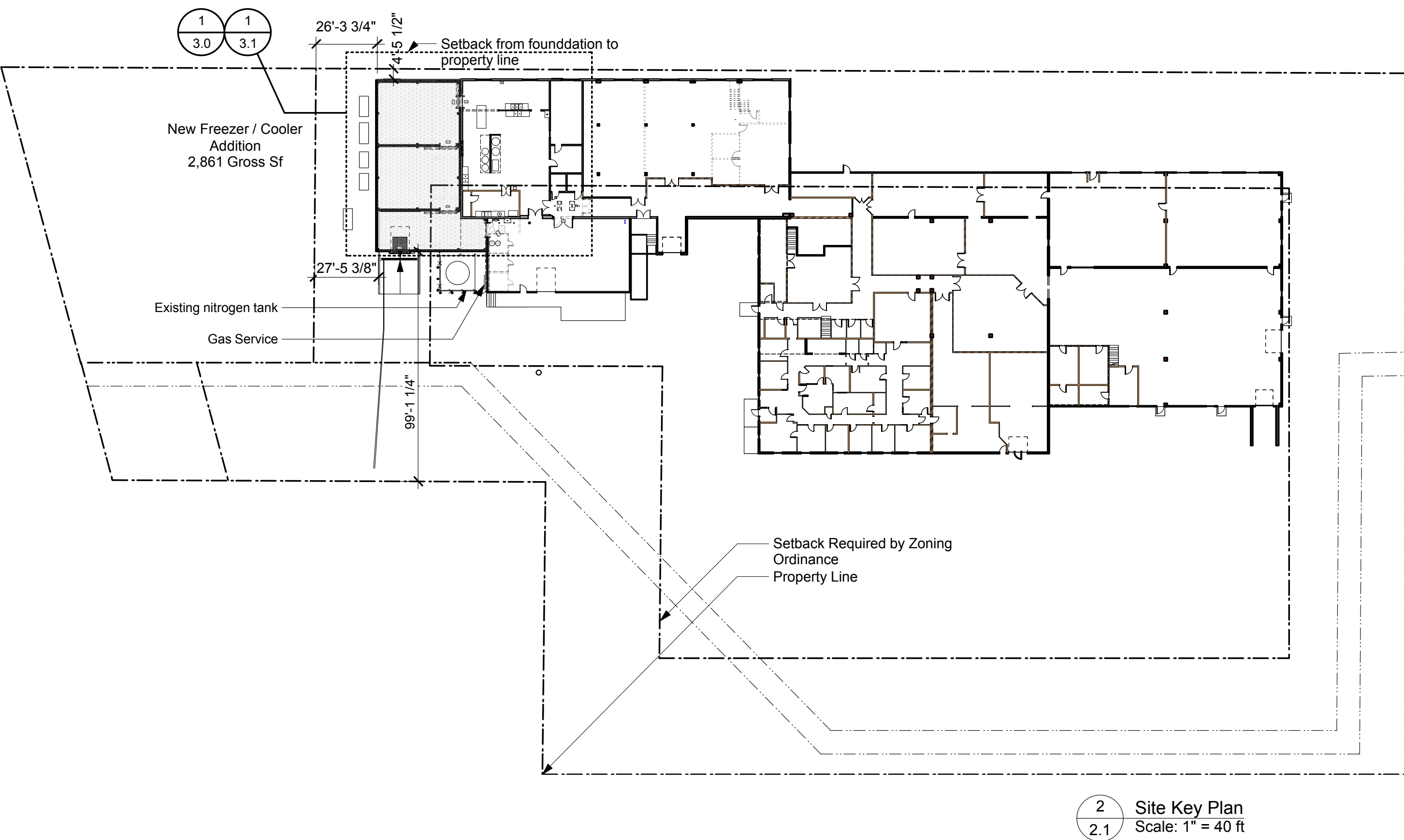
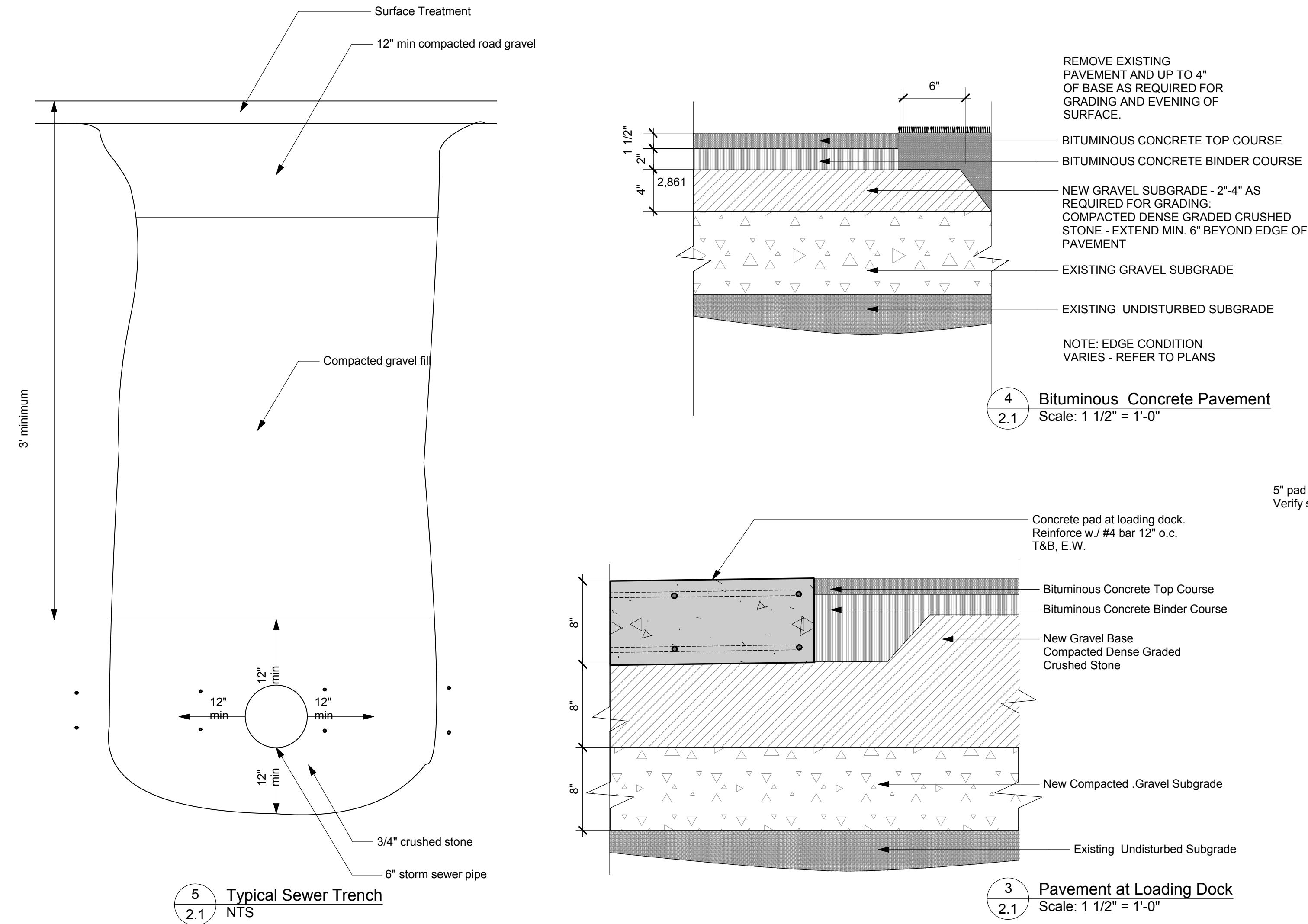
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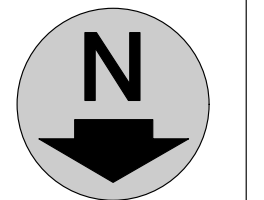
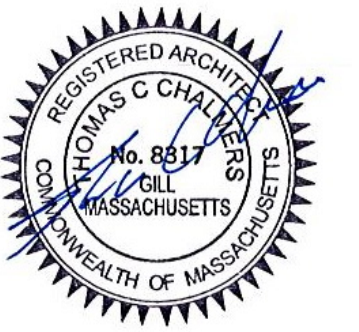


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Title: Site Plans

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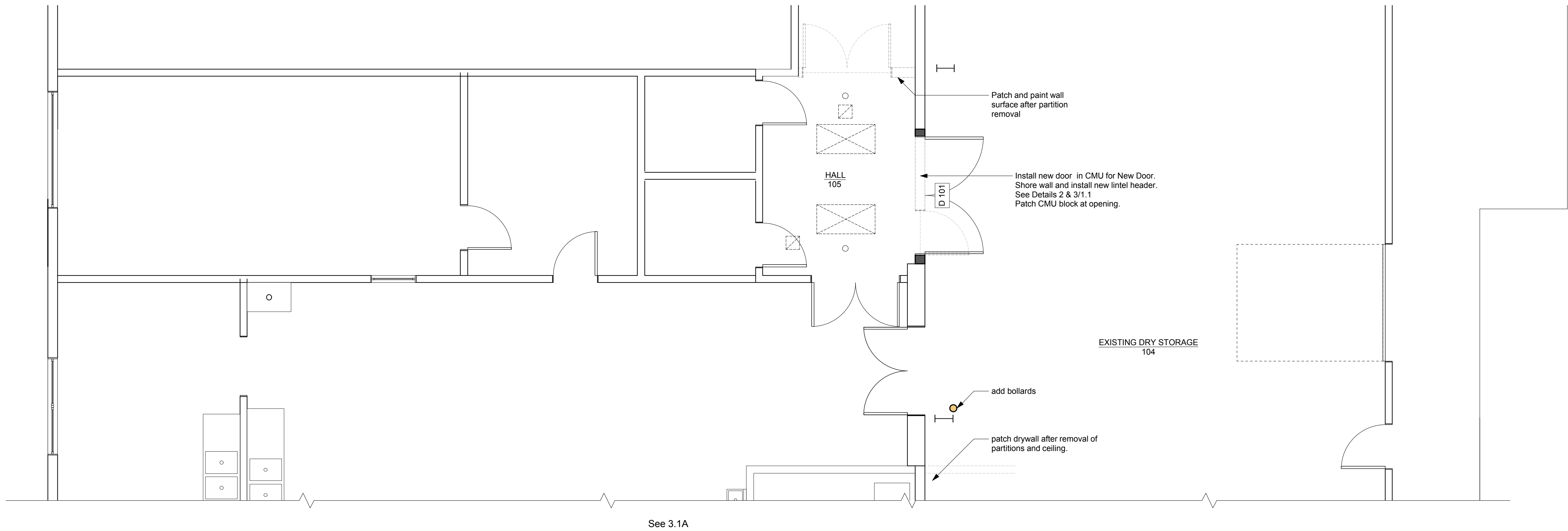
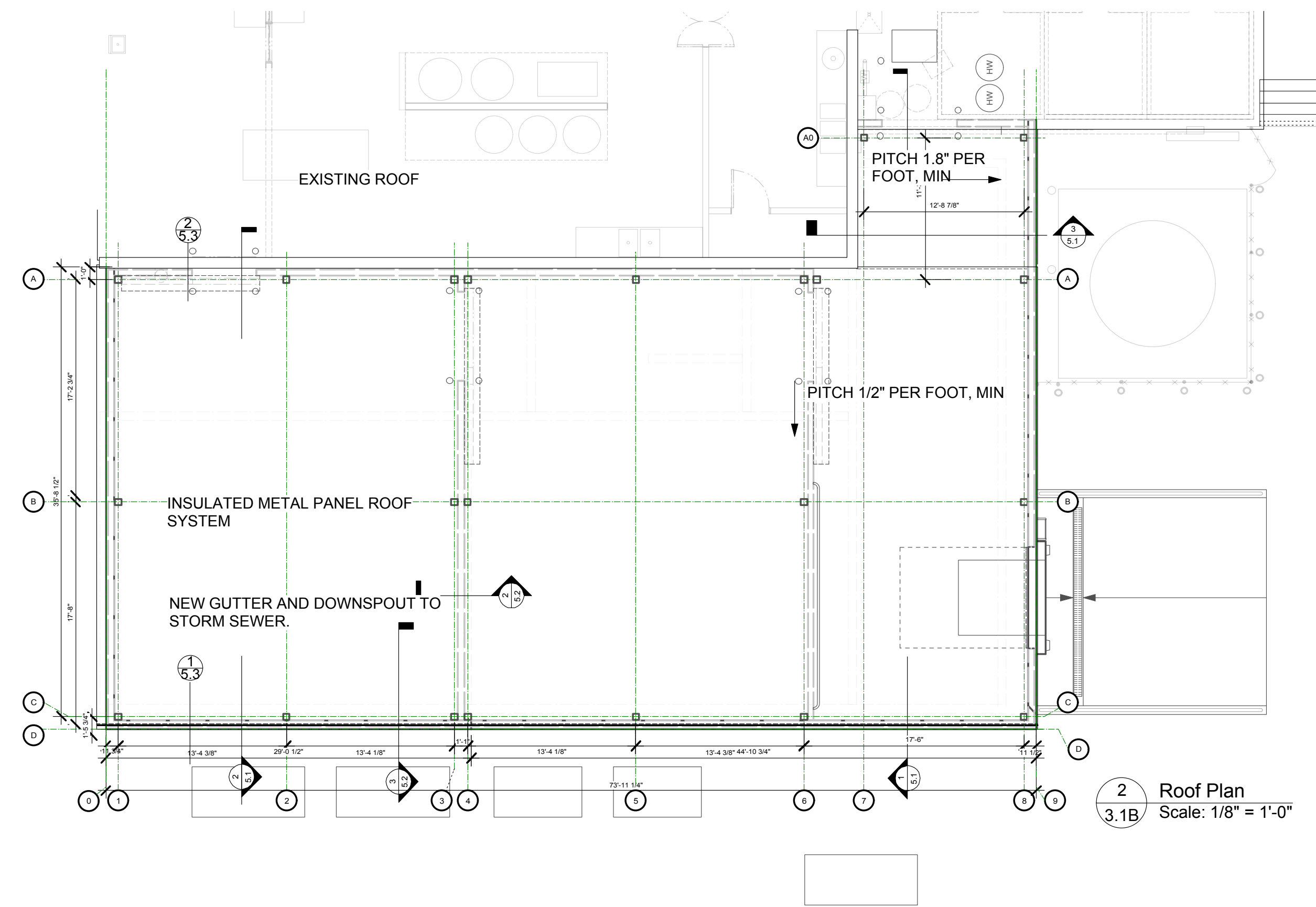
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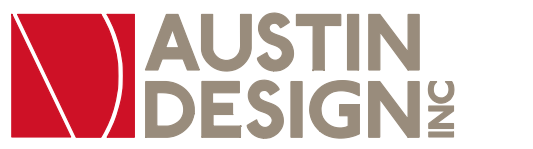
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1 Partial Floor Plan: Freezer Addition
3.1-B Scale: 1/4" = 1'-0"



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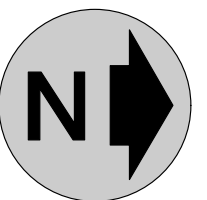
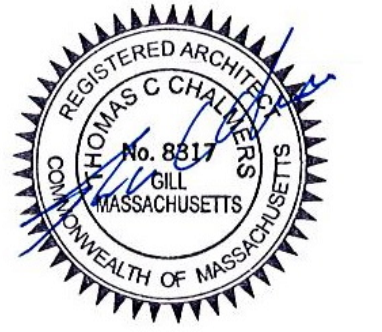
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Title: Partial Floor Plan

Scale: As Noted

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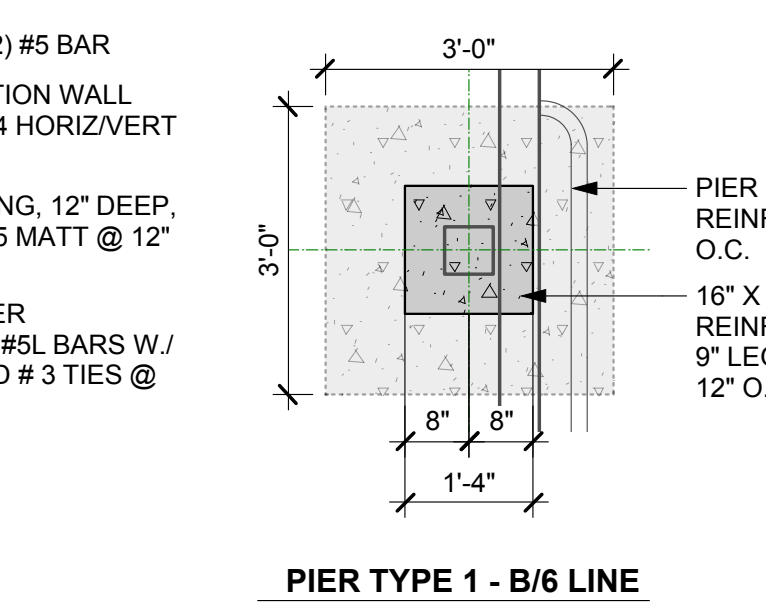
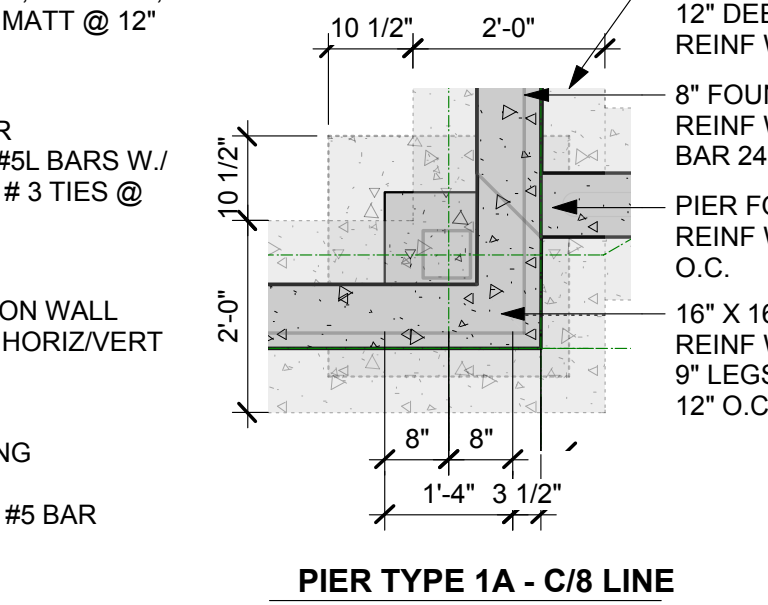
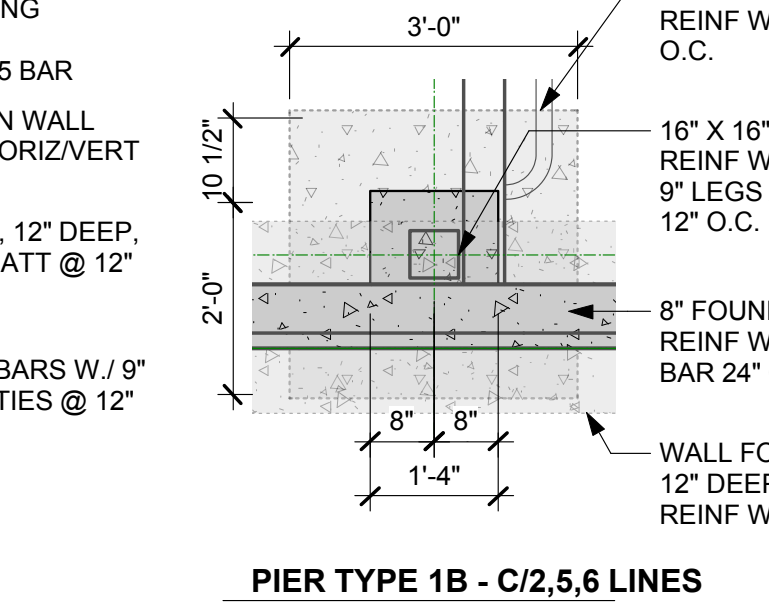
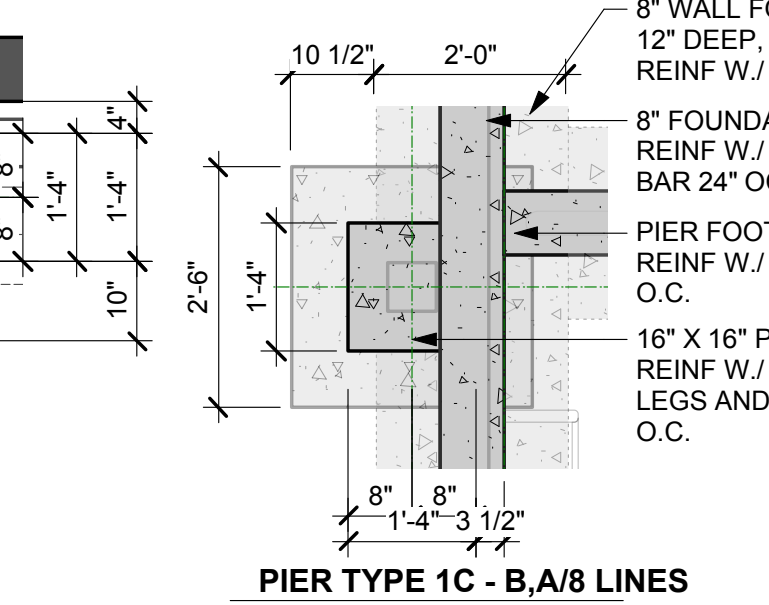
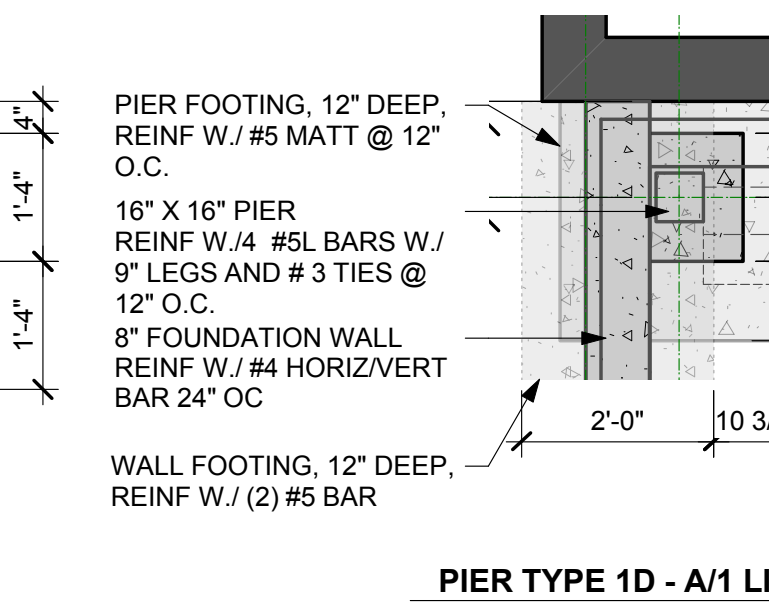
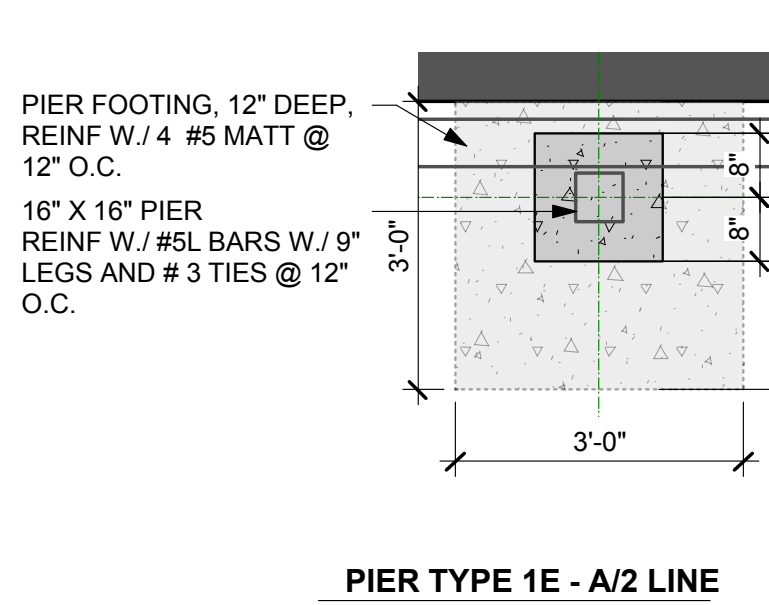
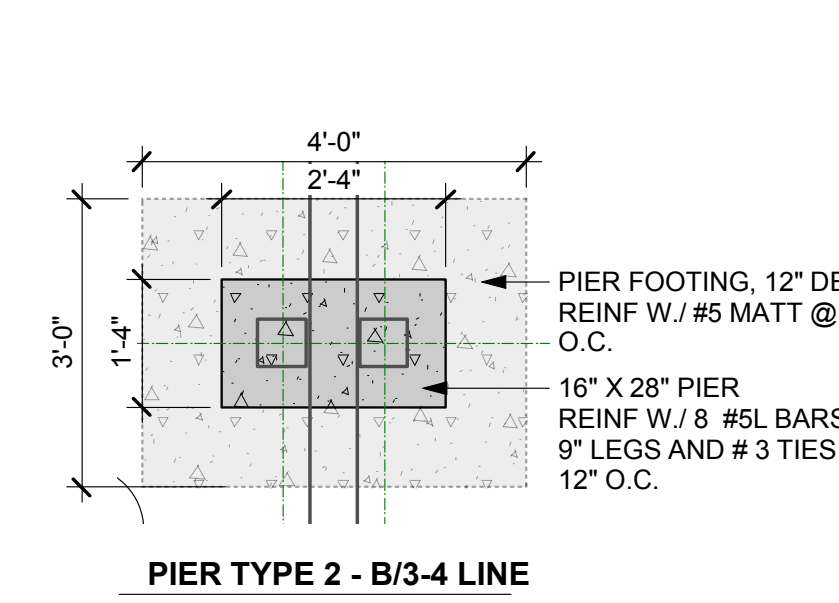
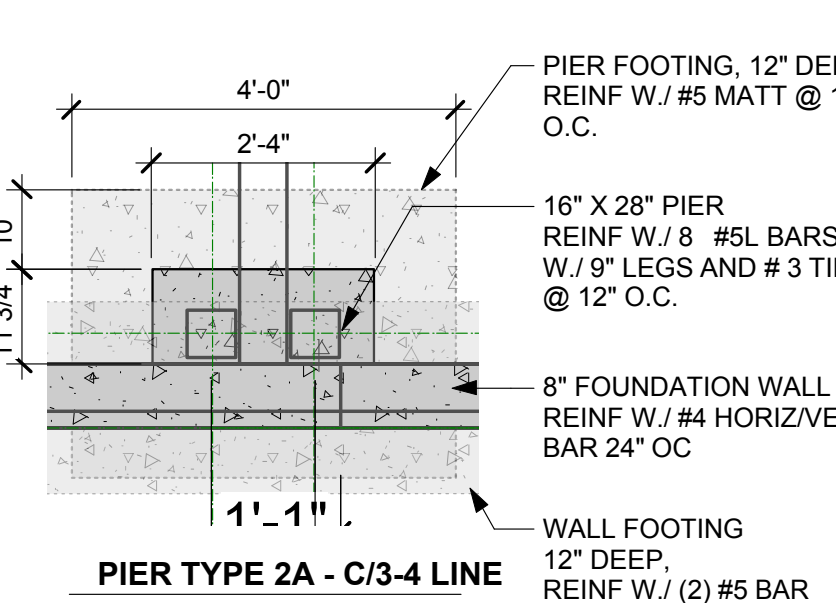
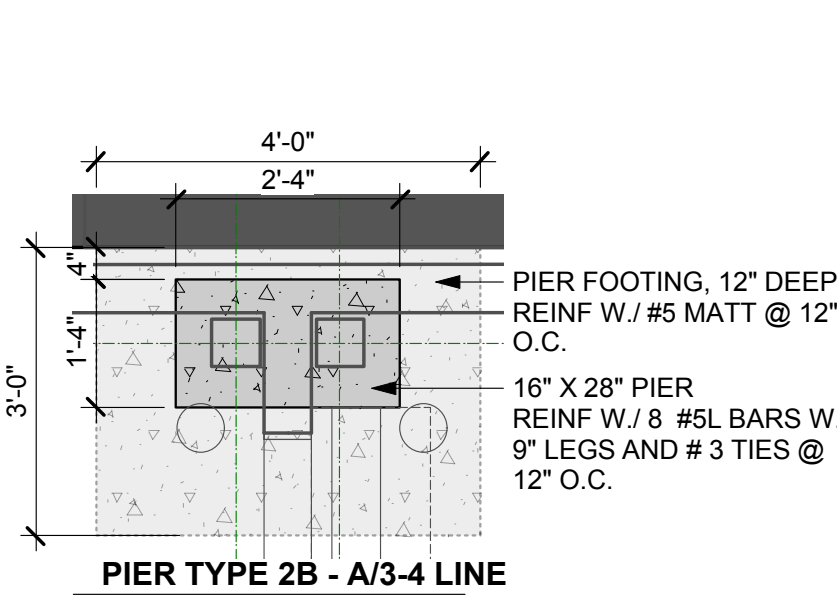
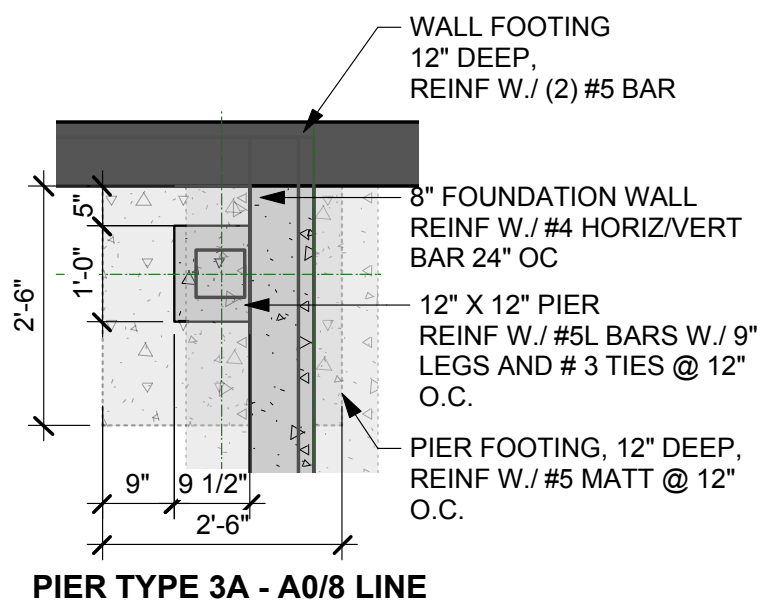
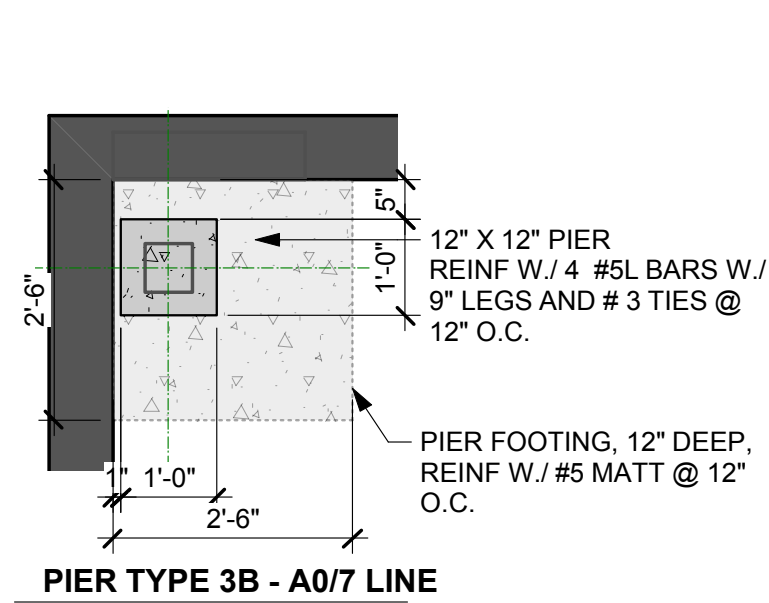
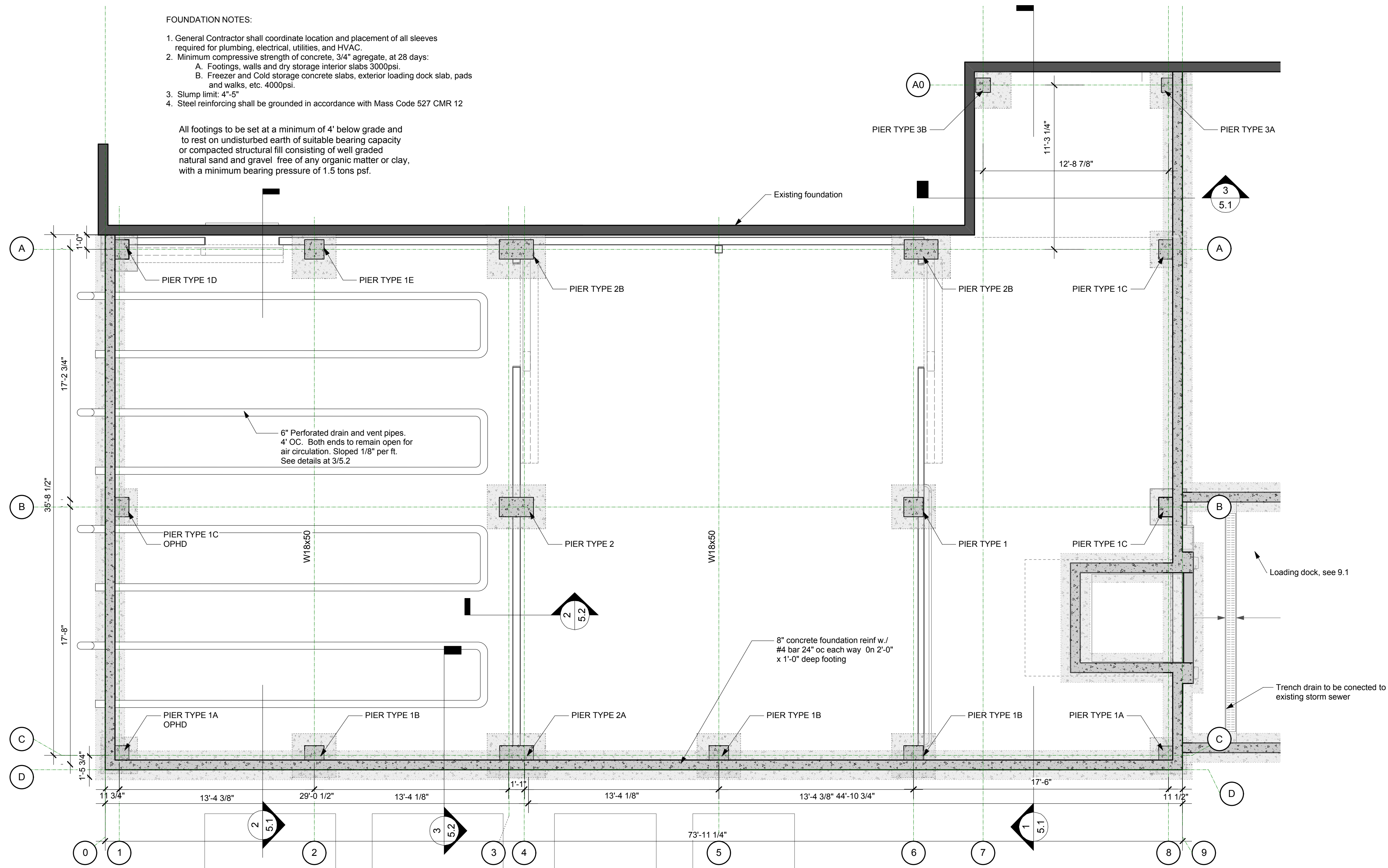
3.1-B

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FOUNDATION NOTES:

- General Contractor shall coordinate location and placement of all sleeves required for plumbing, electrical, utilities, and HVAC.
- Minimum compressive strength of concrete, 3/4" aggregate, at 28 days:
 - Footings, walls and dry storage interior slabs 3000psi.
 - Freezer and Cold storage concrete slabs, exterior loading dock slab, pads and walks, etc. 4000psi.
- Slump limit: 4"-5"
- Steel reinforcing shall be grounded in accordance with Mass Code 527 CMR 12

All footings to be set at a minimum of 4' below grade and to rest on undisturbed earth of suitable bearing capacity or compacted structural fill consisting of well graded natural sand and gravel free of any organic matter or clay, with a minimum bearing pressure of 1.5 tons psf.



1
3.2 Foundation Plan
Scale: 1/4" = 1'-0"

Title: Foundation Plans, Details

Scale: As Noted

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3.2

2
3.2 Pier Plan Details
1/2" = 1' - 0"



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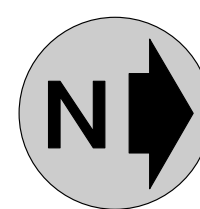
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Title: Framing & Roof Plans

Scale: As Noted

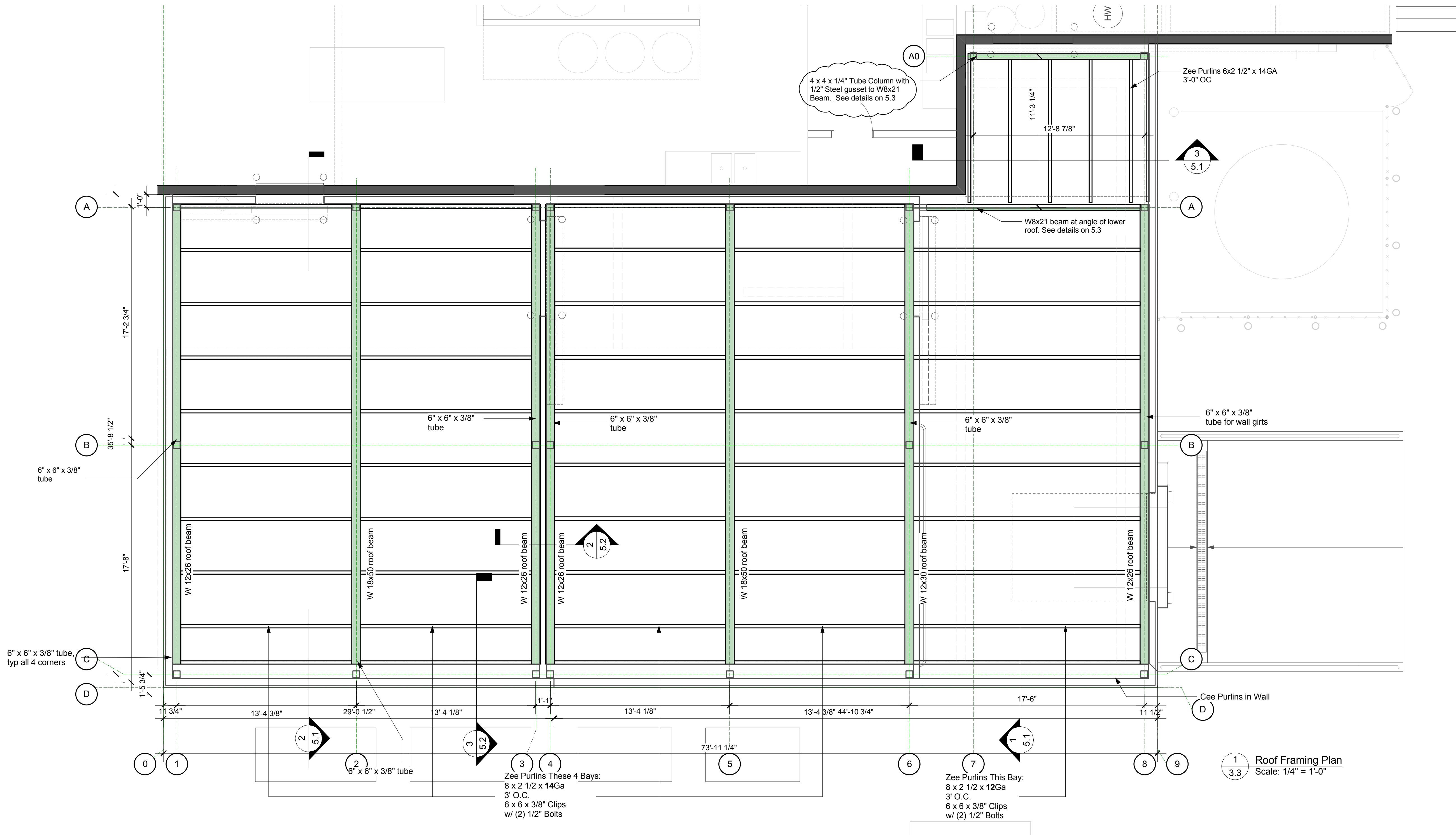
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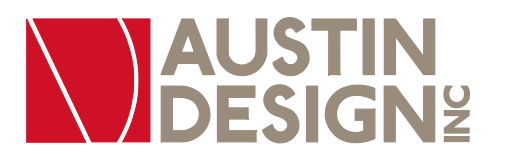
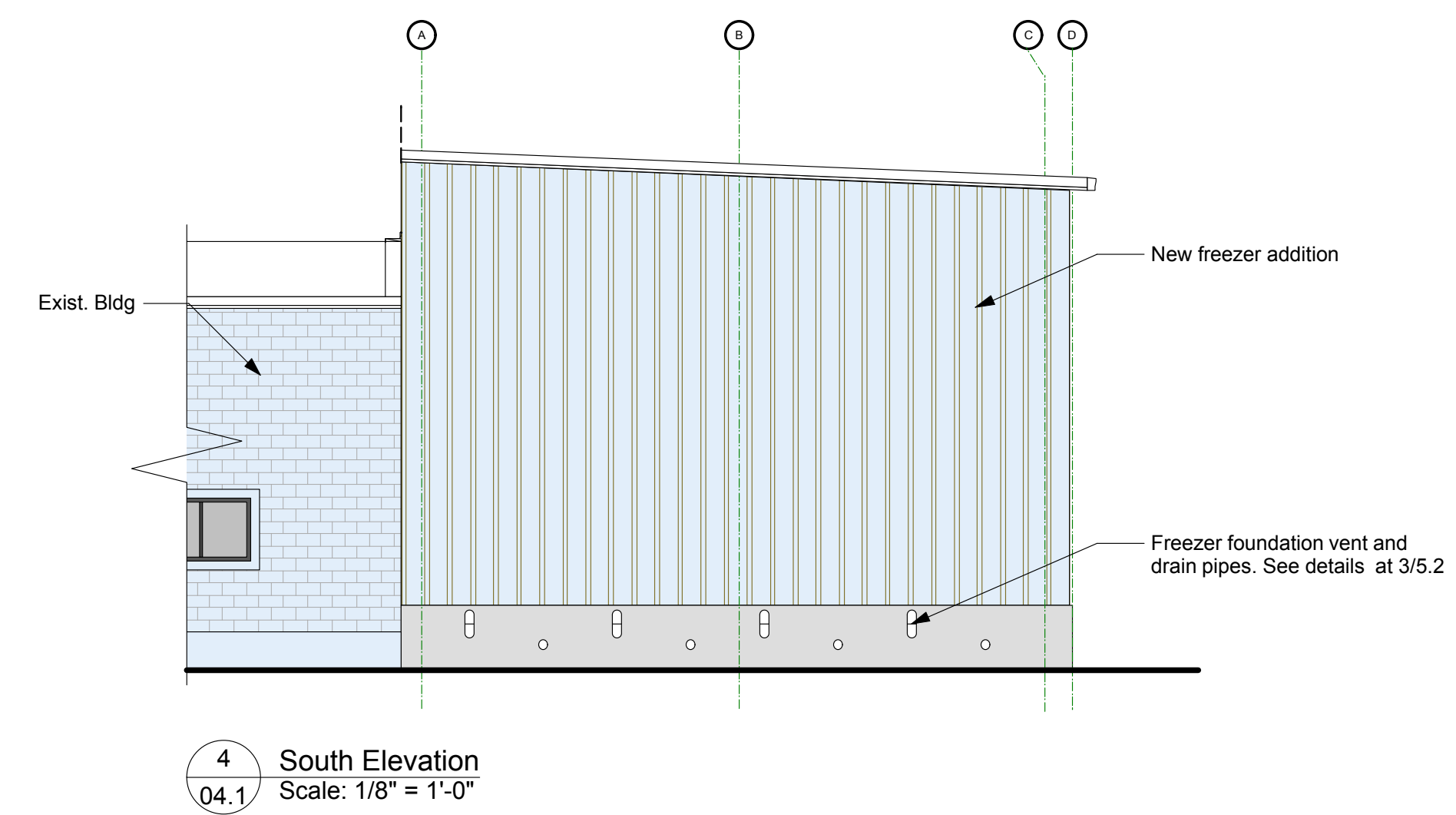
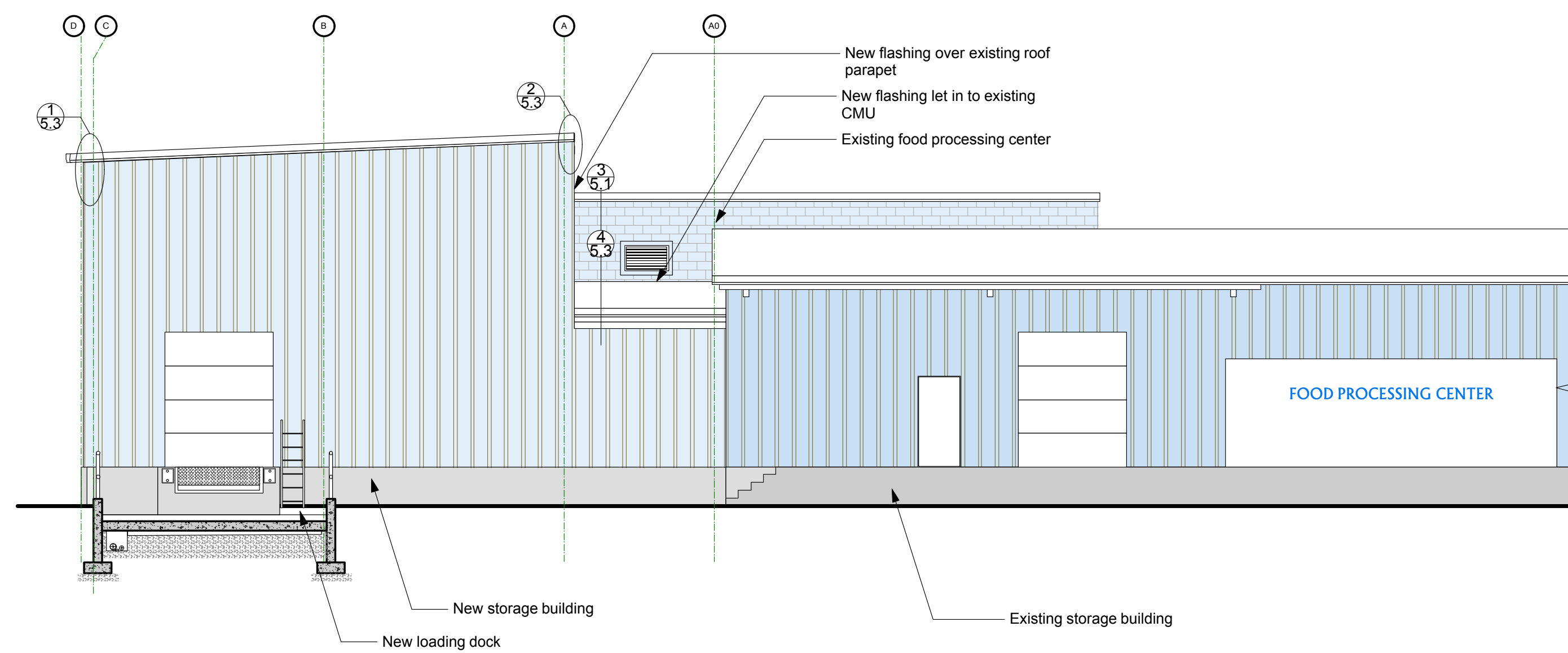
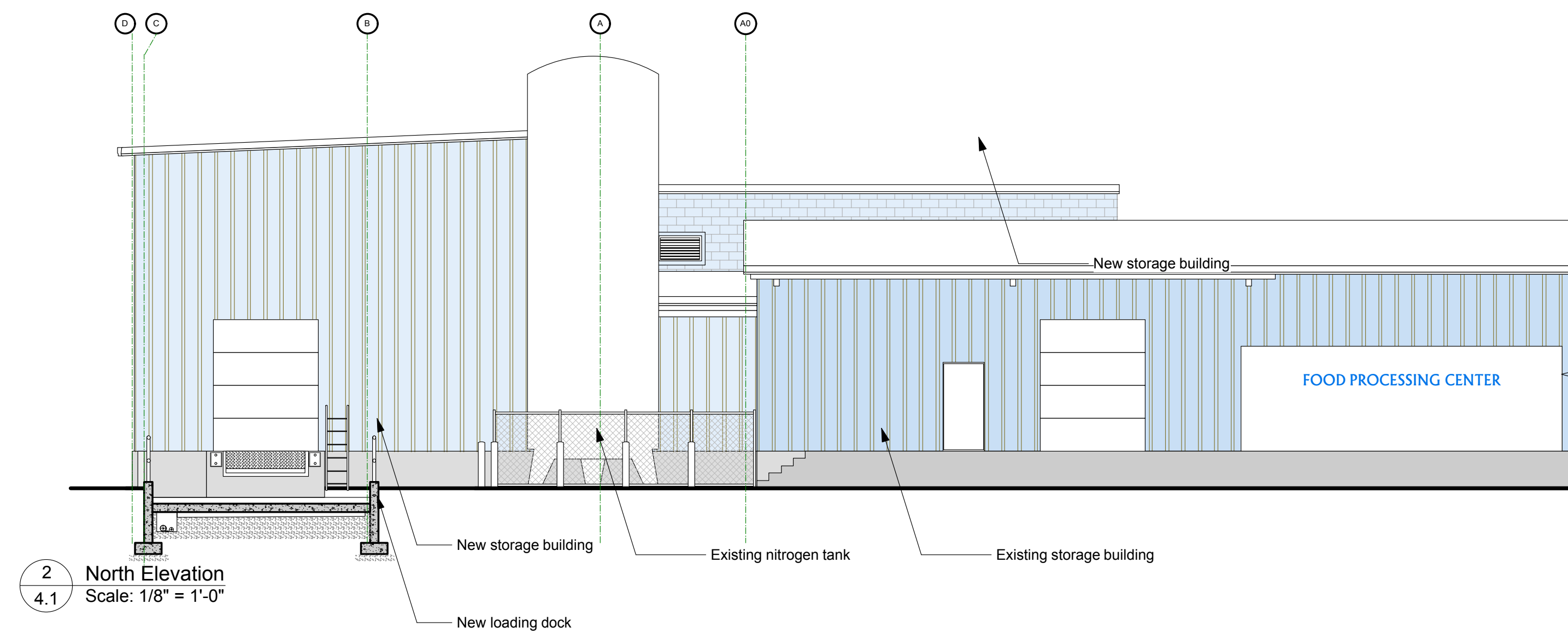
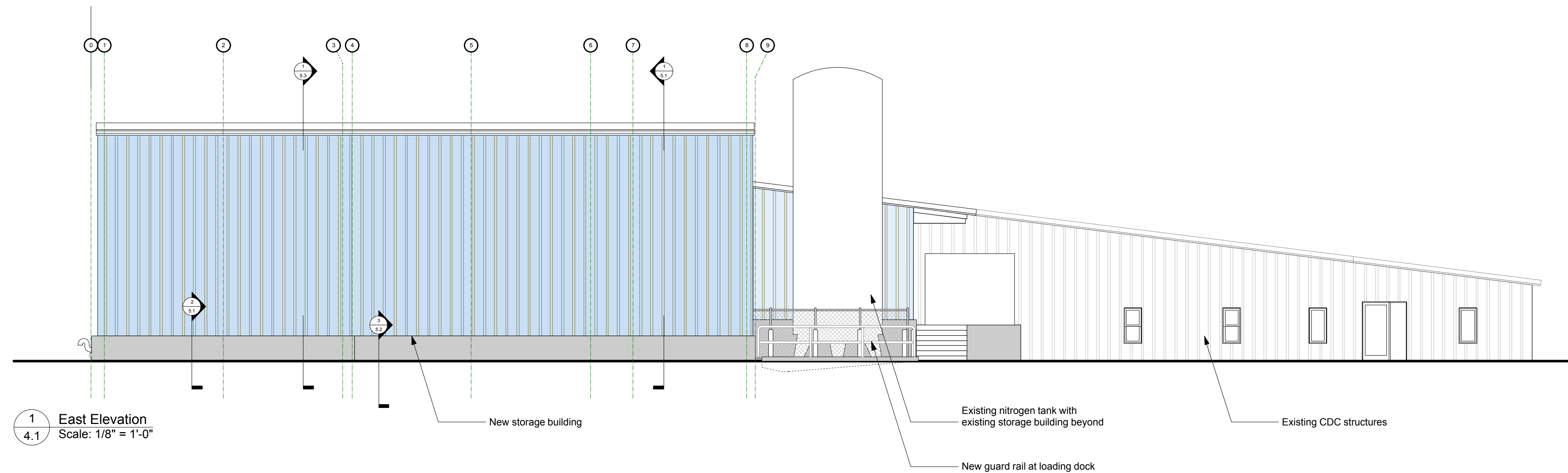
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3.3



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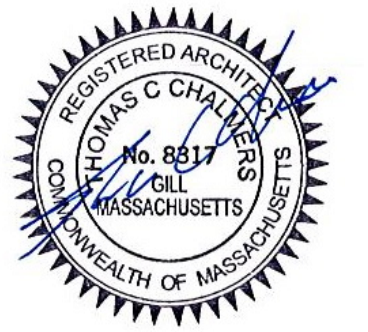
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Title: Exterior Elevations

Scale: 1/4" = 1'-0"

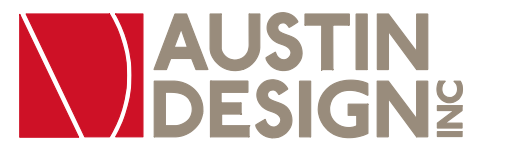
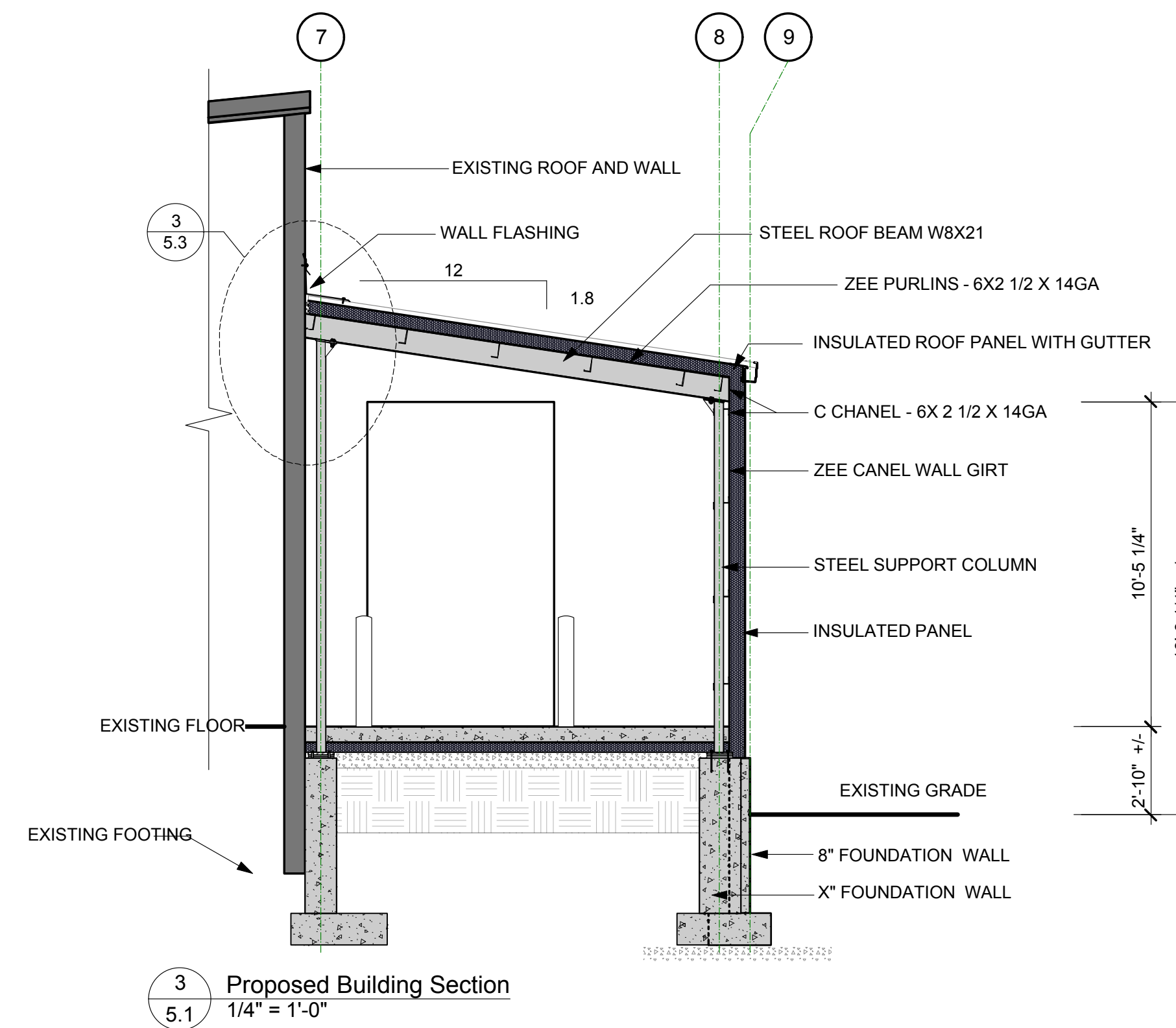
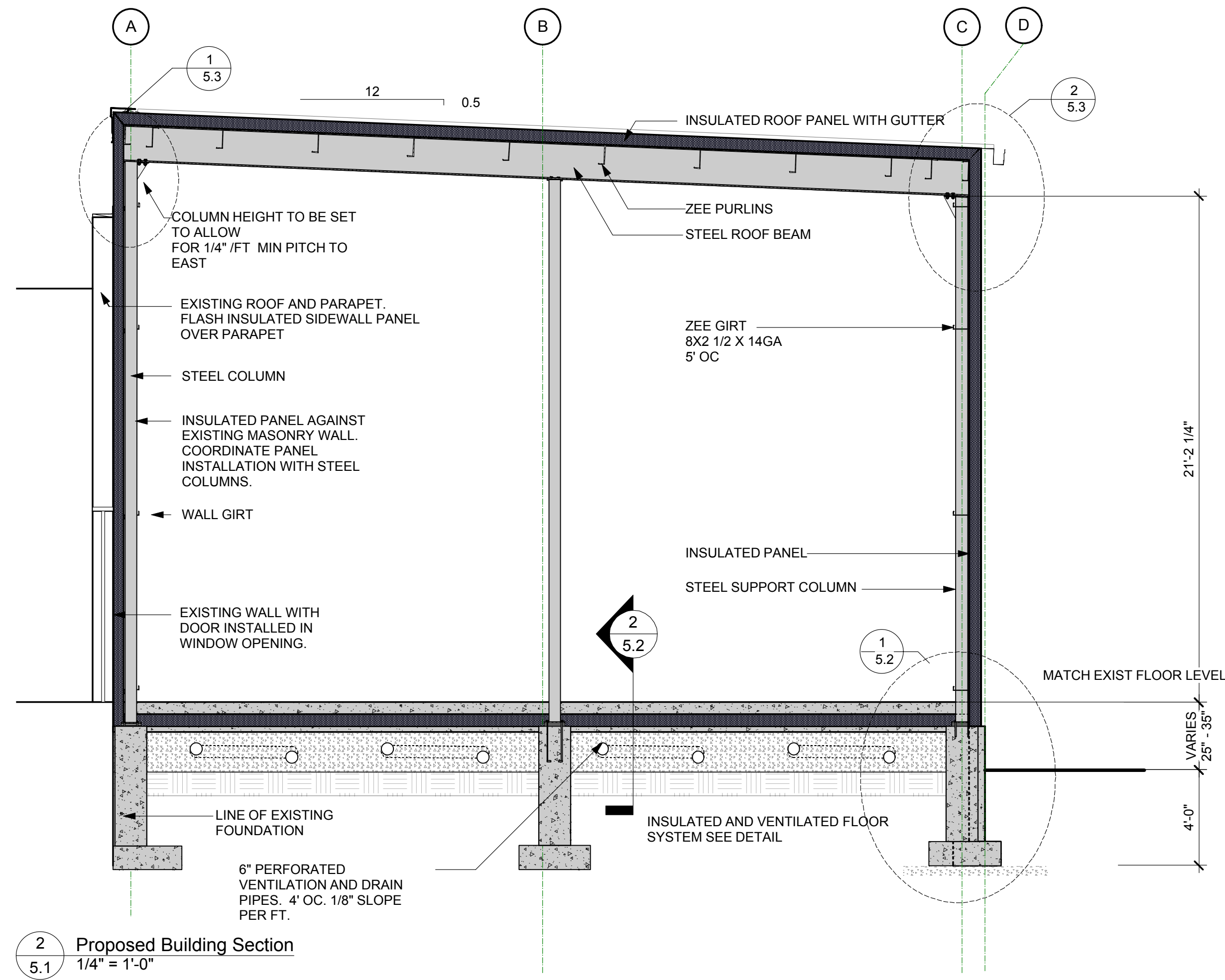
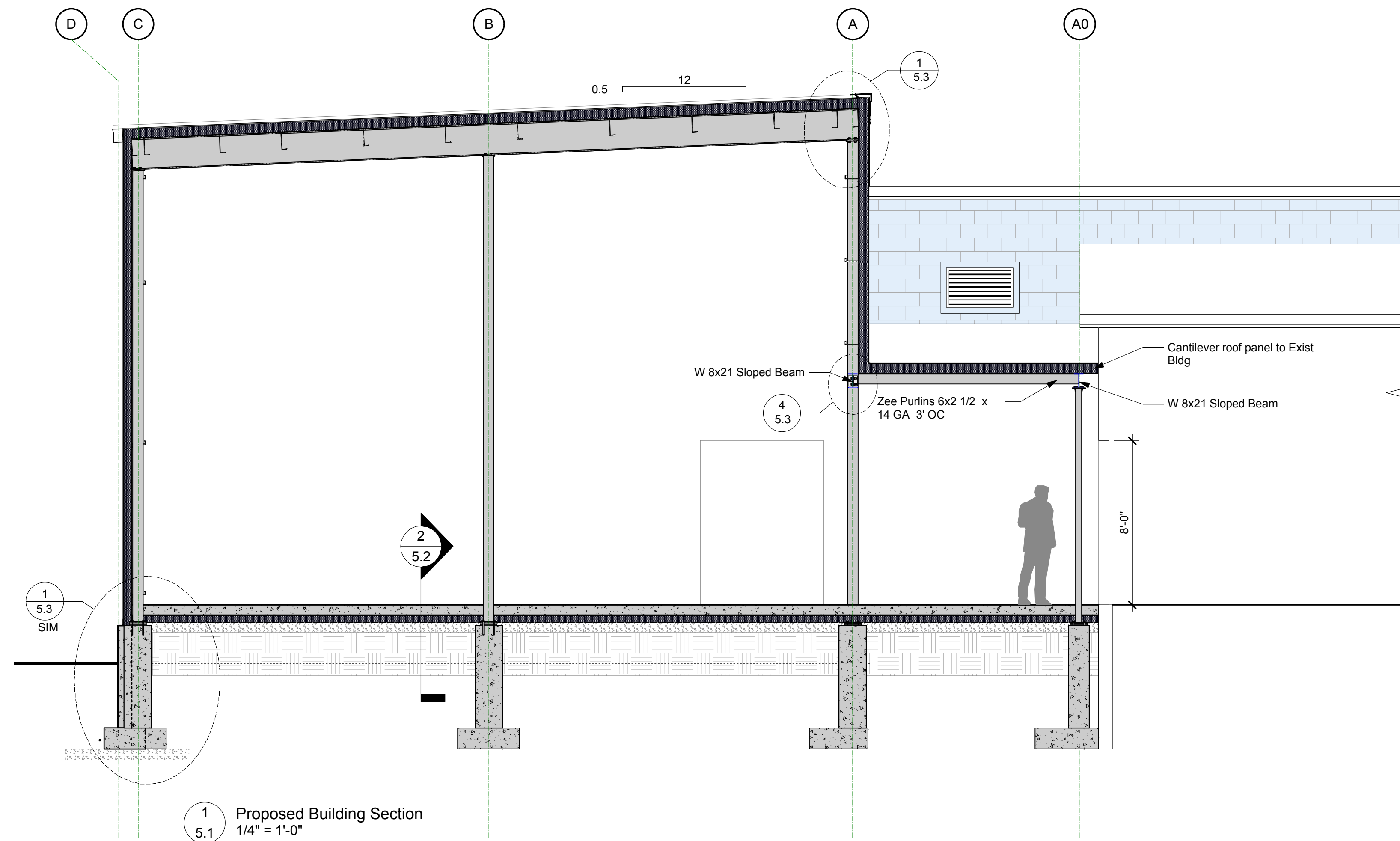
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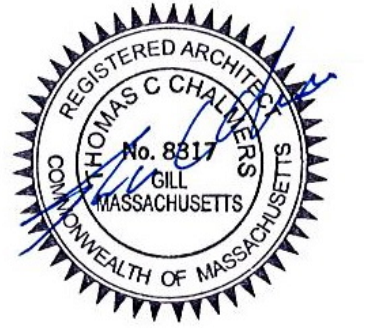
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Title: Building Sections

Scale: 1/4" = 1'-0"

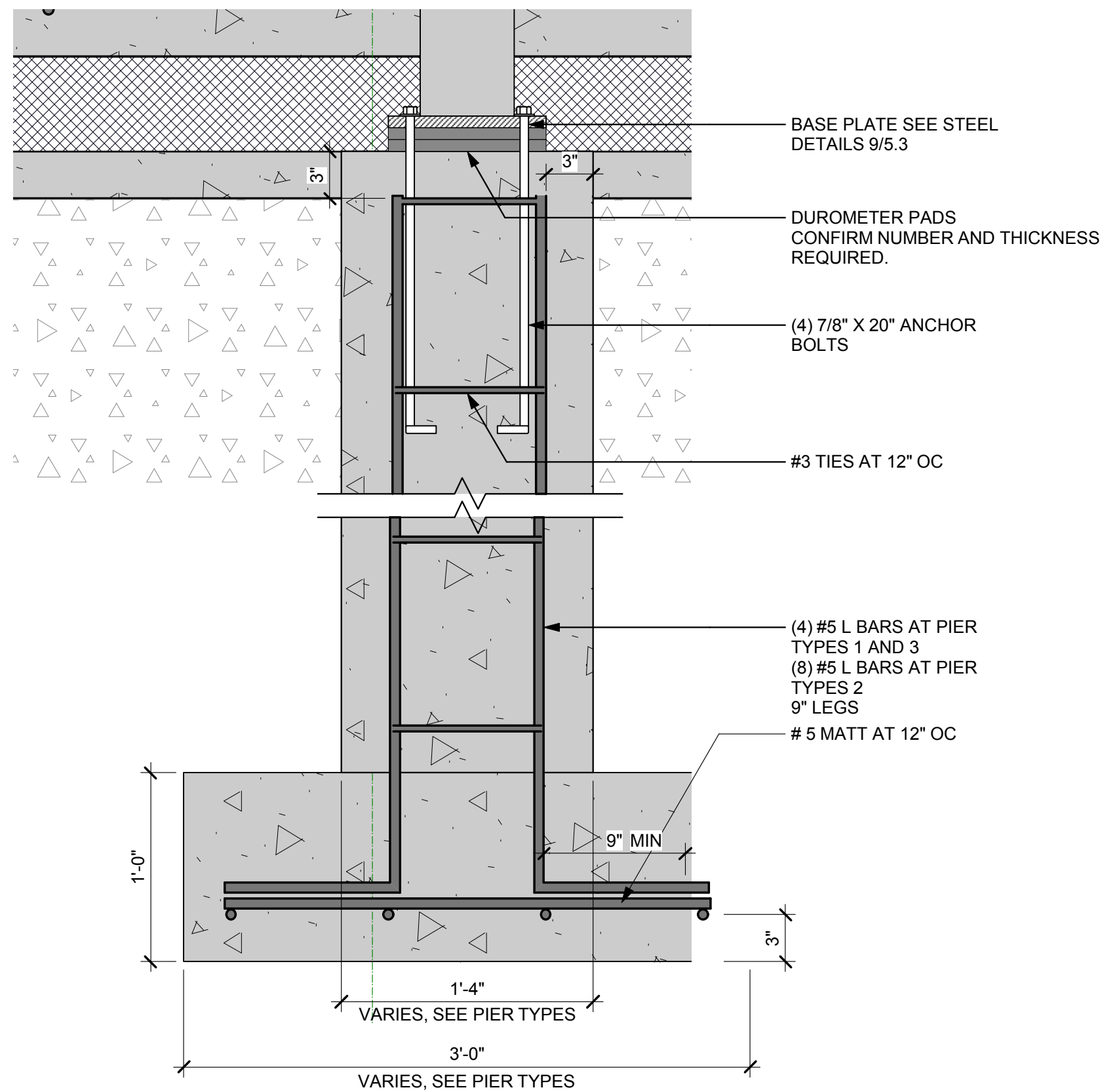
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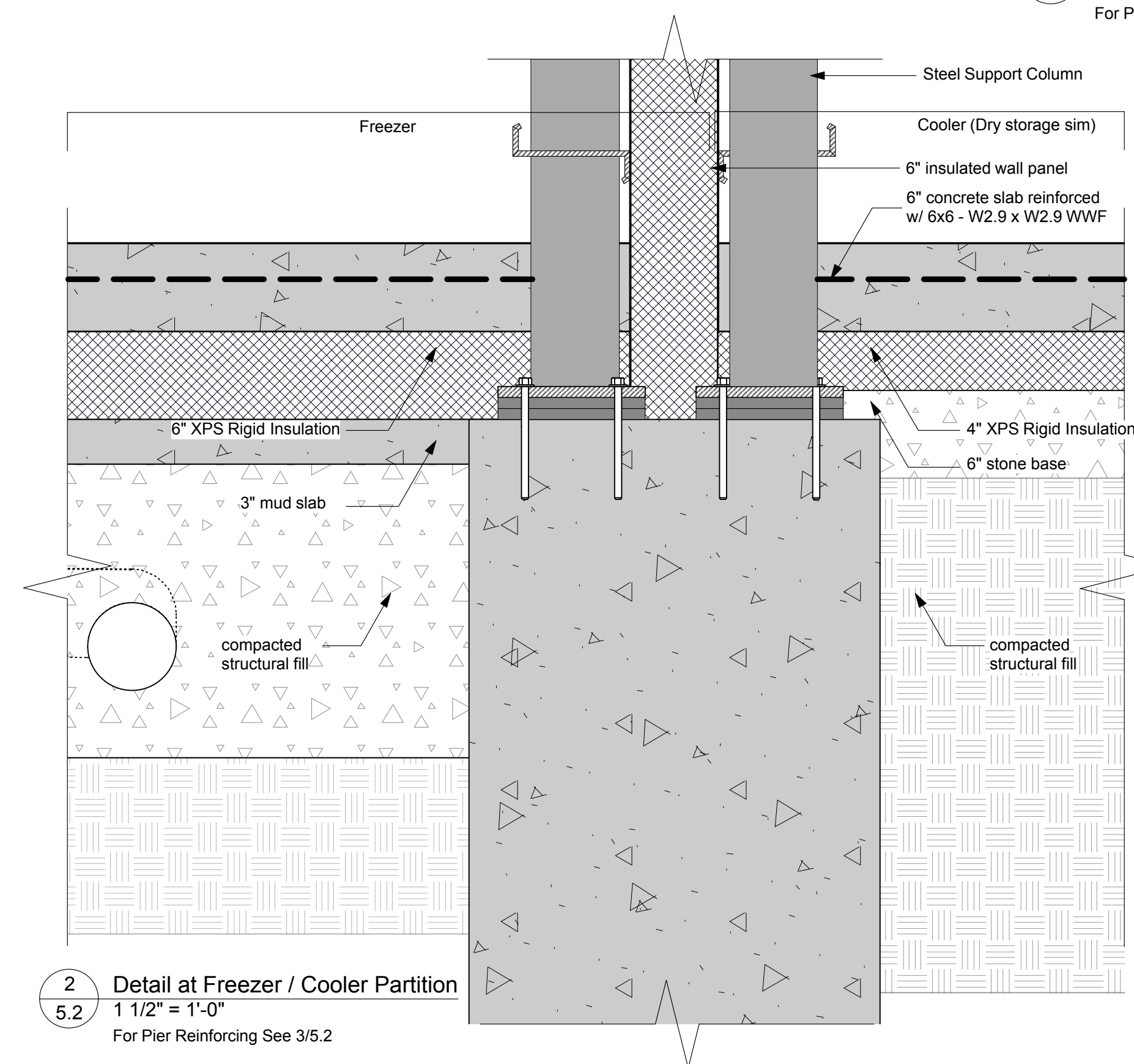
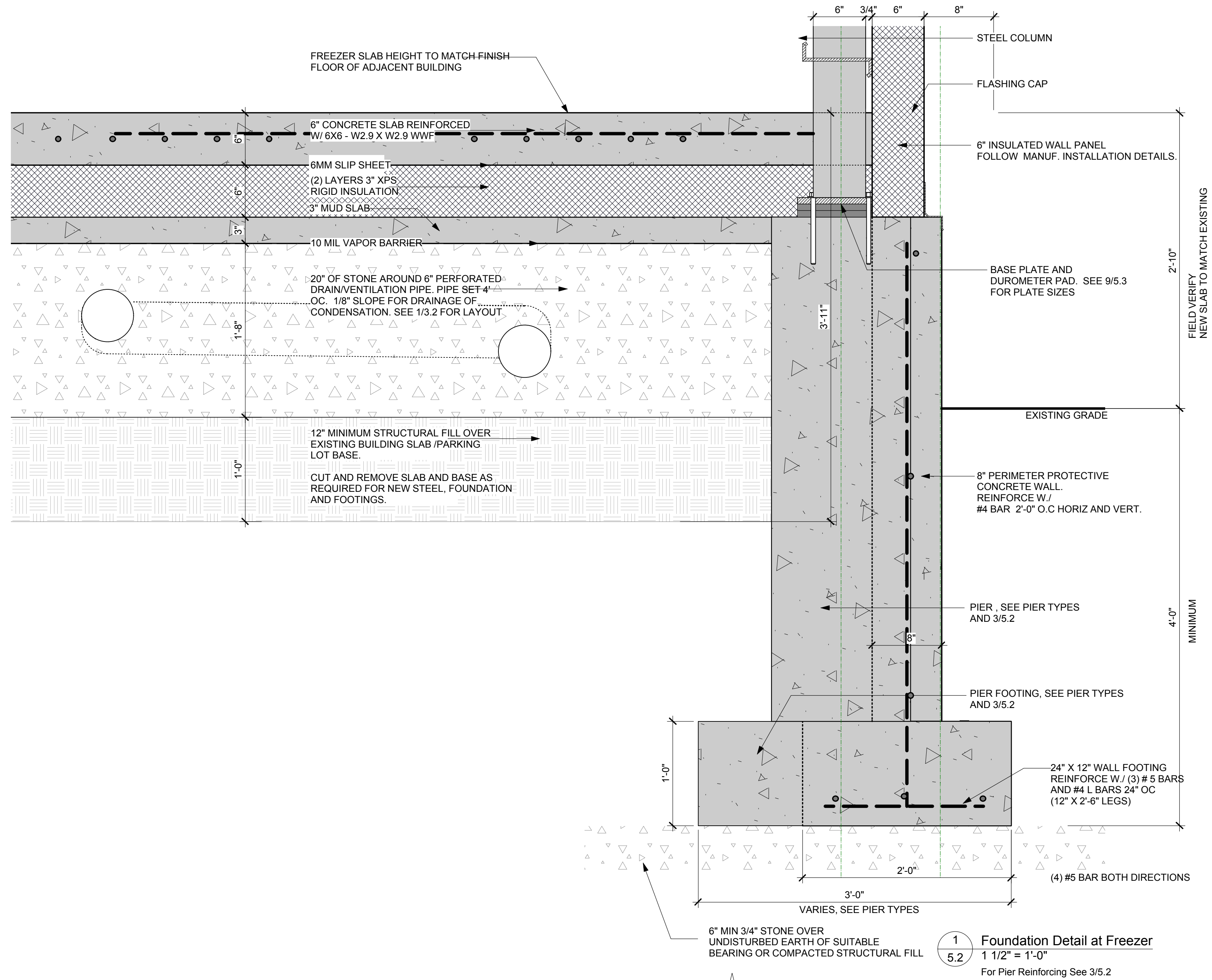
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3 TYPICAL PIER REINFORCING
5.2 1 1/2" = 1'-0"



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**Franklin County
Community
Development
Corporation (FCCDC)**

Freezer Addition

324 Wells Street
Greenfield, MA 01301

2015-05-27 FCCDC - DD.pdf

**Wall Section &
Foundation Details**

Title: AS Noted

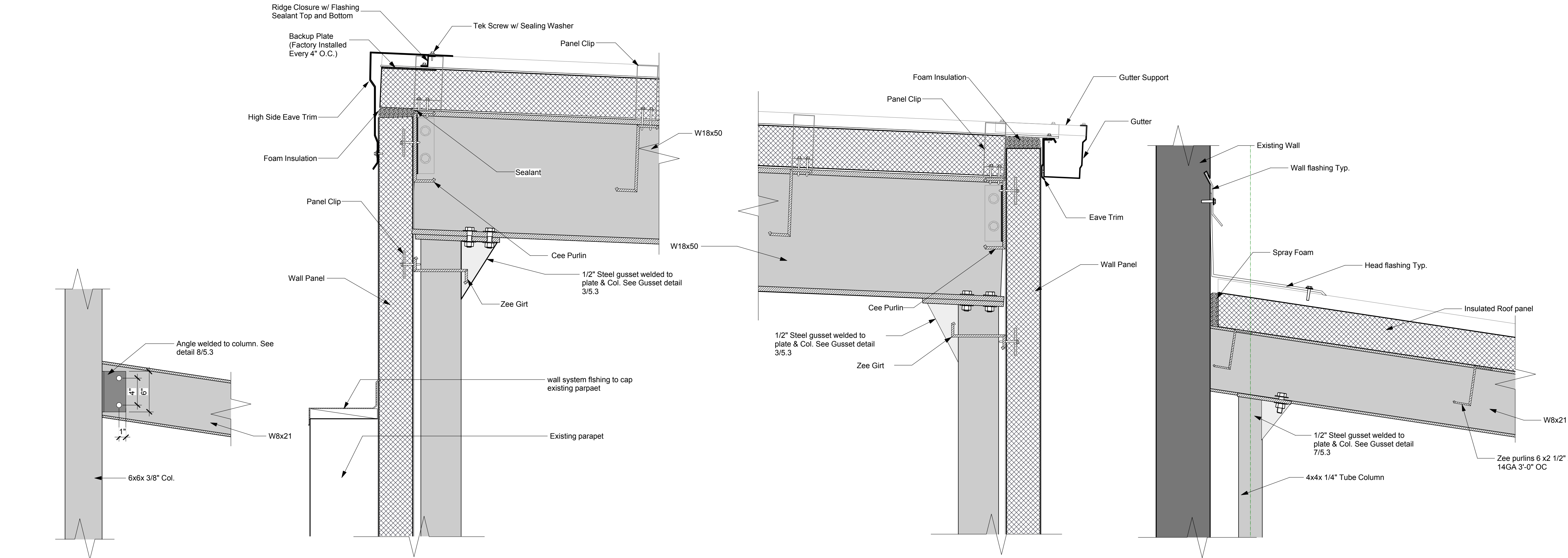
Scale: 01-September-2015

Date: Rev. 04-April-2016

Rev. 20-October-2016

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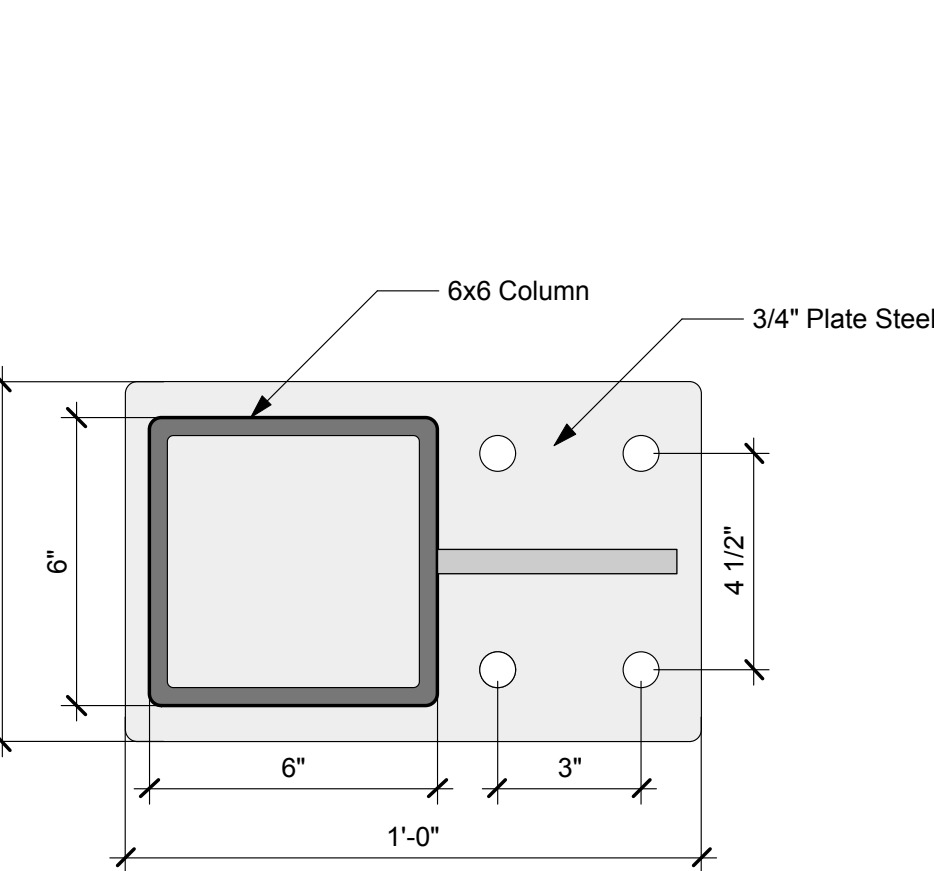


4 Beam at Dry Goods Conector
Scale: 1 1/2" = 1'-0"

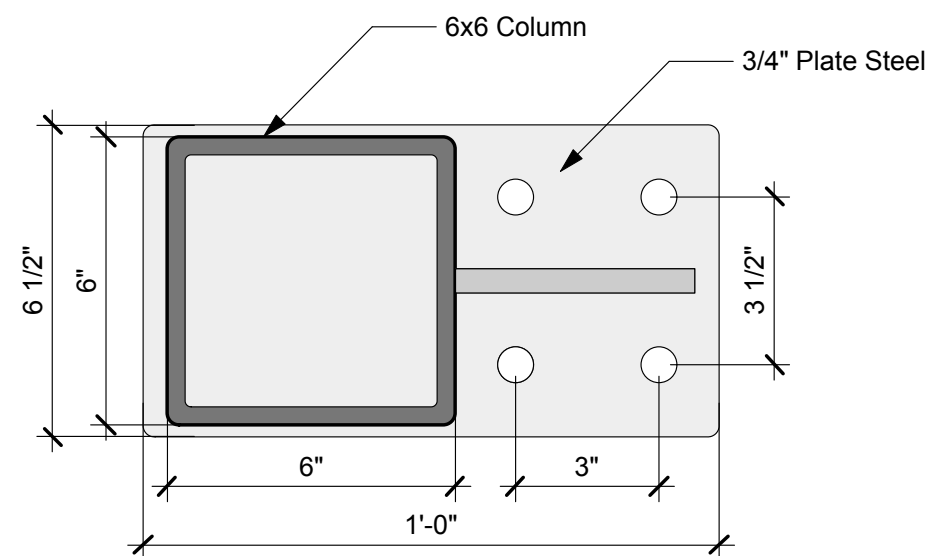
1 High Side Eave Detail
1 1/2" = 1'-0"

2 Eave Detail at Cooler, Dry Storage
1 1/2" = 1'-0"

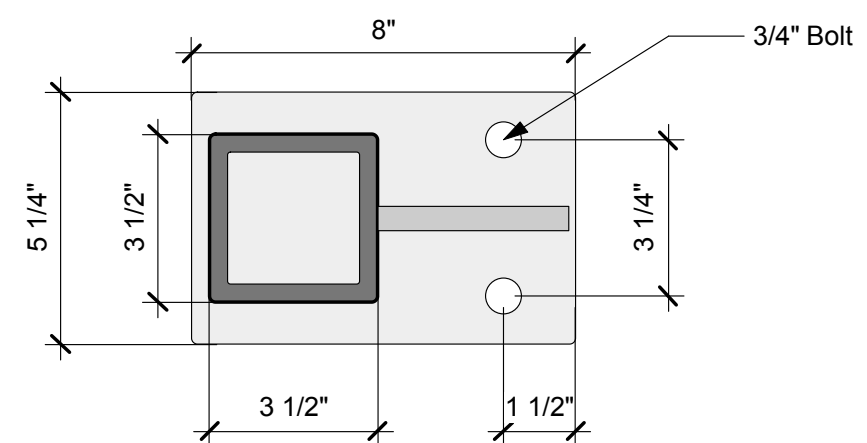
3 High Side Column Detail at Conector
1 1/2" = 1'-0"



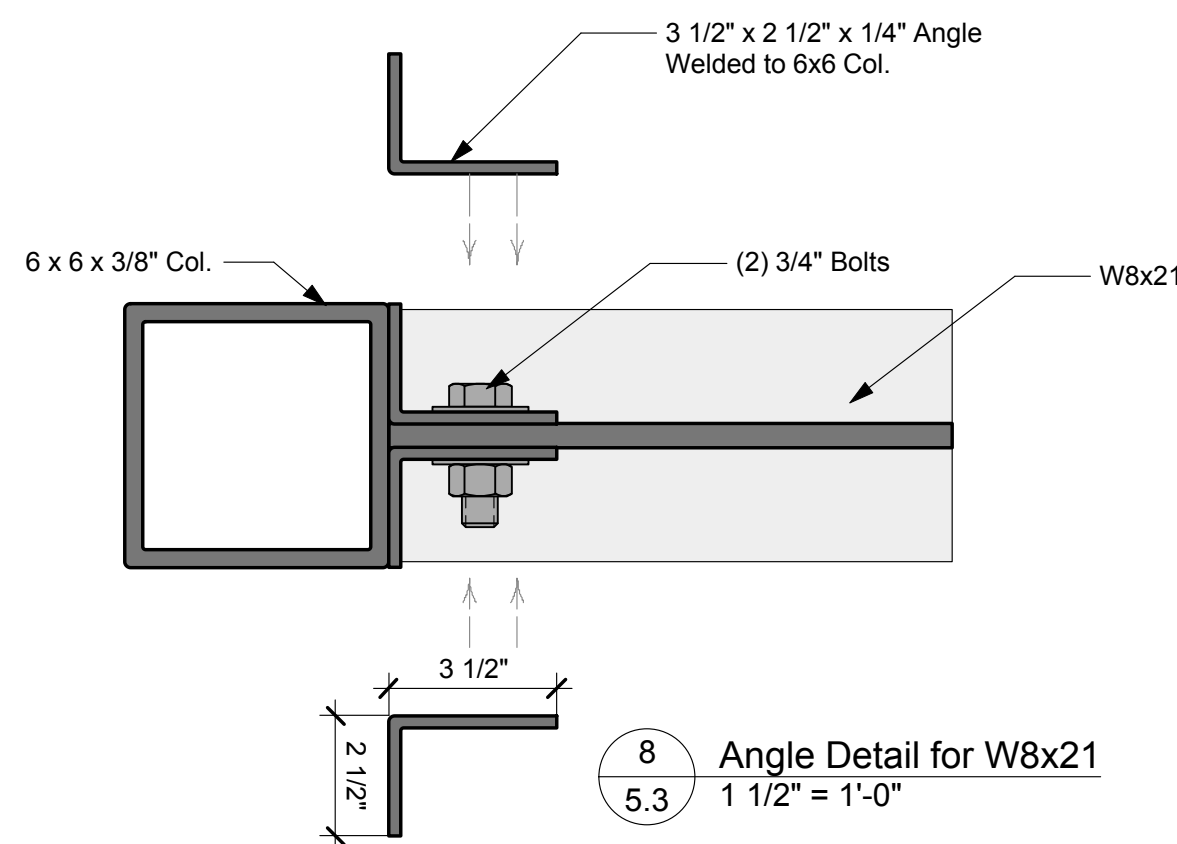
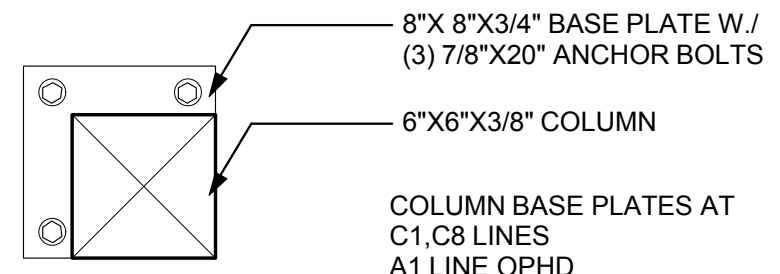
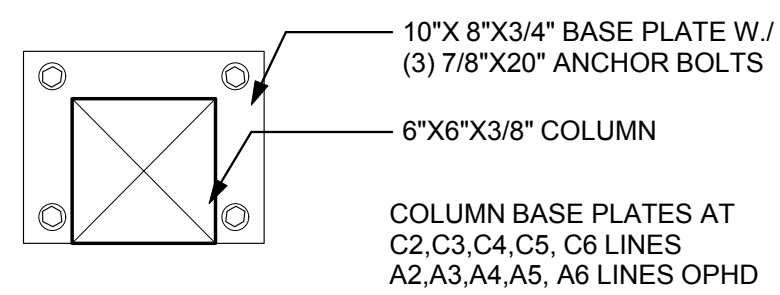
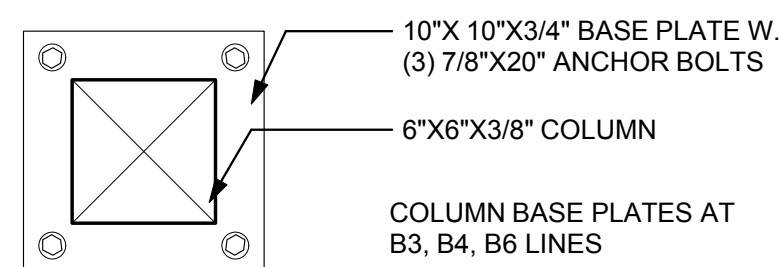
5 Gusset Detail for W18x50
Scale: 3" = 1'-0"



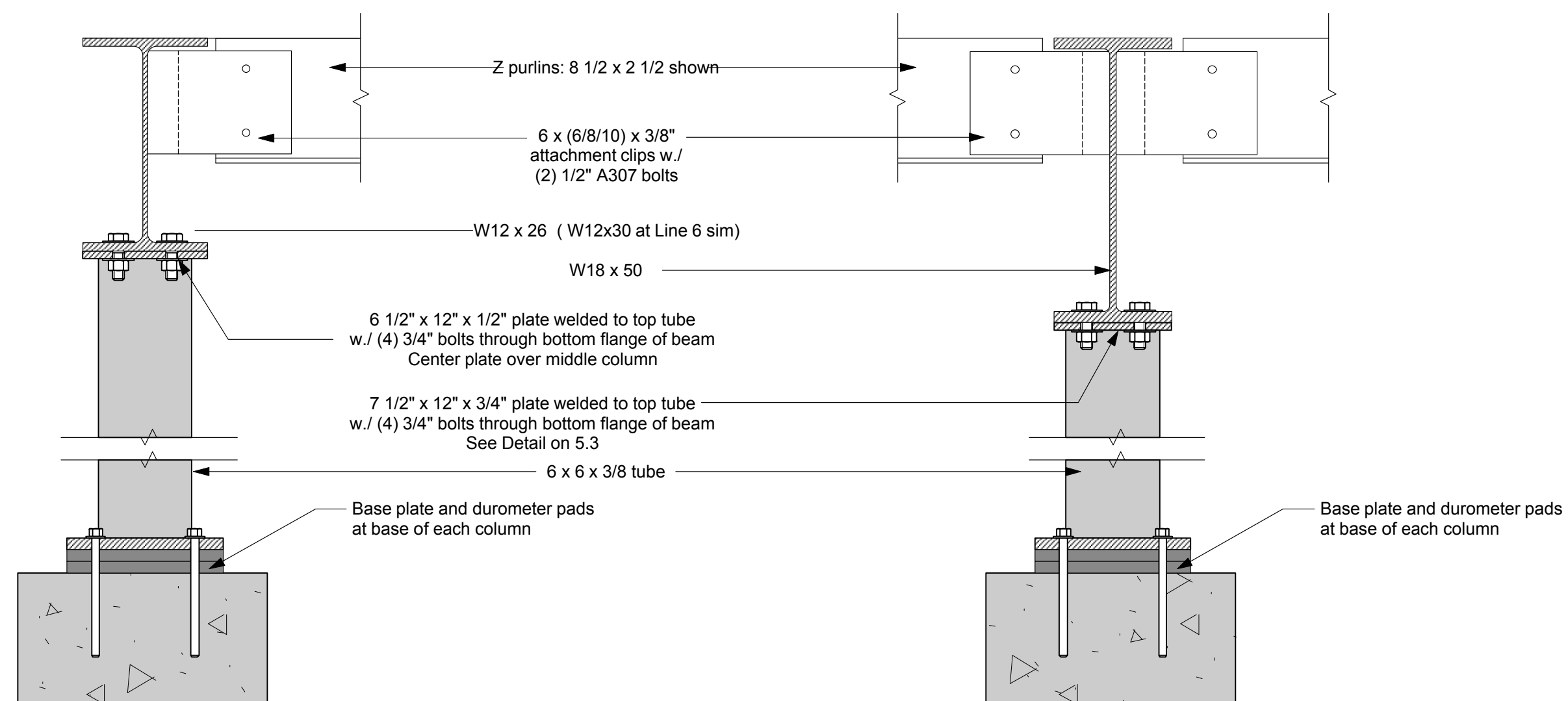
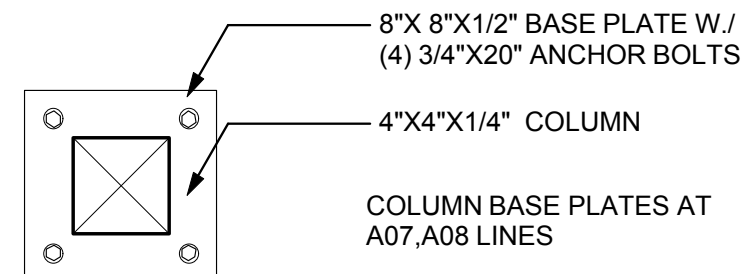
6 Gusset Detail for W12x26
Scale: 3" = 1'-0"



7 Gusset Detail for W8x21
3" = 1'-0"



8 Angle Detail for W8x21
1 1/2" = 1'-0"



9 Steel Details
1 1/2" = 1'-0"



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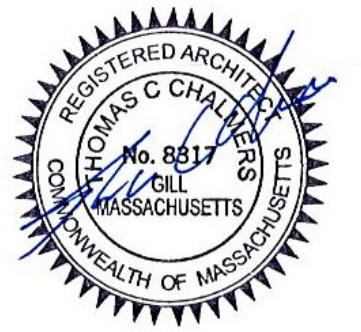
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Title: **Wall Section &
Eave Details**

Scale: **AS Noted**

Date: **01-September-2015**

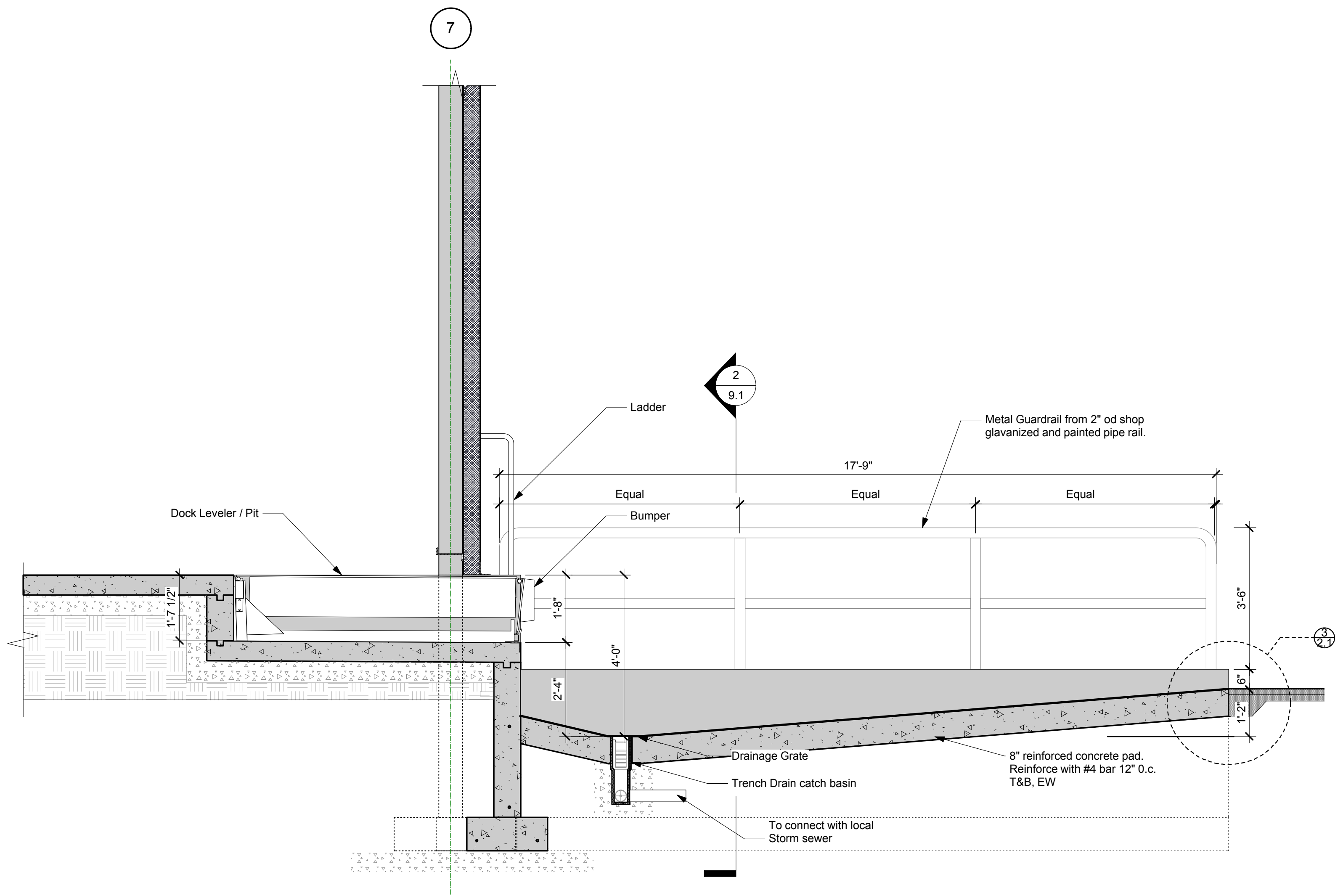
Rev. **04-April-2016**

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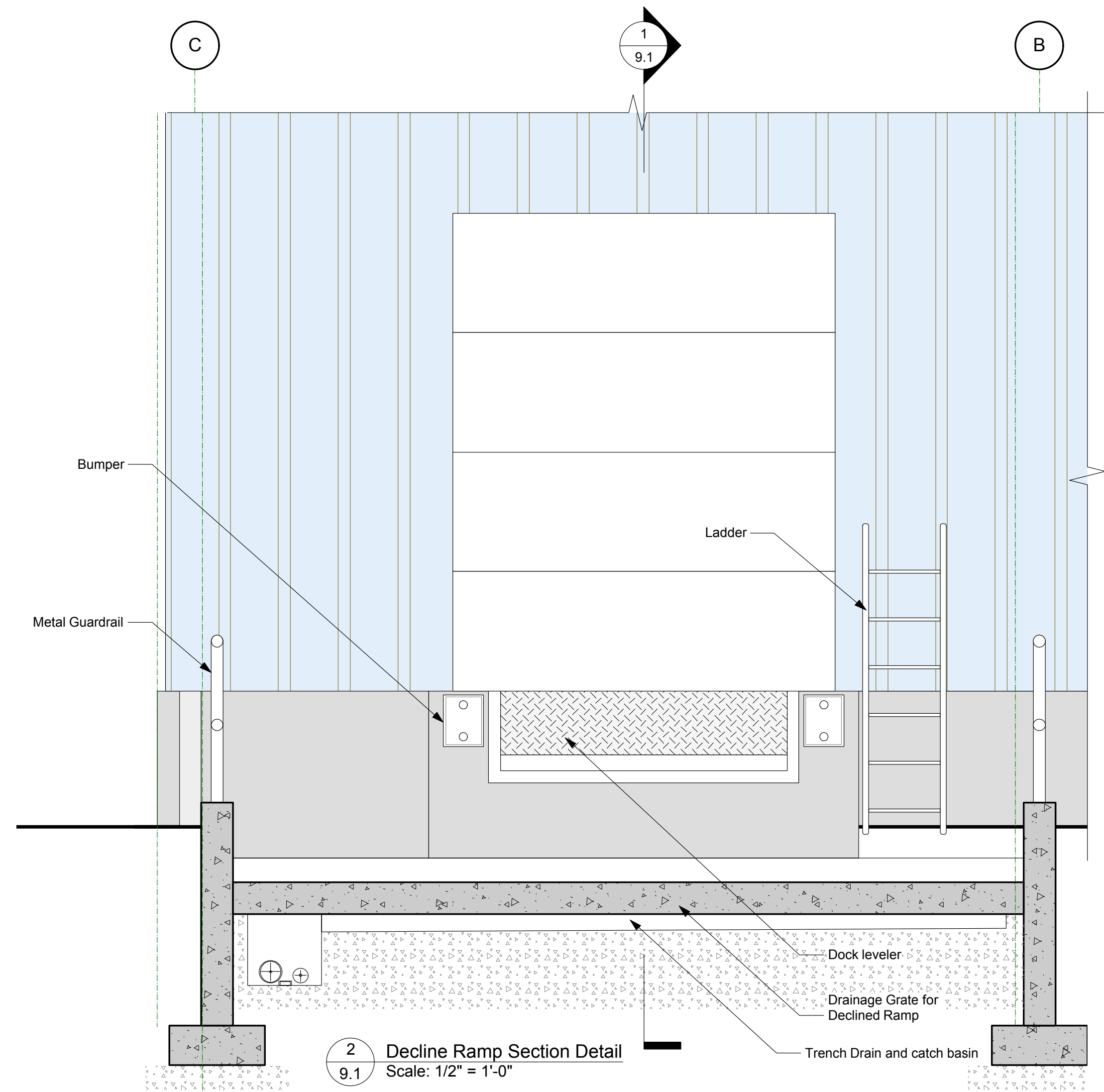
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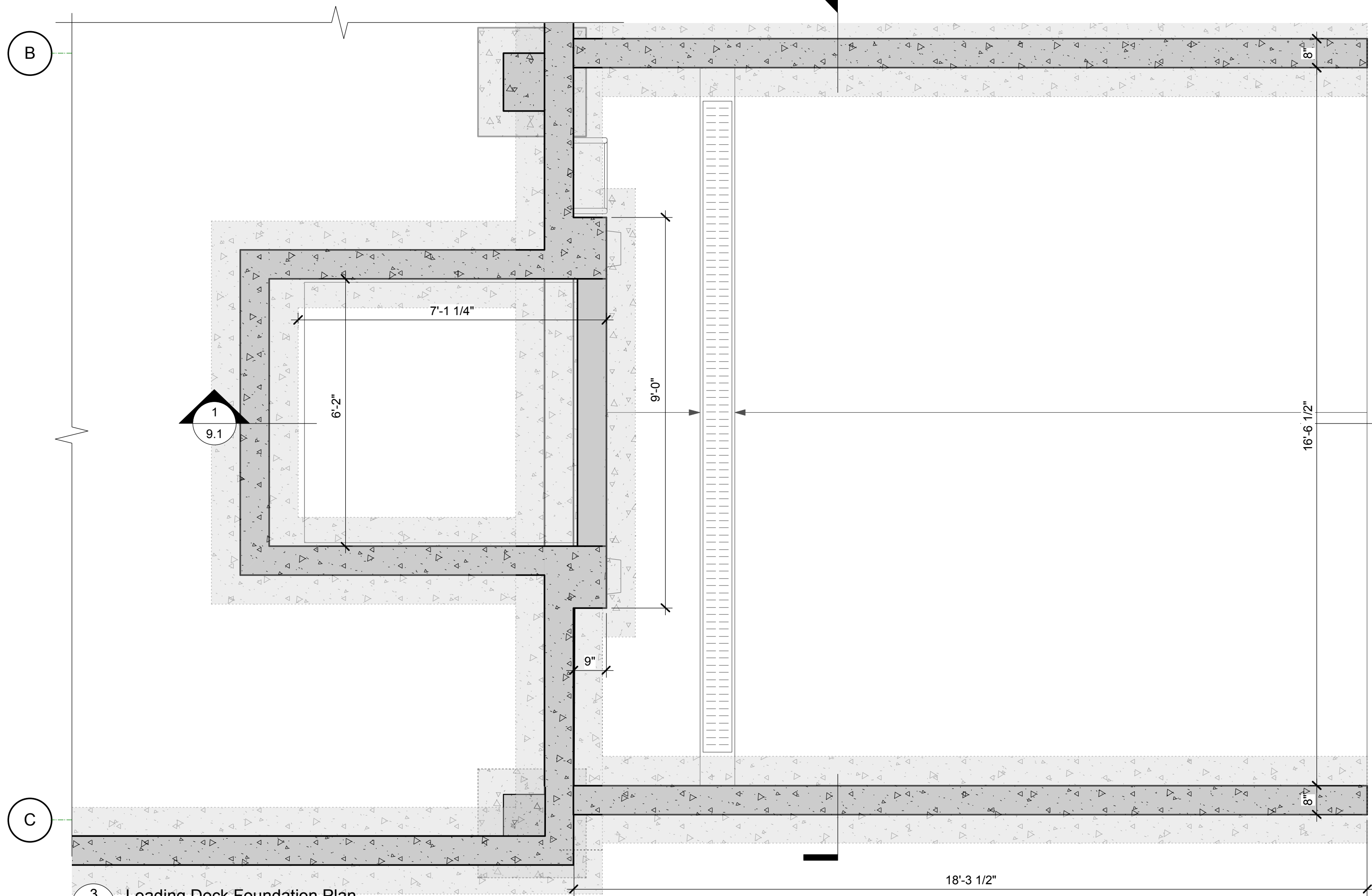
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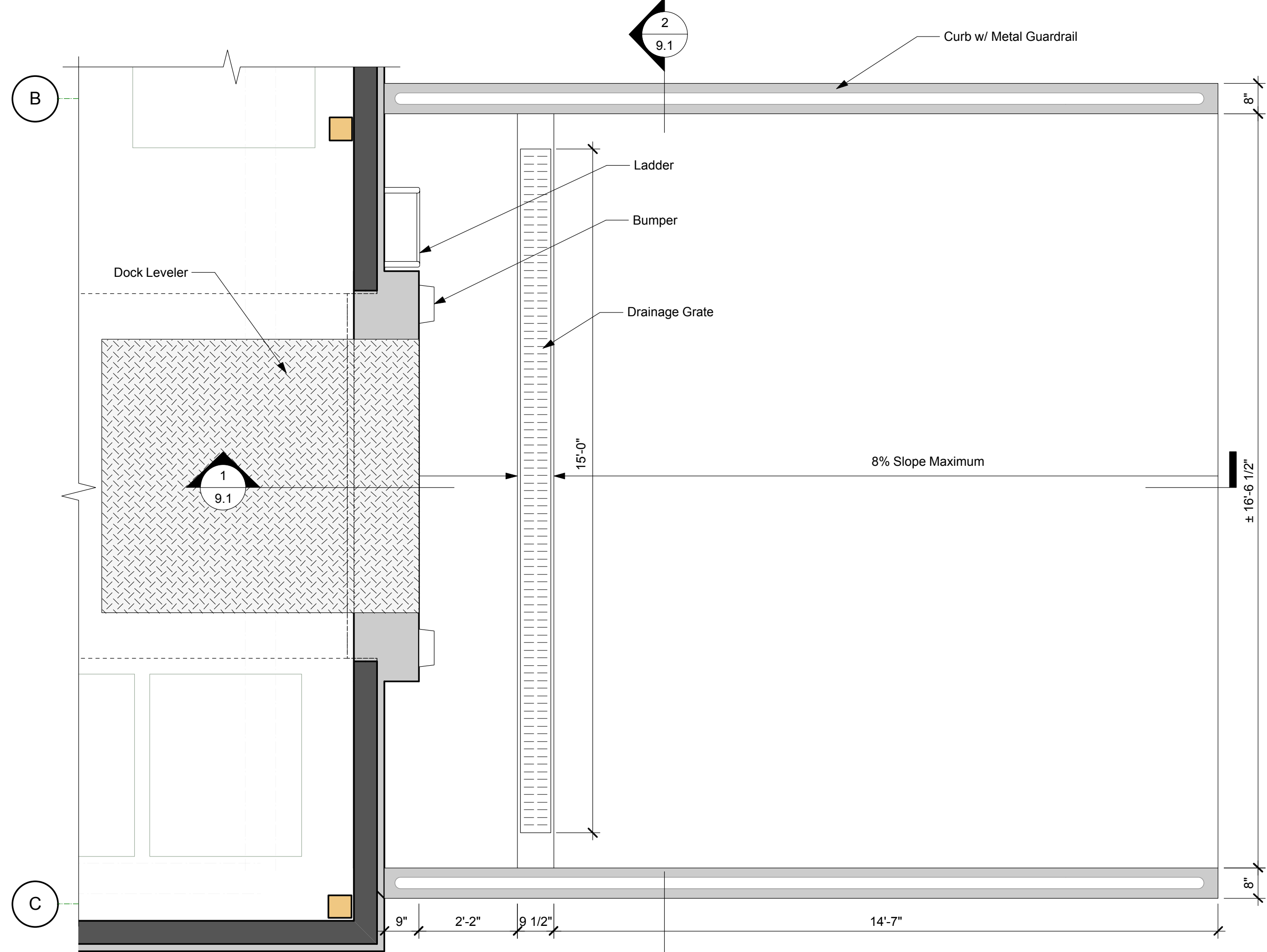
1 Loading Dock Section Detail
Scale: 1/2" = 1'-0"



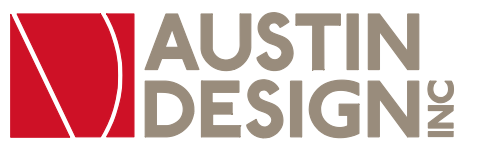
2 Decline Ramp Section Detail
Scale: 1/2" = 1'-0"



3 Loading Dock Foundation Plan
Scale: 1/2" = 1'-0"



4 Loading Dock Plan
Scale: 1/2" = 1'-0"



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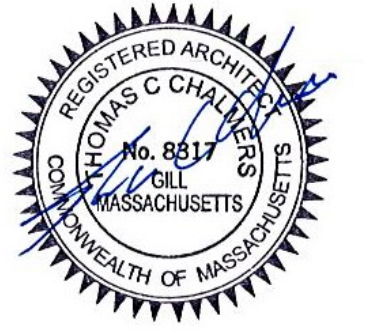
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Freezer Addition

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Title: Loading Dock Details

Scale: 1/4" = 1'-0"

Date: 01-September-2015

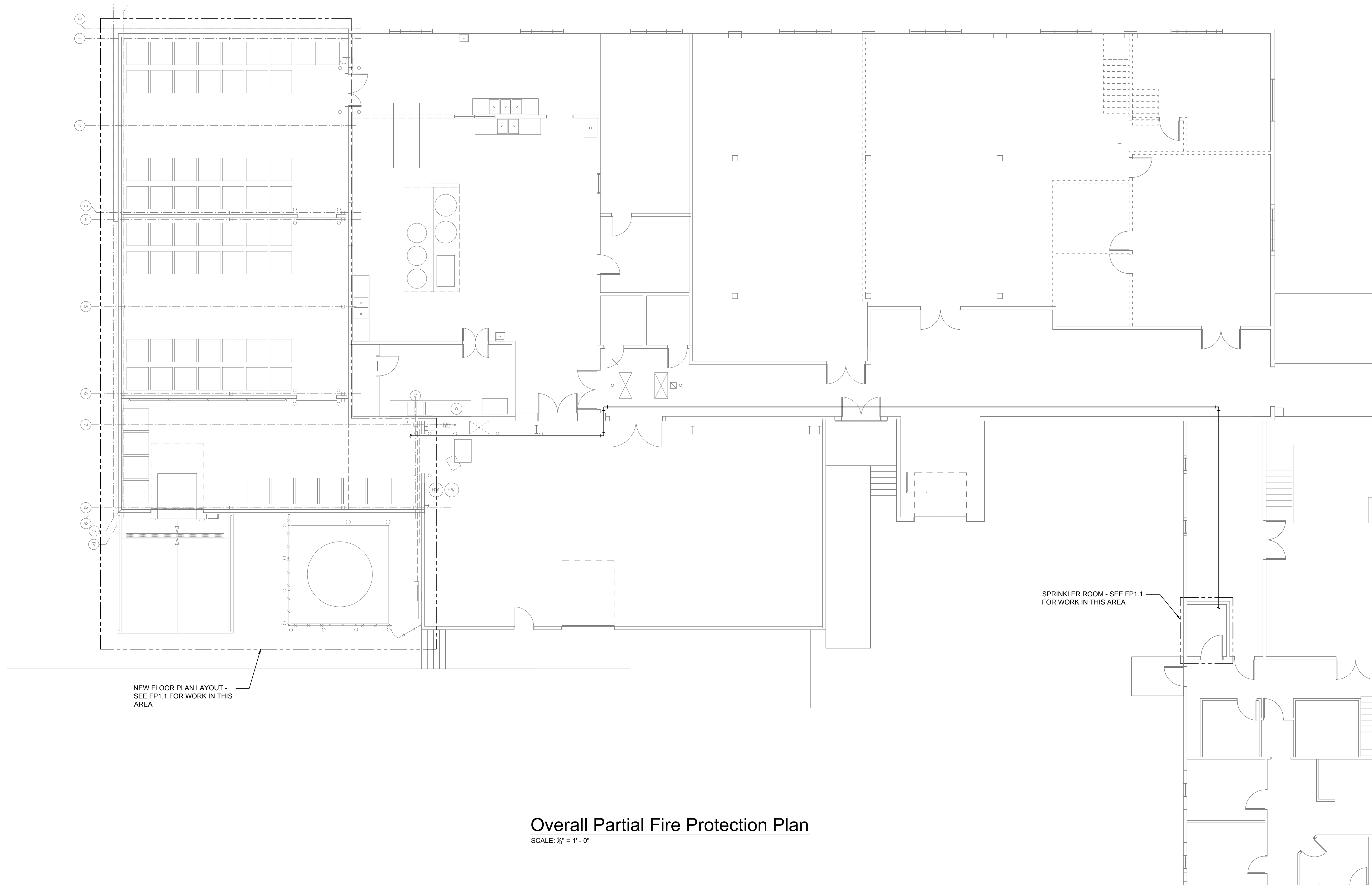
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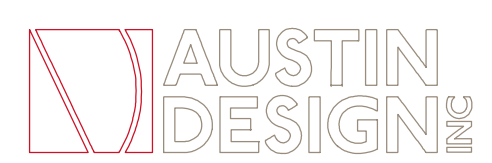
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NEW FLOOR PLAN LAYOUT -
SEE FP1.1 FOR WORK IN THIS
AREA

SPRINKLER ROOM - SEE FP1.1
FOR WORK IN THIS AREA

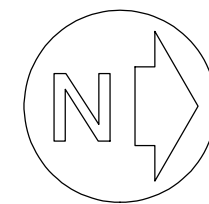
Overall Partial Fire Protection Plan
SCALE: 1/8" = 1' - 0"



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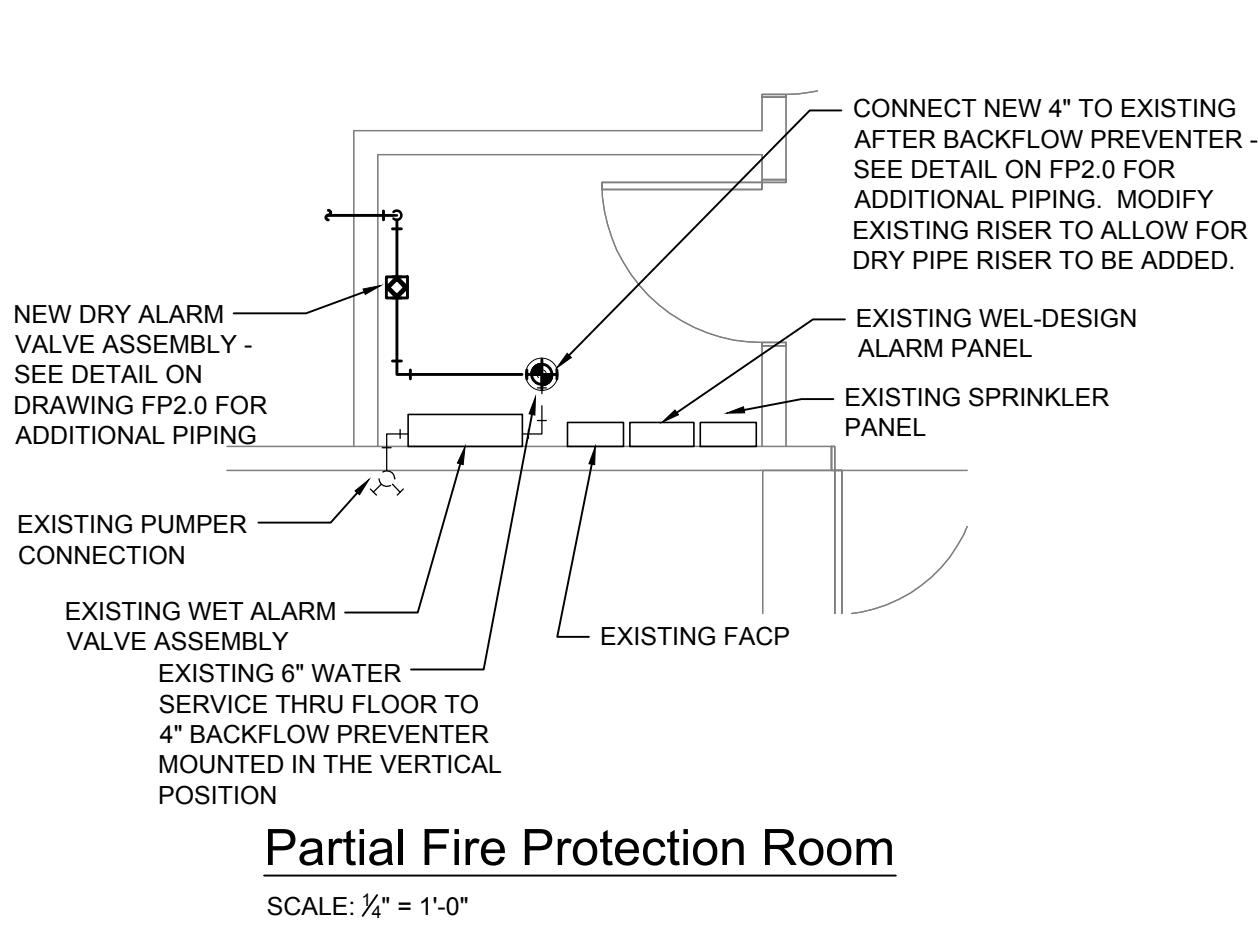
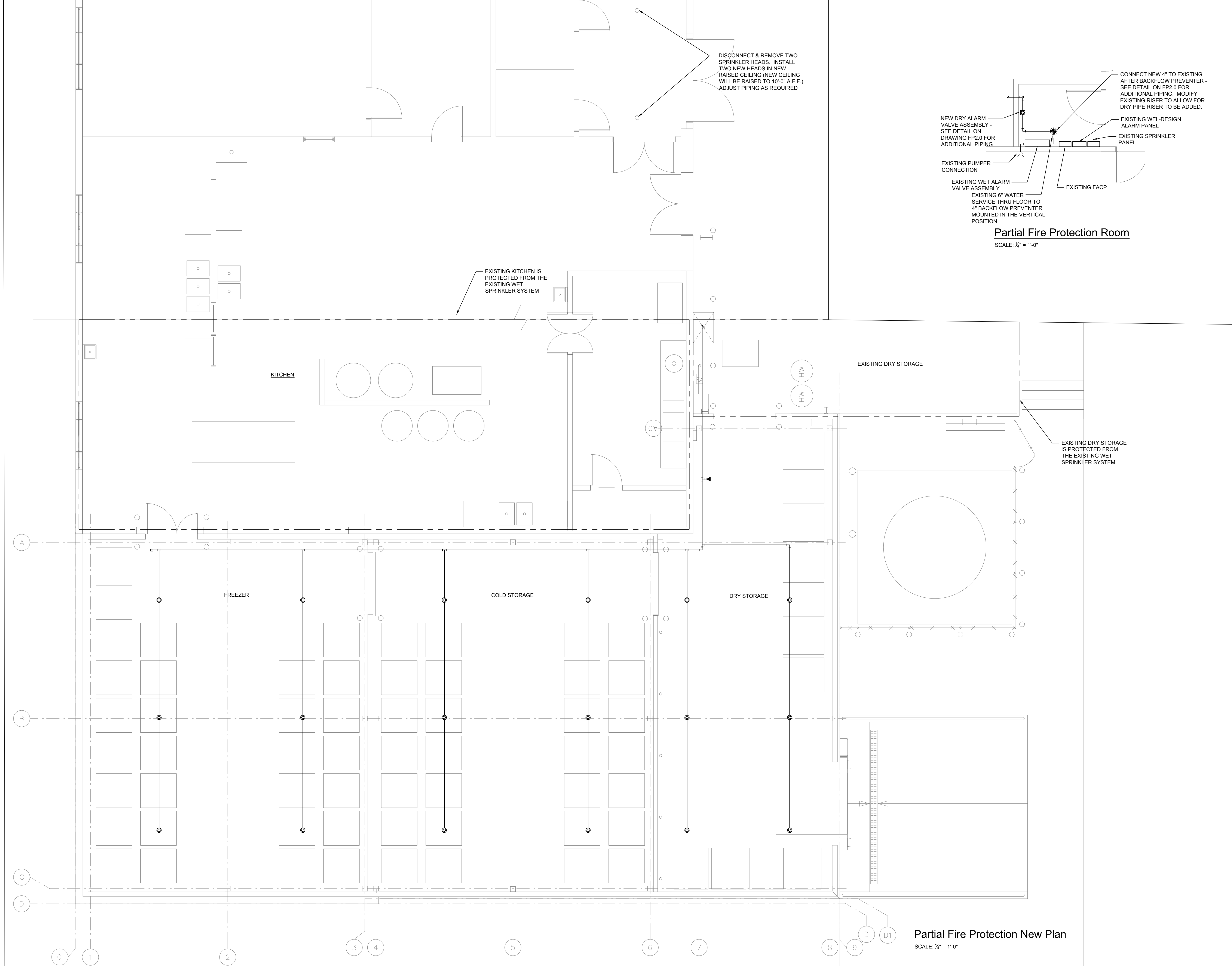
Title: FP Demolition Plan

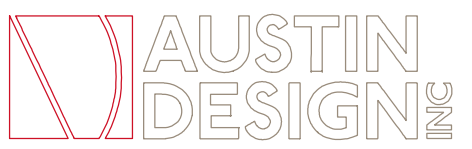
Scale: 1/8" = 1'-0"

Date: 09-01-2015

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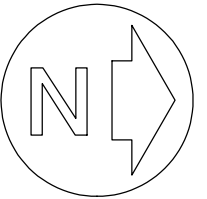
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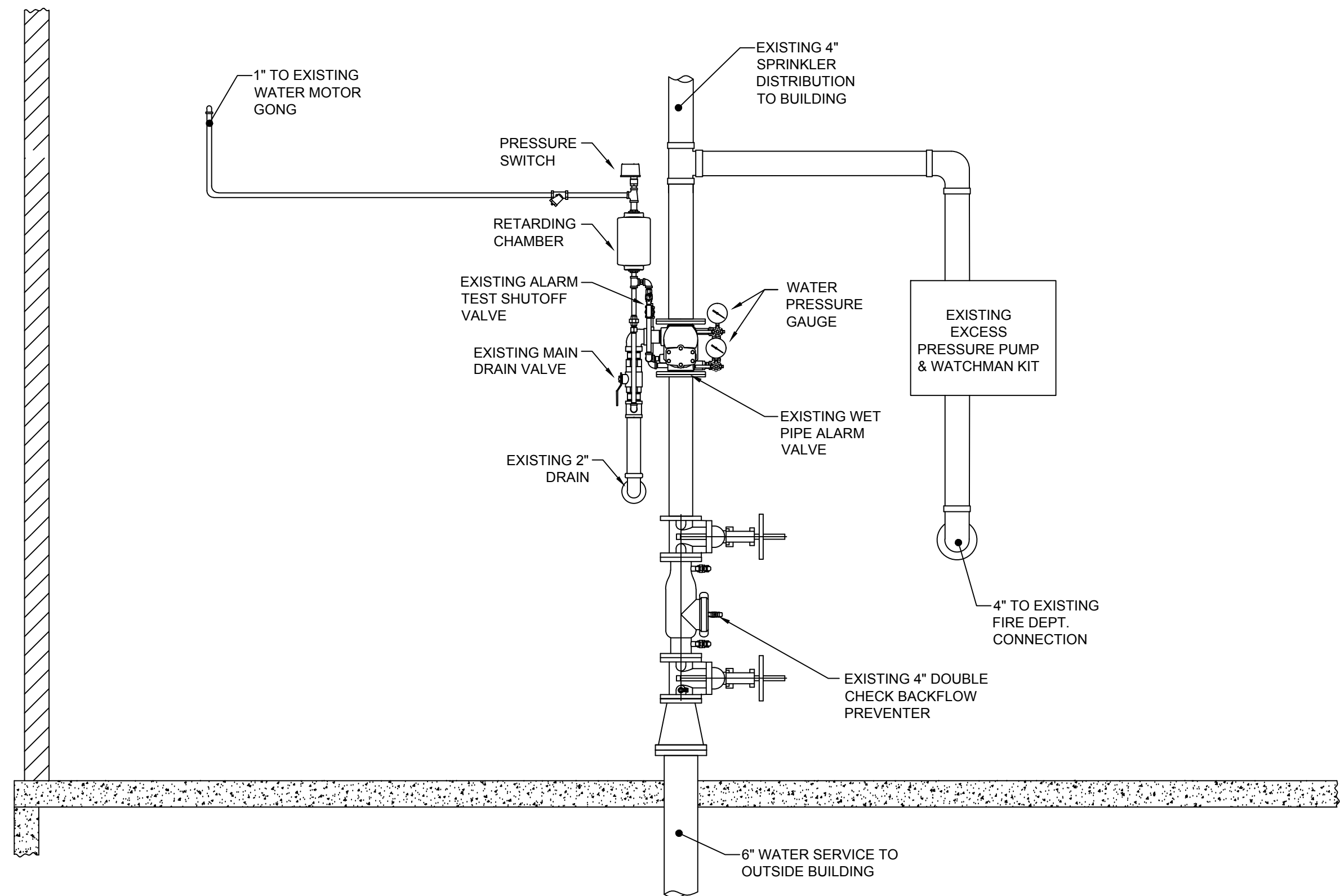
Title: FP New Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

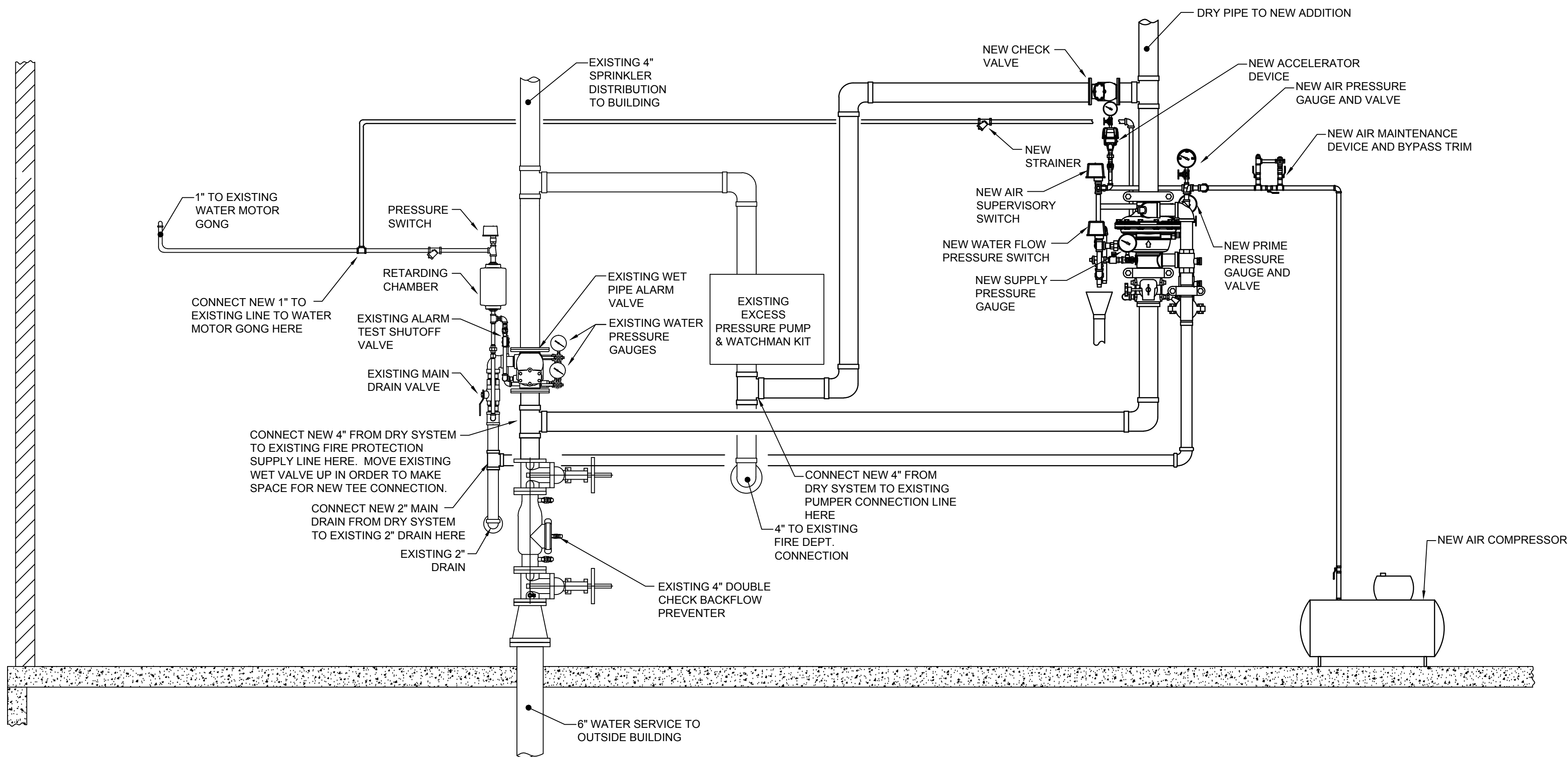
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SCHEMATIC DETAIL OF EXISTING WET PIPE SPRINKLER ENTRANCE

NOT TO SCALE



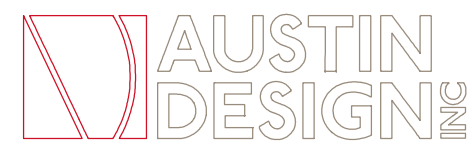
SCHEMATIC DETAIL OF COMBINED WET AND DRY PIPE SPRINKLER ENTRANCE

NOT TO SCALE

FIRE PROTECTION LEGEND			
---	EXISTING SPRINKLER PIPE		ATTIC SPRINKLER HEAD
	EXISTING SPRINKLER PIPE TO BE REMOVED		BACKFLOW PREVENTER ASSEMBLY
---	SPRINKLER PIPE		VALVE WITH FLOW SWITCH
---O---	EXISTING UPRIGHT HEAD		VALVE WITH TAMPER SWITCH
---●---	EXISTING PENDANT HEAD		FIRE PROTECTION SYSTEM RISER
---△---	EXISTING SIDEWALL HEAD		FIRE DEPARTMENT CONNECTION
---+---	CONNECT TO EXISTING		LOW POINT DRAIN
---●---	UPRIGHT HEAD		POST INDICATOR VALVE
---●---	PENDANT HEAD	---	PIPE DOWN
---▲---	SIDEWALL HEAD	---	PIPE UP
---●---	CONCEALED PENDANT HEAD	---	SPRINKLER PIPE RISE

GENERAL FIRE PROTECTION NOTES:

- CONTRACTOR SHALL VISIT SITE AND CAREFULLY EXAMINE EXISTING CONDITIONS, BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES AFFECTING EXECUTION OF WORK PRIOR TO SUBMISSION OF PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE OF A SITE EXAMINATION. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED FOR ENCOUNTERED DIFFICULTIES WILL NOT BE RECOGNIZED BECAUSE CONDITIONS WERE PRESENT DURING SITE EXAMINATION.
- FIELD VERIFY EXACT LOCATIONS OF PIPING, STRUCTURAL AND ELECTRICAL ITEMS FOR COORDINATION OF WORK. SUBMIT COORDINATION DRAWINGS PER SPECIFICATIONS.
- CONTRACTOR TO DETERMINE PIPE SIZES BY HYDRAULIC CALCULATIONS BASED ON PIPING SHOP DRAWINGS. INCLUDE HOSE STREAM ALLOWANCE IN HYDRAULIC CALCULATIONS. PROVIDE SUBMITTALS ON PIPING SHOP DRAWINGS AND HYDRAULIC CALCULATIONS IN CONTRACT PRICE. INCLUDE WITH SUBMITTALS, SIGNED AND DATED PE SAMPED PIPING SHOP DRAWINGS AND HYDRAULIC CALCULATIONS. PROFESSIONAL ENGINEER MUST BE LICENSED IN STATE. CONTRACTOR SHALL PERFORM A WATER FLOW TEST.
- SUBMIT COPY OF PE STAMPED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO OWNERS INSURANCE CARRIER FOR APPROVAL PRIOR TO START OF WORK.
- TAMPER AND FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE EXPANSION JOINT ON STRAIGHT RUNS OF FIRE PROTECTION PIPE OR AT BUILDING EXPANSION JOINTS PER NFPA AND PER THE AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- PROVIDE ACCESS DOORS FOR VALVES LOCATED IN NON ACCESSIBLE SPACES, INCLUDING INACCESSIBLE CEILINGS. ACCESS DOORS SHALL MATCH SURROUNDINGS (COLOR BY ARCHITECT) AND SHALL HAVE FIRE RATING TO MATCH WALL OR CEILING SERVING.
- PROVIDE AUXILIARY DRAINS ON ISOLATED TRAPPED PIPING SECTION AS PER NFPA-13.
- PROVIDE NON-COMBUSTABLE SHIELD TO PROTECT ELECTRICAL EQUIPMENT FROM WATER DISCHARGE.
- SEISMICALLY BRACE AND SUPPORT PIPING.
- FIRE PROTECTION PIPING SHALL NOT RUN ABOVE ELECTRICAL SERVICE CLEARANCE AREAS AND ELECTRICAL ROOMS.
- STORAGE ROOM LOCATIONS
-PAINT 1" THICK LINE LOCATED 8'-0" ABOVE FINISHED FLOOR
-PAINT STENCILED NOTE "NO STORAGE ABOVE RED LINE PER CODE" LOCATE BETWEEN CEILING AND 8'-0" PAINTED LINE (LETTERS TO BE NO LESS THAN 4" HIGH AND 1" THICK)



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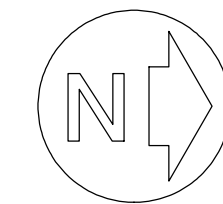
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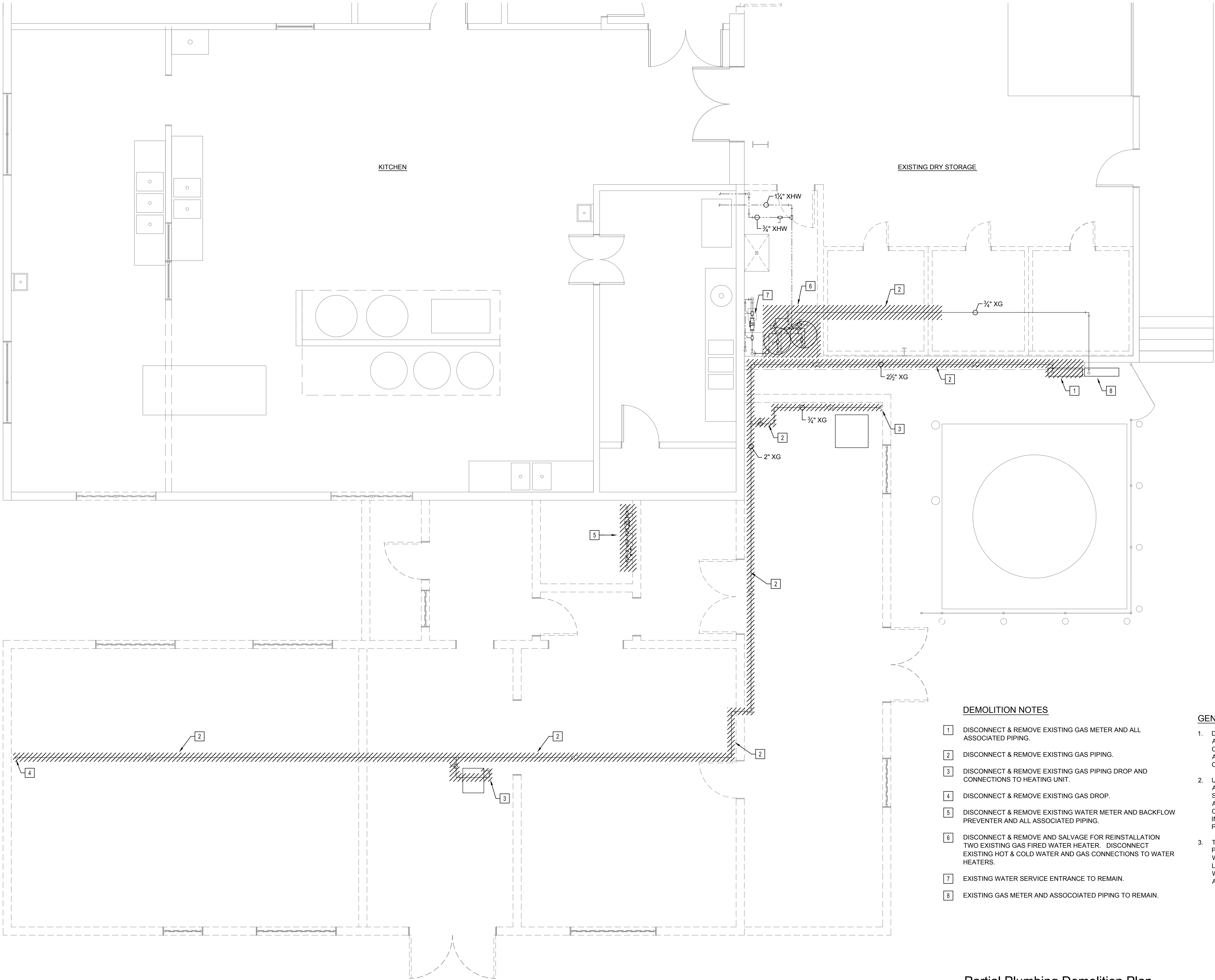
Title: Fire Protection Details

Scale: As Noted

Date: 09-01-2015

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DEMOLITION NOTES

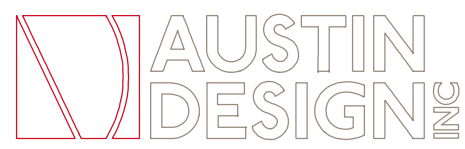
- 1 DISCONNECT & REMOVE EXISTING GAS METER AND ALL ASSOCIATED PIPING.
- 2 DISCONNECT & REMOVE EXISTING GAS PIPING.
- 3 DISCONNECT & REMOVE EXISTING GAS PIPING DROP AND CONNECTIONS TO HEATING UNIT.
- 4 DISCONNECT & REMOVE EXISTING GAS DROP.
- 5 DISCONNECT & REMOVE EXISTING WATER METER AND BACKFLOW PREVENTER AND ALL ASSOCIATED PIPING.
- 6 DISCONNECT & REMOVE AND SALVAGE FOR REINSTALLATION TWO EXISTING GAS FIRED WATER HEATER. DISCONNECT EXISTING HOT & COLD WATER AND GAS CONNECTIONS TO WATER HEATERS.
- 7 EXISTING WATER SERVICE ENTRANCE TO REMAIN.
- 8 EXISTING GAS METER AND ASSOCIATED PIPING TO REMAIN.

GENERAL NOTES:

1. DRAWINGS AND DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE AND SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES TO PROVIDE FUNCTIONAL AND DIMENSIONAL COMPATIBILITY BETWEEN ALL COMPONENTS.
2. UNLESS SPECIFICALLY OTHERWISE NOTED FOR PATCH TO MATCH ADJACENT EXISTING, ALL EXISTING BUILDING COMPONENTS, SURFACES AND FINISHES DAMAGED, STAINED OR OTHERWISE ALTERED IN THE COURSE OF DEMOLITION, REMOVAL, CONSTRUCTION, RELOCATION, OR ALTERATION WORK PERFORMED IN CONNECTION WITH THIS CONTRACT. PATCH TO MATCH INCLUDES PAINTING.
3. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING PIPING, AND EQUIPMENT MADE OBSOLETE BY AND/OR INTERFERING WITH NEW CONSTRUCTION. THE PLUMBING CONTRACTOR SHALL LEGALLY DISPOSE OF DEMOLITION MATERIALS AND EQUIPMENT NOT WANTED BY THE OWNER. THE PLUMBING CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH DEMOLITION WORK.

Partial Plumbing Demolition Plan

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



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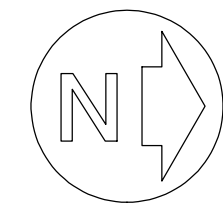
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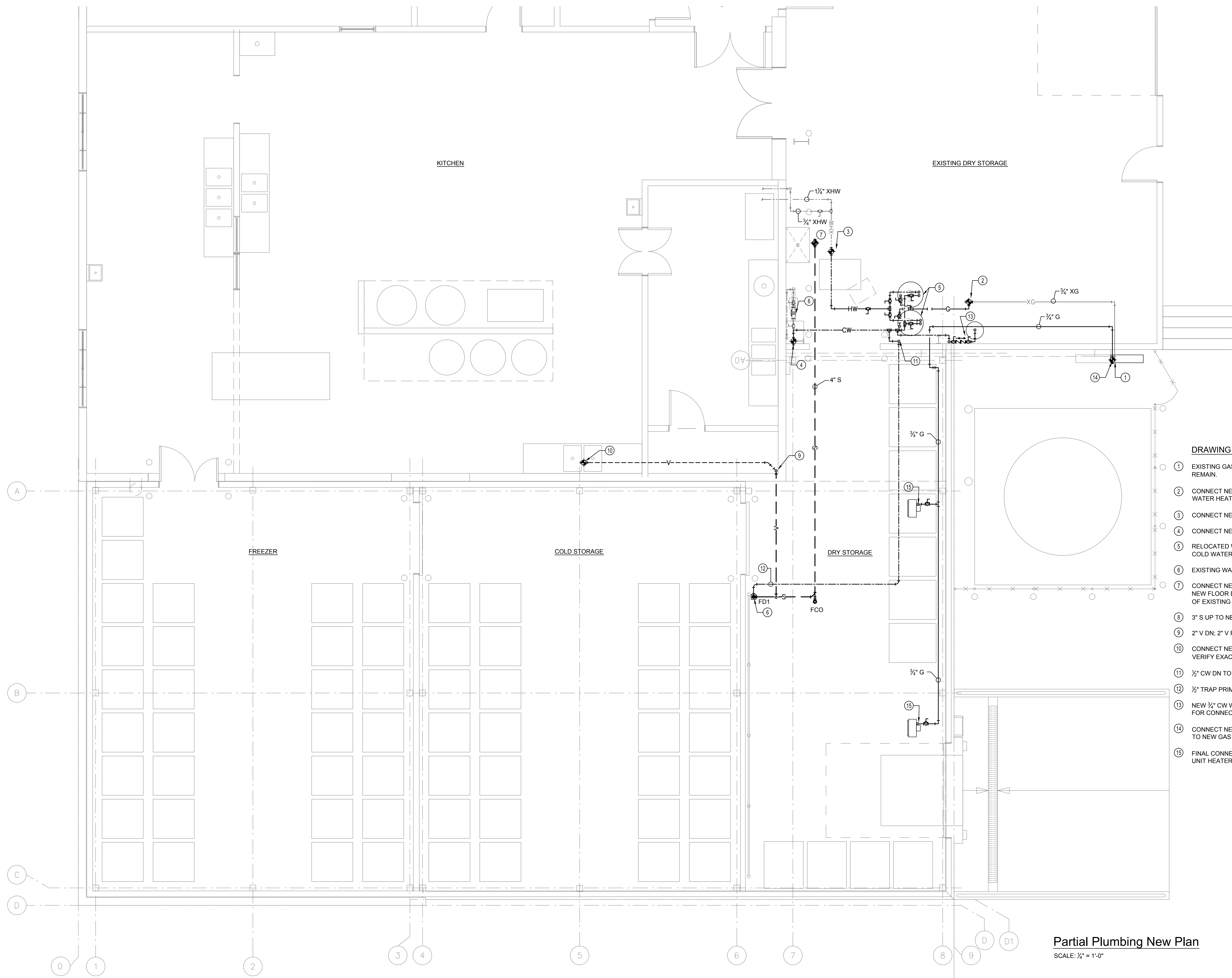
Title: Plumbing Demolition Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

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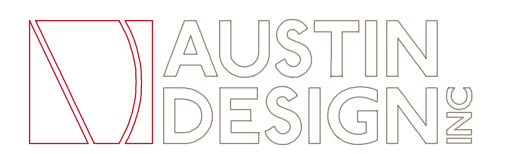
P1.0



DRAWING NOTES

- EXISTING GAS METER AND ASSOCIATED PIPING TO REMAIN.
- CONNECT NEW 3/4" G TO EXISTING HERE AND EXTEND TO WATER HEATERS.
- CONNECT NEW 1 1/2" HW TO EXISTING HERE.
- CONNECT NEW 1 1/2" CW TO EXISTING HERE.
- RELOCATED WATER HEATERS. CONNECT TO NEW HOT & COLD WATER AND GAS.
- EXISTING WATER SERVICE AND METER TO REMAIN.
- CONNECT NEW 4" S TO EXISTING HERE AND EXTEND TO NEW FLOOR DRAIN. VERIFY IN FIELD EXACT LOCATION OF EXISTING UNDERSLAB SANITARY LINE.
- 3" S UP TO NEW FLOOR DRAIN W/ FUNNEL
- 2" V DN; 2" V RISE
- CONNECT NEW 2" V TO EXISTING ABOVE CEILING HERE. VERIFY EXACT LOCATION IN FIELD.
- 1/2" CW DN TO TRAP PRIMER
- 1/2" TRAP PRIMER LINE TO FLOOR DRAIN
- NEW 3/4" CW WITH WATTS LF909 BACKFLOW PREVENTER FOR CONNECTION TO CHEMICAL TANK
- CONNECT NEW 3/4" G AT EXISTING METER AND EXTEND TO NEW GAS FIRED UNIT HEATERS
- FINAL CONNECT NEW 3/2" G TO GAS FIRED UNIT HEATER - UNIT HEATER BY OTHERS

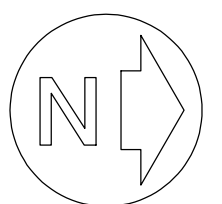
Partial Plumbing New Plan
SCALE: 1/4" = 1'-0"



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Title: **Plumbing New Plan**

Scale: **1/4" = 1'-0"**

Date: **09-01-2015**

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PLUMBING SPECIALTIES SCHEDULE								
FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR								
TAG	FIXTURE TYPE	INLET (IN)	OUTLET (IN)	P-TRAP (IN)	MANUFACTURER	MODEL	DESCRIPTION	NOTES
FD1	FLOOR DRAIN - KITCHEN AREA		3"	3"	JOSAM	30003-6A-Y-50-VP-SS-F4	CAST IRON FLOOR DRAIN BODY WITH ADJUSTABLE STAINLESS STEEL STRAINER,VANDAL PROOF GRATE, HUB OUTLET WITH GASKET, ½" TRAP PRIMER CONNECTION, ADJUSTABLE NIKALOY STRAINER WITH FUNNEL	
FCO	FLOOR CLEANOUT	4"	4"		JOSAM	55004-Y-2-12-22-41	COATED CAST IRON CLEANOUT WITH GASKET SEAL, TAPER THREAD BRONZE PLUG, ADJUSTABLE ROUND SATIN BRONZE TOP WITH VANDAL PROOF SCREWS, HUB OUTLET GASKET AND CLAMP RING AND FLANGE.	

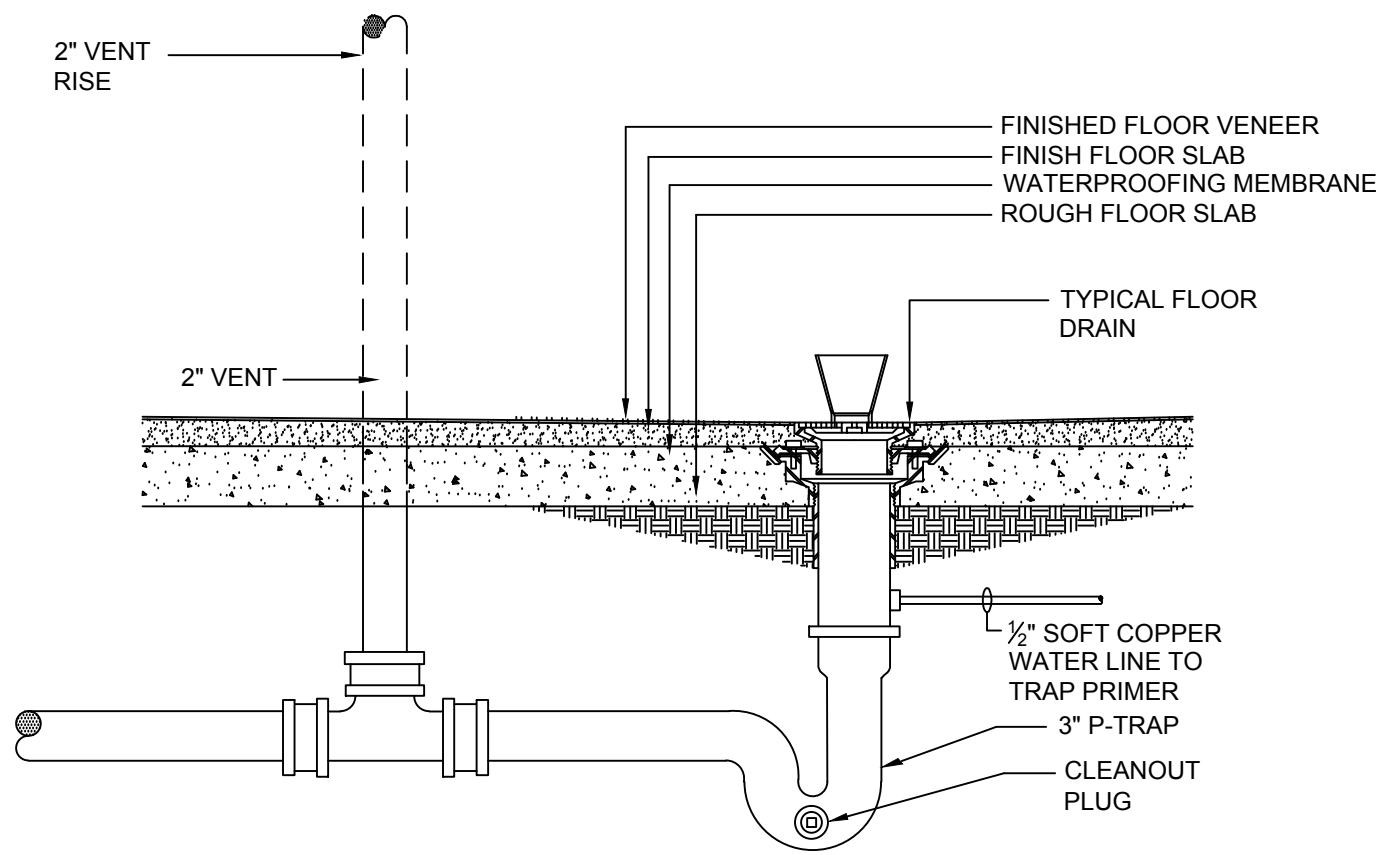
TRAP PRIMER SCHEDULE						
NO.	FIXTURE	MFG.	MODEL NO.	COLD WATER FEED TO UNIT	NUMBER OF FLOOR DRAINS SERVED	LOCATION
TP-1	AUTOMATIC TRAP PRIMER	ZURN	Z1022	½"	1	VARIES

PLUMBING PIPING LEGEND		
PIPING SYSTEM	LINETYPE	SYSTEM LABEL
EXISTING DOMESTIC COLD WATER	----	XCW
DOMESTIC COLD WATER	=====	CW
EXISTING DOMESTIC HOT WATER	-----	XHW
DOMESTIC HOT WATER	=====	HW
EXISTING SANITARY (ABOVE GRADE)	=====	XS
SANITARY (ABOVE GRADE)	=====	S
EXISTING SANITARY (BELOW GRADE)	=====	XS
SANITARY (BELOW GRADE)	=====	S
EXISTING VENT (ABOVE GRADE)	-----	XV
VENT (ABOVE GRADE)	-----	V
EXISTING VENT (BELOW GRADE)	-----	XV
VENT (BELOW GRADE)	-----	V
EXISTING GAS	=====	XG
GAS	=====	G
TRAP PRIMER	-----	TP

PLUMBING FITTINGS AND VALVES LEGEND	
EXISTING PIPING / EQUIPMENT TO BE REMOVED	/////
BALL VALVE	⌒
GAS BALL VALVE	⌒
CHECK VALVE	⌒
PRESSURE RELIEF VALVE	⌒
WATER METER	⌒
UNION	
END OF LINE CLEAN OUT	⌒
CLEAN OUT TO GRADE	⌒
WYE PLUS EIGHTH BEND	⌒
DOUBLE WYE PLUS EIGHTH BEND	⌒
WYE	⌒
TRAP	⌒
END CAP	⌒
PIPE BREAK	?
CONNECT TO EXISTING	⌒

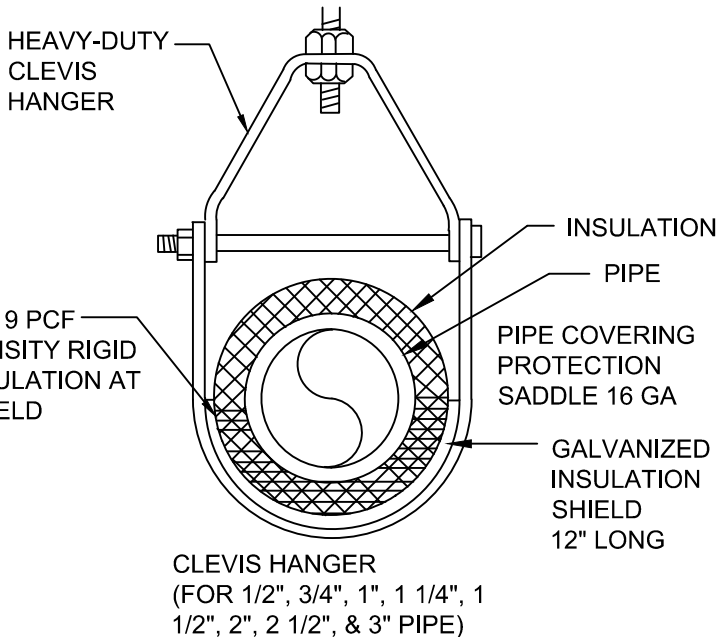
GENERAL NOTES:

- A. PLUMBING CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND DOES NOT ADVERSELY AFFECT CONSTRUCTION SCHEDULE.
- B. THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
- C. COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
- D. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
- E. PROVIDE DI-ELECTRIC COUPLINGS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
- F. COORDINATE ROUTING AND LOCATION OF PIPING WITH DUCTWORK, LIGHTS, AND STRUCTURE. PIPING SHALL RISE, JOG OR OFFSET AS REQUIRED TO AVOID CONFLICTS. MODIFICATION OF INSTALLED PIPING TO RESOLVE CONFLICTS ARISING FROM LACK OF COORDINATION SHALL BE DONE BY THE PLUMBING CONTRACTOR AT NO EXPENSE TO THE OWNER.
- G. ESCUTCHEONS SHALL BE PROVIDED AT ALL PIPE WALL PENETRATIONS.



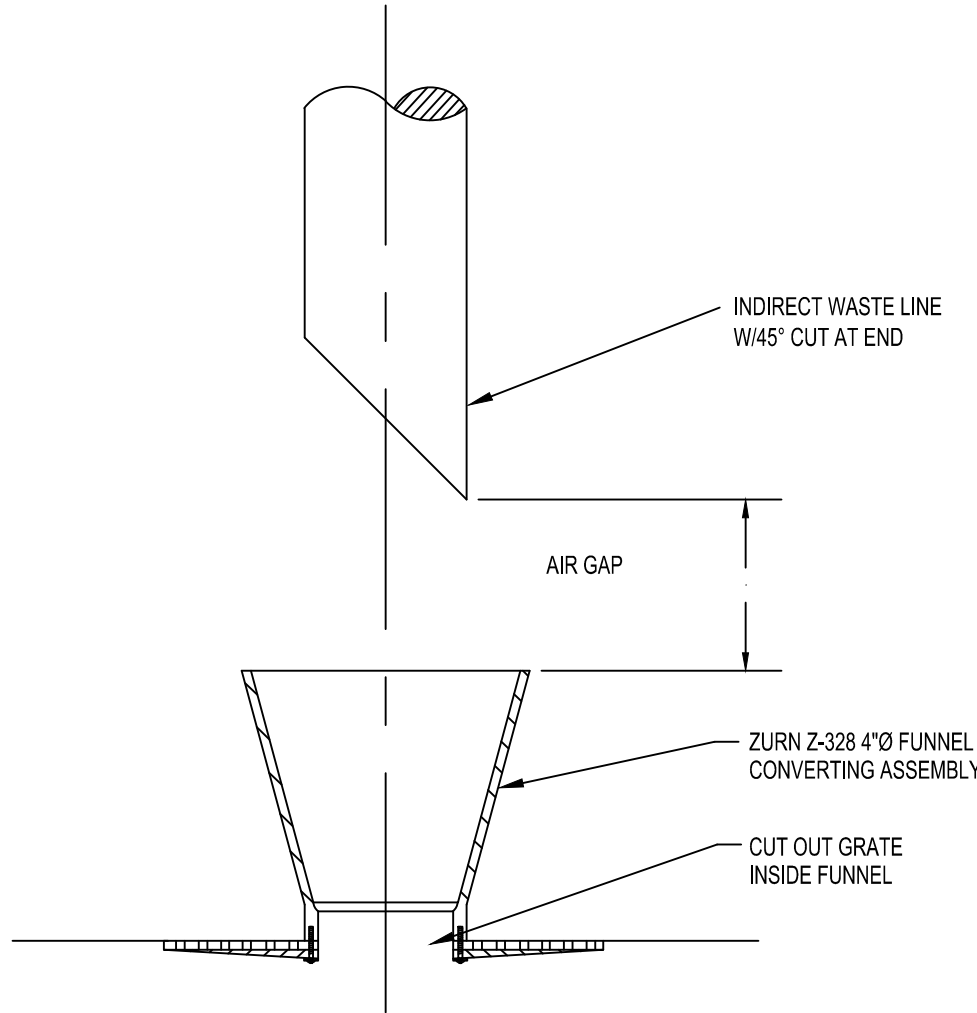
TYPICAL FLOOR DRAIN DETAIL

NOT TO SCALE



PIPE HANGER ATTACHEMENTS

NOT TO SCALE



INDIRECT WASTE DISCHARGE

NOT TO SCALE



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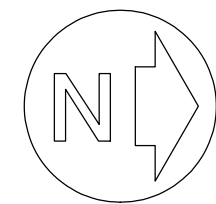
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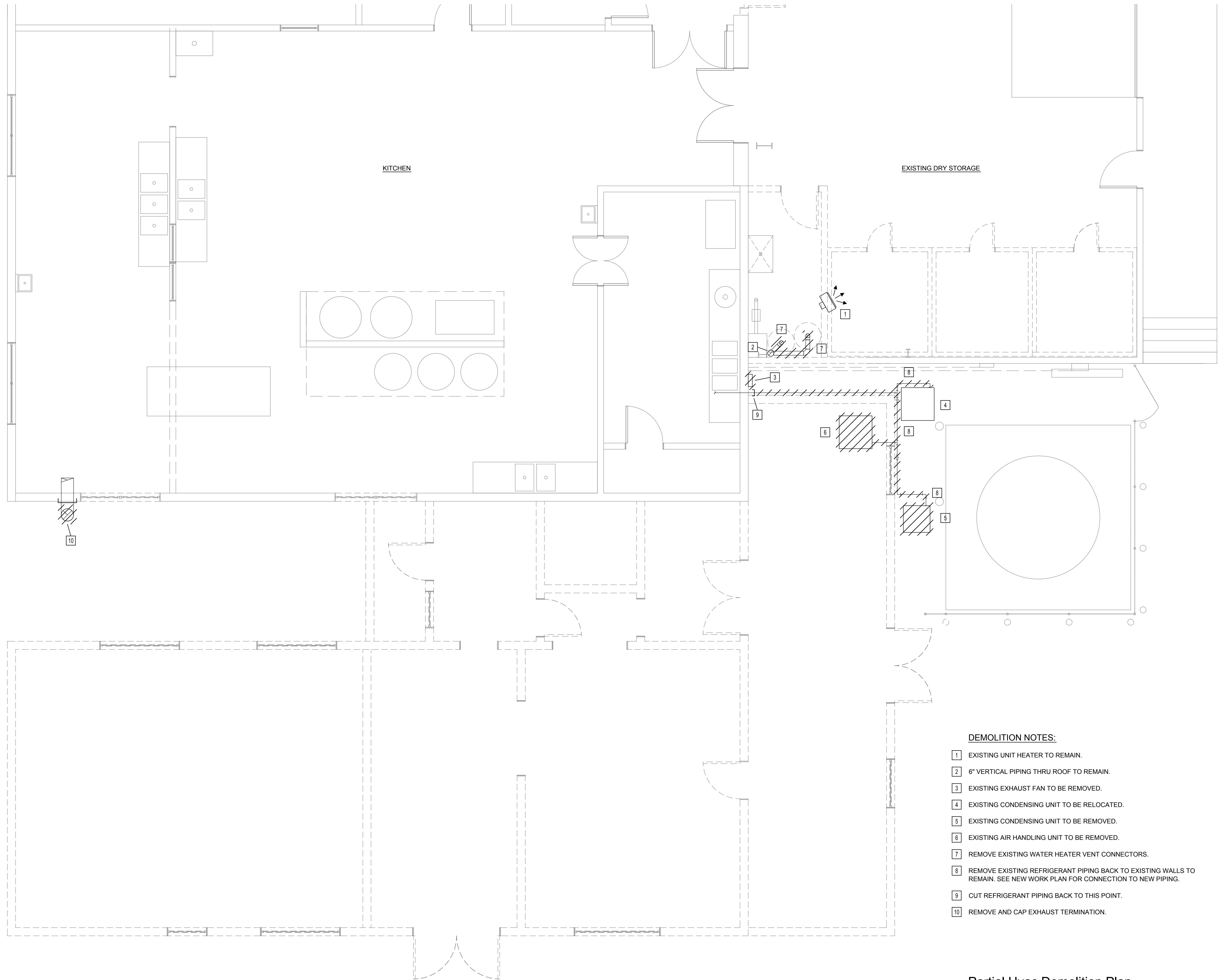
Plumbing Schedules &
Details

Scale: AS NOTED

Date: 09-01-2015

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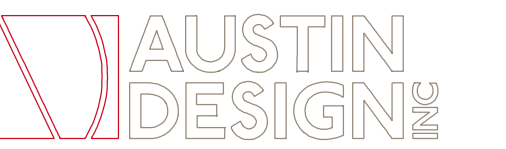
P2.0



DEMOLITION NOTES:

- 1 EXISTING UNIT HEATER TO REMAIN.
- 2 6" VERTICAL PIPING THRU ROOF TO REMAIN.
- 3 EXISTING EXHAUST FAN TO BE REMOVED.
- 4 EXISTING CONDENSING UNIT TO BE RELOCATED.
- 5 EXISTING CONDENSING UNIT TO BE REMOVED.
- 6 EXISTING AIR HANDLING UNIT TO BE REMOVED.
- 7 REMOVE EXISTING WATER HEATER VENT CONNECTORS.
- 8 REMOVE EXISTING REFRIGERANT PIPING BACK TO EXISTING WALLS TO REMAIN. SEE NEW WORK PLAN FOR CONNECTION TO NEW PIPING.
- 9 CUT REFRIGERANT PIPING BACK TO THIS POINT.
- 10 REMOVE AND CAP EXHAUST TERMINATION.

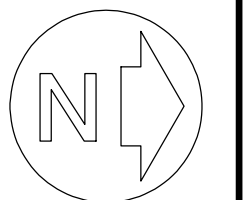
Partial Hvac Demolition Plan
SCALE: 1/2" = 1'-0"



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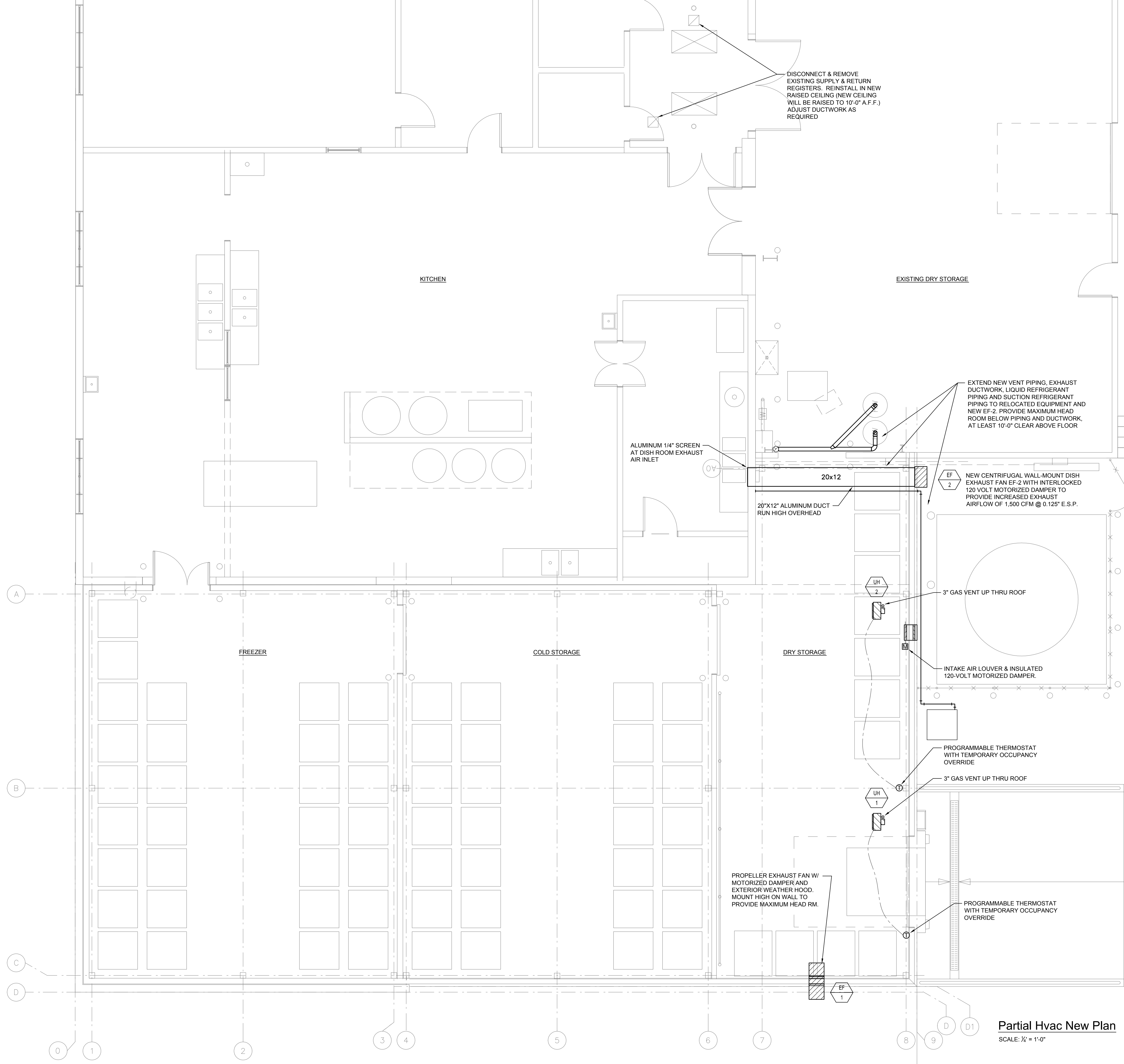
Title: Hvac Demolition Plan

Scale: 1/4" = 1'-0"

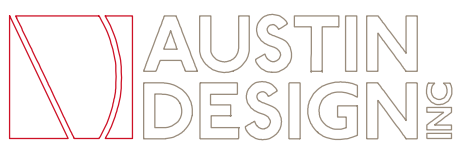
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Partial Hvac New Plan
SCALE: 1/4" = 1'-0"



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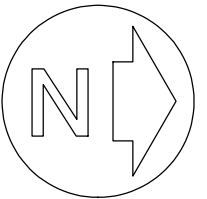
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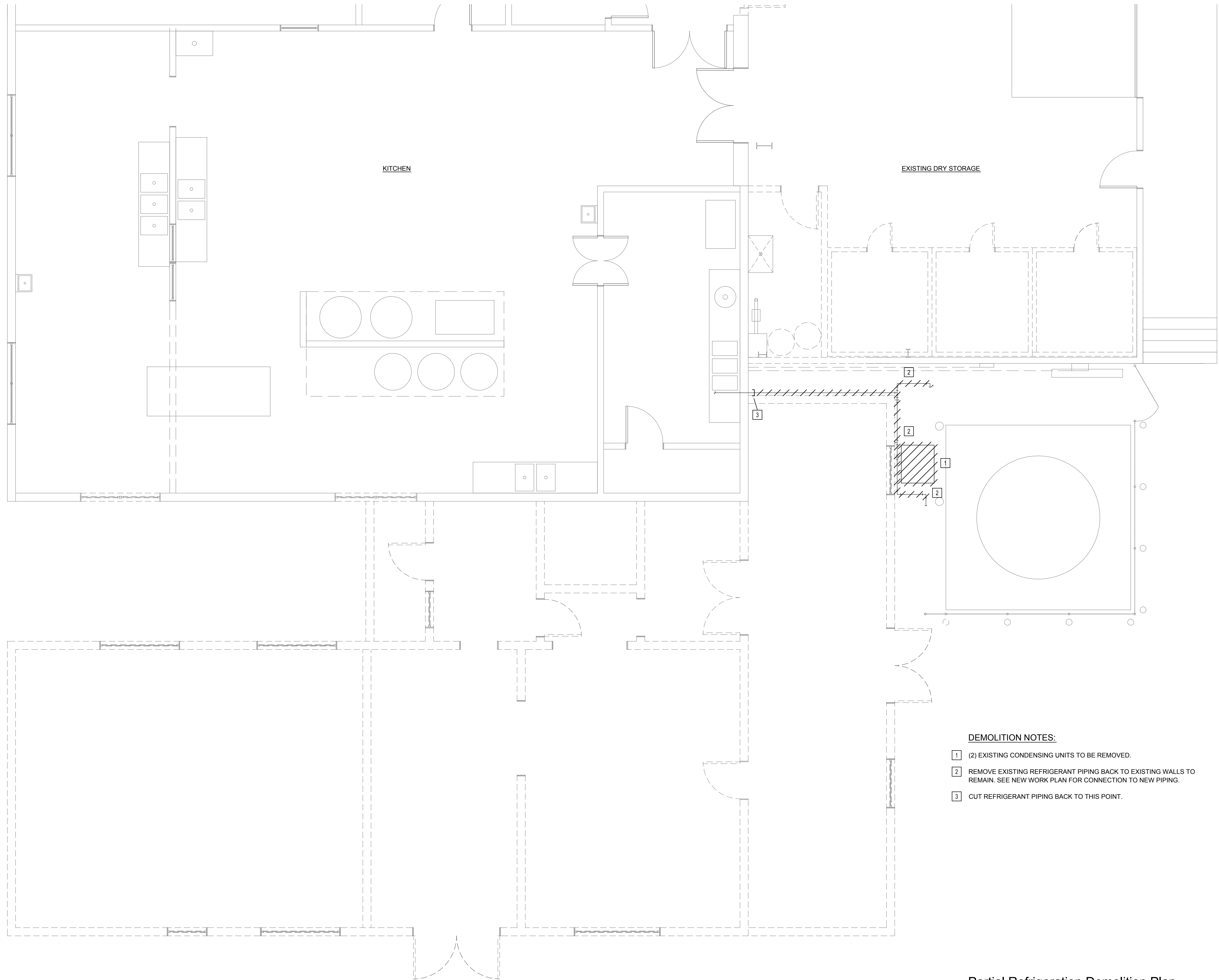
Title: Hvac New Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

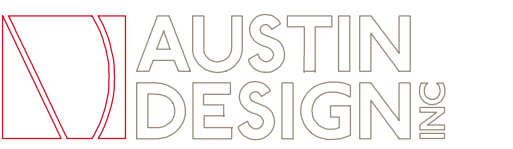
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- DEMOLITION NOTES:**
- (1) (2) EXISTING CONDENSING UNITS TO BE REMOVED.
 - (2) REMOVE EXISTING REFRIGERANT PIPING BACK TO EXISTING WALLS TO REMAIN. SEE NEW WORK PLAN FOR CONNECTION TO NEW PIPING.
 - (3) CUT REFRIGERANT PIPING BACK TO THIS POINT.

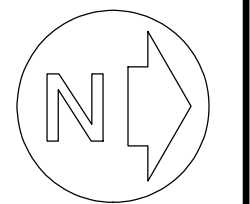
Partial Refrigeration Demolition Plan
SCALE: 1/2" = 1'-0"



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Title: Refrigeration Demolition Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

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AIR-COOLED CONDENSING UNIT SCHEDULE													
TAG	MFR	MODEL	AMBIENT TEMP. (°F)	NOMINAL CAPACITY (TONS)	SUCTION TEMP. (°F)	NUMBER OF REFRIGERANT CIRCUITS	NUMBER OF COMPRESSORS	NUMBER OF STEPS UNLOADING	SERVES	ELECTRICAL			REMARKS
										VOLTS	PHASE	MCA	
CU-1	BALLY	BHCO 350-A2 T3A	95	2.0	20	1	1	2	E-1	208	1	44	①②③④⑤⑥⑦
CU-2	BALLY	BHCO 350-A2 T3A	95	2.0	20	1	1	2	E-2	208	1	44	①②③④⑤⑥⑦
CU-3	BALLY	RP400-L5 / 2DL3-0400	95	4.0	-20	1	1	2	E-3	208	3	37.5	①②③④⑤⑥⑦
CU-4	BALLY	RP400-L5 / 2DL3-0400	95	4.0	-20	1	1	2	E-4	208	3	37.5	①②③④⑤⑥⑦

REMARKS:

① INSTALL ON CONCRETE PAD ON GRADE BY GENERAL CONTRACTOR

② LOW AMBIENT CONTROL

③ REFRIGERANT LINE KIT

④ 5-YEAR COMPRESSOR WARRANTY

⑤ INTERLOCK WITH RESPECTIVE EVAPORATIVE COIL

⑥ INVERTER CONTROLLED COMPRESSOR

⑦ WIND BAFFLES

EVAPORATOR SCHEDULE										
<div><div>E</div><div>1</div></div> TAG	MFG	MODEL	CFM	BTU/HR.	ELECTRICAL			DEFROST HEATER (WATTS)	SERVES	REMARKS
					H.P.	VOLTS	PHASE			
E-1	BALLY	BA 204 PED S2	3200	17400		208	1	4580	COOLER	①②
E-2	BALLY	BA 204 PED S2	3200	17400		208	1	4580	COOLER	①②
E-3	BALLY	BA 260 PED S2	4800	26000		208	3	6760	FREEZER	①③
E-4	BALLY	BA 260 PED S2	4800	26000		208	3	6760	FREEZER	①③

REMARKS:

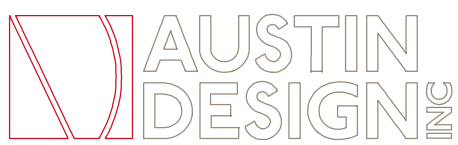
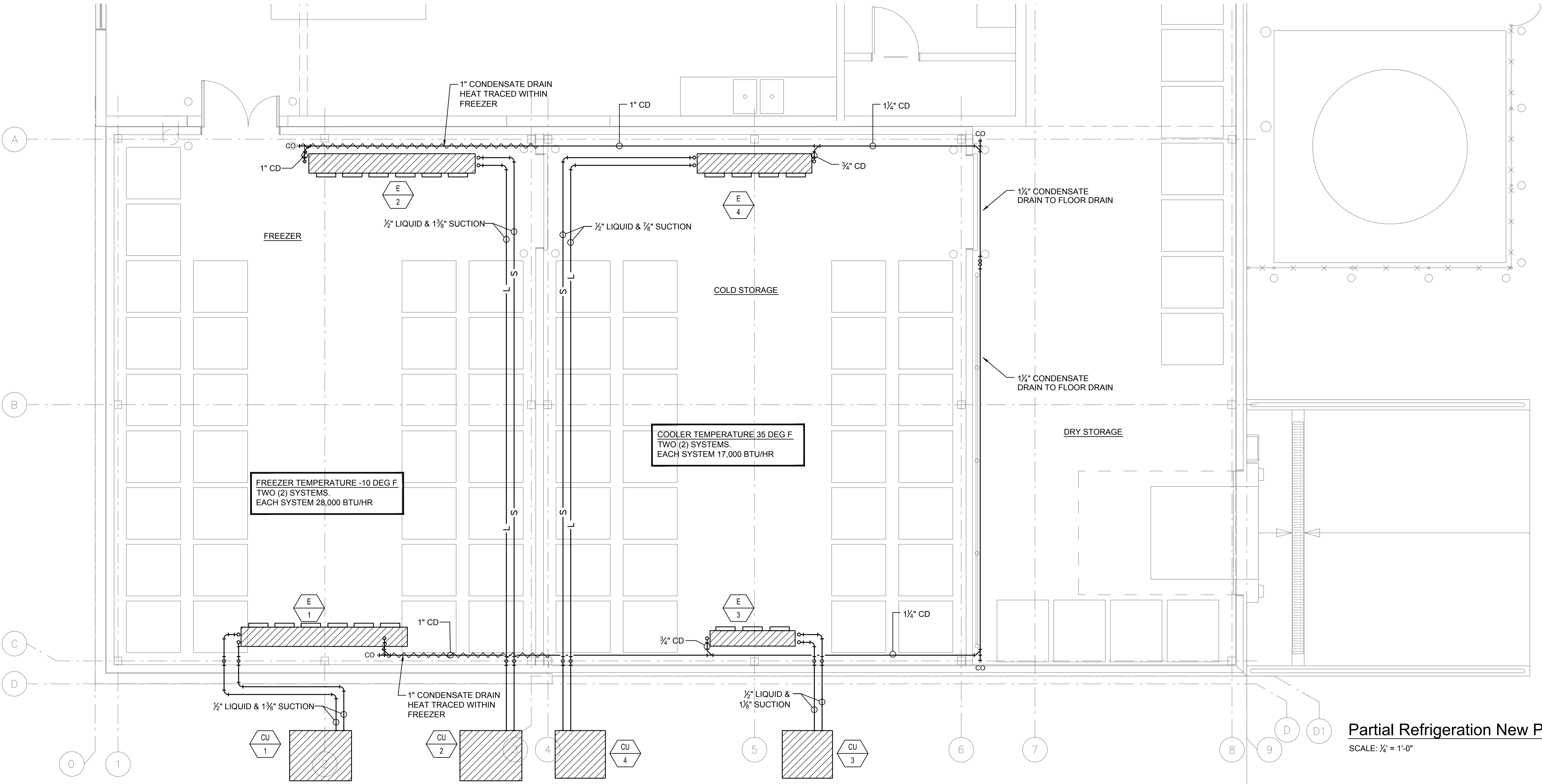
① ELECTRIC DEFROST

② CONDENSATE PAN

③ CONDENSATE PAN W/ HEATER

REFRIGERATION SYSTEMS NOTES

1. FREEZER AND COOLER REFRIGERATION SYSTEMS SHALL HAVE FACTORY INSTALLED VARIABLE SPEED EC (ELECTRICALLY COMMUTATED) MOTORS. TEMPERATURE CONTROLLED. COMPRESSORS SHALL BE HIGH EFFICIENCY TYPE.
2. PROVIDE ADD ALTERNATE PRICE FOR HOT GAS DEFROST CONTROLS AND PIPING FOR FREEZER IN LIEU OF ELECTRIC DEFROST. EQUAL TO HEATCRAFT MOJAVE OR KRAMER SURVEILLANT.
3. PROVIDE ADD ALTERNATE PRICE FOR HOT GAS DEFROST CONTROLS AND PIPING FOR COOLER IN LIEU OF ELECTRIC DEFROST. EQUAL TO HEATCRAFT MOJAVE OR KRAMER SURVEILLANT.
4. ALL REFRIGERATION PIPING SUBJECT TO MANUFACTURERS PIPE SIZING GUIDES.



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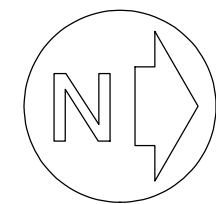
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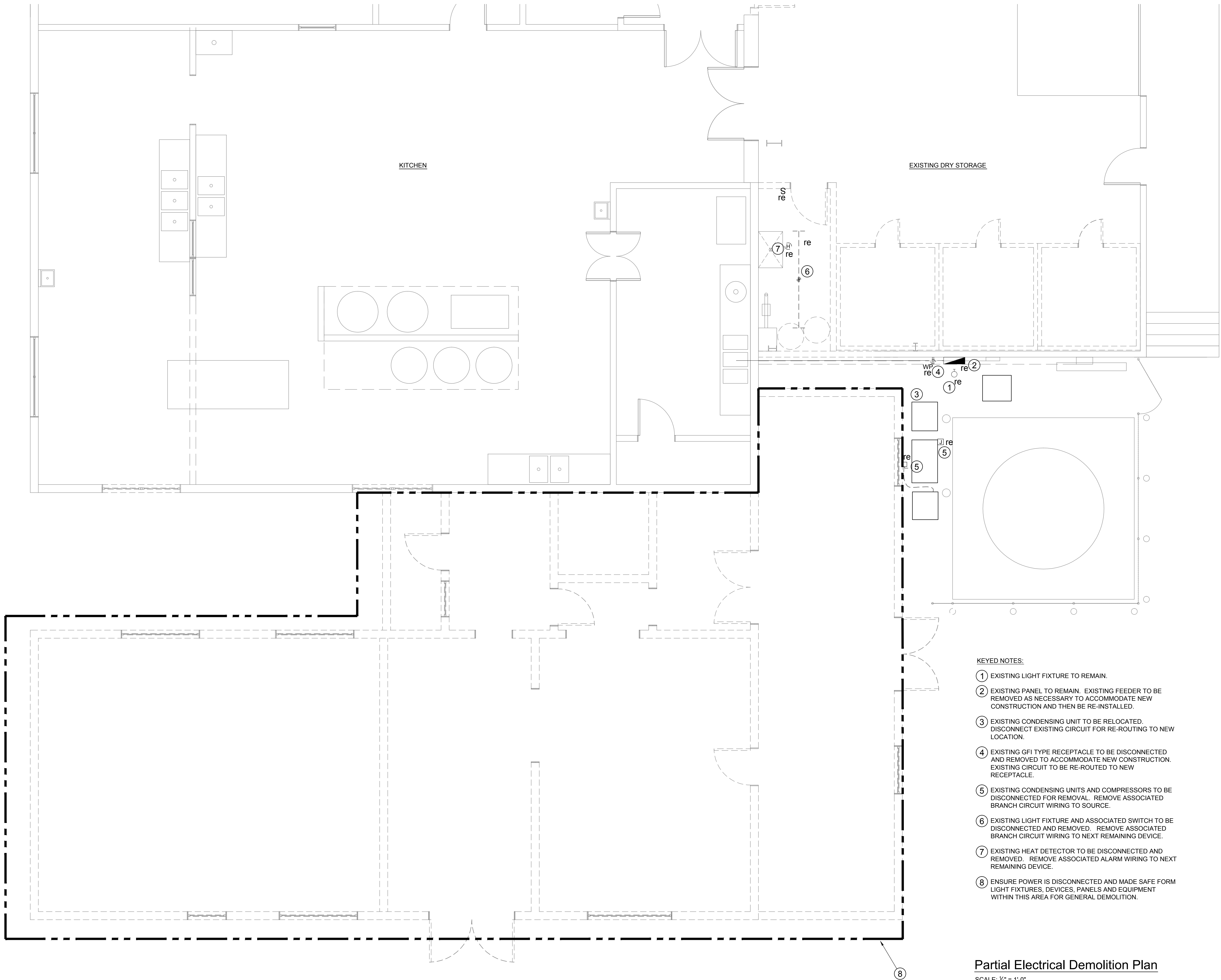
Title: Refrigeration New Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

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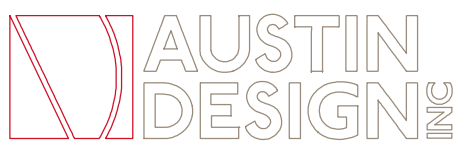


KEYED NOTES:

- 1 EXISTING LIGHT FIXTURE TO REMAIN.
- 2 EXISTING PANEL TO REMAIN. EXISTING FEEDER TO BE REMOVED AS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION AND THEN BE RE-INSTALLED.
- 3 EXISTING CONDENSING UNIT TO BE RELOCATED. DISCONNECT EXISTING CIRCUIT FOR RE-ROUTING TO NEW LOCATION.
- 4 EXISTING GFI TYPE RECEPTACLE TO BE DISCONNECTED AND REMOVED TO ACCOMMODATE NEW CONSTRUCTION. EXISTING CIRCUIT TO BE RE-ROUTED TO NEW RECEPTACLE.
- 5 EXISTING CONDENSING UNITS AND COMPRESSORS TO BE DISCONNECTED FOR REMOVAL. REMOVE ASSOCIATED BRANCH CIRCUIT WIRING TO SOURCE.
- 6 EXISTING LIGHT FIXTURE AND ASSOCIATED SWITCH TO BE DISCONNECTED AND REMOVED. REMOVE ASSOCIATED BRANCH CIRCUIT WIRING TO NEXT REMAINING DEVICE.
- 7 EXISTING HEAT DETECTOR TO BE DISCONNECTED AND REMOVED. REMOVE ASSOCIATED ALARM WIRING TO NEXT REMAINING DEVICE.
- 8 ENSURE POWER IS DISCONNECTED AND MADE SAFE FORM LIGHT FIXTURES, DEVICES, PANELS AND EQUIPMENT WITHIN THIS AREA FOR GENERAL DEMOLITION.

Partial Electrical Demolition Plan

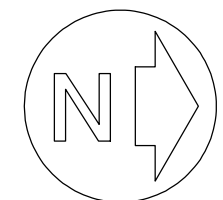
SCALE: 1/4" = 1'-0"



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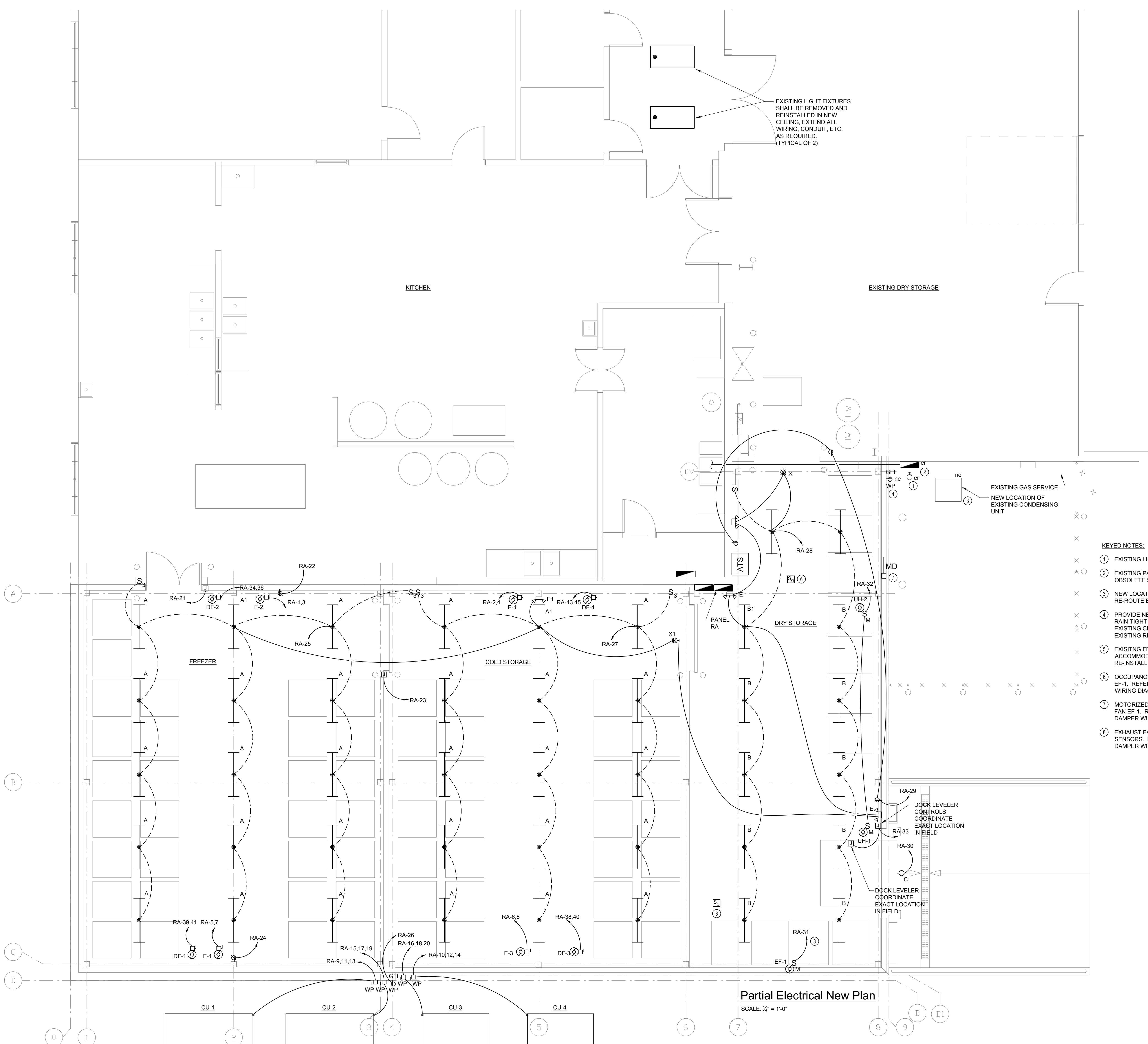
Title: Electrical Demolition Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

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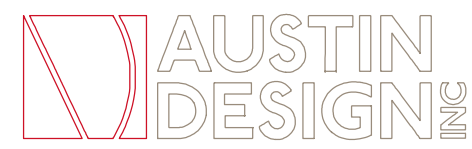
E1.0



Partial Electrical New Plan

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

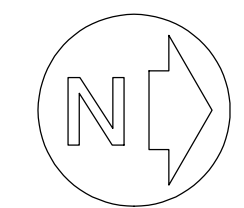
- KEYED NOTES:
- ① EXISTING LIGHT FIXTURE TO REMAIN.
 - ② EXISTING PANEL TO REMAIN. EXISTING BREAKERS MADE OBSOLETE SHALL REMAIN AND BE LABELED AS SPARE.
 - ③ NEW LOCATION OF EXISTING CONDENSING UNIT. RE-ROUTE EXISTING CIRCUIT TO NEW LOCATION.
 - ④ PROVIDE NEW GFI TYPE RECEPTACLE WITH RAIN-TIGHT-WHILE-IN-USE COVER. RECONNECT TO EXISTING CIRCUIT MADE AVAILABLE BY REMOVAL OF EXISTING RECEPTACLE.
 - ⑤ EXISITING FEEDER TO BE REMOVED AS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION AND THEN BE RE-INSTALLED.
 - ⑥ OCCUPANCY SENSOR FOR CONTROL OF EXHAUST FAN EF-1. REFER TO EXHAUST FAN AND MOTORIZED DAMPER WIRING DIAGRAM ON DRAWING E2.1.
 - ⑦ MOTORIZED DAMPER TO BE INTERLOCKED WITH EXHAUST FAN EF-1. REFER TO EXHAUST FAN AND MOTORIZED DAMPER WIRING DIAGRAM ON DRAWING E2.1.
 - ⑧ EXHAUST FAN TO BE CONTROLLED BY ROOM OCCUPANCY SENSORS. REFER TO EXHAUST FAN AND MOTORIZED DAMPER WIRING DIAGRAM ON DRAWING E2.1.



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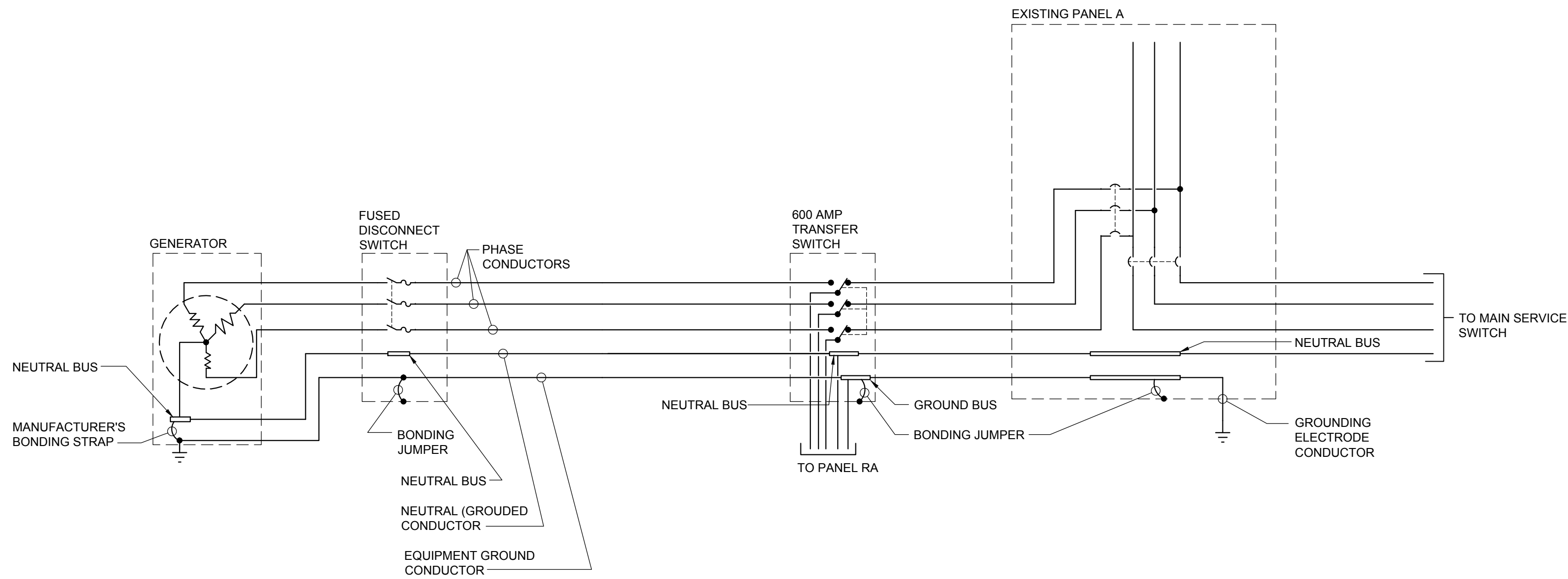
Title: Electrical New Plan

Scale: 1/4" = 1'-0"

Date: 09-01-2015

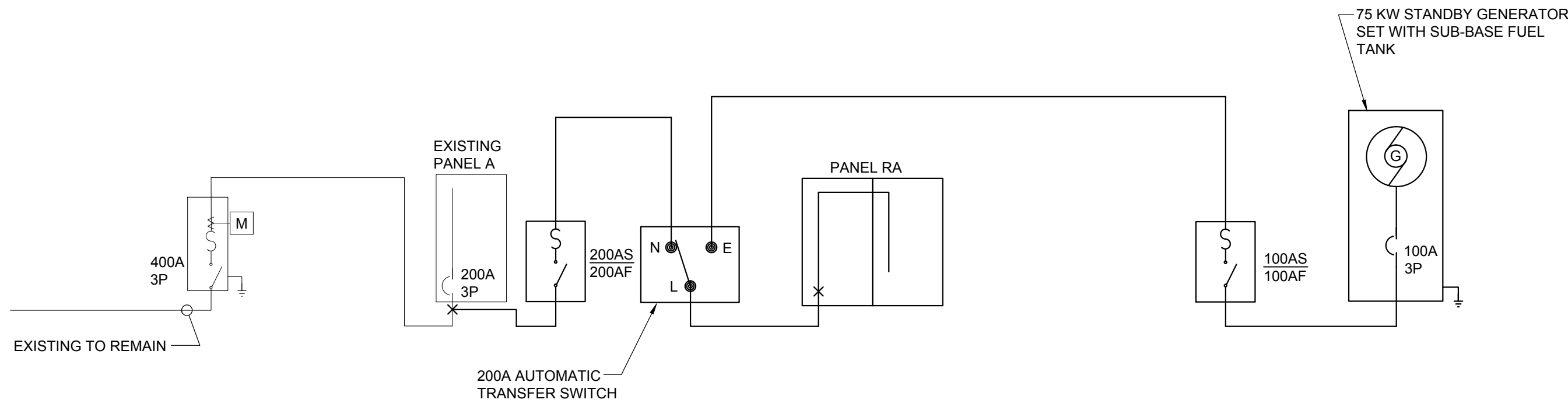
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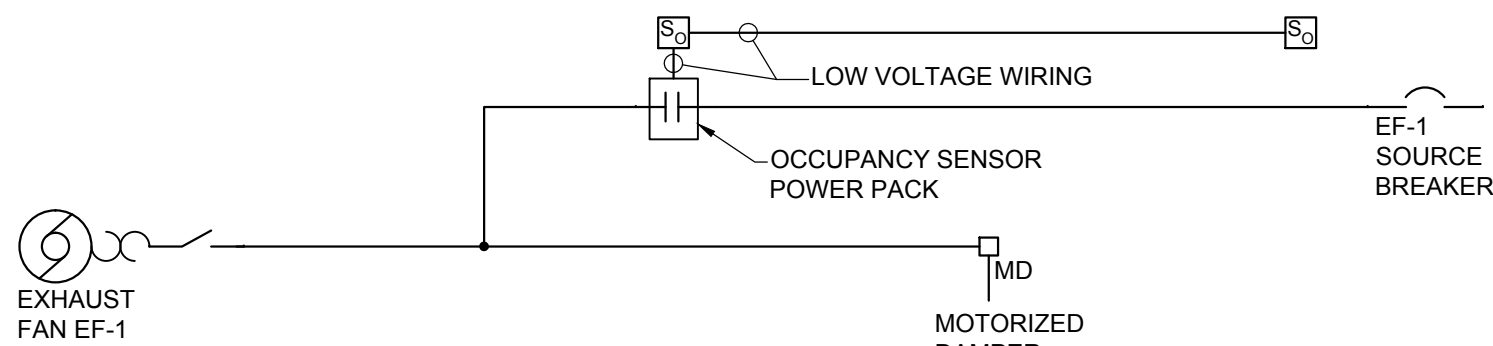
Generator Neutral/Grounding Diagram

SCALE: NONE



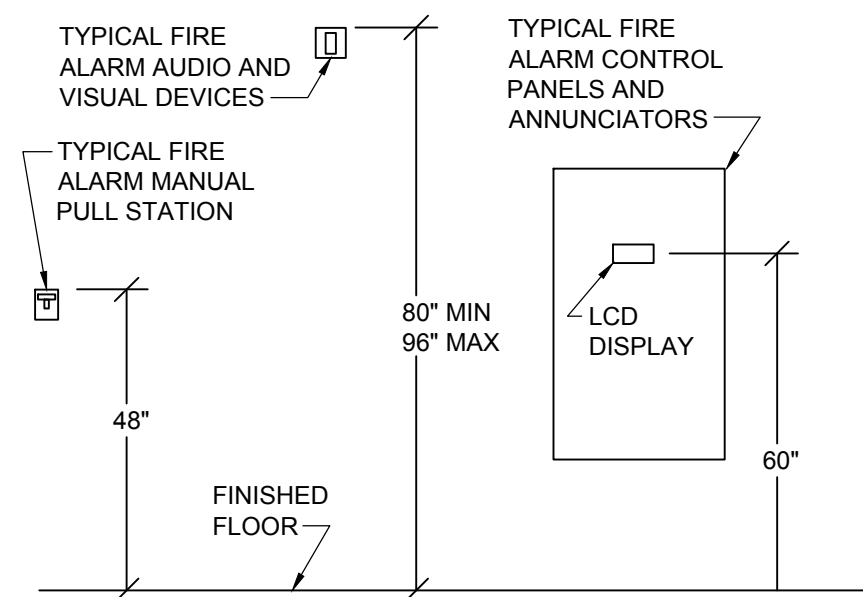
Main Distribution Riser Diagram

SCALE: NONE



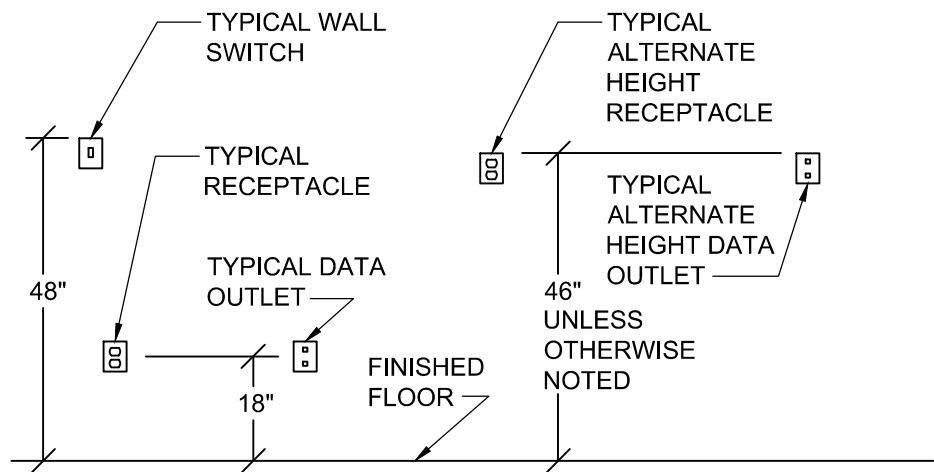
EXHAUST FAN AND MOTORIZED DAMPER WIRING DIAGRAM

SCALE: NONE



Fire Alarm Device Mounting Heights

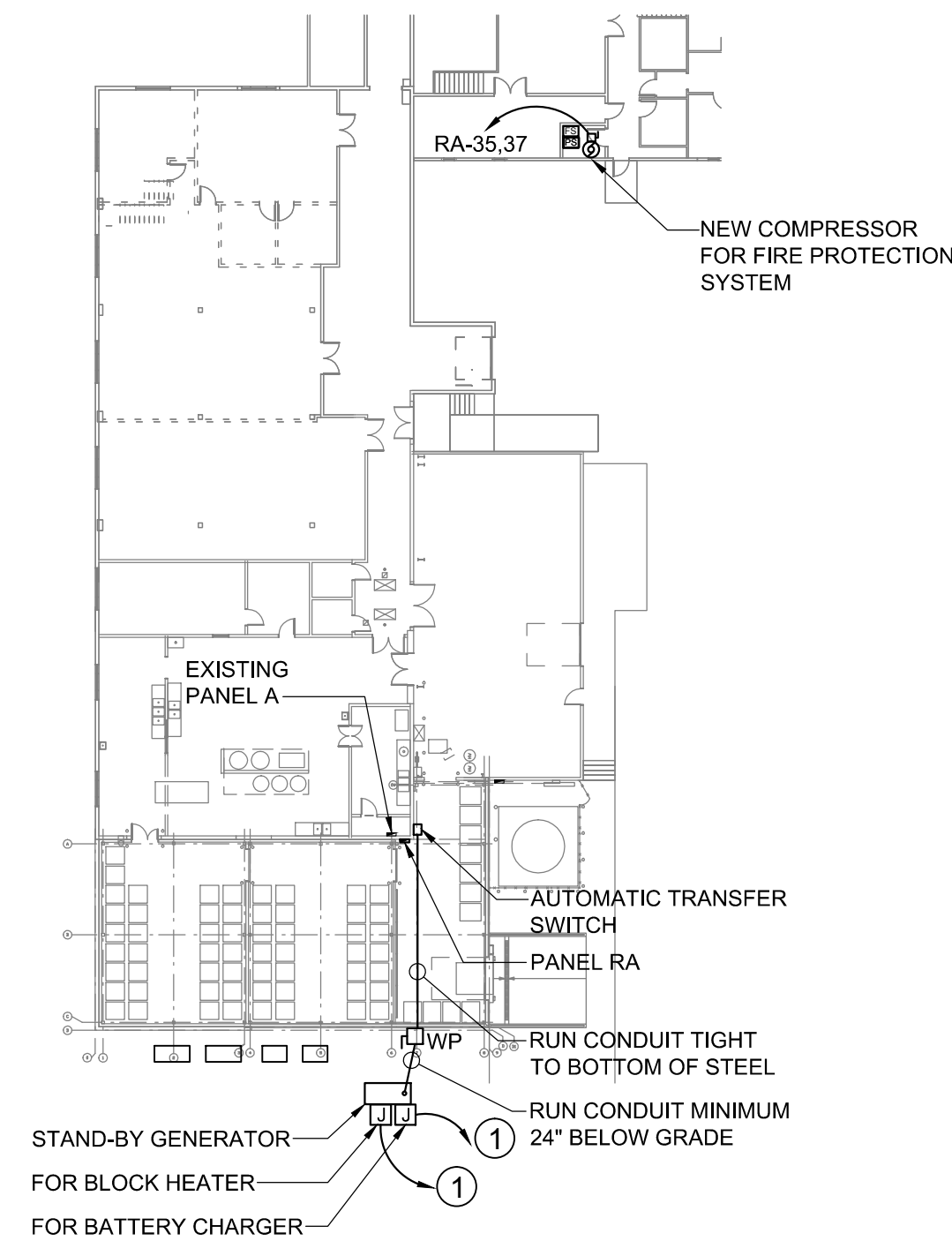
SCALE: NONE



Standard Wiring Device Mounting Heights

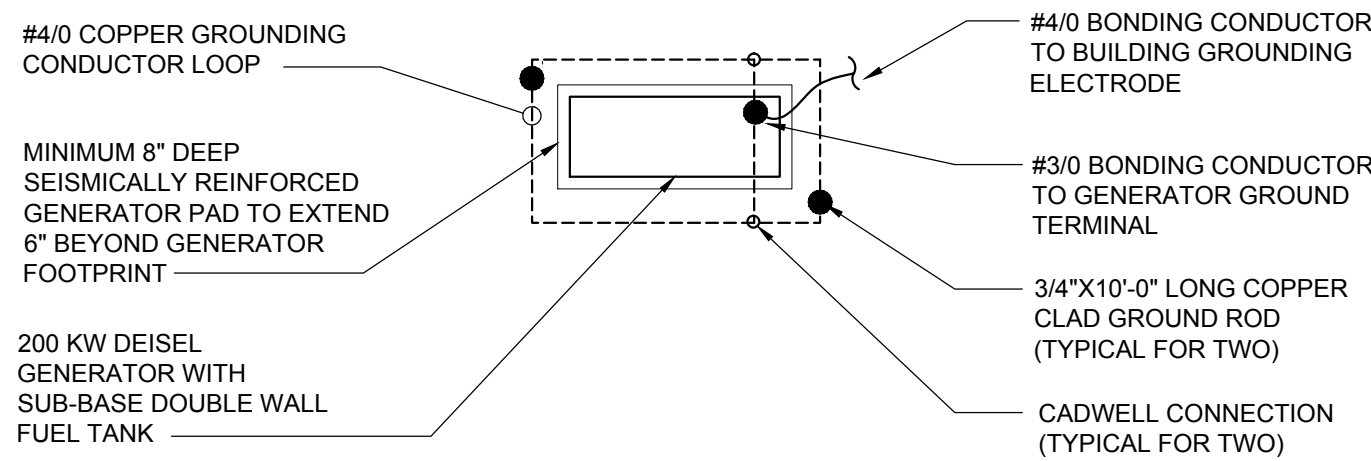
SCALE: NONE

NOTE:
MOUNTING HEIGHTS NOTED ON FLOOR PLANS OR ILLUSTRATED ON ARCHITECTURAL ELEVATIONS TAKE PRECEDENCE OVER STANDARD MOUNTING HEIGHTS



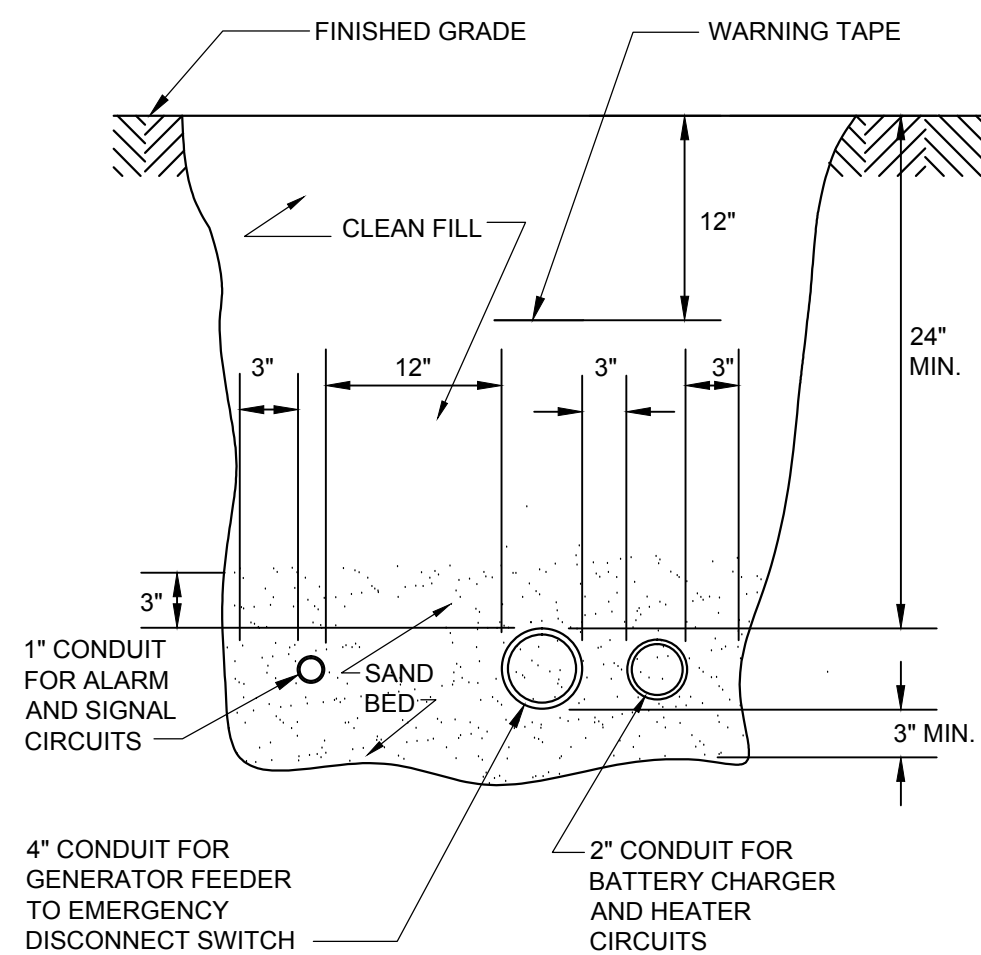
Partial Electrical Site Plan

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



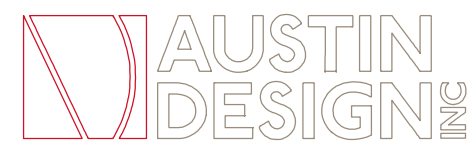
Generator Grounding Detail

SCALE: NONE



Conduit Trench Detail

SCALE: NONE



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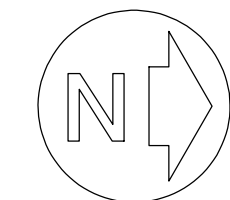
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Electrical Part Plans and
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LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	MOUNTING	DESCRIPTION	REMARKS
A	DAY BRITE	V2WAE51LH835-4-UNV	46W LED 5100 LUMENS	120	SURFACE	4 FOOT ENCLOSED AND GASKETED LED STRIP LIGHT WITH ACRYLIC LENS, 80 GRI, 3500K LAMP TEMPERATURE	FOR -35°C TO 40°C
A1	DAY BRITE	V2WAE51LH835-4-UNV-SDIM	46W LED 5100 LUMENS	120	SURFACE	4 FOOT ENCLOSED AND GASKETED LED STRIP LIGHT WITH ACRYLIC LENS, 80 GRI, 3500K LAMP TEMPERATURE AND STEP DIMMING DRIVER	FOR -35°C TO 40°C, 40% LIGHT OUTPUT TO BE CONTINUOUS ON
B	DAY BRITE	IF232-PP-UNV-EB10R-FL-173-FL-123	(2) 32W T8	120	CHAIN	4 FOOT CHAIN MOUNTED INDUSTRIAL LIGHT FIXTURE WITH WIRE GUARD AND 10% UPLIGHT	MOUNT AS CLOSE TO CEILING AS POSSIBLE
B1	DAY BRITE	IF232-PP-UNV-EBSD-FL-173-FL-123	(2) 32W T8	120	CHAIN	4 FOOT CHAIN MOUNTED INDUSTRIAL LIGHT FIXTURE WITH WIRE GUARD,.10% UPLIGHT AND STEP DIMMING BALLAST	MOUNT AS CLOSE TO CEILING AS POSSIBLE. 50% LIGHT OUTPUT TO BE CONTINUOUS ON
C	DAY BRITE	WTL90WLU-MC30	90W LED	120	WALL	FULL CUTOFF LED WALL MOUNTED LIGHT FIXTURE WIDE MEDIUM DISTRIBUTION OPTICS	
E	CHLORIDE	VA6L24W12	(2) 12W MR-16 HEADS	120AC/6VDC	WALL	DUAL HEAD EMERGENCY LIGHT	
E1	CHLORIDE	SV16LWHR	(2) 5.5W MR-16 HEADS	120AC/6VDC	WALL	WET LABEL DUAL HEAD EMERGENCY LIGHT WITH BATTERY HEATER	
X	CHLORIDE	SCN1RWIC	LED	--	UNIVERSAL	LED SINGLE FACE EXIT SIGN WITH RED LETTERS ON WHITE HOUSING, AND BATTERY BACK-UP	
X1	CHLORIDE	SCN1RWIC	LED	--	UNIVERSAL	LED SINGLE FACE EXIT SIGN WITH RED LETTERS ON WHITE HOUSING, DAMP LABEL FOR 0°C TO 40°C, AND BATTERY BACK-UP	

MOTOR CIRCUIT AND MECHANICAL EQUIPMENT SCHEDULE														
TAG	LOCATION	SOURCE PANEL/CIRCUIT	OCPD TYPE	OCPD SIZE	LOCAL DISCONNECT		BRANCH CIRUCIT	STARTER			HP (MCA) [KW]	VOLTAGE	PHASE	REMARKS
					SWITCH SIZE	FUSE SIZE		TYPE	SIZE	LOCATION				
CU-1	GROUND	RA (SEE FLOOR PLAN)	C/B	50A-3P	60A	50A	3#6, 1#8G, 1".	--	--	AT UNIT		208	3	SEE NOTE 1
CU-2	GROUND	RA (SEE FLOOR PLAN)	C/B	50A-3P	60A	50A	3#6, 1#8G, 1".	--	--	AT UNIT		208	3	SEE NOTE 1
CU-3	GROUND	RA (SEE FLOOR PLAN)	C/B	60A-3P	60A	60A	3#4, 1#8G, 1 1/2".	--	--	AT UNIT		208	3	SEE NOTE 1
CU-4	GROUND	RA (SEE FLOOR PLAN)	C/B	60A-3P	60A	60A	3#4, 1#8G, 1 1/2".	--	--	AT UNIT		208	3	SEE NOTE 1
E-1	FREEZER	RA (SEE FLOOR PLAN)	C/B	20A-2P	30A	15A	3#12, 1#12G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1
E-2	FREEZER	RA (SEE FLOOR PLAN)	C/B	20A-2P	30A	15A	3#12, 1#12G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1
E-3	COLD STORAGE	RA (SEE FLOOR PLAN)	C/B	20A-2P	30A	15A	3#12, 1#12G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1
E-4	COLD STORAGE	RA (SEE FLOOR PLAN)	C/B	20A-2P	30A	15A	3#12, 1#12G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1
EF-1	DRY STORAGE	RA (SEE FLOOR PLAN)	C/B	20A-1P	--	--	2#12, 1#12G, 3/4".	MAN.	--	--	1/4	120	1	
UH-1	DRY STORAGE	RA (SEE FLOOR PLAN)	C/B	20A-1P	--	--	2#12, 1#12G, 3/4".	MAN.	--	--	1/20	120	1	
UH-2	DRY STORAGE	RA (SEE FLOOR PLAN)	C/B	20A-1P	--	--	2#12, 1#12G, 3/4".	MAN.	--	--	1/20	120	1	
DF-1	FREEZER	RA (SEE FLOOR PLAN)	C/B	40A-2P	60A	40A	3#8, 1#10G, 1" C.	--	--	AT UNIT		208	1	SEE NOTE 1
DF-2	FREEZER	RA (SEE FLOOR PLAN)	C/B	40A-2P	60A	40A	3#8, 1#10G, 1" C.	--	--	AT UNIT		208	1	SEE NOTE 1
DF-3	COLD STORAGE	RA (SEE FLOOR PLAN)	C/B	30A-2P	30A	30A	3#10, 1#10G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1
DF-4	COLD STORAGE	RA (SEE FLOOR PLAN)	C/B	30A-2P	30A	30A	3#10, 1#10G, 3/4".	--	--	AT UNIT		208	1	SEE NOTE 1

MOTOR CIRCUIT SCHEDULE REFERENCED NOTES:

- MOTOR CONTROLLER FURNISHED AND INSTALLED BY OTHER DIVISION INTEGRAL TO MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL TERMINATE BRANCH CIRCUIT WIRING TO APPROPRIATE EQUIPMENT TERMINALS/LUGS/CONDUCTORS.
- MOTOR CONTROLLER FURNISHED BY OTHER DIVISION AND TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL TERMINATE BRANCH CIRCUIT WIRING TO THE MOTOR CONTROLLER AND FROM THE MOTOR CONTROLLER TO THE MOTOR. CONTROL WIRING SHALL BE BY OTHER DIVISION.
- LOCAL DISCONNECT SWITCH FURNISHED AND INSTALLED BY OTHER DIVISION INTEGRAL TO MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL TERMINATE BRANCH CIRCUIT WIRING TO APPROPRIATE EQUIPMENT TERMINALS/LUGS/CONDUCTORS.

MOTOR CIRCUIT SCHEDULE GENERAL NOTES:

A. ABBREVIATIONS:

- MAN - MANUAL STARTER/DISCONENCT SWITCH
UNLESS OTHERWISE NOTED, MOTOR CONTROLLER SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- B. COORDINATE WITH OTHER DIVISIONS FOR EXACT LOCATION OF BRANCH CIRCUIT TERMINATIONS TO MOTORIZED EQUIPMENT.

RA PANEL SCHEDULE										RA PANEL SCHEDULE									
3 PHASE 4 WIRE 208 / 120 VOLTS- 60 HZ										3 PHASE 4 WIRE 208 / 120 VOLTS- 60 HZ									
Pole No.	DESCRIPTION	FEEDER	OPTIONS	B R E A K E R		FEEDER	DESCRIPTION	Pole No.		Pole No.	DESCRIPTION	FEEDER	OPTIONS	B R E A K E R		FEEDER	DESCRIPTION	Pole No.	
				TRIP/POLE	TRIP/POLE									TRIP/POLE	TRIP/POLE				
1	E-2	3/4" C, 3#12+#12G	-	20A/2P	20A/2P	-	3/4" C, 3#12+#12G	E-4	2	43	DF-4	3/4" C, 3#10+#10G	-	30A/2P	20A/1P	-	-	SPARE	44
3	--	-	-	--	--	-	-	--	4	45	--	-	-	--	20A/1P	-	-	SPARE	46
5	E-1	3/4" C, 3#12+#12G	-	20A/2P	20A/2P	-	3/4" C, 3#12+#12G	E-3	6	47	SPARE	-	-	20A/1P	20A/1P	-	-	SPARE	48
7	--	-	-	--	--	-	-	--	8	49	SPARE	-	-	20A/1P	20A/1P	-	-	SPARE	50
9	CU-1	1" C, 3#6+#8G	-	50A-3P	60A/3P	-	1 1/2" C, 3#4+#8G	CU-4	10	51	SPARE	-	-	20A/1P	20A/1P	-	-	SPARE	52
11	--	-	-	--	--	-	-	--	12	53	SPARE	-	-	20A/1P	20A/1P	-	-	SPARE	54
13	--	-	-	--	--	-	-	--	14	55	SPACE	-	-	--	--	-	-	SPACE	56
15	CU-2	1" C, 3#6+#8G	-	50A-3P	60A/3P	-	1 1/2" C, 3#4+#8G	CU-3	16	57	SPACE	-	-	--	--	-	-	SPACE	58
17	--	-	-	--	--	-	-	--	18	59	SPACE	-	-	--	--	-	-	SPACE	60
19	--	-	-	--	--	-	-	--	20	61	SPACE	-	-	--	--	-	-	SPACE	62
21	DOOR HEATER	3/4" C, 2#12+#12G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	HEAT TAPE	22	63	SPACE	-	-	--	--	-	-	SPACE	64
23	DOOR HEATER	3/4" C, 2#12+#12G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	HEAT TAPE	24	65	SPACE	-	-	--	--	-	-	SPACE	66
25	FREEZER LTG	3/4" C, 2#12+#12G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	SERVICE REC.	26	67	SPACE	-	-	--	--	-	-	SPACE	68
27	COLD STOR. LTG.	3/4" C, 2#12+#12G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	DRY STOR. LTG.	28	69	SPACE	-	-	--	--	-	-	SPACE	70
29	GEN. PURP. REC.	3/4" C, 2#12+#12G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	EXTERIOR LIGHT	30	71	SPACE	-	-	--	--	-	-	SPACE	72
31	EF-1	3/4" C, 3#10+#10G	-	20A/1P	20A/1P	-	3/4" C, 2#12+#12G	UH-1, UH-2	32	73	SPACE	-	-	--	--	-	-	SPACE	74
33	DOCK LEVELER	3/4" C, 2#8+#8G	-	40A/1P	40A/2P	-	1" C, 3#6+#8G	DF-2	34	75	SPACE	-	-	--	--	-	-	SPACE	76
35	COMPRESSOR	3/4" C, 3#12+12G	-	20A/2P	--	-	--	--	36	77	SPACE	-	-	--	--	-	-	SPACE	78
37	--	-	-	--	30A/2P	-	3/4" C, 3#10+10G	DF-3	38	79	SPACE	-	-	--	--	-	-	SPACE	80
39	DF-1	1" C, 3#6+8G	-	40A/2P	--	-	--	--	40	81	SPACE	-	-	--	--	-	-	SPACE	82
41	--	--	-	--	20A/1P	-	--	SPARE	42	83	SPACE	-	-	--	--	-	-	SPACE	42
<div><div>SIZE</div><div>200A</div></div> <div><div>MAIN BKR.</div><div>MCB</div></div> <div><div>LOCATION</div><div>DRY STORAGE</div></div> <div><div>FED FROM</div><div>EXISTING PANEL A</div></div> <div><div>TYPE</div><div>FEEDERS</div></div> <div><div>4#3/0, 1#6G. IN 2" C.</div></div> <div><div>A.I.C.</div><div>22000</div></div> <div><div>MOUNTED</div><div>SURFACE</div></div>										<div><div>SIZE</div><div>200A</div></div> <div><div>MAIN BKR.</div><div>MCB</div></div> <div><div>LOCATION</div><div>DRY STORAGE</div></div> <div><div>FED FROM</div><div>EXISTING PANEL A</div></div> <div><div>TYPE</div><div>FEEDERS</div></div> <div><div>4#3/0, 1#6G. IN 2" C.</div></div> <div><div>A.I.C.</div><div>22000</div></div> <div><div>MOUNTED</div><div>SURFACE</div></div>									

GENERAL NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS FOR EXACT LOCATION OF LIGHT FIXTURES.
- REFER TO ARCHITECTUAL ELEVATIONS FOR EXACT LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT.
- WHERE MULTIPLE LIGHT SWITCHES ARE SHOWN TOGETHER ON FLOOR PLANS, THE SWITCHES SHALL BE GANGED TOGETHER WITH COMMON FACEPLATES.
- WHERE RECEPTACLE AND DATA OUTLETS ARE INSTALLED TOGETHER WITH DATA/TELEPHONE OUTLETS FOR CORDLESS PHONES AND TIME STAMP CLOCK, THE POWER AND DATA SHALL SHARE GANGED BOX WITH COMMON FACE PLATE WITH FULL METAL DIVIDER BETWEEN THE POWER SIDE AND THE DATA/TELEPHONE SIDE.
- MULTIPLE 20AMP, SINGLE POLE CIRCUITS SHARING A COMMON CONDUIT FOR EITHER LIGHT FIXTURES AND RECEPTACLES SHALL NOT SHARE COMMON NEUTRAL. EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL. A COMMON EQUIPMENT GROUND CONDUCTOR MAY BE USED FOR MULTIPLE CIRCUITS RUN IN A COMMON CONDUIT AND SHALL BE SIZED FOR THE LARGEST CIRCUIT IN THE CONDUIT.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12 AND 1#12 GROUND IN 3/4" CONDUIT UNLESS OTHERWISE NOTED OR AS REQUIRED TO ACCOMMODATE NECESSARY SWITCH LEGS AND VOLTAGE DROP.

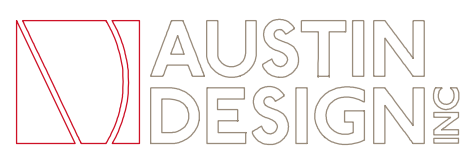
LEGEND NOTES:

- DEVICES AND EQUIPMENT SHOWN IN THE LEGEND ARE NOT NECESSARILY INCORPORATED IN THE PROJECT.
- ABBREVIATIONS LISTED ABOVE ARE NOT NECESSARILY USED FOR THIS PROJECT.
- DEVICES AND EQUIPMENT SHOWN WITH LIGHT LINEWEIGHT ARE EXISTING. DEVICES AND EQUIPMENT SHOWN WITH HEAVIER LINEWEIGHT ARE NEW UNLESS OTHERWISE NOTED.

LEGEND	
	MOTOR DAMPER
	DUPLEX RECEPTACLE
	GROUND FAULT RECEPTACLE
	WEATHER PROOF RECEPTACLE
	DUPLEX RECEPTACLE - ALTERNATE HEIGHT
	GROUND FAULT RECEPTACLE - ALTERNATE HEIGHT
	SPECIAL PURPOSE RECEPTACLE
	HEAT DETECTOR
	FIRE ALARM PULL BOX
	FIRE ALARM HORN/STROBE
	FIRE ALARM STROBE
	VOICE AND DATA OUTLETS
	CIRCUIT BREAKER
	FUSE
	FUSED DISCONNECT SWITCH
	MAIN CIRCUIT BREAKER PANELBOARD
	MAIN LUG ONLY PANELBOARD
	THROW - SINGLE
	OCCUPANCY SENSOR
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	MOTOR SWITCH W/THERMAL OVERLOAD
	PILOT LIGHT SWITCH
	INDUSTRIAL/STRIP FLUORESCENT
	WALL MOUNTED LIGHT FIXTURE
	WALL SINGLE EXIT
	DUAL HEAD EMERGENCY LIGHT
	FUSED DISCONNECT SWITCH
	RELAY
	MOTOR
	208/120 VOLT PANELBOARD
	JUNCTION BOX
	GROUND
	TRANSFER SWITCH
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	RELAY COIL

ABBREVIATIONS

A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C/B	CIRCUIT BREAKER
CATV	CABLE TV
CIR	CIRCUIT
CU	COPPER
CUH	CABINET UNIT HEATER
EF	EXHAUST FAN
ELTR	EXISTING LIGHTING TO REMAIN
EM	EMERGENCY
EPTR	EXISTING POWER TO REMAIN
ER	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
F	FUSED
FA	FIRE ALARM
FD	FIRE DAMPER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND
MAU	MAKE-UP AIR UNIT
MD	MOTORIZED DAMPER
MH	MANHOLE
MIC	MICROPHONE
NE	NEW LOCATION OF RELOCATED EXISTING EQUIPMENT OR DEVICE
NL	NIGHT LIGHT
P	POLE
PB	PULL BOX
PC	PERSONAL COMPUTER
RE	REMOVE EXISTING
RN	REPLACE EXISTING WITH NEW
RR	REMOVE AND RELOCATE
RTU	ROOF TOP UNIT
S&P	SPACE AND PROVISIONS
SD	SMOKE DAMPER
SP	SPARE
SPK	SPEAKER
T	TELEPHONE
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES INC
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
W	WATT
WG	WIREGUARD
WI	WIRE
WP	WEATHERPROOF
WS	WORKSTATION LOCATION



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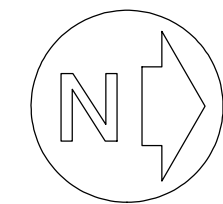
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Electrical Legend and
Schedules

Scale: NONE

Date: 09-01-2015

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