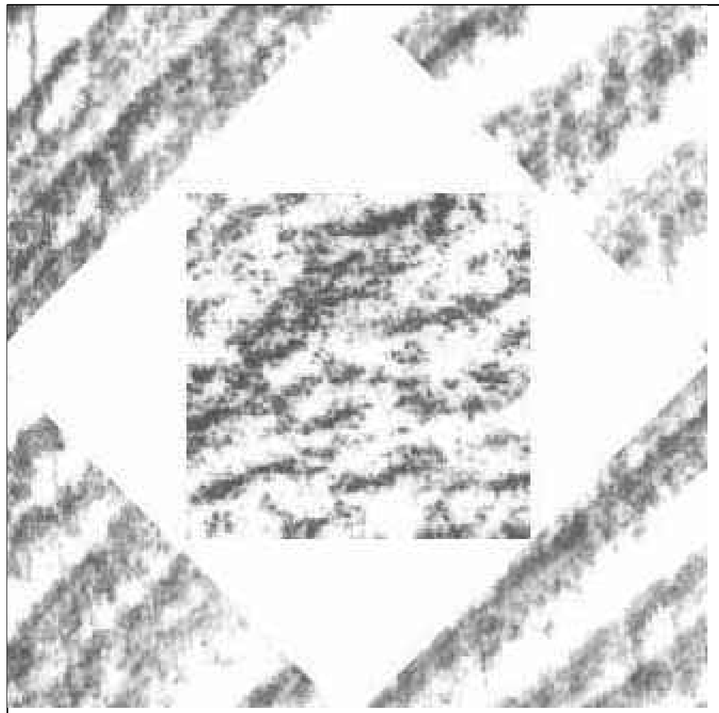
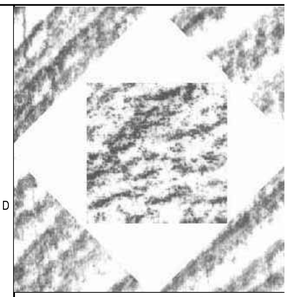


SNOW COLLEGE
CAFETERIA REMODEL

GREENWOOD CENTER

SNOW COLLEGE



HFSArchitects

ARCHITECTUR
INTERIOR
PLANNIN

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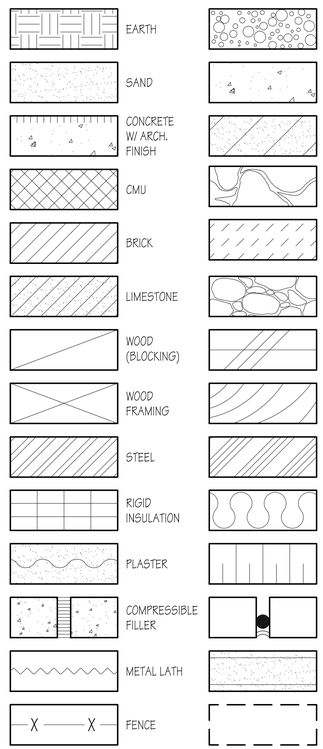
CONSULTANT

GENERAL ABBREVIATIONS

Act.	Accoustic Ceiling Tile	Galv	Galvanized	Q.T.	Quarry Tile
Alt.	Alternate	G.I.	Galvanized Iron	Rad.	Radius
Alum.	Aluminum	Ga.	Gauge	R.B.	Rubber Base
A.B.	Anchor Bolt	Gl.	Glass	R.W.L.	Rain Water Leader
&	And	Gr.	Grade	R.F.F.	Reference Finish Floor
Arch.	Architectural	Grd.	Ground	Refl.	Reflected
@	At or At The	Gyp. Bd.	Gypsum Board	Reinf.	Reinforcing
Bm.	Beam	GWB	Gypsum Waterproof Board	Req.	Required
Blk.	Block	H.D.P.E.	High Density Polyethylene	Ret.	Retaining
Blkg.	Blocking	HS#	Hardware Group #	Rev.	Revised
Bd.	Board	Hdwd.	Hardwood	R.	Riser
Bot.	Bottom	Ht.	Height	R.D.	Roof Drain
Bldg.	Building	H.P.	High Point	Rm.	Room
Cpt.	Carpet	Horiz.	Horizontal	R.O.	Rough Opening
Clkg.	Caulking	H.B.	Hose Bibb	Sched.	Schedule
C.I.	Cast Iron	H.M.	Hollow Metal	Seal.	Sealant
Clg.	Ceiling	Hr.	Hours (Fire Rating)	Sect.	Section
Cem.	Cement	In.	Inch	S.Sk.	Service Sink
Ctr.	Center	I.D.	Inside Diameter	Sht.	Sheet
C	Center Line	Insul.	Insulation	Sim.	Similar
Cer.	Ceramic	Int.	Interior	Slo/Slp.	Slope
C.T.	Ceramic Tile	I.E.	Invert Elevation	S.C.	Solid Core
Clr.	Clear (ance)	Inv.	Invert Elevation	Spec.	Specifications
Clo.	Closet	Jan.	Janitor	Sq.	Square
Col.	Column	Jt.	Joint	Std.	Standard
Conc.	Concrete	J-Box	Junction Box	Stl.	Steel
CMU	Concrete Masonry Unit	Kit.	Kitchen	Stor.	Storage
CMP	Corrugated Metal Pipe	Lam.	Laminate	Struct.	Structural/Structure
Conn.	Connection	Lav.	Lavatory	Sym.	Symmetrical
Constr.	Construction	Lt.	Light	T.B.R.	To be Removed
Cont.	Continue/Continuous	L.P.	Low Point	Tel.	Telephone
Contr.	Contractor	Matl.	Material	Temp.	Temporary/Tempered
C.J.	Control Joint	Mas.	Masonry	Thk.	Thick (ness)
Corr.	Corridor	Maint.	Maintenance	T & G	Tongue and Groove
Cntr.	Counter	Mfr.	Manufacturer	T/Conc	Top of Concrete
Csnk.	Countersunk	M.H.	Manhole	T/Curb	Top of Curb
Det.	Detail	M.O.	Masonry Opening	T.O. FTG.	Top of Footing
Dept.	Department	Max.	Maximum	T.O.P.	Top of Plate
Dia.	Diameter	Mech.	Mechanical	T/Wall	Top of Wall
Dim.	Dimension	Memb.	Membrane	T.	Tread
Dn.	Down	Men	Men's Toilet	Typ.	Typical
D.S.	Downspout	Mtl./Met.	Metal	Unf.	Unfinished
Dwg.	Drawing	Min.	Minimum	U.N.O.	Unless Noted Otherwise
D.F.	Drinking Fountain	Mir.	Mirror	Var.	Vary or Varies
E.	East	Misc.	Miscellaneous	Vert.	Vertical
Ea.	Each	Mtd.	Mounted	V.T.R.	Vent Through Roof
Elec.	Electric (al)	Mul.	Mullion	VCT	Vinyl Composition Tile
Elev./El.	Elevation	Nom.	Nominal	w/	With
Exist.	Existing	N.	North	W.A.S.	Welded Anchor Stud
Eq.	Equal	N.I.C.	Not In Contract	Wd.	Wood
Equip.	Equipment	N.T.S.	Not To Scale	Wp.	Waterproof
Exist.	Existing	No. or #	Number	Wsct.	Wainscot
Exp.	Expansion	Off.	Office	w/o	Without
Ext.	Exterior	O.C.	On Center	W.P.	Working Point
Fin.	Finish	Opng.	Opening	W.R.	Water Resistant
F.A.	Fire Alarm	Opp.	Opposite	W.I.	Wrought Iron
F.E.	Fire Extinguiser	Opp. H.	Opposite Hand		
F.E.C.	F.E. Cabinet	O.D.	Outside Diameter		
Flr./Fl.	Floor	O.R.D.	Overflow Roof Drain		
F.D.	Floor Drain				
F.O.S.	Face of Stud				
F.O.W.	Face of Wall				
Ftg.	Footing				
Fdn.	Foundation				
F.F.	Finish Floor				

1

MATERIALS LEGEND



2

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2009	National Electrical Code	2005
International Mechanical Code	2009	Uniform Code for Building Conservation	2009
International Plumbing Code	2009	Department of Justice ADA Standards for Accessible Design	ADA 2010
International Fire Code	2009		
International Energy Conservation Code	2009	ICC/ANSI A117.1-2003	

A. Occupancy and Group: B2 A3
Change in Use: Yes No Mixed Occupancy: Yes No
Special Use and Occupancy (e.g. High Rise, Covered Mall): NO
B. Seismic Design Category: N/A Design Wind Speed: N/A mph
C. Type of Construction (circle one):

I A	I B	II A	II B	III A	III B	IV HT	V A	V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: N/A South: N/A East: N/A West: N/A
E. Mixed Occupancies: NO Non-separated Uses: NO
F. Sprinklers:
Required: YES Provided: YES Type of Sprinkler System: WET
G. Number of Stories: 2 Building Height: 32 FT
H. Actual Area per Floor (square feet): Kitchen Floor=4,265 SF Dining Floor=2,321 SF
L. Design Occupant Load B2: 244 Design Occupant Load A3: 244
Exit With Require: N/A Exit With Require: 439
Exit With Provide: N/A Exit With Provide: 1035

3

PROJECT DIRECTORY

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ELECTRICAL ENGINEER
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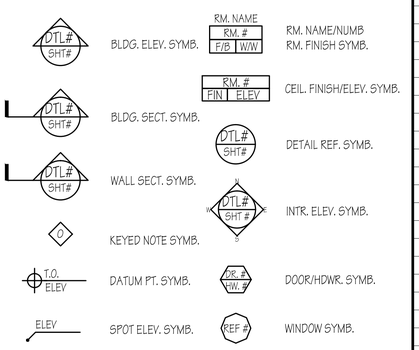
635 South State Street
Salt Lake City, Utah 84111
(801) 532-2196/FAX 532-2305

VICINITY MAP

GRAPHIC SYMBOLS



4

DRAWING INDEX

5

SNOW COLLEGE
CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 201
DFCM PROJECT NO:	1201270
HFSA PROJECT NO:	1205.0
CAD DWG FILE NO:	
DRAWN BY:	BI
CHECKED BY:	B
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

GENERAL INFO.
DRAWING INDEX
& LEGENDS

GI001

SHEET 1 OF 35

SPECIAL INSPECTION AND TESTING ITEMS
REQUIRED BY CHAPTER 17 OF THE 2009 IBC

Indicate items requiring special inspection or structural testing by checking the appropriate box. All items not requiring inspection/testing should be removed from the form. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases "periodic" inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. The "Detailed Instructions & Frequency" provides a description of the presumed requirements for tasks requiring "periodic" inspections. The design professional in responsible should revise the requirements as needed on a project-specific basis.

FABRICATORS (IBC 1704.2)

☐ Approved Fabricator	Yes	No	☐ Unapproved Fabricator	Yes	No

Fabricators Name:	
Fabricators plant location	

Required In-plant Inspections: ☐ Steel Construction ☐ Cold-formed Construction ☐ Concrete Construction ☐ Welding ☐ Wood Construction ☐ Other: _____

STEEL CONSTRUCTION (IBC 1704.3, 1707.2 & 1708.3)

Item			Detailed Instructions and Frequencies
WELDING (1704.3.1)			
Complete & partial penetration groove welds	☐ Continuous	☐ Periodic	
Multi-pass fillet welds	☐ Continuous	☐ Periodic	
Single-pass fillet welds > 5/16"	☐ Continuous	☐ Periodic	
Plug, slot, seam or flange welds	☐ Continuous	☐ Periodic	
Single-pass fillet welds ≤ 5/16"	☐ Continuous	☐ Periodic	Pre-welding inspections are to be performed to ensure that proper materials (i.e. structural steel, weld filler material, etc.), welding procedures, and welding personnel qualifications are appropriate. A visual inspection of all welds must be provided with periodic inspections made of work in progress.
Floor & roof deck welds	☐ Continuous	☐ Periodic	
Shear connector (i.e. stud) welds	☐ Continuous	☐ Periodic	
Cold-formed steel welds	☐ Continuous	☐ Periodic	
Welds of stairs & railing systems	☐ Continuous	☐ Periodic	
DETAILS OF STEEL FRAME (1704.3.2)			
Member locations, bracing, gusset plates, stiffeners and other connection components	☐ Continuous	☒ Periodic	All steel frames shall be inspected to verify compliance with the approved construction documents, such as bracing, stiffening, member size and location, and proper application of joint details at each connection.
HIGH-STRENGTH BOLTING (1704.3.3)			
Pretensioned & slip-critical joints	☐ Continuous	☐ Periodic ☐ #1 ☐ #2 ☐ #3	For periodic inspections one of the following methods must be used: (1) turn-of-nut method w/ match-marking, (2) direct tension indicator method or (3) the alternate design fastener (i.e. twist-off bolt) method (see Section 9.2 of 2009 RCSC Specification).
Snug-tightened joints	☐ Continuous	☐ Periodic	Verify that all joints use proper fastener components,

			connected elements are fabricated properly, the bolted joint is drawn into firm contact, and that the nuts cannot be removed without the use of a wrench (see Section 9.1 of 2009 RCSC Specification).
STRUCTURAL STEEL (IBC 1707.2 & 1708.3)			
Visual inspection prior to welding	☐ Continuous		
Visual inspection during welding	☐ Continuous		
Visual inspection after welding		☐ Periodic	Verify that welds are clean; welder identification is legible; size, length and location of welds; verify that welds meet acceptance criteria; placement of reinforcement fillets; removal of backing bars and weld tabs as required; and repair activities (see Section QS.1 of AISC 341-05).
Nondestructive testing	☐ Continuous		
Inspection prior to bolting	☐ Continuous		
Inspection during bolting	☐ Continuous		
Inspection after bolting		☐ Periodic	Document accepted and rejected connections (see Section QS.3 of AISC 341-05).
Reduced beam sections (RBS)		☐ Periodic	Verify contour and finish as well as dimensional tolerances (see Section QS.4 of AISC 341-05).
Protected zones		☐ Periodic	Verify that no holes or unapproved attachments are made within the protected zone (see Section QS.4 of AISC 341-05).

CONCRETE CONSTRUCTION (IBC 1704.4 & 1708.2)

Item			Detailed Instructions and Frequencies
Reinforcing steel, including prestressing tendons	☐ Continuous	☐ Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Welding of reinforcing steel	☐ Continuous	☐ Periodic	Verify weldability of reinforcing steel other than A706. Continuous inspection is required for welding of reinforcing steel used in intermediate or special concrete moment frames, boundary elements of special structural walls or shear reinforcement.
Cast-in bolts & embeds	☐ Continuous	☒ Periodic	
Post-installed anchors or dowels	☐ Continuous	☐ Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report.
Use of required mix design	☐ Continuous	☒ Periodic	Verify that all mixes used comply with the approved construction documents; AC 318: Ch. 4, 5.2-5.4; and IBC 1904.3, 1913.2, 1913.3.
Concrete sampling for strength tests, slump, air content, and temperature	☒ Continuous	☐ Periodic	
Concrete & shotcrete placement	☐ Continuous	☒ Periodic	
Curing temperature and techniques	☐ Continuous	☐ Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement.

			High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 5.11.3). The ambient temperature for shotcrete shall be > 40°F for the same period of time as noted for concrete. Shotcrete shall be kept continuously moist for at least 24 hours after shotcreting. All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
Pre-stressed concrete	☐ Continuous	☐ Periodic	
Erection of precast concrete	☐ Continuous	☐ Periodic	Verify that all precast elements are lifted, assembled and braced in accordance with the approved construction documents.
Strength verification	☐ Continuous	☐ Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms or the stressing of post-tensioned tendons.
Formwork	☐ Continuous	☐ Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.
Reinforcement in special moment frames, special structural walls and coupling beams	☐ Continuous	☐ Periodic	Verify that ASTM A 615 reinforcing steel used in these areas complies with ACI 318: 21.1.5.2 by means of certified mill test reports. If this reinforcing steel is to be welded chemical tests shall be performed in accordance with ACI 318: 3.5.2.

MASONRY CONSTRUCTION (IBC 1704.5)

Item			Detailed Instructions and Frequencies
Review material certificates, mix designs, test results and construction procedures	☐ Continuous	☐ Periodic	It shall be confirmed that materials used conform to the requirements of the approved construction documents. Mortar mix designs shall show compliance with the proportion or property specification of ASTM C270. Grout shall comply with the proportion or strength requirements of ASTM C476 or be based upon compressive strength tests in accordance with ASTM C1019. Material certificates shall be provided for the following: reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.
Verify f'_m and f_{vm} prior to construction	☐ Continuous	☐ Periodic	Determine the compressive strength for each wythe by the "unit strength method" or by the "prism test method" as specified in Section 1.4B of ACI 530.1-08 prior to construction. For Occupancy Category IV this should be verified at every 5,000ft² of construction.
Self-consolidating grout	☐ Continuous	☐ Periodic	
Grout placement	☐ Continuous	☐ Periodic	
Preparation of required grout specimens, mortar specimens and/or prisms shall be observed	☐ Continuous	☐ Periodic	If the prism test method is used a minimum of three prisms shall be constructed in accordance with ASTM C1314. If the unit strength method is selected the

			compressive strength of the grout shall be determined per ASTM C1019 (not required if grout complies with ASTM C476). Continuous inspection required for Occupancy Category IV structures.
Post-installed anchors or dowels	☐ Continuous	☐ Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report.
PRIOR TO GROUTING:			
Grout space is clean	☐ Continuous	☐ Periodic	Verify that grout space is free of mortar droppings, debris, loose aggregate, and material deleterious to masonry grout. Continuous inspection required for Occupancy Category IV structures.
Placement of reinforcement an connectors, and prestressing tendons and anchorages	☐ Continuous	☐ Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with Section 3.4 of ACI 530.1-08.
Proportions of site-prepared grout and prestressing grout	☐ Continuous	☐ Periodic	Verify that grout is proportioned per ASTM C476 and has a slump between 8-11 inches. Self-consolidated grout shall not be proportioned onsite.
AS MASONRY CONSTRUCTION BEGINS:			
Proportions of site-prepared mortar	☐ Continuous	☐ Periodic	Ensure that mortar that begins to stiffen or is not used within 2½ hours is discarded. No admixtures containing > 0.2% chlorides shall be used. Jobsite pigments shall meet the limitations of Section 2.6A of ACI 530.1-08.
Construction of mortar joints	☐ Continuous	☐ Periodic	Unless specified otherwise construct 3/8" bed and head joints, except at foundation or glass unit masonry. Bed joint at foundation shall be >1/4" and < 3/4". Tool joints with a round jointer when mortar is thumbprint hard. Remove masonry protrusions extending ≥ 1/2" into cells to be grouted. Solidly fill collar joints < 3/4" with mortar during construction.
Location of reinforcement, connectors, prestressing tendons and anchorages	☐ Continuous	☐ Periodic	Verify compliance with approved construction documents. Do not place dissimilar metals in contact with each other. Prestressing tendon placement shall conform to Section 3.6A of ACI 530.1-08.
Prestressing technique	☐ Continuous	☐ Periodic	The pre-stressing force at each tendon shall be verified by two methods: (1) measuring the steel elongation and (2) the observed jacking force applied to the tendon. The measured elongation should be compared to the load-elongation curves for the pre-stressing steel used and not more than a 5% difference should be found when comparing to the actual force applied. A 7% difference is allowed for post-tensioned tendons. (See Section 3.6B of ACI 530.1-08)
Grade and size of prestressing tendons and anchorages	☐ Continuous	☐ Periodic	Confirm that anchorages and couplers are capable of developing 95% of the specified breaking strength of the prestressing tendons. Confirm that tendons meet the requirements of Section 2.4B in ACI 530.1-08.
DURING CONSTRUCTION:			
Size and location of structural elements	☐ Continuous	☐ Periodic	Verify that structural elements are placed in locations specified on the approved construction documents and to the tolerances noted in Section 3.3F of ACI 530.1-08.

Type, size and location of anchors and other details of masonry anchorages to structural members	☐ Continuous	☐ Periodic	Verify that structural elements are placed in locations specified on the approved construction documents. Headed or bent bar anchor bolts shall be embedded in grout. Continuous inspection required for Occupancy Category IV structures.
Size, grade and type of reinforcement, prestressing tendons and metal accessories	☐ Continuous	☐ Periodic	Verify that materials meet the requirements of Section 2.4 of ACI 530.1-08. All reinforcement shall be placed in grout with minimum grout cover of 1/2" for coarse grout and 1/4" for fine grout. Verify that reinforcement protection, standard hooks and minimum bend diameters comply with Section 1.15 of ACI 530-08.
Welding of reinforcing bars	☐ Continuous	☐ Periodic	
Preparation, construction and protection of masonry during cold or hot weather construction	☐ Continuous	☐ Periodic	When the ambient air temperature is <40°F ensure that construction complies with Section 1.8C of ACI 530.1-08. When the ambient air temperature is >100°F, or >90°F with a wind velocity >8mph, ensure that construction complies with Section 1.8D of ACI 530.1-08.
Application and measurement of prestressing force	☐ Continuous	☐ Periodic	

MISCELLANEOUS AREAS — Detailed Instructions and Frequencies

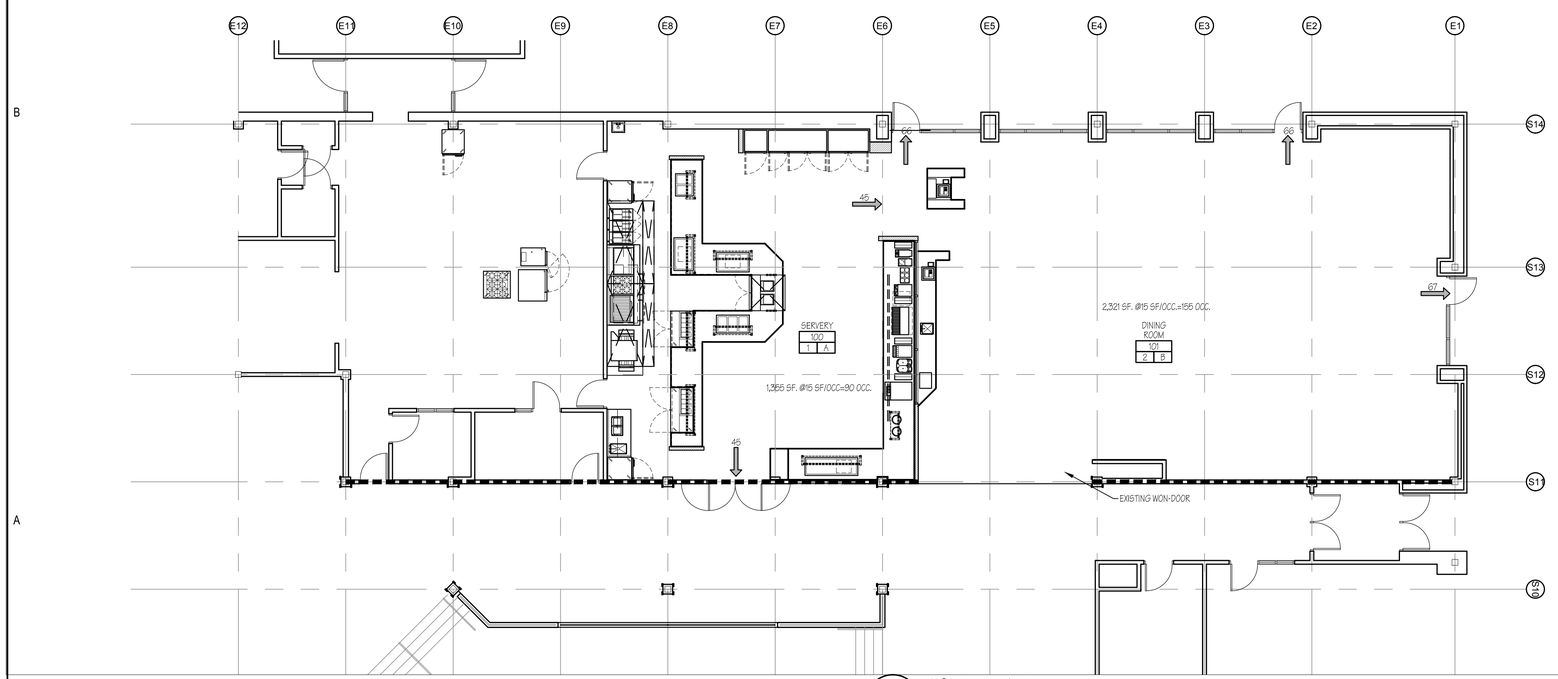
These inspections are recommended by the Architect/Engineer and approved by DFCM.

Suspended Ceiling Grid Clips	☐ Continuous	☒ Periodic	Performed by code inspection firm.
Suspended Ceiling wire spacing (Seismic)	☐ Continuous	☒ Periodic	Performed by code inspection firm.
Seismic supports for cable trays and lights	☐ Continuous	☒ Periodic	Performed by code inspector.

Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hours of performing inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the approved construction documents and applicable codes (see IBC 1704.1.2).

Updated May 16, 2011



A3 CODE PLAN
1/8"=1'-0"

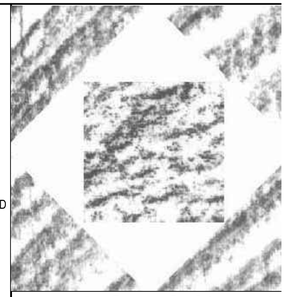
EXISTING PARTITION LEGEND

EXISTING WALL TO REMAIN, TYPICAL

EXISTING 1 HR. WALL

DEFERRED SUBMITTALS

1.	FIRE SPRINKLER SYSTEMS	JUNE 2012
2.	FIRE ALARM SYSTEMS	JUNE 2012
3.	SEISMIC RESTRAINT FOR HVAC	JUNE 2012
4.	SEISMIC RESTRAINT FOR PLUMBING	JUNE 2012
5.	SEISMIC RESTRAINT FOR ELECTRICAL	JUNE 2012
6.	SIGNAGE	JUNE 2012



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Salt Lake City, Utah 8411
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www.hfsa.co

CONSULTANT

SNOW COLLEGE
CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

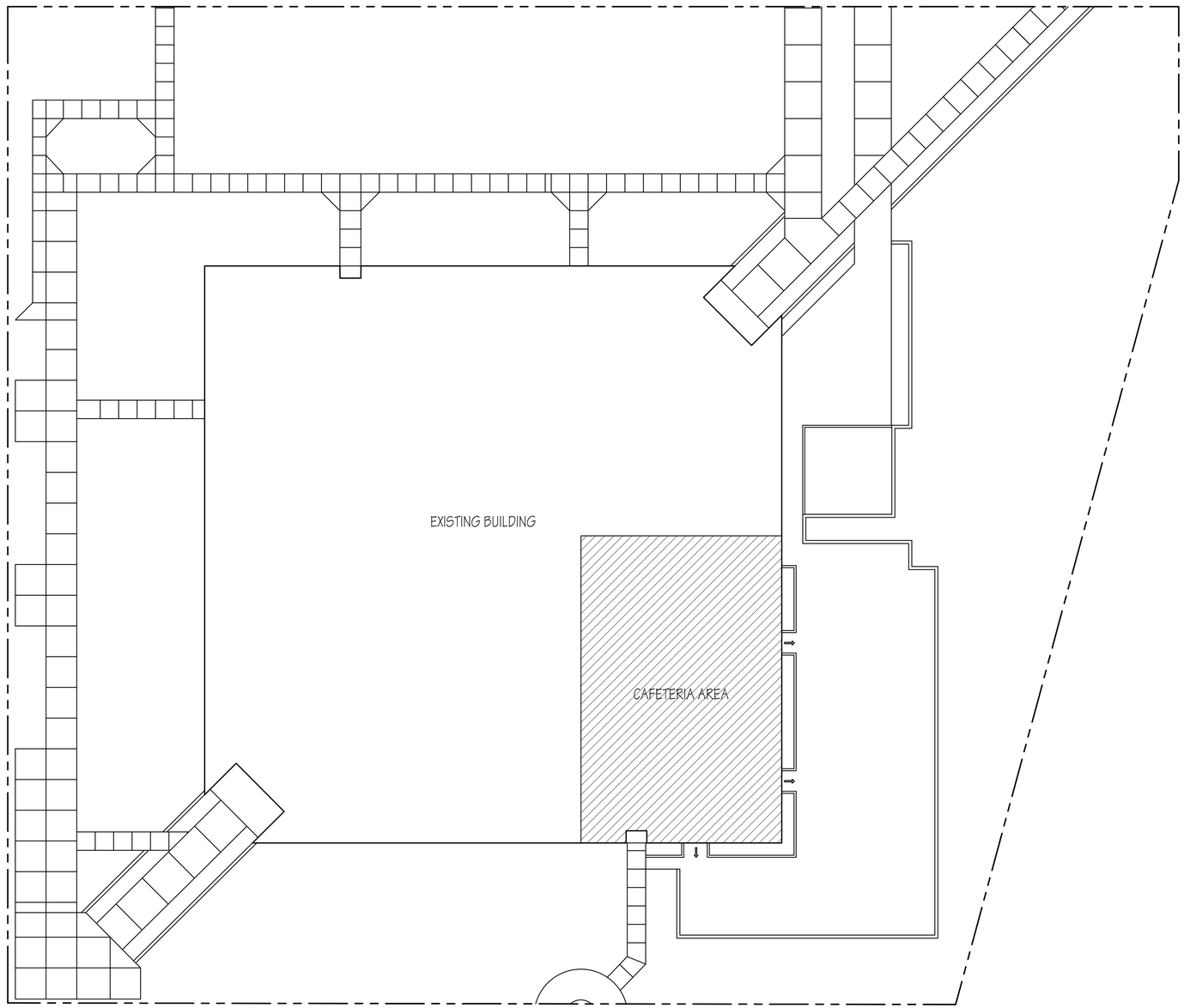
DATE:	APRIL 23, 201
DFCM PROJECT NO:	1201270
HFSA PROJECT NO:	1205.0
CAD DWG FILE NO:	
DRAWN BY:	BI
CHECKED BY:	B
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

CODE PLAN, DEFERRED SUBMITTA & SPECIAL INSPECTIO

GI002

SHEET 2 OF 35



A1 SITE PLAN
1"=20'

N

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CONSULTANT

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DATE:	APRIL 23, 201
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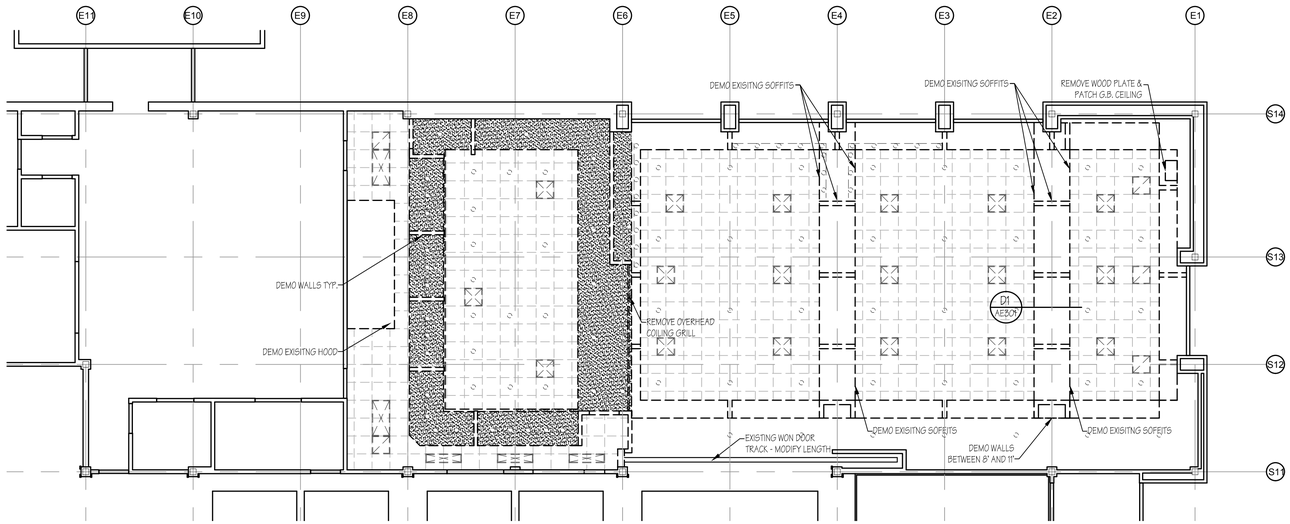
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

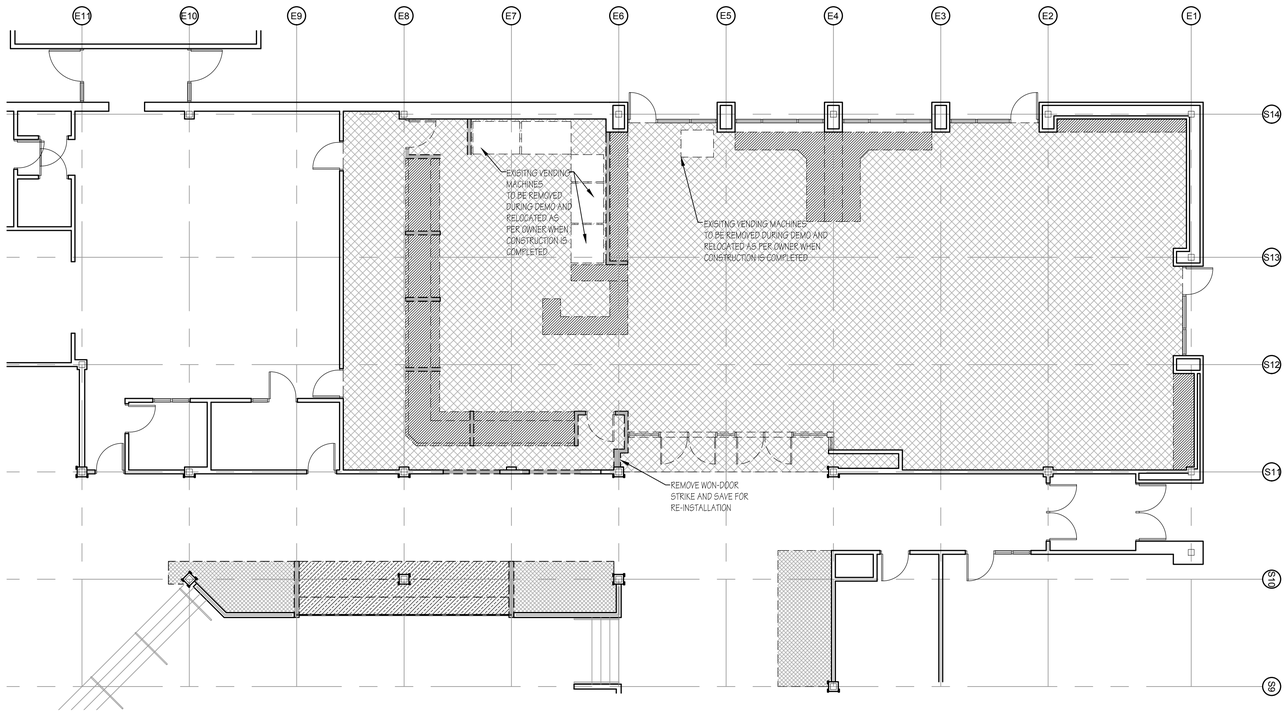
SITE PLAN

AS101

SHEET 3 OF 35



A2 DEMO REFLECTED CEILING PLAN
1/8"=1'-0"



A1 DEMO FLOOR PLAN
1/8"=1'-0"

DEMOLITION LEGEND

- EXISTING WALLS TO BE DEMOLISHED, TYPICAL
- EXISTING HOLLOW METAL FRAME, WOOD DOOR & HARDWARE TO BE DEMOLISHED, TYPICAL. TURN HARDWARE OVER TO OWNER
- EXISTING ALUMINUM DOOR/SIDELITE FRAME, WOOD DOOR & HARDWARE TO BE DEMOLISHED, TYPICAL. TURN HARDWARE OVER TO OWNER
- EXISTING CASEWORK TO BE DEMOLISHED, TYPICAL
- REMOVE EXISTING PAVER TILE AND METAL STRIP
- REMOVE PLYWOOD OVERBUILD COMPLETE
- EXISTING SUSPENDED CEILING PANEL & GRID TO BE DEMOLISHED, TYPICAL
- EXISTING 5/8" GYP. BD. CEILING TO BE DEMOLISHED, TYPICAL
- EXISITNG LIGHT FIXTURES TO BE DEMOLISHED, TYPICAL
- EXISTING CAN LIGHT FIXTURES TO BE DEMOLISHED, TYPICAL
- EXISTING MECHANICAL SUPPLY GRILLE TO BE DEMOLISHED, TYPICAL
- EXISTING RETURN GRILLE TO BE DEMOLISHED, TYPICAL
- EXISTING ACCENT LIGHT FIXTURE TO BE DEMOLISHED

GENERAL NOTES

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4. 72-HOUR NOTICE IS REQUIRED FOR ANY UTILITY SHUT DOWN.

5. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION & COORDINATE.

6. ALL FLOORING TRANSITIONS TO OCCUR BENEATH CENTER OF DOOR.

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SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

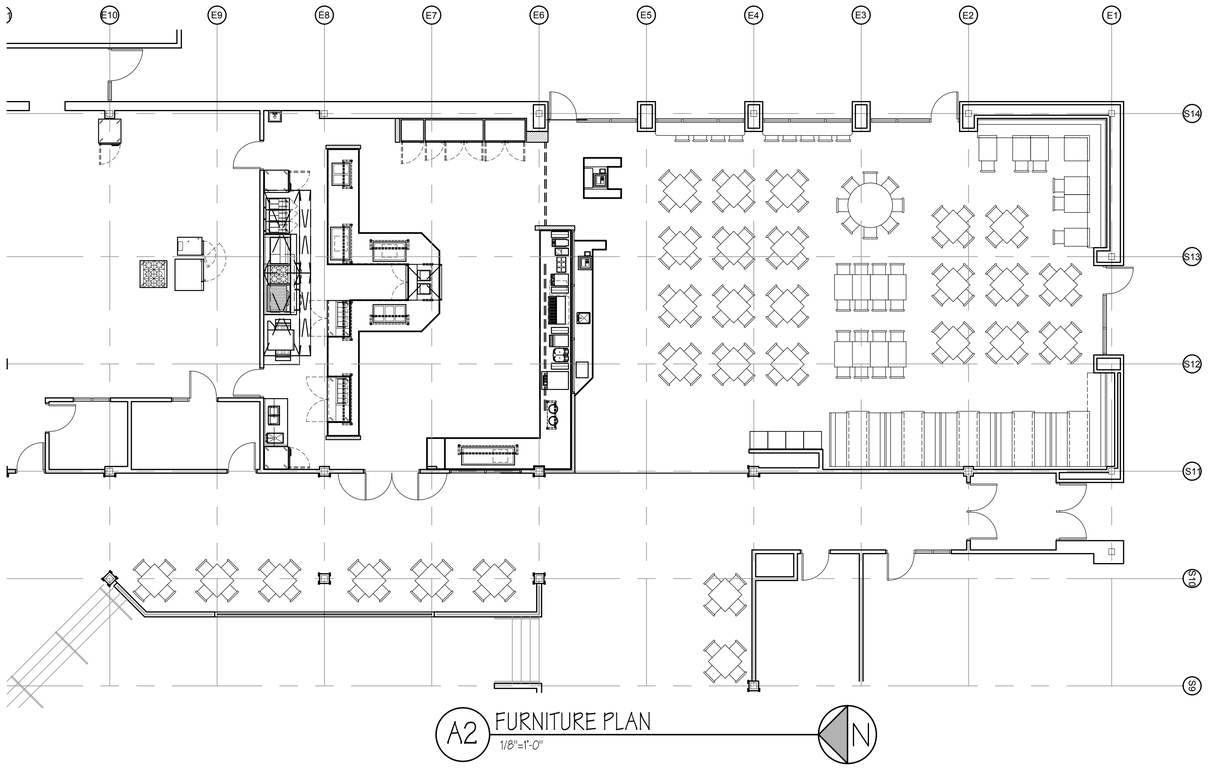
DATE:	APRIL 23, 201
DFCM PROJECT NO:	1201270
HFSA PROJECT NO:	1205.0
CAD DWG FILE NO:	
DRAWN BY:	BI
CHECKED BY:	B
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

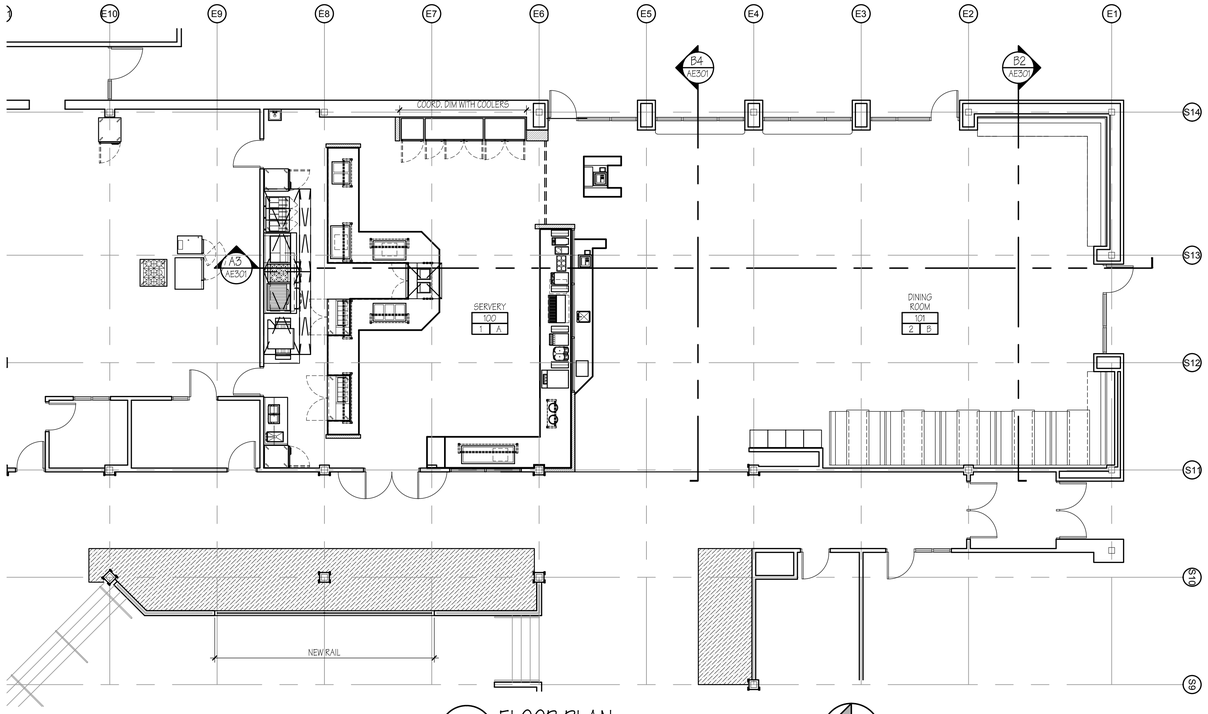
DEMO FLOOR PLAN
DEMO REFLECTED CEILING PLAN

AD101

SHEET 4 OF 35



A2 FURNITURE PLAN
1/8"=1'-0"



A1 FLOOR PLAN
1/8"=1'-0"

PARTITION LEGEND

EXISTING WALL TO REMAIN, TYPICAL

NEW 3-5/8" METAL STUD @ 16" O.C. W/ 1/2" GYPSUM BOARD & 5/8" GYPSUM BOARD BOTH SIDES WALL INFILL, TYPICAL

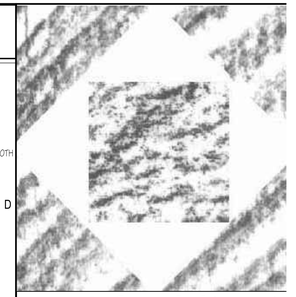
NEW PAVER TILE

FINISH LEGEND

ROOM NAME
RM NUM
FLOOR / BASE — F | W — WALL / WAINSCOT

1. PORCELAIN PAVER FLOOR TILE & BASE
2. EXISTING TO REMAIN - BASE BID; PORCELAIN PAVER FLOOR TILE & BASE - ALTERNATE #1

A. 3X6 SUBWAY CERAMIC TILE FULL HEIGHT
B. PAINTED GYPSUM BOARD



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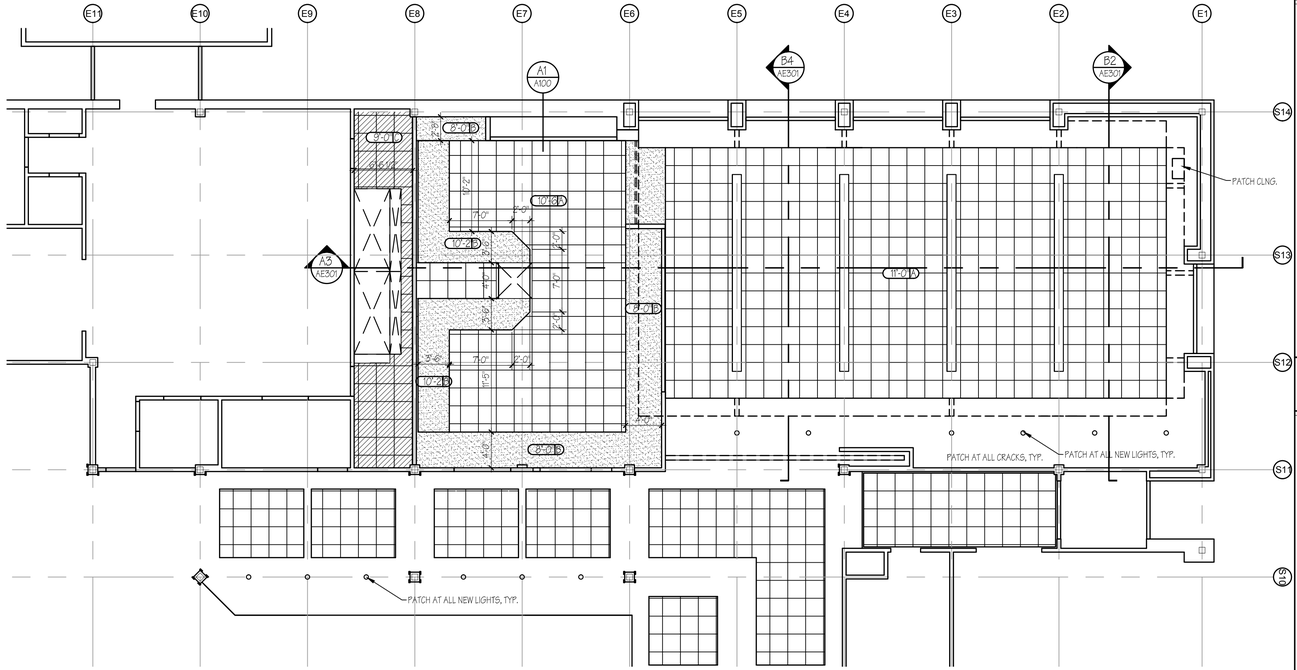
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

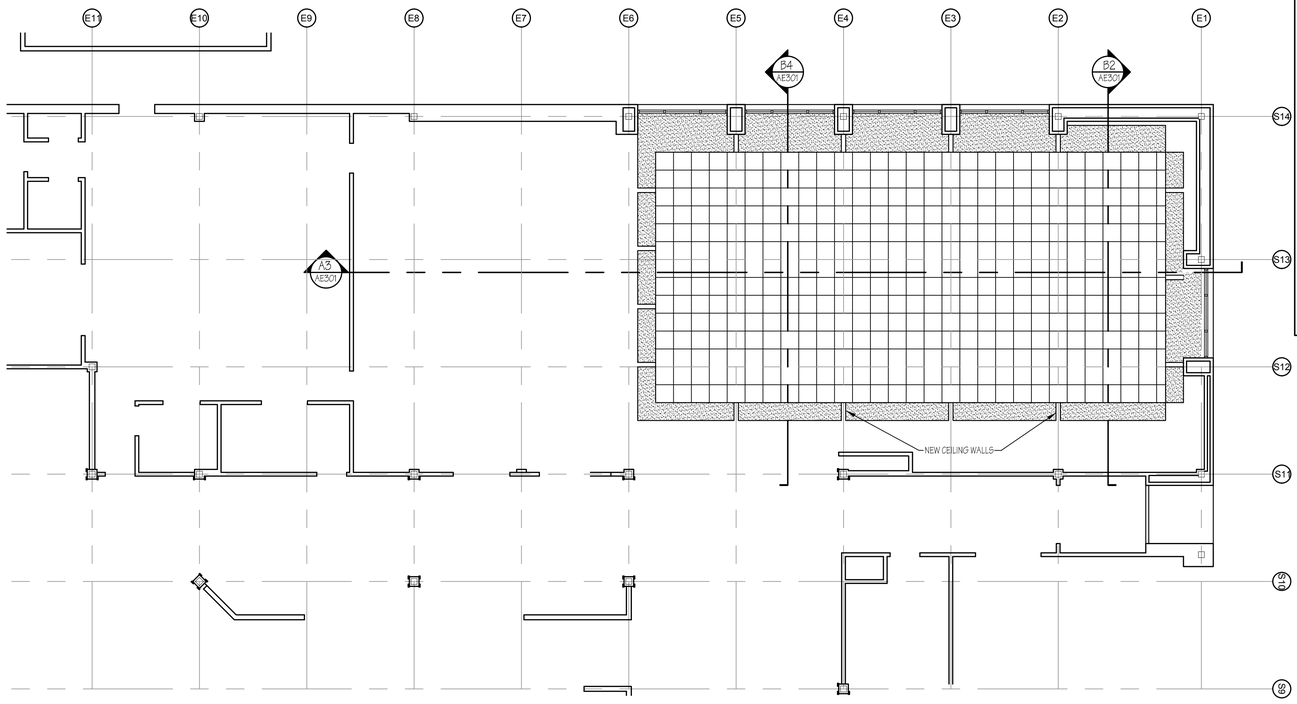
FLOOR PLAN FURNITURE LAYOUT PLAN

AE101

SHEET 5 OF 35



A2 REFLECTED CEILING PLAN
1/8"=1'-0"



A1 UPPER REFLECTED PLAN
1/8"=1'-0"

CEILING PLAN LEGEND

- NEW 2X2 LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS
- NEW CAN DOWN LIGHT FIXTURES, SEE ELECTRICAL DRAWINGS
- NEW MECHANICAL SUPPLY GRILLE, SEE MECHANICAL DRAWINGS
- NEW RETURN GRILLE, SEE MECHANICAL DRAWINGS

- A. NEW 2X2 SUSPENDED CEILING GRID & ACOUSTICAL PANELS
- B. NEW PAINTED GYPSUM BOARD SOFFIT
- C. NEW 2X2 SUSPENDED CEILING GRID & VINYL FACED ACOUSTICAL PANELS

PARTITION LEGEND

- EXISTING WALL TO REMAIN, TYPICAL
- NEW 3-5/8" METAL STUD @ 16" O.C. W/ 1/2" GYPSUM BOARD & 5/8" GYPSUM BOARD BOTH SIDES WALL INFILL, TYPICAL
- NEW PAVER TILE

GENERAL NOTES

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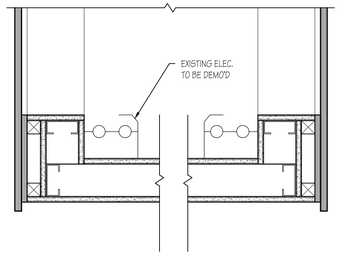
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

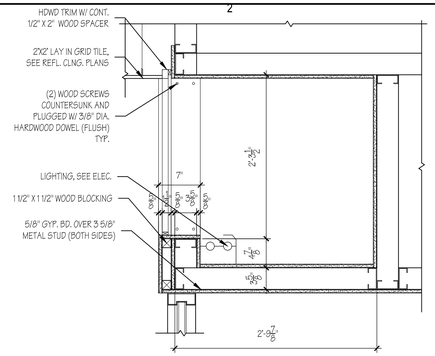
REFLECTED CEILING PLAN

AE111

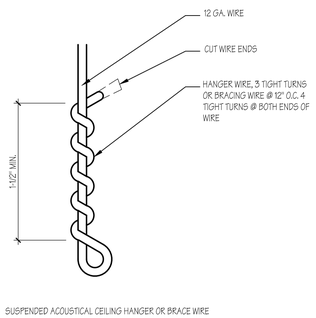
SHEET 6 OF 35



D1 DEMO REFLECTED CEILING DETAIL
1 1/2"=1'-0"

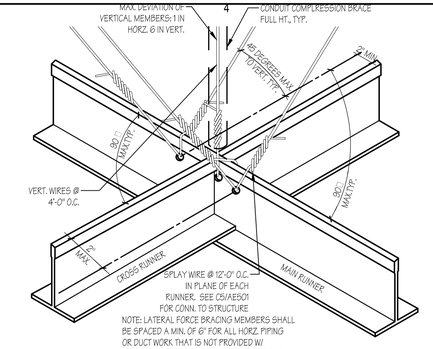


D2 SECTION DETAIL
1"=1'-0"

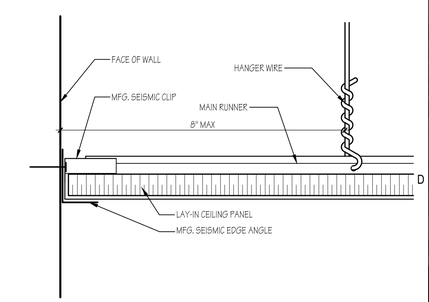


SUSPENDED ACOUSTICAL CEILING HANGER OR BRACE WIRE

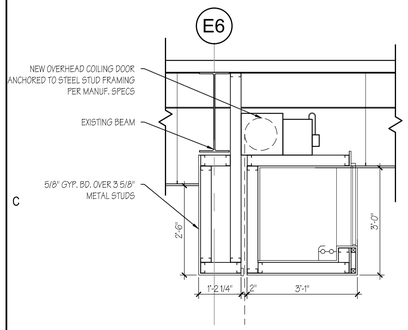
D3 TYPICAL CEILING DETAIL
1'-0"=1'-0"



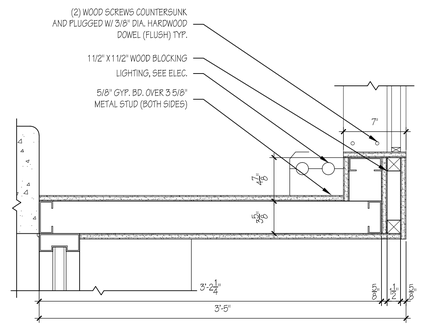
D4 TYPICAL CEILING DETAIL
N.T.S.



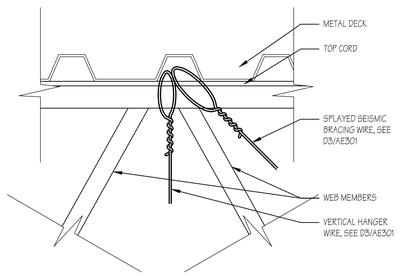
D5 TYPICAL CEILING DETAIL
6"=1'-0"



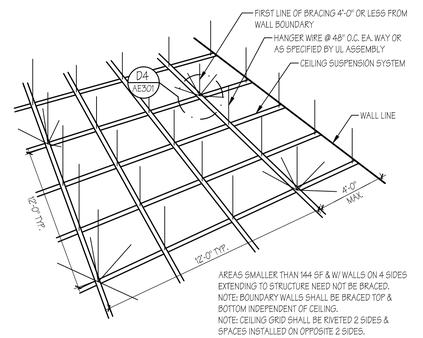
C1 COILING DOOR SECTION
1/2"=1'-0"



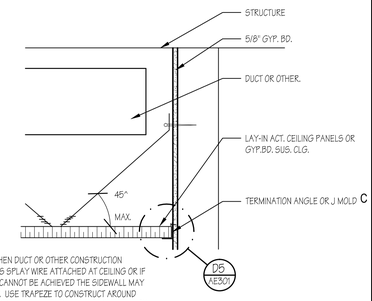
C2 SECTION DETAIL
1 1/2"=1'-0"



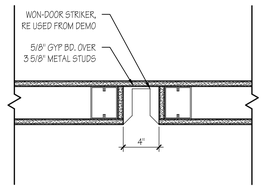
C3 TYPICAL CEILING DETAIL
3"=1'-0":



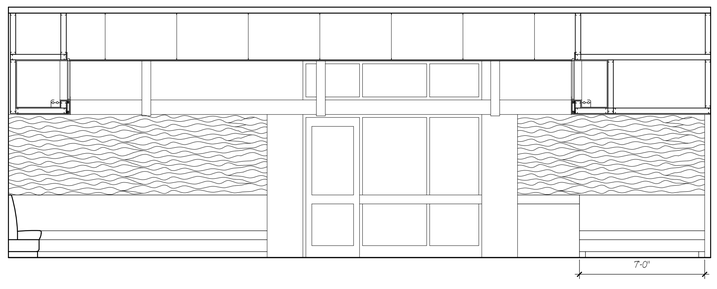
C4 TYPICAL CEILING DETAIL
N.T.S.



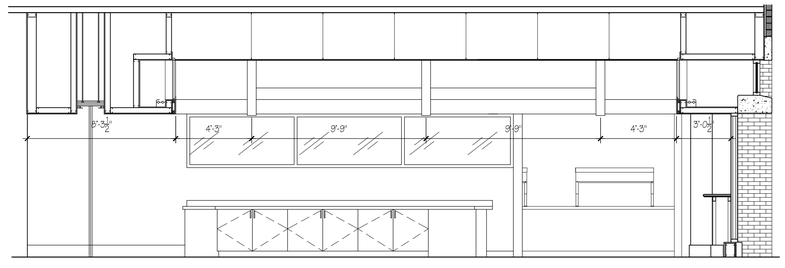
C5 TYPICAL CEILING DETAIL
3"=1'-0"



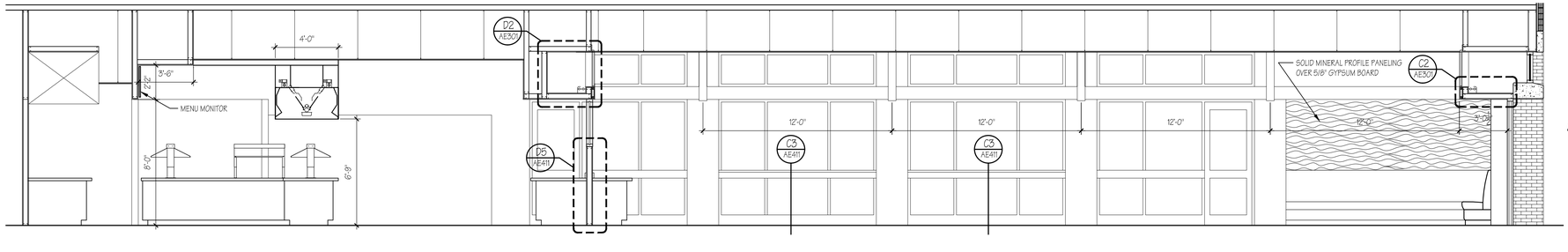
B1 WON DOOR STRIKER JAMB DETAIL
1 1/2"=1'-0"



B2 CROSS SECTION
1/4"=1'-0"



B4 CROSS SECTION
1/4"=1'-0"



A3 CROSS SECTION
1/4"=1'-0"

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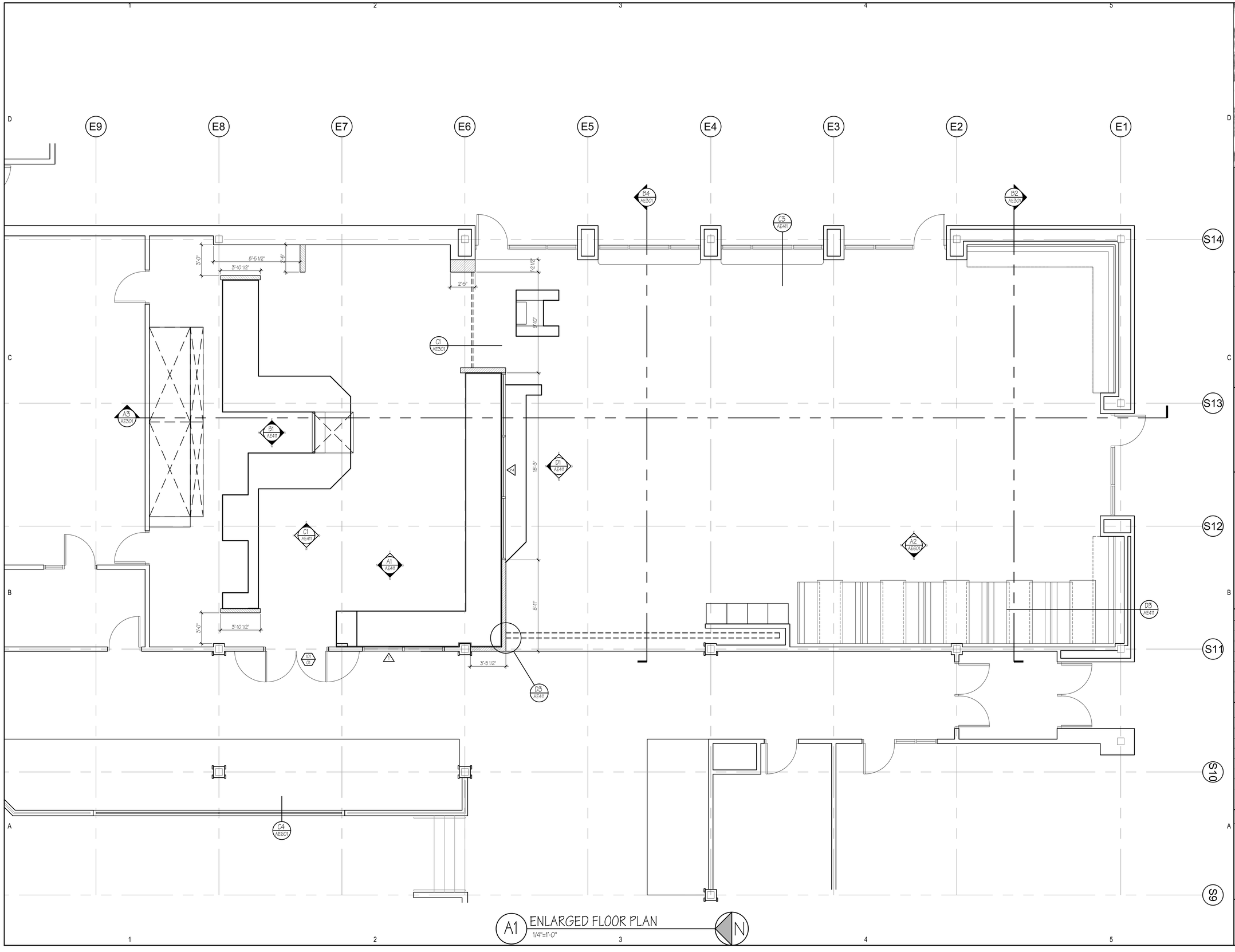
CHECKED BY:	B
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

SECTIONS AND
CEILING DETAILS

AE301

SHEET 7 OF 35



A1 ENLARGED FLOOR PLAN
1/4"=1'-0"

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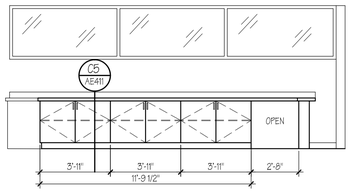
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

ENLARGED FLOOR PLAN

AE401

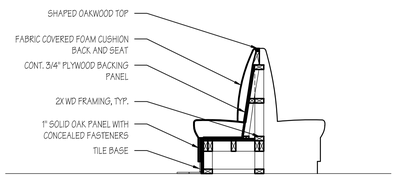
SHEET 8 OF 35

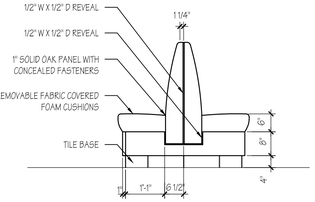


NORTH ELEVATION

D1 CASEWORK ELEVATIONS

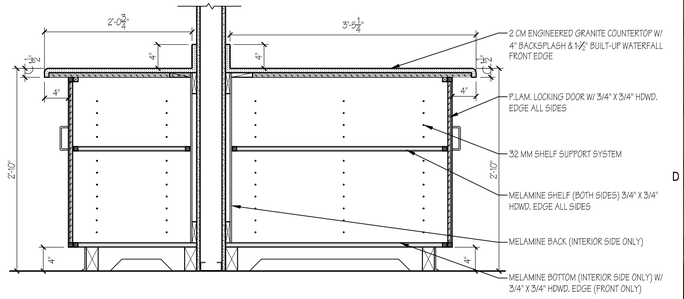
1/4"=1'-0"





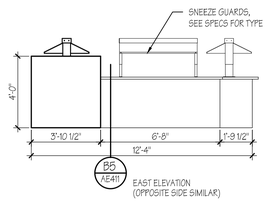
D3 BOOTH SEATING SECTION

1/2"=1'-0"



D5 CASEWORK SECTION

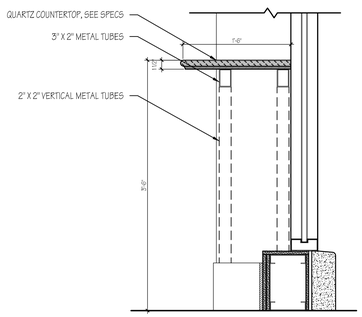
1"=1'-0"



EAST ELEVATION
(OPPOSITE SIDE SIMILAR)

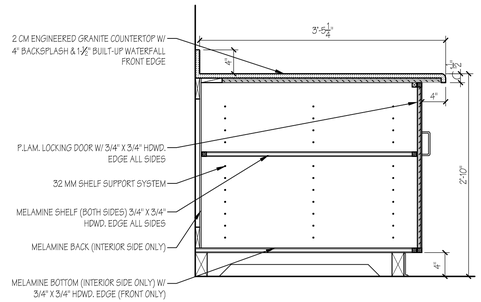
C1 CASEWORK ELEVATIONS

1/4"=1'-0"



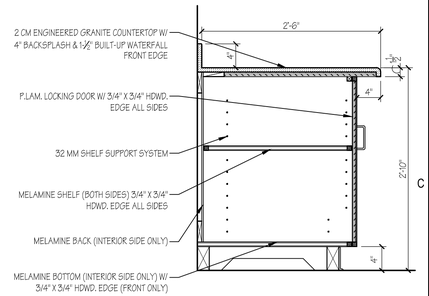
C3 CASEWORK SECTION

1"=1'-0"



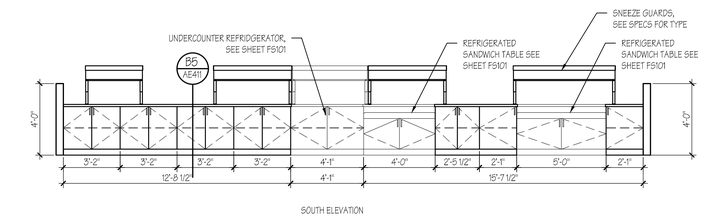
C4 CASEWORK SECTION

1"=1'-0"

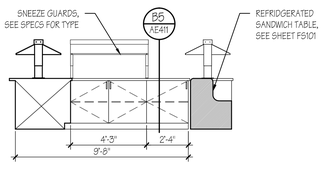


C5 CASEWORK SECTION

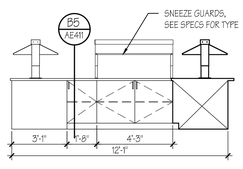
1"=1'-0"



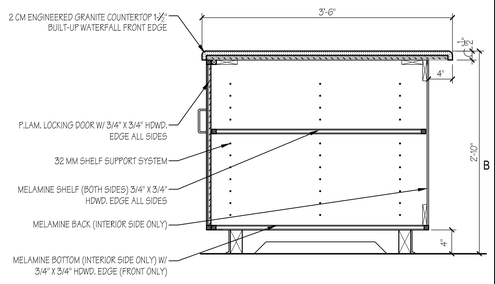
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION

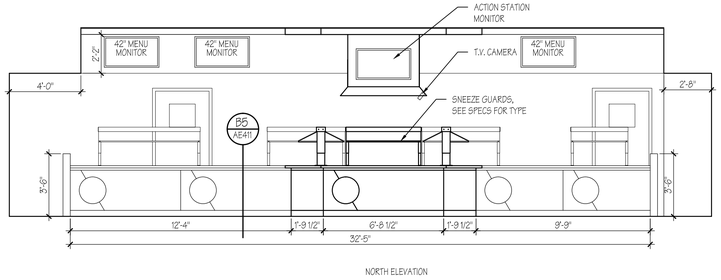


B1 CASEWORK ELEVATIONS

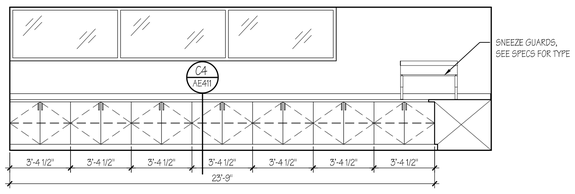
1/4"=1'-0"

B5 CASEWORK SECTION

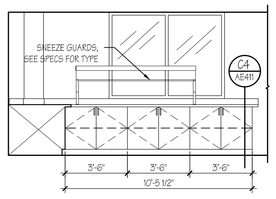
1"=1'-0"



NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION

A1 CASEWORK ELEVATIONS

1/4"=1'-0"

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SHEET TITLE

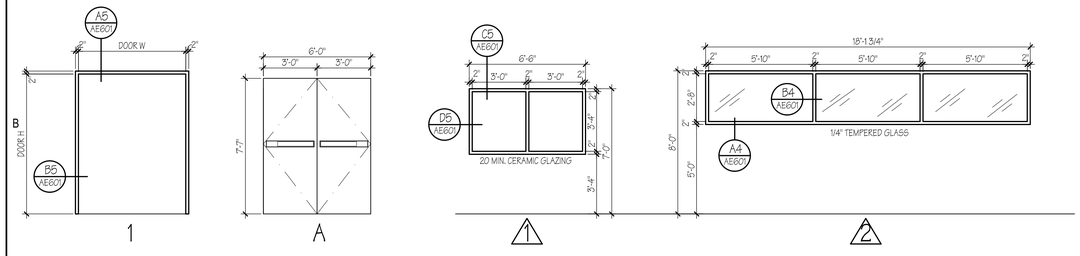
CASEWORK ELEV.

AE411

SHEET 9 OF 35

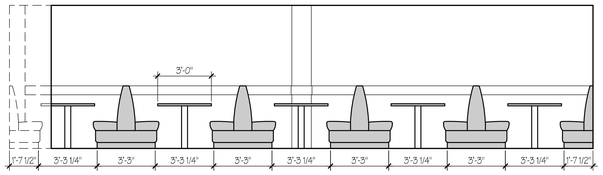
DOOR SCHEDULE

DOOR NUMB.	DOOR						FRAME						
	TYPE	MATERIAL	FINISH	DOOR SIZE			TYPE	MATERIAL	FINISH	UL LABEL	DETAILS		
				W	H	T					H		T
101	A	SCWD	PRE.FIN.	PR. 3'-0"	7'-0"	1-3/4"	1	H.M.	PAINTED	20 MIN.	A5/AE601	B5/AE601	--



B1 DOOR AND FRAME TYPES
1/4"=1'-0"

B2 WINDOW TYPES
1/4"=1'-0"



A2 BOOTH SEATING ELEVATION
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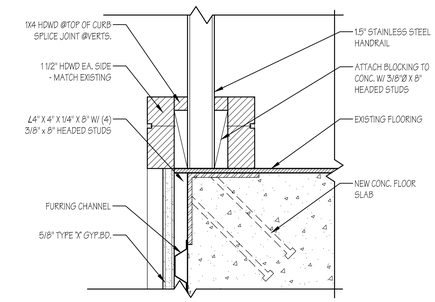
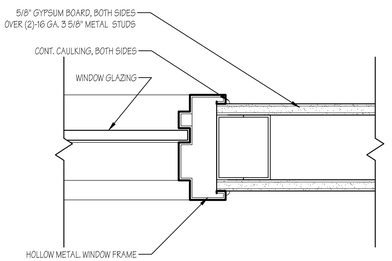
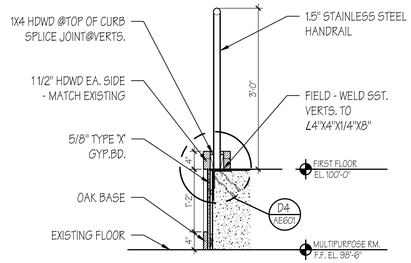


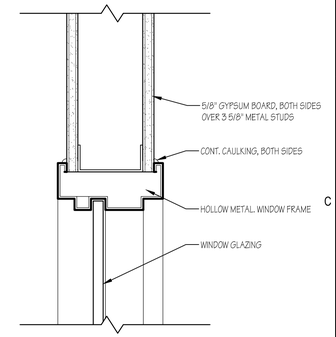
D4 HANDRAIL DETAIL
3"=1'-0"



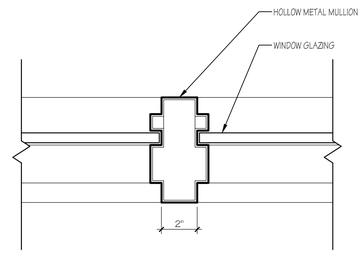
D5 WINDOW JAMB DETAIL
3"=1'-0"



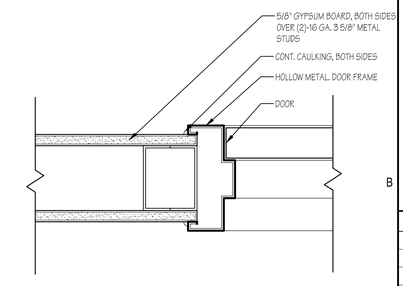
C4 HANDRAIL DETAIL
3/4"=1'-0"



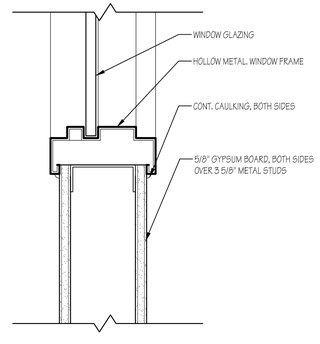
C5 WINDOW HEAD DETAIL
3"=1'-0"



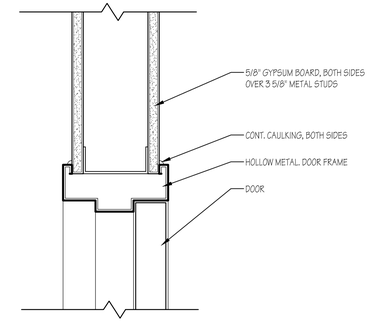
B4 WINDOW SILL DETAIL
3"=1'-0"



B5 DOOR JAMB DETAIL
3"=1'-0"



A4 WINDOW SILL DETAIL
3"=1'-0"



A5 DOOR HEAD DETAIL
3"=1'-0"

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SNOW COLLEGE
CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 201
DFCM PROJECT NO:	1201270
HFSA PROJECT NO:	1205.0
CAD DWG FILE NO:	
DRAWN BY:	BI
CHECKED BY:	B
DESIGNED BY:	B
DWG TYPE:	ARCHITECTURA
ARCHITECTURAL PHASE:	CONSTRUCTION DRAWING

SHEET TITLE

DOOR SCHEDULE AND DETAILS

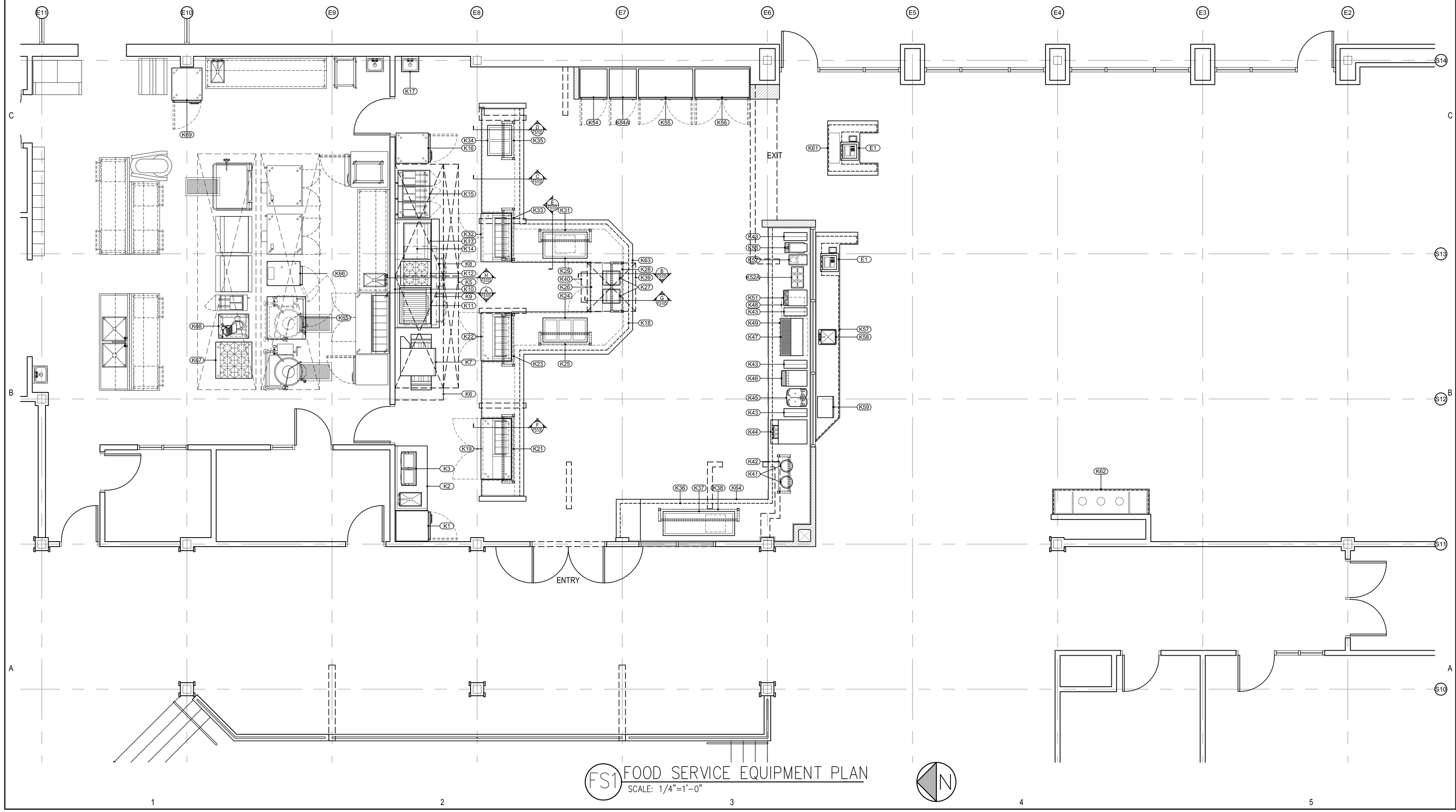
AE601

SHEET 10 OF 35

SCHEDULE: FOOD SERVICE EQUIPMENT

ITEM	QTY	UNIT	DESCRIPTION
#K-1	1	EACH	FOOD WARMING CABINET: SINGLE SECTION. EXISTING TO BE RE-USED
#K-2	1	EACH	STAINLESS STEEL UTILITY COUNTER: EXISTING TO BE RE-USED
#K-3	1	EACH	DOUBLE PANINI GRILL
#K-4	-	-	SPARE NUMBER
#K-5	1	EACH	STAINLESS STEEL EXHAUST HOOD
#K-6	1	SYS	FIRE PROTECTION SYSTEM
#K-7	1	EACH	STACKED PIZZA OVEN: EXISTING TO BE RE-USED, GAS
#K-8	1	EACH	STAINLESS STEEL GRILL STAND CABINET
#K-9	1	EACH	REFRIGERATED GRILL STAND BASE
#K-10	-	-	SPARE NUMBER
#K-11	1	EACH	OPEN FACE BROILER: EXISTING TO BE RE-USED, GAS
#K-12	1	EACH	FOUR BURNER HOT PLATE: GAS
#K-13	1	EACH	FLAT TOP GRIDDLE: EXISTING TO BE RE-USED, GAS
#K-14	1	EACH	WALL MOUNT SALAMANDER BROILER: GAS
#K-15	1	EACH	FRYER SYSTEM: THREE POT EXTRACTOR, GAS
#K-16	1	EACH	REACH-IN FREEZER: SINGLE SECTION. EXISTING TO BE RE-USED
#K-17	1	EACH	WALL MOUNT HAND SINK: EXISTING TO BE RE-USED
#K-18	1	LOT	STAINLESS STEEL SERVING COUNTER BASE CABINET
#K-19	1	EACH	REFRIGERATED SANDWICH TABLE: 60"W, EXISTING TO BE RE-USED
#K-20	-	-	SPARE NUMBER
#K-21	1	EACH	SERVE BREATH PROTECTOR SERVING SHELF
#K-22	1	EACH	REFRIGERATED SANDWICH TABLE: 48"W
#K-23	1	EACH	SERVE BREATH GUARD SERVING SHELF
#K-24	1	EACH	DROP-IN HOT FOOD WARMER: THREE PAN, EXISTING TO BE RE-USED
#K-25	1	EACH	SELF SERVE BREATH PROTECTOR
#K-26	1	EACH	UNDERCOUNTER REFRIGERATOR: EXISTING TO BE RE-USED
#K-27	2	EACH	COUNTER TOP INDUCTION BURNERS
#K-28	1	EACH	SERVE BREATH PROTECTOR
#K-29	1	EACH	DROP-IN REFRIGERATED COLD PAN
#K-30	-	-	SPARE NUMBER
#K-31	1	EACH	SELF SERVE BREATH PROTECTOR SERVING SHELF
#K-32	1	EACH	REFRIGERATED SANDWICH TABLE: 48"W
#K-33	1	EACH	SERVE BREATH PROTECTOR SERVING SHELF
#K-34	1	EACH	DROP-IN HOT FOOD WARMER: TWO PAN, EXISTING TO BE RE-USED
#K-35	1	EACH	SELF SERVE BREATH PROTECTOR
#K-36	1	EACH	SALAD BAR/BEVERAGE SERVING COUNTER BASE CABINET: PROVIDED BY MILLWORK SECTION

ITEM	QTY	UNIT	DESCRIPTION
#K-37	1	EACH	DROP-IN REFRIGERATED COLD PAN: EXISTING TO BE RE-USED
#K-38	1	EACH	SELF SERVE BREATH PROTECTOR SERVING SHELF
#K-39	1	EACH	STAINLESS STEEL ISLAND EXHAUST HOOD: TYPE I
#K-40	1	SYS	FIRE PROTECTION SYSTEM
#K-41	2	EACH	DROP-IN SOUP WARMER: EXISTING TO BE RE-USED
#K-42	1	EACH	SELF SERVE BREATH PROTECTOR
#K-43	4	EACH	COUNTER TOP CUP DISPENSER
#K-44	1	EACH	SOFT SERVE ICE CREAM MACHINE: EXISTING TO BE RE-USED
#K-45	1	EACH	COLD BEVERAGE DISPENSER: EXISTING TO BE RE-USED
#K-46	1	EACH	JUICE DISPENSER: EXISTING TO BE RE-USED
#K-47	1	EACH	SODA AND ICE DISPENSER: LOW PROFILE
#K-48	1	EACH	ICE MAKER: UNDERCOUNTER
#K-49	1	EACH	ICE BIN: UNDERCOUNTER
#K-50	-	-	SPARE NUMBER
#K-51	1	EACH	SLUSHIE DISPENSER: EXISTING TO BE RE-USED
#K-52	1	EACH	COFFEE BREWER SYSTEM: EXISTING TO BE RE-USED
#K-53	1	EACH	CAPPACCINO DISPENSER: EXISTING TO BE RE-USED
#K-54	1	EACH	REACH IN MERCHANDISING FREEZER: SINGLE SECTION: EXISTING TO BE RE-USED
#K-54A	1	EACH	REACH IN MERCHANDISING FREEZER: SINGLE SECTION
#K-55	1	EACH	REACH-IN MERCHANDISING REFRIGERATOR: DOUBLE SECTION. EXISTING BY PEPSI TO BE RE-USED
#K-56	1	EACH	REACH-IN MERCHANDISING REFRIGERATOR: DOUBLE SECTION: EXISTING TO BE RE-USED
#K-57	1	EACH	CONDIMENT COUNTER/CASHIER STAND: PROVIDED BY OTHER SECTION
#K-58	1	EACH	DROP-IN STAINLESS STEEL SINK: EXISTING TO BE RE-USED
#K-59	1	EACH	MICROWAVE OVEN: EXISTING TO BE RE-USED
#K-60	-	-	SPARE NUMBER
#K-61	1	EACH	CASHIER STAND: PROVIDED BY MILLWORK SECTION
#K-62	1	EACH	TRASH COUNTER: PROVIDED BY MILLWORK SECTION
#K-63	1	LOT	SERVING COUNTER TOP AND FACE: PROVIDED BY OTHER SECTIONS
#K-64	1	LOT	SALAD BAR/BEVERAGE SERVING COUNTER TOP AND FACE: PROVIDED BY OTHER SECTIONS
ADD ALTERNATE #F-1 (ITEMS #K65 THROUGH #K69)			
#K-65	1	EACH	COMBI-OVEN: GAS
#K-66	1	EACH	STEAMER: GAS
#K-67	1	EACH	SIX BURNER RANGE: WITH CABINET BASE
#K-68	1	EACH	STAINLESS STEEL SLICER CART: MOBILE
#K-69	1	EACH	REACH-IN FREEZER: SINGLE SECTION
#E-1	2	EACH	POS CASH REGISTER COMPUTER SYSTEM: PROVIDED BY OWNER



FS1 FOOD SERVICE EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

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SNOW COLLEGE CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
DFCM PROJECT NO:	12012700
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	RJ
CHECKED BY:	BS
DESIGNED BY:	RJ
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FOOD SERVICE EQUIPMENT PLAN

FS101

SHEET X OF X

BUILDING REQUIREMENTS GENERAL NOTES:

A. See Plumbing Rough-In Plan for requirements for drains, water, gas and refrigeration lines.

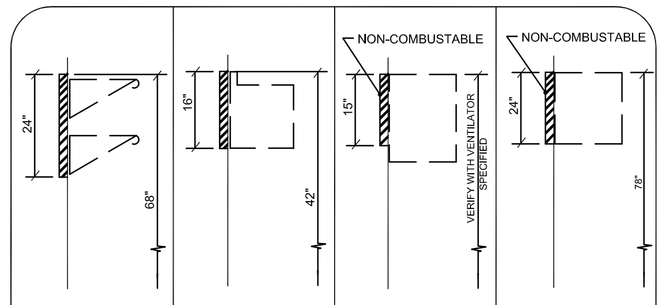
B. See Electrical Rough-In Plan for requirements for outlets, junction boxes, loads, voltages, and phases.

C. See Mechanical and Electrical Plans for requirements of ventilation systems.

D. Verify blocking requirements with suppliers for those items not provided by Kitchen Equipment Contractor.

E. All dimensions are to be field verified for compliance prior to fabrication/installation. All Dimensions shown are critical and are from finished wall.

F. See Plumbing, Electrical and Mechanical Plans for further information and requirements.



WALL BACKING DETAIL

NOTES: 1. ALL DIMENSIONS ARE TO FINISHED FLOOR. 2. ALL WALLBACKING TO BE 14 GA. STEEL SECURELY ATTACHED TO STUDS.

BUILDING REQUIREMENTS NOTE SCHEDULE

A1 G.C. TO PROVIDE BLOCKING IN WALL FOR WALL SHELF. SEE DETAIL 'A'

A2 G.C. TO PROVIDE BLOCKING IN WALL FOR HAND SINK. SEE DETAIL 'B'

A3 G.C. TO PROVIDE BLOCKING IN WALL FOR EXHAUST HOOD. SEE DETAIL 'C'

A4 G.C. TO PROVIDE BLOCKING IN WALL FOR SALAMANDER BROILER. SEE DETAIL 'D'

A5 ITEM #K-05 EXHAUST HOOD, WALL CANOPY, BOX STYLE. TYPE I. (2) SECTION EACH. KEC TO MOUNT FROM STRUCTURE ABOVE AND TO BACK WALL BLOCKING. SEE HOOD SECTION DETAIL.

A6 MECHANICAL CONTRACTOR TO CONNECT TO EXHAUST DUCT COLLARS AT HOOD #K-05. (2) EACH AT 12 X 14" REQUIRED AT 1,850 CFM EACH. FOR A TOTAL EXHAUST OF 3,700 CFM AT 0.42" W.C. STATIC PRESSURE AT 1,600 DUCT VELOCITY.

A7 MECHANICAL CONTRACTOR TO CONNECT TO MAKE-UP AIR DUCT COLLAR AT HOOD #K-05. (4) EACH 4" X 10" REQUIRED AT 740 CFM EACH. FOR A TOTAL SUPPLY OF 2,960 CFM AT 0.56" W.C. STATIC PRESSURE.

A8 G.C. TO PROVIDE NON COMBUSTABLE WALL ASSEMBLY AT WALL BEHIND AND AT CEILING ABOVE HOOD WITHIN 18" OF HOOD.

A9 ITEM #K-39 EXHAUST HOOD, ISLAND CANOPY, BOX STYLE. TYPE I. (1) SECTION EACH. KEC TO MOUNT FROM STRUCTURE ABOVE. SEE HOOD SECTION DETAIL.

A10 MECHANICAL CONTRACTOR TO CONNECT TO EXHAUST DUCT COLLAR AT HOOD #K-39. (1) EACH AT 11" X 11" REQUIRED AT 1,400 CFM EACH. FOR A TOTAL EXHAUST OF 1,400 CFM AT 0.61" W.C. STATIC PRESSURE AT 1,600 DUCT VELOCITY.

A11 MAKE-UP AIR TOTALLING 80% OF THE EXHAUSTED AIR OR 1,120 CFM IS TO BE INTEGRATED WITH EXHAUST SYSTEM AND INTRODUCED TO THE SPACE FROM THE MECHANICAL SYSTEM.

A12 SODA VENDER TO PROVIDE BUNDLED SYRUP LINES TO RUN IN 6" DIAMETER PVC CHASE WITH MINIMAL 12" RADIUS BEND.

A13 G.C. TO PROVIDE (1) EACH SMOOTH CONDUIT CHASE FOR SYRUP LINES ABOVE CEILING TO DROP IN WALL TO OPENING AT BASE OF BEVERAGE COUNTER AT +12" A.F.F.FLOOR. PROVIDE WITH MINIMUM 12" RADIUS BENDS. CHASE TO RETURN TO EXISTING SYRUP RACK LOCATION. VERIFY SYRUP RACK LOCATION ON SITE.

A14 OPENING AT COUNTER TO FIT REFRIGERATED WORK TABLE WITH MINIMAL CLEARANCE. VERIFY SIZE OF UNIT BEING INSTALLED.

A15 OPENING AT BASE OF COUNTER TO FIT REFRIGERATED BASE , VERIFY SIZE OF UNIT BEING INSTALLED.

A16 VERIFY ADEQUATE CLEARANCE ABOVE REACH-INS TO FIT AND VENTILATE UNITS.

A17 VERIFY WIDTH OF REACH-IN MERCHANDISING REFRIGERATORS AND FREEZERS TO FIT IN FRAMED OPENING WITH MINIMAL CLEARANCES.

A18 SERVING COUNTER TOPS BY MILLWORK CONTRACTOR, WITH FINISHED HEIGHT AT TOP OF COUNTER AT +34" A.F.F. SEE ARCHITECTURAL DETAILS.

A19 SERVING COUNTER BASE STRUCTURE TO SUPPORT SERVING COUNTER TOPS AND APPLIED FINISHED FACE PANELS AS PER ARCHITECT'S DETAILS.

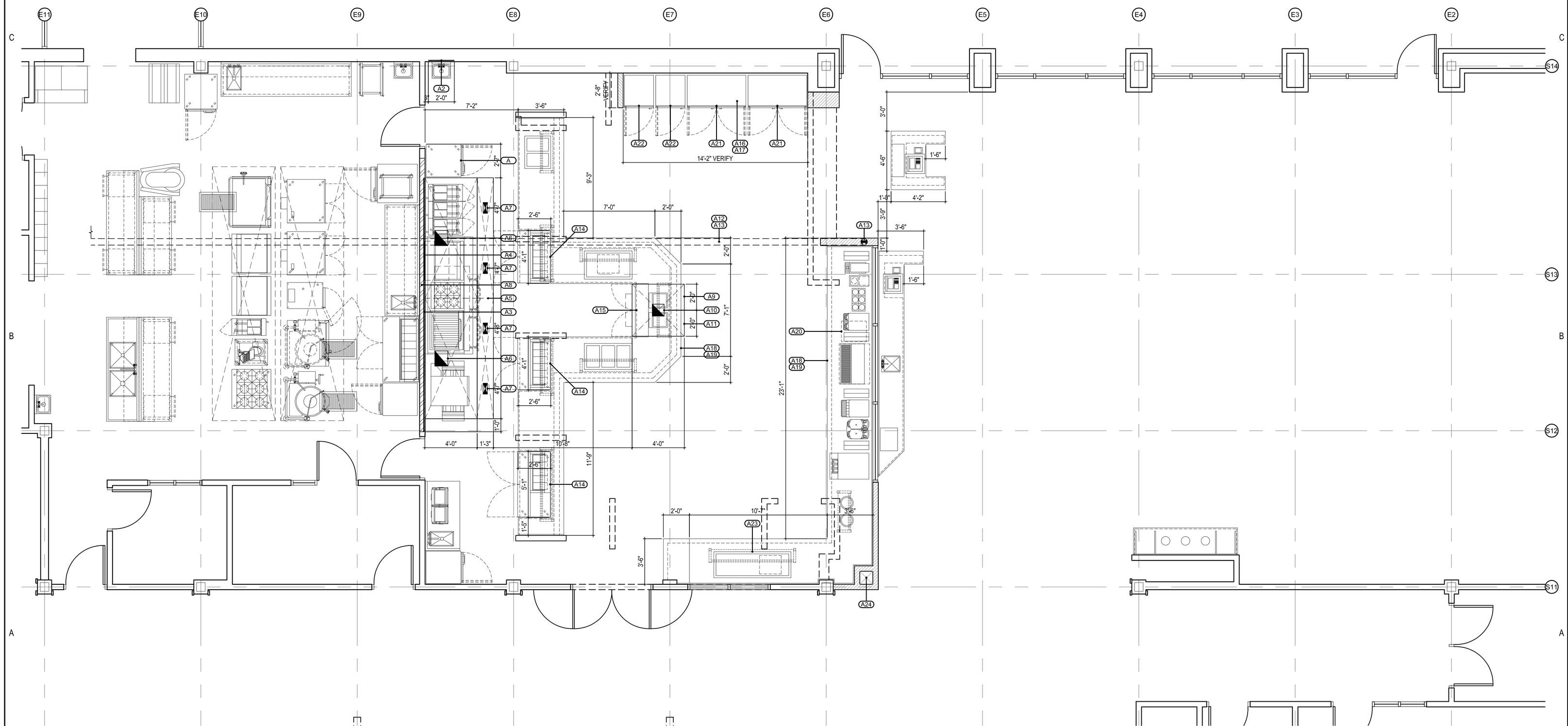
A20 VENTILATION AT ICE MAKER THROUGH COUNTER TO VENT CHASE. MECHANICAL DIVISION TO ALLOW FOR THE EXHAUST OF 13,000 BTU'S PER HOUR.

A21 VENTILATION AT MERCHANDISING REFRIGERATOR. MECHANICAL DIVISION TO ALLOW FOR THE EXHAUST OF 5,000 BTU'S PER HOUR.

A22 VENTILATION AT MERCHANDISING FREEZER. MECHANICAL DIVISION TO ALLOW FOR THE EXHAUST OF 7,500 BTU'S PER HOUR.

A23 VENTILATION AT DROP-IN COLD PAN THROUGH COUNTER TO VENT CHASE

A24 VENTILATION CHASE. SEE MECHANICAL DRAWINGS.



FS1 FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLAN
SCALE: 1/4"=1'-0"

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SNOW COLLEGE
CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
DFCM PROJECT NO:	12012700
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	RJ
CHECKED BY:	BS
DESIGNED BY:	RJ
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FOOD SERVICE EQUIPMENT BUILDING REQUIREMENT PLAN

FS102

SHEET X OF X

PLUMBING NOTES

1. PLUMBING PLANS SHOW ROUGH-IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH-IN DRAWING FOR CONSTRUCTION.
2. WATER PRESSURE IN FOOD AND BEVERAGE AREAS SHOULD BE 50 PSIG (345 KPa) MAXIMUM. WATER PRESSURE AT DISHMACHINES, BOOSTER HEATERS, GLASS AND UTENSIL WASHERS TO BE 25 PSIG (172 KPa).
3. PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, WATER PRESSURE REDUCING VALVES AND VACUUM BREAKERS AND CONNECT ALL WATER, FUEL GAS, STEAM AND WASTE LINES TO FOOD SERVICE AND BEVERAGE EQUIPMENT.
4. PLUMBING CONTRACTOR TO PROVIDE GAS SERVICES AT EQUIPMENT TO MAINTAIN AN 8" (203MM) WATER COLUMN. KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE GAS PRESSURE REGULATORS AS REQUIRED BY CODE AND A.G.A. FOR INSTALLATION BY PLUMBING DIVISION INLINE BETWEEN BUILDING SERVICES AND EQUIPMENT.
5. PLUMBING DIVISION TO SUPPLY GAS SHUT OFF VALVE AT EACH EQUIPMENT CONNECTION AND INSTALL WITHIN EQUIPMENT SPREADERS OR CHASES FOR EASY ACCESSIBILITY.
6. MECHANICAL ENGINEER TO SIZE GAS ROUGH-IN FOR COOKING LINES; SCHEDULES SHOW LOADS ONLY FOR EACH PIECE NOT THE TOTAL. LOOP GAS SERVICES WHEN PRACTICAL.
7. PLUMBING DIVISION SHALL INSTALL AND CONNECT ALL FAUCETS FURNISHED BY KEC.
8. PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL INDIRECT SINK WASTE LINES TO FLOOR SINKS.
9. PLUMBING DIVISION TO PROVIDE ADEQUATE CLEAN-OUT FOR DRAIN LINES.
10. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH AND INSTALL FIRE PROTECTION SYSTEM (INCLUDING FURNISHING SOLENOID SHUTOFF VALVES) PLUMBING DIVISION SHALL INSTALL SHUTOFF VALVE. VERIFY LOCATION WITH KEC.
11. FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISH FLOOR OR PER LOCAL CODE WITH REMOVEABLE GRATE COVER AS INDICATED.
12. FLOOR DRAINS INDICATED ARE FOR FOOD AND BEVERAGE AREAS ONLY ADDITIONAL GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED BY THE PLUMBING ENGINEER/ ARCHITECT.

PLUMBING LEGEND

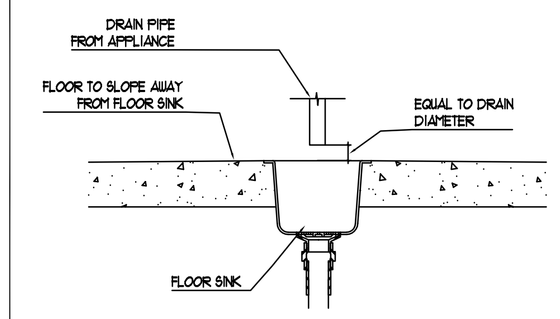
- HOT WATER
- COLD WATER
- GAS
- DIRECT WASTE DRAIN
- INDIRECT WASTE DRAIN
- FLOOR SINK WITH NO GRATE COVER
- FLOOR SINK WITH 1/2 GRATE COVER
- STUB UP FROM FLOOR
- MOUNT AT FLOOR
- DROP FROM ABOVE FLOOR DRAIN

NOTE: PLUMBING MOUNTING

ALL WALL MOUNT PLUMBING UTILITIES ARE TO BE FLUSH MOUNTED IN WALLS WITH NO EXPOSED PIPING SHOWING ON SURFACE OF WALLS. ARCHITECT TO PROVIDE MINIMUM WALL FURING IF REQUIRED.

NOTE: PLUMBING COORDINATION

KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE PROPER LOCATION AND SIZE OF GENERAL CONTRACTOR FURNISHED STRUCTURAL PENETRATIONS AND PLUMBING DIVISION FURNISHED SLEEVES THRU FLOOR.

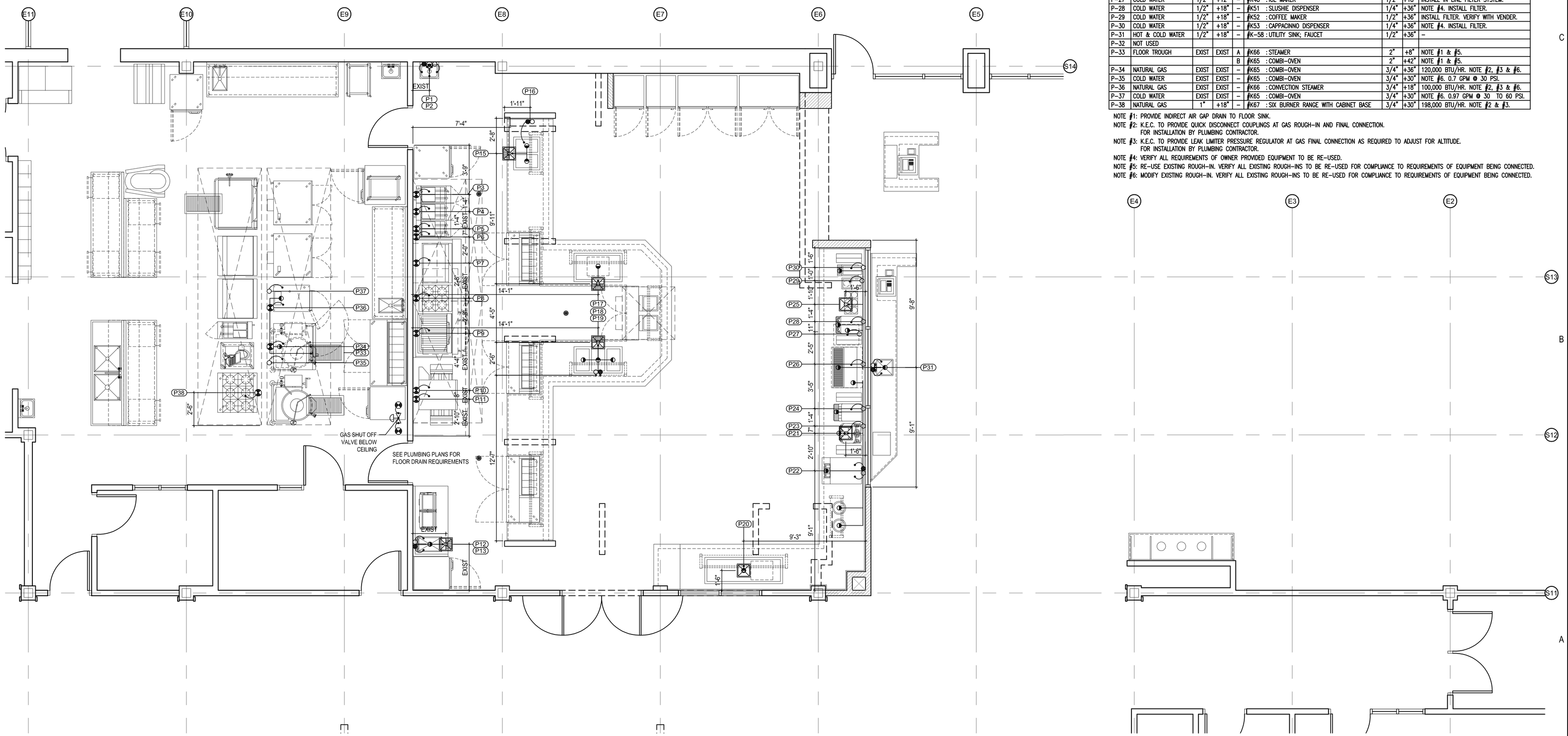


FLOOR SINK SECTION DETAIL

PLUMBING ROUGH-IN/FINAL CONNECTION SCHEDULE

ROUGH-IN REQUIREMENTS				CONNECTION REQUIREMENTS				REMARKS
R#	ROUGH-IN TYPE	SIZE	HGT	#	ITEM # : EQUIPMENT DESCRIPTION	SIZE	HGT	REMARK
P-01	DIRECT DRAIN	EXIST	EXIST	–	#K17 : HAND SINK	1-1/2"	+24"	NOTE #5.
P-02	HOT & COLD WATER	EXIST	EXIST	–	#K17 : HAND SINK	1/2"	+36"	NOTE #5.
P-03	NATURAL GAS	3/4"	+18"	–	#K15 : FRYER	3/4"	+13"	122,000 BTU/HR. NOTE #2, #3 & #6.
P-04	NATURAL GAS	3/4"	+18"	–	#K15 : FRYER	3/4"	+13"	122,000 BTU/HR. NOTE #2, #3 & #5.
P-05	NATURAL GAS	3/4"	+18"	–	#K15 : FRYER	3/4"	+13"	122,000 BTU/HR. NOTE #2, #3 & #5.
P-06	NATURAL GAS	3/4"	+76"	–	#K14 : SALAMANDER BROILER	3/4"	+76"	40,000 BTU/HR. NOTE #2, #3 & #4.
P-07	NATURAL GAS	3/4"	+18"	–	#K13 : GRIDDLE	3/4"	+32"	90,000 BTU/HR. NOTE #2, #3, #4 & #5.
P-08	NATURAL GAS	3/4"	+30"	–	#K12 : FOUR BURNER HOT PLATE	3/4"	+32"	140,000 BTU/HR. NOTE #2, #3 & #6.
P-09	NATURAL GAS	3/4"	+18"	–	#K11 : UNDER FIRE BROILER	3/4"	+30"	120,000 BTU/HR. NOTE #2, #3, #4 &#5.
P-10	NATURAL GAS	3/4"	+18"	–	#K7 : CONVEYOR OVEN	3/4"	+36"	120,000 BTU/HR. NOTE #2, #3, #4 &#5.
P-11	NATURAL GAS	3/4"	+18"	–	#K7 : CONVEYOR OVEN	3/4"	+36"	120,000 BTU/HR. NOTE #2, #3, #4 &#5.
P-12	FLOOR SINK	EXIST	EXIST	–	#K2 : UTILITY SINK	1-1/2"	+30"	HALF GRATE TOP. NOTE #4 & #5.
P-13	HOT & COLD WATER	EXIST	EXIST	–	#K2 : UTILITY SINK; FAUCET	1/2"	+36"	–
P-14	NOT USED							
P-15	FLOOR SINK	2"	+0"	–	#K34 : HOT FOOD WARMER	1"	+20"	HALF GRATE TOP. NOTE #1 & #4.
P-16	HOT & COLD WATER	1/2"	+12"	–	#K34 : HOT FOOD WARMER	1/2"	+24"	P.C. TO PROVIDE AND INSTALL REQUIRED BACK FLOW PREVENTOR. NOTE #4. COLD FOR FUTURE USE.
P-17	FLOOR SINK	2"	+0"	–	#K29 : REFRIGERATED COLD PAN	1"	+24"	HALF GRATE TOP. NOTE #1 & #4.
P-18	FLOOR SINK	2"	+0"	–	#K24 : HOT FOOD WARMER	1"	+20"	HALF GRATE TOP. NOTE #1 & #4.
P-19	HOT & COLD WATER	1/2"	STUB	–	#K24 : HOT FOOD WARMER	1/2"	+24"	P.C. TO PROVIDE AND INSTALL REQUIRED BACK FLOW PREVENTOR. NOTE #4. COLD FOR FUTURE USE.
P-20	FLOOR SINK	2"	+0"	–	#K37 : REFRIGERATED COLD PAN	1"	+24"	NOTE #1 & #4. FULL ACCESS TO BE PROVIDED IN BASE OF CABINET.
P-21	FLOOR SINK	2"	+0"	A	#K41 : SOUP WARMERS	1"	+24"	NOTE #1 & #4. FULL ACCESS TO BE PROVIDED IN BASE OF CABINET.
				B	#K44 : ICE CREAM MACHINE, HOPPER	1"	+36"	NOTE #1 & #4.
				C	#K45 : COLD BEVERAGE DISPENSER	1"	+36"	NOTE #1 & #4.
				D	#K46 : JUICE DISPENSER	1"	+36"	NOTE #1 & #4.
				E	#K49 : ICE BIN	1"	+4"	NOTE #1.
P-22	HOT & COLD WATER	1/2"	+18"	–	#K44 : ICE CREAM MACHINE	1/2"	+36"	NOTE #4.
P-23	COLD WATER	1/2"	+18"	–	#K45 : COLD BEVERAGE DISPENSER	1/4"	+36"	NOTE #4. INSTALL FILTER.
P-24	COLD WATER	1/2"	+18"	–	#K46 : JUICE DISPENSER	1/4"	+36"	NOTE #4. INSTALL FILTER.
P-25	FLOOR SINK	2"	+0"	A	#K47 : SODA & ICE DISPENSER	1"	+24"	NOTE #1. FULL ACCESS TO BE PROVIDED IN BASE OF CABINET.
				B	#K58 : UTILITY SINK	1-1/2"	+30"	NOTE #1.
				C	#K48 : ICE MAKER	1"	+12"	NOTE #1.
				D	#K51 : SLUSHIE DISPENSER	1"	+36"	NOTE #1 & #4.
				E	#K53 : CAPPACINNO DISPENSER	1/2"	+36"	NOTE #1 & #4.
P-26	COLD WATER	1/2"	12"	–	#K47 : SODA/ICE DISPENSER	1/2"	+36"	INSTALL FILTER.
P-27	COLD WATER	1/2"	+12"	–	#K48 : ICE MAKER	1/2"	+18"	INSTALL IN LINE FILTER SYSTEM.
P-28	COLD WATER	1/2"	+18"	–	#K51 : SLUSHIE DISPENSER	1/4"	+36"	NOTE #4. INSTALL FILTER.
P-29	COLD WATER	1/2"	+18"	–	#K52 : COFFEE MAKER	1/2"	+36"	INSTALL FILTER. VERIFY WITH VENDER.
P-30	COLD WATER	1/2"	+18"	–	#K53 : CAPPACINNO DISPENSER	1/4"	+36"	NOTE #4. INSTALL FILTER.
P-31	HOT & COLD WATER	1/2"	+18"	–	#K-58 : UTILITY SINK; FAUCET	1/2"	+36"	–
P-32	NOT USED							
P-33	FLOOR TROUGH	EXIST	EXIST	A	#K66 : STEAMER	2"	+8"	NOTE #1 & #5.
				B	#K65 : COMBI-OVEN	2"	+42"	NOTE #1 & #5.
P-34	NATURAL GAS	EXIST	EXIST	–	#K65 : COMBI-OVEN	3/4"	+36"	120,000 BTU/HR. NOTE #2, #3 & #6.
P-35	COLD WATER	EXIST	EXIST	–	#K65 : COMBI-OVEN	3/4"	+30"	NOTE #6. 0.7 GPM @ 30 PSI.
P-36	NATURAL GAS	EXIST	EXIST	–	#K66 : CONVECTION STEAMER	3/4"	+18"	100,000 BTU/HR. NOTE #2, #3 & #6.
P-37	COLD WATER	EXIST	EXIST	–	#K65 : COMBI-OVEN	3/4"	+30"	NOTE #6. 0.97 GPM @ 30 TO 60 PSI.
P-38	NATURAL GAS	1"	+18"	–	#K67 : SIX BURNER RANGE WITH CABINET BASE	3/4"	+30"	198,000 BTU/HR. NOTE #2 & #3.

NOTE #1: PROVIDE INDIRECT AIR GAP DRAIN TO FLOOR SINK.
NOTE #2: K.E.C. TO PROVIDE QUICK DISCONNECT COUPLINGS AT GAS ROUGH-IN AND FINAL CONNECTION. FOR INSTALLATION BY PLUMBING CONTRACTOR.
NOTE #3: K.E.C. TO PROVIDE LEAK LIMITER PRESSURE REGULATOR AT GAS FINAL CONNECTION AS REQUIRED TO ADJUST FOR ALTITUDE. FOR INSTALLATION BY PLUMBING CONTRACTOR.
NOTE #4: VERIFY ALL REQUIREMENTS OF OWNER PROVIDED EQUIPMENT TO BE RE-USED.
NOTE #5: RE-USE EXISTING ROUGH-IN. VERIFY ALL EXISTING ROUGH-INS TO BE RE-USED FOR COMPLIANCE TO REQUIREMENTS OF EQUIPMENT BEING CONNECTED.
NOTE #6: MODIFY EXISTING ROUGH-IN. VERIFY ALL EXISTING ROUGH-INS TO BE RE-USED FOR COMPLIANCE TO REQUIREMENTS OF EQUIPMENT BEING CONNECTED.



FS1 FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLAN
SCALE: 1/4"=1'-0"

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SNOW COLLEGE CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
DFCM PROJECT NO:	12012700
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	RJ
CHECKED BY:	BS
DESIGNED BY:	RJ
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FOOD SERVICE EQUIPMENT PLUMBING REQUIREMENT PLAN

FS103

SHEET X OF X

ELECTRICAL NOTES

1. ELECTRICAL PLAN SHOWS ROUGH–IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH–IN DRAWINGS FOR CONSTRUCTION.
2. ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLTS, 1&3 PHASE, 60 HERTZ, 4 WIRE SYSTEM.
3. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, CONDUIT AND WIRING EXCEPT WHERE NOTED. RECEPTACLES AND COVER PLATES SHALL BE BRUSHED STAINLESS STEEL FURNISHED BY ELECTRICAL DIVISION.
4. ALL CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL DIVISION. CONDUIT SHALL HAVE 24" (600MM) MINIMUM RADIUS BENDS.
5. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH AND INSTALL VAPOR PROOF VENTILATOR LIGHTS COMPLETE WITH LAMPS. INTERCONNECTING CONDUIT, WIRING WITH WALL SWITCH FURNISHED AND INSTALLED BY THE ELECTRICAL DIVISION.
6. ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS AND TEMPERATURE MONITORING SYSTEM ETC.. SHALL BE LOCATED BY THE ELECTRICAL ENGINEER/ ARCHITECT AND AS REQUIRED BY CODE.
7. KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH DISPOSER CONTROLS. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL INTER–CONNECTING CONDUIT AND WIRE BETWEEN SWITCH, DISPOSER AND COMPONENTS.
8. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN MICRO–SWITCH AND SOLENOID FUEL SHUT OFF VALVE FURNISHED WITH FIRE SUPPRESSION SYSTEM SUPPLIED BY THE KITCHEN EQUIPMENT CONTRACTOR.
9. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL EMPTY CONDUIT WITH JUNCTION BOXES FOR INSTALLATION OF OWNER SUPPLIED I.T. EQUIPMENT INCLUDING POS/ ELECTRONIC CASH CONTROL SYSTEM. ELECTRICAL DIVISION TO VERIFY INSTALLATION IN ACCORDANCE WITH OWNER'S REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.
10. ELECTRICAL DIVISION SHALL FURNISH AND INSTALL DISCONNECTS FOR ALL ELECTRICAL EQUIPMENT UNDER HOOD ACTIVATED BY FIRE SUPPRESSION SYSTEM.

ELECTRICAL LEGEND

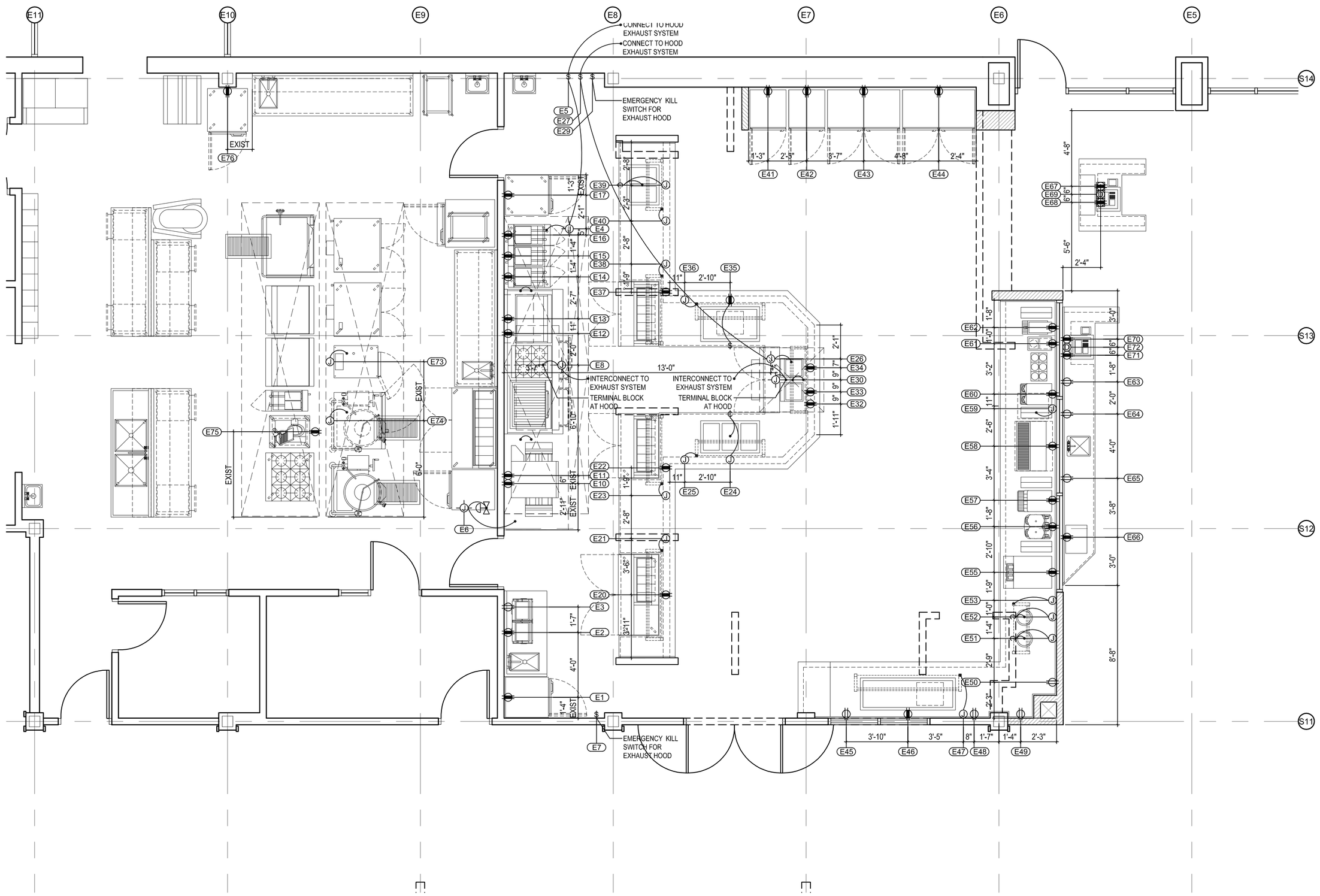
- ELECTRICAL OUTLET
- (J) JUNCTION BOX
- CONVENIENCE DUPLEX RECEPTACLE
- (F) FLEX CONNECTION (CONTINUOUS WIRE FROM ROUGH-IN TO JUNCTION/OUTLET LOCATION)
- (D) DATA CONDUIT
- $ SWITCH
- ¢ CONTROLS
- STUB FROM FLOOR
- DROP FROM ABOVE
- DROP CORD FROM CEILING TO +72" A.F.F.
- FLOOR MOUNTED

NOTE: ELECTRICAL MOUNTING

ALL WALL MOUNT ELECTRICAL RECEPTACLE AND J–BOXES ARE TO BE FLUSH MOUNTED IN WALLS WITH NO EXPOSED CONDUIT SHOWING ON SURFACE OF WALLS. ARCHITECT TO PROVIDE MINIMUM WALL FURRING IF REQUIRED.

NOTE: POS ELECTRICAL

120V, 1 PHASE, SERVICE, 10.0 AMPS, STUB AS NOTED, FOR POS/PRE–CHECK SYSTEM STATIONS. (DEDICATED CIRCUIT, ISOLATED GROUND, PROVIDE (ADD PHONE LINE) EMPTY J–BOX WITH CONDUIT FOR INTERCONNECTING POS SYSTEM POS SYSTEM, PRE–CHECK AND PRINTERS). VERIFY ALL REQUIREMENTS WITH SUPPLIER. REQUIRMENTS WITH POS SYSTEM SUPPLIER.)



FS1 FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLAN
SCALE: 1/4"=1'–0"

ELECTRICAL ROUGH–IN/FINAL CONNECTION SCHEDULE

ROUGH–IN REQUIREMENTS			CONNECTION REQUIREMENTS				REMARKS
RI#	ROUGH–IN TYPE	HGT.	ITEM #: EQUIPMENT DESCRIPTION	VLY/CYC/PH	LOAD	CONN	REMARK
E–01	OUTLET	EXIST	#K1 : HOT FOOD WARMING CABINET	120/60/1	11.3 AMP	C&P	NOTE #6 & #7.
E–02	OUTLET	+48"	#K3 : PANINI GRILL	208/60/1	26 AMP	C&P	–
E–03	CONVENIENCE OUTLET	+48"	#K2 : WORK TABLE	120/60/1	180 WATT	C&P	NOTE #8.
E–04	JUNCTION BOX	DFA	#K5 : EXHAUST HOOD	120/60/1	1,200 WATT	J–BOX	INTERCONNECT WITH EXHAUST SYSTEM AND HOOD SWITCH NOTE #8.
E–05	SWITCH/CONTROLS	+48"	#K5 EXHAUST HOOD: SWITCH	120/60/1	–	–	INTERCONNECT WITH EXHAUST SYSTEM AND EXHAUST HOOD NOTE #8.
E–06	JUNCTION BOX	DFA	#K6 : GAS SHUT OFF VALVE	120/60/1	1 AMP	J–BOX	CONNECT TO GAS SHUT OFF AND HOOD CONTROLS AS REQ'D. INTERCONNECT WITH SHUNT TRIP BREAKER FOR HOOD EQUIPMENT.
E–07	EMERGENCY SWITCH	+48"	#K6 : EXHAUST HOOD: KILL SWITCH	–	–	–	INCLUDED WITH FIRE PROTECTION SYSTEM BY K.E.C.
E–08	JUNCTION BOX	DFA	#K5 : EXHAUST HOOD: HEAT SENSOR	120/60/1	15 AMP	J–BOX	INTERCONNECT TO TERMINAL BLOCK PROVIDED IN HOOD. NOTE #3.
E–09	NOT USED						
E–10	OUTLET	EXIST	#K7 : CONVEYOR OVEN	120/60/1	1/3 HP	C&P	NOTE #6 & #7.
E–11	OUTLET	EXIST	#K7 : CONVEYOR OVEN	120/60/1	1/3 HP	C&P	NOTE #6 & #7.
E–12	OUTLET	EXIST	#K9 : REFRIGERATED GRILL STAND	115/60/1	8.8 AMP	C&P	NOTE #6 & #7.
E–13	OUTLET	EXIST	#K13 : FLAT TOP GRIDDLE	120/60/1	1 AMP	C&P	NOTE #6 & #7. ELECTRONIC IGNITION.
E–14	OUTLET	+18"	#K15 : FRYER: CONTROLS & SPIN MOTOR	115/60/1	4.7 AMP	C&P	–
E–15	OUTLET	+18"	#K15 : FRYER: CONTROLS & SPIN MOTOR	115/60/1	4.7 AMP	C&P	–
E–16	OUTLET	+18"	#K15 : FRYER: CONTROLS & SPIN MOTOR	115/60/1	4.7 AMP	C&P	–
E–17	OUTLET	EXIST	#K16 : REACH–IN FREEZER	115/60/1	10.8 AMP	C&P	NOTE #6 & #7.
E–18	NOT USED						
E–19	NOT USED						
E–20	OUTLET	+18"	#K19 : REFRIGERATED SANDWICH TABLE.	115/60/1	7.8 AMP	C&P	NOTE #5 & #6
E–21	JUNCTION BOX	+18"	#K21 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–22	OUTLET	+18"	#K22 : REFRIGERATED SANDWICH TABLE	115/60/1	8.6 AMP	C&P	NOTE #5.
E–23	JUNCTION BOX	+18"	#K23 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–24	JUNCTION BOX	+18"	#K24 : HOT FOOD WARMER	208/60/1	15.9 AMP	J–BOX	NOTE #5 & #6. INTERCONNECT CONTROLS.
E–25	JUNCTION BOX	+18"	#K25 : BREATH PROTECTOR/LIGHT/HEAT LAMP	120/60/1	8.18 AMP	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–26	JUNCTION BOX	DFA	#K39 : EXHAUST HOOD	120/60/1	300 WATT	J–BOX	INTERCONNECT WITH EXHAUST SYSTEM AND HOOD SWITCH
E–27	SWITCH/CONTROLS	+48"	#K39 EXHAUST HOOD: SWITCH	120/60/1	–	–	INTERCONNECT WITH EXHAUST SYSTEM AND EXHAUST HOOD
E–28	EMERGENCY SWITCH	+48"	#K40 : EXHAUST HOOD: KILL SWITCH	–	–	–	INCLUDED WITH FIRE PROTECTION SYSTEM BY K.E.C.
E–29	NOT USED						
E–30	JUNCTION BOX	DFA	#K39 : EXHAUST HOOD: HEAT SENSOR	120/60/1	15 AMP	J–BOX	INTERCONNECT TO TERMINAL BLOCK PROVIDED IN HOOD. NOTE #3.
E–31	NOT USED						
E–32	OUTLET	+18"	#K26 : REFRIGERATED WORK COUNTER	115/60/1	9.7 AMP	C&P	NOTE #5 & #6.
E–33	JUNCTION BOX	+18"	#K27 : INDUCTION COOK TOP	120/60/1	1,800 WATT	C&P	NOTE #5.
E–34	JUNCTION BOX	+18"	#K27 : INDUCTION COOK TOP	120/60/1	1,800 WATT	C&P	NOTE #5.
E–35	OUTLET	+18"	#K29 : REFRIGERATED COLD PAN	115/60/1	5 AMP	C&P	NOTE #5. INTERCONNECT SWITCH TO OUTLET.
E–36	JUNCTION BOX	+18"	#K31 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–37	OUTLET	+18"	#K32 : REFRIGERATED SANDWICH TABLE	115/60/1	8.6 AMP	C&P	NOTE #5.
E–38	JUNCTION BOX	+18"	#K33 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–39	JUNCTION BOX	+18"	#K34 : HOT FOOD WARMER	208/60/1	10.6 AMP	J–BOX	NOTE #5 & #6. INTERCONNECT CONTROLS.
E–40	JUNCTION BOX	+18"	#K35 : BREATH PROTECTOR/LIGHT/HEAT LAMP	120/60/1	8.18 AMP	J–BOX	NOTE #4 & #5. INTERCONNECT SWITCH.
E–41	OUTLET	+18"	#K54 : REACH–IN MERCHANDISING FREEZER	115/60/1	13 AMP	C&P	NOTE #6 & #8.
E–42	OUTLET	+18"	#K54A : REACH–IN MERCHANDISING FREEZER	115/60/1	13 AMP	C&P	NOTE #8.
E–43	OUTLET	+18"	#K55 : REACH–IN MERCHANDISING REFRIGERATOR	115/60/1	7.3 AMP	C&P	NOTE #6 & #8.
E–44	OUTLET	+18"	#K56 : REACH–IN MERCHANDISING REFRIGERATOR	115/60/1	7.3 AMP	C&P	NOTE #8.
E–45	CONVENIENCE OUTLET	+48"	#K64 : SERVING COUNTER	120/60/1	180 WATT	C&P	–
E–46	OUTLET	+18"	#K37 : REFRIGERATED COLD PAN	115/60/1	5 AMP	C&P	NOTE #6. INTERCONNECT SWITCH TO OUTLET.
E–47	JUNCTION BOX	+18"	#K38 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4. INTERCONNECT SWITCH IN CABINET BASE.
E–48	CONVENIENCE OUTLET	+48"	#K64 : SERVING COUNTER	120/60/1	180 WATT	C&P	–
E–49	CONVENIENCE OUTLET	+48"	#K64 : SERVING COUNTER	120/60/1	180 WATT	C&P	–
E–50	CONVENIENCE OUTLET	+48"	#K64 : SERVING COUNTER	120/60/1	180 WATT	C&P	–
E–51	JUNCTION BOX	+18"	#K41 : SOUP WARMER	120/60/1	6.7 AMP	J–BOX	NOTE #6. INTERCONNECT CONTROLS IN CABINET BASE.
E–52	JUNCTION BOX	+18"	#K41 : SOUP WARMER	120/60/1	6.7 AMP	J–BOX	NOTE #6. INTERCONNECT CONTROLS IN CABINET BASE.
E–53	JUNCTION BOX	+18"	#K42 : BREATH PROTECTOR/LIGHT	120/60/1	28 WATTS	J–BOX	NOTE #4. INTERCONNECT SWITCH IN CABINET BASE.
E–54	NOT USED						
E–55	OUTLET	+48"	#K44 : ICE CREAM MACHINE	115/60/1	16 AMP	C&P	NOTE #6.
E–56	OUTLET	+48"	#K45 : COLD BEVERAGE DISPENSER	120/60/1	14 AMP	C&P	NOTE #6. VERIFY WITH VENDER.
E–57	OUTLET	+18"	#K46 : JUICE DISPENSER	120/60/1	7.5 AMP	C&P	NOTE #6. VERIFY WITH VENDER.
E–58	OUTLET	+18"	#K47 : SODA AND ICE DISPENSER	120/60/1	7 AMP	C&P	–
E–59	JUNCTION BOX	+18"	#K48 : ICE MAKER	115/60/1	11 AMP	J–BOX	–
E–60	OUTLET	+48"	#K51 : SLUSHIE MACHINE	115/60/1	16 AMP	C&P	NOTE #6.
E–61	OUTLET	+48"	#K52 : COFFEE BREWER	110/208/60/1	20 AMP	C&P	NOTE #6. VERIFY WITH VENDER
E–62	OUTLET	+48"	#K53 : CAPPACCINO DISPENSER	120/60/1	14 AMP	C&P	NOTE #6. VERIFY WITH VENDER.
E–63	CONVENIENCE OUTLET	+48"	#K57 : CONDIMENT COUNTER	120/60/1	180 WATT	C&P	–
E–64	CONVENIENCE OUTLET	+48"	#K57 : CONDIMENT COUNTER	120/60/1	180 WATT	C&P	–
E–65	CONVENIENCE OUTLET	+48"	#K57 : CONDIMENT COUNTER	120/60/1	180 WATT	C&P	–
E–66	CONVENIENCE OUTLET	+48"	#K59 : MICROWAVE OVEN	120/60/1	1200 WATT	C&P	NOTE #6.
E–67	OUTLET	+0"	#E1 : POS REGISTER	120/60/1	VERIFY	C&P	NOTE #1. MOUNT FLUSH TO FLOOR
E–68	OUTLET	+0"	#E1 : POS REGISTER: CARD READER	120/60/1	VERIFY	C&P	NOTE #1. MOUNT FLUSH TO FLOOR
E–69	DATA OUTLET	+0"	#E1 : POS REGISTER	–	–	–	NOTE #2. MOUNT FLUSH TO FLOOR
E–70	OUTLET	+0"	#E1 : POS REGISTER	120/60/1	VERIFY	C&P	NOTE #1. MOUNT FLUSH TO FLOOR
E–71	OUTLET	+0"	#E1 : POS REGISTER: CARD READER	120/60/1	VERIFY	C&P	NOTE #1. MOUNT FLUSH TO FLOOR
E–72	DATA OUTLET	+0"	#E1 : POS REGISTER	–	–	–	NOTE #2. MOUNT FLUSH TO FLOOR
E–73	JUNCTION BOX	EXIST	#K66 : STEAMER	120/60/1	300 WATTS	J–BOX	NOTE #8.
E–74	OUTLET	+18"	#K65 : COMBI–OVEN	208/60/1	3.85 AMP	C&P	NOTE #8.
E–75	OUTLET	EXIST	#K15 : SLICER	115/60/1	1/2 HP	C&P	NOTE #6 & #7.
E–76	OUTLET	EXIST	#K49 : REACH–IN FREEZER	115/60/1	10.8 AMP	C&P	NOTE #8.

NOTE #1: VERIFY THE REQUIREMENTS OF THE POS SYTEM WITH THE SUPPLIER INCLUDING ELECTRICAL REQUIREMENTS AND THE INTERCONNECTION REQUIREMENTS.

NOTE #2: PROVIDE DATA CONDUIT AS REQUIRED BY POS SUPPLIER. VERIFY INTERCONNECTION REQUIREMENTS BETWEEN COMPONENTS OF SYSTEM.

NOTE #3: ELECTRICIAN TO FIELD WIRE LOW VOLTAGE FROM EACH TEMPERATURE CONTROLLER TO HEAT SENSOR PROVIDED WITH HOOD AT EACH EXHAUST RISER. ELECTRICIAN TO INTERLOCK CONTACTORS OR STARTERS SPECIFIED BY MECHANICAL SYSTEM TO THE CONTACTS AT THE TERMINAL BLOCK TO OPERATE FAN.

NOTE #4: RUN FROM ROUGH–IN TO CONNECTION AT UNDERSIDE OF SERVING SHELF/SNEEZE GUARD THROUGH SNEEZE GUARD SUPPORT TUBE. ELECTRICIAN TO INTERCONNECT REMOTE SWITCH AND REMOTE BALLAST PROVIDED WITH UNIT.

NOTE #5: ROUGH–INS AT SERVING COUNTER ARE TO BE RUN FROM END WALLS IN BASE OF CABINET AND MOUNTED IN CABINET BASE AT ROUGH–IN LOCATION AS PER PLAN.

NOTE #6: VERIFY ALL REQUIREMENTS OF OWNER PROVIDED EQUIPMENT TO BE RE–USED.

NOTE #7: RE–USE EXISTING ROUGH–IN. VERIFY ALL EXISTING ROUGH–INS TO BE RE–USED FOR COMPLIANCE TO REQUIREMENTS OF EQUIPMENT BEING CONNECTED.

NOTE #8: MODIFY EXISTING ROUGH–IN. VERIFY ALL EXISTING ROUGH–INS TO BE RE–USED FOR COMPLIANCE TO REQUIREMENTS OF EQUIPMENT BEING CONNECTED.

DFA: DROP FROM ABOVE
J–BOX: JUNCTION BOX CONNECTION
AMP: AMPERES
HP: HORSE POWER

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SNOW COLLEGE
CAFETERIA REMODEL

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GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

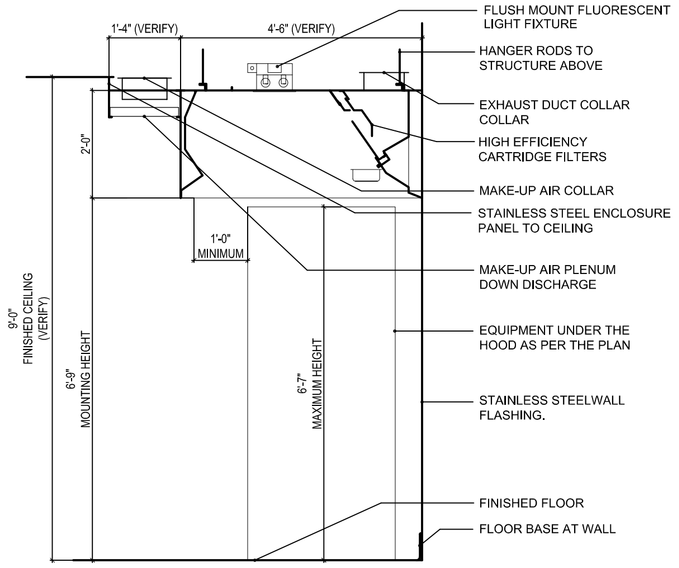
DATE:	APRIL 12, 2012
DFCM PROJECT NO:	12012700
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	RJ
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

FOOD SERVICE EQUIPMENT ELECTRICAL REQUIREMENT PLAN

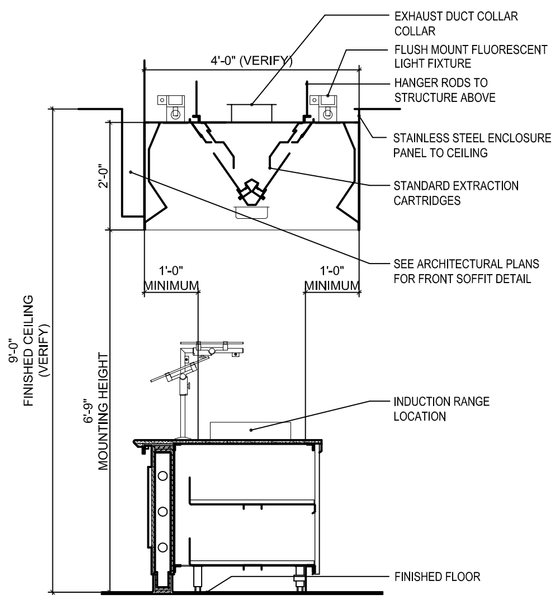
FS104

SHEET X OF X



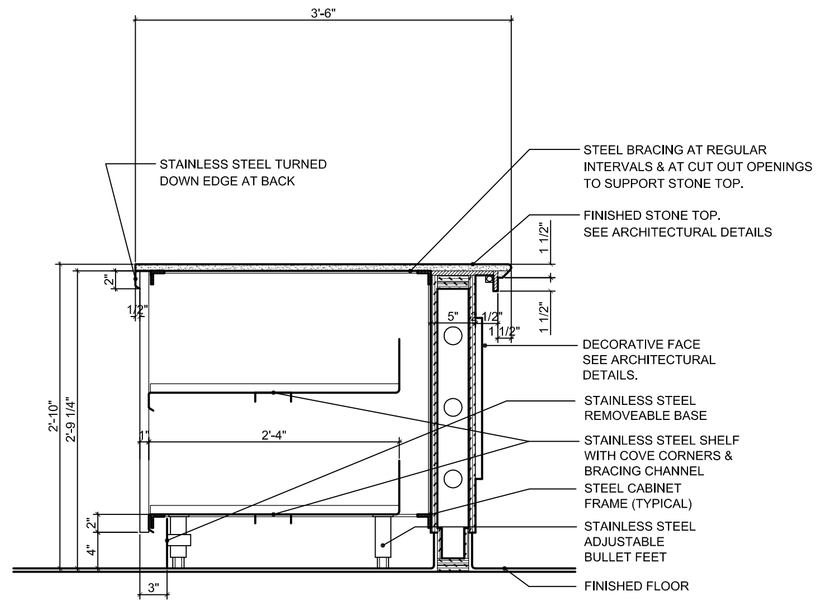
EXHAUST HOOD
SECTION DETAIL
SCALE: 1/2" = 1'-0"

A FS105



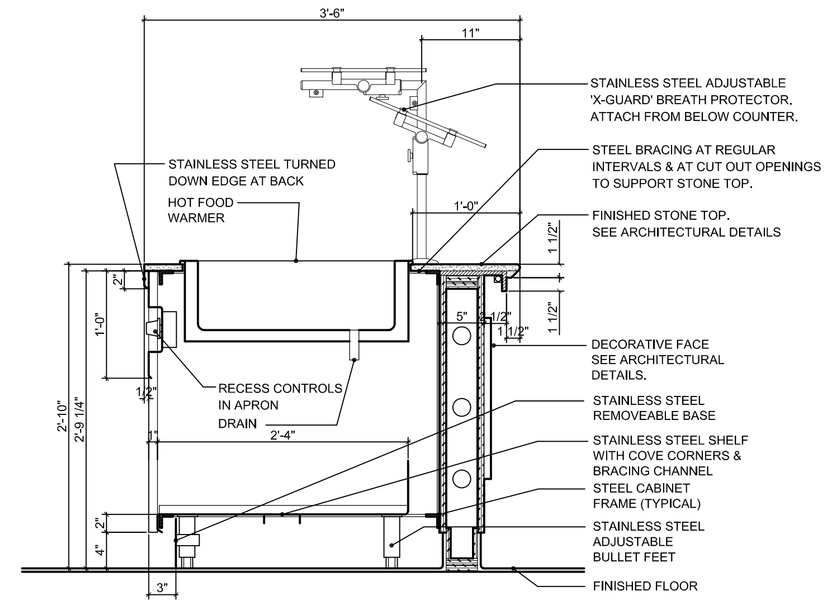
ISLAND EXHAUST HOOD
SECTION DETAIL
SCALE: 1/2" = 1'-0"

B FS105



SERVING COUNTER, COLD
SECTION DETAIL
SCALE: 1" = 1'-0"

C FS105



SERVING COUNTER, HOT
SECTION DETAIL
SCALE: 1" = 1'-0"

D FS105

SERVING COUNTER, COLD
SECTION DETAIL
SCALE: 1" = 1'-0"

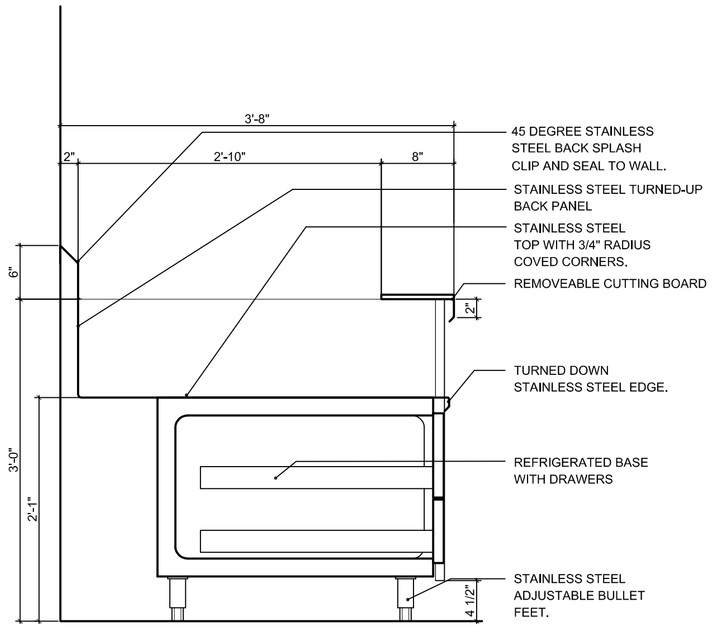
E FS105

SERVING COUNTER, SANDWICH
SECTION DETAIL
SCALE: 1" = 1'-0"

F FS105

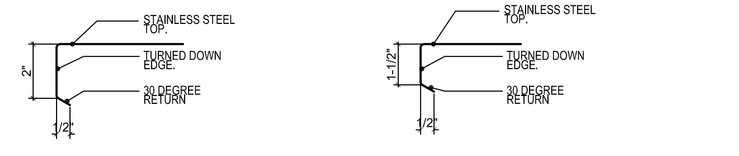
SERVING COUNTER, REF BASE
SECTION DETAIL
SCALE: 1" = 1'-0"

G FS105

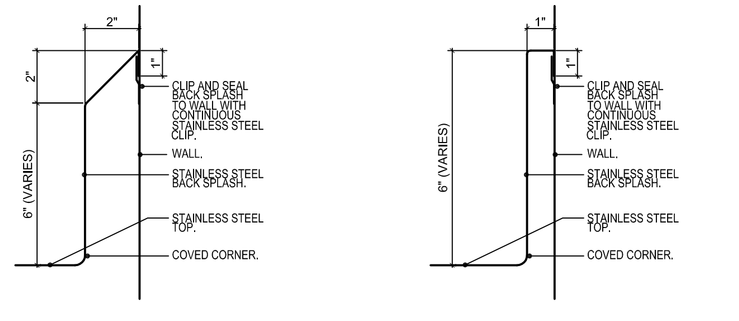


GRILL STAND
SECTION DETAIL
SCALE: 1" = 1'-0"

H FS105



2" TURNED DOWN EDGE 1-1/2" TURNED DOWN EDGE



45 DEGREE BACK SPLASH FLAT BACK SPLASH

TYPICAL EDGE DETAILS
SECTION DETAIL
SCALE: 1" = 1'-0"

I FS105

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SNOW COLLEGE CAFETERIA REMODEL

SNOW COLLEGE
GREENWOOD CENTER
EPHRAIM, UTAH

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
DFCM PROJECT NO:	12012700
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	RJ
CHECKED BY:	BS
DESIGNED BY:	RJ
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FOOD SERVICE EQUIPMENT PLAN

FS105

SHEET X OF X

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY		
A / ME101		SECTION LETTER DESIGNATION SECTION DRAWN ON THIS SHEET
A2		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION
AH-1		MECHANICAL EQUIPMENT DESIGNATION EQUIPMENT ITEM DESIGNATION
CFM / D-1		REGISTER, GRILL OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW
R-1		GRILLE, OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED
1		REVISION DESIGNATOR AND NUMBER
1		KEY NOTE DESIGNATOR AND NUMBER
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
AFF		ABOVE FINISHED FLOOR
AP		ACCESS PANEL
℄ EL.		CENTER LINE ELEVATION
INV. ELEV.		INVERT ELEVATION
GC		GENERAL CONTRACTOR
MC		MECHANICAL CONTRACTOR
ATC		CONTROL CONTRACTOR
EC		ELECTRICAL CONTRACTOR
FPC		FIRE PROTECTION CONTROL
NIC		NOT IN CONTRACT
NTS		NOT TO SCALE
VCP		VITRIFIED CLAY PIPE
C		COMMON
NC		NORMALLY CLOSED
NO		NORMALLY OPEN

SYMBOL	ABR.	DESCRIPTION
AIR SIDE		
		EXISTING AIR DUCT TO BE REMOVED
		EXISTING AIR DUCT TO REMAIN
		NEW AIR DUCT
		NEW SPIRAL DUCT
		NEW MEDIUM PRESSURE DUCT
		RECT. TO RECT. AIR DUCT TAKE-OFF
		RECT. TO RND. AIR DUCT TAKE-OFF
		RND. TO RND. AIR DUCT TAKE-OFF
		RECT. TAKE-OFF AT END OF MAIN
		MEDIUM PRESSURE TAKE-OFF
		MEDIUM PRESSURE HIGH EFFICIENCY TAKEOFF
		BURIED OR UNDER FLOOR DUCT
		FLEXIBLE AIR DUCT
		LINED DUCT
		VANED ELBOW
		RADIUS ELBOW
		CONCENTRIC DUCT TRANSITION
		ECCENTRIC DUCT TRANSITION
		FLEXIBLE AIR DUCT CONNECTION
VD		VOLUME DAMPER
		SUPPLY AIR DIFFUSER
		RETURN AIR, FRESH AIR, AND TRANSFER AIR
		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE
		RETURN OR OUTSIDE AIR DUCT UP
		SUPPLY DUCT UP
		EXHAUST AIR INTAKE UP
		RETURN OR OUTSIDE AIR DUCT DOWN
		SUPPLY DUCT DOWN
		EXHAUST DUCT DOWN
		ROUND DUCT UP
		LOWER DUCT DOWN
		RAISE DUCT UP
		LOWER DUCT DOWN
		FLEXIBLE DUCT CONNECTION
		PARALLEL BLADE DAMPER
		OPPOSED BLADE DAMPER
H		HUMIDIFIER
		AIRFLOW MEASURING STATION
		FILTER BANK
		COIL
	AP	ACCESS PANEL
		EXISTING EQUIPMENT TO BE REMOVED
		EXISTING EQUIPMENT TO REMAIN
		NEW EQUIPMENT
FS	FS	FIRE & SMOKE DAMPER
T / RTU-1	T-STAT	WALL MOUNTED THERMOSTAT MECHANICAL EQUIPMENT CONTROLLED
S		WALL MOUNTED TEMP. SENSOR
H	H-STAT	WALL MOUNTED HUMIDISTAT
F	F-STAT	WALL MOUNTED FIRESTAT
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR
OA		OUTSIDE AIR
MA		MIXED AIR
FA		FRESH AIR
RF		RELIEF AIR

SYMBOL	ABR.	DESCRIPTION
WET SIDE CONT		
		PITCH DOWN
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		EXISTING PIPING TO BE REMOVED
		EXISTING PIPING TO REMAIN
		NEW PIPING
		PIPE CAP OR PLUG
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		EXPANSION JOINT
		FLEXIBLE CONNECTION
		ANCHOR POINT
CD		CONDENSATE DRAIN
G		NATURAL GAS PIPING
MU		MAKE-UP WATER LINE
CW		CULINARY COLD WATER
HW		CULINARY HOT WATER
		RECIRCULATED CULINARY HOT WATER
DR		EQUIPMENT DRAIN

GENERAL NOTES:

G-1 MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCK-OUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

G-13 C.F.M. LISTED IS ACTUAL AIR.

G-14 SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2009 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-17 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.

G-18 ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

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SNOW COLLEGE KITCHEN REMODEL

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150 E. College Way
Ephriam, Utah

MARK	DATE	DESCRIPTION

DATE:	MARCH 23, 2012
AGENCY PROJECT NO:	
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	LGD
CHECKED BY:	WP
DESIGNED BY:	WP
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

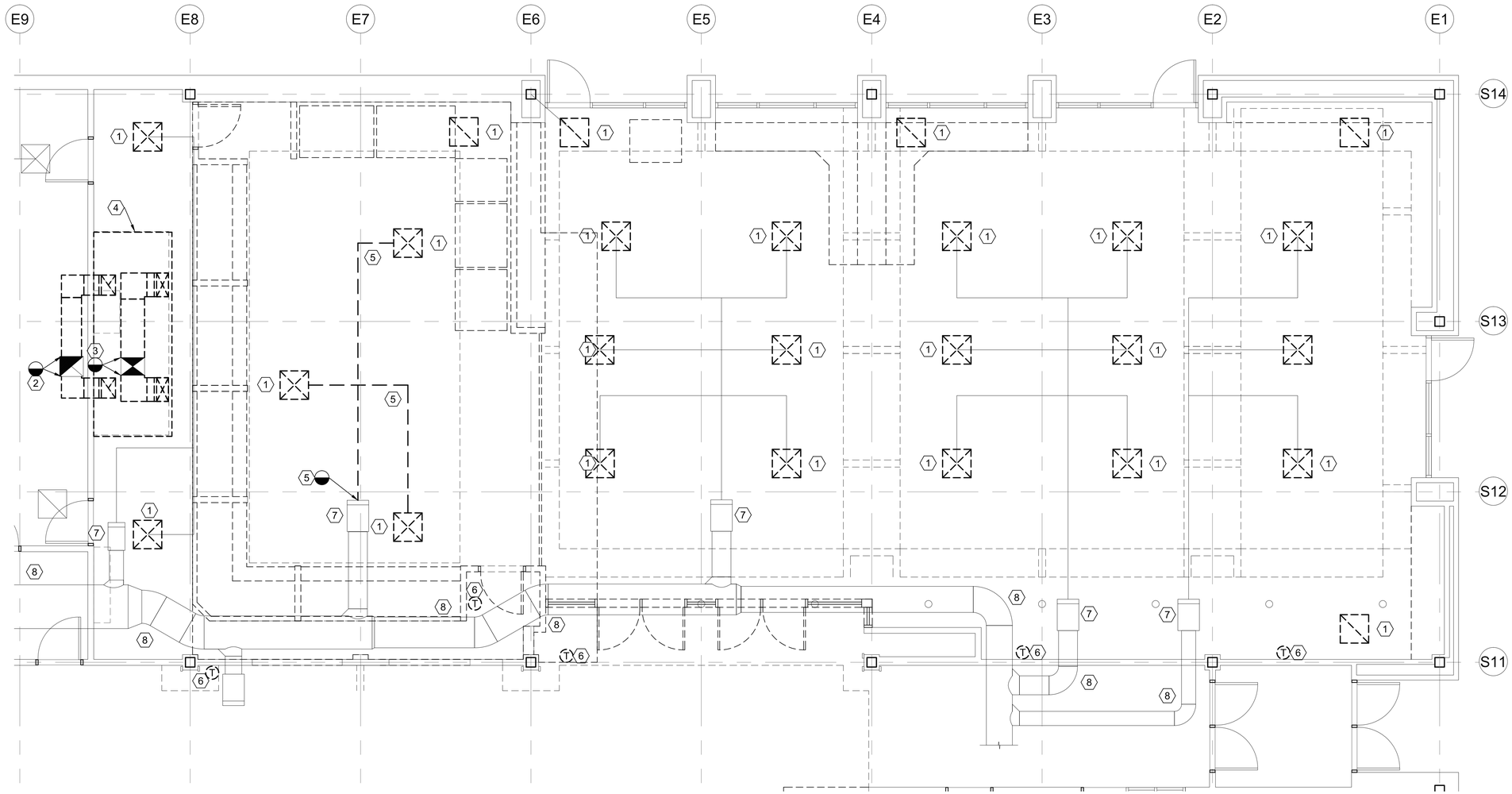
SHEET TITLE

MECHANICAL GENERAL NOTES AND LEGEND

MG001
SHEET OF

SHEET NOTES:

1. REMOVE EXISTING CEILING DIFFUSER AND RETURN GRILLES.
2. REMOVE EXISTING EXHAUST DUCT TO POINT SHOWN.
3. REMOVE EXISTING MAKE-UP AIR DUCT TO POINT SHOWN.
4. REMOVE EXISTING EXHAUST HOOD AND ALL ASSOCIATED ITEMS.
5. REMOVE EXISTING SUPPLY DUCT.
6. REMOVE EXISTING THERMOSTAT.
7. EXITING MECHANICAL EQUIPMENT SHALL REMAIN.
8. EXISTING SUPPLY DUCTWORK SHALL REMAIN.



MD1 CAFETERIA MECHANICAL DEMOLITION FLOOR PLAN
1/4"=1'-0"

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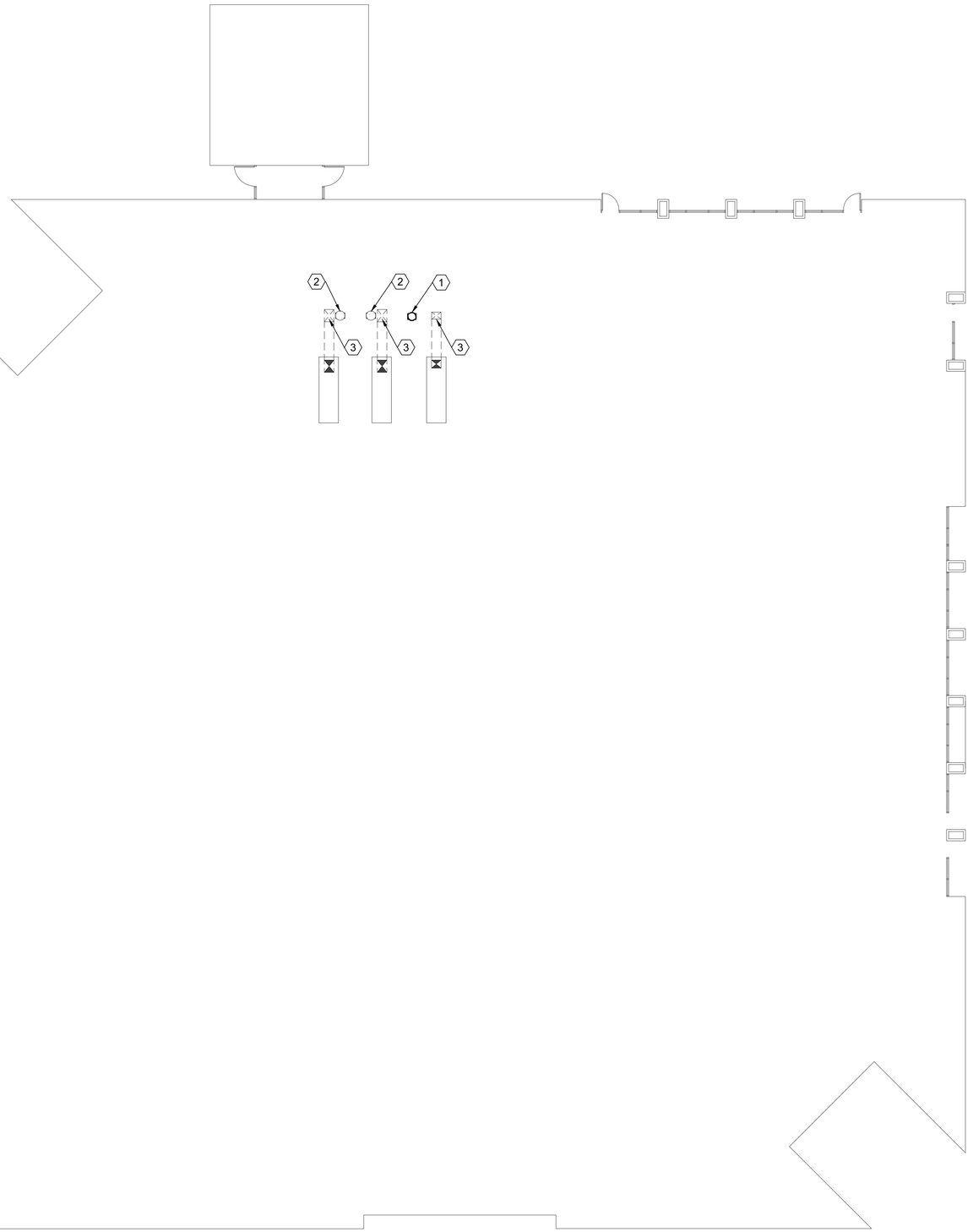
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

CAFETERIA MECHANICAL DEMOLITION FLOOR PLAN

MD101
SHEET OF



SHEET NOTES:

1. REMOVE EXISTING EXHAUST FAN ON ROOF. FIELD VERIFY EXACT LOCATION.
2. EXISTING EXHAUST FAN SHALL REMAIN.
3. EXISTING MAKE-UP SHALL REMAIN.

MD2 ROOF MECHANICAL DEMOLITION PLAN

3/32"=1'-0"

N

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SNOW COLLEGE
150 E. College Way
Ephriam, Utah

MARK	DATE	DESCRIPTION

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HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	LGD
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DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

ROOF MECHANICAL DEMOLITION PLAN

MD102

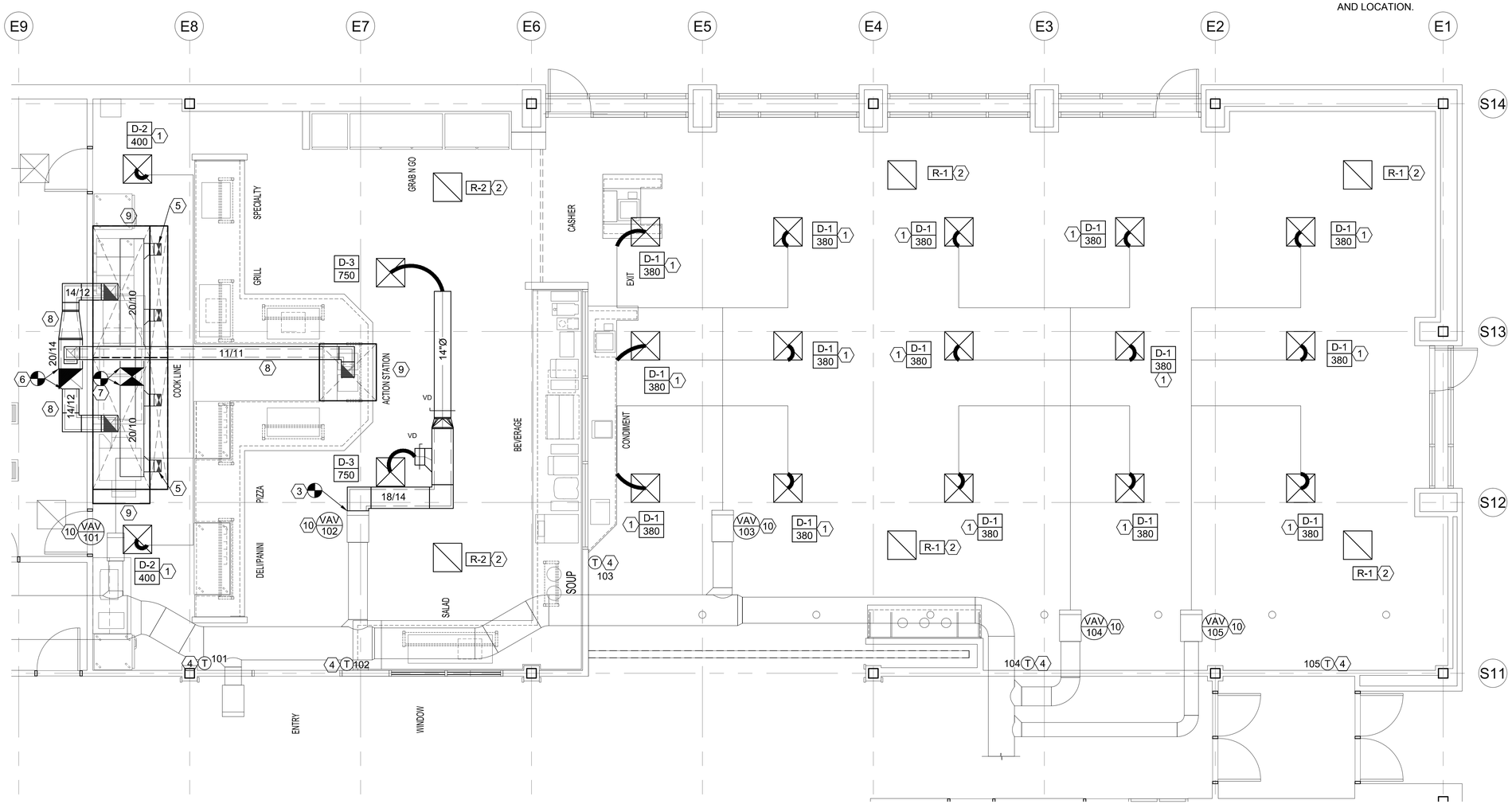
SHEET OF

SHEET NOTES CONT:

7. PROVIDE NEW MAKE-UP AIR DUCT. TIE INTO EXISTING MAKE-UP AIR DUCT AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO FABRICATION.
8. PROVIDE WELDED STAINLESS STEEL GREASE DUCT. COORDINATE WITH G.C. TO PROVIDE RATED SHAFT.
9. BALANCE NEW FAN FOR BOTH HOODS. SEE FOOD SERVICE PLANS FOR EXACT REQUIREMENTS.
10. EXISTING VAV BOX SHALL REMAIN. TIE INTO NEW THERMOSTAT

SHEET NOTES:

1. PROVIDE NEW CEILING DIFFUSER IN THIS APPROXIMATE LOCATION TO FIT WITH NEW CEILING GRID. PROVIDE FLEX TO EXTEND TO NEW DIFFUSER LOCATION. RE-BALANCE TO VALUE SHOWN.
2. PROVIDE NEW CEILING REGISTER IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
3. PROVIDE NEW SUPPLY DUCT IN THIS APPROXIMATE LOCATION.
4. PROVIDE NEW DDC THERMOSTAT IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
5. CONNECT 10/4 MAKE-UP AIR DUCTS (TYP. OF 4) TO KITCHEN HOOD SUPPLY COLLAR. COORDINATE WITH FOOD SERVICE EQUIPMENT.
6. PROVIDE NEW EXHAUST DUCT. TIE INTO EXISTING EXHAUST DUCT AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO FABRICATION. TIE INTO HOOD BY FOOD SERVICE SUPPLIER. COORDINATE EXACT SIZE AND LOCATION.



ME1 CAFETERIA MECHANICAL FLOOR PLAN
1/4"=1'-0"

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DRAWN BY:	LGD
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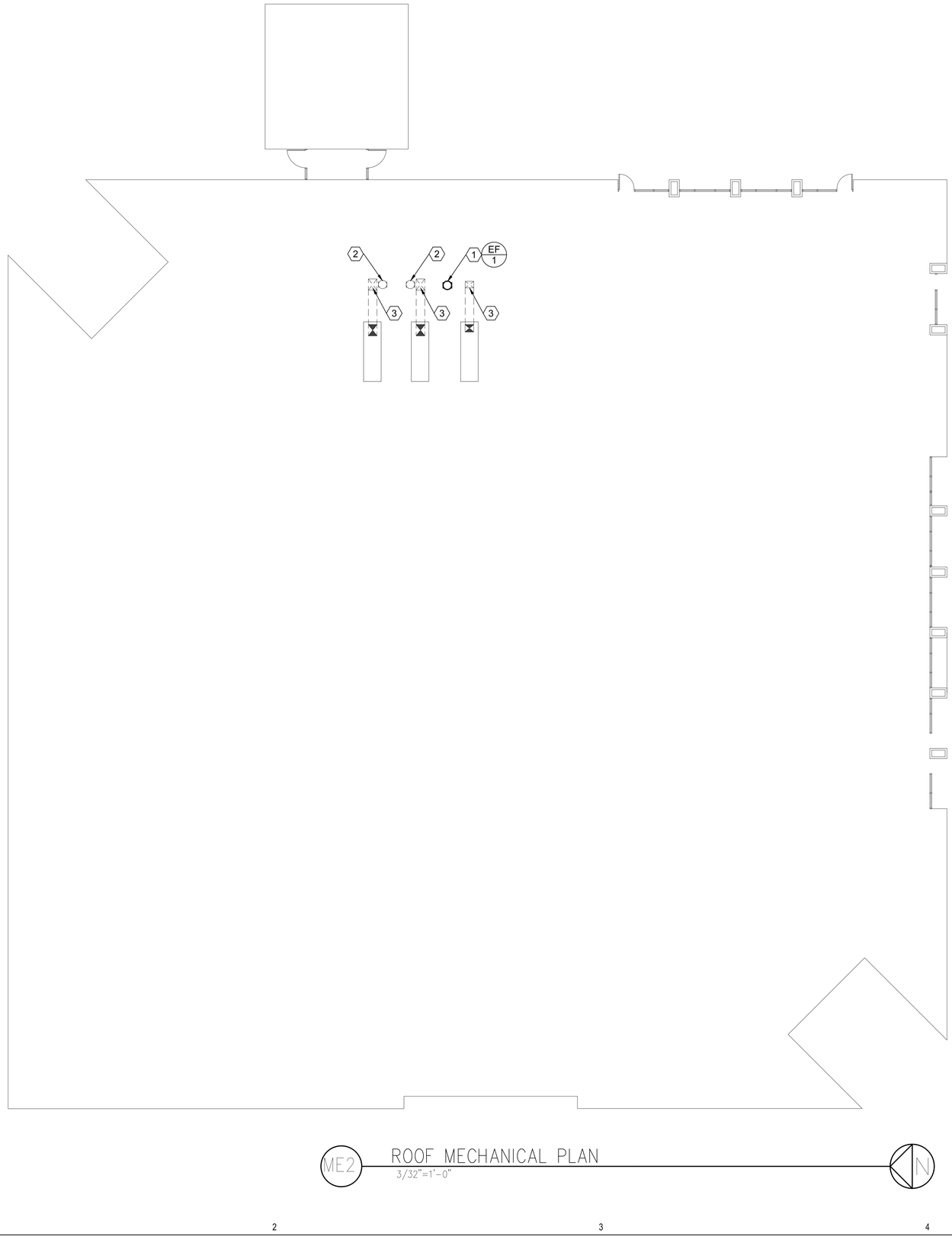
DESIGNED BY:	WP
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

CAFETERIA MECHANICAL FLOOR PLAN

ME101

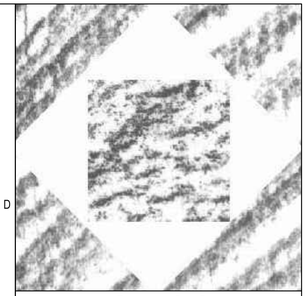
SHEET OF



ROOF MECHANICAL PLAN
3/32"=1'-0"

SHEET NOTES:

1. PROVIDE NEW EXHAUST FAN (EF-1) ON ROOF. TIE INTO EXISTING EXHAUST DUCT AT THIS APPROXIMATE LOCATION. SEE DETAIL B3/ME501. FIELD VERIFY SIZE OF EXHAUST DUCT AND EXACT LOCATION.
2. EXISTING EXHAUST FAN SHALL REMAIN.
3. EXISTING MAKE-UP SHALL REMAIN.



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SNOW COLLEGE KITCHEN REMODEL

SNOW COLLEGE
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DATE:	MARCH 23, 2012
AGENCY PROJECT NO:	
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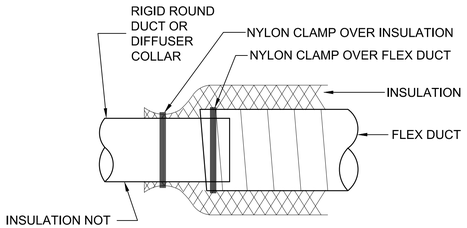
CAD DWG FILE NO:	
DRAWN BY:	LGD
CHECKED BY:	WP
DESIGNED BY:	WP
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

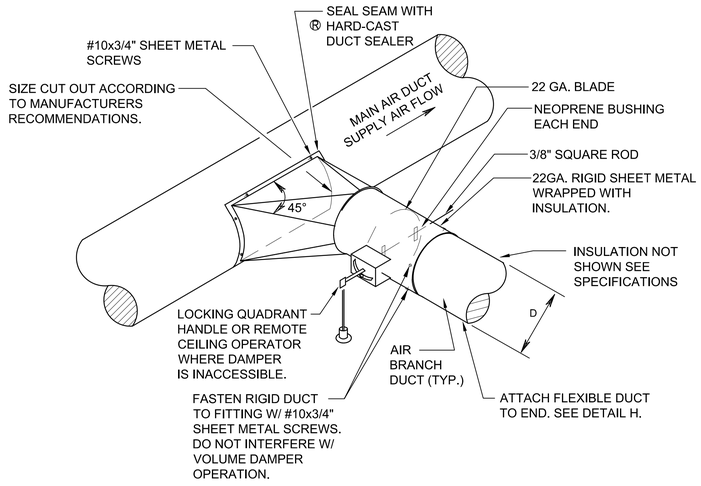
MECHANICAL ROOF PLAN

ME102

SHEET OF



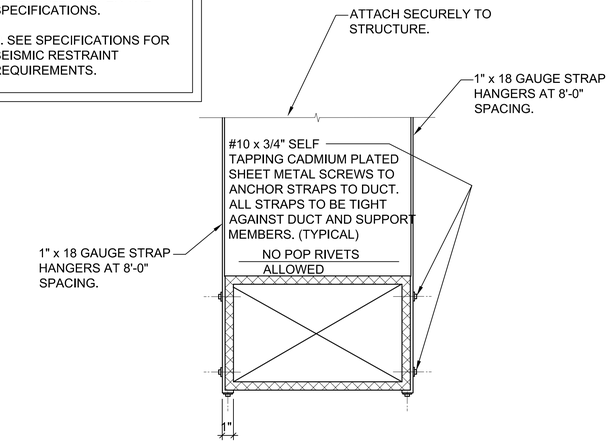
DETAIL H
SCALE: NONE



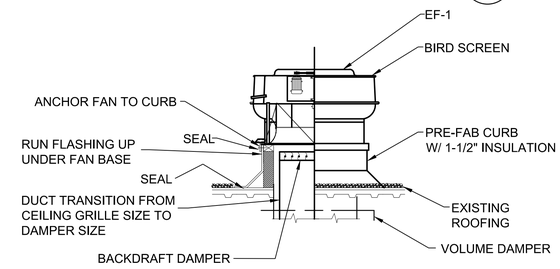
C1 ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL
SCALE: NONE

NOTES:
1. DUCT OUTSIDE OF BUILDING ENVELOPE SHALL BE WRAPPED EXTERNALLY AS PER THE SPECIFICATIONS.

2. SEE SPECIFICATIONS FOR SEISMIC RESTRAINT REQUIREMENTS.



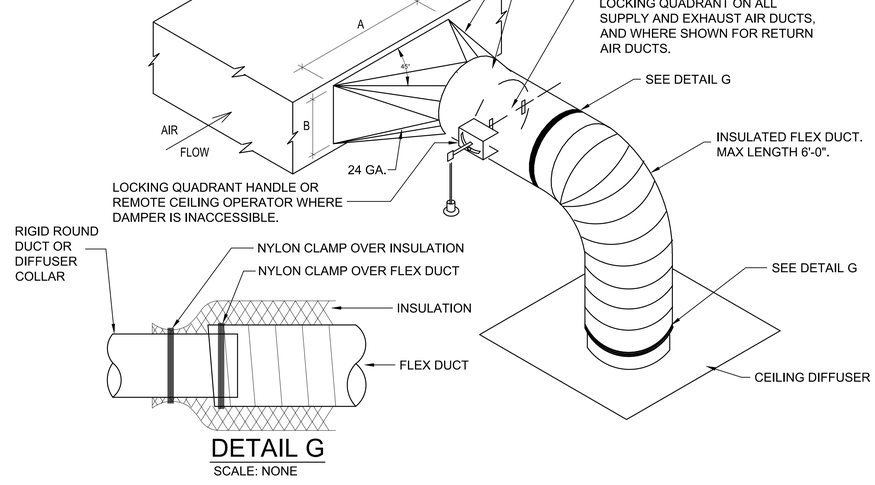
C4 DUCT STRAP HANGER DETAIL
SCALE: NONE



B3 ROOF MOUNTED EXHAUST FAN DETAIL
SCALE: NONE

NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

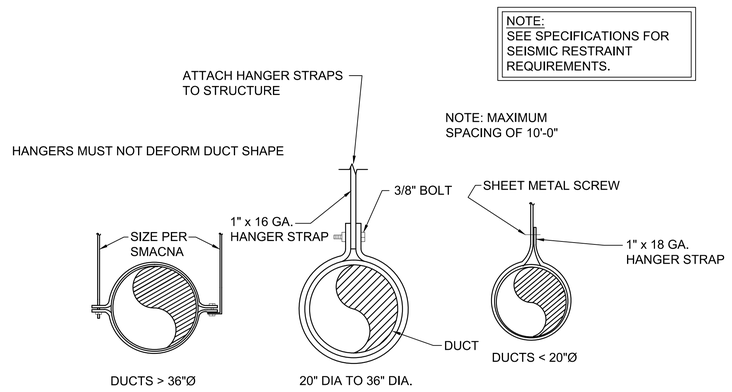
NOTE: AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT



DETAIL G
SCALE: NONE

A1 SQUARE-TO-ROUND TAKE-OFF DETAIL
SCALE: NONE

NOTE:
SEE SPECIFICATIONS FOR SEISMIC RESTRAINT REQUIREMENTS.



A4 ROUND DUCT SUPPORT DETAIL
SCALE: NONE

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WINWARD M. PACKER
No. 375080
STATE OF UTAH

SNOW COLLEGE KITCHEN REMODEL

SNOW COLLEGE
150 E. College Way
Ephriam, Utah

MARK	DATE	DESCRIPTION

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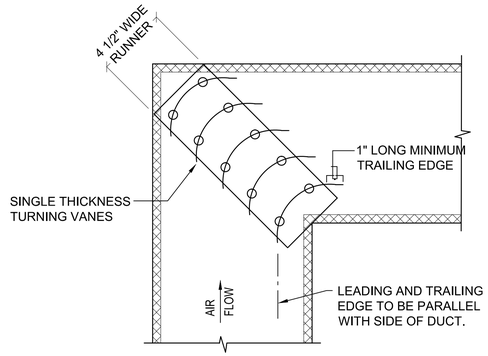
AGENCY PROJECT NO:	
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	LGD
CHECKED BY:	WP
DESIGNED BY:	WP
DWG TYPE:	FOOD SERVICE EQUIPMENT
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

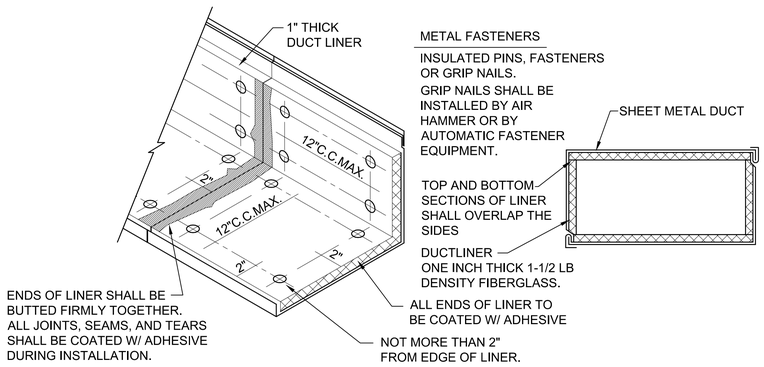
MECHANICAL DETAILS

ME501

SHEET OF



D1 SINGLE THICKNESS TURNING VANE DETAIL
SCALE: NONE



B1 DUCT LINER DETAIL
SCALE: NONE

EXHAUST FAN SCHEDULE

SYMBOL	MANUFACTURER & MODEL No.	SERVES	C.F.M.	STATIC PRESSURE IN. WG.	MAX NOISE SONES	MOTOR			OPER. WT. (LBS)	SCHEDULE NOTES
						V - Ø - Hz	HP	RPM		
EF 1	COOK 270 VCR-XP	KITCHEN	5100	2.5	40	460/3/60	5	1750	415	1,2,3,4

1. SEE SPECIFICATIONS FOR APPROVED MANUFACTURER'S.
2. PROVIDE WITH STANDARD 14"Ø GALVANIZED CURB.
3. PROVIDE WITH STANDARD PRE-WIRED DISCONNECT.
4. PROVIDE WITH HINGED SUB-BASE KIT.

VAV BOX SCHEDULE

SYMBOL	INLET DIA. (INCHES)	COOLING			MAX HEATING CFM	SCHEDULE NOTES
		MAX CFM	MIN CFM	MX APD (IN)		
VAV 101	12"	800	240	.05	400	1
VAV 102	16"	1500	450	.05	750	1
VAV 103	16"	2280	685	.05	1140	1
VAV 104	16"	2280	685	.05	1140	1
VAV 105	14"	1140	345	.05	570	1

1. EXISTING BOX SHALL REMAIN. RE-BALANCE AS SHOWN.

REGISTER, LOUVER & GRILLE SCHEDULE

SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	CEILING TYPE	SCHEDULE NOTES
R-1	CEILING	RETURN	400	12/12	LAY-IN	1,2,3,4
R-2	CEILING	RETURN	800	18/18	LAY-IN	1,2,3,4

REGISTER. LOUVER AND DIFFUSER SCHEDULE NOTES:

1. MAXIMUM NC = 25 @ MAXIMUM CFM NOTED.
2. SHALL BE PRICE 535 OR EQUAL BY OTHER APPROVED MANUFACTURERS.
3. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
4. FINISH SHALL BE STANDARD WHITE.
5. FINISH TO BE SPECIFIED BY ARCH

DIFFUSER SCHEDULE

SYMBOL	TYPE	MAX CFM	FACE SIZE	NECK SIZE	CEILING TYPE	BLOW	PATTERN	SCHEDULE NOTES
D-1 CFM	CEILING	380	24/24	10"Ø	LAY-IN	4--WAY		1,2,3,4,5
D-2 CFM	CEILING	600	24/24	12"Ø	LAY-IN	4--WAY		1,2,3,4,5
D-3 CFM	CEILING	800	24/24	14"Ø	LAY-IN	4--WAY		1,2,3,4,5

1. PROVIDE LAY-IN CEILING AND BORDER / MODULE AS REQUIRED. SEE ARCHITECTURAL CEILING PLANS.
2. MAXIMUM NC 25 AT CFM LISTED.
3. PROVIDE TRANSITION TO DIFFUSER NECK SIZE AS REQUIRED TO DUCT WORK SHOWN ON PLAN.
4. DIFFUSER SHALL BE PRICE MODEL SMD OR EQUAL BY APPROVED MANUFACTURER IN SPECIFICATIONS.
5. FINISH SHALL BE STANDARD WHITE.

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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

MECHANICAL SCHEDULES

ME601
SHEET OF

PLUMBING GENERAL NOTES:

G-1 ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2009 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-2 ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC OR NFPA CODES OR BY LOCAL AUTHORITY

G-3 GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

G-4 ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

G-5 PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

G-6 ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

G-7 THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

G-8 COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

G-9 ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

G-10 GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.

G-11 ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

G-12 WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

G-13 WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

WATER HAMMER ARRESTOR SCHEDULE:

TYPE A	1-11 FIXTURE UNITS
TYPE B	12-32 FIXTURE UNITS
TYPE C	33-60 FIXTURE UNITS
TYPE D	61-113 FIXTURE UNITS

PLUMBING LEGEND

MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE		WALL CLEANOUT	WCO
COLD WATER LINE		CLEANOUT	CO
HOT WATER RECIRCULATING LINE		CLEANOUT TO GRADE	COTG
VENT LINE		FLOOR CLEANOUT	FCO
WASTE LINE		BALL VALVE	
GAS LINE		UNION	
VENT THRU ROOF	VTR	CONNECTION TO EXISTING PIPING	
UNDER FLOOR	UF	REGULATOR	
SANITARY SEWER	SS	SOFT WATER	SW
PRIMARY ROOF DRAIN (PRD)	PD	SECONDARY ROOF DRAIN (SRD)	SD

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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

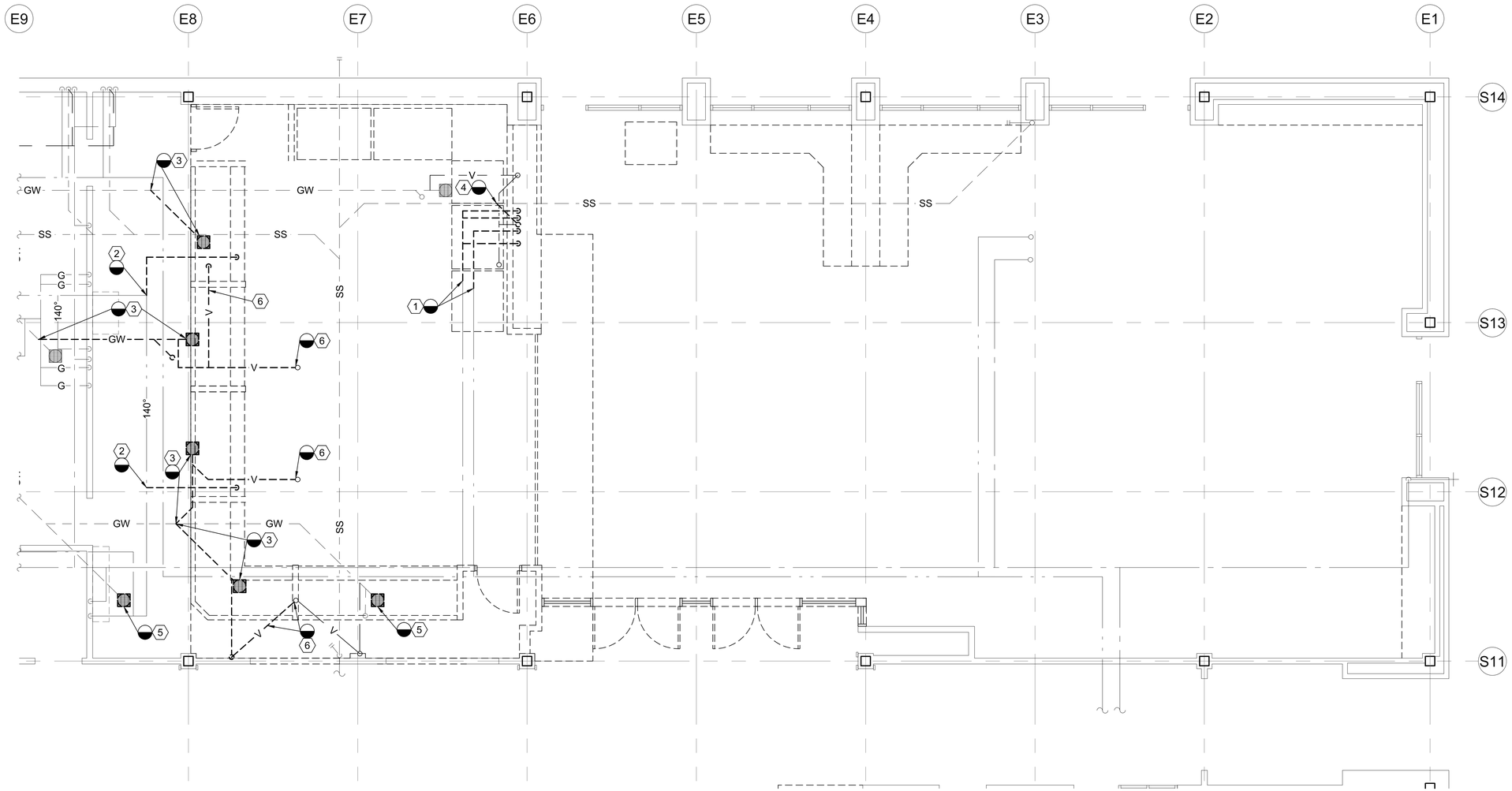
PLUMBING GENERAL NOTES AND LEGEND

PG001

SHEET OF

SHEET NOTES:

1. REMOVE EXISTING HOT AND COLD WATER PIPING TO POINT SHOWN.
2. REMOVE 140° HOT WATER PIPING TO POINT SHOWN.
3. REMOVE EXISTING FLOOR SINK AND SECTION OF GREASE WASTE PIPING. FIELD VERIFY.
4. REMOVE EXISTING SANITARY SEWER PIPING TO POINT SHOWN.
5. REMOVE EXISTING FLOOR SINK.
6. REMOVE EXISTING VENT PIPING IN THIS APPROXIMATE LOCATION.



PD1 CAFETERIA PLUMBING DEMOLITION FLOOR PLAN
1/4"=1'-0"

N

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SHEET TITLE

PLUMBING DEMOLITION FLOOR PLAN

PD101
SHEET OF

SHEET NOTES:

8 PROVIDE NEW VENT PIPING. TIE INTO EXISTING VENT RISER.

9 CONNECT NEW PIPING TO EQUIPMENT, EQUIPMENT PROVIDED BY THE KITCHEN CONTRACTOR. STACKED PIZZA OVEN, GRILL, BROILER, AND WALL MOUNT SALAMANDER ETC.

SHEET NOTES:

1 PROVIDE NEW HOT AND COLD WATER PIPING. TIE INTO EXISTING HOT AND COLD WATER PIPING AT THIS APPROXIMATE LOCATION. VERIFY SIZE AND LOCATION OF PIPING.

2 PROVIDE NEW 2"Ø SANITARY SEWER PIPING. TIE INTO EXISTING 4"Ø SANITARY SEWER PIPING AT THIS APPROXIMATE LOCATION. FIELD VERIFY.

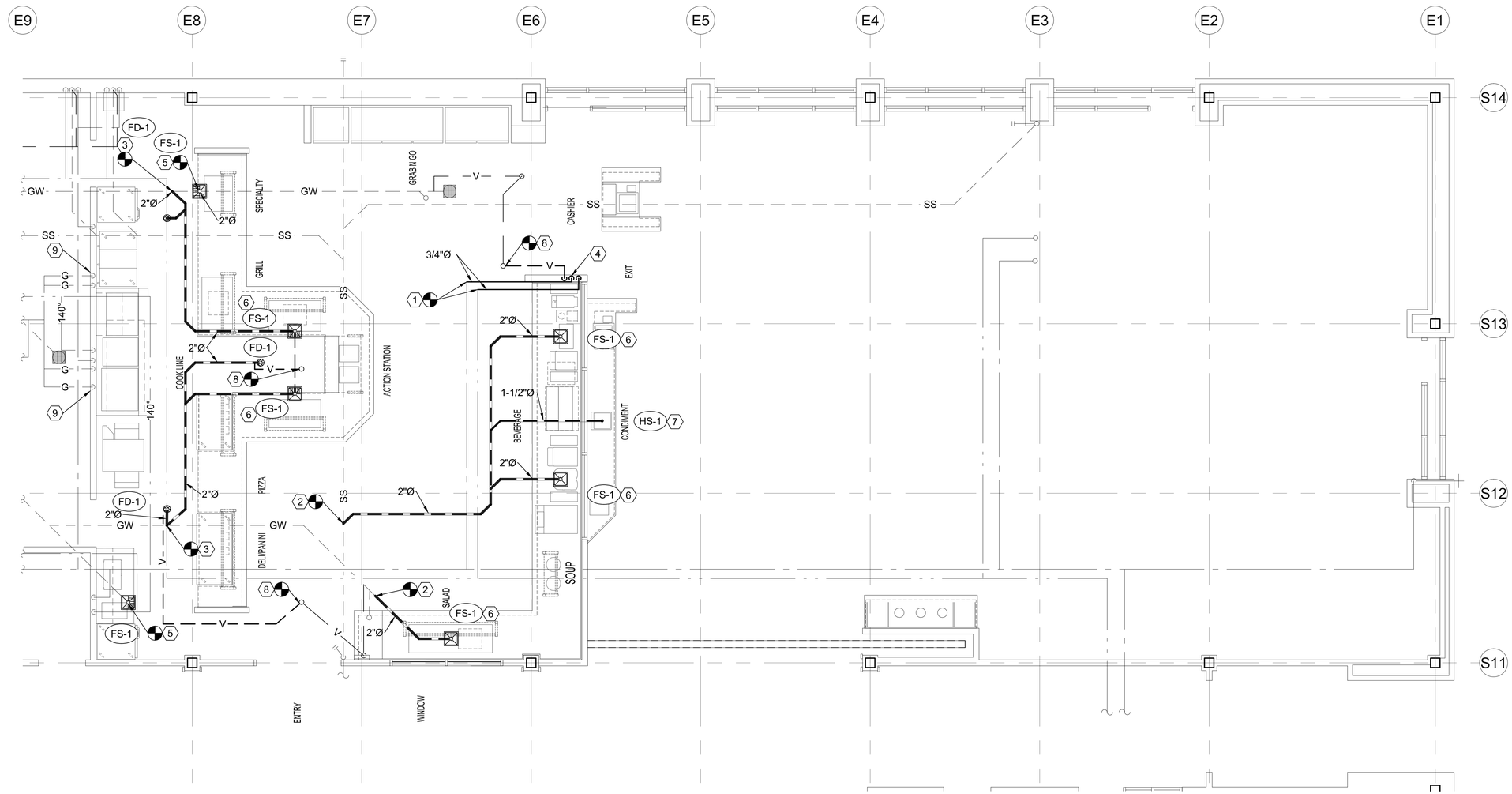
3 PROVIDE FLOOR DRAIN. PATCH AND FILL TO FIT FLOOR DRAIN. TIE INTO EXISTING GREASE WASTE PIPING.

4 CONNECT NEW PIPING TO EQUIPMENT, EQUIPMENT PROVIDED BY THE KITCHEN CONTRACTOR. COFFEE BREWER, SODA AND ICE DISPENSER.

5 PROVIDE NEW FLOOR SINK IN THIS APPROXIMATE LOCATION. TIE INTO EXISTING EXISTING SEWER.

6 PROVIDE NEW FLOOR SINK IN THIS APPROXIMATE LOCATION.

7 PROVIDE NEW HAND SINK (HS-1).



PE1 CAFETERIA PLUMBING FLOOR PLAN
1/4"=1'-0"

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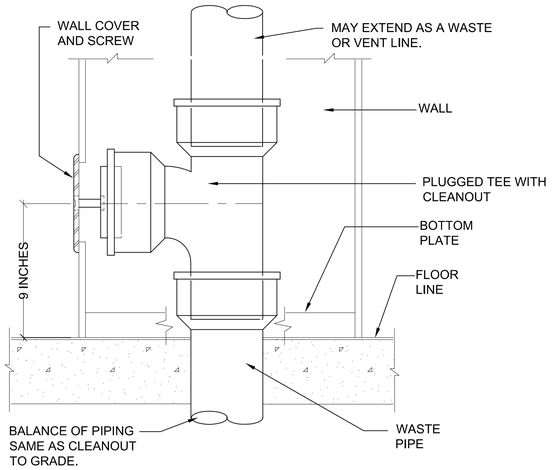
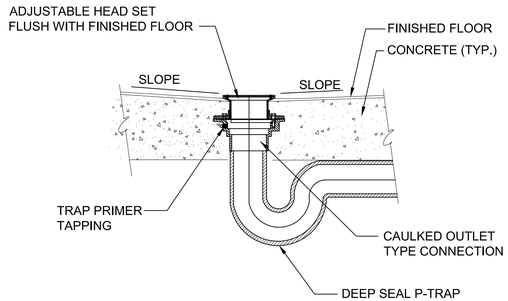
PE101
SHEET OF



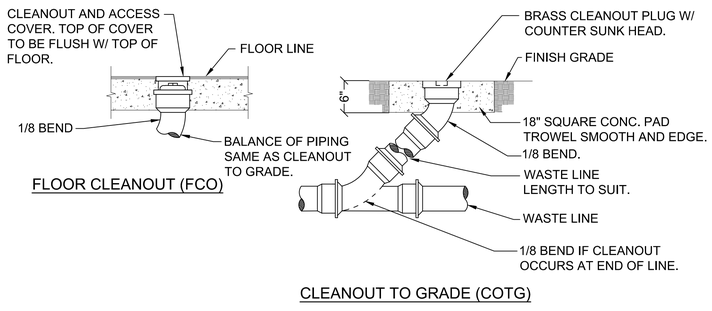
C2 WALL CLEAN-OUT DETAIL
SCALE: NONE

PLUMBING FIXTURE SCHEDULE

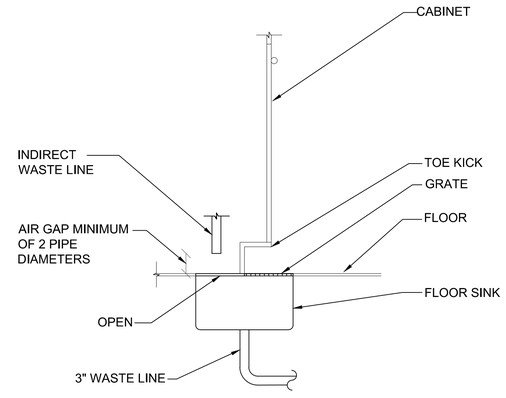
SYMBOL	FIXTURE	INDIVIDUAL LINE SIZES					REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER	
FD-1	FLOOR DRAIN	2"	2"	2"	-	-	PROVIDE WITH TRAP GUARD
FS-1	FLOOR SINK	2"	2"	2"	-	-	9x9 FLOOR SINK WITH FULL GRATE AND DOME STRAINER
HS-1	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT STAINLESS STEEL COUNTER MTD. SINK. COORDINATE SIZE WITH ARCH. AND KITCHEN PLANS



C4 FLOOR DRAIN DETAIL
SCALE: NONE



A2 CLEAN-OUT DETAILS
SCALE: NONE



A4 FLOOR SINK DETAIL
SCALE: NONE

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SHEET TITLE

PLUMBING DETAILS

PE501

SHEET OF

FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	VOLTS	LAMPS
A24	24' LINEAR DIRECT/INDIRECT WITH PERFORATED HOUSING. PROVIDE WITH ELECTRONIC BALLAST. FIXTURE TO BE WIRED FOR DUAL SWITCHING	CORELITE AP-S-P-2-T8-2-C-277-A-C-48"-24'	277	(2) F032/835/ECO 3100 LUMEN
A28	28' LINEAR DIRECT/INDIRECT WITH PERFORATED HOUSING. PROVIDE WITH ELECTRONIC BALLAST. FIXTURE TO BE WIRED FOR DUAL SWITCHING	CORELITE AP-S-P-2-T8-2-C-120-A-C-48"-28'	277	(2) F032/835/ECO 3100 LUMEN
A28E	28' LINEAR DIRECT/INDIRECT WITH PERFORATED HOUSING. PROVIDE WITH ELECTRONIC BALLAST. FIXTURE TO BE WIRED FOR DUAL SWITCHING, WIRE CENTER LAMP IN FIRST AND LAST SECTION TO SEPARATE CIRCUIT FOR EGRESS LIGHTING.	CORELITE AP-S-P-3-T8-2-C-120-A-C-48"-28'	277	(3) F032/835/ECO 3100 LUMEN
B	RECESSED CAN WITH FROSTED ACRYLIC LENS. FIXTURE HOUSING TO BE 12" SQUARE.	CORELITE RM-W-L-2-26-1-C-120-11-CC	277	(2) 26W CFL 3500K
C	6" LED RECESSED CAN WITH WIDE BEAM DISTRIBUTION WITH 1500 DELIVERED LUMENS.	PORTFOLIO LD6-15--ERW6-835-6LWD-H-WF	277	LED INCLUDED
P	LED PENDANT BRUSHED MATT CHROME FINISH COORDINATE PENDNT LEGTH WITH ARCHITECT	BRUCK RAINBOW II-222-919-MC-MP	277	LED INCLUDED
X1	LED EXIT SIGN WITH WHITE THERMO-PLASTIC HOUSING. PROVIDE WITH GREEN LETTERS. UNIVERSAL MOUNT.	LITHONIA LQM-S-W-3-G-120/277	120/277	N/A

LIGHT FIXTURE ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS WILL NECESSARILY BE USED.

A.F.F.	ABOVE FINISH FLOOR
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT
SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT
MOD	MODIFY STANDARD LIGHT FIXTURE AS INDICATED

LIGHT FIXTURE GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOUVER REQUIREMENTS AS REQUIRED.
5. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.

BIDDING REQUIREMENTS

1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED.
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTORS.
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

PRIOR APPROVAL REQUIREMENTS

1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
3. PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTAL AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED.
4. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVAL WILL NOT BE GIVEN ON ANY ITEM.
5. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
6. PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE NOT ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
7. SUPPLY POINT-BY-POINTS AS REQUIRED BY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. SAMPLE FIXTURES MUST BE SUPPLIED WITH A CORD, PLUG AND 120V BALLAST.

LIGHTING SHOP DRAWING REQUIREMENTS

1. REFER TO SPECIFICATIONS 16001, 16510 & 16551.
2. MUST INCLUDE BALLAST AND LAMP CUT SHEETS.
3. LINEAR LIGHTING MUST INCLUDE DETAILED DRAWINGS WITH SUPPORT DETAILS, STEM LOCATIONS AND HAVE ALL LENGTHS IDENTIFIED WITH STEM LOCATIONS.
4. COLOR SAMPLES MUST BE INCLUDED IN FIRST SUBMITTAL.
5. CUT SHEETS MUST BE STAMPED WITH THE FACTORY REPRESENTATIVE'S COMPANY NAME.
6. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, OWNER, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.
7. PROVIDE A LIST OF SPARE PARTS, EQUIPMENT & LAMPS.

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.
4. SEE SECTION 16510 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.

DEMOLITION NOTES

1. COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 16.
2. RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
3. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
4. LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
5. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
6. REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
7. REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
8. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
9. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

INDEX OF ELECTRICAL DRAWINGS

ELECTRICAL SYMBOL SCHEDULE

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISH FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT TO BE THE LOWER OF EITHER 80" A.F.F. OR 6" BELOW CEILING.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
9. COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT DENOTES NEMA CONFIGURATION.
11. HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.

* TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL		
	TWO CIRCUIT, HOME RUN TO PANEL		
	THREE CIRCUIT, HOME RUN TO PANEL		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CAP CONDUIT	
	CONDUIT/CIRCUIT CONTINUATION		
	CABLE TRAY	AS NOTED	
	CEILING LIGHT FIXTURE	CEILING	1.
	WALL LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
	RECESSED WALL-WASH FIXTURE	CEILING	1.
	FLUORESCENT LIGHT FIXTURE	AS NOTED	1
	FLUORESCENT EGRESS LIGHT FIXTURE	AS NOTED	UNSWITCHED
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	SEE DIAGRAM
	FLOOD OR TRACK FIXTURE	AS NOTED	
	CEILING MOUNTED EXIT LIGHT	CEILING	1.3.8.
	WALL MOUNTED EXIT LIGHT	AS NOTED	1.3.8.
$	SINGLE POLE SWITCH	+4'-0"	2.
$a	SINGLE POLE SWITCH	+4'-0"	4. 2.
$3	THREE-WAY SWITCH	+4'-0"	2.
$4	FOUR-WAY SWITCH	+4'-0"	2.
$K	KEY OPERATED SWITCH	+4'-0"	2.
$P	SWITCH WITH PILOT LIGHT	+4'-0"	2.
$D	VARIABLE INTENSITY SWITCH	+4'-0"	2.
$TM	TIMER SWITCH	+4'-0"	2.
$	MOMENTARY CONTACT SWITCH, CENTER POSITION OFF	+4'-0"	2.
	SINGLE GANG LV LIGHTING CONTROL WITH MULTIPLE BUTTONS	+4'-0"	2.
	OCCUPANCY SENSOR	CEILING	
	OCCUPANCY SENSOR	+4'-0"	2.
PP	POWER PACK	CEILING	SEE DIAGRAM, SPEC.
A	AUTOMATIC RELAY PACK	CEILING	SEE DIAGRAM. SPEC.
T	LOW VOLTAGE TRANSFORMER		
P	PHOTO-ELECTRIC CONTROL	AS NOTED	TORK 2000A
D	DIGITAL DAY-LIGHT SENSOR	CEILING	SEE DIAGRAM, SPECIFICATION
TC	TIME CLOCK	+5'-0"	2.
	DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM SPECIFICATION
	DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED	+16" OR AS NOTED	9. 11.
	SIMPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
A	DUPLEX RECEPTACLE		9.
W	ELECTRIC WATER COOLER RECEPTACLE		SEE DIAGRAM
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.
IG	ISOLATED GROUND RECEPTACLE	+16" OR AS NOTED	9. 11.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9. 11.
	FOURPLEX RECEPTACLE	+16" OR AS NOTED	9. 11.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9. 11.
	TVSS PROTECTED RECEPTACLE	+16" OR AS NOTED	9. 11.
	FLOOR OUTLET WITH 20A DEVICE	FLOOR	
	MULTIPLE SERVICE FLOOR BOX	FLOOR	
	SPECIAL PURPOSE OUTLET	+16" OR AS NOTED	10. WITH CAP. 11.
	CORD DROP		SEE DIAGRAM
	CORD REEL		SEE DIAGRAM
	PLUGMOLD	+46" OR AS NOTED	
	TELEVISION OUTLET	+16" OR AS NOTED	11.
	DATA OUTLET W/(1) JACK AND CABLE	+16" OR AS NOTED	9. 11.
	DATA OUTLET W/(2) JACK AND CABLE	+16" OR AS NOTED	9. 11.
	DATA OUTLET W/(3) JACK AND CABLE	+16" OR AS NOTED	9. 11.
X	DATA OUTLET W/MORE THEN (3) JACK AND CABLE	+16" OR AS NOTED	9. 11.
	WIRELESS ACCESS POINT	CEILING	
	CALL SWITCH	+4'-0"	2.
C	CLOCK OUTLET	+7'-6"	8.
J	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
	MOTOR OUTLET	TO SUIT EQUIP.	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	PUSHBUTTON	+4'-0"	2.
	NON-FUSED DISCONNECT SWITCH	+5'-0"	5.
F	FUSED DISCONNECT SWITCH	+5'-0"	5.
T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+4'-0"	2.
	MAGNETIC STARTER	+5'-0"	7.
	MAGNETIC STARTER / DISCONNECT COMBINATION	+5'-0"	
VFD	VARIABLE FREQUENCY DRIVE	+6'-6"	
	PANEL BOARD	TOP AT +6'-0"	
	MAIN DISTRIBUTION PANEL		
	TELEPHONE TERMINAL BOARD		
	BELL	+7'-6"	
	CHIME	+7'-6"	
F	FIRE ALARM MANUAL STATION	+4'-0"	2.
H	FIRE ALARM SIGNAL HORN/STROBE PROJECTORS	+6'-8"	6.
H	FIRE ALARM SIGNAL HORN/STROBE	+6'-8"	6.
H	CONCEALED FIRE ALARM SIGNAL HORN/STROBE	+6'-8"	6.
H	CONCEALED FIRE ALARM SIGNAL HORN/STROBE	CEILING	
E	FIRE ALARM SIGNAL SPEAKER/STROBE	+6'-8"	6.
E	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE	+6'-8"	6.
E	CONCEALED FIRE ALARM SIGNAL SPEAKER/STROBE	CEILING	
S	FIRE ALARM STROBE	+6'-8"	6.
S	CONCEALED FIRE ALARM SIGNAL STROBE	+6'-8"	6.
S	CONCEALED FIRE ALARM SIGNAL STROBE	CEILING	
K	FIRE ALARM SPEAKER ONLY	+6'-8"	6.
S	SMOKE DETECTOR	CEILING	
D	DUCT SMOKE DETECTOR		MTD. IN DUCT
SC	SMOKE/CABON MONOXIDE DETECTOR	CEILING	
C	CARBON MONOXIDE DETECTOR	CEILING	
H	HEAT DETECTOR	CEILING	
D	FIRE/SMOKE DAMPER		
	DOOR HOLDER	AS NOTED	
FS	FLOW SWITCH		
TS	TAMPER SWITCH		
WF	WATER FLOOD INDICATOR		
	O.S. & Y. VALVE		SEE DIAGRAM
R	FIRE ALARM RELAY		
CM	FIRE ALARM CONTROL MODULE		
MM	FIRE ALARM MONITOR MODULE		
D	DURESS PUSHBUTTON	+4'-0"	
D1	SECURITY SYSTEM DOOR SWITCH	DOOR JAMB	
D2	SECURITY SYSTEM OVERHEAD DOOR SWITCH	CEILING	MOUNT AS PER. MAN
ML	MAGNETIC SHEAR LOCK		
A	SECURITY SYSTEM KEYED ACCESS SWITCH	+4'-0"	2.
I	INFRARED SENSOR	AS NOTED	
M	SECURITY MOTION DETECTOR		MOUNT AS PER. MAN
G	GLASS BREAK DETECTOR	CEILING	
ES	ELECTRIC DOOR STRIKE		
CR	ACCESS CONTROL CARD READER	+4'-0"	2.
	CLOSED CIRCUIT TELEVISION CAMERA	AS NOTED	
	DOOR POSITION INDICATING SWITCH		
#	SOUND SYSTEM SPEAKER	+8'-0" OR AS NOTED	
IC	INTERCOM SPEAKER	AS NOTED	
	CLASSROOM AUDIO ENHANCEMENT SPEAKER	CEILING	
V	VOLUME CONTROL	+4'-0"	2.
SV	VOLUME CONTROL W/SOURCE SELECTOR	+4'-0"	2.
M	MICROPHONE OUTLET	+16"	11.
D	DUAL MICROPHONE OUTLET	+16"	11.
MW	MICROPHONE OUTLET W/ LINE LEVEL INPUT	+16"	11.
MU	MICROPHONE OUTLET W/ TAPE RECORDER JACK	+16"	11.
M	MICROPHONE FLOOR OUTLET	FLOOR	
M	MICROPHONE CEILING OUTLET	CEILING	
IR	INFARED WALL SENSOR	7'-0"	2.
IR	INFARED CEILING SENSOR	CEILING	SEE DIAGRAM, SPEC.
	SOUND EQUIPMENT CABINET		CIRCUIT TO 120V
842	ARCHITECTURAL ROOM NUMBER		
A	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
EQ 34	EQUIPMENT NUMBER		

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SNOW COLLEGE
KITCHEN REMODEL

SNOW COLLEGE

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
AGENCY PROJECT NO:	HF12053A
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

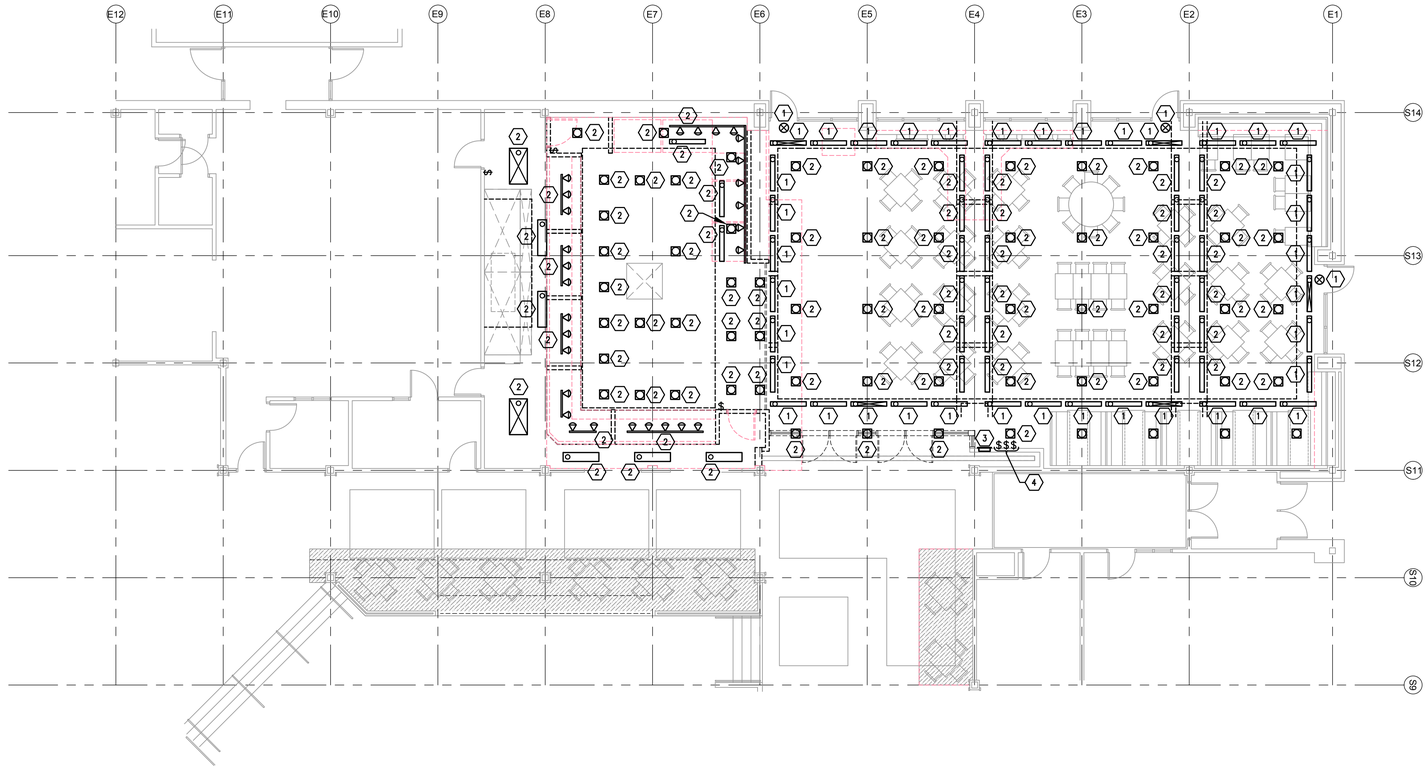
SHEET TITLE

SYMBOLS, SCHEDULES AND NOTES

EG001
SHEET OF

SHEET KEYNOTES

1. EXISTING LIGHT FIXTURE TO REMAIN.
2. EXISTING LIGHT FIXTURE TO BE REMOVED.
3. REMOVE EXISTING DIMMING CONTROL PANEL AND ALL ASSOCIATED EQUIPMENT.
4. EXISTING LIGHT SWITCHES TO REMAIN.



PLAN NORTH

LIGHTING DEMOLITION PLAN
1/8" = 1'-0"
0 4' 8' 16'

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DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

LIGHTING DEMOLITION PLAN

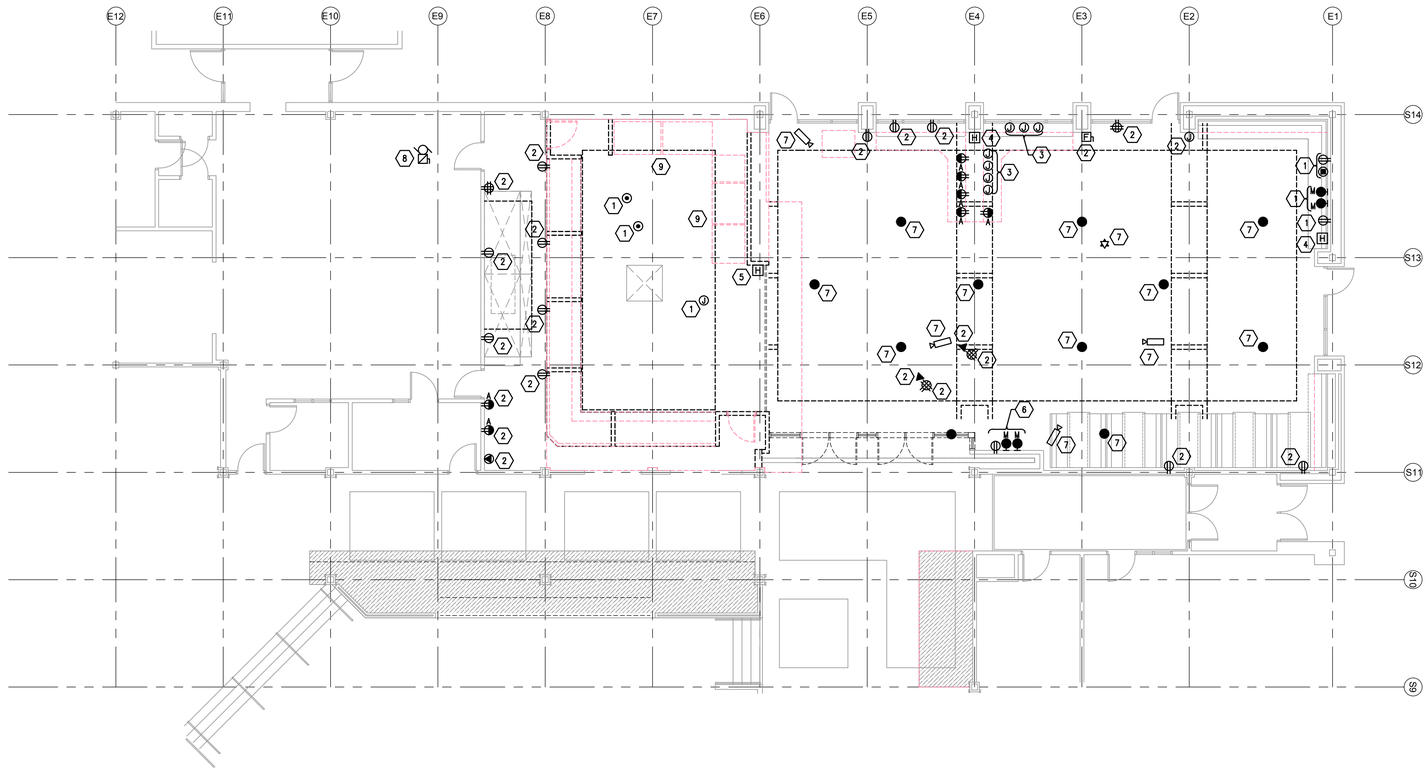
ED101
SHEET OF

GENERAL NOTES

1. REMOVE ALL ELECTRICAL ASSOCIATED WITH KITCHEN AND VENDING EQUIPMENT BEING REMOVED, INCLUDING WIRING DEVICES, RACEWAY, WIRING, ETC.

SHEET KEYNOTES

1. EXISTING TO REMAIN.
2. EXISTING TO BE REMOVED.
3. REMOVE CONNECTION TO EQUIPMENT BEING REMOVED.
4. EXISTING FIRE ALARM HORN/STROBE TO REMAIN.
5. EXISTING FIRE ALARM HORN/STROBE TO BE RELOCATED. SEE POWER PLAN FOR NEW LOCATION.
6. RELOCATE DEVICES ABOVE NEW MILLWORK.
7. REMOVE EXISTING DEVICE TO ALLOW FOR CEILING REMOVAL AND THEN REINSTALL IN NEW CEILING.
8. DISCONNECT ELECTRICAL SERVICE TO EXISTING EXHAUST FAN ON ROOF, TO BE REPLACED WITH NEW FAN. REMOVE EXISTING STARTER. EXISTING 480V/3P CIRCUIT TO SERVE NEW FAN.
9. REMOVE EXISTING ELECTRICAL CONNECTION ASSOCIATED WITH REACH-IN COOLER.



PLAN NORTH

POWER DEMOLITION PLAN
1/8" = 1'-0"
0 4' 8' 16'

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KITCHEN REMODEL

SNOW COLLEGE

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AGENCY PROJECT NO:	HF12053A
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

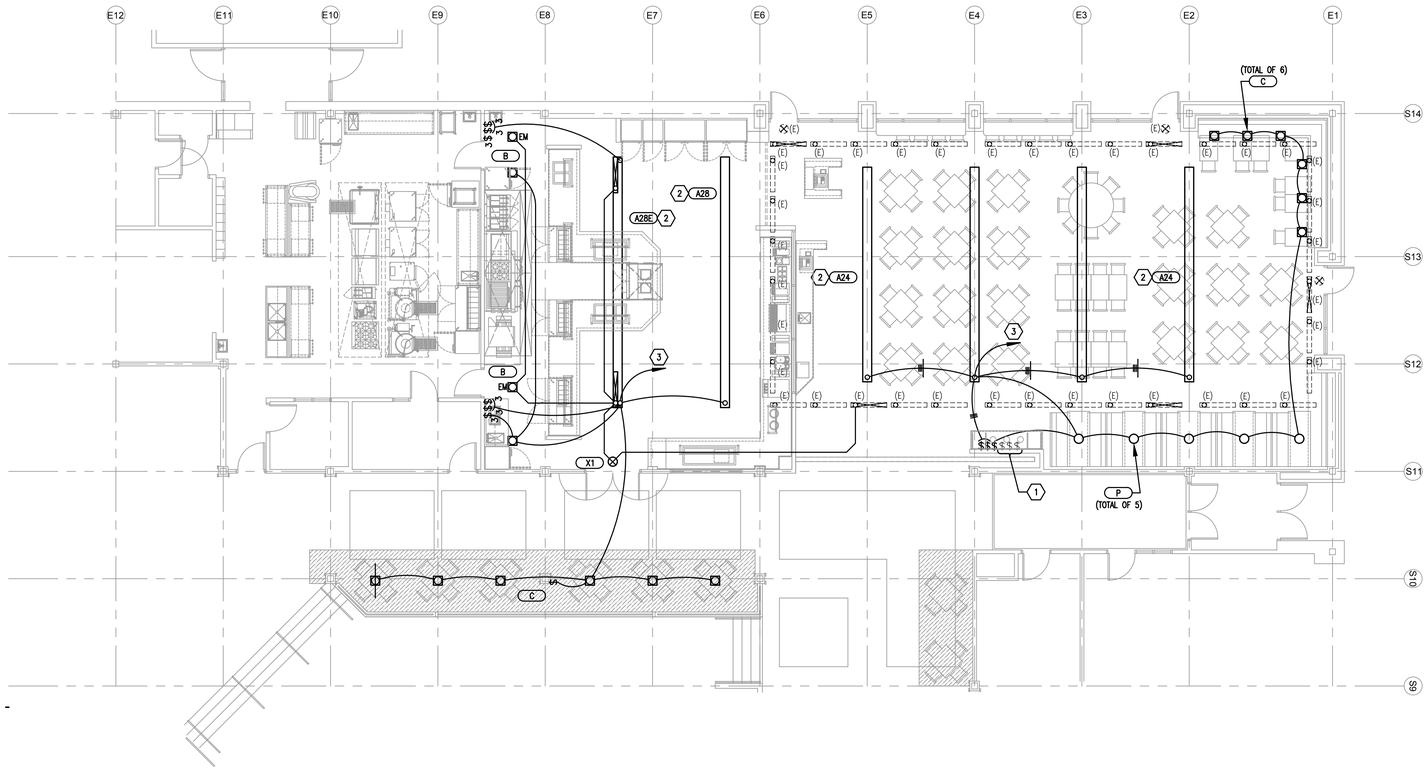
POWER DEMOLITION PLAN

ED102

SHEET OF

SHEET KEYNOTES

1. EXISTING SWITCHES CONTROLLING COVE LIGHTS.
2. FIXTURE WIRED FOR DUAL LEVEL SWITCHING.
3. CIRCUIT TO 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD 'IHB'. FIELD VERIFY PANELBOARD LOCATION AND ROUTING. WIRE 2#12 & #12 GND RUN IN 3/4" CONDUIT.



PLAN NORTH

LIGHTING PLAN
1/8" = 1'-0"

0 4' 8' 16'

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HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

LIGHTING PLAN

SHEET **EL101** OF

By: frank, Apr 23, 2012 - 3:08pm
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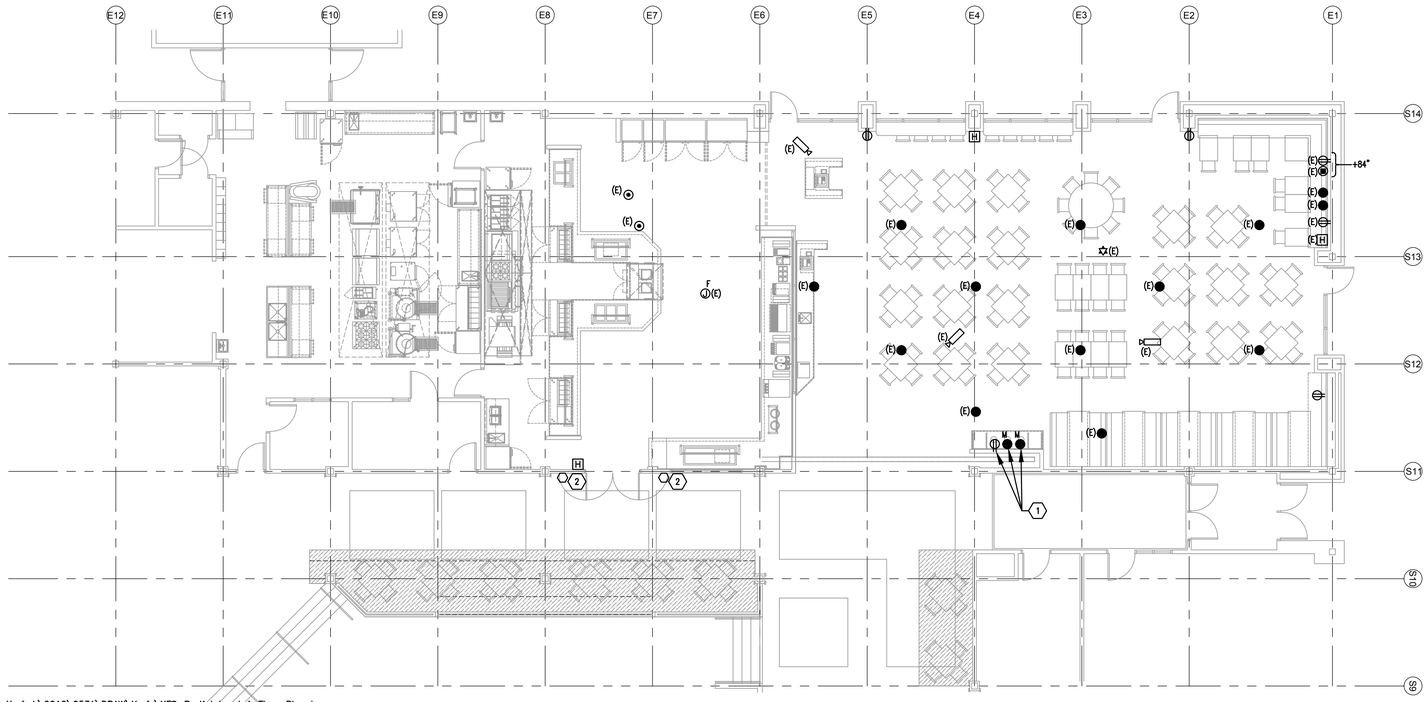
SHEET KEYNOTES

1. LOCATION OF RELOCATED DEVICE.
2. PROVIDE 24V MAGNETIC 35LB HOLD OPEN AND CONNECT TO EXISTING FIRE ALARM SYSTEM.



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PLAN NORTH

POWER PLAN

1/8" = 1'-0"

0 4' 8' 16'

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SNOW COLLEGE KITCHEN REMODEL

SNOW COLLEGE

MARK	DATE	DESCRIPTION

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HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

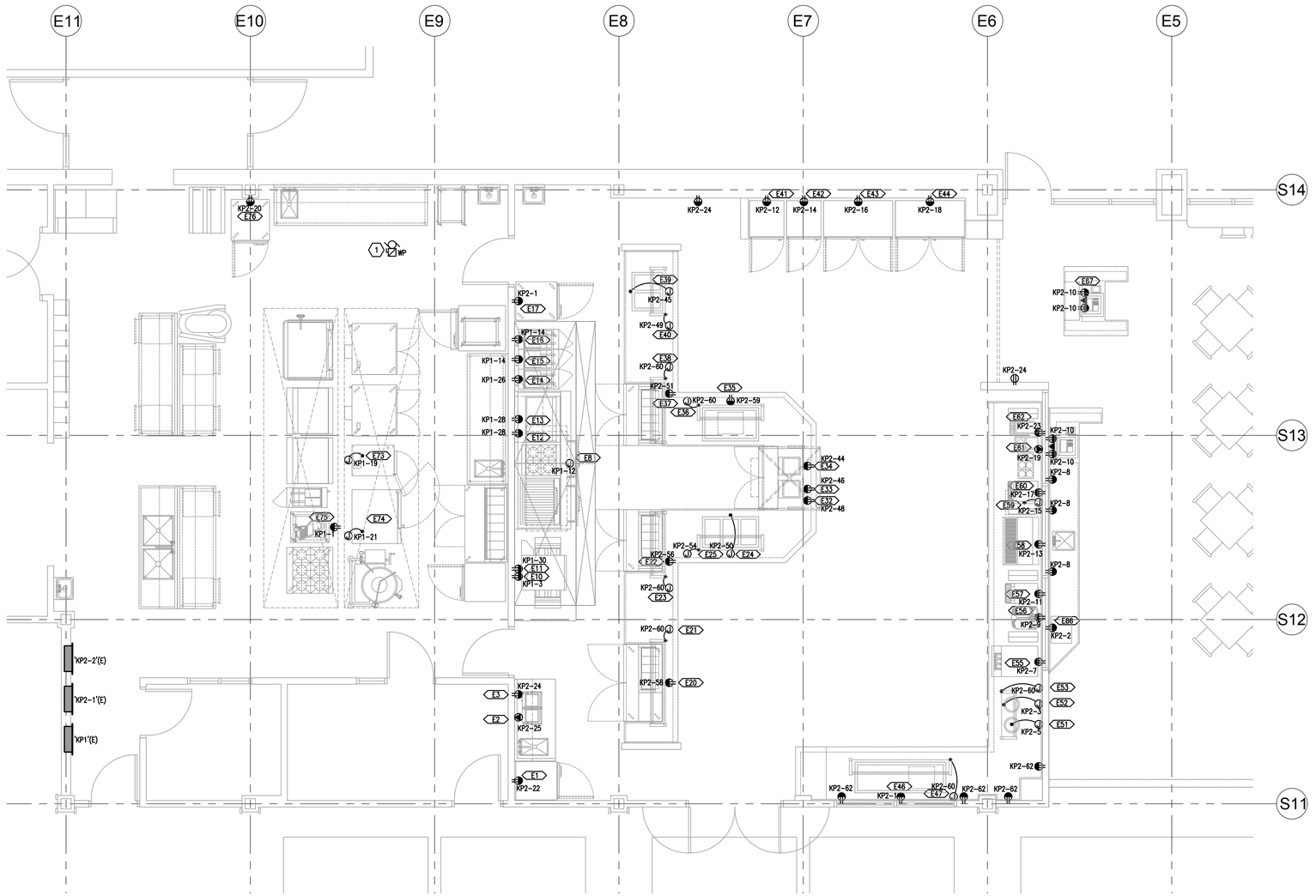
SHEET TITLE

POWER PLAN

SHEET EP101 OF

SHEET KEYNOTES

1. NEW 5HP 480V 3-PHASE EXHAUST FAN. PROVIDE NEW STARTER/FUSED DISCONNECT.



PLAN NORTH

POWER PLAN – ENLARGED KITCHEN PLAN

1/4" = 1'-0"

0 2' 4' 8'

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SNOW COLLEGE
KITCHEN REMODEL

SNOW COLLEGE

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
AGENCY PROJECT NO:	HF12053A
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

POWER PLAN - ENLARGED KITCHEN PLAN

EP102

SHEET OF

By: frank Apr 23, 2012 – 3:08pm
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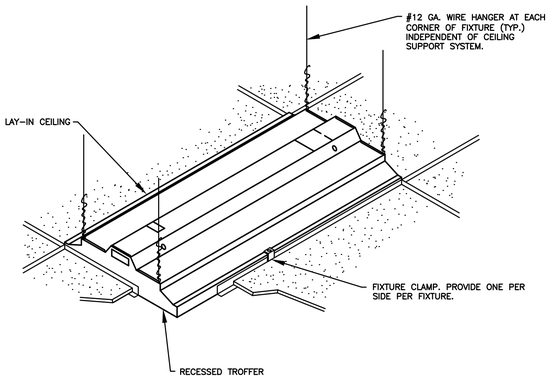

DIAGRAM A001 TYP. RECESSED FIXTURE MOUNTING
NTS

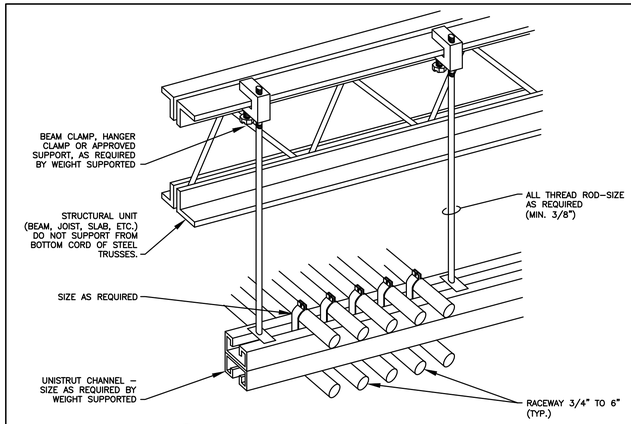

DIAGRAM H001 TYPICAL TRAPEZE CONDUIT RACK
NTS

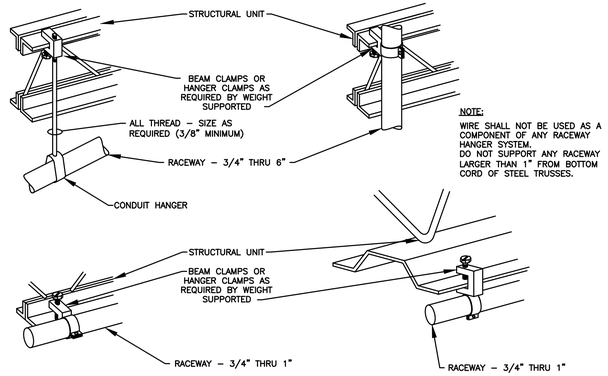

DIAGRAM H003 TYPICAL RACEWAY SUPPORT METHODS
NTS

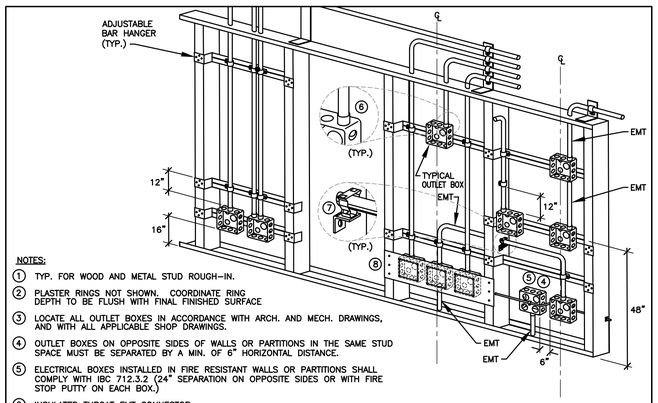

DIAGRAM H004 TYPICAL ROUGH IN REQUIREMENTS
NTS

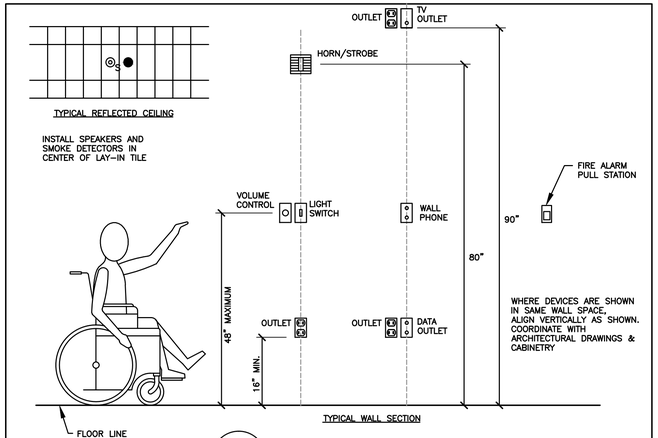

DIAGRAM R001 DEVICE MOUNTING HEIGHTS
NTS

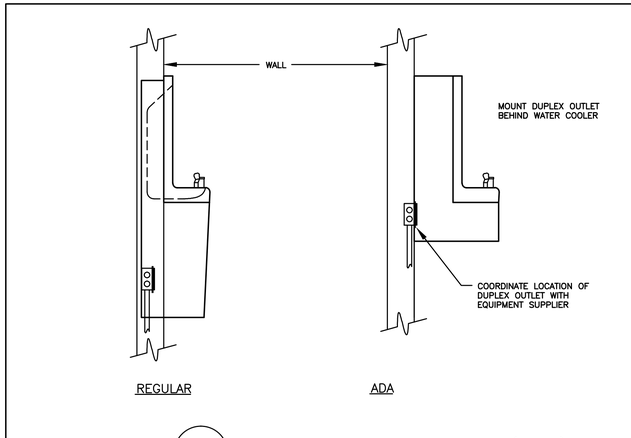

DIAGRAM R002 ELECTRIC WATER COOLER (EWC)
NTS

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SNOW COLLEGE KITCHEN REMODEL

SNOW COLLEGE

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
AGENCY PROJECT NO:	HF12053A
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

ELECTRICAL DIAGRAMS

SHEET **EX501** OF

KITCHEN EQUIPMENT SCHEDULE

UNIT #	FUNCTION	LOAD	VOLT	PHASE	FULL LOAD AMPS	CONDUIT SIZE	WIRES				OCPD		REF. NOTES			REMARKS
							NO. SETS	NO.	SIZE	EQUIP. GND (1)	TYPE	AMPS	STARTER	DISCONNECT	OTHER	
E-1	FOOD WARMING CABINET	11.3 FLA	120	1	11.30	3/4"	1	2	12	12	CB	20		12A		
E-2	PANINI GRILL	16 FLA	208	1	16.00	3/4"	1	2	12	12	CB	20		12A		
E-4	EXHAUST HOOD	1200 VA	120	1	10.00	3/4"	1	2	12	12	CB	20			11A	
E-10	CONVEYOR OVEN	1/3 HP	120	1	7.20	3/4"	1	2	12	12	CB	20		12A		
E-11	CONVEYOR OVEN	1/3 HP	120	1	7.20	3/4"	1	2	12	12	CB	20		12A		
E-12	REFRIGERATED GRILL STAND	8 FLA	120	1	8.00	3/4"	1	2	12	12	CB	20		12A		
E-13	FLAT TOP GRIDDLE	1 FLA	120	1	1.00	3/4"	1	2	12	12	CB	15		12A		
E-14	FRYER CONTROLS	4.7 FLA	120	1	4.70	3/4"	1	2	12	12	CB	15		12A		
E-15	FRYER CONTROLS	4.7 FLA	120	1	4.70	3/4"	1	2	12	12	CB	15		12A		
E-16	FRYER CONTROLS	4.7 FLA	120	1	4.70	3/4"	1	2	12	12	CB	15		12A		
E-17	REACH-IN FREEZER	10.8 FLA	120	1	10.80	3/4"	1	2	12	12	CB	20		12A		
E-20	REF. SANDWICH TABLE	9.6 FLA	120	1	9.60	3/4"	1	2	12	12	CB	20		12A		
E-21	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15			11A	
E-22	REF. SANDWICH TABLE	8.6 FLA	120	1	8.60	3/4"	1	2	12	12	CB	20		12A		
E-23	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15			11A	
E-24	HOT FOOD WARMER	15.9 FLA	208	1	15.90	3/4"	1	2	12	12	CB	20			11A	
E-25	BREATH PROJECTOR/LIGHT	8.18 FLA	120	1	8.18	3/4"	1	2	12	12	CB	20			11A	
E-26	EXHAUST HOOD	300 VA	120	1	2.50	3/4"	1	2	12	12	CB	15			11A	
E-32	REFRIGERATED WORK COUNTER	9.7 FLA	120	1	9.70	3/4"	1	2	12	12	CB	20		12A		
E-33	INDUCTION COOK TOP	1.8 KVA	120	1	15.00	3/4"	1	2	12	12	CB	20			11A	
E-34	INDUCTION COOK TOP	1.8 KVA	120	1	15.00	3/4"	1	2	12	12	CB	20			11A	
E-35	REFRIGERATED COLD PAN	5 FLA	120	1	5.00	3/4"	1	2	12	12	CB	20		12A		
E-36	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15			11A	
E-37	REF. SANDWICH TABLE	8.6 FLA	120	1	8.60	3/4"	1	2	12	12	CB	20		12A		
E-38	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15		12A		
E-39	HOT FOOD WARMER	15.9 FLA	208	1	15.90	3/4"	1	2	12	12	CB	20			11A	
E-40	BREATH PROTECTOR/LIGHT	8.18 FLA	120	1	8.18	3/4"	1	2	12	12	CB	20			11A	
E-41	REACH-IN MERCH FZR	13 FLA	120	1	13.00	3/4"	1	2	12	12	CB	20		12A		
E-42	REACH-IN FREEZER	13 FLA	120	1	13.00	3/4"	1	2	12	12	CB	20		12A		
E-43	REACH-IN REFRIGERATOR	6.5 FLA	120	1	6.50	3/4"	1	2	12	12	CB	20		12A		
E-44	REACH-IN REFRIGERATOR	7.3 FLA	120	1	7.30	3/4"	1	2	12	12	CB	20		12A		
E-45	REFRIGERATED COLD PAN	5 FLA	120	1	5.00	3/4"	1	2	12	12	CB	20		12A		
E-47	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15		12A		
E-51	SOUP WARMER	6.7 FLA	120	1	6.70	3/4"	1	2	12	12	CB	20		12A		
E-52	SOUP WARMER	6.7 FLA	120	1	6.70	3/4"	1	2	12	12	CB	20		12A		
E-53	BREATH PROTECTOR/LIGHT	28 VA	120	1	0.23	3/4"	1	2	12	12	CB	15			11A	
E-55	ICE CREAM MACHINE	16 FLA	120	1	16.00	3/4"	1	2	12	12	CB	20		12A		
E-56	COLD BEVERAGE MACHINE	14 FLA	120	1	14.00	3/4"	1	2	12	12	CB	20		12A		
E-57	JUICE DISPENSER	7.5 FLA	120	1	7.50	3/4"	1	2	12	12	CB	20		12A		
E-58	SODA AND ICE DISPENSER	7 FLA	120	1	7.00	3/4"	1	2	12	12	CB	20		12A		
E-59	ICE MAKER	11 FLA	120	1	11.00	3/4"	1	2	12	12	CB	20			11A	
E-60	SLUSHIE MACHINE	16 FLA	120	1	16.00	3/4"	1	2	12	12	CB	20		12A		
E-61	COFFEE MACHINE	20 FLA	208	1	20.00	3/4"	1	2	10	10	CB	25		12A		
E-62	CAPPACCINO DISPENSER	14 FLA	120	1	14.00	3/4"	1	2	12	12	CB	20		12A		
E-66	MICROWAVE	1.2 KVA	120	1	10.00	3/4"	1	2	12	12	CB	20		12A		
E-67	POS REGISTER	1.2 KVA	120	1	10.00	3/4"	1	2	12	12	CB	20		12A		
E-73	STEAMER	300 VA	120	1	2.50	3/4"	1	2	12	12	CB	15			11A	
E-74	COMBI-OVEN	3.85 FLA	208	1	3.85	3/4"	1	2	12	12	CB	15		12A		
E-75	SLICER	1/2 HP	120	1	9.80	3/4"	1	2	12	12	CB	20		12A		
E-76	REACH-IN FREEZER	10.8 FLA	120	1	10.80	3/4"	1	2	12	12	CB	20		12A		

NOTES:

1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER W/THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER, COORDINATE W/MOTOR TYPE
14. SOLID STATE SOFT STARTER

A. FURNISHED, INSTALLED, AND CONNECTED UNDER DIVISION 16
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 16.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 16.
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.

CB = CIRCUIT BREAKER - THERMAL MAGNETIC
CKW = CHILLER KILOWATTS

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN PHASE CONDUCTOR.

PANELBOARD SCHEDULE

PANEL: KP1 | TYPE: EXISTING | VOLTS: 120/208 | PH: 3 | W: 4
MOUNTING: ___ FLUSH, X SURFACE | DIMENSIONS: 20 W, 6 D (in.), ___ H | LOCATION: KITCHEN | AMP: 400 | ___ LUGS, X BREAKER | MAINS: ___ SUBFEED LUGS, ___ ISO GROUND, ___ 200% NEUTRAL

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	LEFT PHASE LOAD B	LEFT PHASE LOAD C	RIGHT PHASE LOAD A	RIGHT PHASE LOAD B	RIGHT PHASE LOAD C	CIR. NO.	AMPS	POLE	WIRE SIZE	ITEM
E75	20	1**	12	1	1180						2	20	1		EXISTING
E10	20	1**	12	3		864					4	20	1		EXISTING
SPARE	20	1**		5							6	20	1		EXISTING
EXISTING	20	1		7							8	20	1		EXISTING
EXISTING	20	1		9							10	20	1		EXISTING
EXISTING	20	1		11						1200	12	20	1**	12	E8
EXISTING	20	1		13				1128			14	20	1**	12	E15 & E16
EXISTING	30	1		15							16	20	1		EXISTING
EXISTING	30	1		17							18	20	1		EXISTING
E73	20	1*	12	19	300						20	20	1		EXISTING
E74	15	2*	12	21		400					22	20	2		EXISTING
-	-	-		23			400				24	-	-		-
EXISTING	80	3		25				564			26	20	1*	12	E14
-	-	-		27					1080		28	20	1*	12	E12 & E13
-	-	-		29						864	30	20	1*	12	E11
EXISTING	30	3		31							32	30	3		EXISTING
-	-	-		33							34	-	-		-
-	-	-		35							36	-	-		-
EXISTING	125	3		37							38	50	3		EXISTING
-	-	-		39							40	-	-		-
-	-	-		41							42	-	-		-
					1480	1264	400	1692	1080	2064					
MAIN BREAKER IN PANEL IS SHUNT TRIP					3172	2344	2464	TOTAL			CONNECTED LOAD TOTAL: 7980 VA				
					26	20	21	AMPS/PHASE			EQUIP RATING: VERIFY AMPS RMS SYM.				

PROJECT NAME: SNOW SERVERY

* PROVIDE NEW CIRCUIT BREAKER. REMOVE EXISTING CIRCUIT BREAKER.
** CIRCUIT FREED DURING DEMOLITION

PANELBOARD SCHEDULE

PANEL: KP2 (SECTION 1) | TYPE: NQOD | VOLTS: 120/208 | PH: 3 | W: 4
MOUNTING: ___ FLUSH, X SURFACE | DIMENSIONS: 20 W, 6 D (in.), ___ H | LOCATION: KITCHEN | AMP: 400 | X LUGS, ___ BREAKER | MAINS: X SUBFEED LUGS, ___ ISO GROUND, ___ 200% NEUTRAL

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	LEFT PHASE LOAD B	LEFT PHASE LOAD C	RIGHT PHASE LOAD A	RIGHT PHASE LOAD B	RIGHT PHASE LOAD C	CIR. NO.	AMPS	POLE	WIRE SIZE	ITEM
E46	20	1*	12	1	600			1200			2	20	1*	12	E66
E51	20	1*	12	3		804					4	20	2		EXISTING
E52	20	1*	12	5			804				6	-	-		-
E55	20	1*	12	7	1920			540			8	20	1*	12	RECEPTACLES
E56	20	1*	12	9		1680			1500		10	20	1*	12	CASH REGS
E57	20	1*	12	11			900			1560	12	20	1*	12	E41
E58	20	1*	12	13	840			1560			14	20	1*	12	E42
E59	20	1*	12	15		1320			780		16	20	1*	12	E43
E60	20	1*	12	17			1920			780	18	20	1*	12	E43
E61	25	2**	10	19	2080			1296			20	20	1*	12	E76
-	-	-	-	21		2080			1356		22	20	1*	12	E1
E62	20	1*	12	23			1680			540	24	20	1*	12	RECEPTACLES
E2	20	2*	12	25	1664						26	20	1		EXISTING
-	-	-	-	27		1664					28	20	2		EXISTING
EXISTING	20	2		29							30	-	-		-
-	-	-		31							32	30	3		EXISTING
EXISTING	80	2		33							34	-	-		-
-	-	-		35							36	-	-		-
EXISTING	20	1		37							38	20	2		EXISTING
EXISTING	20	1		39							40	-	-		-
SPARE	20	1		41							42	20	1		SPACE ONLY
					7104	7548	5304	4596	3636	2880					
TOTAL CONNECTED LOAD FOR SECTIONS 1 & 2 OF PANEL KP2: 50244 VA					11700	11184	8184	SEC 1 SUBTOTAL			CONNECTED LOAD SUBTOTAL: 31068 VA				
					98	93	68	SEC 1 AMPS/PHASE							
					19184	18476	12584	TOTAL			EQUIP RATING: VERIFY AMPS RMS SYM.				
					160	154	105	AMPS/PHASE							

PROJECT NAME: SNOW SERVERY

* CIRCUIT FREED DURING DEMOLITION
** PROVIDE NEW CIRCUIT BREAKER. REMOVE EXISTING CIRCUIT BREAKER.

PANELBOARD SCHEDULE

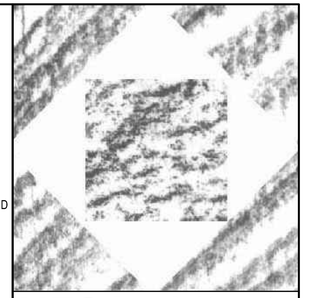
PANEL: KP2 (SECTION 1) | TYPE: NQOD | VOLTS: 120/208 | PH: 3 | W: 4
MOUNTING: ___ FLUSH, X SURFACE | DIMENSIONS: 20 W, 6 D (in.), ___ H | LOCATION: KITCHEN | AMP: 400 | X LUGS, ___ BREAKER | MAINS: X SUBFEED LUGS, ___ ISO GROUND, ___ 200% NEUTRAL

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	LEFT PHASE LOAD B	LEFT PHASE LOAD C	RIGHT PHASE LOAD A	RIGHT PHASE LOAD B	RIGHT PHASE LOAD C	CIR. NO.	AMPS	POLE	WIRE SIZE	ITEM
E46	20	1*	12	1	600			1200			2	20	1*	12	E66
E51	20	1*	12	3		804					4	20	2		EXISTING
E52	20	1*	12	5			804				6	-	-		-
E55	20	1*	12	7	1920			540			8	20	1*	12	RECEPTACLES
E56	20	1*	12	9		1680			1500		10	20	1*	12	CASH REGS
E57	20	1*	12	11			900			1560	12	20	1*	12	E41
E58	20	1*	12	13	840			1560			14	20	1*	12	E42
E59	20	1*	12	15		1320			780		16	20	1*	12	E43
E60	20	1*	12	17			1920			780	18	20	1*	12	E43
E61	25	2**	10	19	2080			1296			20	20	1*	12	E76
-	-	-	-	21		2080			1356		22	20	1*	12	E1
E62	20	1*	12	23			1680			540	24	20	1*	12	RECEPTACLES
E2	20	2*	12	25	1664						26	20	1		EXISTING
-	-	-	-	27		1664					28	20	2		EXISTING
EXISTING	20	2		29							30	-	-		-
-	-	-		31							32	30	3		EXISTING
EXISTING	80	2		33							34	-	-		-
-	-	-		35							36	-	-		-
EXISTING	20	1		37							38	20	2		EXISTING
EXISTING	20	1		39							40	-	-		-
SPARE	20	1		41							42	20	1		SPACE ONLY
					7104	7548	5304	4596	3636	2880					
TOTAL CONNECTED LOAD FOR SECTIONS 1 & 2 OF PANEL KP2: 50244 VA					11700	11184	8184	SEC 1 SUBTOTAL			CONNECTED LOAD SUBTOTAL: 31068 VA				
					98	93	68	SEC 1 AMPS/PHASE							
					19184	18476	12584	TOTAL			EQUIP RATING: VERIFY AMPS RMS SYM.				
					160	154	105	AMPS/PHASE							

PROJECT NAME: SNOW SERVERY

* CIRCUIT FREED DURING DEMOLITION
** PROVIDE NEW CIRCUIT BREAKER. REMOVE EXISTING CIRCUIT BREAKER.



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SNOW COLLEGE
KITCHEN REMODEL

SNOW COLLEGE

MARK	DATE	DESCRIPTION

DATE:	APRIL 23, 2012
AGENCY PROJECT NO:	HF12053A
HFSA PROJECT NO:	1205.01
CAD DWG FILE NO:	
DRAWN BY:	BNA
CHECKED BY:	RLW
DESIGNED BY:	FGK
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	PRELIMINARY SET

SHEET TITLE

PANELBOARD SCHEDULES

SHEET EX601 OF