EXCHANGE™

PROJECT SUMMARY:

EXPRESS	12,900 SF
MINI-MALL	16,150 SF
TOTAL	29,050 SF

19,200 SF (ORIGINAL BUILDING)
9,850 SF (EXPANSION)

82nd AIRBORNE
MINI-MALL EXPANSION
SOLICITATION DOCUMENTS

THE EXCHANGE
3911 S. WALTON WALKER BLVD.
DALLAS, TX 75236-1598
www.aafes.com

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CYPRESS, TX. 77429
281-855-6433

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SPRINGFIELD, MO. 65807
417-881-1586

FRANK W. NEAL & ASSOCIATES
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FORT WORTH, TEXAS 76104
817-332-1944

INTEGRATED LANDSCAPE ARCHITECTURE
765 ROLLING OAKS DRIVE
DRIFTWOOD, TX 78169
713-973-7851

U.S. COST
8585 NORTH STEMMONS FWY 325-S
DALLAS, TX 75247
417-881-1586

AAFES PR#: 0530-06-000005 | **JUNE 8 2012**

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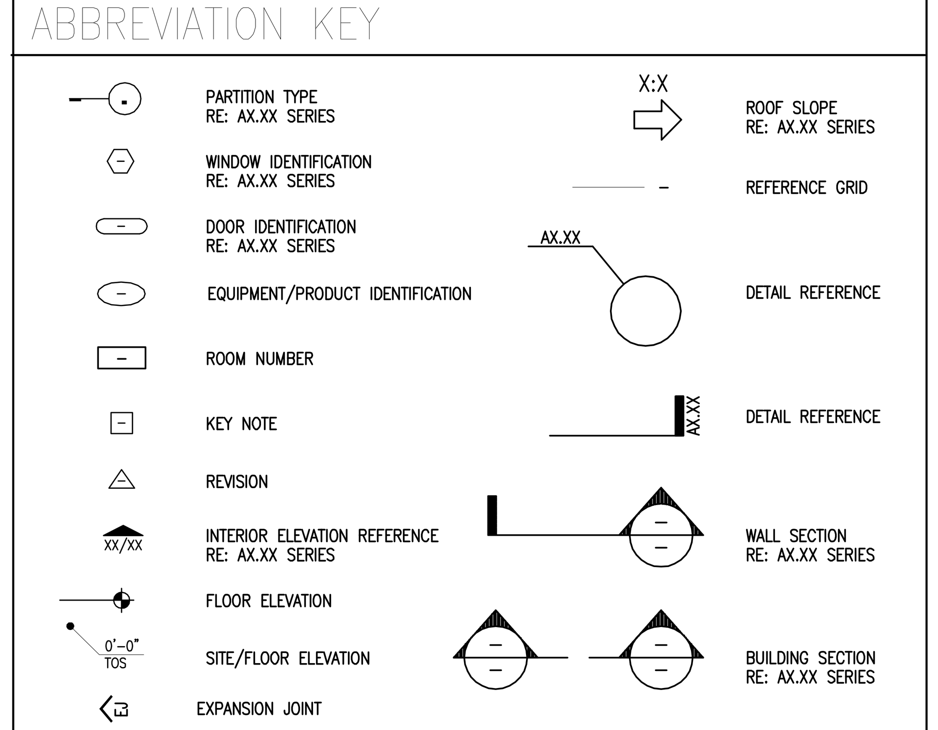
A/C	AIR CONDITIONING
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AHU	AIR-HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BOT	BOTTOM
CB	CATCH BASIN
CC	CENTER TO CENTER
CER	CERAMIC
CHAM	CHAMFER
CI	CAST IRON
CIPC	CAST-IN-PLACE CONCRETE
CJ	CONTROL JOINT
CLR	CLEAR (ANCE)
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET (ED)
CR	COLD ROLLED
CRC	COLD ROLLED CHANNEL
CSMT	CASEMENT
CST	CAST STONE
CT	CERAMIC TILE
D	DEPTH, DEEP
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DP	DAMPPROOFING
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EDF	ELECTRIC DRINKING FOUNTAIN
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQP	EQUIPMENT
ESC	ESCALATOR
EST	ESTIMATE
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FL	FLOW LINE
FLR	FLOOR (ING)
FLUR	FLOURESCENT
FND	FOUNDATION
FO	FRAMED OPENING
FP	FIREPROOF
FR	FRAME (D), (ING)
FRT	FIRE-RETARDANT
FT	FOOT, FEET
FTG	FOOTING
FUT	FUTURE
FV	FIELD VERIFY
GA	GAGE, GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GT	GROUT
GVL	GRAVEL
GYP	GYPSUM
H	HIGH
HB	HOSE BIBB
HC	HANDICAP
HDR	HEADER
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
HWD	HARDWOOD
ID	INSIDE DIAMETER
INCL	INCLUDE (D), (ING)
INT	INTERIOR
J-BOX	JUNCTION BOX
JT	JOINT
L	LONG
LAM	LAMINATE (D)
LAV	LAVATORY
LB	POUND(S)
LH	LEFT HAND
LTL	LINTEL
LW	LIGHTWEIGHT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNT, MOUNTED
MTL	METAL
N	NORTH
NE	NORTHEAST
NIC	NOT IN CONTRACT
NMT	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OPG	OPENING
OPP	OPPOSITE, OPPOSITE HAND
O/O	OUT TO OUT
PCF	POUNDS PER CUBIC FOOT
PFB	PREFABRICATE (D)
PFN	PREFINISHED
PKG	PARKING
PL	PLATE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAL FOOT
PLUMB	PLUMBING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINT (ED)
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS
R	RISER
RAG	RETURN AIR GRILLE
R/A	RETURN AIR
RCP	REFLECTED CEILING PLAN
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFER TO, REFERENCE
REBAR	REINFORCING BAR
REF	REFERENCE
REINF	REINFORCE
RES	RESILIENT
REV	REVERSE
RFG	ROOFING
RFH	ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
S/A	SUPPLY AIR
SCHED	SCHEDULE
SE	SOUTHEAST
SEC	SECTION
SHTH	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATIONS (PROJECT MANUAL)
SQ FT	SQUARE FOOT, SQUARE FEET
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STG	SEATING
STL	STEEL
STM	STORM
STRUCT	STRUCTURAL
SW	SOUTHWEST
SWR	SEWER
SYM	SYMMETRY (ICAL)
TAS	TEXAS ACCESSIBILITY STANDARDS
TC	TOP OF CURB
TDD	TELECOMMUNICATIONS DEVICE FOR THE DEAF
TEMP	TEMPERED
TOL	TOLERANCE
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TR	TREAD
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
T & G	TONGUE & GROOVE
UL	UNDERWRITERS' LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VB	VAPOR BARRIER, RETARDER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIN	VINYL
VNR	VENEER
W	WEST
W	WIDE, WIDTH
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOF(ING)
WPT	WORKING POINT
WWF	WELDED-WIRE FABRIC
W/	WITH
W/O	WITHOUT
@	AT

ABBREVIATION KEY



LEGEND

1. ALTHOUGH MOST ARCHITECTURAL DRAWINGS INCLUDED HEREIN ARE DRAWN TO SCALE, DO NOT RELY ON THE ACCURACY OF THE DRAWINGS FOR LOCATING OR SIZING BUILDING COMPONENTS. DO NOT SCALE DRAWINGS. USE DIMENSIONS. VERIFY THAT BUILDING COMPONENTS ARE LOCATED IN ACCORDANCE WITH ALL DIMENSIONS SHOWN.
2. LARGER SCALE DRAWINGS AND DETAILS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS AND DETAILS.
3. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND INTENDED TO BE USED TOGETHER. INFORMATION AND REQUIREMENTS INDICATED IN ONE BUT NOT THE OTHER SHALL BE COMPLIED WITH AS IF INDICATED ON BOTH.
4. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE A COMPLETE AND FINISHED PROJECT. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT INDICATED IN THE DRAWINGS AND SPECIFICATIONS INCLUDING ALL ITEMS REASONABLY INFERABLE AS BEING NECESSARY FOR THE COMPLETION OF THE PROJECT. THESE SHALL INCLUDE, BUT NOT BE LIMITED TO FASTENERS, PREPARATION MATERIALS, AND OTHER ACCESSORIES AS WELL AS THE NECESSARY LABOR AND EQUIPMENT TO INSTALL THEM. PORTIONS OF WORK WHICH ARE TO BE EXCLUDED OR PROVIDED BY OTHERS ARE INDICATED AS SUCH IN THE DRAWINGS OR SPECIFICATIONS.
5. PRIOR TO SUBMITTING BIDS, THE CONTRACTOR(S) SHALL THOROUGHLY EXAMINE THE DRAWINGS AND SPECIFICATIONS AND COMPARE THEM WITH EXISTING CONDITIONS TO BE SURE THAT THE WORK CAN BE PERFORMED AS INTENDED. IF THE WORK CANNOT BE PERFORMED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, OR IF THE CONTRACTOR HAS ANY OBJECTIONS TO THE MATERIALS AND PRODUCTS SPECIFIED OR THE MANNER IN WHICH THEY ARE INTENDED TO BE INSTALLED OR USED, NOTIFY THE ARCHITECT IMMEDIATELY.
6. WHENEVER WORK OF THIS PROJECT INVOLVES EXISTING CONDITIONS, THE CONTRACTOR SHALL EXAMINE THE EXISTING CONDITIONS WITH THE PROPOSED WORK, VERIFY THAT THE EXISTING CONDITIONS ARE AS INDICATED ON THE DRAWINGS AND THAT THE PROPOSED WORK CAN BE EXECUTED AS INTENDED. EXISTING CONDITIONS SHALL BE EXAMINED AND VERIFIED AS EARLY IN THE PROJECT AS POSSIBLE, PREFERABLY PRIOR TO ENTERING INTO THE CONTRACT FOR CONSTRUCTION WITH THE OWNER.
7. IF DISCREPANCIES OR INCONSISTENCIES EXIST, OR IF INFORMATION IS UNCLEAR, CONSULT ARCHITECT FOR INTERPRETATION AND INTENT.

GENERAL NOTES

6.16.4. SUBMIT COPIES OF PERMITS TO THE CONTRACTING OFFICER AND FT BRAGG ENVIRONMENTAL DIVISION INSUFFICIENT TIME TO ALLOW FOR REVIEW AND REVISION WITH ULTIMATE SUBMITTAL 10 DAYS PRIOR FOR THE ASSOCIATED PERMITTED ACTIVITY. PROVIDE COPIES OF PERMIT AMENDMENTS TO THE CONTRACTING OFFICER REPRESENTATIVE AND FT BRAGG ENVIRONMENTAL DIVISION.

6.16.5. EROSION AND SEDIMENT CONTROL ((E&SC) PERMIT: AFTER ISSUANCE BY, NC DENR DEPARTMENT OF WATER QUALITY (DWQ), CHANGES TO THE ISSUED PERMIT ARE PROHIBITED.

6.16.6. WATER AND SANITARY SEWER PERMIT. ONUS, AS THE FORT BRAGG WATER AND SEWER PRIVATIZATION CONTRACTOR, IS RESPONSIBLE FOR ALL ASPECTS OF OBTAINING AND CLOSING THE POTABLE WATER AND SANITARY SEWER PERMITS FOR THIS PROJECT.

6.16. 7. BORROW PIT PERMIT. A PERMIT IS REQUIRED TO USE THE FORT BRAGG SOIL BORROW MATERIAL PITS. PROCESS SOIL BORROW PIT PERMITS WITH THE ENVIRONMENTAL BRANCH OF THE DIRECTORATE OF PUBLIC WORKS ENVIRONMENTAL SUSTAINMENT DIVISION THROUGH THE CONTRACTING OFFICER REPRESENTATIVE.

(A) PERMITS ARE ISSUED FOR THE LIFE OF THE CONTRACT ONLY.

(B) BORROW MATERIAL MAY ONLY BE USED ON THE PROJECT FOR WHICH THE PERMIT(S) ARE ISSUED.

(C) KEEP A COPY OF THE SIGNED PERMIT WITH THE BORROW HAULING VEHICLE THROUGHOUT THE BORROW OPERATION PERIOD.

(D) COPIES OF THE BORROW PERMIT CAN BE FOUND IN APPENDIX DD.

6.16.8. CONSTRUCTION AND DEMOLITION (C&D) WASTE

6.16.8.1. OBTAIN AND PAY FOR ALL PERMITS ASSOCIATED WITH DEMOLITION.

6.16.8.2. LANDFILL TIPPING FEES FOR CONSTRUCTION DEBRIS WILL NOT BE CHARGED TO THE CONTRACTOR AT TIME OF AWARD CONTRACT. IF APPLICABLE, THE LANDFILL TIPPING FEES ARE IDENTIFIED IN APPENDIX CC.

6.16.8.3. CONSTRUCTION AND DEMOLITION (C&D) PERMIT IS REQUIRED TO USE THE FORT BRAGG LAMONT ROAD CONSTRUCTION AND DEMOLITION LANDFILL FACILITY (PERMIT NO 26-08). FOLLOW REQUIREMENTS IDENTIFIED AT HTTP://WWW.BRAGG.ARMY.MIL/ENVBR/SOLIDWASTE.ASPX REGARDING DISPOSAL OF INERT CONSTRUCTION AND DEMOLITION WASTE IN THE FT BRAGG C& D LANDFILL SITES.

(A) PROCESS THE CONSTRUCTION AND DEMOLITION (C&D) PERMIT WITH THE ENVIRONMENTAL BRANCH OF THE DIRECTORATE OF PUBLIC WORKS ENVIRONMENTAL SUSTAINMENT DIVISION THROUGH THE CONTRACTING OFFICER REPRESENTATIVE.

(B) PERMITS ARE ISSUED FOR THE LIFE OF THE CONTRACT ONLY.

(C) ONLY MATERIALS PRODUCED ON THE PROJECT FOR WHICH THE PERMIT(S) ARE ISSUED MAY BE DISPOSED OF IN THE LAND CLEARING AND INERT DEBRIS/DEMOLITION LANDFILLS.

(D) KEEP A COPY OF THE SIGNED PERMIT WITH THE HAULING VEHICLE(S) THROUGHOUT THE BORROW OPERATION PERIOD.

(E) COPIES OF THE DISPOSAL PERMIT CAN BE FOUND IN APPENDIX CC.

(F) OBTAIN AND PAY FOR ALL PERMITS ASSOCIATED WITH DEMOLITION.

(G) THE CONTRACTOR IS ENCOURAGED TO RECYCLE COMMODITIES THROUGH THE FT. BRAGG QRP.

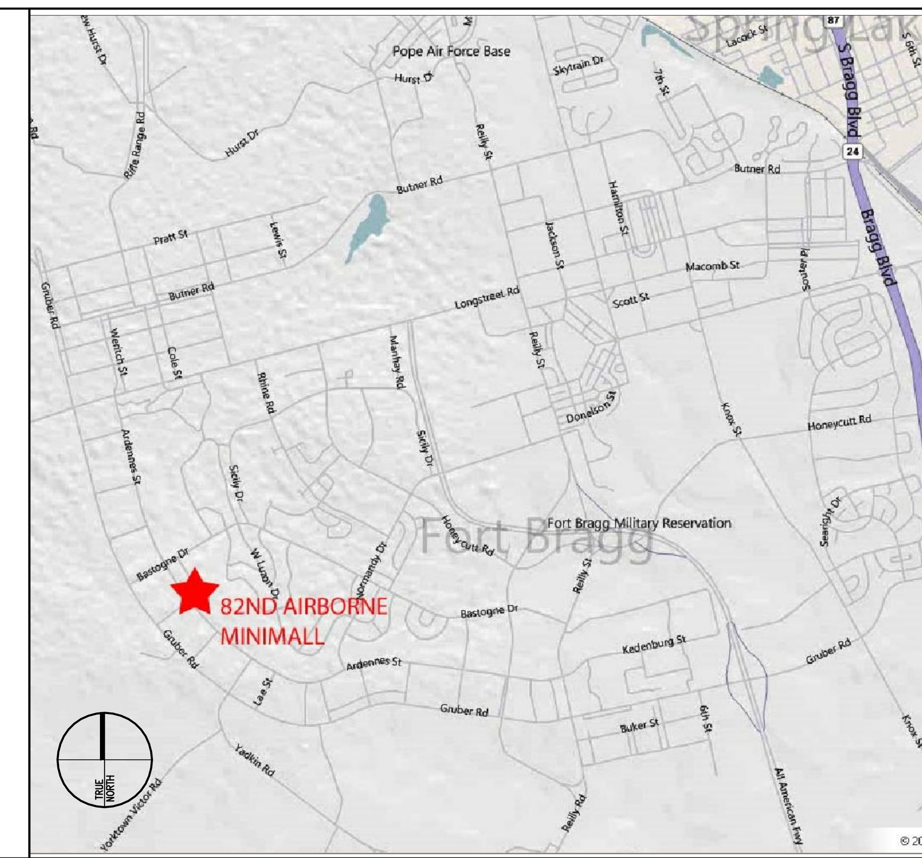
6.16.9. FORT BRAGG EXCAVATION (DIG) PERMITS

6.16.9.1. PRESENT AN EXCAVATION PERMIT, FB FORM 1605, TO THE RESIDENT ENGINEER FOR APPROVAL BY THE FACILITIES ENGINEER PRIOR TO ANY EXCAVATION THAT PENETRATES THE GROUND BY 6 OR MORE INCHES. A SAMPLE OF THIS FORM IS INCLUDED AT APPENDIX HH OR CAN BE OBTAINED FROM THE RESIDENT OFFICE UPON REQUEST.

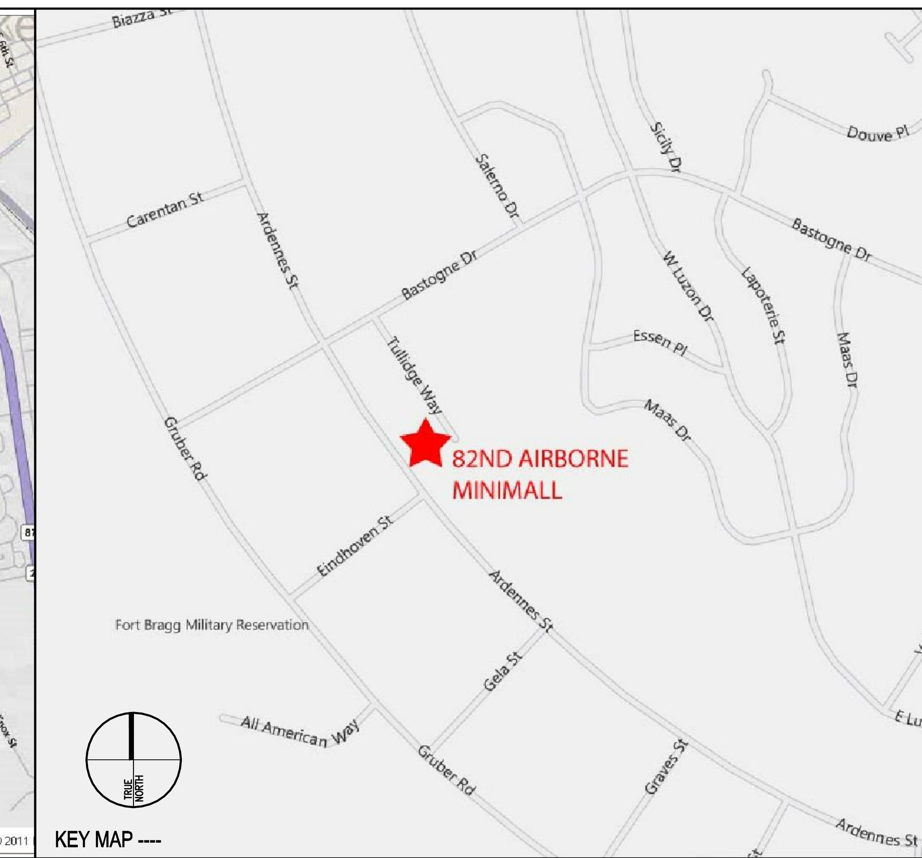
6.16.9.2. SPOT ALL UTILITY LINES USING AN INDEPENDENT SPOTTING SERVICE PRIOR TO BEGINNING EXCAVATION. KEEP A SIGNED COPY OF THE DIGGING PERMIT ON SITE AT ALL TIMES. FORT BRAGG MAY CONDUCT BACK CHECK SPOTTING EXCAVATION DURING THE EXCAVATION PORTION OF THIS CONTRACT.

DEMOLITION DISPOSAL REQUIRMENTS

NTS



VICINITY MAP



AREA MAP

DRAWING LIST

0.00 COVER
A0.10 GENERAL INFO
A0.20 BUILDING CODE SUMMARY
SURVEY

CIVIL
C0.1 SITE STAGING PLAN
C0.5 SITE PHASING PLAN
D1.0 SITE DEMOLITION PLAN
C1.0 SITE PLAN
C2.0 SITE GRADING PLAN
C3.0 SITE UTILITY PLAN
C5.0 CIVIL SITE DETAILS
C6.0 DUMPSTER ENCLOSURE PLAN AND DETAILS
C7.0 EROSION CONTROL PLAN
C7.1 EROSION CONTROL PLAN DETAILS

LANDSCAPING
L1.0 LANDSCAPE PLAN
L2.0 LANDSCAPE DETAILS

ARCHITECTURE
A0.30 PHASE 1 EXIT ANALYSIS PLAN
A0.31 PHASE 2 EXIT ANALYSIS PLAN
A0.32 PHASE 3 EXIT ANALYSIS PLAN
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A1.02 PHASE 2 FLOOR PLAN
A1.03 PHASE 3 FLOOR PLAN
A1.10 FLOOR PLAN
A1.11 DIMENSION PLAN
A1.12 FIXTURE PLAN
A1.13 FINISH PLAN
A1.20 ROOF PLAN
A1.30 REFLECTED CEILING PLAN
A2.10 BUILDING ELEVATIONS
A3.10 BUILDING SECTIONS
A3.11 BUILDING SECTIONS
A3.20 WALL SECTIONS
A3.21 WALL SECTIONS
A3.22 WALL SECTIONS
A3.23 WALL SECTIONS
A3.24 WALL SECTIONS
A3.25 WALL SECTIONS
A4.10 ENLARGED PLANS
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A4.12 BARBER SHOP PLAN
A4.40 INTERIOR ELEVATIONS
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A5.11 DETAILS
A5.12 DETAILS
A5.20 MILLWORK DETAILS
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A6.11 COOLER LAYOUT
A6.12 COOLER LAYOUT
A6.13 COOLER LAYOUT
A7.10 DOOR AND FRAME SCHEDULE
A7.20 WINDOW SCHEDULE
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A7.40 WALL ASSEMBLIES
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A8.11 BURGER KING PLANS AND ELEVATIONS
A8.12 BURGER KING EQUIPMENT PLAN
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A8.40 ANTHONY'S PLANS AND SCHEDULE
A8.41 ANTHONY'S ELEVATIONS
A8.50 SUBWAY PLANS AND SCHEDULE
A8.51 SUBWAY ELEVATIONS
A8.60 CHARLEY'S PLANS AND SCHEDULE
A8.61 CHARLEY'S ELEVATIONS
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A8.71 DUNKIN DONUT ELEVATIONS
A8.80 GNC PLANS AND ELEVATIONS
A8.81 GNC ELEVATIONS AND DETAILS
A8.82 GNC SIGN DETAILS

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S1.1 FOUNDATION DETAILS
S1.2 FOUNDATION DETAILS
S1.3 DUMPSTER PLAN AND DETAILS
S2.0 DEMOLITION PLAN
S2.1A FOUNDATION PLAN–PH.1
S2.1B FOUNDATION PLAN–PH.2
S2.1C FOUNDATION PLAN–COMPLETION
S2.1BP BLAST PROTECTION COLUMN LAYOUT
S2.2A LOW ROOF FRAMING PLAN
S2.2B LOW ROOF FRAMING PLAN
S2.2C LOW ROOF FRAMING PLAN COMPLETE
S2.3 HIGH ROOF FRAMING PLAN
S3.1 FRAMING DETAILS
S3.2 FRAMING DETAILS
S3.3 FRAMING DETAILS
S3.4 X-BRACE ELEVATIONS AND DETAILS
S4.1 BUILDING ELEVATIONS
S4.2 BLAST PROTECTION ELEVATIONS

MECHANICAL
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M1.02 HVAC ROOF PLAN
M1.03 HVAC PIPING PLAN
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M2.03 HVAC DETAILS
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M3.01 HVAC SCHEDULES
M3.02 HVAC SCHEDULES

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E1.03 ENLARGED POWER PLANS
E1.04 ENLARGED POWER PLANS
E1.05 ENLARGED POWER PLANS
E2.01 LIGHTING PLAN
E3.01 COMMUNICATIONS PLAN
E3.02 SECURITY SYSTEMS PLAN
E4.01 EMERGENCY PROTECTION SYSTEM PLAN
E5.01 ELECTRICAL DETAILS
E5.02 ELECTRICAL DETAILS
E6.01 ELECTRICAL SCHEDULES
E6.02 ELECTRICAL SCHEDULES

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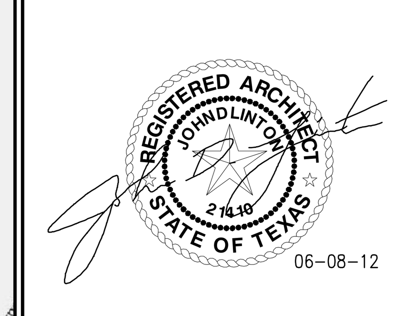
P1.01 WASTE PIPING PLAN
P1.02 SUPPLY PIPING PLAN
P2.01 PLUMBING DETAILS
P3.01 PLUMBING SCHEDULES

FP1.01 FIRE PROTECTION PLAN

DRAWING INDEX

NTS

EXCHANGE



DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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(281) 855-6433
(281) 858-4304 FAX

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
GENERAL INFO

DATE: 06/08/12
SCALE: AS SHOWN
SHEET: A0.10
DRAWING/PROJECT NO: 0530-06-000005
OF

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PROJECT SUMMARY

PROJECT NAME: 82ND AIRBORNE MINIMALL EXPANSION/RENOVATION
ADDRESS: BLDG C–5934 ARDENNES STREET

AUTHORITIES HAVING JURISDICTION: FORT BRAGG DPW

GENERAL BUILDING DESCRIPTION

RENOVATION EXPANSION OF 1 STORY RETAIL FACILITY WITH FOOD. ORIGINAL BUILDING AREA IS 19,200 SF. THE FINAL BUILDING WILL BE 29,200 SF, WHICH IS AN INCREASE OF 10,000 SF. THE EXPRESS WILL BE 12,900 SF AND THE MINI–MALL WILL BE 16,300 SF.

CODES/STANDARDS

CODE	REFERENCE DOCUMENT	YEAR
BUILDING	INTERNATIONAL BUILDING CODE	2006
FIRE CODE	INTERNATION FIRE CODE	2006
MECHANICAL	AS DETERMINED BY DESIGN ENGINEER	
PLUMBING	AS DETERMINED BY DESIGN ENGINEER	
ELECTRICAL	AS DETERMINED BY DESIGN ENGINEER	
ACCESSIBILITY	AMERICAN WITH DISABILITIES ACT	1994 W/2010 AMENDMENTS

OCCUPANCY CLASSIFICATION

GROUP A, DIVISION A2: ASSEMBLY USES INTENDED FOR FOOD AND/OR DRINK CONSUMPTION.

GROUP M: BUILDINGS AND/OR STRUCTURES FOR THE DISPLAY AND SALE OF MERCHANDISE, AND INVOLVES STOCKS OF GOOD, WARES OR MERCHANDISE INCIDENTAL TO SUCH PURPOSES AND ACCESSIBLE TO THE PUBLIC.

GROUP B: BUILDINGS AND/OR STRUCTURES FOR OFFICE, PROFESSIONAL OR SERVICE TYPE TRANSACTIONS INCLUDING STORAGE OF RECORDS AND ACCOUNTS.

MIXED OCCUPANCIES - SECTION 508.3

WHERE THE BUILDING IS OCCUPIED FOR TWO OR MORE USES NOT INCLUDED IN THE SAME OCCUPANCY, THE BUILDING OR PORTION THEREOF SHALL COMPLY WITH SECTION 508.3.2 OR 508.3.3 OR COMBINATIONS OF THESE SECTIONS, EXCEPT THAT AREAS OF GROUP H SHALL BE SEPARATED FROM OTHER OCCUPANCIES IN ACCORDANCE WITH SECTION 508.3.3.

FIRE SEPARATIONS – TABLE 508.3.3

A2–M	1 HR
A2–B	1 HR *
M–B	NOT REQUIRED

NONSEPARATED USES APPLICABLE PER 508.3.2

*SEPARATION BETWEEN A2–B IS DISREGARDED SINCE "B" OCCUPANCY IS LESS THAN 10% AND DEEMED ACCESSORY SPACE PER SECTION 508.3.1

TYPE OF CONSTRUCTION

TYPE IIIA (WITH AUTOMATIC SPRINKLER SYSTEM)

ALLOWABLE FLOOR AREA

ALLOWABLE AREA INCREASE 1 – SPRINKLER INCREASE SECTION 506.3

WHERE A BUILDING IS PROTECTED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, THE AREA LIMITATION IN TABLE 503 IS PERMITTED TO BE INCREASED BY 200 PERCENT FOR MULTI–STORY BUILDINGS AND 300 PERCENT FOR SINGLE–STORY BUILDINGS.

AREA INCREASE = BASE AREA X 300%

CALCULATED MAXIMUM ALLOWABLE AREA PER FLOOR

OCCUPANCY	BASE AREA	+ AREA INCREASE 1	= TOTAL ALLOWABLE AREA PER FLOOR
A2 – FOOD/DRINK	29,050	29,050 X 300%	87,150 SF 29,200 SF(ACTUAL)

BUILDING HEIGHT & NUMBER OF STORIES

ALLOWABLE – HEIGHT & STORIES	ACTUAL – HEIGHT & STORIES
*65 FEET, 3 STORIES	1–STORY 35 FEET ±

BUILDING IS WITHIN THE ALLOWABLE HEIGHT & STORIES
*INCREASED HEIGHT AND STORY PER SECTION 504.2 IS APPLIED BUT NOT REQUIRED FOR CODE COMPLIANCE.

FIRERESISTANCE RATINGS OF STRUCTURE ELEMENTS TABLE 601/602

*1 HR CREDIT TAKEN FOR AUTOMATIC SPRINKLER SYSTEM

BUILDING ELEMENT	REQUIRED	PROVIDED
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	0 HR	0 HR
BEARING WALLS – EXTERIOR	1 HR	N/A
BEARING WALLS – INTERIOR	0 HR	N/A
NONBEARING WALLS – EXTERIOR	0 HR	0 HR
NONBEARING WALLS – INTERIOR	0 HR	0 HR
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	0 HR	0 HR
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	0 HR	0 HR

INTERIOR FINISHES - TABLE 803.5 (IBC) / TABLE 806.3 (IFC)

MAXIMUM FLAMESPREAD CLASS – SPRINKLERED

OCCUPANCY GROUP	VERTICAL EXITS & EXIT PASSAGEWAYS	EXIT ACCESS CORRIDORS & OTHER EXITS	ROOMS & ENCLOSED SPACES
A2 (MOST RESTRICTIVE)	CLASS B	CLASS B	CLASS C

INTERIOR FINISHES INCLUDE BUT ARE NOT LIMITED TO VINYL WALLCOVERING AND ACOUSTICAL CEILINGS

FIRE-PROTECTION SYSTEMS - CHAPTER 9

WHERE THE PROVISIONS OF THE CODE REQUIRE A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM (BASED ON AREA INCREASES AND/OR OCCUPANCY), SPRINKLERS SHALL BE INSTALLED THROUGHOUT IN ACCORDANCE WITH NFPA 13 (SECTION 903.3.1.1)

AUTOMATIC SPRINKLER REQUIREMENTS BASED ON OCCUPANCY

OCCUPANCY	SECTION	REQUIRED	REASON
ASSEMBLY (A2)	903.2.1.3	YES	YES TO CONDITIONS 1 & 2

STANDPIPE SYSTEMS

COMPONENT	SECTION	REQUIRED	REASON
BUILDING HEIGHT	905.3.1	NO	HIGHEST FLOOR LEVEL IS NOT MORE THAN 30–FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS
GROUP A	905.3.2	NO	BUILDING EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM

PORTABLE FIRE EXTINGUISHERS

SECTION 906	REQUIRED	ADDITIONAL REQUIREMENTS
OCCUPANCY	ASSEMBLY/MERCANTILE	
BUILDING HAZARD CLASSIFICATION:	LIGHT HAZARD	
EXTINGUISHER RATING:	CLASS 4A	
MAXIMUM FLOOR AREA FOR EXTINGUISHER:	11,250 SF	
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER:	75–FEET	

FIRE ALARM & DETECTION SYSTEMS

FIRE ALARM			
OCCUPANCY	SECTION	REQUIRED	TYPE
ASSEMBLY	907.2.1	YES	* MANUAL FIRE ALARM WITH EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM
	907.2.1.1 SYSTEM INITIATION	NO	ACTIVATION OF FIRE ALARM IN GROUP A OCCUPANCIES WITH AN OCCUPANT LOAD OF 1,000 OR MORE SHALL INITIATE A SIGNAL USING AN EMERGENCY VOICE/ALARM COMMUNICATIONS SYSTEM IN ACCORDANCE WITH NFPA 72.
	907.2.1.2 EMERGENCY POWER	YES	EMERGENCY VOICE/ALARM COMMUNICATIONS SYSTEMS SHALL BE PROVIDED WITH AN APPROVED EMERGENCY POWER SOURCE.
FIRE DETECTION SYSTEMS (SMOKE AND/OR HEAT)			
OCCUPANCY	SECTION	REQUIRED	TYPE
ASSEMBLY	NOT APPLICABLE	NO	NOT APPLICABLE

* MANUAL FIRE ALARM BOXES ARE NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM AND THE NOTIFICATION APPLIANCES WILL ACTIVATE UPON SPRINKLER WATER FLOW.

MEANS OF EGRESS

RE: EXIT ANALYSIS DRAWINGS FOR EXITING REQUIREMENTS

OCCUPANT LOAD

POSTING OF OCCUPANT LOAD SECTION 1004.3

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY SPACE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE.

THE FOLLOWING ROOMS ARE CLASSIFIED AS "ASSEMBLY" OR ANY ROOM HAVING AN OCCUPANT LOAD OF MORE THAN 50 WHETHER OR NOT LISTED

MINIMALL SEATING

ACCESSIBILITY

AMERICAN WITH DISABILITIES ACT

ROOF-COVERING REQUIREMENTS - TABLE 1505.1

TYPE OF CONSTRUCTION	MINIMUM ROOF CLASS
TYPE IIIA	CLASS B

PLUMBING FACILITY REQUIREMENTS

RE: EXIT ANALYSIS DRAWINGS FOR OCCUPANCY LOAD FIGURES
INTERNATIONAL BUILDING CODE TABLE 2902.1
(#) INDICATES REFERENCE NOTE

OCCUPANCY	GENDER	OCCUPANT LOAD	WATER CLOSETS			LAVATORIES			OTHER
				MIN REQ	PROV		MIN REQ	PROV	
ASSEMBLY A2	MALE	245 (1)	1 PER 75	4	2/2 (2)	1 PER 200	3	3	
	FEMALE	245 (1)	1 PER 75	4	3	1 PER 200	3	3	
MERCANTILE M	MALE	152 (1)	1 PER 500	1	2/2 (2)	1 PER 750	2	2	
	FEMALE	152 (1)	1 PER 500	1	3	1 PER 750	2	2	
	TOTAL				14			10	1 SERVICE SINK

BUILDING CODE NOTES

(1) THE OCCUPANT LOAD SHALL BE COMPOSED OF 50% OF EACH SEX

(2) IN EACH BATHROOM OR TOILET ROOM, URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50 PERCENT OF THE REQUIRED WATER CLOSETS. NUMBER SHOWN IS WATER CLOSETS/URINALS

ABBREVIATION KEY:
REQ = REQUIRED
WC = WATER CLOSET
URN = URINAL
LAV = LAVATORY

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2 16 12
06–08–12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #14473
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
BUILDING CODE SUMMARY

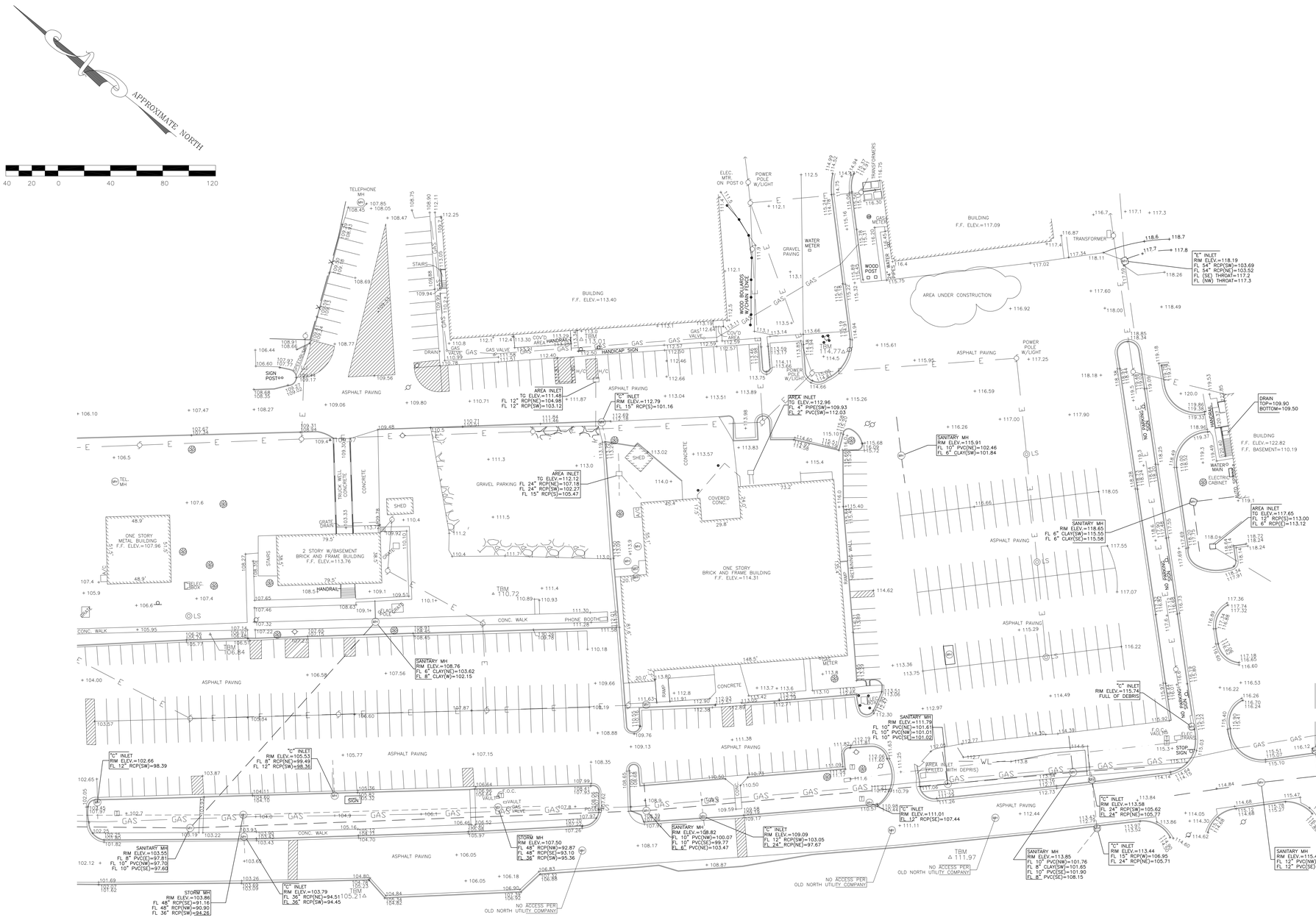
DATE: 06/08/12
SCALE: AS NOTED
SHEET: A0.20
DRAWING/PROJECT NO: 0530-06-000005
OF

6/7/2012 5:04:37 PM

NOTES:

1. The surveyor has not abstracted the subject property.
2. This survey was prepared without the benefit of a title commitment.
3. Elevations shown hereon are based on an assumed datum.
4. Site benchmarks shown hereon are 60d nails.
5. Underground gas lines were marked by others.
6. Manholes with no inverts were from previous field visit. Field crew was not allowed to open. 07-29-2009.

△ TBM/CONTROL POINT



LEGEND

- IRON ROD SET/FIND
- POWER POLE
- GUY ANCHOR
- MANHOLE
- MONITORING WELL
- CLEANOUT
- GATE VALVE & BOX
- FIRE HYDRANT
- WATER METER
- TELEPHONE PEDESTAL
- CABLE EQUIPMENT
- LS LIGHT STANDARD
- LIGHT
- TRAFFIC SIGN
- TREE
- PIPE BOLLARD
- F.O.C. FIBER OPTIC CABLE
- M.H. MANHOLE
- I.C.V. IRRIGATION CONTROL VALVE
- CURB LINE
- EDGE ASPHALT
- CURB INLET
- AREA INLET
- EDGE OF BUILDING
- 45.67 TOP OF CURB ELEVATION
- 45.17 GUTTER ELEVATION

- WOOD FENCE
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- OVERHEAD ELECTRIC
- WATERLINE
- GAS LINE
- TELEPHONE LINE
- EASEMENT
- AERIAL EASEMENT
- BUILDING LINE
- PARKING SETBACK
- CENTER OF SWALE
- TOP OF BANK
- +45.6 EXIST. NATURAL GROUND ELEVATION
- +45.67 EXIST. ASPHALT OR CONCRETE ELEVATION
- TBM TEMPORARY BENCHMARK

PLAT OF SURVEY

TOPOGRAPHY OF FORT BRAGG

REVISED 02-09-2012 TO ADD ADDITIONAL TOPO

Gruller Surveying, LLC
PROFESSIONAL LAND SURVEYING
1726 AUGUSTA DR., STE. 125
HOUSTON, TEXAS 77057

SCALE: 1" = 40'	FIELD BOOK: 2009-31	DATE: 07-24-2009
	LOCATION: FAYETTEVILLE, NORTH CAROLINA	
PHONE: (713) 333-1466	DWG. NO. 03-0904	

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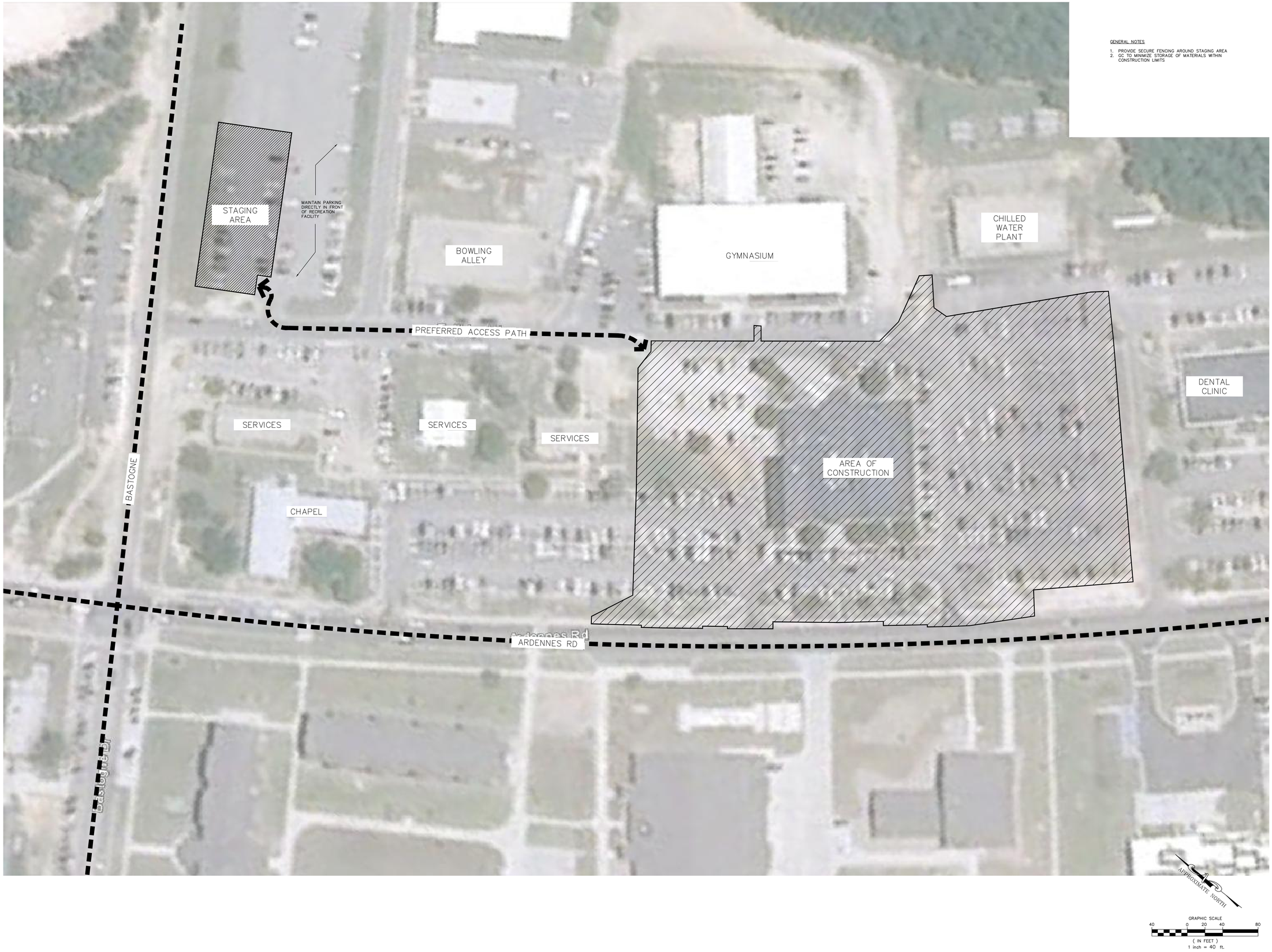

GENERAL NOTES

1. PROVIDE SECURE FENCING AROUND STAGING AREA
2. GC TO MINIMIZE STORAGE OF MATERIALS WITHIN CONSTRUCTION LIMITS

EXCHANGE™

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

SITE STAGING PLAN

DATE:	SCALE:	SHEET:
6/8/12	AS SHOWN	C0.1
DRAWING/PROJECT NO: 0530-06-000005		OF

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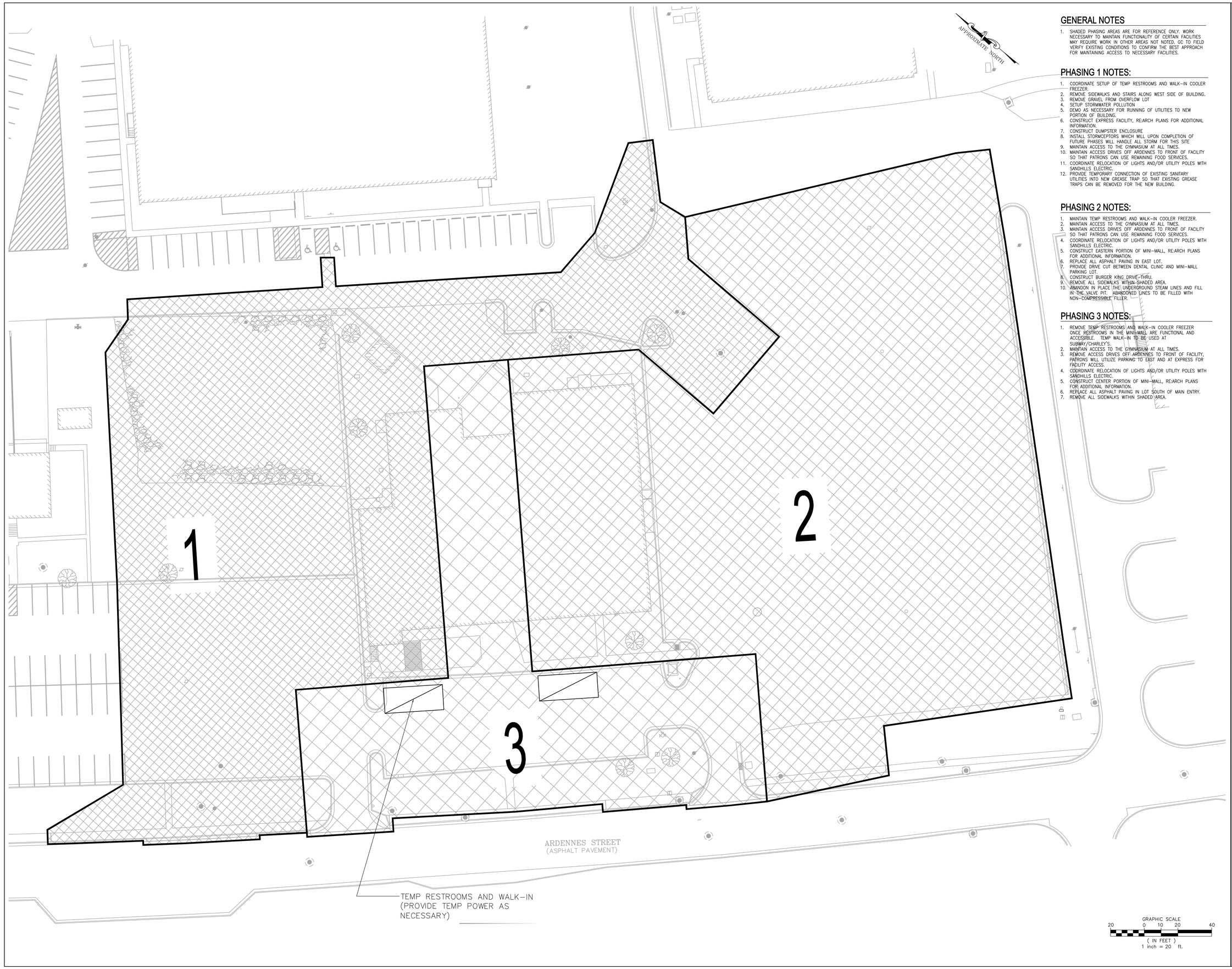

GENERAL NOTES

1. SHADED PHASING AREAS ARE FOR REFERENCE ONLY. WORK NECESSARY TO MAINTAIN FUNCTIONALITY OF CERTAIN FACILITIES MAY REQUIRE WORK IN OTHER AREAS NOT NOTED. GC TO FIELD VERIFY EXISTING CONDITIONS TO CONFIRM THE BEST APPROACH FOR MAINTAINING ACCESS TO NECESSARY FACILITIES.

PHASING 1 NOTES:

1. COORDINATE SETUP OF TEMP RESTROOMS AND WALK-IN COOLER FREEZER.
2. REMOVE SIDEWALKS AND STAIRS ALONG WEST SIDE OF BUILDING.
3. REMOVE GRAVEL FROM OVERFLOW LOT
4. SETUP STORMWATER POLLUTION
5. DEMO AS NECESSARY FOR RUNNING OF UTILITIES TO NEW PORTION OF BUILDING.
6. CONSTRUCT EXPRESS FACILITY, RE-ARCH PLANS FOR ADDITIONAL INFORMATION.
7. CONSTRUCT DUMPSTER ENCLOSURE
8. INSTALL STORMCEPTORS WHICH WILL UPON COMPLETION OF FUTURE PHASES WILL HANDLE ALL STORM FOR THIS SITE
9. MAINTAIN ACCESS TO THE GYMNASIUM AT ALL TIMES.
10. MAINTAIN ACCESS DRIVES OFF ARDENNES TO FRONT OF FACILITY SO THAT PATRONS CAN USE REMAINING FOOD SERVICES.
11. COORDINATE RELOCATION OF LIGHTS AND/OR UTILITY POLES WITH SANDHILLS ELECTRIC.
12. PROVIDE TEMPORARY CONNECTION OF EXISTING SANITARY UTILITIES INTO NEW GREASE TRAP SO THAT EXISTING GREASE TRAPS CAN BE REMOVED FOR THE NEW BUILDING.

PHASING 2 NOTES:

1. MAINTAIN TEMP RESTROOMS AND WALK-IN COOLER FREEZER.
2. MAINTAIN ACCESS TO THE GYMNASIUM AT ALL TIMES.
3. MAINTAIN ACCESS DRIVES OFF ARDENNES TO FRONT OF FACILITY SO THAT PATRONS CAN USE REMAINING FOOD SERVICES.
4. COORDINATE RELOCATION OF LIGHTS AND/OR UTILITY POLES WITH SANDHILLS ELECTRIC.
5. CONSTRUCT EASTERN PORTION OF MINI-MALL, RE-ARCH PLANS FOR ADDITIONAL INFORMATION.
6. REPLACE ALL ASPHALT PAVING IN EAST LOT.
7. PROVIDE DRIVE CUT BETWEEN DENTAL CLINIC AND MINI-MALL PARKING LOT.
8. CONSTRUCT BURGER KING DRIVE-THRU.
9. REMOVE ALL SIDEWALKS WITHIN SHADED AREA.
10. ABANDON IN PLACE THE UNDERGROUND STEAM LINES AND FILL IN THE VALVE PIT. ABANDONED LINES TO BE FILLED WITH NON-COMPRESSIBLE FILLER.

PHASING 3 NOTES:

1. REMOVE TEMP RESTROOMS AND WALK-IN COOLER FREEZER ONCE RESTROOMS IN THE MINI-MALL ARE FUNCTIONAL AND ACCESSIBLE. TEMP WALK-IN TO BE USED AT SUBWAY/CHARLEY'S.
2. MAINTAIN ACCESS TO THE GYMNASIUM AT ALL TIMES.
3. REMOVE ACCESS DRIVES OFF ARDENNES TO FRONT OF FACILITY, PATRONS WILL UTILIZE PARKING TO EAST AND AT EXPRESS FOR FACILITY ACCESS.
4. COORDINATE RELOCATION OF LIGHTS AND/OR UTILITY POLES WITH SANDHILLS ELECTRIC.
5. CONSTRUCT CENTER PORTION OF MINI-MALL, RE-ARCH PLANS FOR ADDITIONAL INFORMATION.
6. REPLACE ALL ASPHALT PAVING IN LOT SOUTH OF MAIN ENTRY.
7. REMOVE ALL SIDEWALKS WITHIN SHADED AREA.

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
SITE PHASING PLAN

DATE:	SCALE:	SHEET:
6/8/12	AS SHOWN	C0.5
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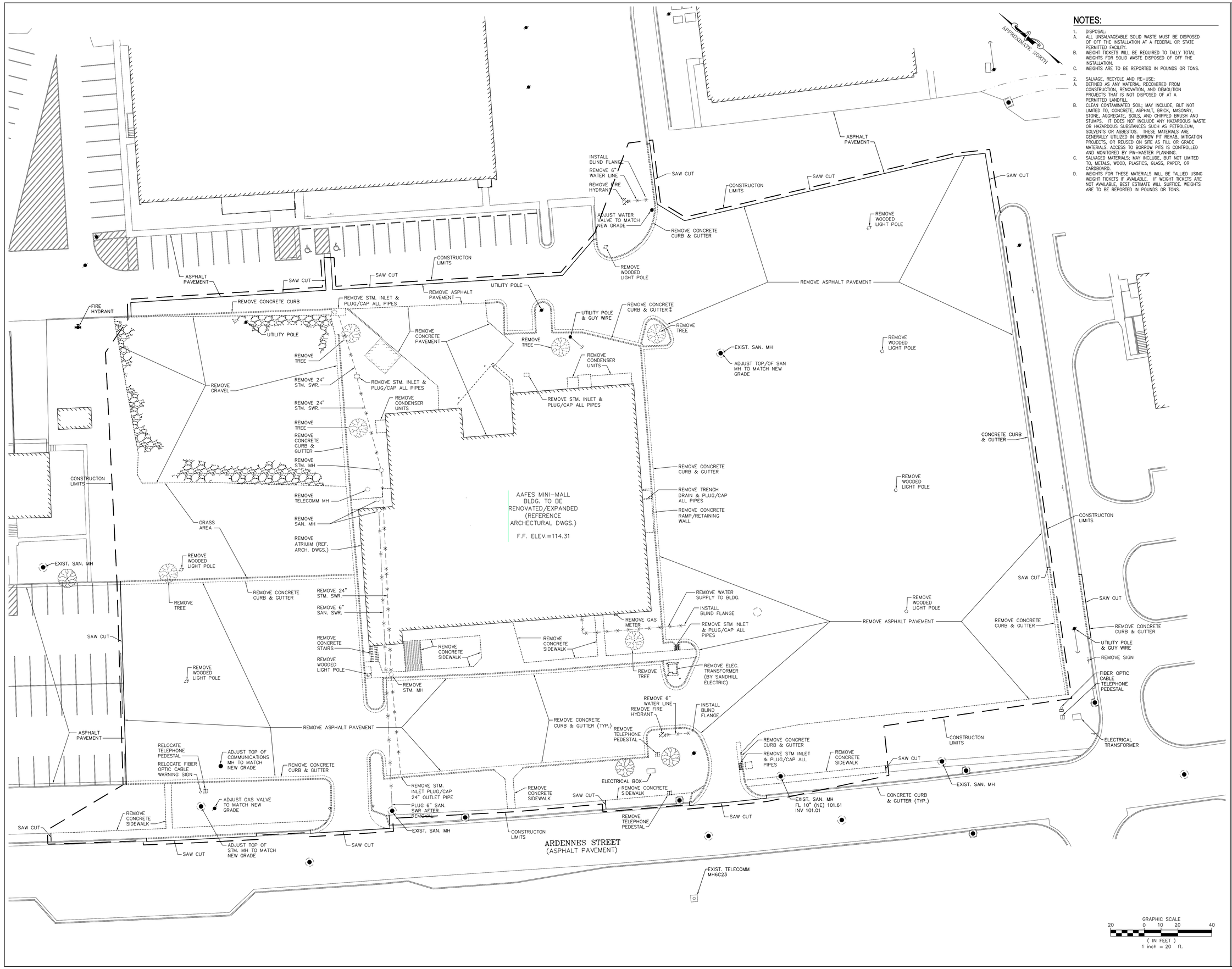

NOTES:

1. DISPOSAL:
   A. ALL UNSALVAGEABLE SOLID WASTE MUST BE DISPOSED OF OFF THE INSTALLATION AT A FEDERAL OR STATE PERMITTED FACILITY.
   B. WEIGHT TICKETS WILL BE REQUIRED TO TALLY TOTAL WEIGHTS FOR SOLID WASTE DISPOSED OF OFF THE INSTALLATION.
   C. WEIGHTS ARE TO BE REPORTED IN POUNDS OR TONS.
2. SALVAGE, RECYCLE AND RE-USE:
   A. DEFINED AS ANY MATERIAL RECOVERED FROM CONSTRUCTION, RENOVATION, AND DEMOLITION PROJECTS THAT IS NOT DISPOSED OF AT A PERMITTED LANDFILL.
   B. CLEAN CONTAMINATED SOIL; MAY INCLUDE, BUT NOT LIMITED TO, CONCRETE, ASPHALT, BRICK, MASONRY, STONE, AGGREGATE, SOILS, AND CHIPPED BRUSH AND STUMPS. IT DOES NOT INCLUDE ANY HAZARDOUS WASTE OR HAZARDOUS SUBSTANCES SUCH AS PETROLEUM, SOLVENTS OR ASBESTOS. THESE MATERIALS ARE GENERALLY UTILIZED IN BORROW PIT REHAB, MITIGATION PROJECTS, OR REUSED ON SITE AS FILL OR GRADE MATERIALS. ACCESS TO BORROW PITS IS CONTROLLED AND MONITORED BY PW-MASTER PLANNING.
   C. SALVAGED MATERIALS; MAY INCLUDE, BUT NOT LIMITED TO, METALS, WOOD, PLASTICS, GLASS, PAPER, OR CARDBOARD.
   D. WEIGHTS FOR THESE MATERIALS WILL BE TALLIED USING WEIGHT TICKETS IF AVAILABLE. IF WEIGHT TICKETS ARE NOT AVAILABLE, BEST ESTIMATE WILL SUFFICE. WEIGHTS ARE TO BE REPORTED IN POUNDS OR TONS.

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SITE DEMOLITION PLAN

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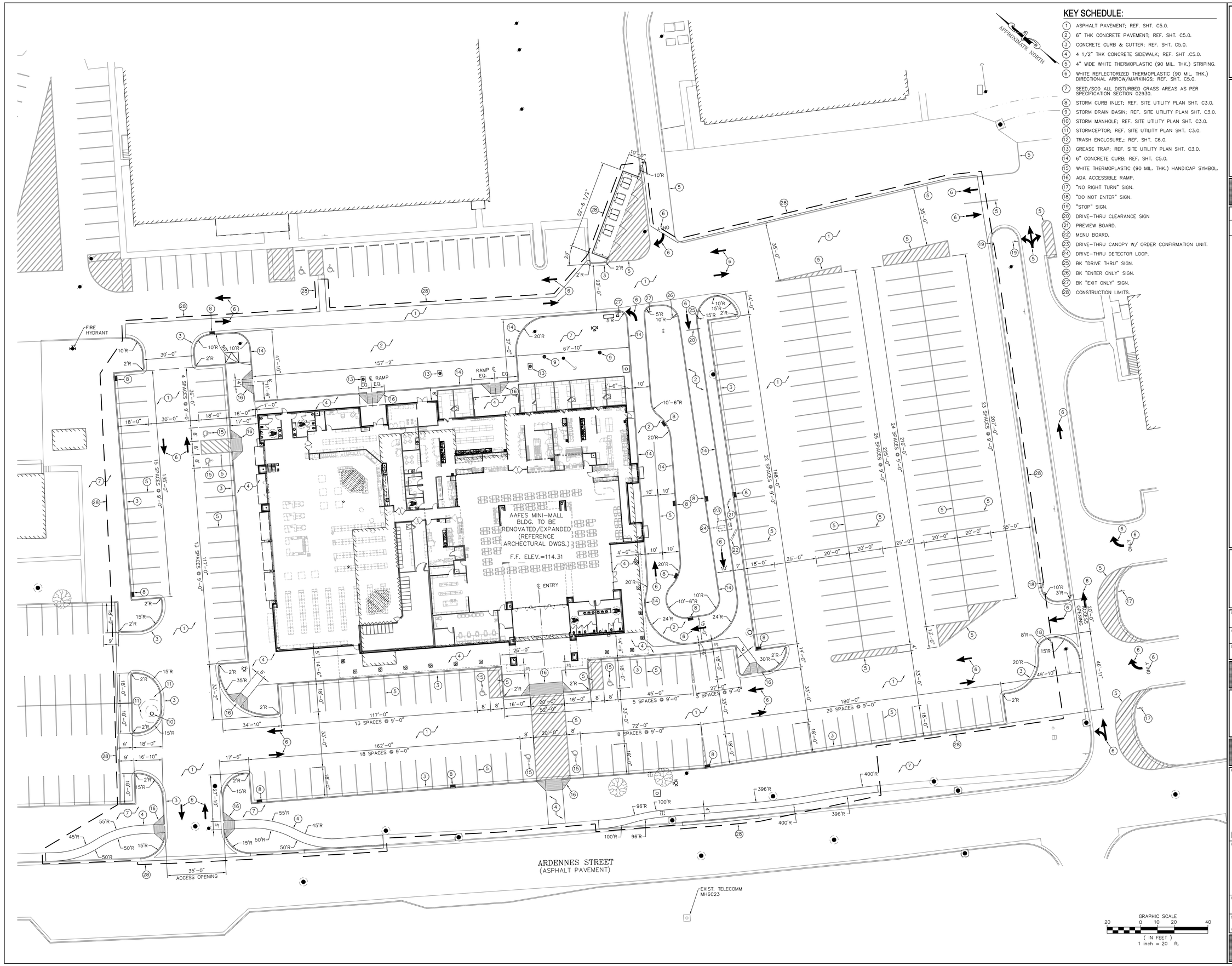

KEY SCHEDULE:

1. ASPHALT PAVEMENT; REF. SHT. C5.0.
2. 6" THK CONCRETE PAVEMENT; REF. SHT. C5.0.
3. CONCRETE CURB & GUTTER; REF. SHT. C5.0.
4. 4 1/2" THK CONCRETE SIDEWALK; REF. SHT .C5.0.
5. 4" WIDE WHITE THERMOPLASTIC (90 MIL. THK.) STRIPING.
6. WHITE REFLECTORIZED THERMOPLASTIC (90 MIL. THK.) DIRECTIONAL ARROW/MARKINGS; REF. SHT. C5.0.
7. SEED/SOD ALL DISTURBED GRASS AREAS AS PER SPECIFICATION SECTION 02930.
8. STORM CURB INLET; REF. SITE UTILITY PLAN SHT. C3.0.
9. STORM DRAIN BASIN; REF. SITE UTILITY PLAN SHT. C3.0.
10. STORM MANHOLE; REF. SITE UTILITY PLAN SHT. C3.0.
11. STORMCEPTOR; REF. SITE UTILITY PLAN SHT. C3.0.
12. TRASH ENCLOSURE,; REF. SHT. C6.0.
13. GREASE TRAP; REF. SITE UTILITY PLAN SHT. C3.0.
14. 6" CONCRETE CURB; REF. SHT. C5.0.
15. WHITE THERMOPLASTIC (90 MIL. THK.) HANDICAP SYMBOL.
16. ADA ACCESSIBLE RAMP.
17. "NO RIGHT TURN" SIGN.
18. "DO NOT ENTER" SIGN.
19. "STOP" SIGN.
20. DRIVE-THRU CLEARANCE SIGN
21. PREVIEW BOARD.
22. MENU BOARD.
23. DRIVE-THRU CANOPY W/ ORDER CONFIRMATION UNIT.
24. DRIVE-THRU DETECTOR LOOP.
25. BK "DRIVE THRU" SIGN.
26. BK "ENTER ONLY" SIGN.
27. BK "EXIT ONLY" SIGN.
28. CONSTRUCTION LIMITS.

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FORT BRAGG NORTH CAROLINA

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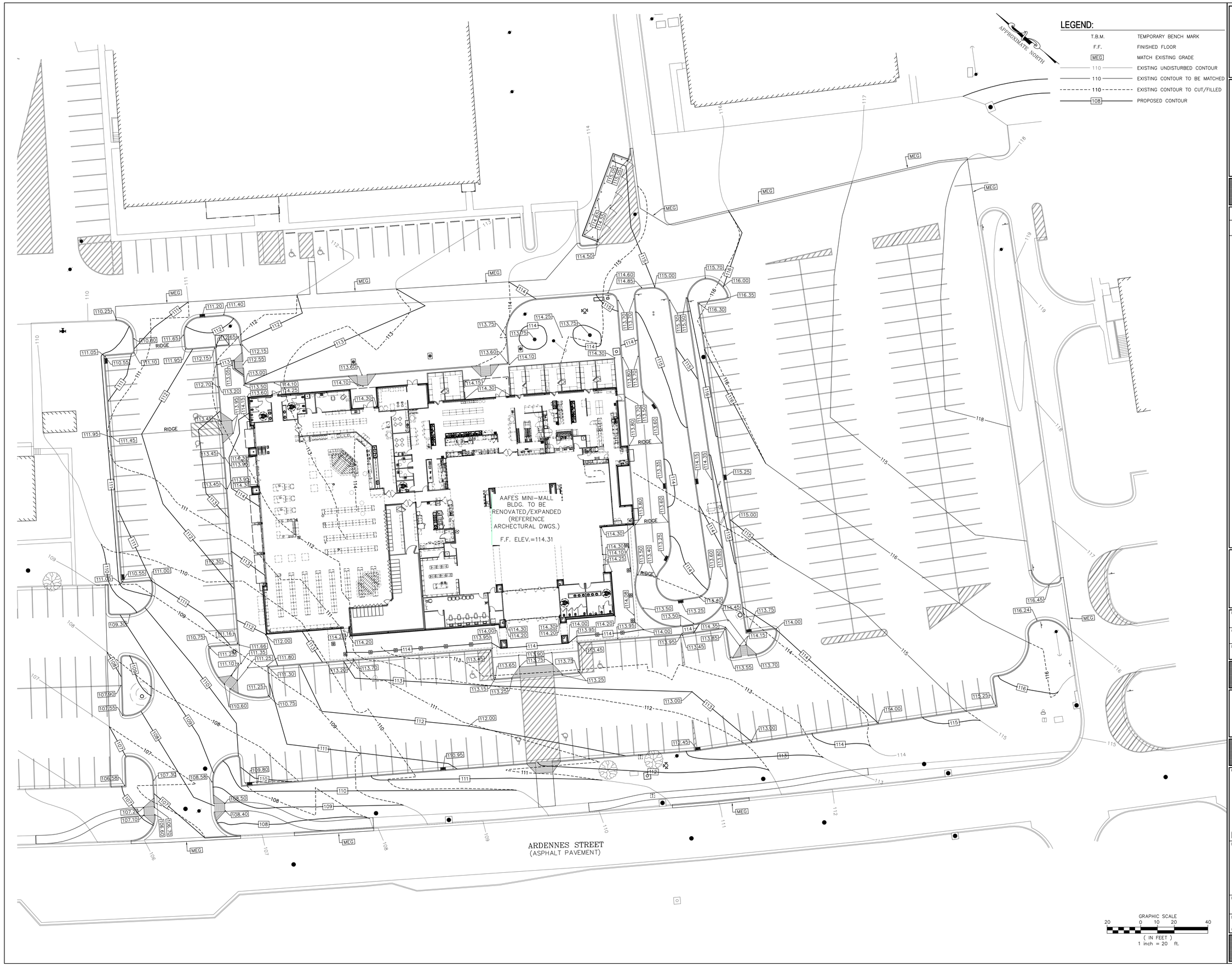

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

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SITE GRADING PLAN

DATE:	SCALE:	SHEET:
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DRAWING/PROJECT NO: 0530-06-000005		OF

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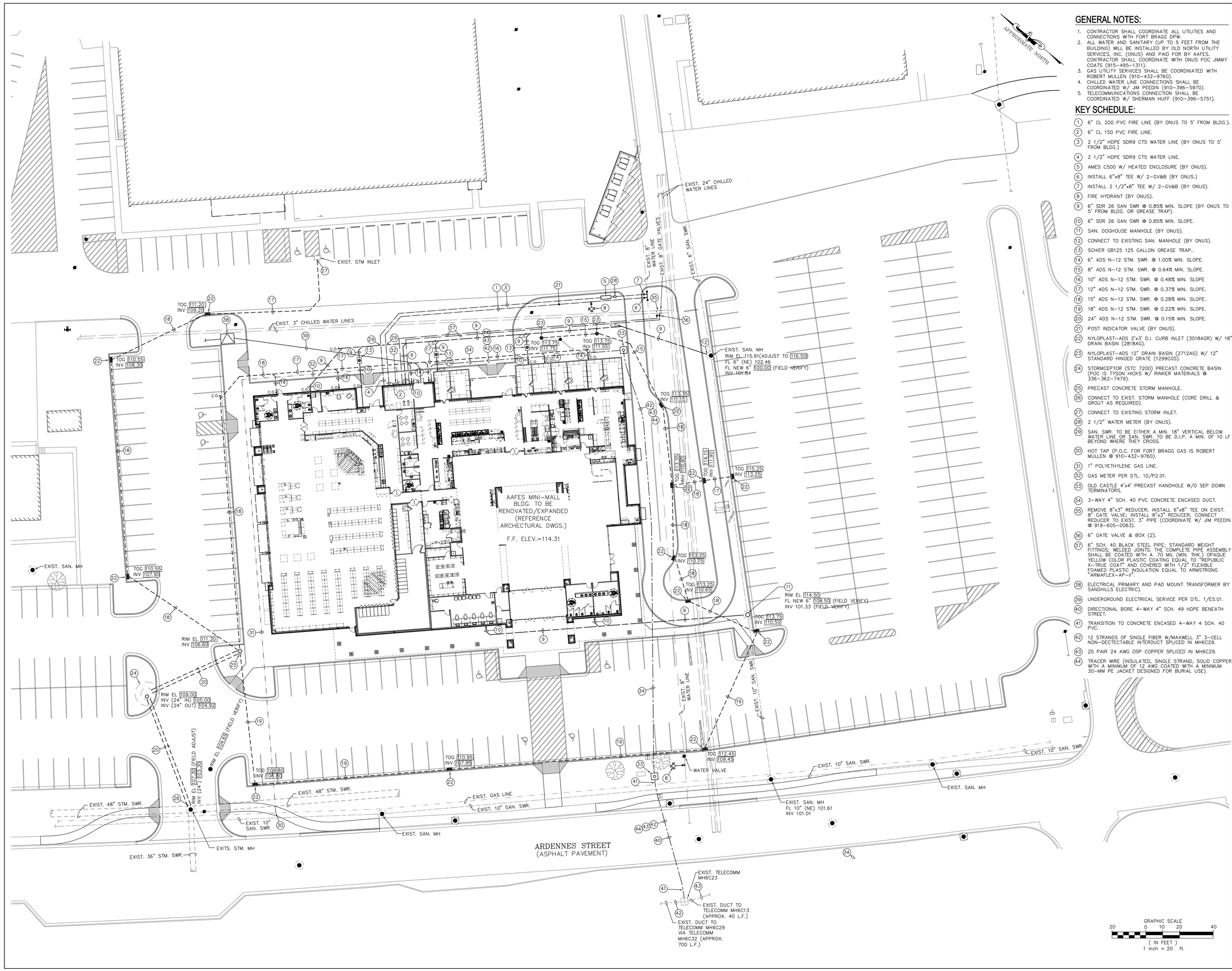

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL UTILITIES AND CONNECTIONS WITH FORT BRAGG DPW.
2. ALL WATER AND SANITARY (UP TO 5 FEET FROM THE BUILDING) WILL BE INSTALLED BY OLD NORTH UTILITY SERVICES, INC. (ONUS) AND PAID FOR BY AAFES. CONTRACTOR SHALL COORDINATE WITH ONUS POC JIMMY COATS (915–495–1311).
3. GAS UTILITY SERVICES SHALL BE COORDINATED WITH ROBERT MULLEN (910–432–9760).
4. CHILLED WATER LINE CONNECTIONS SHALL BE COORDINATED W/ JIM PEEDIN (910–396–5970).
5. TELECOMMUNICATIONS CONNECTION SHALL BE COORDINATED W/ SHERMAN HUFF (910–396–5751).

KEY SCHEDULE:

1. 6" CL 200 PVC FIRE LINE (BY ONUS TO 5' FROM BLDG.).
2. 6" CL 150 PVC FIRE LINE.
3. 2 1/2" HDPE SDR9 CTS WATER LINE (BY ONUS TO 5' FROM BLDG.)
4. 2 1/2" HDPE SDR9 CTS WATER LINE.
5. AMES C500 W/ HEATED ENCLOSURE (BY ONUS).
6. INSTALL 6"x8" TEE W/ 2–GV&B (BY ONUS.)
7. INSTALL 2 1/2"x8" TEE W/ 2–GV&B (BY ONUS).
8. FIRE HYDRANT (BY ONUS).
9. 6" SDR 26 SAN SWR @ 0.85% MIN. SLOPE (BY ONUS TO 5' FROM BLDG. OR GREASE TRAP).
10. 6" SDR 26 SAN SWR @ 0.85% MIN. SLOPE.
11. SAN. DOGHOUSE MANHOLE (BY ONUS).
12. CONNECT TO EXISTING SAN. MANHOLE (BY ONUS).
13. SCHIER GB125 125 GALLON GREASE TRAP..
14. 6" ADS N–12 STM. SWR. @ 1.00% MIN. SLOPE.
15. 8" ADS N–12 STM. SWR. @ 0.64% MIN. SLOPE.
16. 10" ADS N–12 STM. SWR. @ 0.48% MIN. SLOPE
17. 12" ADS N–12 STM. SWR. @ 0.37% MIN. SLOPE.
18. 15" ADS N–12 STM. SWR. @ 0.28% MIN. SLOPE.
19. 18" ADS N–12 STM. SWR. @ 0.22% MIN. SLOPE.
20. 24" ADS N–12 STM. SWR. @ 0.15% MIN. SLOPE.
21. POST INDICATOR VALVE (BY ONUS).
22. NYLOPLAST–ADS 2'x3' D.I. CURB INLET (3018AGR) W/ 18" DRAIN BASIN (2818AG).
23. NYLOPLAST–ADS 12" DRAIN BASIN (2712AG) W/ 12" STANDARD HINGED GRATE (1299CGS).
24. STORMCEPTOR (STC 7200) PRECAST CONCRETE BASIN (POC IS TYSON HICKS W/ RINKER MATERIALS @ 336–362–7479).
25. PRECAST CONCRETE STORM MANHOLE.
26. CONNECT TO EXIST. STORM MANHOLE (CORE DRILL & GROUT AS REQUIRED).
27. CONNECT TO EXISTING STORM INLET.
28. 2 1/2" WATER METER (BY ONUS).
29. SAN. SWR. TO BE EITHER A MIN. 18" VERTICAL BELOW WATER LINE OR SAN. SWR. TO BE D.I.P. A MIN. OF 10 LF BEYOND WHERE THEY CROSS.
30. HOT TAP (P.O.C. FOR FORT BRAGG GAS IS ROBERT MULLEN @ 910–432–9760).
31. 1" POLYETHYLENE GAS LINE.
32. GAS METER PER DTL. 10/P2.01.
33. OLD CASTLE 4'x4' PRECAST HANDHOLE W/O SEP DOWN TERMINATORS.
34. 3–WAY 4" SCH. 40 PVC CONCRETE ENCASED DUCT.
35. REMOVE 8"x3" REDUCER; INSTALL 6"x8" TEE ON EXIST. 8" GATE VALVE; INSTALL 8"x3" REDUCER; CONNECT REDUCER TO EXIST. 3" PIPE (COORDINATE W/ JIM PEEDIN @ 919–605–0063).
36. 6" GATE VALVE & BOX (2).
37. 6" SCH. 40 BLACK STEEL PIPE; STANDARD WEIGHT FITTINGS; WELDED JOINTS THE COMPLETE PIPE ASSEMBLY SHALL BE COATED WITH A .70 MIL (MIN. THK.) OPAQUE YELLOW COLOR PLASTIC COATING EQUAL TO "REPUBLIC X–TRUE COAT" AND COVERED WITH 1/2" FLEXIBLE FOAMED PLASTIC INSULATION EQUAL TO ARMSTRONG "ARMAFLEX–AP–II".
38. ELECTRICAL PRIMARY AND PAD MOUNT TRANSFORMER BY SANDHILLS ELECTRIC).
39. UNDERGROUND ELECTRICAL SERVICE PER DTL. 1/E5.01.
40. DIRECTIONAL BORE 4–WAY 4" SCH. 49 HDPE BENEATH STREET.
41. TRANSITION TO CONCRETE ENCASED 4–WAY 4 SCH. 40 PVC.
42. 12 STRANDS OF SINGLE FIBER W/MAXWELL 3" 3–CELL NON–DECTECTABLE INTERDUCT SPLICED IN MH6C29.
43. 25 PAIR 24 AWG OSP COPPER SPLICED IN MH6C29.
44. TRACER WIRE (INSULATED, SINGLE STRAND, SOLID COPPER WITH A MINIMUM OF 12 AWG COATED WITH A MINIMUM 30–MM PE JACKET DESIGNED FOR BURIAL USE).

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

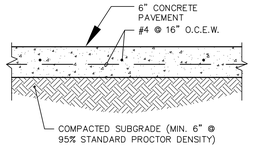
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

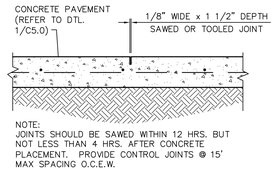
SITE UTILITY PLAN

DATE:	SCALE:	SHEET:
6/8/12	AS SHOWN	C3.0
DRAWING/PROJECT NO: 0530-06-000005		OF

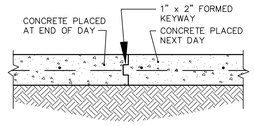
6/7/2012 2:14:11 PM



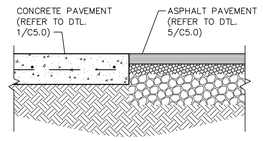
1 CONCRETE PAVING SECTION
SCALE: 1"=1'-0"



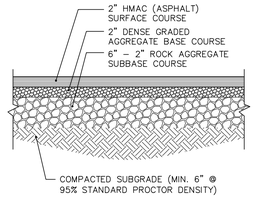
2 CONTROLLED JOINT DETAIL
SCALE: 1"=1'-0"



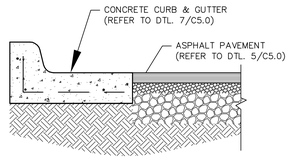
3 CONSTRUCTION JOINT DETAIL
SCALE: 1"=1'-0"



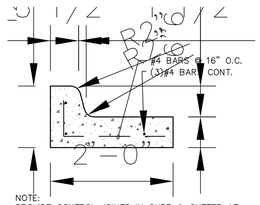
4 NEW ASPHALT AT NEW CONCRETE
SCALE: 1"=1'-0"



5 ASPHALT PAVING SECTION
SCALE: 1"=1'-0"



6 NEW CURB & GUTTER AT NEW ASPHALT
SCALE: 1"=1'-0"

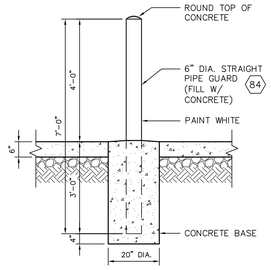


7 CONCRETE CURB AND GUTTER DETAIL
SCALE: 1"=1'-0"

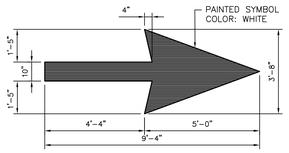
8 NOT USED

9 NOT USED

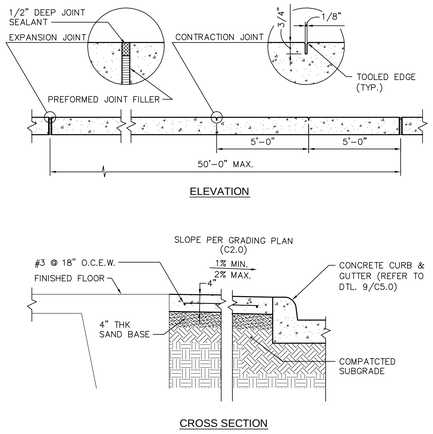
10 NOT USED



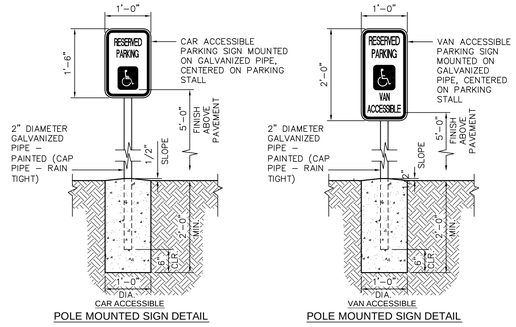
11 6" DIAMETER STRAIGHT PIPE GUARD DETAIL
SCALE: 1/2"=1'-0"



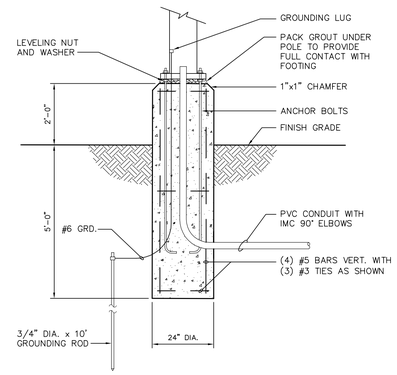
12 DIRECTIONAL ARROW DETAIL
SCALE: 3/8"=1'-0"



13 SECTION AT SIDEWALK
SCALE: 3/4"=1'-0"

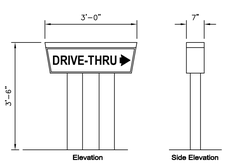


14 ADA PARKING SIGNAGE DETAILS
SCALE: 3/4"=1'-0"



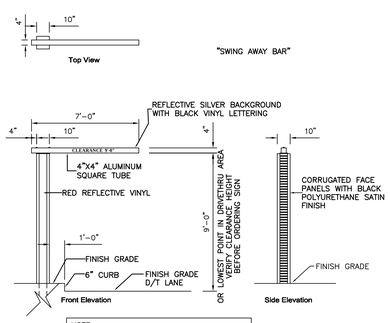
15 AREA LIGHT CONCRETE FOUNDATION DETAIL
SCALE: 1"=1'-0"

16 NOT USED



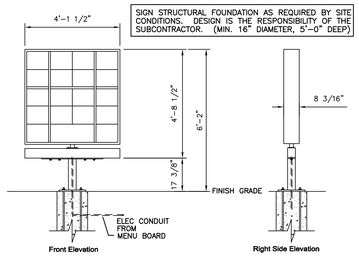
NOTE:
SIGN STRUCTURAL FOUNDATION AS REQ'D. BY SITE CONDITIONS. DESIGN IS THE RESPONSIBILITY OF THE SUBCONTRACTOR.

17 DIRECTIONAL SIGN
SCALE: 1/2"=1'-0"

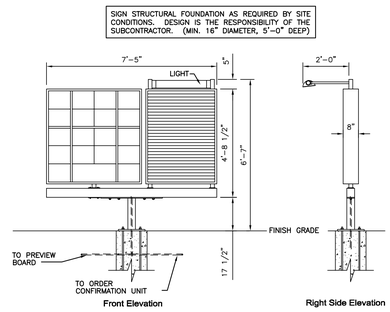


NOTE:
SIGN STRUCTURAL FOUNDATION AS REQUIRED BY SITE CONDITIONS. DESIGN IS THE RESPONSIBILITY OF THE SUBCONTRACTOR.

18 DRIVE-THRU CLEARANCE SIGN
SCALE: 1/4"=1'-0"



19 PREVIEW BOARD
SCALE: 3/8"=1'-0"



20 MENUBOARD ELEVATIONS
SCALE: 3/8"=1'-0"

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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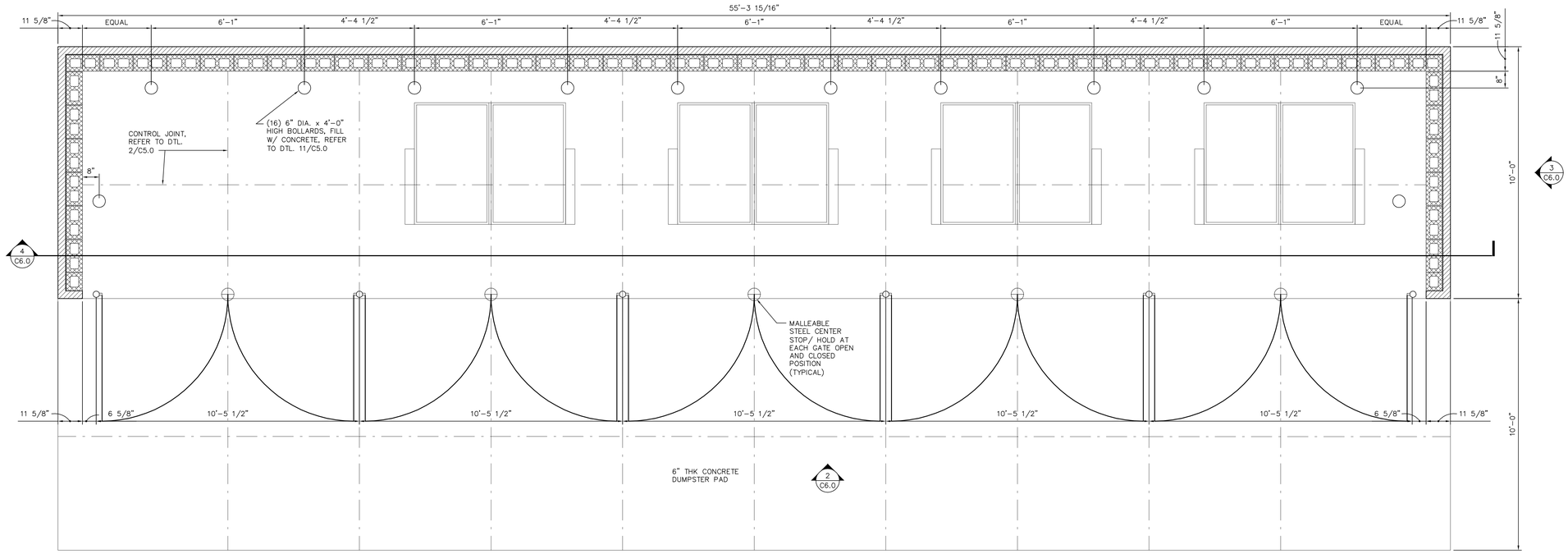
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
CIVIL SITE DETAILS

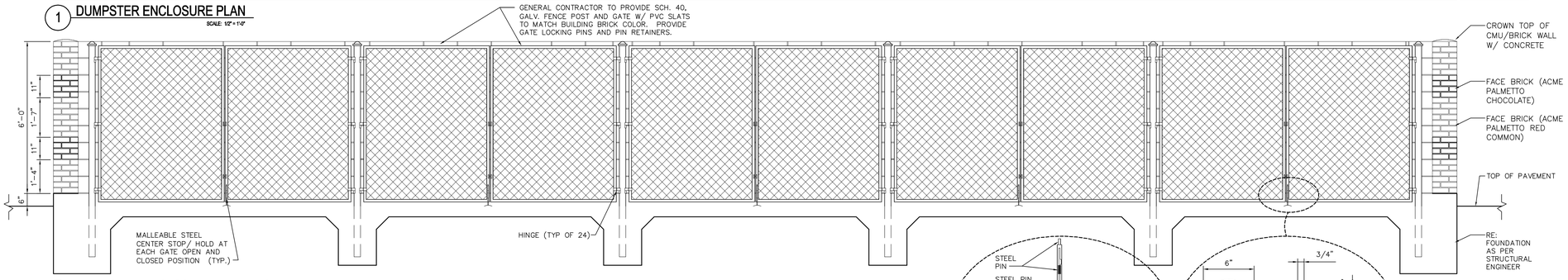
DATE:	SCALE:	SHEET:
6/8/12	AS SHOWN	C5.0
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 2:13:55 PM



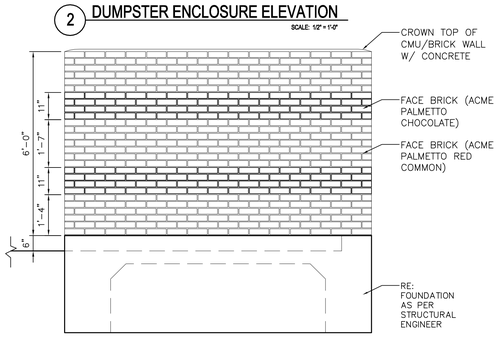
1 DUMPSTER ENCLOSURE PLAN

SCALE: 1/2" = 1'-0"



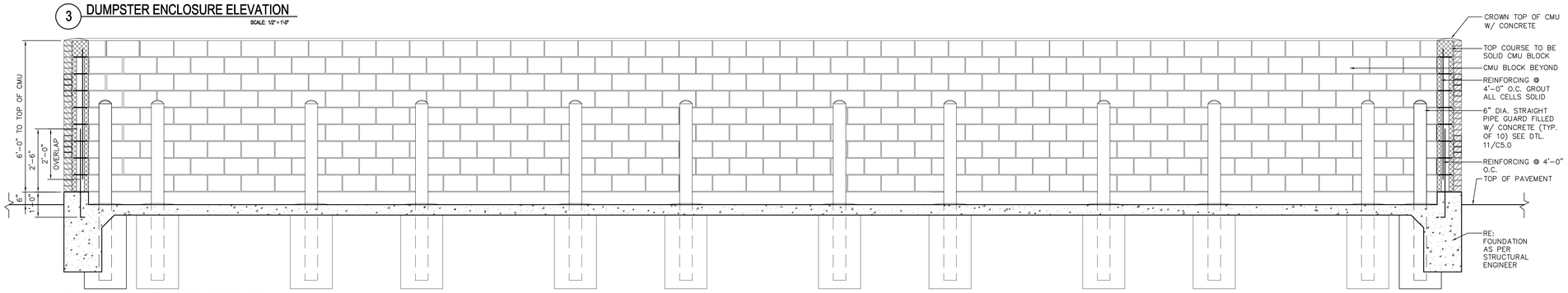
2 DUMPSTER ENCLOSURE ELEVATION

SCALE: 1/2" = 1'-0"



3 DUMPSTER ENCLOSURE ELEVATION

SCALE: 1/2" = 1'-0"



4 DUMPSTER ENCLOSURE SECTION

SCALE: 1/2" = 1'-0"

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

CLG

SOLICITATION DOCUMENTS

DRAWN BY: JL
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DATE: --

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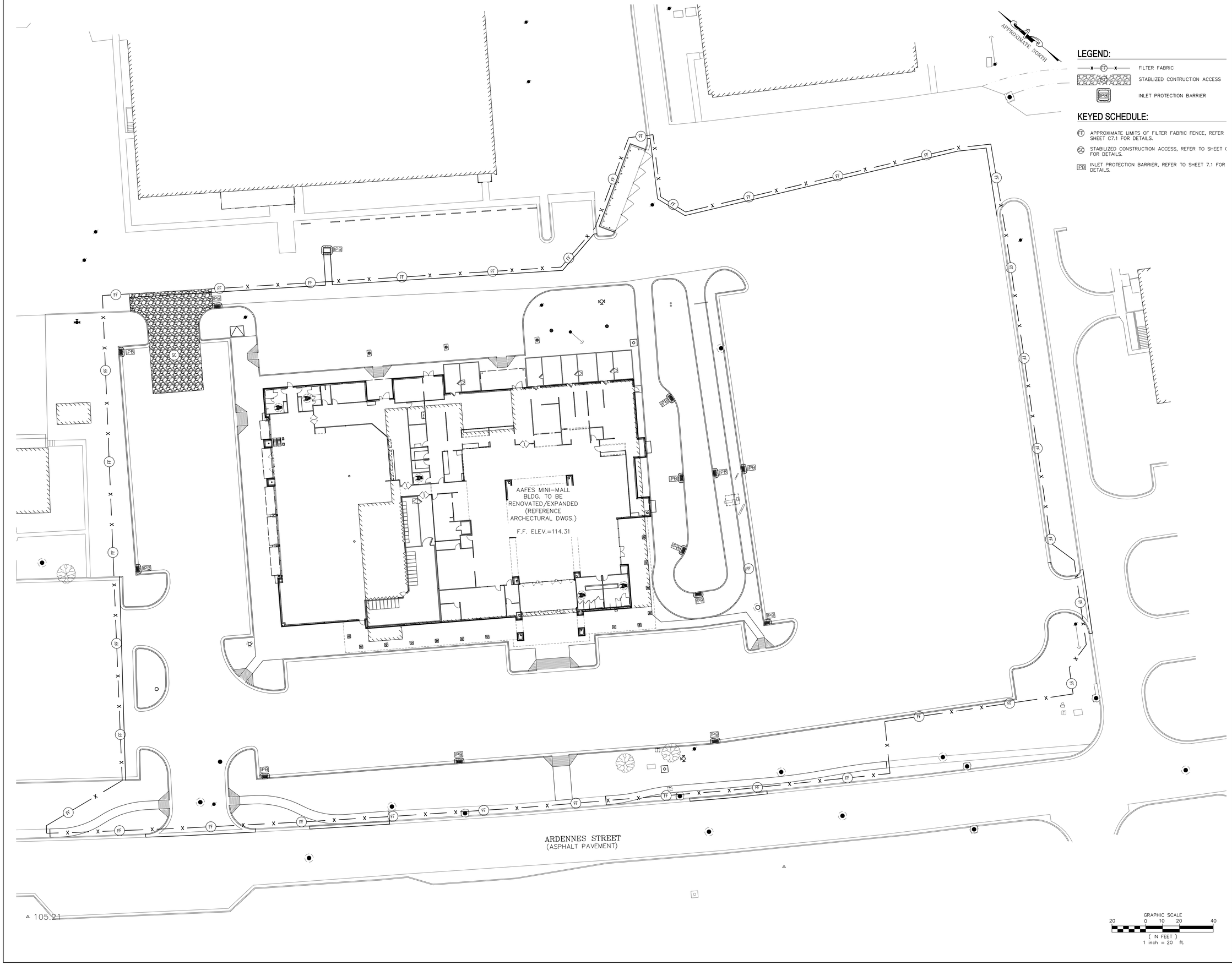
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
DUMPSTER ENCLOSURE PLAN AND DETAILS

DATE:	SCALE:	SHEET:
6/8/12	AS NOTED	C6.0
DRAWING/PROJECT NO: 0530-06-000005		OF__



LEGEND:

- FILTER FABRIC
- STABLIZED CONTRUCTION ACCESS
- INLET PROTECTION BARRIER

KEYED SCHEDULE:

FF APPROXIMATE LIMITS OF FILTER FABRIC FENCE, REFER SHEET C7.1 FOR DETAILS.

SC STABILIZED CONSTRUCTION ACCESS, REFER TO SHEET C FOR DETAILS.

IPB INLET PROTECTION BARRIER, REFER TO SHEET 7.1 FOR DETAILS.

EXCHANGE™

STATE OF NORTH CAROLINA
L. KENDRICK JOHNSON
PROFESSIONAL ENGINEER

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #F1449

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PROJECT:

82ND AIRBORNE
MINI-MALL
EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

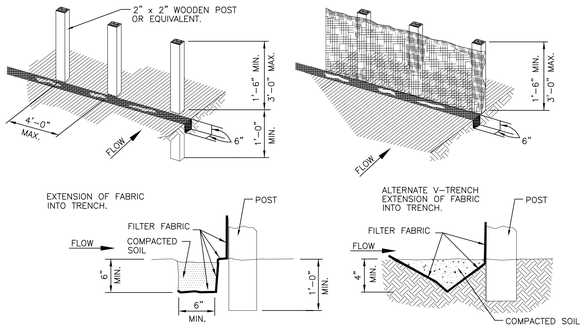
EROSION
CONTROL
PLAN

DATE:	SCALE:	SHEET:
6/8/12	AS SHOWN	C7.0
DRAWING/PROJECT NO: 0530-06-000005		OF __

6/7/2012 2:13:29 PM

1. SET POSTS AT REQUIRED SPACING AND DEPTH. EXCAVATE A 6" x 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS.

2. ATTACH FILTER FABRIC TO POSTS AND INSTALL IT INTO THE TRENCH. BACKFILL THE TRENCH AND COMPACT THE EXCAVATED SOIL.



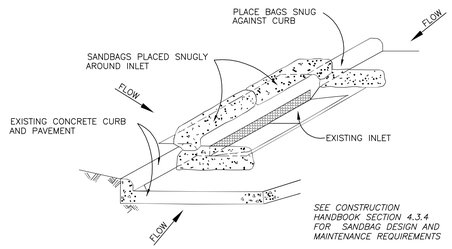
GENERAL NOTES:

1. SET POSTS AT 4-FEET MAXIMUM SPACING. IF FACTORY PREASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAXIMUM.
2. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT THE POST, FOLD TOGETHER, AND ATTACH TO THE POSTS.
3. REMOVE SEDIMENT DEPOSITS WHEN SILT DEPTH REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE.

FILTER FABRIC FENCE

FF

SYMBOL



GENERAL NOTES:

1. BAGS OR WATTLES CAN BE USED FOR THIS APPLICATION.
2. PROVIDE WOVEN OR UNWOVEN GEOTEXTILE FILTER FABRIC FOR BAGS.
3. PROVIDE COARSE SAND AND AGGREGATE MIX FOR FILL MATERIAL FOR BAGS. USE ONLY PARTICLES CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COATINGS, SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT OR FLAKY MATERIALS, OR ORGANIC AND INJURIOUS MATTER.
4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

INLET PROTECTION BARRIERS FOR STAGE II INLETS

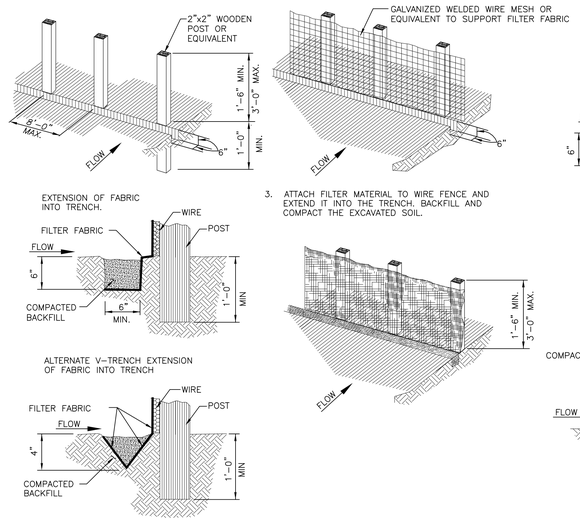
IPB

SYMBOL

1. SET POSTS AT REQUIRED SPACING AND DEPTH. EXCAVATE 6" x 6" TRENCH UPSLOPE ALONG THE LINE OF POSTS.

2. SECURE MESH FENCING TO POSTS

3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH. BACKFILL AND COMPACT THE EXCAVATED SOIL.



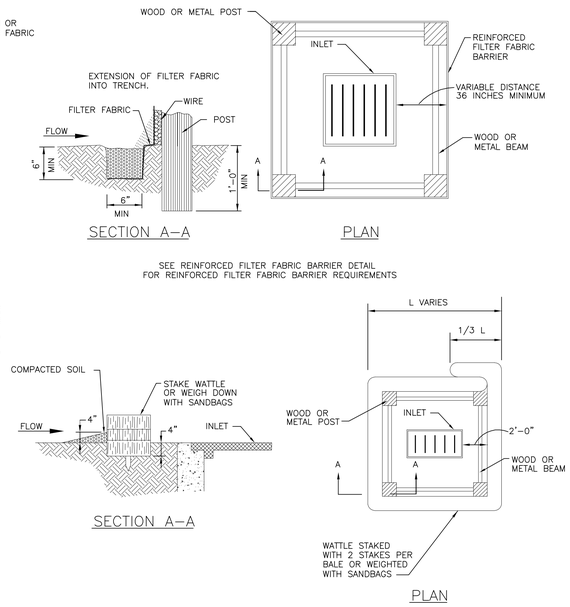
GENERAL NOTES:

1. SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES OR TIE WIRES.
2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

REINFORCED FILTER FABRIC BARRIER

RFB

SYMBOL

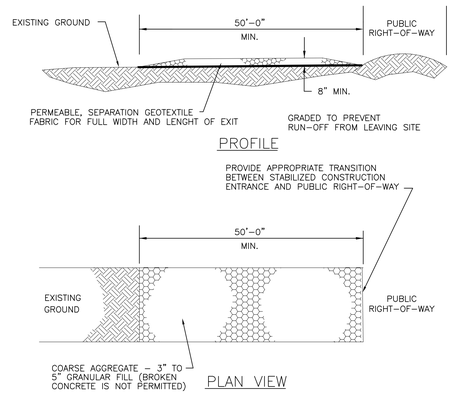


NOTE:
TYPICALLY STRAW BALES ARE NOT RECOMMENDED FOR INLET PROTECTION BARRIERS.

INLET PROTECTION BARRIERS FOR STAGE I INLETS

IPB

SYMBOL



GENERAL NOTES:

1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE.
2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING ALL POINTS OF INGRESS OR EGRESS.
3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING AREA.
5. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OR WHEN SURFACE BECOMES PACKED WITH MUD.
6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN DRIVING SURFACE.
7. ALTERNATIVE METHODS OF CONSTRUCTION INCLUDE
   -CEMENT STABILIZED SOIL: COMPACTED CEMENT STABILIZED SOIL, LIMESTONE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES.
   -WOOD MATS: OAK OR OTHER HARDWOOD TIMBERS PLACED EDGE TO EDGE AND ACROSS SUPPORT WOODEN BEAMS WHICH ARE PLACED ON TOP OF EXISTING SOIL IN AN APPLICATION THICKNESS OF 6 INCHES.
   -STEEL MATS: PERFORATED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.

STABILIZED CONSTRUCTION ACCESS

SC

SYMBOL

EXCHANGE™

STATE OF NORTH CAROLINA
J. KENNETH LAMPE
052759
REGISTERED PROFESSIONAL ENGINEER

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: -

FIRM #1449
morris+associates
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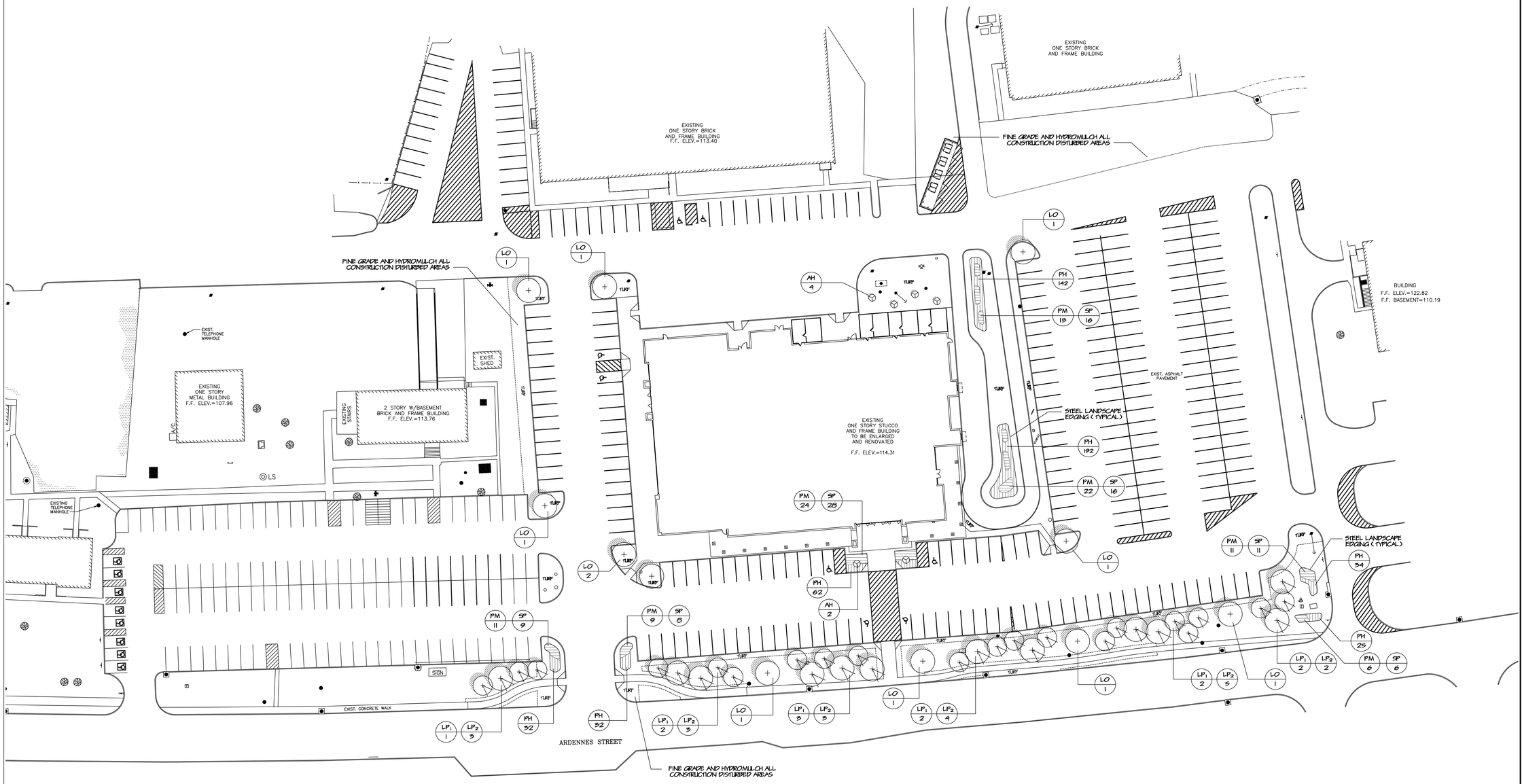
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
EROSION CONTROL PLAN DETAILS

DATE:	SCALE:	SHEET:
6/8/12		C7.1
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 2:13:15 PM



PLANT LIST

QUANT.	SYMBOL	PLANT TYPE	SIZE	NOTES
6	AH	AMERICAN HOLLY Ilex opaca	30 GAL. 1.75" CAL. MIN.	SINGLE-TRUNK , FULL, HEALTHY 7' - 9' HT. X 3.5' - 4' SPR.
11	L O	LIVE OAK Quercus virginiana	65 GAL. 3" CAL. MIN.	SINGLE-TRUNK , DOUBLE-STAKED 11' - 14' HT. X 5' - 6' SPR. , MATCHING
12	L P 1	LONG LEAF PINE Pinus palustris	30 GAL. 1.75" CAL. MIN.	SINGLE-TRUNK , DOUBLE-STAKED 8' - 10' HT. X 4' - 5' SPR. , MATCHING
20	L P 2	LONG LEAF PINE Pinus palustris	15 GAL. .75" CAL. MIN.	SINGLE-TRUNK 5' - 6' HT. X 3' - 4' SPR. , MATCHING
519	PH	WILD BLUE PHLOX Phlox divaricata	1 GAL.	18" O.C. , FULL , HEALTHY 3" - 14" HT. X 5" - 6" SPR.
98	P M	PURPLE (GULF) MUHLY Muhlenbergia capillaris	3 GAL.	2' O.C. , FULL , HEALTHY, MATCHING 24" HT. MINIMUM
94	S P	SWEET PEPPERBUSH Clethra alnifolia	1 GAL. - 2 GAL.	2' O.C. , FULL , HEALTHY, MATCHING 24" HT. MINIMUM
	TURF	'SAHARA' BERMUDAGRASS Cynodon dactylon x 'Sahara'	SQ. FT.	ALL DISTURBED AREAS SEE WRITTEN SPECIFICATIONS ON L-2

PREPARED BY :
INTEGRATED LANDSCAPE ARCHITECTURE
DEERWOOD, TX.
PH 713-973-7891

LANDSCAPE PLAN

SCALE : 1" = 30'

EXCHANGE™

6/08/12
STATE OF TEXAS
DUANE BUNGO
375
REGISTERED
LANDSCAPE ARCHITECT

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: DB
CHECKED BY: MZ/JL
DATE: 6/08/2012

FIRM #1449
morris + associates
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
LANDSCAPE PLAN

DATE:	SCALE:	SHEET:
6/08/12	1" = 30'	L1.0
DRAWING/PROJECT NO: 0530-06-000005		OF 2

LANDSCAPE CONSTRUCTION SPECIFICATIONS :

1.) General Contractor to bring all areas to final grade using a gradable soil and/ or sand mix and backblade.

2.) Prepare all new planting beds by removing all rocks, concrete and construction debris and till in 5'' of new acidic Mixed Soil and pre-emergent herbicide such as Pennant or Epsam at the recommended rates, then rake all bed areas smooth prior to planting. Install 1/ 8''x 4'' green steel landscape edging (16' long pieces) as indicated on plan where new planting beds meet turf. When end of edging butts up against paving, trim exposed corner at 45 degree angle for pedestrian safety.

3.) Grade all planting beds to edges of beds and away from buildings prior to planting for positive drainage away from foundation(s) .

4.) Fertilize all new trees, shrubs and groundcovers with Osmocote (or equal) time-release fertilizer.

5.) Mulch all new planting beds and trees with a 2'' (avg.) locally collected Pine Straw.

6.) Double-Stake all specified trees (see plant list) with 2 (7' tall) painted metal T-Posts, multi-strand coated steel wire and clear poly-vinyl tubing.

7.) Root-Stimulate all new trees with Superthrive brand root-stimulator (or equal) as per manufacturers recommendations.

8.) Plant sizes shown are the minimum acceptable. Plants will be inspected and measured for conformance. Plants specified with container size only shall be of or better than locally accepted nursery standards. Obviously undersized, misshapen, weak or inadequately rooted plants will be rejected. The Owner's decision will be final in matters concerning plant size, condition and health. Plants larger in size than specified may be used if approved by the Landscape Architect or the Owner, but the use of larger plants will not automatically increase the contract amount.

9.) Thoroughly handwater all new plantings immediately after planting.

10.) Fine grade all new turf areas (by hand if necessary) prior to installation of grass. This is for a nice smooth turf-bed as well as for normal drainage purposes.

11.) All disturbed turf areas are to be hydro-mulched per the following official ''Fort Bragg Seeding Specifications'':
1.) Area will be tilled to a 4'' depth.
2.) Apply Lime at 50 lbs. per 1000 square ft. or 1 ton per acre.
3.) Apply 10-20-20 fertilizer at a rate of 850 lbs. per acre or 20 lbs. per 1000 square ft. The fertilizer should either be slow, time release or applied in two applications : 1/ 2 at time of planting and the second 1/ 2 after permanent seed germinates.
4.) The lime and fertilizer will be worked into the top 2 inches of soil prior to seeding.
5.) Seed Mix and Rate :

''Cool Season'' Planted between 15 August and 15 April ;
50 lbs. per acre Rye Grass ''NO RYE GRASS''
15 lbs. per acre common Bermuda hulled
15 lbs. per acre common Bermuda unhulled

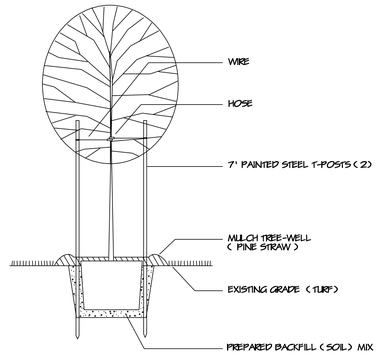
''Warm Season'' Planted between 15 April and 15 August
50 lbs. per acre German brown top or foxtail Millet
30 lbs. per acre common Bermuda hulled

''Straw Mulch'' 4,000 lbs. per acre, the ground should be completely covered with no bare spot larger than a quarter, then tacked with emulsified asphalt. Emulsified asphalt applied at a rate heavy enough that the entire area appears black in color.

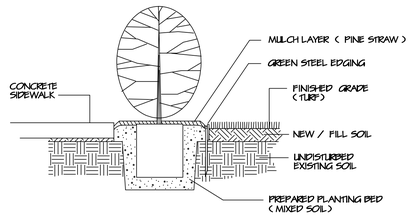
''Hydro Seeding'' Steps 1 thru 4 must be completed prior to hydro seeding. Hydro seeding should be applied in two applications. The first application will consist of 1/ 3 of the mulch and 2/ 3 of the seed and the second application will consist of 1/ 3 of the seed and 2/ 3 of the mulch. The mulch will include a tackifier and will be applied at a rate of 2,000 lbs. per acre.

12.) Landscape contractor is responsible for keeping jobsite neat, clean and safe at all times in reference to their landscape work. Excess excavated soil, accumulations of landscape related trash, plant containers etc. to be removed from jobsite by Landscape Contractor daily and at the end of the project.

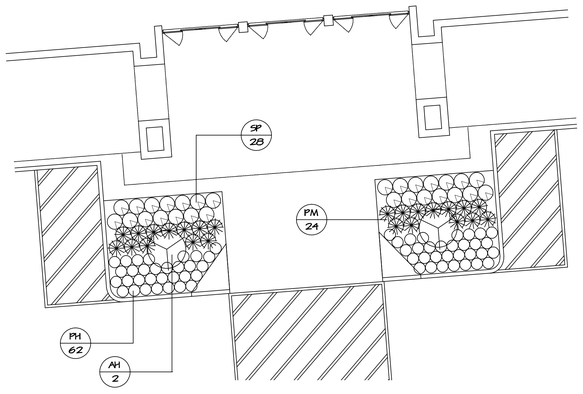
13.) The Owner, Landscape Architect and general Contractor reserve the right to inspect the progress of the project and any or all of the materials and procedures used at any time. Such materials and procedures will be subject to approval or rejection at that time and promptly followed up in writing to all concerned parties.

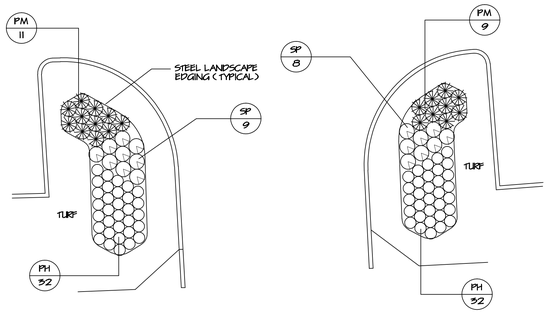


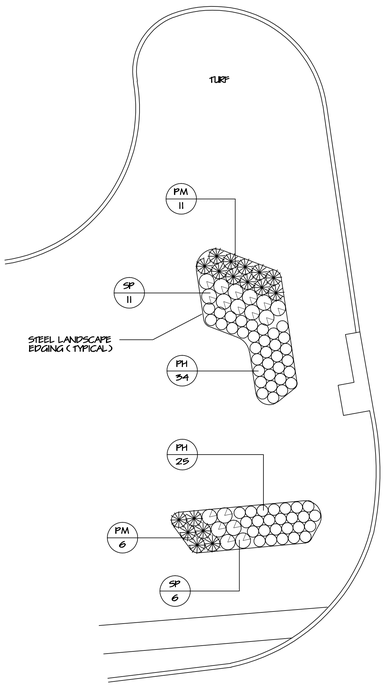
A TREE PLANTING DETAIL

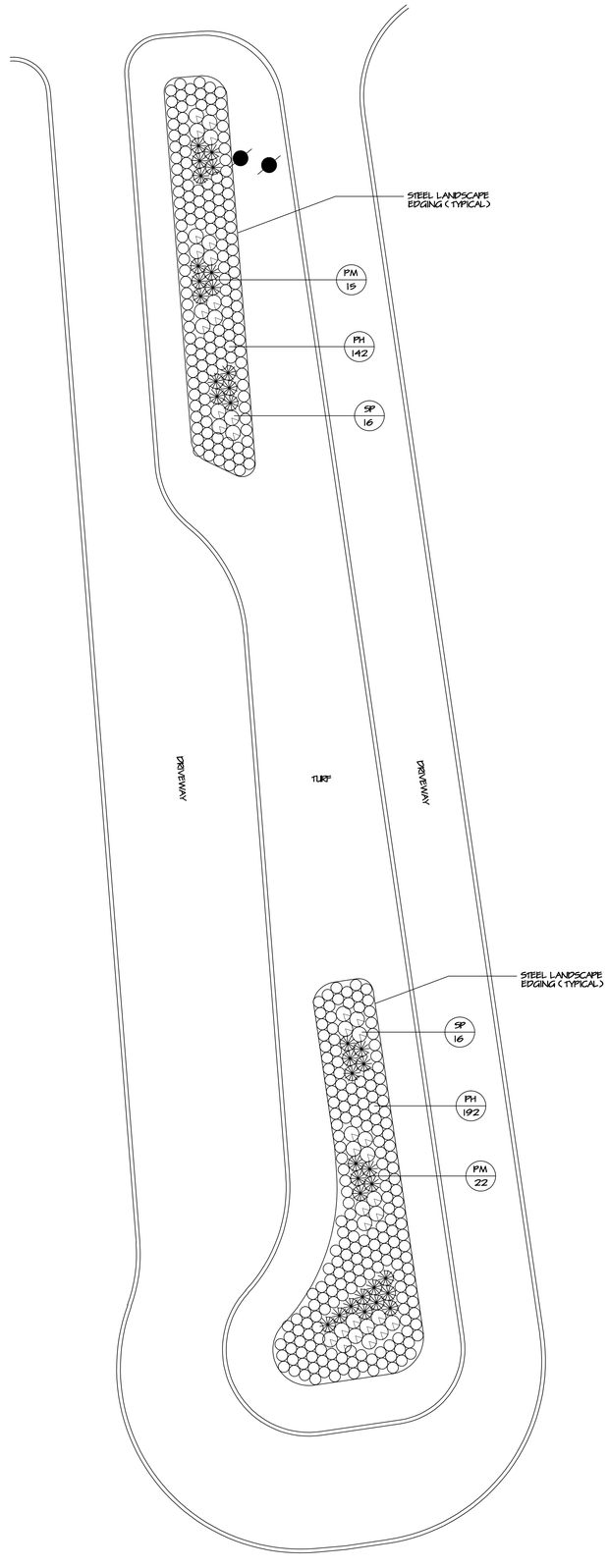


B SHRUB PLANTING DETAIL









C PLANTING BED DETAILS
SCALE : 1/ 8'' = 1'

PREPARED BY :
INTEGRATED LANDSCAPE ARCHITECTURE
DRIFTWOOD, TX.
PH 713-975-7891

EXCHANGE™

8/08/12
STATE OF TEXAS
DUANE BUNGO
1375
REGISTERED
LANDSCAPE ARCHITECT

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: DB
CHECKED BY: MZ/JL
DATE: 8/08/2012

Firm #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 858-6433
(281) 858-6304 FAX

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
LANDSCAPE PLAN

DATE:	SCALE:	SHEET:
8/08/12	1/8" = 1'	L2.0
DRAWING/PROJECT NO: 0530-06-000005		OF 2

CALCULATED OCCUPANT LOAD — 10 — 200 SF / 20 SF/OCC — FLOOR AREA (SQUARE FEET)

OCCUPANT LOAD FACTOR IBC/IFC TABLE 1004.1.2

MAXIMUM CALCULATED EXIT LOAD — 600 — 0.22" / 1.32"

OCCUPANT LOAD FACTOR (INCHES) IBC/IFC TABLE 1005.1/1024.6.1

CLEAR EXIT WIDTH (INCHES) PROVIDED DOORS CALCULATED W/ 33" CLEAR NET WIDTH (36" DOOR)

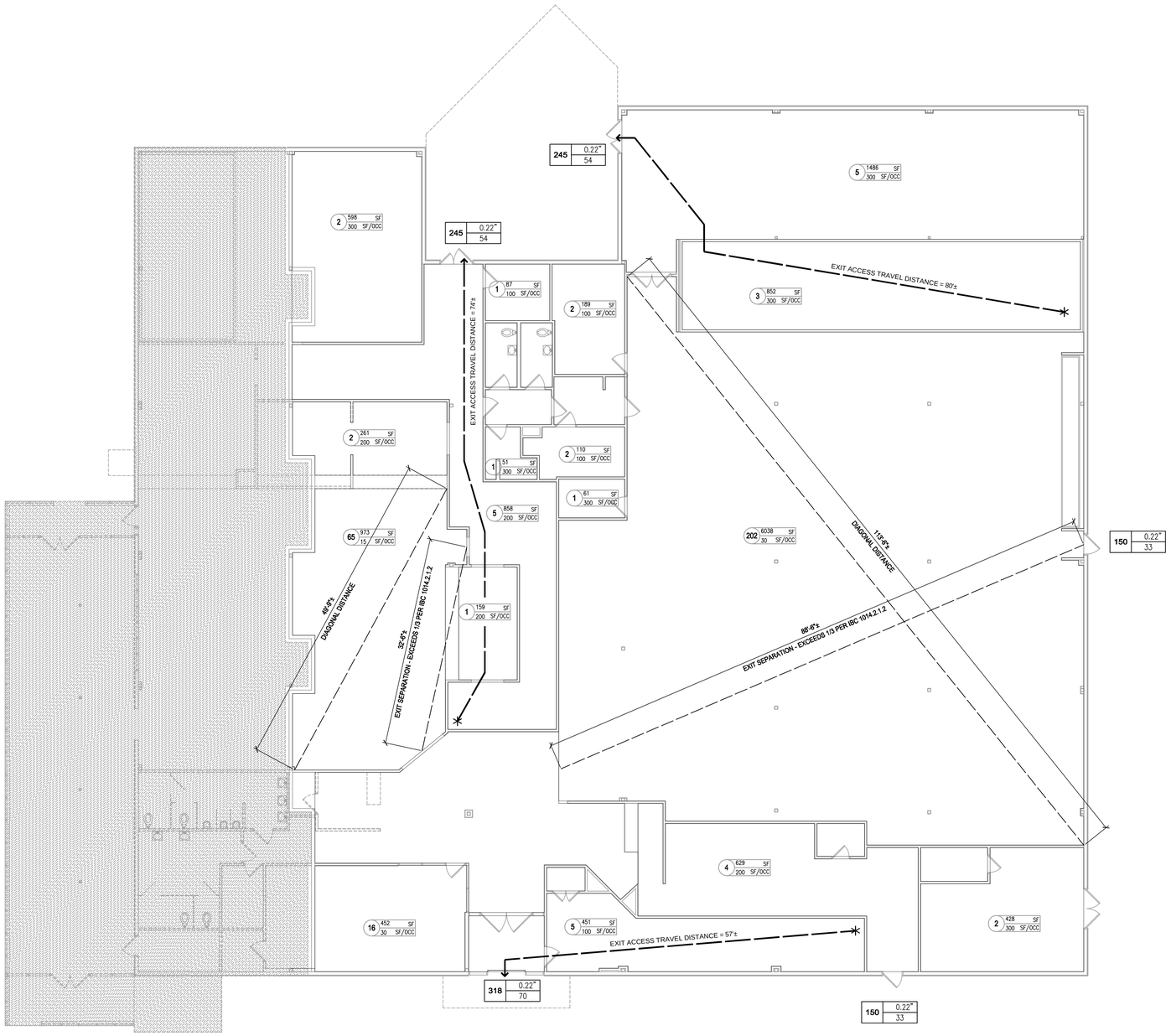
10 INDICATES THE NUMBER OF ACTUAL OCCUPANTS OR CALCULATED OCCUPANT LOAD

ANTICIPATED LONGEST EXIT ACCESS TRAVEL DISTANCE

MAXIMUM TRAVEL DISTANCE

IBC/IFC TABLE 1015.1 200' (MOST RESTRICTIVE, I4)

EXIT ANALYSIS LEGEND



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REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

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DATE: –

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

PHASE 1 EXIST ANALYSIS PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A0.30
DRAWING/PROJECT NO: 0530-06-000005		OF

PHASE 1 EXIT ANALYSIS PLAN 1/8" = 1'-0" 1

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CALCULATED OCCUPANT LOAD — 10 — 200 SF / 20 SF/OCC — FLOOR AREA (SQUARE FEET)

OCCUPANT LOAD FACTOR IBC/IFC TABLE 1004.1.2

MAXIMUM CALCULATED EXIT LOAD — 600 — 0.22" / 132"

OCCUPANT LOAD FACTOR (INCHES) IBC/IFC TABLE 1005.1/1024.6.1

CLEAR EXIT WIDTH (INCHES) PROVIDED DOORS CALCULATED W/ 33" CLEAR NET WIDTH (36" DOOR)

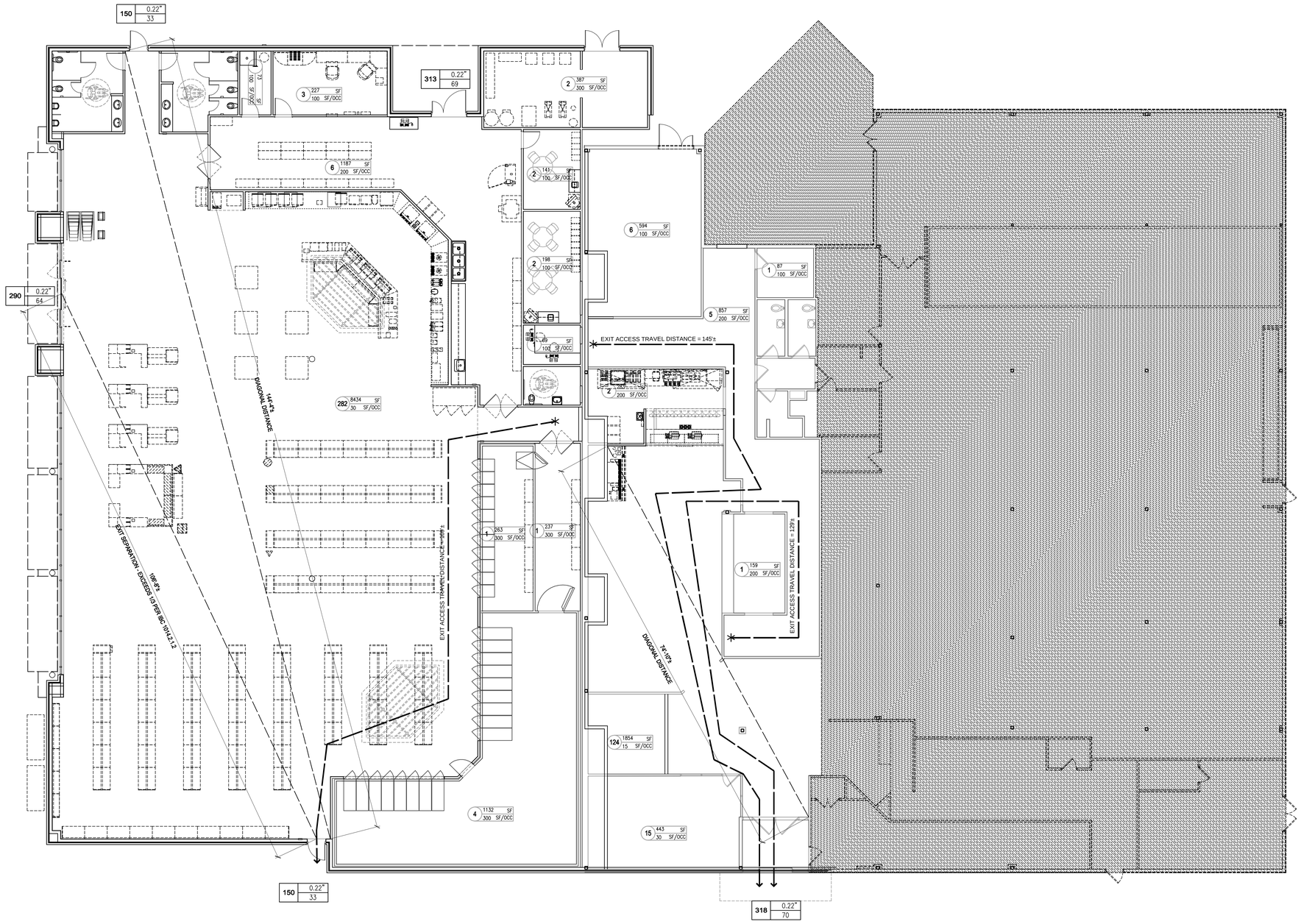
(10) INDICATES THE NUMBER OF ACTUAL OCCUPANTS OR CALCULATED OCCUPANT LOAD

ANTICIPATED LONGEST EXIT ACCESS TRAVEL DISTANCE

MAXIMUM TRAVEL DISTANCE

IBC/IFC TABLE 1015.1 — 200' (MOST RESTRICTIVE, I4)

EXIT ANALYSIS LEGEND



PHASE 2 EXIT ANALYSIS PLAN 1/8" = 1'-0" 1

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SOLICITATION DOCUMENTS

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FORT BRAGG NORTH CAROLINA

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PHASE 2 EXIST ANALYSIS PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A0.31

DRAWING/PROJECT NO: 0530-06-000005

OF

06/7/2012 5:05:03 PM

CALCULATED OCCUPANT LOAD — 10 — 200 SF / 20 SF/OCC — FLOOR AREA (SQUARE FEET)

OCCUPANT LOAD FACTOR IBC/IFC TABLE 1004.1.2

MAXIMUM CALCULATED EXIT LOAD — 600 — 0.22" / 132"

OCCUPANT LOAD FACTOR (INCHES) IBC/IFC TABLE 1005.1/1024.6.1

CLEAR EXIT WIDTH (INCHES) PROVIDED DOORS CALCULATED W/ 33" CLEAR NET WIDTH (36" DOOR)

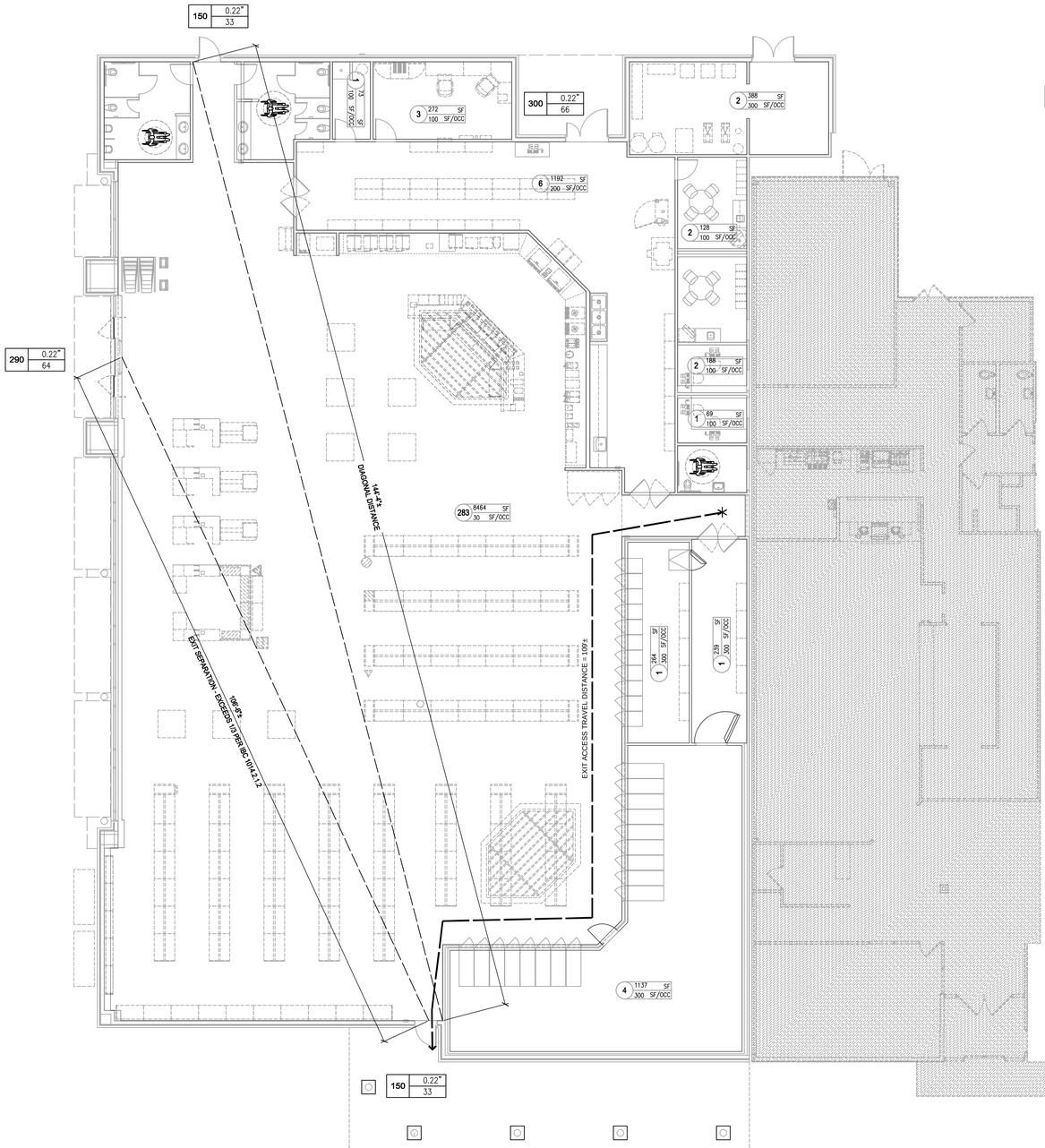
10 — INDICATES THE NUMBER OF ACTUAL OCCUPANTS OR CALCULATED OCCUPANT LOAD

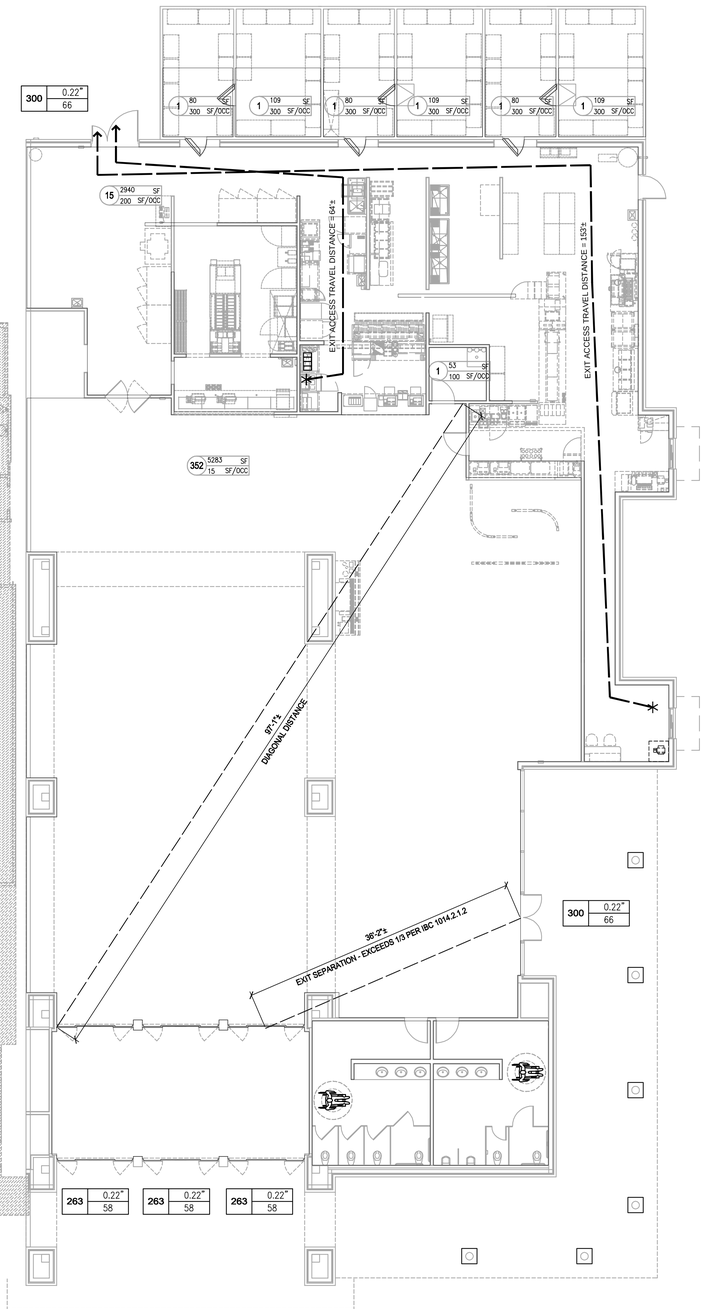
ANTICIPATED LONGEST EXIT ACCESS TRAVEL DISTANCE

MAXIMUM TRAVEL DISTANCE

IBC/IFC TABLE 1015.1 — 200' (MOST RESTRICTIVE, I4)

EXIT ANALYSIS LEGEND





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FORT BRAGG NORTH CAROLINA

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PHASE 3 EXIST ANALYSIS PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A0.32
DRAWING/PROJECT NO: 0530-06-000005		OF

PHASE 3 EXIT ANALYSIS PLAN 1/8" = 1'-0" 1

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CALCULATED OCCUPANT LOAD — 10 — 200 SF / 20 SF/OCC — FLOOR AREA (SQUARE FEET)

OCCUPANT LOAD FACTOR IBC/IFC TABLE 1004.1.2

MAXIMUM CALCULATED EXIT LOAD — 800 — 0.22" / 1.32" — OCCUPANT LOAD FACTOR (INCHES) IBC/IFC TABLE 1005.1/1024.6.1

CLEAR EXIT WIDTH (INCHES) PROVIDED DOORS CALCULATED W/ 33" CLEAR NET WIDTH (36" DOOR)

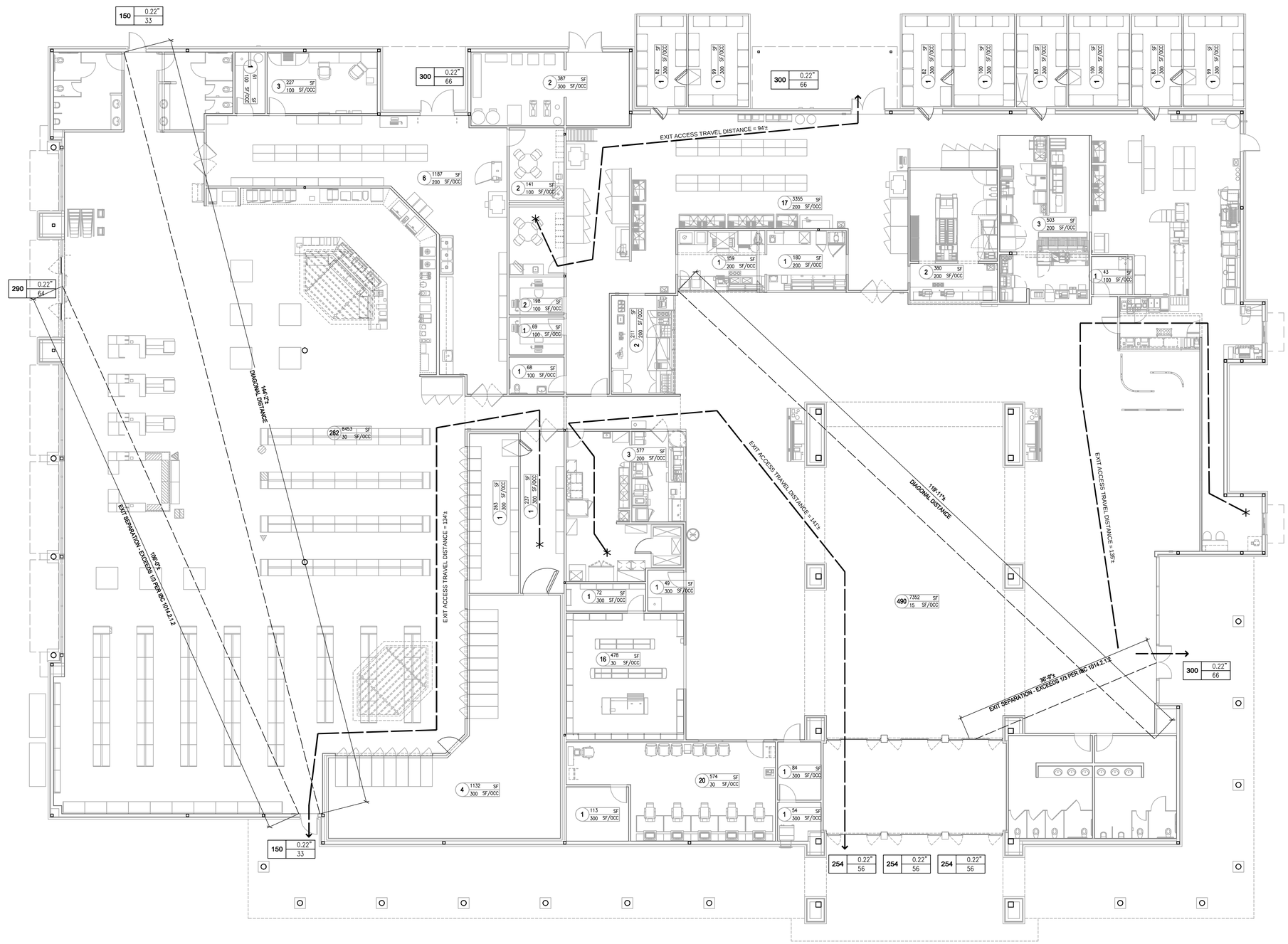
(10) INDICATES THE NUMBER OF ACTUAL OCCUPANTS OR CALCULATED OCCUPANT LOAD

ANTICIPATED LONGEST EXIT ACCESS TRAVEL DISTANCE

MAXIMUM TRAVEL DISTANCE

IBC/IFC TABLE 1015.1 — 200' (MOST RESTRICTIVE, I4)

EXIT ANALYSIS LEGEND



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REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

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FORT BRAGG NORTH CAROLINA

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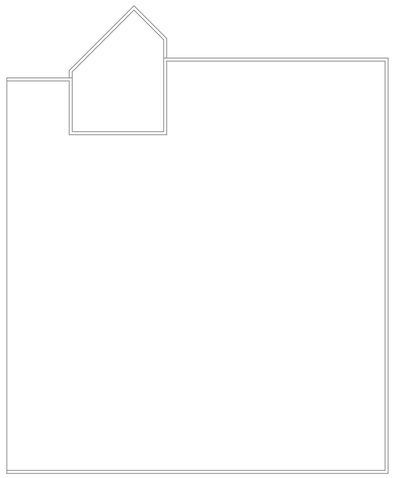
FINAL EXIST ANALYSIS PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A0.33

DRAWING/PROJECT NO: 0530-06-000005

OF_____

FINAL EXIT ANALYSIS PLAN 1/8" = 1'-0" 1

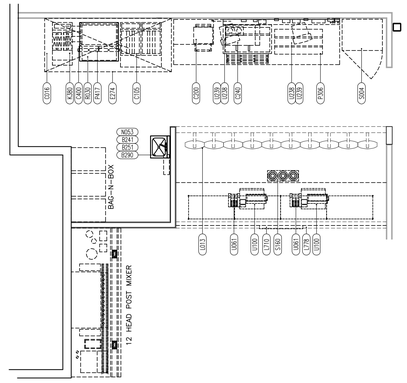


PHASE 1 ROOF PLAN 1" = 20'-0" 15

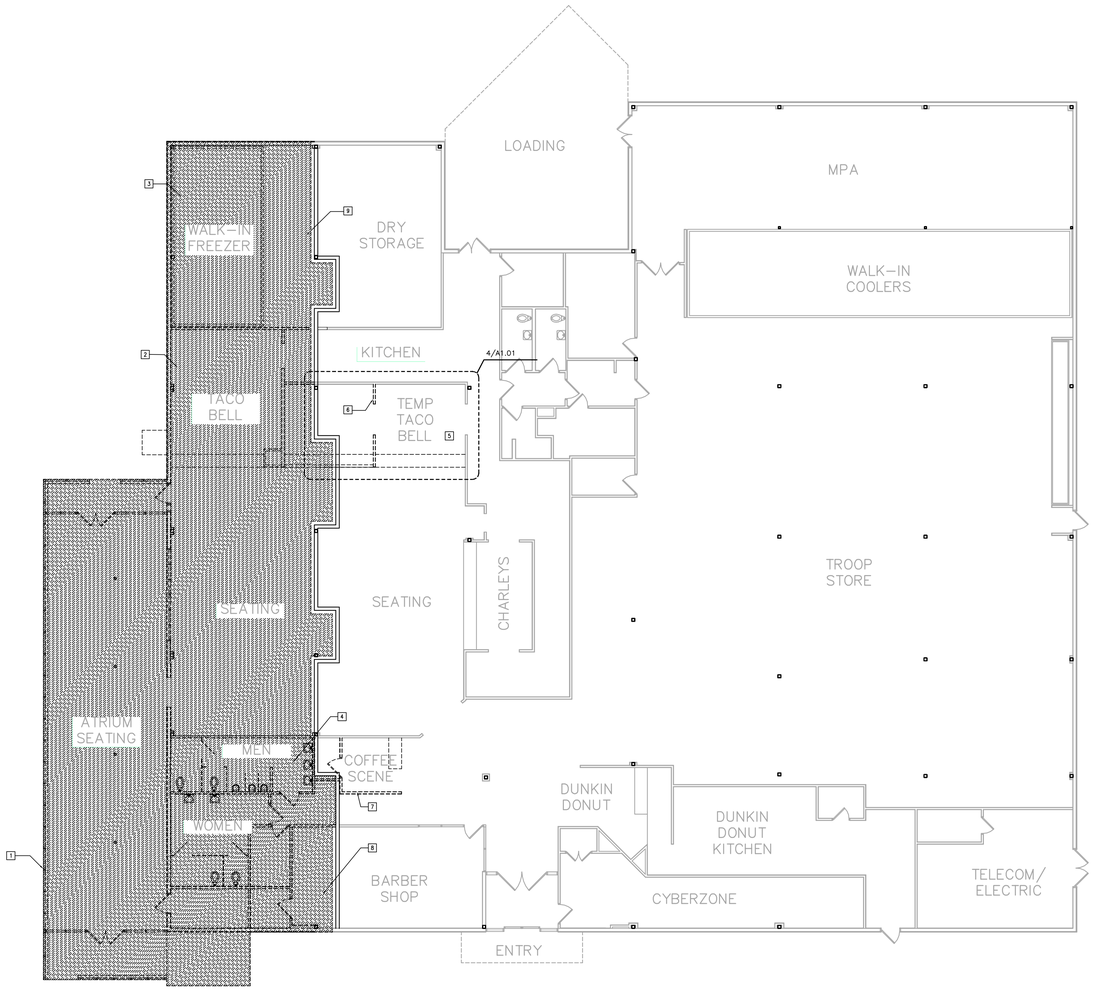
TACO BELL EQUIPMENT SCHEDULE

ITEM #	QTY	EQUIPMENT	MANUFACTURER	MODEL	SIZE Width	SIZE Depth	SIZE Height	ELECTRICAL Volts	ELECTRICAL Phase	ELECTRICAL Amps	PLUMBING Cold Water	PLUMBING Hot Water	PLUMBING Waste	MECHANICAL Gas	MECHANICAL BTU/H	FURNISHED	INSTALLED	REMARKS
B241	1	SOAP DISPENSER	KAY CHEMICAL	3675	–	–	–	–	–	–	–	–	–	–	–	A		WALL MOUNT
B251	1	SANITIZER DISPENSER	KAY CHEMICAL	3675	4.75"	4.5"	11"	–	–	–	–	–	–	–	–	A		WALL MOUNT
B290	1	PAPER TOWEL DISPENSER	BOBRICK	–	10.75"	4"	14"	–	–	–	–	–	–	–	–	A		WALL MOUNT
C016	1	GAS FRYER	FRYMASTER	FRPH155	15.63"	35.69"	45.3"	–	–	–	–	–	–	3/4"	80000	A		PROVIDE QUICK DISCONNECT FOR GAS
C105	1	SOLSTICE GAS REHEMMALIZER	PITCO	TB-SR1024-2	33.25"	35.25"	45.75"	–	–	–	–	1/2"	1.25"	3/4"	55000/TANK	A		PROVIDE QUICK DISCONNECT FOR GAS
C200	2	SPECIALTY SMOOTH TWO SIDE GRILL	STAR MANUFACTURING	GR14SPT	16"	23.125"	14.375"	120	1	19.2	–	–	–	–	–	A		–
C240	2	CHEESE MELTER	A.J. ANTUNES	TBS-2X	26.3125"	16.375"	9.375"	208	1	15.8	–	–	–	–	–	A		–
C400	1	MULTI DISPLAY TIMER	FAST TIMER	1200	13.2"	2.6"	4.6"	120	1	–	–	–	–	–	–	A		–
E274	1	EXHAUST HOOD	REF. MECHANICAL	–	–	–	–	–	–	–	–	–	–	–	–	C	C	–
K380	1	FRYER WORKSTATION	METRO	FWS3030Y	30"	30"	74.88"	–	–	–	–	–	–	–	–	A		–
L013	1	10 PANEL MENU BOARD	HOWARD	REVOLUTION	150"	12.8"	25.41"	120	1	4.8	–	–	–	–	–	A		–
L710	1	COUNTER FACE LIGHT BOX	SCHULT INDUSTRIES	5031 – LED SLIMLINE CL21	19.5"	5/8"	19.5"	120	1							A	C	SURFACE MOUNT
L778	1	CONCEPT SIGNAGE – 10" IND LETTERS W/ WHITE OUTLINE	ICON COMPANY	TB10 LINE	129.625"	3.375"	10"	–	1	.63	–	–	–	–	–	A	C	LED LIGHT SYSTEM
N053	1	HAND SINK–WALL MOUNTED	AERO	HS	17"	15"	17.25"	–	–	–	1/2"	1/2"	–	–	–	A	C	–
P306	1	MINI PREP LINE	DUKE	–	–	–	–	–	–	–	–	–	–	–	–	A	C	–
P417	1	MULTI DISPLAY TIMER	FAST TIMER	24-TB	16.4"	2.42"	6.29"	120	1							A		–
R030	1	UNDERCOUNTER FREEZER	DELFIELD	401-CA	27.25"	27.75"	33.25"	–	–	–	–	–	–	–	–	A		–
S004	1	LH HOLDING CABINET	BEVLES	CSB2-CH8	32.5"	22.5"	82"	120	1	16	–	–	–	–	–	A		–
S160	1	3-CUP AAFES MOBILE DISPENSER	WASSERSTROM	360125	8.125"	24.125"	26.125"	–	–	–	–	–	–	–	–	A		–
U061	2	RECEIPT PRINTER	VERIFONE	OMNI 3750	7.3"	11.7"	7.3"	–	–	•						A		24 VDC AND 1.8 AMPS
U100	2	P.O.S. ORDER ENTRY TERMINAL	PARTECH	POS4KP	–	–	–	120	1	2.0						A		–
U238	4	MONITOR	MICROS	(10" SIGA) CUT SHEET NOT AVAILABLE	–	–	–	120	1	3.0						A		–
U239	2	SINGLE MONITOR-KDS-BRACKET	HANGING BRACKETS	FP0100	–	–	–	–	–	–						A	C	BRACKET TO BE INSTALLED BY CONTRACTOR

TEMP TACO BELL SCHEDULE NTS 8



TEMP TACO BELL PLAN 1/4" = 1'-0" 4



TEMP RESTROOM FACILITY

TEMP WALK-IN COOLER/FREEZER

TO BE LOCATED NEAR FRONT ENTRY FOR ACCESS BY CUSTOMERS

SUMMARY OF PHASE 1

GOALS

- RELOCATE TACO BELL TO A TEMPORARY LOCATION AND KEEP CHARLEY'S, BARBER SHOP AND TROOP STORE OPERATIONAL WHILE REMOVING OTHERS FOR SHOPPETTE.

MAJOR CONSTRUCTION ITEMS

(THESE ARE NOT ALL TASKS REQUIRED TO ACCOMPLISH THE GOALS OF THIS PHASE. CONTRACTOR TO FIND BEST MEANS NECESSARY TO MEET GOAL AND COMPLETE WORK NECESSARY TO MOVE INTO THE NEXT PHASE WHILE KEEPING THE NECESSARY FACILITIES OPERATIONAL.)

- DEMOLISH SUN ROOM AND ASSOCIATED SLAB
- RELOCATE TACO BELL INTO THE SPACE USED FOR ANTHONY'S PIZZA AND ROBIN HOOD
- REDUCE THE BARBER SHOP TO ALLOW FOR FUTURE CONSTRUCTION
- REMOVE THE EXISTING WALK-IN COOLER/FREEZER AND INSTALL REACH-INS FOR TEMPORARY USE
- REMOVE THE EXISTING CUSTOMER RESTROOMS, BUT MAKE SURE AAFES HAS BROUGHT IN TEMPORARY RESTROOM TRAILERS TO ACCOMMODATE CUSTOMERS
- PROVIDE TEMPORARY WALL AS NECESSARY TO WATERPROOF TO KEEP THE FOOD SERVICES UP AND RUNNING.
- COORDINATE WITH AFFES LOCATION OF AN EXTERIOR TEMP. WALK-IN COOLER/FREEZER.
- COORDINATE WITH AFFES LOCATION FOR EXTERIOR TEMP. RESTROOMS
- REDUCE DRY STORAGE AREA
- CONTRACTOR TO COORDINATE WITH AFFES GM AND/OR PM FOR FINAL LOCATION OF EQUIPMENT

DEMOLITION NOTES

1. REMOVE SUNROOM INCLUDING FOUNDATION
2. REMOVE EXISTING TACO BELL AND RELOCATE NECESSARY EQUIPMENT TO TEMPORARY TACO BELL.
3. DEMO WALK-IN FREEZER AFTER TEMP WALK-IN HAS BEEN SETUP AND MADE FUNCTIONAL.
4. REMOVE RESTROOMS ONCE TEMP FACILITIES HAVE BEEN ESTABLISHED
5. REMOVE ALL ROBIN HOOD EQUIPMENT AND COORDINATE W/ AAFES FINAL DESTINATION
6. REMOVE WALLS FOR TEMP TACO BELL AS NECESSARY AND REPLACE TILE TO PROVIDE CLEAN WALL SURFACE.
7. REMOVE WALLS IN COFFEE SCENE AREA TO ALLOW FOR THE RELOCATION OF DUNKIN DONUT DURING PHASE 2
8. CLOSE OFF THE BARBER SHOP AND STORAGE TO ACCOMMODATE PHASE 1 CONSTRUCTION.
9. CLOSE OFF DRY STORAGE AREA AS NECESSARY TO COMPLETE PHASE 1 CONSTRUCTION

PHASE 1 FLOOR PLAN 1" = 10'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

PHASE 1 FLOOR PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.01

DRAWING/PROJECT NO: 0530-06-000005

OF

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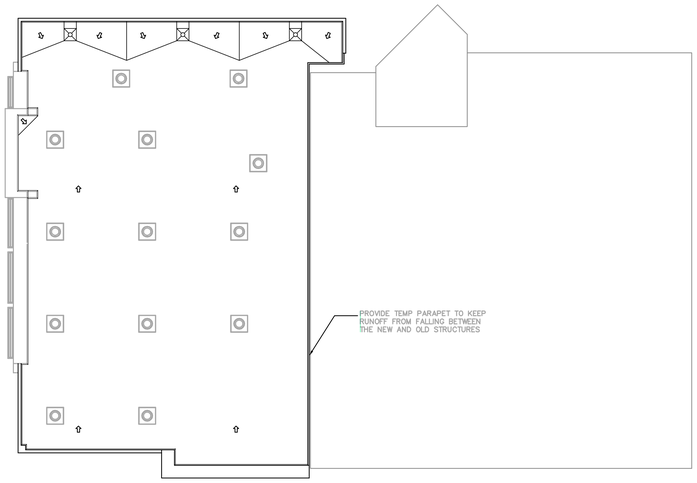
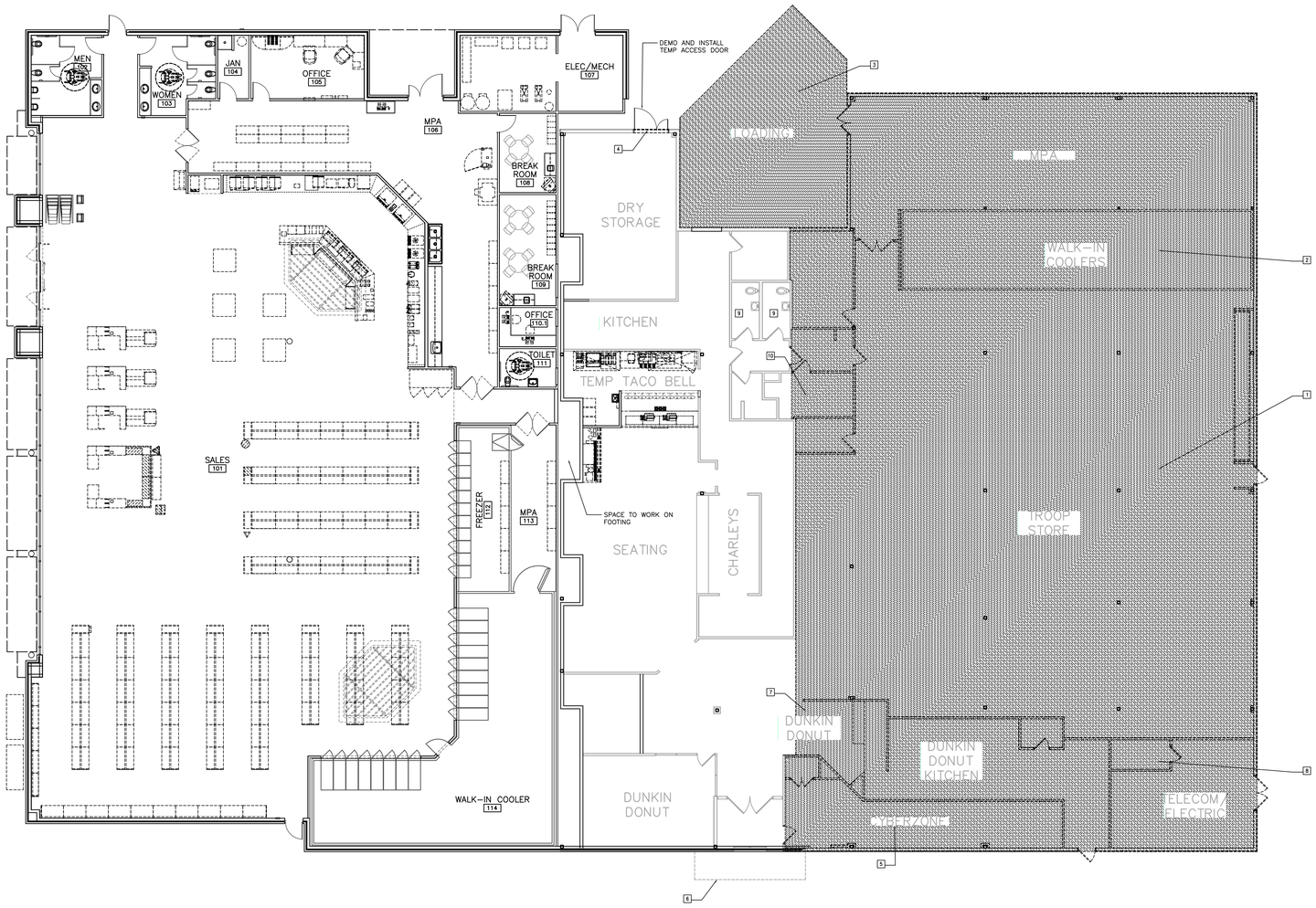


PHASE 2 ROOF PLAN 1" = 20'-0" 15



TEMP RESTROOM FACILITY

TEMP WALK-IN COOLER/FREEZER

MAINTAIN NEAR FRONT ENTRY FOR ACCESS BY CUSTOMERS

PHASE 2 FLOOR PLAN 1" = 10'-0" 1

SUMMARY OF PHASE 2

GOALS

- KEEP TACO BELL, CHARLEY'S, AND BARBER SHOP OPERATIONAL WHILE OPENING THE NEW SHOPPETTE SPACE

MAJOR CONSTRUCTION ITEMS

(THESE ARE NOT ALL TASKS REQUIRED TO ACCOMPLISH THE GOALS OF THIS PHASE. CONTRACTOR TO FIND BEST MEANS NECESSARY TO MEET GOAL AND COMPLETE WORK NECESSARY TO MOVE INTO THE NEXT PHASE WHILE KEEPING THE NECESSARY FACILITIES OPERATIONAL.)

- DEMOLISH SUN ROOM AND ASSOCIATED SLAB
- RELOCATE TACO BELL INTO THE SPACE USED FOR ANTHONY'S PIZZA AND ROBIN HOOD.
- REDUCE THE BARBER SHOP TO ALLOW FOR FUTURE CONSTRUCTION
- REMOVE THE EXISTING WALK-IN COOLER/FREEZER
- REMOVE THE EXISTING CUSTOMER RESTROOMS, BUT MAKE SURE AAFES HAS BROUGHT IN TEMPORARY RESTROOM TRAILERS TO ACCOMMODATE CUSTOMERS
- PROVIDE TEMPORARY FLOOR TO CEILING WALLS AS NECESSARY TO WATERPROOF TO KEEP THE FOOD SERVICES UP AND RUNNING. THERE MUST BE A POSITIVE PRESSURE ON OCCUPIED SPACE SO THAT DUST IS NOT DRAWN INTO SPACE.

DEMOLITION NOTES

1. DEMO EXISTING TROOP STORE ONCE NEW EXPRESS IS OPENED. ANY FIXTURES AND/OR EQUIPMENT PRESENT MUST BE COORDINATED WITH AAFES GM FOR FINAL DESTINATION.
2. REMOVE EXISTING WALK-IN COOLER/FREEZER
3. REMOVE EXISTING DELIVER CANOPY AND CLOSE MAIN KITCHEN DELIVERY DOOR.
4. PROVIDE A NEW KITCHEN DELIVER DOOR
5. REMOVE CYBERZONE AND ALL ASSOCIATED COMM ITEMS. PROVIDE ALL EQUIPMENT REMAINING TO AAFES GM.
6. MAINTAIN EXISTING FRONT ENTRY CANOPY
7. REMOVE AND PROVIDE ASSISTANCE IN THE RELOCATION OF DUNKIN DONUT EQUIPMENT TO TEMP LOCATION.
8. BEFORE DEMOLISHING THE COMMUNICATION ROOM GC TO VERIFY THAT NEW COMMUNICATION HAS BEEN ESTABLISHED FOR NEW CONSTRUCTION.
9. MAINTAIN RESTROOMS FOR EMPLOYEES.
10. DEMO OFFICES AND COORDINATE WITH AAFES GM FINAL DESTINATION OF ANY AAFES EQUIPMENT REMAINING IN PLACE.

EXCHANGE™

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06-08-12

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

PHASE 2 FLOOR PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.02

DRAWING/PROJECT NO: 0530-06-000005

OF __

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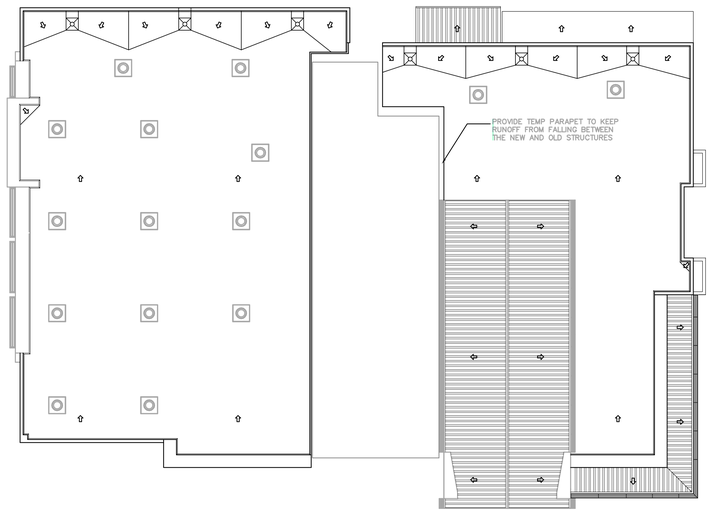
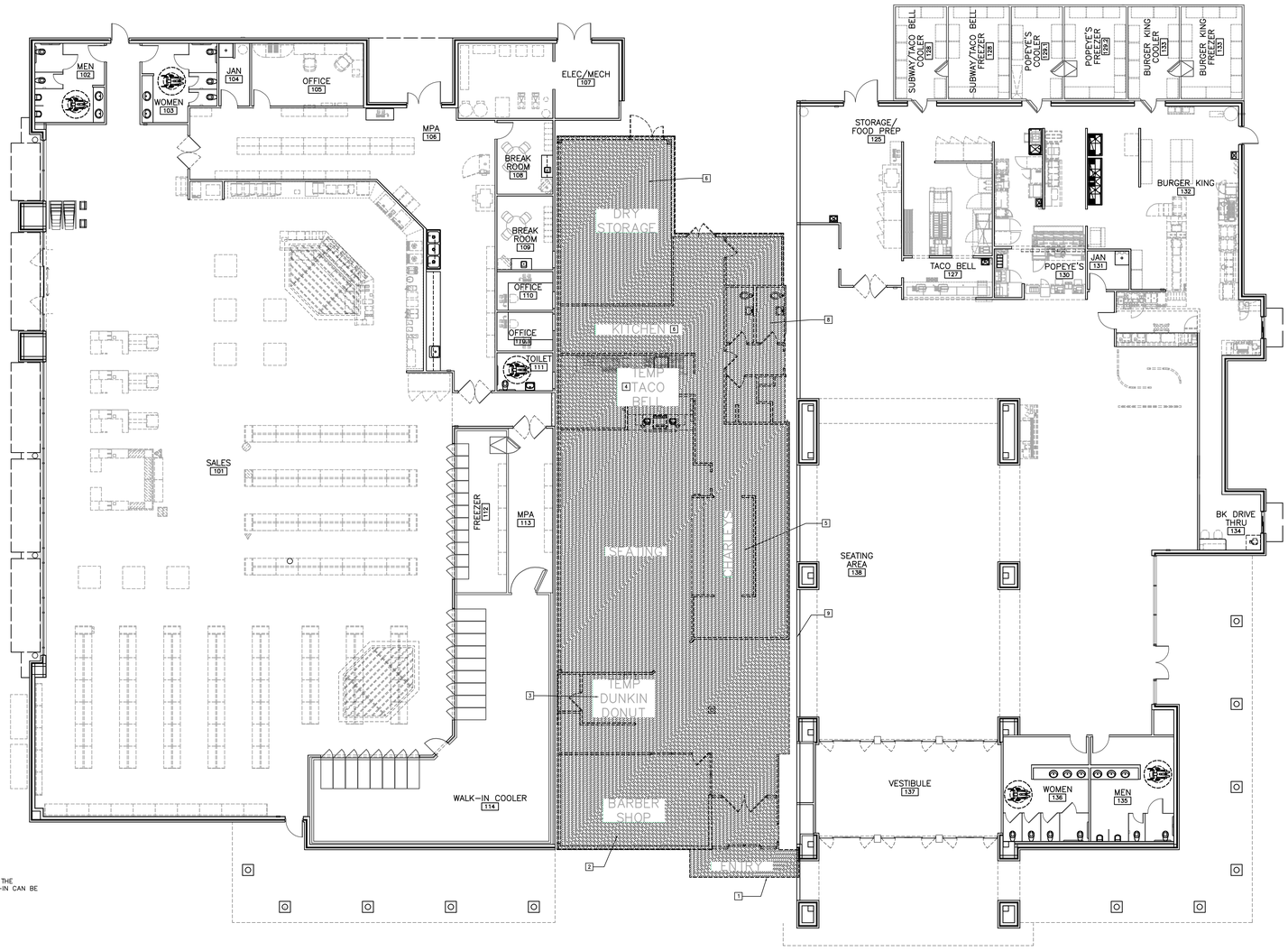


PHASE 2 ROOF PLAN 1" = 20'-0" 15



MAINTAIN NEAR FRONT ENTRY FOR ACCESS BY CUSTOMERS AT THE COMPLETION OF THIS PHASE THE TEMP RESTROOMS AND WALK-IN CAN BE REMOVED. TEMP WALK-IN WILL BE USED FOR NEW INSTALL.

PHASE 3 FLOOR PLAN 1/10" = 1'-0" 1

SUMMARY OF PHASE 3

GOALS

- HAVE AN OPERATIONAL SHOPPETTE AND A PARTIAL FOOD SERVICE. INCLUDED OFFERINGS ARE BURGER KING, POPEYES AND TACO BELL. ALSO HAVE RESTROOMS FOR MINIMALL COMPLETED AND OPERATIONAL.

MAJOR CONSTRUCTION ITEMS

(THESE ARE NOT ALL TASKS REQUIRED TO ACCOMPLISH THE GOALS OF THIS PHASE. CONTRACTOR TO FIND BEST MEANS NECESSARY TO MEET GOAL AND COMPLETE WORK NECESSARY TO MOVE INTO THE NEXT PHASE WHILE KEEPING THE NECESSARY FACILITIES OPERATIONAL.)

- DEMOLISH SUN ROOM AND ASSOCIATED SLAB
- RELOCATE TACO BELL INTO THE SPACE USED FOR ANTHONY'S PIZZA AND ROBIN HOOD.
- REDUCE THE BARBER SHOP TO ALLOW FOR FUTURE CONSTRUCTION
- REMOVE THE EXISTING WALK-IN COOLER/FREEZER
- REMOVE THE EXISTING CUSTOMER RESTROOMS, BUT MAKE SURE AAFES HAS BROUGHT IN TEMPORARY RESTROOM TRAILERS TO ACCOMMODATE CUSTOMERS
- PROVIDE TEMPORARY WALL AS NECESSARY TO WATERPROOF TO KEEP THE FOOD SERVICES UP AND RUNNING.

DEMOLITION NOTES

1. REMOVE ENTRY CANOPY
2. DEMOLISH BARBER SHOP AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT LEFT IN PLACE.
3. DEMOLISH TEMP DUNKIN DONUT AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT LEFT IN PLACE.
4. DEMOLISH TEMP TACO BELL AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT LEFT IN PLACE.
5. DEMOLISH TEMP CHARLEY'S AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT LEFT IN PLACE.
6. DEMOLISH DRY STORAGE AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT SUCH AS METAL SHELVING LEFT IN PLACE.
7. DEMOLISH KITCHEN AND COORDINATE WITH AAFES GM FINAL LOCATION OF ANY EQUIPMENT SUCH AS SINKS OR RACKS LEFT IN PLACE.
8. DEMOLISH EMPLOYEE RESTROOMS.
9. PROVIDE A FLOOR TO DECK TEMP WALL TO SEPARATE NEW BUILDING FROM DEMOLITION AREA. WALL MUST HAVE POSITIVE PRESSURE ON OCCUPIED SIDE TO KEEP DUST FROM ENTERING.

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DRAWING TITLE:
PHASE 3 FLOOR PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.03

DRAWING/PROJECT NO: 0530-06-000005 OF

KEY NOTES

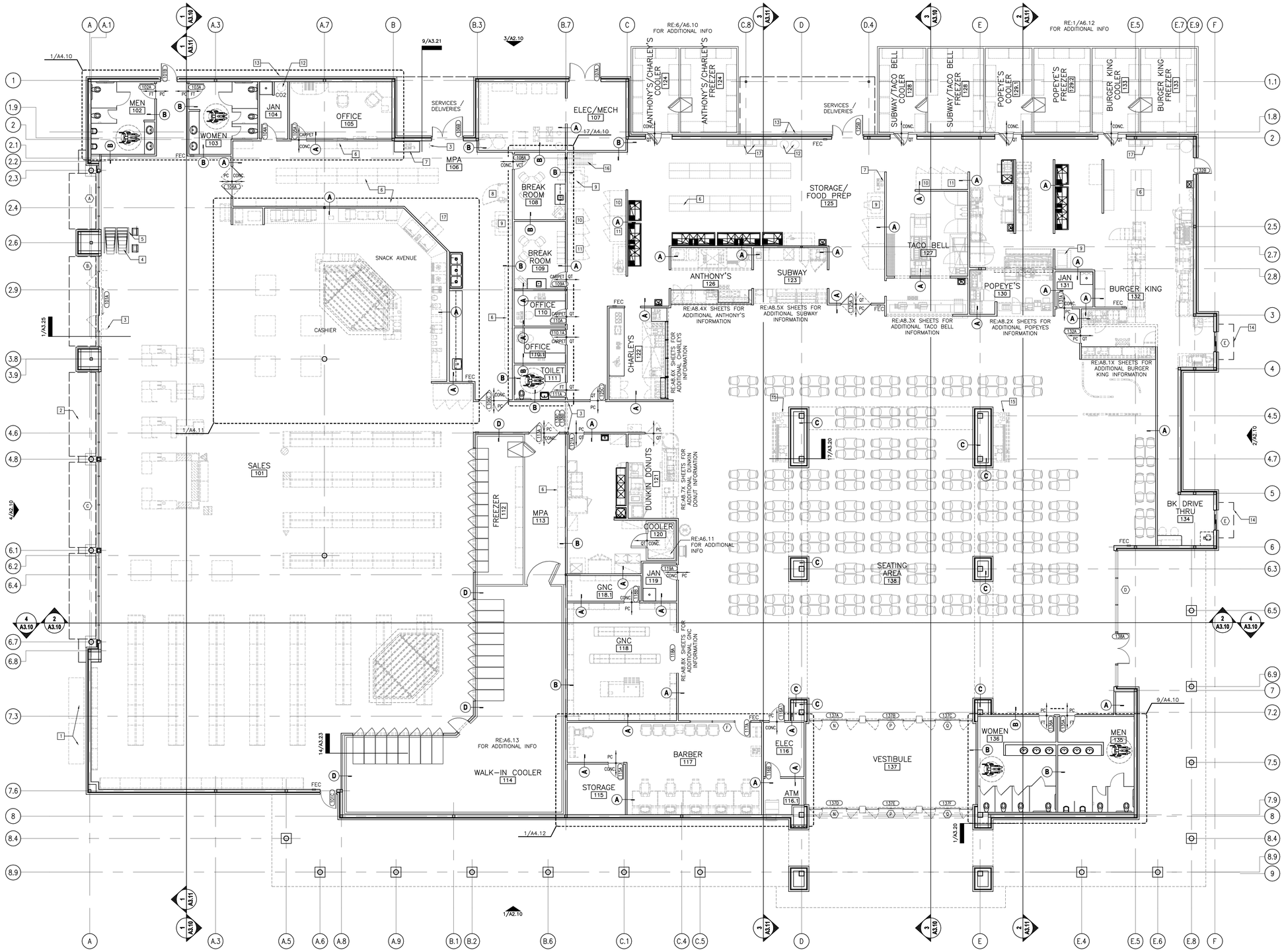
1. ICE STORAGE
2. SUNSHADE (RE:10/A5.10)
3. SECURITY SYSTEM (AF/AI CONTRACTOR TO COORDINATE SEE NOTE 4
4. SHOPPING CARTS (AF)
5. SHOPPING CART BUMPERS
6. SHELVING (AF/CI)
7. RECEIVING CHECK-IN DESK (AF/AI)
8. BALER (AF/CI)
9. ICE MAKER (AF/CI)
10. REACH-IN COOLERS (AF/CI)
11. REACH-IN FREEZER (AF/CI)
12. CO2 TANKS (AF/AI)
13. CO2 REMOTE FILL
14. PRE-FABRICATED BK CANOPY (RE:A5/5.10)
15. SELF SERVE BEVERAGE STATION (AF/AI)
16. STEEL FABRICATED SHIPS LADDER (RE:1/A5.10)
17. BAG-N-BOX (AF/CI)

GENERAL NOTES

1. FOR FINISHES SCHEDULE RE:A7.30
2. ALL INTERIOR STUD WALLS TO BE 3-5/8" 22GA. @ 16" O.C. UNLESS NOTED OTHERWISE.
3. ALL ITEMS NOT NOTED AF, AI, OR CI ARE ASSUMED CF/CI ITEMS. (CONTRACTOR FURNISHED/CONTRACTOR INSTALLED)
4. CONTRACTOR TO COORDINATE AND PROVIDE ALL NECESSARY FLOOR BLOCK OUTS SO THAT AAFES INSTALLER CAN COMPLETE WORK.

LEGEND

X	WALL TYPES RE: A7.40
X	WINDOW TYPES RE: A7.20
XX	DOOR TYPE RE: A7.10
XX / XX	FLOOR FINISH TRANSITION RE:A7.10



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

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FLOOR PLAN

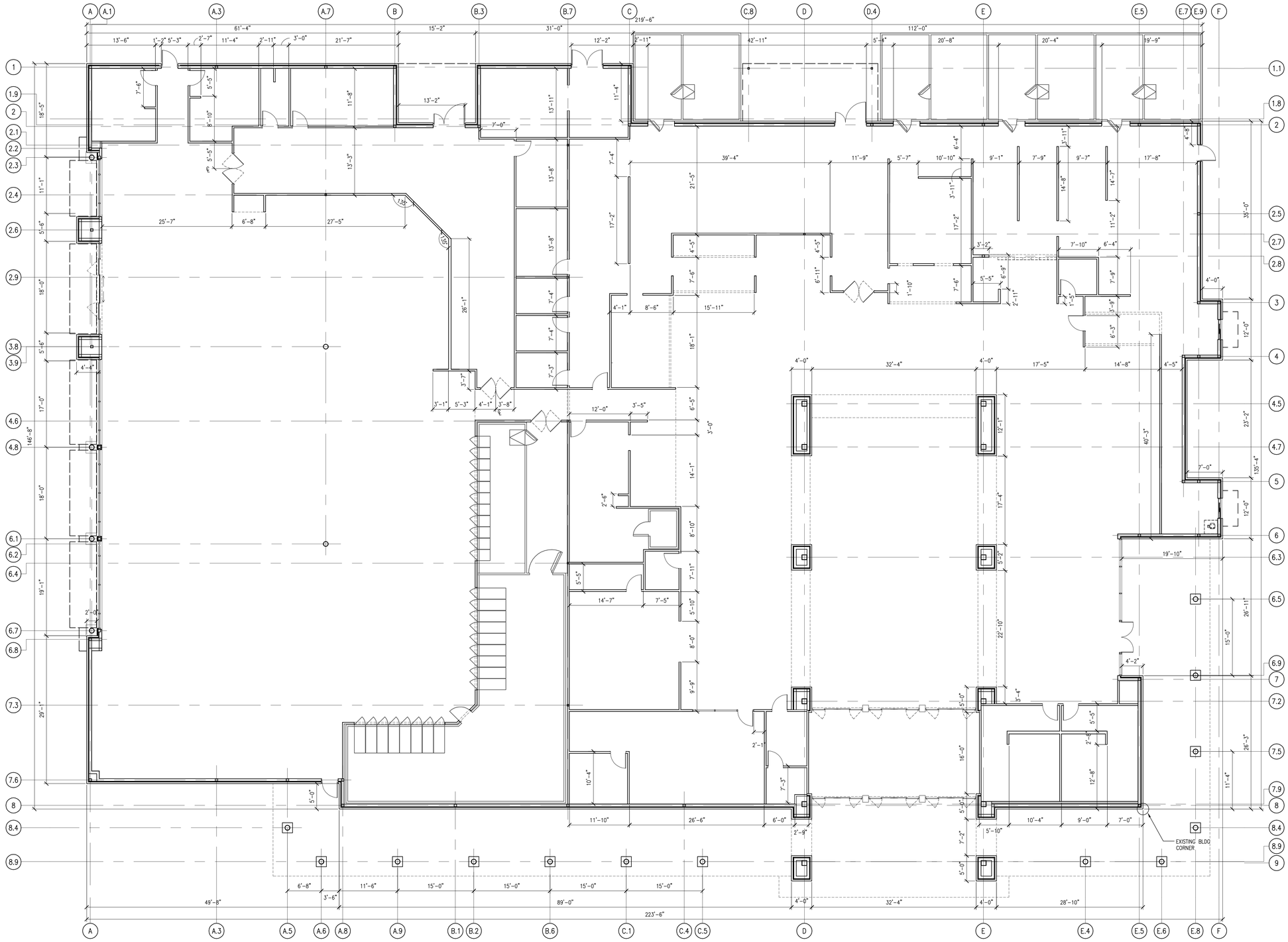
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.10

DRAWING/PROJECT NO: 0530-06-000005

OF_____

GENERAL NOTES:

1. DIMENSIONS ARE TO FACE OF GYP. BOARD, EDGE OF SLAB, EXTERIOR FACE OF MASONRY OR COLUMN GRID, RE: LARGE SCALED DETAILS FOR ADDITIONAL DIMENSIONS.
2. REFER TO FOUNDATION PLANS FOR ADDITIONAL DIMENSIONS.
3. COORDINATE COOLER/FREEZER LOCATION WITH AAFES PROJECT MANAGER PRIOR TO LOCATING FINISH WALLS AROUND EQUIPMENT.



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

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DRAWING TITLE:

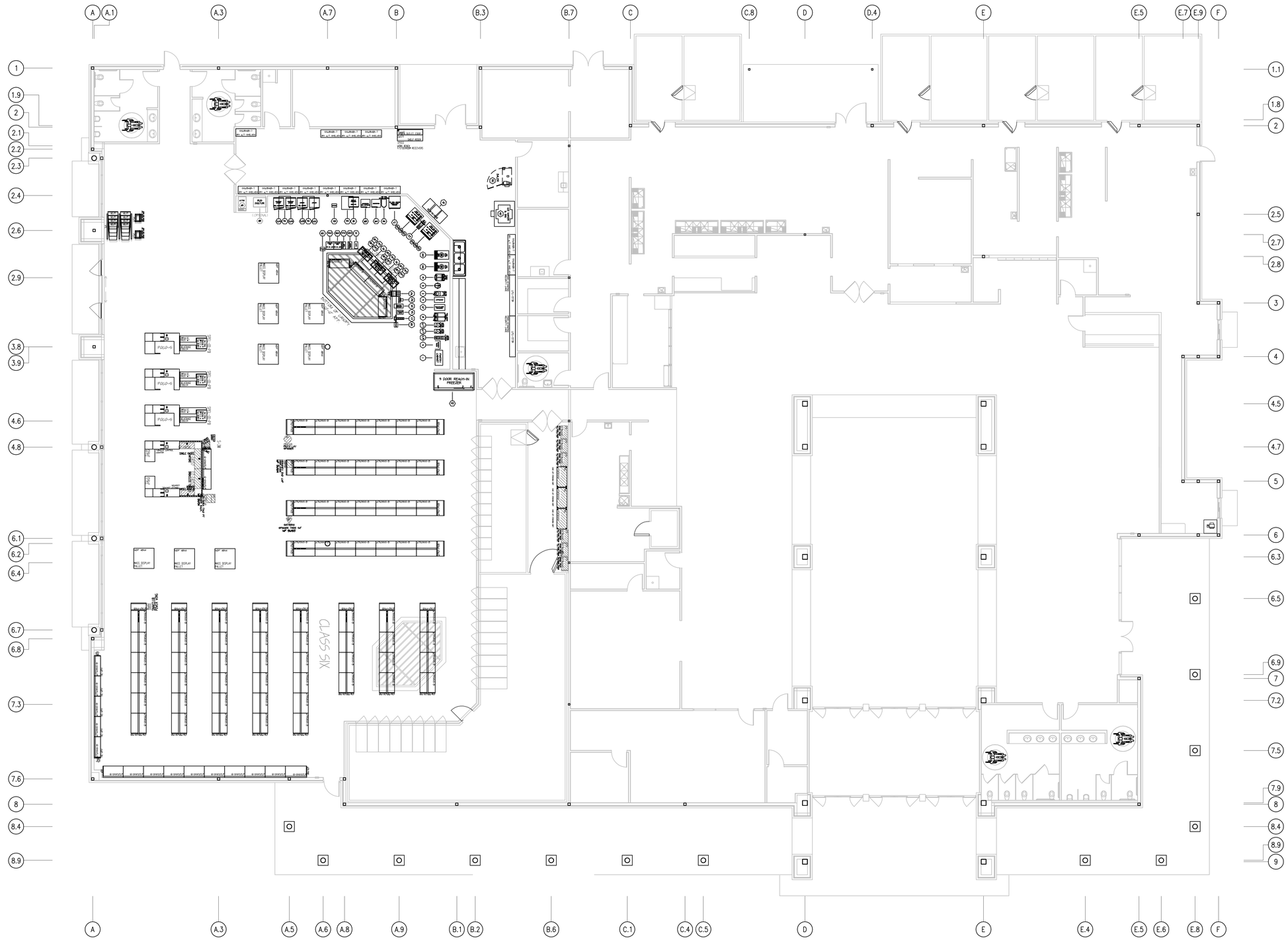
DIMENSION PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.11
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:06:35 PM

GENERAL NOTES:

1. AAFES PROVIDED FIXTURE PLAN, GC TO INSTALL.
2. GC TO VERIFY EQUIPMENT WITH AAFES PROJECT MANAGER BEFORE PROCEEDING.



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PROJECT:
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DRAWING TITLE:
FIXTURE PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A1.12
DRAWING/PROJECT NO: 0530-06-000005		OF

AAFES FIXTURE PLAN 1/8" = 1'-0" 1

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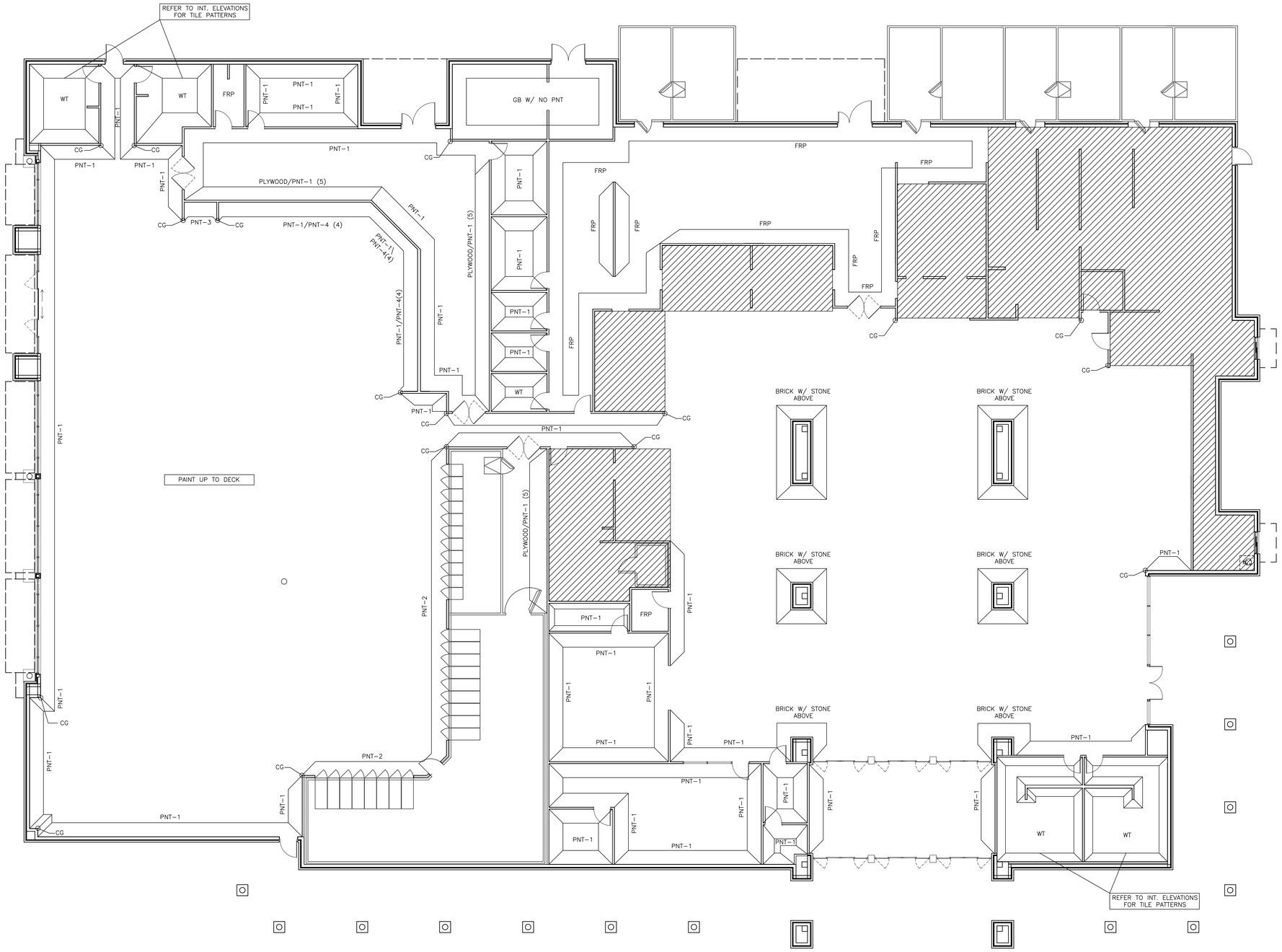
GENERAL NOTES

1. (#) REFERS TO A GENERAL NOTE.
2. FINISH PLAN ILLUSTRATES THE EXTENTS OF WALL FINISHES. FOR ADDITIONAL INFORMATION ON MATERIALS FOR CEILINGS AND WALL RE:A7.30.
3. AT SNACK AVENUE PROVIDE A SMOOTH FINISH.
4. LUXURIOUS RED FROM FLOOR TO 1/2 THE DISTANCE FROM THE TOP OF THE COUNTER TO THE BOTTOM OF THE JOISTS. CONTRACTOR TO VERIFY, BUT THIS IS APPROXIMATELY 78" ABOVE THE FINISH FLOOR ELEVATION.
5. PLYWOOD APPLIED TO INTERIOR WALLS SHOULD HAVE A SMOOTH FINISH.

PAINT COLOR LEGEND:		
ALL PAINT COLORS SHERWIN WILLIAMS PNT1 (PAINT 1)_– LUXURIOUS RED (#SW3614) PNT2 (PAINT 2)– INDIGO (#SW6531) PNT3 (PAINT 3) – IVOIRE (#SW6127) PNT4 (PAINT 4) – TANGER (#SW6601) NOTE! WHERE ONE COLOR PAINT IS CALLED OUT IN ROOM OR AREA, ALL WALLS TO BE PAINTED THAT COLOR CALLED OUT. WHERE PAINT COLOR IS CALLED OUT AND SHOWN ON PARTICULAR WALL, IT SHALL BE PAINTED FROM FLOOR TO CEILING UNLESS OTHERWISE NOTED.	CG	RE:A8.XX SERIES SHEETS FOR ADDITIONAL QSR INFO ALUMINUM CORNER GUARD



FINISH PLAN 1/8" = 1'–0" 1

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FINISH PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A1.13
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:07:01 PM

KEY NOTES

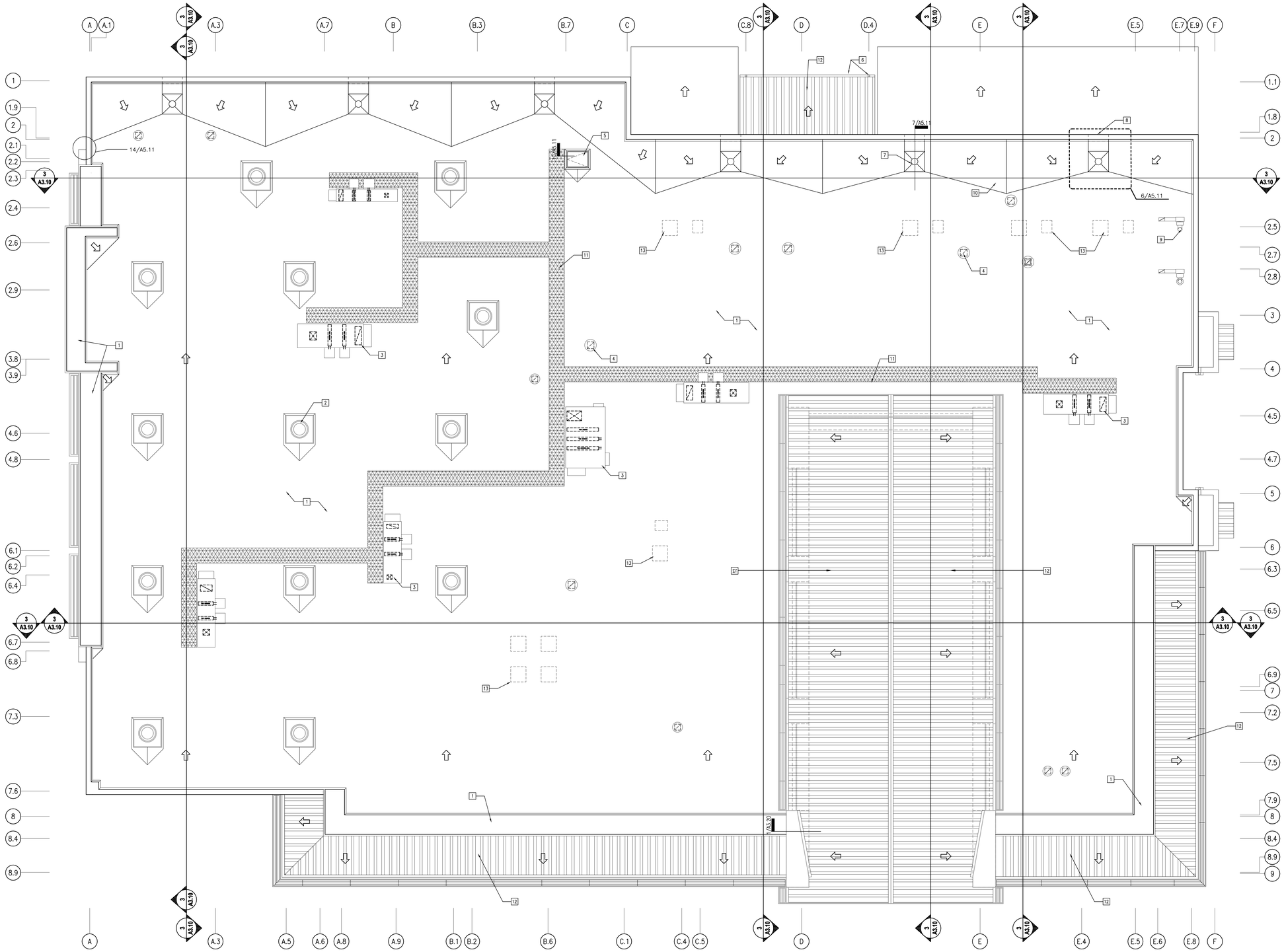
1. TPO SINGLE PLY ROOFING MEMBRANE MECHANICALLY FASTENED
2. SOLATUBE SKYLIGHT (RE:4/A5.11)
3. ROOF TOP UNITS (RE:MECHANICAL)
4. ROOF PENETRATIONS (RE:MEP)
5. ROOF ACCESS HATCH (RE:10/A5.11)
6. EXTERIOR CANOPY W/ GUTTER AND DOWNSPOUT
7. ROOF DRAIN
8. THRU WALL OVERFLOW SCUPPER
9. KITCHEN EXHAUST FAN (RE:MECHANICAL)
10. ROOF INSULATION CRICKET
11. WALKWAY BOARD PATH
12. PREFINISHED STANDING SEAM METAL ROOFING
13. WALK-IN COOLER/FREEZER CONDENSING UNITS, RE:MEP FOR ADDITIONAL INFORMATION

GENERAL NOTES

1. RE:A2.10 FOR ADDITIONAL EXTERIOR FINISHES
2. COORDINATE ALL WALK PATHS WITH CRICKETS TO AVOID OVERLAP.
3. FOR TYPICAL ROOF PENETRATIONS RE:MECHANICAL, BUT AT A MINIMUM PROVIDE WATERPROOFING PER 9/A5.11

LEGEND

⇦ DIRECTION OF ROOF SLOPE



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

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ROOF PLAN

DATE:	SCALE:	SHEET:
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DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:07:12 PM

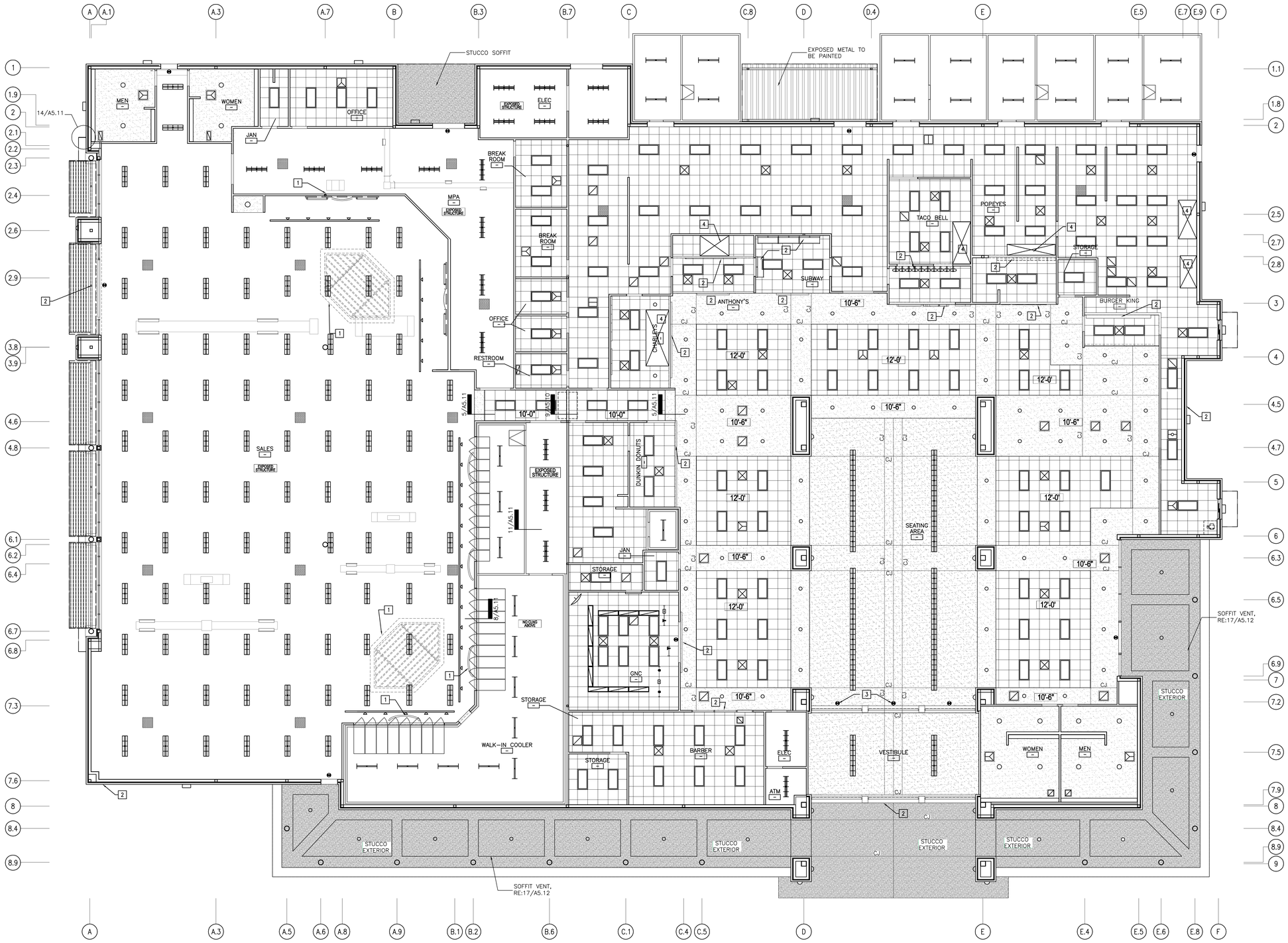
KEY NOTES:

1. GRAPHIC NO POWER (AF/AI)
2. GRAPHIC W/ POWER PLAN FOR ADDITIONAL INFORMATION. (AF/AI)
3. EXIT SIGN ABOVE DOOR HUNG FROM STRUCTURE DO NOT EXPOSE CONDUIT.
4. KITCHEN EXHAUST HOODS

GENERAL NOTES:

1. REFLECTED CEILING PLAN INDICATES LAYOUT AND ARRANGEMENT OF BASIC CEILING MATERIALS
2. RE: ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON CEILING DEVICES & COMPONENTS WHICH MAY NOT BE SHOWN ON REFLECTED CEILING PLAN.
3. REVIEW LAYOUT & COORDINATE LOCATION OF ALL EQUIPMENT PRIOR TO STARTING WORK. REPORT ANY DISCREPANCIES TO ARCHITECT & ENGINEER.
4. RE: BUILDING AND WALL SECTIONS FOR CEILING HEIGHTS NOT INDICATED ON RCP
5. PAINT ALL EXPOSED STRUCTURE WITH SHERMAN WILLIAMS PAINT (SW#6127)
6. DIMENSION, DETAILS, NOTE ETC. SHOWN FOR CEILING LAYOUT ARE SYMMETRICAL UNO.
7. ALL CEILING PENETRATIONS SUCH AS, BUT NOT LIMITED TO LIGHT FIXTURES, MECHANICAL GRILLES/DIFFUSERS & EXIT SIGNS SHALL BE CENTERED IN CEILING TILE
8. WHERE CEILING TILE/GRID LAYOUT IN THE SPACE TO LESS THAN 4" WIDE, CUT 2x4 TILE TO FIT AND EXTEND CEILING GRID TO WALL AS REQUIRED.
9. DENOTES HEIGHT OF CEILING AFF. ALL CEILING HEIGHTS SHALL BE 10'-0" FROM REFERENCED ELEVATION SUCH AS 0'-0" (FIRST FLOOR) UNO. 10'-0"

2' X 4' LAY-IN FLUORESCENT FIXTURE
1' X 4' PENDANT FLUORESCENT FIXTURE
1' X 4' SURFACE MOUNTED FLUORESCENT FIXTURE
1' X 4' PENDANT FLUORESCENT FIXTURE (CAGED)
TRACK FIXTURE
DECORATIVE EXTERIOR FIXTURE
EXTERIOR WALL MOUNTED FIXTURE
RECESSED CAN FIXTURE
SUPPLY AIR DIFFUSER
RETURN AIR GRILLE
EXIT SIGN
TACO BELL MENU BOARD LIGHTS
ANTHONY'S DECORATIVE EXTERIOR FIXTURE
GYPSUM BOARD CEILING
LAY-IN ACOUSTICAL TILE CEILING
EXTERIOR STUCCO
SOLATUBE DIFFUSER
CONVEX SECURITY MIRROR
LED TRACK HEAD
SURFACE MTD. TRACK
BIAX TRACK HEAD
WALLWASHER TRACK HEAD
TRACK MOUNTED SPOT



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

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REFLECTED CEILING PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A1.30

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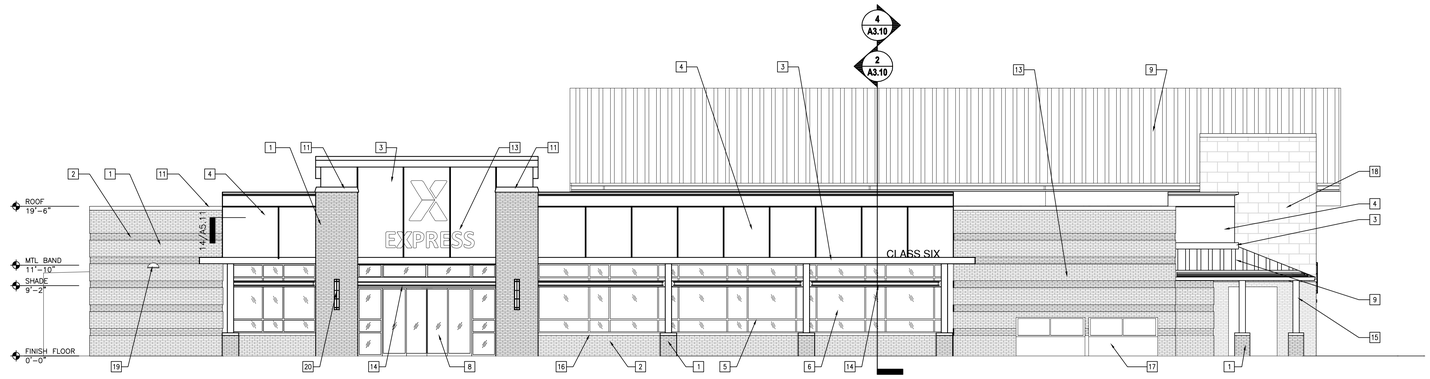
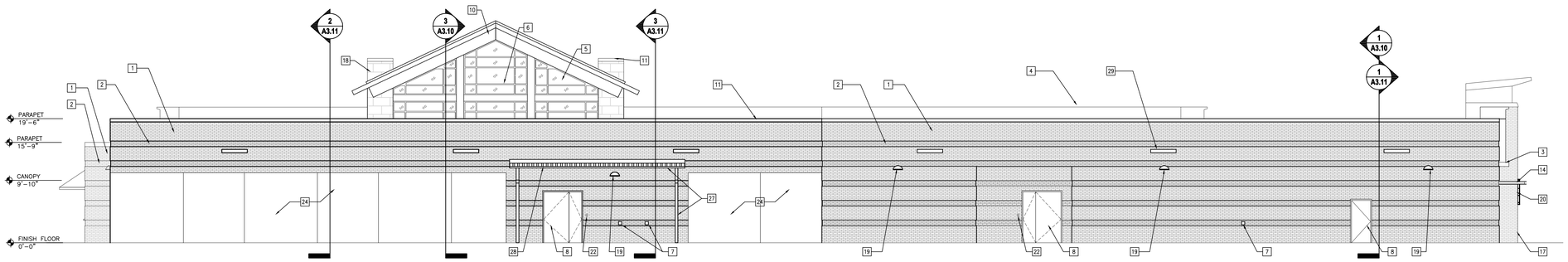


WEST ELEVATION 1/8" = 1'-0" | 4

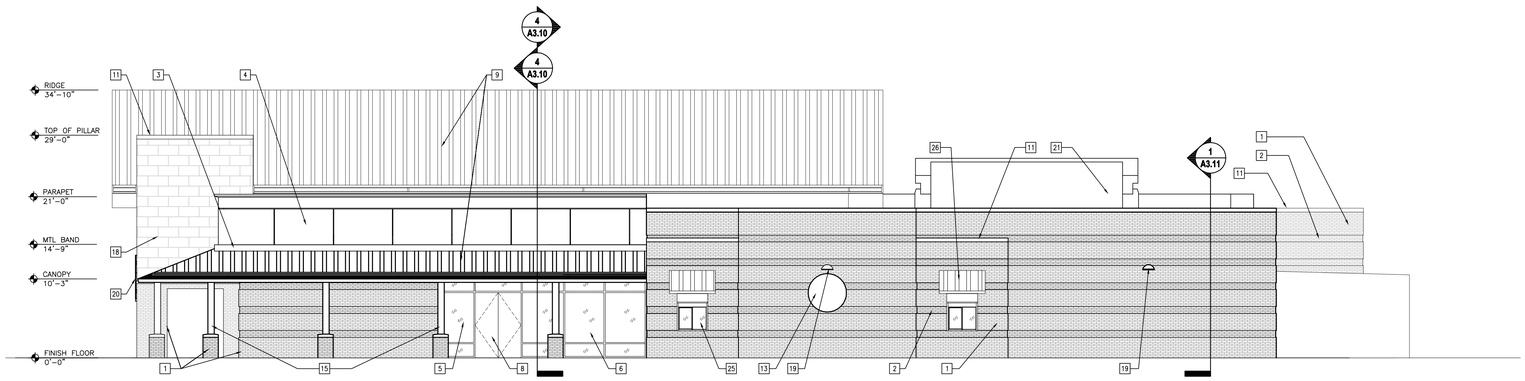
1 FACE BRICK – PALMETTO BRICK: BRAGG BLEND	16 ROWLOCK WINDOW SILL
2 FACE BRICK – PALMETTO BRICK: CHOCOLATE	17 ICE STORAGE (CF/CI)
3 ALUMINUM COMPOSITE PANEL – ALCOA COLONIAL RED	18 ARRISCRAFT THIN-CLAD W/ CLIP SYSTEM (SMOOTH SUEDE)
4 ALUMINUM COMPOSITE PANEL – ALCOA PUEBLO TAN	19 EXTERIOR WALL LIGHTS, RE: ELEC. DWGS
5 1 5/16" INSULATED CLEAR LAMINATED GLAZING WITH LOW E COATING	20 EXTERIOR WALL SCONCE, RE: ELEC. DWGS
6 STORE FRONT WALL SYSTEM W/ DARK BRONZE FINISH – YKK YHS 50 FI	21 TPO SINGLE PLY ROOFING (WHITE)
7 LOCKABLE CO2 REMOTE FILL	22 DOOR BELL
8 DOOR	23 SERVICE CANOPY
9 STANDING SEAM MTL ROOFING (DARK BRONZE)	24 WALK-IN COOLER/FREEZERS; AF/AI
10 PREFINISHED METAL FASCIA TO MATCH ADJACENT FINISH	24 WALK-IN COOLER/FREEZERS; AF/AI
11 PREFINISHED METAL COPING TO MATCH ADJACENT MATERIAL	25 SERVING WINDOW W/ 9/16" CLEAR LAMINATED SAFETY GLASS
12 ATM, RE:3/A5.11	26 DRIVE-THRU CANOPY RE: 5/A5.10 FOR ADDITIONAL INFORMATION.
13 EXTERIOR SIGNAGE (AAFES PROVIDED, CONTRACTOR INSTALLED)	27 4" PREFINISHED GUTTER AND DOWNSPOUT
14 SUNSHADE DEVICE– RE: 10/A3.10	28 CANOPY
15 PREFINISHED METAL COLUMN COVER (FS 23617)	29 OVERFLOW SCUPPER

KEY NOTES

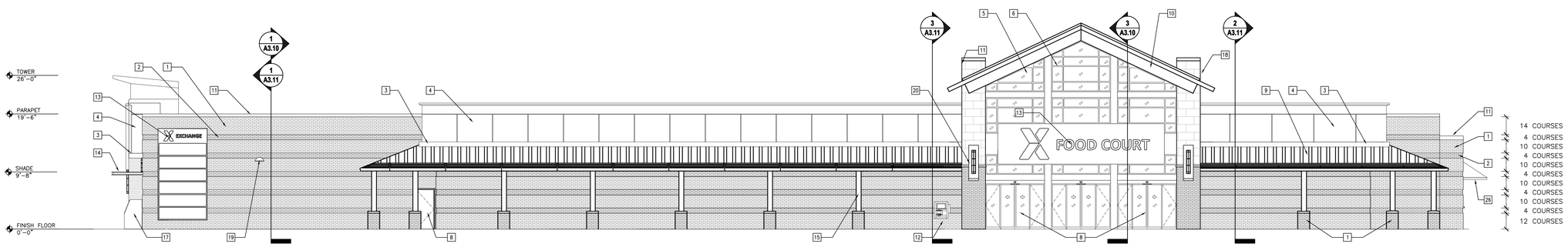
A-X-LEG_BLDG_DATA



NORTH ELEVATION 1/8" = 1'-0" | 3



EAST ELEVATION 1/8" = 1'-0" | 2



SOUTH ELEVATION 1/8" = 1'-0" | 1

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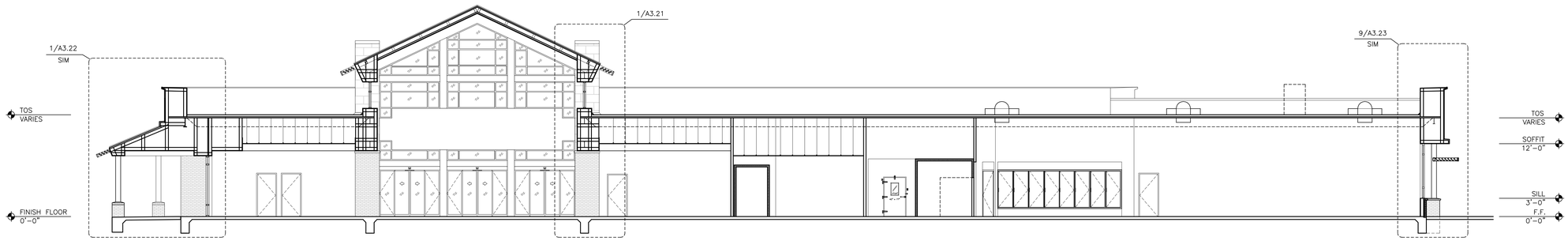
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
BUILDING ELEVATIONS

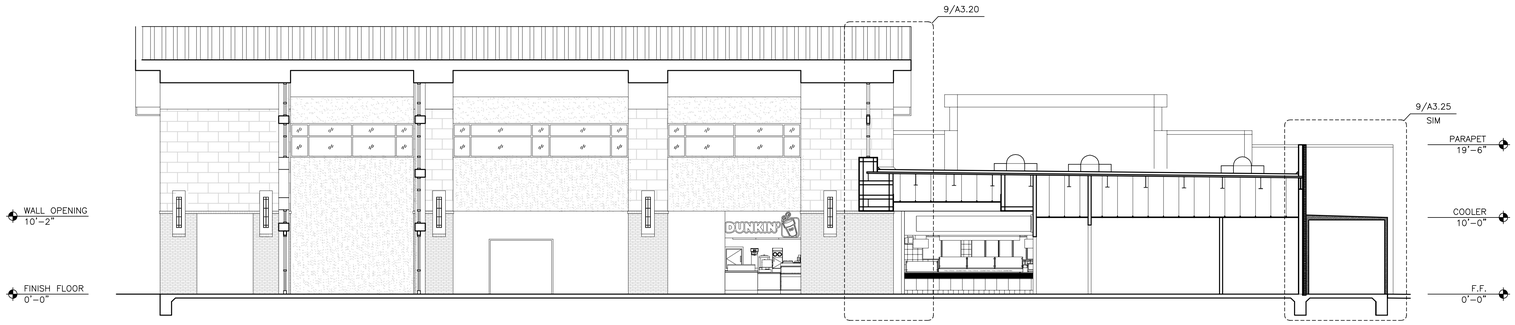
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A2.10
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:07:41 PM



RE:1/A3.10 FOR ADDITIONAL INFORMATION

BUILDING SECTION 1/8" = 1'-0" 4



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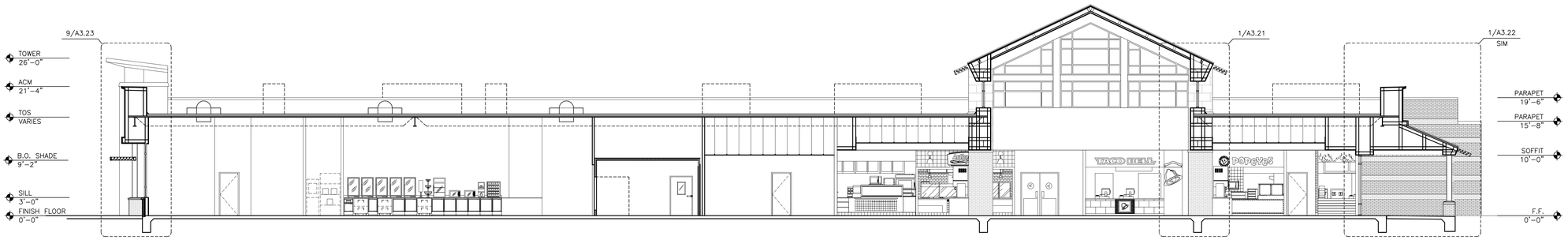

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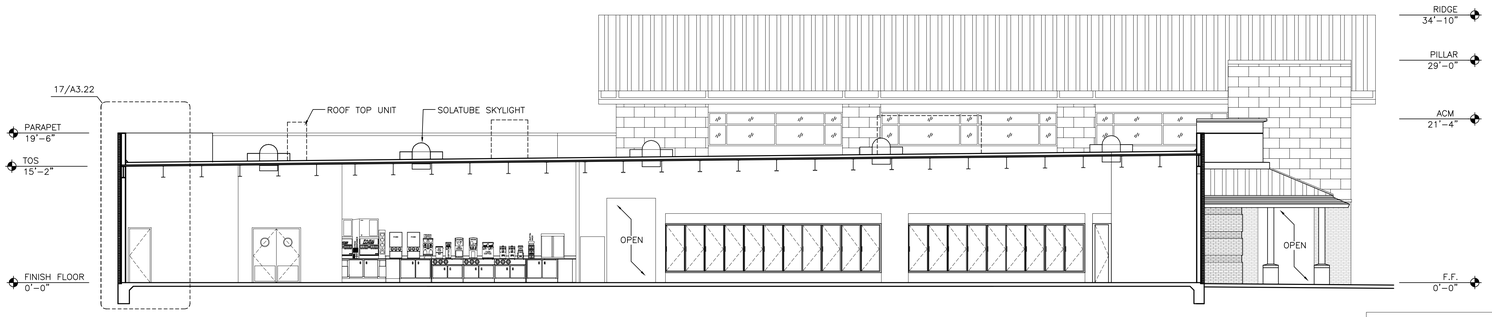
BUILDING SECTION 1/8" = 1'-0" 2



BUILDING SECTION 1/8" = 1'-0" 1

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REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

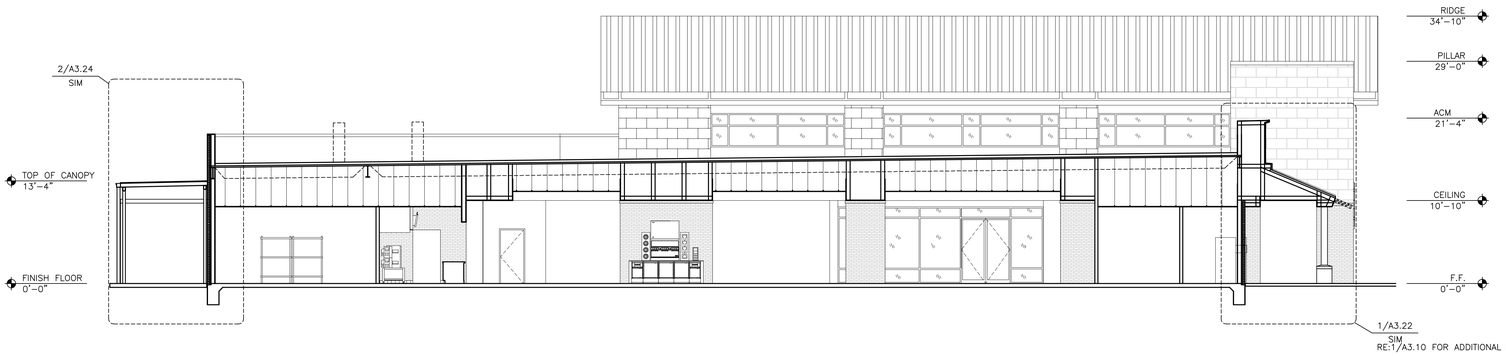
DRAWING TITLE:
BUILDING SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.10
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:07:55 PM

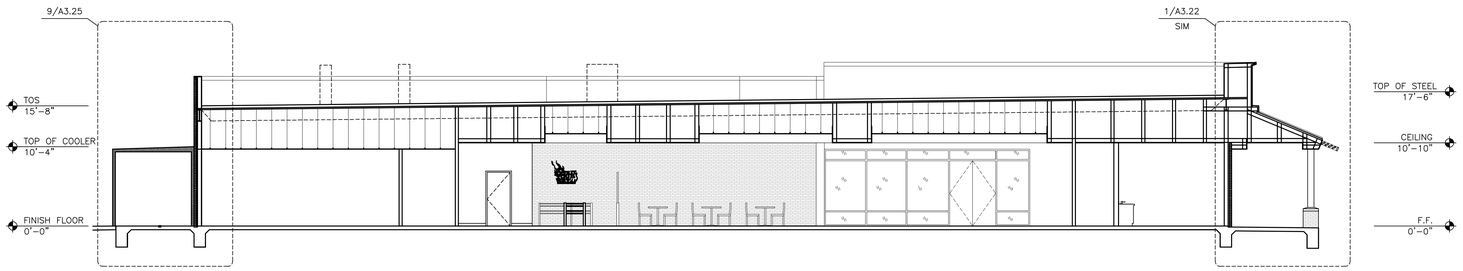
RE:1/A3.11 FOR ADDITIONAL INFORMATION

NOT USED 1/8" = 1'-0" 4



RE:1/A3.10 FOR ADDITIONAL INFORMATION

BUILDING SECTION 1/8" = 1'-0" 3



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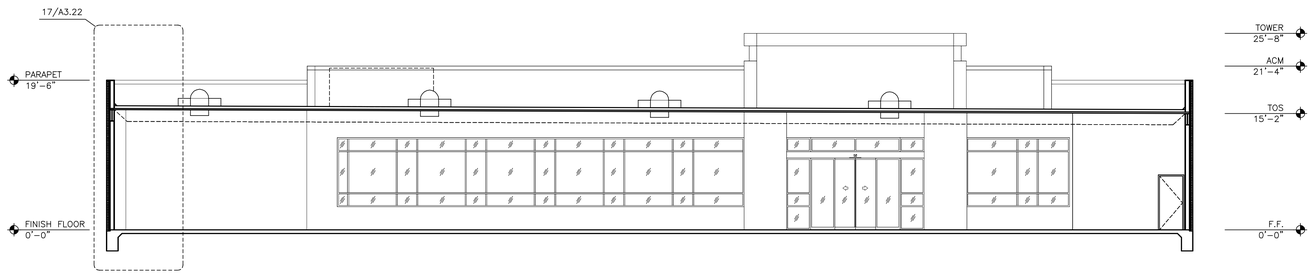
BUILDING SECTION 1/8" = 1'-0" 2



RE:1/A3.10 FOR ADDITIONAL INFORMATION

BUILDING SECTION 1/8" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2848

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

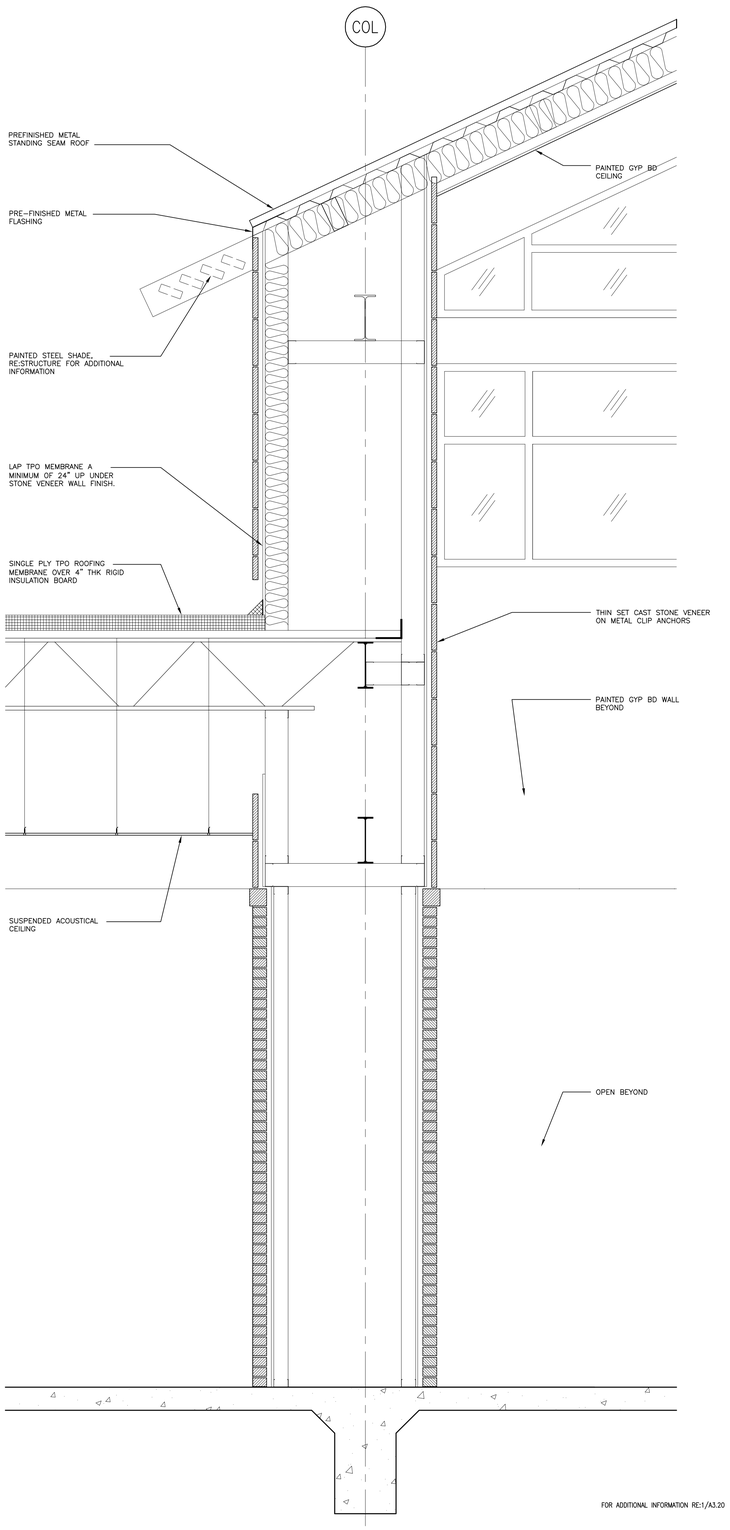
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

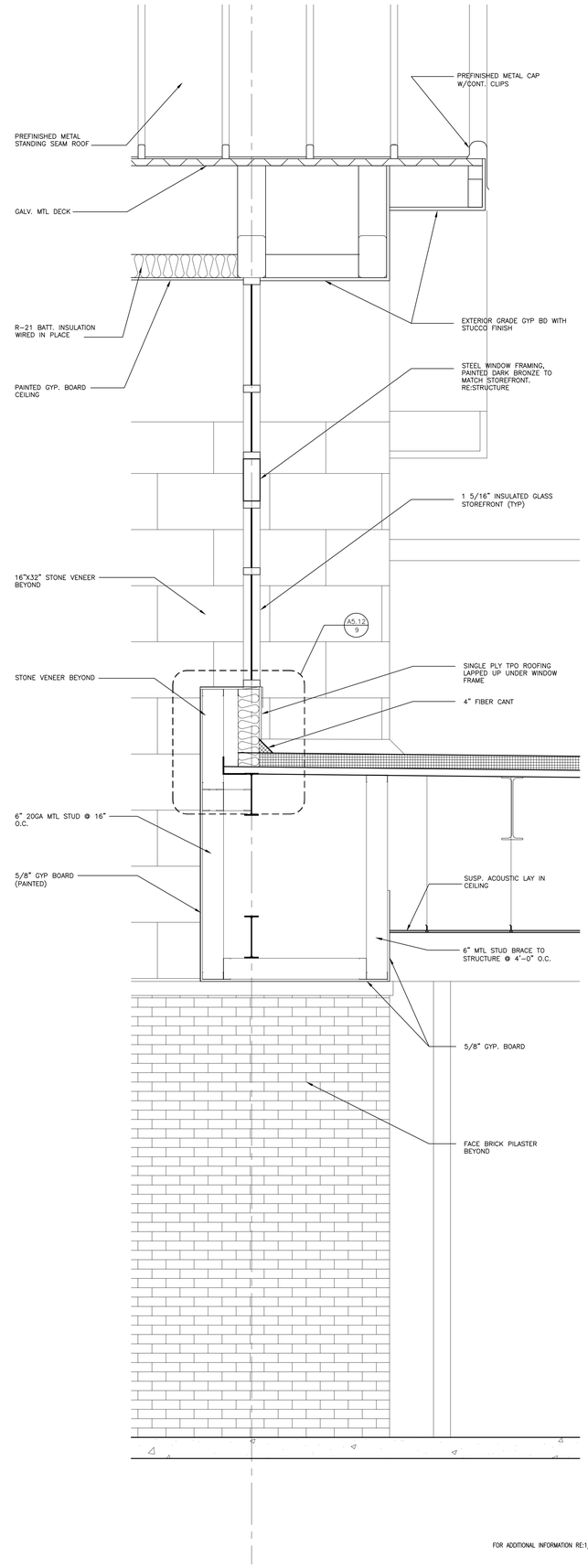
BUILDING SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.11
DRAWING/PROJECT NO: 0530-06-000005		OF___

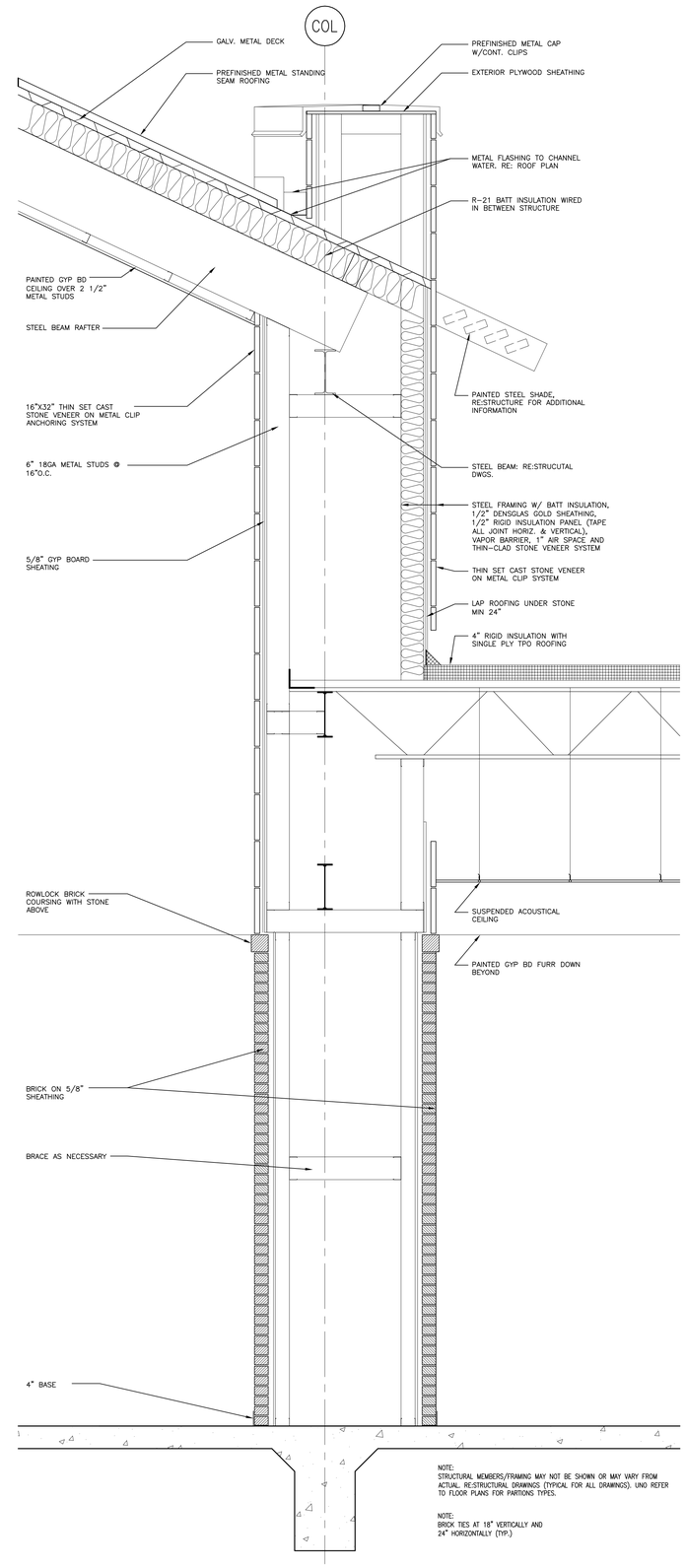
6/7/2012 5:08:09 PM



WALL SECTION 3/4" = 1'-0" 17



WALL SECTION 3/4" = 1'-0" 9



NOTE:
STRUCTURAL MEMBERS/FRAMING MAY NOT BE SHOWN OR MAY VARY FROM ACTUAL. RE:STRUCTURAL DRAWINGS (TYPICAL FOR ALL DRAWINGS). UNO REFER TO FLOOR PLANS FOR PARTIONS TYPES.

NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

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06-08-12

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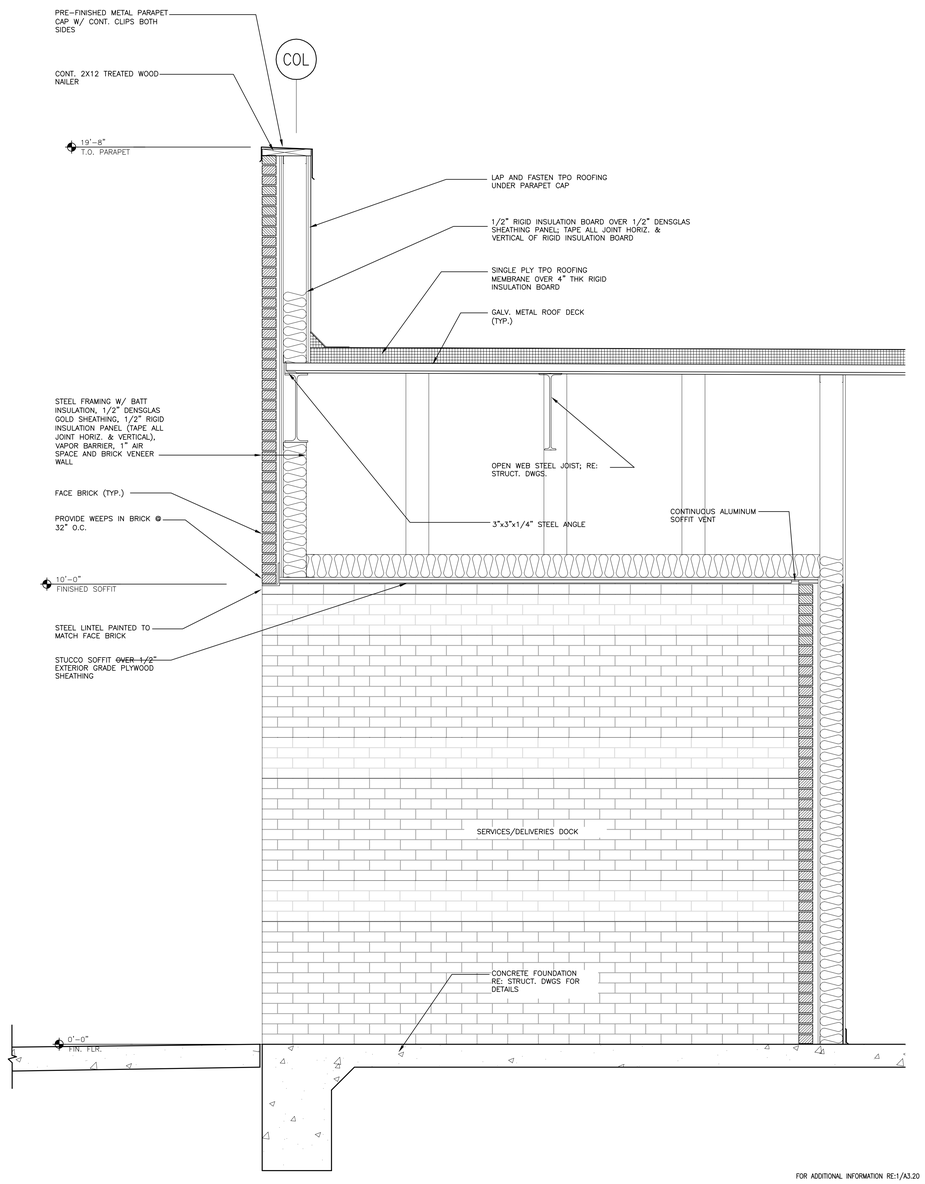
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

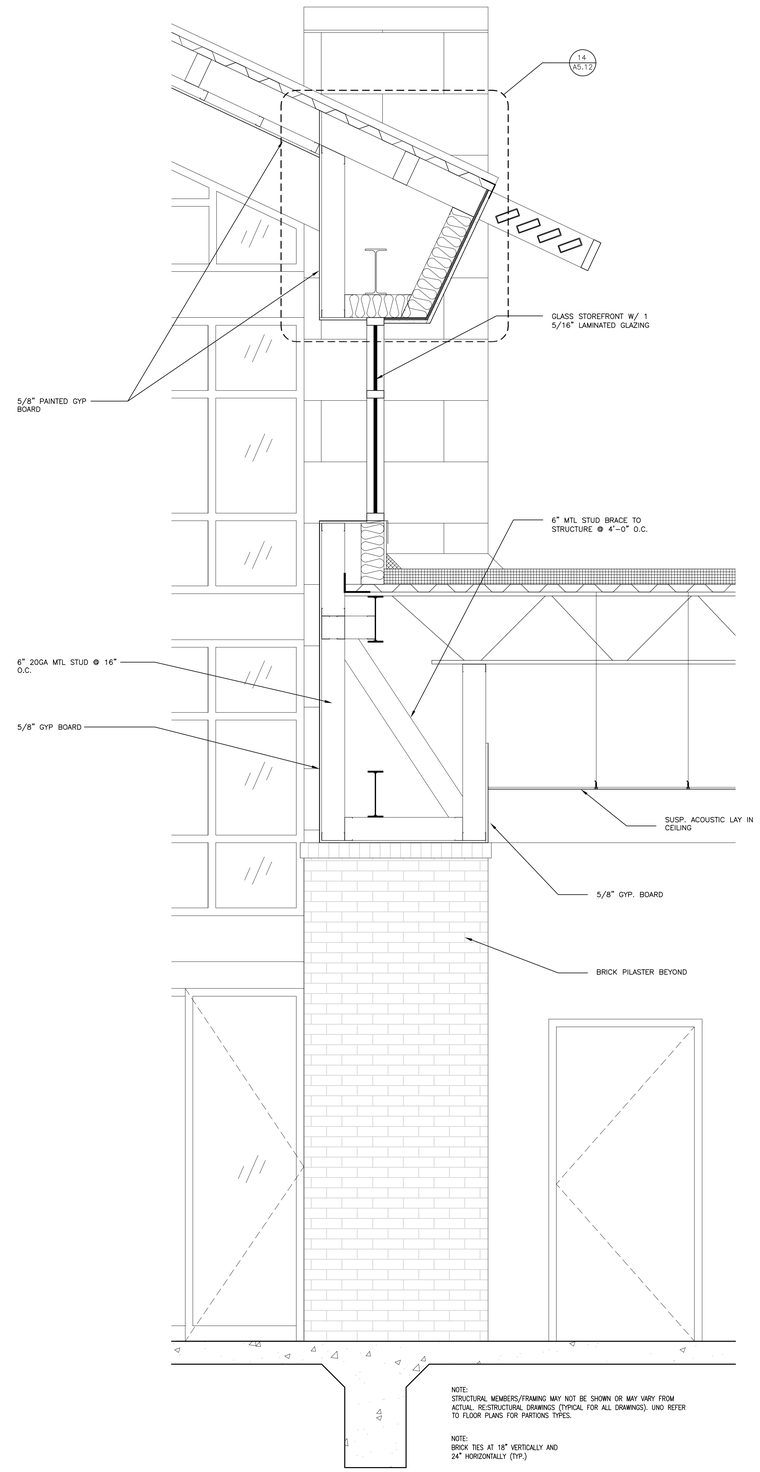
DRAWING TITLE:
WALL SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.20
DRAWING/PROJECT NO: 0530-06-000005		OF



FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 9



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NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

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PROJECT:

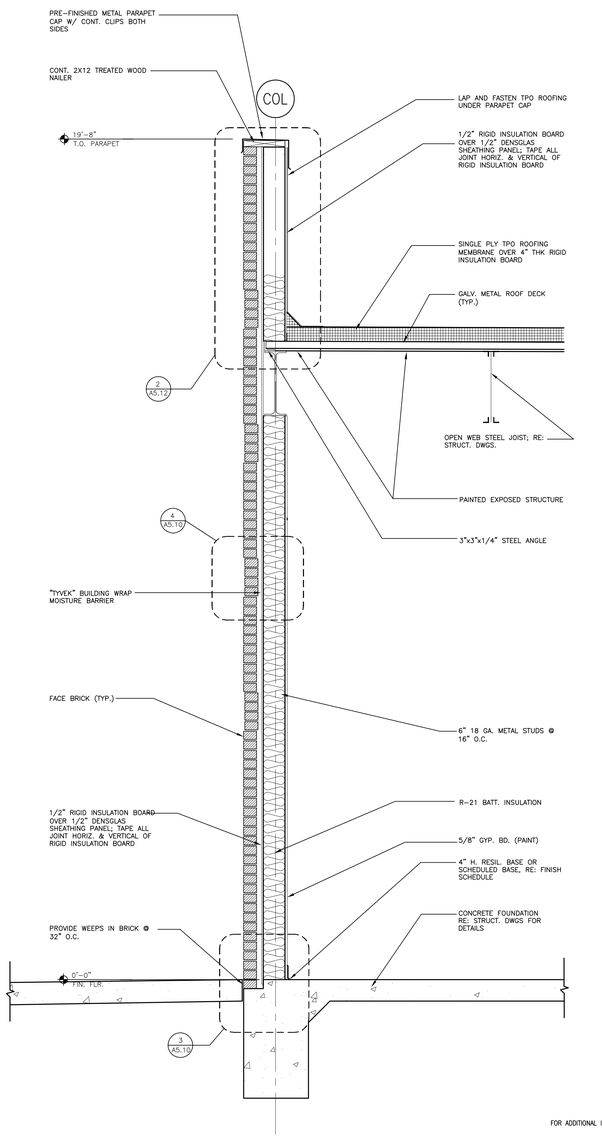
82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

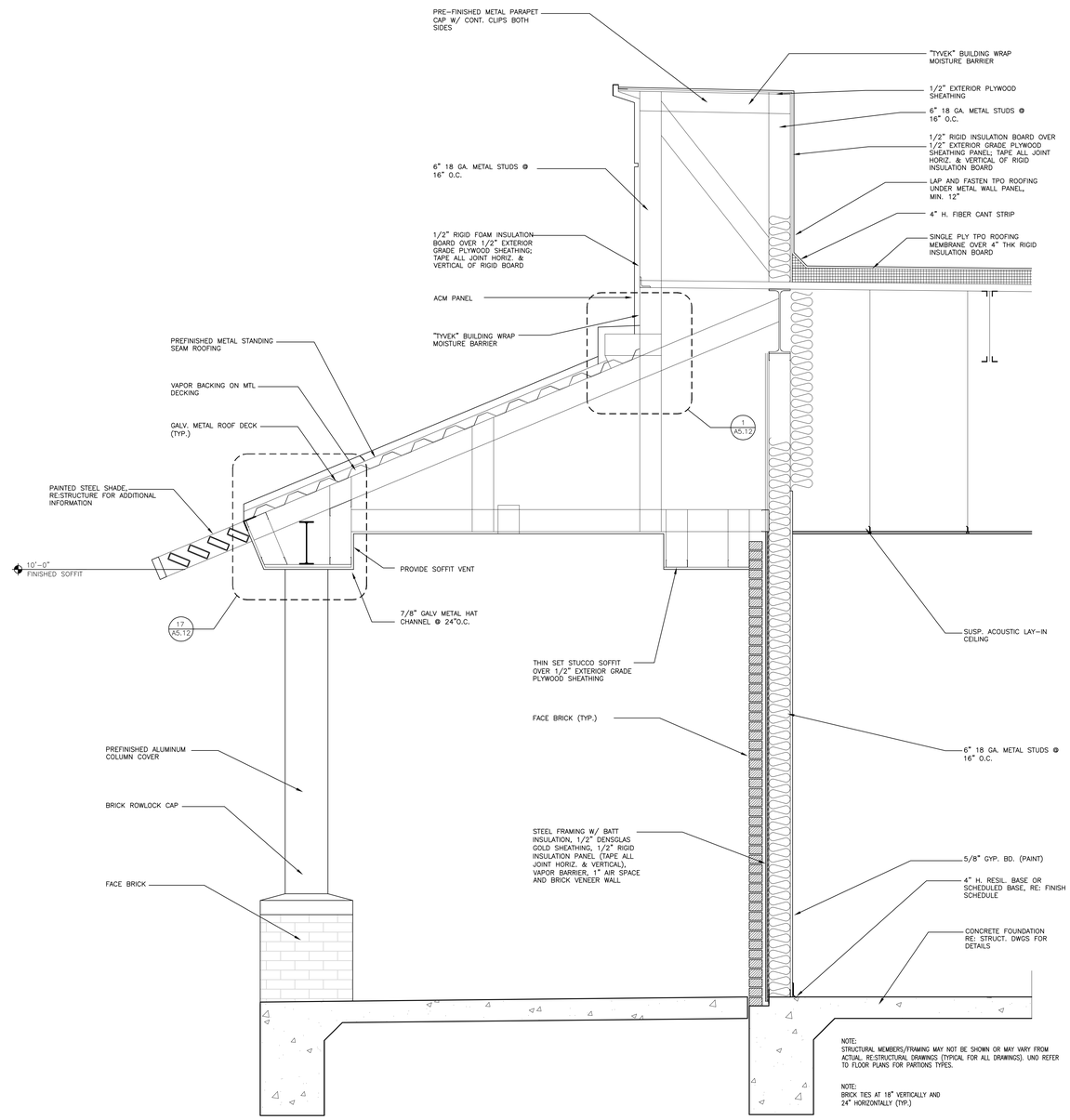
WALL SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.21
DRAWING/PROJECT NO: 0530-06-000005		OF



FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 17



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NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON 21618 STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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DATE: –

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PROJECT:
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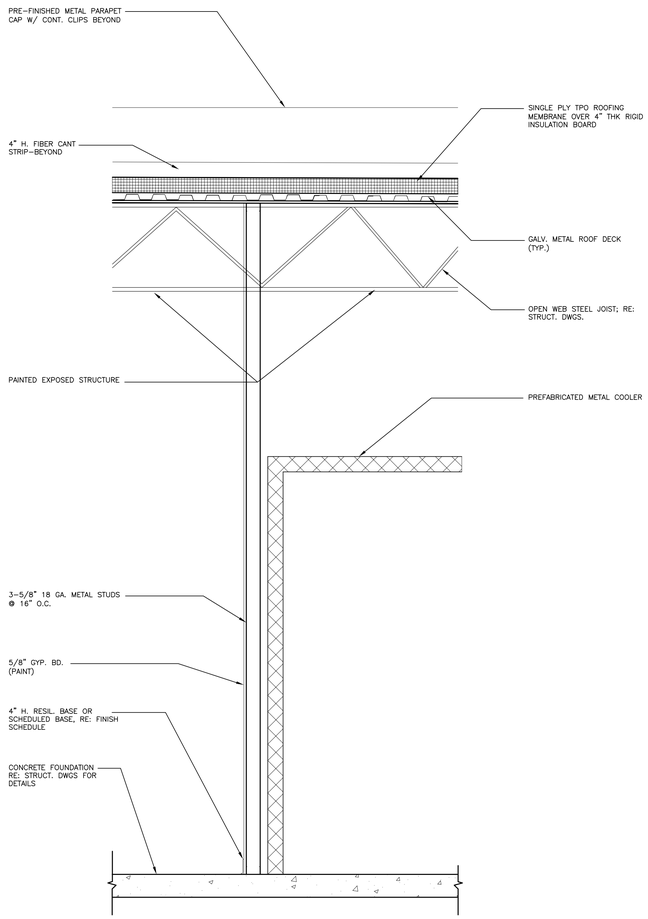
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
WALL SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.22

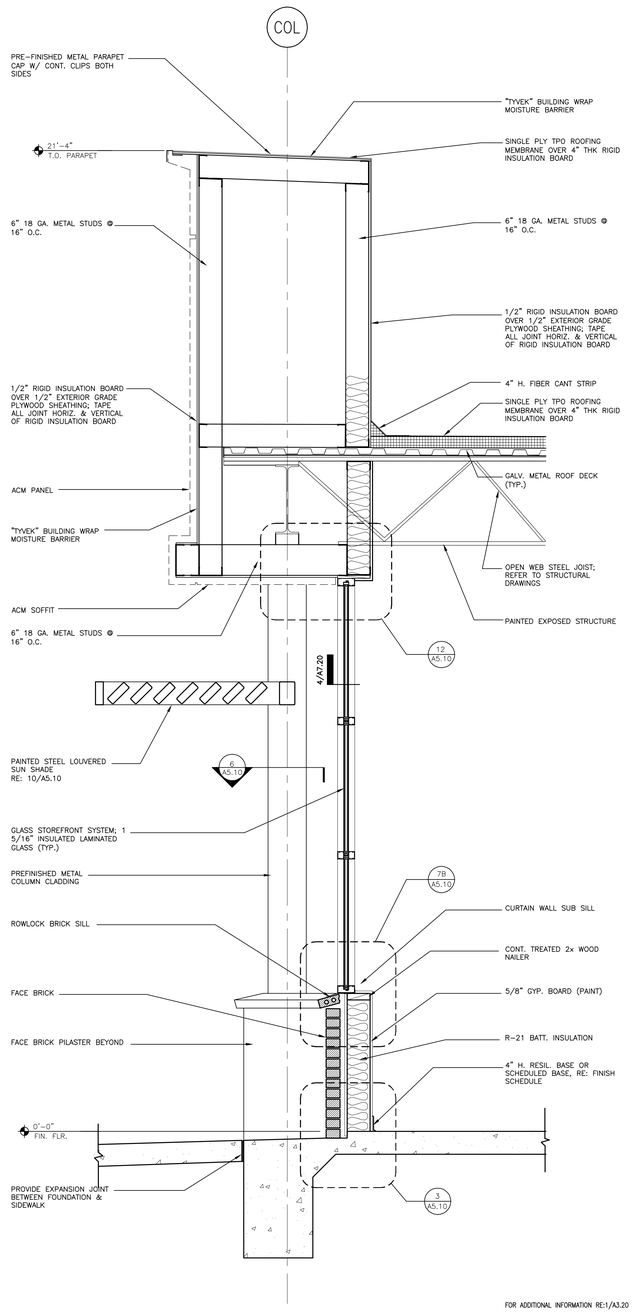
DRAWING/PROJECT NO: 0530-06-000005
OF

6/7/2012 5:08:45 PM



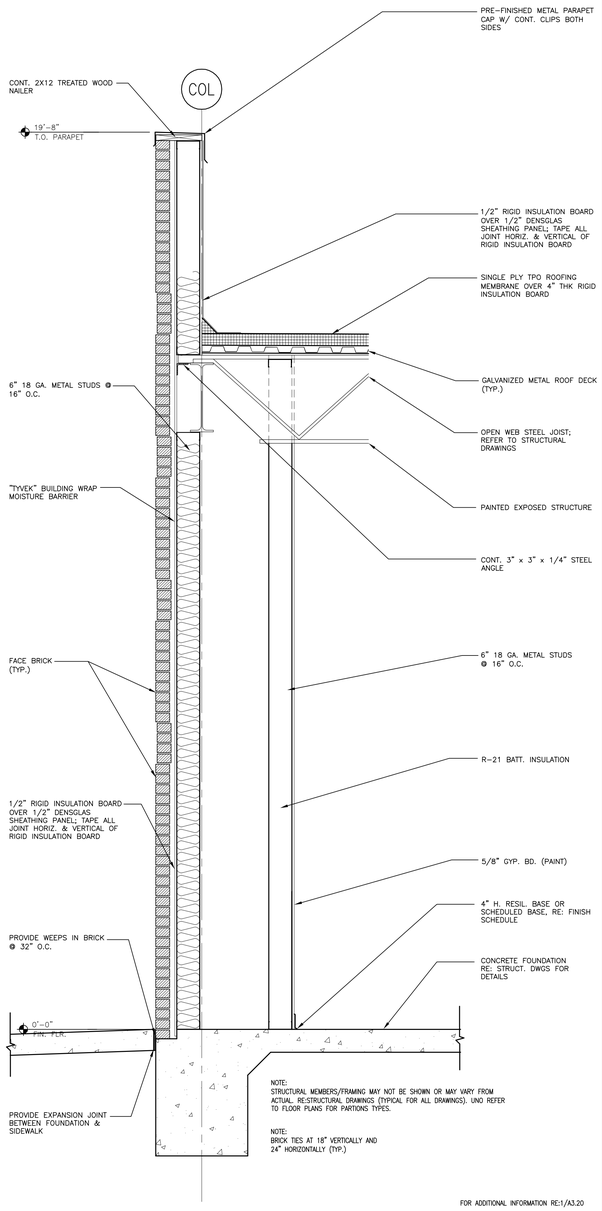
FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 14



FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 9



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NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

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PROJECT:
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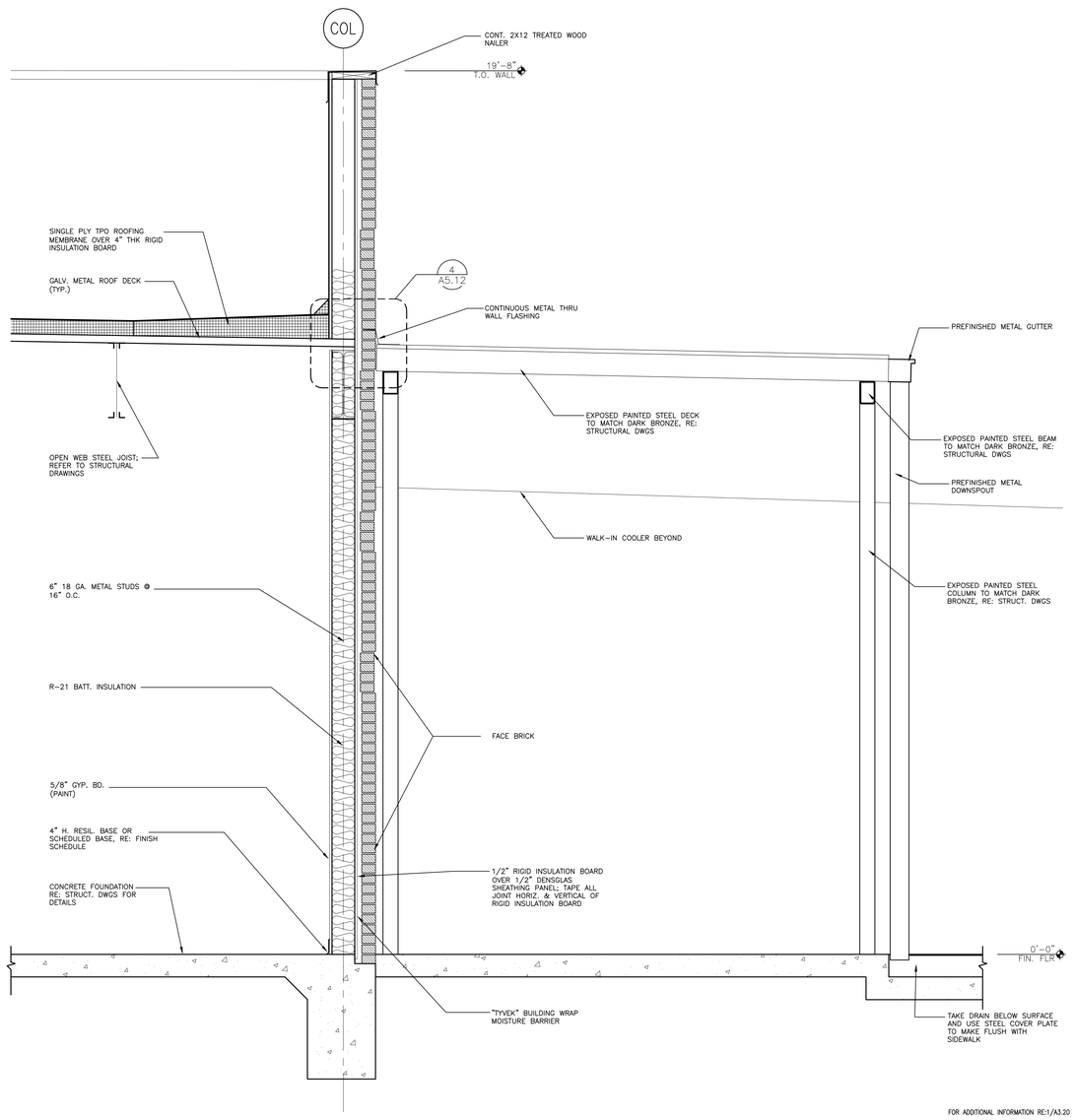
FORT BRAGG NORTH CAROLINA

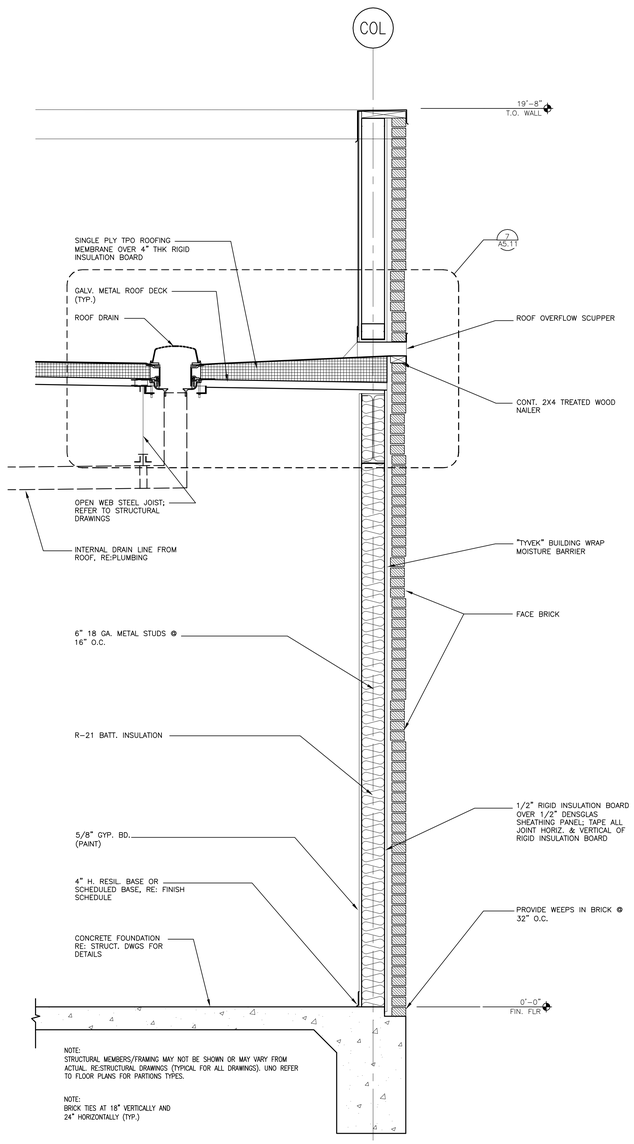
DRAWING TITLE:
WALL SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.23
DRAWING/PROJECT NO: 0530-06-000005		OF



FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 2



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NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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DATE: –

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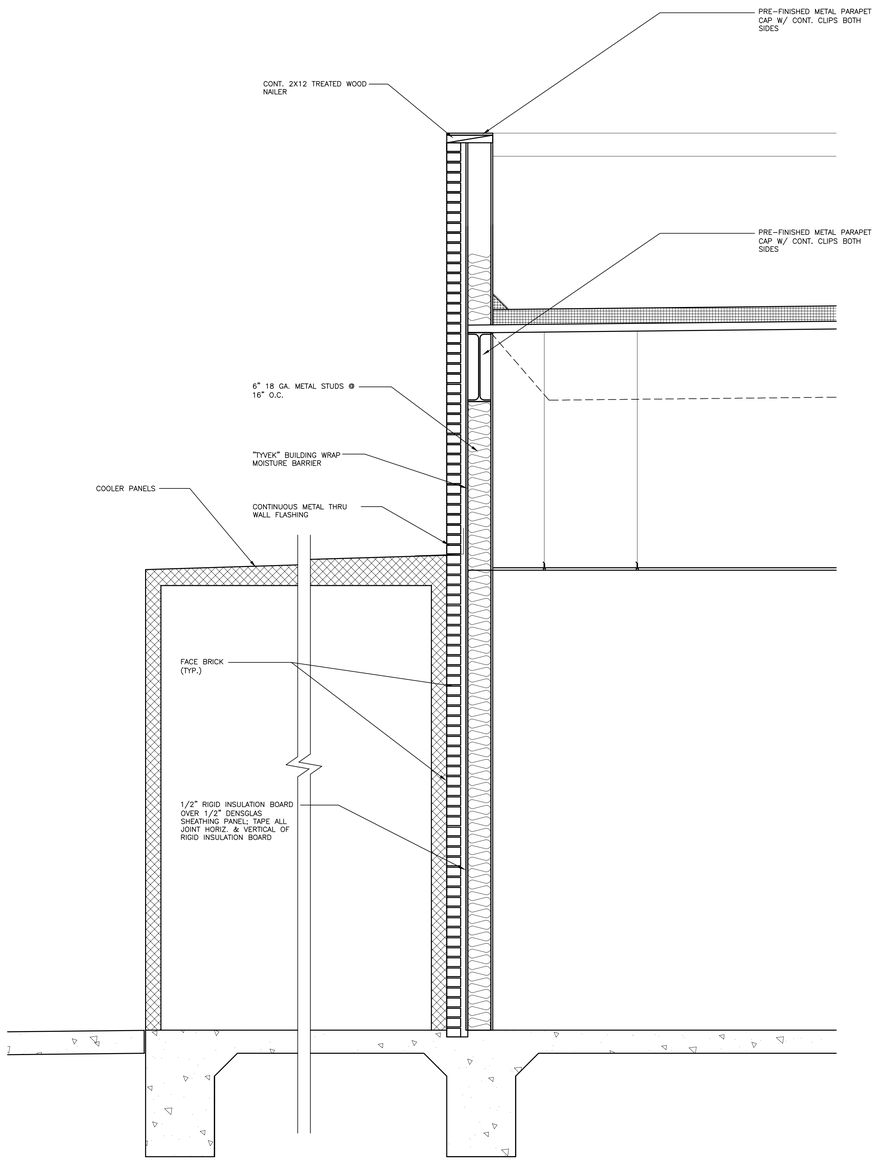
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
WALL SECTIONS

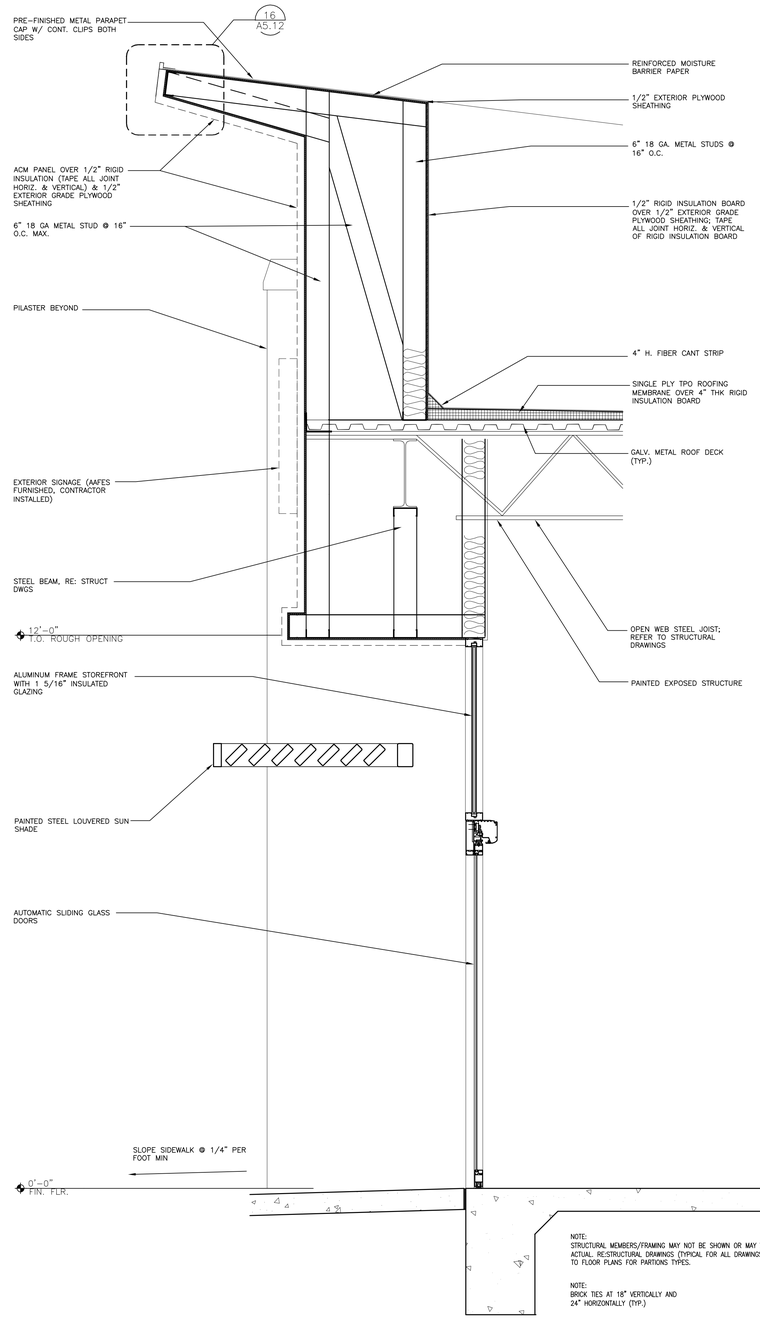
DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A3.24
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:09:10 PM



FOR ADDITIONAL INFORMATION RE:1/A3.20

WALL SECTION 3/4" = 1'-0" 9



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NOTE:
BRICK TIES AT 18" VERTICALLY AND 24" HORIZONTALLY (TYP.)

WALL SECTION 3/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON 2-16-10 STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
WALL SECTIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A3.25
DRAWING/PROJECT NO: 0530-06-000005		OF

MARK	ACCESSORIES COMBINATION	REMARKS
AS-1	TA-5, TA-9, TA-19	WOMEN'S STANDARD STALL
AS-2	TA-5	MEN'S STANDARD STALL
AS-3	TA-1, TA-2, TA-5, TA-9, TA-19	WOMEN'S ACCESSIBLE STALL
AS-4	TA-1, TA-2, TA-5	MEN'S ACCESSIBLE STALL
AS-5	TA-2(QUANTITY 2), TA-5, TA-9, TA-19	WOMEN'S AMBULATORY STALL
AS-6	TA-2(QUANTITY 2), TA-5	MEN'S AMBULATORY STALL
AS-7	TA-1, TA-2, TA-5, TA-8	ACCESSIBLE UNISEX TOILET
AS-9	TA-15	PROVIDE ONE COMPLETE SOAP DISPENSER ACCESSORY FOR EACH & EVERY LAVATORY AND/OR SINK
AS-10	TA-6, TA-10	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE, DIAPER CHANGE STATION
AS-13	TA-8, TA-26	PROVIDE ONE SOAP DISPENSOR AND ONE MIRROR ACCESSORY FOR EACH & EVERY LAVATORY

TOILET ACCESSORY GROUPS SCHEDULE

1. ENLARGED FLOOR PLAN INDICATES DIMENSIONS FOR PARTITIONS, DOORS, WINDOWS AND OTHER INCIDENTAL ITEMS. RE: SMALLER SCALE FLOOR PLAN(S) FOR ADDITIONAL INFORMATION ON PARTITION TYPES, DOOR AND WINDOW INFORMATION, AND OTHER INFORMATION NOT SHOWN ON ENLARGED FLOOR PLAN(S).

2. DIMENSIONS ARE TO FACE OF STUDS, MASONRY OR CENTERLINE OF COLUMN UNO. TO DETERMINE FINISHED DIMENSIONS, INCLUDE THICKNESS OF GYPSUM BOARD AND/OR FINISH MATERIAL.

1. METAL LOCKER (AF\AI)
2. REFRIGERATOR WITH TV MOUNTED ABOVE (AF\AI)
3. FURNITURE (AF\AI)
4. MANAGER'S OFFICE DESK (AF\AI)
5. TOILET PARTITIONS TO BE PLYWOOD W/ PLAM FINISH
6. SHELVING FIXTURES (AF/CI)
7. CO2 TANK W/ EXTERIOR REMOTE FILL. TANK (AF\AI) REMOTE FILL (CF\CI)
8. POS SERVER CABINET, COORDINATE W/ AAFES I.T. FINAL LOCATION (AF\AI)
9. FUEL MONITORING EQUIPMENT (AF\CI)

LEGEND AND KEY NOTES

1. THESE ARE TYPICAL DIAGRAMS INTENDED TO SHOW MOUNTING HEIGHTS, DIMENSIONS, SPATIAL REQUIREMENTS, ETC. FOR BOTH ACCESSIBLE AND NON-ACCESSIBLE CONDITIONS
2. NOT ALL DEVICES, FIXTURES, ACCESSORIES, ETC. SHOWN IN THESE DIAGRAMS MAY BE APPLICABLE TO THIS PROJECT. REFER TO OTHER DRAWINGS & SPECIFICATIONS FOR WHICH ITEMS ARE SPECIFICALLY INCLUDED UNDER THIS CONTRACT
3. COMPLY WITH DIMENSIONS SHOWN ON THESE DIAGRAMS UNLESS SPECIFICALLY DIMENSIONED ELSEWHERE. CLEARANCES SHALL COMPLY WITH THESE DIMENSIONS & APPLICABLE ACCESSIBILITY CODE. CONSULT ARCHITECT IF DISCREPANCIES EXIST
4. DIMENSIONS SHOWN ON THESE DIAGRAMS ARE FINISH DIMENSIONS
5. REFER TO INTERIOR ELEVATION SHEETS FOR ADDITIONAL INFORMATION

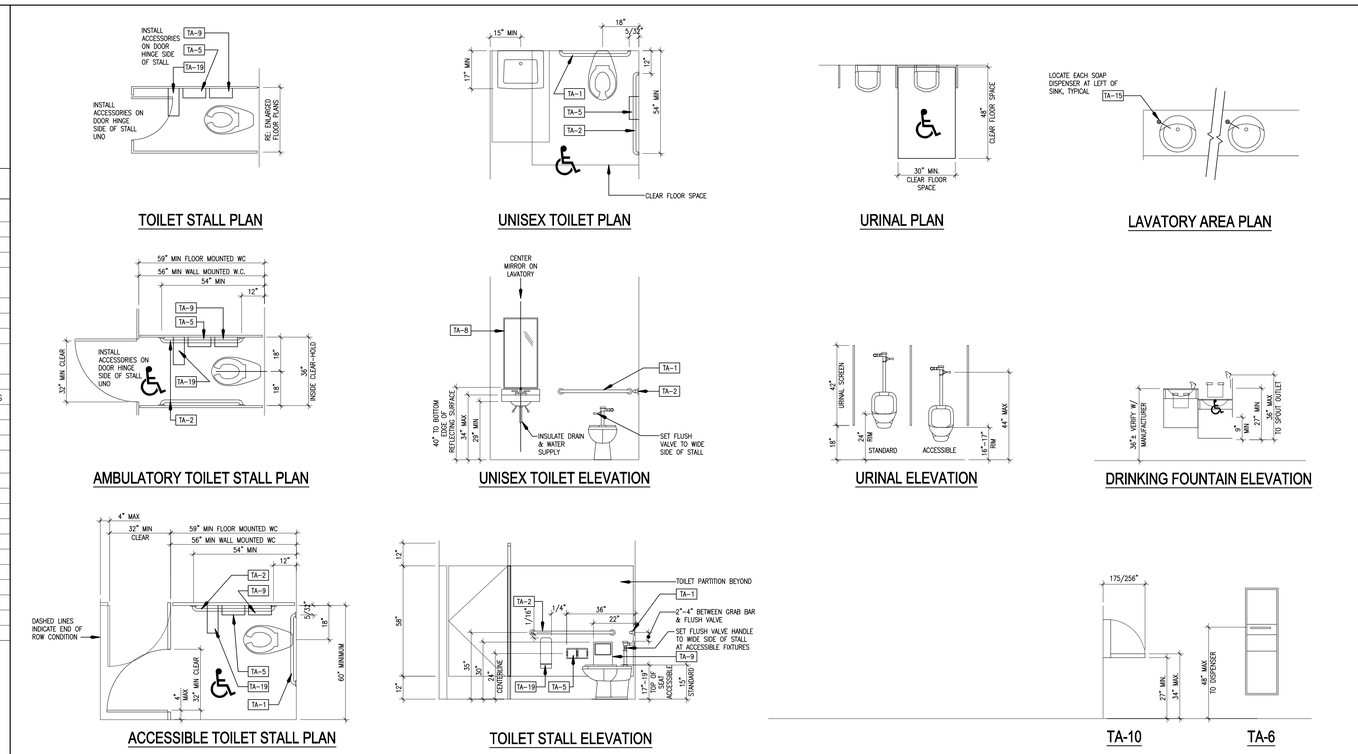
MOUNTING DIAGRAM NOTES

MARK	DESCRIPTION	MODEL NUMBER (1)	MOUNTING HEIGHT (4)
TA-1	GRAB BAR – 36"	B-5806	
TA-2	GRAB BAR – 42"	B-5806	
TA-5	TOILET TISSUE DISPENSER	B-7686	
TA-6	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE	B-3944	
TA-8	FRAMED MIRROR – 18" x 36"	B-165-1836	
TA-9	SANITARY NAPKIN DISPOSAL	B-254	
TA-10	DIAPER CHANGE STATION	B-2210	
TA-15	TOP-FILLING LAVATORY-MOUNTED SOAP DISPENSER	B-8226	
TA-19	FOLDING UTILITY SHELF	B-287	
TA-26	LIQUID SOAP DISPENSER	B-155	PER MFR. RECOMMENDATIONS

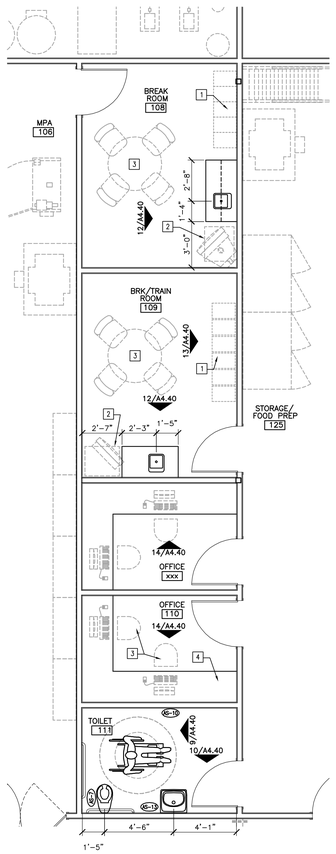
NOTES:

1. MODEL NUMBERS ARE BASED UPON BOBRICK ACCESSORIES UNLESS OTHERWISE NOTED
2. VERIFY THAT MOUNTING LOCATIONS INDICATED DO NOT CONFLICT OR INTERFERE WITH CABINETS AND/OR OTHER BUILDING COMPONENTS PRIOR TO INSTALLING BLOCKING AND ROUGH-IN FRAMING. CONSULT ARCHITECT FOR CLARIFICATION AS NEEDED
3. VERIFY EXACT LOCATION, STYLE, & TYPE WITH OWNER

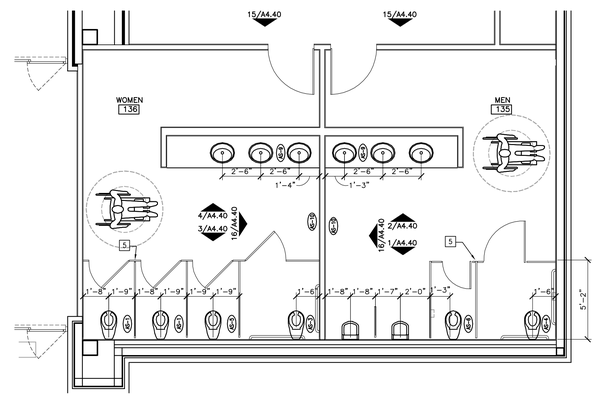
TOILET ACCESSORIES SCHEDULE



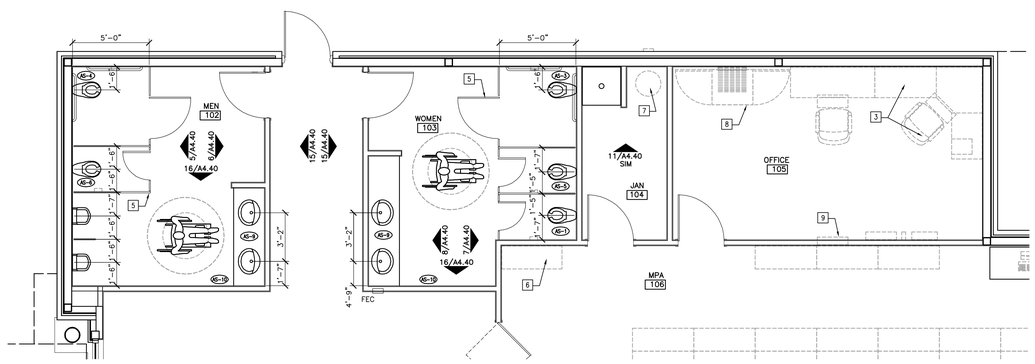
TYPICAL MOUNTING HEIGHTS



ADMIN. AREA 1/4" = 1'-0" 17



MINI-MALL RESTROOMS 1/4" = 1'-0" 9



SHOPPETTE RESTROOMS 1/4" = 1'-0" 1

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REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

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DATE: --

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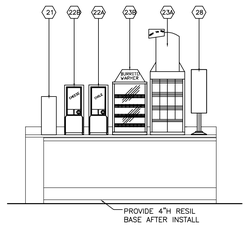
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
ENLARGE PLANS

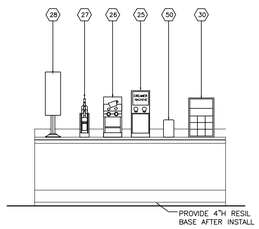
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A4.10

DRAWING/PROJECT NO: 0530-06-000005

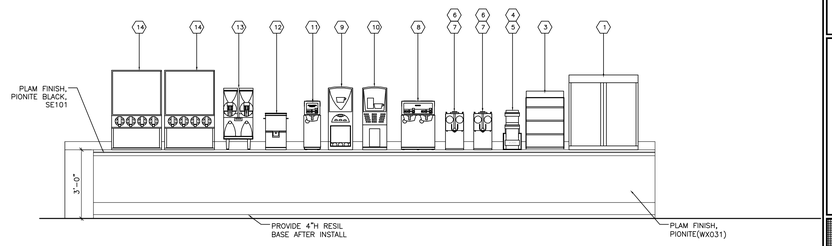
NOT USED - 24



SNACK AVENUE ELEV. 3/8" = 1'-0" 20

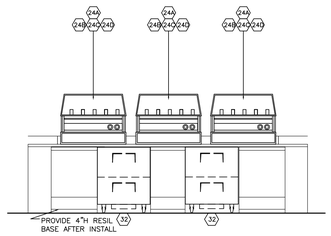


SNACK AVENUE ELEV. 3/8" = 1'-0" 16



SNACK AVENUE ELEV. 3/8" = 1'-0" 4

NOT USED - 23



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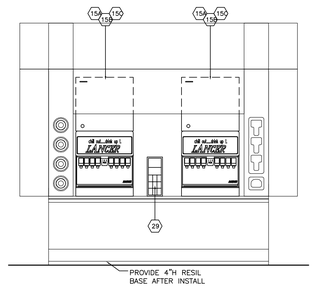
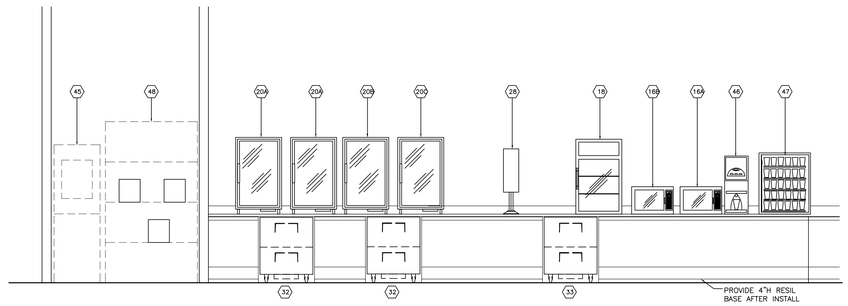


SNACK AVENUE ELEV. 3/8" = 1'-0" 15



SNACK AVENUE ELEV. 3/8" = 1'-0" 3

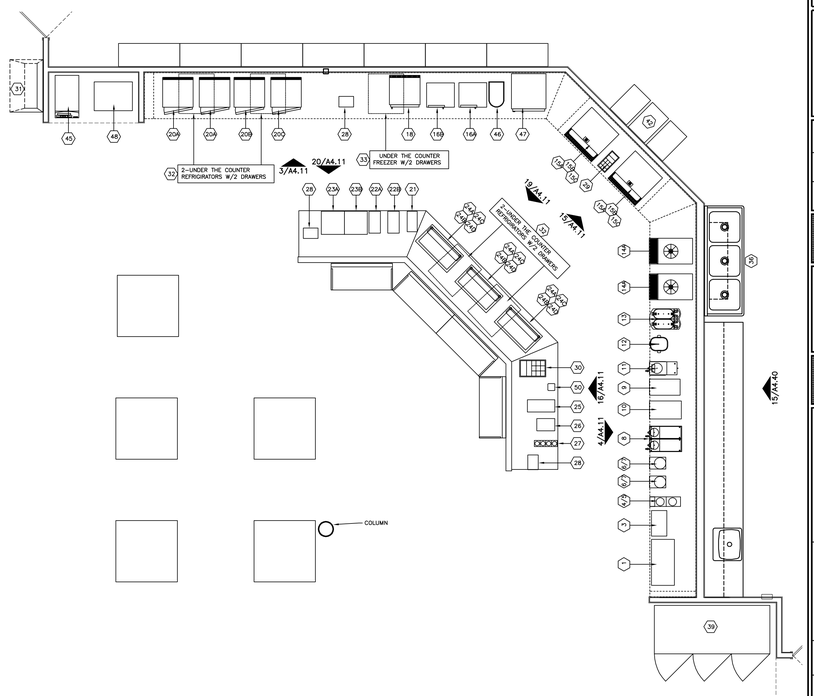
SNACK AVENUE EQUIPMENT SPECIFICATIONS - C STORE PROTOTYPE v.11013

	MODEL # DESCRIPTION	MFG / DISTR	FURN D	INSTL	SIZE width	SIZE depth	SIZE height	ELECTRICAL	AMPS	PLUMBING	REMARKS	AAFES POC	NUMBER
1	Donut Cabinet w/o Counter Base (Krispy Kreme) - VENDOR PROVIDED IN CONUS	Krispy Kreme	V	A				NA	NA	NA		Debbie Rogers	(214) 312-6987
2	Donut Cabinet w/o Counter Base (Item no. NB-PASTRY) - OCONUS ONLY	Pan Oston	A	A	36	18	39	NA	NA	NA		Debbie Rogers	(214) 312-6987
3	Deli Express Microwave Pastry Rack	Deli Express	V	A	20	12	30	NA	NA	NA		Debbie Rogers	(214) 312-2697
4	Airpot, Stainless Steel 2.5L (Prod. #32125.0000)	Bunn	A	V	6.3	9	14.6	NA	NA	NA		Debbie Rogers	(214) 312-6987
5	Airpot Rack, Model UNIV-2 APR (Prod. #35728.0000) Two-position	Bunn	A	V	7.5	24.1	14.1	NA	NA	NA		Debbie Rogers	(214) 312-6987
6	Coffee Server, TF 1.5 Gallon (Prod. #39550.004)	Bunn	A	V	9	13.8	14.8	NA	NA	NA		Debbie Rogers	(214) 312-6987
7	Server Stand, TF (Prod. #39795.0000)	Bunn	A	V	9.3	12.9	8.8	NA	NA	NA		Debbie Rogers	(214) 312-6987
8	Coffee Brewer, Twin Infusion, Model ICB-Twin (Prod. #37600.0000)	Bunn	A	V	20	25.3	26.2	6050W; 120/240V / 60Hz / 1PH; NEMA 5-15P,	25A	20-90 psi water line, 3/8" male flare fitting supplied	* 3-wires plus ground service rated 120 / 208V	Debbie Rogers	(214) 312-6987
8A	Coffee Brewer, Single Infusion, Model ICB (Prod. #36600.0000)	Bunn	A	V	10.19	23.16	26	1700W; 120V / 60Hz / 1PH; NEMA 5-15P,	14A	20-90 psi water line, 3/8" male flare fitting supplied	* 2-wires plus ground service rated 120V,	Debbie Rogers	(214) 312-6987
~~8B~~	~~Coffee Brewer, Twin Infusion, Model ICB-Twin (Prod. #35600.0000) **EUROPE**~~	~~Bunn~~	~~A~~	~~V~~	~~20~~	~~25.3~~	~~26.2~~	~~6050W; 220-240V / 50Hz / 1PH; NEMA 6-16P,~~	~~20A~~	~~130-304 kPa water line, 9.5mm male flare fitting supplied~~	~~* 2-wires plus ground service rated 240V,~~	~~Debbie Rogers~~	~~(214) 312-6987~~
~~8C~~	~~Coffee Brewer, Single Infusion, Model ICB (Prod. #36600.0000) **EUROPE**~~	~~Bunn~~	~~A~~	~~V~~	~~10.19~~	~~23.16~~	~~26~~	~~1700W; 220-240V / 50Hz / 1PH; NEMA 6-15P,~~	~~10.8A~~	~~130-304 kPa water line, 9.5mm male flare fitting supplied~~	~~* 2-wires plus ground service rated 240V,~~	~~Debbie Rogers~~	~~(214) 312-6987~~
9	Cappuccino Dispenser, iMix-3S (Prod. #38600.0000)	Bunn	A	V	12.6	24.1	32.8	1800W; 120V / 60Hz / 1PH; NEMA 5-15P,	15A	20-100 psi water line, 1/4" Male Flare Fitting supplied	* psi ≥ 90 requires regulator to reduce to 50 psi; 2-wires plus ground service rated 120V	Debbie Rogers	(214) 312-6987
~~9A~~	~~Cappuccino Dispenser, iMix-3S (Prod. #38600.0000) **EUROPE**~~	~~Bunn~~	~~A~~	~~V~~	~~12.6~~	~~24.1~~	~~32.8~~	~~1000W; 120V / 60Hz / 1PH; NEMA 5-15P,~~	~~15A~~	~~138-690 kPa water line, 6.4mm Male Flare Fitting supplied~~	~~* kPa ≥ 620 requires regulator to reduce to 345 kPa; 2-wires plus ground service rated 240V~~	~~Debbie Rogers~~	~~(214) 312-6987~~
10	Hot Beverage Dispenser, Model GB5MF-IT-LD, Multi Flavor,	Bunn	A	V	14	25	37.5	1800W; 120V / 60Hz / 1PH; NEMA 5-15P,	15A	1/4" (6.4mm) water line required		Debbie Rogers	(214) 312-6987
11	Ice Tea Brewer, Infusion, Model ITCB (Prod. #35700.0020)	Bunn	A	V	11.63	22.43	30.87	1700W; 120V / 60Hz / 1PH;	14A	20-90 psi water line, 1/4" Male Flare Fitting supplied	* 2-wires plus ground service,	Debbie Rogers	(214) 312-6987
12	Ice Tea Dispenser, Model TDO-4 (Prod. #34100.0002)	Bunn	A	V	10.7	13.7	19	NA	NA	NA		Debbie Rogers	(214) 312-6987
13	Gourmet Ice System, Ultra-2 Hopper (Prod. #34000.0000)	Bunn	A	V	16	24.5	31.9	120V / 60Hz / 1PH; NEMA 5-15R	15A	NA	* 2-wires plus ground service rated 120V,	Debbie Rogers	(214) 312-6987
14	Carbonated Beverage Dispenser, ICEE, Countertop Model 564D, 4 Head **(LEVEL 1 STORES)**	ICEE	A	C	26	32.32	41.4	215-245V / 60Hz / 1PH; NEMA rL-630R;	30A	30 PSI No Drain	4Head, * 3 wire; requires 2" air space back and sides	Debbie Rogers	(214) 312-6987
14A	Carbonated Beverage Dispenser, ICEE, Countertop Model 563, 3 Head **(LEVEL 2-5 STORES)**	ICEE	A	C	20.25	32.38	41.4	215-245V / 60Hz / 1PH; 3 wire, NEMA rL-620R;	30A	30 PSI No Drain	3 Head, requires 2" air space back and sides;	Debbie Rogers	(214) 312-6987
14B	GRANITA; Gourmet Ice System, ULTRA-2A Hopper; **OSE PROGRAM**	BUNN	A	A	16.063	24.764	31.85	230V / 50Hz / 1PH;	10A	NA	* 2-wires plus ground service rated 230V, 6" of air space sides & rear	Debbie Rogers	(214) 312-6987
15A	POST MIX; IBD 4500; Model 38-4530-GRNC; 8 valve	Lancer	V	V	30	30.5	34	115V / 60Hz / 1PH;	15A	1.5" Drain, 1" Drain, 3/8" CW		Debbie Rogers	(214) 312-6987
15B	Ice Machine Bin Adapter for (Part #82-9999-010311)	Lancer	V	V	30	30.5	2					Debbie Rogers	(214) 312-6987
15C	Ice Maker for 15A; Modular Crescent Cuber; KMD-700MAH	Hoshizaki	V	V	30	24.75	28	208-230V / 60Hz / 1PH;	20A	1.5" OD copper or equivalent independent potable water supply, 3/4" FPT independent drain connection, 5/8" OD pipe	* 3 wire with dedicated neutral for 115V; Fuse / HACR Breaker size;	Debbie Rogers	(214) 312-6987
16A	Microwave, Model #RFS12MPS	Forbes; Hever & Wallace	A	A	21.75	20.25	14.25	1800W; 120V / 60Hz / 1PH; NEMA 5-20;	15.8A	NA		Debbie Rogers	(214) 312-6987
16B	Microwave, (Vendor Furnished for Deli Express)	Deli Express	V	A								Debbie Rogers	(214) 312-6987
17	Three-tered Fruit Basket, Countertop Model		V	A	16	16	37	NA	NA			Debbie Rogers	(214) 312-6987
17A	Three-tiered Fruit Basket, Mobile Floor Stand Model		V	A	27	27	57	NA	NA			Debbie Rogers	(214) 312-6987
18	Countertop Freezer Display Model GDM-7F	True	A	A	24	24.75	39.75	115V / 60Hz / 1PH;	3.6A	NA		Debbie Rogers	(214) 312-6987
19	Pizza Oven/Freezer	Pending	A	C									
20A	Sandwich Countertop Cooler GDM7 (Vendor Furnished for Deli Express Sandwiches)	Deli Express	V	A	21	25	38.25	115V / 60Hz / 1PH;	15A	NA		Debbie Rogers	(214) 312-6987
20B	Sandwich Countertop Cooler GDM7 (Vendor Furnished for Del Monte Fruit Cups)	Del Monte	V	A	24	26.125	39.75	115V / 60Hz / 1PH;	15A	NA		Debbie Rogers	(214) 312-6987
20C	Sandwich Countertop Cooler GDM 7	True	A	A	24	26.125	39.75	115V / 60Hz / 1PH;	15A	NA		Debbie Rogers	(214) 312-6987
21	Wire Rack Chip Displayer, Goodwest	Star Mfg	V	A	7.75	16	20	NA	NA	NA	3 level black wire rack	Debbie Rogers	(214) 312-6987
22A	Chili Cheese Displayer, single-dispenser; Goodwest	Star Mfg	V	A	9	17	23	200W; 120V;	1.7A	NA		Debbie Rogers	(214) 312-6987
22B	Cheese Displayer, single-dispenser; Goodwest	Star Mfg	V	A	9	17	23	200W; 120V;	1.7A	NA		Debbie Rogers	(214) 312-6987
23A	Hot To Go Model #690-25 - for Deli Express products	Deli Express	V	A	18	18	46	120V;	5.3A	NA		Debbie Rogers	(214) 312-6987
23B	Hot To Go Model #690-25 - for Ruiz Burritos products	Ruiz	V	A	18	18	34	120V; 640 watts	5.3A	NA		Debbie Rogers	(214) 312-6987
~~23C~~	~~Hot Rod Slanted Surface Roller Hot Dog Grill, Model HR-50S **EUROPE**~~	~~APW Wyott~~	~~A~~	~~A~~	~~34.75~~	~~18.625~~	~~11.25~~	~~1035W; 240V / 50/60Hz 1PH; NEMA 5-15P,~~	~~7A~~	~~NA~~		~~Debbie Rogers~~	~~(214) 312-6987~~
24A	Hot Rod Slanted Surface Roller Hot Dog Grill, Model HR-50S	APW Wyott	A	A	34.75	18.625	11.25	120V,1320W; 11 AMPS, 60Hz / 1PH; NEMA 5-15P	7A	NA		Debbie Rogers	(214) 312-6987
24B	Hot Dog Bun Cabinet, Model BC-50	APW Wyott	A	A	34.688	18.625	6.375	NA	NA	NA		Debbie Rogers	(214) 312-6987
24C	Hot Dog Sneeze Guard, Model SG-50	APW Wyott	A	A	35.5	19.5	9	NA	NA	NA		Debbie Rogers	(214) 312-6987
24D	Lg Grill Easel w/Channel (fits APW 50ct Grill), includes custom menu strip and brand card	Food Concepts	V	A	34.688	1	6.375	NA	NA	NA		Debbie Rogers	(214) 312-6987
25	Cream Machine, GW2 Dual Port	Bunn	V	A	9.5	21.5	24.25	150W; 115V;	2.0A	NA		Debbie Rogers	(214) 312-6987
26	Sugar Machine, LS2 Dual Port	Bunn	V	A	9.5	14	21	NA	NA	NA		Debbie Rogers	(214) 312-6987
27	Coffee Syrup Rack	Bunn	V	A	4.75	18	12.5	NA	NA	NA		Debbie Rogers	(214) 312-6987
28	Napkin Holder - Parts 9135 Pole, 9023 Napkin Disp, 9908 Disp Door	Kimberly Clark	A	A	8	5.75	22.6	NA	NA	NA		Debbie Rogers	(214) 312-6987
29	Lid, Straw & Condiment Organizer, NLO-1B, 302011	Wasserstrom	A	A	8	20.5	16.5	NA	NA	NA		Debbie Rogers	(214) 312-6987
30	Lid, Straw & Condiment Organizer, WLO-1B, 302091	Wasserstrom	A	A	15	20.5	16.5	NA	NA	NA		Debbie Rogers	(214) 312-6987
31	Ice Cream Freezer (CONUS)	Nestle	V	A	53	25.75	34.75	120V / 60Hz / 1PH;	4.5A	NA	Ice cream novelty's freezer	Debbie Rogers	(214) 312-6987
32	Undercounter Refrigerator Drawer, Model TUC-27D-2-ADA	True	A	A	27.625	30.125	29.75	115V / 60Hz / 1PH; NEMA 5-15P;	15A	NA		Debbie Rogers	(214) 312-6987
33	Undercounter Freezer Drawer, Model TUC-27F-D-2-ADA	True	A	A	27.625	30.125	29.75	115V / 60Hz / 1PH; NEMA 5-15P;	15A	NA		Debbie Rogers	(214) 312-6987
34	Universal Cup / Lid Dispenser Tower, BM-62741, **OCONUS ONLY**	Pan Oston	A	A	18	24	32	N/A	NA	NA		Debbie Rogers	(214) 312-6987
35	Baler 420HD	Philadelphia Tramrail Co.	A	C	53	34	95	208-230/460V / 3 PH; NEMA12; 3HP					
36	3-Compartment Sink												
37	Walk-In Cooler - See Remarks												
38	2 Door Reach-In - See Remarks												
39	3 Door Reach-In - See Remarks												
40	Ice Bin - #1751	Mannhardt	A	C	60	48	69	115/220V / 60/50Hz / 1Ph					
41	Ice Maker - HES-405	Vogt	A	C	41	27.5	54.75	208/230V / 60Hz / 3Ph;	65A		see MFG cut sheets for Motor spec's		
42	Bag-In-Box (BIB)	Lancer	V	V	39	19	VARIES	NA	NA	NA			
43	CO2 System (BULK)	NA	V	V				NA	NA		Vendor Supplied		
44	Ice Merchandiser - 2 Door	Leer	A	C	96	35.5	76.5	115V / 60Hz / 1PH; 12hp; **EUR 220V/50Hz/1PH**	11.7		385 - 7# bags		
45	ATM - 1064Ix Interior Cash Dispenser	DIEBOLD	A	C	18.75	33.375	54.5	110V / 60Hz / 1Ph;	20		110 Volt 20 amp **Dedicated** duplex outlet centered directly behind ATM location		
46	Frozen Beverage Blender, Model FRLB5-2	F'Real	V	A	12	20	30.5	120V, Requires dedicated 15A, 120V circuit. NEMA 5-15 plug	15	Filtered water source required. 1/4" ID braided input water line, 5/8" ID flexible drain line required			
47	Frozen Beverage Single-Door Freezer, Model 07-CSGF-X1-FRRL	Minus Forty	V	A	28	31	32.5	120V, 60Hz	6.5				
48	Rug Doctor												
49	Video Rental Kiosk												
50	Biscotti Canister		V	A	5.5	5.5	9	NA	NA	NA			

SNACK AVENUE COUNTERS AND GRAPHIC STANDARDS

A	LEVEL 1 Snack Avenue Counters and Service Desk	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
B	LEVEL 2 Snack Avenue Counters and Service Desk	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
C	LEVEL 3 Snack Avenue Counters and Service Desk	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
D	LEVEL 4 Snack Avenue Counters and Service Desk	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
E	LEVEL 5 Snack Avenue Counters and Service Desk	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
F	LEVEL 6 SNACK AVENUE COUNTERS AND SERVICE DESK	Pan Oston	A	A		* REF. VENDOR SHOP DWGS FOR ALL DIM.S			Debbie Rogers	(214) 312-6987
G	Snack Avenue Graphic Package (design pending)	Chute Gerdeman	A	A						
H	Class Six Graphic Package (design pending)	Chute Gerdeman	A	A						

EQUIPMENT SCHEDULE NTS 13



SNACK AVENUE PLAN 1/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: -

FIRM #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4304 FAX
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PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
SNACK
AVENUE
PLAN

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A4.11

DRAWING/PROJECT NO: 0530-06-000005 OF

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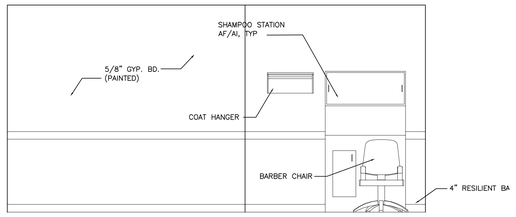
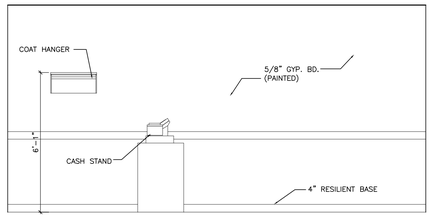
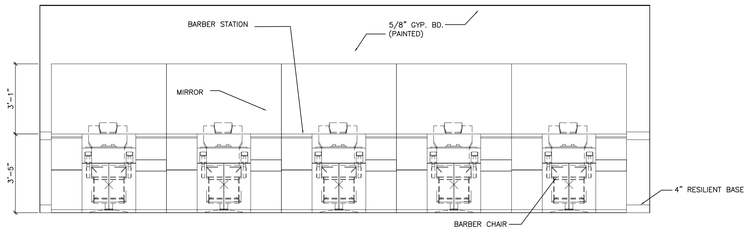


BARBER SHOP ELEV. 3/8" = 1'-0" 8

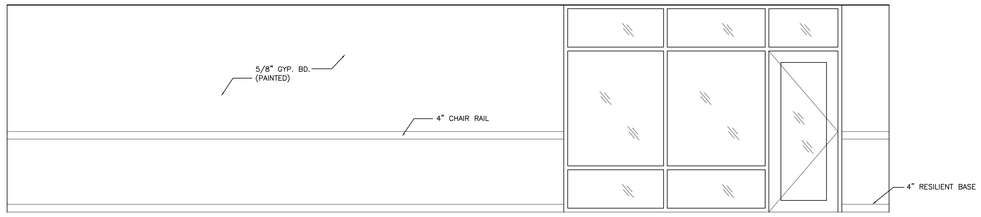


BARBER SHOP ELEV. 3/8" = 1'-0" 4

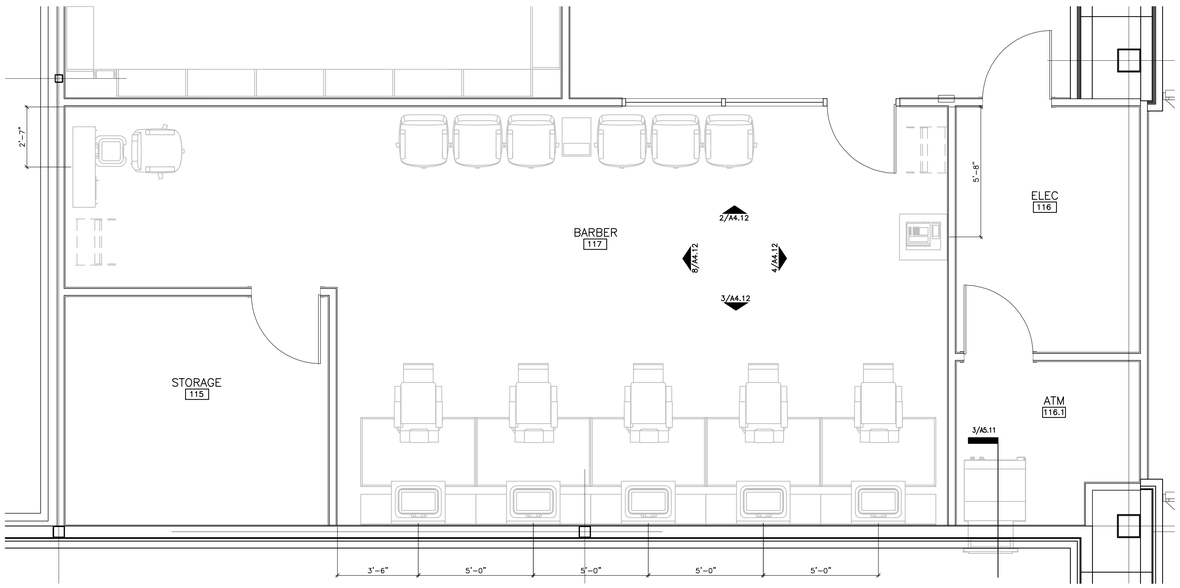


BARBER SHOP ELEV. 3/8" = 1'-0" 3

NOT USED - 11



BARBER SHOP ELEV. 3/8" = 1'-0" 2



NOT USED - 9

BARBER SHOP PLAN 3/8" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: --

FIRM #1449

morris+associates
Build on Our Strengths

12715 TELGE ROAD
CYPRESS, TX. 77429

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PROJECT:

82ND AIRBORNE
MINI-MALL
EXPANSION

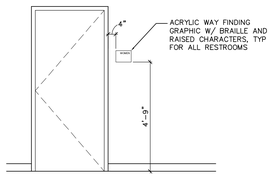
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

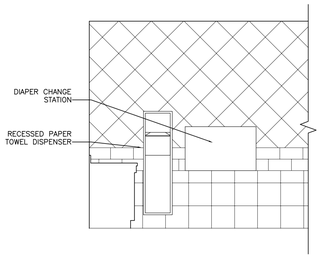
BARBER SHOP

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A4.12
DRAWING/PROJECT NO: 0530-06-000005		OF

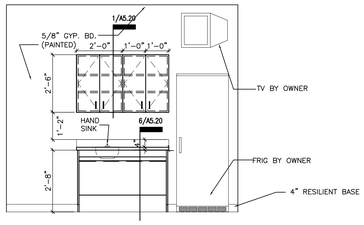
6/7/2012 5:10:09 PM



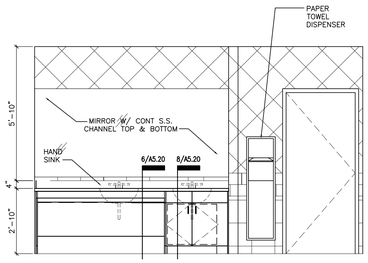
RESTROOM ENTRY 3/8" = 1'-0" 20



RESTROOM (TYP.) 3/8" = 1'-0" 16

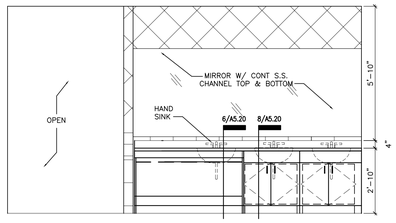


BREAK ROOM 3/8" = 1'-0" 12



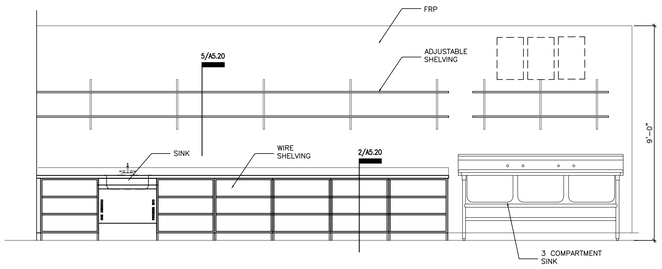
*FOR ADDITIONAL INFORMATION RE:1/A4.40

WOMENS RESTROOMS 3/8" = 1'-0" 8

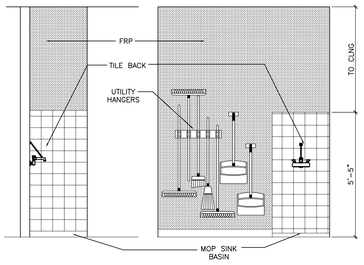


*FOR ADDITIONAL INFORMATION RE:1/A4.40

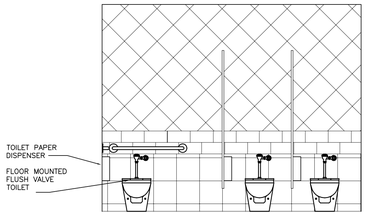
WOMENS RESTROOMS 3/8" = 1'-0" 4



MPA PREP AREA 3/8" = 1'-0" 15

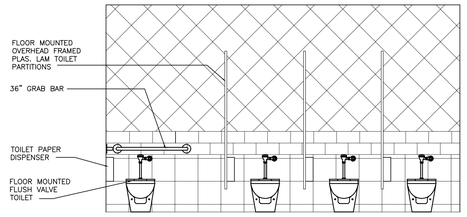


JAN 3/8" = 1'-0" 11



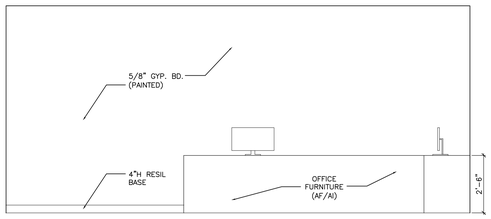
*FOR ADDITIONAL INFORMATION RE:1/A4.40

WOMENS RESTROOMS 3/8" = 1'-0" 7

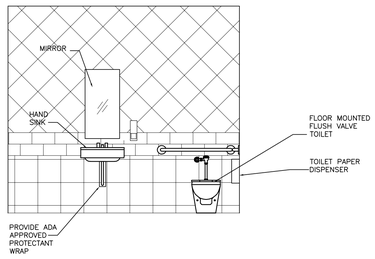


*FOR ADDITIONAL INFORMATION RE:1/A4.40

WOMENS RESTROOMS 3/8" = 1'-0" 3

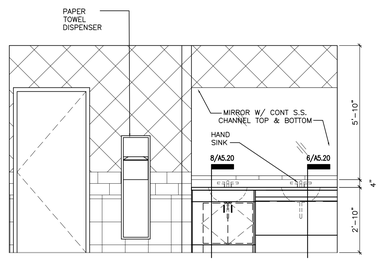


OFFICE 3/8" = 1'-0" 14



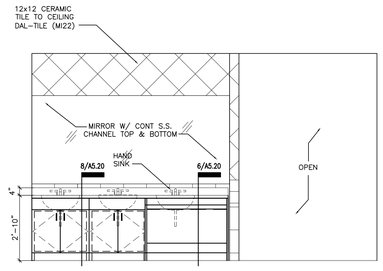
*FOR ADDITIONAL INFORMATION RE:1/A4.40

SINGLE RESTROOM 3/8" = 1'-0" 10



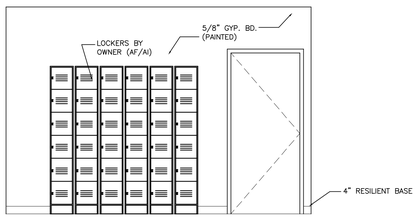
*FOR ADDITIONAL INFORMATION RE:1/A4.40

MENS RESTROOMS 3/8" = 1'-0" 6

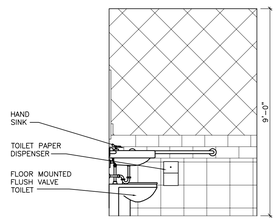


*FOR ADDITIONAL INFORMATION RE:1/A4.40

MENS RESTROOM 3/8" = 1'-0" 2

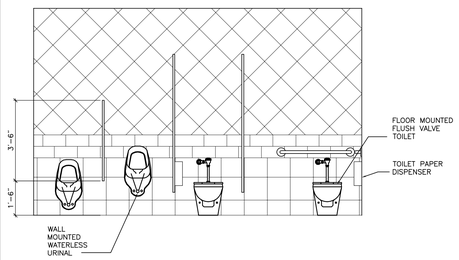


BREAK ROOM 3/8" = 1'-0" 13



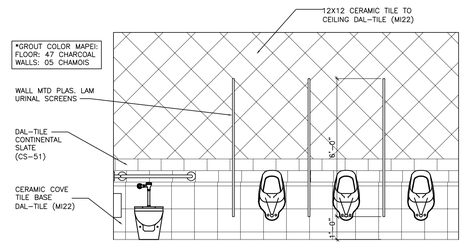
*FOR ADDITIONAL INFORMATION RE:1/A4.40

SINGLE RESTROOM 3/8" = 1'-0" 9



*FOR ADDITIONAL INFORMATION RE:1/A4.40

MENS RESTROOMS 3/8" = 1'-0" 5



MENS RESTROOM 3/8" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: --

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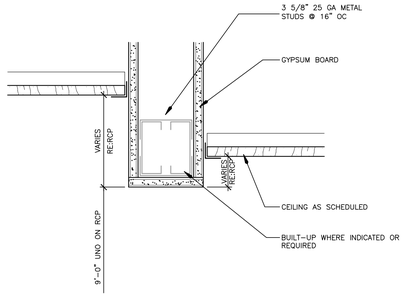
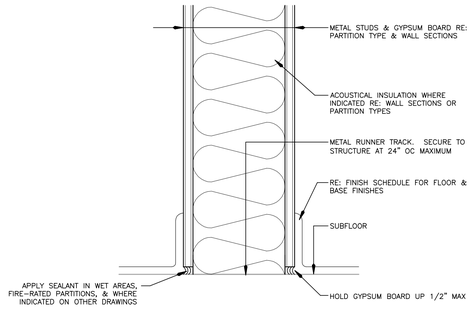
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
INTERIOR ELEVATIONS

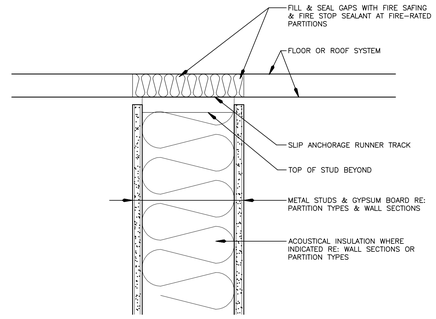
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A4.40
DRAWING/PROJECT NO: 0530-06-000005		OF



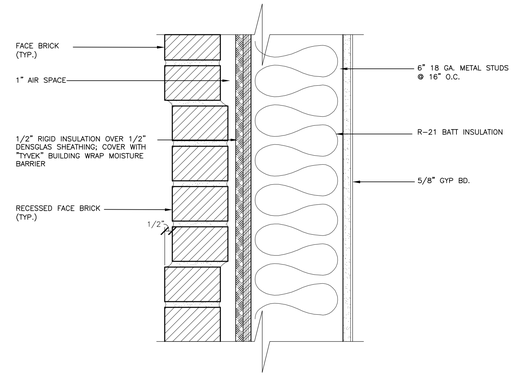
FURR DOWN DETAIL 3" = 1'-0" 14



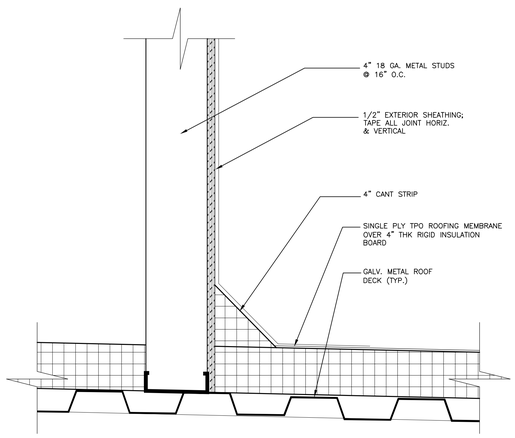
PARTITION SILL DETAIL 3" = 1'-0" 12



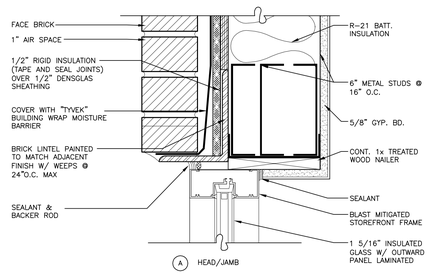
PARTITION HEAD DETAIL 3" = 1'-0" 8



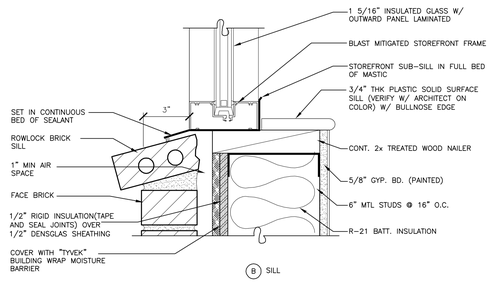
RECESSED BRICK DETAIL 3" = 1'-0" 4



ROOF DETAIL 3" = 1'-0" 13

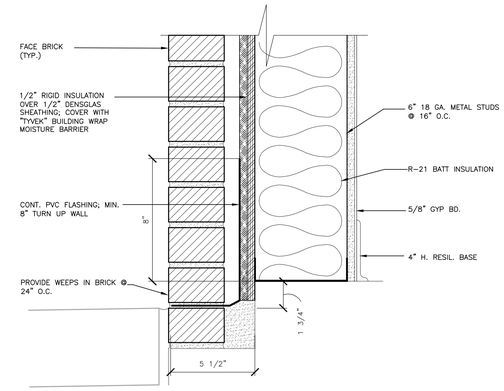


A HEAD/JAMB

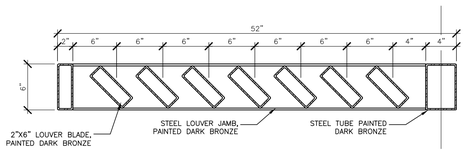


B SILL

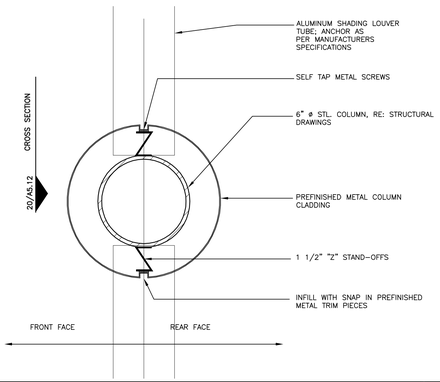
WINDOW DETAILS 3" = 1'-0" 7



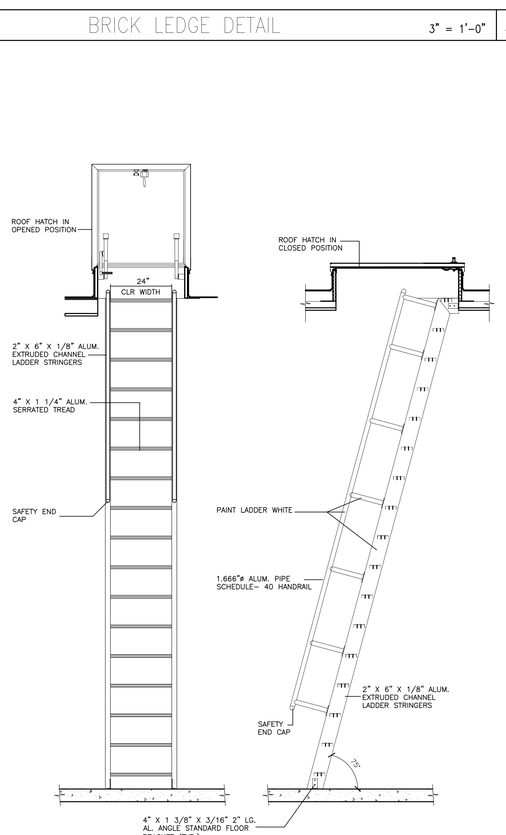
BRICK LEDGE DETAIL 3" = 1'-0" 3



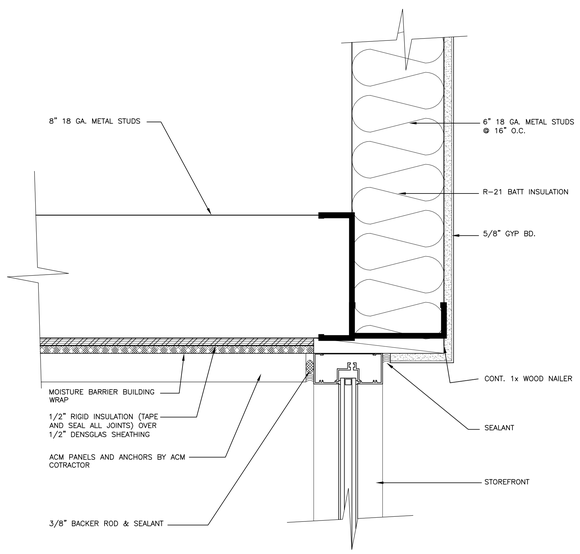
EXPRESS SHADING STRUCTURE 1 1/2" = 1'-0" 10



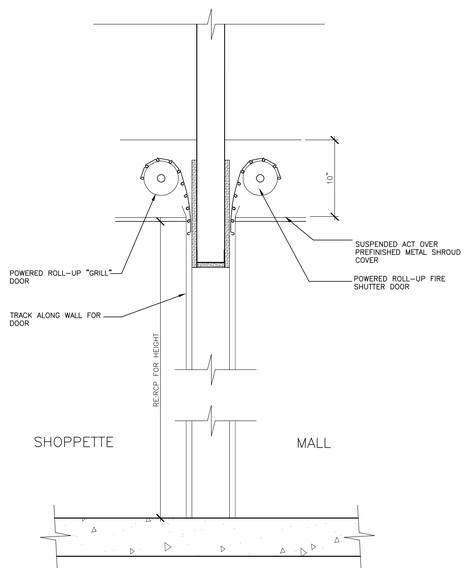
COLUMN CLADDING SECTION 3" = 1'-0" 6



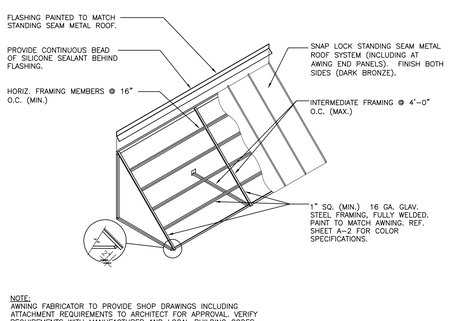
SHIPS LADDER 1/2" = 1'-0" 1



SOFFIT DETAIL 3" = 1'-0" 12



ROLL-UP DOOR SECTION 1 1/2" = 1'-0" 9



NOTE:
AWNING FABRICATOR TO PROVIDE SHOP DRAWINGS INCLUDING ATTACHMENT REQUIREMENTS TO ARCHITECT FOR APPROVAL. VERIFY REQUIREMENTS WITH MANUFACTURER AND LOCAL BUILDING CODES.

BK DRIVE-THRU AWNING 1/2" = 1'-0" 5

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: --

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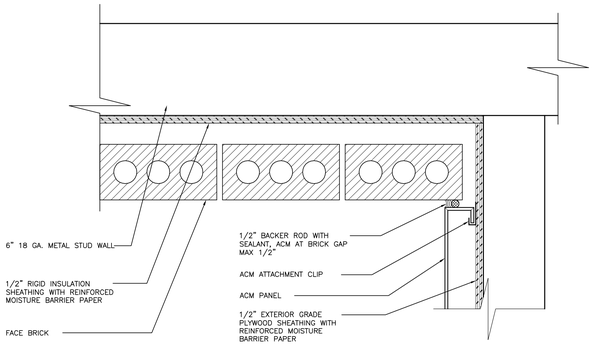
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

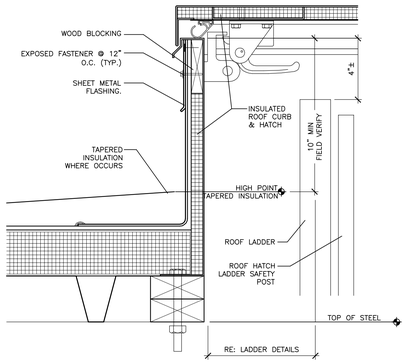
DRAWING TITLE:
DETAILS

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A5.10

DRAWING/PROJECT NO: 0530-06-000005

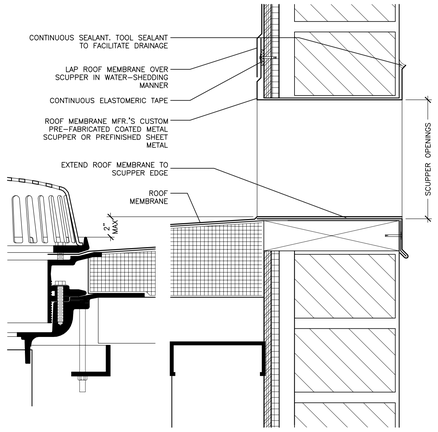


ROOF HATCH 3" = 1'-0" 14

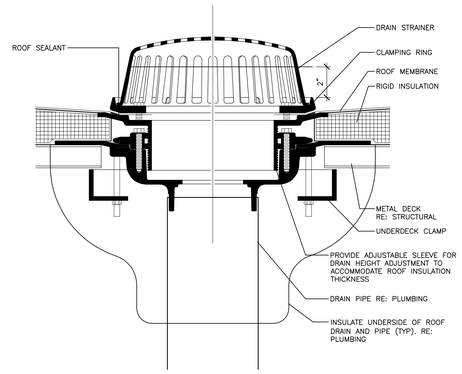


RE: STRUCTURAL FOR ADDITIONAL INFORMATION

ROOF HATCH 3" = 1'-0" 10

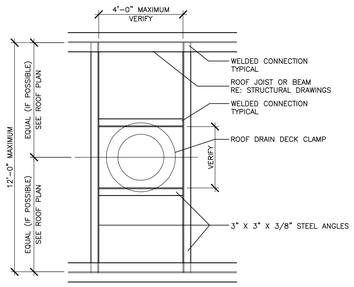


SCUPPER DETAIL 3" = 1'-0" 7

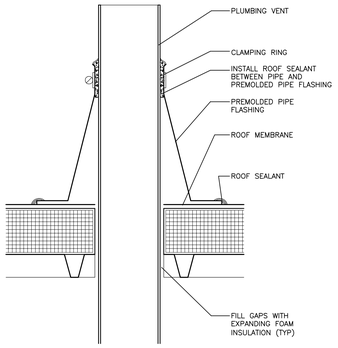


RE: PLUMBING FOR ADDITIONAL INFORMATION

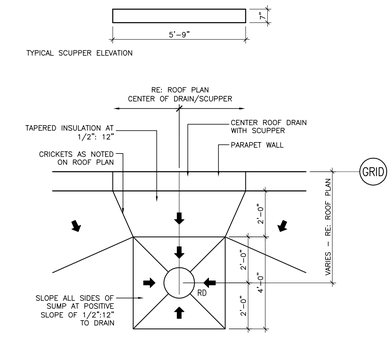
ROOF DRAIN 3" = 1'-0" 4



ROOF DRAIN SUPPORT 1 1/2" = 1'-0" 12

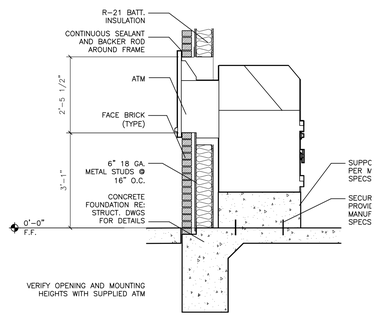


ROOF PENETRATION DETAIL 3" = 1'-0" 9

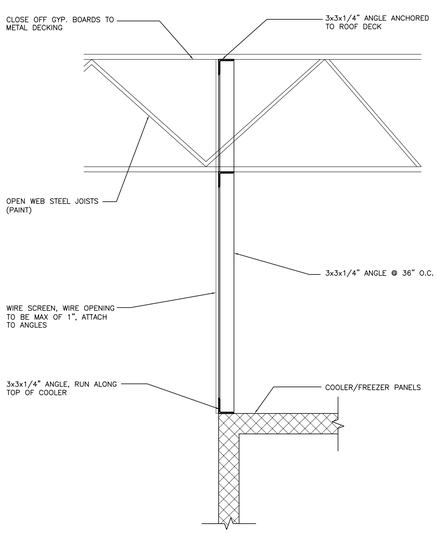


RE:12/A5.11 FOR TYPICAL ROOF DRAIN SUPPORT

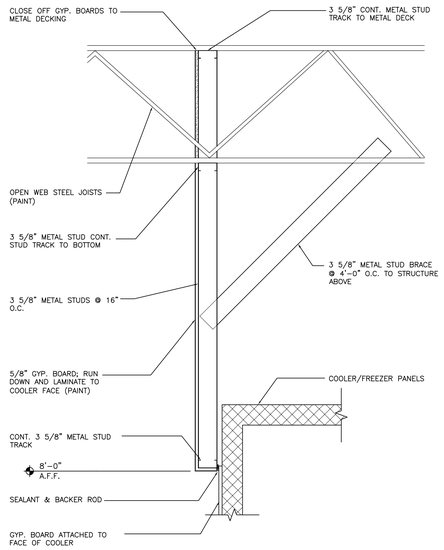
ROOF DRAIN DETAIL 3/8" = 1'-0" 6



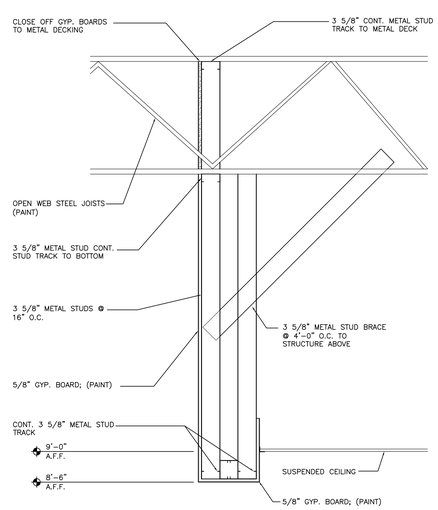
ATM DETAILS 1/2" = 1'-0" 3



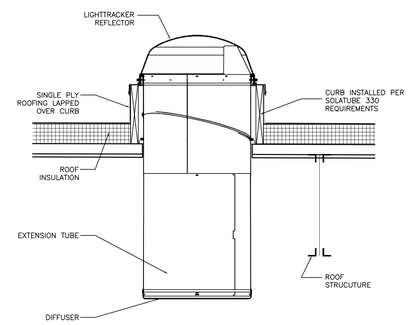
INTERIOR WALL DETAIL 1" = 1'-0" 11



INTERIOR WALL DETAIL 1" = 1'-0" 8



CEILING FURR DOWN DETAIL 1" = 1'-0" 5



SOLATUBE SKYLIGHT DETAIL 1" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: --

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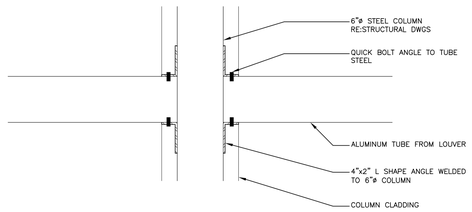
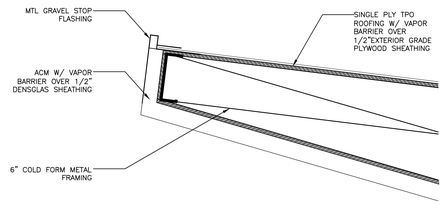
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
DETAILS

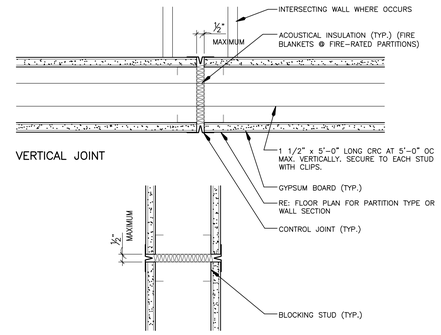
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A5.11
DRAWING/PROJECT NO: 0530-06-000005		OF ___



COLUMN DETAIL 1 1/2" = 1'-0" 20

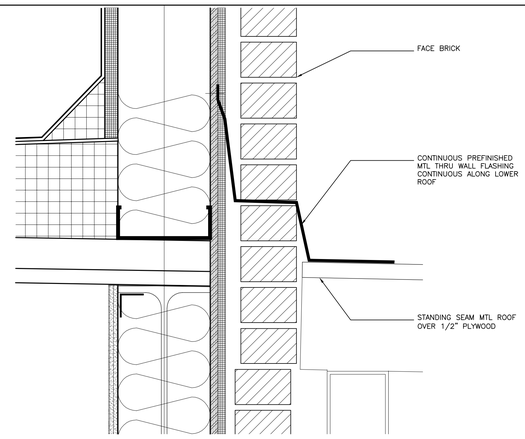


FASCIA DETAIL 1 1/2" = 1'-0" 16

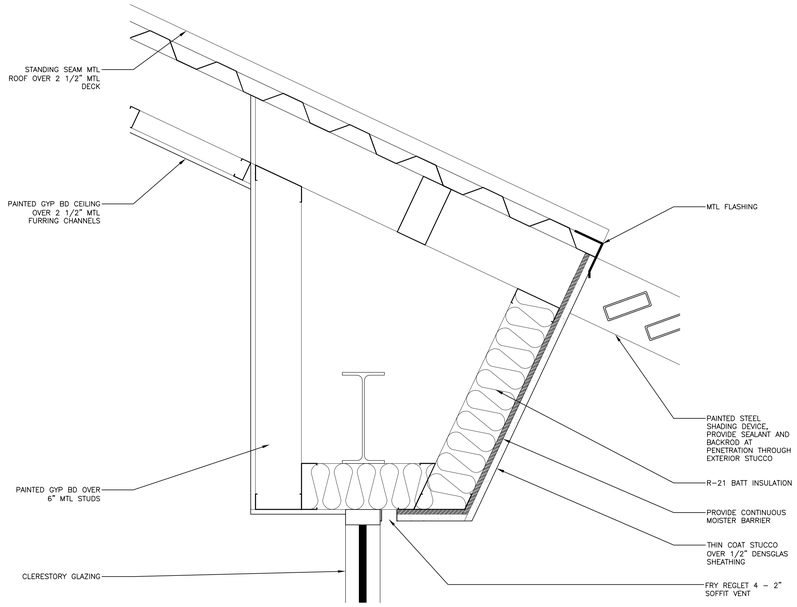


NOTE: GYPSUM BOARD CONTROL JOINTS SHALL BE PROVIDED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS. SUBMIT PROPOSED LOCATIONS FOR APPROVAL.

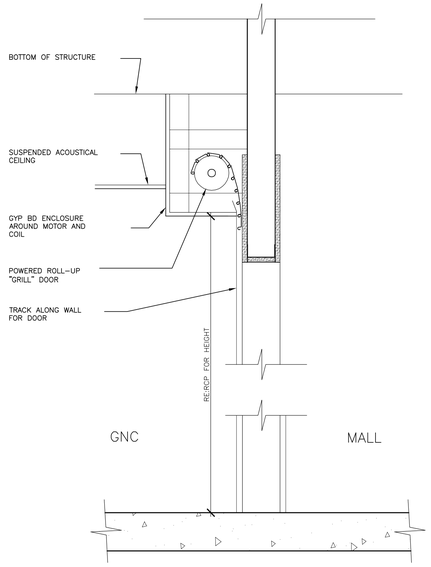
CONTROL JOINTS 3" = 1'-0" 8



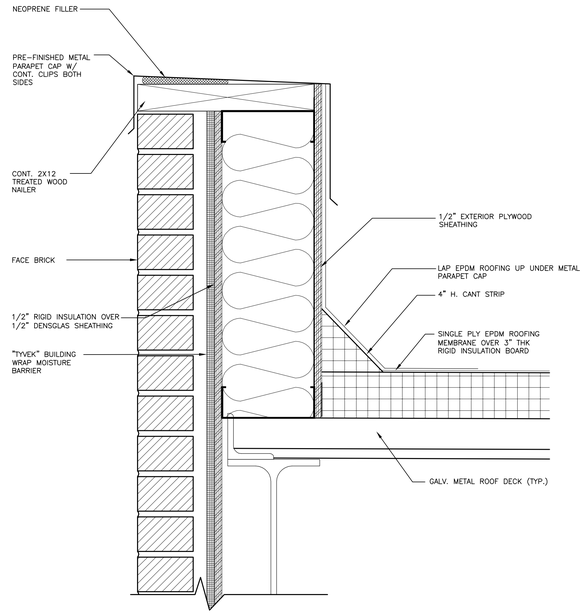
LOWER CANOPY DETAIL 3" = 1'-0" 4



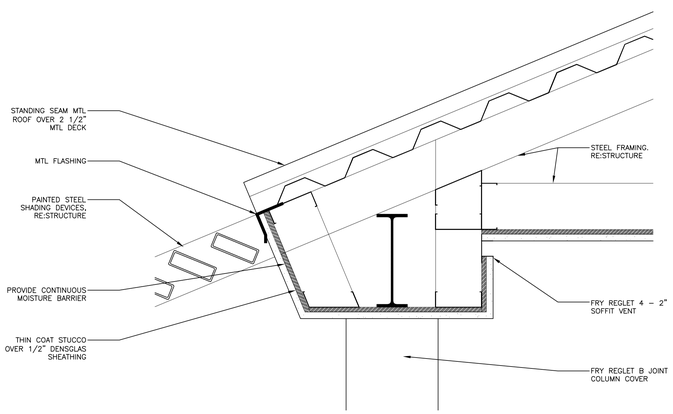
FASCIA DETAIL 1 1/2" = 1'-0" 14



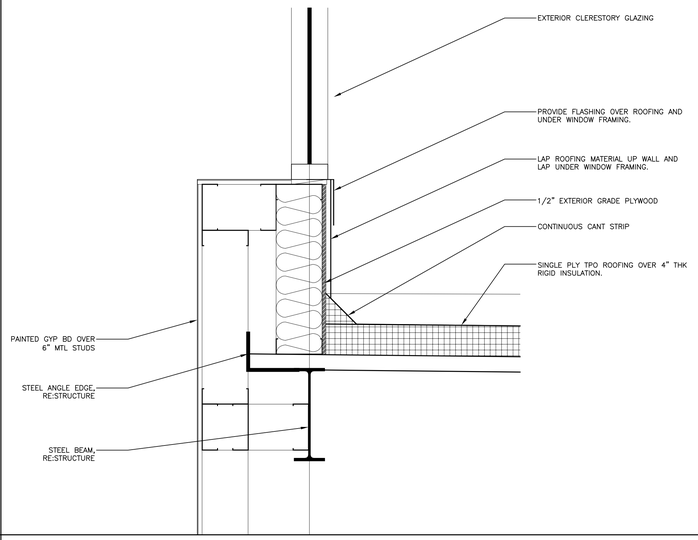
ROLL UP DOOR DETAIL 1 1/2" = 1'-0" 6



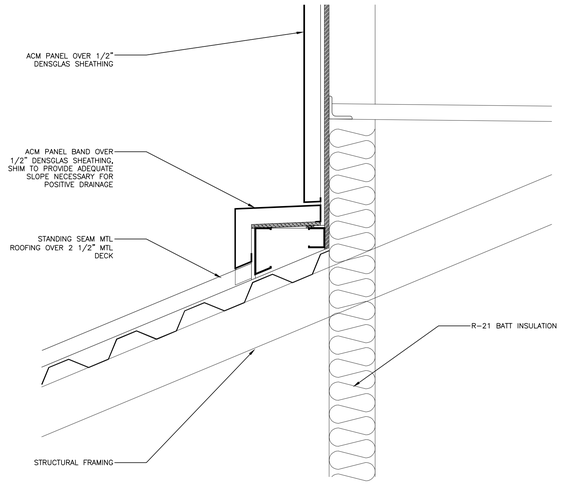
PARAPET DETAIL 3" = 1'-0" 2



SOFFIT DETAIL 1 1/2" = 1'-0" 17



SILL DETAIL 1 1/2" = 1'-0" 9



LOWER ROOF DETAIL 1 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #14473
morris+associates
Build on Our Strengths
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(281) 855-6433
(281) 858-4504 FAX

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

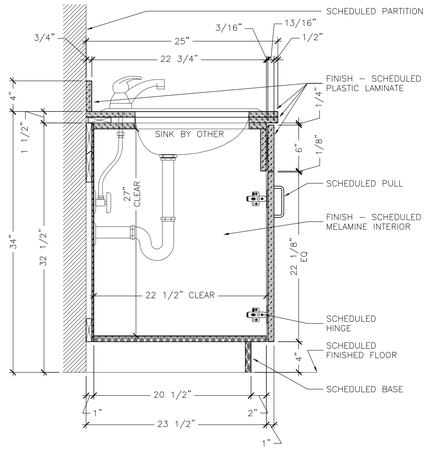
DRAWING TITLE:
DETAILS

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A5.12
DRAWING/PROJECT NO: 0530-06-000005		OF__

6/7/2012 5:11:00 PM

NOT USED NO SCALE 16

NOT USED NO SCALE 12



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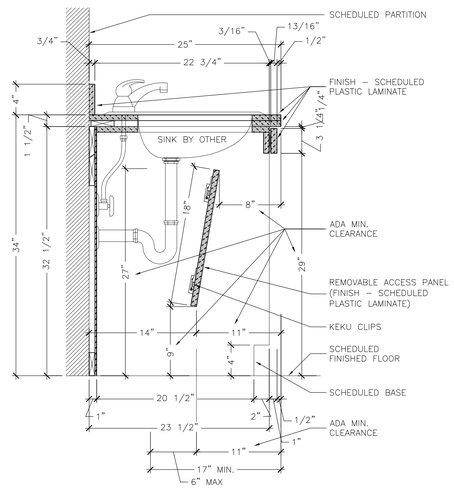

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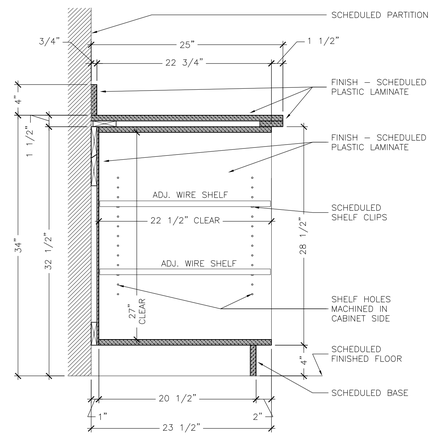

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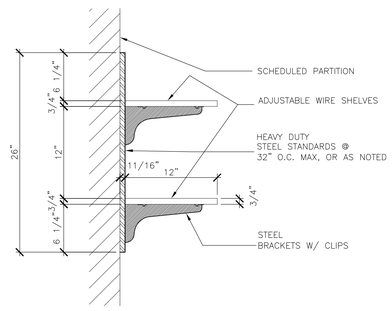
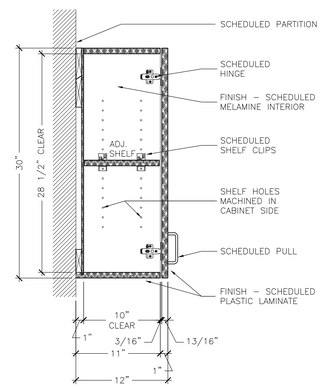


ADJUSTABLE SHELVING 1 1/2"=1'-0" 5



MILLWORK SECTION NO SCALE 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2848

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449

morris+associates
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

MILL WORK DETAILS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A5.20

DRAWING/PROJECT NO: 0530-06-000005

OF

6/7/2012 5:11:11 PM

* SPECIFICATIONS *	
SIZE:	
LENGTH: 21'–1"	HEIGHT: 8'–6½"
WIDTH: 9'–8"	
☐ COOLER	☐ FREEZER ☒ COMBO
FINISH:	
EXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM	
UNEXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM	
INTERIOR WALLS: .040 EMBOSSED ALUMINUM	
INTERIOR CEILINGS: .040 EMBOSSED ALUMINUM	
INTERIOR FREEZER FLOOR: 16GA. STAINLESS STEEL	
INTERIOR COOLER FLOOR: NONE (USE PVC SCREEDS)	
☒ N.S.F. APPROVED ALL COVED CORNER CONSTRUCTION	
☐ INDOOR INSTALLATION	☒ OUTDOOR INSTALLATION
DOORS:	ONE (1) 34" x 77" LHH ONE (1) 34" x 77" LHH

EACH DOOR IS SUPPLIED WITH (1) VAPOR–PROOF LIGHT, (1) LIGHT SWITCH THERMOMETER 3–WAY, (1) AUTOMATIC DOOR CLOSER, (1) SPRING ASSIST ASSEMBLY, 115V. PRESSURE RELIEF PORT & HEATERS IN DOOR FRAME

Refrigeration Schedule:

X AIR COOLED (COOLER) X HOT GAS (FREEZER)

VENTILATION REQUIRED FOR AIR COOLED CONDENSING UNITS WHEN PLACED IN AN ENCLOSED LOCATION–750CFM/HP

POWER 208/230 VOLTS 3 PHASE 60 HERTZ

X CONDENSING UNIT OUTDOOR

X REMOTE X PREASSEMBLED

THE FOLLOWING ITEMS INDICATED ARE INCLUDED:

COND. UNIT:

X SUCTION LINE VIBRATION ELIMINATOR X SIGHT GLASS

X HEAD PRESSURE CONTROL X COND.UNIT COVER X CRANKCASE HEATER

_ PRESSURE RELIEF VALVE X TIME CLOCK

EVAPORATOR:

X TEMP.CONTROL X LIQ.LINE SOLENOID VALVE X EXPANSION VALVE

X HEAT EXCHANGER X DRAIN LINE HEATER (FREEZER ONLY)

X ALL CONDENSATE DRAIN LINE PIPING AND DRAIN LINE HEATING ELEMENT TO BE SUPPLIED AND INSTALLED BY OTHERS.

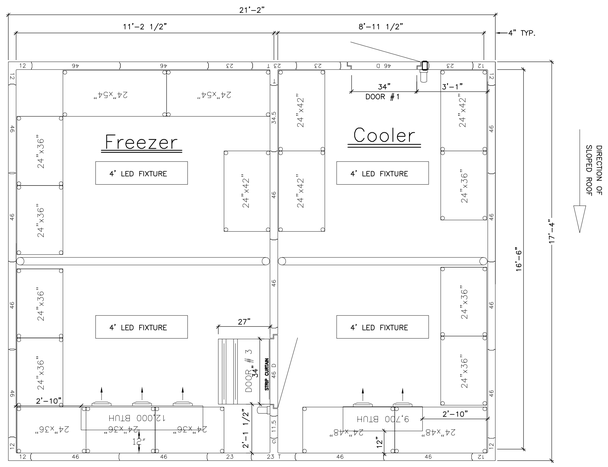
X Compressor has 5– year extended warranty.

Sys. COOLER (+35°F): ERZA20ME1LAD000
Condensing Unit: TAFCO TEMP RIO200M44E (20,250 BTUH)
Unit Ampacity: 12.3 AMPS (R–404A)
Evaporator: TAFCO TEMP SA38–195B–DE (208/230–1–60)
Motor Amps: 1.35 AMPS
Defrost Htr. Amps: ---
*AIR DEFROST CLOCK (SHIP LOOSE)

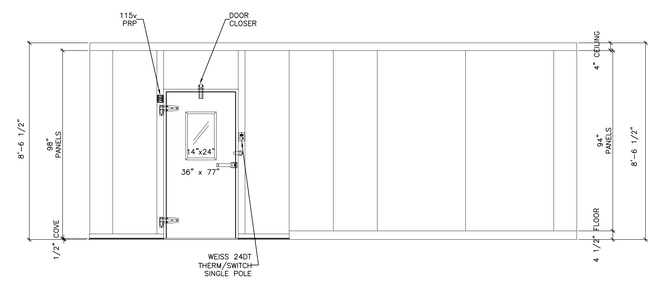
Sys. FREEZER (–10°F): ERZA40LE1LED000*
Condensing Unit: TAFCO TEMP RIO400L44E (16,904 BTUH)
Unit Ampacity: 19.2 AMPS (R–404A)
Evaporator: TAFCO TEMP SE46–185B–DE (208/230–1–60)
Motor Amps: 1.8 AMPS
Defrost Htr. Amps: 17.4 AMPS

ACCESSORY LIST

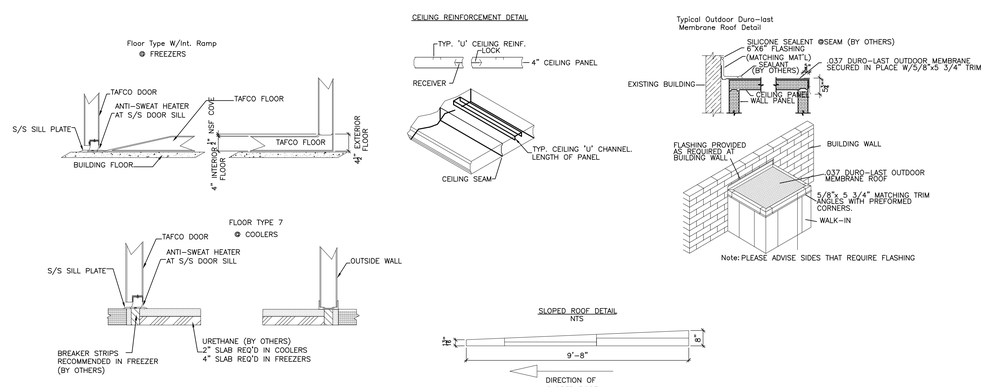
(2) 115v PRESSURE RELIEF PORTS.
(1) SLOPED OUTDOOR MEMBRANE ROOF W/FLASHING (1) 21'–2" SIDE.
(1) LOT OF NON–SKID STRIPS, 4" WIDE (FREEZER COMPT.)
(1) STRIP CURTAINS (FREEZER DOOR).
(2) 4' LED CEILING LIGHT FIXTURES (1 IN EACH CLR & FRZ).
(1) LOT OF U–CHANNEL CEILING SUPPORTS.
(1) 14"x24" VIEWPORT (COOLER DOOR).
(1) INTERIOR S/S RAMP.
(1) LOT OF WIRE STORAGE SHELVING – 4 SHELVES HIGH.
(1) DEFROST TIMER.
(1) DRAINLINE HEATER.
(2) WINTERIZING KITS.
(1) 1 HP 5–YR COMPRESSOR WARRANTY.
(1) 3 HP 5–YR COMPRESSOR WARRANTY.
(1) 1 HP 1–YR LABOR WARRANTY.
(1) 3 HP 1–YR LABOR WARRANTY.
(3) INSTALL KITS.



WALK–IN PLAN 3/8" = 1'–0" 6



WALK–IN ELEVATION 3/8" = 1'–0" 2



WALK–IN DETAILS 3/8" = 1'–0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06–08–12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #1449
morris + associates
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
COOLER LAYOUT

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A6.10
DRAWING/PROJECT NO: 0530-06-000005		OF

* SPECIFICATIONS *

SIZE: LENGTH: 7'-9" HEIGHT: 8'-05"
WIDTH: 5'-10"

[X] **COOLER** [ ] **FREEZER** [ ] **COMBINATION**

FINISH:
EXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM
UNEXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM
INTERIOR WALLS: .040 EMBOSSED ALUMINUM
INTERIOR CEILING: .040 EMBOSSED ALUMINUM
INTERIOR FLOOR: NONE (USE PVC SCREEDS)
OTHER:

[X] **N.S.F. APPROVED ALL COVED CORNER CONSTRUCTION**
[X] INDOOR INSTALLATION [ ] OUTDOOR INSTALLATION

DOORS: ONE (1) 36" x 77" RHH

EACH DOOR IS SUPPLIED W/ (1) VAPORPROOF LIGHT, (1) LIGHT SWITCH / THERMOMETER, (1) AUTOMATIC DOOR CLOSER, (1) SPRING ASSIST ASSEMBLY, 115 V. PRESSURE RELIEF PORT & HEATERS IN DOOR FRAME

Refrigeration Schedule:
X AIR COOLED ___ WATER COOLED
VENTILATION REQUIRED FOR AIR COOLED CONDENSING UNITS WHEN PLACED IN AN ENCLOSED LOCATION-750CFM/HP
POWER 208/230 VOLTS _ 3PHASE __ 60HERTZ
X CONDENSING UNIT OUTDOOR
X REMOTE X PREASSEMBLED
THE FOLLOWING ITEMS INDICATED ARE INCLUDED:
COND. UNIT:
X SUCTION LINE VIBRATION ELIMINATOR X SIGHT GLASS X DRIER
X HEAD PRESSURE CONTROL X COND.UNIT COVER X CRANKCASE HEATER
_ PRESSURE RELIEF VALVE X TIME CLOCK
EVAPORATOR:
X TEMP.CONTROL X LIQ.LINE SOLENOID VALVE X EXPANSION VALVE
X HEAT EXCHANGER_ DRAIN LINE HEATER (FREEZER ONLY)
X ALL CONDENSATE DRAIN LINE PIPING AND DRAIN LINE HEATING ELEMENT TO BE SUPPLIED AND INSTALLED BY OTHERS.

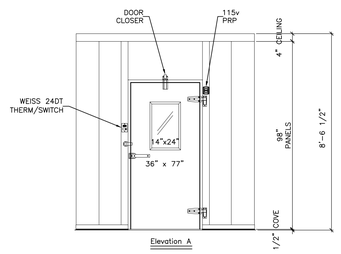
X Compressor has 5- year extended warranty.

Sys. COOLER (+35°F): TRSA0091M431LA1*0*
Condensing Unit: TAFCO-TEMP TRSA0091M43 (9,080 BTUH)
Unit Ampacity: 15.0 AMPS (R-404A)
Evaporator: TAFCO-TEMP LA28-97 (115-1-60)
Motor Amps: 1.8 AMPS
Defrost Htr. Amps: --
*AIR DEFROST CLOCK (SHIP LOOSE)

ACCESSORY LIST
[1] 115v PRESSURE RELIEF PORT.
[1] 4' LED CEILING LIGHT FIXTURE.
[1] 14"x24" VIEWPORT.
[1] LOT OF WIRE SHELVING - 4 SHELVES HIGH.
[1] DEFROST TIMER.
[1] WINTERIZING KIT.
[1] 1HP 5-YR COMPRESSOR WARRANTY.
[1] 1HP 1-YR LABOR WARRANTY.
[2] INSTALL KITS.

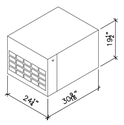
NOTES:
1. Allow minimum 2" clearance around all sides of box, between box walls, and any adjacent construction.
2. Shim and level floor panels or floor screeds prior to erecting wall and ceiling panels.
3. Shimming, leveling, or grouting due to uneven existing floor level, to be supplied by others.

ALL ELEVATIONS ARE EXTERIOR VIEWS

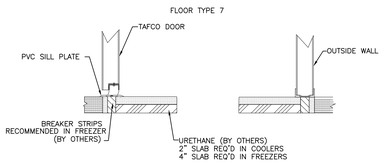


Elevation A

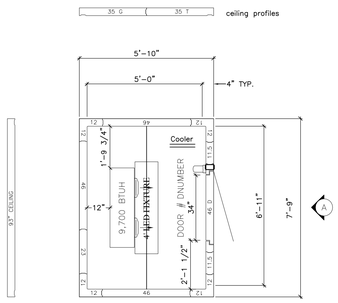
WALK-IN ELEVATION 3/8" = 1'-0" 2



CONDENSING UNIT



WALK-IN DETAILS 3/8" = 1'-0" 5



Plan View

WALK-IN COOLER PLAN 3/8" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: --

FIRM #1449
morris+associates
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CYPRESS, TX. 77429
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
COOLER LAYOUT

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A6.11

DRAWING/PROJECT NO: 0530-06-000005
OF

" SPECIFICATIONS "

SIZE:

LENGTH: 74'-10" HEIGHT: 8'-6½"

WIDTH: 43'-2½"

☐ COOLER ☐ FREEZER ☒ 6-COMPARTMENT

FINISH:

EXPOSED EXTERIOR:	.040 EMBOSSED ALUMINUM
UNEXPOSED EXTERIOR:	.040 EMBOSSED ALUMINUM
INTERIOR WALLS:	.040 EMBOSSED ALUMINUM
INTERIOR CEILINGS:	.040 EMBOSSED ALUMINUM
INTERIOR FREEZER FLOOR:	16GA. GALV. STEEL (NON-NSF)
INTERIOR COOLER FLOOR:	NONE (FLAT BOTTOM WALLS)

☒ N.S.F. APPROVED ALL COVED CORNER CONSTRUCTION

☐ INDOOR INSTALLATION ☒ OUTDOOR INSTALLATION

DOORS: ONE (1) 42" x 77" LHH
ONE (1) 36" x 77" RHH

EACH DOOR IS SUPPLIED WITH (1) VAPOR-PROOF LIGHT, (1) LIGHT SWITCH / TIMER, (1) 2" THERMOMETER, (1) AUTOMATIC DOOR CLOSER, (1) SPRING ASSIST ASSEMBLY, 115V. PRESSURE RELIEF PORT & HEATERS IN DOOR FRAME

Refrigeration Schedule:

X AIR COOLED (COOLER) X HOT GAS (FREEZER)

VENTILATION REQUIRED FOR AIR COOLED CONDENSING UNITS WHEN PLACED IN AN ENCLOSED LOCATION-750CFM/HP

POWER 208/230 VOLTS 3 PHASE 60 HERTZ

X CONDENSING UNIT OUTDOOR

X REMOTE X PREASSEMBLED

THE FOLLOWING ITEMS INDICATED ARE INCLUDED:

COND. UNIT:

X SUCTION LINE VIBRATION ELIMINATOR X SIGHT GLASS
X HEAD PRESSURE CONTROL X COND.UNIT COVER X CRANKCASE HEATER
_ PRESSURE RELIEF VALVE X TIME CLOCK

EVAPORATOR:

X TEMP.CONTROL X LIQ.LINE SOLENOID VALVE X EXPANSION VALVE
X HEAT EXCHANGER X DRAIN LINE HEATER(FREEZER ONLY)

X ALL CONDENSATE DRAIN LINE PIPING AND DRAIN LINE HEATING ELEMENT TO BE SUPPLIED AND INSTALLED BY OTHERS.

X Compressor has 5- year extended warranty.

Sys. COOLER (+35°F): ERZA20ME1LAD000
Condensing Unit: (3) TAFCO TEMP RIO200M44E (20,250 BTUH)
Unit Ampacity: 12.3 AMPS (R-404A)
Evaporator: (3) TAFCO TEMP SA38-195B-DE (208/230-1-60)
Motor Amps: 1.35 AMPS
Defrost Htr. Amps: ---
*AIR DEFROST CLOCK (SHIP LOOSE)

Sys. FREEZER (-10°F): ERZA40LE1LED000
Condensing Unit: (3) TAFCO TEMP RIO400L44E (11,860 BTUH)
Unit Ampacity: 19.2 AMPS (R-404A)
Evaporator: (3) TAFCO TEMP SE46-185B-DE (208/230-1-60)
Motor Amps: 1.8 AMPS
Defrost Htr. Amps: 17.4 AMPS

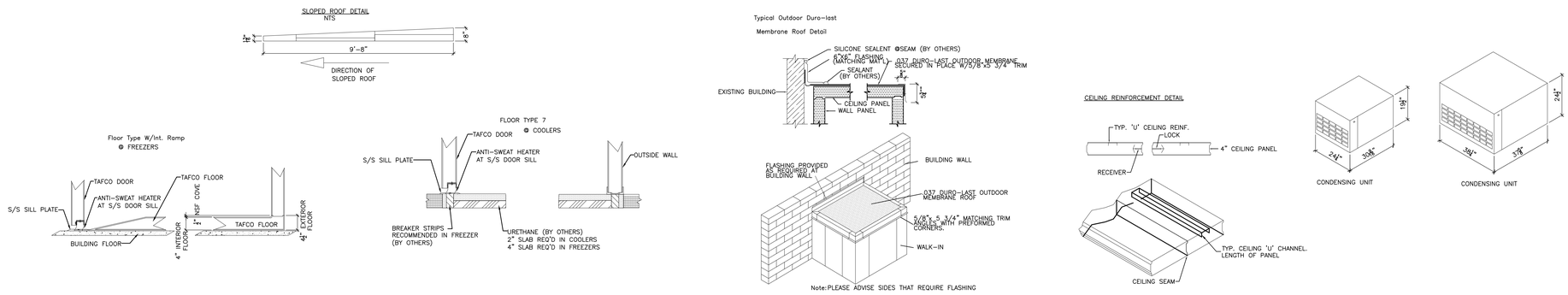
ACCESSORY LIST

[6] 115v PRESSURE RELIEF PORTS.
[1] SLOPED OUTDOOR MEMBRANE ROOF W/FLASHING (1) 63'-4" SIDE.
[3] LOT OF NON-SKID STRIPS, 4" WIDE (FREEZER COMPTS.)
[3] STRIP CURTAINS (FREEZER DOORS).
[6] 4' LED CEILING LIGHT FIXTURES (1 IN EACH CLR & FRZ).
[1] LOT OF U-CHANNEL CEILING SUPPORTS.
[3] 14"x24" VIEWPORTS (COOLER DOORS).
[3] INTERIOR S/S RAMPS.
[1] LOT OF WIRE STORAGE SHELVING - 4 SHELVES HIGH.
[3] DEFROST TIMERS.
[3] DRAIN LINE HEATERS.
[6] WINTERIZING KITS.
[3] 1 HP 5-YR COMPRESSOR WARRANTIES.
[3] 3 HP 5-YR COMPRESSOR WARRANTIES.
[3] 1 HP 1-YR LABOR WARRANTIES.
[3] 3 HP 1-YR LABOR WARRANTIES.
[5] INSTALL KITS.

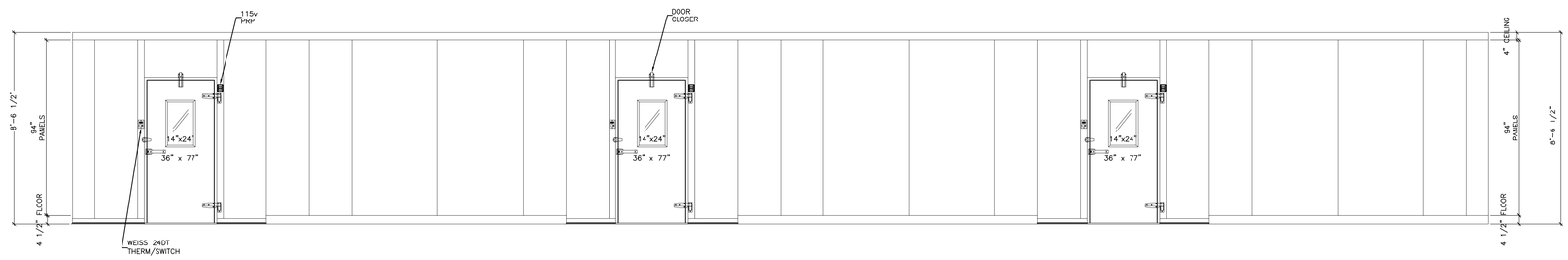
NOTES:

1. Allow minimum 2" clearance around all sides of box, between box walls, and any adjacent construction.
2. Shim and level floor panels or floor screeds prior to erecting wall and ceiling panels.
3. Shimming, leveling, or grouting due to uneven existing floor level, to be supplied by others.

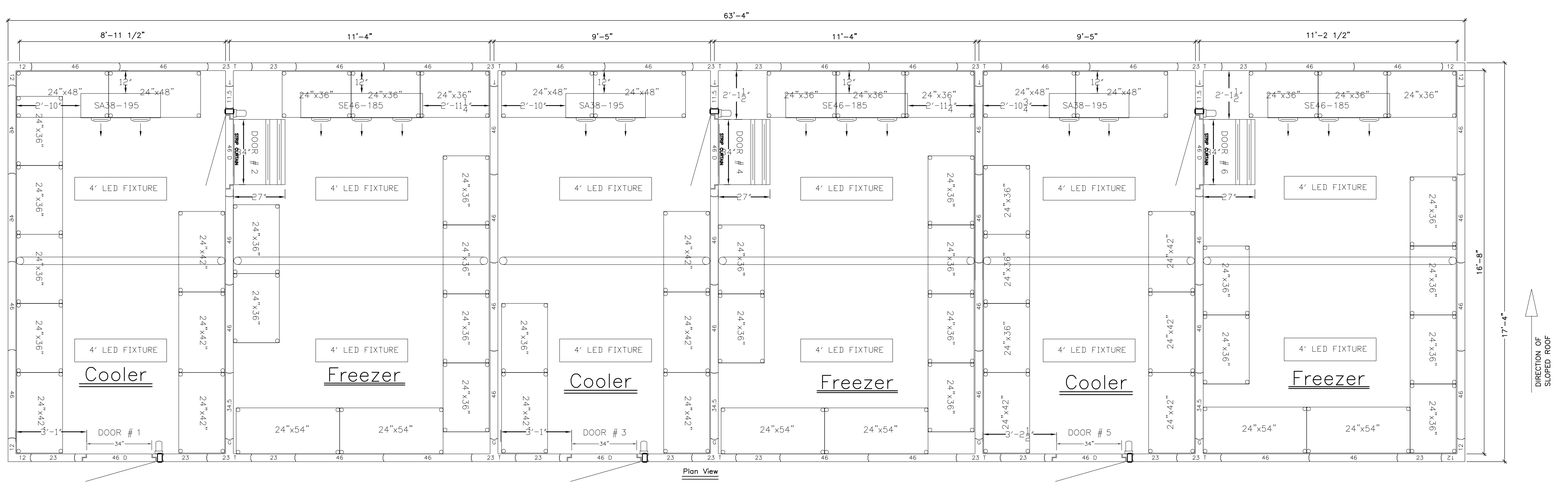
ALL ELEVATIONS ARE EXTERIOR VIEWS



WALK-IN DETAILS 3/8" = 1'-0" 3



WALK-IN ELEVATION 3/8" = 1'-0" 2



WALK-IN PLAN 3/8" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2 16 10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1442
morris+associates
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PROJECT:

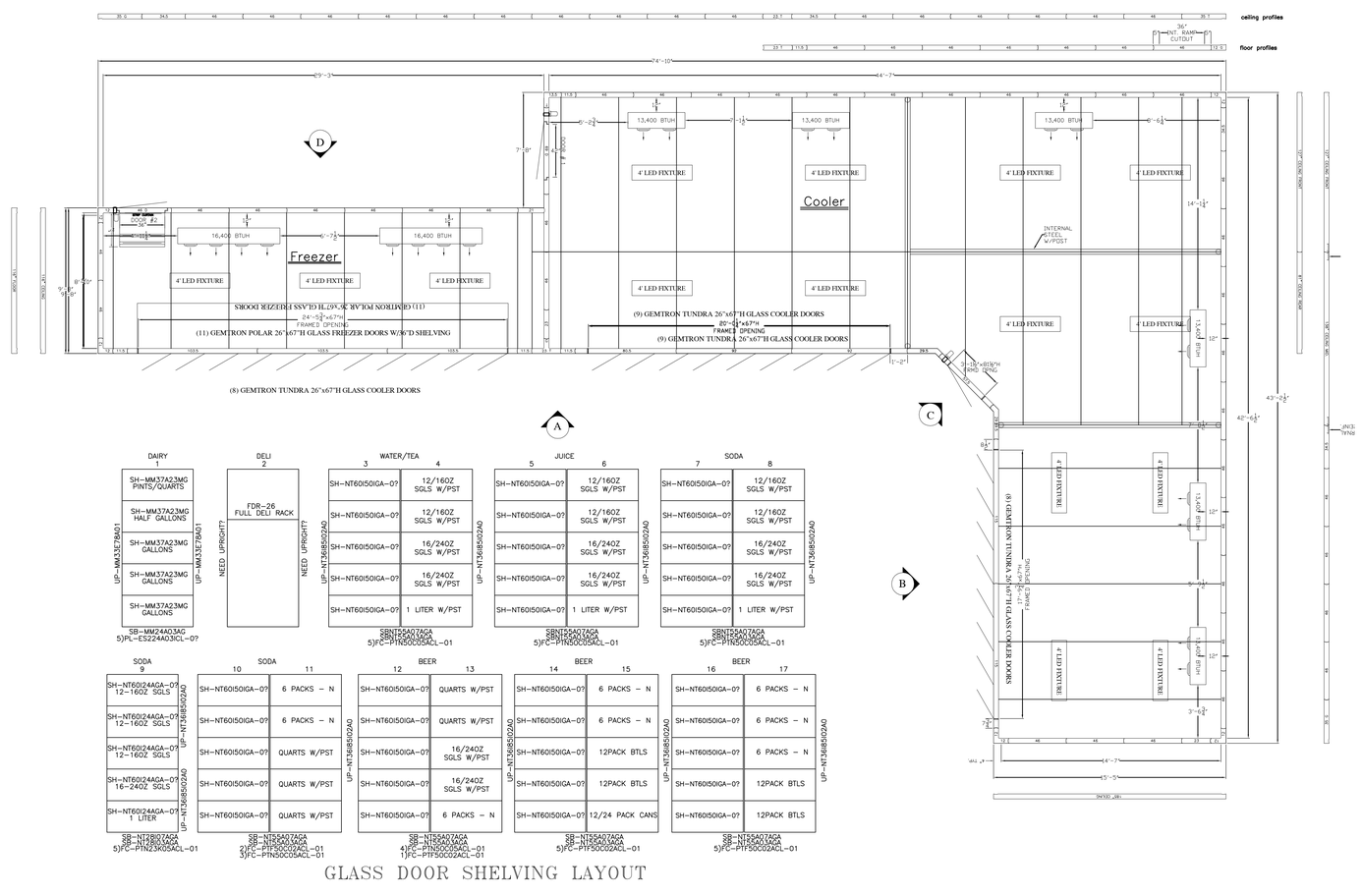
82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

COOLER LAYOUT

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A6.12
DRAWING/PROJECT NO: 0530-06-000005		OF



GLASS DOOR SHELVING LAYOUT

WALK-IN PLAN 1/4" = 1'-0" 7

" SPECIFICATIONS "

SIZE:
LENGTH: 74'-10" HEIGHT: 8'-6½"
WIDTH: 43'-2½"

☐ COOLER ☐ FREEZER ☒ COMBINATION

FINISH:
EXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM
UNEXPOSED EXTERIOR: .040 EMBOSSED ALUMINUM
INTERIOR WALLS: .040 EMBOSSED ALUMINUM
INTERIOR CEILINGS: .040 EMBOSSED ALUMINUM
INTERIOR FREEZER FLOOR: 16GA. GALV. STEEL (NON-NSF)
INTERIOR COOLER FLOOR: NONE (FLAT BOTTOM WALLS)

☒ N.S.F. APPROVED ALL COVED CORNER CONSTRUCTION
☒ INDOOR INSTALLATION ☐ OUTDOOR INSTALLATION

DOORS: ONE (1) 42" x 77" LHH
ONE (1) 36" x 77" RHH
EACH DOOR IS SUPPLIED WITH (1) VAPOR PROOF LIGHT, (1) LIGHT SWITCH / TIMER, (1) 2" THERMOMETER, (1) AUTOMATIC DOOR CLOSER, (1) SPRING ASSIST ASSEMBLY, 115V. PRESSURE RELIEF PORT & HEATERS IN DOOR FRAME

ACCESSORY LIST

[1] 115v PRESSURE RELIEF PORT.
[1] LOT OF NON-SKID STRIPS, 4" WIDE.
[1] STRIP CURTAIN (FREEZER DOOR).
[15] 4' LED CEILING LIGHT FIXTURES (12 IN COOLER, 3 IN FREEZER).
[1] INTERIOR S/S RAMP.
[1] LOT OF CEILING HANGER CLIPS.
[1] LOT OF WALL TO FLOOR CLIPS.
[1] LOT OF U-CHANNEL CEILING SUPPORTS.
[28] RUBBER FLOOR MATS.
[1] 14"x24" VIEWPORT (BACK COOLER DOOR).
[1] LOT OF INTERNAL STEEL & BEAMS.
[1] 3'-1½"x81 ⅛"H FRAMED OPENING.
[1] 36"x81"H GEMTRON TUNDRA FULL GLASS ENTRANCE DOOR W/WEISS 240T 3-WAY THERM/SWITCH, & LIGHT.
[1] 24'-5 ¾"x67"H FRAMED OPENING.
[1] 20'- ¼"x67"H FRAMED OPENING.
[1] 17'-9 ¾"x67"H FRAMED OPENING.
[17] 26"x67"H GEMTRON TUNDRA GLASS COOLER DOORS W/LED LIGHTING AND MOTION SENSORS.
[11] 26"x67"H GEMTRON POLAR GLASS FREEZER DOORS W/LED LIGHTING, 36"D SHELVES; ANTI-CONDENSATE CONTROLLER WITH RELAY, MOTION SENSORS.
[1] LOT OF GRAVITY FEED SHELVES.
[1] LOT OF WIRE STORAGE SHELVING (5-24"x48" SHELVES-4 SHELVES HIGH).
[2] DEFROST TIMERS FOR COOLER.
[2] DRAIN LINE HEATERS.
[4] WINTERIZING KITS.
[4] 4HP 5-YR COMPRESSOR WARRANTIES.
[4] 4 HP 1-YR LABOR WARRANTIES.
[8] INSTALL KITS.
[2] AIR DEFLECTORS-FREEZER COILS.

Refrigeration Schedule:
☒AIR COOLED (COOLER) ☒HOT GAS (FREEZER)
VENTILATION REQUIRED FOR AIR COOLED CONDENSING UNITS WHEN PLACED IN AN ENCLOSED LOCATION-750CFM/HP
POWER 208/230 VOLTS 3 PHASE 60 HERTZ
☒CONDENSING UNIT OUTDOOR
☒REMOTE ☒PREASSEMBLED
THE FOLLOWING ITEMS INDICATED ARE INCLUDED:
COND. UNIT:
☒SUCTION LINE VIBRATION ELIMINATOR ☒SIGHT GLASS ☒DRIER
☒HEAD PRESSURE CONTROL ☒COND.UNIT COVER ☒CRANKCASE HEATER
☒PRESSURE RELIEF VALVE ☒TIME CLOCK
EVAPORATOR:
☒TEMP.CONTROL ☒LIQ.LINE SOLENOID VALVE ☒EXPANSION VALVE
☒HEAT EXCHANGER ☒DRAIN LINE HEATER (FREEZER ONLY)
☒ALL CONDENSATE DRAIN LINE PIPING AND DRAIN LINE HEATING ELEMENT TO BE SUPPLIED AND INSTALLED BY OTHERS.
☒Compressor has 5- year extended warranty.

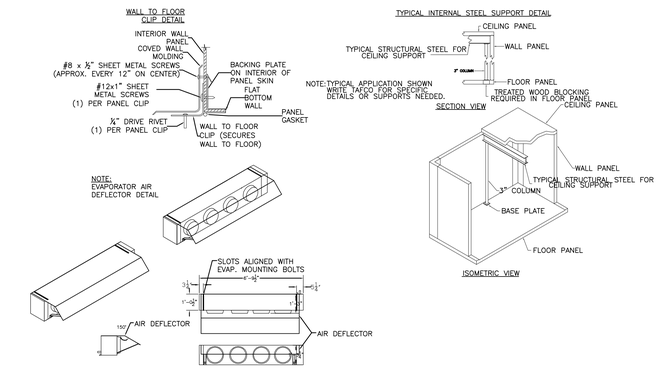
SysDOOLER (+35°F): TRZA0409M433LA1*0*
Condensing Unit:(2) TAFCO TEMP TRZA0409M43 (40,850 BTUH)
Unit Ampacity: 23.0 AMPS EACH (R-404A)
Evaporator:(6) TAFCO TEMP LA28-134 (115-1-60)
Motor Amps:1.8 AMPS EACH
Defrost Htr. Amps:---
*AIR DEFROST CLOCKS (SHIP LOOSE)

SysFREEZER (-10°F): ERZH0170L431LG220*
Condensing Unit:(2) ECO-TEMP ERZH0170L43 (17,010 BTUH)
Unit Ampacity:35.0 AMPS (R-404A)
Evaporator:(2) LG48-164 (208/230-1-60)
Motor Amps: 3.6 AMPS
Defrost Htr. Amps:17.4 AMPS

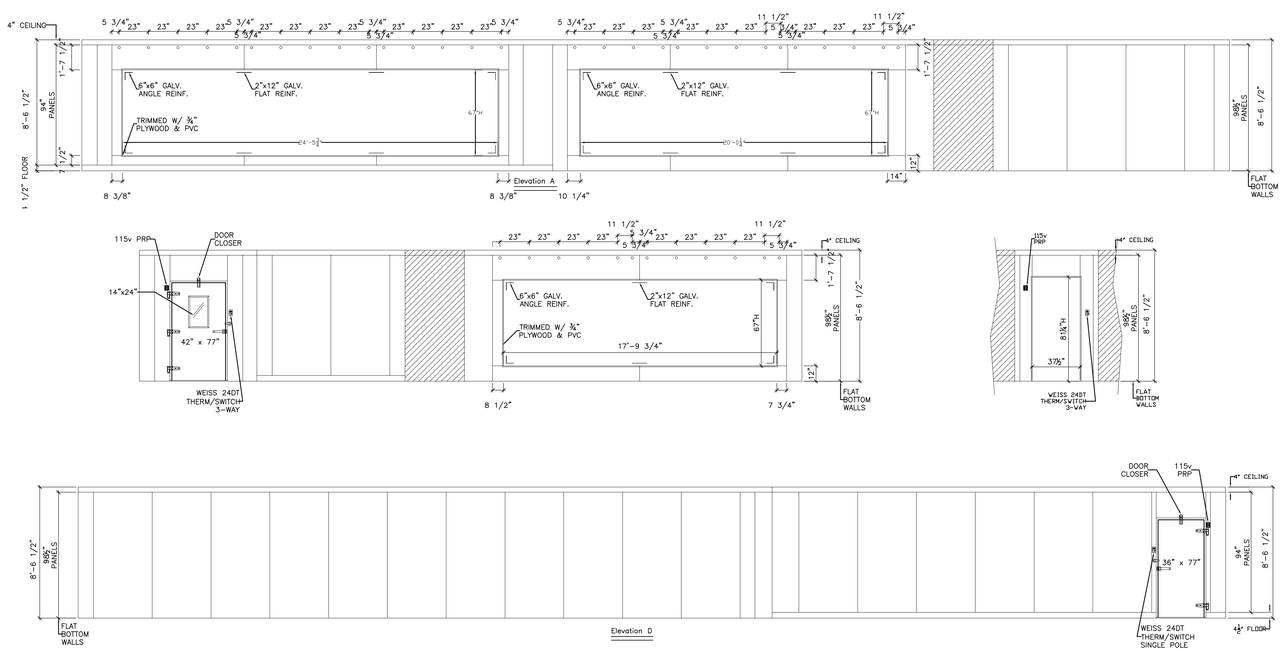
NOTES:
1. Allow minimum 2" clearance around all sides of box, between box walls, and any adjacent construction.
2. Shim and level floor panels or floor screeds prior to erecting wall and ceiling panels.
3. Shimming, leveling, or grouting due to uneven existing floor level, to be supplied by others.

ALL ELEVATIONS ARE EXTERIOR VIEWS

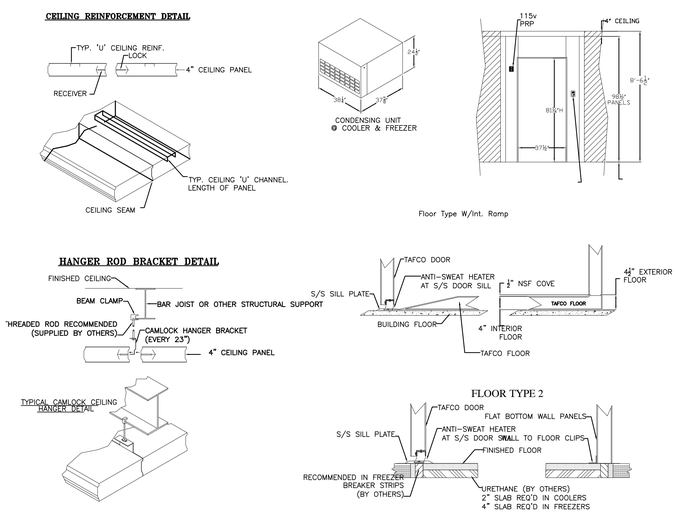
GENERAL NOTES 1/4" = 1'-0" 4



WALK-IN DETAILS 1/4" = 1'-0" 3



WALK-IN ELEVATIONS 1/4" = 1'-0" 5



WALK-IN DETAILS 1/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHNNO LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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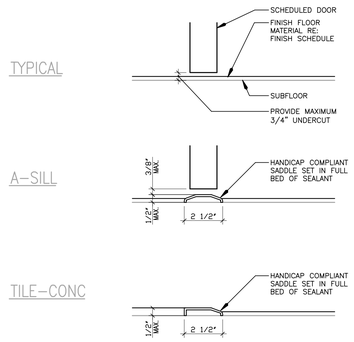
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
COOLER LAYOUT

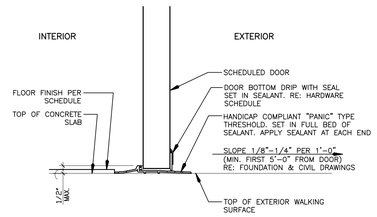
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A6.13

DRAWING/PROJECT NO: 0530-06-000005 OF

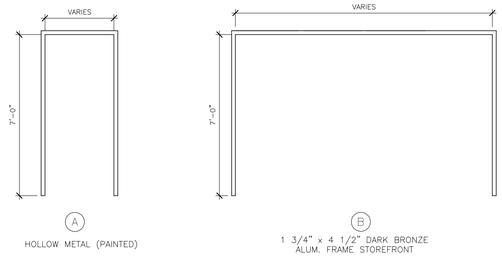
6/7/2012 5:12:03 PM



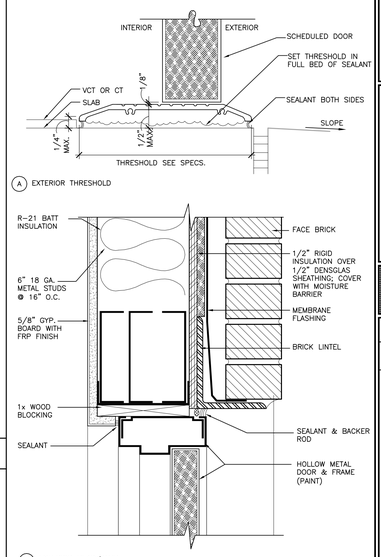
TYPICAL INTERIOR THRESHOLD 3"=1'-0" 12



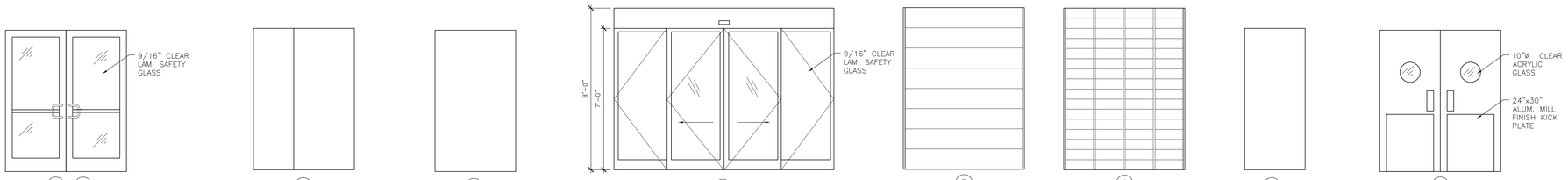
TYPICAL EXTERIOR THRESHOLD 3"=1'-0" 8



DOOR FRAME TYPES 3/8"=1'-0" 4



DOOR & FRAME DETAILS 3"=1'-0" 6



DOOR TYPES 3/8"=1'-0" 3

HARDWARE NOTES:

1. ALL DOOR HARDWARE WILL ADHERE TO THE STANDARDS DICTATED BY THE AMERICANS WITH DISABILITIES ACT (ADA).
2. PROVIDE ALL EXTERIOR DOORS WITH ALUMINUM THRESHOLDS & JAMB WEATHERSTRIPPING. THRESHOLD HEIGHT SHALL NOT EXCEED 1/2" HEIGHT.
3. FINISHES FOR HARDWARE SHALL BE BRUSHED US 26 ALUM.(US26D) OR S.S. (US32D) ON ALL DOORS. STOREFRONT HARDWARE SUCH AS CLOSERS, HINGES, KEYED CYLINDER LOCK, SHOULD BE IN A FINISH TO MATCH STOREFRONT DARK BRONZE. ALUM FINISH.

DOOR SCHEDULE

NO.	QTY.	SIZE	DOOR TYPE	MANFACTURER	HDW. TYPE	FRAME TYPE	REMARKS
101A	1	(2) 3'-0" x 8'-0" x 1 3/4" DUAL SLIDERS	4	STANLEY DG3000 SERIES W/ STAN. GUARD	4	B	FRONT ENTRANCE, INSTALL PER MFTR REQUIREMENTS: 9/16" CLEAR LAM. GLASS
101B	1	3'-0" x 7'-0"	3	REPUBLIC OR EQUAL	9	A	PAINT DOOR & FRAME TO MATCH WALLS
101C	1	3'-0" x 7'-0"	3	REPUBLIC OR EQUAL	9	A	PAINT DOOR & FRAME TO MATCH WALLS
102A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	6	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
103A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	6	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
104A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
105A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	8	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
106A	1	(2) 3'-0" x 7'-0"	8	ELIASON "HCP" SERIES	12	A	10"ø ACRYLIC VIEW LITE W/ KICK PLATES & PUSH PLATES BOTH SIDES
106B	1	4'-0" x 7'-0" 2'-0" x 7'-0"	2	REPUBLIC OR EQUAL	7	A	5 3/4" FRAME WIDTH; PAINT EXT. DOOR & FRAME TO MATCH EXTERIOR, PEEP HOLE
106C	1	(2) 3'-0" x 7'-0"	8	ELIASON "HCP" SERIES	12	A	10"ø ACRYLIC VIEW LITE W/ KICK PLATES & PUSH PLATES BOTH SIDES
107A	1	(2) 3'-0" x 7'-0"	3	REPUBLIC OR EQUAL	10	A	PAINT DOOR & FRAME TO MATCH WALLS
108A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
109A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
110A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
110.1A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
111A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	6	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
113A	1	(2) 3'-0" x 7'-0"	8	ELIASON "HCP" SERIES	12	A	10"ø ACRYLIC VIEW LITE W/ KICK PLATES & PUSH PLATES BOTH SIDES
115A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
116A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
116B	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
117A	1	3'-0" x 7'-0"	1	YKK	1	B	BARBER SHOP ENTRY, INSTALL PER MANUFACTURERS REQUIREMENTS.
118A	1	6'-0" x 8'-0"	6	RAYNOR	–	A	AUTOMATIC ROLL UP GRILLE DOOR W/ ELECTRIC MOTORIZED OPERATOR, WALL MOUNTED KEYED SWITCH
118B	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
119A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
121A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
125A	1	(2) 3'-0" x 7'-0"	8	ELIASON "HCP" SERIES	12	A	10"ø ACRYLIC VIEW LITE W/ KICK PLATES & PUSH PLATES BOTH SIDES
125B	1	4'-0" x 7'-0" 2'-0" x 7'-0"	2	REPUBLIC OR EQUAL	7	A	5 3/4" FRAME WIDTH; PAINT EXT. DOOR & FRAME TO MATCH EXTERIOR, PEEP HOLE
125C	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
131A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
132A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	5	A	PAINT INT. DOOR & FRAME TO MATCH WALLS, W/ PEEP HOLE
132B	1	3'-0" x 7'-0"	3	REPUBLIC OR EQUAL	9	A	PAINT DOOR & FRAME TO MATCH WALLS
135A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	6	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
136A	1	3'-0" x 7'-0"	7	REPUBLIC OR EQUAL	6	A	PAINT INT. DOOR & FRAME TO MATCH WALLS
137A-F	6	(2) 3'-0" x 8'-0" x 1 3/4" DUAL SLIDERS	4	STANLEY DG3000 SERIES W/ STAN. GUARD	4	B	FRONT ENTRANCE, INSTALL PER MFTR REQUIREMENTS: 9/16" CLEAR LAM. GLASS
138A	1	3'-0" x 7'-0"	1	YKK	1	B	SIDE ENTRANCE, INSTALL PER MFTR REQUIREMENTS: 9/16" CLEAR LAM. GLASS W/ GLASS TRANSOM ABOVE DOOR
138B	1	6'-0" x 8'-0"	6	RAYNOR	–	A	AUTOMATIC ROLL UP GRILLE DOOR W/ ELECTRIC MOTORIZED OPERATOR, WALL MOUNTED KEYED SWITCH
138C	1	6'-0" x 8'-0"	5	RAYNOR	–	A	AUTOMATIC ROLL UP FIRE DOOR W/ ELEC. MOTORIZED OPERATOR, SMOKE/HEAT SENSOR, WALL MOUNTED KEYED SWITCH

DOOR SCHEDULE NTS 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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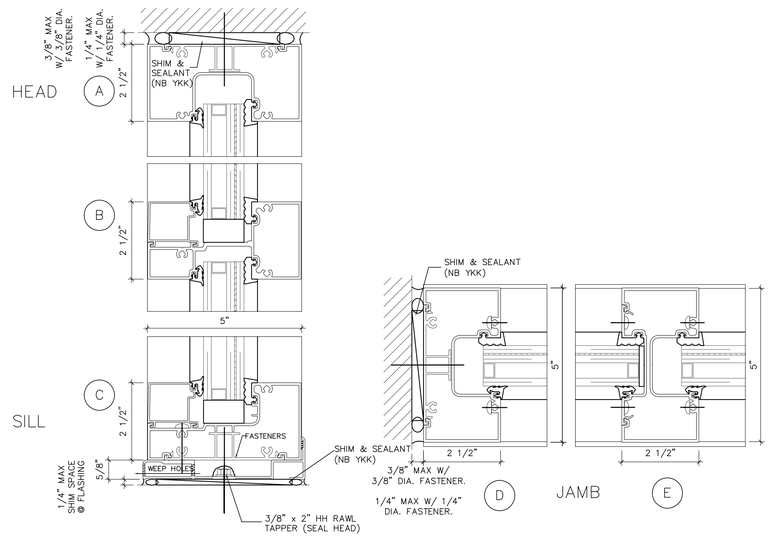
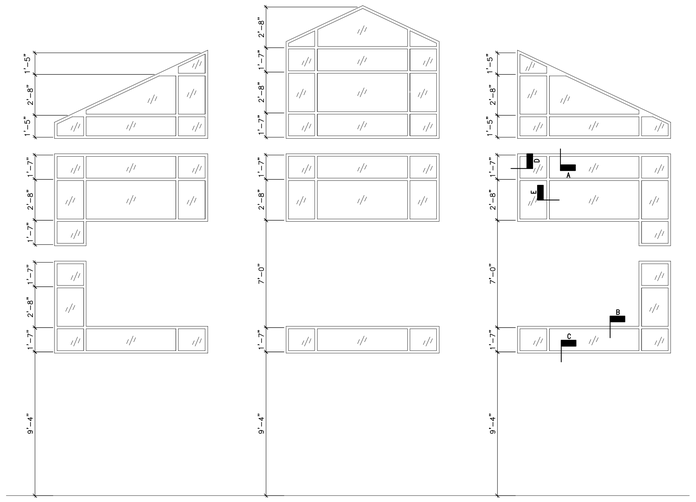
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

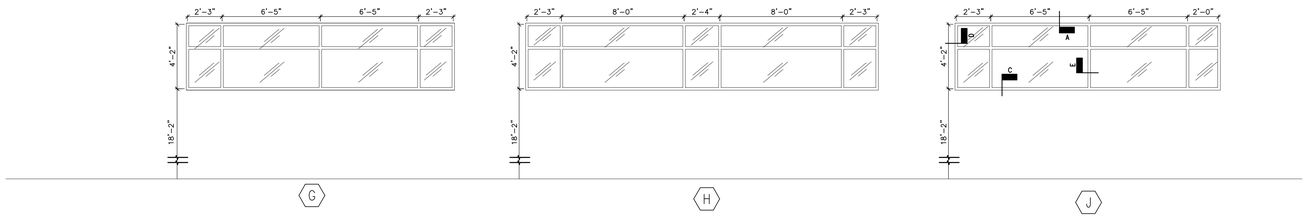
DRAWING TITLE:
DOOR AND FRAME SCHEDULE

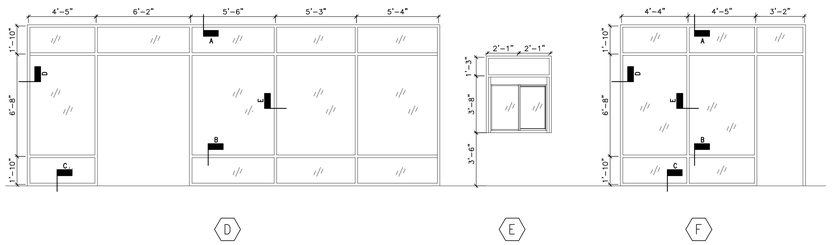
DATE: 06/08/12
SCALE: AS SHOWN
SHEET: A7.10
DRAWING/PROJECT NO: 0530-06-000005
OF

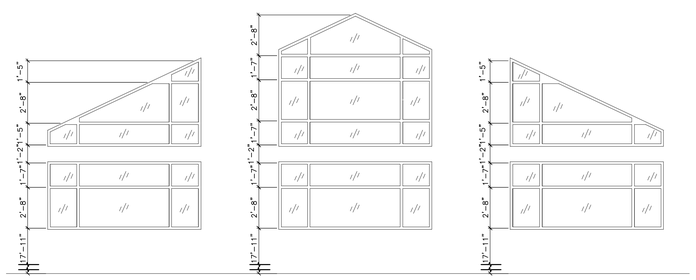


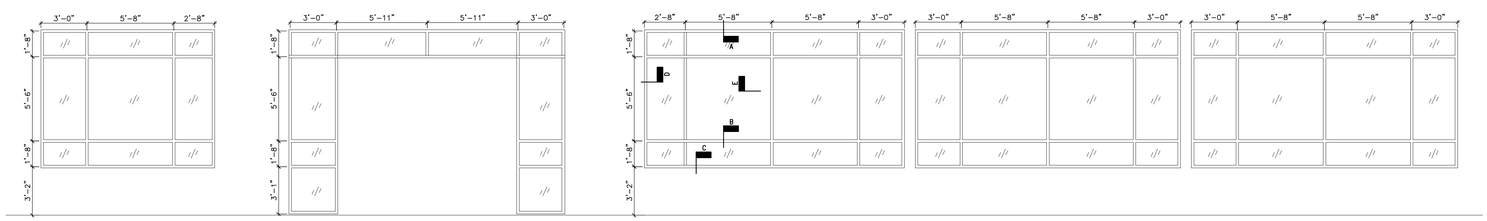
YKK YHS 50FI STOREFRONT DETAILS 6" = 1'-0" | 4











STOREFRONT NOTES:

1. STOREFRONT FRAME TO BE YKK YHS 50 FI, CENTER GLAZED, DARK BRONZE ALUM. FRAME
2. GLASS TO BE 1 5/16" INSULATED CLEAR LAMINATED WITH LOW E COATING W/ OUTBOARD PANEL TO BE 9/16" LAMINATED CLEAR
3. CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS PRIOR TO SHOP DRAWING ISSUANCE OR FABRICATION.
4. STOREFRONT SUB-CONTRACTOR TO PROVIDE ALL SUB SILLS AND ASSOCIATED STOREFRONT ACCESSORIES.

STOREFRONT FRAMING 1/4" = 1'-0" | 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
WINDOW SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS NOTED	A7.20
DRAWING/PROJECT NO: 0530-06-000005		OF

6/7/2012 5:12:28 PM

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101	SALES	CONC.	FT1	RES	–	GB	PNT	STR	PNT4	–
102	MEN'S RESTROOM	CONC.	FT1	WT1	–	CT1/CT2	–	GB	PNT1	RE:INTERIOR ELEVATIONS FOR TILE PATTERN
103	WOMEN'S RESTROOM	CONC.	FT1	WT1	–	CT1/CT2	–	GB	PNT1	RE:INTERIOR ELEVATIONS FOR TILE PATTERN
104	JAN	CONC.	FT1	RES	–	FRP	–	ACT2	–	–
105	OFFICE	CONC.	CPT	RES	–	GB	PNT1	ACT1	–	–
106	MPA	CONC.	SEALED	RES	–	GB/PLY	PNT1	STR	PNT4	RE:A1.13 FOR WALL FINISH EXTENTS
107	ELEC/MECH	CONC.	SEALED	RES	–	GB	–	STR	–	NO FINISH ON CEILING
108	BREAK ROOM	CONC.	VCT	RES	–	GB	PNT	ACT2	–	–
109	BREAK/TRAINING ROOM	CONC.	VCT	RES	–	GB	PNT	ACT1	–	–
110	OFFICE	CONC.	VCT	RES	–	GB	PNT	ACT1	–	–
111	RESTROOM	CONC.	FT1	WT1	–	GB	WT1/WT2	GB	PNT1	RE:INTERIOR ELEVATIONS FOR TILE PATTERN
112	FREEZER	CONC.	PANEL	–	–	PANEL	–	PANEL	–	–
113	MPA	CONC.	SEALED	RES	–	GB/PLY	PNT	STR	PNT4	RE:A1.13 FOR WALL FINISH EXTENTS
114	WALK-IN COOLER	CONC.	SEALED	–	–	PANEL	–	PANEL	–	–
115	STORAGE	CONC.	FT1	FT1	–	GB	PNT	ACT1	–	–
116	ELEC	CONC.	SEALED	RES	–	GB	–	STR	–	NO FINISH ON CEILING
116.1	ATM	CONC.	SEALED	RES	–	GB	PNT	STR	PNT4	–
117	BARBER	CONC.	FT1	RES	–	GB	VWC	ACT1	–	VINYL AF/CI
118	GNC	CONC.	FT1	RES	–	GB	PNT	ACT1	–	–
118.1	GNC	CONC.	FT1	RES	–	GB	PNT	ACT1	–	–
119	JAN	CONC.	FT1	RES	–	GB	FRP	ACT2	–	–
120	COOLER	CONC.	SEALED	–	–	PANEL	–	PANEL	–	–
121	DUNKIN DONUTS	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.7X SHEETS FOR ADDITIONAL INFO
122	CHARLEY'S	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.6X SHEETS FOR ADDITIONAL INFO
123	SUBWAY	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.5X SHEETS FOR ADDITIONAL INFO
124	SUBWAY/CHARLEY'S FREEZER	CONC.	PANEL	–	–	PANEL	–	PANEL	–	–
125	STORAGE/FOOD PREP	CONC.	QT	QTB	–	FRP	–	ACT2	–	RE:A1.13 FOR WALL FINISH EXTENTS
126	ANTHONY'S	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.4X SHEETS FOR ADDITIONAL INFO
127	TACO BELL	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.3X SHEETS FOR ADDITIONAL INFO
128	ANTHONY'S/ TACO BELL FREEZER	CONC.	PANEL	–	–	PANEL	–	PANEL	–	–
129	POPEYE'S COOLER/FREEZER	CONC.	PANEL	–	–	PANEL	–	PANEL	–	–
130	POPEYE'S	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.2X SHEETS FOR ADDITIONAL INFO
131	JAN	CONC.	FT1	RES	–	FRP	–	ACT2	–	–
132	BURGER KING	CONC.	QT	QTB	–	FRP/WT	–	ACT2	–	RE:A8.1X SHEETS FOR ADDITIONAL INFO
133	BURGER KING COOLER/FREEZER	CONC.	PANEL	–	–	PANEL	–	PANEL	–	–
134	DRIVE THRU	CONC.	QT	QTB	–	FRP	–	ACT2	–	–
135	MEN'S RESTROOM	CONC.	FT1	WT1	–	WT1/WT2	–	GB	PNT1	RE:INTERIOR ELEVATIONS FOR TILE PATTERN
136	WOMEN'S RESTROOM	CONC.	FT1	WT1	–	WT1/WT2	–	GB	PNT1	RE:INTERIOR ELEVATIONS FOR TILE PATTER
137	SEATING AREA	CONC.	FT1	RES	–	GB/BR/STN	–	ACT1/GB	PNT1	RE:BLDG SECTIONS AND INTERIOR ELEVS
138	VESTIBULE	CONC	FT1	RES	–	GB	PNT	STR	PNT4	–

FLOOR

FINISH	ABB
CARPET (J&L COMMERCIAL COLOR 3898)	CPT
VINYL COMPOSITION TILE (ARMSTRONG IMPERIAL TEXTURE "COOL WHITE")	VCT
QUARRY TILE (6"X6" DAL-TILE 0042 ARID GRAY W/ ABRASIVE GRAIN, USE GR1)	QT
FLOOR TILE 1 (12"X12" DAL-TILE MONTCITO "BRUNE" M122, USE GR3)	FT1
FLOOR TILE 2 (ACCENT TILE, DAL-TILE CONTINENTAL SLATE "INDIAN RED C551", USE GR2)	FT2
SEALED CONCRETE	CONC

WALLS

FINISH	ABB
GYPSUM BOARD	GB
PAINT (REFER TO A1.13 PAINT PLAN)	PNT
VINYL WALL COVERING	VWC
WALL TILE 1 (12"X12" DALE-TILE MONTCITO "BRUNE" M122, USE GR1)	WT1
WALL TILE 2 (ACCENT TILE, DAL-TILE CONTINENTAL SLATE "INDIAN RED C551", USE GR2)	WT2
FIBERGLASS REINFORCED PLASTIC (ALMOND)	FRP
PAINTED PLYWOOD (GRADE AC MIN.)	PLY
BRICK 1 (PALMETTO BRAGG BLEND)	BR1
BRICK 2 (PALMETTO CHOCOLATE)	BR2
THIN SET STONE (ARRISCRAFT THIN CLAD – SUEDE)	STN

BASE

FINISH	ABB
4" RESILIENT VINYL BASE (MOUSE GREY)	RES
WALL TILE 1 (12"X12" DALE-TILE MONTCITO "BRUNE" M122, USE GR3)	WT1
WALL TILE 2 (ACCENT TILE, DAL-TILE CONTINENTAL SLATE "INDIAN RED C551", USE GR2)	WT2
QUARRY TILE BASE (5"X6" 0-3565 ARID GRAY, USES GR1)	QTB

CEILING

FINISH	ABB
GYPSUM BOARD	GB
ACOUSTICAL CEILING TILE – TYPE 1 (ARMSTRONG ULTIMA)	ACT1
ACOUSTICAL CEILING TILE – TYPE 2 (ARMSTRONG CLEAN ROOM)	ACT2
EXPOSED STRUCTURE (PNT4)	STR
PAINT COLOR 1 (IVORY-SW6127)	PNT1
PAINT COLOR 4 (CONNECTED GRAY-SW6165)	PNT4

GROUT

FINISH	ABB
CUSTOM BUILDING PRODUCTS EPOXY GROUT – 145 LIGHT SMOKE	GR1
MAPEI APOXY GROUT – 05 CHAMOIS	GR2
MAPEI APOXY GROUT – 47 CHARCOAL	GR3

FINISHES AND ABBREVIATIONS

1. RE: REFLECTED CEILING PLAN, BUILDING AND WALL SECTIONS FOR CEILING HEIGHTS.
2. RE: ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS FOR LOCATION OF FINISHES ON WALLS.
3. PAINT GYPSUM BOARD REVEALS AND CONTROL JOINTS.
4. PAINT ACCESS PANELS SAME COLOR AS ADJACENT SURFACE COLOR.
5. ALL GYPSUM BOARD CEILING AND FURR DOWNS TO BE PAINTED UNO.
6. ALL FINISHES MAY BE SUBSTITUTED WITH EQUAL PRODUCT BUT ALL CHANGES MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL.
7. RE: ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS & TRANSITIONS OF CEILING FINISHES.
8. FINISHES IN VESTIBULES AND NICHES SHALL HAVE THE SAME FINISHES AS THE SCHEDULED FOR THE ADJACENT AREA UNLESS OTHERWISE NOTED.
9. ALL PAINTS NOTED ARE SHERWIN WILLIAMS.
10. THE CONTRACTOR TO SUBMIT SAMPLES FOR ALL FINISH MATERIALS FOR APPROVAL BEFORE MATERIALS ARE INSTALLED. INSTALL TILE ON FLOOR & WALL AT ALL DRINKING FOUNTAINS.
11. INSTALL FRP PANELS AT SIDES AND BACK OF ALL JANITOR/MOP SINKS, 4' HIGH X 4' LONG MIN. RE: ENLARGED FLOOR PLANS FOR ADDITIONAL INFORMATION. ALL INTERIOR WALL & CEILING FINISHES TO BE A MINIMUM
12. CLASS C RATING (FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450)
13. TOILET PARTITIONS WILL BE PLASTIC LAMINATE (PIONITE SP401) COVERED PLYWOOD.
14. PAINT ALL OPEN EXPOSED CEILING (PNT5) UNLESS NOTED OTHERWISE.

LEGEND – GENERAL NOTES

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON 23418 STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-4433
(281) 858-4504 FAX
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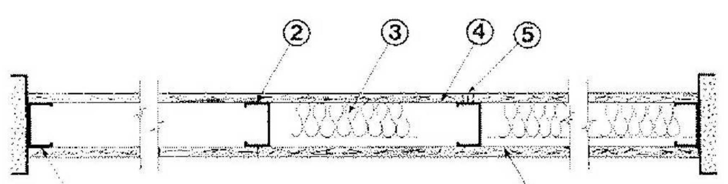
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FINISH SCHEDULE

DATE: 06/08/12
SCALE: AS NOTED
SHEET: A7.30
DRAWING/PROJECT NO: 0530-06-000005
OF

Design No. U465

Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners —** (not shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members*— Floor and Ceiling Runners —** (Not shown) — As an alternate to Item 1 - Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

1B. **Framing Members* - Floor and Ceiling Runners —** Not shown - In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CRACO MFG INC — SmarterTrack20™, SmartTrack20™

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S™ Track, Viper20D™ Track

1C. **Floor and Ceiling Runners —** (Not shown)—For use with Item 2C- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members*— Floor and Ceiling Runners —** Not shown - In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.015 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CLARKWESTERN BUILDING SYSTEMS INC — CW ProTRAK

DIETRICH INDUSTRIES INC — DIETRICH ProTRAK

DMFCWBS L L C — ProTRAK

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members*— Steel Studs —** As an alternate to Item 2 - Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

2B. **Framing Members* - Steel Studs —** Not shown - In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CRACO MFG INC — SmarterStud20™, SmartStud20™

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S™, Viper20D™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 4E) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. **Framing Members*— Steel Studs —** As an alternate to Items 2 through 2C- For use with Item 1D and 4G only, channel shaped studs, min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

CLARKWESTERN BUILDING SYSTEMS INC — CW ProSTUD

DIETRICH INDUSTRIES INC — DIETRICH ProSTUD

DMFCWBS L L C — ProSTUD

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See **Batts and Blankets** (BZJZ) category for names of Classified companies.

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft^3.

U S GREENFIBER L L C — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) and Item 3A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (resilient channels) or 6A (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C, AGX-1

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1.

CANADIAN GYPSUM COMPANY — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, ProRoc Type X, ProRoc Type C.

CERTAINTEED GYPSUM CANADA INC — ProRoc Type C, ProRoc Type X or ProRoc Type Abuse-Resistant.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6.

LAFARGE NORTH AMERICA INC — Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-WD.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-C, PG-11 or PG-9.

PANEL REY S A — Type PRX.

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

TEMPLE-INLAND — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4A. **Gypsum Board* —** (As alternate to Item 4) - Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CANADIAN GYPSUM COMPANY — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

CERTAINTEED GYPSUM INC — ProRoc Type X, ProRoc Type C.

CERTAINTEED GYPSUM CANADA INC — ProRoc Type X, ProRoc Type C.

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS.

LAFARGE NORTH AMERICA INC — Type LGFC6A, LGFC-C/A

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, , USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4B. **Gypsum Board* —** (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CANADIAN GYPSUM COMPANY — Types AR, IP-AR.

UNITED STATES GYPSUM CO — Types AR, IP-AR.

USG MEXICO S A DE C V — Types AR, IP-AR.

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B - Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.

TEMPLE-INLAND — GreenGlass Type X.

4D. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C - Nom. 5/8 in. thick gypsum panels applied horizontally. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Gypsum panels fastened to framing with 1 in. long Type S steel screws 1-1/2 in. from board edges, 3 in. from board edge and every 8 in. OC in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW.

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) - Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 7 in. OC. Not to be used with item 6.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

4F. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

4G. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1C and 2C only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX

4H. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

QUIET SOLUTION INC — Types QuietRock ES, QuietRock 527.

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F.

6A. **Steel Framing Members (Not Shown)* —** As an alternate to Item 3, furring channels and resilient sound isolation clip as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.

b. **Framing Members* —** Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Type RSIC-1.

6B. **Framing Members* —** Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 6). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the stud with min. 1 in. long Type S-12 pan head steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

7. **Wall and Partition Facings and Accessories* —** (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

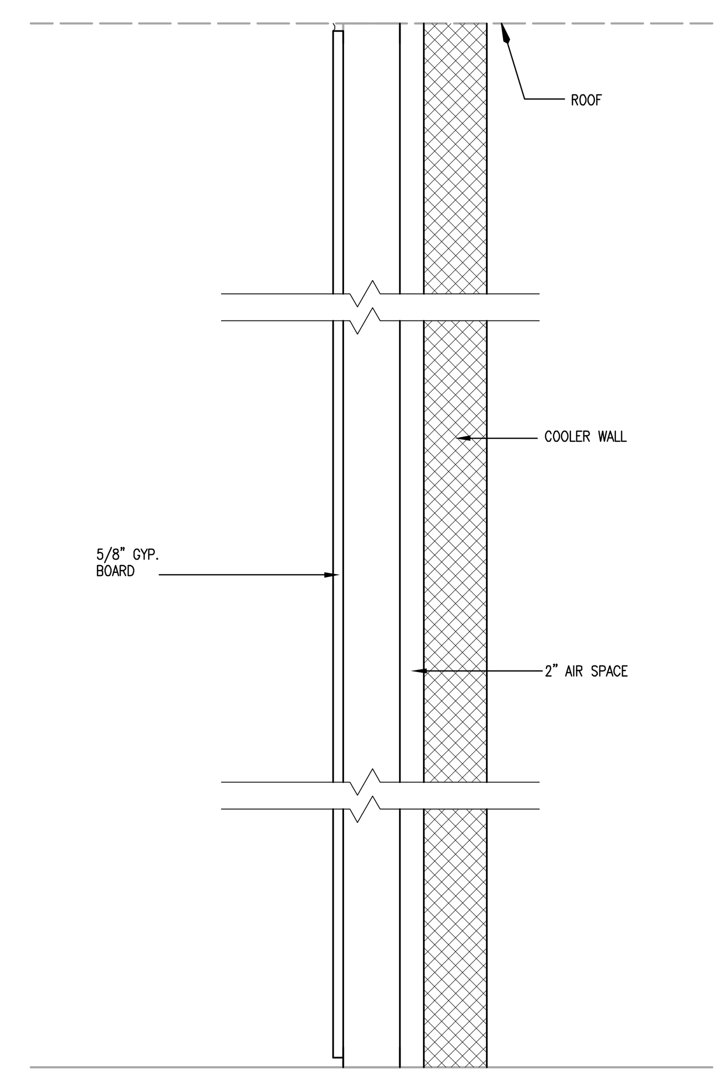
QUIET SOLUTION INC — Type QuietRock QR-510.

8. **Lead Batten Strips —** (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.

9. **Lead Discs or Tabs —** (Not Shown, For Use With Item 4E) - Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

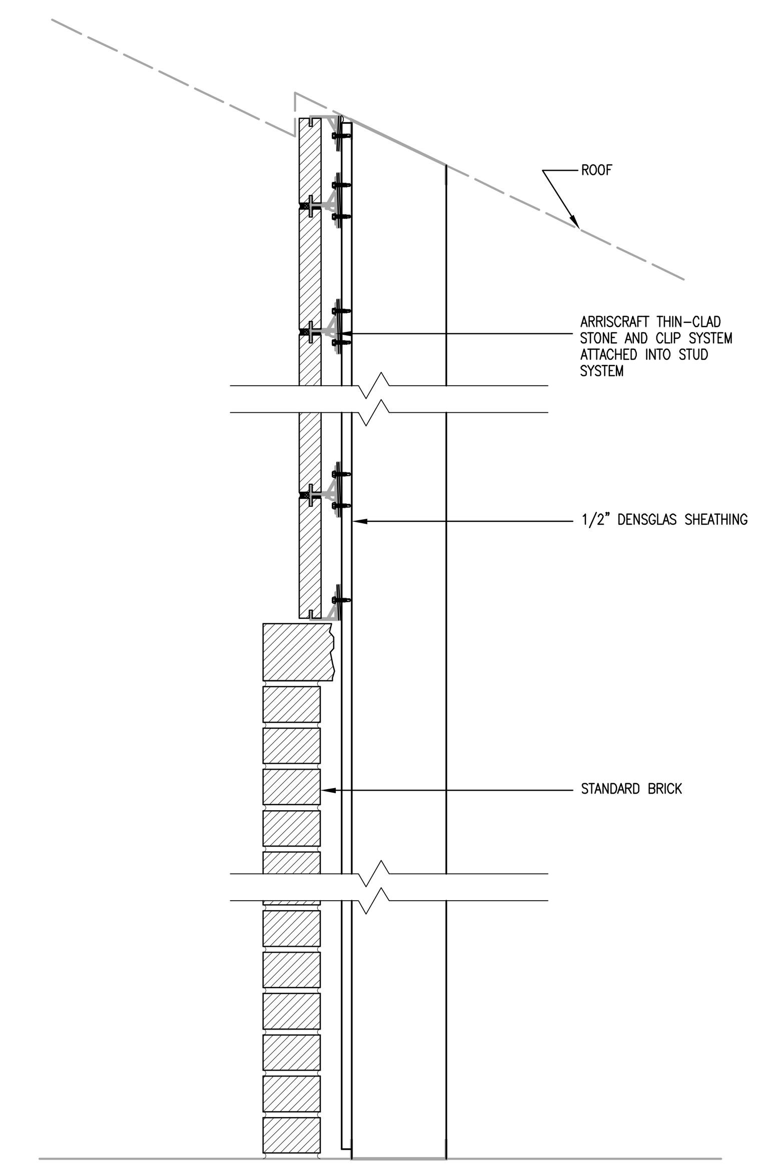
*Bearing the UL Classification Mark

FIRE RATED ASSEMBLY U465 NTS



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT	FINISHED THICKNESS	INSUL.	FIRE RATING	FIRE RESISTIVE DESIGN ASSEMBLY	REMARKS
D	3 5/8"	25	24"	16'-0"	4 7/8"	–	–	–	–

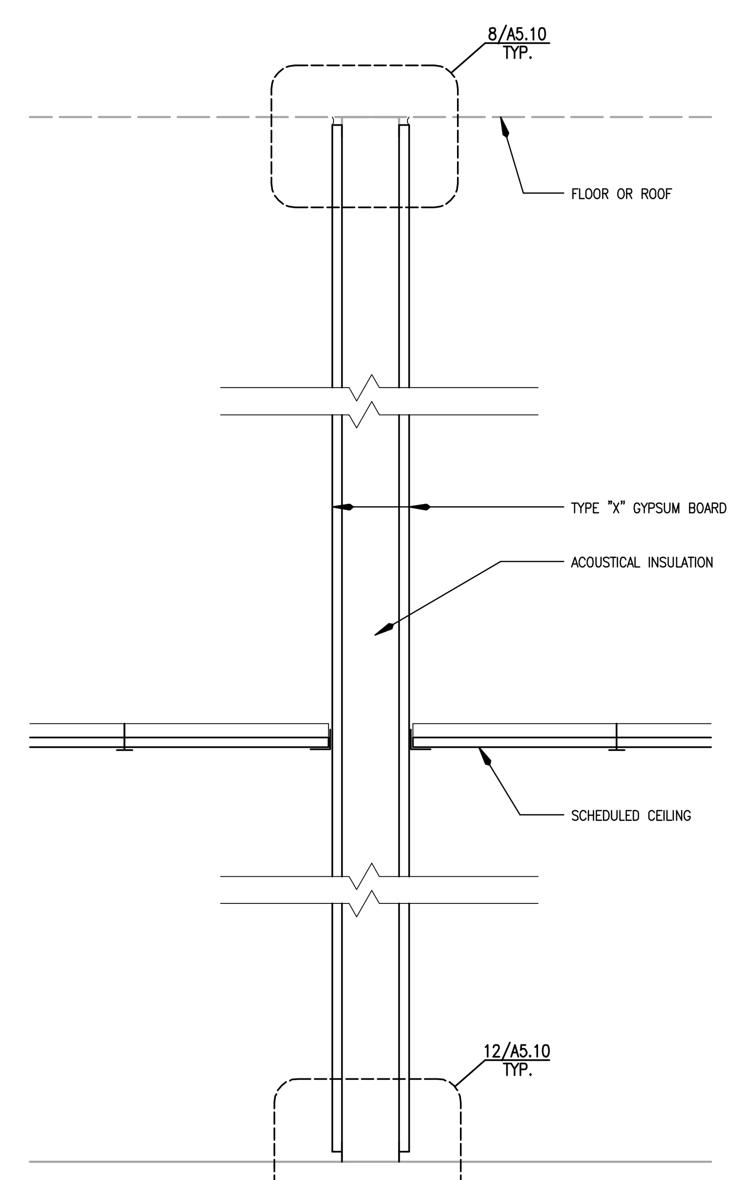
PARTITION TYPE D NTS



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT	FINISHED THICKNESS	INSUL.	FIRE RATING	FIRE RESISTIVE DESIGN ASSEMBLY	REMARKS
C1	6"	25	24"	16'-0"	7 1/4"	–	–	–	3
C2	6"	20	24"	18'-0"	7 1/4"	–	–	–	3

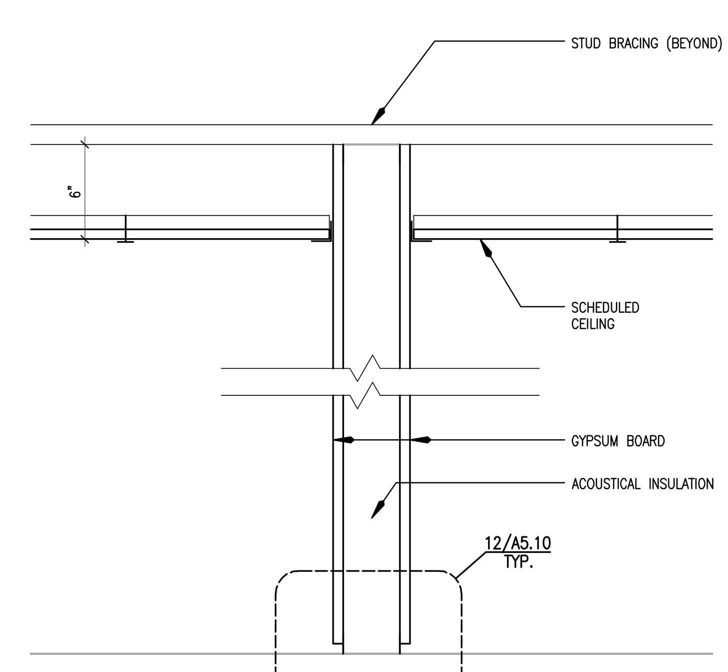
PARTITION TYPE C NTS

1. PROVIDE MTL. DECK FILLERS. CONTRACTOR TO VERIFY DECK FILLERS ARE COMPATIBLE WITH REQUIRED FIRE RATED ASSEMBLIES
2. PROVIDE RESILIENT CHANNELS @ 24" O.C. @ RESTROOMS



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT	FINISHED THICKNESS	INSUL.	FIRE RATING	FIRE RESISTIVE DESIGN ASSEMBLY	REMARKS
B1	3 5/8"	25	24"	16'-0"	4 7/8"	–	1 HOUR	UL U465	1,2
B2	3 5/8"	20	24"	18'-0"	4 7/8"	–	1 HOUR	UL U465	1,2

PARTITION TYPE B NTS



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT	FINISHED THICKNESS	INSUL.	FIRE RATING	FIRE RESISTIVE DESIGN ASSEMBLY	REMARKS
D1	3 5/8"	25	24"	16'-0"	4 7/8"	–	–	–	–
D2	3 5/8"	20	24"	18'-0"	4 7/8"	–	–	–	–

PARTITION TYPE A NTS

REMARKS

1. ALL PARTITIONS SHALL BE BRACED TO ENSURE STABILITY.
2. WHERE BRACING IS SPECIFICALLY INDICATED IN DRAWINGS, BRACE AS INDICATED.
3. WHERE BRACING IS NOT SPECIFICALLY INDICATED IN DRAWINGS, BRACE IN ACCORDANCE WITH INDUSTRY STANDARDS AND DEFLECTION CRITERIA SPECIFIED. BRACING NOT TO EXCEED 4'-0" ON-CENTER.
4. FULL HEIGHT PARTITIONS SHALL BE SECURED TO STRUCTURE, ALLOWING FOR DEFLECTION OF STRUCTURE IN ACCORDANCE WITH DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.
5. PARTIAL HEIGHT PARTITIONS SHALL BE BRACED TO STRUCTURE OR OTHER PARTITIONS USING METAL STUDS AS FOLLOWS OR AS APPROVED:
   MINIMUM DEPTH: 3 5/8 INCH
   25 GAGE: MAXIMUM LENGTH 6 FEET
   20 GAGE: MAXIMUM LENGTH 12 FEET
   18 GAGE: MAXIMUM LENGTH 16 FEET
   16 GAGE: MAXIMUM LENGTH 18 FEET
6. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ON BRACING AND GENERAL INSTALLATION OF GYPSUM BOARD SYSTEMS.
7. WHERE STUD SIZE, GAGE, & SPACING IS INDICATED IN DRAWINGS, PROVIDE IN ACCORDANCE WITH SPECIFICATION SECTION 09260 – GYPSUM BOARD ASSEMBLIES.
8. WHERE EITHER STUD OR JOIST SIZE, GAGE, OR SPACING IS NOT INDICATED IN DRAWINGS, PROVIDE IN ACCORDANCE WITH SPECIFICATION SECTION 05400 – COLD FORMED METAL FRAMING.
9. NOT ALL PARTITIONS ARE SPECIFICALLY INDICATED ON THIS SHEET. RE: WALL SECTIONS FOR PARTITIONS NOT INDICATED ON FLOOR PLAN(S). NOT ALL PARTITIONS LISTED ARE APPLICABLE TO THIS PROJECT. RE: FLOOR PLAN
10. RE: REFLECTED CEILING PLAN, BUILDING SECTIONS & WALL SECTIONS FOR CEILING HEIGHTS.
11. ALL WALLS AND PERMANENT PARTITIONS WHETHER SPECIFICALLY IDENTIFIED OR NOT SHALL BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL.
12. WALLS THAT ARE SPECIFICALLY IDENTIFIED IN THE DRAWINGS AS REQUIRING A FIRE-RATED ASSEMBLY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LISTED ASSEMBLY.
13. SET RUNNERS IN CONTINUOUS BED OF SEALANT.
14. AT FIRE RATED PARTITIONS, INSTALL AN APPROVED FIRE-RESISTIVE JOINT ASSEMBLY AT JUNCTURE OF PARTITION HEAD AND FLOOR/ROOF DECK.
15. HORIZONTAL STUD BRACING TO BE 1'-0" ABOVE HIGHEST ADJACENT SCHEDULED CEILING.
16. EACH PARTITION IS TO HAVE A MINIMUM OF ONE LAYER OF GYPSUM BOARD ON EACH SIDE COMPLETELY COVERING SUPPORT FRAMING UNO. WHERE DIFFERENT HEIGHT CEILINGS OCCUR, GYPSUM BOARD MAY TERMINATE 6" ABOVE CEILING.
17. PROVIDE MOISTURE-RESISTANT GYPSUM BOARD AT AREAS SUBJECT TO PERIODIC WATER EXPOSURE SUCH AS AT TUBS, SHOWERS, WATER CLOSETS AND BEHIND ALL CERAMIC TILE.

GENERAL PARTITION NOTES

A-X-05-201

EXCHANGE™

REGISTERED ARCHITECT — STATE OF TEXAS — 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4304 FAX

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PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE: WALL ASSEMBLIES

DATE: 06/08/12 | SCALE: AS NOTED | SHEET: A7.40 OF

DRAWING/PROJECT NO: 0530-06-000005

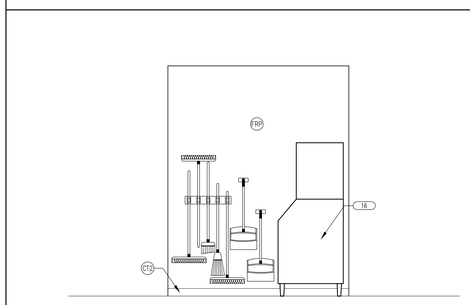
6/7/2012 5:12:52 PM

BURGER KING- 20/20 IMAGE DESIGN

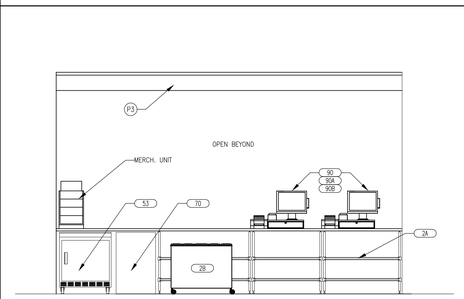
INTERIOR MATERIALS & FINISH SCHEDULE

DATE: 8/9/10

CODE	MATERIAL	LOCATION	MANUFACTURER	DESCRIPTION			ADDITIONAL INFORMATION
				PRODUCT	COLOR	DIMENSION	
ACOUSTICAL CEILING							
ACT	ACOUSTICAL CEILING TILE	BACK OF HOUSE		#793 ARMSTRONG ULTIMA	PANEL COLOR: WHITE GRID: PRELUDE 15/16" EXPOSED TEE GRID GRID COLOR: WHITE	2' X 4' X 5/8"	CONTACT: ARMSTRONG STRATEGIC ACCOUNTS (800) 442-4212
FLOOR FINISHES							
DECORATIVE FLOOR TILE OPTION A							
CT9	CERAMIC TILE	FOOD PREP	DAL-TILE	POLARIS	PL02 GLOSS WHITE	12" X 18"	**NOTE: USE WITH GR-5**
GR5	GROUT	FOOD PREP	CUSTOM BUILDING PRODUCTS	POLYBLEND SANDED	#381 - BRIGHT WHITE		**NOTE: USE WITH CT-9** ***** FOR SETTING MATERIALS USE COMPLETE CONTACT RAPID SET**
BACK OF HOUSE FLOOR TILE							
CT1	QUARRY TILE	BACK OF HOUSE FLOORING	DAL-TILE	QUARRY TILE	0Q42 ARID GRAY ***ADD ABRASIVE GRAIN Q-3565	6" X 6"	**NOTE: USE WITH GR-6**
CT2	QUARRY TILE BASE	BACK OF HOUSE COVE BASE	DAL-TILE	QUARRY TILE	COVE BASE - ARID GRAY	5" X 6"	**NOTE: USE WITH GR-6**
GR6	GROUT	BACK OF HOUSE	CUSTOM BUILDING PRODUCTS	POLYBLEND SANDED	#145 - LIGHT SMOKE		**NOTE: USE WITH CT-10, CT-11** ***** FOR SETTING MATERIALS USE**
TS1	TRANSITION STRIP	CERAMIC TILE TO CERAMIC TILE	SCHLUTER SYSTEMS	TRANSITION PROFILES FOR FLOORS	SCHIENE **(RADIUS)** AE 100 - R, SATIN ANODIZED ALUMINUM 3/8" - 10MM		CONTACT: JAY WRAY AT SCHLUTER SYSTEMS (800) 472-4588 EXT.112
WALL FINISHES / PAINT							
BR1	THIN BRICK	WALL ACCENT	OWENSBORO BRICK	MOD / QS TUMBLED	OLDE HILLSBORO		CONTACT: NEIL HARMS @ ALL FLORIDA BRICK & TILE (904) 923-2898 / OR CONTACT: JIM BROWDER @ UNITED WALLS SYSTEMS (877) 258-9800 **NOTE: USE WITH EGR-1**
EGR	BRICK MORTAR	WALL ACCENT	FLAMINGO-BRIXMENT	COLOR CEMENT	B-12 NATURAL BUFF		CONTACT: MIKE ROSE @ ESSROC (812) 246-7721 **NOTE: USE WITH BR-1**
FRP	FIBERGLASS REINFORCED PANEL	BACK OF HOUSE	MARLITE	STANADARD FRP	S100 S2S		CONTACT: TIM PINNOW AT MARLITE (330) 343-6621
MT1	METAL	FRONT COUNTER ACCENT		BAR STOCK	CLEAR ALUMINUM	1/4" X 1/4"	
P4	PAINT	INTERIOR WALLS		**PRIMER:** #1030-1200 PREP & PRIME PVA INTERIOR WATER BASED PRIMER **PAINT:** LIFEMASTER NO VOC ACRYLIC EGGSHELL #9300-0110	MASTER PALETTE #20 YY 47/145 TRADITIONAL TAN		**BURGER KING National Sales Mgr/Specification Contact: Andy Burns; phone: (407) 430-5226; email: andrew.burns@gliddenprofessional.com** **To Find Nearest Store Locations: 1-800-984-5444 option 5**
P4	PAINT	DOOR FRAMES		**PRIMER:** DEVFLEX #4020 PF DIRECT TO METAL PRIMER & FLAT FINISH **PAINT:** LIFEMASTER OIL INTERIOR/EXTERIOR SEMI-GLOSS #1506-0110	MASTER PALETTE #20 YY 47/145 TRADITIONAL TAN		**For electronic color card: 1-888-615-8169 option 2** **Shari Rishaw or Theresa Clark** **For Burger King special pricing, please reference:** **Glidden Professional National Account summary #9044**
PL1	PLASTIC LAMINATE	INTERIOR DOORS (SEE PLANS)	NEVAMAR	PLASTIC LAMINATE	WT 0003T (TEXTURED) VALENCIA TEAK		CONTACT: DAVID BELL AT PANOLAM INDUSTRIES (203) 925-1556
PL3	PLASTIC LAMINATE	FRONT COUNTER FACE	WILSONART		1595-60 BLACK		CONTACT: GREG WERTH @ WILSONART (813) 781-5136
PL4	PLASTIC LAMINATE	FRONT COUNTER FACE ACCENT	WILSONART		4830-07 SATIN STAINLESS		CONTACT: GREG WERTH @ WILSONART (813) 781-5136
TR1	METAL TRIM	DINING FLOOR TRANSITION	SCHLUTER	AE 100 D	SATIN ANODIZED ALUMINUM	3/8" TILE THICKNESS	CONTACT: DALTILE SUPPORT CENTER @ (877) 556-5728
TR2	METAL TRIM	GENERAL DINING TRANSITION		RECTANGULAR BAR STOCK	BRUSHED ALUMINUM	1" X 1/4"	
TR3	METAL TRIM	GENERAL WALL TRANSITION		CORNER GUARD	BRUSHED ALUMINUM	1/2" X 1/2"	
WC3	WALLCOVERING	GENERAL DINING	KOROSEAL RJF	VINYL WALLCOVERING (MICRO-VENTING AVAILBLE WHERE REQUIRED)	RJF5661-MOJAVE II		CONTACT: CUSTOMER SERVICE @ (866) 628-2280
WP1	WALL PANEL SYSTEM	GENERAL WAINSCOTTING	MARLITE	WOOD PLANK WALL PANEL SYSTEM WITH TONGUE & GROOVE JOINERY	PLK 552 BURGER WOOD	16" X 96" X 1/4"	CONTACT: KURT HORSTMANN @ MARLITE (330) 260-7621
SOLID SURFACE							
SS1	SOLID SURFACE	FIXTURES AS NOTED	LG SURFACES	SOLID SURFACE	VOLCANIC ICE	1/2" THICKNESS	CONTACT: DON LUTHER @ LG SURFACES (561) 262-5974



BURGER KING ELEV. X-L1-PLAN 3/8" = 1'-0" 19



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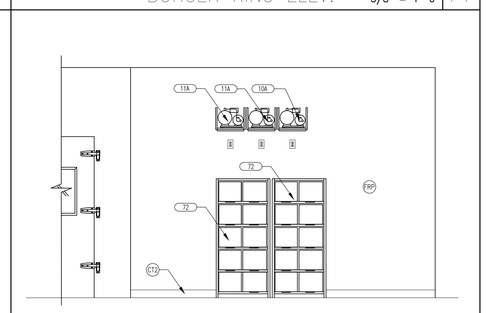

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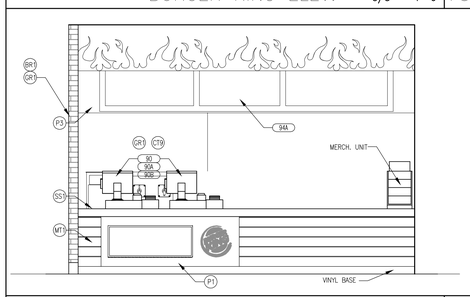
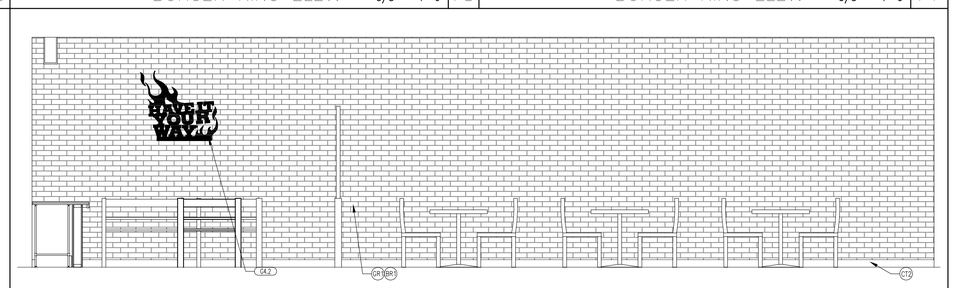
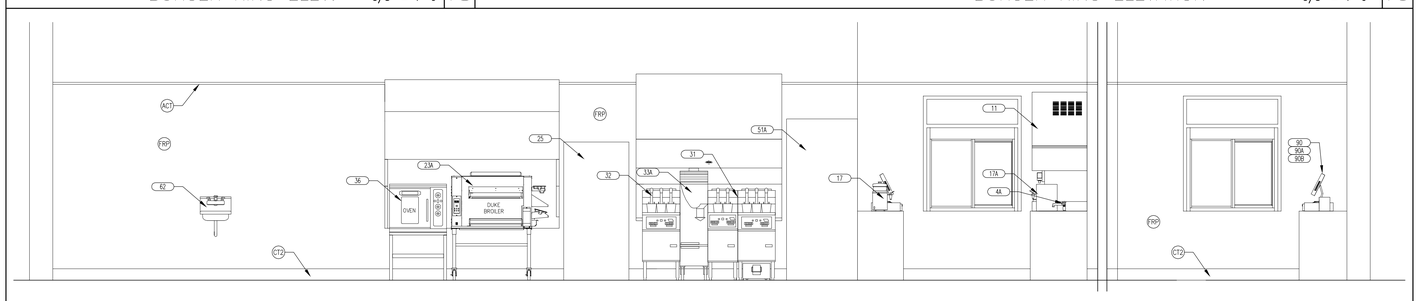


BURGER KING ELEV. X-L1-PLAN 3/8" = 1'-0" 18

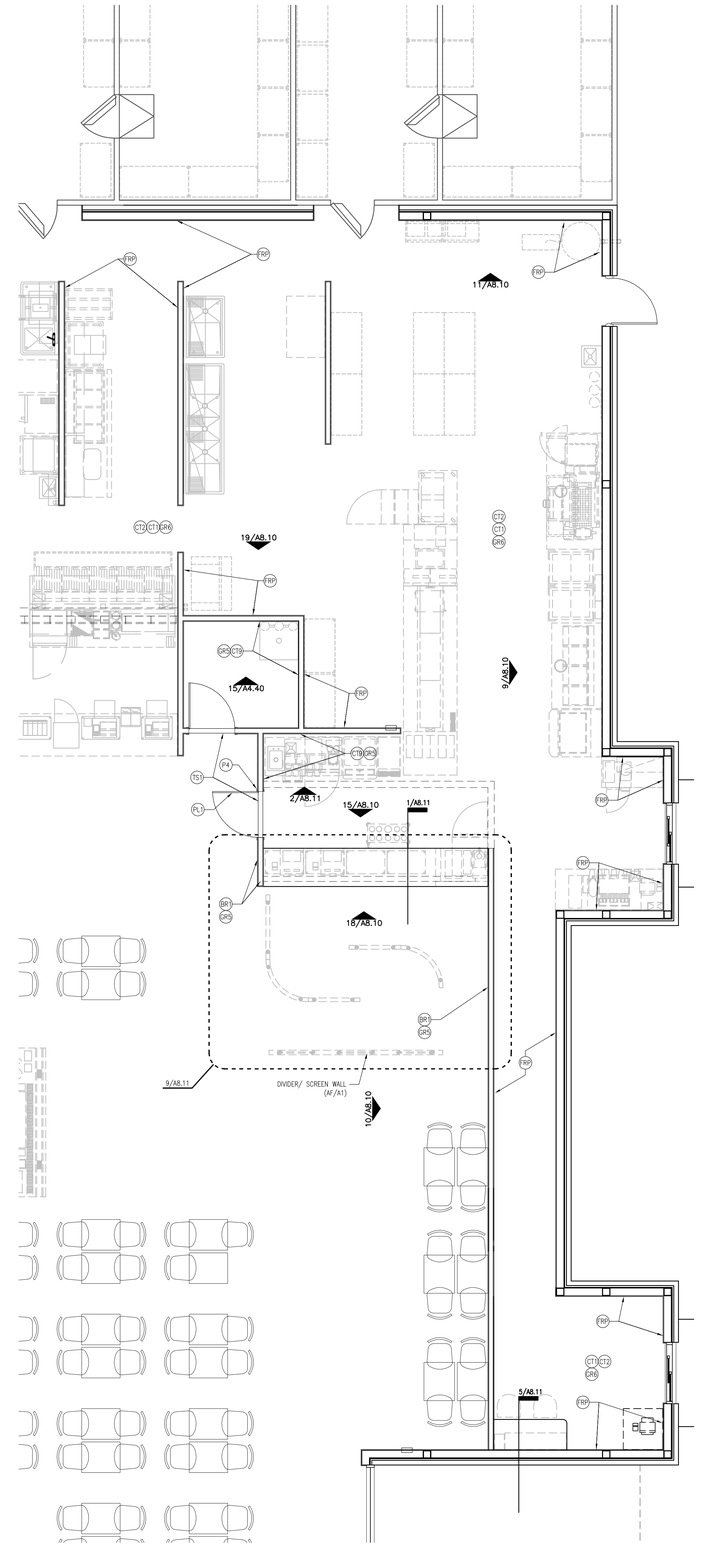


BURGER KING ELEVATION X-L1-PLAN 3/8" = 1'-0" 10



BURGER KING ELEVATION X-L1-PLAN 3/8" = 1'-0" 9

FOR EQUIPMENT LAYOUT RE:1/A8.12



BURGER KING PLAN X-L1-PLAN 1/4" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: --

FIRM #1449

morris+associates
Build on Our Strengths

12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4504 FAX

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

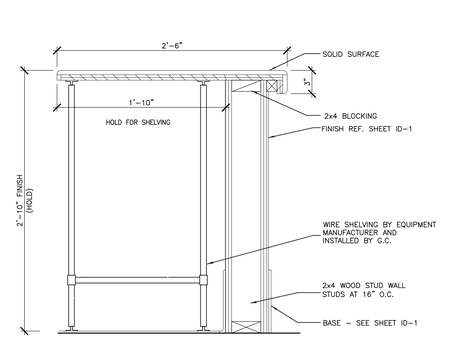
DRAWING TITLE:

BURGER KING PLANS AND ELEVATIONS

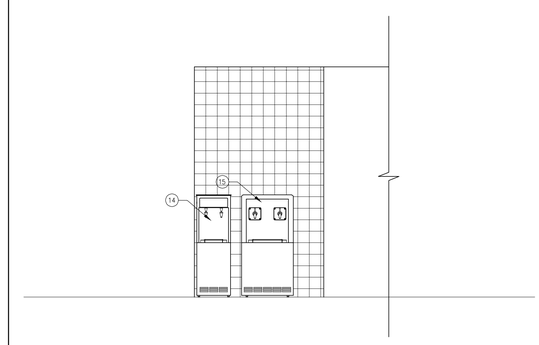
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.10

DRAWING/PROJECT NO: 0530-06-000005

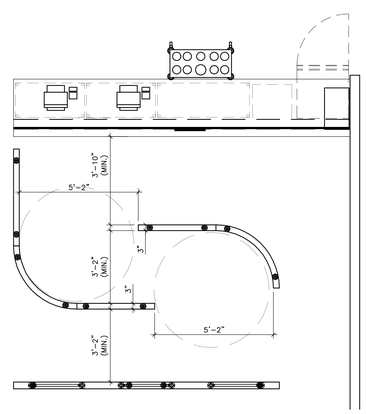
OF



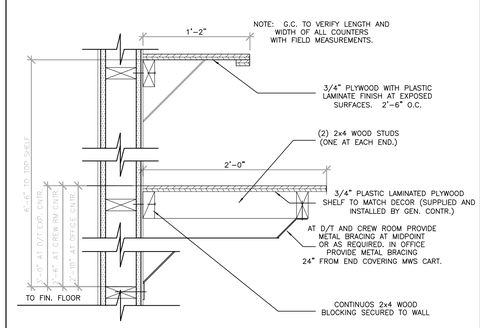
BURGER KING ELEV. X-L1-PLAN 1-1/2" = 1'-0" 6



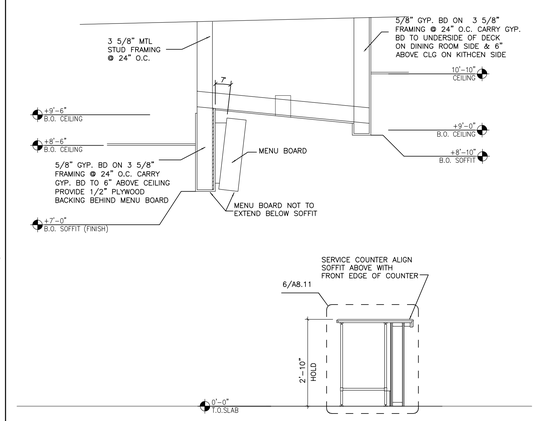
BURGER KING ELEV. X-L1-PLAN 3/8" = 1'-0" 2



BURGER KING ELEV. X-L1-PLAN 3/8" = 1'-0" 9



BURGER KING ELEV. X-L1-PLAN 1-1/2" = 1'-0" 5



BURGER KING ELEV. X-L1-PLAN 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

BURGER KING PLANS AND ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.11

DRAWING/PROJECT NO: 0530-06-000005

OF

6/7/2012 5:13:22 PM

EQUIPMENT SCHEDULE

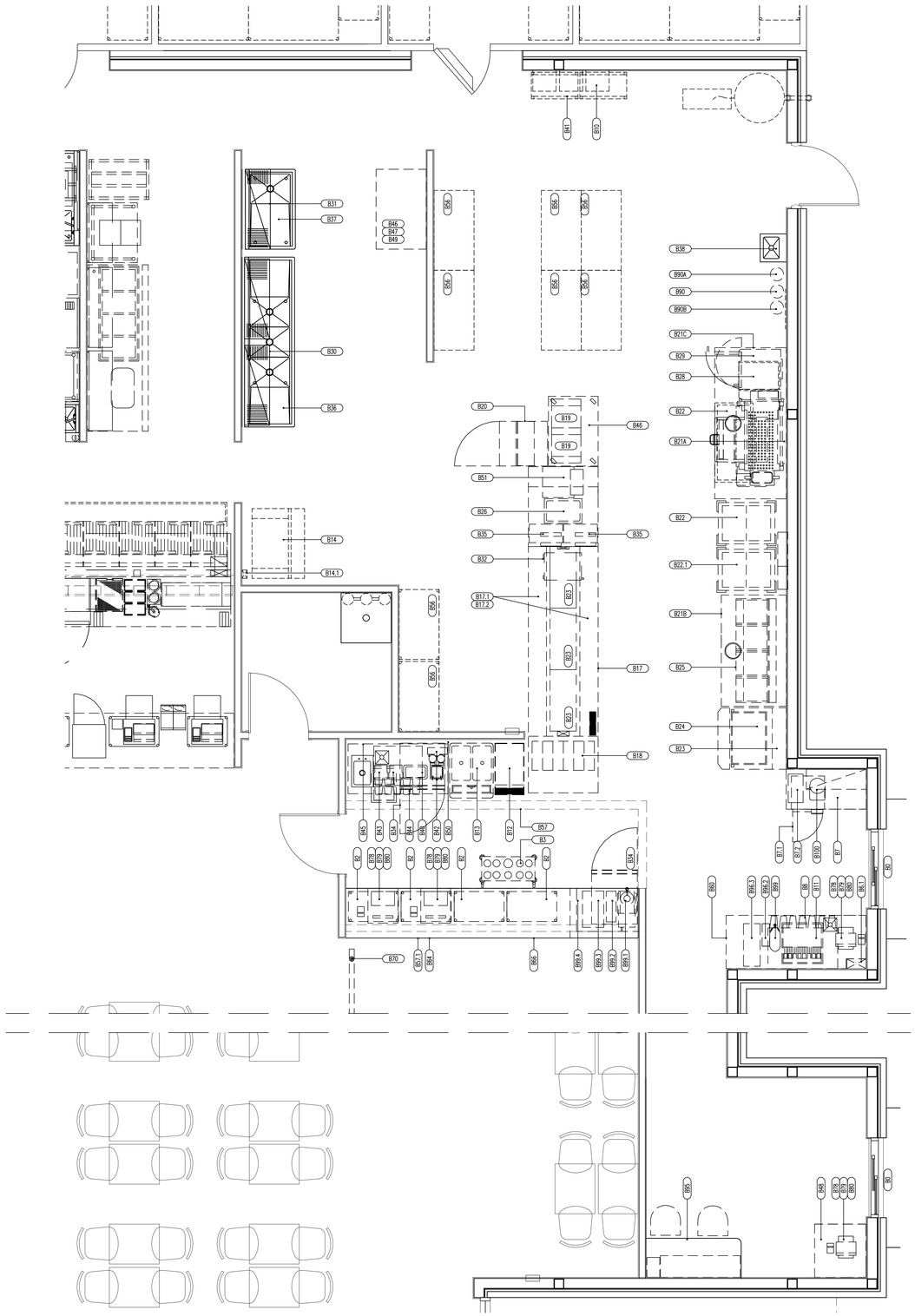
QTY.	ITEM NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	FURNISH / INSTALL A	B	C	D	F	G
1	10001	CANOPY FOR DRIVE-THRU - BLACK	TRIMARK FOODCRAFT MODEL	CANOPY DRIVE - THROUGH		O				
-	10002	OUTSIDE DIGITAL MENU - PAINT BLACK	-	OUTSIDE MENU BOARD		-				
3	10003	OUTDOOR TRASH AND LID - BLACK	-	OUTDOOR TRASH		O				
1	10004	OUTDOOR TRASH AND LID DRIVE-THRU - BLACK	-	OUTDOOR TRASH AND LID DT						
1	10005	HME HEAD SETS		HME HEAD SETS		O				
2	B0	DRIVE THROUGH WINDOW	QUICKSERV	IFSC-4030			O			
1	B1	DRINK STATION FOR DINING ROOM	FAB	CUSTOM - 13'-0" VERIFY SIZE WILL FIT		O				
5	B2	UNDERCOUNTER SHELVING @ FRONT CTR.	METRO	1830NK3		O				
1	B3	MOBILE CUP DISPENSER CART - 10 HOLE	FAB	K3101		O				
1	B3.1	MOBILE EXPEDITING CART - 14" X 30"	METRO			O				
2	B4	CONDIMENT HOLDER - 4 COMPARTMENT	FAB	18000982		O				
1	B4.1	CONDIMENT ORGANIZER BIN RACK CAMBRO #9R99RS9 (110)	FMP	247-1055		O				
2	B5	LID DISPENSER - MAIN DINING ROOM ROC	FAB	18003659		O				
1	B6	D/T COUNTER BEVERAGE TABLE (32"x84")	FAB	DRIVE THRU BEVERAGE COUNTER		O				
1	B6.1	STAINLESS STEEL SERVICE CHASE	FAB	18000937		O				
1	B6.2	WIRE BOTTLE RACK				O				
1	B6.3	2-VALVE MINUTE MAID JUICER	LANCER			O				
1	B7	24x48 POS EXPEDITING TABLE W/ RECESS FOR UNDERCOUNTER REFRIGERATOR	METRO			O				
1	B7.1	UNDERCOUNTER REFRIGERATOR	BEVERAGE AIR	UCR-20Y-23 SS DOOR		O				
1	B7.2	MILK DISPENSER	SILVER KING	SKBD105P		O				
1	B8	DISPENSER, CUP BRACKET	FAB	18000397		O				
2	B9	635lb ICEMAKER, CUBE STYLE	MANITOWOC	IB-0684YC		O				
2	B9	BEVERAGE ICE DISPENSER - 12 HEAD (DINING)	LANCER	85-4562H-123-BKC		O				
1	B10	BIB RACK - CARBONATORS AND SHELF	LANCER CORP	08-0403-01		O				
1	B10	3 STATION INSTALLATION KIT, INCLUDES TEES, CLAMPS, FITTING, CO2 REGULATORS, SHUT OFFS	LANCER CORP	82-1988/01		O				
1	B10	BACK ROOM SODA ITEMS	LANCER CORP	BACK ROOM SODA		O				
1	B11	10 VALVE ICE/BEV COMBO (DRIVE THRU)	LANCER CORP	DRIVE THRU SODA		O				
1	B12	FROZEN DRINK MACHINE 3 PH	TAYLOR	C300		O				
1	B12.1	FROZEN BEVERAGE CART FOR TAYLOR C300	FBD PARTNERSHIP, LP	12-2493-0002		O				
1	B12.2	COKE GRAPHIC	FBD PARTNERSHIP, LP	12-3019-COKE2						
1	B12.3	COKE GRAPHIC - ICEE	FBD PARTNERSHIP, LP	12-3019-ICEE2						
1	B13	SMALL WARES TAYLOR	TAYLOR	SMALL WARE PACKAGE		O				
1	B13	SOFT-SERVE / SHAKE MACHINE COMBO - 3 PH	TAYLOR	C606		O				
1	B14	ICE MACHINE - 30 INCH	MANITOWOC	ICE BACK KITCHEN		O				
1	B14.1	STAINLESS STEEL SERVICE CHASE FOR ICE LINES	FAB	M13324		O				
-	B15	COFFEE BREWER / DISPENSER - DINING	BUNN-O-MATIC							
-	B16	COFFEE BREWER / DISPENSER - DRIVE THRU	BUNN-O-MATIC							
1	B17	UNIVERSAL PREP BOARD WITH OVERSHELF	FRANKE	FS00900		O				
1	B17.1	HEATED SURFACE, 72", PARENT 120V	FRANKE	18005340		O				
1	B17.2	HEATED SURFACE, 72", CHILD 120V	FRANKE	18005341		O				
1	B18	RECESSED HEAT CHUTE	HATCO	RECESSED HEAT CHUTE		O				
1	B19	EGG STATIONS	ROUND UP	ES-1200		O				
1	B20	SALAD TOP PREP REFRIGERATOR	TRUE	TSSU-27-12MB		O				
-	B21	BATCH BROILER	DUKE MANUFACTURING	FBB-NO-120						
-	B21	BEEF COOKOUT TRAY	DUKE MANUFACTURING	175697						
-	B21	48" QUICK DISCONNECT #175690	DUKE	175690						
-	B21	START-UP AND INSTALL #BKB-INSTALL	DUKE	FBB-INSTALL						
-	B21	GREASE SHIELD	DUKE	175752						
-	B21	PART KIT B #175726	DUKE	175726						
-	B21	BROILER CATALYST	DUKE	175495						
1	B21A	BROILER CHASE	FAB	M14262		O				
1	B21B	HOOD - 5'-7"	GAYLORD INDUSTRIES	PG-ND-AB-39-(BK-NA-FH-5-7)			O			
1	B21C	HOOD - 7'-7"	GAYLORD INDUSTRIES	XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7)			O			
2	B22	FREEZER DISPLAY (MEAT)	SILVER KING	SKMWF44		O				
1	B22.1	FRY FREEZER (WELL TYPE) W/ FRY RACK	SILVER KING	SKMWF34/XX		O				
1	B22.2	FRY BASKET PORTION PAN		18005501		O				
3	B23	PRODUCT HOLDING CABINET (MAIN BOARD) 4 WIDE x 3 HIGH	DUKE	FWM3-34-208		O				
1	B23	PRODUCT HOLDING CABINET - MASTER UNIT (FRY DUMP STATION) 4 WIDE x 2 HIGH	DUKE	FWM3-24-SB1		O				
-	B23	PRODUCT HOLDING CABINET - SPECIALTY 4 WIDE - 2 HIGH MASTER	DUKE	FWM324SB1						
1	B24	FRY HOLDING STATION ROC 37x41	FAB	FS00912		O				
-	B24.1	FRY HOLDING STATION - NON ROC	FAB	NON ROCK PASS THRU FRY STATION						
-	B25	FRYERS - 4 BANK NATURAL GAS, 120V/1PH - EXISTING	FRYMASTER	FPPH455CSD						
1	B25.1	FRYER LEGS	FRYMASTER			O				
1	B26	APW W3V COUNTERTOP CHILI WARMER	APW Wyott	S4812-BK		O				
-	B27	SINBAD SINGLE BASKET FRY DISPENSER	FRYMASTER	SBD-H						
1	B27.1	SHORTENING DISPOSAL UNIT	DEAN INDUSTRIES	PSDU50		O				
1	B28	BROILER/OVEN STAND KIT	LANG MODEL			O				
1	B28	BISCUIT OVEN	LANG MODEL	EHSPPBK		O				
1	B29	BISCUIT HOLDING CABINET 120V/60/1	CRESCOR	#H339135BKC3		O				
1	B30	SMART WALL UNITS - DOUBLE	METRO	BKSW+8446DBL		O				
1	B31	SMART WALL UNITS - SINGLE	METRO	BKSW+8446		O				
1	B32	ONCUE MICROWAVE OVEN BOTTOM SHELF	AMANA COMMERCIAL PRODUCTS	OCS2418K		O				
	B32.1	BACON TRAY FOR THE AMANA	TRIMARK	BACON TRAY						
-	B32B	MICROWAVE OVENS	PANASONIC	NE-1757						
2	B34	REFRIGERATOR, UNDERCOUNTER REACH-IN W/ CASTERS AT SERVICE COUNTER	SILVER KING	SKTTR7F/C20		O				
	B34A	REFRIGERATOR, UNDERCOUNTER REACH-IN	SILVER KING	SKR48						
2	B35	TOASTER, ELECTRIC CONVEYOR TYPE	A.J. ANTUNES & CO.	VCT-2000		O				
2	B35.1	DAMPER KIT	A.J. ANTUNES & CO	DAMPER KIT		O				
1	B36	CHEMICAL SHELF	METCRAFT	31622		O				
1	B36	WALL MOUNT PRE-RINSE ASSEMBLY		SPRAYER KNS3-1000-BR ADD-ON FAUCET KN55-7012						
1	B36	POWER SOAK SINK	METCRAFT	POWER SOAK		O				
-	B36A	EXISTING POWERWASH SINK - REPLACE FAUCET'S & SPRAYER	COMPONENT HARDWARE GROUP, INC.	SPRAYER KNS3-1000-BR ADD-ON FAUCET KN55-7012						
1	B37	1 COMPARTMENT SINK W/ RH DRAIN BOARD	FRANKE	M23S3		O				
-	B37	2 COMPARTMENT SINK W/ 24" DRAIN BOARD-RH SIDE - 74"	FAB	M2355						
1	B38	HAND SINK	ADVANCE TABCO	7-BK-90-X G.C. VERIFY THAT THIS MODEL WILL FIT IN LOCATION SHOWN		O				
-	B38.1	HAND SINK - DROP IN								
-	B39	WATER FILTER ASSEMBLY	EVERPURE	EV9100-37						
1	B40	COUNTER TOP CHILLER	SERVER	86140		O				
1	B41	BAG-N-THE-BOX	LANCER CORP	85-1803-3512		O				
1	B42	HOT TOPPING DIPPER	SERVER	DI-1 92000		O				
2	B43	BLENDERS	VITAMIX	36019		O				
1	B43.1	ADDITIONAL CONTAINERS - BLENDER	VITAMIX	015978		O				
1	B43.2	RINSOMATIC	VITAMIX	001442		O				
1	B44	ICE CONTAINER	CORNELIUS	1522-2123		O				
1	B45	SMOOTHIE TABLE WITH HAND SINK & RINSER - 60"	FRANKE	18005442		O				
2	B46	MOBILE TABLE 42"L X 30"D	FRANKE			O				
1	B47	LETTUCE KUTTER	NEMCO	N55650-2SR		O				
1	B47.1	LETTUCE SPINNER	CHEF MASTER	90005		O				
1	B48	CASHIER STAND FOR DRIVE-THRU	FAB	M2770		O				
1	B49	ONION TOMATO SLICER	NEMCO	56750-1SR		O				
1	B50	WALL MOUNTED 10-CUP DISPENSER BRACKET	FRANKE	CUSTOM		O				
1	B51	CONVEYER TOASTER	STAR	QCSE2-2-600H		O				
1	B52	BULK CREAMER MACHINE	SERVER	86248		O				
-	B53	DRY STORAGE SHELVING	METRO	1854 NK3		O				
6	B54	SHELVING, COOLER	METRO	COOLER SHELVING 24"x48"		O				
-	B54	DRY STORAGE SHELVING	METRO	2442 NK3						
4	B54.1	SHELVING, COOLER	METRO	COOLER SHELVING 18"x36"		O				
3	B54.2	SHELVING, COOLER	METRO	COOLER SHELVING 18"x48"		O				
1	B54.3	SHELVING, COOLER	METRO	COOLER SHELVING 24"x54"		O				
4	B55	SHELVING, FREEZER	METRO	FREEZER SHELVING 24"x36"		O				
3	B55.1	SHELVING, FREEZER	METRO	FREEZER SHELVING 24"x48"		O				
3	B55.2	SHELVING, FREEZER	METRO	FREEZER SHELVING 24"x60"		O				
7	B56	DRY STORAGE SHELVING	METRO	2448 NK3		O				
1	B57	DIGITAL MENU BOARD - 4 PANEL	LSI INDUSTRIES	DIGITAL MENU BOARD 4 PANELS		O				
1	B57.1	TOY DISPLAY AT FRONT COUNTER				O				
1	B58	LOCKERS - 24 MIN WITH CENTER ROD				O				
1	B59	STOCK LEVEL LIGHT SYSTEM, W/ DRIVE-THRU CONTROL 120V	REDI-CALL	99BK		O				
4	B60	EXTERIOR SIGNAGE - 72" DIA.				O				
-	B61	EXTERIOR SIGNAGE AT ENTRY - 4'-0" DIA.								
-	B62	EXTERIOR SIGNAGE - 12'-0" L - EXISTING		RELOCATED		O				
1	B63	REFRIGERATED SYRUP DISPENSER	SERVER	CC13		O				
1	B64	COUNTER SIGN				O				
1	B65	CONDIMENT STAND	SEATING CONCEPTS	CONDIMENT COUNTER	O					
1	B66	SERVICE COUNTER	-	-		O				
1	B67	MOP SINK		TO BE REPAIRED		O				
-	B68	32"x39" COUNTER	INTERMETRO	VERIFY SIZE IN FIELD						
-	B69	MONUMENT SIGN - EXISTING				O				
1	B70	QUEUE RAILING	-	SUPPLIED BY EQUIP. CONTRACTOR	O					
3	B71	INDOOR TRASH RECEPTACLE (WITH TRAY ATTACHMENTS)	-	-						
-	B72	SHORTENING DISPOSAL (PUMP)	-	-		O				
3	B73	IMPULSE SIGNAGE	-	-		O				
1	B74	CIGARETTE URNS - BLACK	-	-		O				
-	B75	CIGARETTE SMOKELESS SNUFFER	-	-						
-	B76	OUTDOOR PLANTER	-	-						
1	B77	EXTERIOR BENCH				O				
5	B78	P.O.S. DEVICE	BY AAFES	-	-	-	-			
5	B79	P.O.S. PRINTER DEVICE	BY AAFES	-	-	-	-			
5	B80	CASH DRAWER	BY AAFES	-	-	-	-			
1	B81	SAFE	ARMOR	432		O				
-	B82	INDOOR PLAY EQUIPMENT	SOFTPLAY	3 LEVEL	BY OWNER'S VENDOR	O				
-	B83	HOT AND COLD DISPLAY		-		O				
-	B84	DT CASHIER COUNTER (4) 33"H, POSTS (2)-18"x36" SHELVES	INTERMETRO CORP	-		O				
-	B85	DT CASHIER COUNTER (4) 33"H, POSTS (1)-18"x36" SHELVES	INTERMETRO CORP	-		O				
-	B86	INDOOR PLAY EQUIPMENT	SOFTPLAY	3 LEVEL	BY OWNER'S VENDOR	O				
-	B87	BABY HIGH CHAIRS		-						
-	B88	DT CASHIER COUNTER (4) 33"H, POSTS (2)-18"x36" SHELVES	INTERMETRO CORP	-						
-	B89	DT CASHIER COUNTER (4) 33"H, POSTS (1)-18"x36" SHELVES	INTERMETRO CORP	-						
1	B90	40B-C FIRE EXTINGUISHER (H/D VEHICLE BRACKET)		-		O				
1	B90A	4A-80B-C FIRE EXTINGUISHER (H/D VEHICLE BRACKET)				O				
1	B90B	K EXTINGUISHER (PLACARD PER NFPA 10 AND H/D VEHICLE BRACKET)				O				
1	B90C	RECESSED FIRE EXTINGUISHER - DINING				O				
-	B91	DUAL COLOR TIMERS	HME	11303		O				
1	B93	COOLER / FREEZER	TMP CO. INC			O				
2	B94	FLAT SCREEN TV - 52"				O				
1	B95	OFFICE WORK COUNTERS, CABINETS & SHELVING				O				
1	B96	BRUSH CABINET	TAYLOR	EEC1		O				
1	B97	ROLLER SHADES	REFER TO SPECIFICATIONS			O				
1	B98	GOLD PEAK TEA - DINING	COCA-COLA			O				
1	B99	ICED TEA DISPENSER - DRIVE THRU	BUNN	TDO-N-3.5 ICED TEA DISPENSER		O				
1	B99.1	COFFEE-TEA BREWER (FRONT COUNTER)	BUNN	ITCB		O				
1	B99.2	WIRE RACK CUP-LID HOLDER				O				
1	B99.3	FUTURE COFFEE MACHINE				O				
1	B99.4	DECORATIVE L-SHAPED PANEL				O				
1	B100	TF COFFEE SERVER	BUNN			O				

FURNISH / INSTALL LEGEND:

A = DECOR TO FURNISH & INSTALL THROUGH G.C.
B = AAFES TO FURNISH - G.C. TO INSTALL
C = G.C. TO FURNISH - G.C. TO INSTALL
D = G.C. TO FURNISH - SUBCONTRACTOR TO INSTALL
F = AAFES TO FURNISH - AAFES TO INSTALL
G = G.C TO FURNISH - SUBCONTRACTOR TO INSTALL

NOTE:

1. AAFES TO PROVIDE ALL CUT SHEETS FOR NEW EQUIPMENT SCHEDULED FOR NEW KITCHEN. GENERAL CONTRACTOR TO VERIFY ALL ROUGH IN WORK AND REQUIREMENTS WITH MANUFACTURE AND MEP PRIOR TO INSTALLATION.



EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #1449
morris + associates
Build on Our Strengths
12715 TELGE ROAD
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
BURGER KING EQUIPMENT PLAN

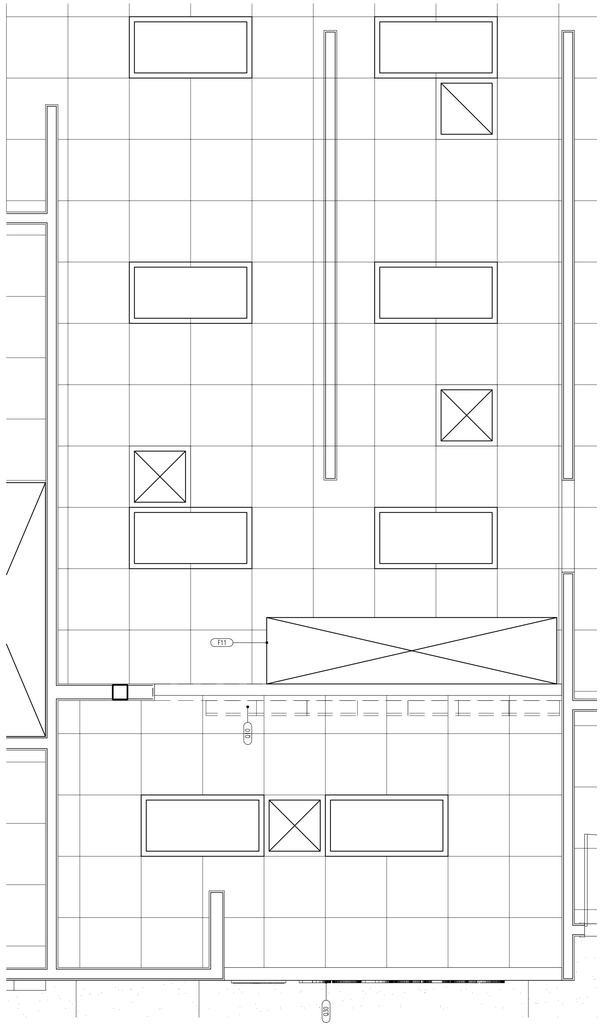
DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.12
DRAWING/PROJECT NO: 0530-06-000005		OF

QTY.	TAG	DESCRIPTION	MANUFACTURER	MODEL	FURNISH/INSTALL		ELECTRICAL						WATER			WASTE		GAS		REMARKS
					FURNISHED BY	INSTALLED BY	FL-amps	KW	HP	VOLTS	PHASE	PROVIDE CIRCUIT & PLUG	FILTERED	COLD	HOT	DIRECT	INDIRECT	SIZE	MBTUH	
1	A10.U5	Fryer Battery, 5-20", Gas	Ultrafryer Systems	PAR2F-028-CFS5-U25P	A	A	15.0		1/4	120	1	X						1.00	375	
1	A31	Marinator – (reduced height)	Falcon Fabricator Nashville	FFM-1 (67-365)	A	A	5.0			115	1	X								
1	A37.L	Sink, 1 Compartment, Left Hand Drain Board, 36"	Universal Stainless	1N1824-LD36	A	A								0.50	0.50	2.00			0	
1	A47.4	Ice Batter/Sifter Table, 4 Pans, 100"	Kitchen Equip. Supplier	Custom	A	A	2.3	0.3		115	1	X					0.50			
1	A54	Freezer, Upright	Delfield	6125NL-S	A	A	12.0		1/2	115	1	X							0	
1	B10	Oven, 1/2 Size, Double Deck Convection, Elec.	Blodgett	2-CTB	A	A	(2)24	(2)6		208	3	X							0	
1	B60	Refrigerator, Upright	Delfield	6025-NLS	A	A	12.0		1/3	115	1	X							0	
1	B65	Biscuit Holding Unit	Kitchen Equip. Supplier	Custom	A	A	4.5	1.44		120	1	X							0	
1	C10.27	Refrigerator, Sandwich Unit	Delfield	4427-6	A	A	6.5		1/5	115	1	X							0	
1	C20	Toaster, Vertical Contact	Prince Castle	297-T20	A	A	13.0	1.5		115	1	X							0	
1	C30	Product Holding Unit	Hatco	GRWI	A	A	4.5	0.545		115	1	X							0	
1	C30.1	Wall Mounted Shelf, Holding Unit, Wrap	Kitchen Equip. Supplier	CUSTOM	A	A													0	
2	D10.30	Work Table, w/ 4" backsplash w/ u/s	Kitchen Equip. Supplier	303036-B-US	A	A													0	
1	D10.60	Work Table, w/ 4" backsplash w/ u/s	Kitchen Equip. Supplier	603036-B-US	A	A													0	
2	D11.36	Work Table, w/ 4" backsplash w/o u/s	Kitchen Equip. Supplier	363036-B-X	A	A													0	
2	D20	Microwave Oven	Amana	HDC-18	A	A	20.0	4.0		208	1	X							0	
1	D22	Shelf, Microwave Oven	Kitchen Equip. Supplier	MOS-2126 Custom	A	A														
1	D30	Packing Station w/Cup Dispenser & Dipper Well	Kitchen Equip. Supplier	CUSTOM	A	A	6.0	1.24		208	1	X		0.50		2.00			0	
2	D70	Dispenser, Hot Water w/Wall Bracket	Bunn-O-Matic	HSX-40-208	A	A	19.2	4.03		208	1	X		0.25					0	
1	D81	Chubb Warmer, Elec. Rethermalizer	Ultrafryer Systems	RED-1620	A	A	47.6	9.5		208	1	X		0.25			1.50		0	
1	D90	Holding Cabinet, Reach-In	Winston	HA-4522POP	A	A	17.6	2.11		120	1	X							0	
1	D92	Side Items Holding Unit, Pass-Thru	Prince Castle	DHB-P1A	A	A	13.87	3.33		208	1	X								
1	D94	Dedicated Holding Unit, 12 Pans(4x3H)	Prince Castle	DHB3PT-41	A	A	23.7	5.7		208	1	X								
1	E30.84	Chicken Crate Vat, 84 1/2" Long	Kitchen Equip. Supplier	CCV-84	A	A													0	
1	F11	Exhaust Hood, Fryer, EZ Over, 5-20"	Vent Master	GL-L	C	C	15.0/5.8			120	1	X							0	Ex 1 1/2 HP 1560 CFM, Su 1/3 HP, 965 CFM
1	G10.36	Shelving, 4Tier, 24" Wide, 36" Long	Intermetro	Metrosend	A	A													0	
1	G10.42	Shelving, 4Tier, 24" Wide, 42" Long	Intermetro	Metrosend	A	A													0	
2	G10.48	Shelving, 4Tier, 24" Wide, 48" Long	Intermetro	Metrosend	A	A													0	
1	G10.60	Shelving, 4Tier, 24" Wide, 60" Long	Intermetro	Metrosend	A	A													0	
1	G10.72	Shelving, 4Tier, 24" Wide, 72" Long	Intermetro	Metrosend	A	A													0	
1	G30.36	Shelving, 2 Tier Wall Mounted, 36" Long	Intermetro	Erecta	A	A													0	
1	G30.42	Shelving, 2 Tier Wall Mounted, 42" Long	Intermetro	Erecta	A	A													0	
4	G30.48	Shelving, 2 Tier Wall Mounted, 48" Long	Intermetro	Erecta	A	A													0	
1	G40.36	Dunnage Rack, 24" Wide x 36" Long	Kelmax	Channel	A	A													0	
2	G40.48	Dunnage Rack, 24" Wide x 48" Long	Kelmax	Channel	A	A													0	
1	G40.60	Dunnage Rack, 24" Wide x 60" Long	Kelmax	Channel	A	A													0	
1	G61.24	Shelving, 2 Tier,Undercounter w/ 34" Posts, 18"x24"	Intermetro	Super Erecta	A	A													0	
2	G61.30	Shelving, 2 Tier, Undercounter w/ 34" Posts, 18"x30"	Intermetro	Super Erecta	A	A													0	
1	H12.2	Bird Cage, EZ Over, 5-20"	Kitchen Equip. Supplier	Custom	A	A	60.0			115/208	1	X							0	Verify Dimension & Utilities with K.E.S.
1	H12.2P	Production Counter, EZ Over, 5-20"	Kitchen Equip. Supplier	Custom	A	A	4.3	0.9		208	1	X		0.50		2.00			0	Verify Dimension & Utilities with K.E.S.
1	J10	Front Service Counter	General Contractor	FSC	C	C													0	
1	J20	Cash Controller	NKL Industries	W-101	A	A													0	
1	J31	Suspended Condiment Holder	Cambro	#12R12	A	A													0	
1	J41	Refrigerator, Undercounter	Delfield	406-CA	A	A	5.0		1/5	120	1	X							0	
2	J51	Cup Dispenser Bracket, 2 San Jamar 2410C Dispensers each	Kitchen Equip. Supplier	Custom	A	A														
1	L45	Trash Receptacle, Exterior	Wausau Tile	TF1015	A	A													0	
1	L46	Trash Receptacle, Exterior	Wausau Tile	TF1021	A	A													0	
1	M30	Safe	NKL Industries	BSD 292020 ABAX	A	A	5.0	0.6		115	1	X							0	
1	N10	Hand Sink, w/ Hand Free Lever	Advanced Tabco	7-PS-50	A	A								0.50	0.50	1.50			0	
1	N40	Fire Extinguisher	Ansul	2 ABC/1K	C	C													0	
1	N50	Fire Protection System	Ansul	R-102	C	C													0	
1	N60	Flour Bin	Cambro	IBS27	A	A													0	
1	N61	Rice Bin	Cambro	IBS27	A	A													0	
2	P10	Cash Drawer	P.O.S. System		A	A													0	
2	P20	Cash Register	P.O.S. System		A	A				115	1	X							0	Isolated Circuit
2	P30	Printer	P.O.S. System		A	A				115	1	X							0	Isolated Circuit
1	Q10	Menuboard, 7 Panels	LSI	Custom	A	C				115	1	X								
1	Q20	Menuboard, Drive-Thru	LSI	Custom	A	C				115	1	X								
1	Q21	Remote Speaker Tower, Drive-Thru	LSI	Custom	A	C				115	1	X								
1	Q22	Preview Board, Drive-Thru	LSI	Custom	A	C				115	1	X								
1	Q23	Clearance Post, Drive-Thru	AAA Sign	Custom	A	C														
1	Q30	Sign Logo	AAA Sign	HBC-10	A	C				115	1	X								

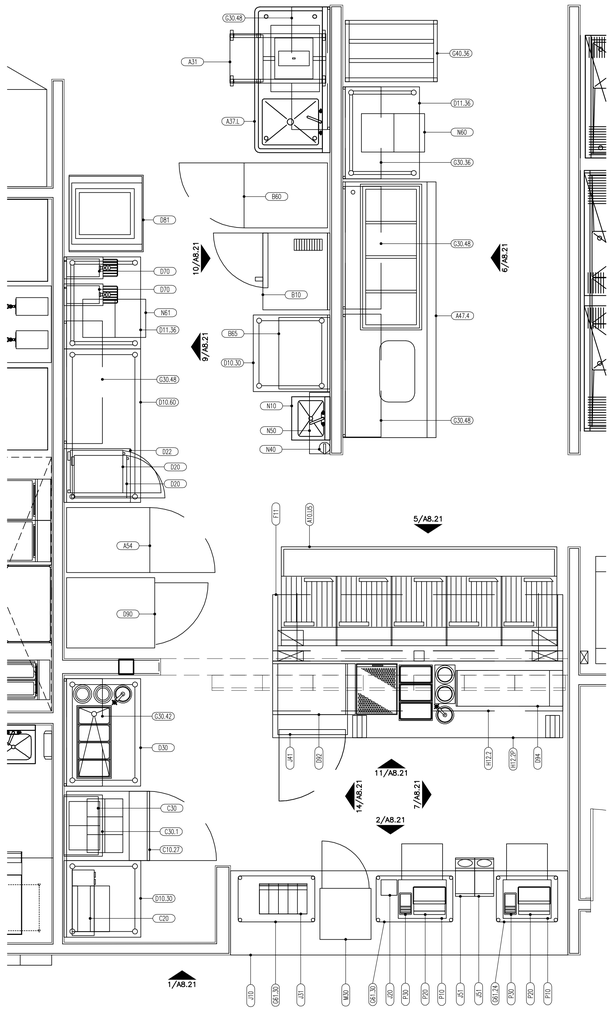
GENERAL NOTES:

A – AAFES
C – CONTRACTOR

POPEYE'S EQUIPMENT SCHEDULE 1/2" = 1'-0" 3



POPEYE'S RCP 1/2" = 1'-0" 9



POPEYE'S EQUIPMENT PLAN 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON 2-16-09 STATE OF TEXAS

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449

morris + associates
Build on Our Strengths

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

POPEYE'S PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.20

DRAWING/PROJECT NO: 0530-06-000005

OF_____

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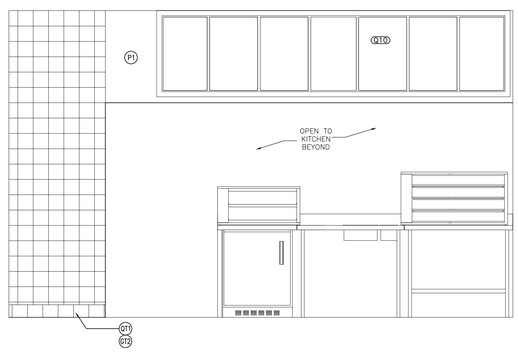
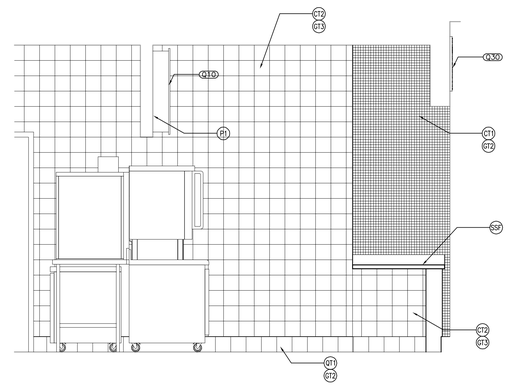
ROOM FINISH SCHEDULE									
ROOM		FLOORS		WALLS				CEILING	
NO.	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	MATL	HEIGHT
101A	POPEYE'S	QT1/GT2	QTB/GT2	P1/CT2/GT3	CT1/GT2 CT2/GT3	CT2/GT3	CT1/GT2 CT2/GT3	ACT	10'-0"
101B	POPEYE'S COOLER	QT1/GT2	-	-	-	-	-	-	-
101C	POPEYE'S FREEZER	-	-	-	-	-	-	-	-

FINISH LEGEND				
REFERENCE	ITEM	MANUFACTURER / PRODUCT	COLOR	FINISH / DESCRIPTION
SSF	SOLID SURFACE	DUPONT - CORIAN	CINNABAR	1/2" THICK
WT1	WOOD TRIM	RED OAK	GC MINWAX - 607 CHERRY	SATIN - 1 COAT STAIN, 2 COATS POLY
CT1	CERAMIC TILE	DAL TILE - SONTERRA GLASS TILE	CUSTOM MIX	IRIDESCENT
CT2	CERAMIC TILE	DAL TILE - SEMI GLOSS	0100 WHITE	6" x 6"
GT2	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	145 LIGHT SMOKE	USE WITH CT1 AND QT1
GT3	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	BONE	USE WITH CT2
QT1	QUARRY TILE	DAL TILE	0042 ARID GRAY	6"X6" W/ ABRASIVE GRAIN
QTB	QUARRY TILE	DAL TILE	0-3565 ARID GRAY	5" x 6" - COVE BASE
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG CLEANROOM	WHITE	2' x 2', WHITE GRID
WC	VINYL WALL MURALS	AP/A/ZIP/DI - PEEL AND STICK	CUSTOM SPECIAL GRAPHIC	FRONT COUNTER MURAL - AF/CI
P1	PAINT	BENJAMIN MOORE 2169-10	RACING ORANGE	SEMI GLOSS

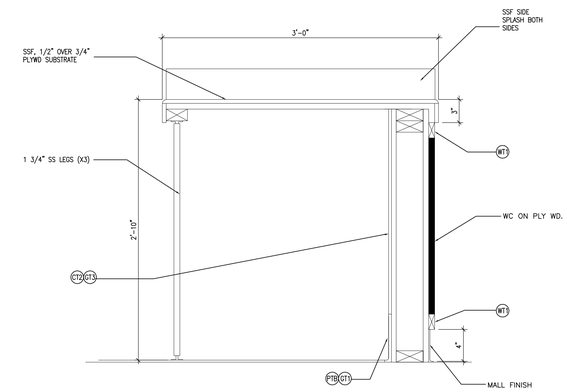
POPEYE'S FINISHES 1/2" = 1'-0" 4



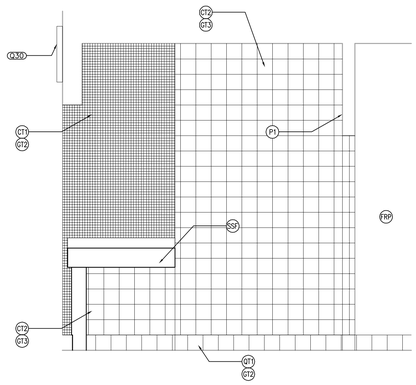
POPEYE'S ELEVATION 1/2" = 1'-0" 11



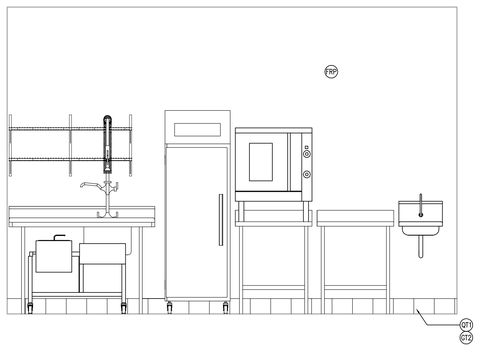
POPEYE'S ELEVATION 1/2" = 1'-0" 7



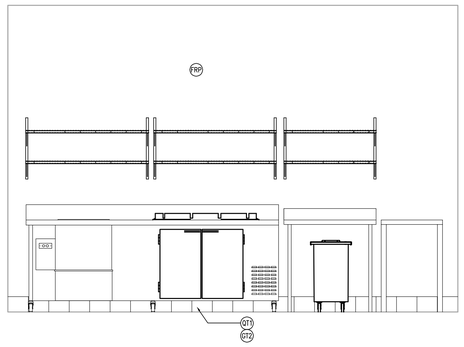
POPEYE'S MILLWORK 1-1/2" = 1'-0" 3



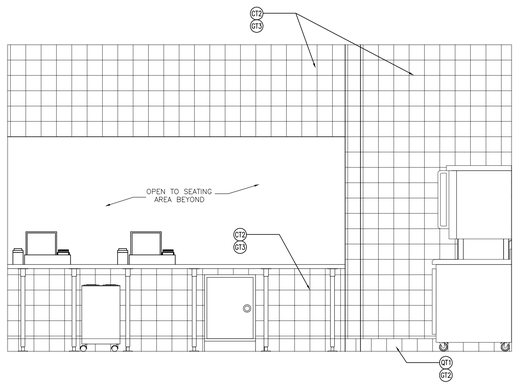
POPEYE'S ELEVATION 1/2" = 1'-0" 14



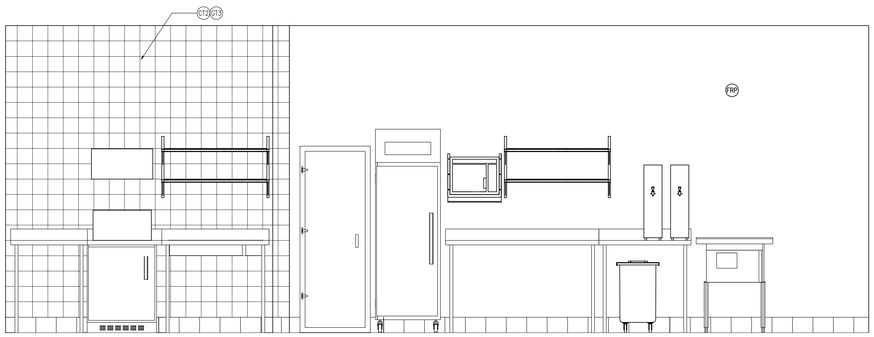
POPEYE'S ELEVATION 1/2" = 1'-0" 10



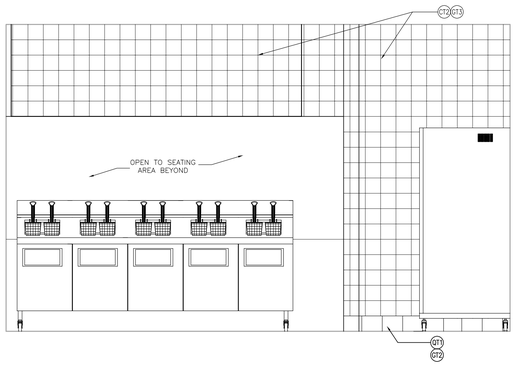
POPEYE'S ELEVATION 1/2" = 1'-0" 6



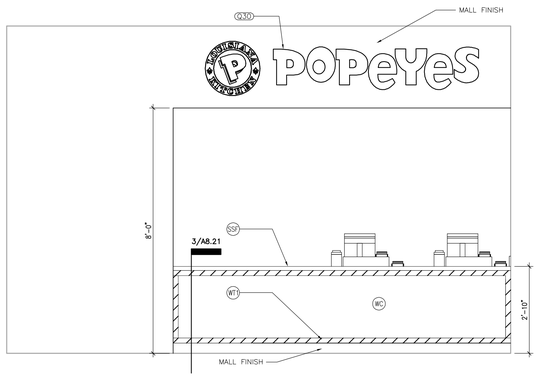
POPEYE'S ELEVATION 1/2" = 1'-0" 2



POPEYE'S ELEVATION 1/2" = 1'-0" 9



POPEYE'S ELEVATION 1/2" = 1'-0" 5



POPEYE'S ELEVATION 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #1449
morris + associates
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PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
POPEYE'S
ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.21
DRAWING/PROJECT NO: 0530-06-000005		OF

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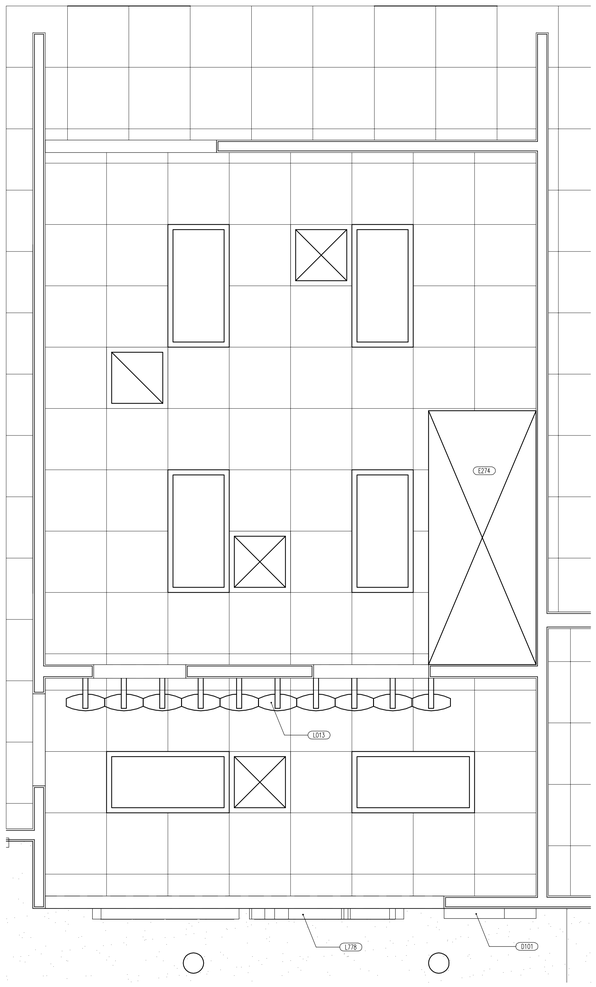
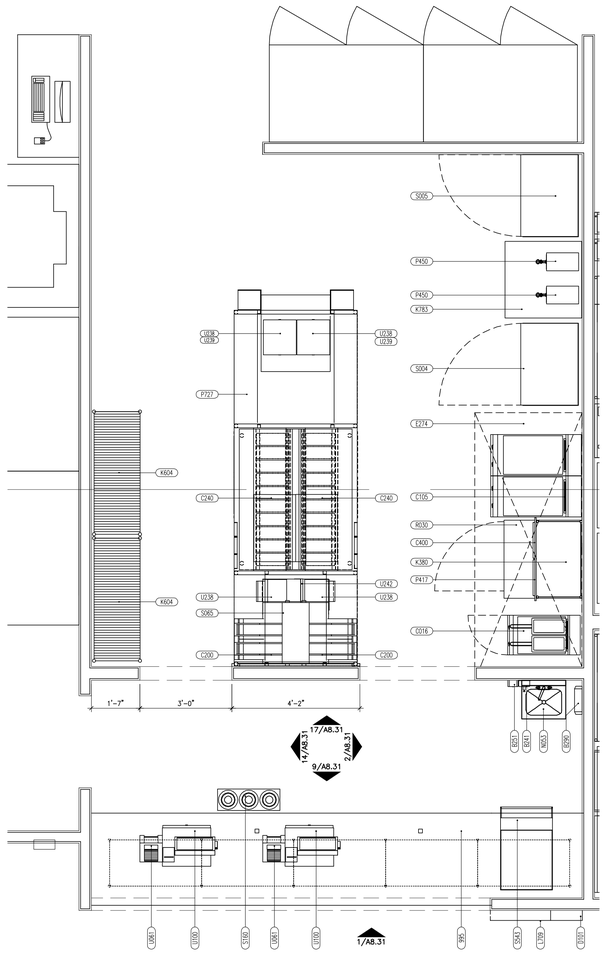
TACO BELL EQUIPMENT SCHEDULE

ITEM #	QTY	EQUIPMENT	MANUFACTURER	MODEL	SIZE Width	SIZE Depth	SIZE Height	ELECTRICAL Volts	ELECTRICAL Phase	ELECTRICAL Amps	PLUMBING Cold Water	PLUMBING Hot Water	PLUMBING Waste	MECHANICAL Gas	MECHANICAL BTU/H	DEMOLISHED	INSTALLED	REMARKS
938	1	QUILTED S.S. WALL PANEL	QUALSERV	QSM0000011	96"	80"	–	–	–	–	–	–	–	–		A	C	MICHELLE MELGOSA 715-475-9989
939	1	QUILTED S.S. WALL PANEL	QUALSERV	QSM0000004	42"	–	80"	–	–	–						A	C	MICHELLE MELGOSA 715-475-9989
995	5	WIRE SHELVING	INTERMETRO	18368R – 2 SHELVES W/4" CASTERS	36"	18"	18.5"	–	–	–	–	–	–	–	–	A	A	14.5" TALL POSTS
B241	1	SOAP DISPENSER	KAY CHEMICAL	3675				–	–	–	–	–	–	–	–	A	A	WALL MOUNT
B251	1	SANITIZER DISPENSER	KAY CHEMICAL	3675	4.75"	4.5"	11"	–	–	–	–	–	–	–	–	A	A	WALL MOUNT
B290	1	PAPER TOWEL DISPENSER	BOBRICK	–	10.75"	4"	14"	–	–	–	–	–	–	–	–	A	A	WALL MOUNT
C016	1	GAS FRYER	FRYMASTER	YFPH155	15.63"	35.69"	45.3"	–	–	–	–	–	–	3/4"	80000	A	A	PROVIDE QUICK DISCONNECT FOR GAS
C105	1	SOLSTICE GAS RETHERMALIZER	PITCO	TB-SRTG14-2	32.25"	35.25"	45.75"	–	–	–	–	1/2"	1.25"	3/4"	55000/TANK	A	A	PROVIDE QUICK DISCONNECT FOR GAS
C200	2	SPECIALTY SMOOTH TWO SIDE GRILL	STAR MANUFACTURING	QR14SPT	16"	23.125"	14.375"	120	1	19.2	–	–	–	–	–	A	A	–
C240	2	CHEESE MELTER	A.J. ANTUNES	TBS-2X	26.3125"	16.375"	9.375"	208	1	15.8	–	–	–	–	–	A	A	–
C400	1	MULTI DISPLAY TIMER	FAST TIMER	1200	13.2"	2.6"	4.6"	120	1	–	–	–	–	–	–	A	A	–
D101	1	BRANDING WALL	3 FORM	–	36"	–	107.25"	–	–	–	–	–	–	–	–	A	A	–
E274	1	EXHAUST HOOD	REF MECHANICAL	–	–	–	–	–	–	–	–	–	–	–	–	C	C	–
K380	1	FRYER WORKSTATION	METRO	FWS3030Y	30"	30"	74.88"	–	–	–	–	–	–	–	–	A	A	–
K604	4	WIRE SHELVING	INTERMETRO	–	48"	24"	86"	–	–	–	–	–	–	–	–	A	A	–
K783	1	WORK TABLE	AERO	3TS-3030	30"	30"	35"	–	–	–	–	–	–	–	–	A	A	–
L013	1	10 PANEL MENU BOARD	HOWARD	REVOLUTION	150"	12.8"	25.41"	120	1	4.8	–	–	–	–	–	A	A	–
L709	1	ILLUMINATED-TB ARTLITE BELL ICON	SHULIT INDUSTRIES	4032	34"	3/4"	32"	120	1	–	–	–	–	–	–	A	C	LED LIGHT SYSTEM
L710	1	COUNTER FACE LIGHT BOX	SCHULIT INDUSTRIES	5031 – LED SLIMLINE CL21	19.5"	5/8"	19.5"	120	1	–	–	–	–	–	–	A	C	SURFACE MOUNT
L778	1	CONCEPT SIGNAGE – 10" IND LETTERS W/ WHITE OUTLINE	ICON COMPANY	TB10 LINE	129.625"	3.375"	10"	–	1	.63	–	–	–	–	–	A	C	LED LIGHT SYSTEM
N053	1	HAND SINK-WALL MOUNTED	AERO	HS	17"	15"	17.25"	–	–	–	1/2"	1/2"	–	–	–	A	C	–
P417	1	MULTI DISPLAY TIMER	FAST TIMER	24-TB	16.4"	2.42"	6.29"	120	1	–	–	–	–	–	–	A	A	–
P450	2	HOT WATER DISPENSER	BUNN	HSX-4G-208	7"	12.8"	28.5"	208	1	19.2	1/4"					A	A	–
P727	1	DUAL DRY LINE	DELIFIELD	TB000P14	145"	46.18"	48.12"	208	3	200	–	1/2"	1.5"	–	–	A	A	PROVIDE FLOOR SINK
R030	1	UNDERCOUNTER FREEZER	DELIFIELD	407-CA	27.25"	27.75"	33.25"	–	–	–	–	–	–	–	–	A	A	–
S004	1	LH HOLDING CABINET	BEVLES	CS82-CH8	32.5"	22.5"	80"	120	1	16	–	–	–	–	–	A	A	–
S005	1	RH HOLDING CABINET	BEVLES	CS82-CH8	32.5"	22.5"	80"	120	1	16	–	–	–	–	–	A	A	–
S065	1	WARMER BUFFET	HATCO	GRSW-24D	25.125"	27"	17.75"	120	1	10.3	–	–	–	–	–	A	A	–
S160	1	3-CLIP AARES MOBILE DISPENSER	WASSERSTROM	360125	8.125"	24.125"	26.125"	–	–	–	–	–	–	–	–	A	A	–
S543	1	FRUITISTA FREEZE	LANCER	FB0	20.25"	32.3"	34"	215-245	1	20						A	A	3-BARREL DISPENSER – COUNTERTOP MOUNT
SWP	1	SMALLWARE PACKAGE	UFPC	CUT SHEET NOT AVAILABLE	–	–	–	–	–	–						A	A	–
U061	2	RECEIPT PRINTER	VERIFONE	OMNI 3750	7.3"	11.7"	7.3"	–	–	•						A	A	24 VDC AND 1.8 AMPS
U100	2	P.O.S. ORDER ENTRY TERMINAL	PARTECH	POS4XP	–	–	–	120	1	2.0						A	A	–
U238	4	MONITOR	MICROS	(15" SVGA) CUT SHEET NOT AVAILABLE	–	–	–	120	1	3.0						A	A	–
U239	2	SINGLE MONITOR-KDS-BRACKET	HANGING BRACKETS	FPD100	–	–	–	–	–	–						A	C	BRACKET TO BE INSTALLED BY CONTRACTOR
U242	1	DOUBLE MONITOR-KDS-BRACKET	HANGING BRACKETS	FPD1000DBL20	–	–	–	–	–	–						A	C	BRACKET TO BE INSTALLED BY CONTRACTOR
UVD4	1	STANCHIONS	LAVI INDUSTRIES	–	–	–	–	–	–	–						A	A	–

TACO BELL EQUIPMENT SCHEDULE 1/2" = 1'-0" | 4



TACO BELL RCP 1/2" = 1'-0" | 9



TACO BELL EQUIPMENT PLAN 1/2" = 1'-0" | 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

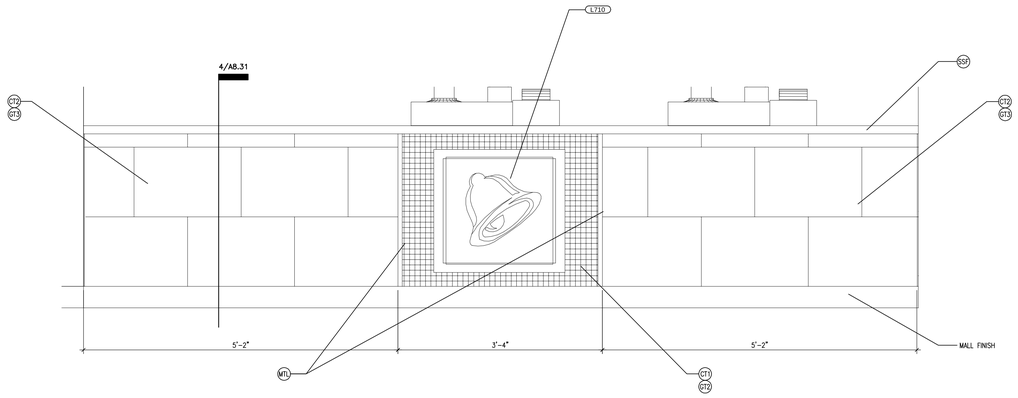
TACO BELL PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.30

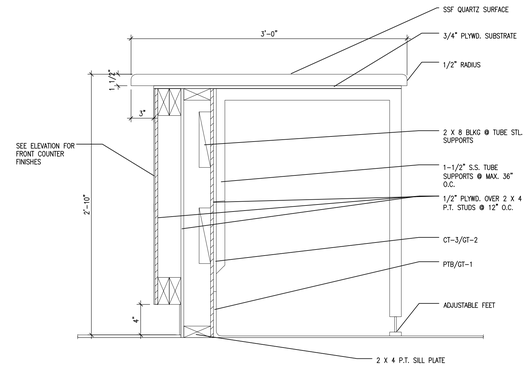
DRAWING/PROJECT NO: 0530-06-000005

OF

6/7/2012 5:14:32 PM



TACO BELL COUNTER ELEVATION 1" = 1'-0" 10



TACO BELL MILLWORK 1-1/2" = 1'-0" 4

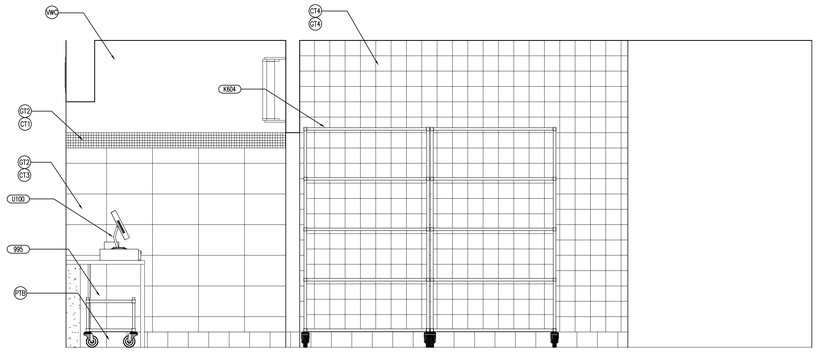
FINISH SCHEDULE

ROOM		Floor Finish	Base Finish	WALLS				CEILING		NOTES
NO.	NAME			NORTH	EAST	SOUTH	WEST	MATL	HEIGHT	
101	TACO BELL SERVERY	PT/GT-1	PTB/GT-1	VWC/PT-1/ PT-3/GT-2	VWC/PT-1/ PT-3/GT-2	VWC/PT-1/ PT-3/GT-2	VWC/PT-1/ PT-3/GT-2	APC	10'-0"	
102	TACO BELL KITCHEN	PT/GT-1	PTB/GT-1	CT-4/GT-4	CT-4/GT-4	CT-4/GT-4	CT-4/GT-4	APC	10'-0"	

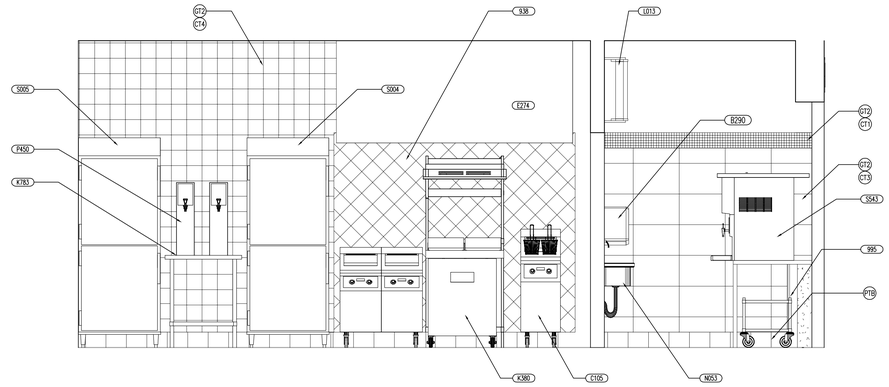
FINISH LEGEND

REFERENCE	ITEM	MANUFACTURER / PRODUCT	COLOR	DESCRIPTION / FINISH
SSF	QUARTZ SOLID SURFACE	CAMBRIA	1720 BROWNHILL	SERVERY COUNTERTOP
CT1	CERAMIC TILE	DAL TILE - CHARISMA	TACO BELL BLEND	1" x 1" - USE GT-2 GROUT
CT2	CERAMIC TILE	DAL TILE - VERANDA	P526 COPPER	13" x 20" - USE GT-3 GROUT - FRONT FACE SERVERY COUNTER
CT3	CERAMIC TILE	DAL TILE - CONTINENTAL SLATE	CS50 EQYPTIAN BEIGE	12" x 18" - USE GT-2 GROUT
CT4	CERAMIC TILE	DAL TILE - SEMI GLOSS	0100 WHITE	6" x 6" - USE GT-4 GROUT
GT1	GROUT	HYDROMENT - EPOXY GROUT	684 CHAR-BLACK	FLOOR GROUT
GT2	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	380 HAYSTACK	USE WITH CT-1 & CT-3
GT3	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	50 NUTMEG	USE WITH CT-2
GT4	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	BONE	USE WITH CT-4
PT	PORCELAIN TILE	CROSSVILLE - CROSS COLORS	A790 BURGUNDY SMOKE	8" x 8" CROSS DOT TEXTURE
PTB	PORCELAIN TILE BASE	CROSSVILLE - CROSS COLORS	A790 BURGUNDY SMOKE	6" X 8" COVE BASE
APC	ACOUSTICAL PANEL CEILING	USG CLEAN ROOM CLIMA PLUS	WHITE	2' x 4', DONN/DXLA GRID, WHITE
WC	VINYL WALLCOVERING	SCHULT	PURPLE AZTEC	-
P1	PAINT	SHERWIN WILLIAMS SW6839	KIMONO	SEMI GLOSS
MTL	METAL WALL TRIM	CSA	POWDER COAT BRONZE	-

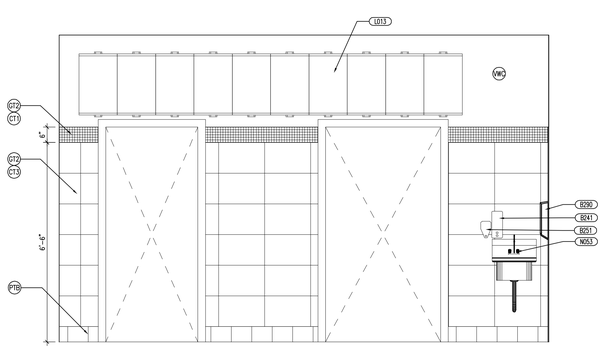
TACO BELL FINISHES NTS 3



TACO BELL ELEVATION 1/2" = 1'-0" 14



TACO BELL ELEVATION 1/2" = 1'-0" 2



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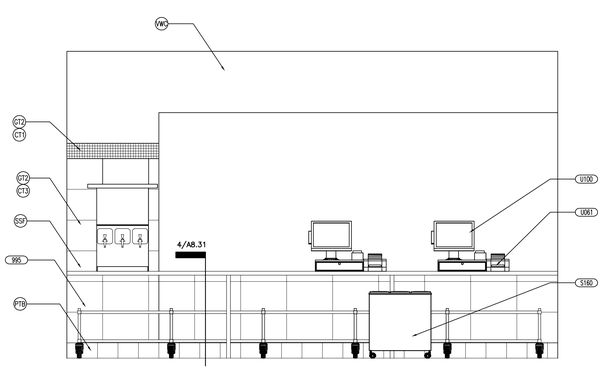
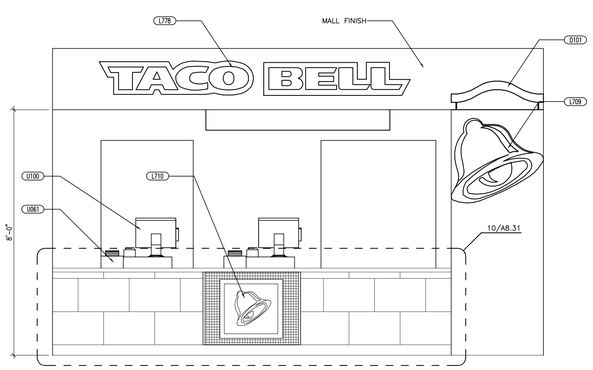


TACO BELL ELEVATION 1/2" = 1'-0" 9



TACO BELL ELEVATION 1/2" = 1'-0" 1

EXCHANGE™

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06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

TACO BELL ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.31
DRAWING/PROJECT NO: 0530-06-000005		OF

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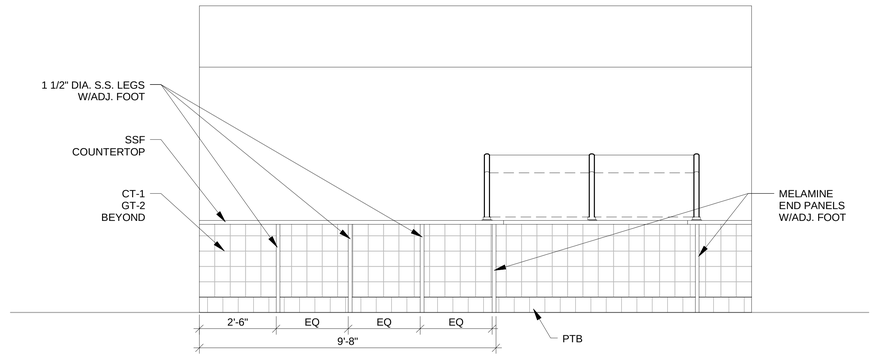
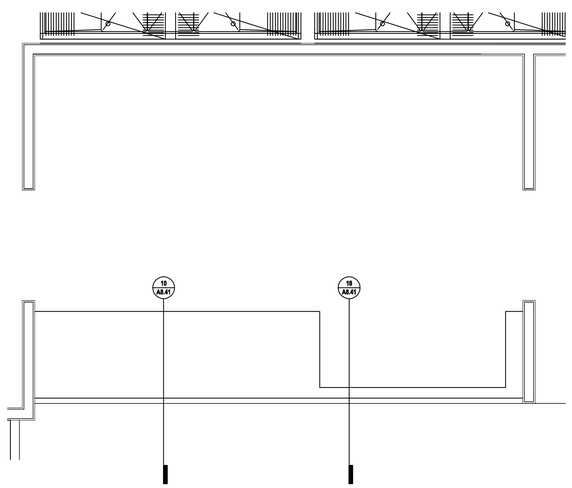


ANTHONY'S CASEWORK 1/2" = 1'-0" | 4

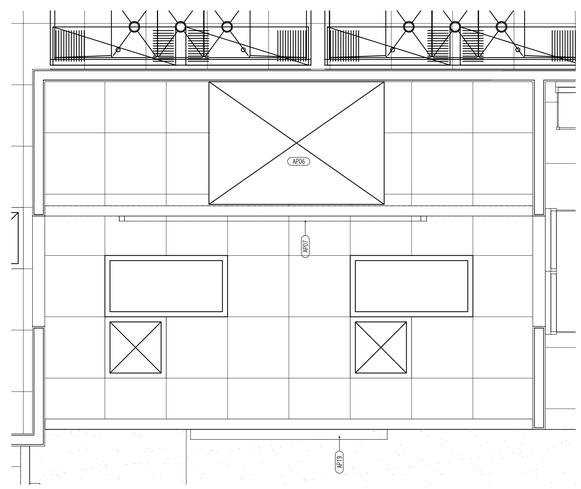
ANTHONY'S PIZZA EQUIPMENT SCHEDULE

ITEM #	QTY	EQUIPMENT	MANUFACTURER	MODEL	SIZE Width	SIZE Depth	SIZE Height	ELECTRICAL Volts	ELECTRICAL Phase	ELECTRICAL Amps	PLUMBING Cold Water	PLUMBING Hot Water	PLUMBING Waste	MECHANICAL Gas	MECHANICAL BTU/H	FURNISHED	INSTALLED	REMARKS
AP01	1	WORK TABLE 36" LONG	EAGLE GROUP	DELUXE: T3036STEB-BS W/ADJ. FEET	36"	30"	34.5"	–	–	–						A	A	NO UNDER SHELF
AP02	2	WORKTABLE 30" LONG	EAGLE GROUP	DELUXE: T3030STEB-BS W/ADJ. FEET	30"	30"	34.5"	–	–	–						A	A	NO UNDER SHELF
AP03	1	WORKTABLE 30" LONG W/ UNDER SHELF	EAGLE GROUP	DELUXE: T3030SEB-BS W/ADJ. FEET	20"	30"	34.5"	–	–	–						A	A	WITH UNDER SHELF
AP04	1	FOOD WARMER	SERVER PRODUCTS	FS-4 #9100	7.75"	8.125"	19.375"	120	1	15						A	A	–
AP05	1	PIZZA DOUGH PRESS AUTOMATIC	SOMERSET PIZZA	SDP-747	20.375"	25"	25.625"	120	1	12.5						A	A	–
AP06	1	EXHAUST HOOD AND FAN	REF. MECHANICAL DWGS	–	70.75"	–	–	–	–	–						C	C	–
AP07	1	DIGITAL MENU BOARD SET	SMART SIGN	SAMSUNG 400DX LCD MONITORS	147.5"	–	30.5"	120	1	10						A	C	–
AP08	1	OVEN CONVEYOR	MIDDLEBY MARSHALL	PS62WOW	60.75"	40"	59.5"	208	3	28						A	A	–
AP09	2	REFRIGERATOR-UNDERCOUNTER-COMPACT	SILVER KING	SKTTR7 W/MOBILITY	27"	26.125"	34.5"	115	1	35						A	A	–
AP10	2	DOUGH DOLLY BASKETS	QUADRA TECH	DOLLYPD	–	–	–	–	–	–						A	A	–
AP10A	16	BASKETS FOR DOUGH DOLLY	QUADRA TECH	BSKTPD	–	–	–	–	–	–						A	C	–
AP11	1	PIZZA MAKE UP TABLE	RANDELL	8268N	68"	17.7"	9 CF	115	1	9						A	A	–
AP12	1	P.O.S. CASH REGISTER W/DRAWER	MICROS/APG	ECLIPSE 4224R5-300 SERIES	–	–	–	120	1	2						A	A	–
AP12A	1	RECEIPT PRINTER	EPSON	TM-H6000II	7.3"	11.7"	7.3"									A	A	*24 VDC AND 1.8 AMPS
AP13	1	3-CUP AAFES MOBILE DISPENSER	WASSERTROM	360125 W/CASTERS	8.125"	24.125"	26.125"	–	–	–						A	A	–
AP15	1	CUTTING BOARD	–	SMALLWARE PACKAGE	24"	18"	–	–	–	–						A	A	–
AP16	1	WIRE SHELVING	INTERMETRO INDUSTRIES	W/74K69A STEM CASTER 5"D WHEEL W/BRAKE	30"	18"	28.5"	–	–	–						A	A	–
AP17	2	DISPLAY CASE HEATED	HATCO	FSDT-1 5 TIER RACK FSDT5TOR	30"	18"	–	120	1	12						A	A	–
AP18	2	WIRE SHELVING	INTERMETRO INDUSTRIES	2 SHELVES W/28.5" POSTS SWIVEL 4"D WHEELS W/BRAKES	30"	18"	–	–	–	–						A	A	–
AP19	1	ACTIVITY SIGN	STARLIGHT SIGN	ANTHONY'S PIZZA	–	–	–	–	–	–						A	C	PROVIDE SOLID PLYWD BACKING FOR SIGN MOUNTING
AP20	1	SNEEZE GUARD	WIZARD GLASS & METAL SPECIALTIES	SERIES 100-82	82"	10.125"	26.125"	–	–	–						A	A	39" CENTER TO CENTER OF POSTS
AP50	1	QUILTED S.S. WALL PANEL			68"	–	80"									A	A	
AP52	1	HOLDING CABINET DRAWER TYPE	WINSTON INDUSTRIES	HB35N2	16.2"	30.2"	24.3"	120	1	13.1						A	A	–
BH14	1	HAND SINK-WALL MOUNTED	ADVANCE TABCO	7-PS-51 W/K175 FAUCET	17.25"	15.25"	13"					1/2"	1/2"			A	A	HANDS FREE OPERATION
SWP	1	SMALLWARE PACKAGE	WASSERTROM	CUT SHEET NOT AVAILABLE	–	–	–	–	–	–						A	A	–
UVD4	1	STANCHIONS	LAVI INDUSTRIES	3000MB/BK;7 POSTS	–	–	–	–	–	–						A	A	–

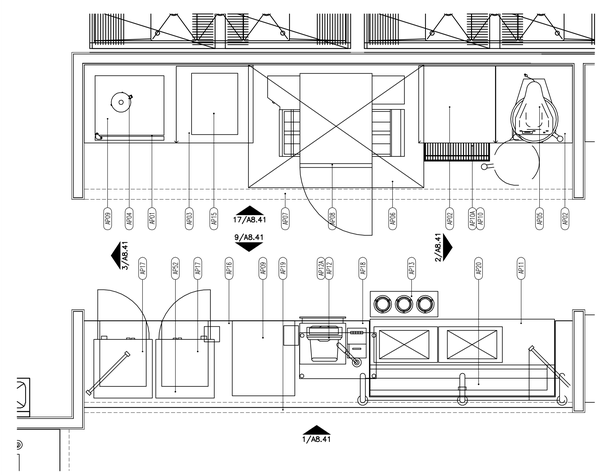
ANTHONY'S EQUIPMENT SCHEDULE 1/2" = 1'-0" | 3



ANTHONY'S MILLWORK PLAN 1/2" = 1'-0" | 13



ANTHONY'S RCP 1/2" = 1'-0" | 9



ANTHONY'S EQUIPMENT PLAN 1/2" = 1'-0" | 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #1449

morris+associates
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

ANTHONY'S PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.40

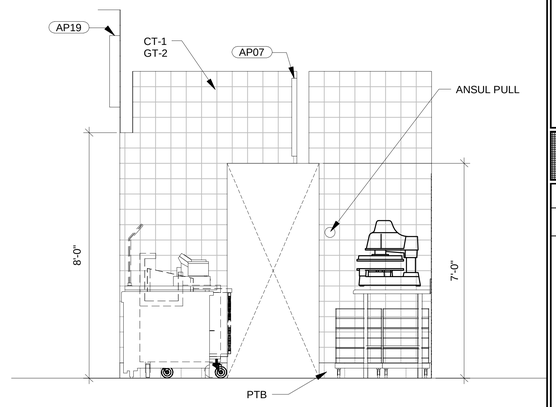
DRAWING/PROJECT NO: 0530-06-000005

OF

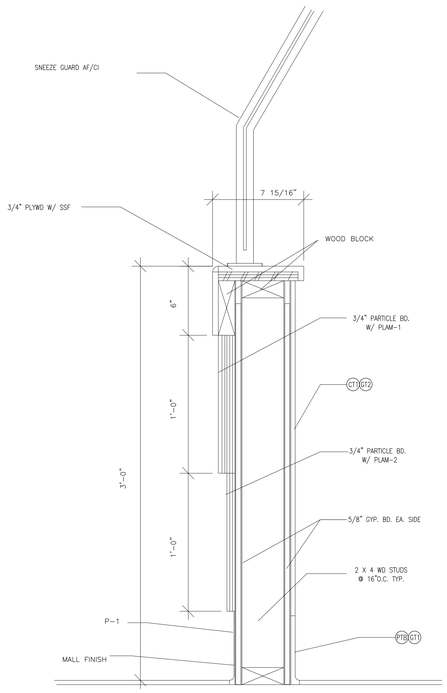
FINISH SCHEDULE									
Room		Floor	Base	Wall				Ceiling	
Number	Name			North	East	South	West	Finish	Height
126	ANTHONY'S PIZZA	PT/GT1	PTB/GT1	CT1/GT2	CT1/GT2	CT1/GT2	CT1/GT2	APC	10'-0"

FINISH LEGEND				
REFERENCE	ITEM	MANUFACTURER / PRODUCT	COLOR	FINISH / DESCRIPTION
PLAM-1	PLASTIC LAMINATE	FORMICA - 949-58	WHITE	MATTE FINISH - SERVERY COUNTER
PLAM-2	PLASTIC LAMINATE	FORMICA - 848-58	SPECTRUM RED	MATTE FINISH - SERVERY COUNTER
SSF	SOLID SURFACE	LG-HI MACS - 43	VERDE QUARTZ	COUNTERTOP
CT1	CERAMIC TILE	DAL TILE - SEMI GLOSS	0100 WHITE	6" x 6"
CT2	CERAMIC TILE	DAL TILE - SEMI GLOSS	0100 WHITE	4" x 4" - SERVERY COUNTER
CT3	CERAMIC TILE	AMERICAN OLEAN - BRIGHTS	103 HUNTER GREEN	4" x 4" - SERVERY COUNTER
CT4	CERAMIC TILE	AMERICAN OLEAN - BRIGHTS	121 RUBY RED	4" x 4" - SERVERY COUNTER
GT1	GROUT	HYDROMENT - EPOXY GROUT	684 CHAR BLACK	FLOOR GROUT
GT2	GROUT	CUSTOM BUILDING PRODUCTS - EPOXY GROUT	BONE	WALL GROUT
QT1	QUARRY TILE	DAL TILE	0042 ARID GRAY	6"X6" W/ ABRASIVE GRAIN
QTB	QUARRY TILE	DAL TILE	0-3565 ARID GRAY	5" x 6" - COVE BASE
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG CLEANROOM	WHITE	2' x 2', WHITE GRID
P-1	PAINT	SHERWIN WILLIAMS - SW1900	LUMINOUS WHITE	SEMI-GLOSS
MWP	METAL WALL PANELS	QUALSERVE - STAINLESS STEEL	MILL FINISH	

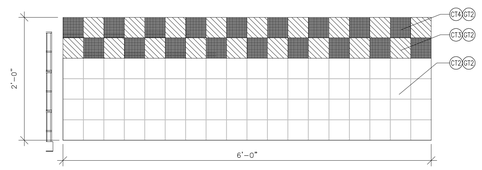
ANTHONY'S FINISHES 1/2" = 1'-0" 20



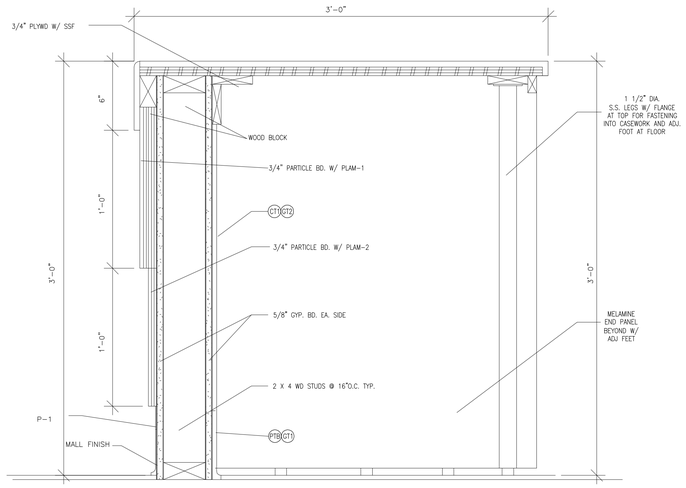
ANTHONY'S ELEVATION 1/2" = 1'-0" 3



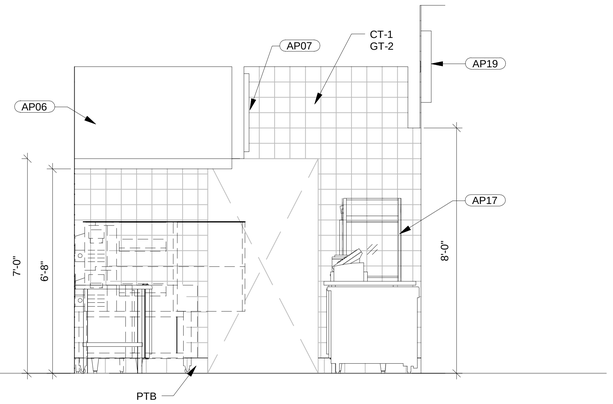
ANTHONY'S MILLWORK 1-1/2" = 1'-0" 18



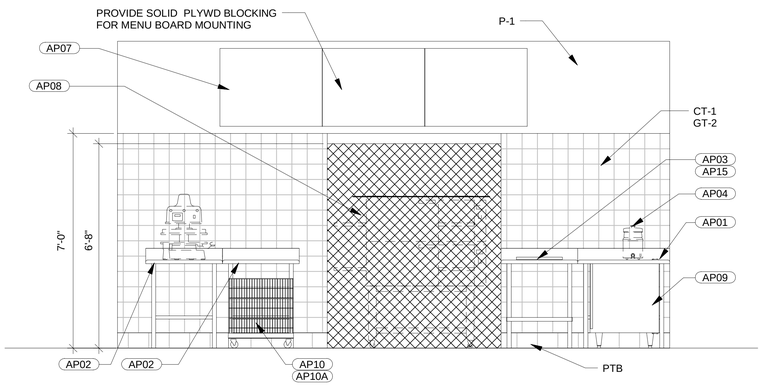
ANTHONY'S ELEVATION 1" = 1'-0" 11



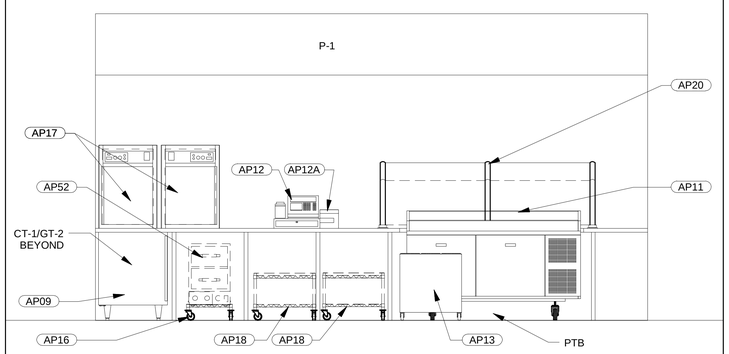
ANTHONY'S MILLWORK 1-1/2" = 1'-0" 10



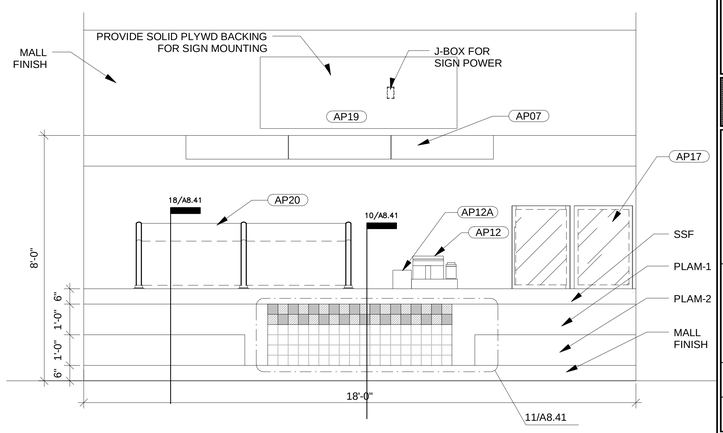
ANTHONY'S ELEVATION 1/2" = 1'-0" 2



ANTHONY'S ELEVATION 1/2" = 1'-0" 17



ANTHONY'S ELEVATON 1/2" = 1'-0" 9



ANTHONY'S ELEVATION 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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DATE: –

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

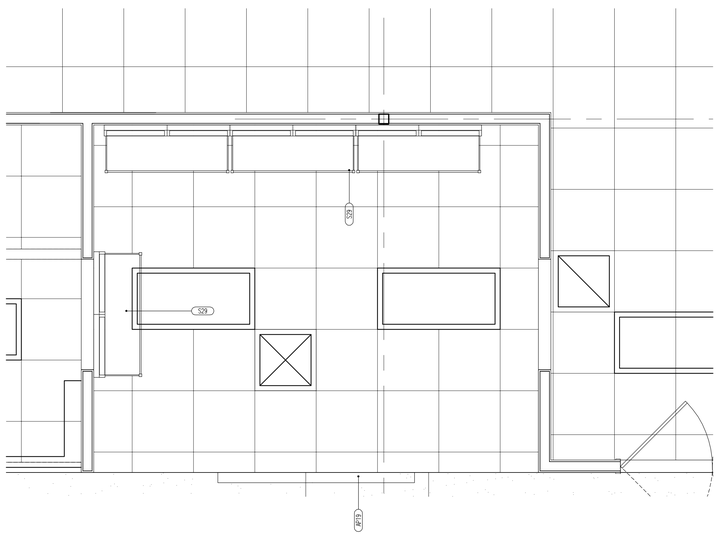
DRAWING TITLE:
ANTHONY'S ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.41
DRAWING/PROJECT NO: 0530-06-000005		OF___

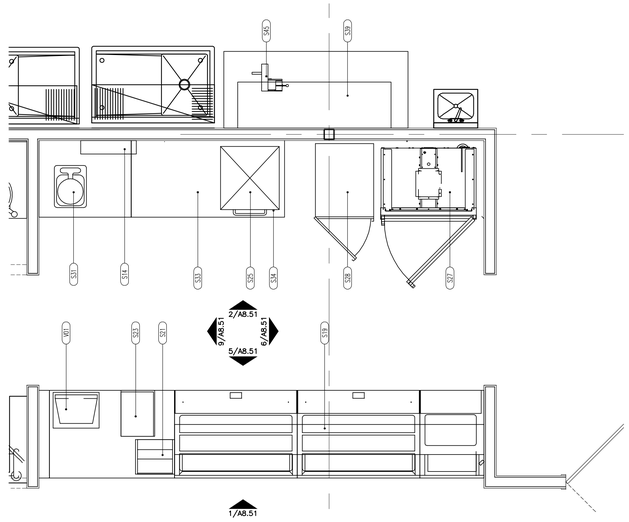
FURNITURE & EQUIPMENT SCHEDULE

ITEM #	QUANTITY	EQUIPMENT	MANUFACTURER	MODEL	SIZE			ELECTRICAL		PLUMBING			MECHANICAL					REMARKS
					Width	Depth	Height	Volts	Phase	Amps	Cold Water	Hot Water	Waste	Gas	BTU/H	Attitude	FURNISHED BY OWNER	INSTALLED BY OWNER	
AP19	1	ACTIVITY SIGN	STARLIGHT SIGN	–	–	–	–	–	–	–						A	C	PROVIDE SOLID PLYWD BACKING FOR SIGN MOUNTING
S14	1	CHIP RACK	FRITO-LAY	–	–	–	–	–	–	–						A	C	–
S19	2	FRONT COUNTER	SUBWAY/DUKE	34942-1	86"	43.25"	–	115	–	–						A	C	–
S21	1	COOKIE DISPLAY	ADVANC. DISP. IN PLASTIC INC.	–	–	–	–	–	–	–						AA		–
S23	1	SAFE	–	C.S.S./TIDEL	–	–	–	–	–	–						A	C	–
S25	1	MICROWAVE	SUBWAY	2403	21.625"	19.81"	14.75"	1201	–	20						A	C	–
S27	1	BREAD OVEN	SUBWAY	5700	36.125"	29"	76.75"	2081	–	30						AA		–
S28	1	ENCLOSED BREAD CABINET	SUBWAY	5646	22.75"	29.375"	72"	–	–	–						A	C	–
S29	4	VISUAL GRAPHIC MENU BOARD	SUBWAY	62107-6 PANEL	147.75"	–	24.5"	–	–	–						A	C	–
S31	1	BACKCOUNTER W/HAND SINK	SUBWAY	1546/1550	48.09"	29.5"	36"	–	–	–			1-1/2"			A	C	–
S33	1	REFRIGERATED BACK COUNTER	SUBWAY	1437	48.09"	30"	40"	1151	–	6.4						A	C	–
S34	1	MICROWAVE/CONVECTION OVEN	TURB-O-CHEF	MICRO/CONVECTION	26"	25.7"	23"	2081	–	30						A	C	–
S36	1	SINK	DUKE MANUFACTURING	–	–	–	–	–	–	–						A	C	–
S39	1	S.S. WORKTABLE	DUKE MANUFACTURING	–	72"	–	–	–	–	–						A	C	–
S40	2	WALL SHELF	INTER METRO	–	–	–	–	–	–	–						A	C	–
S41	1	VEGETABLE SINK	DUKE MANUFACTURING	–	–	–	–	–	–	–						A	C	–
S43	1	CLEANING PRODUCT RACK	SSDC	–	–	–	–	–	–	–						A	C	–
S45	1	NEMCO EASY SLICER	NEMCO, INC.	EASY SLICER	–	–	–	–	–	–						A	C	–
S49	1	STORAGE UNITS	INTER METRO	NOT AVAILABLE	24"	42"	72"	–	–	–						A	C	–
V01	1	P.O.S. CASH REGISTER DRAWER	–	NOT AVAILABLE	–	–	–	1201	–	2						AA		–

SUBWAY'S EQUIPMENT SCHEDULE 1/2" = 1'-0" 2



SUBWAY'S RCP 1/2" = 1'-0" 5



SUBWAY'S EQUIPMENT PLAN 1/2" = 1'-0" 1

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REGISTERED ARCHITECT JOHN D. LINTON 2-16-10 STATE OF TEXAS

06-08-12

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CHECKED BY: MZ/JL

DATE: –

FIRM #1449

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

SUBWAY PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.50

DRAWING/PROJECT NO: 0530-06-000005

OF_____

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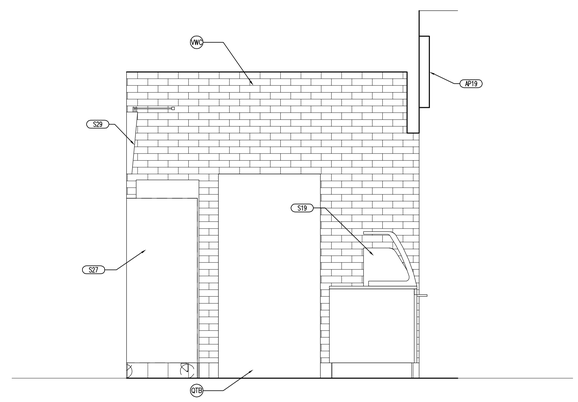
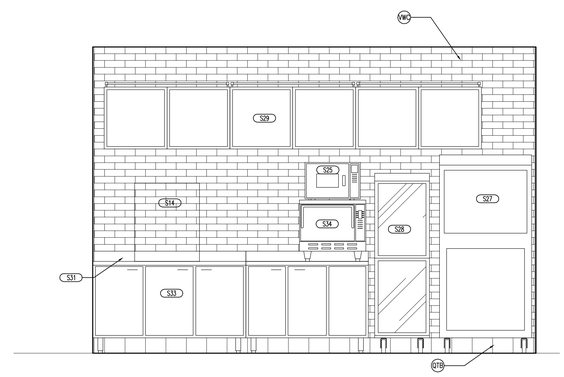
MATERIAL SCHEDULE						
CODE	MATERIAL	MANUFACTURER	NUMBER	COLOR/NAME	SIZE(S)	REMARKS & CONTACT NAMES
PLAM	PLASTIC LAMINATE	WILSONART	10745-60	FONT-HILL PEAR		HORIZONTAL GRAIN
CT6	CERAMIC TILE	DALTILE	D100	WHITE	6 x 6	SEMI-GLOSS
GT3	EPOXY GROUT	CUSTOM BUILDING PRODUCTS		BONE		
GT9	EPOXY GROUT	HYDROMENT	684	CHAR BLACK		
QT1	QUARRY TILE	DAL TILE	D042	ARID GRAY	6"X6"	W/ ABRASIVE GRAIN
QTB	QUARRY TILE	DAL TILE	D-3565	ARID GRAY	5"X6"	COVE BASE
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG CLEANROOM		WHITE	2' x 2'	WHITE FRAME
FRP	FIBERGLASS REINF PANEL	MARLITE A1	P-100	WHITE		AF/CI
MT	MOSAIC TILE	VACUFORM		GRAPHIC IMAGES		AF/CI
VWC	VINYL WALLCOVERING	SUNGLO FABRICS		BUTTERNUT BRICK		AF/CI

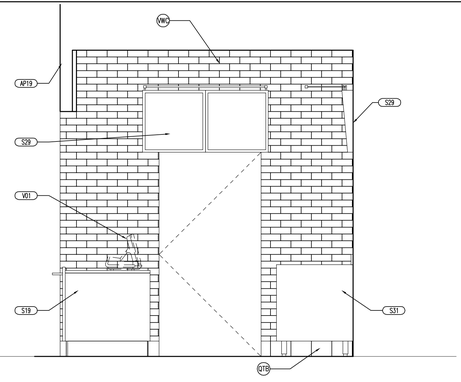
SUBWAY'S FINISH SCHEDULE 1/2" = 1'-0" 3



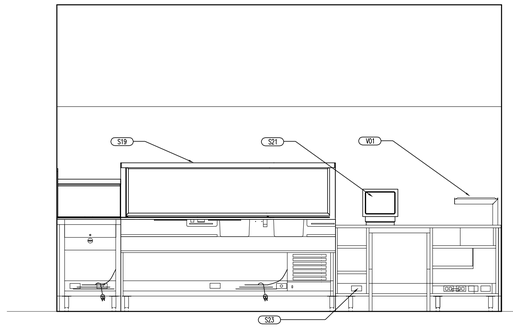
SUBWAY'S ELEVATION 1/2" = 1'-0" 6



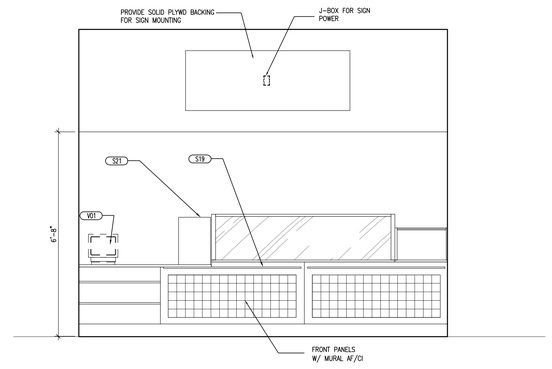
SUBWAY'S ELEVATION 1/2" = 1'-0" 2



SUBWAY'S ELEVATION 1/2" = 1'-0" 9



SUBWAY'S ELEVATION 1/2" = 1'-0" 5



SUBWAY'S ELEVATION 1/2" = 1'-0" 1

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REGISTERED ARCHITECT JOHN D. LINTON 21439 STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

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CHECKED BY: MZ/JL
DATE: --

FIRM #1442

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
SUBWAY ELEVATIONS

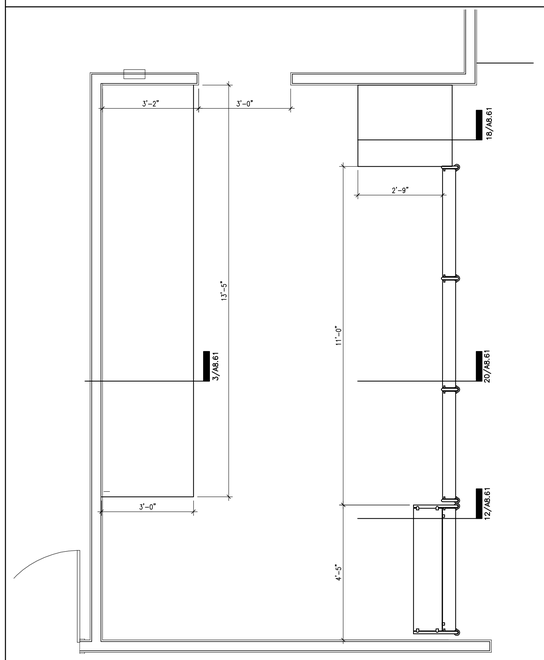
DATE: 06/08/12
SCALE: AS SHOWN
SHEET: A8.51
DRAWING/PROJECT NO: 0530-06-000005
OF

6/7/2012 5:16:05 PM

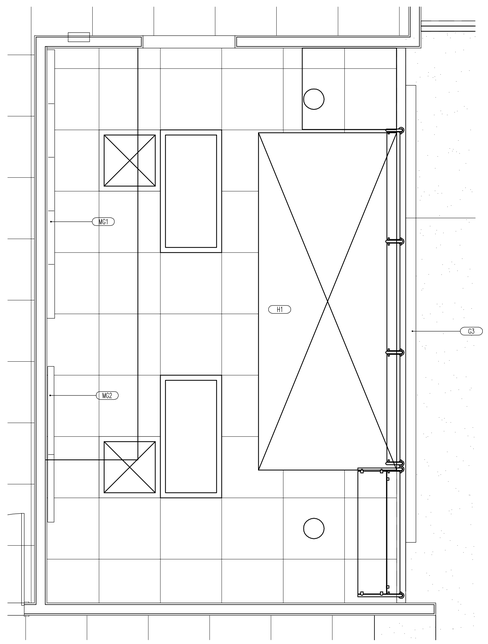
CHARLEY'S EQUIPMENT SCHEDULE

ITEM #	QTY	EQUIPMENT	MANUFACTURER	MODEL	SIZE Width	SIZE Depth	SIZE Height	ELECTRICAL Volts	ELECTRICAL Phase	ELECTRICAL Amps	PLUMBING Cold Water	PLUMBING Hot Water	PLUMBING Waste	MECHANICAL Gas	MECHANICAL BTU/H	PROVIDED	INSTALLED	REMARKS
E1	1	P.O.S. CASH REGISTER W/DRAWER	MICROS	–	–	–	–	120	1	2						A	C	
E2	1	GOOSENECK MICROPHONE	SURE BROTHER	5155BG-18XF	–	–	–	–	–	–						A	C	PURCHASE LOCALLY AT RADIO SHACK
E3	1	40 WATT AMPLIFIER	PASO SOUND PRODUCT	T-3010-BGM	12.75"	10.625"	4"	120	1	1.5						A	A	PURCHASE LOCALLY AT RADIO SHACK
E4	1	RECEIPT PRINTER		TM-H6000II	7.3"	11.7"	7.3"	–	–	*						A	A	*24 VDC AND 1.8 AMPS
E5	1	CEILING SPEAKER	QUAM-NICHOLLS CO.	BC10FEPAX	–	–	–	–	–	–						A	C	PURCHASE LOCALLY AT RADIO SHACK
E7	1	MONITOR	–	(15" SVGA) CUT SHEET NOT AVAILABLE	–	–	–	120	1	20						A	A	
G3	1	CONCEPT SIGN	EAGLE SIGN CO.	24" HIGH LOGO	180"	–	24"	120	1	20						A	C	PROVIDE SOLID PLYWD BACKING FOR SIGN MOUNTING
G4	1	ORDER HERE SIGN	DIGICO IMAGING	–	23.85"	–	14"	–	–	–	–	–	–	–		A	A	
G5	1	PICK-UP HERE SIGN	DIGICO IMAGING	–	23.85"	–	14"	–	–	–	–	–	–	–		A	A	
G6	1	NEON PHILLY CHEESESTEAK SIGN	ZEON NEON	–	36"	–	24"	–	–	–	–	–	–	–		A	A	
G7	1	SNEEZE GUARD RIBBON SIGN	–	–	11'-0"	.0625"	5"	–	–	–	–	–	–	–		A	A	
H1	1	EXHAUST HOOD W/ LED LIGHT STRIPS		–	–	–	–	–	–	–						C	C	REFERENCE MECHANICAL DRAWINGS
K1	1	GAS FRYER	FRYMASTER	MJ35	46.86"	34.55"	50.64"	120	1	10					110000	A	A	
K1-1	1	GAS GRIDDLE	MAGIKITCH'N	MKG48	48"	31 9/16"	23 9/32"							7-14"W.C.	120,000	A	A	
K2	1	REFRIGERATED WORK TOP TABLE	TRUE MODEL	TWT-48	49.125"	23.875"	35.625"	115	1	7						A	A	
K3	1	FOOD WARMER AND DUMP STATION	–	FWH-A1	15"	23.75"	45.25"	120	1	6.9						A	A	TO BE LOCATED CLOSEST TO POS SYSTEM
K4	1	EQUIPMENT STAND	–	ES-306-TA-255 W/5" CASTERS	72"	30"	18"	–	–	–						A	A	
K5	1	TOASTER-CONVEYOR	HATCO TOAST-QWIK	1800H	18.5"	22.75"	16.625"	208	1	21.4						A	A	
K6	1	HOT TOPPING	–	FS/FSP@81290	17"	13.5"	15.31"	120	1	8.3						A	A	
K7	1	BUMP BAR	–	KP-3000 KEY PAD	–	–	–	–	–	–						A	A	
K9	1	MEGA TOP SANDWICH/SALAD UNIT	–	TSSU-27-12M-C	27.813"	34.125"	46.47"	120	1	4.6						A	A	
K10	1	BEVERAGE DISPENSER	CRATHCO BY GRINDMASTER	D35-3	25.75"	15"	27.25"	115	1	8.5						A	A	(3) 3-GALLON BOWLS
K13	1	MEGA TOP SANDWICH/SALAD UNIT	–	TSSU-48-18M-B	48.25"	34"	46.25"	120	1	8.6						A	A	
K14	1	ELECTRIC FOOD PROCESSOR	ROBOT COUPE	CL-50	–	–	–	–	–	–						A	A	
K15	1	SHORTENING SHUTTLE	WORCESTER INDUSTRIAL PRODUCTS	SS709	30.13"	15.38"	9.75"	–	–	–						A	A	
K16	1	HEAT SHIELD		FABRICATED LOCALLY	–	–	–	–	–	–						C	C	
M2	1	3-CUP AAFES MOBILE DISPENSER	–	–	8.125"	24.125"	26.125"	–	–	–						A	A	
M5	1	SNEEZE GUARD	REFERENCE CUT SHEET	M112A & M100A W/48" MATRIZ LIGHT UNIT	–	–	–	–	–	–						A	A	DOUG ENGLISH (800) 651-2711
MB01	1	MONITOR-KDS-BRACKET	FOR 13"-15" MONITOR	7190	–	–	–	–	–	–						A	C	BRACKET TO BE INSTALLED BY CONTRACTOR
MG1	1	5 PANEL MENU BOARD	DIGICO IMAGING W/ GRAPHICS SYSTEMS	LED	21.6875" EA.	.875"	36.75"	120	1	.08						A	A	WITH BREAKFAST MENU
MG2	2	LARGE DISPLAY BOX	DIGICO IMAGING W/ GRAPHICS SYSTEMS	LED	30.6875" EA.	.875"	36.75"	120	1	0.10						A	A	
P11	1	DROP IN ICE STATION	–	305	21.25"	15.25"	13"	–	–	–						A	C	FLOOR DRAIN
SWP	1	SMALLWARE PACKAGE	WASSERTROM W/ BREAKFAST ITEMS	–	–	–	–	–	–	–						A	A	CUT SHEET NOT AVAILABLE
UVD4	1	STANCHIONS PACKAGE	LAVI INDUSTRIES	3000WB/BK;7 POSTS	–	–	–	–	–	–						A	A	

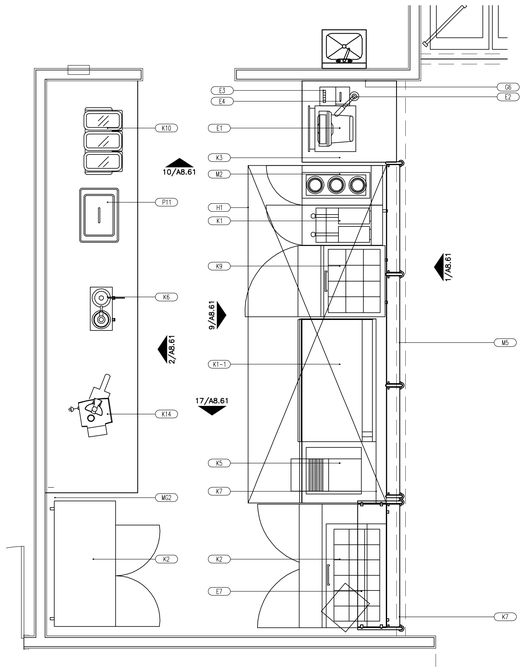
CHARLEYS EQUIPMENT SCHEDULE 1/2" = 1'-0" 4



CHARLEYS MILLWORK PLAN 1/2" = 1'-0" 13



CHARLEYS RCP 1/2" = 1'-0" 9



CHARLEYS EQUIPMENT PLAN 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

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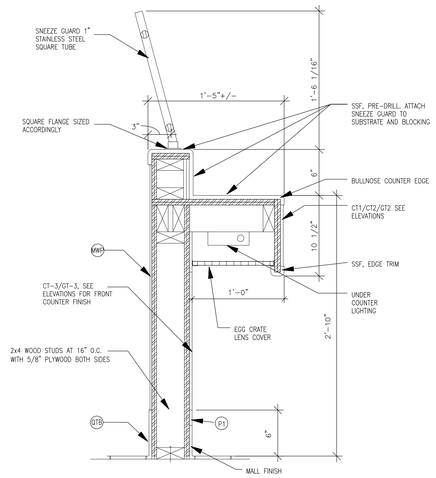
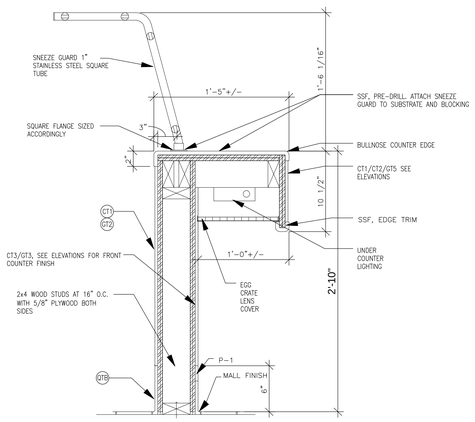
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
CHARLEYS PLANS AND SCHEDULE

DATE: 06/08/12
SCALE: AS SHOWN
SHEET: A8.60
DRAWING/PROJECT NO: 0530-06-000005
OF



MILLWORK DETAIL 1 1/2" = 1'-0" 20



MILLWORK DETAIL 1 1/2" = 1'-0" 12

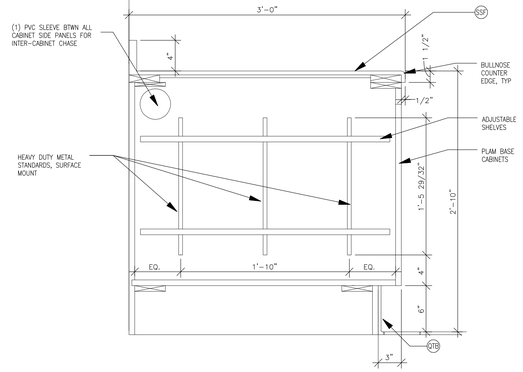
ROOM FINISH SCHEDULE

Room		Floor	Base	Wall				Ceiling	
Number	Name			North	East	South	West	Finish	Height
122	CHARLEY'S STEAKERY	PT/GT1	PTB/GT1	CT1/CT2/GT2	MURAL/CT1/GT2	P1/MWP/CT1/GT2	CT1/GT2	APC	10'-0"

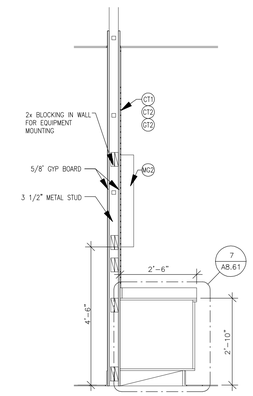
FINISH LEGEND

REFERENCE	ITEM	MANUFACTURER / PRODUCT	COLOR	DESCRIPTION / FINISH
PLAM	PLASTIC LAMINATE	FORMICA – 1150-43	VOSAGES PEAR	ARTISAN FINISH
SSF	SOLID SURFACE	FORMICA – TRADITIONS	324 BLACK MATRIX	
CT1	CERAMIC TILE	DALTILE – DESIGNER COLOURS	DC-11 MUSTARD	8" x 8"
CT2	CERAMIC TILE	DALTILE – DESIGNER COLOURS	DC-13 BURGUNDY	8" x 8"
CT3	CERAMIC TILE	DALTILE – LACOSTA	LC-04 RUST DT	SERVERY COUNTER
GT1	GROUT	HYDROMENT – EPOXY GROUT	684 CHAR BLACK	FLOOR GROUT
GT2	GROUT	CUSTOM BUILDING PRODUCTS – EPOXY GROUT22 SAHARA TAN		WALL GROUT
GT3	GROUT	CUSTOM BUILDING PRODUCTS – EPOXY GROUT384 CAMEL		SERVERY COUNTER
QT1	QUARRY TILE	DAL TILE	0042 ARID GRAY	6" x 6", W/ ABRASIVE GRAIN
QTB	QUARRY TILE	DAL TILE	0-3565 ARID GRAY	5" x 6" COVE BASE
APC	ACOUSTICAL PANEL CEILING	USG CLEAN ROOM CLIMA PLUS	WHITE	2' x 4', DONN/DXLA GRID, WHITE
MURAL		OMNOVA – RECORE RV04	–	SIDE WALL MURAL AF/CI, LEVEL 5 WALL PREP
P1	PAINT	GLIDDEN – 70YY/83/037	WEDDING WHITE	SEMI-GLOSS
MWP	METAL WALL PANELS	QUALSERVE – STAINLESS STEEL	MILL FINISH	

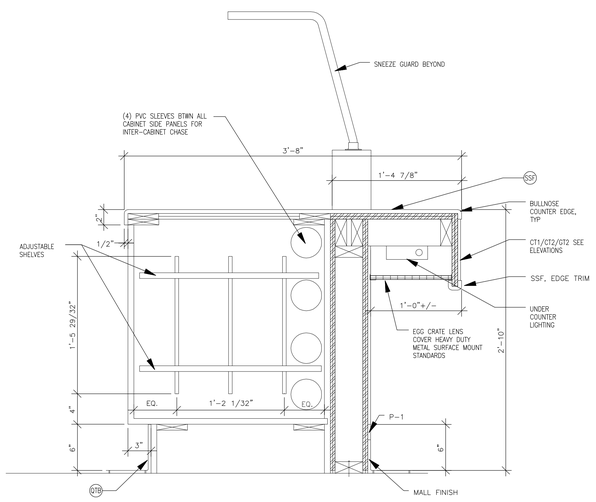
CHARLEYS FINISHES NTS 4



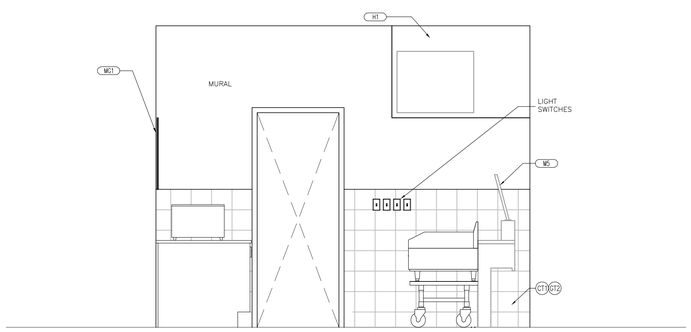
MILLWORK DETAIL 1 1/2" = 1'-0" 7



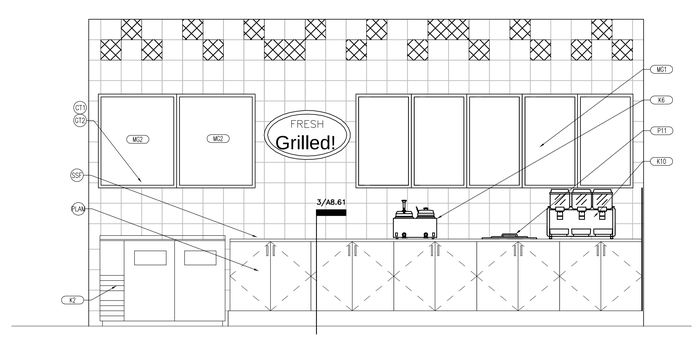
SECTION 1 1/2" = 1'-0" 3



MILLWORK DETAIL 1-1/2" = 1'-0" 18



CHARLEYS EQUIPMENT PLAN 1/2" = 1'-0" 10



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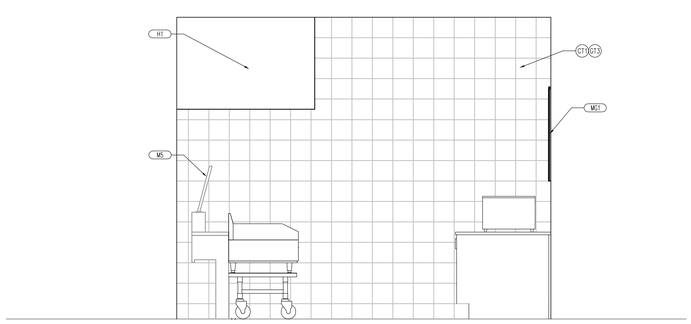

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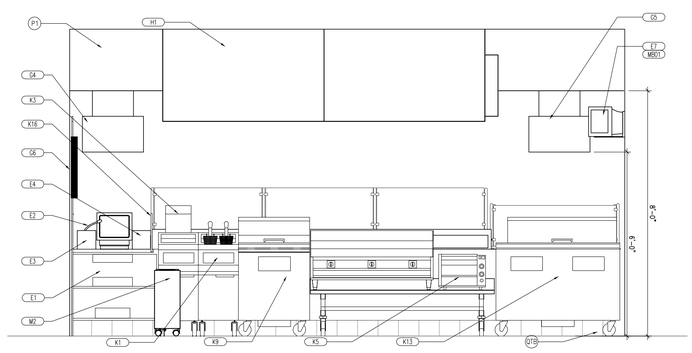
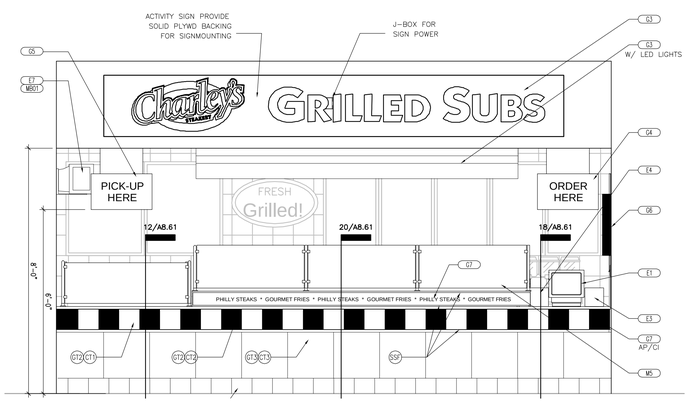


CHARLEYS EQUIPMENT PLAN 1/2" = 1'-0" 9



CHARLEYS EQUIPMENT PLAN 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
CHARLEYS ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.61

DRAWING/PROJECT NO: 0530-06-000005 OF__

6/7/2012 5:16:38 PM

EQUIPMENT SCHEDULE

EQUIPMENT							PLUMBING					ELECTRICAL									
							WATER		WASTE					LOAD							
ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL NO.	N.S.F. E.T.L.	U.L. E.T.L.	HW.	CW.	DIR.	IND.	REMARKS	VOLTS	PHASE	AMPS	CIRC.	WIRE	CORD INC.	RECEPTACLE SPEC	A.F.F.	REMARKS	GENERAL REMARKS
50E	2	ACRYLIC CUP HOLDER - 8 CUP	LD PLASTICS	LD050																	
50F	1	FOUR SECTION VERTICAL WIRE RACK CUP ORGANIZER	DISPENSE-RITE	ADJ-2																	
77	2	BAKERY DISPLAY RACK (18 BASKETS)	LAKESIDE	DD-3835-78B								120V	1		20						37"W X 33"D x 76"H
96	1	ESPRESSO MACHINE	SCHAERER	AMBIENTE 15 SO DUO PS				3/8"				208V	1		30	3	YES	NEMA L6-30R			PROVIDE WATER SHUT OFF VALVE W/ 3/8" COMPRESSION FITTING SUPPLIED W/ SOFTENER/FILTER COMBO SYSTEM
96B	1	ESPRESSO SYRUP & LID RACK	WIREFAB	WF17363								120/ 208-240	1	13	20	4					
101C 101C-1	2	DAIRY DISPENSER	AC DISPENSING	AC320-FP-7	53030/ 53030C							115	1	2	15	3	YES	L-5-20R*		*ALT. VOLTAGE MODEL AVAILABLE (NEMA 6-20R RECEPTACLE)	** YES-115V MODEL HAS A 20A NEMA 5-20P PLUG, 230V MODEL HAS A 15A NEMA 5-15P PLUG; 50HZ MODEL IS NOT FURNISHED WITH CORD OR PLUG
101D	2	SURE SHOT SUGAR DISPENSER	AC DISPENSING	ACKEPC	53030-01	2CA8						120V	1	4	15	3	YES	L-5-20R*		ALT. VOLTAGE MODEL AVAILABLE (NEMA 5-15R RECEPTACLE)	
101E 101E-1	1	FLAVOR DISPENSER	AC DISPENSING	AC-FS10								120V	1	1.0	15A						
101G	3	20" SPEED RAIL FOR LIDS	MICROWIRE	AD-HLDR-2																	
101H	3	13" SUGAR/TEA BAG/ STIRRER HOLDER	MICROWIRE	AD-SH-1																	
101P-3	2	AXIOM TWIN COFFEE BREWER	BUNN-O-MATIC	38700.0030				YES			20-90 PSI MACHINE REQUIRES A 3/8" MALE FLARE FITTING.	120/208	1	29.6	40	4	NO	NEMA 14-50R OR L14-50R		CORD AND PLUG PROVIDED BY ELECTRICAL CONTRACTOR	
101PP-3	1	AXIOM SINGLE COFFEE BREWER	BUNN-O-MATIC	38700.0031				YES			20-90 PSI MACHINE REQUIRES A 3/8" MALE FLARE FITTING.	120/208	1	16.7	20	4	NO	NEMA 14-20R OR L1420R		CORD AND PLUG PROVIDED BY ELECTRICAL CONTRACTOR	
101Q-3	2	MULTI HOPPER GRINDER AND STORAGE SYSTEM	BUNN-O-MATIC	35600.0011								120	1	11	10	3	NO	NEMA 5-15P			
107A	1	DUNKACCINO MACHINE	BUNN-O-MATIC	29250.0003	18	197		3/8"			20-90 PSI FROM A 3/8" OR LARGER SUPPLY LINE. A SHUT OFF VALVE SHOULD BE INSTALLED IN THE LINE BEFORE THE UNIT.	120	1	20	20	3	YES	NEMA L14-20R		BUNN PROVIDED 6'-0" CORD TO BE INSTALLED BY G.C.	
111	1	COUNTERTOP COOLATTA MACHINE	TAYLOR	340		SA4620					3/4" FPT WATER INLET & DRAIN CONNECTIONS FOR WATER COOLED UNITS ONLY; TO FLOOR DRAIN	208/230	1	16	20	3	YES	5-15P		CORD & PLUG NOT AUTOM. SUPPLIED W/ UNIT; ALT. ELECT. CONFIGS. AVAILABLE	1 HEAD/120 SERVINGERS PER HOUR
120F 120F-1	3	27 1/4"W X 27 3/4"D UNDERCOUNTER REFRIGERATOR W/ CASTERS	DELFIELD	406-CA-SPL-RHH	7	SA47 69						115	1	5	15A	3	YES	5-15P			RIGHT HAND HINGE
140A	1	LID DISPENSER, DOME	DISPENSE-RITE	WR-4																	
200A	1	ICED COFFEE BREWER IC300	BUNN-O MATIC	24450		**		1/2"			20-90 PSI. MACHINE SUPPLIED WITH 1/4" OD MALE FLARE FITTING	120/208	1	19.65	30	4	NO	NEMA 14-20P OR L1420R		BUNN PROVIDED 6'-0" CORD TO BE INSTALLED BY G.C.	** E34066
201B	2	ICED COFFEE DISPENSER ICDD-3	BUNN-O MATIC	35100.0000																	
270.1	1	32" WIDE CONDIMENT STATION	EQUIPMENT SUPPLIER	DWG #270.1																	
290	1	END PANEL & SWING GATE	EQUIPMENT SUPPLIER	DWG #290																	
395	1	HAND SINK W/ SIDE SPLASHES	ADVANCE TABCO	7-PS-68			1/2"	1/2"	1 1/2"												
402	1	EMPLOYEE LOCKERS	WIN-HOLT	WL-66 (156195)																	
404	1	LOCKABLE COMPUTER CABINET	LUXOR	CSC-58																	
420A	2	24 X 60 SHELF	METRO	ADRUS2460NKS																	
420C	2	24 X 36 SHELF	METRO	ADRUS2436NKS																	
421B	1	18 X 48 SHELF	METRO	ADRUS1848NKS																	
425F	2	36" X 14" SS WIRE WALL SHELF	ADVANCE TABCO	FC-3-1818-18RLX																	
480	1	WALK-IN COOLER/FREEZER PACKAGE	NORLAKE	PER WALK-IN ORDER FORM				**			PROVIDE DRAIN FOR EVAPORATOR COIL CONDENSATE (HEATED IF LOCATED OUTDOORS)	**	**	**	**	**	NO		INCANDESCENT DOOR LIGHT/ HEATER- 115V, 5A, 1PH; FL LIGHTS (EACH)- 115V, 1.4A, 1PH HTD. AIR VENT-115V, .2A, 1PH; FREEZER SYSTEM- 208-230V, 17A, 3PH;	UTILITY INFO SHOWN IS FOR INDOOR UNIT- VERIFY ALL INFO FOR OUTDOOR UNITS. IF CONTROL WIRES REQUIRE EXTENSION, IT IS THE RESPONSIBILITY OF THE G.C. TO RUN THE WIRING
541A	1	DUNNAGE 36 X 20	LOCKWOOD	D2036-8																	
541C	2	DUNNAGE 60 X 20	LOCKWOOD	D2060-8																	
543 543-1	2	BAKERY PAN RACK	NEW AGE	97495																	
552B	1	FRESH BAKED DOUBLE CONVECTION OVEN WITH STAND	ADAMATIC/BELSHAW	BX-DD-D				3/4"			PROVIDE PRESSURE REDUCING VALVE, PRESSURE GAUGE & SHUT-OFF VALVE AT PLUMBING CONNECTION TO OVEN.	208-220	3	20.8-22.3	30	4	YES	L15-30		2 SEPERATE CIRCUITS REQUIRED PER OVEN	
												120	1	7.8	20	3	YES	NEMA 5-15			
554E	1	HAND GLAZER	BELSHAW	HG-18W																	
561 561-1	2	FINISHED PRODUCT RACK - IN SHOP USE ONLY	NEW AGE	974496																	
563	1	POWER BASE	EDHARD	P-4010	29051							120	1	1.1	15	3	YES	NEMA 6-20R			
853	1	38" PICK-UP RING	MILLWORK SUPPLIER																		

EQUIPMENT INSTALLATION NOTES:

1. EQUIPMENT SUPPLIER TO PLACE ALL XXXX EQUIPMENT
2. GENERAL CONTRACTOR TO PLACE ALL XXXXX EQUIPMENT
3. GENERAL CONTRACTOR TO MAKE ALL MECHANICAL, PLUMBING, AND ELECTRICAL CONNECTIONS FOR ALL EQUIPMENT
4. THE ASTERISKS "*" IN THE "ITEM NO." INDICATES THAT THERE ARE MULTIPLE CHOICES AVAILABLE FOR THE RESPECTIVE PIECE OF EQUIPMENT OR MILLWORK. IT IS UP TO THE FRANCHISEE AND/OR FIELD TEAM TO MAKE THE APPROPRIATE SELECTION FOR THE LOCATION

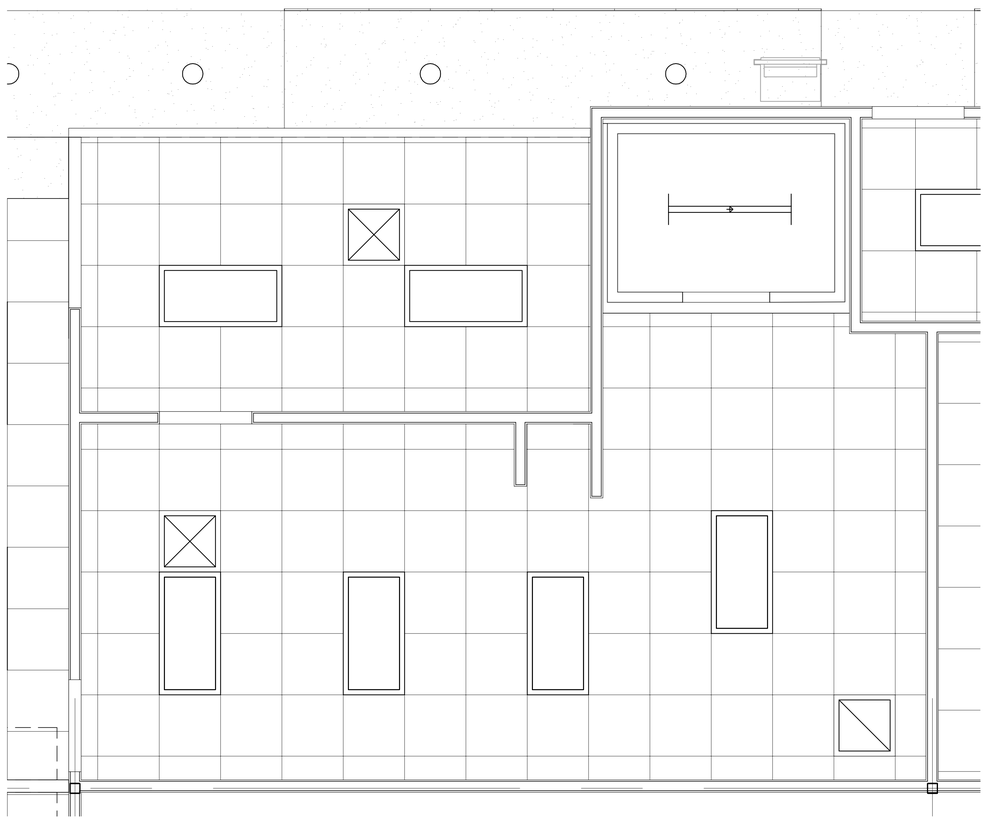
EQUIPMENT INSTALLATION NOTES:

1. EQUIPMENT SUPPLIER TO PLACE ALL NEW EQUIPMENT
2. GENERAL CONTRACTOR TO PLACE ALL EXISTING EQUIPMENT
3. GENERAL CONTRACTOR TO MAKE ALL MECHANICAL, PLUMBING, AND ELECTRICAL CONNECTIONS FOR ALL EQUIPMENT

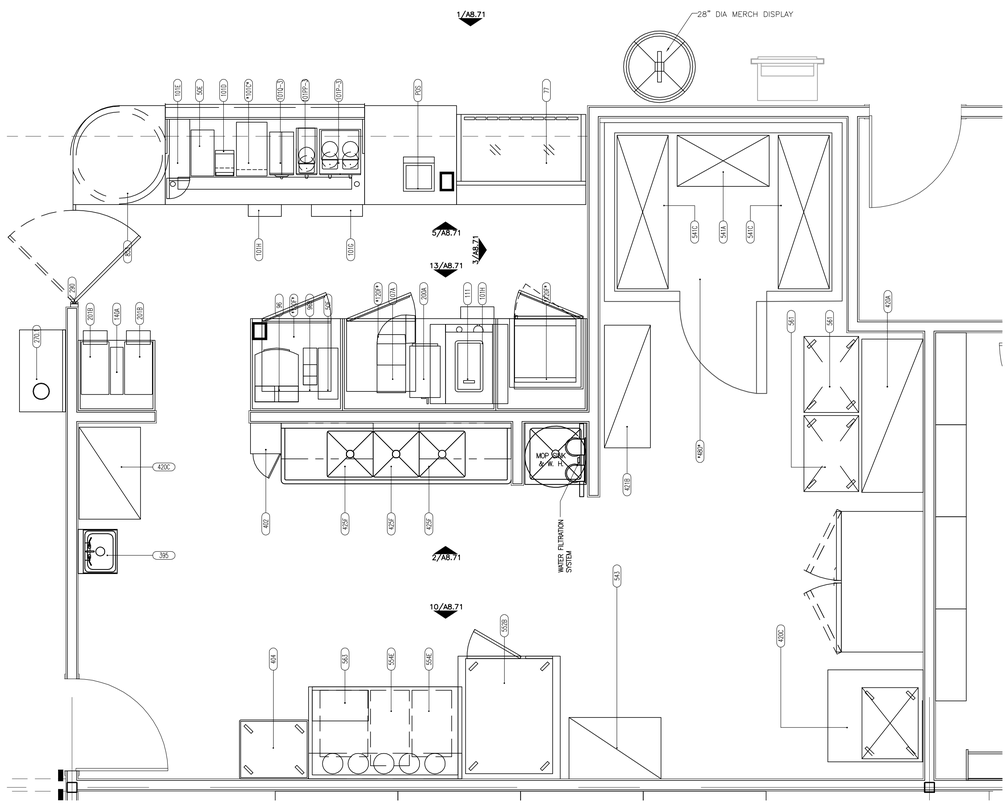
THE ASTERISKS "*" IN THE "ITEM NO." INDICATES THAT THERE ARE MULTIPLE CHOICES AVAILABLE FOR THE RESPECTIVE PIECE OF EQUIPMENT OR MILLWORK. IT IS UP TO THE FRANCHISEE AND/OR FIELD TEAM TO MAKE THE APPROPRIATE SELECTION FOR THE LOCATION

NOTE:
REFER TO DUNKIN' BRANDS MULTIBRAND EQUIPMENT SPECIFICATIONS ON DUNKIN' BRANDS WEB SITE. HTTP://EXTRANET.DUNKINBRANDS.COM, FOR COMPLETE EQUIPMENT AND UTILITY INFORMATION. DUNKIN' BRANDS WEB SITE ALWAYS TAKES PRECEDENCE OVER DRAWINGS IN INSTANCE OF CONFLICT.

DUNKIN DONUT EQUIPMENT SCHEDULE 1/2" = 1'-0" | 3



DUNKIN DONUTS RCP 1/2" = 1'-0" | 13



DUNKIN DONUTS EQUIPMENT PLAN 1/2" = 1'-0" | 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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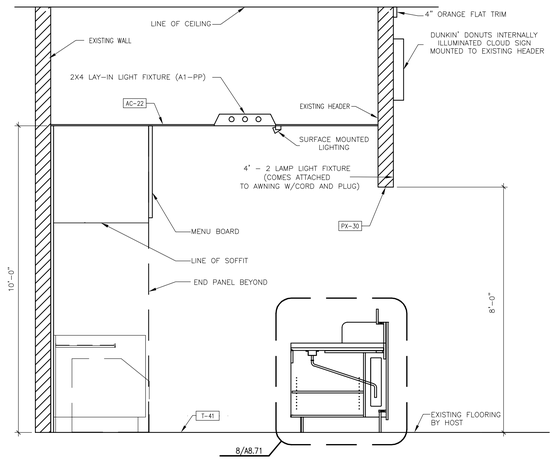
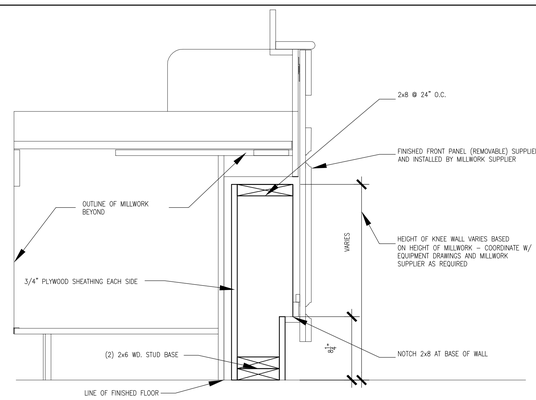
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
DUNKIN PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.70
DRAWING/PROJECT NO: 0530-06-000005		OF_____



DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 11

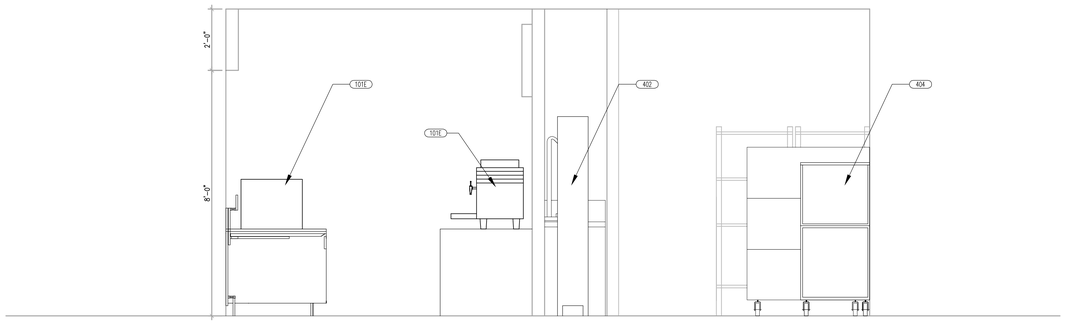


DUNKIN DONUTS MILLWORK 1/2" = 1'-0" 8

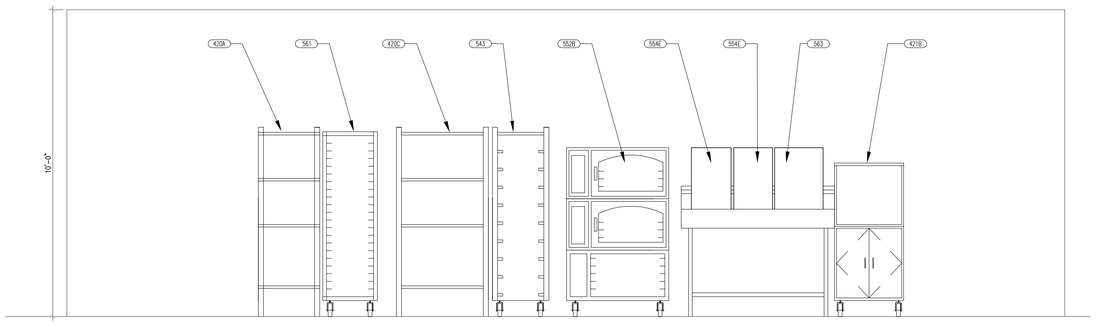
WALL FINISH MATERIAL SCHEDULE

CODE	MATERIAL	MANUFACTURER	PRODUCT NO.	DESCRIPTION	REMARKS
AW-44	AWNINGS	TBD	TBD	STARTLING ORANGE	
AW-45	AWNINGS	TBD	TBD	NIGHT SHADE (BROWN)	
PL-43	PLASTIC LAMINATE	WILSONART	7922-7	BRIGHTON WALNUT	
PL-49	PLASTIC LAMINATE	FORMICA	909-58	BLACK	
CB-1	FIBER CEMENT BOARD	FIBER CEMENT PLANK			
DS-1	SINTRA SIGN GRAPHICS	DGS RETAIL		AMERICA RUNS ON DUNKIN' START TEMPLATE	AT START OF DRIVE THRU LANE
FRP-22	FRP PANELS	CRANE/KEMLITE	85 WHITE	KITCHEN, OFFICE, UTILITY	
FRP-22 ALT.	FRP PANELS	MARLITE	P-100 WHITE	KITCHEN, OFFICE, UTILITY	
FRP-33	FRP PANELS	CRANE/KEMLITE	866 PARCHMENT	4" X 4" SCORED PANELS	
FRP-33 ALT.	FRP PANELS	MARLITE-SYMMETRIX	C118-644 ALMOND	4" X 4" SCORED PANELS	
G-31	GROUT	LATICRETE	#43-CHOCOLATE TRUFFLE		CHOCOLATE TRUFFLE; USE T-36
G-38	GROUT	HYDROMENT	#179		BAMBOO; USE W/ T-45 IN SERVICE AREA ONLY
P-49	PAINT	BENJAMIN MOORE	BM 2116-10	NIGHT SHADE	MONOLITH AND TOWERS
P-49 ALT-A	PAINT	SHERWIN WILLIAMS	BM 2116-10 NIGHT SHADE MATCH	USE A89754 OR B71T204 BASE CONSULT WITH STORE TECHNICIAN WHEN ORDERING	
P-56	PAINT	BENJAMIN MOORE	AC-4	YOSEMITE SAND	
P-56 ALT-A	PAINT	SHERWIN WILLIAMS	BM AC-4 YOSEMITE SAND MATCH	USE A89754 OR B71T204 BASE CONSULT WITH STORE TECHNICIAN WHEN ORDERING	
P-60	PAINT	BENJAMIN MOORE	2016-10	STARTLING ORANGE	
P-60 ALT	PAINT	SHERWIN WILLIAMS	DUNKIN ORANGE	USE B55T2604 BASE, (BM 2016-10 STARTLING ORANGE MATCH)	
P-69	PAINT	BENJAMIN MOORE	BM 1232	FRESH BREW	COLUMNS
WC-305	WALL COVERING	APA COLOR GRAPHICS		ORANGE JUMBLE	BEHIND MENU BOARDS
WC-17C	SINTRA SIGN GRAPHICS	DGS RETAIL		9' X 4'-8" EXTERIOR CUP SILHOUETTE	COFFEE CUP ICON

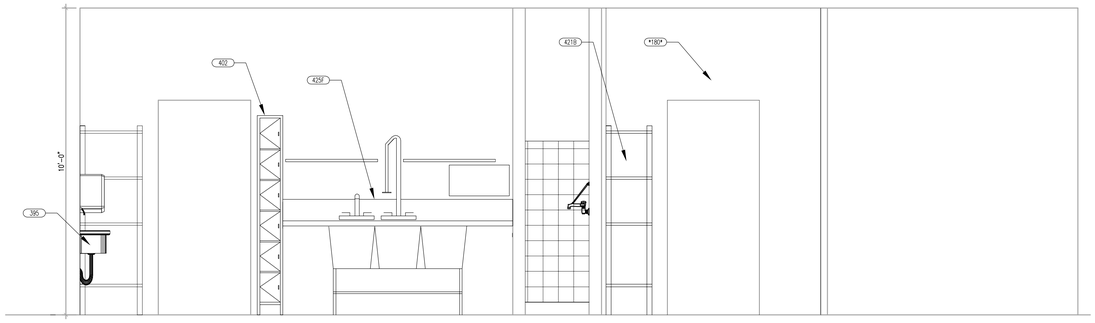
DUNKIN DONUTS FINISHES 1/2" = 1'-0" 4



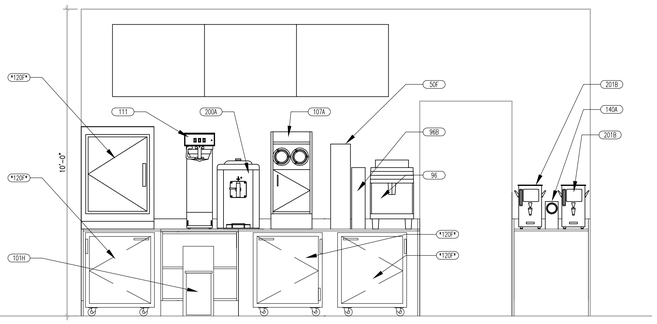
DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 3



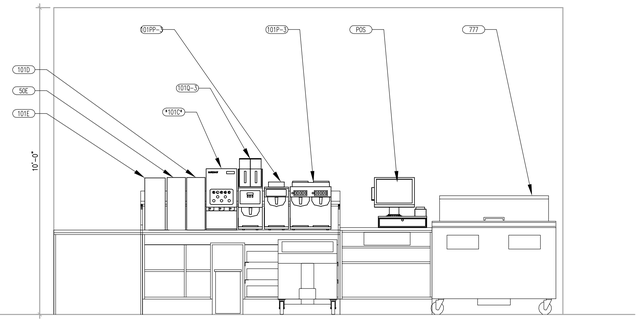
DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 10



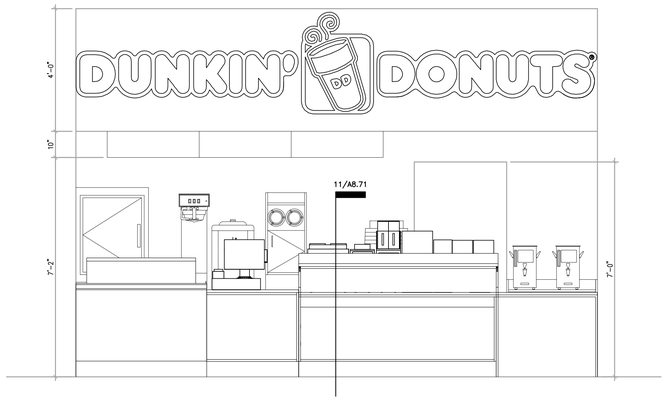
DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 2



DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 13



DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 5



DUNKIN DONUTS ELEVATION 1/2" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 2-16-10

06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL

CHECKED BY: MZ/JL

DATE: –

FIRM #F-1449

morris+associates
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

DUNKIN DONUT ELEVATIONS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.71

DRAWING/PROJECT NO: 0530-06-000005

OF_____

RESPONSIBILITY SCHEDULE

ITEMS	EXISTING	FURNISHED: TENANT	FURNISHED: LANDLORD GENERAL CONTRACTOR	FURNISHED: TENANT MFR.	INSTALLED: TENANT	INSTALLED: LANDLORD GENERAL CONTRACTOR	INSTALLED: TENANT MFR.	DOES NOT APPLY	REMARKS
07 THERM./MOIST. PROTECT.									
PARTITION INSULATION	●								
VAPOR BARRIER	●								
SEALANTS								●	
ROOFING								●	
09 FINISHES - SEE FINISH SCHEDULE FOR LOCATIONS									
FLOORS									
TILE & GROUT								●	
MALL FLOORING	●								
BASE									
WOOD BASE		●					●		
VINYL	●								
10 SPECIALTIES (EQUIPMENT & FIXTURES)									
STOREFRONT SIGN				●			●		
GRAPHICS		●					●		
2A10BC FIRE EXTINGUISHERS		●					●		COORDINATE LOCATIONS WITH FIRE MARSHALL
12 FURNISHINGS									
NON-SALES SHELVING		●					●		
SALES FLOOR FIXTURES		●					●		
16 ELECTRICAL - SEE ELECTRICAL DRAWINGS									
LIGHT FIXTURES AND LAMPS	●						●		
DECORATIVE LIGHTING		●					●		

FINISH SCHEDULE

ROOM	FLOOR	WALL	CEILING	COLUMNS	TRIM	DOORS	BASE
SALES AREA (100)	ETR	NOTE #2	ETR	NONE	NOTE #2	NOTE #2	B-1
SERVICE ROOM (101)	ETR	NOTE #5	ETR	NONE	NONE	NOTE #3	ETR

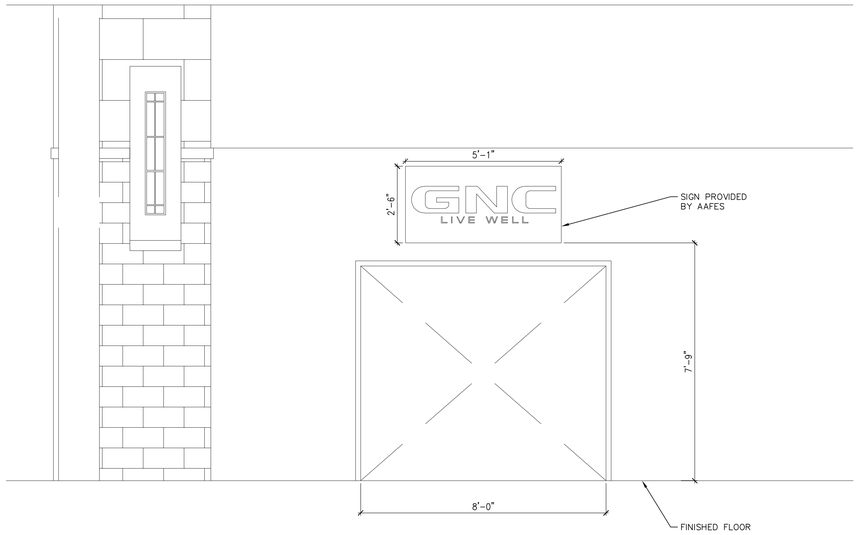
FINISH NOTES:
1. REFER TO 'CS-2' FOR FLOOR COVERING, PAINT, STAIN AND BASE MATERIALS.
2. SEE ELEVATIONS ON SHEET 'A-2' FOR FINISHES AND GRAPHICS LOCATIONS AND CLARIFICATIONS.
3. G.C. TO PAINT FRAME ONLY P-2
4. INSTALL BASE TO MATCH EXISTING AT NEW PARTITIONS
5. PRIME PAINT NEW PARTITIONS ONLY

MERCHANDISE FIXTURE TYPES

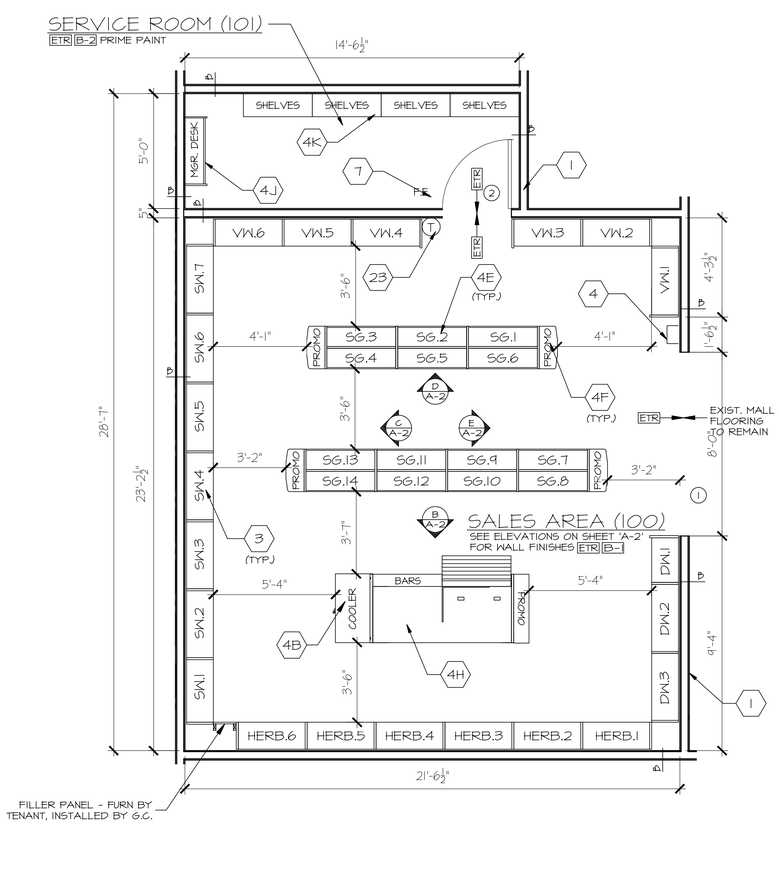
VW	VITAMIN WALL FIXTURE	VG	VITAMIN GONDOLA FIXTURE
DW	DIET WALL FIXTURE	SG	SPORTS GONDOLA FIXTURE
ENERGY	ENERGY WALL FIXTURE	PC	PERSONAL CARE GONDOLA FIXTURE
HERB	HERB WALL FIXTURE	NRG	NATURAL REMEDIES GONDOLA FIXTURE
NRW	NATURAL REMEDIES WALL FIXTURE	R.T.D.	READY TO DRINK GONDOLA FIXTURE
SW	SPORTS WALL FIXTURE	BARS	BARS GONDOLA FIXTURE
SNACKS	SNACKS GONDOLA FIXTURE	FOOD	FOOD GONDOLA FIXTURE

KEY NOTES:

- 1 — LEASE LINE
- 3 — WALL FIXTURES - SEE DETAIL A/F-2 & B/F-2 (TYPICAL)
- 4 — 10'-0" x VARIES" x $\frac{3}{4}$" WOOD PANEL WITH 8'-0" RECESSED STANDARDS AND (6) 6" DEEP WOOD SHELVES
- 4B — SELF-CONTAINED COOLER - SEE ELEC. DWGS
- 4E — GONDOLA FIXTURE (TYPICAL)
- 4F — GONDOLA ENDCAP (TYPICAL)
- 4H — CASH AND WRAP
- 4J — MANAGER'S DESK
- 4K — SERVICE ROOM SHELVING UNIT (3' LENGTH). GC TO SECURE TO WALL.
- 7 — 10 lb. FIRE EXTINGUISHER - U.L. RATING 4-A-60BC
- 15B — CONVEX SECURITY MIRROR. (TYP. OF 2)
- 23 — THERMOSTAT (LIGHT-STAT MODEL#TMDABU) FURNISH BY TENANT INSTALLED BY G.C.
- 28 — LIGHT BOX- FURNISHED BY TENANT, INSTALLED BY G.C.



GNC ELEVATION 1/2" = 1'-0" 5



GNC PLAN 3/16" = 1'-0" 1

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS 06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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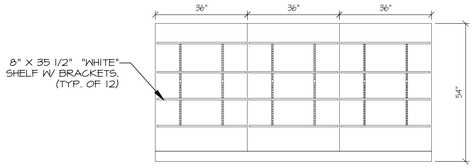
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

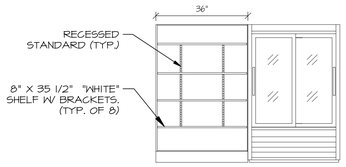
DRAWING TITLE:
GNC PLANS AND SCHEDULE

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.80

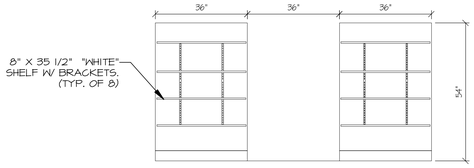
DRAWING/PROJECT NO: 0530-06-000005 OF_____



L-SIDE PANEL

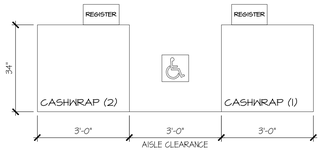


PROMO PANEL W/ COOLER



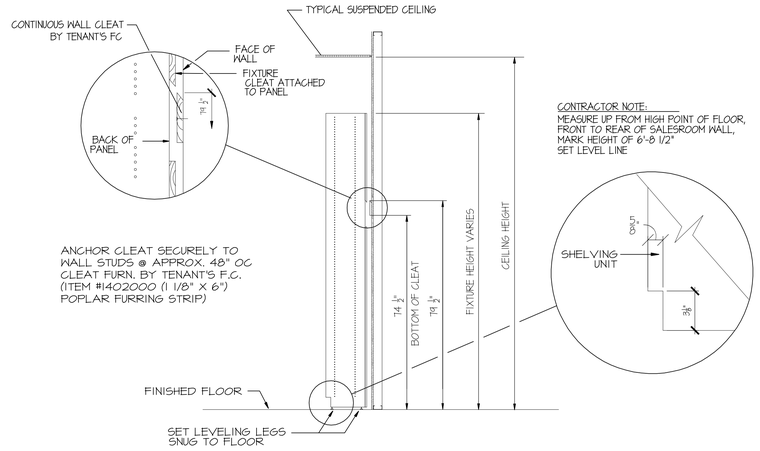
R-SIDE PANEL

F/F-1 CENTER CASHWRAP PANEL DETAILS
NOT TO SCALE



6/F-1 ADA CASHWRAP COUNTER
SCALE: 1/2" = 1'-0"

GNC FURNITURE ELEVATIONS 1/2" = 1'-0" 15

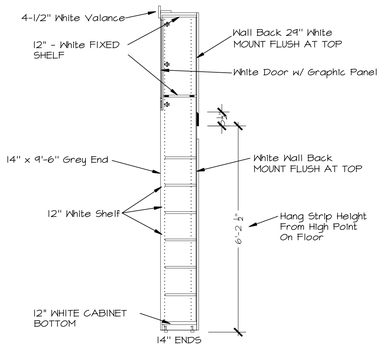


B/F-2 TYPICAL PANEL INSTALLATION
NOT TO SCALE

TYPICAL PANEL INSTALLATION 1/2" = 1'-0" 3

MODULAR SYSTEM SHOULDER SCREW LOCATION FROM THE BOTTOM OF PANEL (DO NOT COUNT LEVELER)

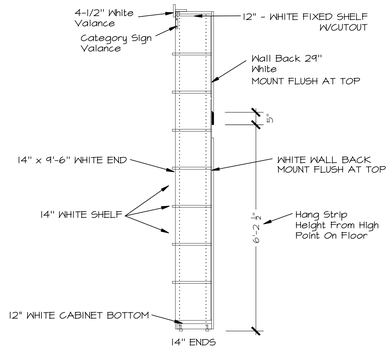
CABINET BOTTOM - 2nd HOLE, 64mm OR 2 17/32"
FIXED SHELF - 66th HOLE, 2112mm OR 83 5/32"
FIXED TOP - 90th HOLE, 2880mm OR 113 3/8"



SIDE WALL SECTIONS

MODULAR SYSTEM SHOULDER SCREW LOCATION FROM THE BOTTOM OF PANEL (DO NOT COUNT LEVELER)

CABINET BOTTOM - 2nd HOLE, 64mm OR 2 17/32"
FIXED SHELF - 66th HOLE, 2112mm OR 83 5/32"
FIXED TOP - 90th HOLE, 2880mm OR 113 3/8"



BACK SPORTS WALL SECTIONS

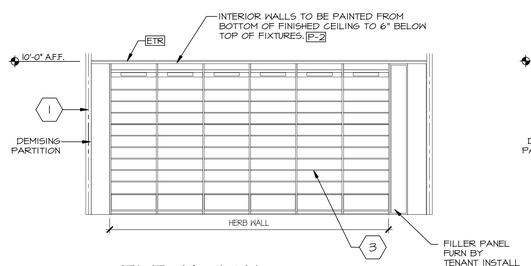
* SEE DTL. C/F-2

A/F-2 TYPICAL WALL FIXTURES
NOT TO SCALE

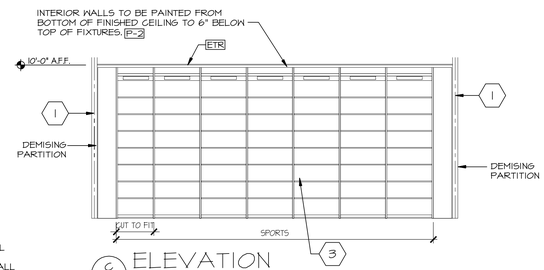
TYPICAL WALL FIXTURES NTS 14

KEY NOTES:

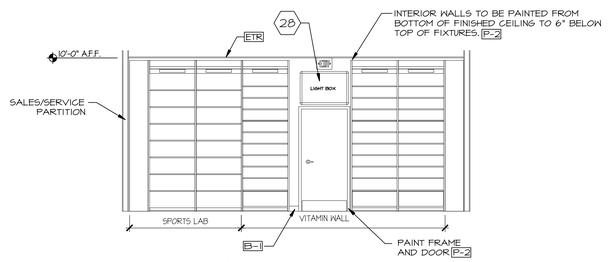
1. LEASE LINE
2. LANDLORD'S NEUTRAL PIER/BULKHEAD. EXISTING FINISH TO REMAIN. G.C. TO PATCH, REPAIR AND REFINISH AS REQUIRED.
3. WALL FIXTURES - SEE DETAIL A/F-2 & B/F-2 (TYPICAL).
4. 10'-0" x VARIES* x 3/4" WOOD PANEL WITH 8'-0" RECESSED STANDARDS AND (6) 6" DEEP WOOD SHELVES
18. STOREFRONT SIGN - FURNISHED BY SIGN CO. & INSTALLED BY SIGN CO.- SEE SHT. S1 FOR SIGN SHOP DRAWINGS AND ADDITIONAL DETAILS.
20. EXISTING ROLLING GRILLE - RENDER TOTALLY OPERATIONAL AND TO 'LIKE NEW' CONDITION.
23. THERMOSTAT (LIGHT-STAT MODEL #TMDABU) FURNISHED BY TENANT INSTALLED BY G.C.
28. LIGHT BOX - FURNISHED BY TENANT INSTALLED BY G.C.



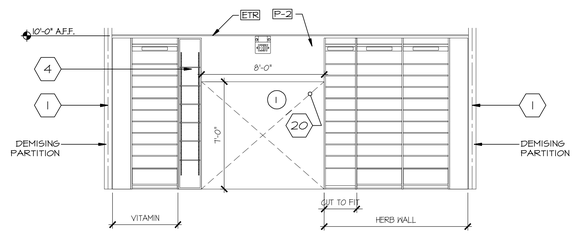
B/A-2 ELEVATION
SCALE: 1/4" = 1'-0"



C/A-2 ELEVATION
SCALE: 1/4" = 1'-0"

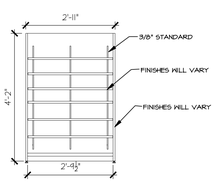


D/A-2 ELEVATION
SCALE: 1/4" = 1'-0"

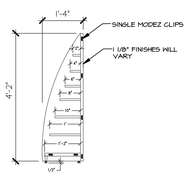


E/A-2 ELEVATION
SCALE: 1/4" = 1'-0"

GNC ELEVATIONS 1/4" = 1'-0" 1

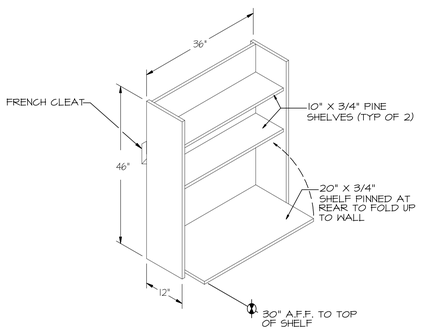


FRONT ELEVATION



SECTION

J/F-1 GONDOLA IMPULSE FIXTURE
NOT TO SCALE



E/F-1 MANAGER'S DESK UNIT
NOT TO SCALE

GNC FIXTURES NTS 13

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: --

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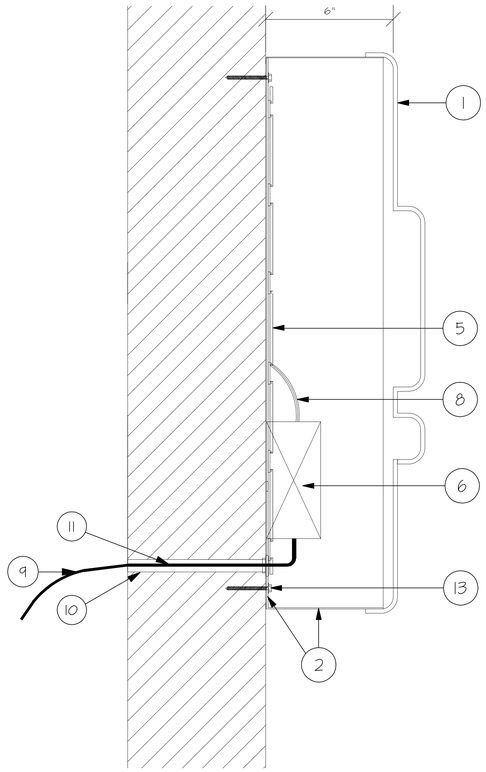
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

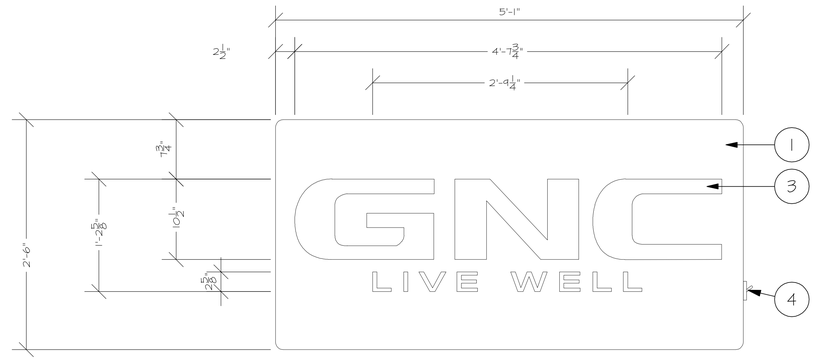
DRAWING TITLE:
GNC ELEVATIONS AND DETAILS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.81
DRAWING/PROJECT NO: 0530-06-000005		OF



ENLARGED SECTION VIEW

SIGNAGE IS 120v



VIEW OF COMPLETED SIGN

TOTAL SQUARE FOOTAGE: 13

MATERIAL SCHEDULE:
1. .177" thk. POLYCARBONATE FACE
2. .177" thk. ABS PLASTIC BACK
3. VINYL OVERLAY APPLIED 2ND SURFACE
4. 20amp DISCONNECT SWITCH (MOUNTED ON OUTSIDE THE CABINET)
5. LED
6. LED POWER SUPPLY 120v
7. MOUNTING HARDWARE (VARIES PER LOCATION)
8. LOW VOLTAGE SECONDARY WIRING
9. PRIMARY WIRE
10. NON-METALLIC CONDUIT
11. NON-METALLIC CONNECTOR
12. MOUNTING HARDWARE (VARIES PER LOCATION)

COLOR SCHEDULE:
A. FACE: WHITE, OPAQUE GRAY BACKSPRAY
B. BACK: BLACK/WHITE
C. VINYL OVERLAY: RED #3630-143
D. LED: RED

EXCHANGE™

REGISTERED ARCHITECT JOHN D. LINTON 2-16-10 STATE OF TEXAS
06-08-12

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
GNC SIGN DETAILS

DATE:	SCALE:	SHEET:
06/08/12	AS SHOWN	A8.82
DRAWING/PROJECT NO: 0530-06-000005		OF__

ABBREVIATIONS USED ON STRUCTURAL DRAWINGS

ABOVE FINISH FLOOR	– A.F.F.	LARGER THAN OR EQUAL TO	– >=
ADDITIONAL	– ADDN'L.	LESS THAN OR EQUAL TO	– <=
ADJACENT	– ADJ.	LIVE LOAD	– L.L.
ALTERNATE	– ALT.	LONGITUDINAL	– LONG.
ANCHOR BOLT	– A.B.	LONG LEG HORIZONTAL	– LLH
AND	– &	LONG LEG VERTICAL	– LLV
ANGLE	– L	LOW POINT	– L.P.
APPROXIMATE	– APPROX.		
ARCHITECTURAL	– ARCH'L	MANUFACTURER	– MFR.
AT	– @	MATERIAL	– MAT'L.
AIR CONDITIONER	– A/C	MAXIMUM	– MAX.
AIR HANDLING UNIT	– AHU	MECHANICAL	– MECH'L.
		METAL	– MET
BACK TO BACK	– B/B	MEZZANINE	– MEZZ.
BASE PLATE	– BP	MINIMUM	– MIN.
BEAM	– BM.	MISCELLANEOUS	– MISC.
BEARING	– BRG.	MOMENT	– M.
BETWEEN	– BTWN.	MOMENT CONNECTIONS	– M.C.
BLOCKING	– BLK'G.		
BOTH WAYS	– B.W.	NON-SHRINK	– N.S.
BOTTOM	– BOT.	NOT TO SCALE	– N.T.S.
BOTTOM CHORD EXTENSION	– BCX	NUMBER	– NO.
BRIDGING	– BRDG.		
BUILDING	– BLDG.	ON CENTER	– O.C.
BUILDING LINE	– B.L.	OPENING (S)	– OPNG.(S)
		OPPOSITE	– OPP.
CEILING	– CLG.	OPPOSITE HAND	– O.H.
CENTER TO CENTER	– C/C	OUTSIDE DIAMETER	– O.D.
CENTER LINE	– ℄	OUTSIDE FACE	– O.F.
CENTERED	– CNTRD.		
CHANNEL	– C	PENETRATION	– PEN.
CLEAR	– CL.	PERIMETER	– PERIM.
COLUMN	– COL.	PERPENDICULAR	– PERP.
COMPRESSION	– C.	PIPE BRACE	– P.B.
CONCRETE	– CONC.	PLATE	– R.
CONCRETE MASONRY UNIT	– CMU	POINT	– PT.
CONDENSING UNIT	– CU	PRECAST CONCRETE	– P/C
CONNECTION (S)	– CONN.(S)	PROJECTION	– PROJ.
CONTINUOUS	– CONT.		
CONSTRUCTION JOINT	– C.J.	RADIUS	– RAD.
COORDINATE	– COORD.	REFER	– REF.
		REINFORCING	– REINF.
DETAIL	– DET.	REMAINDER	– REM.
DEAD LOAD	– D.L.	REQUIRED	– REQ'D.
DIAGONAL	– DIAG.	RIGID FRAME	– R.F.
DIAGONAL BRACE	– D.B.	ROOF TOP UNIT	– RTU
DIAMETER	– DIA. OR ø	ROOF DRAIN	– R.D.
DIMENSION	– DIM.		
DOUBLE	– DBL.	SAWN JOINT	– S.J.
DOWELS	– DWL(S)	SCHEDULE	– SCHED.
DOWN	– DN.	SECTION	– SECT.
DRAWING	– DRWG.	SHEAR	– V
		SHEET	– SHT.
EACH	– EA.	SIMILAR	– SIM.
EACH FACE	– E.F.	SLIP CONNECTION	– S.C.
EACH WAY	– E.W.	SPACE	– SP.
ELECTRICAL	– ELEC'L	SPECIFICATIONS	– SPEC.
ELEVATION	– EL.	STANDARD	– STD.
ELEVATOR	– ELEV.	STEEL	– STL.
ENGINEER	– ENGR.	STIFFENER	– STIFF.
EQUAL (EQUALLY)	– EQ.	STIRRUPS	– STIR.
EXPANSION	– EXP.	STRUCTURE	– STRUCT
EXPANSION JOINT	– E.J.	STRUCTURAL	– STRUCT'L
EXISTING	– EXIST.	SUPPORT	– SUPT.
EXTERIOR	– EXT.	SYMMETRICAL	– SYMM.
FACE TO FACE	– F/F	TOP CHORD EXTENSION	– TCX
FAR SIDE	– F.S.	TEMPERATURE	– TEMP.
FINISH (ED)	– FIN.	TENSION	– T.
FINISHED FLOOR	– FIN. FL.	THICK	– THK.
FIXED CONNECTION	– F.C.	TONGUE & GROOVE	– T & G.
FLANGE	– FLG.	TOP & BOTTOM	– T & B.
FLOOR	– FL.	TOP OF BEAM	– T.O.B.
FOOTING	– FTG.	TOP OF FOOTING	– T.O.F.
FOUNDATION	– FDN.	TOP OF JOIST	– T.O.J.
		TOP OF METAL DECK	– T.M.D.
GAGE OR GAUGE	– GA.	TOP OF PIER	– T.O.P.
GALVANIZED	– GALV.	TOP OF PIER CAP	– T.O.P.C.
GENERAL	– GEN.	TOP OF STRUCTURAL STEEL	– T.O.S.S.
GLULAM	– GL.	TOP OF STRUCTURAL CONCRETE	– T.O.S.C
GRADE	– GR.	TOP OF WALL	– T.O.W.
GRADE BEAM	– G.B.	TOTAL LOAD	– T.L.
GYPSUM BOARD	– GYP. BD.	TRANSVERSE	– TRAN.
		TYPICAL	– TYP.
HEADED STUD	– H.S.		
HEIGHT	– HT.	UNLESS NOTED OTHERWISE	– U.N.O.
HIGH POINT	– H.P.		
HORIZONTAL	– HORIZ.	VERTICAL	– VERT.
HORIZONTAL LOAD	– H.L.		
		WATERSTOP	– W.S.
INFORMATION	– INFO.	WEIGHT	– WT.
INSIDE DIAMETER	– I.D.	WELDED WIRE MESH (FABRIC)	– W.W.F.
INSIDE FACE	– I.F.	WIND LOAD	– W.L.
INTERIOR	– INT.	WITH	– W/
INTERMEDIATE	– INTERM.	WOOD	– WD.
		WORK POINT	– W.P.
JOINT	– JT.		
JOISTS	– JST (S)	X-BRACING	– XB
KIPS	– K.		

GENERAL NOTES

I. GENERAL CONDITIONS

A. DESIGN LOADS ARE AS FOLLOWS:

ROOF DEAD LOADS

ROOFING	0.5 PSF
DECKING	2.0 PSF
JOISTS	3.0 PSF
INSULATION	4.5 PSF
CEILING AND MECHANICAL	6.0 PSF
SPRINKLERS	2.0 PSF
MISCELLANEOUS	2.0 PSF

ROOF LIVE LOADS (REDUCE WHERE APPLICABLE) 20 PSF

ROOF SNOW LOAD

Pg= 10 PSF	FLAT-GROUND SNOW LOAD
Pf= 0.7(Ce)(Ct)(I)(Pg)	FLAT-ROOF SNOW LOAD
Ce= 1.0	SNOW EXPOSURE FACTOR
I= 1.0	SNOW LOAD IMPORTANCE FACTOR
Ct= 1.0	THERMAL FACTOR

WIND LOAD

V= 95 MPH	BASIC WIND SPEED (3-SECOND GUST)
I= 1.0	WIND IMPORTANCE FACTOR TABLE 6-1, ASCE-7

BUILDING CATEGORY II
EXPOSURE CATEGORY C
Gcpi= +/-0.18 ENCLOSED BUILDINGS TABLE 6-7, ASCE-7

p= +19 PSF/-25 PSF DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING AT WALL

p= +10 PSF/-37 PSF DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING AT ROOF <10

EARTHQUAKE LOAD
IEQ= 1.0
SS= 0.29 MAPPED SPECTRAL RESPONSE ACCELERATION (SHORT PERIOD)
S1= 0.1 MAPPED SPECTRAL RESPONSE ACCELERATION (1SEC. PERIOD)

SITE CLASS D
SEISMIC DESIGN CATEGORY = C

SDS= 0.303 SPECTRAL RESPONSE COEFFICIENT (SHORT PERIOD)
SD1= 0.16 SPECTRAL RESPONSE COEFFICIENT (1SEC. PERIOD)

BASIC SEISMIC-FORCE-RESISTING-SYSTEM = BRACED FRAMES

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE ANALYSIS

B. STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2006 EDITION.
C. CONSULT STRUCTURAL ENGINEER IF LOCATIONS OR DESIGN WEIGHTS OF ROOF TOP UNITS DIFFER FROM THOSE ON PLANS.
D. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED.
E. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
F. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF OTHER TRADES (MECH'L, ELEC'L, ETC.) PRIOR TO FABRICATION AND INSTALLATION OF MATERIALS.
G. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION, FORMING, OR PLACEMENT OF MATERIALS. GENERAL CONTRACTOR SHALL REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT AND SHALL PROCEED WITH CONSTRUCTION ONLY AFTER DISCREPANCY HAS BEEN RESOLVED.
H. THE DETAILS DESIGNATED AS "TYPICAL DETAILS" (TYP) APPLY GENERALLY TO THE DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR
I. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND MECHANICAL SHEETS FOR MISCELLANEOUS STEEL.
J. CONTRACTOR SHALL REVIEW MECHANICAL SHEETS FOR MISCELLANEOUS CONCRETE.
K. THE DESIGN REPRESENTED BY THESE PLANS PROVIDES FOR STABILITY OF THE COMPLETED STRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN STRUCTURE STABILITY AND SAFETY DURING CONSTRUCTION PER REQUIREMENTS OF SEI/ASCE 37-01 DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION.

II. SITE

A. THE FOOTING SHALL BEAR AT A MINIMUM DEPTH OF 36 INCHES BELOW THE LOWEST ADJACENT FINAL GROUND SURFACE WITH A MAXIMUM NET ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF.
FOOTING EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER TO DETERMINE THAT SOILS CAPABLE OF SUPPORTING THE RECOMMENDED DESIGN BEARING PRESSURES ARE PRESENT AT AND IMMEDIATELY BELOW THE BEARING LEVEL. FOUNDATIONS BEARING ON HIGH PLASTICITY SOILS SHALL NECESSITATE ADDITIONAL OVER-EXCAVATION AND REPLACEMENT WITH PROPERLY COMPACTED FILL, FLOWABLE FILL, OR LEAN CONCRETE.
B. SOIL TREATMENT RECOMMENDATIONS ARE BASED ON GEOTECHNICAL REPORT ON PROPOSED 82ND AIRBORNE SHOPPETTE, FORT BRAGG, FAYETTEVILLE, NC. BY PSI INC. ON SEPTEMBER 3, 2010 (PSI PROJECT NO.0511176). THE CONTRACTOR SHALL PREPARE THE BUILDING PAD SUBGRADE IN CONFORMANCE WITH THE MATERIAL, METHODS AND THE TEST IN THE ABOVE MENTIONED SOIL REPORT.
24 INCHES CUSHION OF PROPERLY PLACED AND COMPACTED LOW PLASTICITY STRUCTURAL FILL SHALL BE PROVIDED BETWEEN THE BOTTOM OF THE FLOOR SLAB AND THE TOP OF POTENTIALLY EXPANSIVE SOILS. THE FLOOR SLABS SHALL BE UNDERLAIN BY A MINIMUM OF 4 INCHES OF COMPACTED AGGREGATE BASE COURSE MATERIAL. ALL BACKFILL IN AREAS SUPPORTING SLABS SHALL BE MOISTURE CONDITIONED AND COMPACTED AS REQUIRED IN THE GEOTECHNICAL REPORT. UNSUITABLE MATERIALS SHALL BE STRIPPED FROM AN AREA EXTENDING AT LEAST 10 FEET BEYOND THE OUTLINE OF THE STRUCTURE AND 5 FEET BEYOND THE PAVEMENT AREAS. FOR COMPLETE INFORMATION REFER TO THE REFERENCED GEOTECHNICAL REPORT.
C. FINE GRADING UNDER SLAB SHALL BE TRIMABLE, COMPACTABLE, GRANULAR FILL (NOT SAND).
D. A VAPOR BARRIER OF 15 MIL. STEGO WRAP VAPOR BARRIER OR BETTER (0.01 PERM MAXIMUM PER ASTM E 1745) SHALL BE PROVIDED ABOVE THE FINE GRADING.
E. CONTRACTOR SHALL BRACE WALL OR GRADE BEAM WHILE PLACING BACKFILL OR FILL MATERIAL.

III. CONCRETE

A. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL SLABS TO RECEIVE FLOOR COVERINGS SHALL HAVE A MAXIMUM WATER/CEMENTITIOUS RATIO OF 0.45, OR PROVIDE OTHER TOPICAL MEANS OF MOISTURE RESISTANCE ACCEPTABLE TO FLOORING MANUFACTURER.
B. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE.
C. REFER TO DOWEL SCHEDULE FOR ALL BARS MARKED "DWL." ON THE DRAWINGS.
D. LAP REINFORCING SPLICES #6 AND SMALLER BARS – 57 BAR DIAMETERS WITH 24" MINIMUM UNLESS NOTED OTHERWISE. LAP REINFORCING SPLICES #7 AND LARGER – 71 BAR DIAMETERS WITH 24" MINIMUM UNLESS NOTED OTHERWISE.
E. NON-SCHEDULED HORIZONTAL GRADE BEAM REINFORCEMENT SHALL BE PLACED AS FOLLOWS:

TOP BARS – SHALL BE SPLICED WHERE REQUIRED AT MID-SPAN. PROVIDE STANDARD ACI HOOKS AT ENDS OF BEAMS.
BOTTOM BARS – SHALL BE SPLICED OVER EACH INTERIOR SUPPORT AND SHALL EXTEND 12" INTO ADJACENT SPAN.

F. STIRRUPS SHALL BE SPACED AS SPECIFIED, STARTING FROM THE FACE OF EACH SUPPORT, WHERE THE FIRST STIRRUP IS SPACED AT "S/2" FROM THE FACE OF THE SUPPORT, WHERE "S" IS THE FIRST SPECIFIED STIRRUP SPACING.
G. PROVIDE CORNER BARS WITH 30 BAR DIAMETER LAP TO MATCH HORIZONTAL REINFORCEMENT AT ALL GRADE BEAM AND WALL INTERSECTIONS. 2'-0" LAP MINIMUM.
H. ALL REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL.
I. CONTRACTOR SHALL COORDINATE ALL PENETRATIONS, CONDUIT, CHAMFERS AND EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
J. CONTRACTOR SHALL SUBMIT TOPPING POUR SEQUENCE DRAWINGS. POURS SHALL BE LIMITED TO 10,000 SQ. FT., WITH 3 DAY LAPSE BETWEEN ADJACENT SEGMENTS.

IV. STRUCTURAL STEEL

A. WIDE FLANGE STEEL SHALL BE ASTM A992. BALANCE OF STRUCTURAL STEEL SHALL BE ASTM A36.
B. ROUND PIPE SHALL BE ASTM A53 GRADE B (Fy=35 ksi).
C. HSS SHAPES SHALL BE ASTM A500 GRADE B (Fy=46 ksi).
D. STEEL JOISTS AND JOIST GIRDERS SHALL MEET ALL SPECIFICATIONS OF THE LATEST S.J.I. EDITION. Fy=50 KSI.
E. STEEL JOISTS, JOIST GIRDERS AND BRIDGING SHALL BE DESIGNED BY MANUFACTURERS FOR NET UPLIFT FORCES DUE TO WIND OF 12 PSF.
F. STRUCTURAL STEEL CONNECTIONS NOT DETAILED SHALL BE AISC STANDARD TYPE 2 CONNECTIONS.
G. ALL BOLTED CONNECTIONS SHALL USE ASTM A325 BOLTS UNLESS NOTED OTHERWISE.
H. ALL TYPE 2 BEAM CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE TYPE UNLESS DETAILED OTHERWISE. ANGLE SIZES, NUMBER AND SIZE OF BOLTS FOR FIELD CONNECTIONS SHALL BE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER, EMPLOYED BY THE CONTRACTOR. DESIGN STANDARD CONNECTIONS USING THE SHEAR SCHEDULED OR SHOWN ON THE DRAWINGS (INDICATE AS "R=K" AT THE MEMBER ENDS OR, WHEN NOT INDICATED, 55% OF MAXIMUM TOTAL UNIFORM LOAD FOUND IN PART 3 OF THE AISC STEEL CONSTRUCTION MANUAL, THIRTEENTH EDITION. (ASD OR LRFD)IN NO CASE SHALL THE NUMBER OF ROWS OF BOLTS IN THE BEAM CONNECTIONS BE LESS THAN THE NUMBER FOUND BY DIVIDING THE NOMINAL BEAM DEPTH BY SIX (6) AND ROUNDING ANY FRACTION UP TO THE NEXT HIGHEST NUMBER.
I. ALL WELDS SHALL BE MADE USING E70 ELECTRODES.
J. HEADED STUDS (H.S.) SHALL BE NELSON OR BETTER.
K. X-BRACING CONNECTIONS SHALL BE DESIGNED BY FABRICATOR TO DEVELOP TENSILE CAPACITY OF BRACE.
L. STANDING SEAM ROOF DECK SHALL NOT PROVIDE LATERAL SUPPORT FOR JOIST TOP CHORD.
M. TEMPORARY CONSTRUCTION BRACING OF THE STRUCTURAL STEEL FRAME SHALL REMAIN IN PLACE UNTIL AFTER THE FLOOR AND ROOF DECK ATTACHMENTS HAVE BEEN COMPLETED AND ALL PERMANENT BRACING HAS BEEN INSTALLED.

V. METAL ROOF DECK

A. PROVIDE 1-1/2" METAL DECKING 22 GAGE, TYPE "F" ROOF DECK AS PER SDI SPECIFICATIONS (MINIMUM SECTION PROPERTIES SHALL BE Sp=.112 IN^3/FT, Ix=.121 IN^4/FT).
B. ROOF DECK SHALL BE CONTINUOUS OVER THREE (3) SPANS MINIMUM.
C. SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL DECK.
D. MINIMUM DECK ATTACHMENTS PARALLEL TO DECK FLUTES:
   1. DECK TO DECK SIDE LAPS – #10 TEK SCREWS AT 3 POINTS BETWEEN SUPPORTS
   2. ALONG PERIMETER SUPPORTS – 5/8" DIAMETER PUDDLE WELDS AT 36/5 PATTERN
E. MINIMUM DECK ATTACHMENTS PERPENDICULAR TO DECK FLUTES: 5/8" DIAMETER PUDDLE WELDS AT 36/5 PATTERN BETWEEN LAP FLUTES OR MECHANICAL FASTENERS PROVIDING EQUIVALENT OR BETTER DIAPHRAGM CAPACITY AND STIFFNESS, AND UPLIFT RESISTANCE CAPACITY PER S.D.I.
F. PROVIDE 18" WIDE 20 GAGE FILLER SHEETS CENTERED ON NON-NESTING SIDE LAPS AS REQUIRED. CONNECT AS PER NOTE D ABOVE.

VI. COLD-FORMED METAL FRAMING

A. PROVIDE LIGHTGAGE STRUCTURAL MEMBERS AS DETAILED OR NOTED ON PLAN OR IN SECTIONS AND DETAILS.
B. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS." LATEST EDITION.
C. ALL STRUCTURAL MEMBERS SHALL BE FORMED FROM HOT-DIP GALVANIZED STEEL, G-60 COATING, CONFORMING TO THE REQUIREMENTS OF ASTM A653, GRADE D, WITH A MINIMUM YIELD OF 50 KSI.
D. SPACING OF STRUCTURAL METAL STUDS SHALL NOT EXCEED 24" O.C.
E. ATTACHMENT OF STRUCTURAL MEMBERS SHALL BE BY WELDING, BOLTING, OR WITH SELF-DRILLING SCREWS. WIRE TYING OF FRAMING COMPONENTS IN STRUCTURAL APPLICATIONS WILL NOT BE PERMITTED.
F. METAL STUDS SHALL BE LATERALLY BRACED WITH MECHANICAL BRIDGING INSTALLED AT A MAXIMUM OF FORTY-EIGHT INCHES (48") ON CENTER.
G. ROOF FRAMING AND WALL FRAMING SHALL BE LAID OUT PRIOR TO CONSTRUCTION TO COORDINATE THE PLACEMENT OF A WALL STUD BELOW EVERY PREFABRICATED METAL TRUSS, ROOF PURLIN, OR RAFTER WHICH BEARS ON THE TOP TRACK. REFER TO STRUCTURAL DETAILS FOR STUD SIZE AND GAGE.
H. PROVIDE SHOP DRAWINGS AND INDICATE SIZE MATERIAL, FINISH, DETAILS AND JOINT ATTACHEMENTS. PROVIDE ENGINEERING CALCULATIONS TO SUPPLEMENT THE GENERAL DESIGN WITH THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER.

VII. IBC 2006 SPECIAL INSPECTIONS REQUIRED FOR APPROVAL

A. CONTINUOUS SPECIAL INSPECTION SHALL BE DEFINED AS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
B. PERIODIC SPECIAL INSPECTION SHALL BE THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
C. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS REQUIRED IN SECTION 109.
D. INSPECTION OF FABRICATORS
   1. WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED.
      A. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATORS ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR THE COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.
      B. SPECIAL INSPECTIONS REQUIRED BY THESE GENERAL NOTES ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
E. STEEL INSPECTIONS
   1. PERIODIC MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS
   2. PERIODIC INSPECTION OF BEARING-TYPE CONNECTIONS (1704.3.3)
   3. CONTINUOUS INSPECTION OF SLIP-CRITICAL TYPE CONNECTIONS (1704.3.3) OR
   4. PERIODIC INSPECTION OF SLIP-CRITICAL TYPE CONNECTIONS (1704.3.3)
   5. CONTINUOUS INSPECTION OF COMPLETE AND PARTIAL PEN. GROOVE WELDS (1704.3.1)
   6. CONTINUOUS INSPECTION OF MULTI-PASS FILLET WELDS (1704.3.1)
   7. CONTINUOUS INSPECTION OF SINGLE-PASS FILLET WELDS >5/16" (1704.3.1)
   8. PERIODIC INSPECTION OF SINGLE-PASS FILLET WELDS <5/16" (1704.3.1)
   9. PERIODIC INSPECTION OF FLOOR AND DECK WELDS (1704.3.1)
   10. CONTINUOUS INSPECTION OF REBAR WELDING (1903.5.2)
   11. PERIODIC INSPECTION OF STEEL DETAILING FOR COMPLIANCE WITH CONST. DOCS. (1704.3.2)
F. CONCRETE INSPECTIONS
   1. PERIODIC INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT (1903.5, 1907.1, 1907.7, 1914.4)
   2. CONTINUOUS INSPECTION OF BOLTS INSTALLED IN CONCRETE WITH INCREASE IN DESIGN LOAD (1912.5)
   3. PERIODIC INSPECTION OF DESIGN MIX (1904, 1905.2-1905.4, 1914.2, 1914.3)
   4. CONTINUOUS INSPECTION OF SLUMP, AIR CONTENT, AND TEMPERATURE AT TIME OF SAMPLING (1905.6, 1914.10)
   5. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES (1905.9, 1905.10, 1914.6, 1914.7, 1914.8)
   6. PERIODIC INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (1905.11, 1905.13, 1914.9)
   7. CONTINUOUS INSPECTION OF PRESTRESSED CONCRETE FORCE APPLICATION AND GROUTING OF BONDED TENDONS
   8. PERIODIC INSPECTION OF ERECTION OF PRECAST CONCRETE MEMBERS
   9. PERIODIC INSPECTION OF IN-SITU CONCRETE STRENGTH (1906.2)
G. SOILS (EXCEPT FILL LESS THAN 12 INCHES DEEP)
   1. PRIOR TO PLACEMENT OF THE PREPARED FILL, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE APPROVED SOIL REPORT.
   2. DURING PLACEMENT AND COMPACTION OF THE FILL MATERIAL, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE MATERIAL BEING USED AND THE MAXIMUM LIFT THICKNESS COMPLY WITH THE APPROVED REPORT. (1803.4)
   3. THE SPECIAL INSPECTOR SHALL DETERMINE ,AT THE APPROVED FREQUENCY, THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL COMPLIES WITH THE APPROVED REPORT

SHAO MIN SHI
102760
Neal & Assoc., Inc.

EXCHANGE

DATE | REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

morris+associates
Build on Our Strengths
12715 TELGE ROAD CYPRESS, TX. 77429

PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION

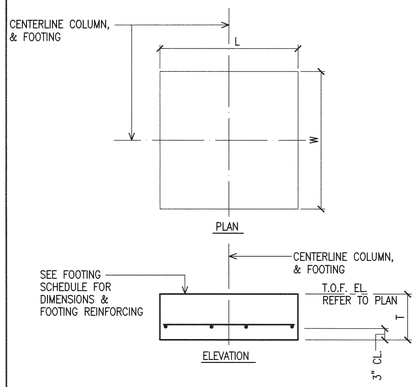
FORT BRAGG NORTH CAROLINA

DRAWING TITLE: GENERAL NOTES

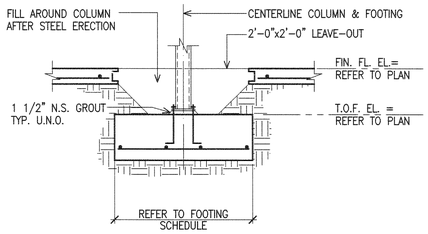
DATE:	SCALE:	SHEET:
6/8/12	N.T.S.	S0.1
DRAWING/PROJECT NO: 0530-06-000005		OF

FOOTING SCHEDULE

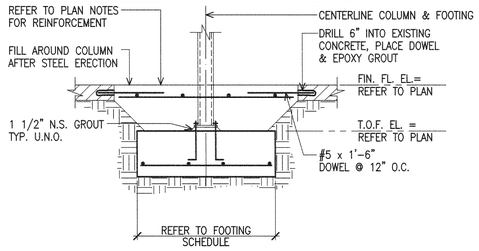
MARK	DIMENSIONS L	W	T	DETAIL	REINFORCING	NOTES
F1	2'-6"	2'-6"	1'-0"	1/S1.1	3-#5 BOTTOM EACH WAY	
F2	3'-0"	3'-0"	1'-0"	1/S1.1	4-#5 BOTTOM EACH WAY	
F3	4'-0"	4'-0"	1'-2"	1/S1.1	5-#5 BOTTOM EACH WAY	
F4	5'-0"	5'-0"	1'-2"	1/S1.1	6-#5 BOTTOM EACH WAY	
F5	6'-0"	6'-0"	1'-2"	1/S1.1	7-#5 BOTTOM EACH WAY	
F6	7'-0"	7'-0"	1'-2"	1/S1.1	8-#6 BOTTOM EACH WAY	
F7	7'-0"	7'-0"	3'-0"	1/S1.1	8-#8 TOP & BOTTOM EACH WAY	
F8	8'-0"	8'-0"	3'-0"	1/S1.1	9-#8 TOP & BOTTOM EACH WAY	
F9	6'-0"	6'-0"	3'-0"	1/S1.1	7-#8 TOP & BOTTOM EACH WAY	



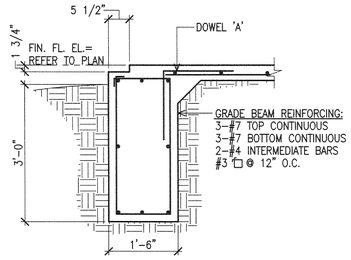
SPREAD FOOTING
1 DETAIL



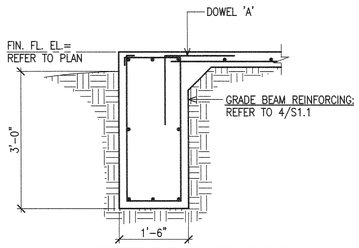
INTERIOR COLUMN AT FOOTING
2 DETAIL



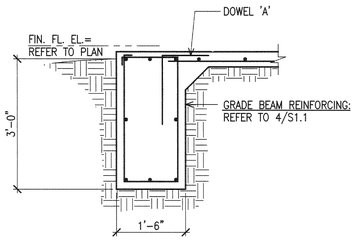
INTERIOR COLUMN AT FOOTING
3 DETAIL



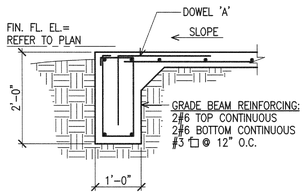
PERIMETER GRADE BEAM WITH LEDGE
4 DETAIL



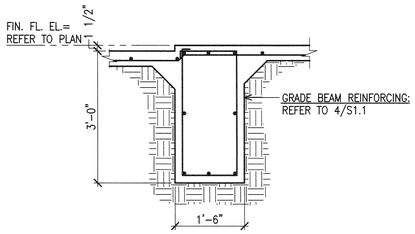
PERIMETER GRADE BEAM WITHOUT LEDGE
5 DETAIL



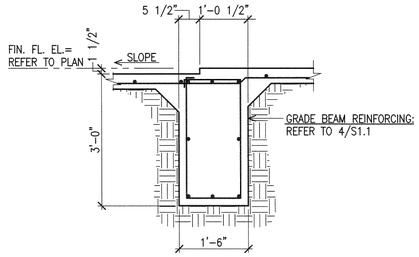
PERIMETER GRADE BEAM WITHOUT LEDGE
6 DETAIL



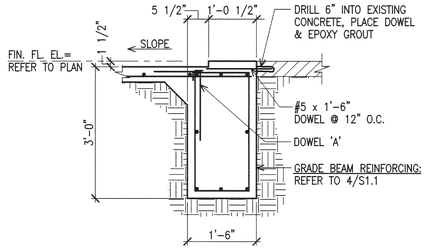
PERIMETER GRADE BEAM WITHOUT LEDGE
7 DETAIL



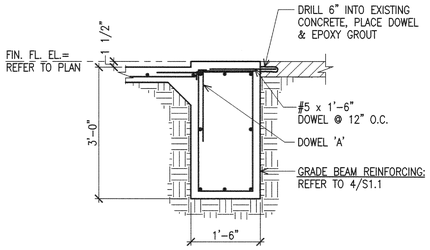
INTERIOR GRADE BEAM
8 DETAIL



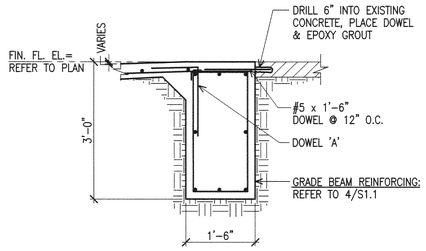
INTERIOR GRADE BEAM
9 DETAIL



INTERIOR GRADE BEAM
10 DETAIL



INTERIOR GRADE BEAM
11 DETAIL



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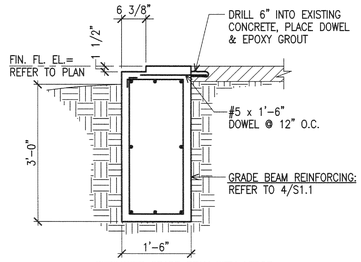
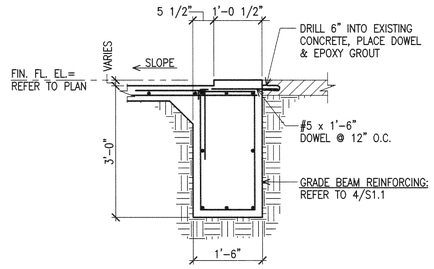
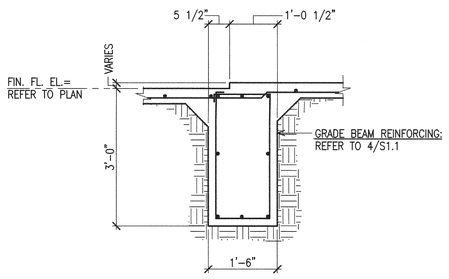
12 DETAIL



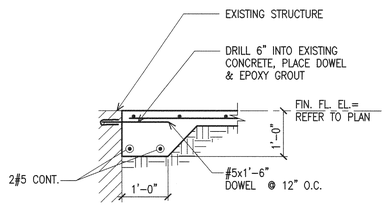
PERIMETER GRADE BEAM WITH LEDGE
13 DETAIL



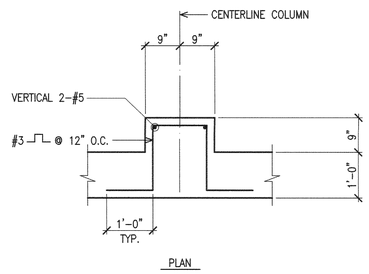
INTERIOR GRADE BEAM
14 DETAIL



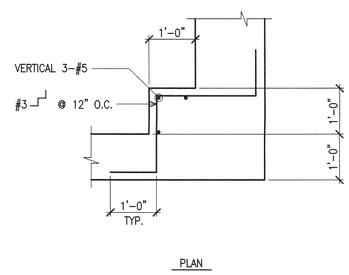
INTERIOR GRADE BEAM
15 DETAIL



NEW SLAB DOWELED TO EXISTING STRUCTURE
16 DETAIL

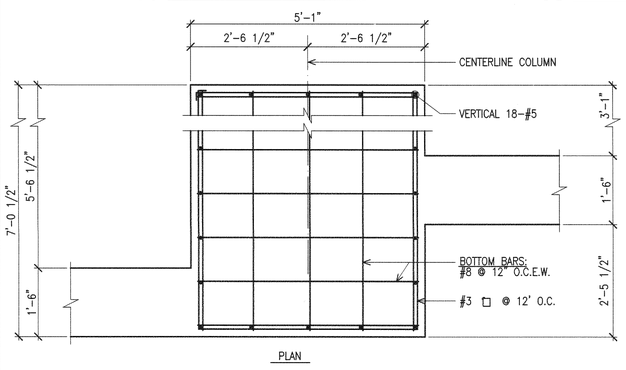


ADDITIONAL REINFORCEMENT AT PILASTER
17 DETAIL

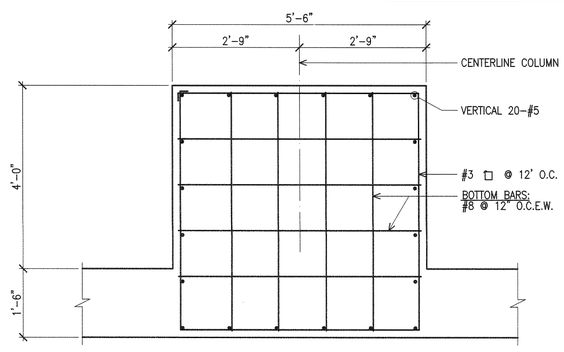


ADDITIONAL REINFORCEMENT AT PILASTER
18 DETAIL

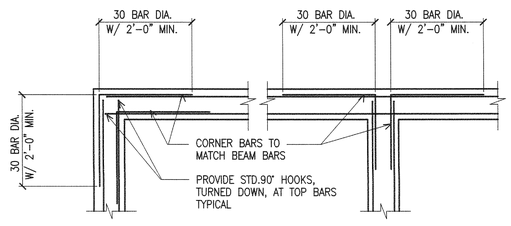
19 NOT USED



ADDITIONAL REINFORCEMENT AT PILASTER
20 DETAIL



ADDITIONAL REINFORCEMENT AT PILASTER
21 DETAIL



GRADE BEAM CORNER REINF.
22 DETAIL

DOWEL SCHEDULE

SCHEDULED DOWELS ARE MARKED "DWL" ON THE SECTIONS AND DETAILS.

"A" "B"

MARK	SIZE	"A"	"B"	SPACING
A	#3	1'-6"	1'-6"	18" O.C.

STATE OF TEXAS
SHAO MIN SHI
102760
LICENSED
PROFESSIONAL ENGINEER
08-06-12

Frank W. Neal & Assoc., Inc.
1915 W. Broadway . Fort Worth . Texas 76104
817.332.1944 . fwna-eng.com
North Carolina Certificate of Authorization No. 10617A3

EXCHANGE

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: WZ/JL
DATE: --

FIRM #1449
morris+associates
Build on Our Strengths
13715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-5433
(281) 858-4504 FAX
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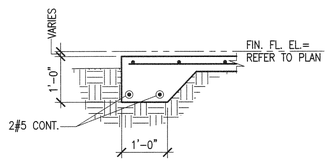
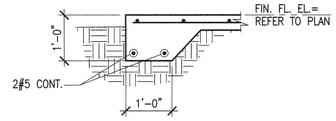
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FOUNDATION DETAILS

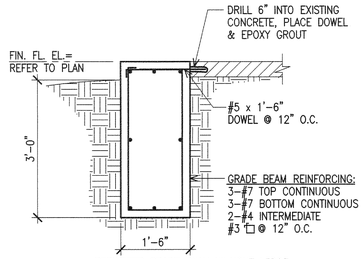
DATE: 6/8/12
SCALE: 3/4"=1'-0"
SHEET: S1.1
DRAWING/PROJECT NO: 0530-06-000005



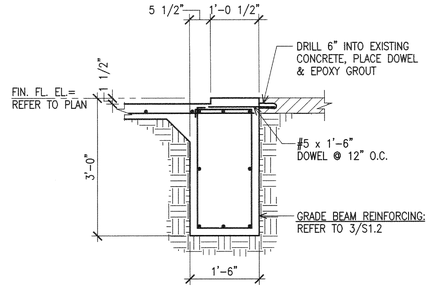
NEW TURN DOWN SLAB
1 DETAIL



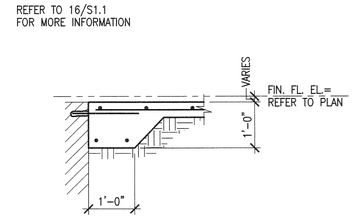
NEW TURN DOWN SLAB
2 DETAIL



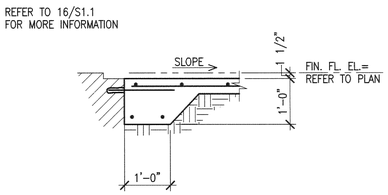
PERIMETER GRADE BEAM WITHOUT LEDGE
3 DETAIL



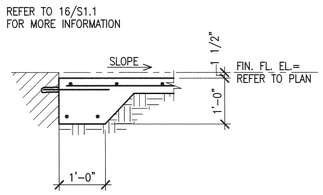
INTERIOR GRADE BEAM
4 DETAIL



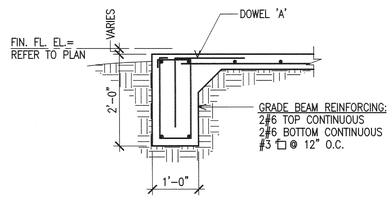
NEW SLAB DOWELED TO EXISTING STRUCTURE
5 DETAIL



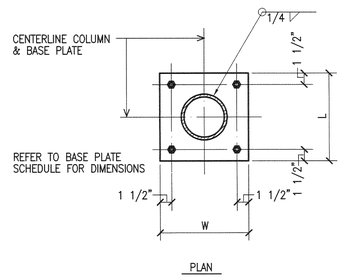
NEW SLAB DOWELED TO EXISTING STRUCTURE
6 DETAIL



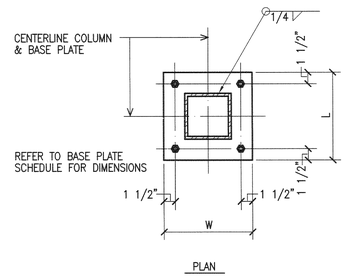
NEW SLAB DOWELED TO EXISTING STRUCTURE
7 DETAIL



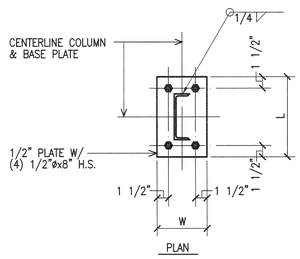
PERIMETER GRADE BEAM WITHOUT LEDGE
8 DETAIL



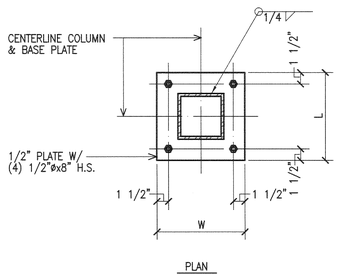
BASE PLATE – PIPE COLUMN
9 DETAIL



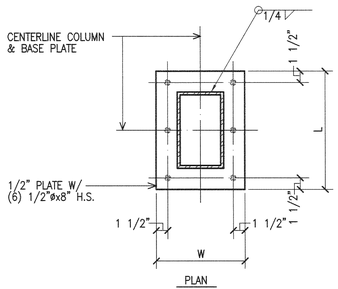
BASE PLATE – HSS COLUMN
10 DETAIL



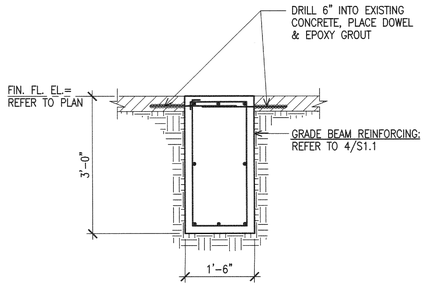
EMBED PLATE – CHANNEL COLUMN
12 DETAIL



EMBED PLATE – HSS COLUMN
13 DETAIL



BASE PLATE – HSS COLUMN
14 DETAIL



INTERIOR GRADE BEAM
15 DETAIL

BASE PLATE SCHEDULE

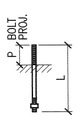
MARK	DIMENSIONS			THICK.	ANCHOR ROD	REMARKS
	L	W	X			
BP-1	10"	10"	–	3/4"	AR-1	10/S1.2
BP-2	12"	12"	–	3/4"	AR-1	10/S1.2
BP-3	18"	18"	–	3/4"	AR-1	10/S1.2
BP-4	10"	10"	–	3/4"	AR-1	9/S1.2
BP-5	14"	14"	–	3/4"	AR-1	9/S1.2

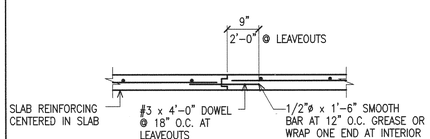
EMBED PLATE SCHEDULE

MARK	DIMENSIONS			REMARKS
	L	W	X	
EP-1	8"	4"	–	12/S1.2
EP-2	8"	8"	–	13/S1.2
EP-3	14"	8"	–	14/S1.2
EP-4	18"	14"	–	14/S1.2

ANCHOR ROD SCHEDULE

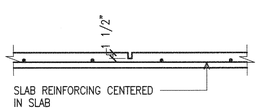
MARK	DIA.	DIMENSIONS			MATERIAL
		L	H	P	
AB1	3/4"ø	16"	–	4"	F1554, GRADE 36



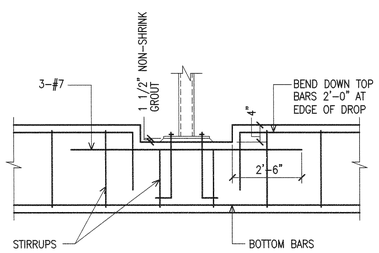


CONSTRUCTION JOINT (C.J.)
16 DETAIL

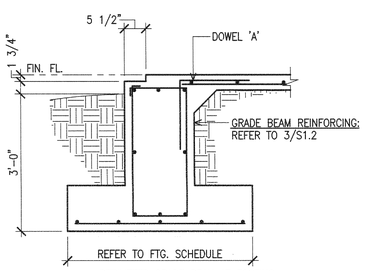
NOTE:
SAWN JOINT SHALL BE CUT WITHIN
12 HOURS OF SLAB PLACEMENT.



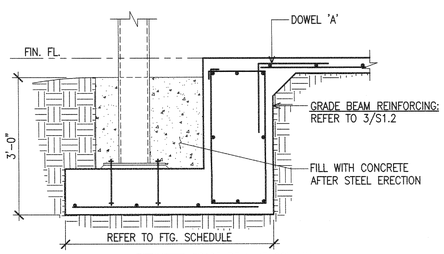
SAWN JOINT (S.J.)
17 DETAIL



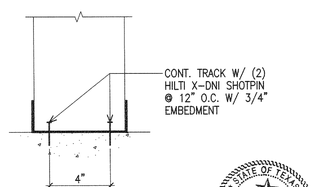
REINFORCING AT BLOCKOUT IN GRADE BEAM
18 DETAIL



PERIMETER GRADE BEAM AT FOOTING
19 DETAIL



PERIMETER GRADE BEAM AT COLUMN
20 DETAIL



COLD FORMED STEEL TRACK
TO CONCRETE CONNECTION
21 DETAIL

STATE OF TEXAS
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102760
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North Carolina Certificate of Authorization No. C-0741

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SOLICITATION DOCUMENTS

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CHECKED BY: MZ/JL
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morris+associates
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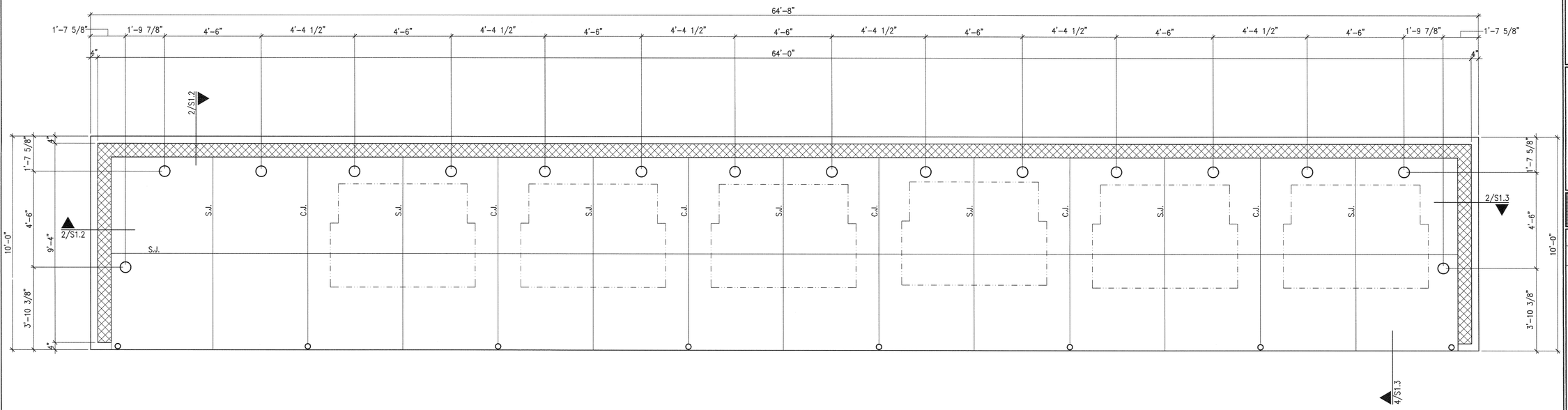
PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

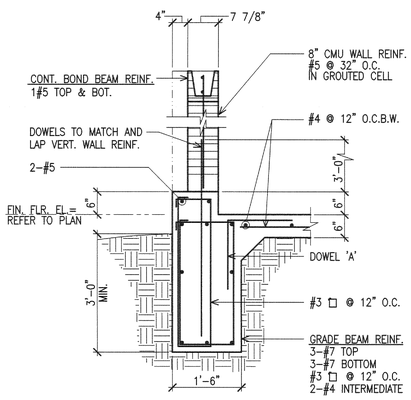
DRAWING TITLE:
FOUNDATION
DETAILS

DATE:	SCALE:	SHEET:
6/8/12	3/4"=1'-0"	S1.2

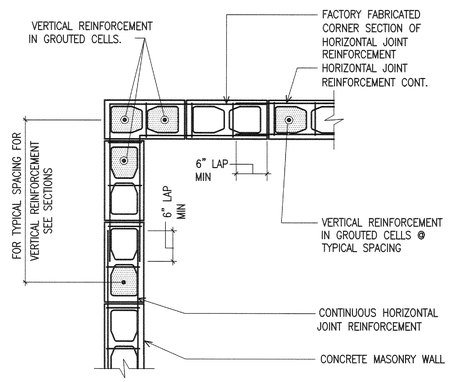
DRAWING/PROJECT NO: 0530-06-000005
OF



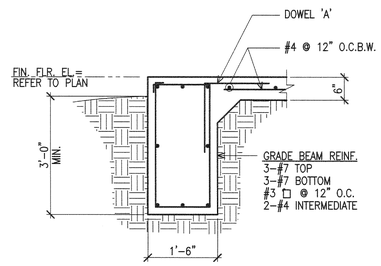
1 DUMPSTER FOUNDATION PLAN
S1.3 SCALE: 1/8"=1'-0"



DUMPSTER SCREEN WALL
2 DETAIL
SCALE: 3/4"=1'-0"



CMU CORNER REINFORCING PLACEMENT
3 DETAIL
SCALE: 3/4"=1'-0"



DUMPSTER SCREEN WALL
4 DETAIL
SCALE: 3/4"=1'-0"

PLAN NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.1 FOR GENERAL NOTES.
3. REFER TO SHEET S1.1 FOR DETAILS NOT NOTED ON PLAN.
4. FINISH FLOOR = DATUM ELEVATION 100'-0", ACTUAL = REFER TO CIVIL.
8. FLOOR SLAB SHALL BE 6" THICK CONCRETE REINFORCED WITH #4 @ 12" O.C.B.W. CENTERED IN SLAB.
9. PROVIDE 2#4X3'-0" DOWELS CENTERED IN SLAB AT ALL INTERIOR CORNERS WITHOUT A CONSTRUCTION OR SAWN JOINT.
10. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
DUMPSTER PLAN AND DETAILS

DATE:	SCALE:	SHEET:
6/8/12	1/2"=1'-0"	S1.3
DRAWING/PROJECT NO: 0530-06-000005		OF

STATE OF TEXAS
SHAO MIN SHI
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PROFESSIONAL ENGINEER
6-08-12

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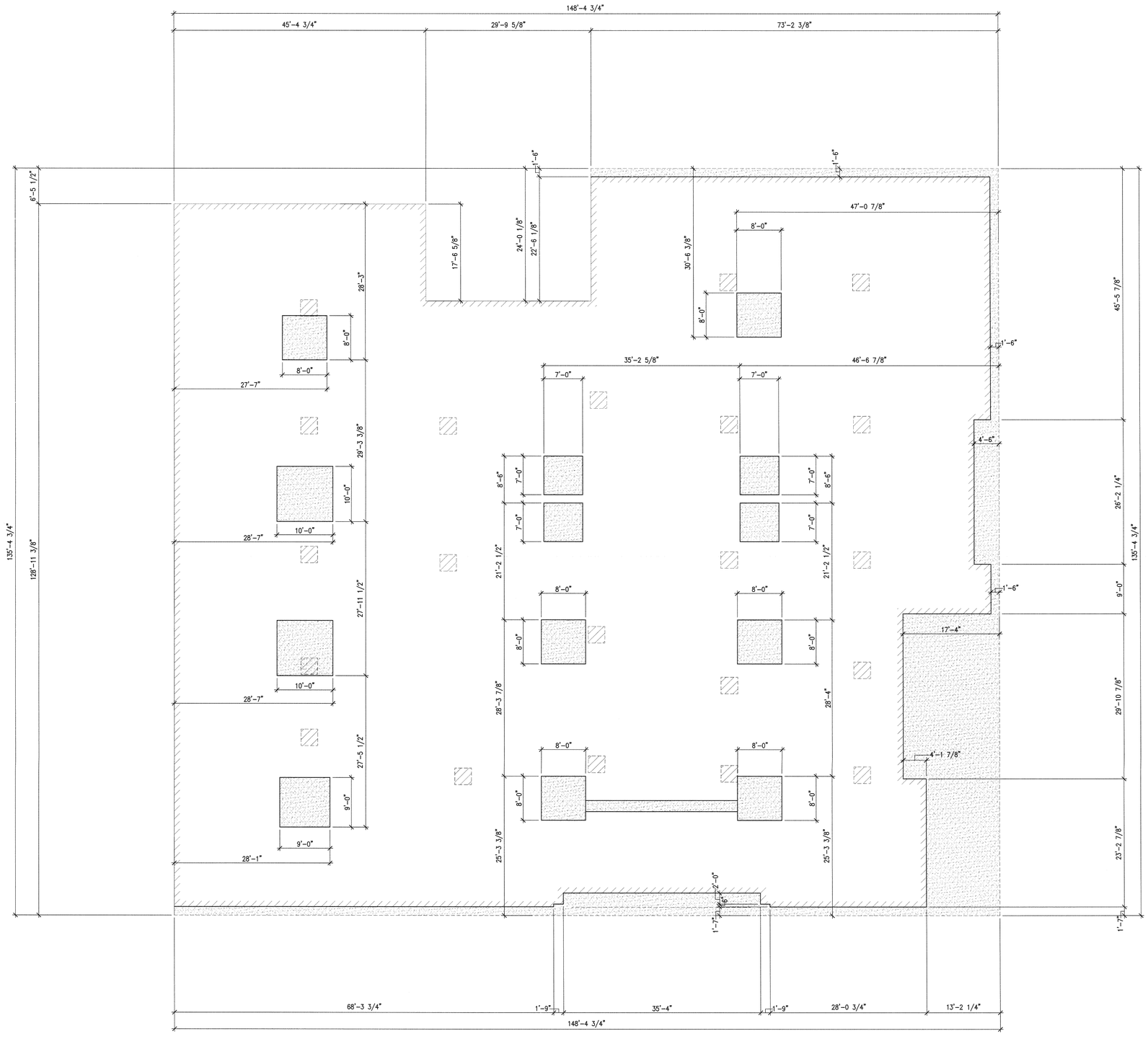

1 DEMOLITION PLAN
S2.0 SCALE: 3/4"=1'-0"

PLAN NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. INDICATES EXISTING FOUNDATION TO REMAIN.
3. INDICATES EXISTING FOUNDATION TO BE DEMOLISHED.
4. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.

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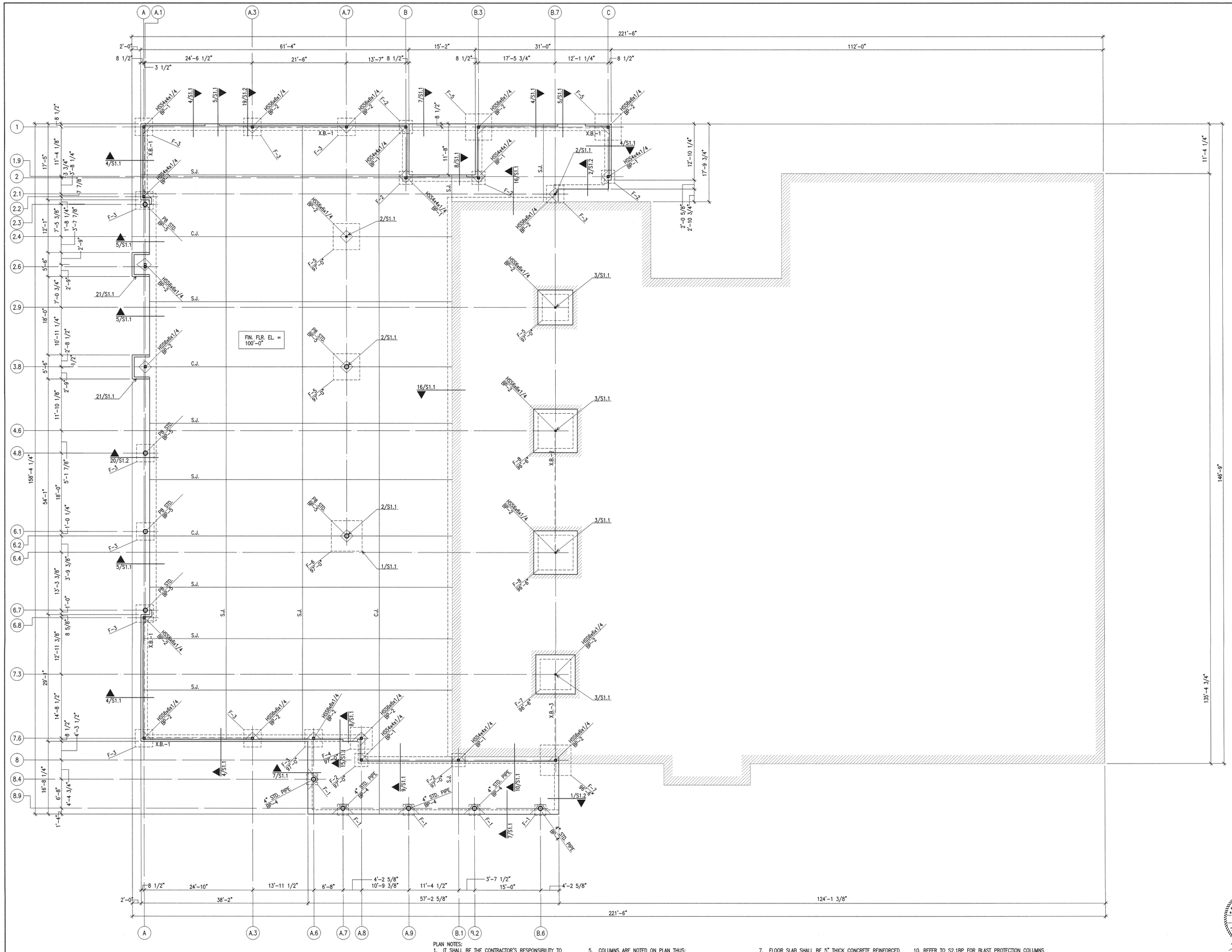
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
DEMOLITION PLAN

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.0

DRAWING/PROJECT NO: 0530-06-000005
OF



1 FOUNDATION PLAN
S2.1 SCALE: 1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.1 FOR GENERAL NOTES.
3. REFER TO SHEET S1.1 & S1.2 FOR DETAILS NOT NOTED ON PLAN.
4. FINISH FLOOR = DATUM ELEVATION 100'-0", ACTUAL = REFER TO CIVIL.
5. COLUMNS ARE NOTED ON PLAN THUS:
   4"ø ← COLUMN SIZE (STD. PIPE U.N.O.)
   BP-1 ← BASE PLATE MARK. REFER TO BASE PLATE SCHEDULE FOR INFORMATION.
6. FOOTINGS ARE NOTED ON PLAN THUS:
   F-1 ← REFER TO FOOTING SCHED.
   98'-0" ← BOTTOM OF FOOTING ELEVATION
7. FLOOR SLAB SHALL BE 5" THICK CONCRETE REINFORCED WITH #3 @ 14" O.C.B.W. CENTERED IN SLAB.
8. PROVIDE 2#4X3'-0" DOWELS CENTERED IN SLAB AT ALL INTERIOR CORNERS WITHOUT A CONSTRUCTION OR SAWN JOINT.
9. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.
10. REFER TO S2.1BP FOR BLAST PROTECTION COLUMNS AND EMBED PLATES.
11. (X.B.-_) INDICATES X-BRACE ON PLAN. REFER TO S3.3 FOR X-BRACE FRAME ELEVATIONS AND DETAILS.

STATE OF TEXAS
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102760
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PROFESSIONAL ENGINEER
06-08-12

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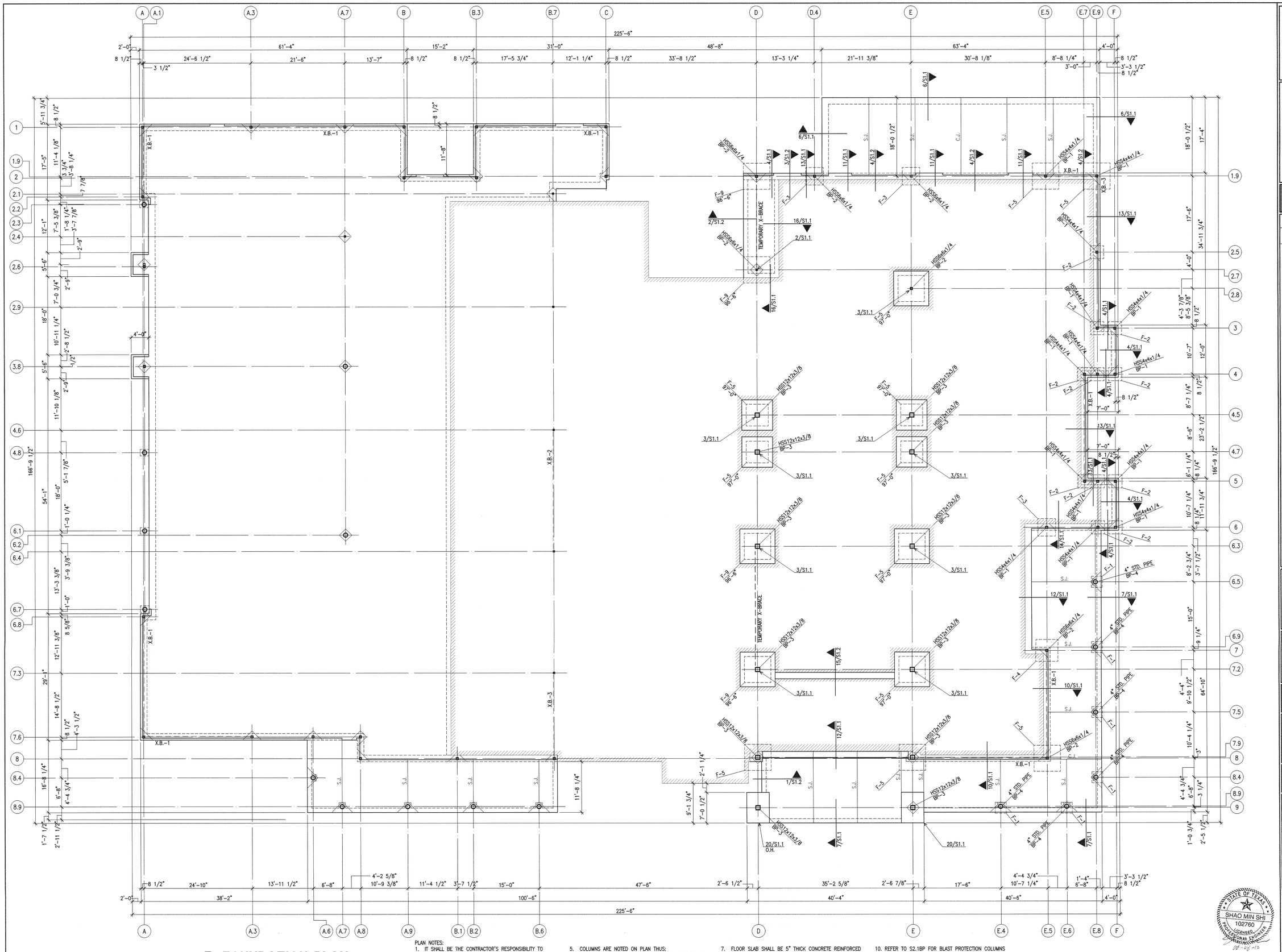
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FOUNDATION PLAN PH.1

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.1A

DRAWING/PROJECT NO: 0530-06-000005
OF



1 FOUNDATION PLAN
S2.1 SCALE: 1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.1 FOR GENERAL NOTES.
3. REFER TO SHEET S1.1 & S1.2 FOR DETAILS NOT NOTED ON PLAN.
4. FINISH FLOOR = DATUM ELEVATION 100'-0", ACTUAL = REFER TO CIVIL.
5. COLUMNS ARE NOTED ON PLAN THUS:
   4"ø ← COLUMN SIZE (STD. PIPE U.N.O.)
   BP-1 ← BASE PLATE MARK. REFER TO BASE PLATE SCHEDULE FOR INFORMATION.
6. FOOTINGS ARE NOTED ON PLAN THUS:
   F-1 ← REFER TO FOOTING SCHED.
   98'-0" ← BOTTOM OF FOOTING ELEVATION
7. FLOOR SLAB SHALL BE 5" THICK CONCRETE REINFORCED WITH #3 @ 14" O.C.B.W. CENTERED IN SLAB.
8. PROVIDE 2#4X3'-0" DOWELS CENTERED IN SLAB AT ALL INTERIOR CORNERS WITHOUT A CONSTRUCTION OR SAWN JOINT.
9. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.
10. REFER TO S2.1BP FOR BLAST PROTECTION COLUMNS AND EMBED PLATES.
11. (X.B.-_) INDICATES X-BRACE ON PLAN. REFER TO S3.3 FOR X-BRACE FRAME ELEVATIONS AND DETAILS.

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DATE	REVISION NO. & DESCRIPTION

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CHECKED BY: MZ/JL
DATE: –

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FOUNDATION PLAN PH.2

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.1B

DRAWING/PROJECT NO: 0530-06-000005

STATE OF TEXAS SHAO MIN SHI 102760 LICENSED PROFESSIONAL ENGINEER
08-06-12

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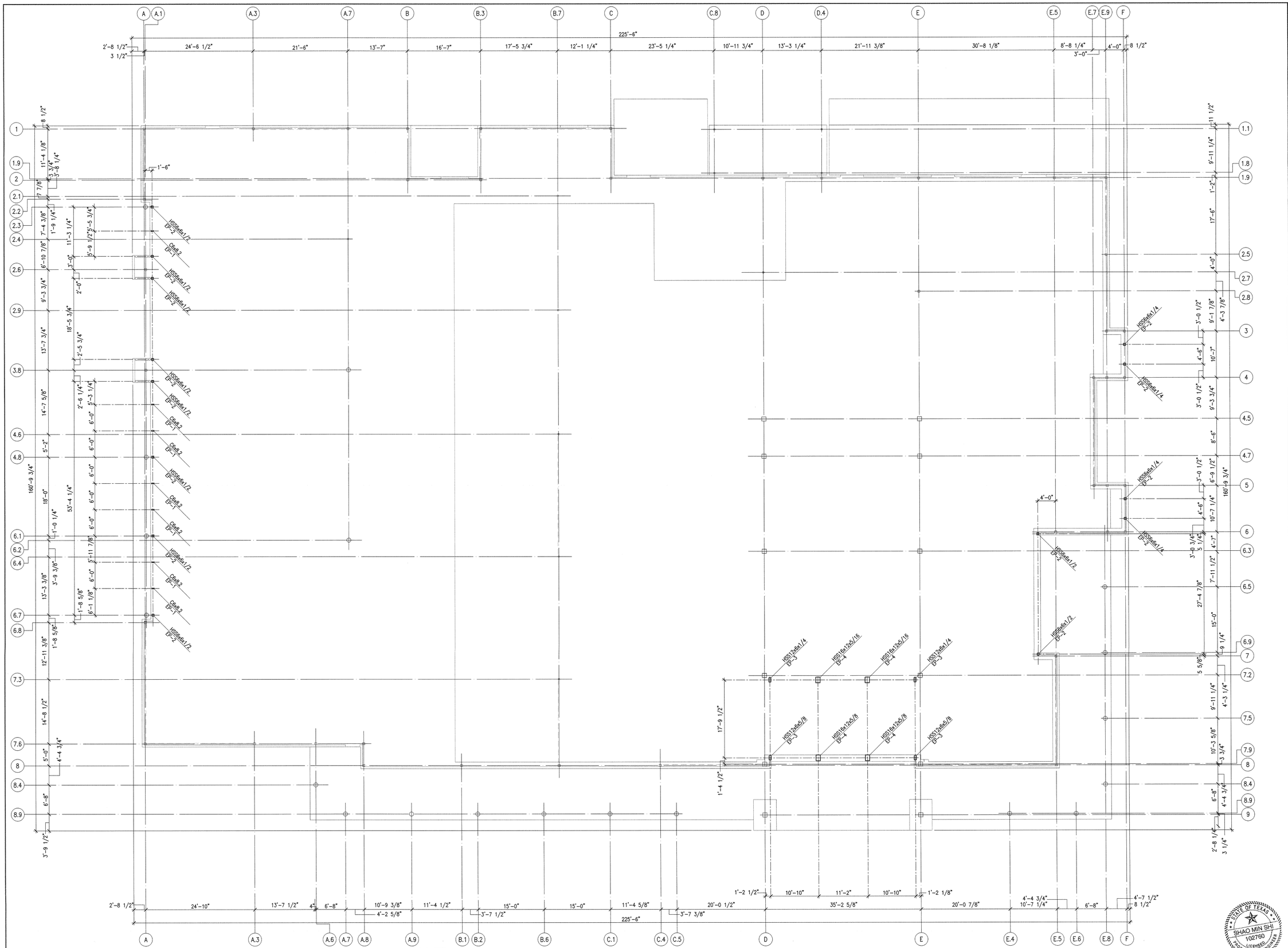
North Carolina Certificate of Authorization No. 10E143



1 S2.1BP BLAST PROTECTION COLUMN LAYOUT
SCALE: 1/8"=1'-0"

PLAN NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.1 FOR GENERAL NOTES.
3. FINISH FLOOR = DATUM ELEVATION 100'-0", ACTUAL = REFER TO CIVIL.
4. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.
5. INSTALL EMBED PLATES AND ERECT MAIN FRAMING MEMBERS PRIOR TO INSTALLATION OF THE BLAST PROTECTION FRAMING.

STATE OF TEXAS
SHAO MIN SHI
102760
LICENSED
PROFESSIONAL ENGINEER
06-08-12

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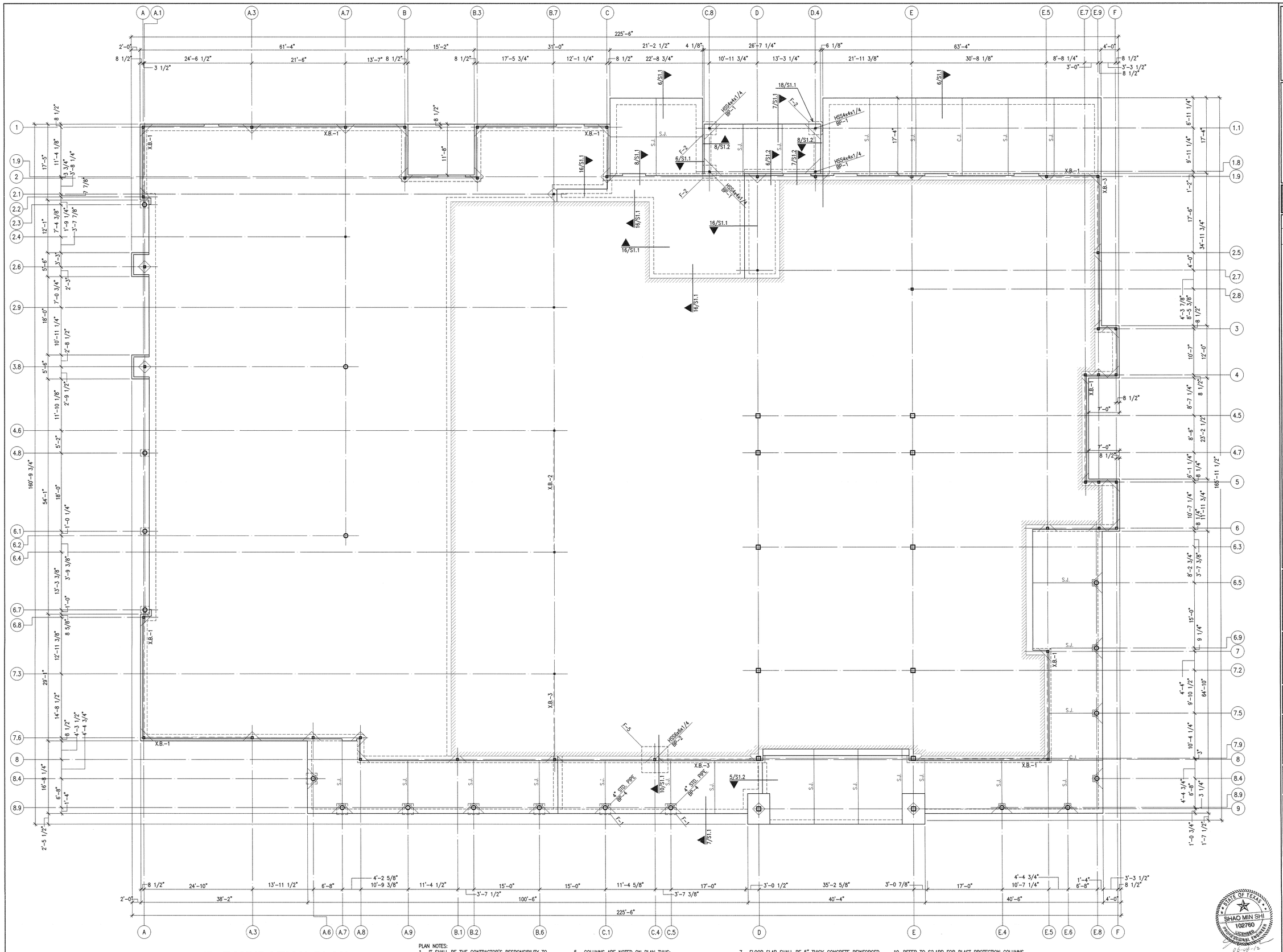
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
BLAST PROTECTION COLUMN LAYOUT

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.1BP
DRAWING/PROJECT NO: 0530-06-000005		OF



1 FOUNDATION PLAN
S2.1 SCALE: 1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.1 FOR GENERAL NOTES.
3. REFER TO SHEET S1.1 & S1.2 FOR DETAILS NOT NOTED ON PLAN.
4. FINISH FLOOR = DATUM ELEVATION 100'-0", ACTUAL = REFER TO CIVIL
5. COLUMNS ARE NOTED ON PLAN THUS:
   4"ø ← COLUMN SIZE (STD. PIPE U.N.O.)
   BP-1 ← BASE PLATE MARK. REFER TO BASE PLATE SCHEDULE FOR INFORMATION.
6. FOOTINGS ARE NOTED ON PLAN THUS:
   F-1 ← REFER TO FOOTING SCHED.
   98'-0" ← BOTTOM OF FOOTING ELEVATION
7. FLOOR SLAB SHALL BE 5" THICK CONCRETE REINFORCED WITH #3 @ 14" O.C.B.W. CENTERED IN SLAB.
8. PROVIDE 2#4X3'-0" DOWELS CENTERED IN SLAB AT ALL INTERIOR CORNERS WITHOUT A CONSTRUCTION OR SAWN JOINT.
9. REFER TO ARCHITECTURAL FOR LOCATION AND EXTENT OF ALL LEDGES, POCKETS OR DEPRESSIONS.
10. REFER TO S2.1BP FOR BLAST PROTECTION COLUMNS AND EMBED PLATES.
11. (X.B.-_) INDICATES X-BRACE ON PLAN. REFER TO S3.3 FOR X-BRACE FRAME ELEVATIONS AND DETAILS.

STATE OF TEXAS
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102760
LICENSED PROFESSIONAL ENGINEER
06-08-12

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North Carolina Certificate of Authorization No. F-0611743

EXCHANGE

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

FIRM #11449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-5433
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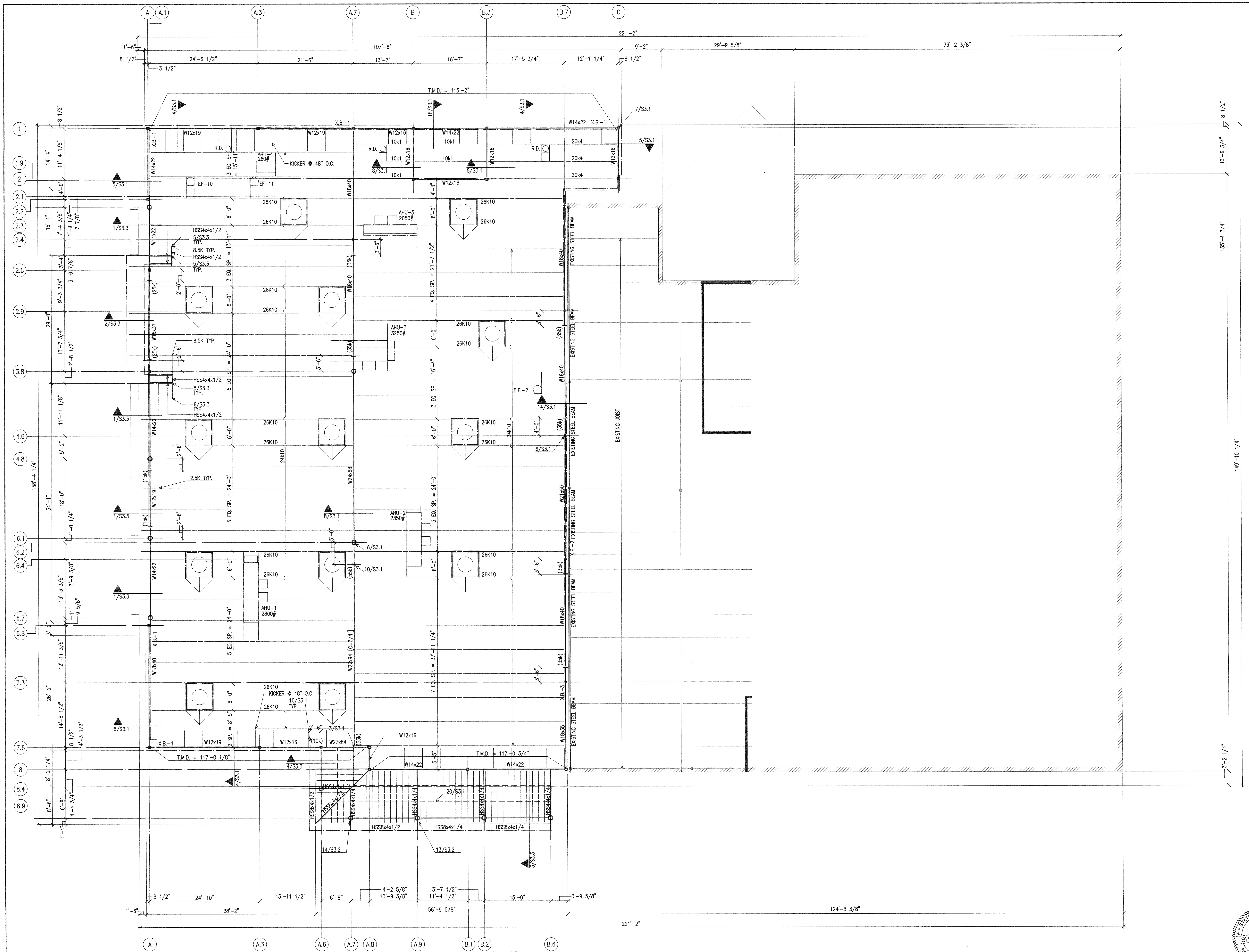
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FOUNDATION PLAN COMPLETION

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.1C

DRAWING/PROJECT NO: 0530-06-000005
OF_____



LOW ROOF FRAMING PLAN
1/S2.2 SCALE:1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.01 FOR GENERAL NOTES.
3. REFER TO SHEET S3.1, S3.2 & S3.3 FOR TYPICAL DETAILS NOT NOTED ON PLAN.
4. REFER TO PLAN FOR TOP OF METAL DECK (T.M.D.) ELEVATIONS.
5. JOIST MANUFACTURER SHALL DESIGN JOIST FOR UNIT LOAD SHOWN ON PLAN.
6. [ ] ON PLAN INDICATES MID-SPAN CAMBER.
7. STEEL JOIST BRIDGING SHALL BE PER THE STEEL JOIST INSTITUTE (SJI) SPECIFICATIONS.
8. REFER TO 11/S3.2 FOR MECHANICAL SUPPORT DETAIL.
9. REFER TO 20/S3.1 FOR BRIDGING DETAIL AT FRONT CANOPIES.

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North Carolina Certificate of Authorization No. 1061743

EXCHANGE

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

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PROJECT:

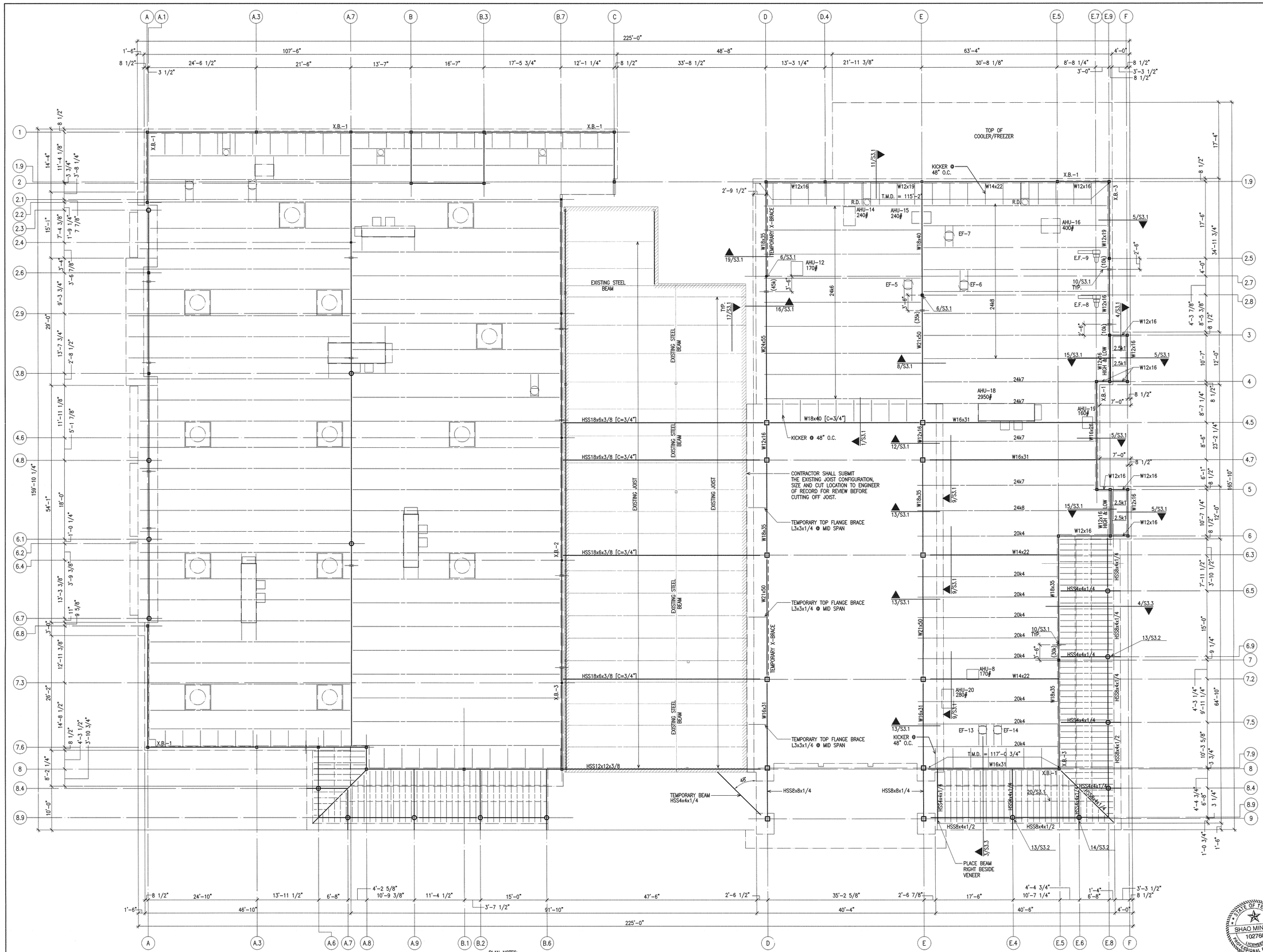
82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

LOW ROOF FRAMING PLAN

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.2A
DRAWING/PROJECT NO: 0530-06-000005		OF



1 S2.2 LOW ROOF FRAMING PLAN
SCALE:1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.01 FOR GENERAL NOTES.
3. REFER TO SHEET S3.1, S3.2 & S3.3 FOR TYPICAL DETAILS NOT NOTED ON PLAN.
4. REFER TO PLAN FOR TOP OF METAL DECK (T.M.D.) ELEVATIONS.
5. JOIST MANUFACTURER SHALL DESIGN JOIST FOR UNIT LOAD SHOWN ON PLAN.
6. [ ] ON PLAN INDICATES MID-SPAN CAMBER.
8. STEEL JOIST BRIDGING SHALL BE PER THE STEEL JOIST INSTITUTE (SJI) SPECIFICATIONS.
9. REFER TO 11/S3.2 FOR MECHANICAL SUPPORT DETAIL.
10. TEMPORARY X-BRACE SHALL BE HSS5x5x1/4. TEMPORARY X-BRACE SHALL BE REMOVED ONLY AFTER PHASE 3 STRUCTURE IS COMPLETE.
11. TEMPORARY BEAM SHALL BE REMOVED AFTER THE ROOF STRUCTURE AND CANOPY ARE INSTALLED.

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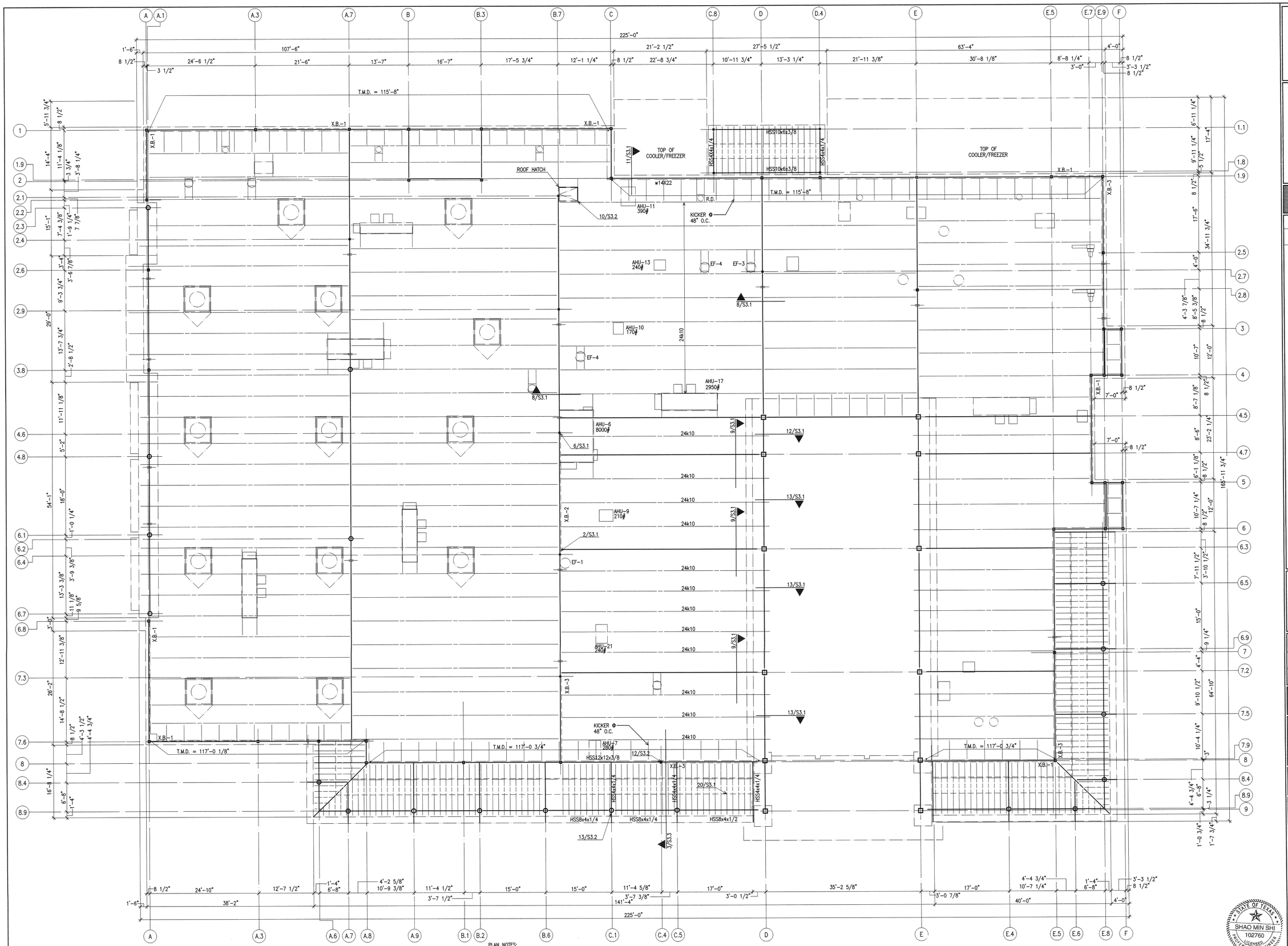
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
LOW ROOF FRAMING PLAN

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.2B

DRAWING/PROJECT NO: 0530-06-000005
OF



1 S2.2 LOW ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.01 FOR GENERAL NOTES.
3. REFER TO SHEET S3.1, S3.2 AND S3.3 FOR TYPICAL DETAILS NOT NOTED ON PLAN.
4. REFER TO PLAN FOR TOP OF METAL DECK (T.M.D.) ELEVATIONS.
5. JOIST MANUFACTURER SHALL DESIGN JOIST FOR UNIT LOAD SHOWN ON PLAN.
6. [ ] ON PLAN INDICATES MID-SPAN CAMBER.
8. STEEL JOIST BRIDGING SHALL BE PER THE STEEL JOIST INSTITUTE (SJI) SPECIFICATIONS.
9. REFER TO 11/S3.2 FOR MECHANICAL SUPPORT DETAIL.

EXCHANGE™

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
LOW ROOF FRAMING PLAN COMPLETE

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.2C

DRAWING/PROJECT NO: 0530-06-000005 OF

STATE OF TEXAS
SHAO MIN SHI
102760
LICENSED PROFESSIONAL ENGINEER
06-08-12

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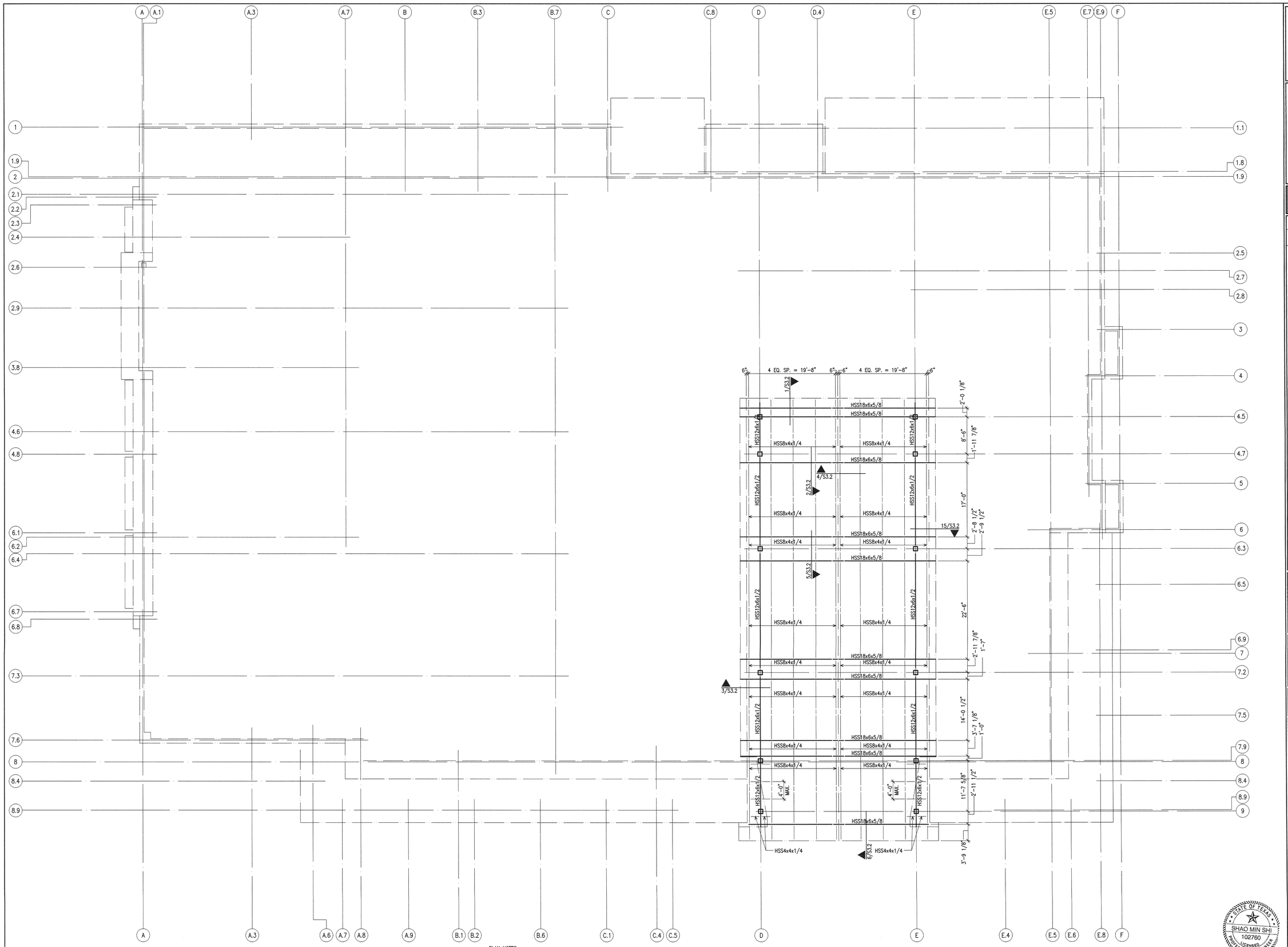

1 HIGH ROOF FRAMING PLAN
S2.3 SCALE:3/4"=1'-0"

PLAN NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. REFER TO SHEET S0.01 FOR GENERAL NOTES.
3. REFER TO SHEET S3.1, S3.2 & S3.3 FOR TYPICAL DETAILS NOT NOTED ON PLAN.
4. REFER TO ARCH'L PLAN FOR TOP OF METAL DECK (T.M.D.) ELEVATIONS.
5. PROVIDE OVERBUILT SHOP DRAWINGS (REFER TO GENERAL NOTES VI H) THE OVERBUILT METAL STUD WALL SHALL HAVE 15/32" STRUCTURAL PLYWOOD ON ONE SIDE W/ 8d NAILS @ 4" O.C. EDGE AND BOUNDARY NAILING AND 8d NAILS @ 12" O.C. FIELD NAILING.

STATE OF TEXAS
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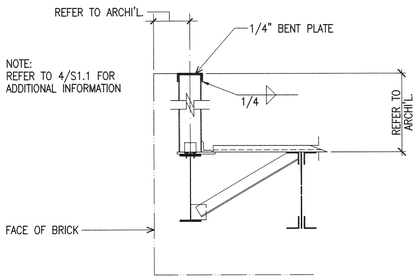
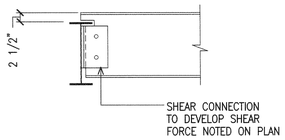
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
HIGH ROOF FRAMING PLAN

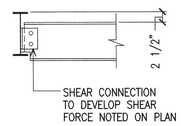
DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S2.3
DRAWING/PROJECT NO: 0530-06-000005		OF



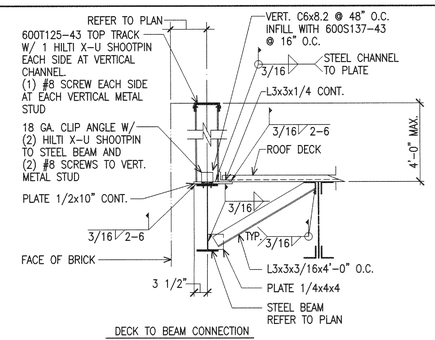
DECK TO BEAM CONNECTION
1 DETAIL



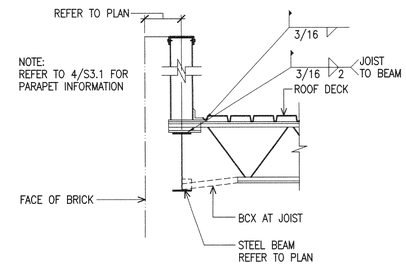
STEEL BEAM CONNECTION
2 DETAIL



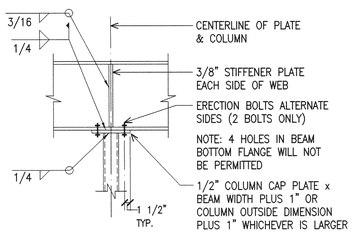
STEEL BEAM CONNECTION
3 DETAIL



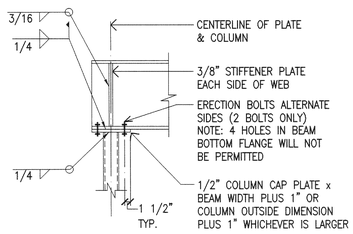
DECK TO BEAM CONNECTION
4 DETAIL



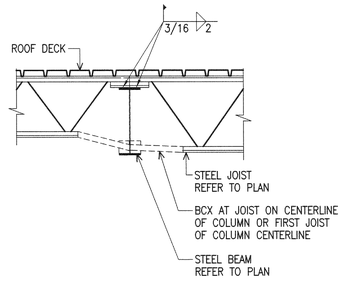
JOIST TO BEAM CONNECTION
5 DETAIL



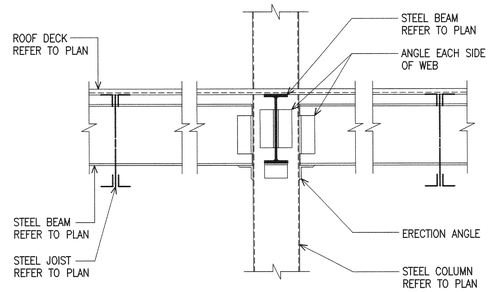
COLUMN TO BEAM CONNECTION
6 DETAIL



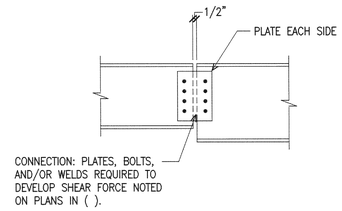
COLUMN TO BEAM CONNECTION
7 DETAIL



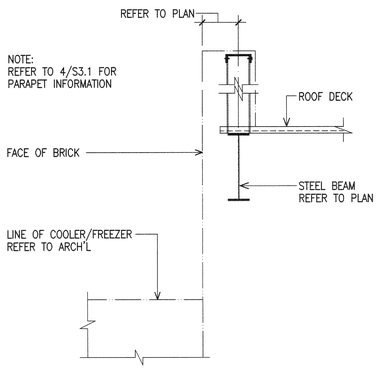
JOIST TO JOIST GIRDER CONNECTION
8 DETAIL



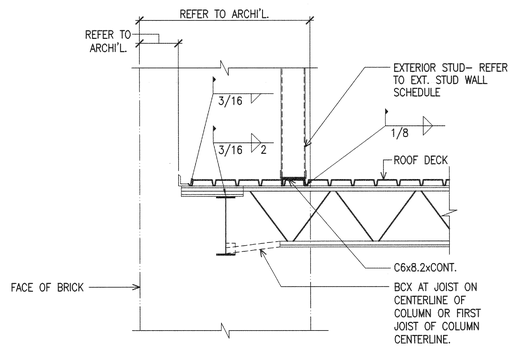
STEEL BEAM TO COLUMN CONNECTION
9 DETAIL



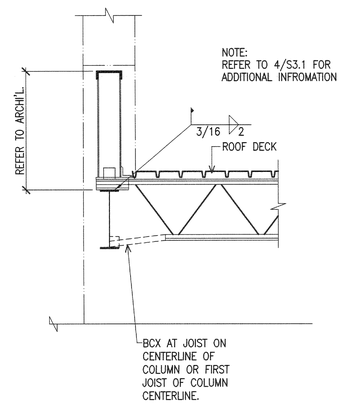
SHEAR CONNECTION
10 DETAIL



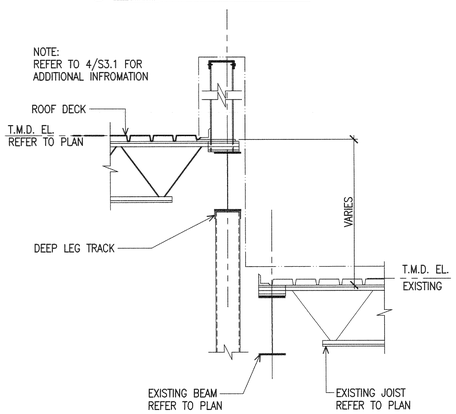
DECK TO BEAM CONNECTION
11 DETAIL



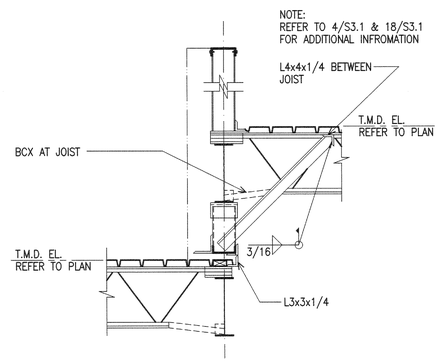
JOIST TO BEAM CONNECTION
12 DETAIL



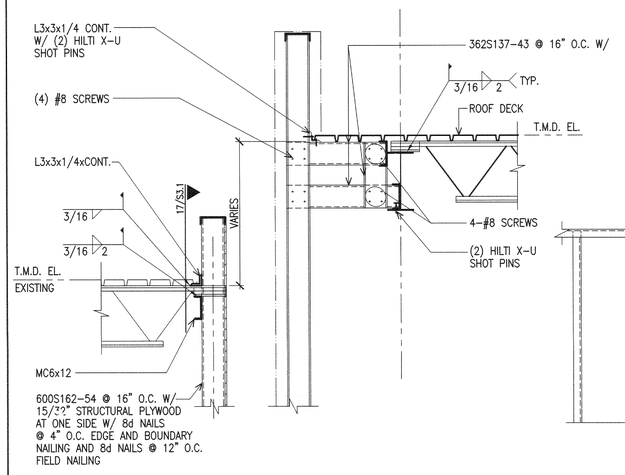
JOIST TO BEAM CONNECTION
13 DETAIL



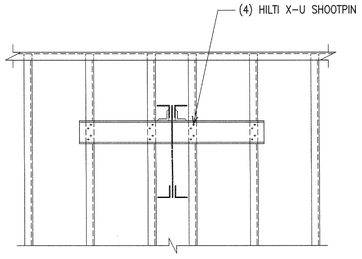
HIGH JOIST & LOW JOIST TO BEAM CONNECTION
14 DETAIL



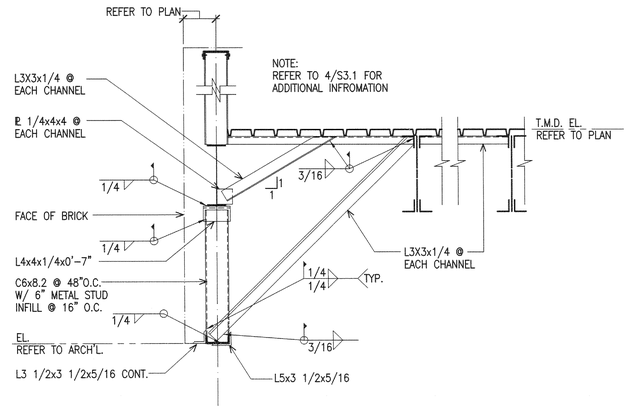
JOIST TO BEAM CONNECTION
15 DETAIL



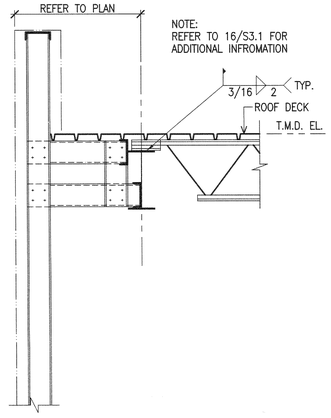
NEW ROOF AND OLD ROOF CONNECTIONS
16 DETAIL



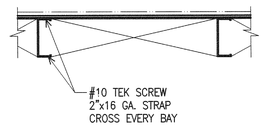
HIGH JOIST & LOW JOIST TO BEAM CONNECTION
17 DETAIL



BRICK SUPPORT
18 DETAIL



NEW STUD WALL AT JOIST TO BEAM CONNECTION
19 DETAIL



LATERAL BRACING AT EACH BAY
20 DETAIL

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8-28-12

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EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

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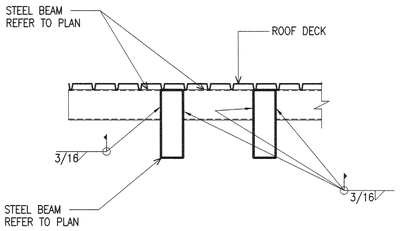
PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

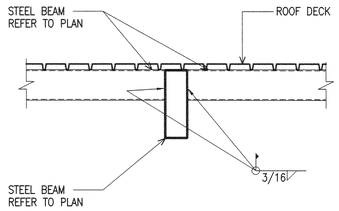
DRAWING TITLE:
FRAMING
DETAILS

DATE:	SCALE:	SHEET:
6/8/12	3/4"=1'-0"	S3.1

DRAWING/PROJECT NO: 0530-06-000005
OF



BEAM TO BEAM CONNECTION
1 DETAIL



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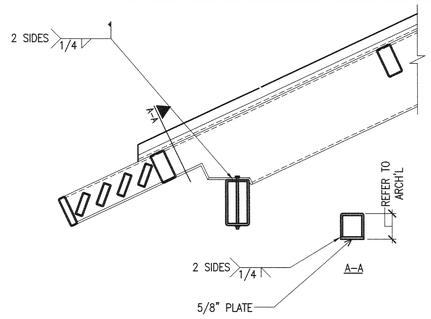
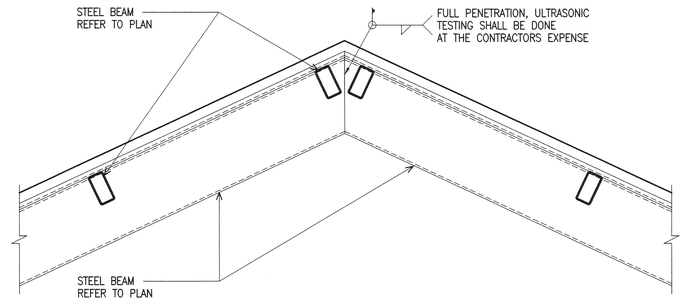
2 DETAIL



BEAM TO BEAM CONNECTION
3 DETAIL



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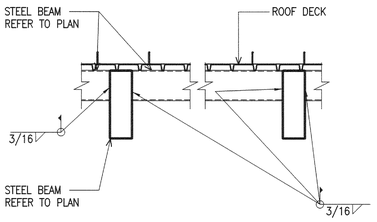
4 DETAIL



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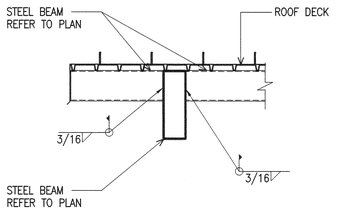
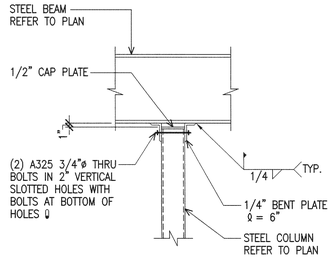
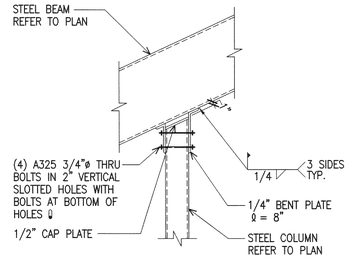
5 DETAIL



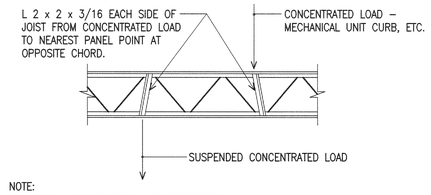
BEAM TO BEAM CONNECTION
6 DETAIL



SLIP CONNECTION AT BLAST COLUMN
7 DETAIL

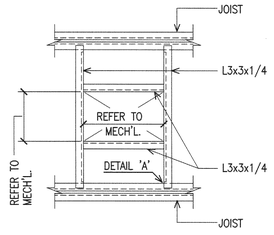


SLIP CONNECTION AT BLAST COLUMN AT MAIN ENTRANCE
8 DETAIL



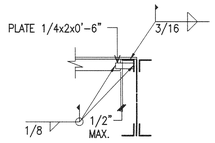
NOTE:
THIS DETAIL APPLIES TO ALL CONCENTRATED LOADS WHICH EXCEED 50# AND ARE LOCATED MORE THAN 3" OFF PANEL POINT.

CONCENTRATED LOADS
9 DETAIL



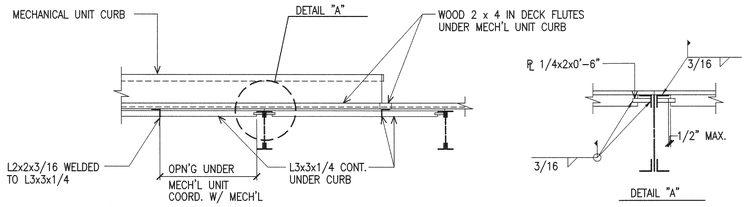
PLAN

NOTE:
WHERE MECHANICAL FRAME BEARS ON ROOF DECK, PLACE HSS 1 1/2 x 2 1/2 x 14 GA. x 0'–6" BLOCKING IN DECK FLUTES FOR DIRECT BEARING ON STRUCTURE.

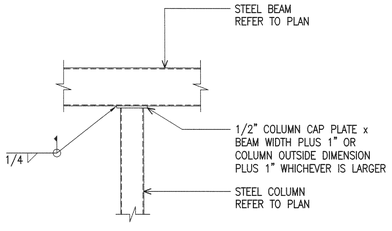


DETAIL "A"

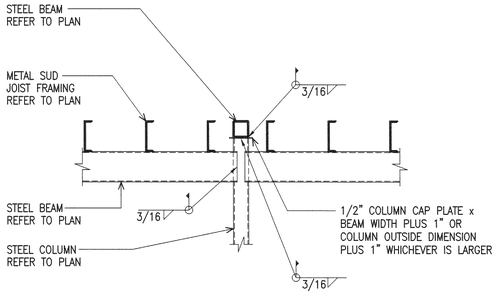
FRAMING FOR ROOF OPENING
10 DETAIL



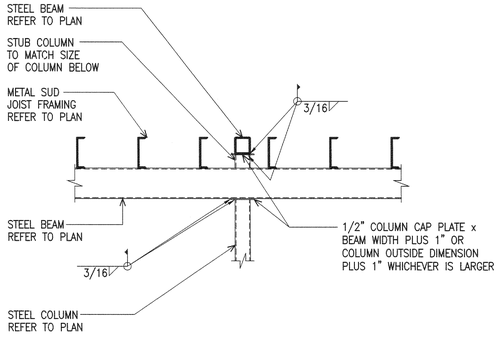
MECHANICAL UNIT CURB SUPPORT
11 DETAIL



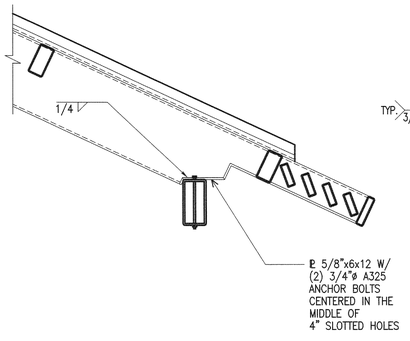
COLUMN TO BEAM CONNECTION
12 DETAIL



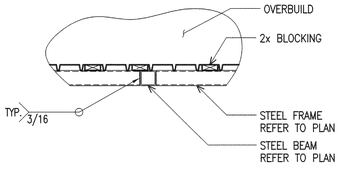
COLUMN TO BEAM CONNECTION
13 DETAIL



COLUMN TO BEAM CONNECTION
14 DETAIL



BEAM TO BEAM CONNECTION
15 DETAIL



STEEL FRAME TO BEAM CONNECTION
16 DETAIL

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FRAMING DETAILS

DATE:	SCALE:	SHEET:
6/8/12	3/4"=1'-0"	S3.2

DRAWING/PROJECT NO: 0530-06-000005 OF

STATE OF TEXAS
SHAO MIN SHI
102760
LICENSED
PROFESSIONAL ENGINEER
08-03-12

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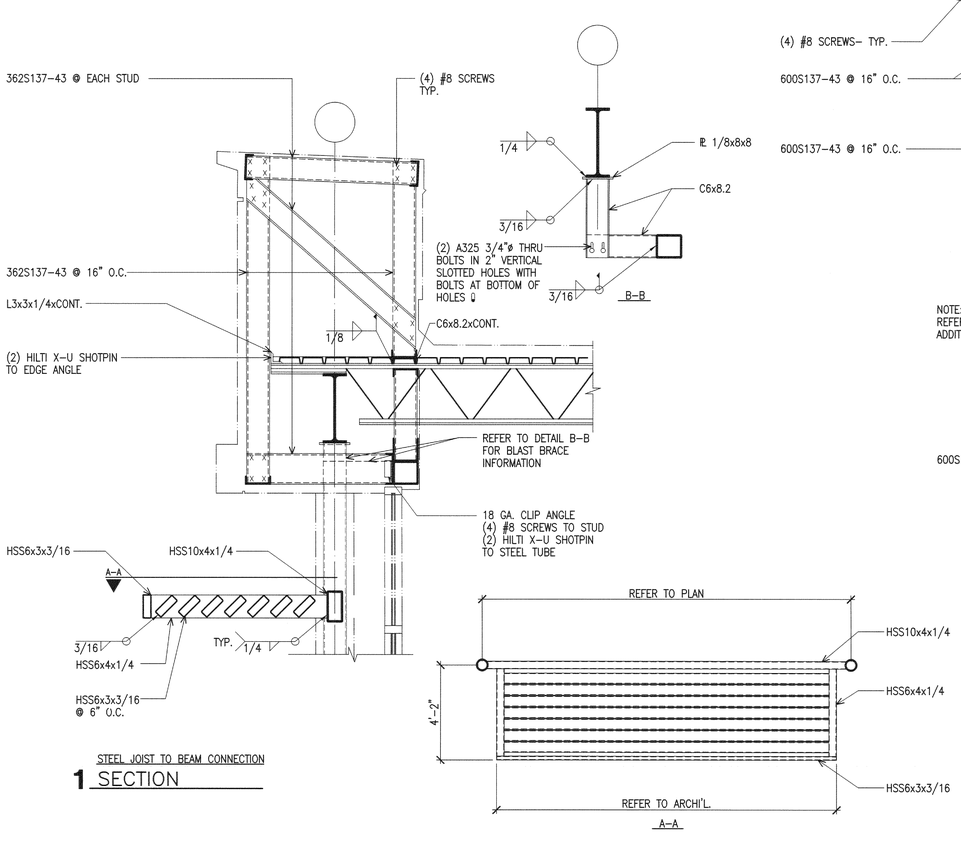
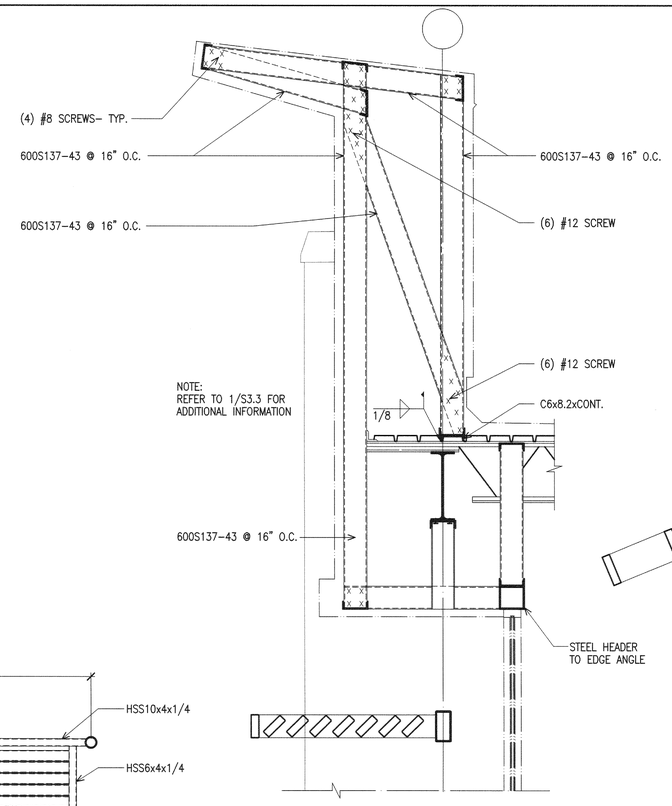
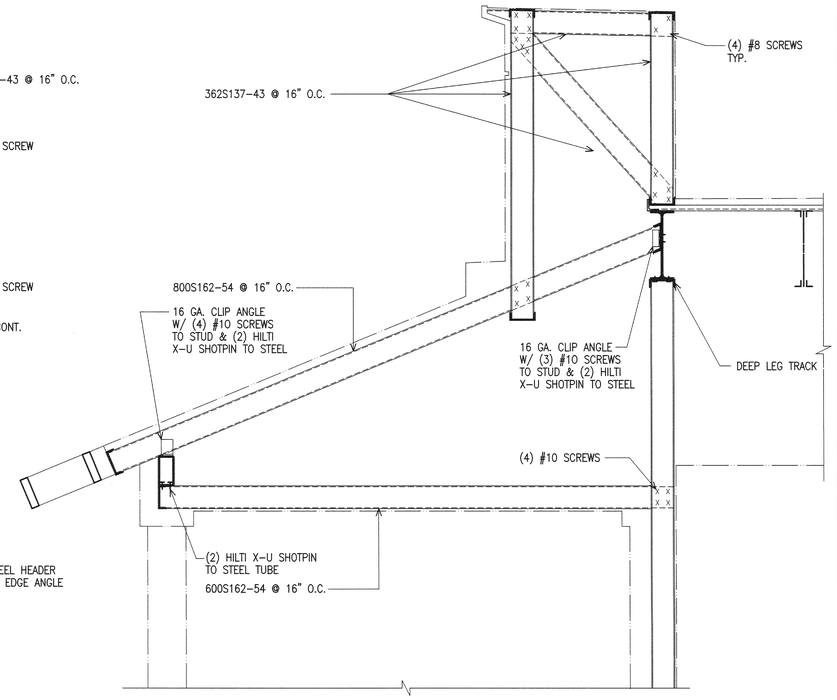
1015 W. Broadway Fort Worth Texas 76104
817.332.1944 fwneal-eng.com
North Carolina Certificate of Authorization No. 10615142



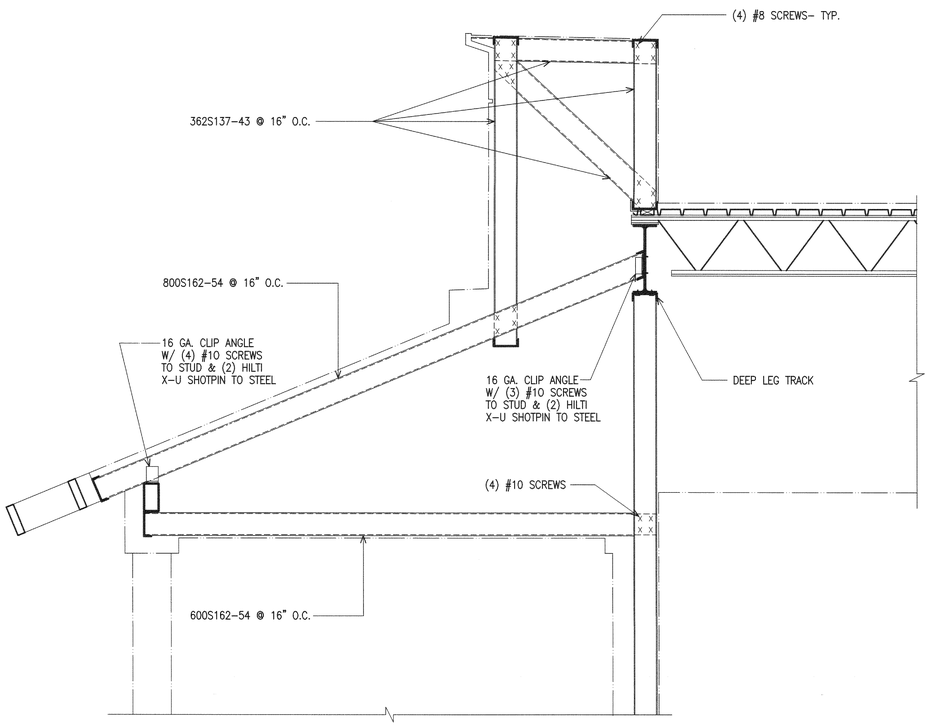
STEEL JOIST TO BEAM CONNECTION
1 SECTION



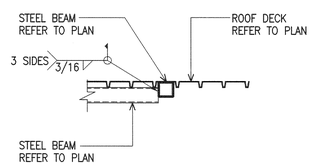
STEEL JOIST TO BEAM CONNECTION
2 SECTION



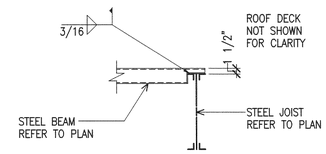
FRONT CANOPY TO SUPER STRUCTURE
3 SECTION



FRONT CANOPY TO SUPER STRUCTURE
4 SECTION



BEAM TO BEAM CONNECTION
5 SECTION



BEAM TO JOIST CONNECTION
6 SECTION

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
FRAMING DETAILS

DATE:	SCALE:	SHEET:
6/8/12	3/4"=1'-0"	S3.3
DRAWING/PROJECT NO: 0530-06-000005		OF_____

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06-08-12

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1015 W. Broadway Fort Worth Texas 76104
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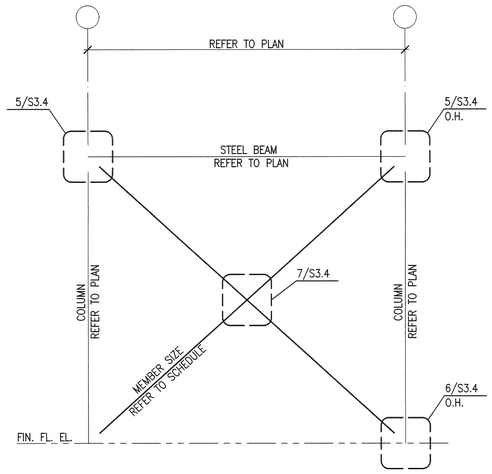
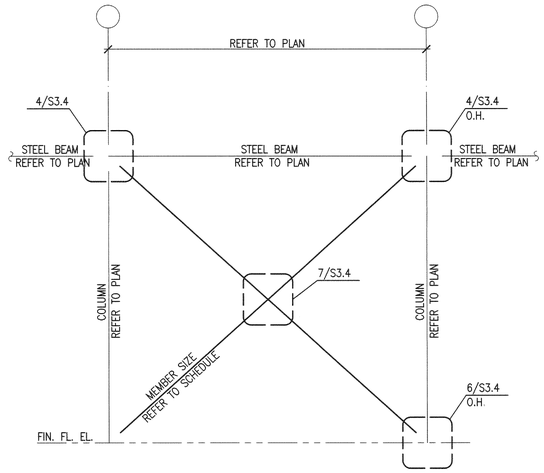
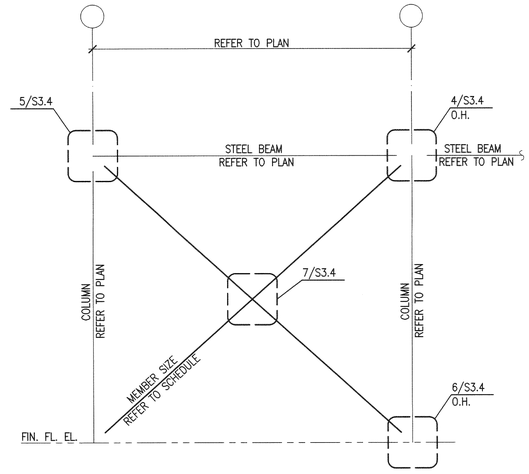
North Carolina Certificate of Authorization No. 1087140



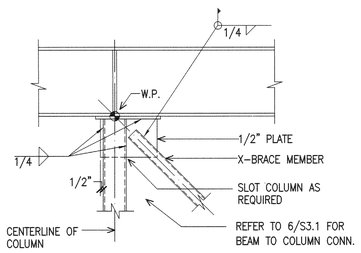
1 X-BRACE (X.B.-1) DETAIL



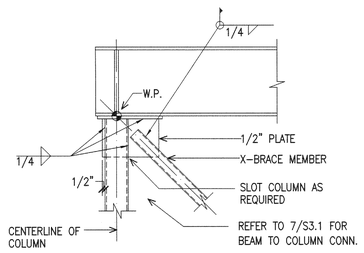
2 X-BRACE (X.B.-2) DETAIL



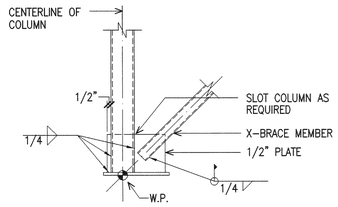
3 X-BRACE (X.B.-3) DETAIL



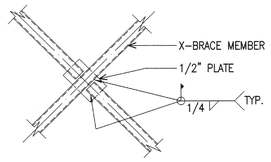
4 X-BRACE MEMBER CONNECTION DETAIL



5 X-BRACE MEMBER CONNECTION DETAIL



6 X-BRACE MEMBER CONN. AT BOTTOM DETAIL



7 X-BRACE MEMBER CONN. AT BOTTOM DETAIL

X-BRACING SCHEDULE

MEMBER SIZE	VERTICAL GRID	HORIZONTAL GRID	COMMENTS
HSS6x6x3/8	GRID B.7	GRID 4.6 & 6.4	2/S3.4
HSS6x6x3/8	GRID E & E.5	GRID 8	1/S3.4
HSS5x5x1/4	GRID A	GRID 6.8 & 7.6	1/S3.4
HSS5x5x1/4	GRID B.7	GRID 7.3 & 8	3/S3.4
HSS5x5x1/4	GRID E.5	GRID 7 & 8	1/S3.4
HSS5x5x1/4	GRID A & A.3	GRID 7.6	1/S3.4
HSS5x5x1/4	GRID C.4 & D	GRID 8	3/S3.4
HSS5x5x1/4	GRID A.3 & A.7	GRID 1	1/S3.4
HSS5x5x1/4	GRID B.3 & C	GRID 1	1/S3.4
HSS5x5x1/4	GRID A	GRID 1 & 2.1	1/S3.4
HSS5x5x1/4	GRID E.7	GRID 4 & 5	1/S3.4
HSS5x5x1/4	GRID E.9	GRID 1.9 & 2.5	3/S3.4
HSS5x5x1/4	GRID E.5 & E.9	GRID 1.9	1/S3.4

TEMPORARY X-BRACING SCHEDULE

MEMBER SIZE	VERTICAL GRID	HORIZONTAL GRID	COMMENTS
HSS5x5x1/4	GRID D	GRID 6.3 & 7.2	3/S3.4
HSS5x5x1/4	GRID D	GRID 1.9 & 2.7	1/S3.4

LOOSE STEEL ANGLE LINTEL FOR VENEER MASONRY

CLEAR SPAN	EXTERIOR ANGLES FOR 4" MASONRY
4'-0" OR LESS	3 1/2 x 3 1/2 x 5/16
5'-0"	3 1/2 x 3 1/2 x 5/16
6'-0"	4 x 3 1/2 x 5/16
7'-0"	4 x 3 1/2 x 5/16
8'-0"	5 x 3 1/2 x5/16
9'-0"	5 x 3 1/2 x 3/8
10'-0"	6 x 3 1/2 x 3/8

NOTES

1. PROVIDE 8" MINIMUM BEARING FOR ALL STEEL ANGLE LINTELS. PROVIDE CONTINUOUS LINTEL ANGLES BETWEEN ADJACENT EXTERIOR OPENINGS SEPARATED BY 2'-0" OR LESS.
2. THIS TABLE APPLIES ONLY TO NON-LOAD BEARING WALLS.
3. MEMBER SIZES INDICATED WITHIN THIS TABLE SHALL ONLY SUPPLEMENT INFORMATION FOUND ELSEWHERE IN THIS SET OF PLANS AND SHALL NOT SUPERSEDE MEMBER SIZES EXPLICITLY NOTED ON SECTIONS, DETAILS OR STRUCTURAL DRAWINGS.
4. ALL LINTEL ANGLES SHALL BE INSTALLED WITH LONG LEG VERTICAL.

EXTERIOR STUD WALL SCHEDULE

STUD SIZE	SPACING
600S250-54	16" O.C.

STATE OF TEXAS
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102760
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PROFESSIONAL ENGINEER
08-08-12

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North Carolina Certificate of Authorization No. 10617A

EXCHANGE

DATE	REVISION NO. & DESCRIPTION

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DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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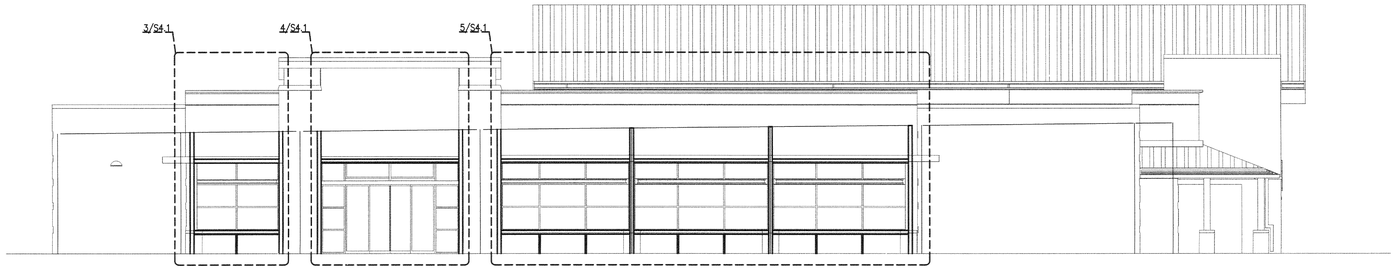
PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

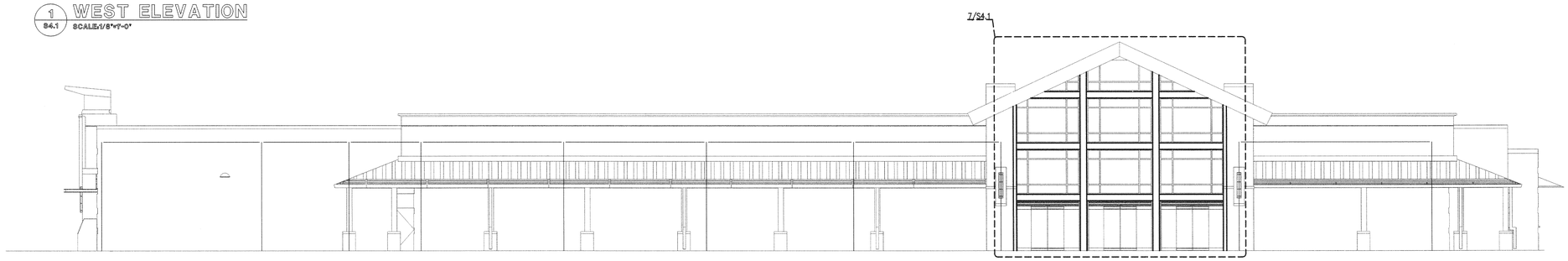
DRAWING TITLE:
X-BRACE ELEVATIONS AND DETAILS

DATE:	SCALE:	SHEET:
6/8/12	3/4"=1'-0"	S3.4

DRAWING/PROJECT NO: 0530-06-000005
OF



1 S4.1 WEST ELEVATION
SCALE:1/8"=1'-0"



2 S4.1 SOUTH ELEVATION
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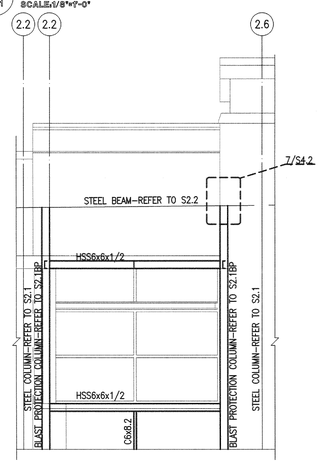
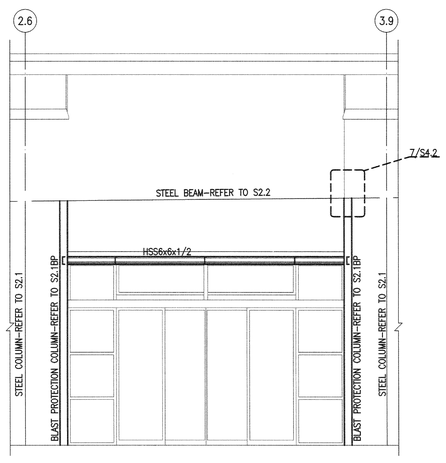
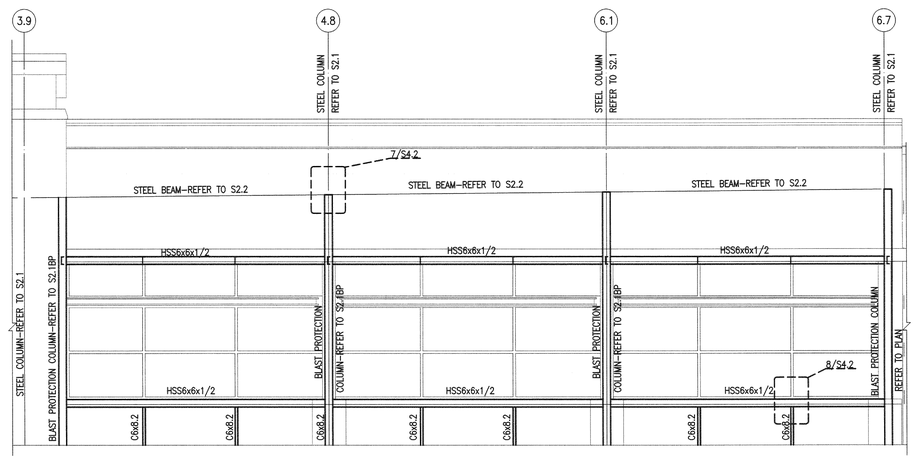


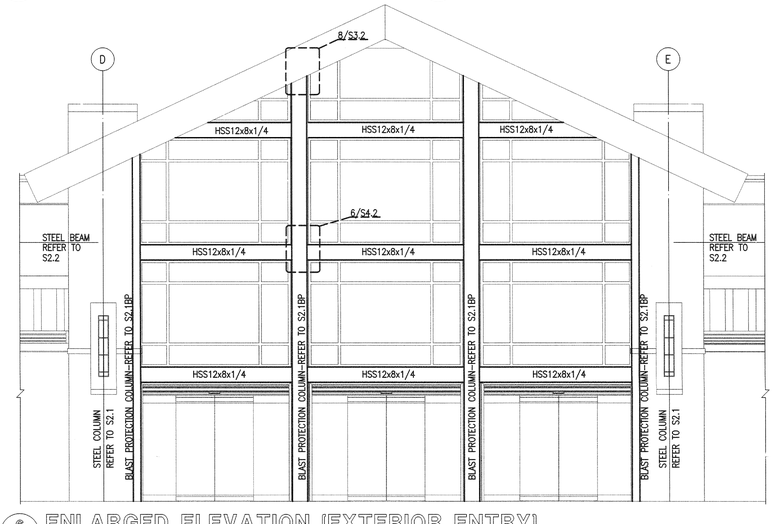
3 S4.1 ENLARGED ELEVATION
SCALE:1/4"=1'-0"



4 S4.1 ENLARGED ELEVATION
SCALE:1/4"=1'-0"



5 S4.1 ENLARGED ELEVATION
SCALE:1/4"=1'-0"



6 S4.1 ENLARGED ELEVATION (EXTERIOR ENTRY)
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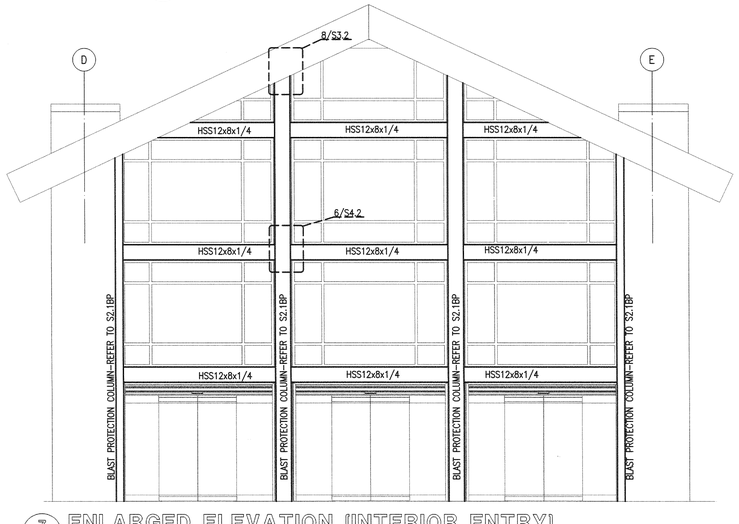

7 S4.1 ENLARGED ELEVATION (INTERIOR ENTRY)
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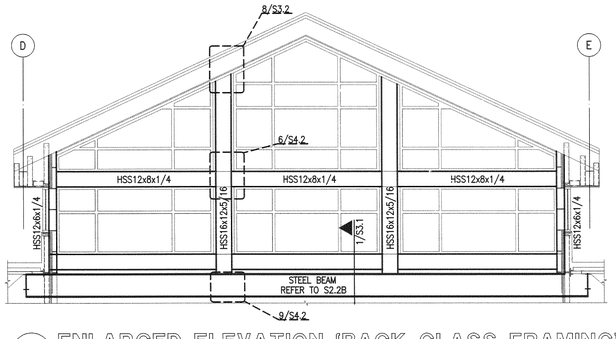

8 S4.1 ENLARGED ELEVATION (BACK GLASS FRAMING)
SCALE:1/4"=1'-0"

STATE OF TEXAS
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102760
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06-8-12

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North Carolina Certificate of Authorization No. 10016

EXCHANGE™

DATE	REVISION NO. & DESCRIPTION

SOLICITATION DOCUMENTS

DRAWN BY: JL
CHECKED BY: MZ/JL
DATE: –

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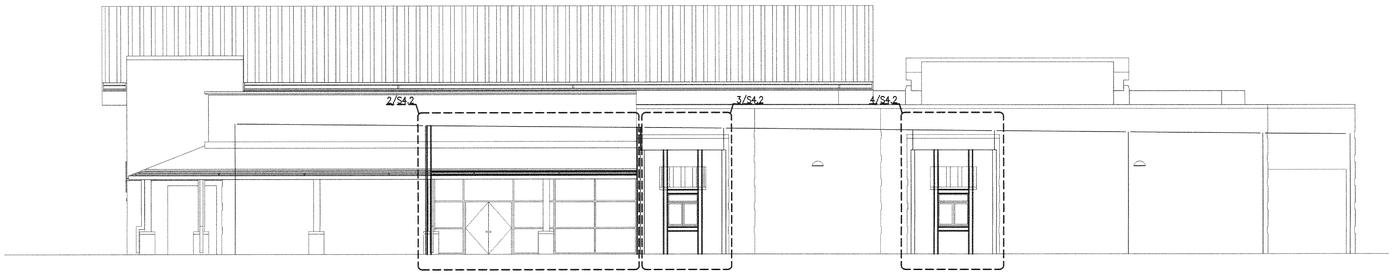
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

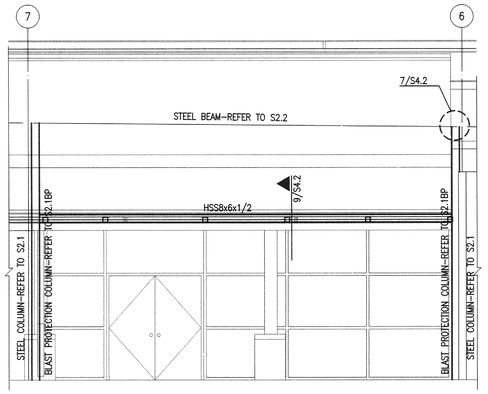
DRAWING TITLE:
BUILDING ELEVATIONS

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S4.1

DRAWING/PROJECT NO: 0530-06-000005
OF



1 S4.2 EAST ELEVATION
SCALE:1/8"=1'-0"



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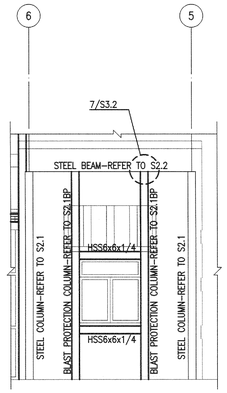

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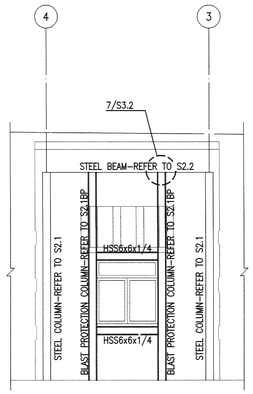
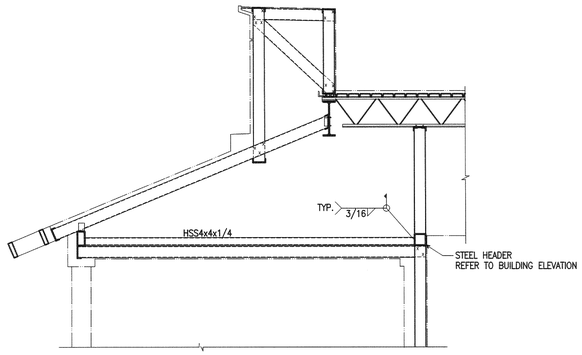
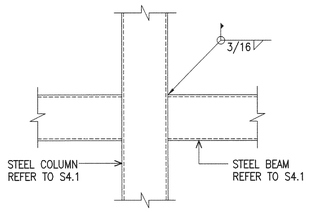


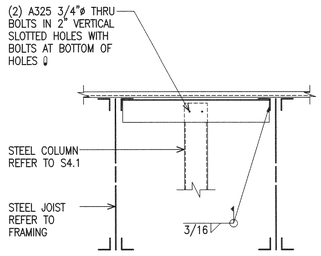
4 S4.2 ENLARGED ELEVATION
SCALE:1/4"=1'-0"



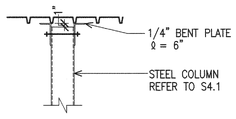
5 S4.2 SECTION
SCALE:1/4"=1'-0"



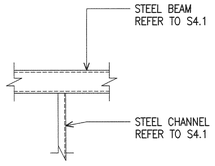
6 S4.2 DETAIL
SCALE:3/4"=1'-0"



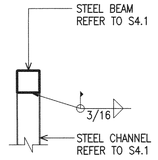
7 S4.2 DETAIL
SCALE:3/4"=1'-0"



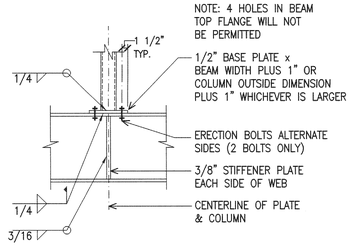
DETAIL 'A'



8 S4.2 DETAIL
SCALE:3/4"=1'-0"



DETAIL 'B'



9 S4.2 DETAIL
SCALE:3/4"=1'-0"

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SHAO MIN SHI
102760
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PROFESSIONAL ENGINEER
06-08-12

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1015 W. Broadway · Fort Worth · Texas 76104
817.332.1944 · fenaeng.com
North Carolina Certificate of Authorization No. 10617-03

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CHECKED BY: MZ/JL
DATE: –

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(281) 858-4304 FAX
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PROJECT:
82ND AIRBORNE
MINI-MALL
EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
BLAST PROTECTION
ELEVATIONS

DATE:	SCALE:	SHEET:
6/8/12	1/8"=1'-0"	S4.2

DRAWING/PROJECT NO: 0530-06-000005

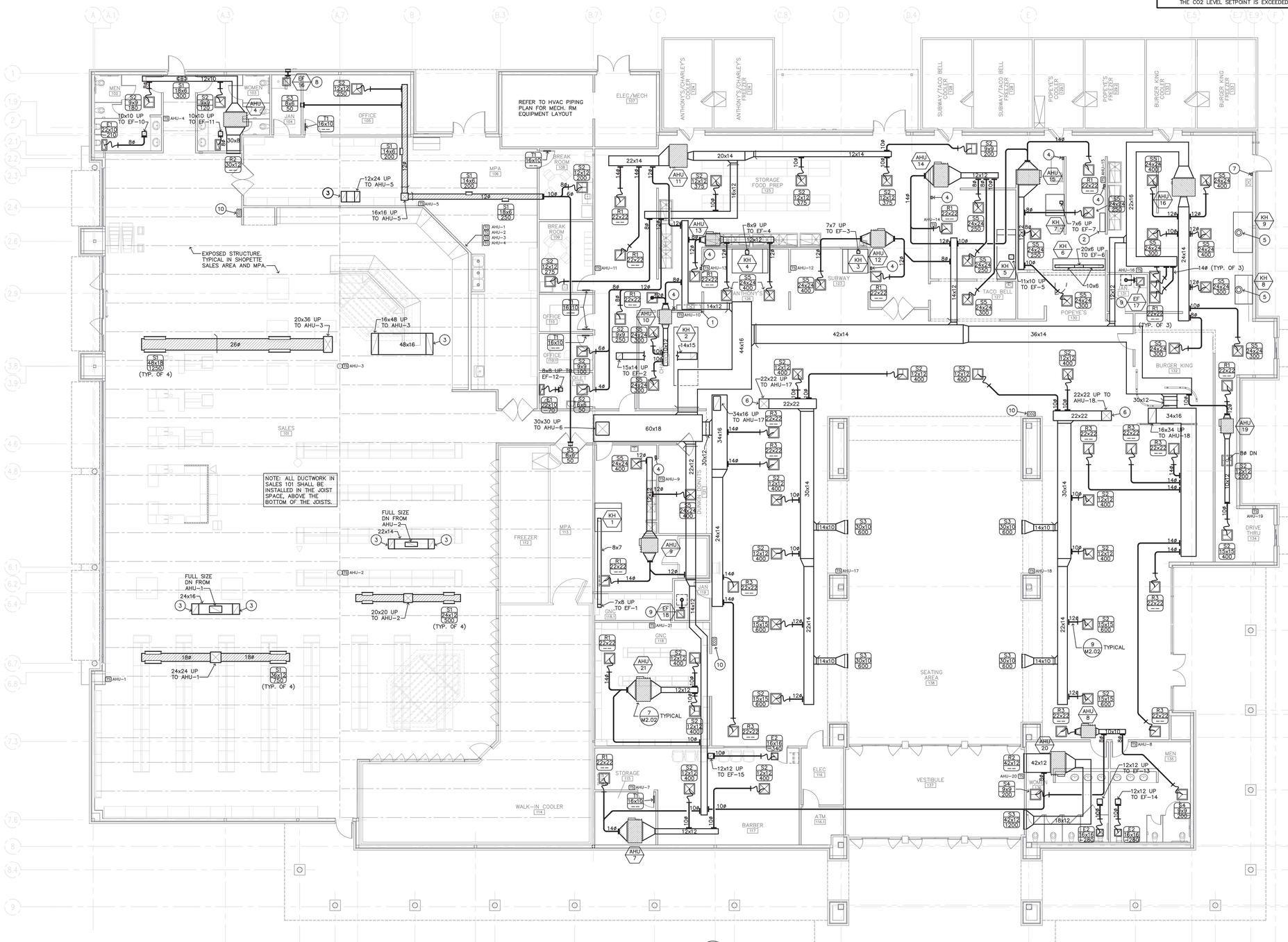
HVAC LEGEND

SUPPLY AIR DEVICE (4-WAY)	SUPPLY DUCT UP	ROUND DUCT TAKEOFF
SUPPLY AIR DEVICE (3-WAY)	SUPPLY DUCT DOWN	FLEXIBLE DUCT
SUPPLY AIR DEVICE (2-WAY)	RETURN DUCT UP	AIR FLOW DIRECTION INDICATOR
RETURN/EXHAUST AIR DEVICE	RETURN DUCT DOWN	THERMOSTAT
SIDEWALL AIR DEVICE	18x12 — RECTANGULAR TRUNK DUCT WIDTHxHEIGHT	TEMPERATURE SENSOR
X / S/24 / CFM — AIR DEVICE TAG W/MARK AND CFM	RECTANGULAR TO ROUND TRANSITION	TEMPERATURE CONTROLLER
TYPE / D# — EQUIPMENT TAG W/EQUIPMENT TYPE AND IDENTIFICATION NUMBER	18ø — ROUND DUCT (SPIRAL)	HUMIDITY SENSOR
	ROUND DUCT (SNAP-LOCK)	FLOW SENSOR
		FLOW TRANSMITTER
		CARBON DIOXIDE SENSOR
		CONDENSATE PIPING
		MANUAL BALANCING DAMPER

SOME SYMBOLS MAY NOT OCCUR ON THESE PLANS

KEYED NOTES

1. KH-2 UTILITY CABINET: BOTTOM OF CABINET TO BE 6'-6" A.F.F. MINIMUM.
2. KH-6 UTILITY CABINET: BOTTOM OF CABINET TO BE 6'-6" A.F.F. MINIMUM.
3. RETURN AIR BOOT: TURN DUCT UP AT END. PROVIDE 1x1 WIRE MESH OVER THE OPENING. DUCT SHALL BE LINED FOR SOUND ATTENUATION. REFER TO DUCT CONSTRUCTION SCHEDULE.
4. KITCHEN HOOD FIRE SUPPRESSION SYSTEM PULL STATION: INSTALL 54" A.F.F. LOCATION IS APPROXIMATE. FIELD COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
5. PRE-FABRICATED GREASE EXHAUST: REFER TO BURGER KING SPECIFIC DETAILS FOR MORE INFORMATION.
6. FAN DISCHARGE: PROVIDE A RADIUSED ELBOW W/VANES.
7. BURGER KING KITCHEN HOOD FIRE SUPPRESSION SYSTEM PULL STATION: INSTALL 54" A.F.F. LOCATION IS APPROXIMATE. FIELD COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE. PULL STATION ACTIVATES FIRE SUPPRESSION FOR BOTH HOODS SIMULTANEOUSLY.
8. EXHAUST FAN: HANG FAN FROM STRUCTURE ABOVE WITH 5/16" THREADED ROD. EXTEND A 6ø DUCT FROM FAN OUTLET THROUGH THE WALL. TERMINATE WITH AN ALUMINUM WALL CAP. WALL CAP SHALL BE COOK MODEL WCR6.
9. EXHAUST FAN: HANG FAN FROM STRUCTURE ABOVE WITH 5/16" THREADED ROD. EXTEND A 6ø DUCT FROM FAN OUTLET UP THROUGH THE ROOF. TERMINATE WITH AN ALUMINUM ROOF CAP ON AN INSULATED CURB. ROOF CAP SHALL BE COOK MODEL PR8 OR EQUAL.
10. CO2 SENSOR: PROVIDE A WALL-MOUNTED CO2 SENSOR WITH DIGITAL DISPLAY OF CO2 LEVEL. SENSOR SHALL TRIGGER AN AUDIBLE ALARM WHEN THE CO2 LEVEL SETPOINT IS EXCEEDED BY 10% OR MORE. PROVIDE ALARM.



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

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CHRISTOPHER RAY DUNCAN
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PROFESSIONAL ENGINEER
6/7/12

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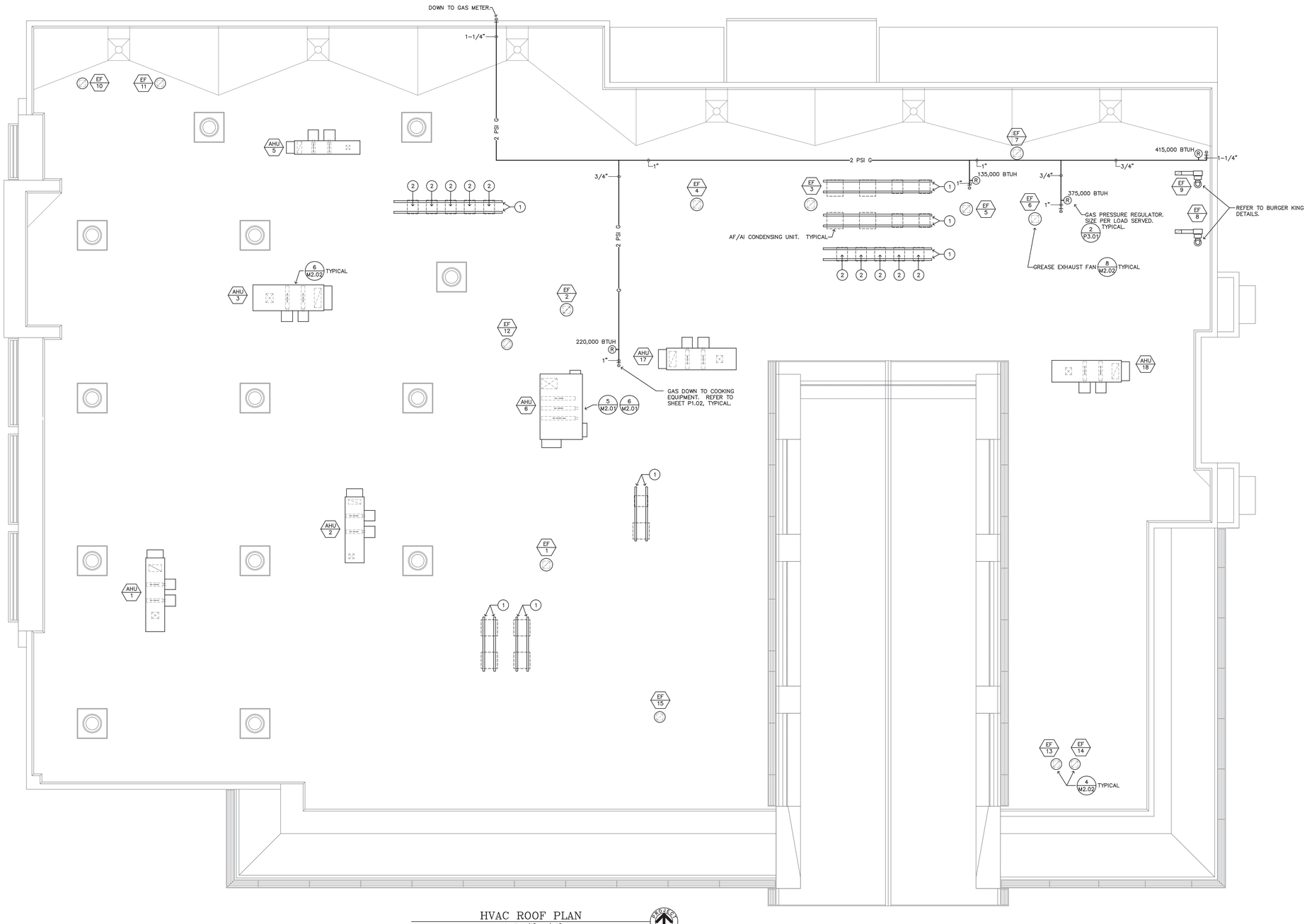
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
HVAC PLAN

DATE: 6/8/12
SCALE:
SHEET: M1.01
DRAWING/PROJECT NO: 0530-06-000005

KEYED NOTES

1. CONDENSING UNIT EQUIPMENT CURB: CURBS SHALL BE PATE MODEL ES-2MB OR EQUAL WITH SUPPORT CHANNELS. COORDINATE WITH STRUCTURE BELOW. PROVIDE A PIPE CURB ASSEMBLY AT EACH CONDENSING UNIT FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT ROOF PENETRATION. PIPE CURBS SHALL BE PATE MODEL PCC OR EQUAL. CURB LENGTH AS SHOWN ON PLAN. CONDENSING UNITS ARE AF/AI EXCEPT WHERE NOTED OTHERWISE.
2. AF/CI ICE-MAKER CONDENSING UNIT: PROVIDE REFRIGERANT PIPING, REFERIGERANT, ETC FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO FOOD SERVICE EQUIPMENT PLANS FOR ICE-MAKER INFORMATION.



HVAC ROOF PLAN
SCALE: 1/8" = 1'-0"

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER
PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
HVAC ROOF PLAN

DATE: 6/8/12
SCALE:
SHEET: M1.02
DRAWING/PROJECT NO: 0530-06-000005

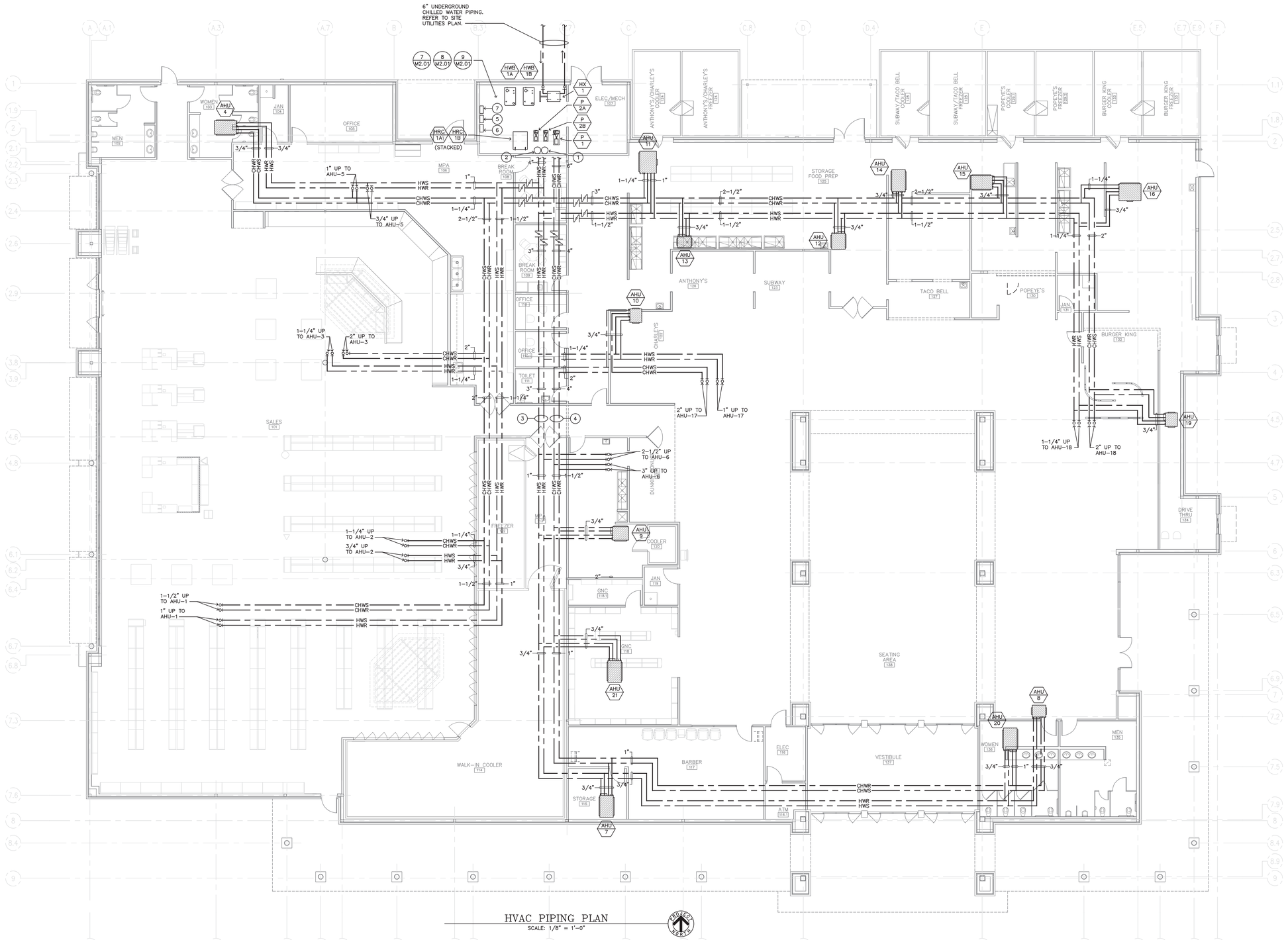
HVAC PIPING LEGEND

CHWS	CHILLED WATER SUPPLY		TEE
CHWR	CHILLED WATER RETURN		TEE UP
HWS	HOT WATER SUPPLY		TEE DOWN
HWR	HOT WATER RETURN		BALL VALVE
	PIPE BELOW GRADE		CHECK VALVE
	PIPING CONTINUATION		CIRCUIT BALANCING VALVE
	CAP		BUTTERFLY VALVE
	EQUIPMENT CONNECTION		
	ELBOW UP		
	ELBOW DOWN		

NOT ALL SYMBOLS OCCUR ON THESE PLANS

KEYED NOTES

1. CHILLED WATER SYSTEM EXPANSION TANK: REFER TO CHILLED WATER SYSTEM PIPING DIAGRAM.
2. HOT WATER SYSTEM EXPANSION TANK: REFER TO HOT WATER SYSTEM PIPING DIAGRAM.
3. HVAC HOT WATER SYSTEM DIFFERENTIAL PRESSURE TRANSMITTER AND ASSOCIATED BYPASS VALVE TO BE INSTALLED IN THIS LOCATION. REFER TO PIPING DIAGRAM AND SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION.
4. HVAC CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE TRANSMITTER AND ASSOCIATED BYPASS VALVE TO BE INSTALLED IN THIS LOCATION. REFER TO PIPING DIAGRAM AND SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION.
5. FACILITY MANAGEMENT SYSTEM CONTROL PANEL. REFER TO SPECIFICATIONS.
6. ENERGY METER. REFER TO ENERGY METER SPECIFICATIONS ON DRAWING M3.01.
7. BOILER CONTROL PANEL. REFER TO BOILER SCHEDULE AND SPECIFICATIONS.



HVAC PIPING PLAN
SCALE: 1/8" = 1'-0"

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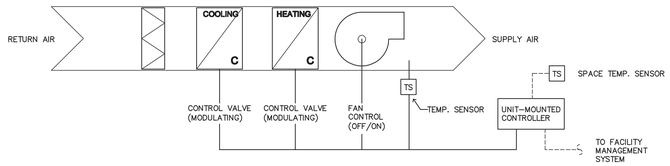
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
HVAC PIPING PLAN

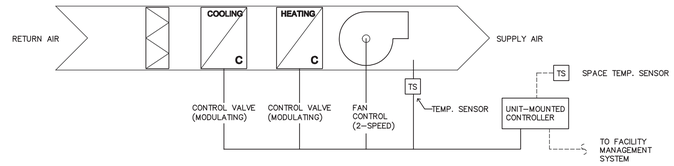
DATE: 6/8/12
SCALE:
SHEET: M1.03
DRAWING/PROJECT NO: 0530-06-000005



AIR HANDLING UNIT CONTROL DIAGRAM (CONSTANT VOLUME)

DIAGRAM APPLIES TO: AHU-4,8,10,12,19

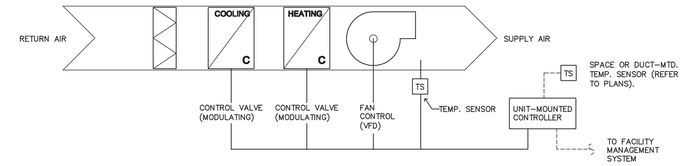
1 M2.01



AIR HANDLING UNIT CONTROL DIAGRAM (2-STAGE)

DIAGRAM APPLIES TO: AHU-7,9,13,14,15,20

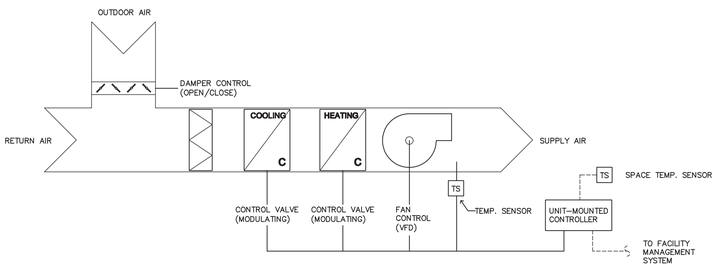
2 M2.01



AIR HANDLING UNIT CONTROL DIAGRAM (SINGLE ZONE VAV)

DIAGRAM APPLIES TO: AHU-11,16,17,18

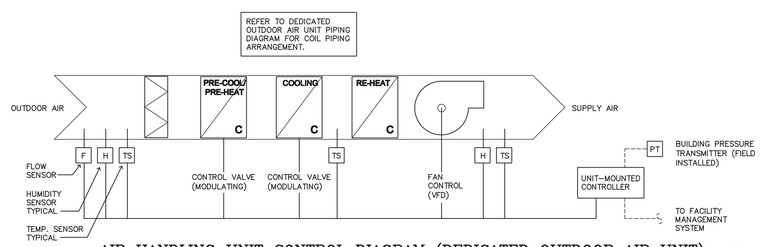
3 M2.01



AIR HANDLING UNIT CONTROL DIAGRAM (SINGLE ZONE VAV)

DIAGRAM APPLIES TO: AHU-1,2,3,5

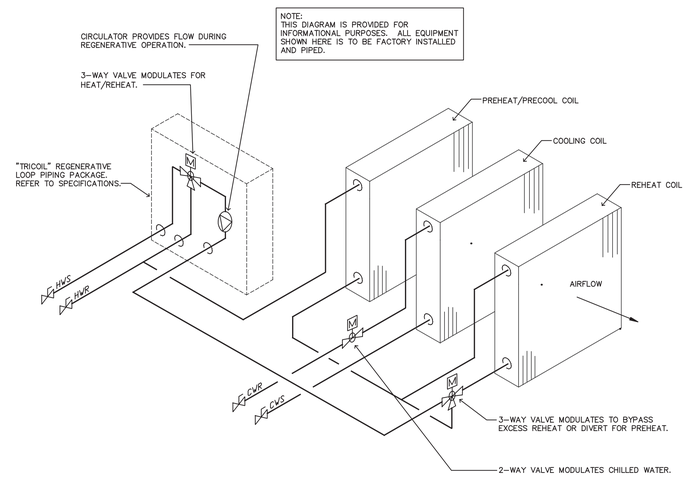
4 M2.01



AIR HANDLING UNIT CONTROL DIAGRAM (DEDICATED OUTDOOR AIR UNIT)

DIAGRAM APPLIES TO UNITS: AHU-6

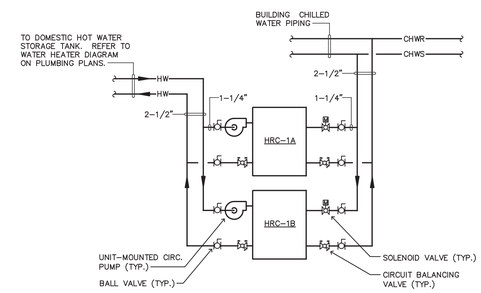
5 M2.01



DEDICATED OUTDOOR AIR UNIT PIPING DIAGRAM

NOT TO SCALE

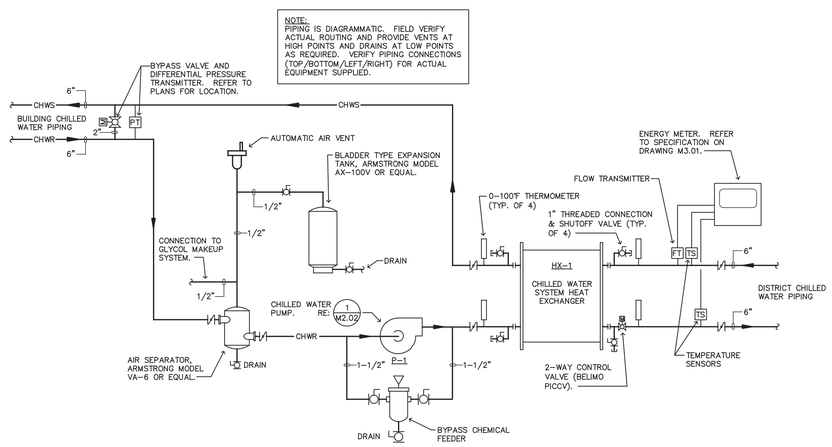
6 M2.01



HEAT RECOVERY CHILLER PIPING DIAGRAM

NOT TO SCALE

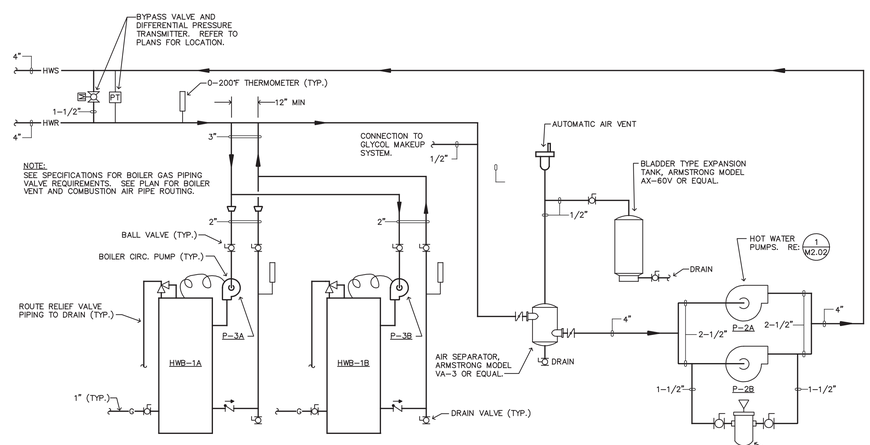
7 M2.01



CHILLED WATER SYSTEM PIPING DIAGRAM

NOT TO SCALE

8 M2.01



HOT WATER SYSTEM PIPING DIAGRAM

NOT TO SCALE

9 M2.01

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

HVAC DETAILS

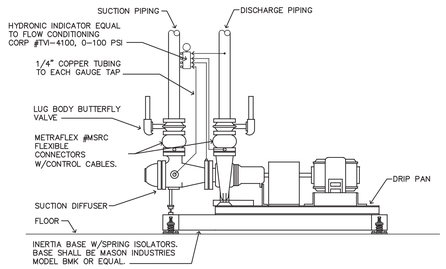
DATE: 6/8/12

SCALE:

SHEET: M2.01

DRAWING/PROJECT NO: 0530-06-000005

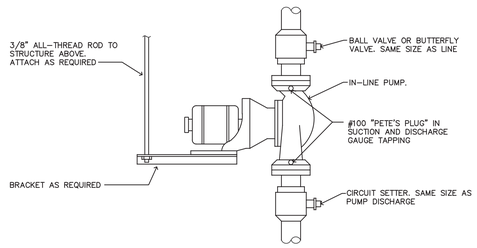
OF



BASE MOUNTED PUMP DETAIL

NOT TO SCALE

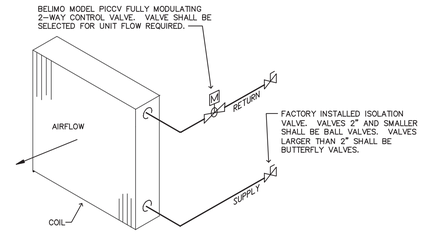
1 M2.02



IN-LINE PUMP DETAIL

NOT TO SCALE

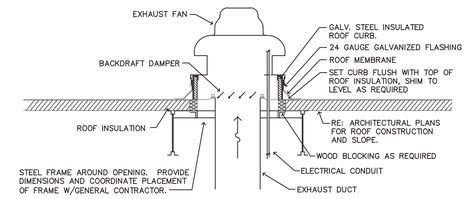
2 M2.02



2-WAY CONTROL VALVE DETAIL

NOT TO SCALE

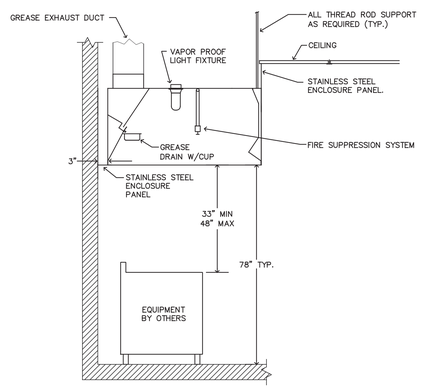
3 M2.02



EXHAUST FAN INSTALLATION DETAIL

NOT TO SCALE

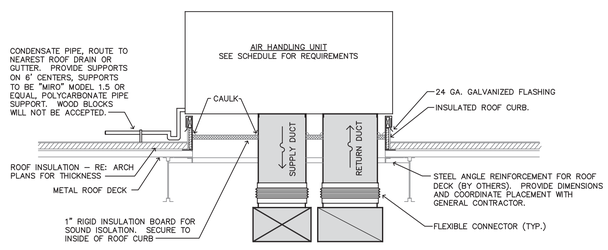
4 M2.02



TYPE 1 HOOD DETAIL

NOT TO SCALE

5 M2.02

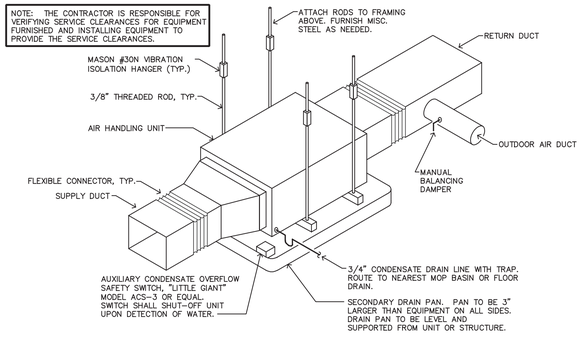


ROOFTOP AIR HANDLING UNIT INSTALLATION DETAIL

NOT TO SCALE

6 M2.02

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SERVICE CLEARANCES FOR EQUIPMENT FURNISHED AND INSTALLING EQUIPMENT TO PROVIDE THE SERVICE CLEARANCES.

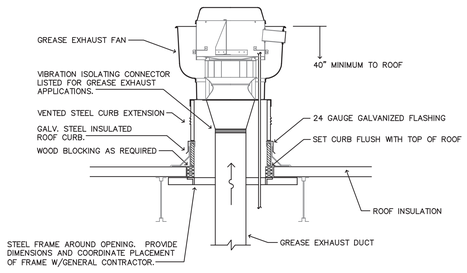


NOTE: DUCT ROUTING IS DIAGRAMMATIC

AIR HANDLING UNIT INSTALLATION DETAIL

NOT TO SCALE

7 M2.02

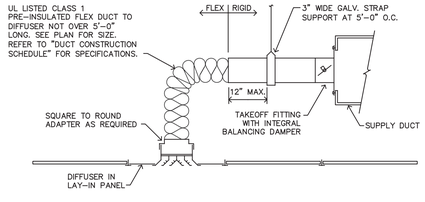


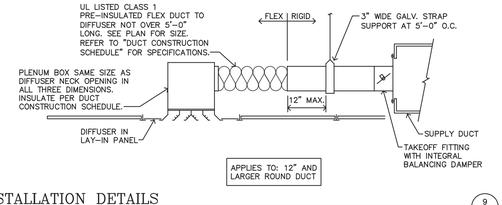
FAN INSTALLATION SHALL MEET NFPA 96 REQUIREMENTS

GREASE EXHAUST FAN INSTALLATION DETAIL

NOT TO SCALE

8 M2.02





APPLIES TO: 12" AND LARGER ROUND DUCT

DIFFUSER INSTALLATION DETAILS

NOT TO SCALE

9 M2.02

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

HVAC DETAILS

DATE: 6/8/12

SCALE:

SHEET: M2.02

DRAWING/PROJECT NO: 0530-06-000005

OF

NORTH AMERICAN BROILER/OVEN HOOD – DUKE BROILER

FOR BURGER KING CORPORATION

BROILER/OVEN HOOD MODEL: XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7)

Manufactured by:

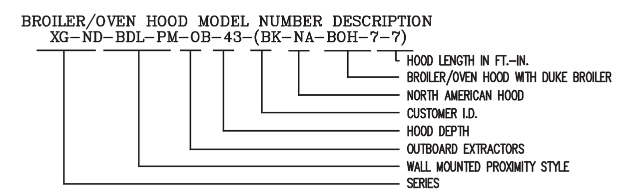
GAYLORD INDUSTRIES

10900 SW. AVERY ST.
TUALATIN, OREGON 97062
UNITED STATES OF AMERICA
PHONE: 503-691-2010
EMAIL: INFO@GAYLORDUSA.COM

Drwg no.: C-12633

Sheet: 1
Rev. :04

MODEL NUMBER DESCRIPTION



DRAWING INDEX

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03	CONTACT INFORMATION
04	LISTING, TESTING AND APPROVALS
05	SPECIFICATIONS
06	ELEVATION VIEW WITH DUKE BROILER
07	SECTION VIEW WITH DUKE BROILER
08	LEFT AND RIGHT END VIEWS AND LABELING LOCATION
09	PLAN VIEW
10	FRONT ELEVATION VIEW-UTILITY CHASE
11	PLAN VIEW-UTILITY CHASE
12	TYPICAL GAS APPLIANCE CONNECTION DETAILS
13	PLAN VIEW-FIRE SYSTEM PIPING LOCATIONS
14	AMEREX PRE-PIPING DETAILS
14.1	OPTIONAL ANSUL PRE-PIPING DETAILS
15	STANDARD FRYER HOOD MOUNTED FIRE SYSTEM ARRANGEMENT
16	OPTIONAL WALL MOUNTED FIRE SYSTEM ARRANGEMENT
17	ENCLOSURE PANEL DETAILS
18	HOOD HANGING DETAILS
19	WALL FLASHING DETAILS
20	EXHAUST FAN DETAILS
21	ROOF CURB MOUNTING INSTRUCTIONS
22	EXHAUST FAN DUCT EXTENSION DETAILS
23	METAL-FAB GREASE DUCT DETAILS
24	PROCEDURE TO CONFIRM HOOD EXHAUST VOLUME
25	BK HOOD-EXHAUST FAN-FIRE SYSTEM-HVAC SYSTEM CONTROL MATRIX

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	ADDED SHEET
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	TRANSFERRED NIECO INFO TO C-12644

MODEL #: XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7) — GAYLORD, 10900 SW. AVERY ST. TUALATIN OR 97062-1149 (503) 691-2010 — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — DATE: 09/24/09 SCALE: NTS DWG. NO.: C-12633 DRAWN BY: JH SHEET NO.: 2 REV. NO.: 04

Contact Information for the Job Site Contractor

Overview

Typically the package provided by Gaylord Industries includes the following:
1. One Hood
2. One Metal Fab UL listed grease exhaust duct system
3. One Loren Cook exhaust fan
4. One Amerex fire system, to serve both Broiler & Fryer Hoods.

The shipment from Gaylord includes the following:
1. Broiler Hood
2. Broiler Hood Enclosure Panels
3. Broiler Hood Wall Flashing
4. One Exhaust Fan Discharge Duct Extension

The Metal-Fab grease exhaust duct systems are dropped shipped from their factory in Wichita, Kansas.

The Loren Cook exhaust fans and roof curb is dropped shipped from their factory in Springfield, Missouri.

Contact Information

Shipment Information
For shipment information on any of the equipment including the Metal-Fab duct, Loren Cook fan and Amerex fire system contact:
Gaylord Industries, Tualatin, Oregon:
1. John Anderson Direct Phone: 971-223-1238 E-Mail: johna@gaylordusa.com
2. Scott Narum Direct Phone: 971-223-1275 E-Mail: scottn@gaylordusa.com

Contact Information (Cont.)

Hood Installation Questions
Gaylord Industries, Tualatin Oregon:
1. John Anderson Direct Phone: 971-223-1238 E-Mail: johna@gaylordusa.com
2. Scott Narum Direct Phone: 971-223-1275 E-Mail: scottn@gaylordusa.com

Metal-Fab Duct Installation Questions
Metal-Fab Inc., Wichita, Kansas
1. Customer Service, Commercial Vent Products: 800-835-2830

Loren Cook Fan Installation Questions
Loren Cook Company, Springfield, Missouri:
1. David Ray Office Phone: 417-869-6474

Amerex Fire System Installation Questions
The Hood has been factory pre-piped for an Amerex fire system. The package from Gaylord includes complete installation of the Amerex fire system including all plans, permits, check out and certification. The local Amerex distributor will bring all the system components at the time of installation.

Important Note: The local Amerex distributor will make contact with the general contractor to set up the installation schedule. If you have not heard from the distributor contact:
Amerex Corporation, Trussville, Alabama
1. Karen Mann Office Phone: 205-655-5730

Contact Information (Cont.)

Ansul Fire System Installation Questions
Note: As an option, the hoods may be pre piped for an Ansul R-102 fire system. If this option is used, Gaylord does not provide complete installation.

If you have questions regarding Ansul installations & you do not know your local Ansul Distributor, contact:
Ansul Inc., Marinette, WI.
Office Phone: 800-862-6785

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	NO CHANGE
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	NO CHANGE

MODEL #: XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7) — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — DATE: 09/24/09 SCALE: NTS DWG. NO.: C-12633 DRAWN BY: JH SHEET NO.: 3 REV. NO.: 04

HOOD LISTING AND APPROVAL REFERENCE

BROILER/OVEN HOOD
INTERTEK TESTING SERVICES, INC.
BROILER HOOD IS E.T.L. LISTED EXHAUST HOODS WITHOUT EXHAUST DAMPERS, REPORT NO. 3130583CRT-008.
TESTED UNDER U.L.STANDARD 710.

NATIONAL FIRE PROTECTION ASSOCIATION
MEETS ALL REQUIREMENTS OF NFPA-96 "STANDARD FOR VENTILATION CONTROL & FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS"

NSF-NATIONAL SANITATION FOUNDATION
MEETS ALL REQUIREMENTS OF NSF STANDARD NO.2 'FOOD SERVICE EQUIPMENT'

MECHANICAL CODES
MEETS ALL REQUIREMENTS OF THE UMC, BOCA, SBCCI AND IMC.

NEW YORK CITY DEPARTMENT OF BUILDING
MEA NO. 113-89-M

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	NO CHANGE
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	NO CHANGE

SHEET NO.: 4 REV. NO.: 04

NORTH AMERICAN DUKE BROILER/OVEN HOOD SPECIFICATIONS

Duke Broiler/Oven Hood Specifications
Gaylord Model XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7), canopy style wall mounted broiler/oven hood 7'-7" long x 43" front to back. The hood is specifically designed to go over a Duke FBB broiler and a half size convection oven. The hood is designed for either a Standard or Reverse ROC building. The ends and front panels are insulated double wall construction, and the top is covered with 3" thick insulation. The hood utilizes patented high efficiency stainless steel Gaylord XG Extractors with a grease mass efficiency rating of 81% on particles sizes from 2 to 10 microns. The extractor testing mirror ASTM Standard F2519 -2005, and are ETL Listed to UL Standard 1046. The extractors are hinged to open to facilitate cleaning. The hood design includes a built in 5" air space at the back for allowing direct mounting to a limited combustible wall (sheet rock on metal studs) for compliance to NFPA-96. Also built into the back of the hood are utility raceways that are used for gas piping and electrical services. The hood includes factory pre-piping for an Amerex KP fire extinguishing system or as an option may be pre-piped for an ANSUL R-102 fire system. The hood is constructed of all 18 gauge, type 300 series stainless steel, number 4 finish.

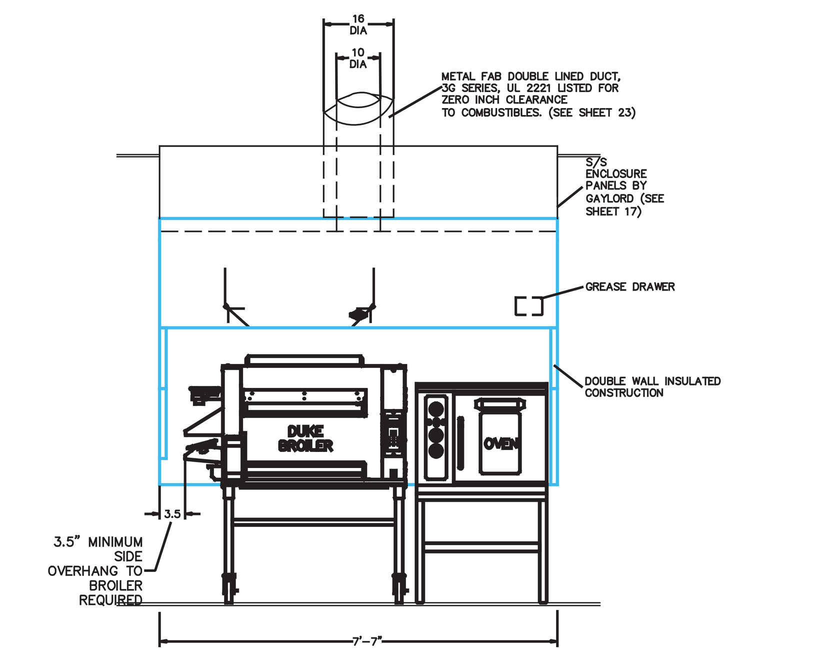
Enclosure Panels Included is a stainless steel enclosure kit to fill the space between the top of the hood and the finished ceiling. The panels are constructed of 18 gauge type 430 stainless steel, number 4 finish.

Wall Flashing One set of wall flashing for broiler/oven hood as shown on the drawings. Flashing is constructed of 18 gauge type 430 stainless steel, number 4 finish.

Hanging Weight: The hanging weight of the broiler/oven hood is 450 lbs.

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	MODIFIED WORDING
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	CHANGED TO DUKE-SPECIFIC

SHEET NO.: 5 REV. NO.: 04

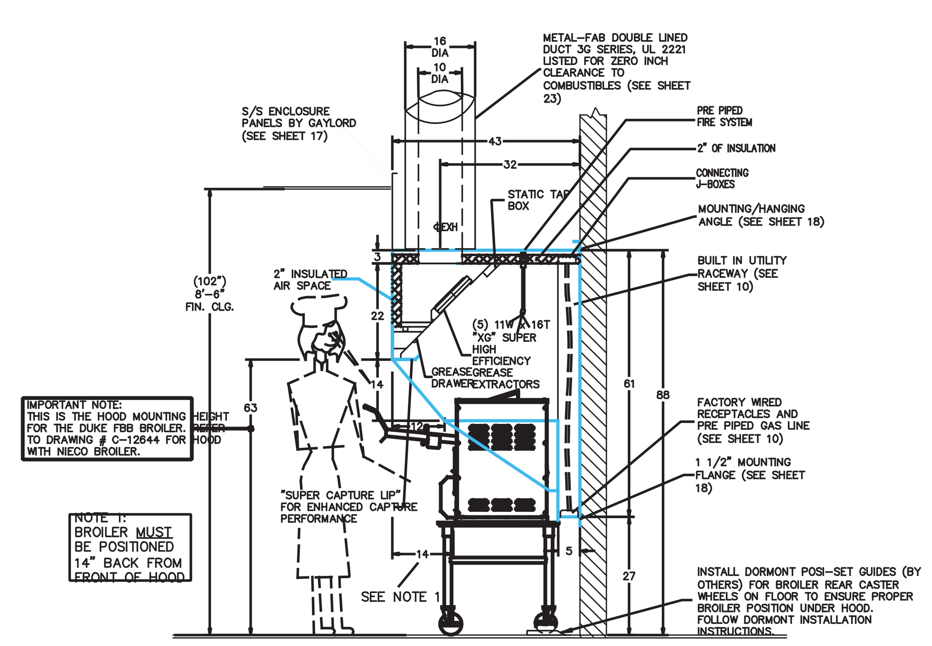


FRONT ELEVATION

ROC STANDARD CONFIGURATION – WITH DUKE BROILER

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	NO CHANGE
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	DEL. INDUCTION DOOR & HEAT SHIELD

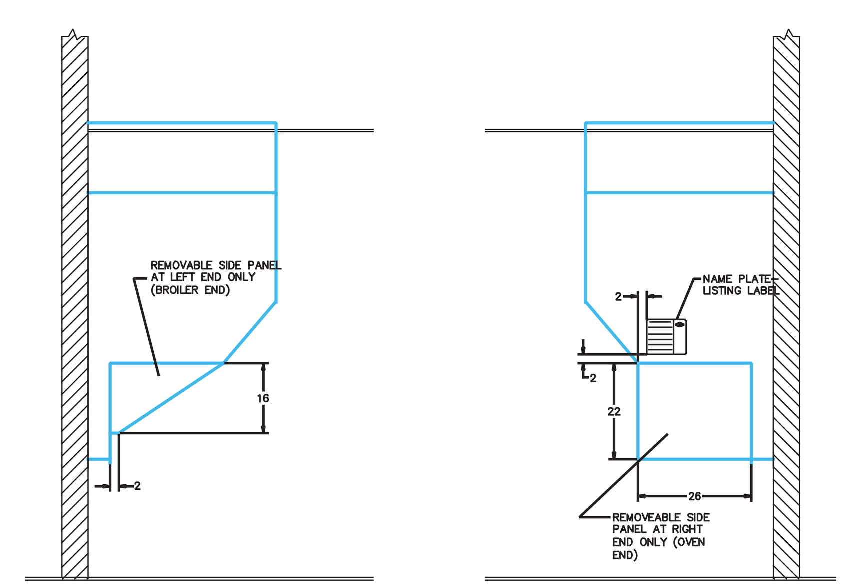
SHEET NO.: 6 REV. NO.: 04



BROILER HOOD SECTION VIEW
SHOWN WITH DUKE BROILER

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	MOVED DUCT FORWARD 3"
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	DEL. INDUCTION DOOR & HEAT SHIELD

SHEET NO.: 7 REV. NO.: 04



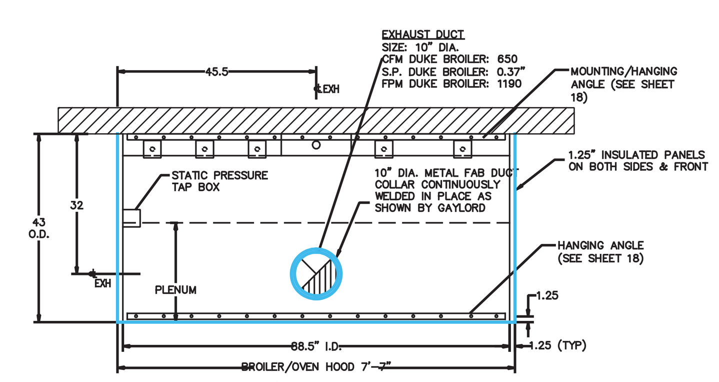
BROILER/OVEN HOOD LEFT END VIEW

BROILER/OVEN HOOD RIGHT END VIEW

BROILER/OVEN HOOD SIDE PANEL AND LABELING DETAIL

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	NO CHANGE
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	DEL. INDUCTION DOOR & HEAT SHIELD

SHEET NO.: 8 REV. NO.: 04



PLAN VIEW

REV	DWN.BY	DATE	DESCRIPTION
04	SN	12/9/10	NO CHANGE
03	SN	6/15/10	MOVED DUCT FORWARD 3"
02	SN	1/7/10	NO CHANGE
01	SN	11/17/09	CHANGED CFM TO 650

SHEET NO.: 9 REV. NO.: 04

BURGER KING EXHAUST HOOD DETAILS
NOT TO SCALE

1
M2.03

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

DATE | REVISION NO. & DESCRIPTION

LAROSE & SCHOBER
ENGINEERING
3015 S. FORT AVE. SUITE D
SPRINGFIELD, MO 65807
PHONE 417.881.1586
FAX 417.881.8390
LAROSE-SCHOBER.COM
MO Cert. of Auth. #2002018768

SOLICITATION DOCUMENTS

DRAWN BY: LSE
CHECKED BY: LSE
DATE: –

FIRM #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4304 FAX

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PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE: HVAC DETAILS

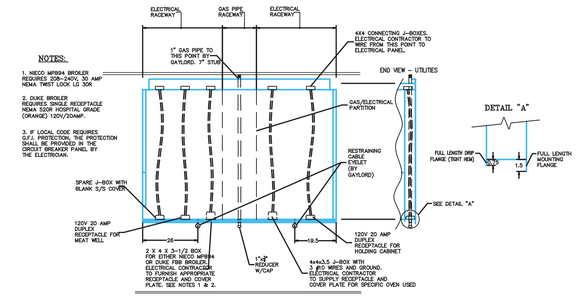
DATE: 6/8/12
SCALE:
SHEET: M2.03
DRAWING/PROJECT NO: 0530-06-000005
OF

NOTES:

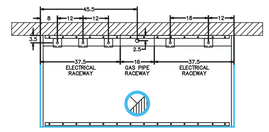
1. NECO MF694 BROILER REQUIRES 208-240V, 30 AMP NEMA TWIST LOCK L6 30R

2. DUKE BROILER REQUIRES SINGLE RECEPTACLE NEMA 520R HOSPITAL GRADE (ORANGE) 120V/20AMP.

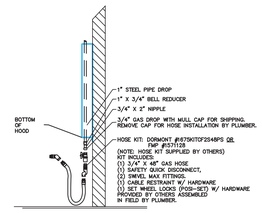
3. IF LOCAL CODE REQUIRES GFCI PROTECTION, GFCI PROTECTION SHALL BE PROVIDED IN THE CIRCUIT BREAKER PANEL BY THE ELECTRICIAN.



FRONT ELEVATION - UTILITY CHASE



PLAN VIEW - UTILITIES



REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	REVISED UTILITY LOCATIONS		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	ADDED END VIEW AND NOTES				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 10 — REV. 04

REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/18/10	CHANGED UTILITY LOCATIONS		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	NO CHANGE				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 11 — REV. 04

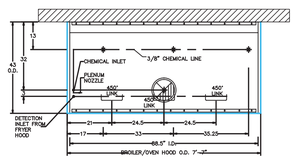
REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	NO CHANGE		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	NO CHANGE				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 12 — REV. 04



PLAN VIEW - FIRE SYSTEM PIPING LOCATIONS

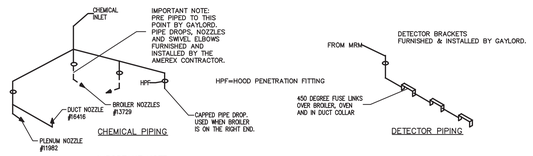
REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	MOVED DUCT AND F.P. LOCATIONS		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	MODIFIED FIRE PROTECTION LAYOUT				
01	SN	11/17/09	CHANGED TO ALL 450 FUSE LINKS				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 13 — REV. 04



IMPORTANT NOTE:
ALL BLOW OFF CAPS TO BE HIGH TEMPERATURE METAL PART NUMBER 12504

AMEREX PIPING DETAILS
BROILER/OVEN HOOD

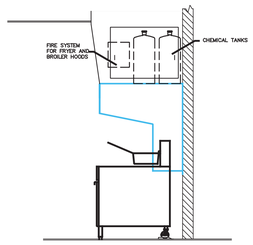
REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	NO CHANGE		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	MODIFIED FIRE SYSTEM LAYOUT				
01	SN	11/17/09	CHANGED TO ALL 450 FUSE LINKS				

DRAWN: JH

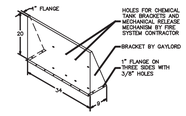
GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12628 — SHEET NO. 14 — REV. 04



FRYER HOOD MOUNTED FIRE SYSTEM DETAIL



FIRE SYSTEM BRACKET DETAIL

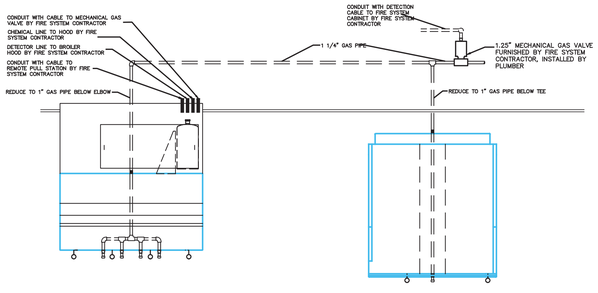
REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	8/9/10	MODIFIED ENCLOSURE PANELS				
03	SN	4/5/10	CHANGED WORDING TO GENERIC		PC-ND-AB-39-(BK-NA-FH-6-4)		
02	SN	1/14/10	MOUNTING HOLES BY AMEREX				
01	SN	12/01/09	NO CHANGE				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN FRYER HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 10/14/09 — SCALE N.T.S. — DWG NO. C-12635 — SHEET NO. 14.1 — REV. 04



TYPICAL FRYER HOOD

TYPICAL BROILER HOOD

TYPICAL STANDARD HOOD MOUNTED FIRE SYSTEM ARRANGEMENT
USING ONE SYSTEM TO SERVE BOTH HOODS

REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	MODIFIED PIPING NOTES		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	NO CHANGE				

DRAWN: JH

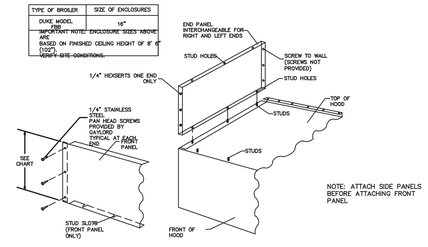
GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/24/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 15 — REV. 04

TYPE OF BROILER	SIZE OF ENCLOSURES
DUKE MODEL FB6	16"

IMPORTANT NOTE: ENCLOSURE SIZES ABOVE ARE BASED ON FINISHED CEILING HEIGHT OF 8' 0" (120") VERIFY SITE CONDITIONS.



NOTE: ATTACH SIDE PANELS BEFORE ATTACHING FRONT PANEL.

BROILER HOOD ENCLOSURE PANELS
INSTALLATION INSTRUCTIONS

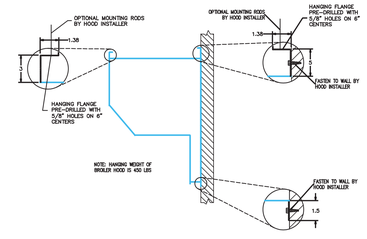
REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	CHANGED ENCLOSURE PANEL DESIGN		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	CHANGED TO DUKE-SPECIFIC				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/25/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 17 — REV. 04



HANGING DETAIL FOR BROILER/OVEN HOOD

REV	DWN.BY	DATE	DESCRIPTION	APP'D	MODEL #	ITEM #	WORK ORDER
04	SN	12/9/10	NO CHANGE				
03	SN	6/21/10	NO CHANGE		XG-ND-BDL-PW-DB-K3-(BK-NA-BOH-7-7)		
02	SN	1/7/10	NO CHANGE				
01	SN	11/17/09	NO CHANGE				

DRAWN: JH

GAYLORD — 10900 DR. AVERY ST. TULSA, OK 74116-1148 (918) 691-2850

NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION

DATE 09/25/09 — SCALE N.T.S. — DWG NO. C-12633 — SHEET NO. 18 — REV. 04

BURGER KING EXHAUST HOOD DETAILS
NOT TO SCALE

1 / M2.04

EXCHANGE™

STATE OF MISSOURI — CHRISTOPHER RAY DUNCAN — NUMBER PE-2005021661 — PROFESSIONAL ENGINEER

6/7/12

DATE	REVISION NO. & DESCRIPTION

LaRose & Schober
3015 S. FORT AVE. SUITE D
SPRINGFIELD, MO 65807
PHONE 417.881.1586
FAX 417.881.8390
LAROSE-SCHOBER.COM
MO Cert. of Auth. #2002018768

SOLICITATION DOCUMENTS

DRAWN BY: LSE

CHECKED BY: LSE

DATE: –

Firm #1449
morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4304 FAX

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

HVAC DETAILS

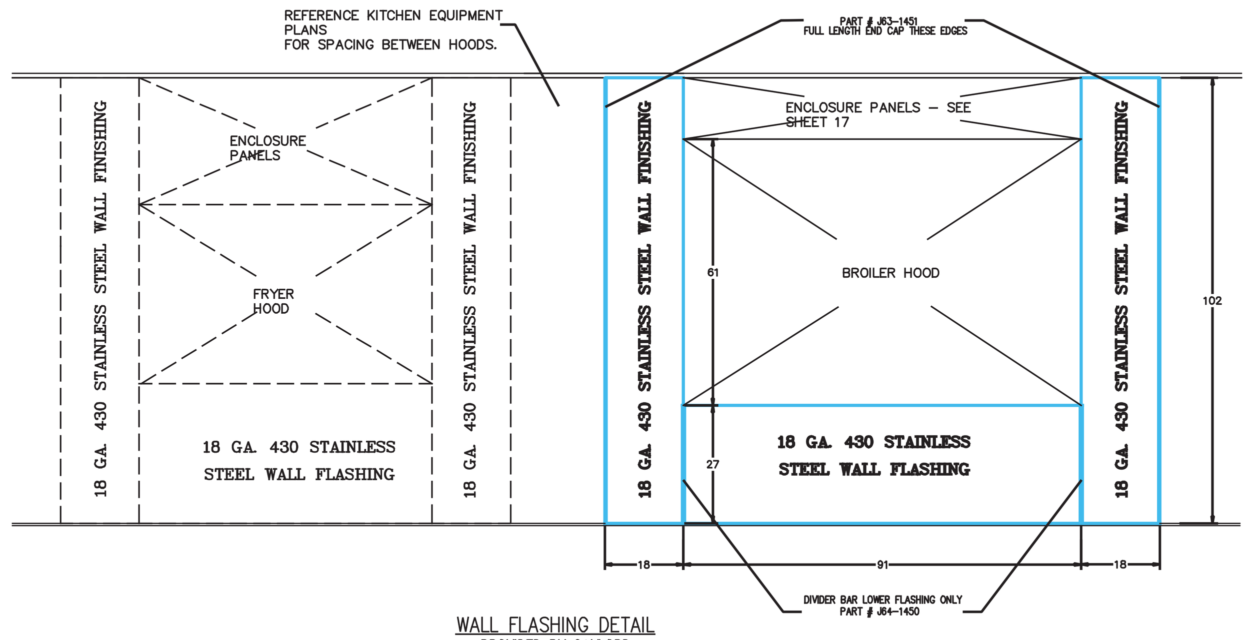
DATE: 6/8/12

SCALE:

SHEET: M2.04

DRAWING/PROJECT NO: 0530-06-000005

OF



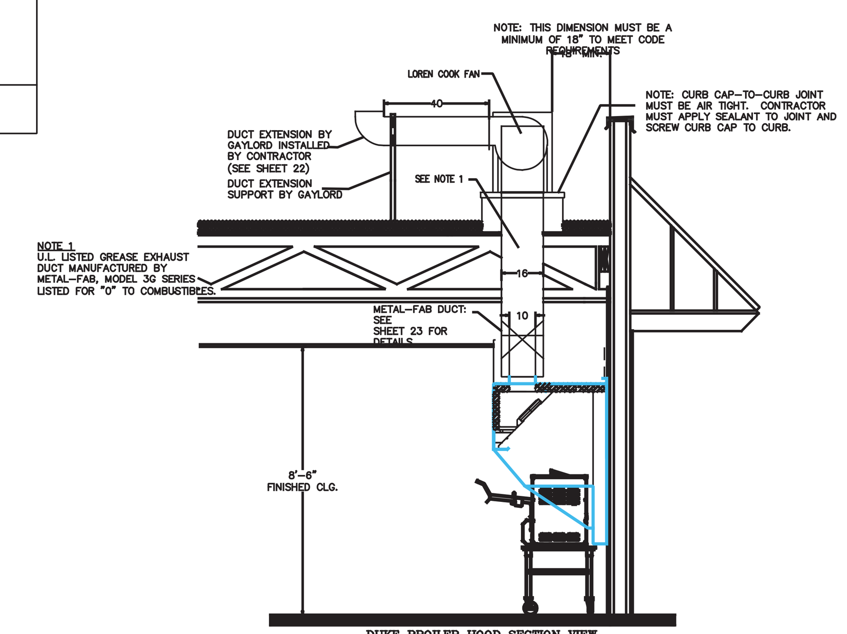
WALL FLASHING DETAIL
PROVIDED BY GAYLORD

04	SN	12/9/10	NO CHANGE	
03	SN	6/21/01	ADDED FRYER AS REFERENCE	
02	SN	1/7/10	NO CHANGE	
01	SN	11/17/09	ADDED ENCLOSURE PANEL NOTE	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 19 — 04

DUKE BROILER/OVEN EXHAUST FAN SPECS
COOK MODEL 100 CPS: 650 CFM, 1.00" S.P. , 1 HP 208V/1 PH/60 MOTOR, UL 762, HI TEMP EZ CLEAN COAT, STEEL ACCESS DOOR, HANGING GREASE TROUGH, PREWIRED NEMA DISCONNECT, TOP HORIZONTAL DISCHARGE WITH PUNCHED UL762 FLANGE, CURB CAP & INLET BOX, ROOF CURB, AND PRE-WIRED CURRENT SENSOR

ROOF CURB SPECS
COOK MODEL RCG-30x46x18
NO NAILER



DUKE BROILER HOOD SECTION VIEW

04	SN	12/9/10	CHANGED TO 18" TALL CURB	
03	SN	6/21/10	CHANGED DUCT LOCATION AND NOTES	
02	SN	1/7/10	NO CHANGE	
01	SN	11/17/09	CHANGED CFM TO 650	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 20 — 04

Instructions for Mounting the Roof Curb Typical for both the Fryer & Broiler fans

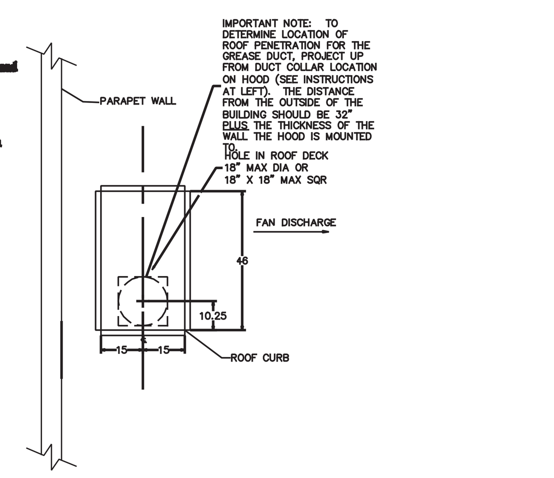
Cutting Hole in The Roof Deck1. One Hood

1. The hood exhaust duct collar is located , left to right, in the center of the hood, and located 32" off the sheet-rocked kitchen wall to the center of the duct.
2. Project this centerline dimension to the roof deck and cut a hole a minimum of 17" in diameter and no greater than 18". A square hole of the same dimension may also be cut. A square hole of the same dimension may also be cut.

Spotting the Roof Curb

1. The roof curb is not symmetrical and therefore it is very important that it be installed per these instructions.
2. The curb is set at parallel the parapet wall as shown on the illustration at the right.
3. The discharge of the exhaust fan is horizontal and faces away from the roof parapet.
4. As you face the parapet wall (imagine fan outlet facing you when in place) the left out side edge of the curb should be 10.25" to the left of the centerline of the hole cut in the roof deck. You should then have 35.75" from the centerline of the hole to the right hand edge of the curb.
5. The curb should be set away from the parapet wall so that it is centered over the hole in the roof deck.
6. Attach the curb to the roof with the appropriate number and size of screws through the roof curb flange.

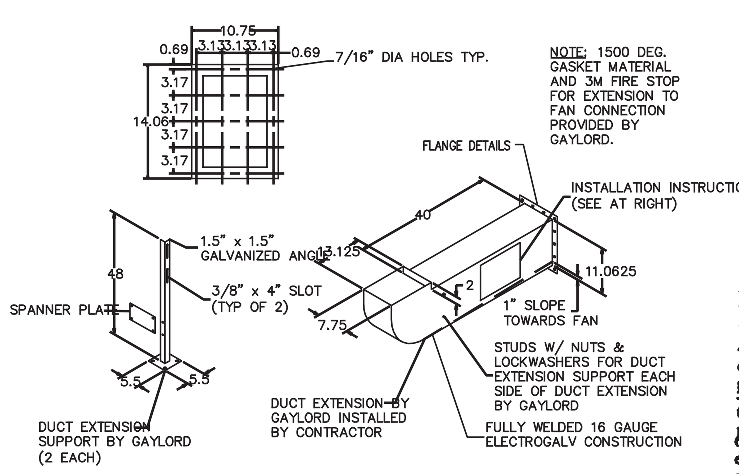
STOP
Do not install the exhaust fan. The Metal-Fab grease duct must be installed before the exhaust fan. Refer to Sheet #23 and Metal-Fab Factory Instructions.



04	SN	12/9/10	NO CHANGE	
03	SN	6/21/10	ADDED DIMENSION NOTE	
02	SN	1/7/10	NO CHANGE	
01	SN	11/17/09	NO CHANGE	

MODEL #: XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7)

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 21 — 04



BROILER/OVEN HOOD EXHAUST FAN DUCT EXTENSION

INSTALLATION INSTRUCTIONS

After the exhaust fan is mounted on the curb, use the following instructions to install the Fan Duct Extension:

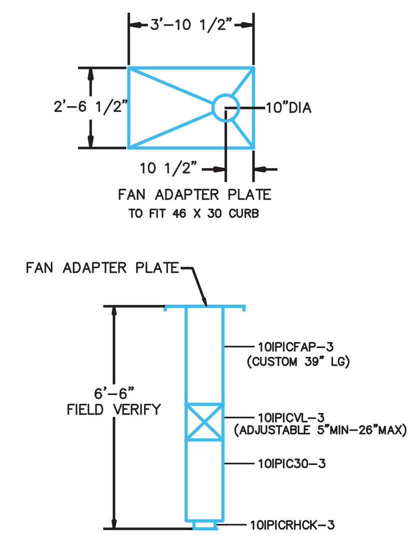
1. Attach the two fan discharge extension support legs to the duct extension with the nuts provided. Do not tighten.
2. Attach the spanner plate to the two duct extension support legs with the bolts and nuts provided. Tighten
3. Apply a 1/8" bead of 3M Fire Stop (provided) to the exhaust fan outlet flange and the fan discharge extension flange.
4. Place the 1500 degree gasket material on one of the flanges, allowing the 3M fire stop to hold it in place.
5. Clamp the two flanges together and bolt together with the bolts, washers, and nuts provided. Tighten
6. Adjust the support legs so the duct extension slopes slightly towards the fan and tighten the nuts.
7. Screw the duct extension support leg flanges to the roof with the appropriate size screws. These screws are not provided by Gaylord.

04	SN	12/9/10	INCREASED SUPPORT LEG HEIGHT 8"	
03	SN	6/21/10	NO CHANGE	
02	SN	1/7/10	NO CHANGE	
01	SN	11/17/09	NO CHANGE	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 22 — 04

NOTES:

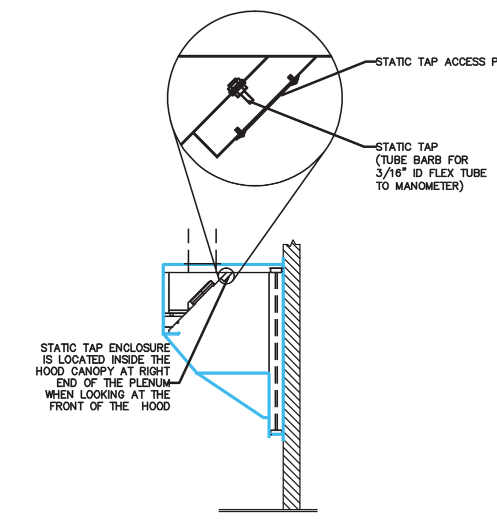
1. METAL-FAB GREASE DUCT IS UL LISTED FOR 0" CLEARANCE TO COMBUSTIBLES:
   > UL 1978
   > UL 2221
   > UL FILE #MH25506
2. INSTALLATION INSTRUCTIONS ARE INCLUDED WITH THE METAL-FAB PRODUCT. THESE INSTRUCTIONS CAN ALSO BE FOUND AT: http://www.metal-fabcommercial.com/media/L2502.pdf
3. ADDITIONAL METAL-FAB INFORMATION CAN BE OBTAINED BY VISITING www.greaseduct.com OR CALLING 800-835-2830
4. THE MAXIMUM DISTANCE FROM THE RESTAURANT FLOOR TO THE TOP OF THE EXHAUST CURB THAT THIS COMBINATION OF DUCT COMPONENTS AND HOOD WILL FIT IS 14'-8" (176"). VERIFY PRIOR TO ORDERING PRODUCT. ADDITIONAL SPOOL PIECES CAN BE ADDED FOR REACHING GREATER DISTANCES.



BROILER HOOD DUCT – DUKE BROILER ONLY
METAL-FAB DUCT COMPONENTS

04	SN	12/9/10	CHANGED 18" PIECE TO 30"	
03	SN	6/21/10	ADDED NOTES	
02	SN	11/17/09	NO CHANGE	
01	SN	11/17/09	NO CHANGE	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER ONLY) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 23 — 04



GAYLORD RECOMMENDS MEASURING THE STATIC PRESSURE IN THE PLENUM AS THE MEANS BY WHICH TO DETERMINE EXHAUST FLOW. THE STATIC TAP IS ACCESSED BEHIND A PLATE LOCATED AS SHOWN IN THE DRAWING TO THE LEFT.

REQUIREMENTS:
- A MANOMETER THAT READS IN INCHES OF WATER COLUMN AND A 3/16" ID FLEXIBLE TUBE TO CONNECT THE STATIC TAP TO THE MANOMETER
- READING MUST BE TAKEN AT ROOM TEMPERATURE WITH COOKING EQUIPMENT OFF AND COOL

THE PROPER STATIC PRESSURE READING FOR THE 650 CFM SPECIFIED FOR THIS HOOD AND COOKING EQUIPMENT =
0.11 TO 0.14 IN W.G.

PROCEDURE TO CONFIRM HOOD EXHAUST VOLUME

04	SN	12/9/10	CHANGED TO STATIC PRESSURE RANGE	
03	SN	6/21/10	ADDED THIS SHEET	
02	SN	1/7/10	NO CHANGE	
01	SN	11/17/09	NO CHANGE	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 6/21/10 — N.T.S. — C-12633 — 24 — 04

BK ROC Hood / Ex Fan / Fire System / HVAC Control Matrix as of 10-14-09

Action	Reaction: Ex Fan	Electric Pwr to Cooking Equip.	Mech. Gas Valve	HVAC Units	Make up air unit (if applicable)	Comments
Fan sw. turned on	On	On	On	On	On	Note: HVAC Units must be on before ex fan can come on
Fan sw. turned off	Off	Off	On	On	Off	
Fire system discharges	On	Off	Off	Off	Off	
Slipping fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Broken fan belt	On	Off	On	On	Off	Pwr to cooking equip. off via current sensor
Power outage	Off	Off	On	Off	Off	
HVAC system turned off	Off	Off	On	Off	Off	

04	SN	12/9/10	NO CHANGE	
03	SN	6/21/10	CHANGED SHEET NUMBER	

GAYLORD — NORTH AMERICAN BROILER/OVEN HOOD (WITH DUKE BROILER) BURGER KING CORPORATION — 09/25/09 — N.T.S. — C-12633 — 25 — 04

BURGER KING EXHAUST HOOD DETAILS
NOT TO SCALE
1 / M2.05

EXCHANGE™

CHRISTOPHER RAY DUNCAN — STATE OF MISSOURI — NUMBER PE-2005021661 — 6/7/12

REVISION NO. & DESCRIPTION — DATE

LaROSE & SCHOBER
3015 S. FORT AVE. SUITE D
SPRINGFIELD, MO 65807
PHONE 417.881.1586
FAX 417.881.6390
LAROSE-SCHOBER.COM
MO Cert. of Auth. #2002018768

SOLICITATION DOCUMENTS

DRAWN BY: LSE
CHECKED BY: LSE
DATE: –

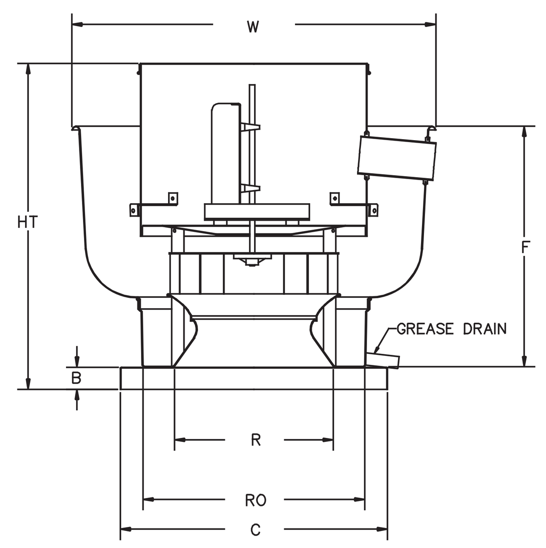
morris+associates — Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX. 77429
(281) 855-6433
(281) 858-4334 FAX

PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE: HVAC DETAILS

DATE: 6/8/12 — SCALE: — SHEET: M2.05
DRAWING/PROJECT NO.: 0530-06-000005

Centrifugal Upblast High Pressure BDU18HP Fryer Hood Exhaust Fan



FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762 – UL705
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

Action air 678-893-0089

MODEL: BDU18HP

FAN DATA TABLE

FAN	FRYER
MODEL	BDU18HP
CFM	1560
HP	1.0
RPM	1188
STATIC PRESSURE	1.5"
VOLTS/PHASE	115V–1PH–60
CURB O.D.	26.5"
WEIGHT	190
W	40"
F	23.5"
HT	33.75"
R	16.5"
C	28"

THE FOLLOWING PARTS ARE PROVIDED
GREASE BOX
HINGED FAN

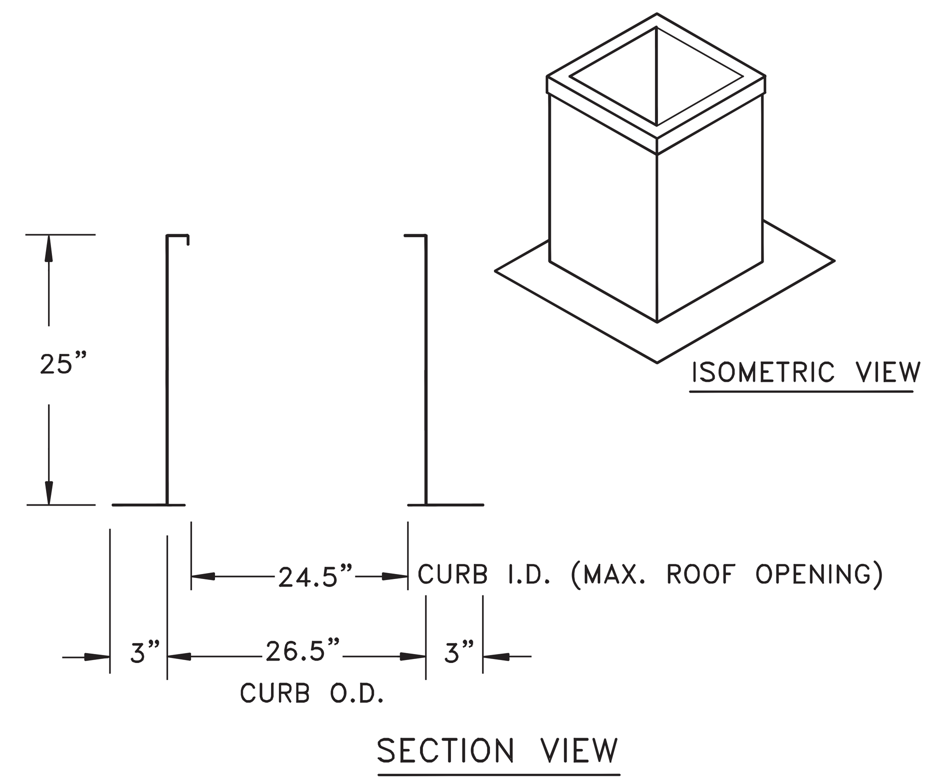
AMCA NSF

THIS DRAWING IS THE PROPERTY OF ACTION AIR AND CAN BE REPRODUCED ONLY BY PERMISSION, IN WHICH CASE, ALL DRAWINGS MUST BEAR THE NAME ACTION AIR

POPEYES LOUISIANA KITCHEN

BUILDING TYPE	EZ-Over
LOCATION	Fort Bragg, NC
APPLICATION	FRYER EXHAUST FAN

DRN. BY:	SCALE:	DATE:	PROJECT No.:	DWG. No.:
TD	N.T.S.	2/14/11	5EZNSD21411	1 of 1



Action air 678-893-0089

ACTION AIR MODEL: RC-26.5

STANDARD FEATURES:

- 18 GAUGE GALVANIZED STEEL
- ALL WELDED, WEATHERPROOF CONSTRUCTION
- SELF FLASHING CURB BASE

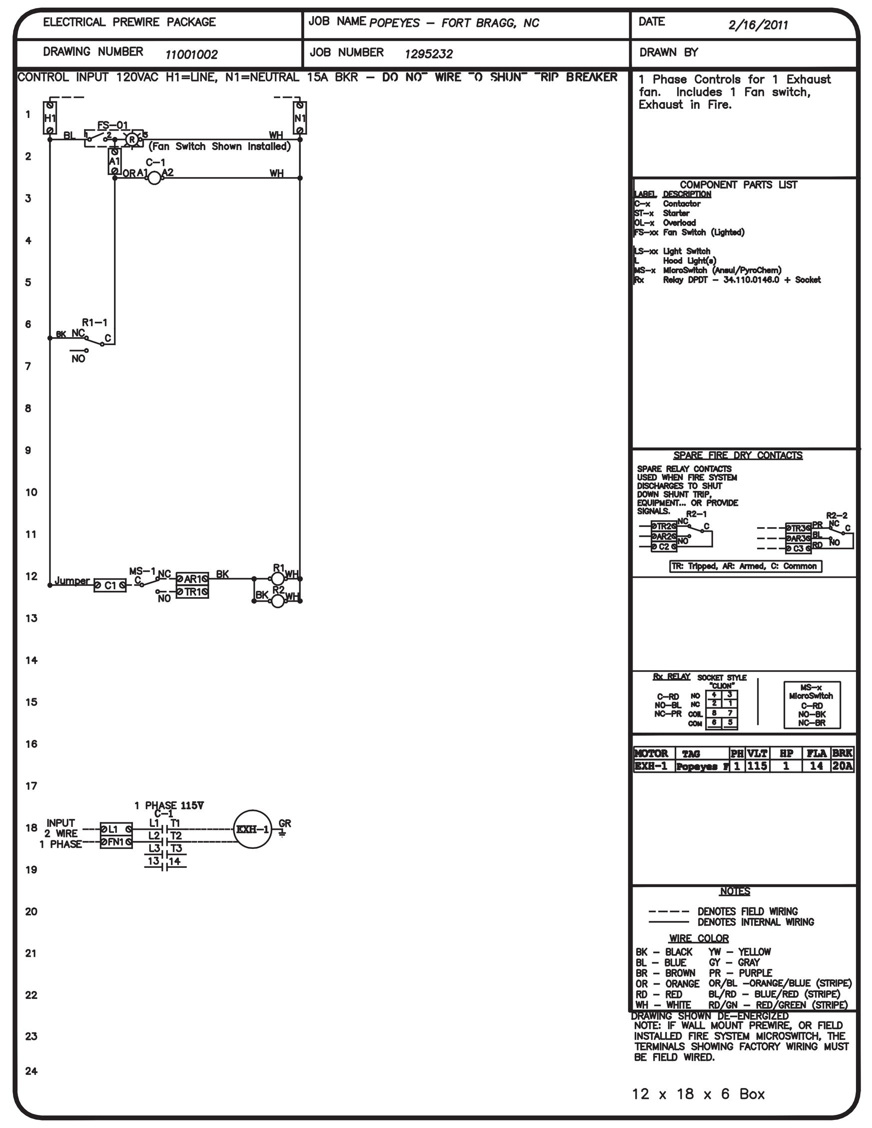
THIS DRAWING IS THE PROPERTY OF ACTION AIR AND CAN BE REPRODUCED ONLY BY PERMISSION, IN WHICH CASE, ALL DRAWINGS MUST BEAR THE NAME ACTION AIR

POPEYES LOUISIANA KITCHEN

BUILDING TYPE	5VAT EZ-OVER
LOCATION	Fort Bragg, NC
APPLICATION	EXHAUST FAN ROOF CURB

DRN. BY:	SCALE:	DATE:	PROJECT No.:	DWG. No.:
T.D.	N.T.S.	2/14/11	5EZNSD21411	1 of 1

STAINLESS STEEL BOX WITH FAN ON/OFF SWITCH



Action air 678-893-0089

POPEYES MODEL: NSTD-MCC-EZ

DATA TABLE

FANS CONTROLLED	H.P-Voltage-Phase-FLA
Fryer Exhaust	1.0 – 115 – 1 – 14.0
Supply Fan	N/A

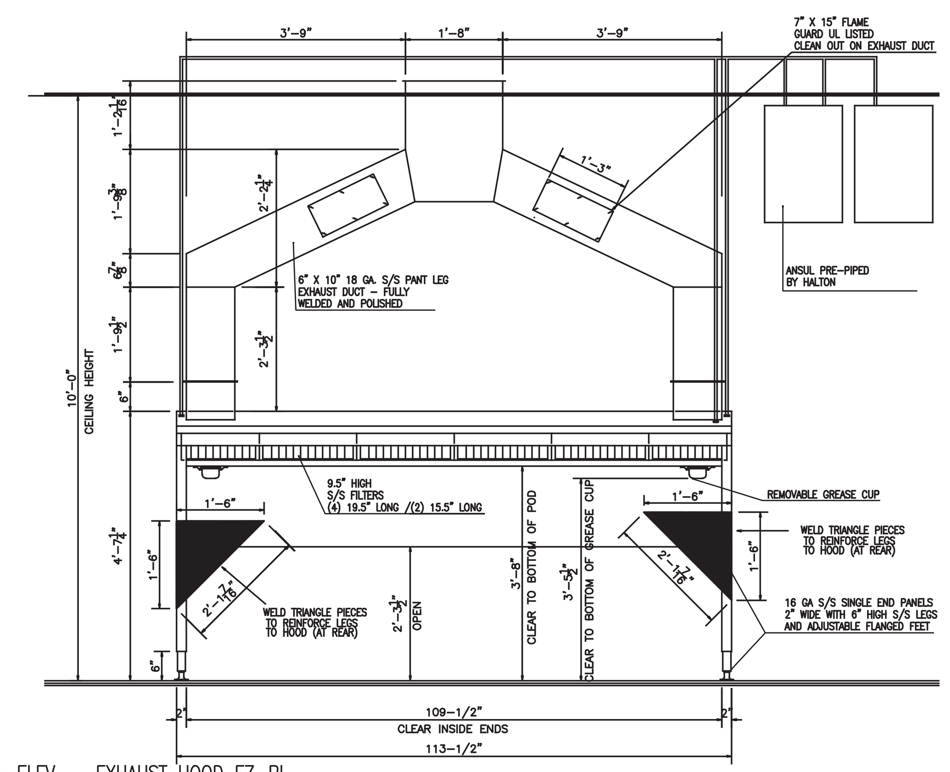
BOX DIMENSIONS
12" X 18" 6"

THIS DRAWING IS THE PROPERTY OF ACTION AIR AND CAN BE REPRODUCED ONLY BY PERMISSION, IN WHICH CASE, ALL DRAWINGS MUST BEAR THE NAME ACTION AIR

POPEYES LOUISIANA KITCHEN

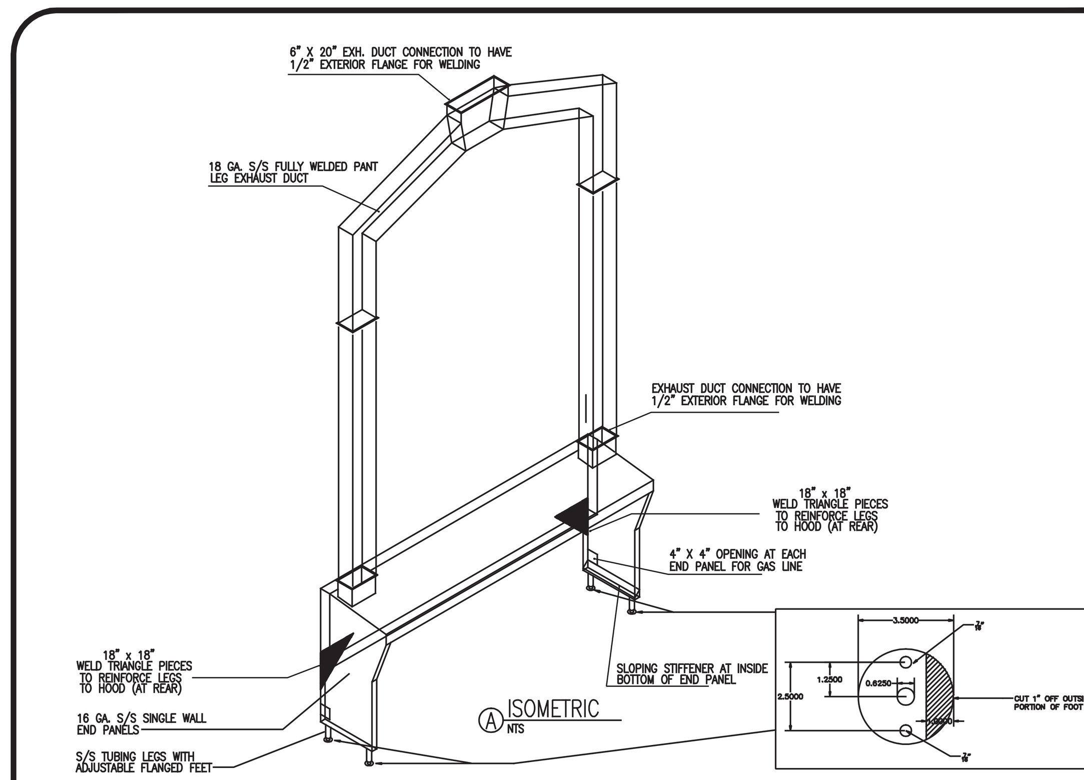
BUILDING TYPE	EZ-Over
LOCATION	Fort Bragg, NC
APPLICATION	FAN CONTROL BOX

DRN. BY:	SCALE:	DATE:	PROJECT No.:	DWG. No.:
TD	N.T.S.	2/16/11	5EZNSD21411	1 of 1



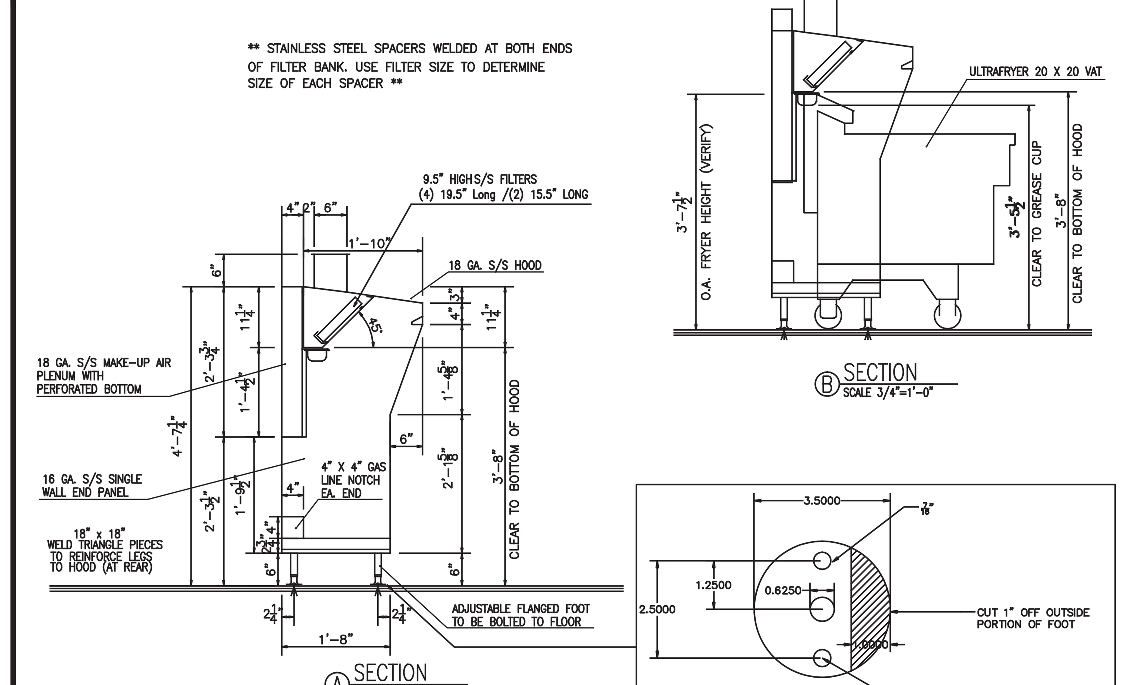
ITEM NO. F11H – EXHAUST HOOD (5-VAT EZ OVER W/ PANT LEG DUCTWORK)

Action air 678-893-0089 — POPEYES LOUISIANA KITCHEN — Halton — Popeyes Fort Bragg, NC — MODEL GL-L — DRAWING No.: 1 of 4



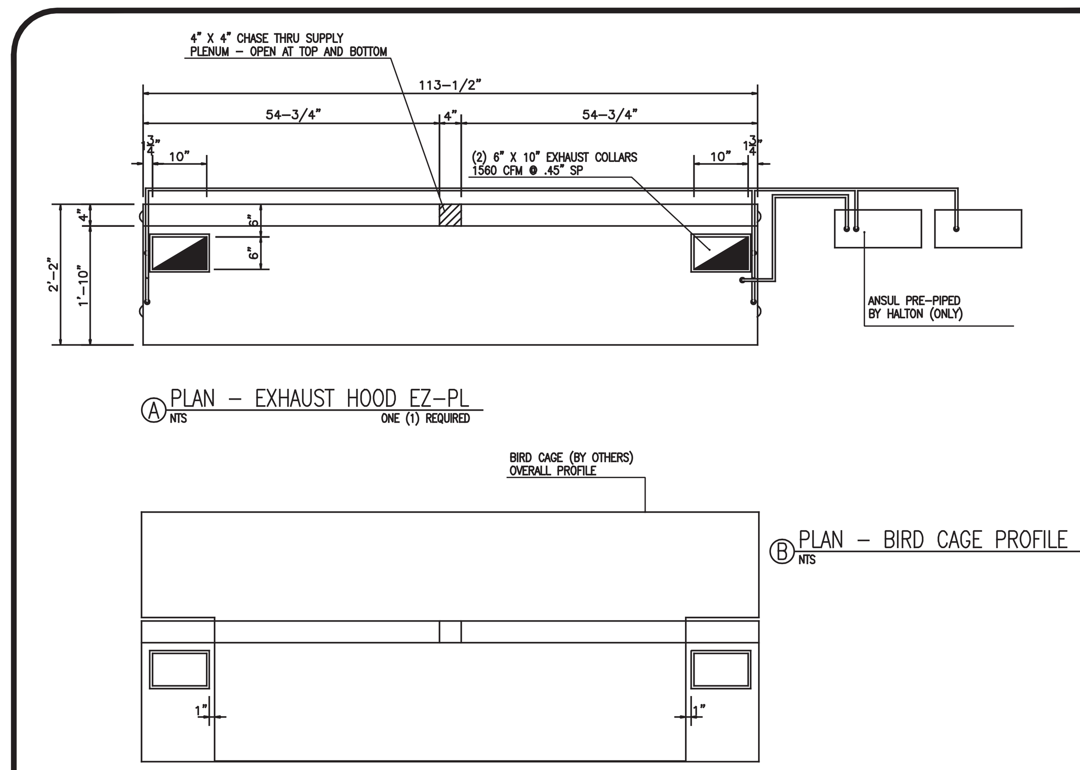
ITEM NO. F11H – EXHAUST HOOD (5-VAT EZ OVER W/ PANT LEG DUCTWORK)

Action air 678-893-0089 — POPEYES LOUISIANA KITCHEN — Halton — Popeyes Fort Bragg, NC — MODEL GL-L — DRAWING No.: 3 of 4



ITEM NO. F11H – EXHAUST HOOD (5-VAT EZ OVER W/ PANT LEG DUCTWORK)

Action air 678-893-0089 — POPEYES LOUISIANA KITCHEN — Halton — Popeyes Fort Bragg, NC — MODEL GL-L — DRAWING No.: 4 of 4



ITEM NO. F11H – EXHAUST HOOD (5-VAT EZ OVER W/ PANT LEG DUCTWORK)

Action air 678-893-0089 — POPEYES LOUISIANA KITCHEN — Halton — Popeyes Fort Bragg, NC — MODEL GL-L — DRAWING No.: 2 of 4

POPEYES EXHAUST HOOD DETAILS
NOT TO SCALE

1 / M2.06

EXCHANGE

LAROSE & SCHOBER ENGINEERING
3015 S. FORT AVE. SUITE D
SPRINGFIELD, MO 65807
PHONE 417.881.1586
FAX 417.881.8390
LAROSE-SCHOBER.COM
MO Cert. of Auth. #2002018768

6/7/12

SOLICITATION DOCUMENTS

DRAWN BY: LSE
CHECKED BY: LSE
DATE: –

morris + associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX 77429

PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE: HVAC DETAILS

DATE:	SCALE:	SHEET:
6/8/12		M2.06

DRAWING/PROJECT NO.: 0530-06-000005

GENERAL HVAC NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2006 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
2. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
3. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCING ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
4. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THE WORK OF OTHER SUBCONTRACTORS OF THE PROJECT. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL DEVICES REQUIRED TO ACHIEVE THE SEQUENCE OF OPERATIONS. SEE SPECIFICATIONS FOR CONTROL SYSTEM DEVICE REQUIREMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
7. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING DURING PERIOD OF CONSTRUCTION. VERIFY ALL POSSIBLE SCHEDULING CONFLICTS WITH THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE COMPLETE SET OF PLANS FOR WORK PERTAINING TO HIS DISCIPLINE.
9. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

DUCT CONSTRUCTION SCHEDULE

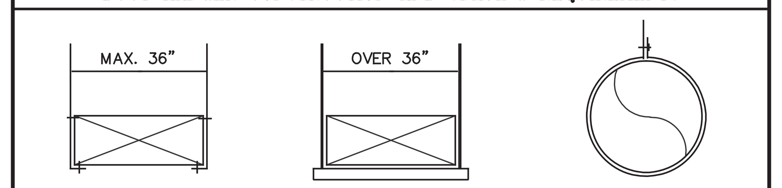
RECTANGULAR DUCT CONSTRUCTION MINIMUM METAL GAUGES

MAXIMUM SIDE	GALVANIZED STEEL	PERIMETER HALF	HANGER STRAP
THROUGH 12"	26 GAUGE	P/2 = 30"	1"X22 GAUGE
13" THROUGH 30"	24 GAUGE	P/2 = 72"	1"X18 GAUGE
31" THROUGH 54"	22 GAUGE	P/2 = 96"	1"X16 GAUGE
55" THROUGH 84"	20 GAUGE	P/2 = 120"	1.5"X16 GAUGE
OVER 84"	18 GAUGE	P/2 = 168"	1.5"X16 GAUGE

ROUND DUCT CONSTRUCTION MINIMUM METAL GAUGES

DIAMETER	LONGITUDINAL SEAM	SPIRAL SEAM	FITTINGS	HANGER STRAP
THROUGH 12"	26 GAUGE	28 GAUGE	26 GAUGE	1"X22 GAUGE
13" THROUGH 30"	24 GAUGE	26 GAUGE	24 GAUGE	1"X18 GAUGE
31" THROUGH 54"	22 GAUGE	24 GAUGE	22 GAUGE	1"X16 GAUGE
55" THROUGH 84"	20 GAUGE	22 GAUGE	20 GAUGE	1.5"X16 GAUGE
OVER 84"	18 GAUGE	20 GAUGE	18 GAUGE	1.5"X16 GAUGE

DUCT HANGER CONSTRUCTION AND SPACING REQUIREMENTS



HANGER STRAPS FASTEN TO STRUCTURE MAXIMUM 10' CENTERS

RECTANGULAR DUCTWORK

CONCEALED

SUPPLY: WRAP DUCTWORK WITH 1.5" THICK, 0.75 LB/CU FT DENSITY DUCT WRAP (R=4.2) EQUAL TO OWENS CORNING TYPE 75 FIBERGLASS ALL SERVICE DUCT WRAP.

RETURN: NO INSULATION IS REQUIRED.

EXPOSED

SUPPLY: LINE DUCTWORK WITH 1" THICK, 2.0 LB/CU FT DENSITY DUCT LINER (R=3.8) EQUAL TO OWENS CORNING TYPE 200 AEROFLEX PLUS DUCT LINER. A PRE-FABRICATED, FLANGED DUCT SYSTEM EQUAL TO DUCTMATE IS PREFERRED BUT NOT REQUIRED.

RETURN: NO INSULATION IS REQUIRED EXCEPT WHERE NOTED ON THE PLAN FOR SOUND ATTENUATION.

ROUND DUCTWORK

CONCEALED

SUPPLY: DUCT SHALL BE SNAPLOCK PIPE. WRAP DUCTWORK WITH 1.5" THICK, 0.75 LB/CU FT DENSITY DUCT WRAP (R=4.2) EQUAL TO OWENS CORNING TYPE 75 FIBERGLASS ALL SERVICE DUCT WRAP. FLEXIBLE DUCT SHALL HAVE AN EQUAL OR GREATER R-VALUE.

RETURN: DUCT SHALL BE SNAPLOCK PIPE. NO INSULATION IS REQUIRED.

EXPOSED

SUPPLY: DUCT SHALL BE DOUBLE-WALL SPIRAL DUCT WITH 1" OF FIBERGLASS INSULATION AND A PERFORATED METAL LINER. DUCTWORK SHALL HAVE A PAINTGRIP FINISH.

RETURN: NO INSULATION IS REQUIRED EXCEPT WHERE NOTED ON THE PLAN FOR SOUND ATTENUATION.

SPECIAL DUCTWORK

GREASE EXHAUST DUCTWORK (TYPE 1 HOOD EXHAUST)

CONCEALED DUCTWORK SHALL BE 16 GA. MILD STEEL. EXPOSED DUCTWORK SHALL BE 18 GA. STAINLESS STEEL. ALL JOINTS AND SEAMS SHALL BE WELDED LIQUID TIGHT. PROVIDE A CLEANOUT EVERY 20'-0" IN HORIZONTAL DUCTWORK AND AT EVERY ELBOW. HORIZONTAL DUCTWORK SHALL HAVE A MINIMUM 2% SLOPE TOWARDS THE HOOD. ALL ELBOWS SHALL BE THE RADIUSED TYPE. WHERE THE CLEARANCE TO COMBUSTIBLES IS LESS THAN 18", THE DUCTWORK SHALL BE WRAPPED WITH TWO LAYERS OF "FIREMASTER" DUCT WRAP. THE ENTIRE INSTALLATION SHALL CONFORM TO NFPA 96.

THE BURGER KING HOODS HAVE A PRE-FABRICATED DUCT SYSTEM. REFER TO THE BURGER KING NOTES AND DETAILS FOR REQUIREMENTS.

GENERAL REQUIREMENTS

1. CONSTRUCTION: ALL DUCTWORK AND HANGERS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCT DIMENSIONS SHOWN ON THE PLANS ARE THE INSIDE CLEAR DIMENSIONS. UNLESS INDICATED OTHERWISE, ALL DUCTWORK SHALL BE GALVANIZED STEEL.
2. SEALANT: ALL DUCT JOINTS AND SEAMS SHALL BE SEALED WITH A WATER-BASED BRUSH ON DUCT SEALER EQUAL TO UNITED MCGILL DUCT SEALER.
3. TAPE: ONLY ALUMINUM FOIL TAPE APPROVED BY THE DUCT WRAP MANUFACTURER SHALL BE USED.
4. FLEXIBLE DUCTWORK: DUCT SHALL BE UL LISTED CLASS 1 PRE-INSULATED FLEX DUCT. FLEXIBLE DUCTWORK SHALL BE CONSTRUCTED WITH AN ACOUSTICAL TRANSPARENT CPE FABRIC SUPPORTED BY A GALVANIZED STEEL MECHANICALLY LOCKED HELIX. WIRE HELIX TYPE CORE SUPPORT NOT ACCEPTABLE. INSULATION SHALL BE COVERED WITH A REINFORCED ALUMINUM PIGMENTED VAPOR BARRIER. FLEXIBLE DUCT TO BE "FLEXMASTER USA" TYPE 8M ONLY, OR SUBMIT A SAMPLE TO THE ENGINEER FOR AN ALTERNATE APPROVED EQUAL. DUCT SHALL NOT EXCEED 8'-0" IN LENGTH.
5. FITTINGS: INSTALL TURNING VANES IN ALL RECTANGULAR ELBOWS GREATER THAN 45°. ALL BRANCH DUCTS SHALL HAVE A 45° ENTRY AT THE MAIN TRUNK DUCT.
6. TAKE-OFF FITTINGS: BRANCH DUCT TAKE-OFF FITTINGS SHALL BE MINUMUM 26 GAUGE GALVANIZED STEEL WITH FLANGE CONNECTOR AND ADHESIVE NEOPRENE GASKET. FLANGE SHALL BE PRE-DRILLED FOR SECURING TO DUCT WITH SCREWS. BRANCH DUCT TAKE-OFF FITTINGS FOR SUPPLY AND EXHAUST DIFFUSERS/REGISTERS SHALL INCLUDE AN INTEGRAL MANUAL VOLUME DAMPER W/LOCKING QUADRANT, DAMPER NOT REQUIRED ON RETURN AIR. TAKE-OFF FITTINGS TO BE "BUCKLEY" MODEL ATM & ATMD OR EQUAL. WHERE DUCT HEIGHT REQUIRES A RECTANGULAR TO ROUND TAKE-OFF, UTILIZE A "BUCKLEY" MODEL 3300 & 3300D OR EQUAL.
7. EXHAUST DUCTWORK DOES NOT REQUIRE INSULATION.
8. SOUND ATTENUATION: RETURN AIR BOOTS OPEN TO THE SPACE REQUIRE DUCT LINER FOR SOUND ATTENUATION. REFER TO PLANS FOR RETURN AIR BOOT LOCATIONS.

AIR BALANCE SCHEDULE

UNIT	OUTDOOR AIR (CFM)	EXHAUST (CFM)	REMARKS
EF-1	--	650	--
EF-2	--	2200	--
EF-3	--	525	--
EF-4	--	805	--
EF-5	--	1167	--
EF-6	--	1560	--
EF-7	--	462	--
EF-8	--	850	--
EF-9	--	650	--
EF-10	--	210	--
EF-11	--	210	--
EF-12	--	70	--
EF-13	--	280	--
EF-14	--	280	--
EF-15	--	340	--
AHU-1	484	--	--
AHU-2	300	--	--
AHU-3	300	--	--
AHU-4	--	--	--
AHU-5	224	--	--
AHU-6	10300	--	1
TOTAL	11,608	10,259	

REMARKS:
1. AHU-6 IS A 100% OUTDOOR AIR UNIT THAT SUPPLIES VENTILATION TO ALL MALL AREA AHUs. REFER TO THE AIR HANDLING UNIT SCHEDULE FOR THE AIR FLOW TO INDIVIDUAL AHUs.

ENERGY METER SPECIFICATION

GENERAL
PROVIDE AN ENERGY METER TO MEASURE CHILLED WATER FLOW RATES, TEMPERATURES AND TO RECORD THERMAL ENERGY USAGE. THE UNIT SHALL BE EQUIPPED WITH AN ALPHANUMERIC LCD DISPLAY AND SHALL ALSO BE CONNECTED TO THE FACILITY MANAGEMENT SYSTEM FOR REMOTE VIEWING AND DATA COLLECTION. UNIT SHALL RETAIN MEMORY UPON LOSS OF POWER. UNIT SHALL OPERATE ON 120V POWER AND HAVE A NEMA 4 ENCLOSURE.

ACCURACY
TEMPERATURE SENSING ACCURACY SHALL BE +/- 0.2°F.
FLOW MEASURING ACCURACY SHALL BE +/- 2%.
CALIBRATION SHALL BE NIST CERTIFIED.

COMMUNICATIONS
PROVIDE A NETWORK COMMUNICATIONS CARD FOR INTEGRATION INTO THE FACILITY MANAGEMENT SYSTEM.

ACCESSORIES
PROVIDE ALL FLOW TRANSMITTERS, TEMPERATURE TRANSMITTERS, THERMOWELLS, ETC FOR A COMPLETE ENERGY METERING SYSTEM.

UNIT SHALL BE "ONICON SYSTEM-10" OR ENGINEER APPROVED EQUAL.

SEQUENCE OF OPERATIONS

AHU-1,2,3,5

OCCUPIED MODE: THE OUTDOOR AIR DAMPER SHALL OPEN TO THE SETPOINT (SEE EQUIPMENT SCHEDULE). THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE FAN SPEED SHALL MODULATE AS REQUIRED TO MEET THE SPACE TEMPERATURE SETPOINT. DURING COOLING MODE THE CHILLED WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT. DURING HEATING MODE THE HOT WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT.

UNOCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE ONLY ON A CALL FOR HEATING OR COOLING. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED.

AHU-4,8,10,12,19,

OCCUPIED MODE: THE SUPPLY FAN SHALL RUN CONTINUOUSLY. DURING COOLING MODE THE CHILLED WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. DURING HEATING MODE THE HOT WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

UNOCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

AHU-7,9,13,14,15,20,21

OCCUPIED MODE: THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE 2-SPEED FAN SHALL MODULATE AS REQUIRED TO MEET THE SPACE TEMPERATURE SETPOINT. DURING COOLING MODE THE CHILLED WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT. DURING HEATING MODE THE HOT WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT.

UNOCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

AHU-16,17,18

OCCUPIDE MODE: THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE FAN SPEED SHALL MODULATE AS REQUIRED TO MEET THE SPACE TEMPERATURE SETPOINT. DURING COOLING MODE THE CHILLED WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT. DURING HEATING MODE THE HOT WATER VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT.

UNOCCUPIED MODE: THE SUPPLY FAN SHALL OPERATE ONLY ON A CALL FOR HEATING OR COOLING. THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED.

AHU-6

OCCUPIED MODE: THE UNIT SHALL PROVIDE VENTILATION/MAKEUP AIR FOR THE FOOD SERVICE PORTION OF THE BUILDING YEAR-ROUND. THE SUPPLY FAN SHALL RUN CONTINUOUSLY AND MODULATE AS REQUIRED TO MAINTAIN A POSITIVE BUILDING PRESSURE OF 0.1" (ADJUSTABLE) WITHIN THE MALL SEATING AREA. THE UNIT SHALL CONTAIN A REGENERATIVE LOOP WITHIN THE UNIT. CONTROL OF THE REGENERATIVE LOOP SHALL BE ACHIEVED BY THE FACTORY INSTALLED UNIT CONTROLS. THE LEAVING AIR TEMPERATURE SHALL BE 70° DB YEAR-ROUND. DURING THE COOLING SEASON, THE REHEAT COIL SHALL BE MODULATED AS REQUIRED TO MAINTAIN 70°F DB/59°F WB.

HX-1

THE FLOW ON THE HOT SIDE (BUILDING SIDE) OF THE HEAT EXCHANGER WILL VARY WITH BUILDING CHILLED WATER DEMAND. THE CONTROL VALVE ON THE COLD SIDE (DISTRICT SIDE) OF THE HEAT EXCHANGER SHALL MODULATE AS REQUIRED TO MAINTAIN A 42°F HOT SIDE LEAVING WATER TEMPERATURE. THE ENERGY METER SHALL REPORT/RECORD THERMAL ENERGY USAGE ON THE DISTRICT SIDE OF THE HEAT EXCHANGER.

HWB-1A,1B

EACH BOILER SHALL FIRE AND MODULATE AS REQUIRED TO MAINTAIN THE SYSTEM TEMPERATURE SETPOINT. THE LEAD BOILER SHALL BE CHANGED EVERY 48 HOURS.

P-1

THE PUMP SHALL RUN CONSTANTLY AND THE SPEED SHALL MODULATE AS REQUIRED TO MAINTAIN A CONSTANT DIFFERENTIAL PRESSURE IN THE SYSTEM.

P-2A,2B

ONE PUMP IS A STANDBY PUMP. THE PUMP SHALL RUN CONSTANTLY AND THE SPEED SHALL MODULATE AS REQUIRED TO MAINTAIN A CONSTANT DIFFERENTIAL PRESSURE IN THE SYSTEM. IF THE LEAD PUMP DOES NOT START, THE STANDBY PUMP SHALL START. THE LEAD PUMP SHALL BE CHANGED EVERY 48 HRS.

P-3A,3B

EACH PUMP IS INTERLOCKED WITH THE ASSOCIATED BOILER. WHEN THE BOILER SEQUENCE IS INITIATED THE PUMP SHALL START.

AIR HANDLING UNIT SCHEDULE

MARK	MFR.	CONFIGURATION	MODEL #	SUPPLY FAN AIRFLOW (CFM)	SUPPLY FAN ESP (IN. WC.)	SUPPLY FAN HP	OUTSIDE AIRFLOW (CFM)	COOLING COIL EDB (°F)	COOLING COIL EWB (°F)	COOLING COIL TOTAL CAPACITY (BTU/H)	COOLING COIL EWT (°F)	COOLING COIL LWT (°F)	COOLING COIL GPM	HEATING COIL EDB (°F)	HEATING COIL EWB (°F)	HEATING COIL TOTAL CAPACITY (BTU/H)	HEATING COIL EWT (°F)	HEATING COIL LWT (°F)	HEATING COIL GPM	ELECTRICAL ELEC. (V/PH)	ELECTRICAL MCA	ELECTRICAL MOCP	ACCESSORIES	APPROX. WEIGHT (LB)	REMARKS
AHU-1	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 39x42	3,000	0.5	3	300	80	67	90,000	44	54	20.4	65	52	64,800	120	100	7.3	208/3	--	20	DWC,DS,SPP,PF4,OA,RC,DDC,2WV,SF1	2,800	SINGLE ZONE VAV UNIT
AHU-2	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 30x42	2,000	0.5	3	200	80	67	60,000	44	54	13.6	65	52	43,200	120	100	4.9	208/3	--	20	DWC,DS,SPP,PF4,OA,RC,DDC,2WV,SF1	2,350	SINGLE ZONE VAV UNIT
AHU-3	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 42x57	5,000	0.5	5	584	80	67	150,000	44	54	34.0	65	52	108,000	120	100	12.2	208/3	20.9	35	DWC,DS,SPP,PF4,OA,RC,DDC,2WV,SF1	3,250	SINGLE ZONE VAV UNIT
AHU-4	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-20	600	0.5	0.25(2)	--	75	62	18,000	44	54	4.1	65	52	24,000	120	100	2.7	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF3	260	CONSTANT VOLUME UNITT
AHU-5	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 30x30	1,200	0.5	1.5	224	80	67	36,000	44	54	8.2	65	52	36,000	120	100	4.1	208/1	--	15	DWC,DS,SPP,PF2,OA,RC,DDC,2WV,SF1	2,050	SINGLE ZONE VAV UNIT
AHU-7	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-20	800	0.5	0.25(2)	337*	75	62	24,000	44	54	5.4	65	52	24,000	120	100	2.7	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	260	2-STAGE UNIT
AHU-8	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-08	400	0.4	0.25	--	75	62	12,000	44	54	2.7	65	52	12,000	120	100	1.4	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF3	170	CONSTANT VOLUME UNIT
AHU-9	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-12	800	0.4	0.17(2)	675*	75	62	24,000	44	54	5.4	65	52	17,300	120	100	2.0	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	210	2-STAGE UNIT
AHU-10	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-08	600	0.4	0.25	201*	75	62	18,000	44	54	4.1	65	52	13,000	120	100	1.5	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF3	170	CONSTANT VOLUME UNIT
AHU-11	JOHNSON CONTROLS	HORIZONTAL UNIT	AHI-20	2,000	0.5	1	599*	75	62	60,000	44	54	13.6	65	52	60,000	120	100	6.8	208/3	--	15	DS,SPP,PF2,DDC,2WV,SF1	390	SINGLE ZONE VAV UNIT
AHU-12	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-08	400	0.4	0.25	162*	75	62	12,000	44	54	2.7	65	52	12,000	120	100	1.4	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF3	170	CONSTANT VOLUME UNIT
AHU-13	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-18	800	0.4	0.25(2)	180*	75	62	24,000	44	54	5.4	65	52	17,300	120	100	2.0	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	240	2-STAGE UNIT
AHU-14	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-18	800	0.4	0.25(2)	454*	75	62	24,000	44	54	5.4	65	52	17,300	120	100	2.0	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	240	2-STAGE UNIT
AHU-15	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-18	800	0.4	0.25(2)	242*	75	62	24,000	44	54	5.4	65	52	17,300	120	100	2.0	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	240	2-STAGE UNIT
AHU-16	JOHNSON CONTROLS	HORIZONTAL UNIT	AHI-20	2,400	0.5	2	798*	75	62	72,000	44	54	16.3	65	52	51,800	120	100	5.9	208/3	--	15	DS,SPP,PF2,DDC,2WV,SF1	400	SINGLE ZONE VAV UNIT
AHU-17	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 42x48	4,000	0.5	5	2766*	75	62	120,000	44	54	27.2	65	52	86,400	120	100	9.8	208/3	20.9	35	DWC,DS,SPP,PF4,RC,DDC,2WV,SF1	2,950	SINGLE ZONE VAV UNIT
AHU-18	JOHNSON CONTROLS	ROOFTOP UNIT	SOLUTION 42x48	4,000	0.5	5	2766*	75	62	120,000	44	54	27.2	65	52	86,400	120	100	9.8	208/3	20.9	35	DWC,DS,SPP,PF4,RC,DDC,2WV,SF1	2,950	SINGLE ZONE VAV UNIT
AHU-19	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-08	600	0.4	0.25	383*	75	62	18,000	44	54	4.1	65	52	24,000	120	100	2.7	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF3	160	CONSTANT VOLUME UNIT
AHU-20	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-18	1,200	0.4	0.25(2)	372*	75	62	36,000	44	54	8.2	65	52	36,000	120	100	4.1	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	280	2-STAGE UNIT
AHU-21	JOHNSON CONTROLS	HORIZONTAL UNIT	FNP-18	800	0.4	0.25(2)	363*	75	62	24,000	44	54	5.4	65	52	17,300	120	100	2.0	120/1	--	20	DS,SPP,PF2,DDC,2WV,SF2	240	2-STAGE UNIT

GENERAL NOTES
1. ALL COILS SHALL BE SELECTED FOR A 25% ETHYLENE GLYCOL SOLUTION.
2. WATER PRESSURE DROP ACROSS ANY COIL SHALL NOT EXCEED 15 FT. W.C.
3. EXCEPT WHERE INDICATED OTHERWISE IN THIS SCHEDULE, ALL 2-WAY CONTROL VALVES SHALL BE BELIMO MODEL PICCV 2-WAY VALVES. EACH VALVE SHALL HAVE A METAL TAG ATTACHED WITH THE CORRESPONDING AHU # STAMPED IN IT. REFER TO THE CONTROL VALVE DETAILS FOR ADDITIONAL REQUIREMENTS.
4. REFER TO THE PIPING DRAWINGS TO DETERMINE UNIT PIPING ARRANGEMENT (RIGHT-HAND OR LEFT-HAND).
5. REFER TO THE CONTROL DIAGRAMS FOR CONTROL REQUIREMENTS.
6. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

* OUTDOOR AIR FOR THIS UNIT IS PRE-CONDITIONED AND DELIVERED FROM A DEDICATED OUTDOOR AIR UNIT (AHU-6). BALANCE AIR FLOW TO THE SCHEDULED AMOUNT.

ABBREVIATIONS
- DWC: DOUBLE-WALL CABINET
- DS: FACTORY INSTALLED FUSED DISCONNECT SWITCH
- SPP: SINGLE POINT POWER CONNECTION
- PF2: PLEATED 2" MERV 13 FILTERS
- PF4: PLEATED 4" MERV 13 FILTERS
- OA: MOTORIZED OUTDOOR AIR DAMPER W/MODULATING CONTROL
- RC: ROOF CURB (INSULATED, 18" TALL)
- DDC: UNIT CONTROLLER (DDC)
- 2WV: PRESSURE-INDEPENDENT, FULLY MODULATING 2-WAY CONTROL VALVE (BELIMO PICCV)
- SF1: SUPPLY FAN MOTOR W/VARIABLE FREQUENCY DRIVE
- SF2: TWO-SPEED SUPPLY FAN MOTOR
- SF3: SINGLE-SPEED SUPPLY FAN MOTOR

DEDICATED OUTDOOR AIR UNIT SCHEDULE

MARK	MFR.	CONFIGURATION	MODEL #	SUPPLY FAN AIRFLOW (CFM)	SUPPLY FAN ESP (IN. WC.)	SUPPLY FAN HP	E.A.T. (SUMMER) EDB (°F)	E.A.T. (SUMMER) EWB (°F)	E.A.T. (WINTER) EDB (°F)	E.A.T. (WINTER) %RH	COOLING CONDITIONS LDB (°F)	COOLING CONDITIONS LWB (°F)	COOLING CONDITIONS EWT (°F)	COOLING CONDITIONS GPM	COOLING CONDITIONS COOLING CAPACITY (BTU/H)	COOLING CONDITIONS REHEAT CAPACITY (BTU/H)	HEATING CONDITIONS LDB (°F)	HEATING CONDITIONS EWT (°F)	HEATING CONDITIONS GPM	HEATING CONDITIONS COOLING CAPACITY (BTU/H)	ELECTRICAL ELEC. (V/PH)	ELECTRICAL MCA	ELECTRICAL MOCP	ACCESSORIES	APPROX. WEIGHT (LB)	REMARKS
AHU-6	SENSIBLE EQUIPMENT CO.	ROOFTOP UNIT	CAH023GDAM	10,300	0.5	10	96	77	22	50	52	52	44	195	918,800	207,000	70	140	68	537,000	208/3	51.3	60	DWC,DS,SPP,PF4,OA4,RC,DDC,2WV,SF1	8,000	DEDICATED OUTDOOR AIR UNIT

GENERAL NOTES
1. ALL COILS SHALL BE SELECTED FOR A 25% ETHYLENE GLYCOL SOLUTION.
2. WATER PRESSURE DROP ACROSS ANY COIL SHALL NOT EXCEED 15 FT. W.C.
3. THE CHILLED WATER AND HOT WATER CONTROL VALVES SHALL BE BELIMO MODEL PICCV 2-WAY VALVES.
4. REFER TO THE PIPING DIAGRAMS FOR COIL PIPING AND VALVE ARRANGEMENT.
5. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ABBREVIATIONS
- DWC: DOUBLE-WALL CABINET
- DS: FACTORY INSTALLED FUSED DISCONNECT SWITCH
- SPP: SINGLE POINT POWER CONNECTION
- PF2: PLEATED 2" MERV 13 FILTERS
- PF4: PLEATED 4" MERV 13 FILTERS
- OA1: 0-50% MOTORIZED OUTDOOR AIR DAMPER
- OA2: ECONOMIZER (ENTHALPY BASED) WITH BAROMETRIC RELIEF DAMPER
- OA3: ECONOMIZER (ENTHALPY BASED) WITH VFD EXHAUST FAN
- OA4: 0-100% MOTORIZED OUTDOOR AIR DAMPER
- RC: ROOF CURB (INSULATED, 18" TALL)
- DDC: UNIT CONTROLLER (DDC)
- 2WV: PRESSURE-INDEPENDENT, FULLY MODULATING 2-WAY CONTROL VALVES (BELIMO PICCV)
- SF1: SUPPLY FAN MOTOR W/VARIABLE FREQUENCY DRIVE

HYDRONIC BOILER SCHEDULE

MARK	MFR.	MODEL NO.	DESCRIPTION	NAT. GAS (BTU/H) INPUT	NAT. GAS (BTU/H) OUTPUT	THERMAL EFFICIENCY	E.W.T. (°F)	L.W.T. (°F)	FLOW (GPM)	MAX. P.D. (FT. W.G.)	FLUID	ELECTRICAL (V/PH)	REMARKS
HWB-1A,1B	LAARS	NTH-750	HIGH-EFFICIENCY CONDENSING BOILER	750,000	723,000	96%	100	125	66	12	25% E.G.	120/1	SEALED COMBUSTION/POWER VENTED

NOTES:
1. FEATURES: STAINLESS STEEL HEAT EXCHANGER, 5:1 TURNDOWN, DIRECT SPARK IGNITION, LOW FLOW SWITCH, HIGH LIMIT SWITCH, PRESSURE RELIEF VALVE, REMOTE TANK TEMPERATURE SENSOR.
2. CONTROLS: ELECTRONIC BOILER CONTROL PANEL WITH MANUAL LWT ADJUSTMENT, AUTOMATIC LWT RESET FOR LOW OUTDOOR AIR TEMPERATURE, AUTO LEAD/LAG ROTATION, LCD DISPLAY, STATUS AND ALARM LEDs, BOILER PUMP CONTROL (ON/OFF).

PUMP SCHEDULE

MARK	MANUFACTURER	MODEL NO.	DESCRIPTION	FLOW (GPM)	HEAD (FT W.G.)	RPM	FLUID	MOTOR (HP)	ELECTRICAL (V/PH)	ACCESSORIES	REMARKS
P-1	ARMSTRONG	4030 5x4x10	BASE-MOUNTED PUMP	503	55	1800	25% E.G.	10	208/3	SG,IDM,VFD	BUILDING CHILLED WATER PUMP
P-2A,2B	ARMSTRONG	4030 3x2x8	BASE-MOUNTED PUMP	155	35	1800	25% E.G.	3	208/3	SG,IDM,VFD	BUILDING HOT WATER PUMP & STANDBY PUMP
P-3A,3B	ARMSTRONG	1050 1-1/2B	IN-LINE CIRCULATOR	66	15	1800	25% E.G.	1/2	208/3	--	BOILER PUMPS

NOTES:
1. REFER TO THE PUMP DETAILS FOR ADDITIONAL INFORMATION.

ABBREVIATIONS
- SG: SUCTION GUIDE W/STARTUP STRAINER
- IDM: INVERTER DUTY PUMP MOTOR
- VFD: VARIABLE FREQUENCY DRIVE W/DISCONNECT SWITCH AND MANUAL BYPASS

HEAT EXCHANGER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	DESCRIPTION	HOT SIDE FLUID	HOT SIDE E.W.T. (°F)	HOT SIDE L.W.T. (°F)	HOT SIDE FLOW (GPM)	HOT SIDE MAX. P.D. (FT. W.G.)	COLD SIDE FLUID	COLD SIDE E.W.T. (°F)	COLD SIDE L.W.T. (°F)	COLD SIDE FLOW (GPM)	COLD SIDE MAX. P.D. (FT. W.G.)	HEAT TRANSFERRED (BTU/H)	REMARKS
HX-1	ARMSTRONG	S-66-2000-187	PLATE HEAT EXCHANGER	25% E.G.	54	44	453	25	WATER	42	52	400	20	2,162,000	--

UNIT CONSTRUCTION
- DESIGN PRESSURE: 150 PSI
- PLATE MATERIAL: TYPE 304 STAINLESS STEEL
- FRAME MATERIAL: CARBON STEEL
- PIPING CONNECTIONS: FLANGED

HEAT RECOVERY CHILLER SCHEDULE

MARK	MFR.	MODEL NO.	DESCRIPTION	EVAPORATOR E.F.T. (°F)	EVAPORATOR L.F.T. (°F)	EVAPORATOR FLUID	EVAPORATOR FLOW (GPM)	EVAPORATOR MAX. P.D. (FT. W.G.)	CONDENSER E.F.T. (°F)	CONDENSER L.F.T. (°F)	CONDENSER FLUID	CONDENSER FLOW (GPM)	CONDENSER MAX. P.D. (FT. W.G.)	CONDENSER CAPACITY (BTU/H)	HEATING EFFICIENCY C.O.P.@ OPERATING CONDITIONS	ELECTRICAL V/PH	ELECTRICAL MCA	ELECTRICAL MOCP	ACCESSORIES	REMARKS
HRC-1A,1B	KUBE SOLUTIONS	EKS180	PACKAGED HEAT RECOVERY CHILLER	44	41	25% E.G.	45	25	125	130	WATER	45	35	115,000	2.8	208/3	46.8	70	UMP,DS,IC,SV	--

NOTES:
1. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS

ABBREVIATIONS
- UMP: UNIT MOUNTED PUMP (CONDENSER SIDE)
- DS: FACTORY INSTALLED FUSED DISCONNECT SWITCH
- IC: INTEGRAL CONTROLLER WITH LCD DISPLAY FOR SYSTEM STATUS AND PROGRAMMING
- SV: NORMALLY CLOSED SOLENOID VALVE (EVAPORATOR SIDE)

HEAT TRANSFER FLUID

THE BUILDING CHILLED WATER AND BOILER PIPING SYSTEMS SHALL EACH BE FLUSHED AND FILLED WITH A SOLUTION OF 75% WATER AND 25% INHIBITED ETHYLENE GLYCOL. THE ENTIRE VOLUME OF FLUID REQUIRED FOR EACH SYSTEM SHALL BE PROVIDED UNDER THIS CONTRACT. ETHYLENE GLYCOL SHALL BE DOWTHERM SR-1 OR APPROVED EQUAL.

EXCHANGE™

REVISION NO. & DESCRIPTION	DATE

LAROSE & SCHOBER
3015 S. FORT AVE. SUITE D
SPRINGFIELD, MO 65807
PHONE 417.881.1566
FAX 417.881.8390
LAROSE-SCHOBER.COM
MO Cert. of Auth. #2002018768

SOLICITATION DOCUMENTS

DRAWN BY: LSE

CHECKED BY: LSE

DATE: –

morris+associates
Build on Our Strengths
12715 TELGE ROAD
CYPRESS, TX 77429

PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE: HVAC SCHEDULES

DATE: 6/8/12

SHEET: M3.01

DRAWING/PROJECT NO.: 0530-06-000005

KITCHEN HOOD SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	SIZE (LxWxH)	EXHAUST (CFM)	EXHAUST PRESS. DROP (INCHES W.G.)	SUPPLY (CFM)	SUPPLY PRESS. DROP (INCHES W.G.)	APPROX. WEIGHT (LB)	ACCESSORIES	REMARKS
KH-1	TYPE 1, CANOPY	CAPTIVE AIRE	6024ND-2	52"x60"x24"	650	0.3	--	--	400	TEP,VSF	DUNKIN DONUTS HOOD. UTILITY CABINET ON RIGHT SIDE.
KH-2	TYPE 1, CANOPY	CAPTIVE AIRE	5424ND-2	132"x54"x24"	2,200	1.0	--	--	700	LF,TEP,VSF	CHARLEYS HOOD. UTILITY CABINET ON WALL (SEE PLAN). BACK OF HOOD TO BE FINISHED.
KH-3	TYPE 1, CANOPY	CAPTIVE AIRE	5424ND-2	45"x54"x24"	525	0.4	--	--	350	TEP,VSF	SUBWAY HOOD. UTILITY CABINET ON LEFT SIDE.
KH-4	TYPE 1, CANOPY	CAPTIVE AIRE	5424ND-2	69"x54"x24"	805	0.6	--	--	450	QP,LF,TEP,BS,VSF	ANTHONYS HOOD. UTILITY CABINET ON RIGHT SIDE.
KH-5	TYPE 1, CANOPY	CAPTIVE AIRE	4224ND-2	100"x42"x24"	1,167	0.6	--	--	450	QP,LF,TEP,BS,VSF	TACO BELL HOOD. UTILITY CABINET ON LEFT SIDE.
KH-6	TYPE 1, LOW PROXIMITY	HALTON	GL-L	113-1/2"x26"x55-1/4"	1,560	0.5	--	--	--	--	POPEYES FRYER HOOD. UTILITY CABINET ON WALL. CONTACT ACTION AIR 678-893-0089.
KH-7	TYPE 1, CANOPY	CAPTIVE AIRE	4224ND-2	37"x42"x24"	462	0.4	--	--	210	TEP,VSF	POPEYES OVEN HOOD. UTILITY CABINET ON RIGHT SIDE.
KH-8	TYPE 1, CANOPY (BURGER KING)	GAYLORD	PG-ND-AB-39-(BK-NA-FH-5-7)	--	850	--	--	--	450	--	BURGER KING FRYER HOOD. REFER TO BURGER KING SPECIFIC DETAILS AND SCHEDULES FOR HOOD SPECS.
KH-9	TYPE 1, CANOPY (BURGER KING)	GAYLORD	XG-ND-BDL-PM-OB-43-(BK-NA-BOH-7-7)	--	650	--	--	--	550	--	BURGER KING BROILER HOOD. REFER TO BURGER KING SPECIFIC DETAILS AND SCHEDULES FOR HOOD SPECS.

NOTES:

1. TYPE 1 HOODS: HOODS SHALL COMPLY WITH U.L. 710 STANDARDS AND BE CONSTRUCTED IN ACCORDANCE WITH NFPA 96. HOODS SHALL BE CONSTRUCTED OF WELDED, LIQUID-TIGHT 18 GAUGE TYPE 430 STAINLESS STEEL. HOODS EQUIPMENT SHALL INCLUDE THE FOLLOWING: ALUMINUM GREASE FILTERS W/DRAIN, PRE-ENGINEERED WET CHEMICAL TYPE FIRE SUPPRESSION SYSTEM W/REMOTE PULL STATION AND SYSTEM ACTIVATED AUTOMATIC GAS VALVE, UTILITY CABINET CONTAINING FIRE SUPPRESSION, MOTOR STARTERS AND CONTROL DEVICES.
2. EXHAUST SYSTEM ENERGY MANAGEMENT SYSTEM (EMS): EACH HOOD PACKAGE (EXCEPT BURGER KING HOODS) SHALL BE EQUIPPED WITH AN EMS THAT AUTOMATICALLY MODULATES THE EXHAUST FAN SPEED BASED ON THE TEMPERATURE OF THE EXHAUST AIR STREAM.

ABBREVIATIONS

QP: QUARTER END PANELS
LF: LIGHT FIXTURES (COMPACT FLUORESCENT)
TEP: TOP ENCLOSURE PANELS (430 SS)
BS: BACKSPLASH (430 SS)
SS: SIDESPLASHES (430 SS)
VSF: VARIABLE SPEED FAN CONTROLS (AUTOMATIC)

SEQUENCE OF OPERATIONS:

1. ACTIVATION OF THE FIRE SUPPRESSION SYSTEM SHALL CLOSE THE COOKLINE GAS VALVE.
2. EXHAUST FANS SHALL BE ENERGIZED BY A SWITCH W/PILOT LIGHT INTEGRAL TO THE UTILITY CABINET.

FAN SCHEDULE

MARK	MFR.	MODEL NO.	TYPE	DRIVE TYPE	AIRFLOW (CFM)	ESP (IN.WC.)	MOTOR (HP)	RPM (MAX)	ELEC. (V/PH)	WEIGHT (LB.)	ACCESSORIES	REMARKS
EF-1	CAPTIVE AIRE	NCA8FA	ROOF-MTD. GREASE EXHAUST	BELT	650	1.0	0.5	1,600	208/3	90	DS,VFD,GB,HK,VRC	DUNKIN DONUTS EXHAUST FAN
EF-2	CAPTIVE AIRE	NCA16HPFA	ROOF-MTD. GREASE EXHAUST	BELT	2,200	1.6	1.5	1,400	208/3	160	DS,VFD,GB,HK,VRC	CHARLEYS EXHAUST FAN
EF-3	CAPTIVE AIRE	NCA8FA	ROOF-MTD. GREASE EXHAUST	BELT	525	0.6	0.5	1,300	208/3	90	DS,VFD,GB,HK,VRC	SUBWAY EXHAUST FAN
EF-4	CAPTIVE AIRE	NCA8FA	ROOF-MTD. GREASE EXHAUST	BELT	805	0.8	0.5	1,600	208/3	90	DS,VFD,GB,HK,VRC	ANTHONYS EXHAUST FAN
EF-5	CAPTIVE AIRE	NCA10FA	ROOF-MTD. GREASE EXHAUST	BELT	1,167	0.9	0.5	1,400	208/3	100	DS,VFD,GB,HK,VRC	TACO BELL EXHAUST FAN
EF-6	HALTON	BDU18HP	ROOF-MTD. GREASE EXHAUST	DIRECT	1,560	1.5	1	1,300	120/1	190	DS,GB,HK,VRC	POPEYES FRYER EXHAUST FAN. CONTACT ACTION AIR 678-893-0089.
EF-7	CAPTIVE AIRE	NCA8FA	ROOF-MTD. GREASE EXHAUST	BELT	462	0.6	0.5	1,400	208/3	90	DS,VFD,GB,HK,VRC	POPEYES OVEN EXHAUST FAN
EF-8	COOK	100 CPS-BK	ROOF-MTD. GREASE EXHAUST	BELT	850	0.75	0.75	2,200	208/1	200	DS,GB,HK,RC,CC,IB	BURGER KING FRYER EXHAUST FAN
EF-9	COOK	100 CPS-BK	ROOF-MTD. GREASE EXHAUST	BELT	650	0.5	0.75	2,200	208/1	200	DS,GB,HK,RC,CC,IB	BURGER KING BROILER EXHAUST FAN
EF-10,11	COOK	100C10DH	ROOF-MTD. EXHAUST	DIRECT	210	0.25	70W	1200	120/1	50	DS,MBD,RC,SC	--
EF-12	COOK	70C15DH	ROOF-MTD. EXHAUST	DIRECT	70	0.25	60W	1200	120/1	40	DS,MBD,RC,SC	--
EF-13,14	COOK	100C10DH	ROOF-MTD. EXHAUST	DIRECT	280	0.25	80W	1200	120/1	50	DS,MBD,RC,SC	--
EF-15	COOK	100C10DH	ROOF-MTD. EXHAUST	DIRECT	340	0.25	90W	1200	120/1	50	DS,MBD,RC,SC	--
EF-16,17,18	COOK	GC-142	CLG.-MTD. EXHAUST	DIRECT	75	0.25	54W	1,000	120/1	15	IG,BD,SC	--

NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. REFER TO BURGER KING SPECIFIC DETAILS & SCHEDULES FOR ADDITIONAL REQUIREMENTS ON FANS EF-8 & EF-9.

ABBREVIATIONS

BD: BACKDRAFT DAMPER
MBD: MOTORIZED BACKDRAFT DAMPER
DS: FACTORY INSTALLED DISCONNECT SWITCH
SC: FACTORY INSTALLED SOLID STATE SPEED CONTROLLER
VFD: VARIABLE FREQUENCY DRIVE
GB: OUTDOOR GREASE BOX
HK: HINGE KIT
RC: FACTORY ROOF CURB
VRC: VENTED FACTORY ROOF CURB
CC: CURB CAP
IB: INLET BOX
IG: INLET GRILLE

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL #	FUNCTION	MOUNTING	DAMPER	MATERIAL	FINISH	REMARKS
S1	DOUBLE DEFLECTION GRILLE	KRUEGER	5885V	SUPPLY	DUCT	NO	ALUMINUM	ALUMINUM	2,3
S2	LOUVERED RECT. DIFFUSER-ROUND NECK	KRUEGER	5SHR	SUPPLY	LAY-IN	NO	ALUMINUM	WHITE	--
S3	FIXED LOUVERED GRILLE	KRUEGER	5815	SUPPLY	SURFACE	NO	ALUMINUM	ALUMICAN	2,3
S4	LOUVERED RECT. DIFFUSER-ROUND NECK	KRUEGER	5SHR	SUPPLY	SURFACE	NO	ALUMINUM	WHITE	--
S5	PERFORATED GRILLE-ROUND NECK	KRUEGER	56600	SUPPLY	LAY-IN	NO	ALUMINUM	WHITE	--
R1	PERFORATED GRILLE-ROUND NECK	KRUEGER	56690	RETURN	LAY-IN	NO	ALUMINUM	WHITE	--
R2	FIXED LOUVERED GRILLE	KRUEGER	5810	RETURN	SURFACE	NO	ALUMINUM	ALUMICAN	7
R3	PERFORATED GRILLE-ROUND NECK	KRUEGER	56690	RETURN	SURFACE	NO	ALUMINUM	WHITE	--
E1	PERFORATED GRILLE-ROUND NECK	KRUEGER	56690	EXHAUST	LAY-IN	NO	ALUMINUM	WHITE	--
E2	PERFORATED GRILLE-ROUND NECK	KRUEGER	56690	EXHAUST	SURFACE	NO	ALUMINUM	WHITE	--
T1	FIXED LOUVERED DOOR GRILLE	KRUEGER	600A	TRANSFER	DOOR	NO	STEEL	WHITE	INSTALL 10" FROM BOTTOM OF DOOR

GENERAL NOTES

1. DAMPERS SHALL BE THE OPPOSED BLADE TYPE.
2. DAMPERS ARE INTENDED FOR USE BY THE TENANT AND ARE NOT TO BE USED FOR INITIAL BALANCING.
3. LAY-IN DIFFUSERS ARE 4-WAY UNLESS INDICATED OTHERWISE ON PLAN.
4. PROVIDE PANEL TO MAKE LAY-IN DIFFUSER EQUAL IN SIZE TO LAY-IN CEILING GRID WHERE APPLICABLE.
5. PROVIDE SQUARE TO ROUND ADAPTER WHERE REQUIRED.

REMARKS

1. HORIZONTAL FRONT BLADES.
2. VERTICAL FRONT BLADES.
3. 1/2" BLADE SPACING.
4. 15° BLADE DEFLECTION
5. 0° BLADE DEFLECTION
6. 1" FILTER FRAME
7. SQUARE EDGED FRAME

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER
PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

DATE	REVISION NO. & DESCRIPTION

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
HVAC SCHEDULES

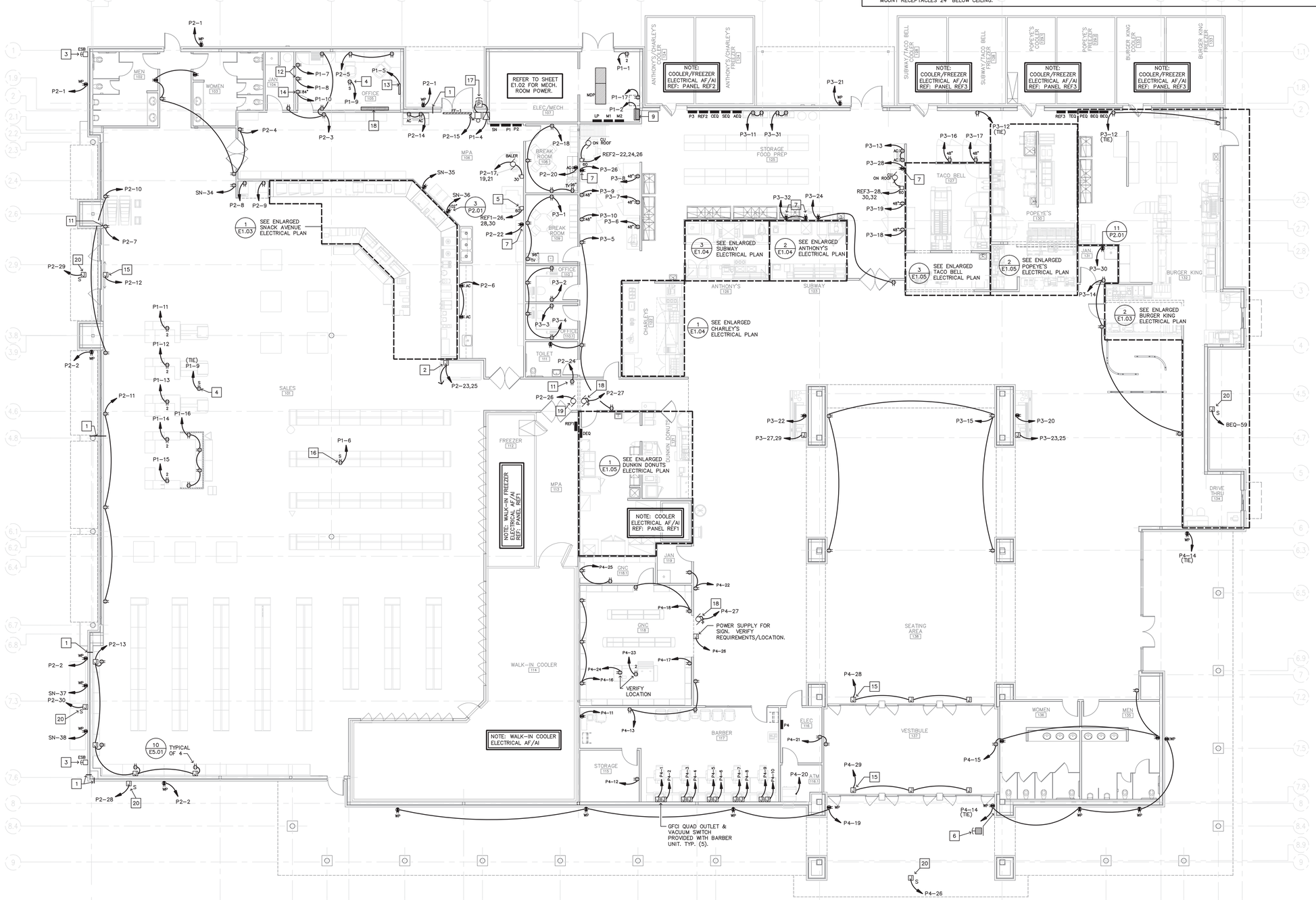
DATE: 6/8/12
SCALE:
SHEET: M3.02
DRAWING/PROJECT NO: 0530-06-000005

PLAN NOTES

1. 3/4"C. SLEEVE FOR AF/AI CAMERA CABLES 12'-6" AFF. CAP BOTH ENDS.
2. AF/CI REACH-IN UNIT. ROUTE (4)#12'S TO REMOTE CU AT ROOF (EVAP FAN AND DEFROST).
3. OUTLET BOX FOR FUTURE EMERGENCY STOP BUTTON. LOCATE 48" AFF AND EXTEND 3/4" CONDUIT TO LOCATION OF FUTURE "PETRO POER CENTER".
4. RECEPTACLE FOR SECURITY CAMERA POWER. VERIFY LOCATION & QUANTITY OF RECEPTACLES WITH AAFES.
5. AF/CI ICE MACHINE. PROVIDE 60A, 3P NON-FUSED DISCONNECT AND MAKE FINAL CONNECTIONS. COORDINATE EXACT LOCATION OF DISCONNECT WITH ICE MACHINE EQUIPMENT BEING PROVIDED.
6. WALL BOX FOR PUSHBUTTON DOOR CONTROLLER. COORDINATE ROUGH-IN W/EQUIPMENT SUPPLIER.
7. RECEPTACLE FOR WATER FILTER SYSTEM. SEE DETAIL 8/P2.01 AND COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
8. NOT USED
9. FIRE ALARM CONTROL PANEL. SEE 3/E5.02.
10. NOT USED
11. RECEPTACLE FOR EAS SYSTEM. SEE 13/E5.01.
12. DUPLEX RECEPTACLES FOR CPI MEGA-FRAME CABINET, NETWORK EQUIPMENT, POS BACK OFFICE SERVERS, MODEMS, UPS EQUIPMENT AND OTHER MISCELLANEOUS ELECTRONIC EQUIPMENT FURNISHED AND INSTALLED BY AAFES. MOUNT RECEPTACLES 24" BELOW CEILING.
13. SECURITY SYSTEM CONTROL PANEL. SEE E3.02, 2/E5.02.
14. DUPLEX RECEPTACLE FOR AUDIO SYSTEM RECEIVER
15. POWER SUPPLY FOR AUTOMATIC DOORS. VERIFY LOCATION.
16. WIRELESS ACCESS POINT POWER SUPPLY. VERIFY LOCATION WITH AAFES.
17. DOOR BELL SYSTEM, SEE 11/E5.01.
18. ROLL UP DOOR OPERATOR. WIRE TO KEY SWITCH AS REQUIRED.
19. ROLL UP FIRE CURTAIN.
20. POWER SUPPLY FOR EXTERIOR BUILDING SIGN. FIELD VERIFY EXACT MOUNTING HEIGHT AND LOCATION.

NOTE

REFER TO SITE UTILITY PLAN FOR LOCATION OF WATER & FIRE SERVICE "HOT BOXES".



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

PROJECT NORTH

EXCHANGE™

STATE OF MISSOURI
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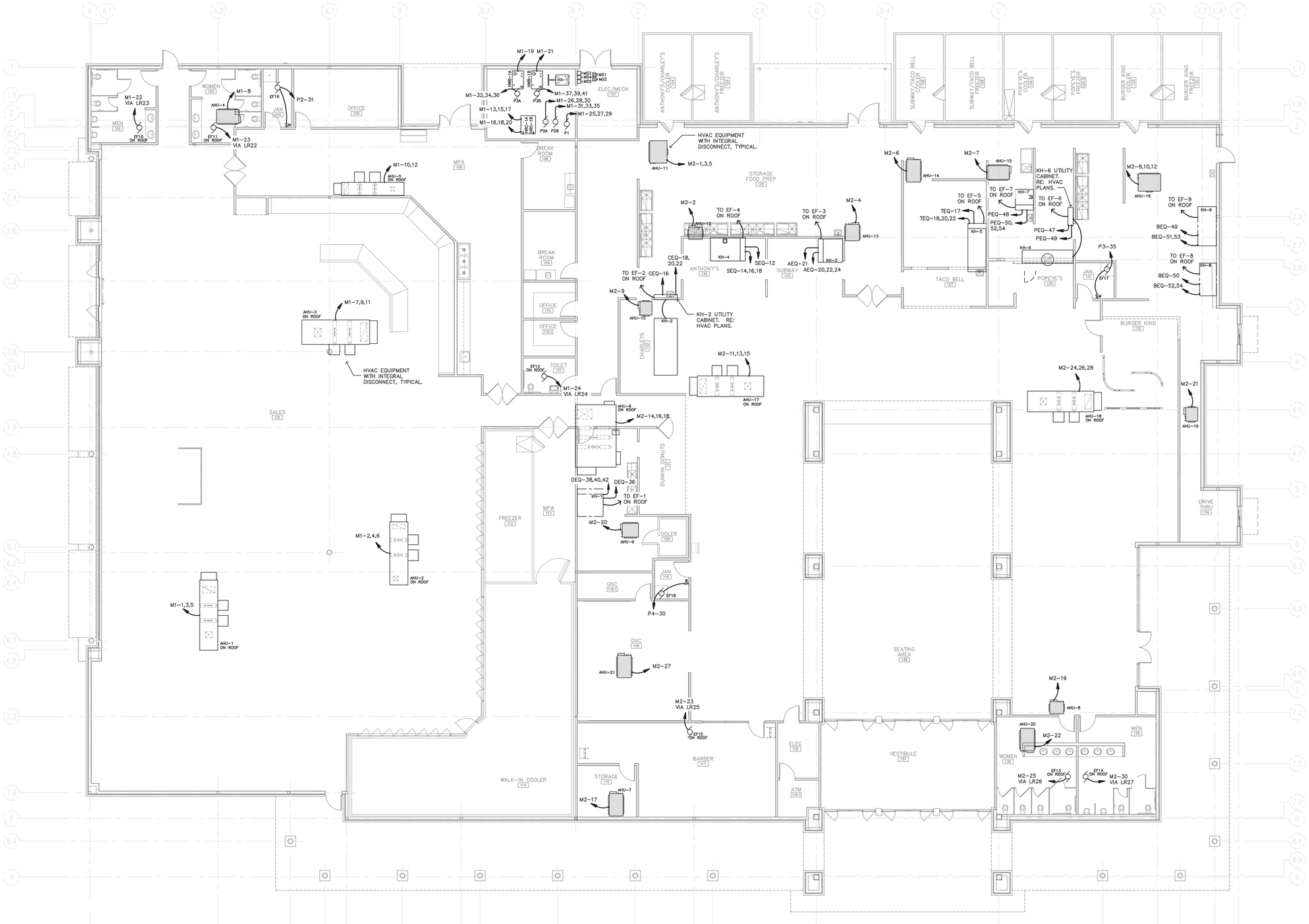
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
POWER PLAN

DATE: 6/8/12
SCALE:
SHEET: E1.01
DRAWING/PROJECT NO: 0530-06-000005



HVAC SYSTEMS POWER PLAN

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

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

HVAC SYSTEMS POWER PLAN

DATE: 6/8/12

SCALE:

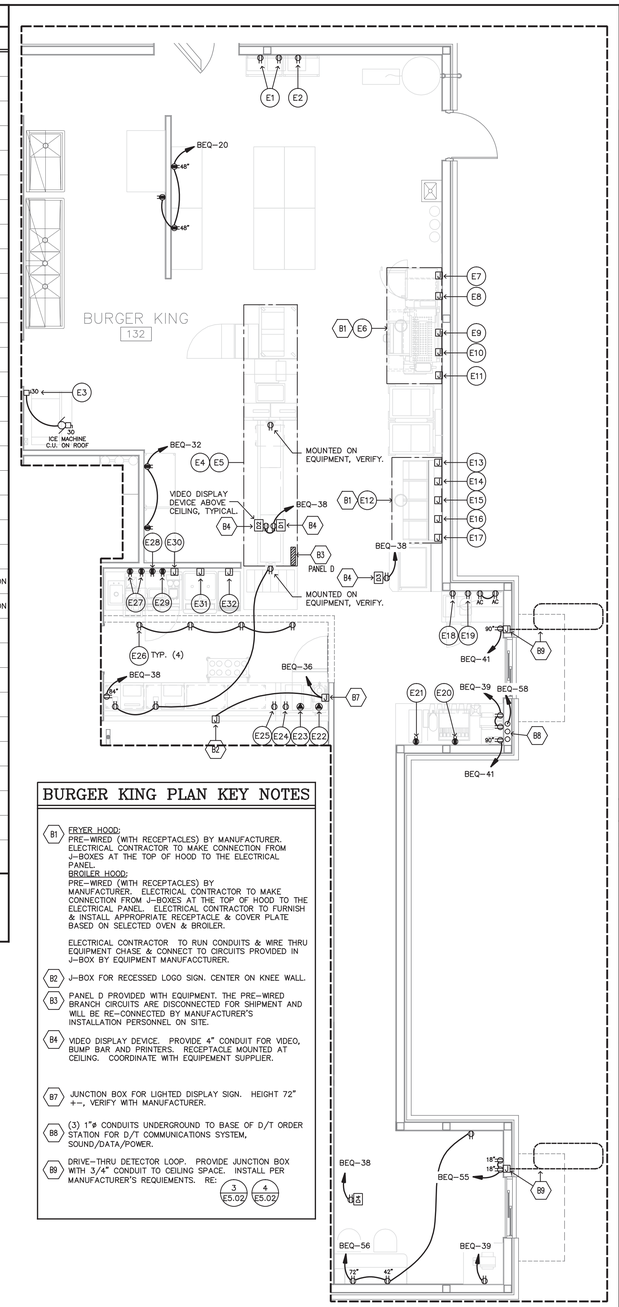
SHEET: E1.02

DRAWING/PROJECT NO: 0530-06-000005

BURGER KING EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E1	CARBONATOR	B41	120V, 1ø, 6.2A	RECEPTACLE, VERIFY HEIGHT	BEQ-3	–
E2	CARBONATOR	B10	120V, 1ø, 6.2A	RECEPTACLE, VERIFY HEIGHT	BEQ-1	–
E3	ICE MACHINE	B14	208V, 3ø	DISCONNECT 60" A.F.F.	BEQ-40, 42,44	WIRE FROM ICE MACHINE TO CONDENSER ON ROOF.
E4	MAIN PREP BOARD	–	120/208V, 3ø 100A	100A M.L.O. PANEL BY K.E.S.	–	NOTE #3
E5	DISPLAY DEVICES	–	120V, 1ø, 1.5A	VERIFY LOCATION	BEQ-15	NOTE #2
E6	BROILER HOOD	B21C	–	REFER TO NOTE 'B1'	–	REFER TO HVAC HOOD DETAILS
E7	BISCUIT HOLDING CABINET	B29	120V, 1ø, 7.5A	POWER SUPPLY POINT AT BROILER HOOD	BEQ-24	–
E8	BISCUIT OVEN	B28	208v, 3ø, 27.0A	POWER SUPPLY POINT AT BROILER HOOD	BEQ-23, 25,27	–
E9	BATCH BROILER-NAT. GAS	B21	120V, 1ø, 2.0A	POWER SUPPLY POINT AT BROILER HOOD	BEQ-17	–
E10	MEAT FREEZER	B22	120V, 1ø, 6.8A	POWER SUPPLY POINT AT BROILER HOOD	BEQ-19	–
E11	SPARE RECEPTACLE	–	120V	POWER SUPPLY POINT AT BROILER HOOD	BEQ-18	–
E12	FRYER HOOD	B21B	–	REFER TO NOTE 'B1'	–	REFER TO HVAC HOOD DETAILS
E13	MEAT FREEZER	B22	120V, 1ø, 6.8A	POWER SUPPLY POINT AT FRYER HOOD	BEQ-16	–
E14	FRY FREEZER	B22.1	120V, 1ø, 5.7A	POWER SUPPLY POINT AT FRYER HOOD	BEQ-14	–
E15	FRYER FILTER	B25	120V, 1ø, 7.5A	POWER SUPPLY POINT AT FRYER HOOD	BEQ-21	–
E16	PRODUCT HOLDING CABINET-FRY DUMP	B23	208V, 1ø, 11.5A	POWER SUPPLY POINT AT FRYER HOOD	BEQ-8,10	–
E17	FRY HOLDING STATION	B24	120V, 1ø, 21.0A	POWER SUPPLY POINT AT FRYER HOOD	BEQ-22	–
E18	UNDERCOUNTER REFRIGERATOR	B7.1	120V, 1ø, 3.0A	RECEPTACLE 24" A.F.F.	BEQ-26	–
E19	MILK DISPENSER	B7.2	120V, 1ø, 1.2A	RECEPTACLE 24" A.F.F.	BEQ-28	–
E20	8V SODA MACHINE (DRIVE-THRU)	B11	120V, 1ø, 5.3A	RECEPTACLE 24" A.F.F.	BEQ-2	–
E21	2V JUICER	–	120V, 1ø	RECEPTACLE 24" A.F.F.	BEQ-28	–
E22	COFFEE/TEA BREWER	B99.1	208V, 1ø, 17.5A	RECEPTACLE 24" A.F.F.	BEQ-11,13	CONFIRM RECEPTACLE CONFIGURATION
E23	FUTURE COFFEE MACHINE	B99.3	208V, 1ø, 17.5A	RECEPTACLE 24" A.F.F.	BEQ-46,48	CONFIRM RECEPTACLE CONFIGURATION
E24	UNDERCOUNTER REFRIGERATOR	B34	120V, 1ø, 4.5A	RECEPTACLE 24" A.F.F.	BEQ-30	–
E25	SAFE	–	120V, 1ø, 1.0A	RECEPTACLE 24" A.F.F.	BEQ-34	–
E26	DIGITAL MENU BOARD	B57	120V, 1ø	RECEPTACLE, VERIFY HEIGHT/LOCATION	BEQ-35	–
E27	BLENDER	B43	120V, 1ø	RECEPTACLE 48" A.F.F.	BEQ-29 BEQ-31	–
E28	COUNTERTOP CHILLER	B40	120V, 1ø	RECEPTACLE 48" A.F.F.	BEQ-37	–
E29	UNDERCOUNTER REFRIGERATOR	B34	120V, 1ø, 3.1A	RECEPTACLE 24" A.F.F.	BEQ-33	–
E30	HOT TOPPING DIPPER	B42	120V, 1ø, 0.8A	J-BOX, VERIFY HEIGHT	BEQ-37	–
E31	SOFT-SERVE/SHAKE MACHINE	B13	208V, 3ø, 45.0A	J-BOX, VERIFY HEIGHT	BEQ-5,7,9	–
E32	FROZEN DRINK MACHINE	B12	208V, 3ø, 13.0A	J-BOX, VERIFY HEIGHT	BEQ-4,6	–

NOTES:
1. CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.
2. KITCHEN MINDER; KITCHEN MINDER GRADE; DRIVE-THRU TIMERS; LEVEL LIGHT; & CLOCK. LOCATE KITCHEN MINDER ON MAIN PREP BOARD FACING FRYERS. KITCHEN MINDER GRADE, D.T. TIMERS, LEVEL LIGHT AND CLOCK TO BE CEILING MOUNTED. CENTER DEVICES ON MAIN PREP BOARD OVER TOASTERS, FACING FRONT SERVICE COUNTER.
3. PANEL 'D' PROVIDED BY EQUIPMENT MANUFACTURER. ALL 120 VOLT RECEPTACLES SUPPLIED BY PANEL 'D' SHALL BE GFCI.



BURGER KING PLAN KEY NOTES

B1 FRYER HOOD:
PRE-WIRED (WITH RECEPTACLES) BY MANUFACTURER. ELECTRICAL CONTRACTOR TO MAKE CONNECTION FROM J-BOXES AT THE TOP OF HOOD TO THE ELECTRICAL PANEL.
BROILER HOOD:
PRE-WIRED (WITH RECEPTACLES) BY MANUFACTURER. ELECTRICAL CONTRACTOR TO MAKE CONNECTION FROM J-BOXES AT THE TOP OF HOOD TO THE ELECTRICAL PANEL. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL APPROPRIATE RECEPTACLE & COVER PLATE BASED ON SELECTED OVEN & BROILER.

ELECTRICAL CONTRACTOR TO RUN CONDUITS & WIRE THRU EQUIPMENT CHASE & CONNECT TO CIRCUITS PROVIDED IN J-BOX BY EQUIPMENT MANUFACCTURER.

B2 J-BOX FOR RECESSED LOGO SIGN. CENTER ON KNEE WALL.

B3 PANEL D PROVIDED WITH EQUIPMENT. THE PRE-WIRED BRANCH CIRCUITS ARE DISCONNECTED FOR SHIPMENT AND WILL BE RE-CONNECTED BY MANUFACTURER'S INSTALLATION PERSONNEL ON SITE.

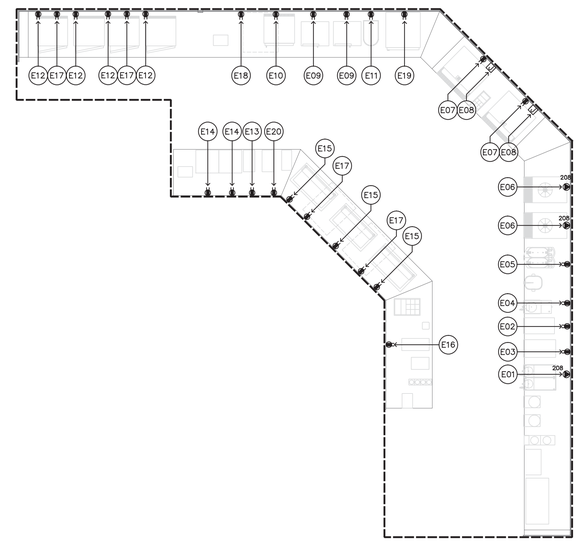
B4 VIDEO DISPLAY DEVICE. PROVIDE 4" CONDUIT FOR VIDEO, BUMP BAR AND PRINTERS. RECEPTACLE MOUNTED AT CEILING. COORDINATE WITH EQUIPEMENT SUPPLIER.

B7 JUNCTION BOX FOR LIGHTED DISPLAY SIGN. HEIGHT 72" +-, VERIFY WITH MANUFACTURER.

B8 (3) 1"ø CONDUITS UNDERGROUND TO BASE OF D/T ORDER STATION FOR D/T COMMUNICATIONS SYSTEM, SOUND/DATA/POWER.

B9 DRIVE-THRU DETECTOR LOOP. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO CEILING SPACE. INSTALL PER MANUFACTURER'S REQUIEMENTS. RE: 3/E5.02 4/E5.02

ENLARGED BURGER KING ELECTRICAL PLAN (2/E1.03)
SCALE: 1/4" = 1'-0"



ENLARGED SNACK AVENUE ELECTRICAL PLAN (1/E1.03)
SCALE: 1/4" = 1'-0"

SNACK AVENUE EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	TWIN COFFEE BREWER	8	120/240V, 25A, 6.05KW, 1ø	RECEPTACLE 48" A.F.F.	SN-1,3	VERIFY RECEPTACLE CONFIGURATION
E02	CAPPUCCINO DISPENSER	9	120V, 15A, 1.8KW, 1ø	RECEPTACLE 48" A.F.F.	SN-2	
E03	MULTI-FLAVOR HOT BEVERAGE DISPENSER	10	120V, 15A, 1.8KW, 1ø	RECEPTACLE 48" A.F.F.	SN-4	
E04	ICED TEA BREWER	11	120V, 14A, 1.7KW, 1ø	RECEPTACLE 48" A.F.F.	SN-5	
E05	GOURMET ICE SYSTEM, ULTRA-2 HOPPER	13	120V, 12A, 1ø	RECEPTACLE 48" A.F.F.	SN-6	
E06	(2) FROZEN CARBONATED BEVERAGE DISPENSER	14A	208V, 20A, 1ø	(2) NEMA L-620 RECEPTACLE 48" A.F.F.	SN-7,9 SN-8,10	
E07	(2) 8 HEAD POST MIX BEVERAGE DISPENSER	15A	120V, 3A, 1ø	(2) DIRECT-WIRED, VERIFY HEIGHT	SN-11 SN-12	
E08	(2) ICE MAKER/REMOTE CONDENSER	15C	208V, 13.5A, 1ø	(2) DIRECT-WIRED, VERIFY HEIGHT	SN-13,15 SN-14,16	PROVIDE WIRING FROM CONDENSER ON ROOF TO ICE MAKER BELOW.
E09	(2) MICROWAVE	16	120V, 15.8A, 1800W, 1ø	(2) NEMA 5-20 RECEPTACLE 48" A.F.F.	SN-17 SN-18	
E10	DISPLAY FREEZER	18	120V, 11.1A, 1/2HP, 1ø	RECEPTACLE 24" A.F.F.	SN-19	
E11	FROZEN BEVERAGE BLENDER	46	120V, 15A, 1ø	RECEPTACLE 48" A.F.F.	SN-43	
E12	(4) SANDWICH COOLER	20	120V, 4.5A, 1/5HP, 1ø	(4) RECEPTACLE 24" A.F.F.	SN-20,21, 22,23	
E13	CHILI/CHEESE DISPLAYER-SINGLE DISPENSER	22A	120V	RECEPTACLE	SN-24	
E14	(2) HOT TO GO	23	120V, 5.3A	(2) RECEPTACLE 48" A.F.F.	SN-25,45	
E15	(3) HOT DOG GRILL	24	120V, 11A, 1320KW, 1ø	(3) RECEPTACLE 48" A.F.F.	SN-26, 27,41	
E16	CREAMER MACHINE	25	120V, 2A, 150W	RECEPTACLE 24" A.F.F.	SN-28	
E17	(4) UNDER COUNTER REFRIGERATOR	32	120V, 3.9A, 1/6HP, 1ø	(4) RECEPTACLE 24" A.F.F.	SN-29,30, 31,32	
E18	UNDER COUNTER FREEZER	33	120V, 7.4A, 1/3HP, 1ø	RECEPTACLE 24" A.F.F.	SN-33	
E19	FROZEN BEVERAGE FREEZER	47	120V, 5A, 1ø	RECEPTACLE 48" A.F.F.	SN-40	
E20	CHEESE DISPLAYER-SINGLE DISPENSER	22B	120V	RECEPTACLE	SN-42	

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER
PE-2005021661
PROFESSIONAL ENGINEER
6/1/12

DATE	REVISION NO. & DESCRIPTION

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CHECKED BY: LSE
DATE: –

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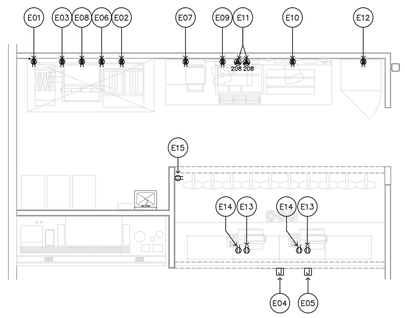
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
ENLARGED POWER PLANS

DATE: 6/8/12
SCALE:
SHEET: E1.03
DRAWING/PROJECT NO: 0530-06-000005

TEMPORARY FOOD SERVICE NOTE

CIRCUIT EQUIPMENT TO THE EXISTING EQUIPMENT PANEL. FIELD VERIFY CONDUCTOR SIZES AND ROUGH-IN REQUIREMENTS.



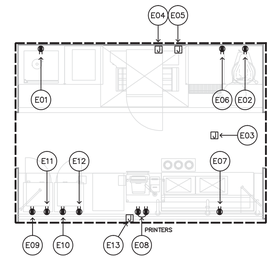
TEMPORARY TACO BELL ELECTRICAL PLAN (4 / E1.04)

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

TEMP. TACO BELL EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	GAS FRYER	C016	120V, 9.5A, 1ø	GFCI RECEPTACLE 24" A.F.F.		
E02	SOLSTICE GAS RETHERMALIZER	C105	120V, 2.0A, 1ø	GFCI RECEPTACLE 24" A.F.F.		
E03	MULTI DISPLAY TIMER-12	C400	120V, 1ø	GFCI RECEPTACLE, VERIFY HEIGHT		
E04	COUNTER FACE LIGHT BOX	L710	120V, 1ø	DIRECT-WIRED, VERIFY HEIGHT		
E05	CONCEPT SIGN	L778	120V, 1ø	VERIFY		
E06	MULTI DISPLAY TIMER	P417	120V, 1ø	GFCI RECEPTACLE, VERIFY HEIGHT		
E07	SPECIALTY SMOOTH 2-SIDE GRILL	C200	120V, 2.3KW, 19.2A, 1ø	GFCI RECEPTACLE 48" A.F.F.		
E08	UNDERCOUNTER FREEZER	R030	120V, 5A, 1/4HP, 1ø	GFCI RECEPTACLE 24" A.F.F.		
E09	MONITOR	U238	120V	GFCI RECEPTACLE, VERIFY HEIGHT		
E10	MONITOR	U238	120V	GFCI RECEPTACLE, VERIFY HEIGHT		
E11	CHEESE MELTER	C240	(2) 208V, 15.8A, 3.3KW, 1ø	(2) RECEPTACLE 24" A.F.F.		1 UNIT, 2 SEPARATE CIRCUITS. VERIFY RECEP. CONFIGURATION.
E12	LH HOLDING CABINET	S004	120V, 16A, 1ø	NEMA 5-20 RECEPTACLE 24" A.F.F.		
E13	(2) P.O.S. ORDER TERMINAL	U100	120V	RECEPTACLE, 18" A.F.F.		
E14	(2) P.O.S. RECIEPT PRINTER	U061	120V	RECEPTACLE, 18" A.F.F.		
E15	10 PANEL MENU BOARD	L013	120V, 10A	RECEPTACLE, VERIFY HEIGHT		

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.
** CIRCUIT TO EXISITNG PANEL



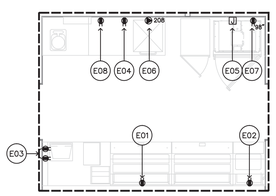
ANTHONY'S PIZZA ELECTRICAL PLAN (2 / E1.04)

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

ANTHONY'S EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	FOOD WARMER	AP04	120V, 4.1A, 1ø	GFCI RECEPTACLE 48" A.F.F.	AEQ-1	
E02	DOUGH PRESS-AUTOMATIC	AP05	120V, 12.5A, 1.4KW, 1ø	GFCI RECEPTACLE 48" A.F.F.	AEQ-2	
E03	MENU BOARD	AP07	120V, 10.0A	DIRECT-WIRE, VERIFY LOCATION	AEQ-10	VERIFY ELECTRICAL CONNECTIONS/REQ'S.
E04	CONVEYOR OVEN	AP08	208V, 14.4KW, 28A, 3ø	DISCONNECT 28" A.F.F.	AEQ-3,5,7	VERIFY ELECTRICAL CONNECTION HEIGHT PRIOR TO ROUGH-IN
E05	CONVEYOR OVEN	AP08	208V, 14.4KW, 28A, 3ø	DISCONNECT 54" A.F.F.	AEQ-4,6,8	VERIFY ELECTRICAL CONNECTION HEIGHT PRIOR TO ROUGH-IN
E06	UNDERCOUNTER REFRIGERATOR	AP09	120V, 4.5A, 1ø	RECEPTACLE 24" A.F.F.	AEQ-9	
E07	PIZZA MAKE-UP TABEL	AP11	120V, 9.0A, 1ø	GFCI RECEPTACLE 24" A.F.F.	AEQ-17	
E08	P.O.S. REGISTER & PRINTER	AP12,A	120V, 2.0A	(2) RECEPTACLES 24" A.F.F.	AEQ-15 AEQ-16	
E09	HEATED DISPLAY CASE	AP17	120V, 12.0A, 1.44KW, 1ø	RECEPTACLE 24" A.F.F.	AEQ-13	VERIFY RECEPTACLE LOCATION/HEIGHT PRIOR TO ROUGH-IN
E10	HEATED DISPLAY CASE	AP17	120V, 12.0A, 1.44KW, 1ø	RECEPTACLE 24" A.F.F.	AEQ-14	VERIFY RECEPTACLE LOCATION/HEIGHT PRIOR TO ROUGH-IN
E11	UNDERCOUNTER REFRIGERATOR	AP09	120V, 3.5A, 1ø	RECEPTACLE 24" A.F.F.	AEQ-18	
E12	HOLDING CABINET-DRAWER	AP52	120V, 13.1A, 1.57KW, 1ø	RECEPTACLE 24" A.F.F.	AEQ-11	
E13	ACTIVITY SIGN	AP19	120V	DIRECT-WIRE, VERIFY HEIGH	AEQ-19	
E14						

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.



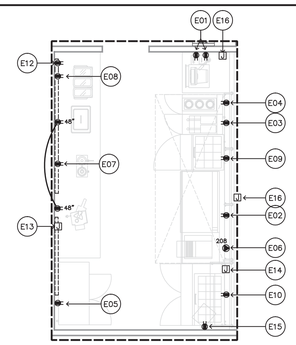
ENLARGED SUBWAY ELECTRICAL PLAN (3 / E1.04)

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

SUBWAY EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	FRONT COUNTER	19	120V, 1/2HP, 1ø	RECEPTACLE 12" A.F.F.	SEQ-9	
E02	LEFT-HAND WARMER	19A	120V	RECEPTACLE 12" A.F.F.	SEQ-10	
E03	P.O.S. REGISTER & PRINTER	V01	120V	(2) RECEPTACLES 12" A.F.F.	SEQ-7 SEQ-8	
E04	MICROWAVE	S25	120V, 2KW, 1ø	NEMA 5-20 RECEPTACLE 48" A.F.F.	SEQ-5	
E05	BREAD OVEN	S27	208V, 1/3HP, 5.13KW, 1ø	DIRECT-WIRED 46" A.F.F.	SEQ-1,3	
E06	MICROWAVE/CONVECTION OVEN	S34	208V, 30A, 6.24KW, 1ø	NEMA 6-30 RECEPTACLE 48" A.F.F.	SEQ-2,4	
E07	MENU BOARD	29	120V	RECEPTACLE 98" A.F.F.-VERIFY	SEQ-11	VERIFY ELECTRICAL REQ'S
E08	REF. BACK COUNTER	S33	120V, 6.4A, 1/5HP, 1ø	RECEPACLE 20" A.F.F.	SEQ-6	

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.



CHARLEY'S EQUIPMENT ELECTRICAL PLAN (1 / E1.04)

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

CHARLEY'S EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	POS CASH REGISTER	E1	120V, 1ø	(2) DUPLEX RECEPTACLES, 24" A.F.F.	CEQ-1 CEQ-2	
E02	GAS GRIDDLE	K1-1	120V, 0.88A, 1ø	DUPLEX RECEPTACLE, 24" AFF	CEQ-6	RECEPTACLE ONLY REQUIRED FOR MODELS W/MATCHLESS IGNITION W/ELECTRIC OR SOLID STATE THERMOSTATS.
E03	GAS FRYER, FILTER	K1	120V, 10A, 1ø	DUPLEX RECEPTACLE, 24" AFF	CEQ-4	
E04	FOOD WARMER & DUMP STATION	K3	120/208V, 4.8/6.9A, 1ø	DUPLEX RECEPTACLE, 48" AFF	CEQ-3	
E05	REFRIGERATED WORK TOP TABLE	K2	120V, 5A, 1ø	DUPLEX RECEPTACLE, 48" AFF	CEQ-13	
E06	TOASTER	K5	208V, 22.4A, 4.6KW, 1ø	NEMA 6-30 RECEPTACLE, 48" AFF	CEQ-7,9	
E07	HOT TOPPING	K6	120V, 8.3A, 1.0KW, 1ø	DUPLEX RECEPTACLE, 48" AFF	CEQ-14	
E08	BEVERAGE DISPENSER	K10	120V, 5.5A, 1/6HP, 1ø	DUPLEX RECEPTACLE, 48" A.F.F.	CEQ-15	
E09	MEGA TOP SANDWICH/SALAD UNIT	K9	120V, 4.9A, 1ø	DUPLEX RECEPTACLE, 48" AFF	CEQ-5	
E10	REFRIGERATED WORK TOP TABLE	K2	120V, 5A, 1ø	DUPLEX RECEPTACLE, 48" AFF	CEQ-8	
E11	NOT USED					
E12	5 PANEL MENU BOARD	MG1	120V	(3-5) RECEPTACLES, VERIFY	CEQ-16	VERIFY NUMBER OF RECEPTACLES REQUIRED. ALL MENU BOARDS TO BE ON ONE CIRCUIT.
E13	LIGHT BOX	MG2	120V	(1-2) RECEPTACLES, VERIFY	CEQ-16	VERIFY NUMBER OF RECEPTACLES REQUIRED. ALL MENU BOARDS TO BE ON ONE CIRCUIT.
E14	SNEEZE GUARD W/LIGHT	M5	120V	DIRECT-WIRE, VERIFY	CEQ-10	
E15	MONITOR	E7	120V	RECEPTACLE 98" A.F.F.-VERIFY	CEQ-11	
E16	SIGNAGE	G3	120V	DIRECT-WIRE, VERIFY HEIGHT OF SIGNS	CEQ-12	

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER
PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

DATE	REVISION NO. & DESCRIPTION

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

ENLARGED POWER PLANS

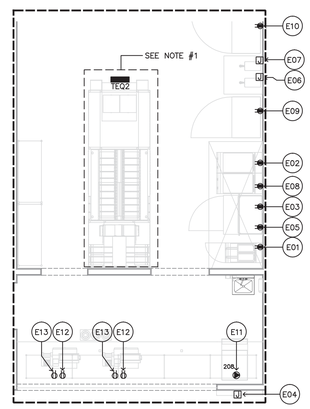
DATE: 6/8/12

SCALE:

SHEET: E1.04

DRAWING/PROJECT NO: 0530-06-000005

OF



TACO BELL ELECTRICAL PLAN

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

3 / E1.05

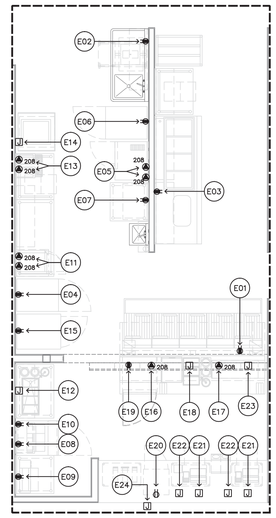
TACO BELL EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	GAS FRYER	C016	120V, 9.5A, 1ø	GFCI RECEPTACLE 24" A.F.F.	TEQ-11	
E02	SOLSTICE GAS RETHERMALIZER	C105	120V, 2.0A, 1ø	GFCI RECEPTACLE 24" A.F.F.	TEQ-7	
E03	MULTI DISPLAY TIMER-12	C400	120V, 1ø	GFCI RECEPTACLE, VERIFY HEIGHT	TEQ-9	
E04	ILLUMINATED TB SIGN	L709	120V, 1ø	DIRECT-WIRED, VERIFY HEIGHT	TEQ-16	
E05	MULTI DISPLAY TIMER-8	P417	120V, 1ø	VERIFY	TEQ-10	
E06	HOT WATER DISPENSER	P450	208V, 19.35A, 4KW, 1ø	DIRECT-WIRED, 40" A.F.F., VERIFY	TEQ-3,5	
E07	HOT WATER DISPENSER	P450	208V, 19.35A, 4KW, 1ø	DIRECT-WIRED, 40" A.F.F., VERIFY	TEQ-2,4	
E08	UNDERCOUNTER FREEZER	R030	120V, 5A, 1/4HP, 1ø	GFCI RECEPTACLE 24" A.F.F.	TEQ-8	
E09	LH HOLDING CABINET	S004	120V, 16A, 1ø	NEMA 5-20 RECEPTACLE 24" A.F.F.	TEQ-6	
E10	RH HOLDING CABINET	S005	120V, 16A, 1ø	NEMA 5-20 RECEPTACLE 24" A.F.F.	TEQ-1	
E11	FRUITISTA FREEZE	S543	240V, 1ø	NEMA L6-20 RECEPTACLE 48" A.F.F.	TEQ-12,14	PROVIDE BUCK-BOOST TRANSFORMER
E12	(2) P.O.S. ORDER TERMINAL	U100	120V	RECEPTACLE, 18" A.F.F.	TEQ-13	
E13	(2) P.O.S. RECIEPT PRINTER	U061	120V	RECEPTACLE, 18" A.F.F.	TEQ-15	

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.

NOTES

1. MANUFACTURER-DELFIELD-WILL FULLY PRE-WIRE THE COMPLETE JOB AT THE FACTORY. THE UNIT WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE FIELD ELECTRICIAN WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE DELFIELD PROVIDED BREAKER PANEL BOX. IN ADDITION THE FIELD ELECTRICIAN WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED. FOR MORE SPECIFIC INFO. OR INSTRUCTIONS, PLEASE CONSULT FACTORY.
   ALL 120V RECEPTACLES TO BE GFCI PROTECTED DUPLEXES.



POPEYE'S EQUIPMENT ELECTRICAL PLAN

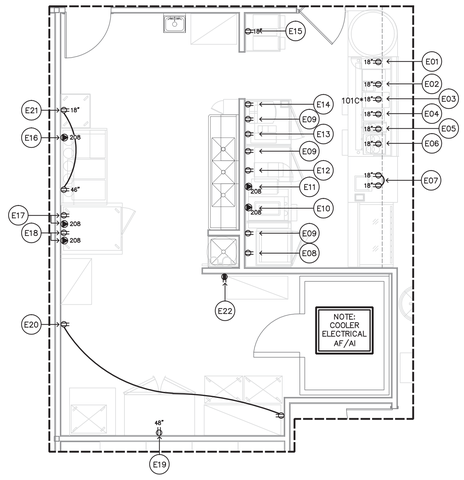
SCALE: 1/4" = 1'-0"

2 / E1.05

POPEYE'S EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	FRYER BATTERY	A10.US	120V, 30A, 1/4HP, 1ø	DUPLEX RECEPTACLE, 24" A.F.F.	PEQ-40	VERIFY ELECTRICAL REQUIREMENTS
E02	MARINATOR	A31	115V, 5A, 1ø	DUPLEX RECEPTACLE, 24" A.F.F.	PEQ-1	
E03	ICE BATTER/SIFTER TABLE	A47.4	115V, 2.3A, .3KW, 1ø	DUPLEX RECEPTACLE, VERIFY HEIGHT	PEQ-10	
E04	FREEZER, UPRIGHT	A54	115V, 9A, 1/2HP, 1ø	DUPLEX RECEPTACLE, 48" AFF	PEQ-20	
E05	(2) 1/2 SIZE CONVECTION OVEN	B10	(2) 208V, 5.6KW, 3ø	(2) RECEPTACLES, 24" & 48" A.F.F.	PEQ-3,5,7 PEQ-2,4,6	
E06	REFRIGERATOR, UPRIGHT	B60	115V, 6A, 1/4HP, 1ø	DUPLEX RECEPTACLE, 48" AFF	PEQ-2	
E07	BISCUIT HOLDING UNIT	B65	120V, 4.5A, 1.44KW, 1ø	DUPLEX RECEPTACLE, 24" AFF	PEQ-9	
E08	REFRIGERATOR, SANDWICH UNIT	C10.27	115V, 7.2A, 1/5HP, 1ø	DUPLEX RECEPTACLE, 24" AFF	PEQ-26	
E09	TOASTER, VERTICAL	C20	120V, 13A, 1.5KW, 1ø	DUPLEX RECEPTACLE, 48" AFF	PEQ-27	
E10	PRODUCT HOLDING UNIT	C30	120V, 4.5A, 545W, 1ø	DUPLEX RECEPTACLE, 48" AFF	PEQ-24	
E11	(2) MICROWAVE OVEN	D20	(2) 208V, 15.3A, 3.0KW, 1ø	(2) NEMA 6-20R, 24" & 48" A.F.F.	PEQ-16,18 PEQ-19,21	
E12	PACKING STATION	D30	208V, 6A, 1.24KW, 1ø	DIRECT-WIRE, VERIFY HEIGHT	PEQ-23,25	
E13	(2) HOT WATER DISPENSER	D70	(2) 208V, 19.5A, 4.05KW, 1ø	(2) RECEPTACLES 48" A.F.F.	PEQ-12,14 PEQ-15,17	PROVIDE CORD & PLUG VERIFY RECEPTACLE CONFIGURATION
E14	WARMER, RETHERMALIZER	D81	208V, 47.6A, 9.8KW, 1ø	DIRECT-WIRE, 18" A.F.F.	PEQ-11,13	
E15	HOLDING CABINET, REACH-IN	D90	120V, 19.3A, 2.3KW, 1ø	NEMA 5-20R, 48" A.F.F.	PEQ-22	
E16	HOLDING UNIT, PASS-THRU	D92	208V, 13.87A, 3.3KW, 1ø	RECEPTACLE 48" A.F.F.	PEQ-29,31	VERIFY RECEPTACLE CONFIGURATION
E17	DED. HOLDING UNIT, 12 PAN	D94	208V, 23.7A, 5.7KW, 1ø	RECEPTACLE 48" A.F.F.	PEQ-33,35	VERIFY RECEPTACLE CONFIGURATION
E18	PRODUCTION COUNTER	H12.2P	208V, 4.3A, 900W, 1ø	DIRECT-WIRE, VERIFY HEIGHT	PEQ-30,32	VERIFY REQUIREMENTS WITH K.E.S.
E19	REFRIGERATOR, UNDERCOUNTER	J41	115V, 4A, 1/5HP, 1ø	DUPLEX RECEPTACLE 24" A.F.F.	PEQ-28	
E20	SAFE	M30	115V, 15A, 1ø	DIRECT-WIRE, VERIFY HEIGHT	PEQ-37	
E21	(2) POS REGISTER	P20	(2) 115V, 1ø	(2) DIRECT-WIRE, VERIFY HEIGHT	PEQ-39	
E22	(2) POS PRINTER	P30	(2) 115V, 1ø	(2) DIRECT-WIRE, VERIFY HEIGHT	PEQ-38	
E23	MENUBOARD, 7 PANEL	Q10	115V	DIRECT-WIRE, VERIFY HEIGHT	PEQ-34	
E24	LOGO SIGN	A30	115V	DIRECT-WIRE, VERIFY HEIGHT	PEQ-36	

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.



DUNKIN DONUTS ELECTRICAL PLAN

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

1 / E1.05

DUNKIN DONUTS EQUIPMENT SCHEDULE

REF. MARK	EQUIPMENT	EQUIP. MARK	ELEC. CHARACTERISTICS	WIRING REQUIREMENTS	CIRCUIT	REMARKS
E01	FLAVOR DISPENSER	101E	120V, 1A, 1ø	RECEPTACLE 18" A.F.F.	DEQ-1	
E02	SURE SHOT SUGAR DISPENSER	101D	120V, 4A, 1ø	NEMA L5-20 RECEPTACLE 18" A.F.F.	DEQ-2	
E03	DAIRY DISPENSER	101C	120V, 3A, 1ø	NEMA L5-20 RECEPTACLE 18" A.F.F.	DEQ-3	
E04	MULTI-HOPPER GRINDER/STORAGE	101Q-3	120V, 3/4HP, 1ø	RECEPTACLE 18" A.F.F.	DEQ-4	CORD & PLUG PROVIDED BY ELECTRICAL CONTRACTOR
E05	AXIOM SINGLE COFFEE BREWER	01PP-3	208V, 16.7A, 1ø	NEMA L14-20R 18" A.F.F.	DEQ-5,7	CORD & PLUG PROVIDED BY ELECTRICAL CONTRACTOR
E06	AXIOM TWIN COFFEE BREWER	101P-3	208V, 29.6A, 1ø	NEMA L14-50R 18" A.F.F.	DEQ-6,8	CORD & PLUG PROVIDED BY ELECTRICAL CONTRACTOR
E07	P.O.S. REGISTER & PRINTER	90.1	120V	(2) **I.G. RECEPTACLES 18" A.F.F.	DEQ-9	** ISOLATED GROUND
E08	BEVERAGE REFRIGERATOR TRUE #GDM-7	–	120V, 4.5A, 1ø	RECEPTACLE 46" A.F.F.	DEQ-10	
E09	(3) UC REFRIGERATOR	120F	120V, 4.0A, 1ø	(3) RECEPTACLE 18" A.F.F.	DEQ-11 DEQ-17 DEQ-19	
E10	COUNTERTOP COOLATTA MACHINE	111	208V, 16A, 1ø	RECEPTACLE 46" A.F.F.	DEQ-12,14	PROVIDED CORD & PLUG
E11	ICED COFFEE BREWER	200A	120/208V, 19.65A, 1ø	NEMA 14-20R OR L14-20R 46" A.F.F.	DEQ-13,15	CORD & PLUG PROVIDED BY BUNN, TO BE INSTALLED BY ELECTRICAL CONTRACTOR
E12	DUNKACCINO MACHINE	107A	120V, 20A, 1ø	NEMA L14-20 RECEPTACLE 46" A.F.F.	DEQ-16	CORD & PLUG PROVIDED BY BUNN, TO BE INSTALLED BY ELECTRICAL CONTRACTOR
E13	ESPRESSO MACHINE	96	208V, 30A, 1ø	NEMA L6-30 RECEPTACLE 18" A.F.F.	DEQ-18,20	
E14	PRINTER	–	120V	RECEPTACLE 18" A.F.F.	DEQ-21	
E15	ICE MACHINE	489	115V, 7.8A, 1ø	RECEPTACLE 18" A.F.F.	DEQ-22	
E16	POWER BASE	563	120V, 1.1A, 1ø	NEMA 6-20 RECEPTACLE 18" A.F.F.	DEQ-23	
E17	CONVECTION OVEN (STACKED)	552B	120V, 7.8A, 1ø 208V, 22.3A, 3ø	NEMA 5-15 RECEPTACLE 18" A.F.F. NEMA L15-30 RECEPTACLE 18" A.F.F.	DEQ-25 DEQ-27 29,31	REQUIRES (1) 1Ø, & (1) 3Ø CIRCUIT
E18	CONVECTION OVEN (STACKED)	552B	120V, 7.8A, 1ø 208V, 22.3A, 3ø	NEMA 5-15 RECEPTACLE 18" A.F.F. NEMA L15-30 RECEPTACLE 18" A.F.F.	DEQ-26 DEQ-28, 30,32	REQUIRES (1) 1Ø, & (1) 3Ø CIRCUIT
E19	REACH-IN	571	VERIFY	VERIFY	DEQ-33	VERIFY
E20	GENERAL USE RECEPTACLES	–	120V	RECEPTACLES 18" A.F.F.	DEQ-34	
E21	GENERAL USE RECEPTACLES	–	120V	RECEPTACLES 18" & 46" A.F.F.	DEQ-35	
E22	WATER FILTER SYSTEM	–	120V	RECEPTACLE, VERIFY HEIGHT	DEQ-39	REF: 7/P2.01

* CONTRACTOR TO VERIFY ALL UTILITY REQUIREMENTS PRIOR TO ROUGH-IN.

EXCHANGE™

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6/7/12

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

ENLARGED POWER PLANS

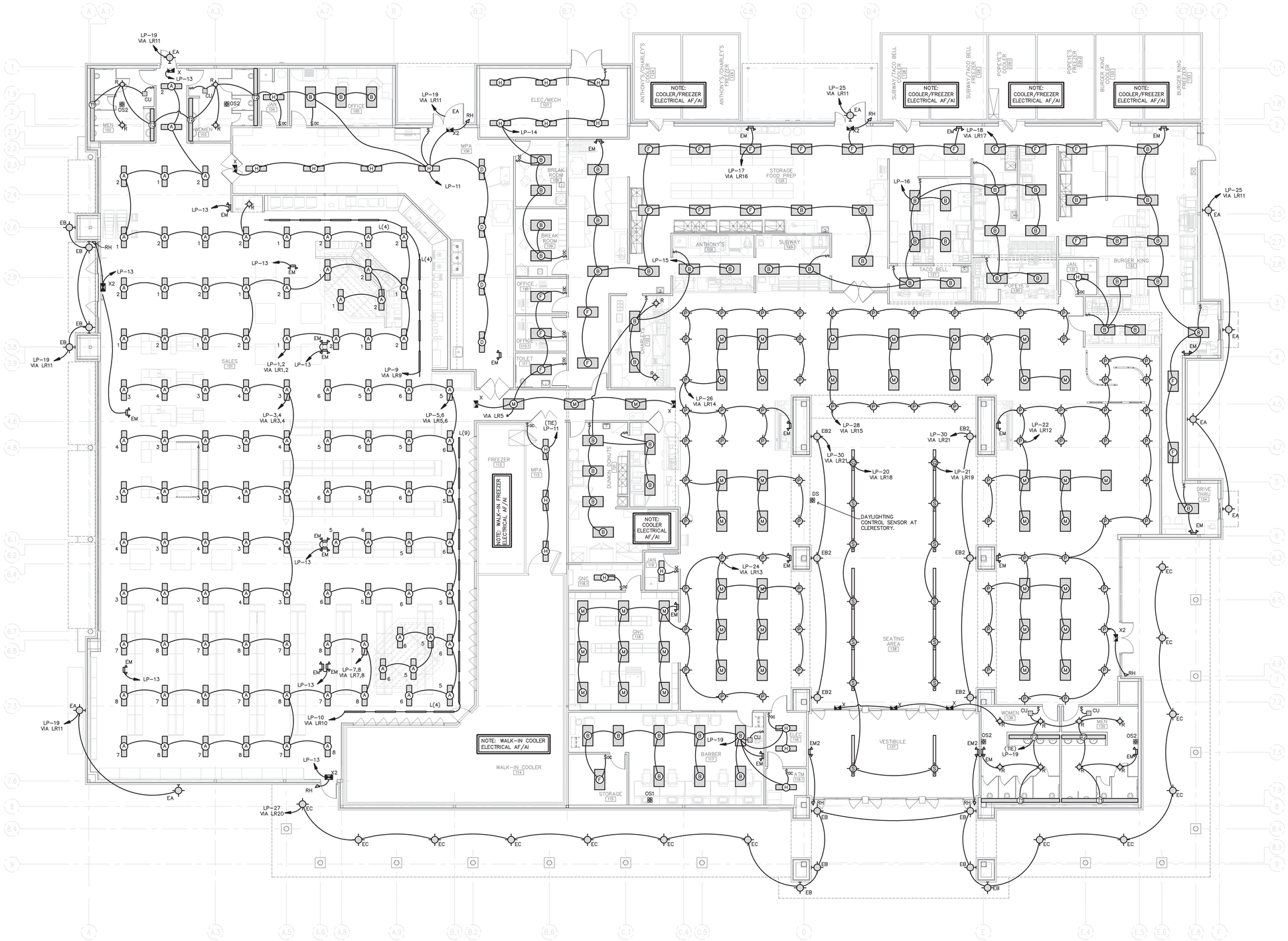
DATE: 6/8/12

SCALE:

SHEET: E1.05

DRAWING/PROJECT NO: 0530-06-000005

OF



LIGHTING PLAN

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

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CHRISTOPHER RAY DUNCAN
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

LIGHTING PLAN

DATE: 6/8/12

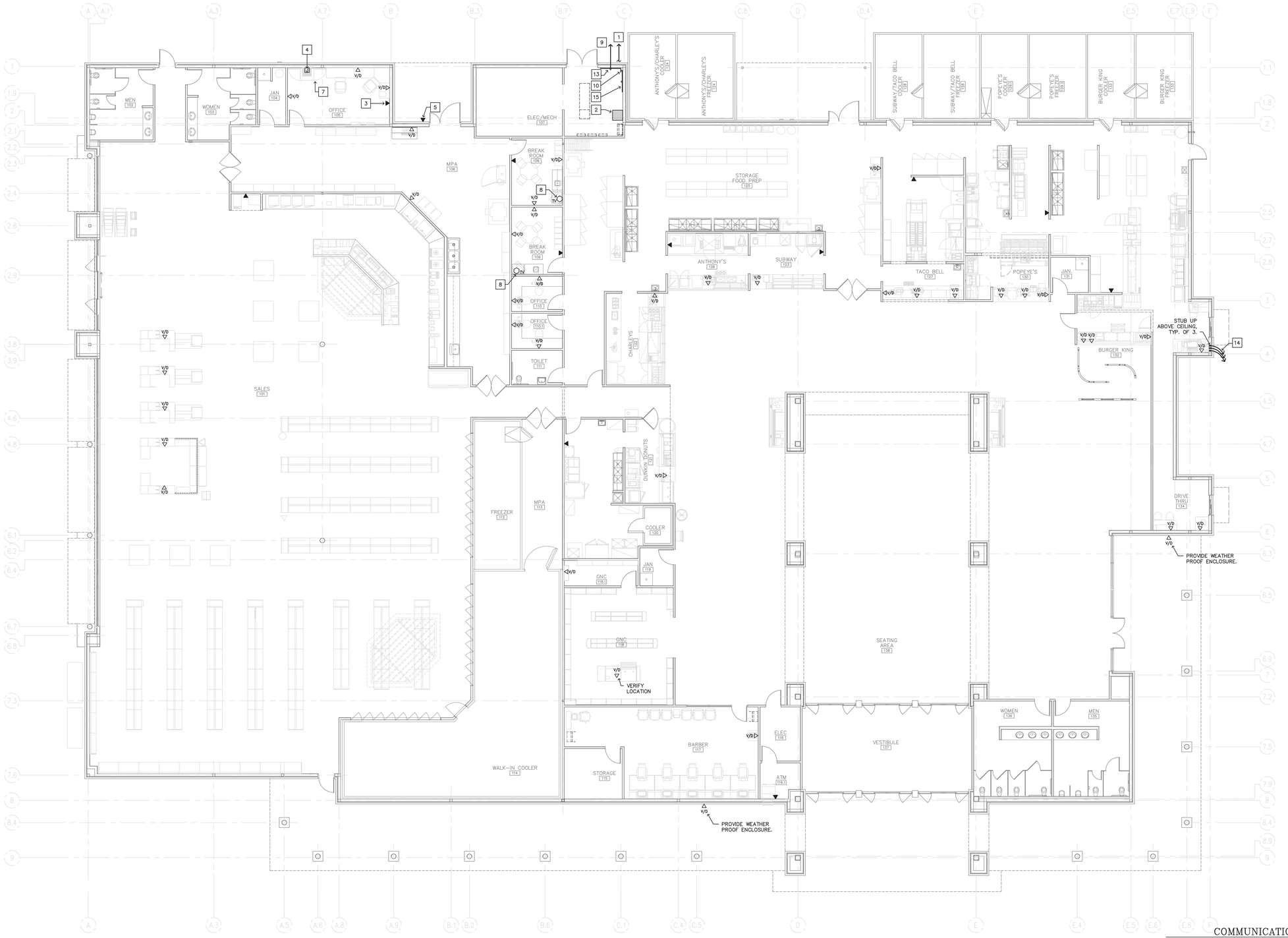
SCALE:

SHEET: E2.01

DRAWING/PROJECT NO: 0530-06-000005

PLAN NOTES

1. (3) 4" POST COMMUNICATIONS CONDUITS ROUTED TO COMMUNICATIONS MANHOLE. REFER TO SITE UTILITY PLAN.
2. POST COMMUNICATIONS CABINET. (1/E5.02)
3. TELEPHONE OUTLET BOX 56" AFF FOR SECURITY SYSTEM CONTROL PANEL.
4. 4" X 4" FLUSH MOUNT JUNCTION BOX, CENTER AT 24" AFF. STUB (1) 2"C. UP TO ROOF JOIST AND TERMINATE WITH BUSHING. PROVIDE COVER PLATE WITH 2" DIAMETER GROMMETTED OPENING. LABEL 'DATA SYSTEM CABLES. COORDINATE WITH AAFES IT DEPARTMENT.
5. PROVIDE TELEPHONE HANDSET IN SEMI-FLUSH MOUNTING NEMA 12 CABINET 16"HX12"WX6"D. CABINET SHALL HAVE HINGED NONLOCKING DOOR AND METAL EQUIPMENT MOUNTING BACK PLATE, HOFFMAN #CSD16126GEMC WITH OPERABLE HANDLE. PROVIDE RJ45 JACK AND TELEPHONE HANDSET. MOUNT CENTER OF HANDSET 46" AFF.
6. 4" X 4" FLUSH MOUNT JUNCTION BOX. CENTER AT 7'-0" AFF. STUB (1) 2"C UP TO ROOF JOIST AND TERMINATE IN BUSHING. PROVIDE COVER PLATE WITH 2" DIAMETER GROMMETTED OPENING. LABEL 'AUDIO SYSTEM CABLES'.
7. CABINET FOR NETWORK/POS SYSTEMS FURNISHED AND INSTALLED BY AAFES.
8. TV OUTLET BOX WITH JACK. ROUTE RG-6 CABLE TO TV HEAD-IN EQUIPMENT.
9. (2) 4" COMMERCIAL TELEPHONE SERVICE CONDUITS. STUB UP 6" AFF AND EXTEND 5' BEYOND FOOTING.
10. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR. (3/E5.01)
11. TV HEAD-IN. AF/AI.
12. TV ANTENNA (SAT) SERVICE ENTRANCE. SEE 5/E5.01.
13. COMMERCIAL TELEPHONE TERMINAL BOARD. 4'x4'x3/4" PLYWOOD. EQUIPMENT BY OTHERS.
14. (3) 1" CONDUITS UNDERGROUND TO BASE OF D/T ORDER STATION FOR D/T COMMUNICATIONS SYSTEM. SOUND, DATA, & POWER.
15. POST COMMUNICATIONS TERMINAL BOARD. 4'x4'x3/4" PLYWOOD. (1/E5.02)



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

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PROJECT:
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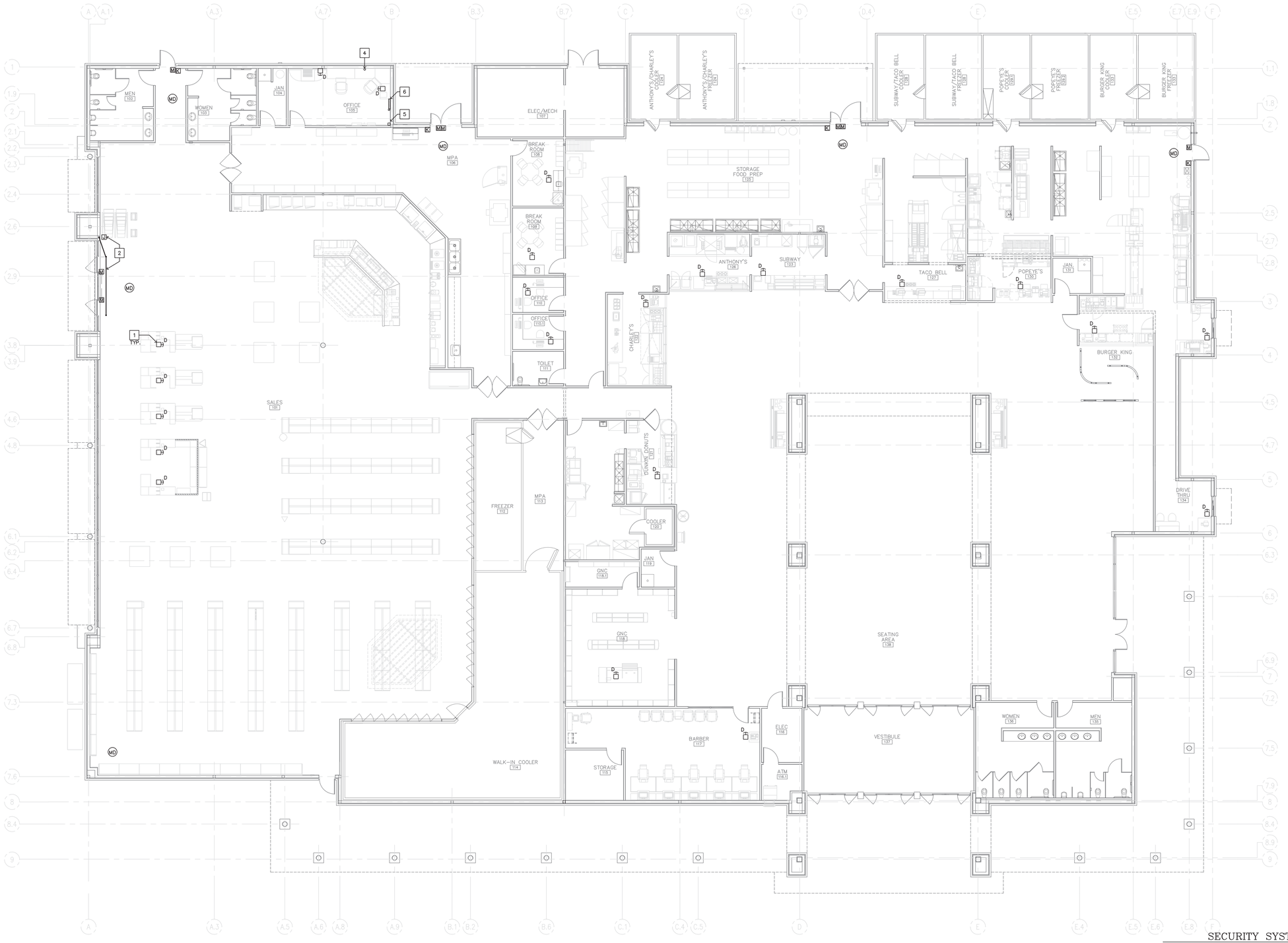
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
COMMUNICATIONS PLAN

DATE: 6/8/12
SCALE:
SHEET: E3.01
DRAWING/PROJECT NO: 0530-06-000005

PLAN NOTES

1. PROVIDE BOX AND CONDUIT FOR DURESS ALARM.
2. EAS SYSTEM J-BOX AND CONDUITS. SEE 13/E5.01.
3. NOT USED
4. NOT USED
5. OUTLET BOX FOR SAFE TAMPER PROTECTION. ROUTE 3/4" CONDUIT TO CEILING SPACE.
6. SECURITY SYSTEM CONTROL PANEL. SEE 2/E5.02.



SECURITY SYSTEM PLAN
SCALE: 1/8" = 1'-0"

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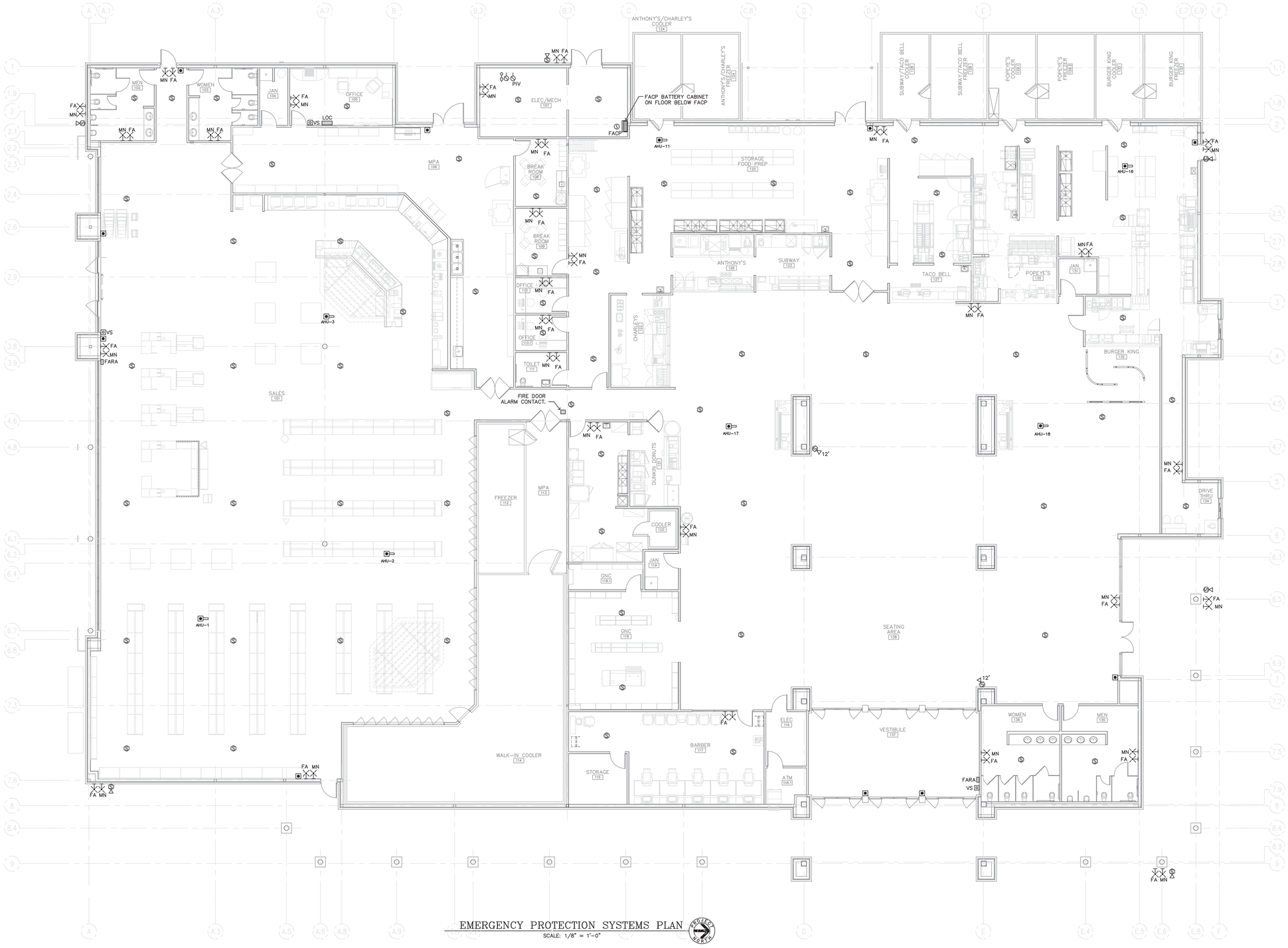
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
SECURITY SYSTEMS PLAN

DATE: 6/8/12
SCALE:
SHEET: E3.02
DRAWING/PROJECT NO: 0530-06-000005
OF



EMERGENCY PROTECTION SYSTEMS PLAN

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

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

EMERGENCY PROTECTION SYSTEM PLAN

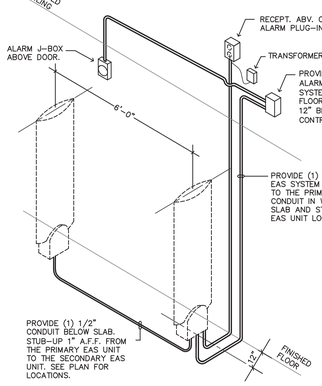
DATE: 6/8/12

SCALE:

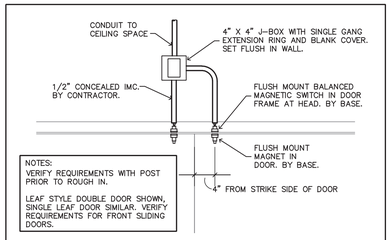
SHEET: E4.01

DRAWING/PROJECT NO: 0530-06-000005

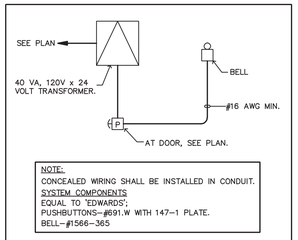
OF



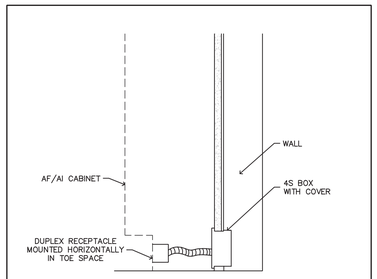
EAS SYSTEM (13 / E5.01)
NOT TO SCALE



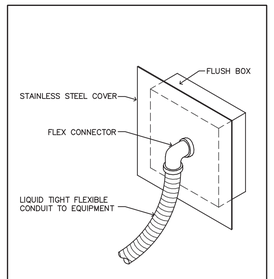
MAGNETIC DOOR CONTACT DETAIL (12 / E5.01)
NOT TO SCALE



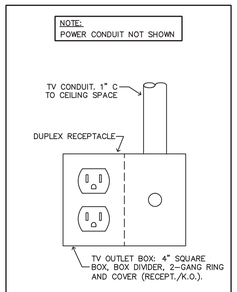
DOORBELL SYSTEM DIAGRAM (11 / E5.01)
NOT TO SCALE



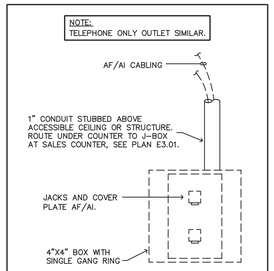
RECEPTACLE AT VINYL BASE (10 / E5.01)
NOT TO SCALE



TYPICAL DIRECT-WIRED EQUIPMENT OUTLET (9 / E5.01)
NOT TO SCALE

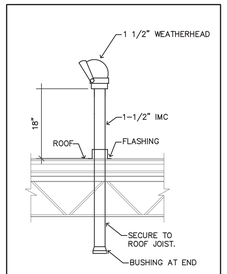


TV OUTLET DETAIL (8 / E5.01)
NOT TO SCALE

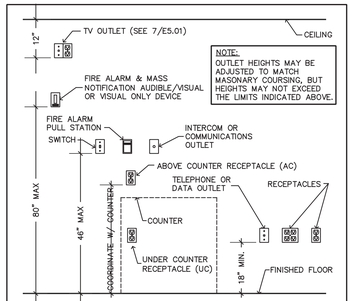


VOICE/DATA OUTLET (7 / E5.01)
NOT TO SCALE

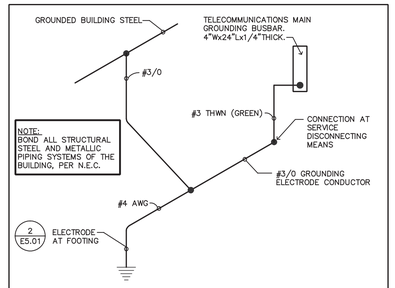
NOT USED (6 / E5.01)
NOT TO SCALE



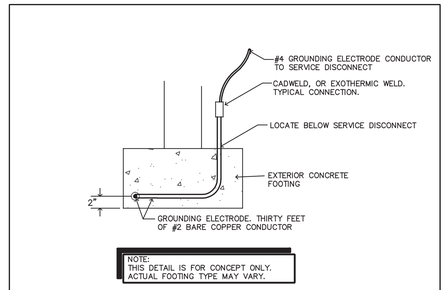
ANTENNA LEAD-IN ENTRANCE DETAIL (5 / E5.01)
NOT TO SCALE



TYP. DEVICE MOUNTING HEIGHTS (4 / E5.01)
NOT TO SCALE



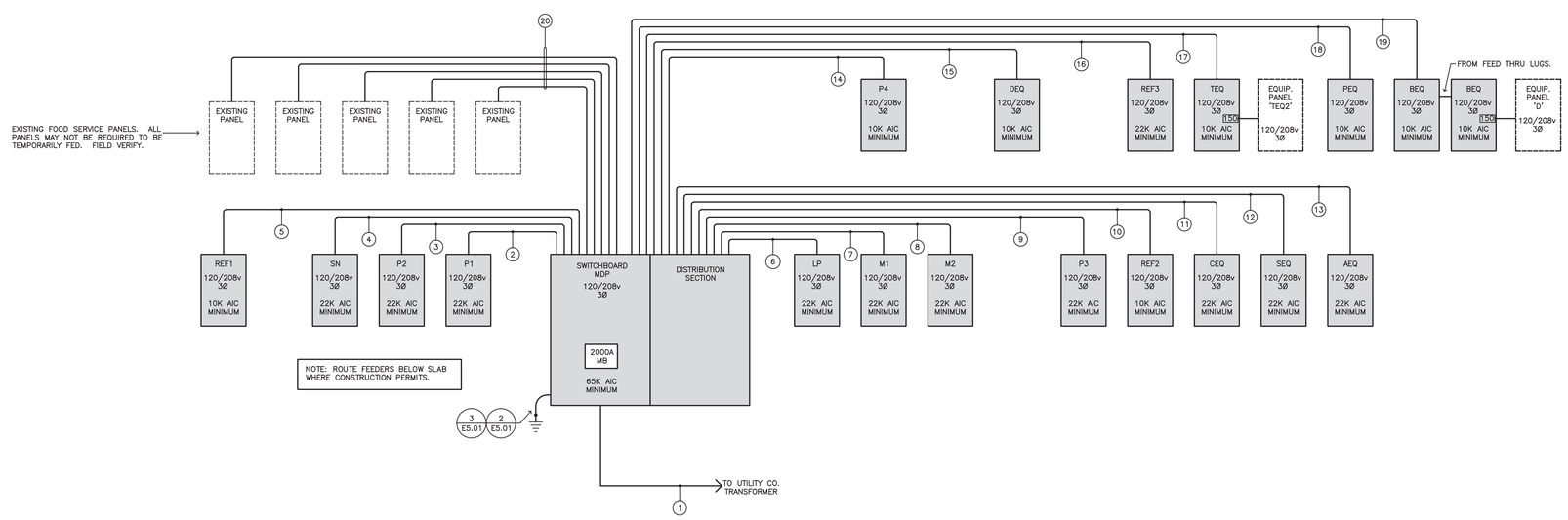
SYSTEM GROUNDING DIAGRAM (3 / E5.01)
NOT TO SCALE



GROUNDING ELECTRODE DETAIL (2 / E5.01)
NOT TO SCALE

FEEDER SCHEDULE

1	UNDERGROUND SERVICE CONDUCTORS: (6) 3" CONDUITS WITH (4)#500KCMIL THWN EACH.	11	PANEL CEQ: 1-1/4" CONDUIT WITH (4) #3 THWN & (1) #8 GROUND.
2	PANEL P1: 1-1/4" CONDUIT WITH (4) #3 THWN & (1) #8 GROUND.	12	PANEL SEQ: 1-1/4" CONDUIT WITH (4) #3 THWN & (1) #8 GROUND.
3	PANEL P2: 1-1/4" CONDUIT WITH (4) #3 THWN & (1) #8 GROUND.	13	PANEL AEQ: 1-1/2" CONDUIT WITH (4) #1/0 THWN & (1) #8 GROUND.
4	PANEL SN: 2" CONDUIT WITH (4) #1/0 THWN & (1) #6 GROUND.	14	PANEL P4: 1-1/4" CONDUIT WITH (4) #3 THWN & (1) #8 GROUND.
5	PANEL REF1: 2" CONDUIT WITH (3) #3/0 THWN, (1) #1/0 THWN & (1) #6 GROUND.	15	PANEL DEQ: 2" CONDUIT WITH (4) #3/0 THWN & (1) #6 GROUND.
6	PANEL LP: 2" CONDUIT WITH (4) #3/0 THWN & (1) #6 GROUND.	16	PANEL REF3: 2-1/2" CONDUIT WITH (3) #4/0 THWN, (1) #1/0 THWN & (1) #4 GROUND.
7	PANEL M1: 2-1/2" CONDUIT WITH (4) #4/0 THWN & (1) #4 GROUND.	17	PANEL TEQ: 3" CONDUIT WITH (4) #350 KCMIL THWN & (1) #3 GROUND.
8	PANEL M2: 2" CONDUIT WITH (4) #3/0 THWN & (1) #6 GROUND.	18	PANEL PEQ: 2" CONDUIT WITH (4) #3/0 THWN & (1) #6 GROUND.
9	PANEL P3: 1-1/2" CONDUIT WITH (4) #1/0 THWN & (1) #6 GROUND.	19	PANEL BEQ: 3-1/2" CONDUIT WITH (4) #600 KCMIL THWN & (1) #2 GROUND.
10	PANEL REF2: 2" CONDUIT WITH (3) #3/0 THWN, (1) #1/0 THWN & (1) #6 GROUND.	20	EXISTING PANELS: #4/0 QUAD. ALUM. IN CONDUIT. (TEMP. POWER)



ELECTRICAL SERVICE/DISTRIBUTION DIAGRAM (1 / E5.01)
NOT TO SCALE

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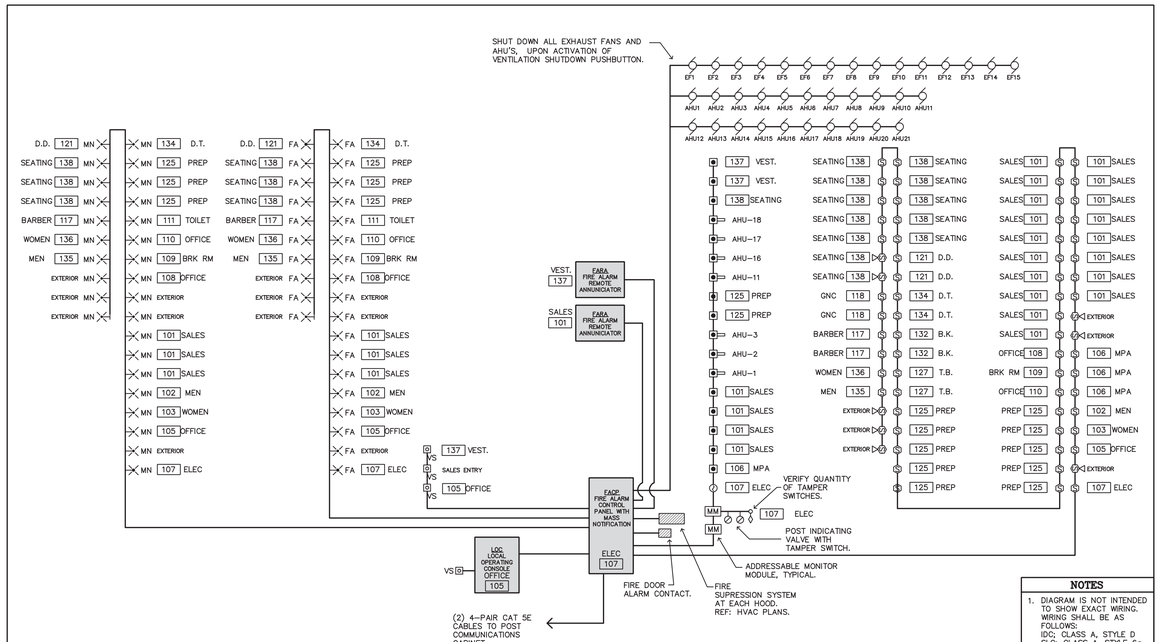
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
ELECTRICAL DETAILS

DATE: 6/8/12
SCALE:
SHEET: E5.01
DRAWING/PROJECT NO: 0530-06-000005

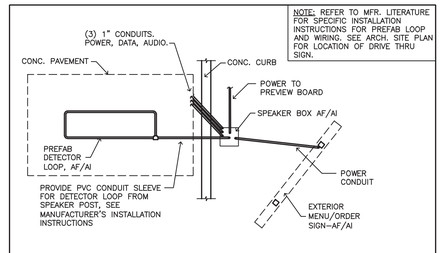


EMERGENCY PROTECTION SYSTEMS DIAGRAM

NOT TO SCALE (3 / E5.02)

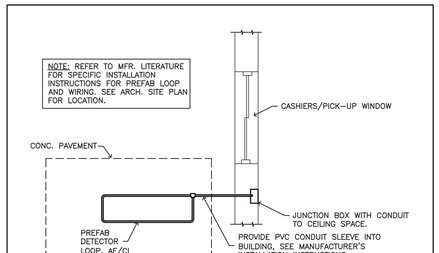
NOTES

1. DIAGRAM IS NOT INTENDED TO SHOW EXACT WIRING. WIRING SHALL BE AS FOLLOWS:
   IDC; CLASS A, STYLE D
   SLC; CLASS A, STYLE 6a
   NAC; CLASS A, STYLE Z
   AAC; CLASS A, STYLE Z
   NSC; CLASS A, STYLE Z
2. SEE SPECIFICATIONS FOR EQUIPMENT AND DEVICES.
3. FIRE ALARM WIRING SHALL BE INSTALLED AS PER SPECS.



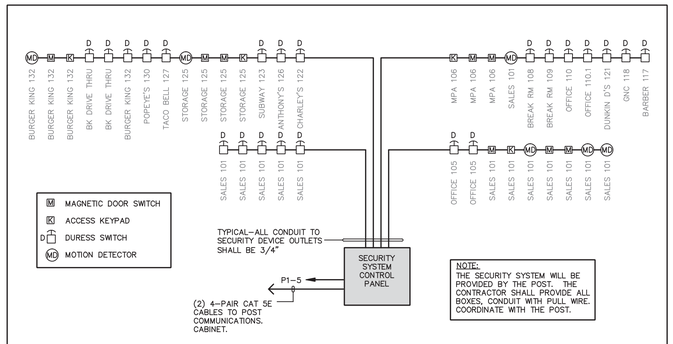
DRIVE THRU LOOP DETECTOR AT MENU/ORDER SIGN

NOT TO SCALE (4 / E5.02)



DRIVE THRU LOOP DETECTOR AT CASHIERS/PICK-UP WINDOW

NOT TO SCALE (3 / E5.02)

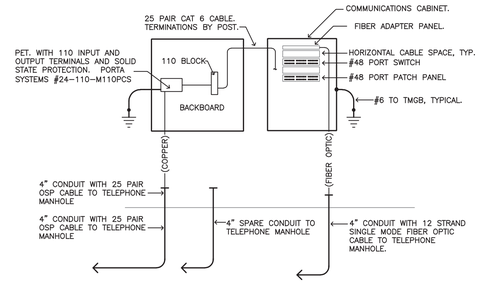


SECURITY SYSTEM RISER

NOT TO SCALE (2 / E5.02)

NOTES

1. ALL WORK AND COMPONENTS SHALL COMPLY WITH FT. BRAGG NEC INSTALLATION DESIGN CRITERIA AND THE DEPARTMENT OF ARMY TECHNICAL CRITERIA (1.3A.)
2. THE COMMUNICATIONS CABINET SHALL BE EQUAL TO HUBBELL #HSQ4826. PROVIDE WITH EQUIPMENT MOUNTING BRACKETS AND HWKF120 FAN KIT.
3. CONFIRM FIBER ADAPTER, SWITCH AND PATCH PANEL REQUIREMETS WITH FT. BRAGG NEC.



POST COMMUNICATIONS RISER DIAGRAM

NOT TO SCALE (1 / E5.02)

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PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
ELECTRICAL DETAILS

DATE: 6/8/12
SCALE:
SHEET: E5.02
DRAWING/PROJECT NO: 0530-06-000005

LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	LAMPS	TYPE	FINISH	MOUNTING	REMARKS
A	LSI	RXL-3-32-SS010-UE	3-F032/735	FLUOR.	WHITE	SUSPEND, 10' A.F.F.	–
B	WILLIAMS	50G-S24-332-SA12125-EB3-UNV	3-F032/735	FLUOR.	WHITE	LAY-IN W/CLIPS	–
C	–	AAFES FURNISHED/CONTRACTOR INSTALLED	–	LED	–	SURFACE	FREEZER/COOLER LIGHT
D	LSI	EG3-2-32	2-F032/735	FLUOR.	WHITE	SUSPEND, 10' A.F.F.	–
E	HUBBELL	VX-151 WITH GUARD	1-100A	INC.	WHITE	SURFACE	–
F	LSI	L-A-232-SL-SS0-UE	2-F032/735	FLUOR.	WHITE	LAY-IN WITH CLIPS	–
G	LSI	FL-A-232-SL-SS0-UE	2-F032/735	FLUOR.	WHITE	RECESSED	–
H	LSI	S-232-SSO-UE	2-F032/735	FLUOR.	WHITE	SUSPEND, 10' A.F.F.	–
H2	LSI	S-232-SSO-UE	2-F032/735	FLUOR.	WHITE	SURFACE	
L	WILLIAMS	XT-WW-4-154T5H-137W-EB1-UNV (WITH XT TRUNK)	1-FP54/830/HO	FLUOR.	MET. SILVER	SUSPEND, 12' A.F.F.	SEE NOTE 1
M	WILLIAMS	HE3G-D24-232-36S-EB2-UNV	2-F032/735	FLUOR.	WHITE	LAY-IN W/CLIPS	–
N		NOT USED					–
P	WILLIAMS	PH75-132T-EB-GX24q-3-120	1-CF32DT/E/IN/830	CFL	ALUM.	RECESSED	–
R	WILLIAMS	PH75-126Q-G24q-3-120	1-CF26DT/E/IN/830	CFL	ALUM.	RECESSED	–
S	LITECONTROL	P-ID-4628T8/48T8-BW-TCWM-LP/ELB10-2CWQ-120-FAI/ACC	6-F032/735	FLUOR.	WHITE	SUSPEND, 17' A.F.F.	SEE NOTE 3
S2	LITECONTROL	P-ID-4614T8/24T8-BW-TCWM-LP/ELB10-2CWQ-120-FAI/ACC	3-F032/735	FLUOR.	WHITE	SUSPEND, 17' A.F.F.	SEE NOTE 3
T1	LITECONTROL	(3)-85N-14T8-R/BW-CWM-G-ELB10-F-120	1-F032/735	FLUOR.	WHITE	LAY-IN	SEE NOTE 2
T2	LITECONTROL	(2)-85N-14T8-R/BW-CWM-G-ELB10-F-120	1-F032/735	FLUOR.	WHITE	LAY-IN	SEE NOTE 2
T3	LITECONTROL	(2)-85N-13T8-R/BW-CWM-G-ELB10-F-120	1-F025/735	FLUOR.	WHITE	LAY-IN	SEE NOTE 2
EA	KIM	WD14-D3/60L5K-120/DB/A-30	BY MANUFACTURER	LED	DRK, BRONZE	WALL, 9' A.F.F.	–
EB	SHAPER	674-WP-43-T5/2/28-SM-120	2-FP28/830/ECO	CFL	SILVER MET.	WALL, VERIFY HEIGHT	–
EB2	SHAPER	674-43-T5/2/28-SM-120	2-FP28/830/ECO	CFL	SILVER MET.	COLUMN-10' A.F.F.	–
EC	LSI	208H-CFL-142T-UNIV-208HFGLW	1-CF42DT/E/IN/830	CFL	WHITE	RECESSED	–
SA	LSI	CHH-3-400-F-MT-BRZ ON 30' TAPERED, STEEL, ROUND POLE	1-M400/U	MH	BRONZE	POLE	–
SB	LSI	(2@180)CHH-3-400-F-MT-BRZ ON 30' TAPERED, STEEL, ROUND POLE	2-M400/U	MH	BRONZE	POLE	–
EM	DUAL LITE	CV2	BY MANUFACTURER	INC.	WHITE	WALL/ROOF STRUCTURE	EMERGENCY LT.
EM	DUAL LITE	CV5	BY MANUFACTURER	INC.	WHITE	WALL/ROOF STRUCTURE	EM LIGHT W/REMOTE CAP.
RH	DUAL LITE	OMSSB	BY MANUFACTURER	HALO.	BLACK	WALL/STRUCTURE	REMOTE HEAD
X	DUAL LITE	LTURW3-0	BY MANUFACTURER	LED/INC.	WHITE	WALL ABOVE DOOR	COMBO EXIT/EMERGENCY LT.
X2	DUAL LITE	LTURW3	BY MANUFACTURER	LED/INC.	WHITE	WALL ABOVE DOOR	COMBO EXIT/EMERGENCY LT.

NOTES
1. QUANTITY OF FIXTURES PER RUN SHOWN ON PLAN. LENGTH OF TRUNK AS REQUIRED FOR LAYOUT. MOUNT FIXTURES 2' APART ON TRUNK. SUSPEND TRUNK WITH AIR CRAFT CABLE 12' A.F.F. EXACT HEIGHT/PLACEMENT WILL BE DETERMINED BY ARCHITECT. PROVIDE ACCESSORIES (JOINER UNITS, END CAPS, ETC.) AS REQUIRED.
2. PROVIDE ACCESSORIES (END CAPS, EXTENSIONS, ETC.) AS REQUIRED TO ACHIEVE A WALL TO WALL LAYOUT.
3. PROVIDE FIXTURE WITH ONE BALLAST FOR INDIRECT LAMP(S) AND ONE BALLASTS FOR THE DIRECT LAMPS. DIRECT LAMPS SHALL BE WIRED FOR LINEAR OPERATION.

OCCUPANCY SENSOR SCHEDULE

REF. #	MODEL #	MOUNTING/LOCATION	REMARKS
OS1	DT-200	CEILING-BARBER SHOP	RE: 8/E2.01
OS2	WT-1105	CEILING-RESTROOMS	RE: 7/E2.01
CU	BZ SERIES	CEILING/SURFACE-PER PLAN	POWER PACK/CONTROL UNIT

OCCUPANCY SENSORS SHALL BE EQUAL TO WATT STOPPER.

LIGHTING CONTROL PANEL SCHEDULE LCP

RELAY	DESCRIPTION	POLES	BRANCH CIRCUIT #	CONTROL
LR1	RETAIL SALES	1	LP-1	TIME SWITCH, MANUAL OVERRIDE 'A'
LR2	RETAIL SALES	1	LP-2	TIME SWITCH, MANUAL OVERRIDE 'B'
LR3	RETAIL SALES	1	LP-3	TIME SWITCH, MANUAL OVERRIDE 'A'
LR4	RETAIL SALES	1	LP-4	TIME SWITCH, MANUAL OVERRIDE 'B'
LR5	RETAIL SALES	1	LP-5	TIME SWITCH, MANUAL OVERRIDE 'A'
LR6	RETAIL SALES	1	LP-6	TIME SWITCH, MANUAL OVERRIDE 'B'
LR7	RETAIL SALES	1	LP-7	TIME SWITCH, MANUAL OVERRIDE 'C'
LR8	RETAIL SALES	1	LP-8	TIME SWITCH, MANUAL OVERRIDE 'C'
LR9	'ACCENT' LIGHTING	1	LP-9	TIME SWITCH, MANUAL OVERRIDE 'C'
LR10	'ACCENT' LIGHTING	1	LP-10	TIME SWITCH, MANUAL OVERRIDE 'C'
LR11	BUILDING EXTERIOR	1	LP-19 LP-25	PHOTOELECTRIC CONTROL
LR12	SEATING AREA LIGHTING	1	LP-22	TIME SWITCH, DAYLIGHT CONTROL
LR13	SEATING AREA LIGHTING	1	LP-24	TIME SWITCH, DAYLIGHT CONTROL
LR14	SEATING AREA LIGHTING	1	LP-26	TIME SWITCH, DAYLIGHT CONTROL
LR15	SEATING AREA LIGHTING	1	LP-28	TIME SWITCH, DAYLIGHT CONTROL
LR16	STORAGE/FOOD PREP LIGHTING	1	LP-17	TIME SWITCH, MANUAL OVERRIDE 'D'
LR17	STORAGE/FOOD PREP LIGHTING	1	LP-18	TIME SWITCH, MANUAL OVERRIDE 'D'
LR18	SEATING AREA SUSPENDED LIGHTING	1	LP-20	TIME SWITCH, DAYLIGHT CONTROL
LR19	SEATING AREA SUSPENDED LIGHTING	1	LP-21	TIME SWITCH, DAYLIGHT CONTROL
LR20	BUILDING EXTERIOR	1	LP-27	PHOTOELECTRIC CONTROL
LR21	SEATING AREA 'ACCENT' LIGHTING	1	LP-30	TIME SWITCH
LR22	EF-11	1	M1-23	TIME SWITCH
LR23	EF-10	1	M1-22	TIME SWITCH
LR24	EF-12	1	M1-24	TIME SWITCH
LR25	EF-15	1	M2-23	TIME SWITCH
LR26	EF-13	1	M2-25	TIME SWITCH
LR27	EF-14	1	M2-30	TIME SWITCH

NOTES
1. INTERIOR RELAYS SHALL BE STANDARD NORMALLY OPEN RELAYS.
2. EXTERIOR RELAYS SHALL BE LATCHING RELAYS.

LIGHTING CONTROL SYSTEM

THE CONTROL SYSTEM SHALL PROVIDE MANUAL AND AUTOMATIC CONTROL OF THE LOADS SHOWN IN THE SCHEDULE. MANUAL CONTROL SHALL BE PROVIDED BY (6) LOW VOLTAGE SWITCHES LOCATED ADJACENT TO THE CONTROL PANEL. THESE SWITCHES SHALL BE PROGRAMMABLE TO PROVIDE MANUAL CONTROL OF THE RELAYS NOTED IN THE SCHEDULE. AUTOMATIC CONTROL SHALL BE PROVIDED BY A INTEGRAL, PROGRAMMABLE TIME SWITCH, A REMOTE (ROOF MOUNTED) PHOTOELECTRIC CONTROL AND A PHOTO SENSOR FOR DAYLIGHTING CONTROL. LIGHT LEVELS FOR THE DAYLIGHTING SHALL BE FIELD PROGRAMMABLE. THE SYSTEM SHALL BE COOPER CONTROLS "GREENGATE" CKT32 CONTROLKEEPER TOUCHSCREEN OR EQUIVALENT MANUFACTURER AS DETERMINED BY THE CONTRACTING OFFICER. INSTALL ALL COMPONENTS PER THE MFRS. RECOMMENDATIONS

MOTOR STARTER SCHEDULE

MARK	EQUIPMENT	LOAD	TYPE	CONTROL	ACCESSORIES	REMARKS
MS1	BOILER PUMP P-3A	0.5 H.P. 208 V, 3ø	COMBINATION STARTER	HVAC CONTROL SYSTEM	H-O-A OPERATOR, GREEN PILOT LIGHT "ON", AUX. RELAY	–
MS2	BOILER PUMP P-3B	0.5 H.P. 208 V, 3ø	COMBINATION STARTER	HVAC CONTROL SYSTEM	H-O-A OPERATOR, GREEN PILOT LIGHT "ON", AUX. RELAY	–
MS3	CW PUMP P-1	10 H.P. 208 V, 3ø	REF. HVAC PLANS	HVAC CONTROL SYSTEM	–	SPECIFIED IN DIV. 15
MS4	HW PUMP P-2A	3 H.P. 208 V, 3ø	REF. HVAC PLANS	HVAC CONTROL SYSTEM	–	SPECIFIED IN DIV. 15
MS5	HW PUMP P-2B	3 H.P. 208 V, 3ø	REF. HVAC PLANS	HVAC CONTROL SYSTEM	–	SPECIFIED IN DIV. 15

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GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2005 EDITION OF THE N.E.C.
2. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO THE ARCHITECTURAL PLANS AND FIELD CONDITIONS FOR DIMENSIONS.
3. ALL CONDUCTORS SHALL BE COPPER.
4. ALL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE AS CALLED FOR ON PLANS OR WHERE PLANS DO NOT INDICATE, CONDUIT SHALL BE AS CALLED FOR IN SPECIFICATIONS.
5. ALL WIRING IN FINISHED SPACES SHALL BE CONCEALED, UNLESS NOTED OTHERWISE.
6. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE HVAC EQUIPMENT SPECIFIED ON THE MECHANICAL DRAWINGS AND IN DIVISION 15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT BEING FURNISHED AND TO PROVIDE THE CORRECT CONDUCTORS AND BREAKERS WITH NO ADDITIONAL COST TO AAFES. SHOULD THE LOAD OF THE EQUIPMENT BEING FURNISHED RESULT IN THE NEED TO INCREASE THE AMPACITY OF THE PANELS OR FEEDERS, THAT WORK SHALL ALSO BE PROVIDED AT NO ADDITIONAL COST TO AFFES.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
8. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
9. FIELD VERIFY THE EXISTING CONDITIONS AND MAKE ALLOWANCES FOR THE SAME.
10. VERIFY ALL ELECTRICAL SERVICE REQUIREMENTS WITH THE UTILITY CO. AND INCLUDE ALL WORK IN THE BID.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
$	SINGLE POLE SWITCH
$2	TWO POLE SWITCH
$3	THREE-WAY SWITCH
$T	SMOKE DETECTOR TEST SWITCH
$M	MOTOR STARTING SWITCH
PEC	PHOTOELECTRIC CONTROL
	DUPLEX RECEPTACLE
C S	DUPLEX RECEPTACLE ABOVE CEILING OR AT STRUCTURE
2	QUADRUPLEX RECEPTACLE
TV	TELEVISION RECEPTACLE
AC	ABOVE COUNTER RECEPTACLE
UC	UNDER COUNTER RECEPTACLE
	DUPLEX RECEPTACLE W/GROUND FAULT INTERRUPTER
WP	DUPLEX RECEPTACLE WITH WEATHERPROOF COVER
IG	RECEPTACLE WITH ISOLATED GROUND
X	SPECIAL RECEPTACLE. NUMBER INDICATES VOLTAGE.
	DUPLEX RECEPTACLE IN FLOOR BOX
J	JUNCTION BOX
XXX	MOTOR LOAD WITH DESCRIPTION AS FOLLOWS: RTU: ROOFTOP UNIT; AHU: AIR HANDLING UNIT; CU: CONDENSING UNIT; SF: SUPPLY FAN; EF: EXHAUST FAN; FF: FLY FAN; GUH: GAS UNIT HEATER; EUH: ELECTRIC UNIT HEATER
XX	DISCONNECT SWITCH WITH AMPACITY AS INDICATED.
	MOTOR STARTER
V/D	COMBINATION VOICE / DATA WALL BOX
	SINGLE GANG BOX WITH 3/4" CONDUIT TO CEILING SPACE.
D	DATA WALL BOX WITH 3/4" CONDUIT TO CEILING SPACE
	TELEPHONE OUTLET. BOX ONLY WITH 3/4" CONDUIT STUBBED INTO CEILING SPACE.
TV	TELEVISION OUTLET BOX (LOW POTENTIAL)
P	DOORBELL PUSHBUTTON
	DOORBELL SYSTEM BELL
	EMERGENCY STOP PUSHBUTTON OPERATOR
	DUCT MOUNTED SMOKE DETECTOR
	FIRE ALARM PULL STATION
VS	VENTILATION SHUTDOWN. PROVIDE PUSHBUTTON STATION WITH 2" DIAMETER RED MUSHROOM OPERATOR AND N.O. MOMENTARY CONTACT. PROVIDE STOPPER II HINGED LEXAN COVER AND CUSTOM LABEL VENTILATING EQUIPMENT EMERGENCY STOP.
S	EMERGENCY PROTECTION SYSTEMS SPEAKER
S	EMERGENCY PROTECTION SYSTEMS LOUDSPEAKER
	EMERGENCY PROTECTION SYSTEMS ANTENNA
FA	FIRE ALARM STROBE (VISUAL ONLY)
MN	MASS NOTIFICATION STROBE (VISUAL ONLY)
	FIRE ALARM FLOW SWITCH
	FIRE ALARM TAMPER SWITCH
	FIRE ALARM SMOKE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR
M	MAGNETIC DOOR SWITCH
K	SECURITY SYSTEM ACCESS KEYPAD
D	DURESS ALARM PUSHBUTTON
T	TEMPERATURE CONTROLLER

POPEYE'S PANELBOARD SCHEDULE – PANELBOARD PEQ

225 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 54 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
MARINATOR	600VA	#12	20A, 1P	1	2	20A, 1P	#12	720VA	REFRIGERATOR
CONVECTION OVEN	6KW	#10	30A, 3P	3	4	30A, 3P	#10	6KW	CONVECTION OVEN
				5	6				
				7	8				
BISCUIT HOLDING UNIT	1.44KW	#12	20A, 1P	9	10	20A, 1P	#12	300W	BATTER/SIFT TABLE
RETHERMALIZER	9.9KW	#6	60A, 2P	11	12	30A, 2P	#10	4KW	HOT WATER DISP.
				13	14				
HOT WATER DISP.	4KW	#10	30A, 2P	15	16	30A, 2P	#10	4KW	MICROWAVE
				17	18				
MICROWAVE	4KW	#10	30A, 2P	19	20	20A, 1P	#12	1.0kVA	FREEZER
				21	22	20A, 1P	#12	2.3KW	HOLDING CABINET
PACKING STATION	1.2kVA	#12	20A, 2P	23	24	20A, 1P	#12	540VA	HOLDING UNIT
				25	26	20A, 1P	#12	864VA	SANDWICH UNIT
VERTICAL TOASTER	1.5KW	#12	20A, 1P	27	28	20A, 1P	#12	480VA	U.C. REFRIGERATOR
PASS-THRU UNIT	3.3KW	#12	20A, 2P	29	30	20A, 2P	#12	894VA	PRODUCTION COUNTER
				31	32				
DED. HOLDING UNIT	5.0KW	#10	30A, 2P	33	34	20A, 1P	#12	1.0kVA	MENU BOARD
				35	36	20A, 1P	#12	1.0kVA	LOGO SIGN
SAFE	600VA	#12	20A, 1P	37	38	20A, 1P	#12	1.0kVA	P.O.S. PRINTERS
P.O.S. REGISTERS	1.0kVA	#12	20A. 1P	39	40	20A, 1P(ST)	#12	1.8kVA	FRYER BATTERY
SPARE	–	–	20A, 1P	41	42	20A, 1P	–	–	SPARE
–	–	–	–	43	44	–	–	–	–
–	–	–	–	45	46	–	–	–	–
KH-6 LTS/CONTROL	300W	#12	15A, 1P	47	48	15A,1P	#12	300W	KH-7 LTS/CONTROL
EF-6	1HP	#12	15A, 1P	49	50	15A, 3P	#12	0.5HP	EF-7
–	–	–	–	51	52				
–	–	–	–	53	54				

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

SUBWAY PANELBOARD SCHEDULE – PANELBOARD SEQ

100 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 30 22K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
BREAD OVEN	5135W	#10	30A, 2P	1	2	30A, 2P	#10	6240W	MW/CONVECT. OVEN
				3	4				
MICROWAVE	2KW	#12	20A, 1P	5	6	20A, 1P	#12	768VA	REF. BACK COUNTER
P.O.S. REGISTER	500VA	#12	20A, 1P	7	8	20A, 1P	#12	500VA	P.O.S. PRINTER
FRONT COUNTER	1.5kVA	#12	20A, 1P	9	10	20A, 1P	#12	1.5kVA	LEFT-HAND WARMER
MENU BOARD	--	#12	20A, 1P	11	12	15A, 1P	#12	100W	KH-4 CONTROLS
SPARE	--	--	20A, 1P	13	14	15A, 3P	#12	0.5HP	EF-4
SPARE	--	--	20A, 1P	15	16				
				17	18				
				19	20				
				21	22				
				23-41	24-42				

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

TACO BELL PANELBOARD SCHEDULE – PANELBOARD TEQ

225 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 42 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
R.H. HOLDING CABINET	1.9kVA	#12	20A, 1P	1	2	30A, 2P	#10	4.0kVA	HOT WATER DISPENSER
HOT WATER DISPENSER	4.0kVA	#10	30A, 2P	3	4				
				5	6	20A, 1P	#12	1.9kVA	L.H. HOLDING CABINET
GAS RETHERMALIZER	240VA	#12	20A, 1P(ST)	7	8	20A, 1P(ST)	#12	600VA	UC FREEZER
TIMER-1200	–	#12	20A, 1P(ST)	9	10	20A, 1P(ST)	#12	–	TIMER-24-TB
GAS FRYER-CONTROLS	1.1kVA	#12	20A, 1P(ST)	11	12	20A, 2P	#12	4.8kVA	FRUITISTA FREEZE
P.O.S. REGISTER	500VA	#12	20A, 1P	13	14				
P.O.S. PRINTER	500VA	#12	20A, 1P	15	16	20A, 1P	#12	500VA	SIGNAGE
KH-5 LTG & CONTROL	300W	#12	15A, 1P	17	18	15A, 3P	#12	0.5HP	EF-5
PANEL 'TEQ2'	57kVA	–	200A,3P(SB)	19	20				
				21	22				
				23	24	20A, 1P	--	--	SPARE
SPARE	--	--	20A, 1P	25	26				
				27-41	28-42				

** ST: SHUNT-TRIP CIRCUIT BREAKER SB: SUB-FEED BREAKER **

NOTE: PANEL 'TEQ2' PROVIDE BY EQUIPMENT MANUFACTURER. CONTRACTOR RESPONSIBLE FOR MAKING PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE DELFIELD PROVIDED BREAKER PANEL (TEQ2) BOX.
**REFER TO TACO BELL EQUIPMENT SCHEDULE-NOTE #1.
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

NOTE:

WIRE ALL SHUNT-TRIP CIRCUIT BREAKERS TO OPERATE UPON ACTIVATION OF THE RESPECTIVE HOOD FIRE SUPPRESSION SYSTEM.

CHARLEY'S PANELBOARD SCHEDULE – PANELBOARD BEQ

150 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE (2) 42EA. 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
CARBONATOR-#B10	744VA	#12	20A, 1P	1	2	20A, 1P	#12	636VA	8V SODA-#B11
(2)CARBONATOR-#B41	1488VA	#12	20A, 1P	3	4	30A, 2P	#10	6.2kVA	FROZEN COKE-#B12
ST SERVE/SHAKE-#B13	16.2kVA	#8	45A, 3P	5	6				
				7	8	20A, 2P	#12	2.4kvA	FRY DUMP-#B23
				9	10				
COFFEE-#B99.1	3.6kVA	#10	30A, 2P(CR)	11	12	20A, 1P	–	–	SPARE
				13	14	20A, 1P	#12	1.0kVA	FRY FREEZER-#B22.1
DISPLAY DEVICES-#21A	1.0kVA	#12	20A, 1P	15	16	20A, 1P	#12	1.0kVA	MEAT FREEZER-#B22
BROILER-#B21	360VA	#12	20A, 1P(ST)	17	18	20A, 1P	#12	1.0kVA	SPARE AT BROILER HD
MEAT FREEZER-B22	1.0kVA	#12	20A, 1P(ST)	19	20	20A, 1P	#12	1.0kVA	BK RECEPTACLES
FRYER FILTER-#B25	1.0kVA	#12	20A, 1P(ST)	21	22	20A, 1P(ST)	#12	2.5kVA	FRY HOLD-#B24
BISCUIT OVEN-#B28	9.7kVA	#10	30A, 3P(ST)	23	24	20A, 1P(ST)	#12	900VA	HOLDING CAB.-#B29
				25	26	20A, 1P	#12	540VA	U.C. REFRIG.-#B7.1
				27	28	20A, 1P	#12	500VA	MILK-#B7.2/JUICER
BLENDER-#B43	1.5kVA	#12	20A, 1P	29	30	20A, 1P	#12	540VA	U.C. REFRIG.-#B34
BLENDER-#B43	1.5kVA	#12	20A, 1P	31	32	20A, 1P	#12	1.0kVA	BK RECEPTACLES
U.C. REFIG.-#B34	540VA	#12	20A, 1P	33	34	20A, 1P	#12	300VA	SAFE-#B81
MENUBOARD-#B57	1.0kVA	#12	20A, 1P	35	36	20A, 1P	#12	1.0kVA	DISPLAY SIGNS
CHLR-#B40/DIP-#B42	1.5kVA	#12	20A, 1P	37	38	20A, 1P	#12	1.0kVA	VIDEO DISP. DEVICES
POS RECEPS.	360VA	#12	20A, 1P	39	40	20A, 3P(CR)	#12	5.4kVA	ICE MACHINE-#B14
D.T. RECEPS.	1.5kVA	#12	20A, 1P	41	42				
PANEL 'D'-BY K.E.S.	–	SEE DIAGRAM	150A, 3P	43	44				
				45	46	30A, 2P(CR)	#10	3.6kVA	FUTURE COFFEE
				47	48				
BROILER HD CONTROL	300W	#12	20A, 1P	49	50	20A, 1P	#12	300W	FRYER HD CONTROL
EF-9	0.75HP	#12	15A, 2P	51	52	15A, 2P	#12	0.75HP	EF-8
				53	54				
BK RECEPTACLES	1.0kVA	#12	20A, 1P	55	56	20A, 1P	#12	1.0kVA	BK RECEPTACLES
SPARE	–	–	20A, 1P	57	58	20A, 1P	#12	–	D/T ORDER CON. UNIT
EXTERIOR SIGN	1.8kVA	#12	20A, 1P	59	60	–	–	–	–

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

ANTHONY'S PANELBOARD SCHEDULE – PANELBOARD AEQ

125 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 42 22K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
FOOD WARMER	500W	#12	15A, 1P	1	2	20A, 1P	#12	1.5kVA	AUTO DOUGH PRESS
TOP CONVEYOR OVEN	14.4KW	#8	50A, 3P(ST)	3	4	50A, 3P(ST)	#8	14.4KW	LOWER CONVEYOR OVEN
				5	6				
				7	8				
UC REFRIGERATOR	500VA	#12	20A, 1P	9	10	20A, 1P	#12	155W	MENU BOARD
HOLDING CABINET	1800W	#12	20A, 1P	11	12	20A, 1P	–	–	SPARE
HEATED DISPLAY	1470W	#12	20A, 1P	13	14	20A, 1P	#12	1470W	HEATED DISPLAY
P.O.S. REGISTER	500VA	#12	20A, 1P	15	16	20A, 1P	#12	500VA	P.O.S. PRINTER
PIZZA TABLE	1080VA	#12	20A, 1P	17	18	20A, 1P	#12	500VA	UC REFRIGERATOR
ACTIVITY SIGN	--	#12	20A ,1P	19	20	15A, 3P	#12	0.5HP	EF-3
KH-3 LTG & CONTROL	300W	#12	15A, 1P	21	22				
SPARE	–	–	20A, 1P	23	24				
				25-41	26-42				

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

DUNKIN DONUTS PANELBOARD SCHEDULE – PANELBOARD DEQ

200 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 54 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
101E-FLAVOR DISP.	150VA	#12	15A, 1P	1	2	15A, 1P	#12	480VA	101D-SUGAR DISP.
101C-DAIRY DISP.	360VA	#12	15A, 1P	3	4	25A, 1P	#12	3/4HP	101Q3-MULTI HPR GNDR
101PP3-SINGLE COFFEE	3.5kVA	#8	40A, 2P	5	6	40A, 2P	#8	6.2kVA	101P3-TWIN COFFEE
				7	8				
P.O.S. EQUIPMENT	1.0kVA	#12	20A, 1P(IG)	9	10	20A, 1P	#12	540VA	REFRIGERATOR-TRUE
UC REFRIGERATOR	600VA	#12	20A, 1P	11	12	20A, 2P	#12	3.3kVA	COOLATTA MACHINE
ICED COFFEE BREWER	4.0kVA	#10	25A, 2P	13	14				
				15	16	20A, 1P	#12	2.4kVA	DUNKACCINO MACHINE
UC REFRIGERATOR	600VA	#12	20A, 1P	17	18	30A, 2P	#10	6.2KW	ESPRESSO MACHINE
UC REFRIGERATOR	600VA	#12	20A, 1P	19	20				
PRINTER	1.0kVA	#12	20A, 1P	21	22	15A, 1P	#12	1.0kVA	ICE MACHINE
FINISH TABLE-PWR BASE	1.0kVA	#12	15A, 1P	23	24	20A, 1P	–	–	SPARE
CONVECT. OVEN	936VA	#12	15A, 1P	25	26	15A, 1P	#12	936VA	CONVECT. OVEN
CONVECT. OVEN	8.0kVA	#10	30A, 3P	27	28	30A, 3P	#10	8.0kVA	CONVECT. OVEN
				29	30				
				31	32				
REACH-IN REFR.	1.0kVA	#12	20A, 1P	33	34	20A, 1P	#12	1.5kVA	SPARE RECEPS.
SPARE RECEPS.	1.5kVA	#12	20A, 1P	35	36	15A, 1P	#12	100W	KH-1 CONTROLS
SIGNAGE	1.5kVA	–	20A, 1P	37	38	15A, 3P	#12	0.5HP	EF-1
WATER FILTER	500VA	#12	20A, 1P	39	40				
SPARE	–	–	20A, 1P	41	42				

** IG: ISOLATED GROUND **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

DATE	REVISION NO. & DESCRIPTION

LAROSE & SCHOBER ENGINEERING
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SOLICITATION DOCUMENTS

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PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE: ELECTRICAL SCHEDULES

DATE: 6/8/12 SCALE: SHEET: E6.01
DRAWING/PROJECT NO: 0530-06-000005 OF ____

SWITCHBOARD SCHEDULE MDP

1600 AMP MAIN BREAKER* 277/480 VOLTS 3 PHASE
MFR. SQUARE D BRANCH MOUNTING SPACE SEE BELOW
TYPE QED/I-LINE
WITH EQUIPMENT GROUND BAR. 65K AIC MINIMUM

CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	REMARKS
1	100A, 3P	SEE DIAGRAM	9.6kVA	PANEL P1
2	100A, 3P	SEE DIAGRAM	13.0kVA	PANEL P2
3	150A, 3P	SEE DIAGRAM	23.8kVA	PANEL P3
4	225A, 3P	SEE DIAGRAM	13.8kVA	PANEL P4
5	200A, 3P	SEE DIAGRAM	42.6kVA	PANEL LP
6	150A, 3P	SEE DIAGRAM	36.2kVA	PANEL SN
7	200A, 3P	SEE DIAGRAM	49.2kVA	PANEL M1
8	200A, 3P	SEE DIAGRAM	37.6kVA	PANEL M2
9	200A, 3P	SEE DIAGRAM	59.7kVA	PANEL REF 1
10	150A, 3P	SEE DIAGRAM	30.7kVA	PANEL REF 2
11	225A, 3P	SEE DIAGRAM	57.9kVA	PANEL REF 3
12	200A, 3P	SEE DIAGRAM	45.5kVA	PANEL PEQ
13	150A, 3P	SEE DIAGRAM	36.5kVA	PANEL BEQ
14	100A, 3P	SEE DIAGRAM	16.8kVA	PANEL SEQ
15	125A, 3P	SEE DIAGRAM	24.5kVA	PANEL AEQ
16	225A, 3P	SEE DIAGRAM	16.2kVA	PANEL TEQ
17	200A, 3P	SEE DIAGRAM	55.3kVA	PANEL DEQ
18	100A, 3P	SEE DIAGRAM	13.9kVA	PANEL CEQ

ABBREVIATIONS:
- AF: AFCI CIRCUIT BREAKER
- GF: GFCI CIRCUIT BREAKER
- ST: SHUNT-TRIP CIRCUIT BREAKER
- HL: PROVIDE CIRCUIT BREAKER HANDLE LOCK
- CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS W/EQUIPMENT SUPPLIER

*MULTI-SECTION SWITCHBOARD. MAIN BREAKER SHALL BE A 2000 AMP FRAME, STANDARD FUNCTION (WITH GFP) 80% RATED, ELECTRONIC TRIP BREAKER WITH A 1600 AMP RATING PLUG AND EQUIPPED FOR REMOTE TRIP OPERATION. DISTRIBUTION SECTION SHALL HAVE DOUBLE-ROW CONSTRUCTION WITH SPACE FOR FUTURE BRANCH BREAKERS AS INDICATED ABOVE.

NOTES
1. ALL BRANCH BREAKERS SHALL BE CURRENT LIMITING.
2. PROVIDE AN INTERNALLY MOUNTED 24KA TVSS UNIT WITH A SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD M1

225 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 42
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
AHU-1	3.96kVA	#12	20A, 3P	1	2	20A, 3P	#12	3.96kVA	AHU-2
				3	4				
				5	6				
AHU-3	6.0kVA	#8	35A, 3P	7	8	20A, 1P	#12	1.1kVA	AHU-4
				9	10	15A, 2P	#12	1.4kVA	AHU-5
				11	12				
HRC-1A	13.5kVA	#4	70A, 3P	13	14	–	–	–	–
				15	16	70A, 3P	#4	13.5kVA	HRC-1B
				17	18				
HWB-1A	1HP	#10	30A, 1P	19	20				
HWB-1B	1HP	#10	30A, 1P	21	22	15A, 1P	#12	70W	EF-10
EF-11	70W	#12	15A, 1P	23	24	15A, 1P	#12	60W	EF-12
CW PUMP P-1	10HP	#6	60A, 3P	25	26	20A, 3P	#12	3HP	HW PUMP P-2A
				27	28				
				29	30				
HW PUMP P-2B	3HP	#12	20A, 3P	31	32	15A, 3P	#12	0.5HP	BOILER PUMP P-3A
				33	34				
				35	36				
BOILER PUMP P-3B	0.5HP	#12	15A, 3P	37	38	–	–	–	–
				39	40	–	–	–	–
				41	42	–	–	–	–
–	–	–	–	29	30	–	–	–	–

** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD M2

225 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 42
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
AHU-11	648VA	#12	15A, 3P	1	2	20A, 1P	#12	360VA	AHU-12
				3	4	20A, 1P	#12	1.1kVA	AHU-13
				5	6	20A, 1P	#12	1.1kVA	AHU-14
AHU-15	1.1kVA	#12	20A, 1P	7	8	15A, 3P	#12	1.1kVA	AHU-16
AHU-10	360VA	#12	20A, 1P	9	10				
AHU-17	6.0kVA	#8	35A, 3P	11	12				
				13	14	60A, 3P	#6	16.0kVA	AHU-6
				15	16				
AHU-7	1.1kVA	#12	20A, 1P	17	18				
AHU-8	360VA	#12	20A, 1P	19	20	20A, 1P	#12	552VA	AHU-9
AHU-19	360VA	#12	20A, 1P	21	22	20A, 1P	#12	1.1kVA	AHU-20
EF-15	90W	#12	15A, 1P	23	24	35A, 3P	#8	6.0kVA	AHU-18
EF-13	80W	#12	15A, 1P	25	26				
AHU-21	1.1kVA	#12	20A, 1P	27	28				
				29	30	15A, 1P	#12	80W	EF-14
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD SN

150 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 60 22K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
TWIN COFFEE BREWER	6.05KW	#10	30A, 2P	1	2	20A, 1P	#12	1.8KW	CAPPUCCINO DISPENSER
				3	4	20A, 1P	#12	1.8KW	MULTI-FLAVOR DISP.
ICE TEA BREWER	1.7KW	#12	20A, 1P	5	6	20A, 1P	#12	1.8KW	GOURMET ICE SYSTEM
FRZN CARB BEV DISP	4.8kVA	#10	30A, 2P	7	8	30A, 2P	#10	4.8kVA	FRZN CARB BEV DISP
				9	10				
POST MIX-8 HEAD	360VA	#12	20A, 1P	11	12	20A, 1P	#12	360VA	POST MIX-8 HEAD
ICE MAKER/COND.	2.8kVA	#10	20A, 2P	13	14	20A, 2P	#10	2.8kVA	ICE MAKER/COND.
				15	16				
MICROWAVE	1.2KW	#12	20A, 1P	17	18	20A, 1P	#12	1.2KW	MICROWAVE
DISPLAY FREEZER	1.3kVA	#12	20A, 1P	19	20	20A, 1P	#12	540VA	SANDWICH COOLER
SANDWICH COOLER	540VA	#12	20A, 1P	21	22	20A, 1P	#12	540VA	SANDWICH COOLER
SANDWICH COOLER	540VA	#12	20A, 1P	23	24	20A, 1P	#12	200W	CHILI/CHEEZE
HOT TO GO	636VA	#12	20A, 1P	25	26	20A, 1P	#12	1320W	HOT DOG GRILL
HOT DOG GRILL	1320W	#12	20A, 1P	27	28	20A, 1P	#12	150W	CREAMER
UC REFRIGERATOR	500VA	#12	20A, 1P	29	30	20A, 1P	#12	500VA	UC REFRIGERATOR
UC REFRIGERATOR	500VA	#12	20A, 1P	31	32	20A, 1P	#12	500VA	UC REFRIGERATOR
UC FREEZER	888VA	#12	20A, 1P	33	34	20A, 1P	#12	540VA	ICE CREAM FREEZER
BAG IN BOX	500VA	#12	20A, 1P	35	36	20A, 1P	#12	500VA	WATER FILTERS
ICE MERCHANDISER	500VA	#12	20A, 1P	37	38	20A, 1P	#12	500VA	ICE MERCHANDISER
–	–	–	–	39	40	20A, 1P	#12	600VA	FREEZER
HOT DOG GRILL	1320W	#12	20A, 1P	41	42	20A, 1P	#12	200W	CHEESE DISP.
FRZN BEV. BLENDER	1.0kVA	#12	20A, 1P	43	44	20A, 1P	–	–	SPARE
HOT TO GO	636VA	#12	20A, 1P	45	46	20A, 1P	–	–	SPARE
				47–59	48–60				

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

CHARLEY'S PANELBOARD SCHEDULE – PANELBOARD CEQ

100 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 42 22K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
P.O.S. REGISTER	500VA	#12	20A, 1P	1	2	20A, 1P	#12	500VA	P.O.S. PRINTER
FOOD WARM/DUMP ST.	828VA	#12	20A, 1P(ST)	3	4	20A, 1P(ST)	#12	300W	GAS FRYER
SANDWICH/SALAD UNIT	552VA	#12	15A, 1P(ST)	5	6	20A, 1P(ST)	#12	100VA	GAS GRIDDLE
CONVEYOR TOASTER	4.6KW	#12	30A, 2P(ST)	7	8	20A, 1P	#12	600VA	REFRIGERATED TABLE
				9	10	20A, 1P	#12	300W	SNEEZE GUARD W/LIGHT
MONITOR	500VA	#12	20A, 1P	11	12	20A, 1P	#12	1kVA	SIGNAGE
REFRIGERATED TABLE	600VA	#12	20A, 1P	13	14	15A, 1P	#12	1KW	HOT TOPPING
BEVERAGE DISPENSER	1020VA	#12	20A, 1P	15	16	15A, 1P	#12	300W	KH-2 LTG & CONTROL
SPARE	--	--	20A, 1P	17	18	15A, 3P	#12	1.5HP	EF-2
SPARE	--	--	20A, 1P	19	20				
				21	22				
				23–41	24–42				

** ST: SHUNT-TRIP CIRCUIT BREAKER HL: HANDLE-LOCK CIRCUIT BREAKER CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD P1

100 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 30
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
TTB	500VA	#12	20A, 1P	1	2	20A, 1P	#12	750VA	FACP
SPACE	--	--	--	3	4	20A, 1P	#12	300VA	DOORBELL SYSTEM
SECURITY SYSTEM	500VA	#12	20A, 1P	5	6	20A, 1P	#12	250VA	WIRELESS ACCESS REC.
NETWORK EQUIPMENT	1.2KVA	#12	20A, 1P	7	8	20A, 1P	#12	1.2KVA	NETWORK EQUIPMENT
SECURITY RECEPTS.	360VA	#12	20A, 1P	9	10	20A, 1P	#12	500VA	AUDIO SYSTEM REC.
CASHIER RECEPTS.	360VA	#12	20A, 1P	11	12	20A, 1P	#12	360VA	CASHIER RECEPTS.
CASHIER RECEPTS.	360VA	#12	20A, 1P	13	14	20A, 1P	#12	360VA	CASHIER RECEPTS.
CASHIER RECEPTS.	360VA	#12	20A, 1P	15	16	20A, 1P	#12	720VA	CASHIER RECEPTS.
COMM. CABINET	500VA	#12	20A, 1P	17	18	--	--	--	SPACE
SPACE	--	--	--	19	20	--	--	--	SPACE
SPACE	--	--	--	21	22	--	--	--	SPACE
SPACE	--	--	--	23	24	--	--	--	SPACE
SPACE	--	--	--	25	26	--	--	--	SPACE
SPACE	--	--	--	27	28	--	--	--	SPACE
SPACE	--	--	--	29	30	--	--	--	SPACE

** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD P2

100 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 30
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
EXTERIOR RECEPTS.	540VA	#12	20A, 1P	1	2	20A, 1P	#12	540VA	EXTERIOR RECEPTS.
RECEPTACLES	720VA	#12	20A, 1P	3	4	20A, 1P	#12	900VA	RECEPTACLES
OFFICE RECEPTS.	360VA	#12	20A, 1P	5	6	20A, 1P	#12	1.2KVA	COUNTER RECEPTS.
EAS	1662VA	#12	20A, 1P	7	8	20A, 1P	#12	500VA	SELF SERVICE
ATM	750VA	#12	20A, 1P	9	10	20A, 1P	#12	360VA	RECEPTACLES
RECEPTACLES	540VA	#12	20A, 1P	11	12	20A, 1P	#12	500VA	POWER DOOR
RECEPTACLES	540VA	#12	20A, 1P	13	14	20A, 1P	#12	360VA	RCVG. RECEPTS.
FF-1	1.1KVA	#12	20A, 1P	15	16	20A, 1P	#12	720VA	ROOF RECEPTACLES
BALER	–	#12	20A, 3P	17	18	20A, 1P	#12	720VA	BREAK RM RECEPS.
				19	20	20A, 1P	#12	1.0kVA	BREAK RM RECEP.
				21	22	20A, 1P	#12	500VA	WATER FILTERS
REACH-IN	5.0	#10	30A, 2P(CR)	23	24	20A, 1P	#12	1662VA	EAS
				25	26	20A, 1P	#12	500VA	FIRE DOOR OPERATOR
DOOR OPERATOR	500VA	#12	20A, 1P	27	28	20A, 1P	#12	1.8kVA	EXTERIOR SIGN
EXTERIOR SIGN	1.8kVA	#12	20A, 1P	29	30	20A, 1P	#12	1.8kVA	EXTERIOR SIGN
EF16	–	#12	20A, 1P	31	32				
				33	34				
				35	36				
				37	38	30A, 3P	#10	5KW	DOCK LIFT
				39	40				
				41	42				

** CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD P3

225 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 42
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
BREAK RM RECEPS	720VA	#12	20A, 1P	1	2	20A, 1P	#12	1.0kVA	BREAK RM RECEP.
OFFICE RECEP.	180VA	#12	20A, 1P	3	4	20A, 1P	#12	360VA	OFFICE RECEPS.
RECEPTACLES	720VA	#12	20A, 1P	5	6	20A, 1P	#12	1.0kVA	PREP AREA RECEP.
REACH-IN	1.5kVA	#12	20A, 1P	7	8	20A, 1P	#12	1.5kVA	REACH-IN
REACH-IN	1.5kVA	#12	20A, 1P	9	10	20A, 1P	#12	1.5kVA	REACH-IN
CARBONATORS	1.5kVA	#12	20A, 1P	11	12	20A, 1P	#12	540VA	RECEPTACLES
RECIEVING RECEPS.	360VA	#12	20A, 1P	13	14	20A, 1P	#12	540VA	RECEPTACLES
RECEPTACLES	720VA	#12	20A, 1P	15	16	20A, 1P	#12	1.5kVA	REACH-IN
REACH-IN	1.5kVA	#12	20A, 1P	17	18	20A, 1P	#12	1.5kVA	REACH-IN
REACH-IN	1.5kVA	#12	20A, 1P	19	20	20A, 1P	#12	1.0kVA	DRINK DISPENSER
EXTERIOR RECEPTACLE	180VA	#12	20A, 1P	21	22	20A, 1P	#12	1.0kVA	DRINK DISPENSER
COFFEE MAKER	4.0kVA	#10	30A, 2P	23	24	20A, 1P	#12	360VA	RECEPTACLES
				25	26	20A, 1P	#12	500VA	WATER FILTERS
COFFEE MAKER	4.0kVA	#10	30A, 2P	27	28	20A, 1P	#12	500VA	WATER FILTERS
				29	30	20A, 1P	#12	500VA	WATER FILTERS
CARBONATORS	1.5kVA	#12	20A, 1P	31	32	20A, 1P	#12	500VA	WATER FILTERS
HOT BOX	1.5kVA	#12	20A, 1P	33	34	20A, 1P	#12	1.5kVA	HOT BOX
EF17	–	#12	20A, 1P	35	36				
				37	38				
				39	40				
				41	42				

** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD P4

225 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 42
WITH EQUIPMENT GROUND BAR. (10K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
BARBER UNIT RECEP.	360VA	#12	20A, 1P	1	2	20A, 1P	#12	1.2kVA	HAIR VACUUM
BARBER UNIT RECEP.	360VA	#12	20A, 1P	3	4	20A, 1P	#12	1.2kVA	HAIR VACUUM
BARBER UNIT RECEP.	360VA	#12	20A, 1P	5	6	20A, 1P	#12	1.2kVA	HAIR VACUUM
BARBER UNIT RECEP.	360VA	#12	20A, 1P	7	8	20A, 1P	#12	1.2kVA	HAIR VACUUM
BARBER UNIT RECEP.	360VA	#12	20A, 1P	9	10	20A, 1P	#12	1.2kVA	HAIR VACUUM
RECEPTACLE	180VA	#12	20A, 1P	11	12	20A, 1P	#12	540VA	RECEPTACLE
RECEPTACLE	540VA	#12	20A, 1P	13	14	20A, 1P	#12	900VA	EXT. RECEPTACLE
RECEPTACLE	720VA	#12	20A, 1P	15	16	20A, 1P	#12	540VA	GNC RECEPS
GNC RECEPS	540VA	#12	20A, 1P	17	18	20A, 1P	#12	360VA	GNC RECEPS
EXTERIOR RECEPTACLES	720VA	#12	20A, 1P	19	20	20A, 1P(CR)	#12	750VA	ATM
RECEPTACLE	180VA	#12	20A, 1P	21	22	20A, 1P	#12	360VA	RECEPTACLES
GNC RECEPS	360VA	#12	20A, 1P	23	24	20A, 1P	#12	1.0kVA	COOLER-GNC
GNC RECEPS	360VA	#12	20A, 1P	25	26	20A, 1P	#12	1.8kVA	EXTERIOR SIGN
DOOR OPERATOR	500VA	#12	20A, 1P	27	28	20A, 1P	#12	1.5kVA	POWER DOOR
POWER DOOR	1.5kVA	#12	20A, 1P	29	30	20A, 1P	#12	–	EF18
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

** CR: CONFIRM BRANCH CIRCUIT REQUIREMENTS **
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD REF1

200 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 42 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
WALK-IN COOLER CU	6.6kVA	–	40A, 3P	1	2	40A, 3P	–	6.6kVA	WALK-IN COOLER CU
				3	4				
				5	6				
WALK-IN FRZR CU	12.1kVA	–	60A, 3P	7	8	60A, 3P	–	12.1kVA	WALK-IN FRZR CU
				9	10				
				11	12				
GLASS DR. CLR/FRZR	–	–	20A, 1P	13	14	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	15	16	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	17	18	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	19	20	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	21	22	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	23	24	20A, 1P	–	–	GLASS DR. CLR/FRZR
GLASS DR. CLR/FRZR	–	–	20A, 1P	25	26	20A, 1P	–	–	GLASS DR. CLR/FRZR
				27	28	60A, 3P	#6	11KVA	ICE MACHINE
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

BRANCH CIRCUIT WIRING TO WALK-INS AF/AI
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD REF2

150 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 30 10K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
OUTDOOR-COOLER CU	4.3kVA	–	20A, 3P	1	2	40A, 3P	–	8.9kVA	OUTDOOR-FREEZER CU
				3	4				
				5	6				
2-COMP. CLR/FRZR	–	–	20A, 1P	7	8	20A, 1P	–	–	2-COMP. CLR/FRZR
2-COMP. CLR/FRZR	–	–	20A, 1P	9	10	20A, 1P	–	–	2-COMP. CLR/FRZR
INDOOR-COOLER CU	4.3kVA	–	20A, 3P	11	12	20A, 1P	–	–	INDOOR COOLER
				13	14	20A, 1P	–	–	INDOOR COOLER
				15	16	20A, 1P	–	–	INDOOR COOLER
				17	18	60A, 3P	#6	11KVA	ICE MACHINE
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				

BRANCH CIRCUIT WIRING TO COOLERS/FREEZERS AF/AI
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD REF3

225 AMP MAIN BREAKER 120/208 VOLTS 3 PHASE MFR. SQUARE D TYPE NQ WIDTH 20"
FLUSH ____ SURFACE X BRANCH MOUNTING SPACE 42 22K AIC MINIMUM

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
OUTDOOR-COOLER CU	4.3kVA	–	20A, 3P	1	2	20A, 3P	–	4.3kVA	OUTDOOR-COOLER CU
				3	4				
				5	6				
OUTDOOR-COOLER CU	4.3kVA	–	20A, 3P	7	8	40A, 3P	–	8.9kVA	OUTDOOR-FREEZER CU
				9	10				
				11	12				
OUTDOOR-FREEZER CU	8.9kVA	–	40A, 3P	13	14	40A, 3P	–	8.9kVA	OUTDOOR-FREEZER CU
				15	16				
				17	18				
6-COMP. CLR/FRZR	–	–	20A, 1P	19	20	20A, 1P	–	–	6-COMP. CLR/FRZR
6-COMP. CLR/FRZR	–	–	20A, 1P	21	22	20A, 1P	–	–	6-COMP. CLR/FRZR
6-COMP. CLR/FRZR	–	–	20A, 1P	23	24	20A, 1P	–	–	6-COMP. CLR/FRZR
6-COMP. CLR/FRZR	–	–	20A, 1P	25	26	20A, 1P	–	–	6-COMP. CLR/FRZR
6-COMP. CLR/FRZR	–	–	20A, 1P	27	28	60A, 3P	#6	11KVA	ICE MACHINE
6-COMP. CLR/FRZR	–	–	20A, 1P	29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

BRANCH CIRCUIT WIRING TO COOLERS/FREEZERS AF/AI
** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

PANELBOARD SCHEDULE – PANELBOARD LP

225 AMP MAIN LUGS ONLY 120/208 VOLTS 3 PHASE BRANCH MOUNTING SPACE 42
WITH EQUIPMENT GROUND BAR. (22K AIC MINIMUM)

DESCRIPTION	LOAD	WIRE SIZE	BKR. SIZE	CIRC. NO.	CIRC. NO.	BKR. SIZE	WIRE SIZE	LOAD	DESCRIPTION
SALES AREA LIGHTING	1690VA	#12	20A, 1P	1	2	20A, 1P	#12	1690VA	SALES AREA LIGHTING
SALES AREA LIGHTING	1363VA	#12	20A, 1P	3	4	20A, 1P	#12	1363VA	SALES AREA LIGHTING
SALES AREA LIGHTING	1472VA	#12	20A, 1P	5	6	20A, 1P	#12	1472VA	SALES AREA LIGHTING
SALES AREA LIGHTING	818VA	#12	20A, 1P	7	8	20A, 1P	#12	818VA	SALES AREA LIGHTING
ACCENT LIGHTING	976VA	#12	20A, 1P	9	10	20A, 1P	#12	793VA	ACCENT LIGHTING
LIGHTING	1402VA	#12	20A, 1P	11	12	20A, 1P	#12	--	CLR/FZR LIGHTING
EM/EXIT LIGHTING	1003VA	#12	20A, 1P	13	14	20A, 1P	#12	908VA	LIGHTING
LIGHTING	1314VA	#12	20A, 1P	15	16	20A, 1P	#12	1308VA	LIGHTING
LIGHTING	1471VA	#12	20A, 1P	17	18	20A, 1P	#12	1553VA	LIGHTING
LIGHTING	1609VA	#12	20A, 1P	19	20	20A, 1P	#12	654VA	SUSPENDED LIGHTING
SUSPENDED LIGHTING	654VA	#12	20A, 1P	21	22	20A, 1P	#12	1722VA	SEATING LIGHTING
EXTERIOR LIGHTING	816VA	#12	20A, 1P	23	24	20A, 1P	#12	1299VA	SEATING LIGHTING
EXTERIOR LIGHTING	700VA	#12	20A, 1P	25	26	20A, 1P	#12	1166VA	SEATING LIGHTING
EXTERIOR LIGHTING	969VA	#12	20A, 1P	27	28	20A, 1P	#12	1114VA	SEATING LIGHTING
LIGHTING	384VA	#12	20A, 1P	29	30	--	--	--	SPACE
SPACE	--	--	--	31	32	--	--	--	SPACE

** PROVIDE INTERNALLY MOUNTED 100KA TVSS UNIT WITH SURGE COUNTER.

NOTE:

WIRE ALL SHUNT-TRIP CIRCUIT BREAKERS TO OPERATE UPON ACTIVATION OF THE RESPECTIVE HOOD FIRE SUPPRESSION SYSTEM.

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
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PROFESSIONAL ENGINEER
6/7/12

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PROJECT: 82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE: ELECTRICAL SCHEDULES

DATE: 6/8/12
SCALE:
SHEET: E6.02
DRAWING/PROJECT NO: 0530-06-000005
OF

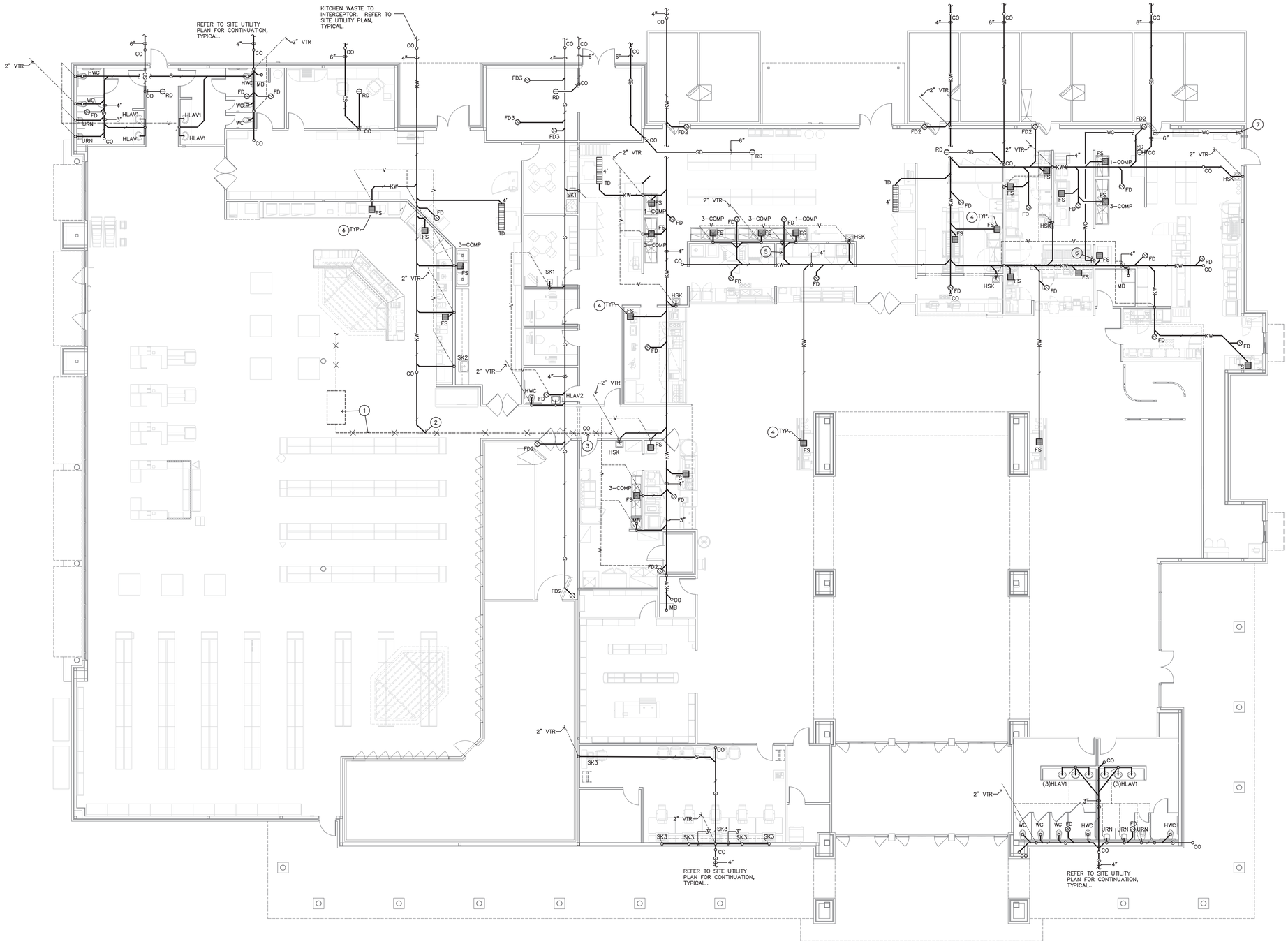
PIPING LEGEND

WS	WATER SERVICE	SD	STORM DRAIN		CAP		WATER HAMMER ARRESTOR	CO	CLEANOUT
CW	COLD WATER	OD	OVERFLOW DRAIN		EQUIPMENT CONNECTION		BALL VALVE	RD	ROOF DRAIN
HW	HOT WATER	G	GAS		ELBOW UP		CHECK VALVE	R	GAS PRESSURE REGULATOR
HWR	HOT WATER RETURN	HPG	HIGH PRESSURE GAS		ELBOW DOWN		CIRCUIT BALANCING VALVE		DENOTES "CONNECT TO EXISTING"
S	SEWER		EXISTING PIPE		TEE		PRESSURE REDUCING VALVE		
KW	KITCHEN WASTE		PIPE BELOW GRADE		TEE UP		PRESSURE RELIEF VALVE		
V	VENT		PIPING CONTINUATION		TEE DOWN		FLOOR DRAIN		

SOME SYMBOLS MAY NOT OCCUR ON THESE PLANS

KEY NOTES

1. REMOVE EXISTING GREASE INTERCEPTOR. ABANDON/REMOVE THE EXISTING KITCHEN WASTE LINE.
2. EXTEND THE EXISTING KITCHEN WASTE LINE FOR USE UNTIL PHASE 3 DEMOLITION.
3. REMOVE NORTHERN PORTION OF THE EXISTING KITCHEN WASTE AND INSTALL CLEANOUT AT END OF LINE. REFER TO PHASING PLAN.
4. PIPE EQUIPMENT WASTE (INDIRECT) TO FLOOR SINK. REFER TO THE EQUIPMENT SCHEDULE ON THE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS.
5. AF/CI COUNTER MOUNTED HAND SINK.
6. 1" BLACK STEEL WASTE GREASE LINE. PIPE TO GREASE COLLECTION SYSTEM ON FRYER FILTER SYSTEM.
7. AF/AI WASTE GREASE TANK. LEAVE 1" WASTE GREASE LINE FOR CONNECTIONS BY OTHERS.



WASTE PIPING PLAN

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

EXCHANGE™

STATE OF MISSOURI
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

WASTE PIPING PLAN

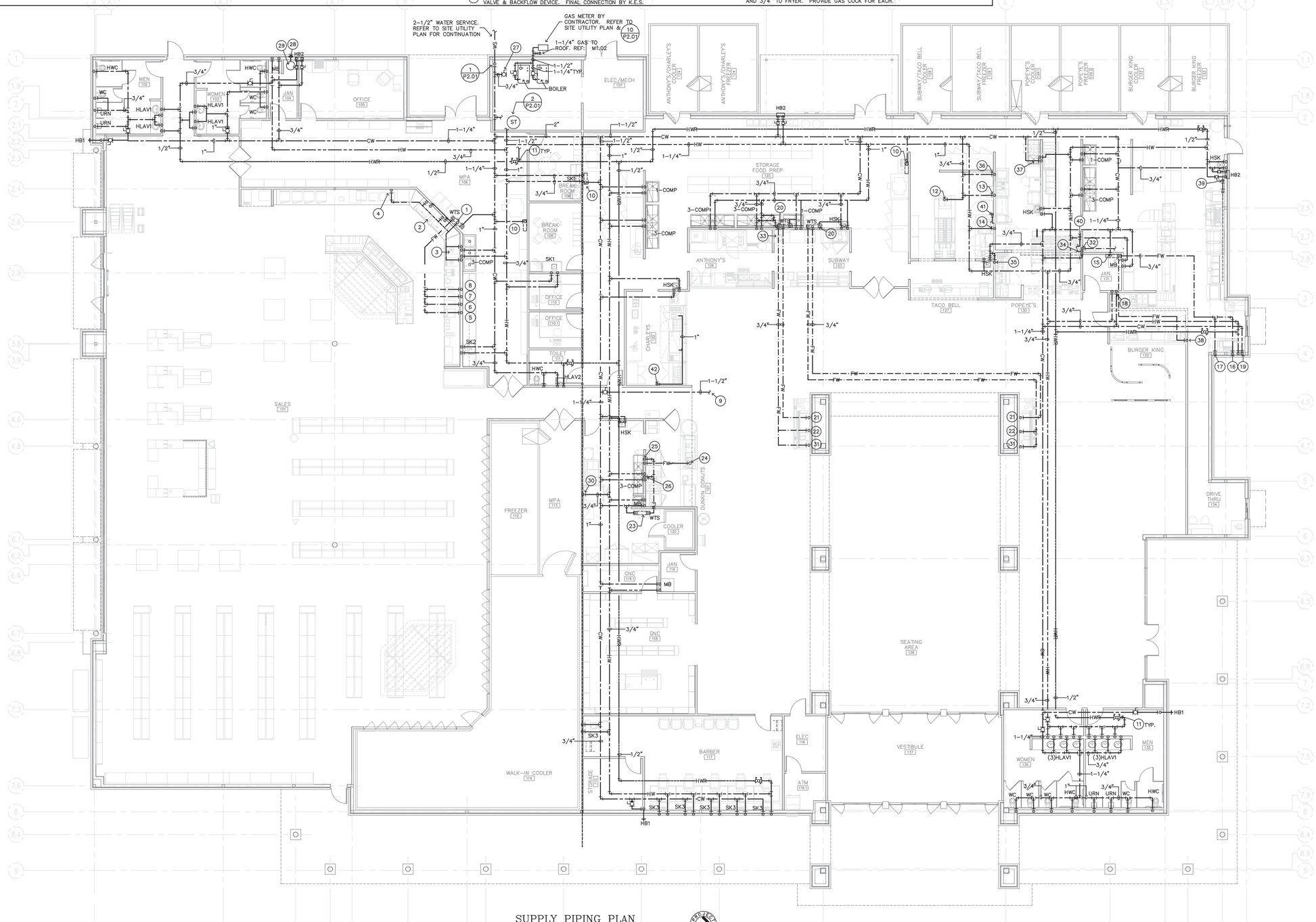
DATE:	SCALE:	SHEET:
6/8/12		P1.01
DRAWING/PROJECT NO: 0530-06-000005		OF

KEY NOTES

1. WTS (WATER TREATMENT SYSTEM). LOCATE EQUIPMENT ON WALL. COORDINATE LOCATION OF EQUIPMENT WITH AVAILABLE SPACE. SEE DETAIL 3/P2.01.
2. (4) 1/2" FW SUPPLY TO POST-MIX DISPENSERS (15A) AND ICE MAKERS (15C) SEE DETAIL 3/P2.0 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
3. (2) 1/2" FW SUPPLY TO FROZEN BEVERAGE DISPENSERS (44) SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
4. 1/2" FW SUPPLY TO FROZEN BEVERAGE BLENDER (46) SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
5. 1/2" FW SUPPLY TO TWIN COFFEE BREWER (8). SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
6. 1/2" FW SUPPLY TO MULTI FLAVOR HOT BEVERAGE DISPENSER (10) SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
7. 1/2" FW SUPPLY TO CAPPUCCINO DISPENSER (9). SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
8. 1/2" FW SUPPLYTO ICED TEA BREWER (11). SEE DETAIL 3/P2.01 AND SNACK AVENUE EQUIPMENT SCHEDULE ON A4.30.
9. MAKE TEMPORARY CONNECTION TO THE EXISTING CW SERVING THE EXISTING FOOD SERVICE AREA. FIELD VERIFY THE EXACT POINT TO MAKE CONNECTION.
10. ICE MACHINE WATER TREATMENT SYSTEM, COORDINATE LOCATION OF EQUIPMENT WITH AVAILABLE SPACE. SEE DETAIL 8/P2.01.
11. HOT WATER RETURN BALANCING VALVE. BALANCE TO 1 GPM.
12. 1/2" CW SUPPLY TO TACO BELL DUAL DRY LINE #P727. ROUTE FROM CEILING TO 27" AFF IN EQUIPMENT CHASE. PROVIDE VALVE AND MAKE FINAL CONNECTION.
13. 1/2" CW SUPPLY 48" AFF TO TACO BELL HOT WATER DISPENSER #P450. PROVIDE VALVE AND MAKE FINAL CONNECTION (1/4").
14. 1/2" HW SUPPLY 12" AFF TO TACO BELL RETHERMALIZER #C105. PROVIDE VALVE AND MAKE FINAL CONNECTION,
15. BURGER KING WTS (WATER TREATMENT SYSTEM). LOCATE EQUIPMENT ON WALL ABOVE MOP BASIN. REFER TO DETAIL 11/P2.01.
16. 1/2" FILTERED WATER SUPPLY TO BURGER KING SODA DISPENSER #B11. PROVIDE VALVE AND WATTS #SD-2 SERIES BFP. FINAL CONNECTION BY K.E.S.
17. 1/2" FILTERED WATER SUPPLY BURGER KING JUICER #B96.3 PROVIDE VALVE AND WATTS #SD-2 SERIES BFP. FINAL CONNECTION BY K.E.S.
18. 1/2" CW & HW 24" AFF TO BURGER KING SINK. PROVIDE SUPPLY STOPS, RISERS AND MAKE FINAL CONNECTIONS.
19. 1/2" CW & HW 24" AFF TO BURGER KING SINK. PROVIDE SUPPLY STOPS, RISERS AND MAKE FINAL CONNECTIONS.
20. WTS (WATER TREATMENT SYSTEM). LOCATE EQUIPMENT ON WALL ABOVE SINKS IN ROOM 125. COORDINATE LOCATION OF EQUIPMENT WITH AVAILABLE SPACE. SIMILAR TO DETAIL 3/P2.01.
21. 1/2" FW SUPPLY TO POST-MIX DISPENSER . SIMILAR TO DETAIL 8/P2.0.
22. 1/2" FW SUPPLY TO ICE MAKER. SIMILAR TO DETAIL 8/P2.0.
23. WTS (DUNKING DONUTS WATER TREATMENT SYSTEM). LOCATE EQUIPMENT ON WALL. COORDINATE LOCATION OF EQUIPMENT WITH AVAILABLE SPACE. REFER TO DETAIL 7/P2.01.
24. FILTERED WATER SUPPLY STUBBED UP BELOW COUNTER. BRANCH TO DUNKIN DONUTS COFFEE BREWERS #101P-3 AND #101PP-3. REFER TO DETAIL 7/P2.01
25. FILTERED WATER SUPPLY TO DUNKIN DONUTS EXPRESSO #96. REFER TO DETAIL 7/P2.01
26. FILTERED WATER SUPPLY TO DUNKIN DONUTS DUNKACHINO STATION #107. REFER TO DETAIL 7/P2.01.
27. HTG./COOLING SYSTEM MAKE-UP WATER SUPPLY. COORDINATE WITH HVAC CONTRACTOR.
28. CO2 FILL. THE FILL BOX SHALL BE EQUAL TO CHART INDUSTRIES #9723139 FLUSH LOCKABLE STAINLESS STEEL BOX WITH FILL FITTING. THE FILL HOSE SHALL BE EQUAL TO CHART INDUSTRIES FDA APPROVED, 2000 PSI FILL HOSE. LENGTH AS REQUIRED FOR APPLICATION.
29. CO2 BULK TANK AF/AI
30. HOT WATER SUPPLY TO DUNKIN DONUTS #552B OVEN.
31. 1/2" FW SUPPLY TO COFFEE BREWER . SIMILAR TO DETAIL 3/P2.01.
32. 1/2" FILTERED WATER SUPPLY FOR BURGER KING ICE MAKER #B14. PROVIDE VALVE & BACKFLOW DEVICE. FINAL CONNECTION BY K.E.S.
33. AF/CI COUNTER MOUNTED SINK. SUPPLY WITH 1/2" CW & HW FROM 3-COMPARTMENT SINK SUPPLY.
34. 1/2" CW SUPPLY TO POPEYE'S PRODUCTION COUNTER #H12.2P. PROVIDE VALVE AND MAKE FINAL CONNECTION.
35. 1/2" CW SUPPLY TO POPEYE'S PACKING STATION #D30. PROVIDE VALVE AND MAKE FINAL CONNECTION.
36. 1/2" CW SUPPLY TO POPEYE'S CHUB WARMER #D81N. PROVIDE VALVE AND MAKE FINAL CONNECTION.
37. 1/2" CW & HW SUPPLY TO POPEYE'S SINK #A37.L. PROVIDE SUPPLY RISERS, STOPS AND MAKE FINAL CONNECTION.
38. 1/2" FILTERED WATER SUPPLY FOR BURGER KING COFFEE BREWER #B99.1. PROVIDE VALVE& BACKFLOW DEVICE. FINAL CONNECTION BY K.E.S.
39. 1-1/4" GAS TO ROOF FOR SUPPLY TO BURGER KING COOKLINE. PROVIDE MANUAL VALVE AND SUPPRESSION SYSTEM ACTIVATED AUTO VALVE 16" FROM HOOD. PIPE TO HOOD SUPPLY CONNECTION. APPLIANCES BELOW HOOD ARE PRE-PIPED.
40. 1" GAS TO ROOF FOR SUPPLY TO POPEYES COOKLINE. PROVIDE MANUAL VALVE AND SUPPRESSION SYSTEM ACTIVATED AUTO VALVE. PIPE 3/4" TO EACH FRYER (5) AND PROVIDE GAS COCK FOR EACH.
41. 1" GAS TO ROOF FOR SUPPLY TO TACO BELL RETHERMALIZER AND FRYER. PROVIDE MANUAL VALVE AND SUPPRESSION SYSTEM ACTIVATED AUTO VALVE. PIPE 3/4" TO RETHERMALIZER AND 3/4" TO FRYER. PROVIDE "QUICK DISCONNECT" AND GAS COCK FOR EACH. COORDINATE WITH EQUIPMENT SUPPLIER.
42. 1" GAS TO ROOF FOR SUPPLY TO CHARLIES GRILL AND FRYER. PROVIDE MANUAL VALVE AND SUPPRESSION SYSTEM ACTIVATED AUTO VALVE. PIPE 3/4" TO GRILL AND 3/4" TO FRYER. PROVIDE GAS COCK FOR EACH.

FOOD SERVICE EQUIPMENT

1. REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT SCHEDULES AND ADDITIONAL REQUIREMENTS.
2. COORDINATE EQUIPMENT REQUIREMENTS WITH THE EQUIPMENT SUPPLIER PRIOR TO BEGINNING WORK.



SUPPLY PIPING PLAN
SCALE: 1/8" = 1'-0"

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
NUMBER PE-2005021661
PROFESSIONAL ENGINEER
6/7/12

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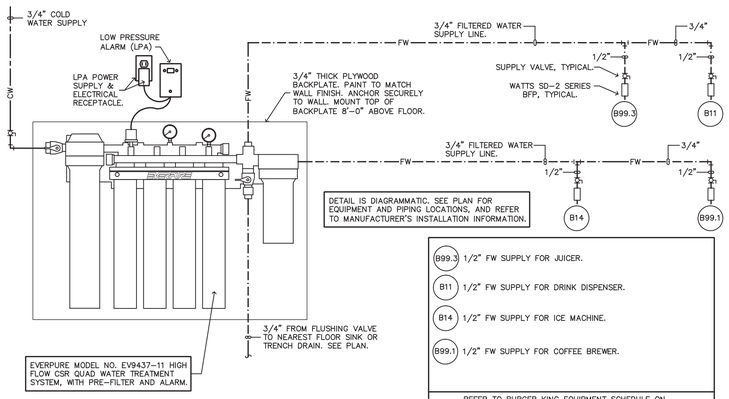
PROJECT:
82ND AIRBORNE MINI-MALL EXPANSION
FORT BRAGG NORTH CAROLINA

DRAWING TITLE:
SUPPLY PIPING PLAN

DATE:	SCALE:	SHEET:
6/8/12		P1.02

DRAWING/PROJECT NO: 0530-06-000005



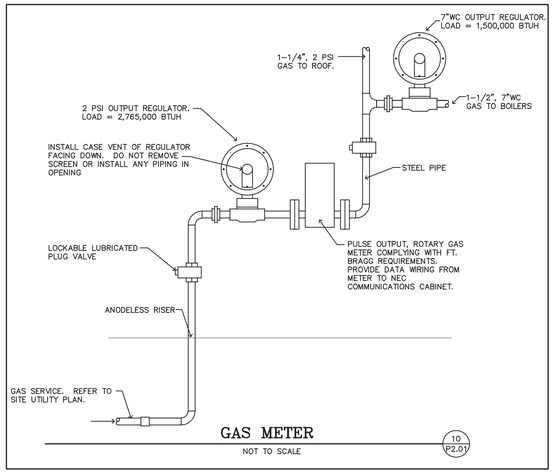
DETAIL IS DIAGRAMMATIC. SEE PLAN FOR EQUIPMENT AND PIPING LOCATIONS, AND REFER TO MANUFACTURER'S INSTALLATION INFORMATION.

B99.3	1/2" FW SUPPLY FOR JUICER.
B11	1/2" FW SUPPLY FOR DRINK DISPENSER.
B14	1/2" FW SUPPLY FOR ICE MACHINE.
B99.1	1/2" FW SUPPLY FOR COFFEE BREWER.

REFER TO BURGER KING EQUIPMENT SCHEDULE ON EQUIPMENT PLAN A8.12 FOR ADDITIONAL INFORMATION.

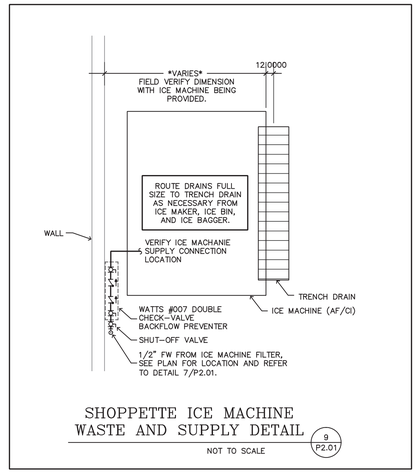
BURGER KING WATER TREATMENT SYSTEM

NO SCALE — 11 / P2.01



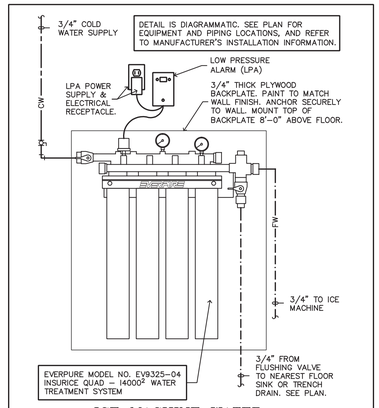
GAS METER

NOT TO SCALE — 10 / P2.01



SHOPPETTE ICE MACHINE WASTE AND SUPPLY DETAIL

NOT TO SCALE — 9 / P2.01



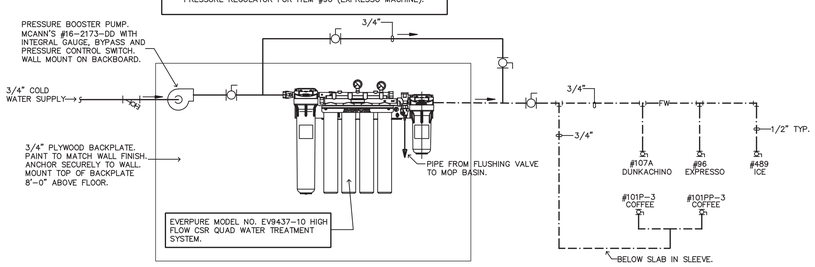
DETAIL IS DIAGRAMMATIC. SEE PLAN FOR EQUIPMENT AND PIPING LOCATIONS, AND REFER TO MANUFACTURER'S INSTALLATION INFORMATION.

ICE MACHINE WATER TREATMENT SYSTEM

NO SCALE — 8 / P2.01

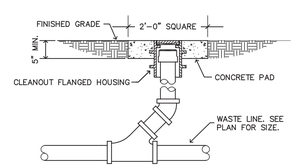
NOTES

1. REFER TO THE DUNKIN DONUT EQUIPMENT SCHEDULE ON THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. PROVIDE A ES07 CARTRIDGE AND A WATTS #263-C PRESSURE REGULATOR FOR ITEM #96 (EXPRESSO MACHINE).



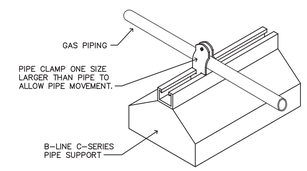
DUNKIN DONUTS WATER TREATMENT SYSTEM

NO SCALE — 7 / P2.01



OUTDOOR CLEANOUT DETAIL

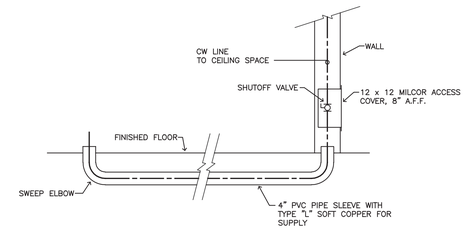
NOT TO SCALE — 6 / P2.01



PIPING SUPPORT SPACING	
1/2" PIPING:	4'-0" CENTERS
3/4"-1" PIPING:	6'-0" CENTERS
1-1/4" AND LARGER PIPING:	10'-0" CENTERS

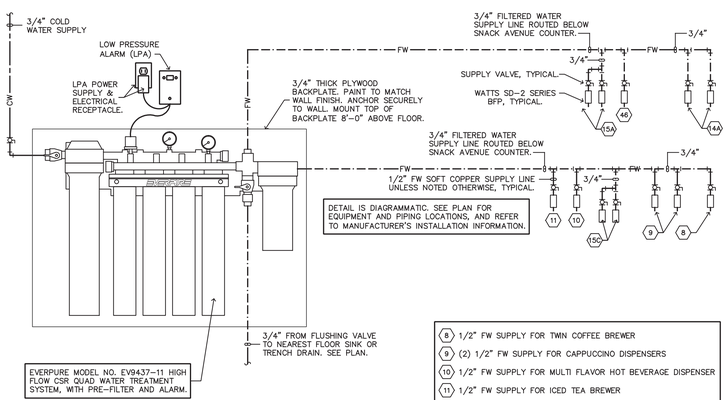
ROOFTOP GAS PIPING SUPPORT DETAIL

NOT TO SCALE — 5 / P2.01



UNDER-SLAB PIPE INSTALLATION DETAIL

NOT TO SCALE — 4 / P2.01



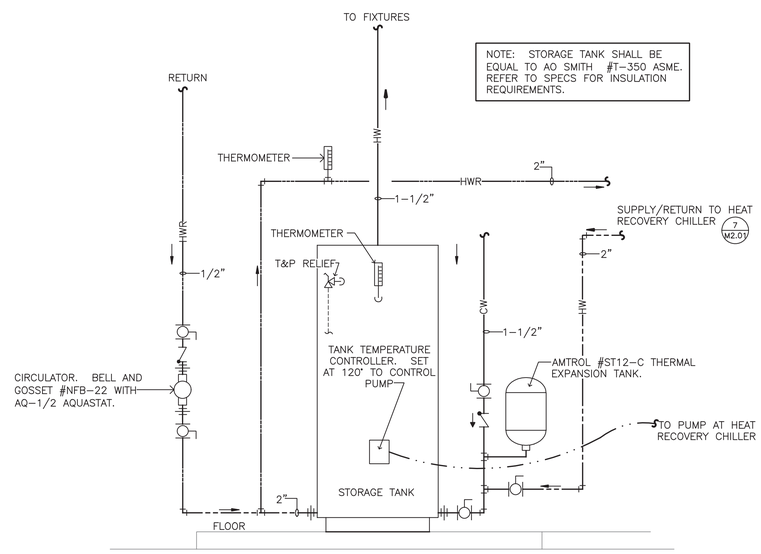
DETAIL IS DIAGRAMMATIC. SEE PLAN FOR EQUIPMENT AND PIPING LOCATIONS, AND REFER TO MANUFACTURER'S INSTALLATION INFORMATION.

8	1/2" FW SUPPLY FOR TWIN COFFEE BREWER
9	(2) 1/2" FW SUPPLY FOR CAPPUCCINO DISPENSERS
10	1/2" FW SUPPLY FOR MULTI FLAVOR HOT BEVERAGE DISPENSER
11	1/2" FW SUPPLY FOR ICED TEA BREWER
14A	(2) 1/2" FW SUPPLY FOR FROZEN BEVERAGE DISPENSERS
15A	(2) 1/2" FW SUPPLY FOR POST-MIX DISPENSERS
15C	(2) 1/2" FW SUPPLY FOR BEVERAGE DISPENESER ICE MAKERS
4B	1/2" FW SUPPLY FOR FROZEN BEVERAGE BLENDER.

REFER TO SNACK AVENUE EQUIPMENT SCHEDULE ON EQUIPMENT PLAN A4.30 FOR ADDITIONAL INFORMATION.

SNACK AVENUE WATER TREATMENT SYSTEM

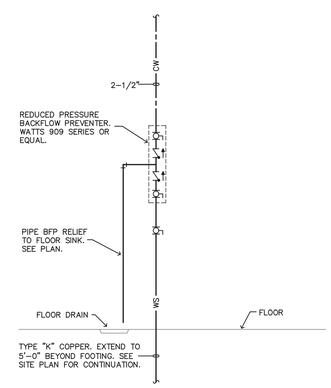
NO SCALE — 3 / P2.01



NOTE: STORAGE TANK SHALL BE EQUAL TO AO SMITH #T-350 ASME. REFER TO SPECS FOR INSULATION REQUIREMENTS.

HOT WATER STORAGE TANK PIPING DIAGRAM

NOT TO SCALE — 2 / P2.01



WATER SERVICE DIAGRAM

NOT TO SCALE — 1 / P2.01

EXCHANGE™

STATE OF MISSOURI — CHRISTOPHER RAY DUNCAN NUMBER PE-2005021661 — PROFESSIONAL ENGINEER

6/7/12

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG — NORTH CAROLINA

DRAWING TITLE:

PLUMBING DETAILS

DATE:	SCALE:	SHEET:
6/8/12		P2.01

DRAWING/PROJECT NO: 0530-06-000005

OF _____

PLUMBING FIXTURE SCHEDULE

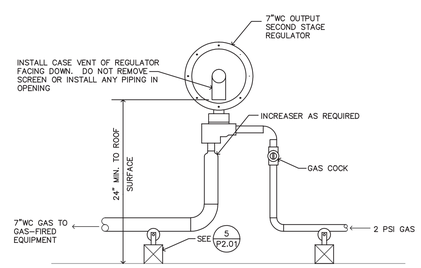
MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	ACCESSORIES	PIPING REQUIREMENTS			REMARKS	APPROVED MANUFACTURERS
					WASTE	VENT	SUPPLY		
WC	WATER CLOSET (TANK TYPE)	TOTO	DRAKE CST744S	CHURCH #3155SSC WHITE OPEN FRONT SEAT COMPLETE WITH BOLT CAPS	4"	2"	1/2"	--	AMERICAN STANDARD, ZURN, KOHLER AND CRANE
HWC	HANDICAP ACCESSIBLE WATER CLOSET (TANK TYPE)	TOTO	DRAKE CST744SL	CHURCH #3155SSC WHITE OPEN FRONT SEAT COMPLETE WITH BOLT CAPS	4"	2"	1/2"	FLUSH HANDLE ON WIDE SIDE OF STALL	AMERICAN STANDARD, ZURN, KOHLER AND CRANE
URN	URINAL (WALL MOUNTED)	ZURN	Z5738.205.00	FLOOR MOUNTED WALL CARRIER	2"	1-1/2"	3/4"	.125 GPM. INCLUDES BATTERY OPERATED FLUSH VALVE	AMERICAN STANDARD, KOHLER AND CRANE
HLAV1	HANDICAP ACCESSIBLE LAVATORY (COUNTERTOP)	TOTO	LT402	BRADLEY S53-315/S59-4004XS AUTO-VALVE, GRID DRAIN ASSEMBLY,TRUBRO LAV GUARD 2 PIPE COVER	2"	1-1/2"	1/2"	.5 GPM. WITH THERMOSTATIC MIXING VALVE	AMERICAN STANDARD, ZURN, KOHLER AND CRANE
HLAV2	HANDICAP ACCESSIBLE LAVATORY (WALL MOUNT)	TOTO	LT307	BRADLEY S53-315/S59-4004XS AUTO-VALVE, GRID DRAIN ASSEMBLY,TRUBRO LAV GUARD 2 PIPE COVER	2"	1-1/2"	1/2"	--	AMERICAN STANDARD, ZURN, KOHLER AND CRANE
SK1	SINGLE COMPARTMENT SINK	JUST	SL-17519-A-GR	#JB-99 STRAINER AND CHICAGO FAUCET #785-CP FAUCET	2"	1-1/2"	1/2"	--	ELKAY
SK2	SINGLE COMPARTMENT SINK	JUST	SL-2125-A-GR	#JB-99 STRAINER AND CHICAGO FAUCET #785-CP FAUCET	2"	1-1/2"	1/2"	--	ELKAY
HSK	HAND SINK	JUST	A-544-912-FS	#J-15-FS DRAIN, JTM-47 THERMOSTATIC MIXING VALVE, JSL-46 BACKSPLASH MOUNTED SENSOR OPERATED FAUCET	2"	1-1/2"	1/2"	--	ADVANCED TABCO, ELKAY
MB	MOP BASIN	FIAT	SB-2424	#832-AA HOSE AND BRACKET, #889-CC-24" MOP HANGER AND CHICAGO FAUCET #897-RCP SERVICE SINK FAUCET.	2"	1-1/2"	1/2"	WITH VACUUM BREAKER	SWANSTONE AND STERN WILLIAMS
1-COMP	SINGLE COMPARTMENT PREP SINK	--	AF/CI	AF/CI	2"	1-1/2"	1/2"	PIPE WASTE INDIRECT TO FLOOR SINK	
3-COMP	THREE COMPARTMENT SINK	--	AF/CI	AF/CI	2"	1-1/2"	1/2"	PIPE WASTE INDIRECT TO FLOOR SINK	
FD	FLOOR DRAIN	JAY R SMITH	2010-A-(NB)	PRO SET SYSTEMS TRAP GARD	2"	1-1/2"	1/2"	--	ZURN AND WADE
FD2	FLOOR DRAIN	JAY R SMITH	2010-A-(F-37)	PRO SET SYSTEMS TRAP GARD	2"	1-1/2"	1/2"	ANTI-FLOOD RIM	ZURN AND WADE
FD2	FLOOR DRAIN	JAY R SMITH	2010-A-(F-37)	PRO SET SYSTEMS TRAP GARD	2"	1-1/2"	1/2"	---	ZURN AND WADE
FD3	FLOOR DRAIN	JAY R SMITH	2110	PRO SET SYSTEMS TRAP GARD	2"	1-1/2"	1/2"	---	ZURN AND WADE
FS	FLOOR SINK	JAY R SMITH	3009	1/2 GRATE	3"	1-1/2"	1/2"	---	ZURN AND WADE
HB	HOSE BIBB (EXTERIOR)	WOODFORD	MODEL 65	WITH WALL CLAMP			3/4"	WITH VACUUM BREAKER	ZURN AND JAY R. SMITH
HB2	HOT & COLD HOSE BIBB (EXTERIOR)	WOODFORD	MODEL B22	WITH WALL CLAMP	--	--	3/4"	WITH VACUUM BREAKER	ZURN AND JAY R. SMITH
TD	TRENCH DRAIN	ZURN	Z812-SBG	TRAP & REQUIRED FITTINGS	2"	--			

NOTES:

1. COORDINATE THE ROUGH-IN OF ALL PLUMBING FIXTURES WITH THE ARCHITECTURAL PLANS.
2. PROVIDE SERVICE VALVES ON ALL SUPPLY FIXTURES.

GENERAL PLUMBING NOTES

1. ALL PLUMBING WORK SHALL COMPLY WITH THE 2006 EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. DRAWING IS DIAGRAMMATIC AND IS NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS AND FIELD CONDITIONS FOR DIMENSIONS.
3. SEE SPECIFICATIONS FOR PIPING, VALVE AND INSULATION REQUIREMENTS.
4. PLUMBING FIXTURES ARE TO BE FURNISHED COMPLETE WITH ALL NECESSARY STOPS, TRAPS, TAILPIECES, TRIM, ETC.
5. PROVIDE WATER HAMMER ARRESTERS ON THE SUPPLY PIPING SERVING ALL FIXTURES. ARRESTERS SHALL BE SIOUX CHIEF MODEL 652-A OR EQUAL. INSTALL ARRESTERS PER THE MANUFACTURER'S RECOMMENDATIONS. THE ARRESTERS SHALL BE RATED FOR INSTALLATION IN CONCEALED LOCATIONS. CAPPED AIR CHAMBERS ARE NOT ALLOWED.
6. ALL HOT AND COLD WATER SUPPLY PIPING CONNECTION TO FIXTURES ARE TO BE 1/2", UNLESS NOTED OTHERWISE.
7. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AND SUBCONTRACTORS IN LAYING OUT AND INSTALLING HIS WORK. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
8. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.

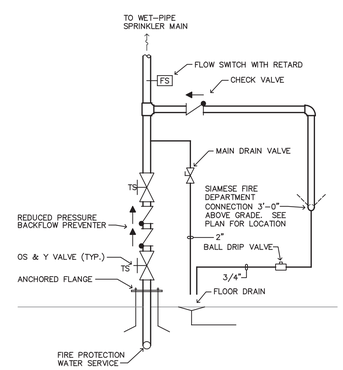


ROOF MOUNTED REGULATOR DETAIL (2 / P3.01)

NOT TO SCALE

NOTES:

1. INSTALL A TAMPER SWITCH ON EACH CONTROL VALVE. SEE FIRE ALARM DIAGRAM
2. SEE SPECIFICATIONS FOR ALL VALVES AND EQUIPMENT REQUIREMENTS.



SPRINKLER SYSTEM SUPPLY DIAGRAM (1 / P3.01)

NOT TO SCALE

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
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6/7/12

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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

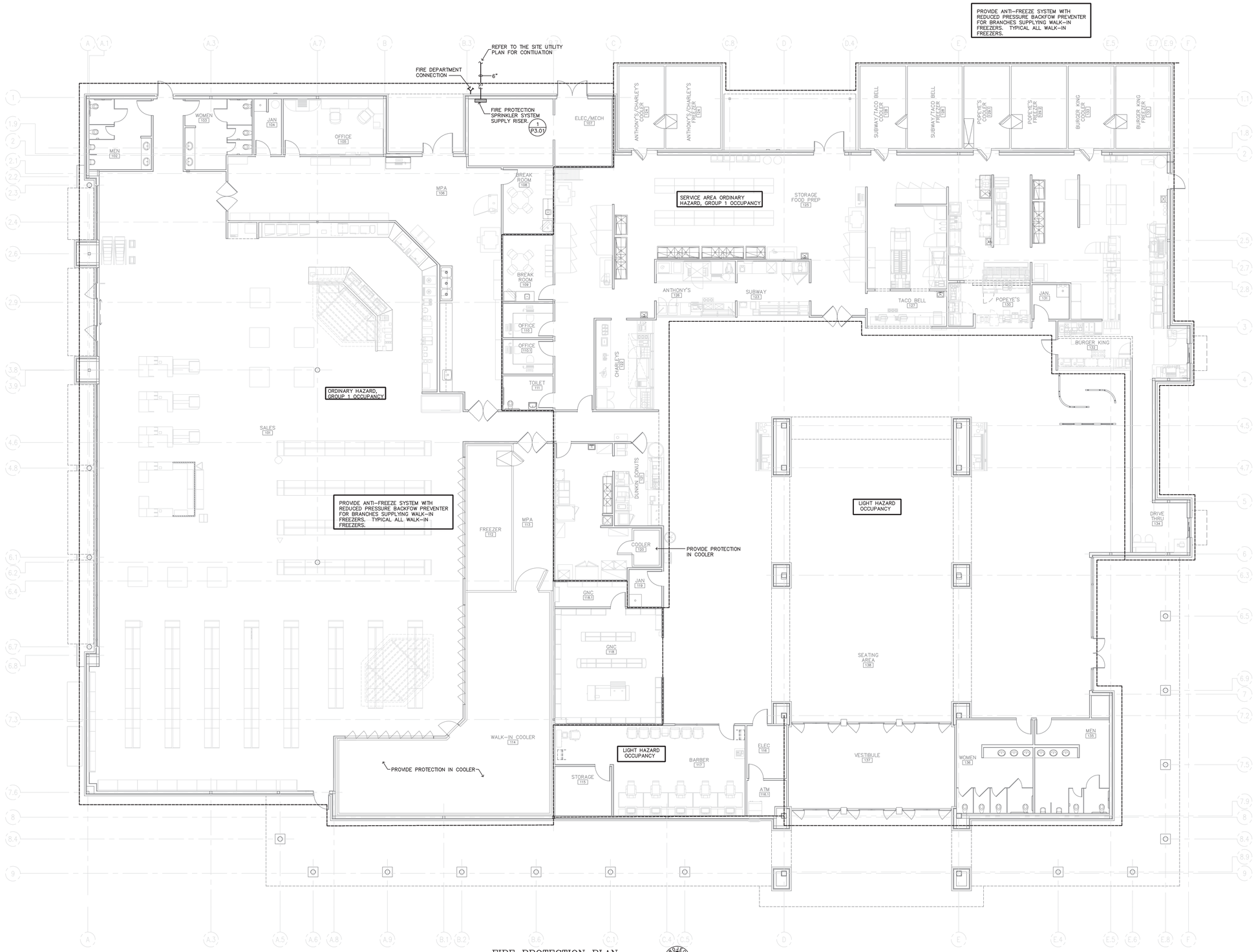
DRAWING TITLE:

PLUMBING SCEDULES

DATE:	SCALE:	SHEET:
6/8/12		P3.01
DRAWING/PROJECT NO: 0530-06-000005		OF

FIRE PROTECTION NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, CEILING CONDITIONS AND ETC.
2. PIPING SHOWN ON THESE DRAWINGS IS INTENDED TO SHOW THE GENERAL ARRANGEMENT OF THE SYSTEM. DETAILED SYSTEM DESIGN, SHOP DRAWINGS AND HYDRAULIC CALCULATIONS MUST BE PERFORMED BY A REGISTERED ENGINEER. THE DESIGN SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF NFPA 13, NFPA 14, THE INTERNATIONAL BUILDING CODE, UFC-3-600-01 AND MIL STANDARD 1008. NOTE THAT THE ENGINEER MUST MEET THE QUALIFICATION REQUIREMENTS OF PARAGRAPH 1-6 OF THE UFC.
3. SEE SPECIFICATIONS FOR DETAILED INFORMATION ON PIPING, SPRINKLER HEADS, BACKFLOW PREVENTION, ETC.
4. COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES.
5. THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM TO PROTECT THE BUILDING AS INDICATED, WHETHER OR NOT EVERY ELEMENT REQUIRED IS SPECIFICALLY CALLED OUT.



FIRE PROTECTION PLAN

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

EXCHANGE™

STATE OF MISSOURI
CHRISTOPHER RAY DUNCAN
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PROJECT:

82ND AIRBORNE MINI-MALL EXPANSION

FORT BRAGG NORTH CAROLINA

DRAWING TITLE:

FIRE PROTECTION PLAN

DATE:	SCALE:	SHEET:
6/8/12		FP1.01
DRAWING/PROJECT NO: 0530-06-000005		OF