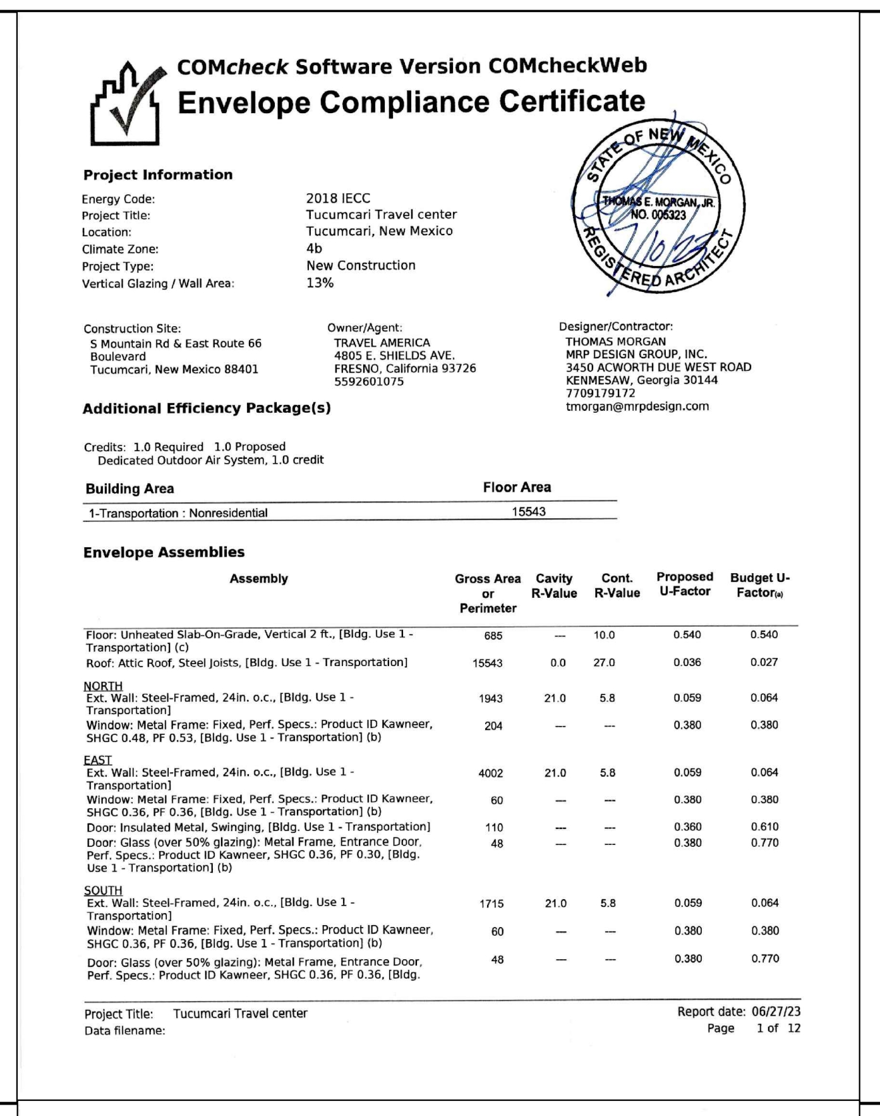
COMcheck ENVELOPE COMPLIANCE CERTIFICATE



COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

THOMAS E. MORGAN, JR. NO. 005323

Project Information

Energy Code: 2018 IECC
Project Title: Tucumcari Travel center
Location: Tucumcari, New Mexico
Climate Zone: 4b
Project Type: New Construction
Vertical Glazing / Wall Area: 13%

Construction Site:
S Mountain Rd & East Route 66 Boulevard
Tucumcari, New Mexico 88401

Owner/Agent:
TRAVEL AMERICA
4805 E. SHIELDS AVE.
FRESNO, California 93726
5592601075

Designer/Contractor:
THOMAS MORGAN
MRP DESIGN GROUP, INC.
3450 ACWORTH DUE WEST ROAD
KENMESAW, Georgia 30144
7709179172
tmorgan@mrpdesign.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Building Area	Floor Area
1-Transportation : Nonresidential	15543

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 1 - Transportation] (c)	685	---	10.0	0.540	0.540
Roof: Attic Roof, Steel Joists, [Bldg. Use 1 - Transportation]	15543	0.0	27.0	0.036	0.027
NORTH					
Ext. Wall: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Transportation]	1943	21.0	5.8	0.059	0.064
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Kawneer, SHGC 0.48, PF 0.53, [Bldg. Use 1 - Transportation] (b)	204	---	---	0.380	0.380
EAST					
Ext. Wall: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Transportation]	4002	21.0	5.8	0.059	0.064
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.36, [Bldg. Use 1 - Transportation] (b)	60	---	---	0.380	0.380
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Transportation]	110	---	---	0.360	0.610
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.30, [Bldg. Use 1 - Transportation] (b)	48	---	---	0.380	0.770
SOUTH					
Ext. Wall: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Transportation]	1715	21.0	5.8	0.059	0.064
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.36, [Bldg. Use 1 - Transportation] (b)	60	---	---	0.380	0.380
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.36, [Bldg.	48	---	---	0.380	0.770

Project Title: Tucumcari Travel center
Data filename:
Report date: 06/27/23
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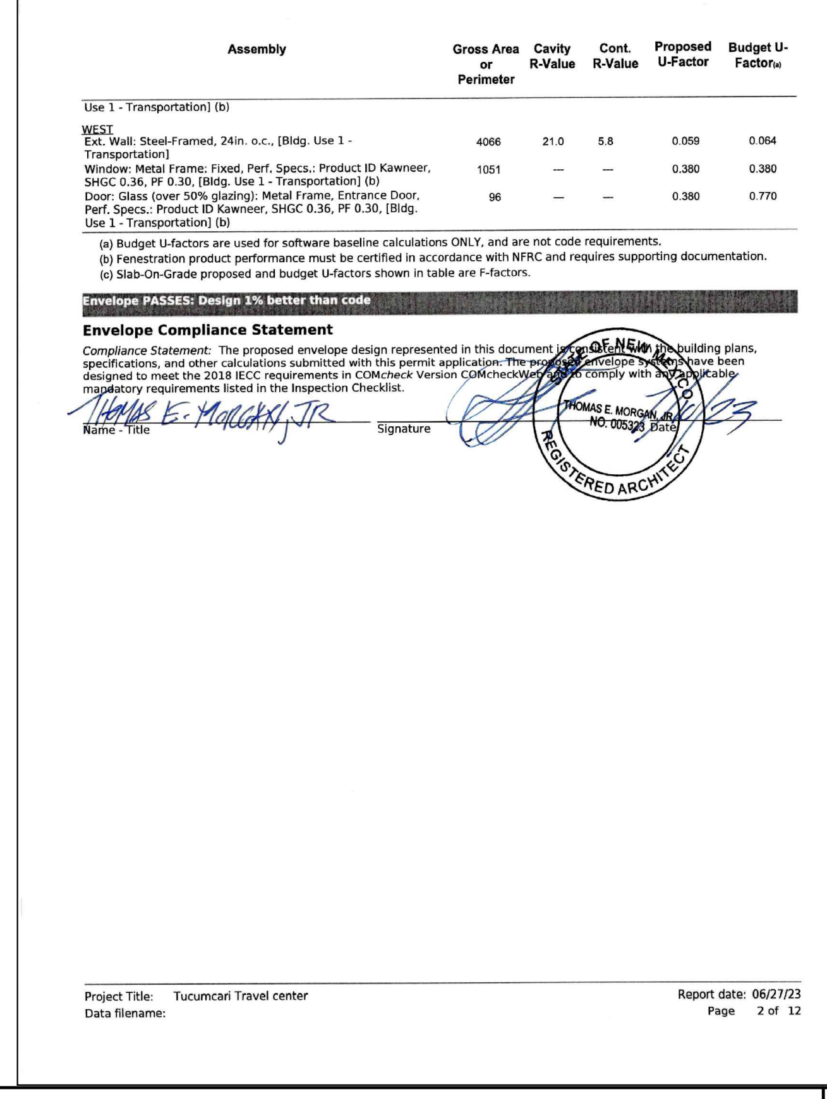

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Use 1 - Transportation] (b)					
WEST					
Ext. Wall: Steel-Framed, 24in. o.c., [Bldg. Use 1 - Transportation]	4066	21.0	5.8	0.059	0.064
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.30, [Bldg. Use 1 - Transportation] (b)	1051	---	---	0.380	0.380
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID Kawneer, SHGC 0.36, PF 0.30, [Bldg. Use 1 - Transportation] (b)	96	---	---	0.380	0.770

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

THOMAS E. MORGAN, JR
Name - Title Signature Date

THOMAS E. MORGAN, JR. NO. 005323

Project Title: Tucumcari Travel center
Data filename:
Report date: 06/27/23
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STATE OF NEW MEXICO
CONSTRUCTION INDUSTRIES DIVISION

☐ NO EXCEPTIONS TAKEN
☐ EXCEPTIONS AS NOTED

"REVIEWED PLANS" OR "APPROVED PLANS" DOES NOT INCLUDE PERMITS FOR CONSTRUCTION UNLESS NOTED. ALL CONTRACTORS AND SUBCONTRACTORS ARE REQUIRED TO PULL SEPERATE PERMITS FOR THEIR SCOPE OF WORK.

01/23/2024 3:18:21 PM
Chris Archuleta

ALL SECTIONS OF THE NEW MEXICO BUILDING, ELECTRICAL, MECHANICAL AND PLUMBING CODES MUST BE COMPLIED WITH.

♿ NEW MEXICO BUILDING CODE REQUIRES ALL FACILITIES TO BE FULLY ACCESSIBLE FOR THE PHYSICALLY DISABLED

ALL INSPECTIONS MUST BE MADE AND FINAL SIGNATURES SHALL BE OBTAINED PRIOR TO THIS CONSTRUCTION BEEING OCCUPIED OR ISSUANCE OF CERTIFICATE OF OCCUPANCEY MAY BE OBTAINED.

IF INSPECTIONS ARE NOT PERFORMED WITHIN EVERY 180 DAYS ALL PERMITS WILL EXPIRE AND A RENEWAL FEE WILL BE REQUIRED FOR A NEW PERMIT.

TA® TRAVEL CENTER

NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

S MOUNTAIN RD.
TUCUMCARI, NM, 88401
QUAY COUNTY

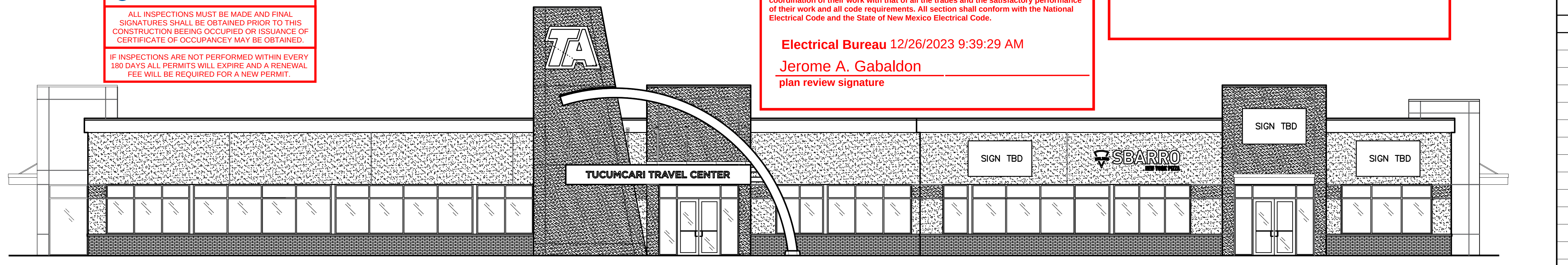
Electrical Plan Review

☒ NO EXCEPTIONS TAKEN ☐ REJECTED
☐ EXCEPTIONS AS NOTED ☐ REVISE & RESUBMIT

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any corrections or comments are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of their work with that of all the trades and the satisfactory performance of their work and all code requirements. All section shall conform with the National Electrical Code and the State of New Mexico Electrical Code.

Electrical Bureau 12/26/2023 9:39:29 AM
Jerome A. Gabaldon
plan review signature

CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT



LIST OF CONTACTS

OWNER:
TRAVEL AMERICA
4805 E. SHIELDS AVE.
FRESNO, CA 93726
CONTACT: PRITPAL (PAUL) SINGH
559-260-1075

Architect of Record:
THOMAS E. MORGAN, JR.
ARCHITECT
423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

Structural:
STABILITY ENGINEERING
1376 CHURCH ST, SUITE #200
DECATUR, GA 30030
CONTACT:
JORDAN HUNT
404-337-9316

MEP Engineering:
EED ENGINEERING, INC.
1119 FLORES, SUITE 300
LAREDO, TX 78040
CONTACT: EDGAR DEANDA
956-645-4750

AHJ:
CITY OF TUCUMCARI, NM
PLANNING & ZONING
512 South 8th Street
TUCUMCARI, NM
575-461-2143

A/E CONSULTANT:
MRP DESIGN GROUP, INC.
JC ATTANASIO
3450 ACWORTH DUE WEST ROAD
BLDG 100, SUITE 120
KENNESAW, GEORGIA 30144
770-917-9172 Ext: 108

CIVIL Engineering:
JAKAN ENGINEERING, PLLC
DBE, HUB, MBE
P.O. Box, 391
FRISCO, TX 75034
CONTACT: SON NGO
682-561-9449 / sngo@jakanengineering.com

FIRE DEPT. :
TUCUMCARI FIRE & RESCUE
205 East Center Street
TUCUMCARI, NM
575-461-4400

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ADA-3	ADA COMPLIANCE							
LS-100	LIFE SAFETY PLAN							
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*** CONTINUE @ SHEET G001 ***

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, AND DIMENSIONS PRIOR TO STARTING ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS AND OWNER.
2. STATED DIMENSIONS TAKE PRECEDENCE OVER GRAPHICS. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS. THE OWNER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONTINUING WORK.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.
4. FOR CONSTRUCTION DETAILS THAT ARE NOT SHOWN, USE THE MANUFACTURER'S APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
5. ALL SPECIFIED MATERIALS MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND THE MANUFACTURER'S REQUIREMENTS SHOULD BE IDENTIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION AND DURING THE BID PHASE TO AVOID CHANGE ORDERS.
6. CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES FOUND ON THESE DOCUMENTS. IN THE ABSENCE OF NOTIFICATION OR RESPONSE FROM THE ARCHITECT THE CONTRACTOR WILL BID THE MOST EXPENSIVE CHOICE OF THE ITEMS IN QUESTION. THE CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE SAID DISCREPANCIES WITH THE ARCHITECT, LICENSEE AND OWNER FOR A FINAL DECISION PRIOR TO PURCHASE AND INSTALLATION OF MATERIALS IN QUESTION.
7. NO EMAILS WILL SUPERSEDE THESE DRAWINGS, G.C. MUST CONTACT THE ARCHITECT BY PHONE OR SIGNED RFI's.
8. CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL EXTERIOR ENVELOPE COMPONENTS REQUIRING PRODUCT APPROVAL PER 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS.

OCCUPANT LOAD

SEE SHT. LS-100 FOR OCCUPANT LOAD CALCULATIONS.

EXITS

SEE SHT. LS-100 FOR CALCULATIONS.

PROJECT INFORMATION

Building Design

Square Footage:	15,543 gross sq. ft. (footprint)
Occupancy Classification:	M-MERCANTILE
Construction Type:	Type V-B
Allowable Height and Area:	60 FT / 36,000 SF 2 STORY
Proposed Height and Area:	35' FT/ 15,543 SF 1 STORY

Applicable Codes

- NEW MEXICO ADOPTED IBC CCODES
- Building – IBC 2015
- Mechanical – IMC 2015
- Plumbing - IPC 2015
- Electrical - NFPA 70,2020.
- New Mexico Accessibility Code 2009
- 2010 ADA Standards
- 2018 International Energy Conservation Code (IECC)

Fire Ratings

	Type V-B
Structural Frame:	0 hrs
Interior Walls:	0 hrs
Bearing Walls (Ext & Int):	0 hrs
Non Bearing Wall & Partitions:	0 hrs
Floor Construction:	0 hrs
Roof Construction:	0 hrs

Building Information and Notes

OCCUPANCY CLASSIFICATION:__M___, TYPE OF CONSTRUCTION:__V-B___, SPRINKLED:__YES__, FIRE SPRINKLER MONITORING:_YES_, 1-HOUR PROTECTED:__NO_, BUILDING AREA IN SQUARE FEET:_15,543__, NUMBER OF STORIES:__1__, MEZZANINE:__0___, CALCULATED LOAD FOR OCCUPANCY:_331_

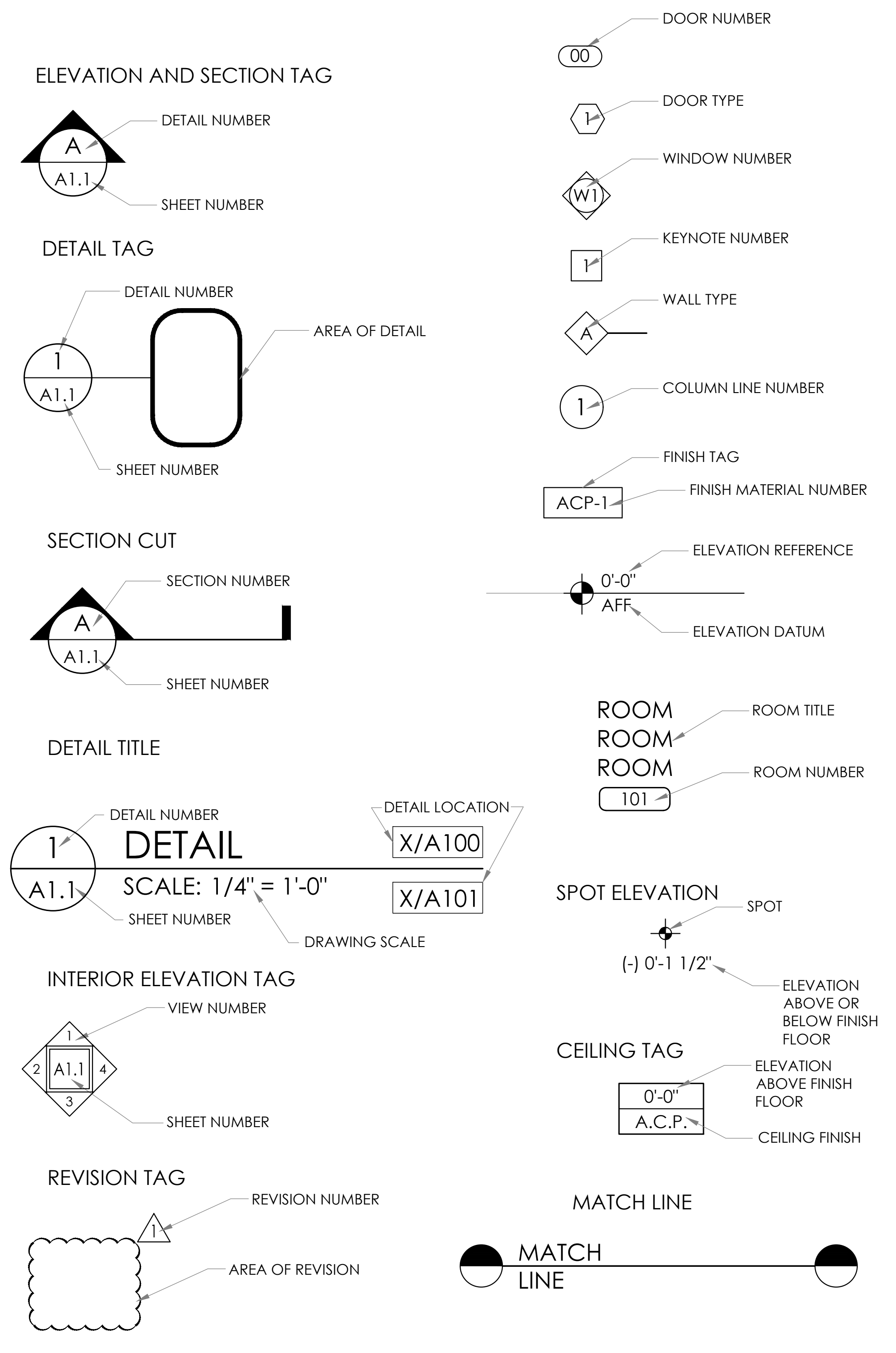
REFER TO FIRE PROTECTION CODE FOR THE FIRE ALARM REQUIREMENTS. SHOP DRAWINGS WILL NEED TO BE SUBMITTED BY THE FIRE PROTECTION CONTRACTOR FOR BOTH THE FIRE SPRINKLER SYSTEM AND THE FIRE ALARM SYSTEM. THESE DESIGN DRAWINGS WILL BE REVIEWED FOR COMPLIANCE BEFORE THE ISSUANCE OF A FIRE PROTECTION CONSTRUCTION PERMIT. SUBMITTALS WILL REQUIRE A COMPLETED APPLICATION, DESIGN DRAWINGS, AND CUT SHEETS FOR THE DEVICES BEING INSTALLED.

(DOORS) GENERAL SHALL MEET THE REQUIREMENTS OF THE NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC. 7.2.1, 2006 EDITION. FIRE DOOR ASSEMBLIES SHALL CONFORM TO NFPA 80.

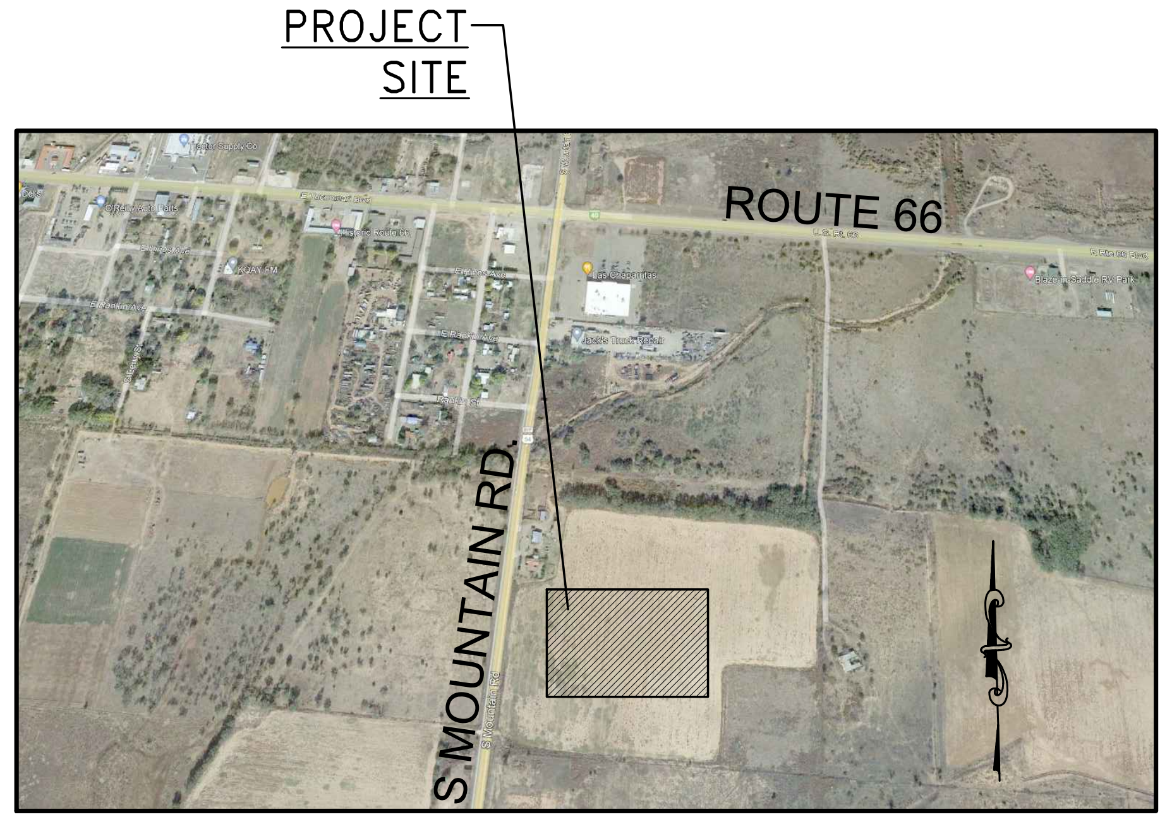
(FIRE EXTINGUISHERS) PROVIDE PORTABLE FIRE EXTINGUISHER PER TEXAS 2012 CODE FOR PLACEMENT OF FIRE EXTINGUISHERS. THE SIZE SHALL BE A MINIMUM OF 2 - 2a; 10B-C, SEE A100 AND 2 CLASS K 1.5 GAL., 80LB PORTABLE FIRE EXTINGUISHERS SEE A100 ARE REQUIRED AND SHALL BE INSTALLED AT A MAX. OF 48" ABOVE THE FINISHED FLOOR TO THE TOP OF THE HANDLE. TRAVEL DISTANCE TO A FIRE EXTINGUISHER SHALL NOT EXCEED 75' FOR CLASS A, C & D FIRES. FIRE EXTINGUISHERS SHALL NOT BE OBSTRUCTED OR OBSCURED FROM VIEW. FIRE EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF FIRE. PREFERABLY THEY SHALL BE LOCATED ALONG NORMAL PATHS OF TRAVEL, INCLUDING EXITS FROM AREA. ALL WORK AND INSPECTIONS OF PORTABLE FIRE EXTINGUISHERS SHALL BE PERFORMED BY A STATE CERTIFIED AGENT.

(SIGNAGE FOR RESTROOM BY TENANT): SHALL BE RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHTS SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN.

SYMBOL LEGEND



LOCATION MAP



ABBREVIATIONS

A	AMPERES
ACP	ACOUSTICAL CEILING PANEL
ADD'L	ADDITIONAL
AFF	ABOVE FINISH FLOOR
ASF	ABOVE SUB FLOOR
ATS	ABOVE TOP OF SLAB
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
B.O.	BOTTOM OF
BRG	BEARING
B/	BOTTOM OF
C	CONDUIT
CB	CIRCUIT BREAKER
C/C	CENTER TO CENTER
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CNTR	CENTER
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DW	DRY WALL
DWG	DRAWING
EA	EACH
EC	ELEC. CONTRACTOR
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR
EM	EMERGENCY
EPS	EXPANDED POLYSTYRENE
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FA	FIRE ALARM
FD	FLOOR DRAIN
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERUPTER
GND	GROUND
GWB	GYPSUM WALLBOARD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT OR HORSE POWER
HT	HEIGHT
HVAC	HEATING/VENTILATION/AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCH
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JB	JUNCTION BOX
JT	JOINT
LAV	LAVATORY
LIN	LINEAR
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MC	MECH. CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MFR	MANUFACTURE (R) (ING)
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MO	MASONRY OPENING
MT	MOUNT
MTD	MOUNTED
MTGHT	MOUNTING HEIGHT
MTL	METAL
N	NORTH OR NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE HAND
PC	PLUMB. CONTRACTOR
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNLBD	PANEL BOARD
PREFAB	PREFABRICATED
PROJ	PROJECT
PVC	POLYVINYL CHLORIDE
R	RADIUS
R	RISER
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REINF	REINFORCING
REQ'D	REQUIRED
RES	RESILIENT
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATIONS
STL	STEEL
STRUCT	STRUCTURAL
STRL.	STRUCTURAL
TEL	TELEPHONE
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
T	TREAD
T.O.	TOP OF
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WATER PROOF
WR	WATER RESISTANT
W/	WITH
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR. NO. 005323

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:28 PM
A-155698

MRP DESIGN GROUP

3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
COVER SHEET

PROJECT NO: 22057

G000

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P4.0	PLUMBING DETAILS							
P5.0	PLUMBING SPECS							

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO BUILD PER ALL APPLICABLE CODES AND REGULATIONS: FEDERAL, STATE, AND LOCAL.
2. ALL SUBCONTRACTORS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL SHALL BE RESPONSIBLE FOR SECURING PERMITS FOR THEIR WORK & TRADE UTILITY. FURTHER DRAWINGS (IF REQUIRED) FOR PERMITS AND UTILITY HOOK- UPS SHALL ALSO BE BY THE SUBCONTRACTOR.
3. ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR WILL MAKE ASSUMPTIONS AT HIS OWN EXPENSE.
4. THE GENERAL CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS PER NFPA 70 (OR LOCAL AUTHORITY). FIRE EXTINGUISHERS SHALL BE MOUNTED, TOP = 48" AFF.
5. THIS STATEMENT SHALL NOT GOVERN OVER MANUFACTURERS' WARRANTIES. THE GENERAL CONTRACTOR SHALL WARRANTY HIS WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY & ACCEPTANCE OF WORK BY THE OWNER. DEFECTIVE OR INFERIOR MATERIALS OR WORKMANSHIP FOUND AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND ALSO DURING THE WARRANTEE PERIOD MAY BE REJECTED, REGARDLESS OF PREVIOUS INSPECTION. CORRECTIVE MEASURES WHEN REQUIRED SHALL BE EXECUTED AT NO ADDITIONAL COST TO THE OWNER.
6. ALL MATERIALS RELATED TO THIS WORK SHALL BE: SHIPPED, STORED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
7. THE G.C. WILL LEAVE THIS SITE FREE AND CLEAR OF DEBRIS UPON COMPLETION OF THE WORK.
8. WHERE THESE DOCUMENTS INDICATE TRADE OR MANUFACTURER NAMES, THE CONTRACTOR MAY SUBSTITUTE A PRODUCT OR METHOD OF BETTER OR EQUAL QUALITY UPON APPROVAL BY THE OWNER AND ZAXBY'S FRANCHISING.
9. UPON COMPLETION OF BUILDING & ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE, PREPARE, ASSEMBLE, AND TRANSMIT TO THE OWNER THE FOLLOWING: MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT, WARRANTIES FOR ALL EQUIPMENT FOR A MINIMUM OF ONE YEAR FROM THE ACCEPTANCE DATE, KEYS WITH SCHEDULE AND DEMONSTRATE THE EQUIPMENT.
10. TERMITE PROTECTION SHALL BE PROVIDED UNDER THE FLOOR SLAB. INSTALLATION AND WARRANTEE SHALL BE PER THE INTERNATIONAL BUILDING CODE.

MUNICIPAL REQUIREMENTS

1. THE GENERAL CONTRACTOR SHALL SUBMIT TO BUILDING INSPECTIONS, SOIL COMPACTION DATA PRIOR TO THE PLACEMENT OF CONCRETE.
2. PLANS AND DESIGN CRITERIA FROM THE ROOF TRUSS MANUFACTURER SHALL BE SUBMITTED TO THE BUILDING INSPECTORS. THE DATA PROVIDED SHOULD BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER. THE PLANS SHOULD INCLUDE DEAD LOAD, LIVE LOAD, WIND LOAD, AND COLLATERAL LOADING FOR ALL COMPONENT SECTIONS
3. EXHAUST HOODS AND FIRE SUPPRESSION SYSTEMS ARE TO BE APPROVED BY THE APPROPRIATE AUTHORITIES (FIRE MARSHALL, ETC.) IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN APPROVALS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

STATE OF NEW MEXICO
THOMAS E. MORGAN, JR.
NO. 005323
REGISTERED ARCHITECT

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:54 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
INDEX SHEET

PROJECT NO: 22057

G001

302 FLOOR AND GROUND SURFACES

SCALE: N.T.S.

302.1 GENERAL. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

302.2 CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE ½ INCH (13 MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN ½ INCH (13 MM) DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.5.3 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

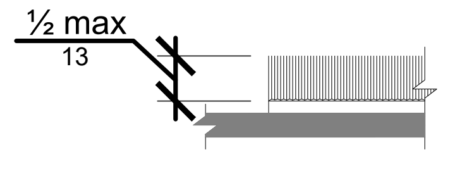


FIG. 302.2

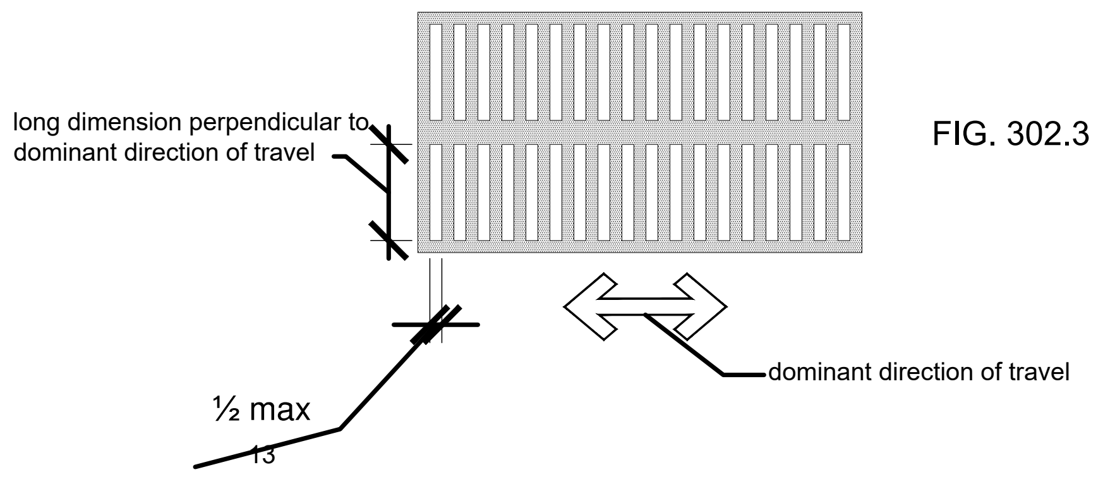

long dimension perpendicular to dominant direction of travel
dominant direction of travel
½ max
13

FIG. 302.3

303 CHANGES IN LEVEL

SCALE: N.T.S.

303.1 GENERAL. WHERE CHANGES IN LEVEL AR PERMITTED THEY SHALL COMPLY WITH SECTION 303.

303.2 VERTICAL. CHANGES IN LEVEL OF ¼" (6.4mm) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN ¼" (6.4mm) HIGH MINIMUM AND ½" (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLPOE NOT STEEPER THAN 1:2.

303.4 RAMPS. CHANGES IN LEVEL GREATER THAN ½" (13mm) HIGH SHALL BE RAMPED, AND SHALL COMPLY WITH 405 AND 406.

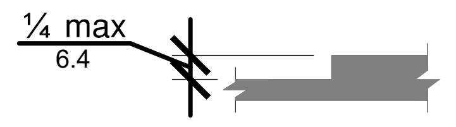


FIG. 303.2

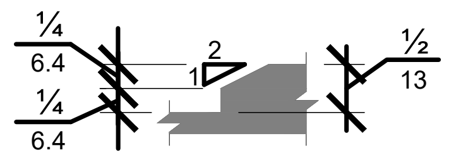


FIG. 303.3

304 TURNING SPACE

SCALE: N.T.S.

304.1 GENERAL. TURNING SPACE SHALL COMPLY WITH 304.

304.2 FLOOR & GROUND SURFACES. FLOOR AND GROUND SURFACES OF A TURNING SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION - SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

304.3 SIZE. TURNING SPACE SHALL COMPLY WITH 304.3.1 OR 304.3.2.

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60" (1525mm) DIAMETER MINIMUM. THE SPACE SHAL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60" (1525mm) SQUARE MINIMUM WITH ARMS AND BASE 36" (915mm) IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS, 24" (610mm) MINIMUM. THE SPACE SHAL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

304.4 DOOR SWING. DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.

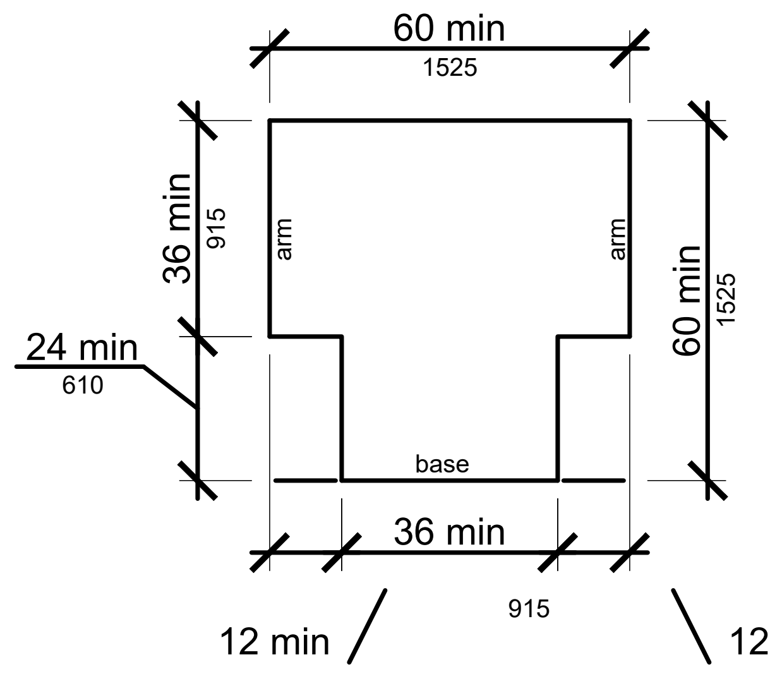


FIG. 304.3.3

305 CLEAR FLOOR OR GROUND SPACE

SCALE: N.T.S.

305.1 GENERAL. CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 305.

305.2 FLOOR & GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED, EXCEPTION - SLOPES NOT GREATER THAN 1:48 SHALL BE PERMITTED.

305.3 SIZE. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30" (760mm) MINIMUM BY 48" (1220mm) MINIMUM.

305.4 KNEE & TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

305.6 APPROACH. ONE FULL UNOBSTRUCTEDSIDE OF THE CLEARE FLOOR OR GROUND SPACE SHALL ADJOIN AND ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE.

305.7 MANEUVERING CLEARANCE. WHERE A CLEAR FLOOR OR GROUND SPACE IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SODES, ADDISIONAL MANEUVERING CLEARANCE SHALL BE PROVIDED IN ACCORDANCE WITH 305.7.1 AND 305.7.2.

305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36" (915mm) WIDE MINIMUM WHERE THE DEPTH EXCEEDS 24" (610mm).

305.7.2 PARALLEL APPROACH. ALCOVES SHALL BE 60" (1525mm) WIDE MINIMUM WHERE DEPTH EXCEEDS 15" (380mm).

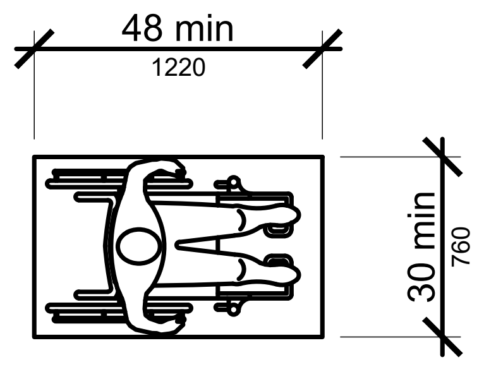
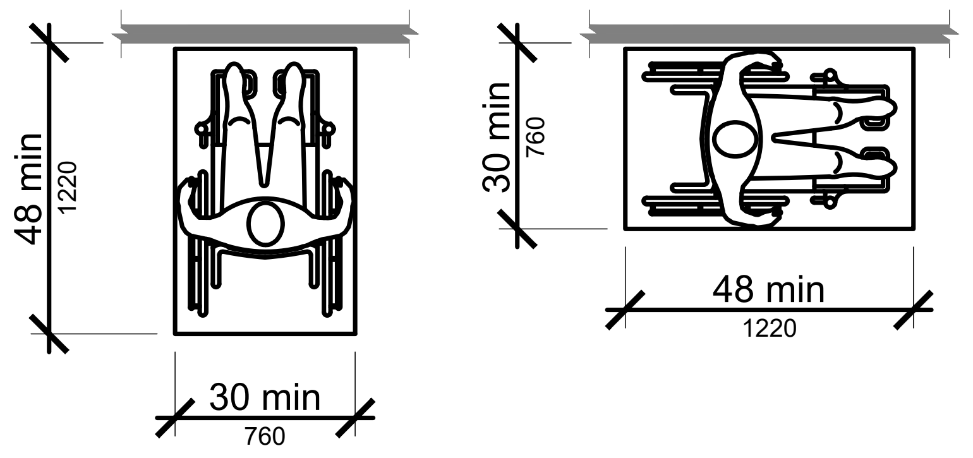


FIG. 305.3



(a) forward

(b) parallel

FIG. 305.5

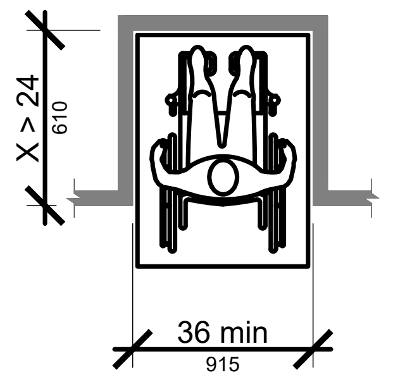


FIG. 305.7.1

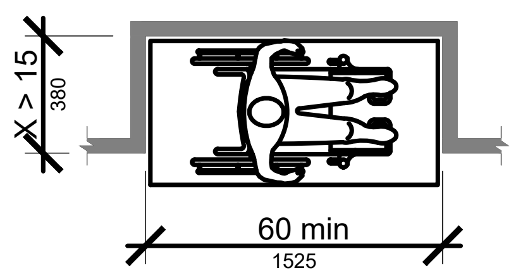


FIG. 305.7.2

306 KNEE & TOE CLEARANCE

SCALE: N.T.S.

306.1 GENERAL. WHERE SPACE BENEATH AN ELEMENT IS INCLUDED AS PART OF CLEARE FLOOR OR GROUND SPACE OR TURNING SPACE, THE SPACE SHALL COMPLY WITH 306. ADDITIONAL SPACE SHALL NOT BE PROHIBITED BENEATH AN ELEMENT BUT SHALL NOT BE CONSIDERED AS PART OF THE CLEAR FLOOR OR GROUND SURFACE OR TURNING SPACE.

306.2 TOE CLEARANCE.

306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9"(230mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2

306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25" (635mm) MAXIMUM UNDER AN ELEMENT.

306.2.3 MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED **AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" (430mm) MINIMUM UNDER THE ELEMENT.**

306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6" (150mm) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9" (230mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30" (760mm) WIDE MINIMUM.

306.3 KNEE CLEARANCE.

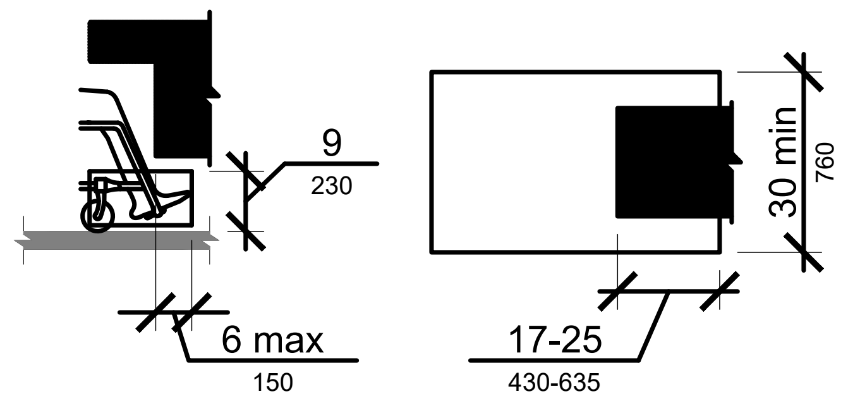
306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9" (230mm) AND 27" (685mm) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.

306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25" (635mm) MAXIMUM UNDER AN ELEMENT AT 9" (230mm) ABOVE THE FINISH FLOOR OR GROUND.

306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11" (205mm) DEEP MINIMUM AT 27" (685mm) ABOVE THE FINISH FLOOR OR GROUND.

306.3.4 CLEARANCE REDUCTION. BETWEEN 9" (230mm) AND 27" (685mm) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITED TO REDUCE AT A RATE OF 1" (25mm) IN DEPTH FOR EACH 6" (150mm) IN HEIGHT.

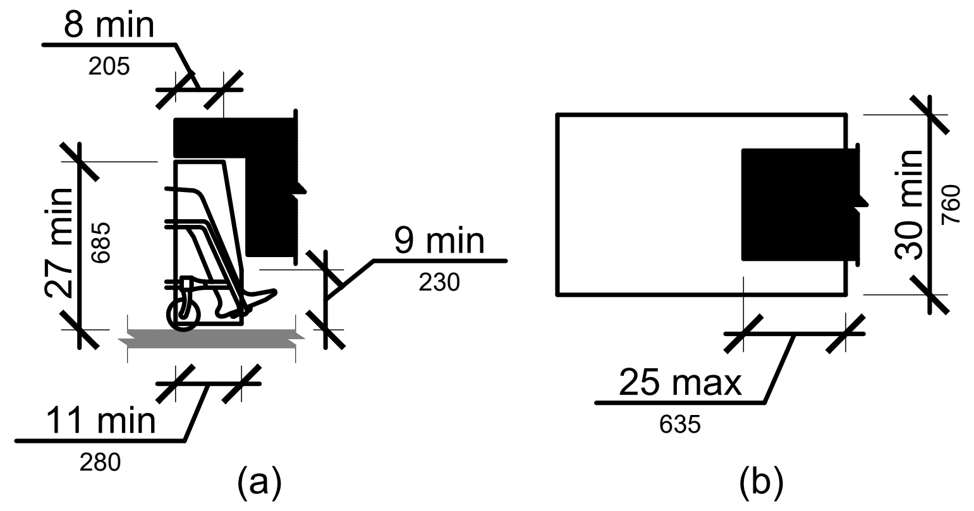
306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30" (760mm) WIDE MINIMUM.



(a) elevation

(b) plan

FIG. 306.2



(a) elevation

(b) plan

FIG. 306.3

307 PROTRUDING OBJECTS

SCALE: N.T.S.

307.1 GENERAL. PROTRUDING OBJECTS HSALL COMPLY WITH 307.

307.2 PROTRUSION LIMITS. OBJECTS WITH LEADING EDGES MORE THAN 27" (685mm) AND NOT MORE THAN 80" (2030mm) ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" (100mm) MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH. EXCEPTION - HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4½" (115mm) MAXIMUM.

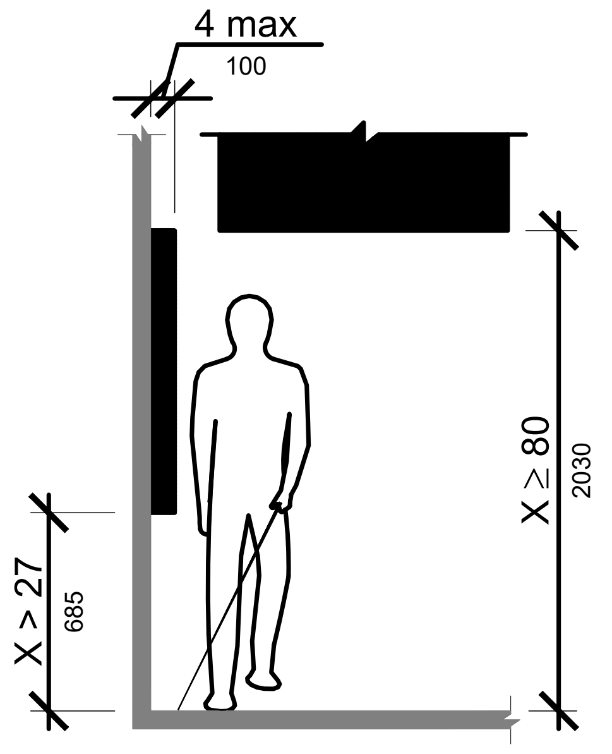


FIG. 307.2

308 REACH RANGES

SCALE: N.T.S.

308.1 GENERAL. REACH RANGES SHALL COMPLY WITH 308.

308.2 FORWARD REACH.

308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" (1220mm) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15" (380mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTURCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATHE THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48" (1220mm) MAXIMUM WHERE THE REACH DEPTH IS 20" (510mm) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20" (510mm), THE HIGH FORWARD REACH SHALL BE 44" (1120mm) MAXIMUM AND THE REACH DEPTH SHALL BE 25" (635mm) MAXIMUM.

308.3 SIDE REACH.

308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" (1220mm) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15" (380mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. EXCCEPTION - AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND TGHE ELEMENT WHER THE DEPTH OF THE OBSTRUCTION IS 10" (255mm) MAXIMUM.

308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" (865mm) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" (610mm) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48" (1220mm) MAXIMUM FOR A REACH DEPTH OF 10" (255mm) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10" (255mm), THE HIGH SIDE REACH SHALL BE 46" (1170mm) MAXIMUM FOR A REACH DEPTH OF 24" (610mm) MAXIMUM.

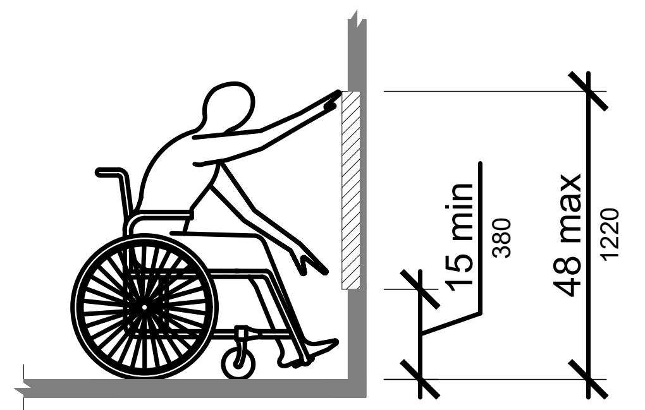
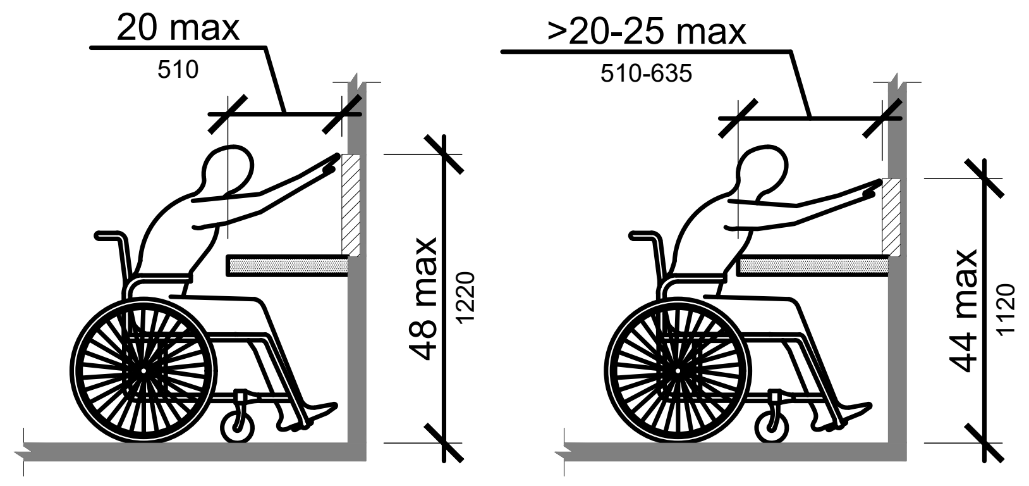


FIG. 308.2.1



(a)

(b)

FIG. 308.2.2

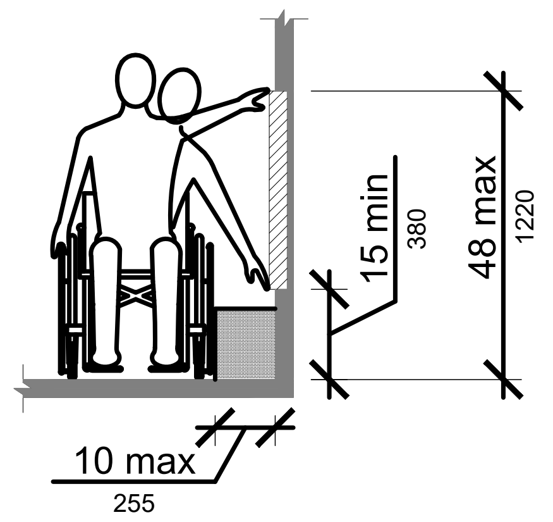
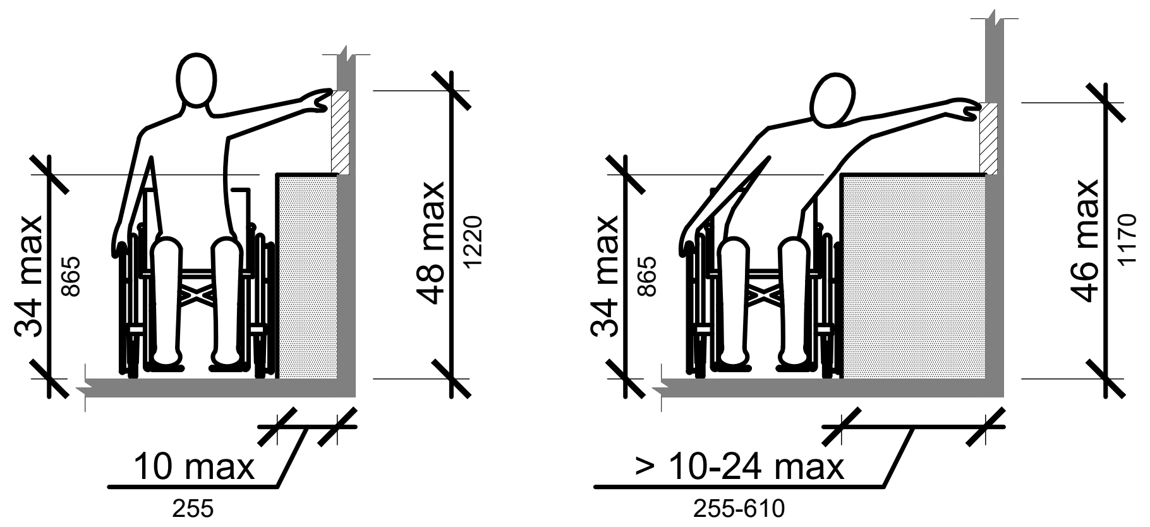


FIG. 308.3.1



(a)

(b)

FIG. 308.3.2

309 OPERABLE PARTS

SCALE: N.T.S.

402 ACCESSIBLE ROUTES

SCALE: N.T.S.

402.1 GENERAL. ACCESSIBLE ROUTES SHALL COMPLY WITH 402.

402.2 COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:54 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
ADA COMPLIANCE

PROJECT NO: 22057

ADA-1

403 WALKING SURFACES

SCALE: N.T.S.

403.1 GENERAL. WALKING SURFACES THAT ARE A PART OF AN *ACCESSIBLE* ROUTE SHALL COMPLY WITH 403.

403.2 FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES SHALL COMPLY WITH 302.

403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

403.4 CHANGE IN LEVEL. CHANGES IN LEVEL SHALL COMPLY WITH 303.

403.5 CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCES COMPLYING WITH 403.5. EXCEPTION - WITHIN EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

403.5.1 CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2 AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES (915 MM) MINIMUM.

403.5.2 CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES (1220 MM) WIDE, CLEAR WIDTH SHALL BE 42 INCHES (1065 MM) MINIMUM APPROACHING THE TURN, 48 INCHES (1220 MM) MINIMUM AT THE TURN AND 42 INCHES (1065 MM) MINIMUM LEAVING THE TURN. EXCEPTION - WHERE THE CLEAR WIDTH AT THE TURN IS 60 INCHES (1525 MM) MINIMUM COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

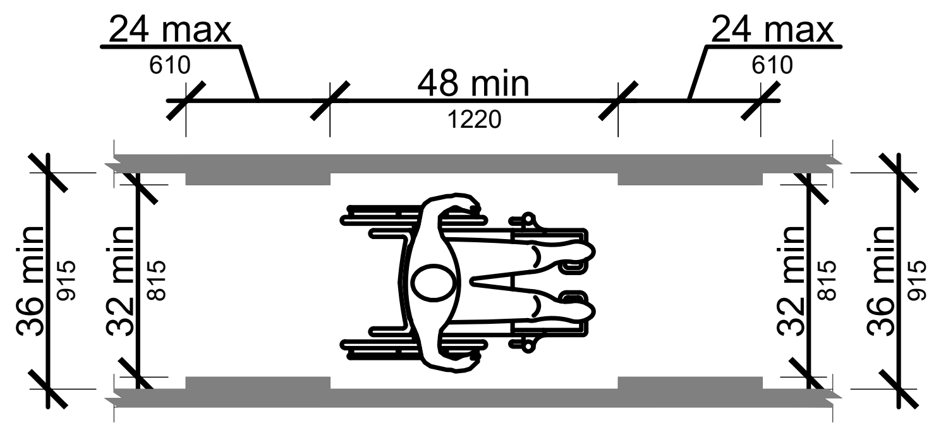


FIG. 403.5.1

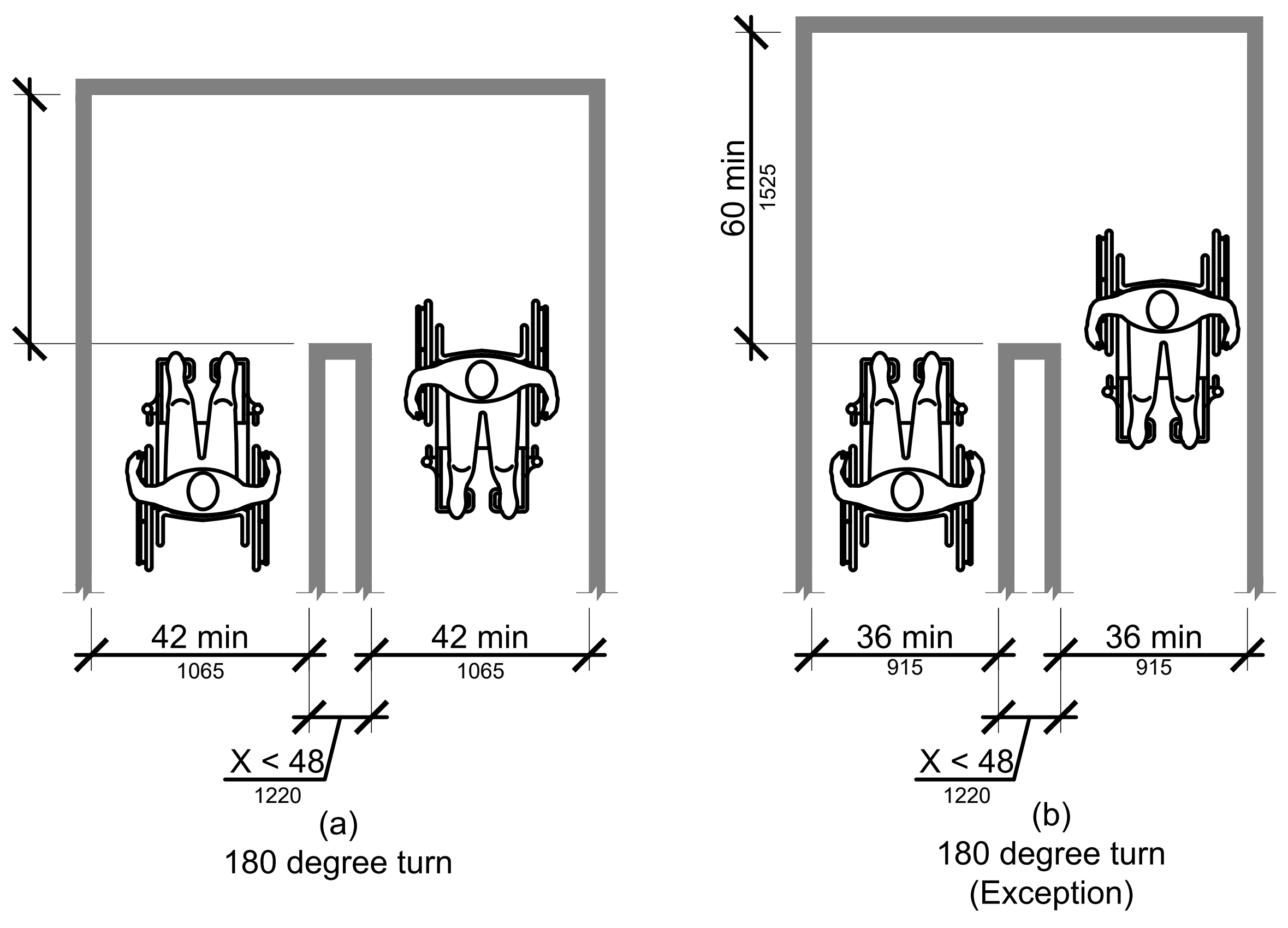


FIG. 403.5.2

404 DOORS, DOORWAYS, & GATES

SCALE: N.T.S.

404.1 GENERAL. DOORS, DOORWAYS, AND GATES THAT ARE PART OF THE ACCESSIBLE ROPUTE SHALL COMPLY WITH 404.

404.2 MANUAL DOORS, DOORWAYS, AND MANUAL GATES. MANUAL DOORS AND DOORWAYS AND MANUAL GATES INTENDED FOR USER PASSAGE SHALL COMPLY WITH 404.2.

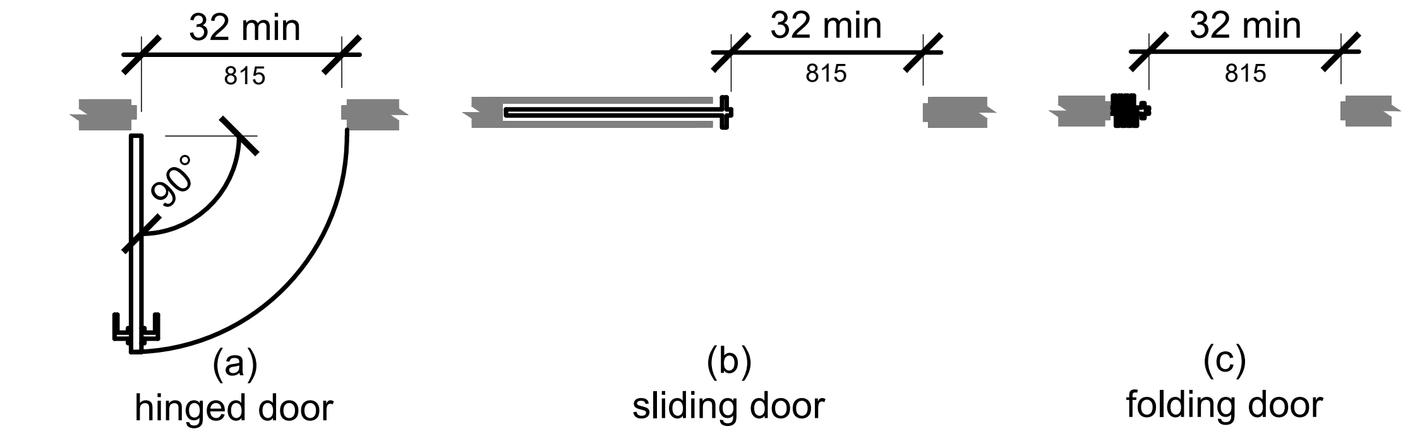
404.2.3 CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (815 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (915 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (865 MM) AND 80 INCHES (2030 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (100 MM).

404.2.4 MANEUVERING CLEARANCES. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 404.2.4. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.

404.2.4.1 SWINGING DOORS & GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH FIGURE 404.2.4.1.

404.2.4.2 DOORWAYS WITHOUT DOORS, OR GATES, SLIDING DOORS, & FOLDING DOORS. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH FIGURE 404.2.4.1.

402.6 DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES (1220 MM) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE *SPACE*.

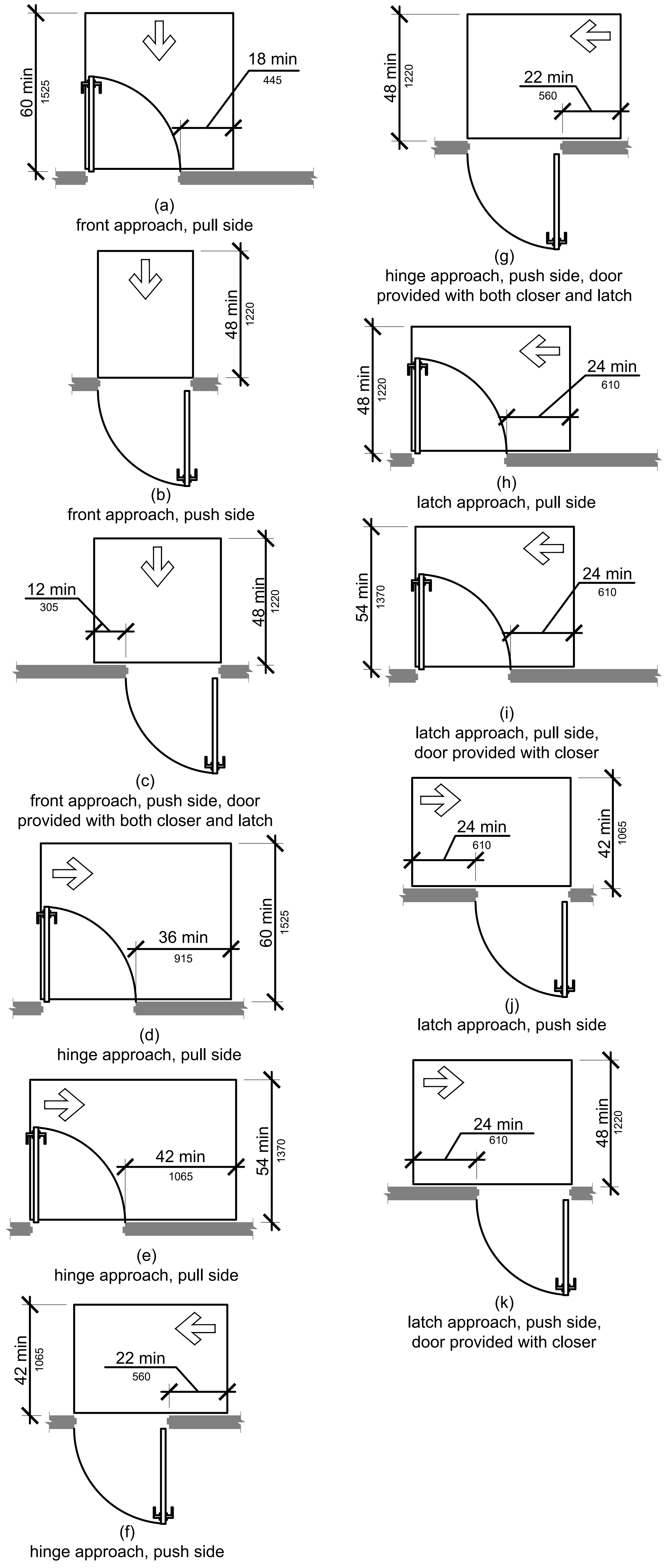


(a)
hinged door

(b)
sliding door

(c)
folding door

FIG. 404.2.3



(a)
front approach, pull side

(b)
front approach, push side

(c)
front approach, push side, door provided with both closer and latch

(d)
hinge approach, pull side

(e)
hinge approach, pull side

(f)
hinge approach, push side

(g)
hinge approach, push side, door provided with both closer and latch

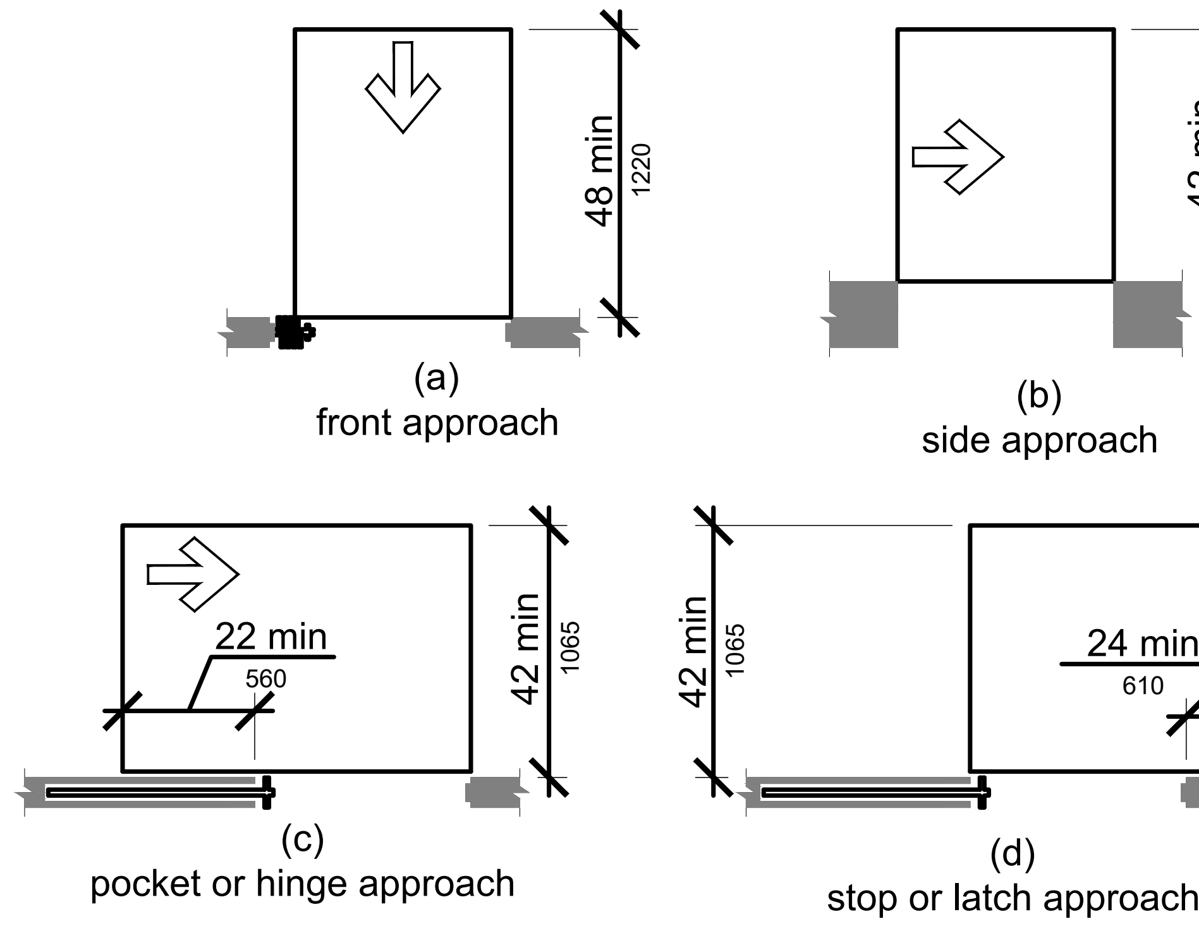
(h)
latch approach, pull side

(i)
latch approach, pull side, door provided with closer

(j)
latch approach, push side

(k)
latch approach, push side, door provided with closer

FIG. 404.2.4.1



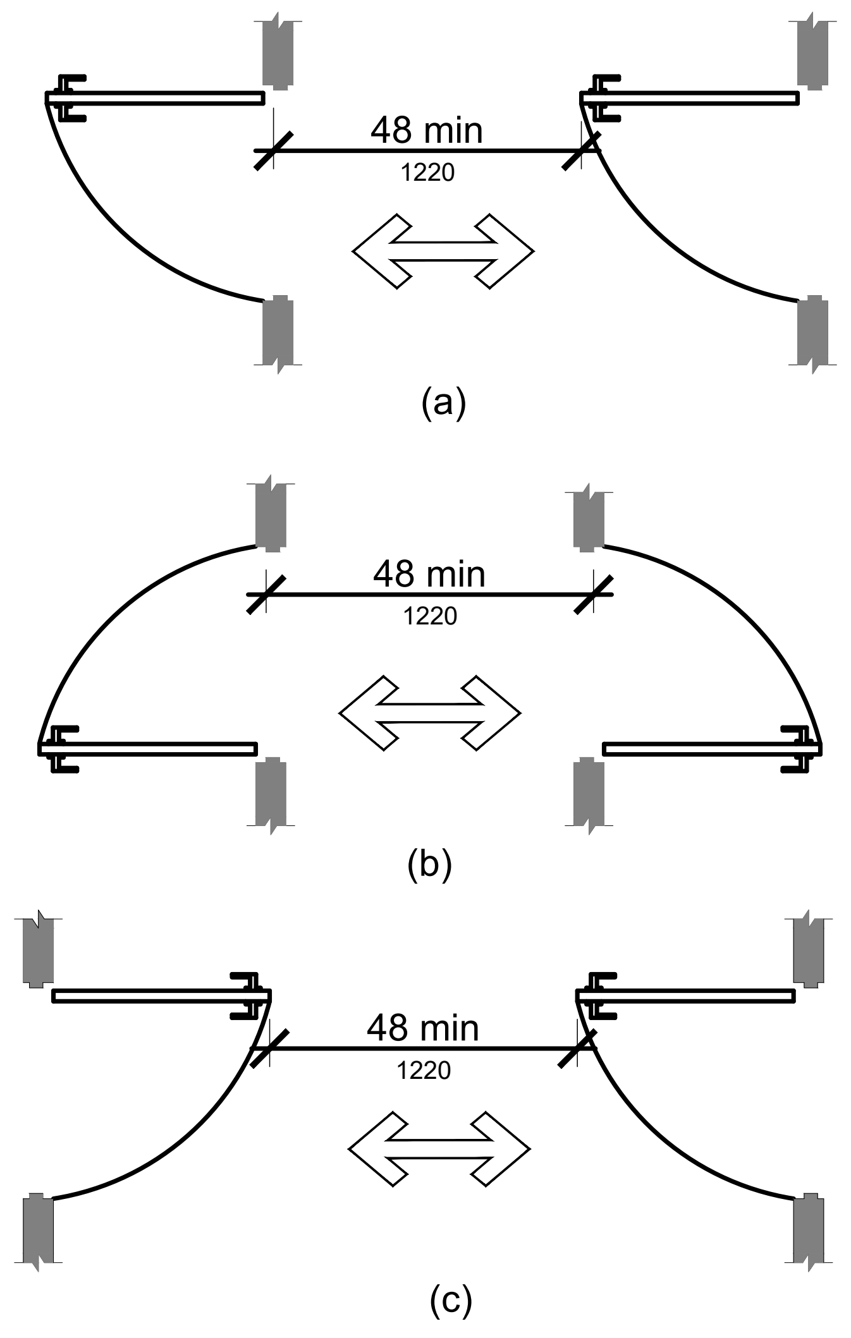
(a)
front approach

(b)
side approach

(c)
pocket or hinge approach

(d)
stop or latch approach

FIG. 404.2.4.2



(a)

(b)

(c)

FIG. 404.2.6

603 TOILET ROOMS

SCALE: N.T.S.

603.1 GENERAL. TOILET ROOMS SHALL COMPLY WITH 603.

603.2 CLEARANCES. CLEARANCES SHALL COMPLY WITH 603.2.

603.2.1 TURNING SPACE. TURNING *SPACE* COMPLYING WITH 304 SHALL BE PROVIDED WITHIN THE ROOM.

603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

603.2.3 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE. EXCEPTIONS - 1. DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3.
2. WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES (1015 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (890 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

604 WATER CLOSETS & TOILET COMPARTMENTS

SCALE: N.T.S.

604.1 GENERAL. WATER CLOSETS AND TOILET COMPARTMENTS SHALL COMPLY WITH 604.2 THROUGH 604.8

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES (405 MM) MINIMUM TO 18 INCHES (455 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY *ACCESSIBLE* TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

604.3 CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH 604.3.

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES (1420 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, *ACCESSIBLE* ROUTES, CLEAR FLOOR *SPACE* AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING *SPACE*. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM, LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES (915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE. **EXCEPTIONS - 1.** THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES (610 MM) LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL *SPACE* DOES NOT PERMIT A LENGTH OF 36 INCHES (915 MM) MINIMUM DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.
2. WHERE AN *ADMINISTRATIVE AUTHORITY* REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THEN THE REAR GRAB BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.

604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY *ACCESSIBLE* COMPARTMENTS COMPLYING WITH 604.8.2.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES (180 MM) MINIMUM AND 9 INCHES (230 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES (380 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

604.8 TOILET COMPARTMENTS. WHEELCHAIR *ACCESSIBLE* TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND 604.8.3. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH 603. AMBULATORY *ACCESSIBLE* COMPARTMENTS SHALL COMPLY WITH 604.8.2 AND 604.8.3.

604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR *ACCESSIBLE* COMPARTMENTS SHALL COMPLY WITH 604.8.1.

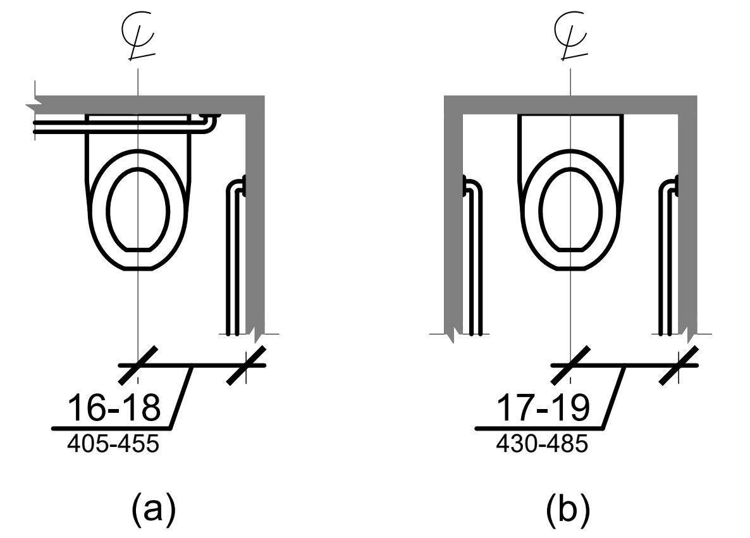
604.8.1.1 SIZE. WHEELCHAIR *ACCESSIBLE* COMPARTMENTS SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES (1420 MM) DEEP MINIMUM FOR WALL HUNG WATER CLOSETS AND 59 INCHES (1500 MM) DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL. WHEELCHAIR *ACCESSIBLE* COMPARTMENTS FOR *CHILDREN'S USE* SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 59 INCHES (1500 MM) DEEP MINIMUM FOR WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

604.8.1.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.1.3 APPROACH. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES (150 MM) DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. COMPARTMENTS FOR *CHILDREN'S USE* SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.
EXCEPTION: TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62 INCHES (1575 MM) DEEP WITH A WALL-HUNG WATER CLOSET OR 65 INCHES (1650 MM) DEEP WITH A FLOOR-MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 INCHES (1675 MM) WIDE.

604.8.1.5 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE-WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED AND SHALL BE LOCATED ON THE WALL CLOSEST TO THE WATER CLOSET. IN ADDITION, A REAR-WALL GRAB BAR COMPLYING WITH 604.5.2 SHALL BE PROVIDED.



(a)
wheelchair
accessible
water closets

(b)
ambulatory
accessible water
closets

FIG. 604.2

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005123

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:54 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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NOT RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:

CHK'D BY:

PROJECT DESCRIPTION:

PROJECT DESCRIPTION

PROJECT TITLE:

TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

ADA COMPLIANCE

PROJECT NO: 22057

ADA-2

604 WATER CLOSETS & TOILET COMPARTMENTS

SCALE: N.T.S.

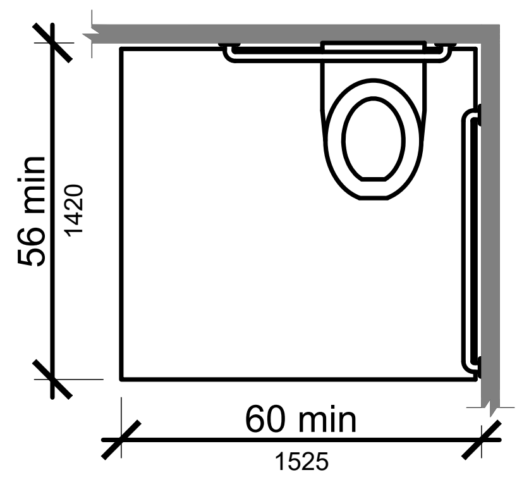


FIG. 604.3.1

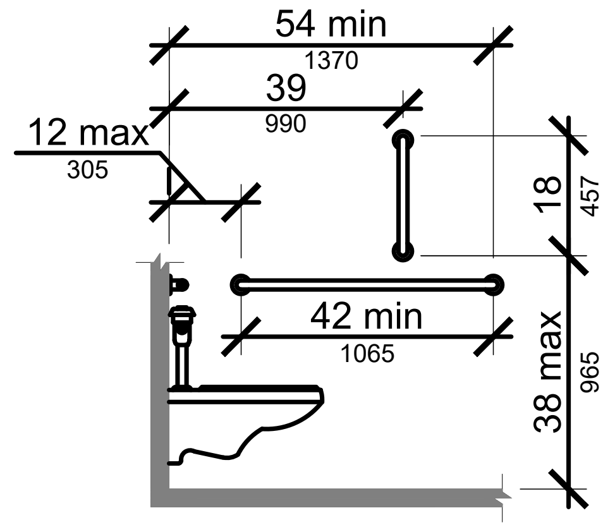


FIG. 604.5.1

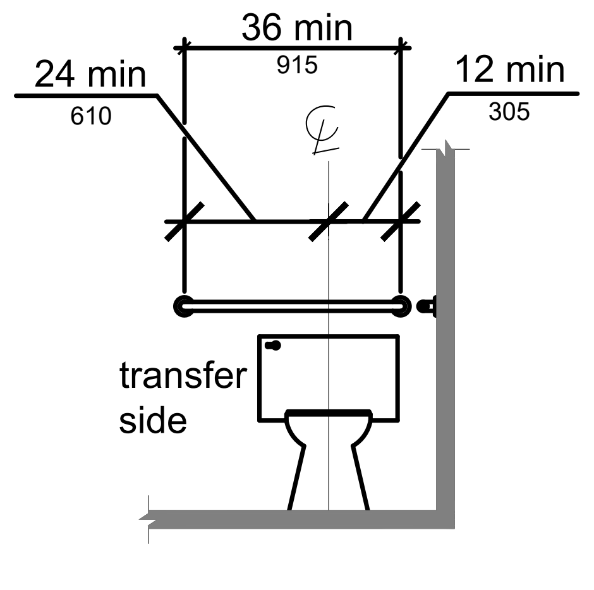


FIG. 604.5.2

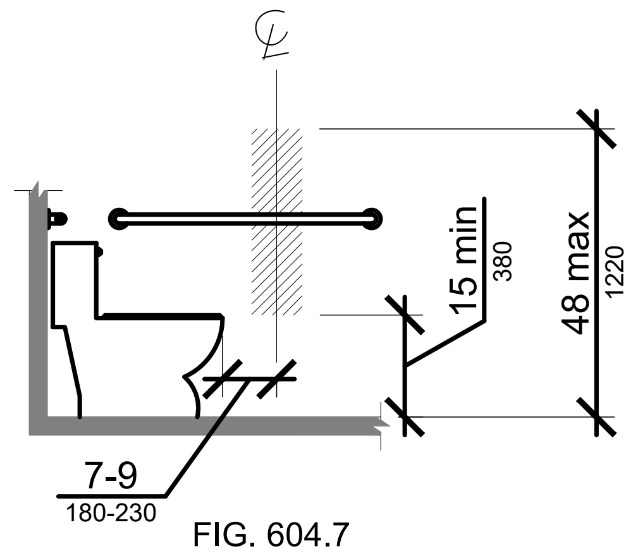
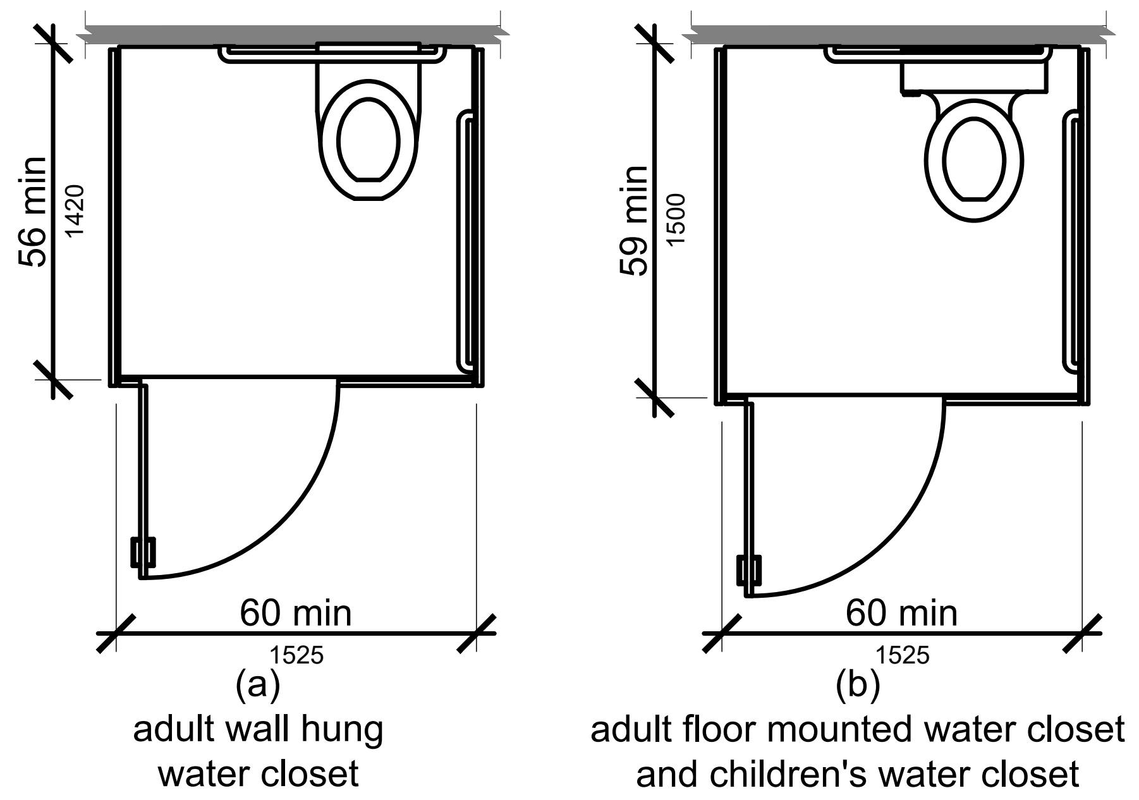


FIG. 604.7



(a)
adult wall hung water closet

(b)
adult floor mounted water closet and children's water closet

FIG. 604.8.1.1

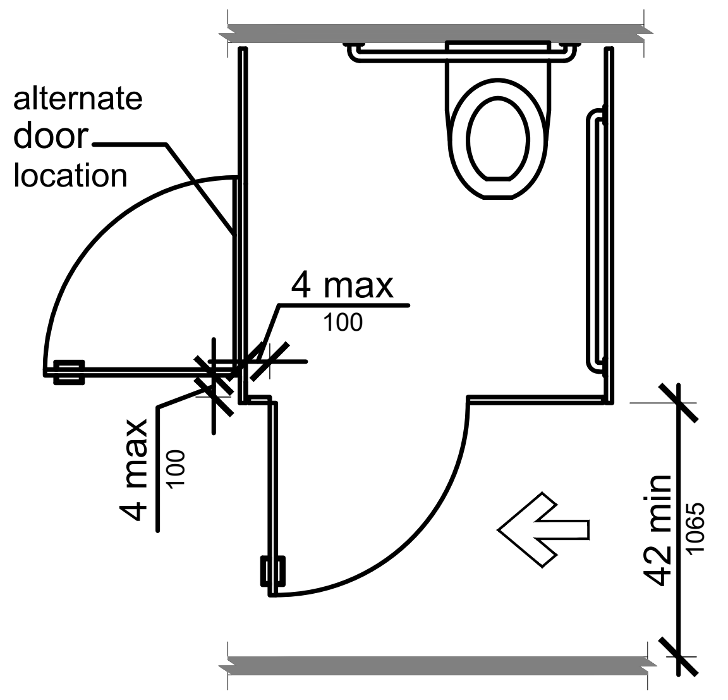
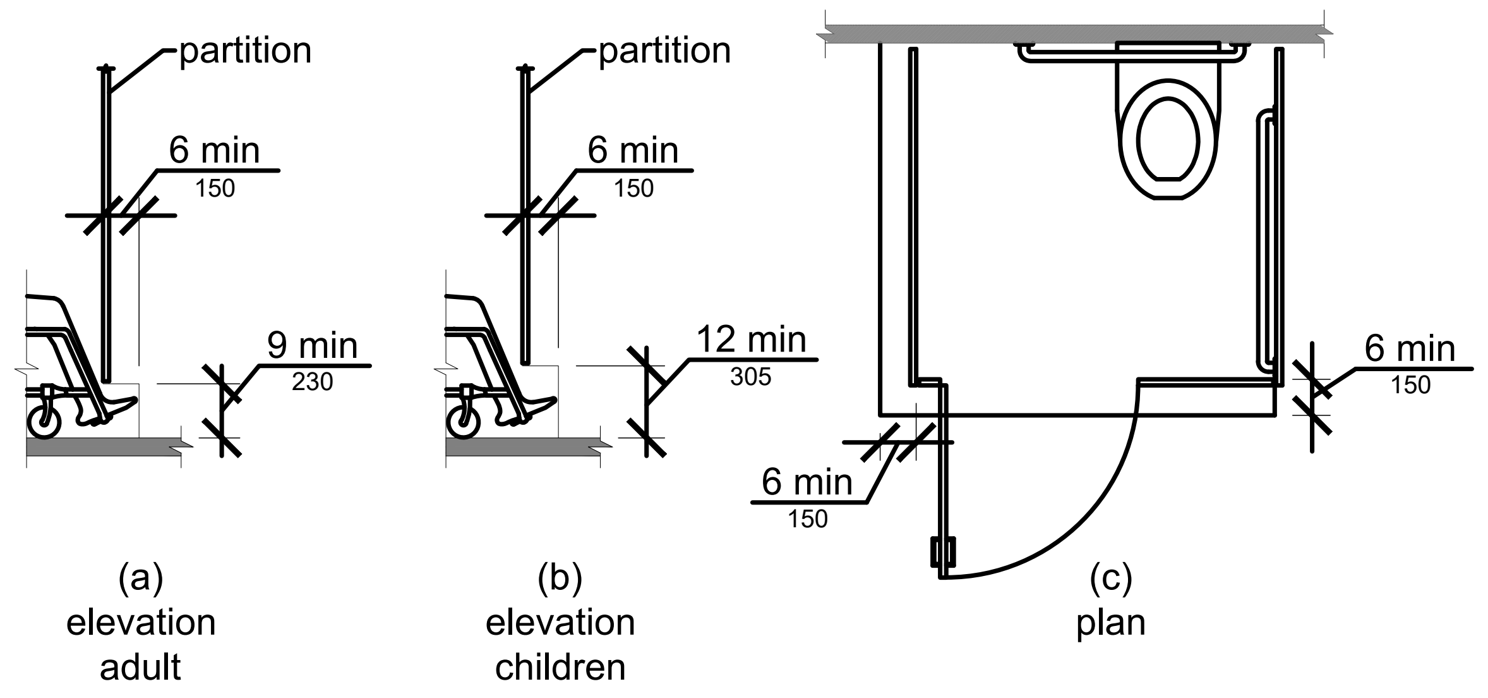


FIG. 604.8.1.2



(a)
elevation
adult

(b)
elevation
children

(c)
plan

FIG. 604.8.1.4

605 URINALS

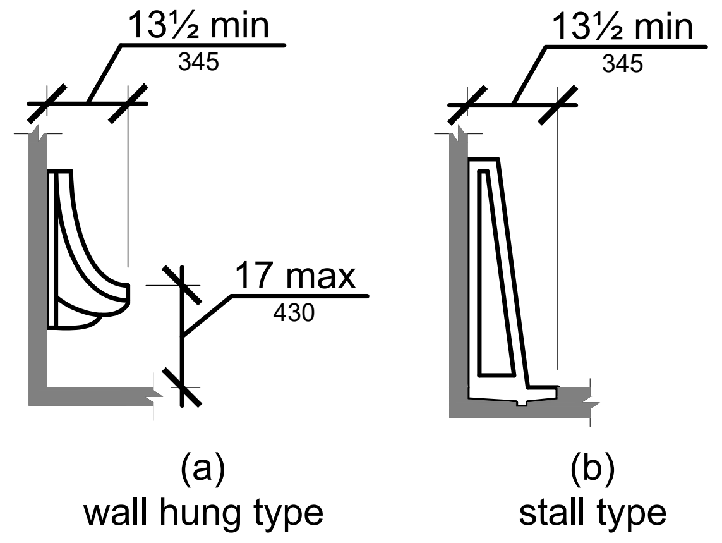
SCALE: N.T.S.

605.1 GENERAL. URINALS SHALL COMPLY WITH 605.

605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES (430 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13½ INCHES (345 MM) DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.

605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND *SPACE* COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.



(a)
wall hung type

(b)
stall type

FIG. 605.2

606 LAVATORIES & SINKS

SCALE: N.T.S.

606.1 GENERAL. LAVATORIES AND SINKS SHALL COMPLY WITH 606. IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN 308. LOCATE SOAP AND TOWEL DISPENSERS SO THAT THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE ACCESSIBLE LAVATORY.

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR *SPACE* COMPLYING WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

606.3 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES (865 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

606.4 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

606.4 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

703 SIGNS

SCALE: N.T.S.

703.1 GENERAL. SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND *TACTILE CHARACTERS* ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND *TACTILE CHARACTERS*, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH *TACTILE CHARACTERS*, SHALL BE PROVIDED.

703.2 RAISED CHARACTERS. RAISED *CHARACTERS* SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED *CHARACTERS* SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

703.2.1 DEPTH. RAISED *CHARACTERS* SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND.

703.2.2 CASE. *CHARACTERS* SHALL BE UPPERCASE.

703.2.3 STYLE. *CHARACTERS* SHALL BE SANS SERIF. *CHARACTERS* SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.2.4 CHARACTER PROPORTIONS. *CHARACTERS* SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER “O” IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER “I”.

703.2.5 CHARACTER HEIGHT. *CHARACTER* HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE *CHARACTER* SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER “I”.
EXCEPTION - WHERE SEPARATE RAISED AND VISUAL *CHARACTERS* WITH THE SAME INFORMATION ARE PROVIDED, RAISED *CHARACTER* HEIGHT SHALL BE PERMITTED TO BE ½ INCH (13 MM) MINIMUM.

703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER “I” SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE *CHARACTER*.

703.2.7 CHARACTER SPACING. *CHARACTER* SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED *CHARACTERS* WITHIN A MESSAGE, EXCLUDING WORD *SPACES*. WHERE *CHARACTERS* HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED *CHARACTERS* SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED *CHARACTER* STROKE WIDTH MAXIMUM. WHERE *CHARACTERS* HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED *CHARACTERS* SHALL BE 1/16 INCH (1.6 MM) MINIMUM AND 4 TIMES THE RAISED *CHARACTER* STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED *CHARACTER* STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. *CHARACTERS* SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE *ELEMENTS* 3/8 INCH (9.5 MM) MINIMUM.

703.2.8 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED *CHARACTERS* WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED *CHARACTER* HEIGHT.

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4

703.3.1 DIMENSIONS AND CAPITALIZATION. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM FROM ANY OTHER *TACTILE CHARACTERS* AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE *ELEMENTS*.

703.4 INSTALLATION HEIGHT AND LOCATION. SIGNS WITH *TACTILE CHARACTERS* SHALL COMPLY WITH 703.4.

703.4.1 HEIGHT ABOVE FINISHED FLOOR OR GROUND. *TACTILE CHARACTERS* ON SIGNS SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST *TACTILE CHARACTER* AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST *TACTILE CHARACTER*.

703.4.2 LOCATION. WHERE A *TACTILE* SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A *TACTILE* SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A *TACTILE* SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL *SPACE* AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING *TACTILE CHARACTERS* SHALL BE LOCATED SO THAT A CLEAR FLOOR *SPACE* OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE *TACTILE CHARACTERS*, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. **EXCEPTION -** SIGNS WITH *TACTILE CHARACTERS* SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

703.5 VISUAL CHARACTERS. VISUAL *CHARACTERS* SHALL COMPLY WITH 703.5. **EXCEPTION -** WHERE VISUAL *CHARACTERS* COMPLY WITH 703.2 AND ARE ACCOMPANIED BY BRAILLE COMPLYING WITH 703.3, THEY SHALL NOT BE REQUIRED TO COMPLY WITH 703.5.2 THROUGH 703.5.9.

703.5.1 FINISH AND CONTRAST. *CHARACTERS* AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. *CHARACTERS* SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT *CHARACTERS* ON A DARK BACKGROUND OR DARK *CHARACTERS* ON A LIGHT BACKGROUND.

703.5.2 CASE. *CHARACTERS* SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

703.5.3 STYLE. *CHARACTERS* SHALL BE CONVENTIONAL IN FORM. *CHARACTERS* SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.5.4 CHARACTER PROPORTIONS. *CHARACTERS* SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER “O” IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER “I”.

703.5.5 CHARACTER HEIGHT. MINIMUM *CHARACTER* HEIGHT SHALL COMPLY WITH TABLE 703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE *CHARACTER* AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. *CHARACTER* HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER “I”.

703.5.6 HEIGHT FROM FINISHED FLOOR OR GROUND. VISUAL *CHARACTERS* SHALL BE 40 INCHES (1015 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

703.5.7 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER “I” SHALL BE 10 PERCENT MINIMUM AND 30 PERCENT MAXIMUM OF THE HEIGHT OF THE *CHARACTER*.

703.5.8 CHARACTER SPACING. *CHARACTER* SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT *CHARACTERS*, EXCLUDING WORD *SPACES*. SPACING BETWEEN INDIVIDUAL *CHARACTERS* SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF *CHARACTER* HEIGHT.

703.5.9 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF *CHARACTERS* WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE *CHARACTER* HEIGHT.

703.6 PICTOGRAMS. *PICTOGRAMS* SHALL COMPLY WITH 703.6.

703.6.1 PICTOGRAM FIELD. *PICTOGRAMS* SHALL HAVE A FIELD HEIGHT OF 6 INCHES (150 MM) MINIMUM.
CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE *PICTOGRAM* FIELD.

703.6.2 FINISH AND CONTRAST. *PICTOGRAMS* AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. *PICTOGRAMS* SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT *PICTOGRAM* ON A DARK FIELD OR A DARK *PICTOGRAM* ON A LIGHT FIELD.

703.6.3 TEXT DESCRIPTORS. *PICTOGRAMS* SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE *PICTOGRAM* FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 703.2, 703.3 AND 703.4.

703.7 SYMBOL OF ACCESSIBILITY. SYMBOLS OF *ACCESSIBILITY* SHALL COMPLY WITH 703.7.

703.6.2 FINISH AND CONTRAST. SYMBOLS OF *ACCESSIBILITY* AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF *ACCESSIBILITY* SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

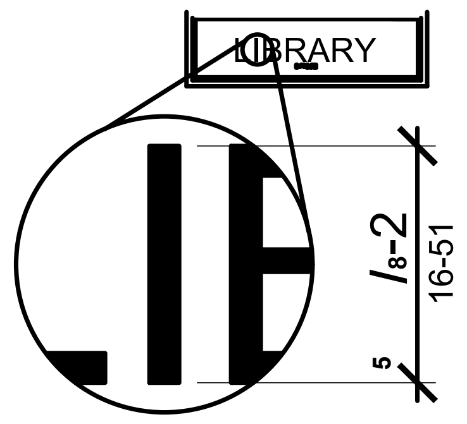


FIG. 703.2.5

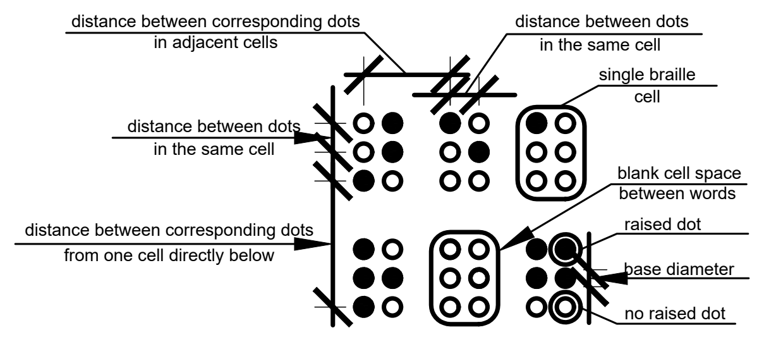

distance between corresponding dots in adjacent cells
distance between dots in the same cell
single braille cell
distance between dots in the same cell
blank cell space between words
raised dot
distance between corresponding dots from one cell directly below
base diameter
no raised dot

FIG. 703.3.1

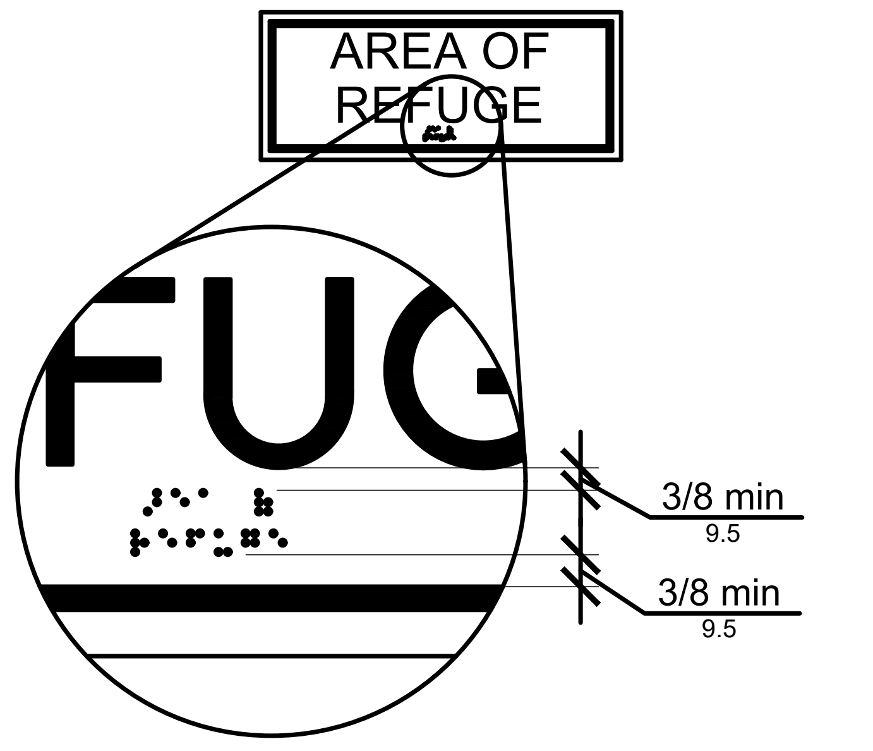


FIG. 703.3.2

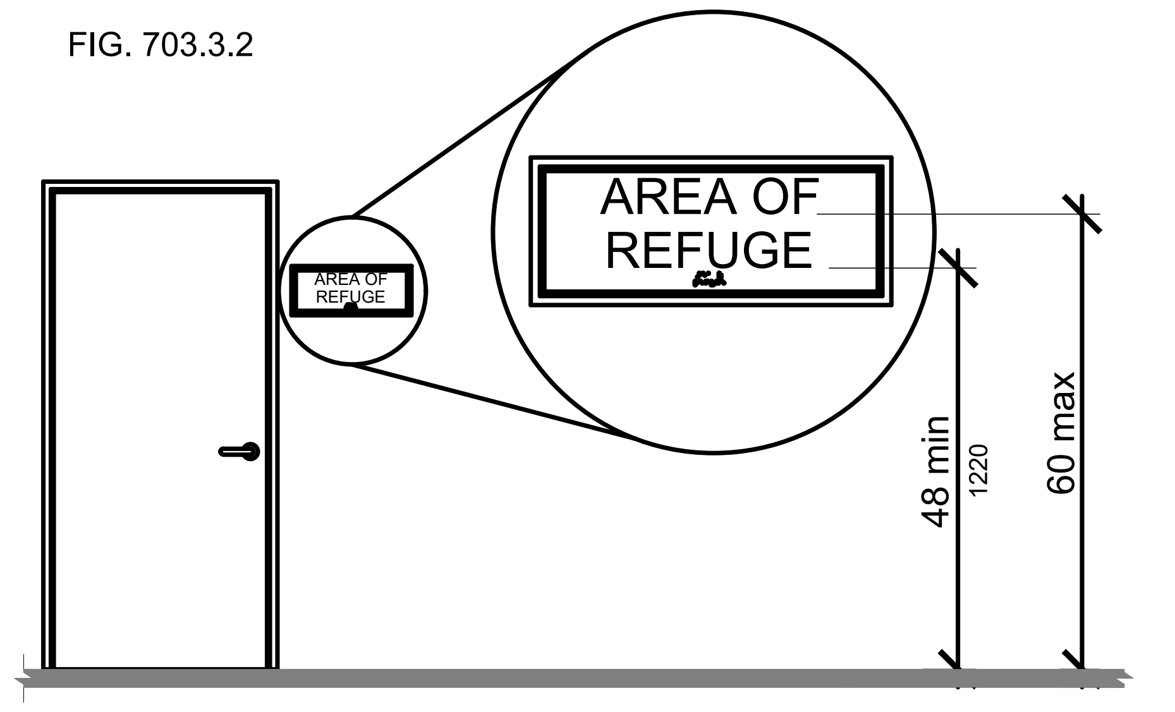


FIG. 703.4.1

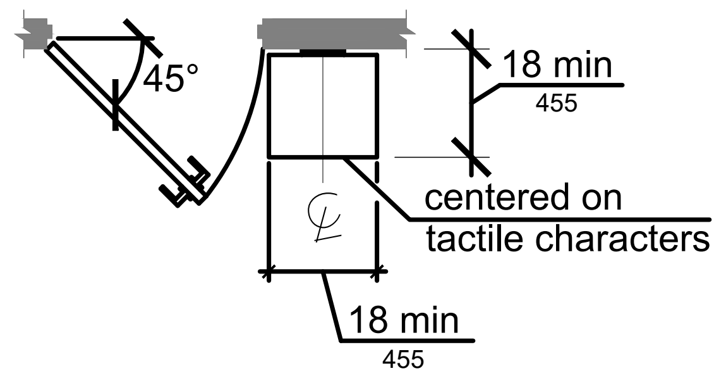


FIG. 703.4.2

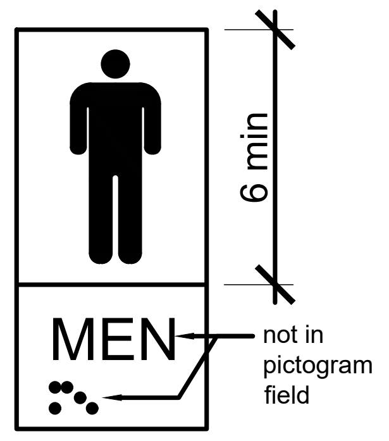


FIG. 703.6.1

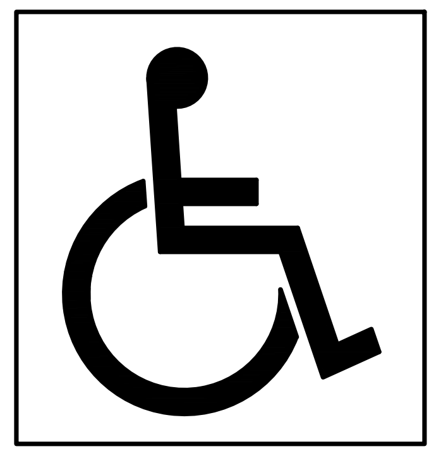


FIG. 703.7.2.1

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
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Chris Archuleta
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
ADA COMPLIANCE

PROJECT NO: 22057

ADA-3

NOTE:
SECTIONS 2902.1
OF THE INTERNATIONAL BUILDING CODE MUST BE COMPLIED WITH.
(N.M. COMMERCIAL BUILDING CODE)

MIN. PLUMB. FIX. - DRINKING FOUNTAIN

NOTE:
SECTIONS 904
OF THE ICC A117.1 STANDARD FOR ACCESSIBLE, USABLE BULDINGS AND FACILITIES.

SALES AND SERVICE COUNTERS

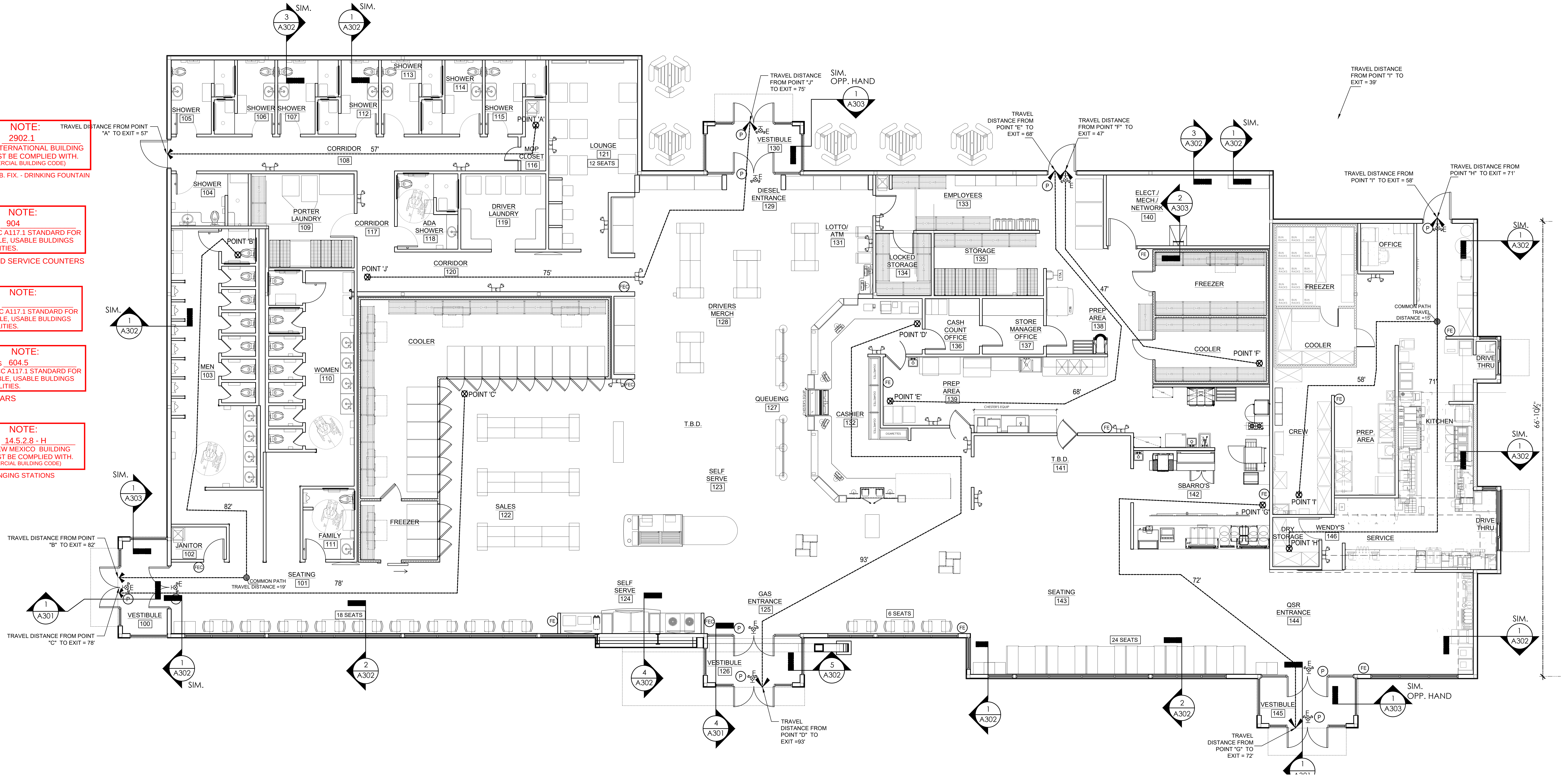
NOTE:
SECTIONS ____________
OF THE ICC A117.1 STANDARD FOR ACCESSIBLE, USABLE BULDINGS AND FACILITIES.

NOTE:
SECTIONS 604.5
OF THE ICC A117.1 STANDARD FOR ACCESSIBLE, USABLE BULDINGS AND FACILITIES.

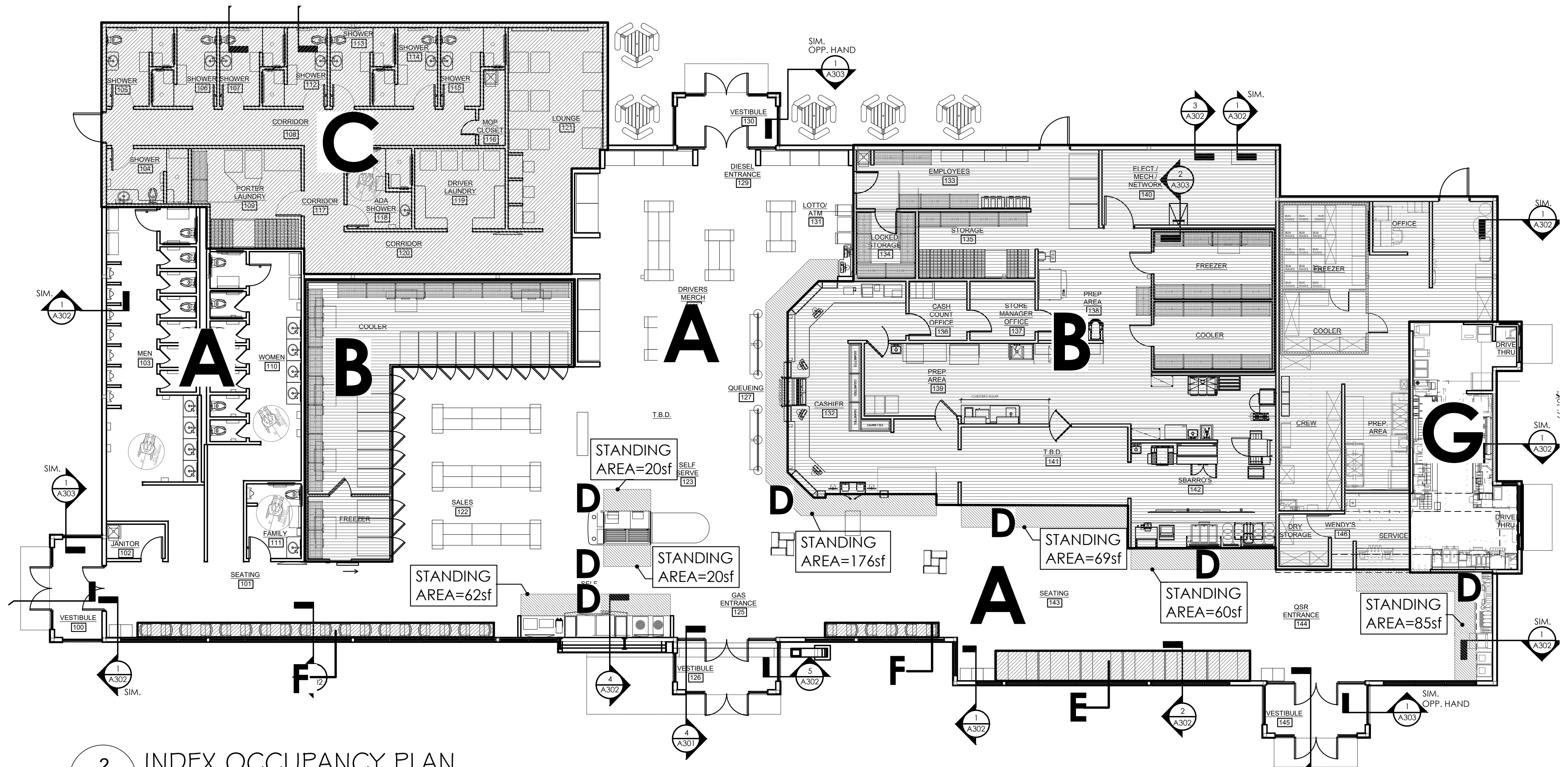
GRAB BARS

NOTE:
SECTIONS 14.5.2.8 - H
OF THE NEW MEXICO BUILDING CODE MUST BE COMPLIED WITH.
(N.M. COMMERCIAL BUILDING CODE)

BABY CHANGING STATIONS



1 LIFE SAFETY PLAN
LSP-100 1/8" = 1'-0"



2 INDEX OCCUPANCY PLAN
LSP-100 1/16" = 1'-0"

CODE SUMMARY
M - MERCANTILE
BUILDING CODE - 2015 IBC

CONSTRUCTION TYPE: V-B
OCCUPANCY TYPE M - MERCANTILE
15,543 SF

OCCUPANT LOAD - (IBC TABLE 1004.1.2)

A	MERCANTILE PUBLIC	6842 /60 = 114
B	MERCANTILE B.O.H	5197/100 = 52
C	DRIVERS SERVICES	2173/150 = 14
D	STANDING AREA	492/5 = 98
E	FIXED SEATS (146sf)	24
F	SEATING (NON FIXED) (129sf)	24
G	WENDY'S KITCHEN	971/200 = 5
		TOTAL = 331

SPRINKLER REQUIREMENTS (IBC 903.2.7) **REQUIRED**.

TRAVEL DISTANCE (IBC TABLE 1017.2)
200'-0" MAX ALLOWED
93'-0" MAX PROVIDED

COMMON PATH OF EGRESS TRAVEL (IFC 1006.2.1)
75'-0" MAX ALLOWED
19'-0" MAX PROVIDED

EXITS

EXITS WIDTH REQUIRED: LSC 39.2.3

MERCANTILE PUBLIC	.2 x 114 = 22.8"
MERCANTILE B.O.H	.2 x 52 = 10.4"
DRIVERS SERVICES	.2 x 14 = 2.8"
RESTAURANT SEATING	.2 x 48 = 9.6"
WENDY'S KITCHEN	.2 x 10 = 2"

TOTAL Required = 47.6"

8 x 36" = 288" provided
3 x 48" = 144" provided

TOTAL = 432" provided (o.k.)

LEGEND:

→	EGRESS TRAVEL
(P)	DOORS WITH PANIC HARDWARE
(FEC)	FIRE EXTINGUISHER CABINET
(FE)	FIRE EXTINGUISHER
⊗	EMERGENCY EXIT LIGHT PACK
⊓	EMERGENCY LIGHT PACK

NOTE:
REFER TO SHEET G000 FOR CODE DATA AND PROJECT INFORMATION.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:
THOMAS E. MORGAN, JR.
NO. 005323

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MRP
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P. 770-917-9172
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www.mrpdesign.com

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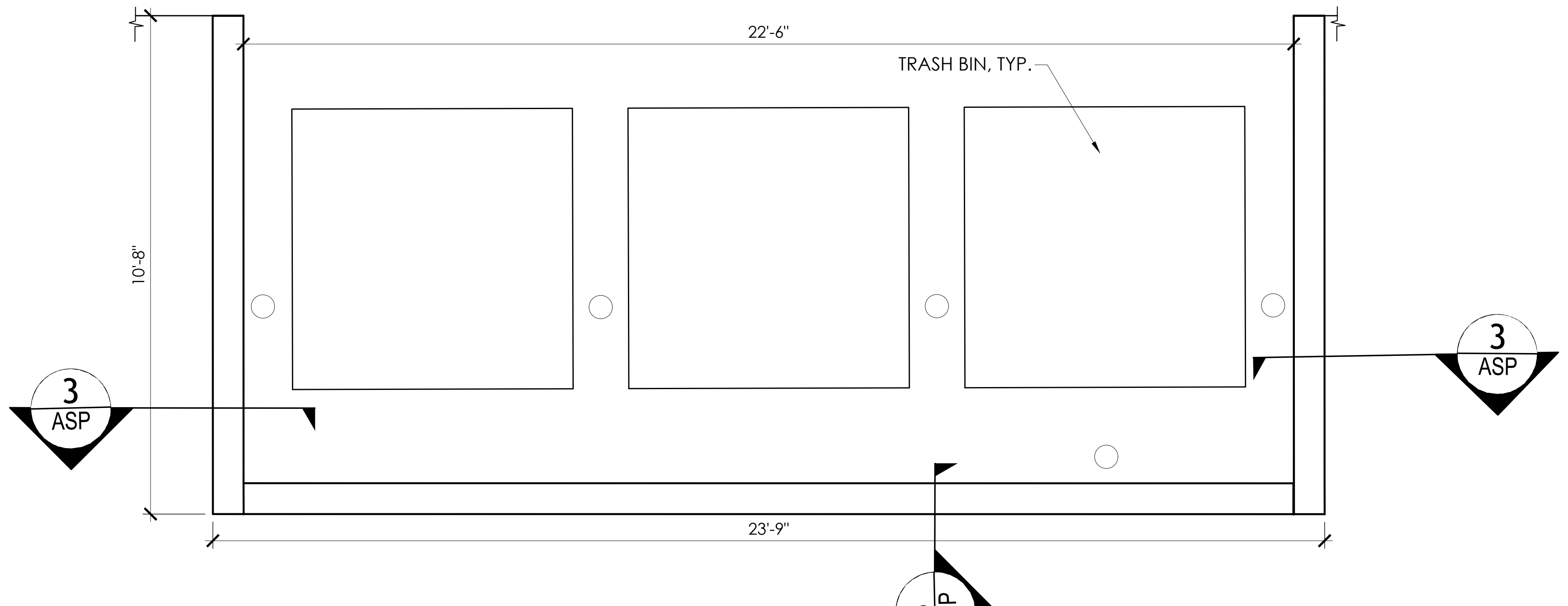
TRAVEL CENTER
TUCUMCARI, NM

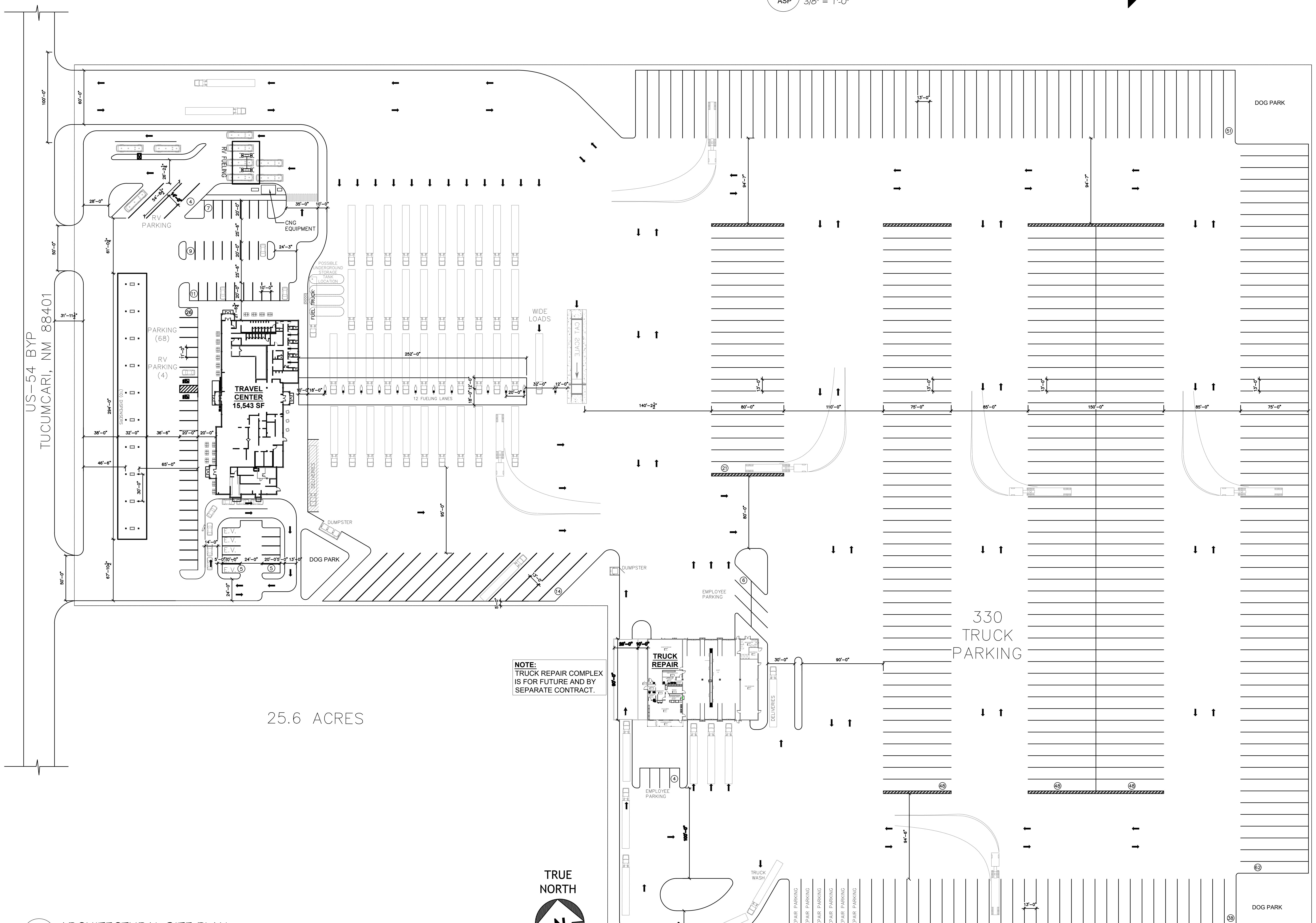
SHEET TITLE:
LIFE SAFETY PLAN

PROJECT NO: 22057

LSP-100

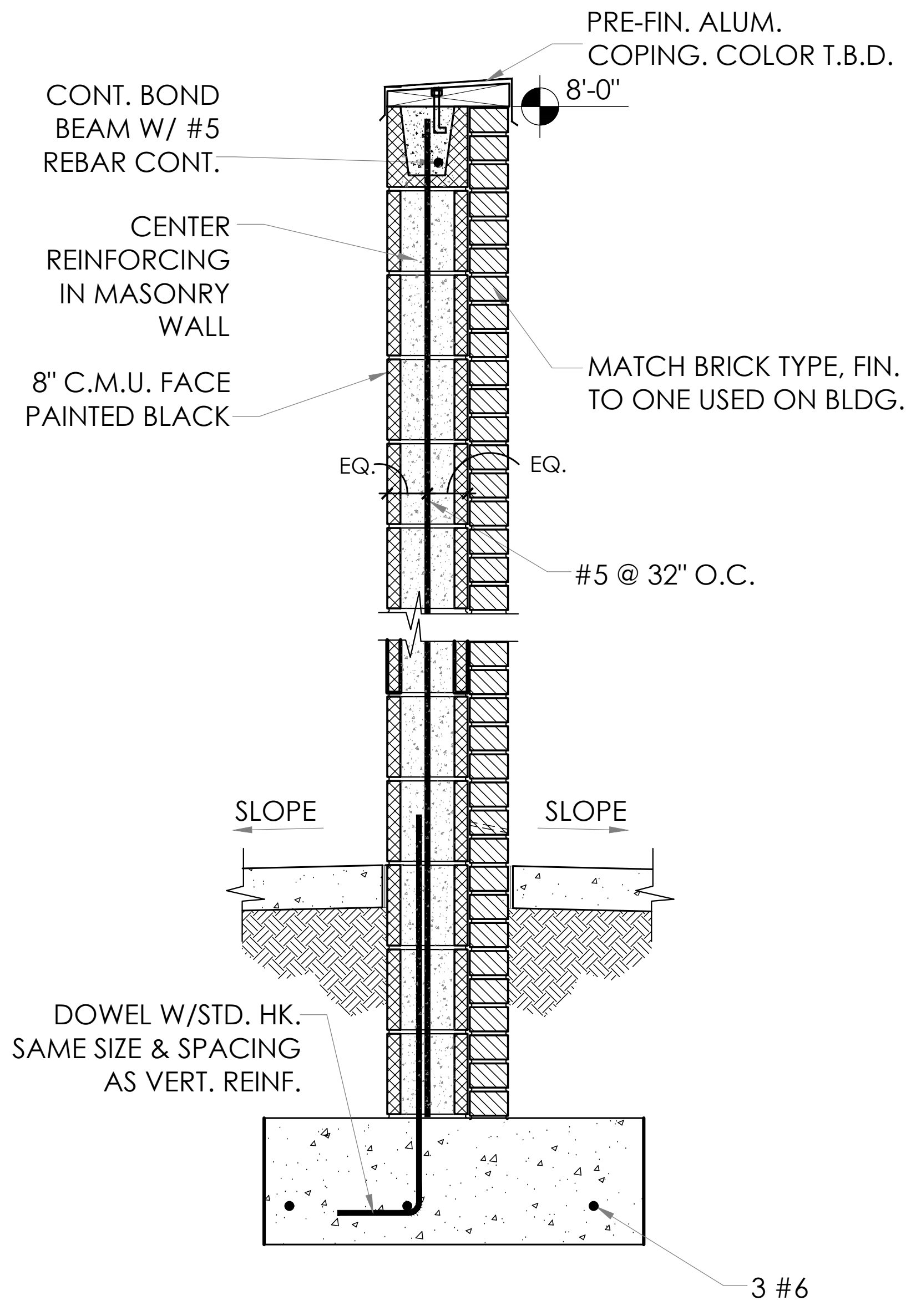


2 ASP DUMPSTER SCREENING WALL PLAN
3/8" = 1'-0"



NOTE:
TRUCK REPAIR COMPLEX IS FOR FUTURE AND BY SEPARATE CONTRACT.

1 ASP ARCHITECTURAL SITE PLAN
1/64" = 1'-0"


PRE-FIN. ALUM. COPING. COLOR T.B.D.
8'-0"
CONT. BOND BEAM W/ #5 REBAR CONT.
CENTER REINFORCING IN MASONRY WALL
8" C.M.U. FACE PAINTED BLACK
MATCH BRICK TYPE, FIN. TO ONE USED ON BLDG.
EQ.
EQ.
#5 @ 32" O.C.
SLOPE
SLOPE
DOWEL W/STD. HK. SAME SIZE & SPACING AS VERT. REINF.
3 #6

3 ASP DUMPSTER SCREENING WALL SECTION
3/4" = 1'-0"

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO BUILD PER ALL APPLICABLE CODES AND REGULATIONS: FEDERAL, STATE, AND LOCAL.
2. ALL SUBCONTRACTORS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL SHALL BE RESPONSIBLE FOR SECURING PERMITS FOR THEIR WORK & TRADE UTILITY. FURTHER DRAWINGS (IF REQUIRED) FOR PERMITS AND UTILITY HOOK- UPS SHALL ALSO BE BY THE SUBCONTRACTOR.
3. ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR WILL MAKE ASSUMPTIONS AT HIS OWN EXPENSE.
4. THE GENERAL CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS PER NFPA 70 (OR LOCAL AUTHORITY). FIRE EXTINGUISHERS SHALL BE MOUNTED, TOP = 48" AFF.
5. THIS STATEMENT SHALL NOT GOVERN OVER MANUFACTURERS' WARRANTIES. THE GENERAL CONTRACTOR SHALL WARRANTY HIS WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY & ACCEPTANCE OF WORK BY THE OWNER. DEFECTIVE OR INFERIOR MATERIALS OR WORKMANSHIP FOUND AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND ALSO DURING THE WARRANTEE PERIOD MAY BE REJECTED, REGARDLESS OF PREVIOUS INSPECTION. CORRECTIVE MEASURES WHEN REQUIRED SHALL BE EXECUTED AT NO ADDITIONAL COST TO THE OWNER.
6. ALL MATERIALS RELATED TO THIS WORK SHALL BE: SHIPPED, STORED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
7. THE G.C. WILL LEAVE THIS SITE FREE AND CLEAR OF DEBRIS UPON COMPLETION OF THE WORK.
8. WHERE THESE DOCUMENTS INDICATE TRADE OR MANUFACTURER NAMES, THE CONTRACTOR MAY SUBSTITUTE A PRODUCT OR METHOD OF BETTER OR EQUAL QUALITY UPON APPROVAL BY THE OWNER AND ZAXBY'S FRANCHISING.
9. UPON COMPLETION OF BUILDING & ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE, PREPARE, ASSEMBLE, AND TRANSMIT TO THE OWNER THE FOLLOWING: MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT, WARRANTIES FOR ALL EQUIPMENT FOR A MINIMUM OF ONE YEAR FROM THE ACCEPTANCE DATE, KEYS WITH SCHEDULE AND DEMONSTRATE THE EQUIPMENT.
10. TERMITE PROTECTION SHALL BE PROVIDED UNDER THE FLOOR SLAB. INSTALLATION AND WARRANTEE SHALL BE PER THE INTERNATIONAL BUILDING CODE.

MUNICIPAL REQUIREMENTS

1. THE GENERAL CONTRACTOR SHALL SUBMIT TO BUILDING INSPECTIONS, SOIL COMPACTION DATA PRIOR TO THE PLACEMENT OF CONCRETE.
2. PLANS AND DESIGN CRITERIA FROM THE ROOF TRUSS MANUFACTURER SHALL BE SUBMITTED TO THE BUILDING INSPECTORS. THE DATA PROVIDED SHOULD BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER. THE PLANS SHOULD INCLUDE DEAD LOAD, LIVE LOAD, WIND LOAD, AND COLLATERAL LOADING FOR ALL COMPONENT SECTIONS
3. EXHAUST HOODS AND FIRE SUPPRESSION SYSTEMS ARE TO BE APPROVED BY THE APPROPRIATE AUTHORITIES (FIRE MARSHALL, ETC.) IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN APPROVALS.

NOTE:

REFER TO CIVIL PLANS DRAWINGS FOR CURBS, SIDEWALKS, PLANTER AREAS, ETC.

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THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

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PROJECT DESCRIPTION

PROJECT TITLE:

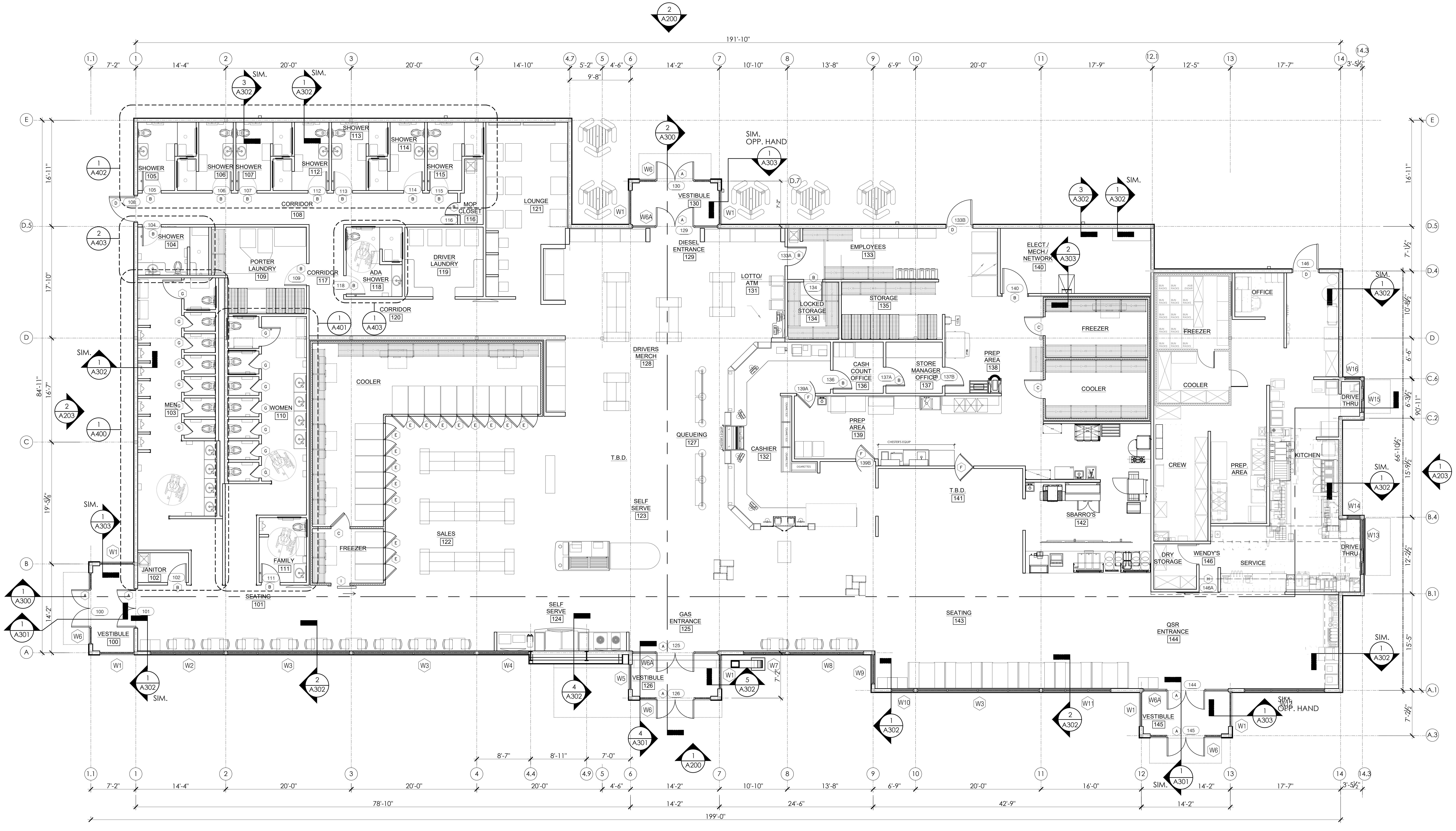
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

ARCHITECTURAL
SITE PLAN

PROJECT NO: 22057

ASP



1 FLOOR PLAN
A100 1/8" = 1'-0"

NOTE:

1. REFER TO CIVIL PLANS DRAWINGS FOR CURBS, SIDEWALKS, PLANTER AREAS, ETC.
2. REFER TO STRUC. DRAWINGS. FOR COLUMNS LOCATION.

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ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

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3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
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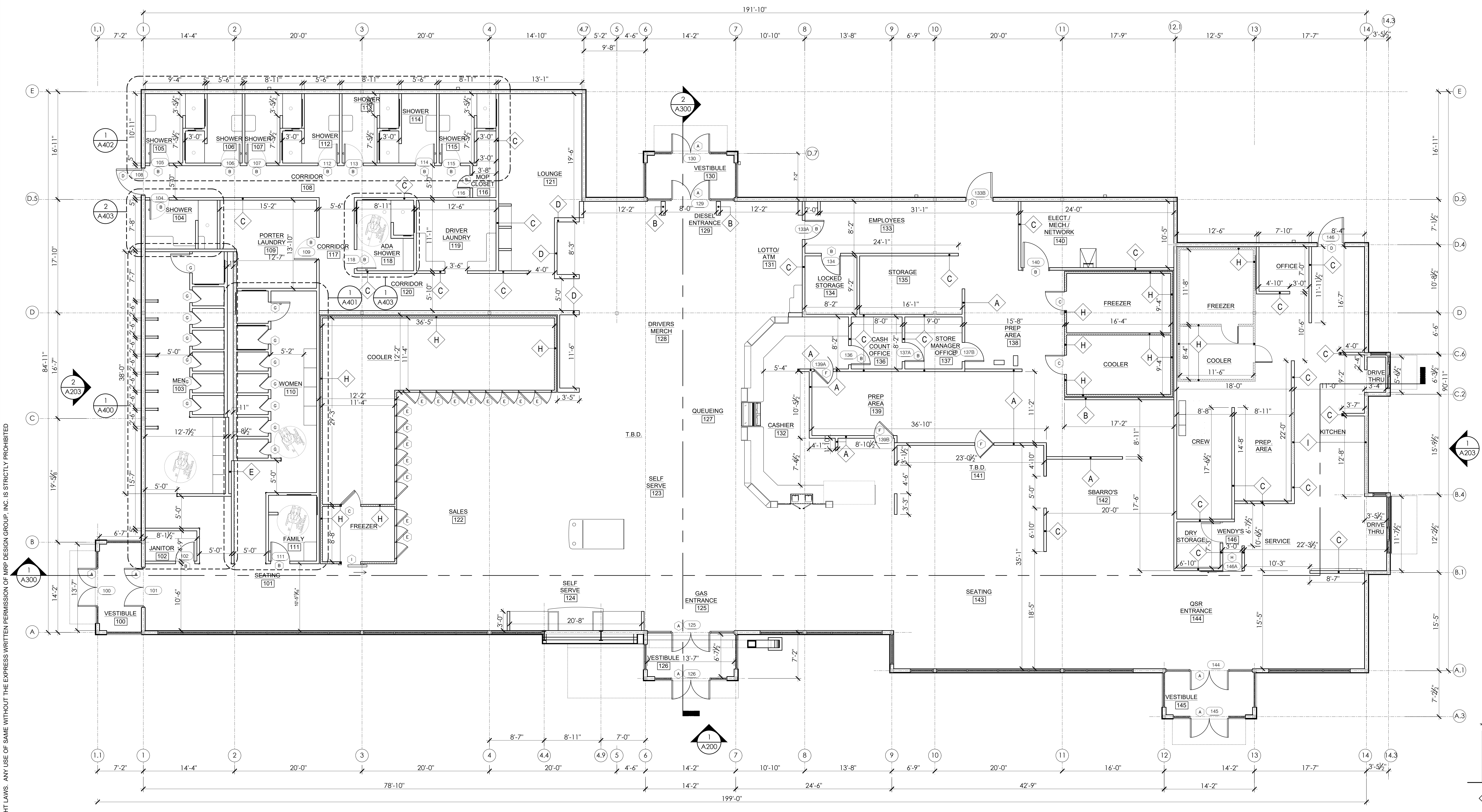
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
FLOOR PLAN

PROJECT NO: 22057

A100

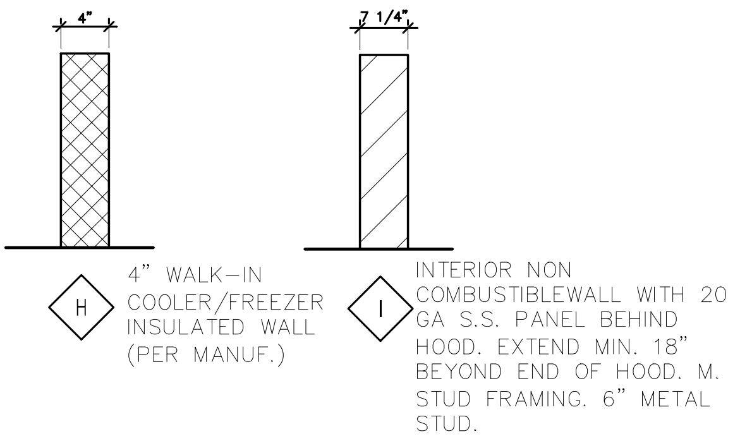


1
A-101
FRAMING FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO BUILD PER ALL APPLICABLE CODES AND REGULATIONS: FEDERAL, STATE, AND LOCAL.
2. ALL SUBCONTRACTORS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL SHALL BE RESPONSIBLE FOR SECURING PERMITS FOR THEIR WORK & TRADE UTILITY. FURTHER DRAWINGS (IF REQUIRED) FOR PERMITS AND UTILITY HOOK- UPS SHALL ALSO BE BY THE SUBCONTRACTOR.
3. ANY DISCREPANCIES WITHIN THESE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR WILL MAKE ASSUMPTIONS AT HIS OWN EXPENSE.
4. THE GENERAL CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS PER NFPA 10 (OR LOCAL AUTHORITY). FIRE EXTINGUISHERS SHALL BE MOUNTED, TOP = 48" AFF.
5. THIS STATEMENT SHALL NOT GOVERN OVER MANUFACTURERS' WARRANTIES. THE GENERAL CONTRACTOR SHALL WARRANTY HIS WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY & ACCEPTANCE OF WORK BY THE OWNER. DEFECTIVE OR INFERIOR MATERIALS OR WORKMANSHIP FOUND AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND ALSO DURING THE WARRANTEE PERIOD MAY BE REJECTED, REGARDLESS OF PREVIOUS INSPECTION. CORRECTIVE MEASURES WHEN REQUIRED SHALL BE EXECUTED AT NO ADDITIONAL COST TO THE OWNER.
6. ALL MATERIALS RELATED TO THIS WORK SHALL BE: SHIPPED, STORED AND INSTALLED PER THE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
7. THE G.C. WILL LEAVE THIS SITE FREE AND CLEAR OF DEBRIS UPON COMPLETION OF THE WORK.
8. WHERE THESE DOCUMENTS INDICATE TRADE OR MANUFACTURER NAMES, THE CONTRACTOR MAY SUBSTITUTE A PRODUCT OR METHOD OF BETTER OR EQUAL QUALITY UPON APPROVAL BY THE OWNER FRANCHISING.
9. UPON COMPLETION OF BUILDING & ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE, PREPARE, ASSEMBLE, AND TRANSMIT TO THE OWNER THE FOLLOWING: MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT, WARRANTIES FOR ALL EQUIPMENT FOR A MINIMUM OF ONE YEAR FROM THE ACCEPTANCE DATE, KEYS WITH SCHEDULE AND DEMONSTRATE THE EQUIPMENT.
10. TERMITE PROTECTION SHALL BE PROVIDED UNDER THE FLOOR SLAB. INSTALLATION AND WARRANTEE SHALL BE PER THE INTERNATIONAL BUILDING CODE.

NOTE:
REFER TO STRUC. DRAWINGS. FOR COLUMNS LOCATION



4" WALK-IN COOLER/FREEZER INSULATED WALL (PER MANUF.)

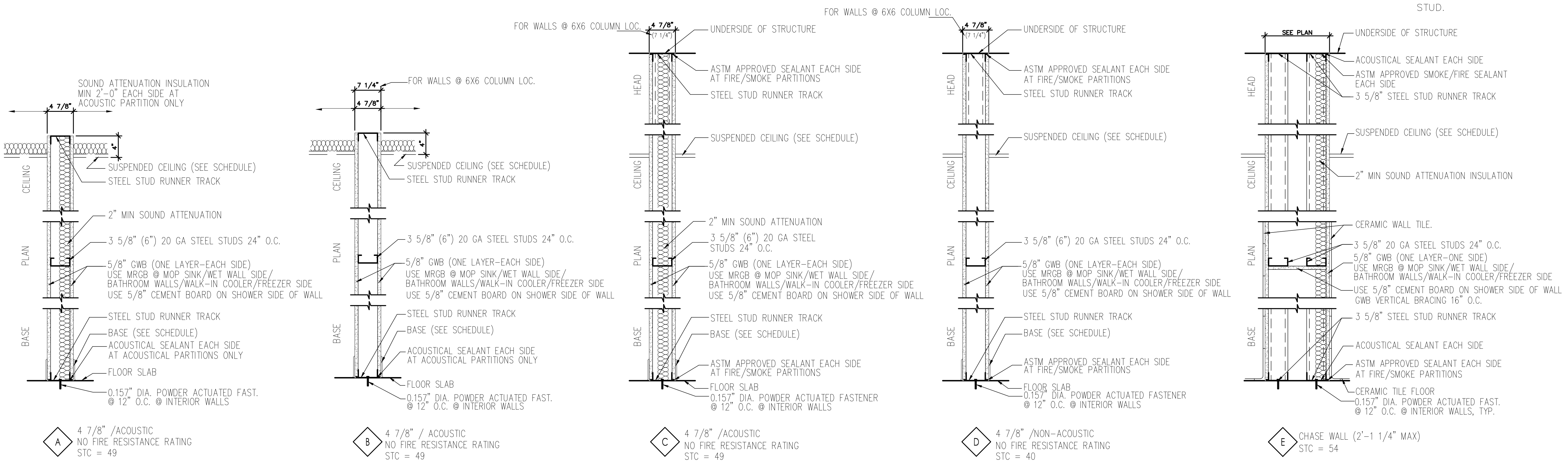
INTERIOR NON COMBUSTIBLEWALL WITH 20 GA S.S. PANEL BEHIND HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. M. STUD FRAMING. 6" METAL STUD.

FRAMING NOTES:

1.	FRAMING PLAN IS FOR REFERENCE ONLY AND NOT TO BE USED FOR CONSTRUCTION. DIMENSIONS SHOWN ARE FOR CRITICAL ELEMENTS THROUGHOUT DESIGN. FINAL DIMENSIONS TO BE CONFIRMED BY ARCHITECT/ENGINEER OR GC.
2.	EXTERIOR WALLS SHOWN ARE 6" MTL. STUD. SHOULD ANY OTHER CONSTRUCTION METHODS BE USED IT BECOMES THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ADJUST THE OVERALL OUTSIDE DIMENSIONS IN ORDER TO MAINTAIN THE INSIDE CLEAR DIMENSIONS AS INDICATED.
3.	INTERIOR WALLS ARE TO BE METAL STUDS WITH 5/8" THICK FIRE RATED GYPSUM BOARD. FOR WALL FINISH SEE INTERIOR SCHEDULE. (DIMENSIONS ON PLAN ARE NOMINAL).
4.	LAYOUT AS DIMENSIONED ONLY, DO NOT SCALE DRAWING.
5.	WALK-IN COOLER FACES ARE TO BE COVERED WITH 1/2" DURO-ROCK OR CONCRETE BOARD. CONFIRM PRIOR TO INSTALLATION.
6.	ALL WALK-IN COOLER/FREEZER REACH-IN DOORS ARE TO BE INSTALLED AT 8" A.F.F.
7.	GASOLINE EQUIPMENT LINES TO BE RUN UNDER FINISHED FLOOR.
8.	BEVERAGE LINES TO FOUNTAIN DRINK DISPENSER TO BE RUN UNDER FINISHED FLOOR. BEVERAGE LINES MAY BE RUN THROUGH WALLS OR ABOVE CEILING (OPTIONAL).
9.	FINAL DOOR HARDWARE TO BE DETERMINED BY OTHERS.

DOOR SCHEDULE:

A	ALUMINUM AND GLASS ENTRY DOOR WITH AUTO CLOSER AND LOCK.
B	HOLLOW METAL STEEL DOOR WITH AUTO CLOSER AND LOCK.
C	3'-0" VAULT DOOR PROVIDED BY COOLER MANUFACTURER.
D	EXTERIOR HOLLOW METAL STEEL DOOR WITH EMERGENCY HARDWARE.
E	30" X 75" WALK-IN COOLER DOORS ARE ANTHONY WITH LED LIGHTING, BLACK FRAMES AND HARDWARE.
F	CAFE STYLE BI-SWING DOORS W/ WINDOW BY ELIASON.
G	SOLID WOOD DOOR WITH HM FRAME, UNDER CUT 12".
H	INTERIOR SLIDING DOOR PLASTIC LAMINATE.
I	3'-0" COOLER SLIDING DOOR BY FRANK DOORS. CONTACT DON ALCALA FOR QUOTE DALCALA@FRANKDOOR.COM 817-471-7595


SOUND ATTENUATION INSULATION MIN 2'-0" EACH SIDE AT ACOUSTIC PARTITION ONLY
4 7/8"
4"
CEILING
PLAN
BASE
HEAD
SUSPENDED CEILING (SEE SCHEDULE)
STEEL STUD RUNNER TRACK
2" MIN SOUND ATTENUATION
3 5/8" (6") 20 GA STEEL STUDS 24" O.C.
5/8" GWB (ONE LAYER-EACH SIDE) USE MRGB @ MOP SINK/WET WALL SIDE/ BATHROOM WALLS/WALK-IN COOLER/FREEZER SIDE USE 5/8" CEMENT BOARD ON SHOWER SIDE OF WALL
BASE (SEE SCHEDULE)
ACOUSTICAL SEALANT EACH SIDE AT ACOUSTICAL PARTITIONS ONLY
FLOOR SLAB
0.157" DIA. POWDER ACTUATED FAST. @ 12" O.C. @ INTERIOR WALLS
7 1/4"
FOR WALLS @ 6X6 COLUMN LOC.
(7 1/4")
UNDERSIDE OF STRUCTURE
ASTM APPROVED SEALANT EACH SIDE AT FIRE/SMOKE PARTITIONS
0.157" DIA. POWDER ACTUATED FASTENER @ 12" O.C. @ INTERIOR WALLS
SEE PLAN
ACOUSTICAL SEALANT EACH SIDE
ASTM APPROVED SMOKE/FIRE SEALANT EACH SIDE
3 5/8" STEEL STUD RUNNER TRACK
2" MIN SOUND ATTENUATION INSULATION
CERAMIC WALL TILE.
3 5/8" 20 GA STEEL STUDS 24" O.C.
5/8" GWB (ONE LAYER-ONE SIDE) USE MRGB @ MOP SINK/WET WALL SIDE/ BATHROOM WALLS/WALK-IN COOLER/FREEZER SIDE USE 5/8" CEMENT BOARD ON SHOWER SIDE OF WALL GWB VERTICAL BRACING 16" O.C.
CERAMIC TILE FLOOR
0.157" DIA. POWDER ACTUATED FAST. @ 12" O.C. @ INTERIOR WALLS, TYP.

A 4 7/8" /ACOUSTIC
NO FIRE RESISTANCE RATING
STC = 49

B 4 7/8" / ACOUSTIC
NO FIRE RESISTANCE RATING
STC = 49

C 4 7/8" /ACOUSTIC
NO FIRE RESISTANCE RATING
STC = 49

D 4 7/8" /NON-ACOUSTIC
NO FIRE RESISTANCE RATING
STC = 40

E CHASE WALL (2'-1 1/4" MAX)
STC = 54

2
A-101
WALL TYPES
3/4" = 1'-0"

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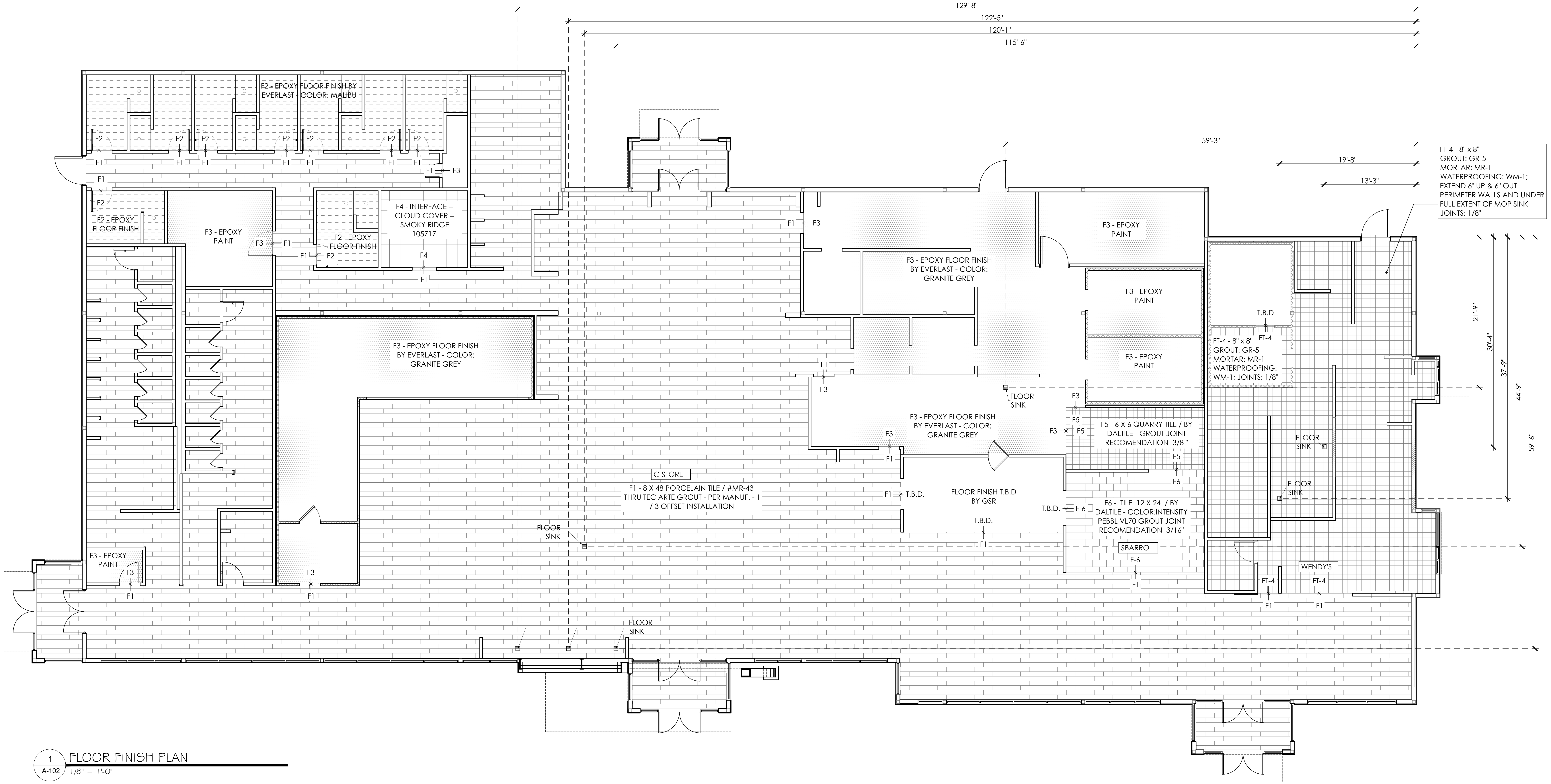
PROJECT NO: 22057

A101


129'-8"
122'-5"
120'-1"
115'-6"
59'-3"
19'-8"
13'-3"
21'-9"
30'-4"
37'-9"
44'-9"
59'-6"
F2 - EPOXY FLOOR FINISH BY EVERLAST - COLOR: MALIBU
F2
F1
F1 F3
F2 - EPOXY FLOOR FINISH
F3 - EPOXY PAINT
F3 F1
F2 - EPOXY FLOOR FINISH
F1 F2
F4 - INTERFACE - CLOUD COVER - SMOKY RIDGE 105717
F4
F3 - EPOXY FLOOR FINISH BY EVERLAST - COLOR: GRANITE GREY
C-STORE
F1 - 8 X 48 PORCELAIN TILE / #MR-43 THRU TEC ARTE GROUT - PER MANUF. - 1 / 3 OFFSET INSTALLATION
FLOOR SINK
F3 - EPOXY PAINT
F3 - EPOXY FLOOR FINISH BY EVERLAST - COLOR: GRANITE GREY
F3 - EPOXY PAINT
F3 - EPOXY PAINT
F3 - EPOXY PAINT
T.B.D
FT-4
FT-4 - 8" x 8" GROUT: GR-5 MORTAR: MR-1 WATERPROOFING: WM-1; JOINTS: 1/8"
FT-4 - 8" x 8" GROUT: GR-5 MORTAR: MR-1 WATERPROOFING: WM-1; EXTEND 6" UP & 6" OUT PERIMETER WALLS AND UNDER FULL EXTENT OF MOP SINK JOINTS: 1/8"
F3 - EPOXY FLOOR FINISH BY EVERLAST - COLOR: GRANITE GREY
F5 - 6 X 6 QUARRY TILE / BY DALTILE - GROUT JOINT RECOMENDATION 3/8"
F5
F6
FLOOR FINISH T.B.D BY QSR
T.B.D.
F1 T.B.D.
T.B.D. F-6
F6 - TILE 12 X 24 / BY DALTILE - COLOR:INTENSITY PEBBL VL70 GROUT JOINT RECOMENDATION 3/16"
SBARRO
F-6
WENDY'S
FT-4
F1

1 FLOOR FINISH PLAN
A-102 1/8" = 1'-0"

C-STORE. FLOOR FINISH SCHEDULE

T-CODES = TILES USED ON FLOORS. WALL TILES MAY BE FOUND ON INTERIOR ELEVATIONS

MAIN TILE FIELD A –	
▤	F1 – 8 X 48 PORCELAIN TILE / #MR-43 THRU TEC ARTE GROUT – PER MANUF. – 1 / 3 OFFSET INSTALLATION
▤	F2 – EPOXY FLOOR FINISH BY EVERLAST – COLOR: MALIBU
▨	F3 – EPOXY FLOOR FINISH BY EVERLAST – COLOR: GRANITE GREY
▦	F4 – INTERFACE – CLOUD COVER – SMOKY RIDGE 105717

GC NOTE: TILE TO RUN CONTINUOUS UNDER CABINETS.

TCNA EJ171 - TILE MOVEMENT JOINTS

INTERIOR	MAXIMUM 25'–0" EACH DIRECTION
EXTERIOR	8'–0" TO 12'–0" EACH DIRECTION
INTERIOR TILE WORK EXPOSED TO DIRECT SUNLIGHT OR MOISTURE	MAXIMUM 12'–0" EACH DIRECTION
ABOVE–GROUND CONCRETE SLAB SUBSTRATE	MAXIMUM 12'–0" EACH DIRECTION

SBARRO. FLOOR FINISH SCHEDULE

T-CODES = TILES USED ON FLOORS. WALL TILES MAY BE FOUND ON INTERIOR ELEVATIONS

MAIN TILE FIELD A –	
▦	F5 – 6 X 6 QUARRY TILE / BY DALTILE – GROUT JOINT RECOMENDATION 3/8 "
▤	F6 – TILE 12 X 24 / BY DALTILE – COLOR: INTENSITY PEBBL VL70 GROUT JOINT RECOMENDATION 3/16"

GC NOTE: TILE TO RUN CONTINUOUS UNDER CABINETS.

WENDY'S. FLOOR FINISH SCHEDULE

T-CODES = TILES USED ON FLOORS. WALL TILES MAY BE FOUND ON INTERIOR ELEVATIONS

MAIN TILE FIELD A –	
▦	FT–4 – 8" x 8" / GROUT: GR–5 / MORTAR: MR–1 /WATERPROOFING: WM–1; EXTEND 6" UP & 6" OUT PERIMETER WALLS AND UNDER FULL EXTENT OF MOP SINK / JOINTS: 1/8"

GC NOTE: TILE TO RUN CONTINUOUS UNDER CABINETS.

PLUMBING NOTES:

1. PLUMBING CONTRACTOR TO PROVIDE ALL PIPING, VALVES, AND FITTINGS FOR HOT AND COLD WATER SUPPLY LINES, DRAINS, RESTROOM FIXTURES, AND HOT WATER HEATER.
2. PROVIDE FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT, AND RUN ALL CONDENSATE DRAIN LINES TO FLOOR DRAIN.
3. RECESS FLOOR DRAINS AND SLOPE FLOOR TO DRAINS.
4. BEVERAGE LINES TO FOUNTAIN DRINK DISPENSER TO BE RUN UNDER FINISHED FLOOR IN PVC CHASE. BEVERAGE LINES MAY BE RUN ABOVE CEILING OR THROUGH WALLS (OPTIONAL).
5. ALL PLUMBING MATERIALS AND INSTALLATIONS TO COMPLY WITH LOCAL, STATE, AND NATIONAL PLUMBING CODES. HEALTH DEPARTMENT REGULATIONS AND ETHICAL CONSTRUCTION PROCEDURES.
6. PROVIDE GREASE TRAPS FOR SINKS WHERE REQUIRED BY CITY OR STATE CODE.
7. SUPPLY WATER FILTRATION SYSTEM FOR ALL BEVERAGE EQUIPMENT THROUGHOUT STORE.
8. PROVIDE AUTOMATIC FLUSH DEVICES AND HAND DRYERS IN ALL RESTROOMS.
9. DIMENSIONS SHOWN FOR REFERENCE ONLY. PARAGON SOLUTIONS IS NOT RESPONSIBLE FOR FINAL LOCATIONS OF PLUMBING FIXTURES. FIELD VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION.

NOTE:

1. REFER TO SHEET A-120 / A-120A FOR FINISH SCHEDULE.
2. REFER TO PLUMB. DRAWINGS FOR DRAIN SPECS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:55 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

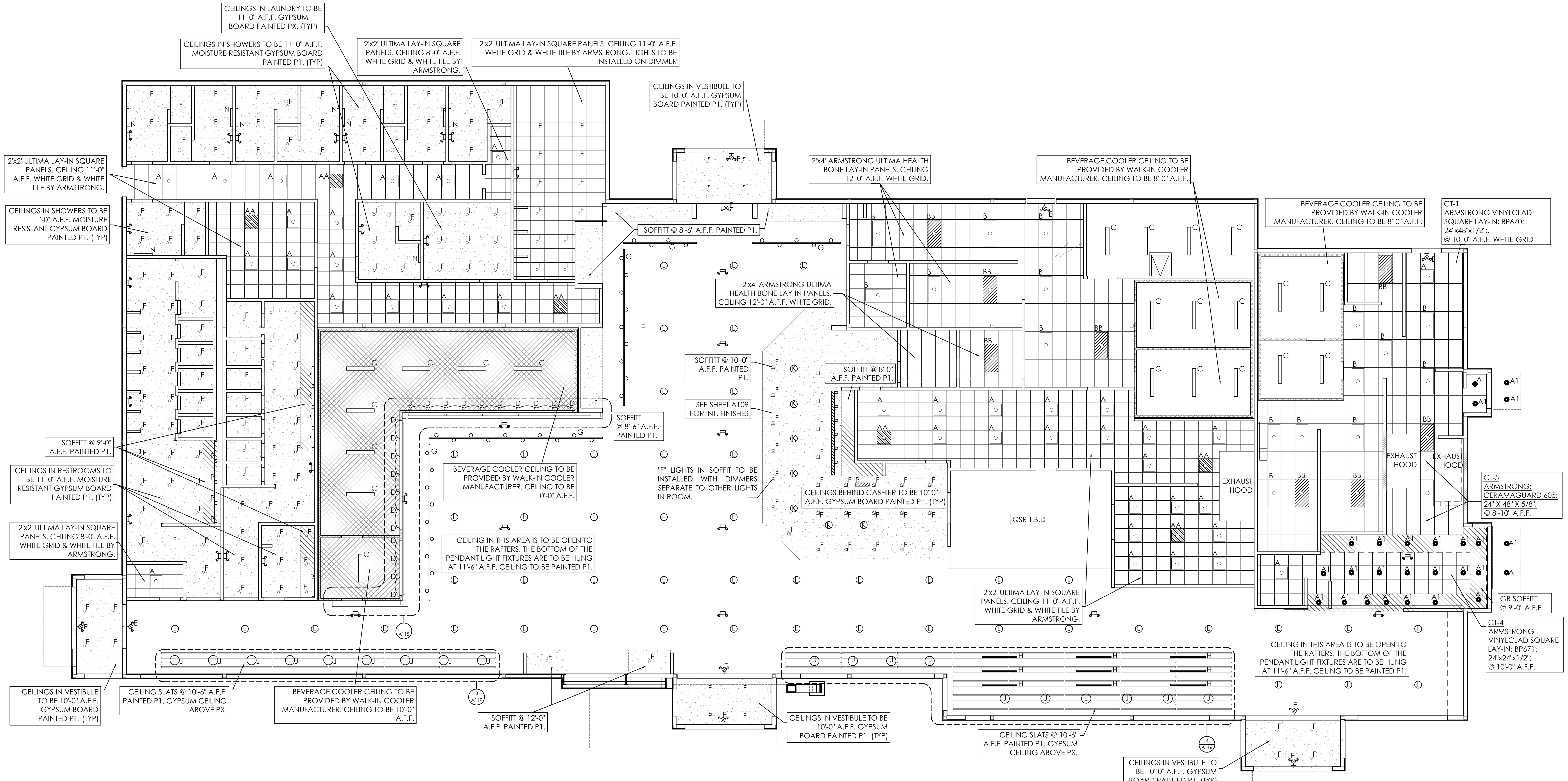
PROJECT TITLE:

TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
FLOOR FINISH PLAN

PROJECT NO: 22057

A102


CEILINGS IN LAUNDRY TO BE 11'-0" A.F.F. GYPSUM BOARD PAINTED PX. (TYP)
CEILINGS IN SHOWERS TO BE 11'-0" A.F.F. MOISTURE RESISTANT GYPSUM BOARD PAINTED P1. (TYP)
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 8'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG.
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 11'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG. LIGHTS TO BE INSTALLED ON DIMMER
CEILINGS IN VESTIBULE TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 11'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG.
CEILINGS IN SHOWERS TO BE 11'-0" A.F.F. MOISTURE RESISTANT GYPSUM BOARD PAINTED P1. (TYP)
SOFFITT @ 8'-6" A.F.F. PAINTED P1.
2'x4' ARMSTRONG ULTIMA HEALTH BONE LAY-IN PANELS. CEILING 12'-0" A.F.F. WHITE GRID.
BEVERAGE COOLER CEILING TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER. CEILING TO BE 8'-0" A.F.F.
BEVERAGE COOLER CEILING TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER. CEILING TO BE 8'-0" A.F.F.
CT-1
ARMSTRONG VINYLCLAD SQUARE LAY-IN; BP670: 24"x48"x1/2"; @ 10'-0" A.F.F. WHITE GRID
2'x4' ARMSTRONG ULTIMA HEALTH BONE LAY-IN PANELS. CEILING 12'-0" A.F.F. WHITE GRID.
SOFFITT @ 10'-0" A.F.F. PAINTED P1.
SOFFITT @ 8'-0" A.F.F. PAINTED P1.
SEE SHEET A109 FOR INT. FINISHES
SOFFITT @ 8'-6" A.F.F. PAINTED P1.
SOFFITT @ 9'-0" A.F.F. PAINTED P1.
CEILINGS IN RESTROOMS TO BE 11'-0" A.F.F. MOISTURE RESISTANT GYPSUM BOARD PAINTED P1. (TYP)
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 8'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG.
BEVERAGE COOLER CEILING TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER. CEILING TO BE 10'-0" A.F.F.
"F" LIGHTS IN SOFFIT TO BE INSTALLED WITH DIMMERS SEPARATE TO OTHER LIGHTS IN ROOM.
CEILINGS BEHIND CASHIER TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)
QSR T.B.D
EXHAUST HOOD
EXHAUST HOOD
EXHAUST HOOD
CT-5
ARMSTRONG; CERAMAGUARD 605: 24" X 48" X 5/8"; @ 8'-10" A.F.F.
CEILING IN THIS AREA IS TO BE OPEN TO THE RAFTERS. THE BOTTOM OF THE PENDANT LIGHT FIXTURES ARE TO BE HUNG AT 11'-6" A.F.F. CEILING TO BE PAINTED P1.
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 11'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG.
GB SOFFITT @ 9'-0" A.F.F.
CT-4
ARMSTRONG VINYLCLAD SQUARE LAY-IN; BP671: 24"x24"x1/2"; @ 10'-0" A.F.F.
CEILING IN THIS AREA IS TO BE OPEN TO THE RAFTERS. THE BOTTOM OF THE PENDANT LIGHT FIXTURES ARE TO BE HUNG AT 11'-6" A.F.F. CEILING TO BE PAINTED P1.
1 A118
3 A117
4 A116
CEILINGS IN VESTIBULE TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)
CEILING SLATS @ 10'-6" A.F.F. PAINTED P1. GYPSUM CEILING ABOVE PX.
BEVERAGE COOLER CEILING TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER. CEILING TO BE 10'-0" A.F.F.
SOFFITT @ 12'-0" A.F.F. PAINTED P1.
CEILINGS IN VESTIBULE TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)
CEILING SLATS @ 10'-6" A.F.F. PAINTED P1. GYPSUM CEILING ABOVE PX.
CEILINGS IN VESTIBULE TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)

1 / A-103 REFLECTED CEILING PLAN
1/8" = 1'-0"

RCP GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO BUILD PER ALL APPLICABLE CODES AND REGULATIONS.
2. REFER TO ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL DIMENSIONS.
3. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SPECIFICATIONS, DUCTWORK, DUCT PENETRATIONS, EXHAUST FAN REQUIREMENTS, LOCATION OF FIRE RATED DUCT SHAFT AND BOTTOM OF HOOD ELEVATION.
4. HOODS ARE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
5. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS.
6. ALL DIMENSIONS ARE REFERENCED TO FACE OF STUD U.N.O.
7. ALL HEIGHT REFERENCES ARE TAKEN FROM DATUM-T.O.S. FOR AREA INDICATED.
8. PROVIDE WALL BACKING FOR REINFORCEMENT AS REQUIRED.
9. PROVIDE SOLID BLOCKING FOR ALL 'J' BOXES SUSPENDED LIGHT AND CEILING FAN FIXTURES (IF OCCUR), TELEVISION SUPPORT (IF OCCURS) AND ANY OTHER CEILING MOUNTED EQUIPMENT.
10. ALL ACOUSTIC TILE JOINT LINES TO BE ALIGNED & COORDINATED FOR FIXTURE PLACEMENT, AVOIDING LESS THAN 1/2 OF A TILE AROUND THE PERIMETER WHEREVER POSSIBLE.
11. PROVIDE LATERAL BRACING FOR SUSPENDED CEILINGS.
12. PROVIDE WALL BRACING CONNECTIONS TO ROOF STRUCTURE.
13. PROVIDE SOFFIT CONNECTIONS TO ROOF STRUCTURE AND LATERAL BRACING.
14. ALL LIGHT FIXTURE TRIM RINGS, EXPOSED CONDUITS, 'J' BOXES, HVAC GRILLS, EMERGENCY LIGHT FIXTURES, DUPLEX OUTLETS AND FACE PLATES SHALL BE PAINTED TO MATCH THE ADJACENT FINISH U.N.O.
15. ALL LIGHT FIXTURES AND LIGHT BULBS ARE OWNER FURNISHED AND INSTALLED BY G.C.
16. USE USG DRYWALL SUSPENSION FLAT SYSTEM (OR EQUAL) FOR SUSPENDED AREAS OF GYP. BD. (TYP).
17. "E" FIXTURE SUFFIX DENOTES EMERGENCY FIXTURES. REFER TO ELECTRICAL DRAWINGS.

NOTE:

1. REFER TO SHEET A-120 / A-120A FOR FINISH SCHEDULE.
2. REFER TO ELECT. DRAWINGS FOR SPECS.

CEILING FINISH LEGEND:

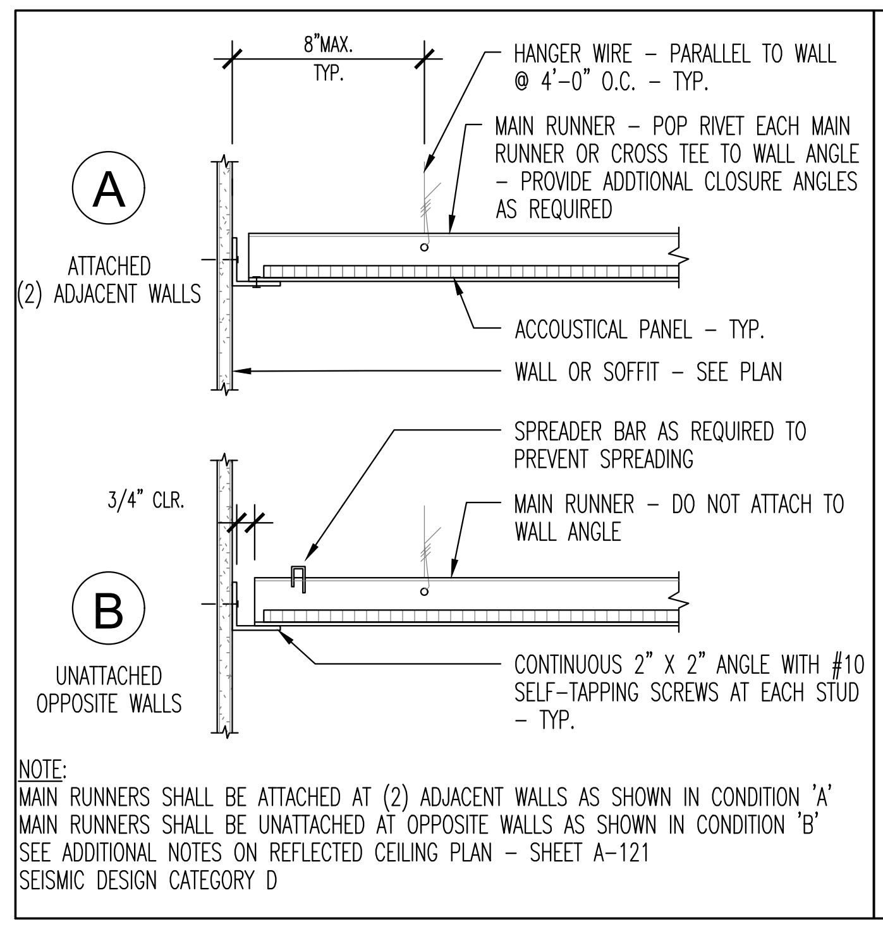
☐	CEILING TO BE OPEN TO RAFTERS
░	CEILING TO BE A GYPSUM BOARD SOFFIT OR DROP CEILING. REFERENCE PLANS FOR HEIGHTS AND FINISHES OF SOFFIT OR DROP CEILING.
▨	WALK-IN COOLER & FREEZER CEILING PANELS TO BE PROVIDED BY WALK-IN COOLER MANUFACTURE. REFERENCE PLANS FOR HEIGHTS.
▭	LAY-IN GRID CEILING WITH WHITE FISSURED LAY-IN PANELS. REFERENCE PLANS FOR SIZES, HEIGHTS, AND ORIENTATION. HEALTH DEPARTMENT APPROVED LAY-IN PANELS WHERE REQUIRED PER CODE.

LIGHTING NOTES:

1.	LIGHTING SHOWN FOR VISUAL CONCEPTS ONLY. FINAL DESIGN AND LIGHTING FIXTURES TO BE COORDINATED BETWEEN OWNER AND ARCHITECT OR LIGHTING SUPPLIER. ALL LIGHTS TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS NOTED OTHERWISE. INSTALLATION TO COMPLY WITH APPLICABLE FEDERAL AND LOCAL CODES: FIRE SAFETY, ENERGY, AND ENVIRONMENTAL.
2.	HVAC BY LOCAL CONTRACTOR TO BE COORDINATED WITH THIS PLAN.
3.	ALL EXPOSED TRUSSES TO BE PAINTED PER INTERIOR DESIGN DOCUMENTS. EXPOSED HVAC DUCTS FINISH TO BE COORDINATED WITH INTERIOR DESIGN GROUP.
4.	REFERENCE INTERIORS FOR HEIGHTS OF HEADERS, SOFFITS, AND FURR-DOWNS.
5.	REFERENCE INTERIORS FOR FINISH KEY.
6.	REFER TO INTERIOR ELEVATIONS TO VERIFY LIGHTING PLACEMENT DOES NOT INTERFERE WITH INTERIOR GRAPHICS.

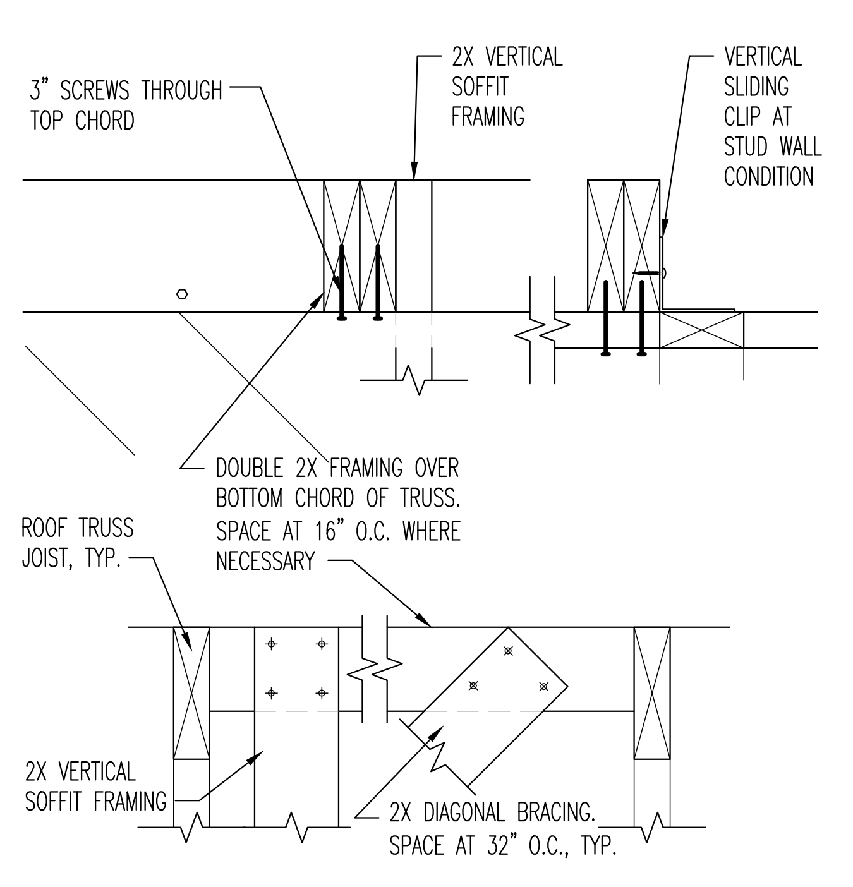
INTERIOR LIGHTING SYMBOL LEGEND:

A.	2'x2' FLAT LED PANEL BY MAXLITE. MLFP-22-G4-26-CS-CR
AA.	2'x2' FLAT LED PANEL WITH BATTERY BACKUP BY MAXLITE. MLFP-22-G4-26-CS-CR-EM
A1.	LED-DOWNLIGHT 3000K DIRECT CONNECT LED WHITE BY MAXLITE.
B.	2'x4' FLAT LED PANEL BY MAXLITE. MLFP-24-G4-26-CS-CR
BB.	2'x4' FLAT LED PANEL WITH BATTERY BACKUP BY MAXLITE. MLFP-24-G4-26-CS-CR-EM
C.	LED ENCLOSED & GASKETED CEILING MOUNT FIXTURE BY LSI. EG3-4-LED-04L-DA-S-50-80
D.	SINGLE TUBE LED STRIP LIGHT MOUNTED ON EACH SIDE OF EACH DOOR. STRIP LIGHT SUPPLIED WITH COOLER AND TO BE CONNECTED BY GENERAL CONTRACTOR.
E.	EXIT AND EMERGENCY LIGHTING TO BE INSTALLED PER LOCAL CODES. PHILLIPS CHLORIDE. #CLC-N-RB
F.	4" RECESSED LED DOWNLIGHT BY METEOR. #RS4N-40-408-120-STV-35-WHT
G.	HALO L815 STASIS MEDIUM TRACK LIGHTING BY COOPER LIGHTING SOLUTIONS. #L815MED30WF935SL.
H.	2" SUSPENDED LINEAR LIGHTING SYSTEM BY LSI. #2RSS-5-03L-LF-50
J.	PENDANT LIGHT BY TROY RLM'S – TROY RLM DOME 16" WIDE RED PENDANT LIGHT W/ GLOSS WHITE LENS STYLE #85N26
K.	EVERLY VASE MINI PENDANT BY LIGHTOLOGY. CLEAR BLACK FINISH #KHR902553
L.	PENDANT LIGHT BY METEOR. VELA6. VA6-75-408-UNV-STV-PCS19-WHT-AD10
M.	BEER CAVE LIGHT BY LSI. SCOTTSDALE VERTEX SCV. LSI # SCV-LED-13L-SC-UNV-DIM-40-WHT
N.	WALL SCONCE LIGHT BY LAMPS PLUS. POSSINI EURO ELOE CHROME 31-1/4" WIDE LINEAR LED BATH LIGHT.
P.	24" LED MICRO WALL WASH FROM LSI. MWW-2-LED-HO-NW-WHT-WHT-UE (INSTALL LIGHT ON DIMMER INDEPENDENTLY ON EACH GRAPHIC.VERIFY MOUNTING LOCATION OF WALL WASHER LIGHT IN GRID. LIGHT TO SHINE CENTERED ON WALL GRAPHIC.
$	SWITCH
$L	LIGHTED SWITCH
$M	MOTION SENSOR SWITCH

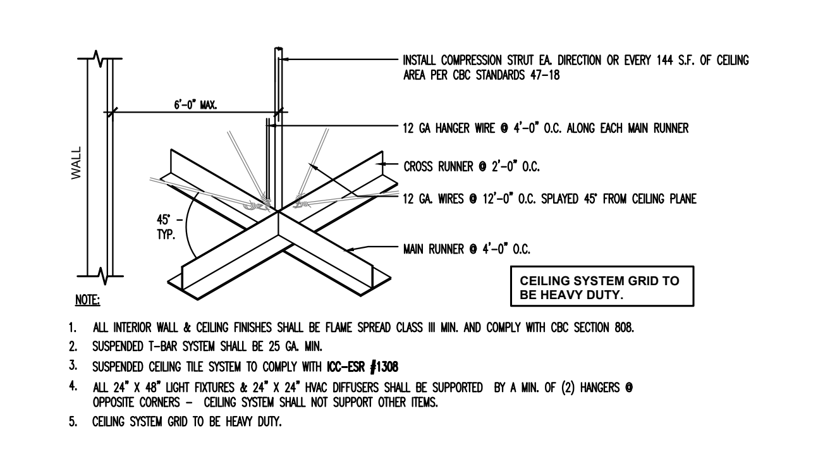

8"MAX. TYP.
HANGER WIRE – PARALLEL TO WALL @ 4'-0" O.C. – TYP.
MAIN RUNNER – POP RIVET EACH MAIN RUNNER OR CROSS TEE TO WALL ANGLE – PROVIDE ADDTIONAL CLOSURE ANGLES AS REQUIRED
A
ATTACHED (2) ADJACENT WALLS
ACCOUSTICAL PANEL – TYP.
WALL OR SOFFIT – SEE PLAN
SPREADER BAR AS REQUIRED TO PREVENT SPREADING
3/4" CLR.
MAIN RUNNER – DO NOT ATTACH TO WALL ANGLE
B
UNATTACHED OPPOSITE WALLS
CONTINUOUS 2" X 2" ANGLE WITH #10 SELF-TAPPING SCREWS AT EACH STUD – TYP.

NOTE:
MAIN RUNNERS SHALL BE ATTACHED AT (2) ADJACENT WALLS AS SHOWN IN CONDITION 'A'
MAIN RUNNERS SHALL BE UNATTACHED AT OPPOSITE WALLS AS SHOWN IN CONDITION 'B'
SEE ADDITIONAL NOTES ON REFLECTED CEILING PLAN – SHEET A-121
SEISMIC DESIGN CATEGORY D

SUSPENDED CEILING AT WALL


3" SCREWS THROUGH TOP CHORD
2X VERTICAL SOFFIT FRAMING
VERTICAL SLIDING CLIP AT STUD WALL CONDITION
DOUBLE 2X FRAMING OVER BOTTOM CHORD OF TRUSS. SPACE AT 16" O.C. WHERE NECESSARY
ROOF TRUSS JOIST, TYP.
2X VERTICAL SOFFIT FRAMING
2X DIAGONAL BRACING. SPACE AT 32" O.C., TYP.

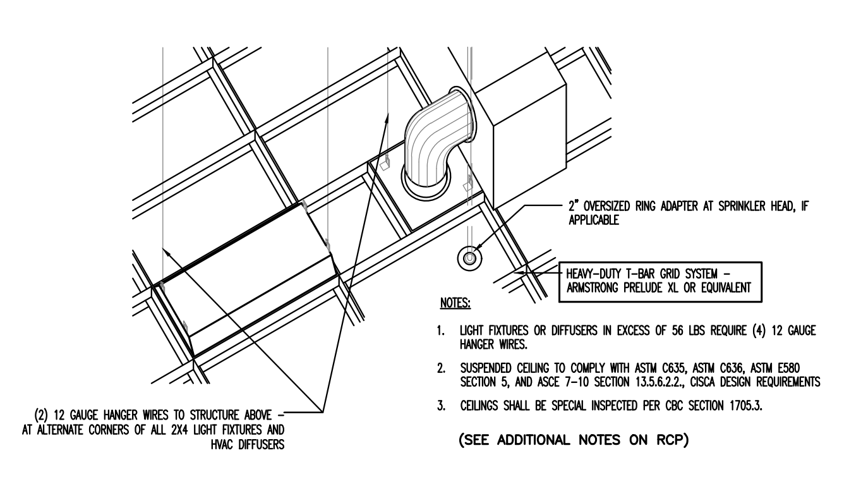
TYP. SOFFIT FRAMING & BRACING TO TRUSS


INSTALL COMPRESSION STRUT EA. DIRECTION OR EVERY 144 S.F. OF CEILING AREA PER CBC STANDARDS 47-18
6'-0" MAX.
WALL
12 GA HANGER WIRE @ 4'-0" O.C. ALONG EACH MAIN RUNNER
CROSS RUNNER @ 2'-0" O.C.
12 GA. WIRES @ 12'-0" O.C. SPLAYED 45° FROM CEILING PLANE
45° – TYP.
MAIN RUNNER @ 4'-0" O.C.
CEILING SYSTEM GRID TO BE HEAVY DUTY.

NOTE:

1. ALL INTERIOR WALL & CEILING FINISHES SHALL BE FLAME SPREAD CLASS III MIN. AND COMPLY WITH CBC SECTION 808.
2. SUSPENDED T-BAR SYSTEM SHALL BE 25 GA. MIN.
3. SUSPENDED CEILING TILE SYSTEM TO COMPLY WITH **ICC-ESR #1308**
4. ALL 24" X 48" LIGHT FIXTURES & 24" X 24" HVAC DIFFUSERS SHALL BE SUPPORTED BY A MIN. OF (2) HANGERS @ OPPOSITE CORNERS – CEILING SYSTEM SHALL NOT SUPPORT OTHER ITEMS.
5. CEILING SYSTEM GRID TO BE HEAVY DUTY.

SUSPENDED CEILING DETAIL


2" OVERSIZED RING ADAPTER AT SPRINKLER HEAD, IF APPLICABLE
HEAVY-DUTY T-BAR GRID SYSTEM – ARMSTRONG PRELUDE XL OR EQUIVALENT
(2) 12 GAUGE HANGER WIRES TO STRUCTURE ABOVE – AT ALTERNATE CORNERS OF ALL 2X4 LIGHT FIXTURES AND HVAC DIFFUSERS

NOTES:

1. LIGHT FIXTURES OR DIFFUSERS IN EXCESS OF 56 LBS REQUIRE (4) 12 GAUGE HANGER WIRES.
2. SUSPENDED CEILING TO COMPLY WITH ASTM C635, ASTM C636, ASTM E580 SECTION 5, AND ASCE 7-10 SECTION 13.5.6.2.2., CISCA DESIGN REQUIREMENTS
3. CEILINGS SHALL BE SPECIAL INSPECTED PER CBC SECTION 1705.3.

(SEE ADDITIONAL NOTES ON RCP)

FIXTURE BRACING

2 / A-103 DETAILS (TYP.)
1 1/2" = 1'-0"

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:
THOMAS E. MORGAN, JR.
NO. 005323

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GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:55 PM
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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ISSUES / REVISIONS:

DATE	DESCRIPTION
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DRAWN BY:
CHK'D BY:

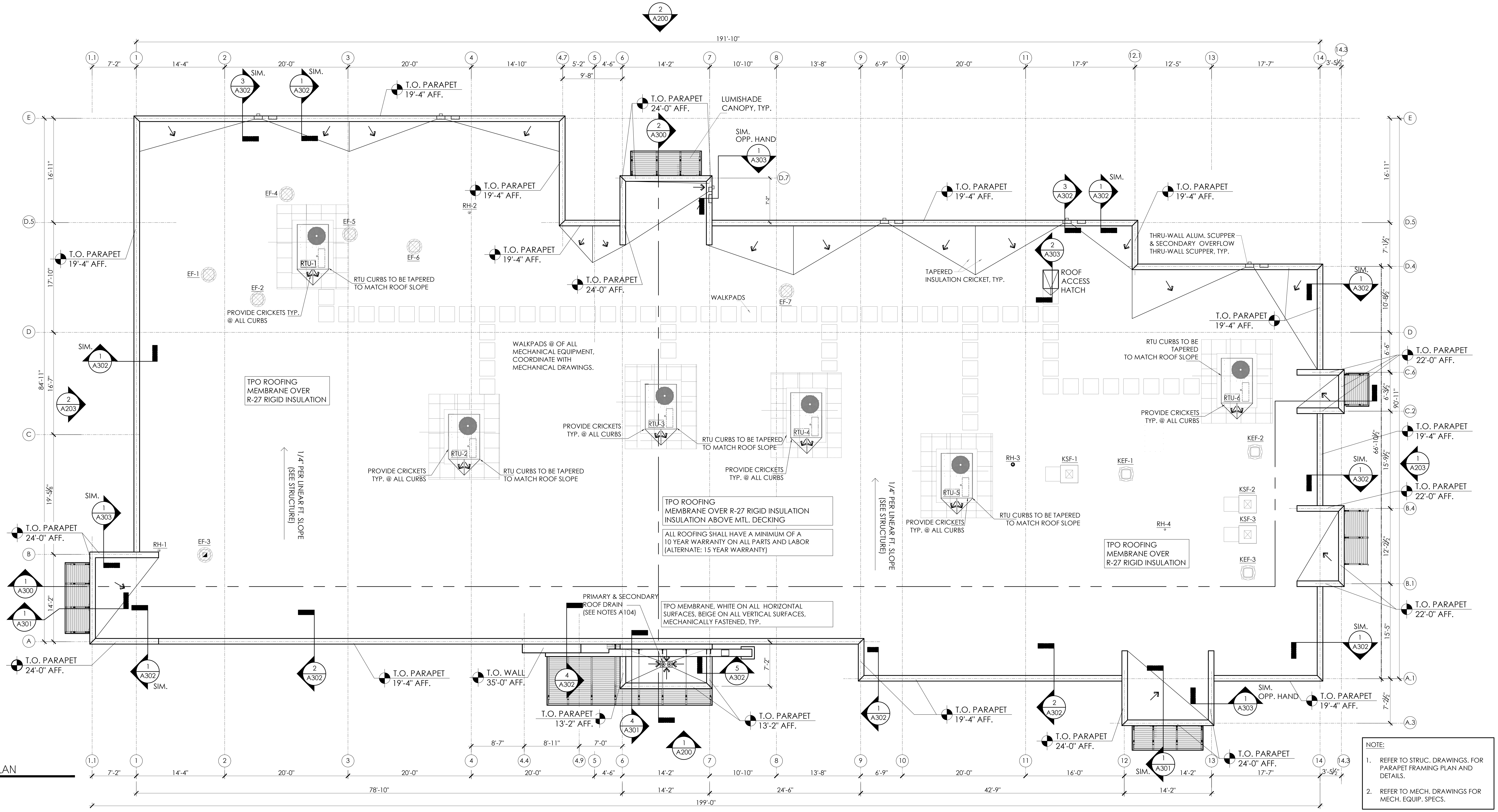
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
REFLECTED CLG. PLAN
TYP. DETAILS

PROJECT NO: 22057

A103


2 A200
191'-10"
T.O. PARAPET 19'-4" AFF.
T.O. PARAPET 24'-0" AFF.
T.O. PARAPET 22'-0" AFF.
T.O. PARAPET 13'-2" AFF.
T.O. WALL 35'-0" AFF.
LUMISHADE CANOPY, TYP.
SIM. OPP. HAND
EF-1
EF-2
EF-3
EF-4
EF-5
EF-6
EF-7
RH-1
RH-2
RH-3
RH-4
RTU-1
RTU-2
RTU-3
RTU-4
RTU-5
RTU-6
KSF-1
KSF-2
KSF-3
KEF-1
KEF-2
KEF-3
RTU CURBS TO BE TAPERED TO MATCH ROOF SLOPE
PROVIDE CRICKETS TYP. @ ALL CURBS
WALKPADS
WALKPADS @ OF ALL MECHANICAL EQUIPMENT, COORDINATE WITH MECHANICAL DRAWINGS.
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION ABOVE MTL. DECKING
ALL ROOFING SHALL HAVE A MINIMUM OF A 10 YEAR WARRANTY ON ALL PARTS AND LABOR (ALTERNATE: 15 YEAR WARRANTY)
TPO MEMBRANE, WHITE ON ALL HORIZONTAL SURFACES, BEIGE ON ALL VERTICAL SURFACES, MECHANICALLY FASTENED, TYP.
1/4" PER LINEAR FT. SLOPE (SEE STRUCTURE)
TAPERED INSULATION CRICKET, TYP.
ROOF ACCESS HATCH
THRU-WALL ALUM. SCUPPER & SECONDARY OVERFLOW THRU-WALL SCUPPER, TYP.
PRIMARY & SECONDARY ROOF DRAIN (SEE NOTES A104)
78'-10"
14'-2"
24'-6"
42'-9"
199'-0"

NOTE:

1. REFER TO STRUC. DRAWINGS. FOR PARAPET FRAMING PLAN AND DETAILS.
2. REFER TO MECH. DRAWINGS FOR MECH. EQUIP. SPECS.

1 A104 ROOF PLAN

1/8" = 1'-0"

GENERAL ROOF PLAN NOTES:

1. SEE MECHANICAL/PLUMBING DRAWINGS FOR ADDITIONAL NOTES & DETAILS.

2. VERIFY LOCATIONS OF ALL ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL & PLUMBING DRAWINGS.

3. ALL VENT LOCATIONS SHOULD BE VERIFIED WITH PLUMBING AND MECHANICAL DRAWINGS.

4. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY, COORDINATE AND/OR INSTALL ALL ADJACENT AND/OR RELATED FLASHING, BLOCKING, NAILERS, INSULATION STOPS, CRICKETS, ETC. NECESSARY FOR THE COMPLETE INSTALLATION OF THE ROOF MEMBRANE WHICH ARE REQUIRED FOR A COMPLETE, WARRANTED, WATERTIGHT, WATER-PROOF INSULATION.

5. LOCATION OF ROOF ACCESSORIES & MATERIALS ARE SCHEMATIC IN NATURE. EXACT LOCATIONS SHALL BE DETERMINED BY INFORMATION ELSEWHERE ON THE DRAWINGS.

6. OMISSION OF ANY ACCESSORY FROM THE ROOF PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR SUCH ITEMS.

7. ALL SPECIFIED MATERIALS MUST BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND THE MANUFACTURER'S REQUIREMENTS SHOULD BE IDENTIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION AND DURING THE BID PHASE TO AVOID CHANGE ORDERS.

8. EXTRA LAYERS OF MEMBRANE ROOFING OR AS REQ' FOR GREASE (5'-0" RADIUS MIN)

9. VERIFY NUMBER OF ROOF SCUPPERS REQUIRED (NO LESS THAN SHOWN) AND COORDINATE WITH PLUMBING PLANS.

10. PAINT ANY PIPING IF REQUIRED BY CODE, INCLUDING GAS PIPING.

11. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS.

12. PARAPET WALLS ON UP TO BE TPO MEMBRANE ADHERED. TERMINATE AT TOP WITH BERRIDGE METAL CAP. VERIFY COLOR WITH EXTERIOR ELEVATION FINISH SCHEDULE.

MEMBRANE ROOFING NOTES:

SCOPE: INSTALLER MUST BE CERTIFIED.

1. INSTALL INSULATION ACCORDING TO ROOF MEMBRANE MANUFACTURER'S SPECIFICATIONS.

2. CONTRACTOR SHALL FURNISH AND INSTALL A **WHITE 50 MIL** SINGLE-PLY MEMBRANE ROOFING SYSTEM THAT IS FABRICATED OF A TPO INSERTED LOW-SHRINK, ANTI-WICKING POLYESTER FABRIC AND HAS A THERMOPLASTIC MATERIAL LAMINATED TO BOTH SIDES.

3. ON ALL PARAPET LOCATIONS, WRAP PARAPET WITH NEW PRE-MANUFACTURED **TAN 40 MIL** PARAPET FLASHINGS AND TERMINATE ON EXTERIOR OF WALL.

4. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR BETTER, PRESSURE TREATED, AND MUST BE FASTENED TO THE DECK, WALL OR EXISTING SECURED NAILER IN SUCH A MANNER THAT THEY RESIST 180 LB. OF FORCE PER LINEAR FOOT OF NAILER IN ANY DIRECTION. FASTENERS USED TO ATTACH WOOD NAILERS MUST BE SPACED NO GREATER THAN 18-INCHES (455 MM)

5. INSTALL MEMBRANE VINYL-COATED METAL SCUPPERS THROUGH OVERFLOW WALL DRAINS AND USE E.M. CONDUCTOR HEAD # 2766 ATTACHED TO DOWNSPOUTS.

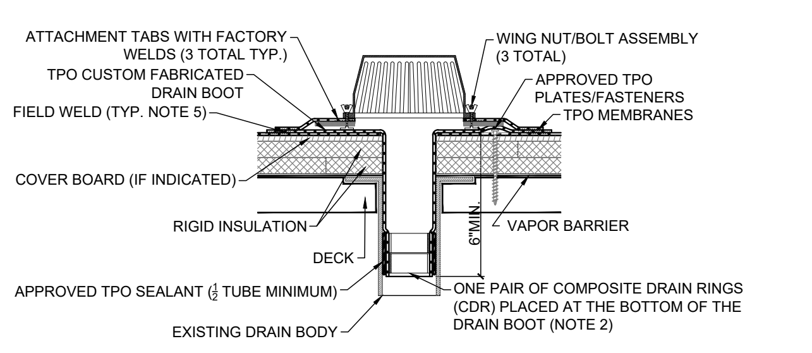
6. ALL DECK SHEETS AND PARAPETS SHALL BE PULLED TIGHT AND INSTALLED AS WRINKLE FREE AS POSSIBLE.

7. INSTALL PRE-MANUFACTURED FLASHINGS ON ALL ROOF PENETRATIONS AS SPECIFIED BY ROOF MEMBRANE MANUFACTURER.

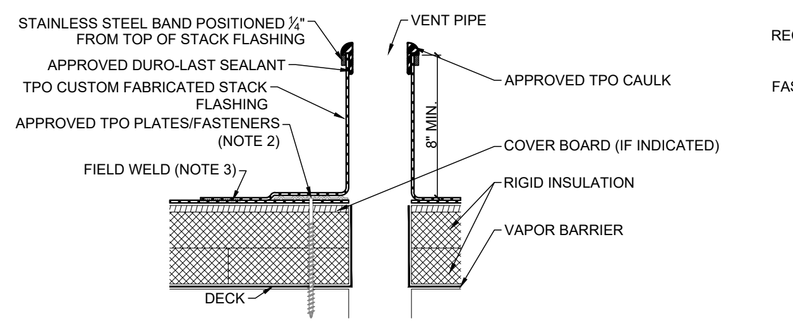
8. FURNISH AND INSTALL NEW 60" X 60", FULL SKIRT MEMBRANE WALK TRAC AT THE ROOF HATCH FROM AROUND ALL SERVICEABLE ROOFTOP UNITS. MEMBRANE WALK PADS SHOULD BE INSTALLED BY WELDING THE SIX INCH SKIRT COMPLETELY TO THE DECK MEMBRANE WITH A FULL $1\frac{1}{2}$" WELD TO PREVENT THE WALK PADS FROM DISLODGING.

9. CONTRACTOR MUST DISPOSE OF ALL DEBRIS IN AN APPROVED FACILITY IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

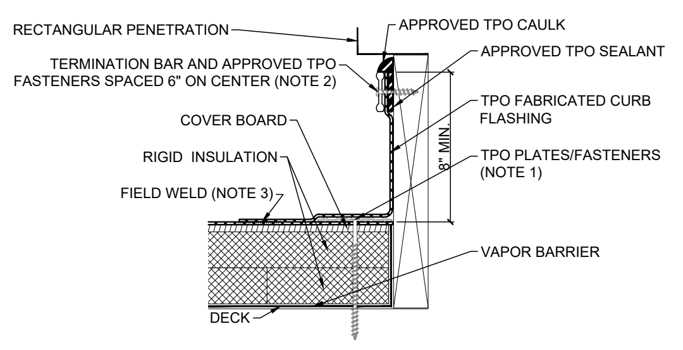
10. CONTRACTOR TO INSTALL THE MEMBRANE SYSTEM PER ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.


ATTACHMENT TABS WITH FACTORY WELDS (3 TOTAL TYP.)
TPO CUSTOM FABRICATED DRAIN BOOT
FIELD WELD (TYP. NOTE 5)
COVER BOARD (IF INDICATED)
RIGID INSULATION
DECK
APPROVED TPO SEALANT (½ TUBE MINIMUM)
EXISTING DRAIN BODY
WING NUT/BOLT ASSEMBLY (3 TOTAL)
APPROVED TPO PLATES/FASTENERS
TPO MEMBRANES
VAPOR BARRIER
6"MIN.
ONE PAIR OF COMPOSITE DRAIN RINGS (CDR) PLACED AT THE BOTTOM OF THE DRAIN BOOT (NOTE 2)

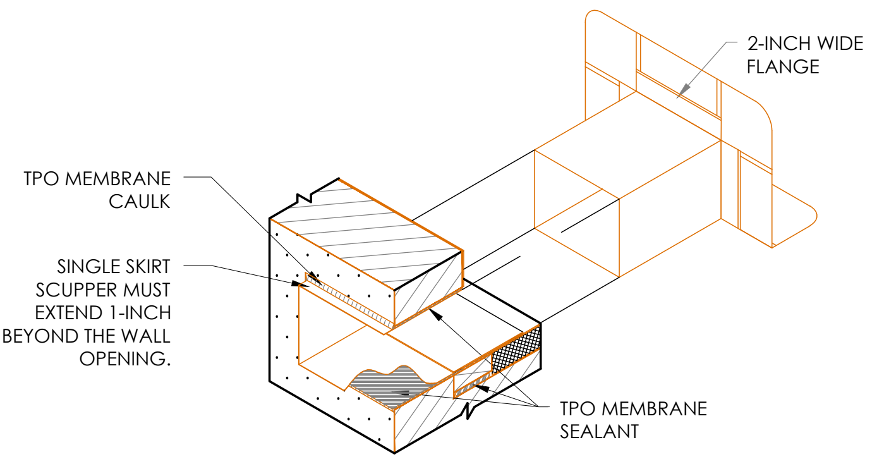
NOTE 1: MEMBRANE MUST BE FASTENED AROUND THE PERIMETER OF THE DRAIN WITH THE SAME FASTENING PATTERN AS THE FIELD MEMBRANE, NO LESS THAN 1 FASTENER PER DRAIN.
NOTE 2: THE OPENINGS IN THE CDRs MUST FACE IN OPPOSITE DIRECTIONS. SEALANT MUST BE BEHIND THE MEMBRANE AT THE CDRs' LOCATION.
NOTE 3: DOME STRAINER ATTACHMENT TABS ARE SECURED TO THE ROOF MEMBRANE BY HEAT WELDING.
NOTE 4: TPO DOME STRAINERS (OPTIONAL) MUST ONLY BE USED WITH ROOF DRAINS THAT ARE 6" IN DIAMETER OR LESS.
NOTE 5: ALL FIELD WELDS SHALL BE A MINIMUM OF 1 ½" WIDE.

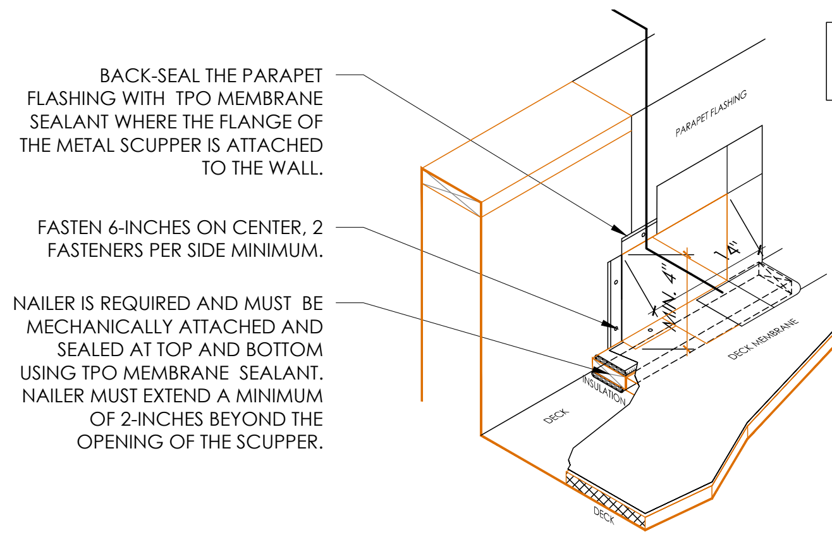

STAINLESS STEEL BAND POSITIONED ¼" FROM TOP OF STACK FLASHING
APPROVED DURO-LAST SEALANT
TPO CUSTOM FABRICATED STACK FLASHING
APPROVED TPO PLATES/FASTENERS (NOTE 2)
FIELD WELD (NOTE 3)
DECK
VENT PIPE
APPROVED TPO CAULK
8" MIN.
COVER BOARD (IF INDICATED)
RIGID INSULATION
VAPOR BARRIER

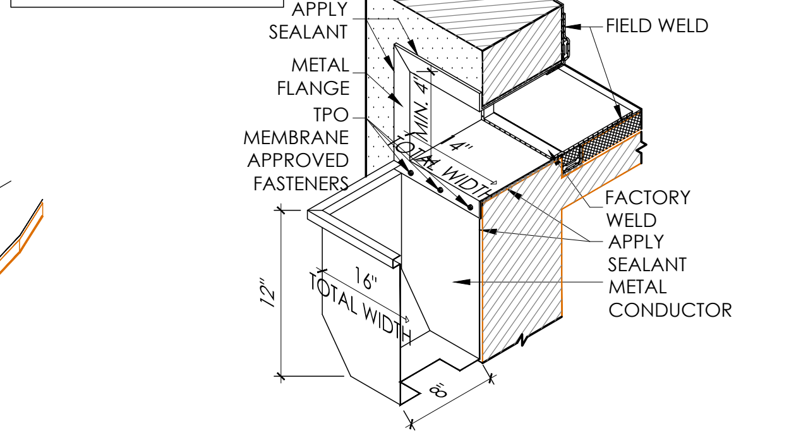
NOTE 1: LEAD FLASHINGS MUST BE REMOVED PRIOR TO INSTALLING TPO STACK FLASHINGS.
NOTE 2: DECK MEMBERANE SHALL BE FASTENED AROUND THE PERIMETER OF THE TPO STACK FLASHING AS PER THE RESPECTIVE ZONE THE TPO STACK FLASHING IS LOCATED WITHIN (FIELD, PERIMETER, CORNER), NO LESS THAN ONE FASTENER PER FLASHING.
NOTE 3: ALL FIELD WELDS SHALL BE A MINIMUM OF 1 ½" WIDE.



NOTE 1: DECK MEMBRANE SHALL BE FASTENED AROUND PERIMETER OF ROOF PENETRATION AS PER RESPECTIVE ZONE THE ROOF ACCESS HATCH IS LOCATED WITHIN (FILED, PERIMETER, CORNER).
NOTE 2: TERMINATION BAR SHALL HAVE AN APPROVED TPO FASTENER WITHIN 1" OF EACH CORNER.
NOTE 3: ALL FIELD WELDS SHALL BE A MINIMUM OF 1 ½" WIDE.

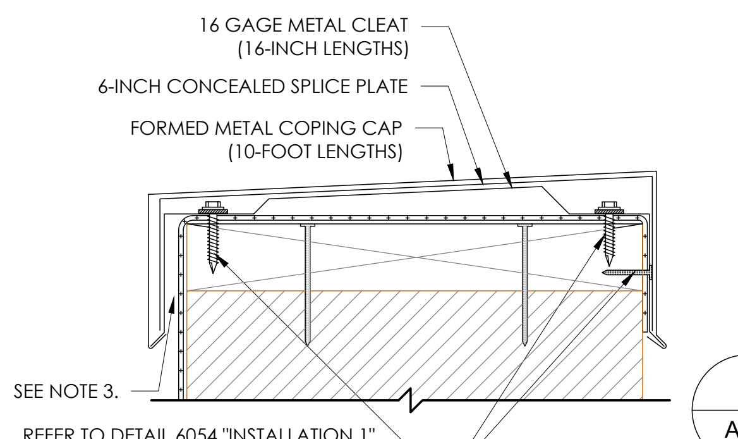

2-INCH WIDE FLANGE
TPO MEMBRANE CAULK
SINGLE SKIRT SCUPPER MUST EXTEND 1-INCH BEYOND THE WALL OPENING.
TPO MEMBRANE SEALANT


BACK-SEAL THE PARAPET FLASHING WITH TPO MEMBRANE SEALANT WHERE THE FLANGE OF THE METAL SCUPPER IS ATTACHED TO THE WALL.
FASTEN 6-INCHES ON CENTER, 2 FASTENERS PER SIDE MINIMUM.
NAILER IS REQUIRED AND MUST BE MECHANICALLY ATTACHED AND SEALED AT TOP AND BOTTOM USING TPO MEMBRANE SEALANT. NAILER MUST EXTEND A MINIMUM OF 2-INCHES BEYOND THE OPENING OF THE SCUPPER.
PARAPET FLASHING
MIN. 4"
14"
INSULATION
DECK
DECK MEMBRANE



OVERFLOW THRU-WALL SCUPPER, USE SAME DETAIL WITH NO CONDUCTOR BOX

NOTES:
1. APPLY A BEAD OF SEALANT OR MASTIC BETWEEN THE COLLECTOR HEAD AND THE WALL.
2. BACKSEAL AND FASTEN TOP FLANGE OF COLLECTOR 6-INCHES ON CENTER.
3. SEE DETAIL 2060 IN THE SMACNA SHEET METAL MANUAL FOR INTERIOR WALL TERMINATION
4. IN LIEU OF "CLIP" STYLE CONNECTIONS, AN OVERLAP OF 2-INCHES IS REQUIRED (MANUFACTURED) BETWEEN SECTIONS.
5. A WOOD NAILER IS REQUIRED IF ONE OR MORE INCHES OF INSULATION IS USED. TOP OF WOOD NAILER TO BE FLUSH WITH TOP OF INSULATION. THE FASTENERS USED TO ATTACH THE BASE TO WOOD NAILERS MUST BE SPACED NO GREATER THAN 6-INCHES ON CENTER. INCREASE DENSITY TO SAFETY FACTOR OF (2) AT ROOF CORNERS (FOR EXAMPLE: IF 6-INCHES O.C., CORNER DENSITY WOULD BE 3 INCHES). BE SURE THAT THE WOOD NAILER EXTENDS AT LEAST 1/2-INCH MIN. BEYOND THE HORIZONTAL DIMENSION OF THE SNAP-ON BASE.
6. ALLOW FOR 1/8-INCH GAP AT THE BASE BETWEEN 10'-0" LENGTHS.


16 GAGE METAL CLEAT (16-INCH LENGTHS)
6-INCH CONCEALED SPLICE PLATE
FORMED METAL COPING CAP (10-FOOT LENGTHS)
SEE NOTE 3.

REFER TO DETAIL 6054 "INSTALLATION 1" IN THE SMACNA SHEET METAL MANUAL FOR ATTACHMENT REQUIREMENTS.

NOTES:
1. ALL COPING CAP JOINTS MUST UTILIZE A 6-INCH CONCEALED SPLICE PLATE.
2. ALL JOINTS ARE TO BE SEALED WITH AN APPROVED TPO MEMBRANE SEALANT ON TOP OF THE SPLICE PLATE, ON BOTH SIDES OF THE JOINT. ALLOW A 1/4-INCH GAP BETWEEN COPING SECTIONS.
3. ON THE INSIDE EDGE OF THE COPING CAP BASE CLEAT, LEAVE A 3/8-INCH GAP BETWEEN THE CLEAT AND THE WALL TO ALLOW THE COPING CAP TO SNAP INTO PLACE.
4. ALL FASTENERS MUST PENETRATE INTO THE WOOD NAILER A MINIMUM OF 1 1/2-INCHES.

2 A104 ROOFING DETAILS

NTS

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

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F. 770-917-9470
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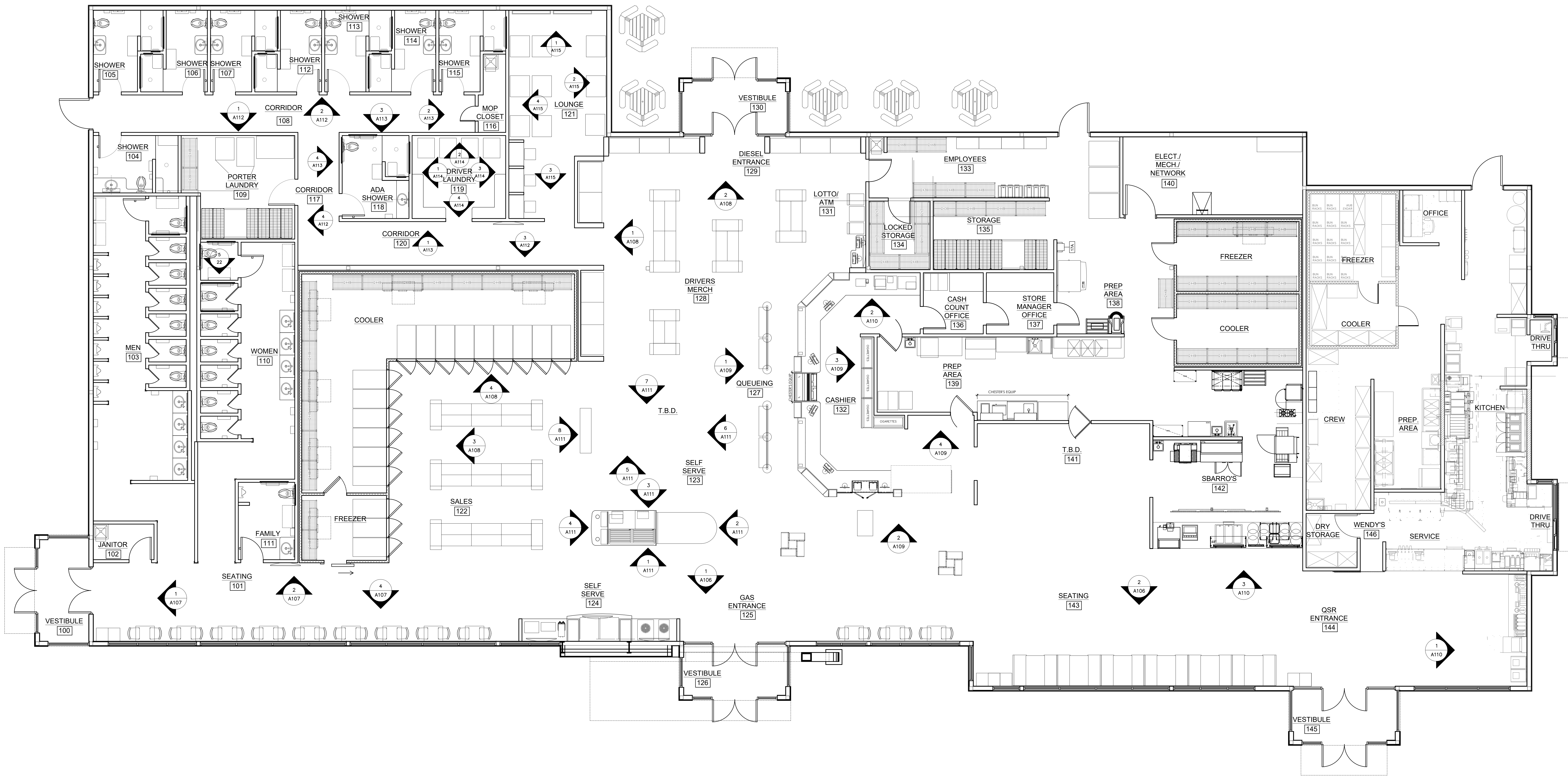
TUCUMCARI, NM

SHEET TITLE:

ROOF PLAN

PROJECT NO: 22057

A104



1
A100

INTERIOR ELEVATIONS KEY PLAN
1/8" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 / A-120A FOR FINISH SCHEDULE.
2. REFER TO SHEET A404 FOR WENDY'S QSR INTERIOR ELEVATIONS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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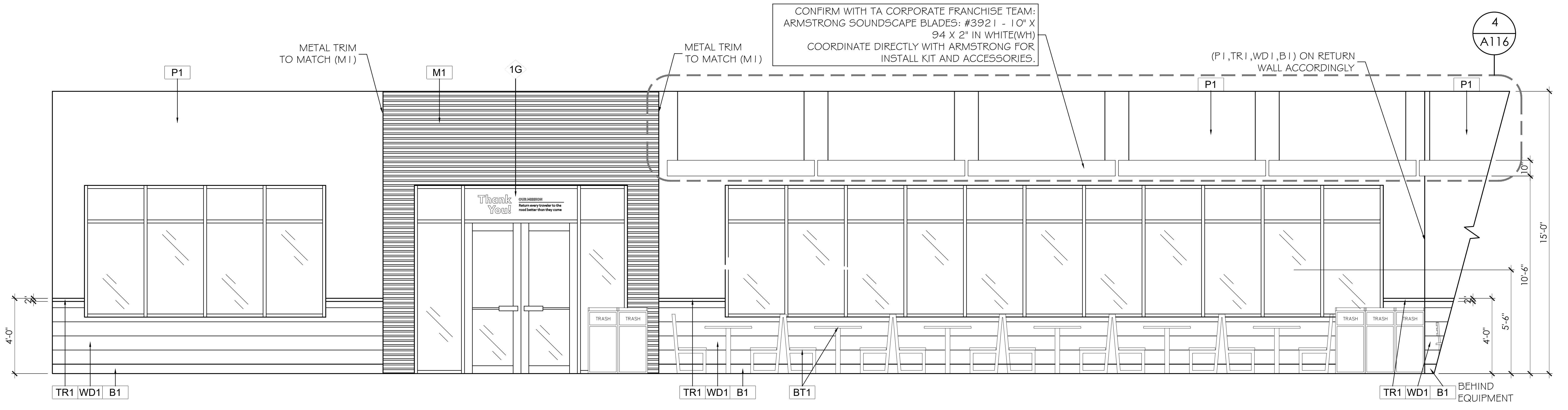
SHEET TITLE:

INTERIOR ELVATIONS
KEY PLAN

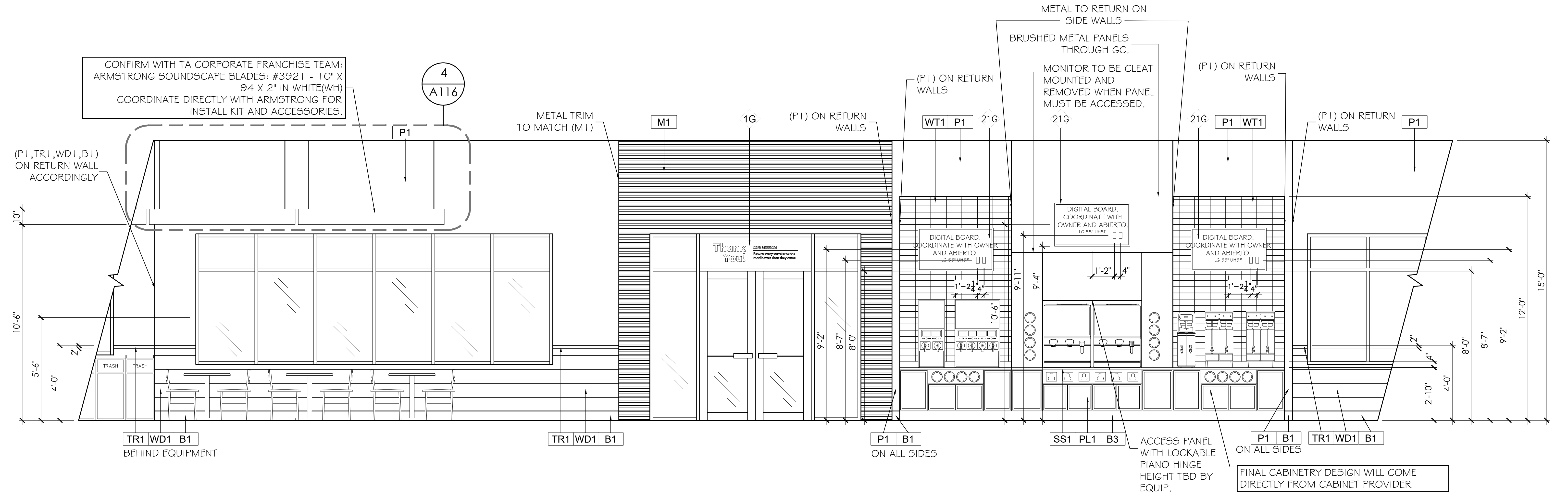
PROJECT NO: 22057

A105


CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
4
A116
METAL TRIM TO MATCH (M1)
METAL TRIM TO MATCH (M1)
(P1,TR1,WD1,B1) ON RETURN WALL ACCORDINGLY
P1
M1
1G
P1
P1
Thank You!
TRASH
TRASH
10"
15'-0"
10'-6"
5'-6"
4'-0"
2"
4'-0"
2"
TR1 WD1 B1
TR1 WD1 B1
BT1
TR1 WD1 B1
BEHIND EQUIPMENT

2 ENTRANCE, BOOTH SEATING ELEVATION

A-106
1/4" = 1'-0"


CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
4
A116
(P1,TR1,WD1,B1) ON RETURN WALL ACCORDINGLY
P1
METAL TRIM TO MATCH (M1)
M1
1G
(P1) ON RETURN WALLS
(P1) ON RETURN WALLS
WT1 P1
21G
METAL TO RETURN ON SIDE WALLS
BRUSHED METAL PANELS THROUGH GC.
MONITOR TO BE CLEAT MOUNTED AND REMOVED WHEN PANEL MUST BE ACCESSED.
21G
(P1) ON RETURN WALLS
21G
P1 WT1
(P1) ON RETURN WALLS
P1
DIGITAL BOARD. COORDINATE WITH OWNER AND ABIERTO.
DIGITAL BOARD. COORDINATE WITH OWNER AND ABIERTO.
DIGITAL BOARD. COORDINATE WITH OWNER AND ABIERTO.
LG 55" UH5F
Thank You!
TRASH
TRASH
10"
10'-6"
5'-6"
4'-0"
2"
9'-2"
8'-7"
8'-0"
9'-11"
9'-4"
10'-6"
1'-2"
4"
1'-2 1/4"
4"
2'-10"
4'-0"
8'-0"
8'-7"
9'-2"
12'-0"
15'-0"
TR1 WD1 B1
BEHIND EQUIPMENT
TR1 WD1 B1
P1 B1
ON ALL SIDES
SS1 PL1 B3
ACCESS PANEL WITH LOCKABLE PIANO HINGE HEIGHT TBD BY EQUIP.
P1 B1
ON ALL SIDES
TR1 WD1 B1
FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

1 SEATING, MAIN ENTRANCE, FROZEN, FOUNTAIN, TEA, ICE COFFEE ELEVATION

A-106
1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

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THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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SHEET TITLE:
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PROJECT NO: 22057

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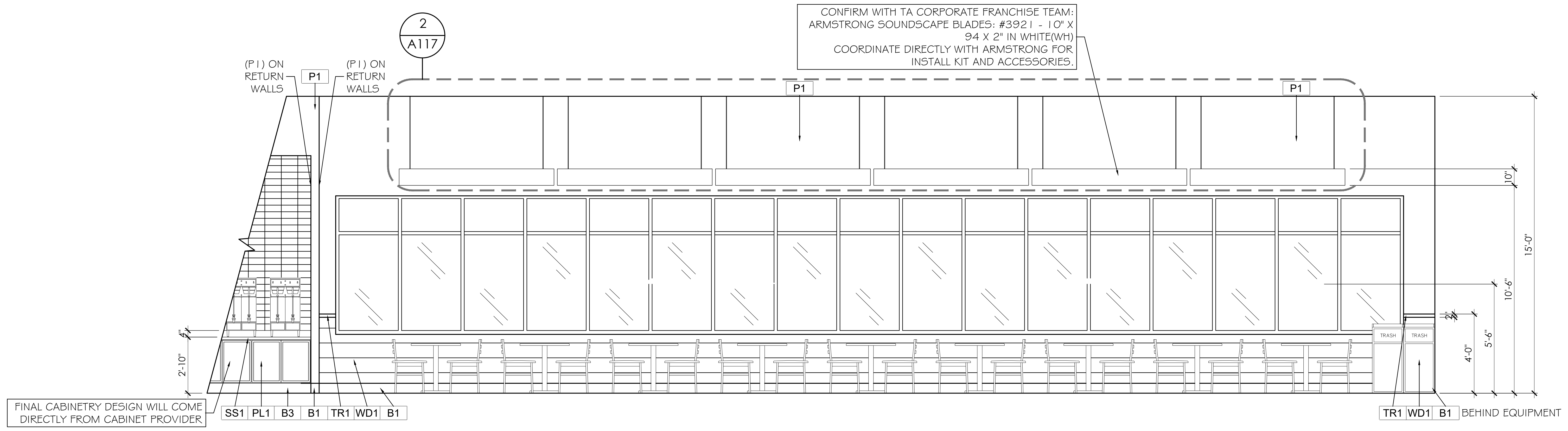
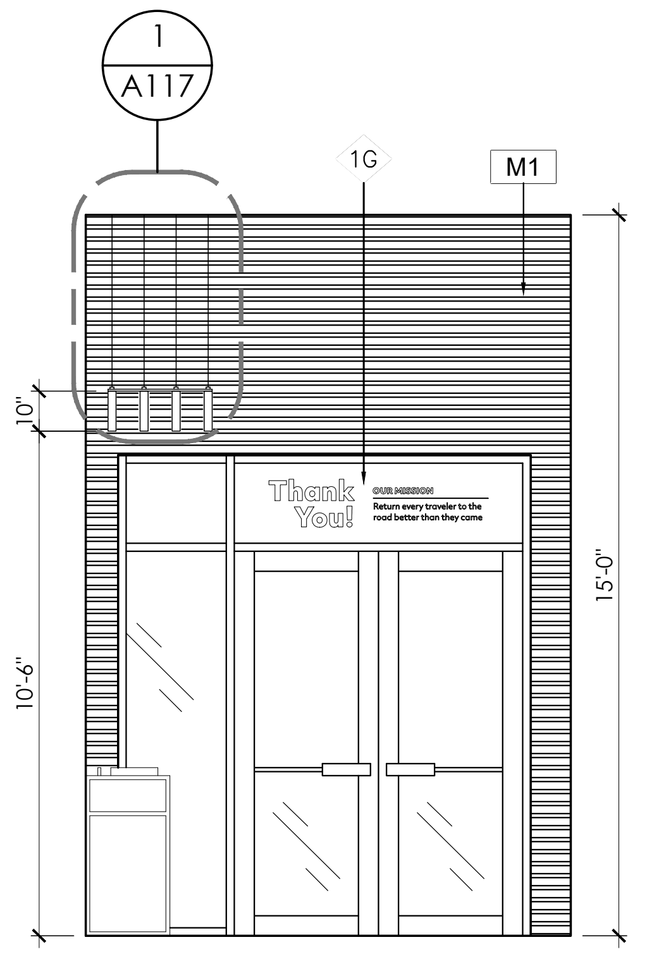


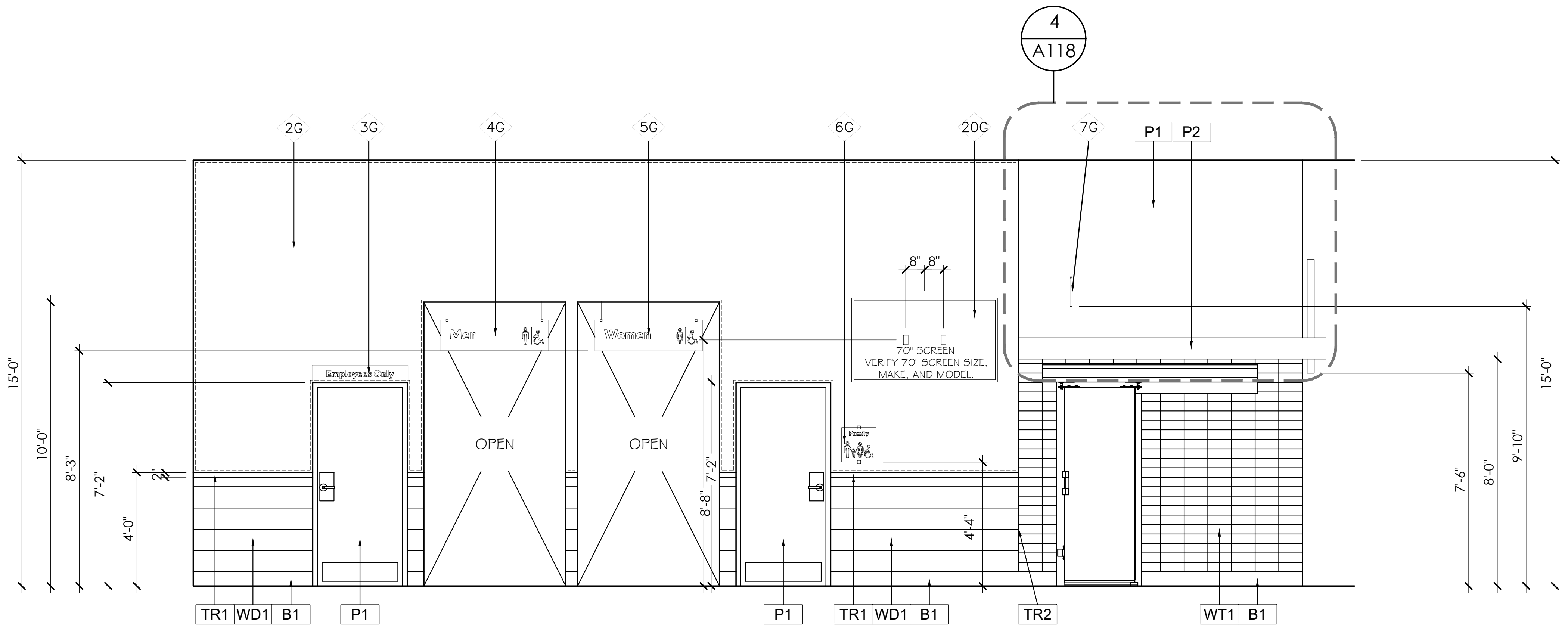
CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.

FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

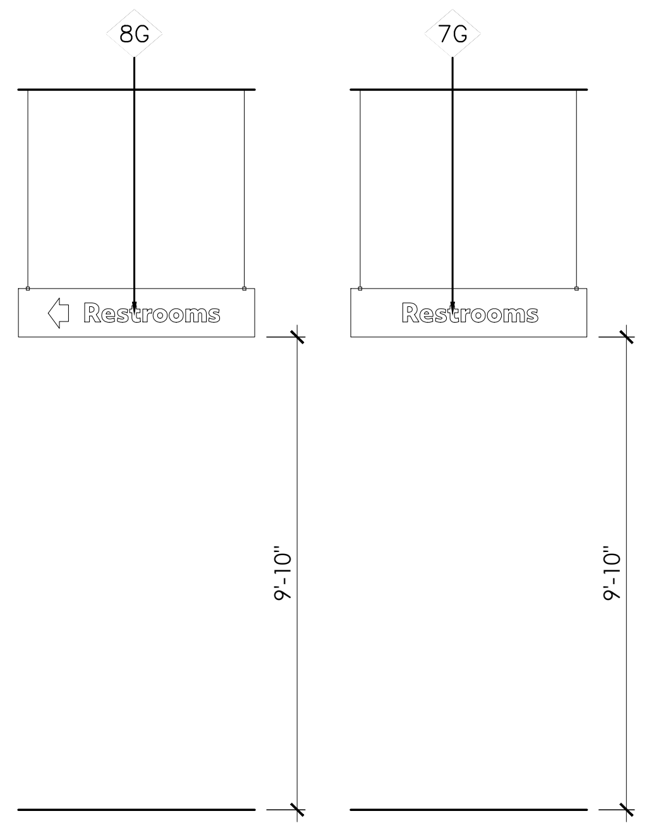
4 SEATING ELEVATION
A-107
1/4" = 1'-0"



1 SIDE ENTRANCE ELEVATION
A-107
1/4" = 1'-0"



2 TO RESTROOMS & COOLERS SIDE WALL ELEVATION
A-107
1/4" = 1'-0"



TBD RESTROOM GRAPHIC DETAIL
A-107
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

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ARCHITECT

423 FISCHER TRAIL
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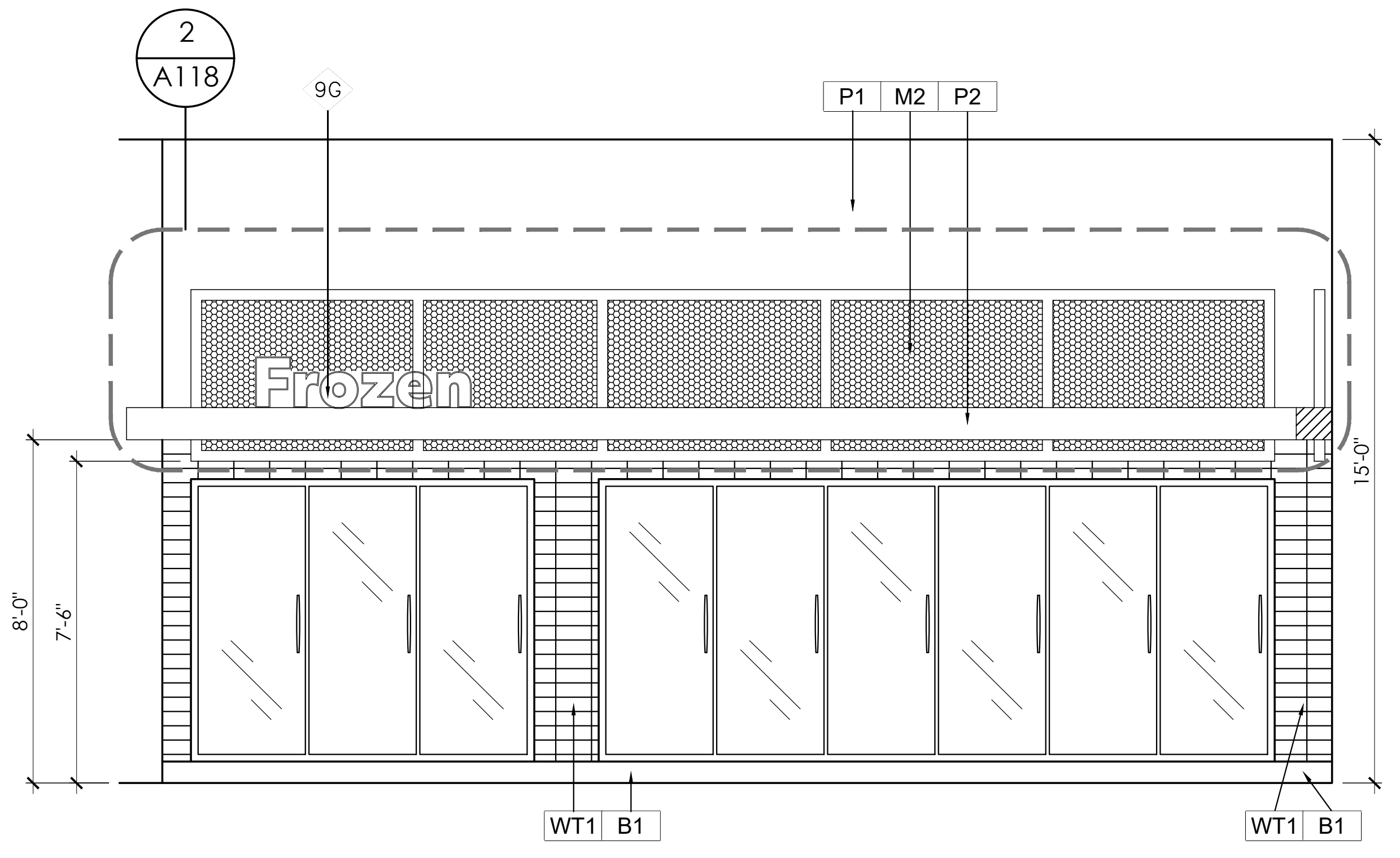
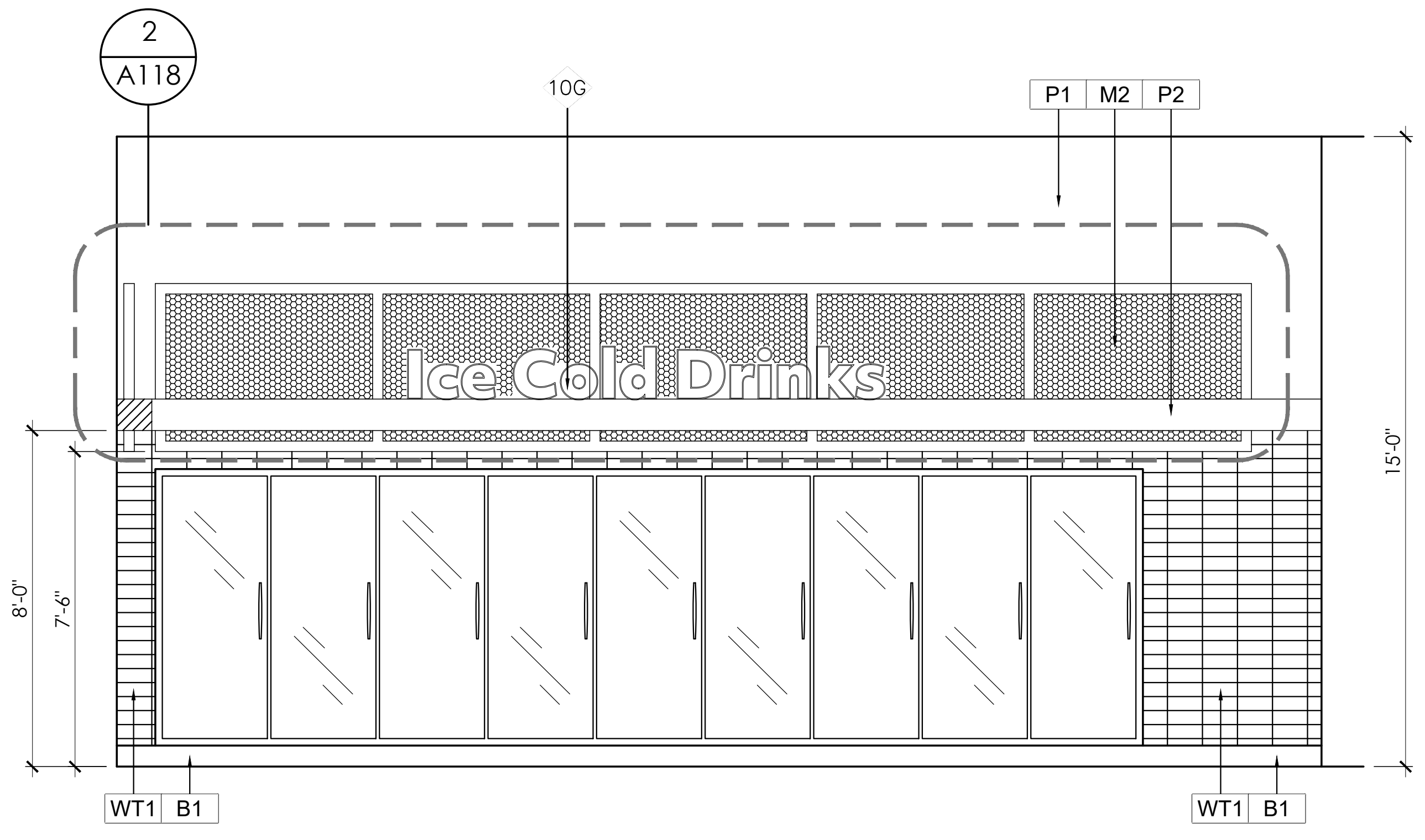
SHEET TITLE:
INTERIOR ELEVATIONS

PROJECT NO: 22057

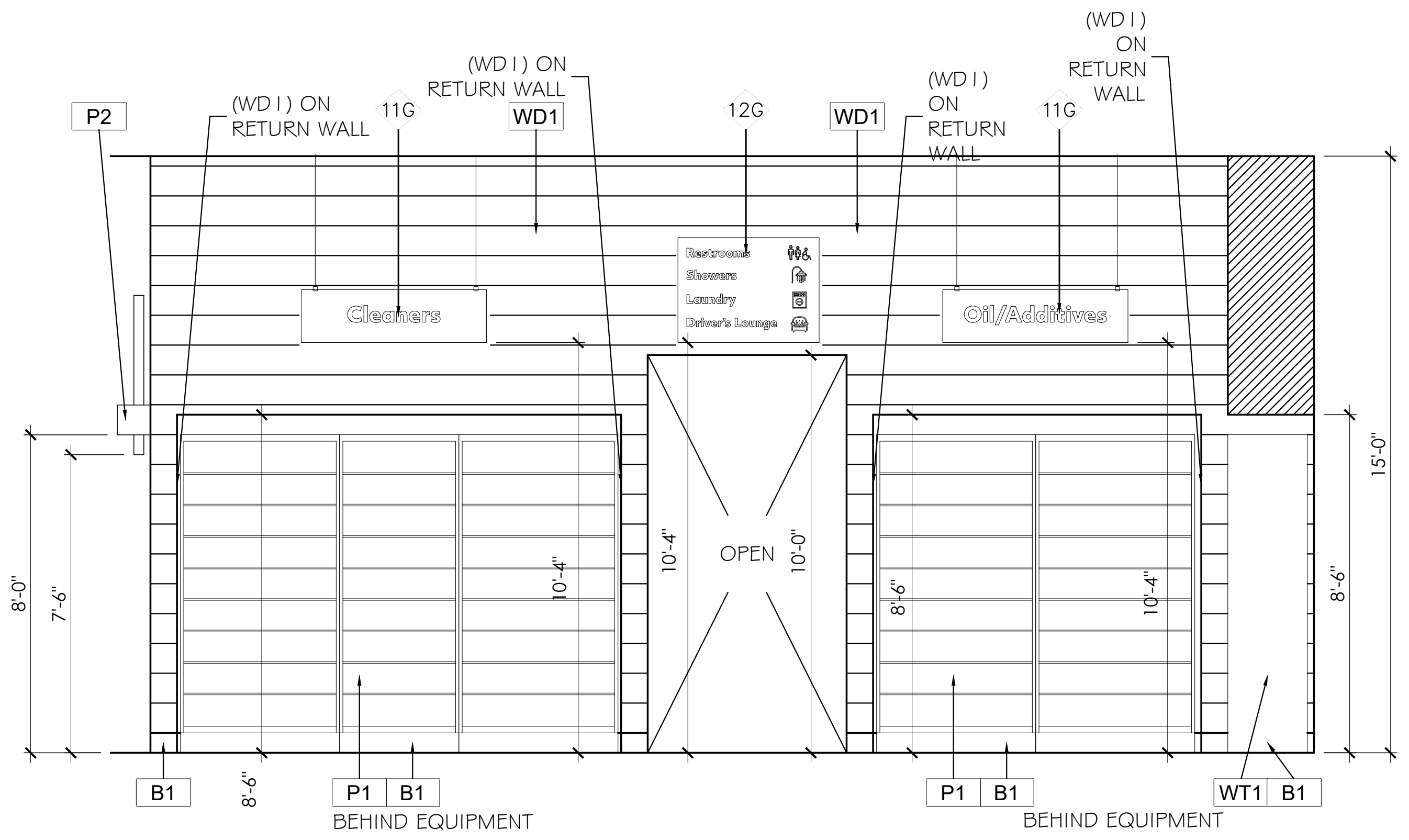
A107



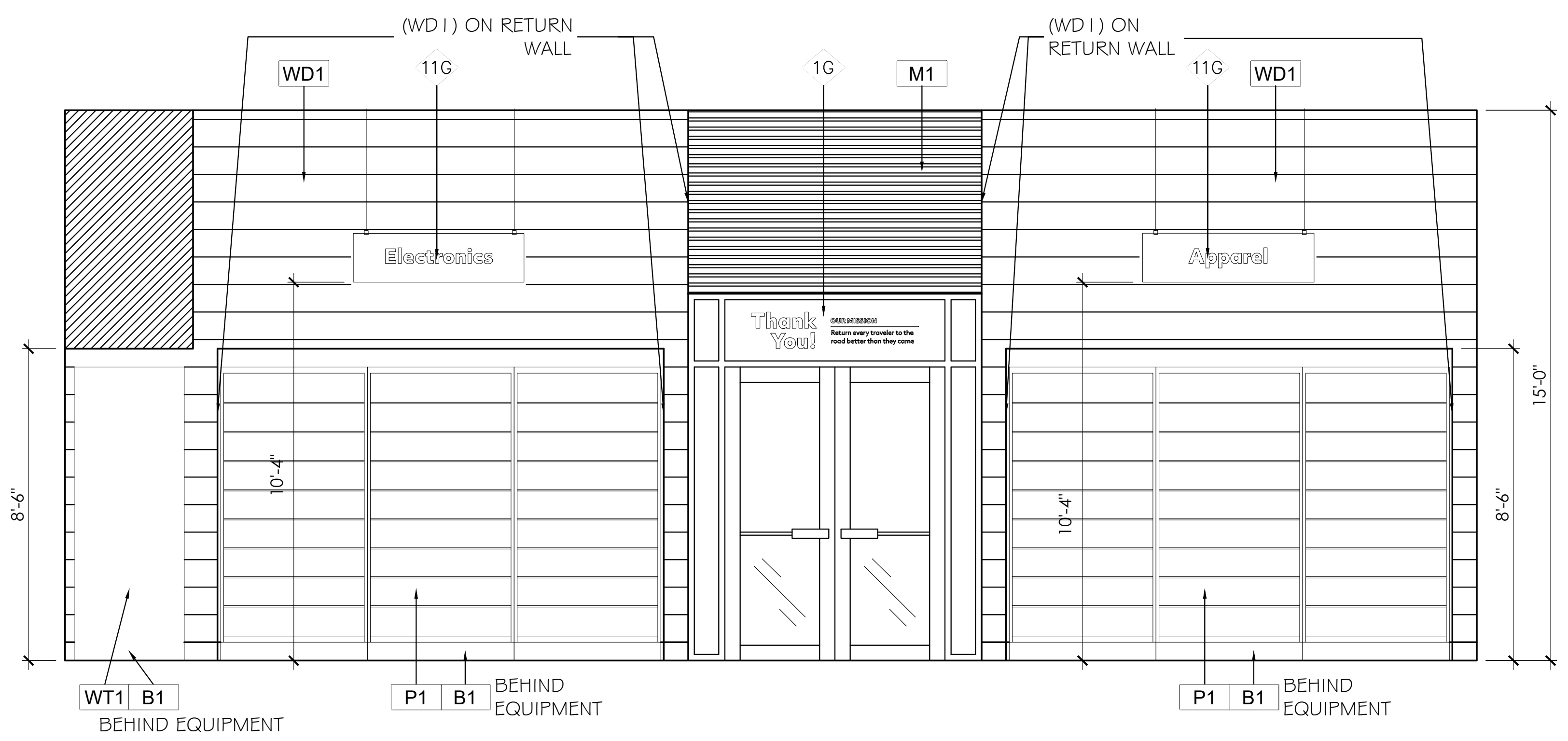
3 COOLERS ELEVATION
A-108 1/4" = 1'-0"



4 COOLERS ELEVATION
A-108 1/4" = 1'-0"



1 TRUCKER MERCHANDISE & TO SHOWERS/LAUNDRY/LOUNGE HALLWAY ELEVATION
A-108 1/4" = 1'-0"



2 TRUCKER MERCHANDISE & BACK ENTRANCE ELEVATION
A-108 1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

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ARCHITECT

423 FISCHER TRAIL
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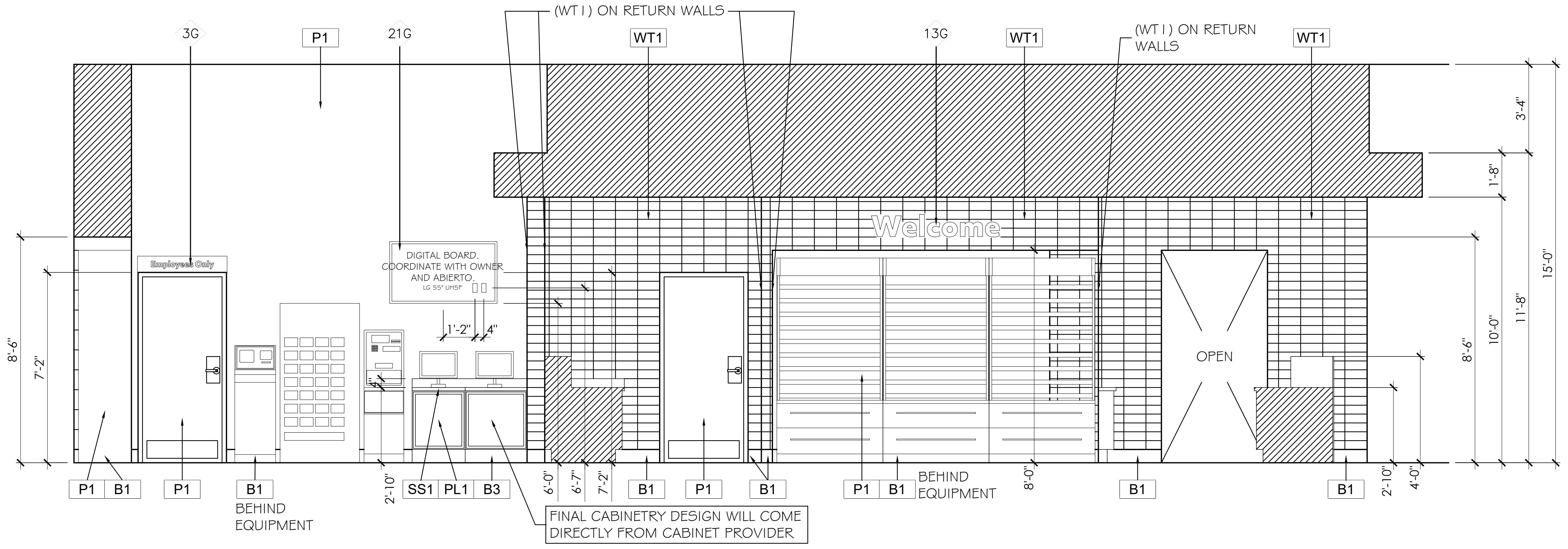
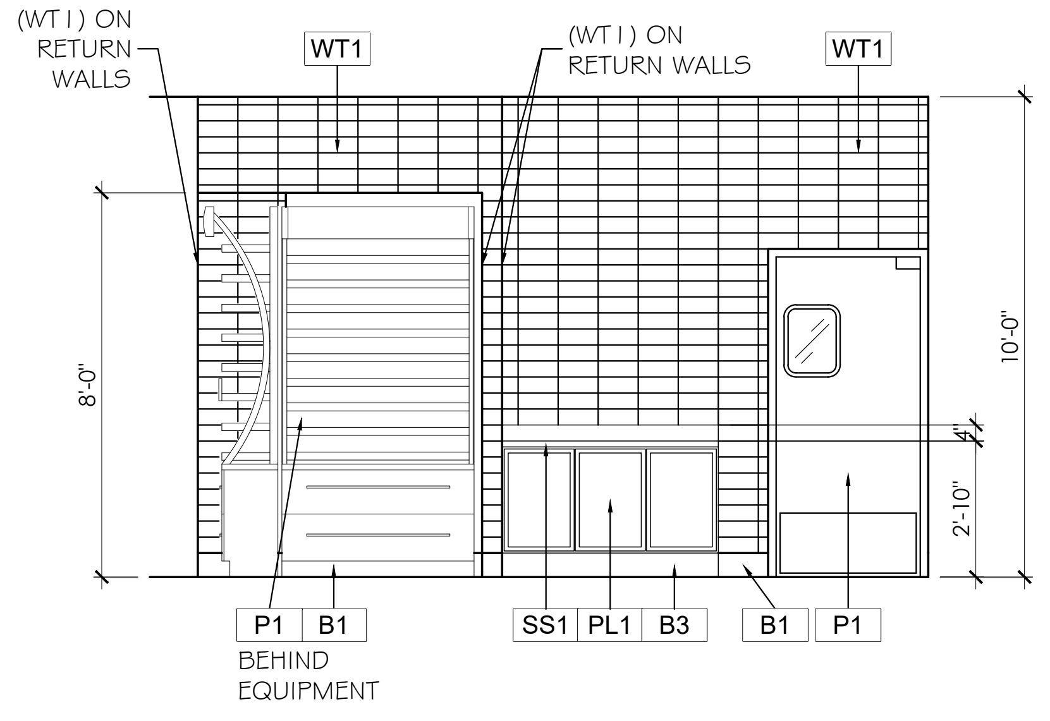
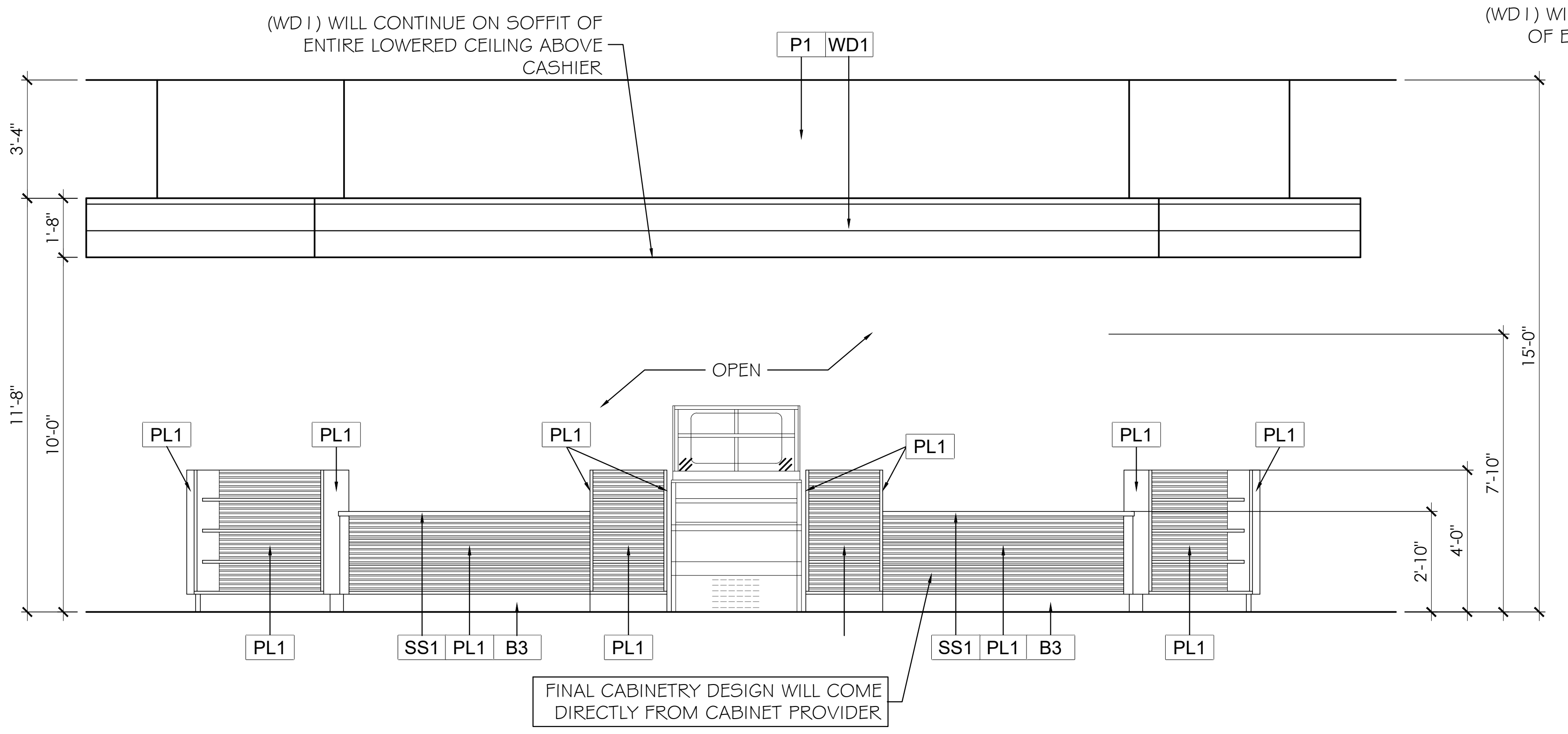


FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

3 A-109 ATM / LOTTO & CASHIER (BACK) ELEVATION
1/4" = 1'-0"

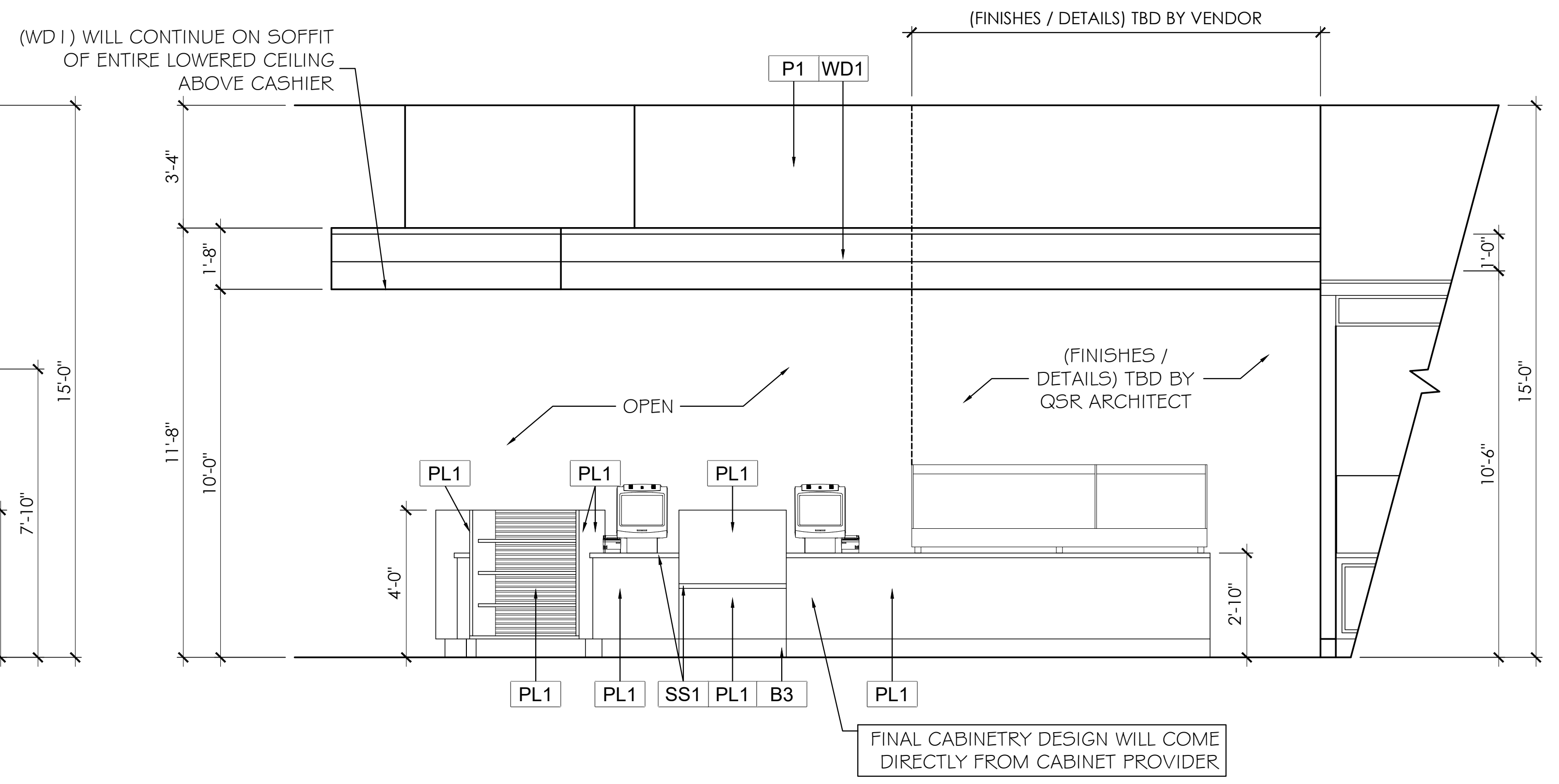


4 A-109 CASHIER (BACK) ELEVATION
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

1 A-109 CASHIER (FRONT) ELEVATION
1/4" = 1'-0"


(WD1) WILL CONTINUE ON SOFFIT OF ENTIRE LOWERED CEILING ABOVE CASHIER
(FINISHES / DETAILS) TBD BY VENDOR
P1 WD1
OPEN
(FINISHES / DETAILS) TBD BY QSR ARCHITECT
PL1
PL1
PL1
3'-4"
1'-8"
11'-8"
10'-0"
4'-0"
2'-10"
1'-0"
10'-6"
15'-0"
PL1
PL1
SS1 PL1 B3
PL1

FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

2 A-109 CASHIER (FRONT) ELEVATION
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

STATE OF NEW MEXICO
THOMAS E. MORGAN, JR.
NO. 005323
REGISTERED ARCHITECT

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DESIGN GROUP

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P. 770-917-9172
F. 770-917-9470
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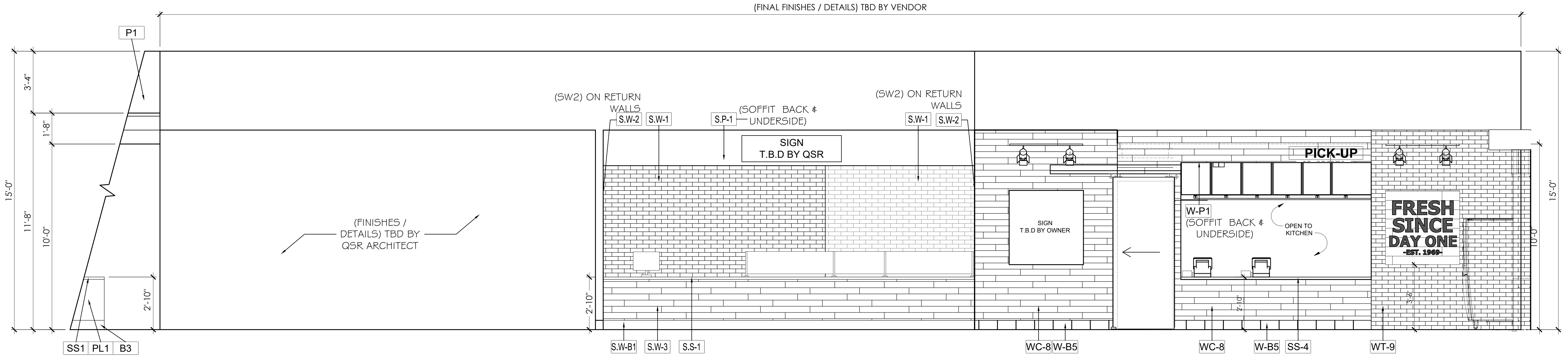
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

INTERIOR ELEVATIONS

PROJECT NO: 22057

A109

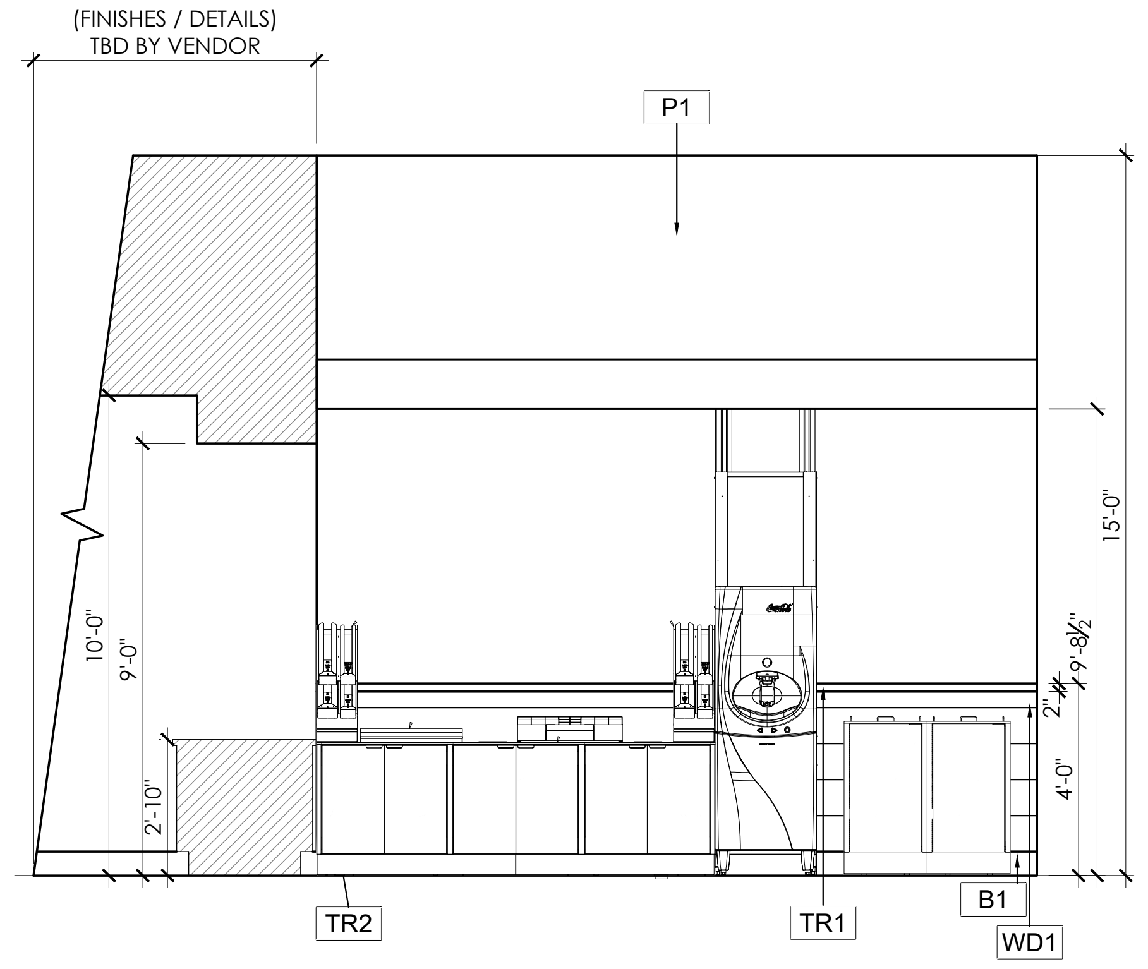


NOTE: FINAL FINISHES / DETAILS TBD BY QSR ARCHITECT

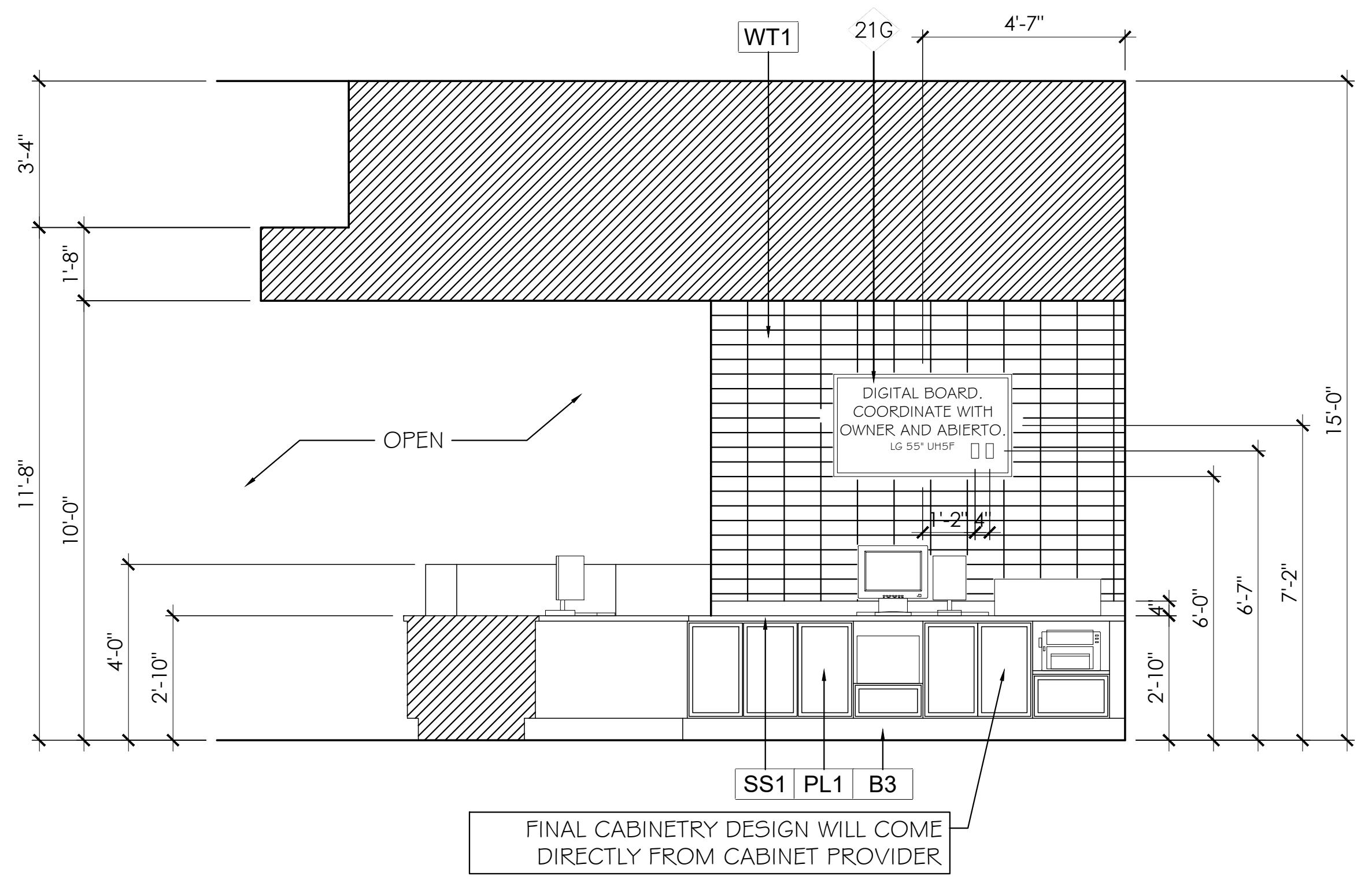
SBARRO
NOTE: FINAL FINISHES TO BE APPROVED BY QSR

WENDY'S
NOTE: FINAL FINISHES TO BE APPROVED BY QSR

3 / A-110 QSR'S FRONT ELEVATION
1/4" = 1'-0"



1 / A-110 SIDE WALL ELEVATION
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

2 / A-110 CASHIER (SIDE) ELEVATION
1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 / A120A FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

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SEAL:

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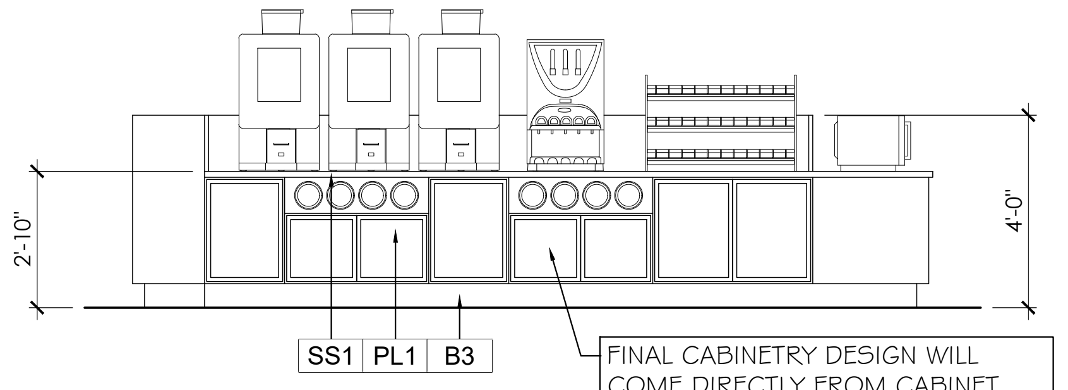
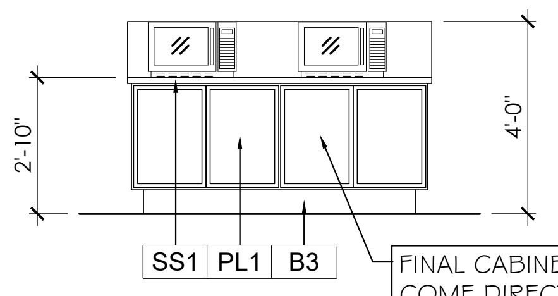


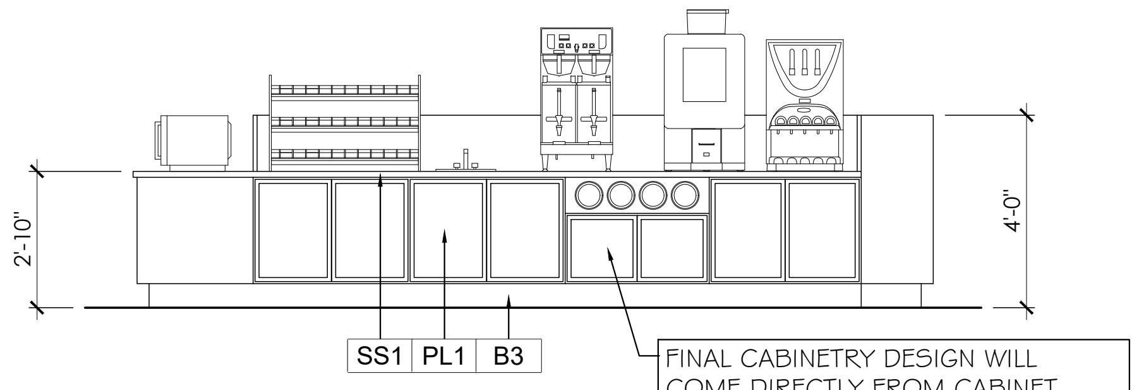
FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

5 CONDIMENT ISLAND ELEVATION
A-111
1/4" = 1'-0"



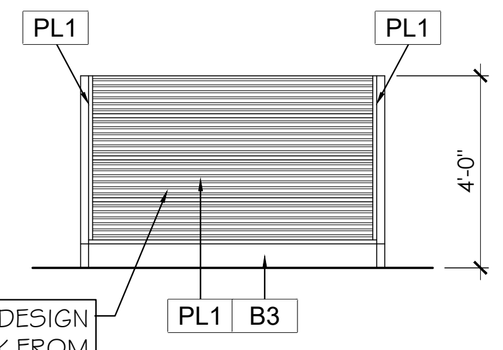
FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

6 CONDIMENT ISLAND ELEVATION
A-111
1/4" = 1'-0"



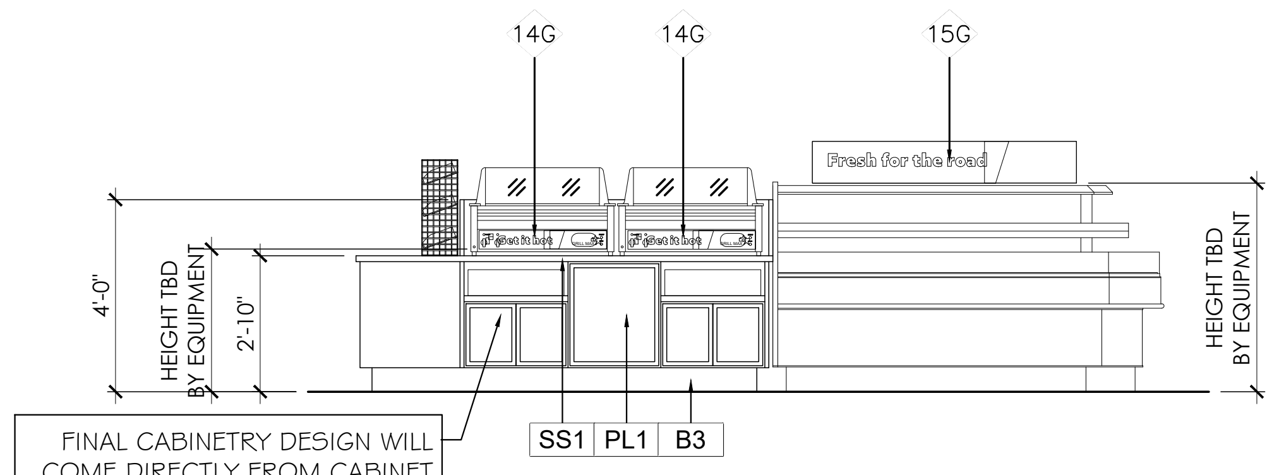
FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

7 CONDIMENT ISLAND ELEVATION
A-111
1/4" = 1'-0"



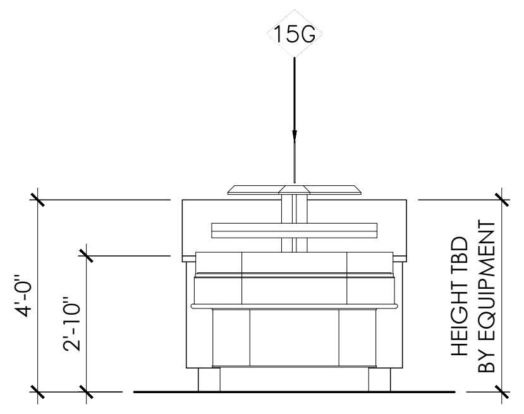
FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

8 CONDIMENT ISLAND ELEVATION
A-111
1/4" = 1'-0"

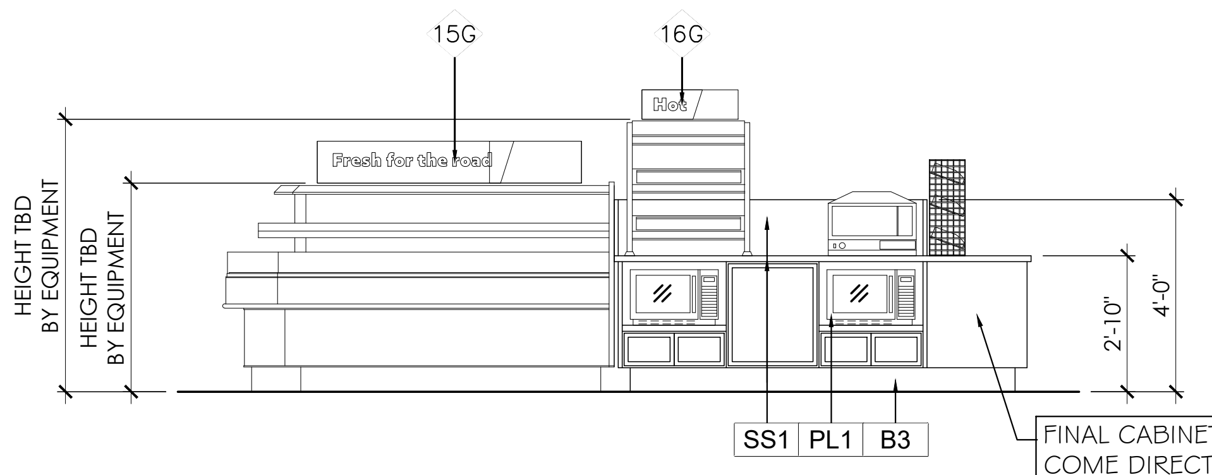


FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

1 CONDIMENT ISLAND & REFRIGERATED ISLAND ELEVATION
A-111
1/4" = 1'-0"

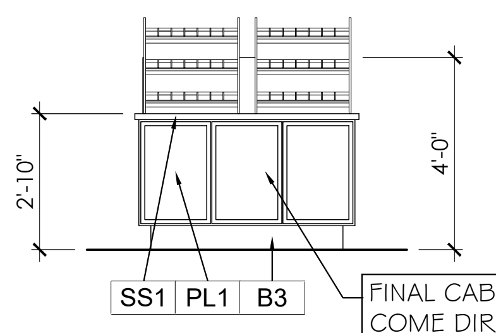


2 REFRIGERATED ISLAND ELEVATION
A-111
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

3 CONDIMENT ISLAND & REFRIGERATED ISLAND ELEVATION
A-111
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

4 CONDIMENT ISLAND ELEVATION
A-111
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 / A120A FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

ARCHITECT OF RECORD:

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ARCHITECT

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ELLIJAY, GEORGIA 30540

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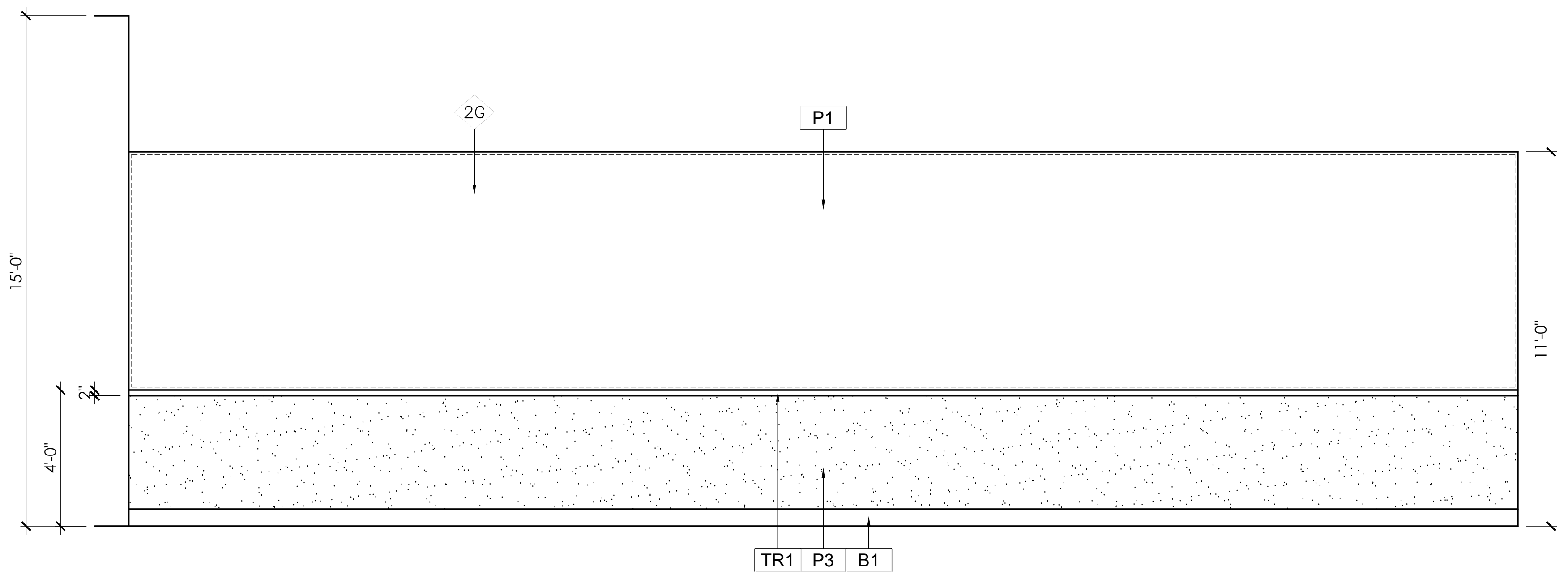
TUCUMCARI, NM

SHEET TITLE:

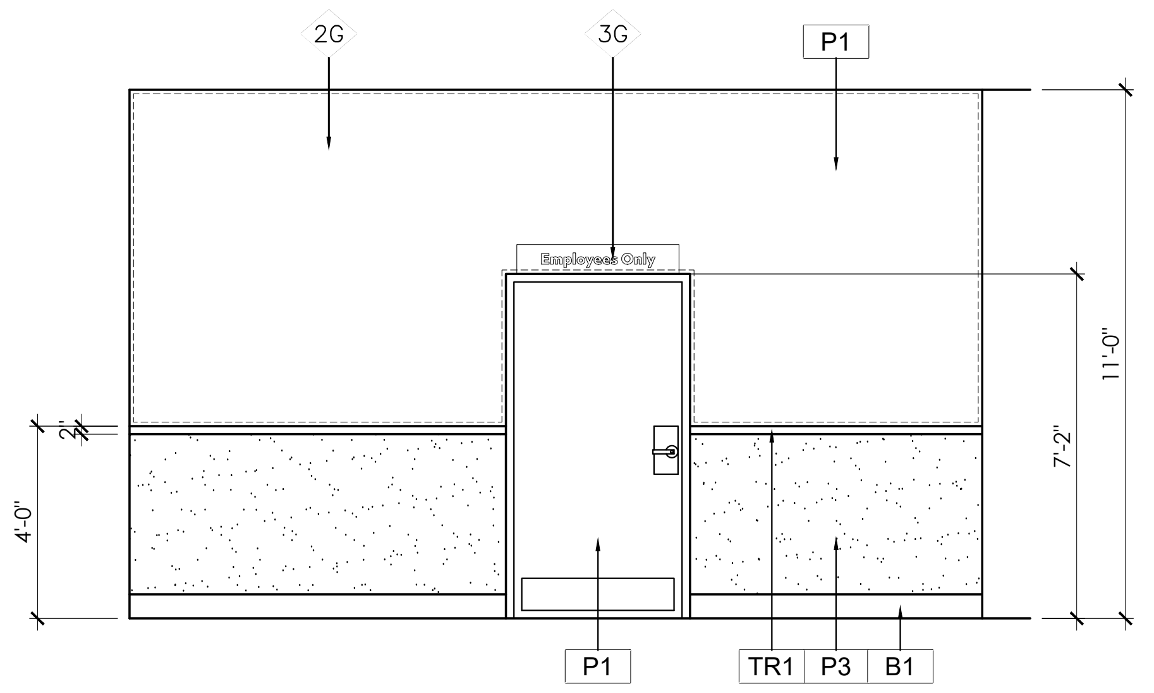
INTERIOR ELEVATIONS

PROJECT NO: 22057

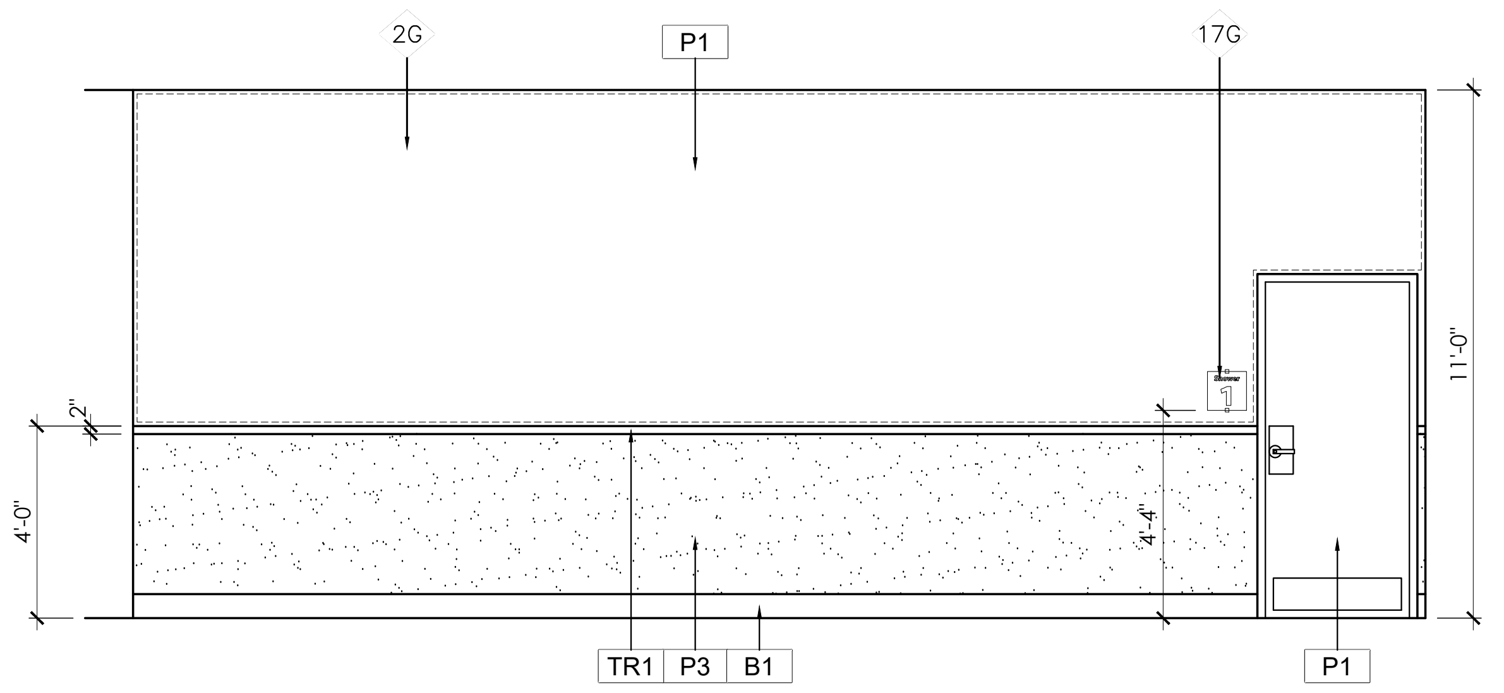
A111



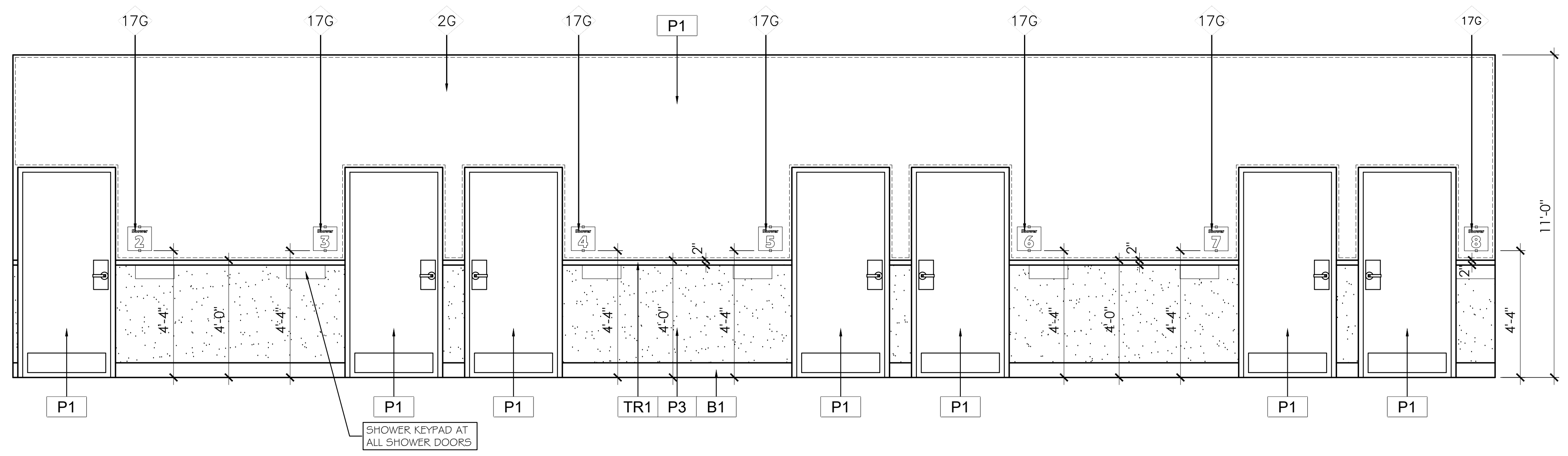
3 HALLWAY ELEVATION
A-112
1/4" = 1'-0"



4 HALLWAY ELEVATION
A-112
1/4" = 1'-0"



1 HALLWAY ELEVATION
A-112
1/4" = 1'-0"



2 HALLWAY ELEVATION
A-112
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 / A120A FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

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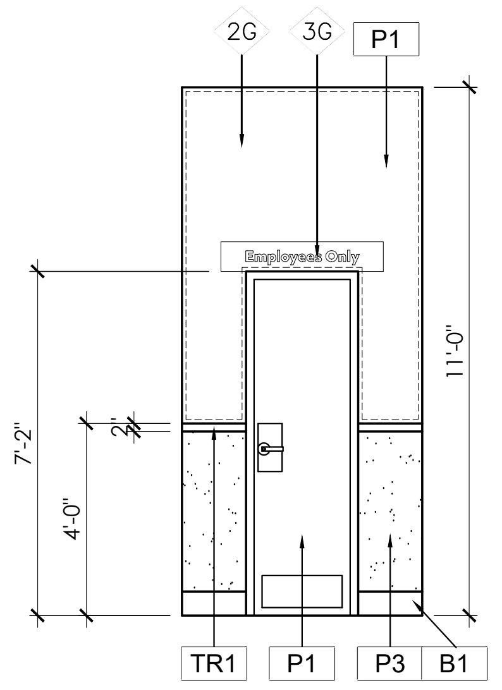
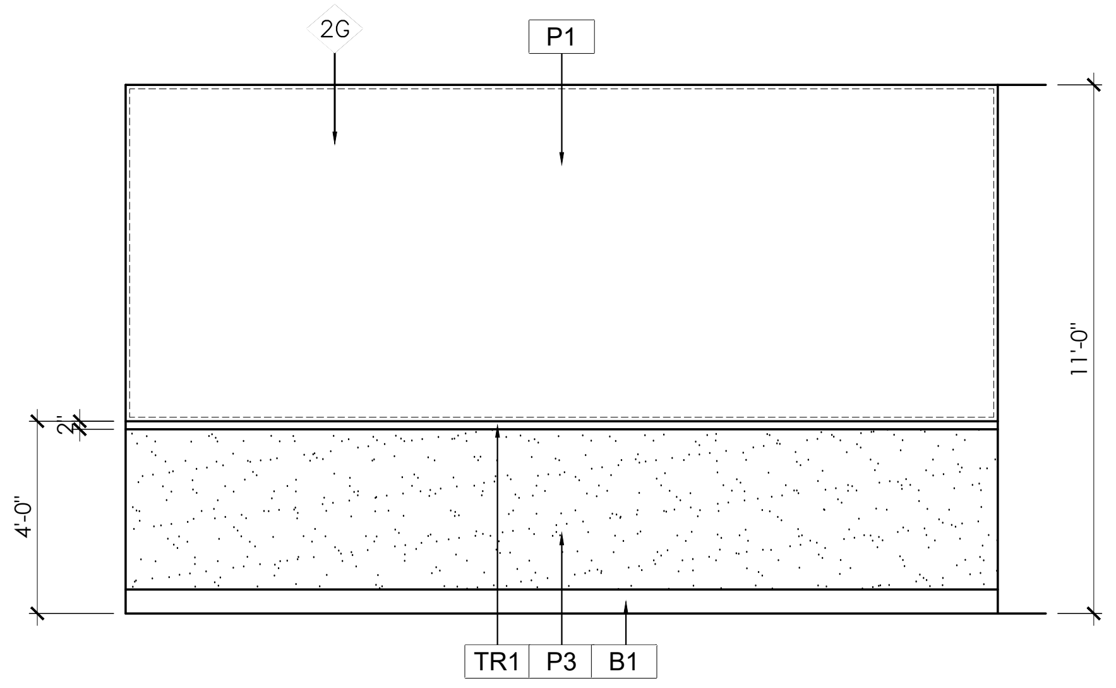
PROJECT NO: 22057

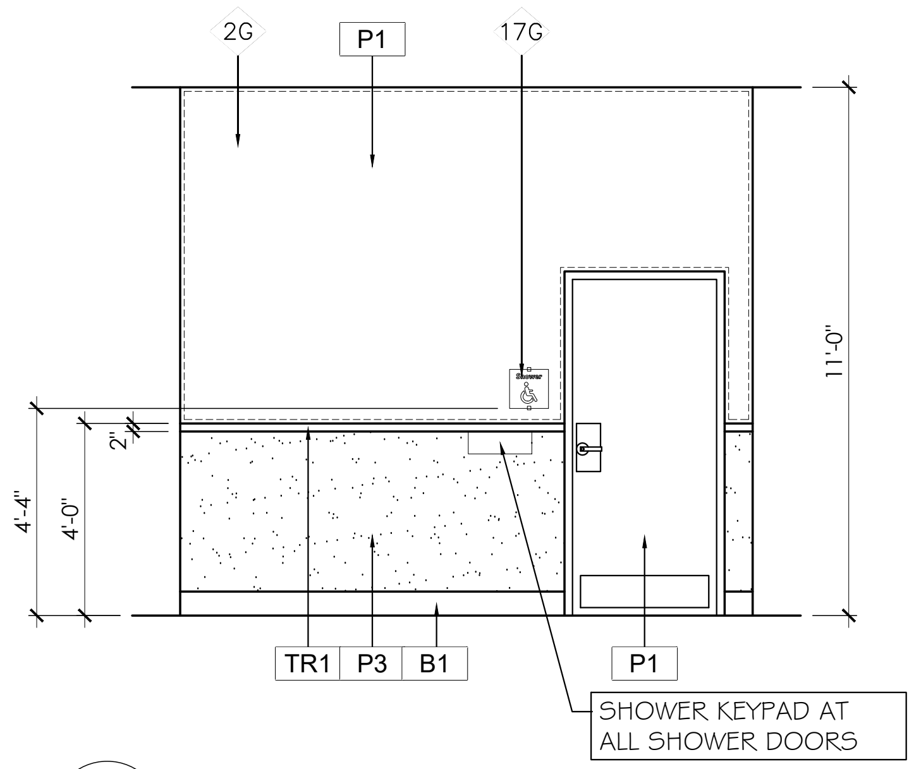
A112



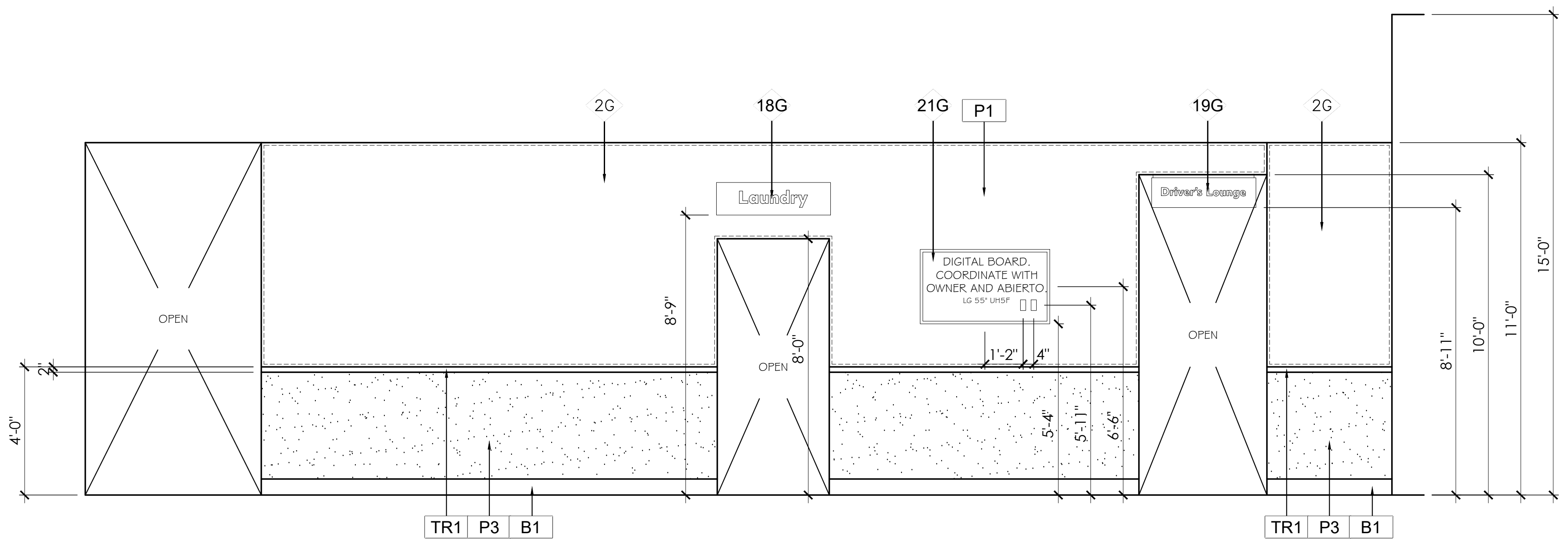
2 HALLWAY ELEVATION
A-113
1/4" = 1'-0"



3 HALLWAY ELEVATION
A-113
1/4" = 1'-0"



4 HALLWAY ELEVATION
A-113
1/4" = 1'-0"



1 HALLWAY ELEVATION
A-113
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 / A120A FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-121 FOR INTERIOR GRAPHICS SCHEDULE.

ARCHITECT OF RECORD:

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ARCHITECT

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ELLIJAY, GEORGIA 30540

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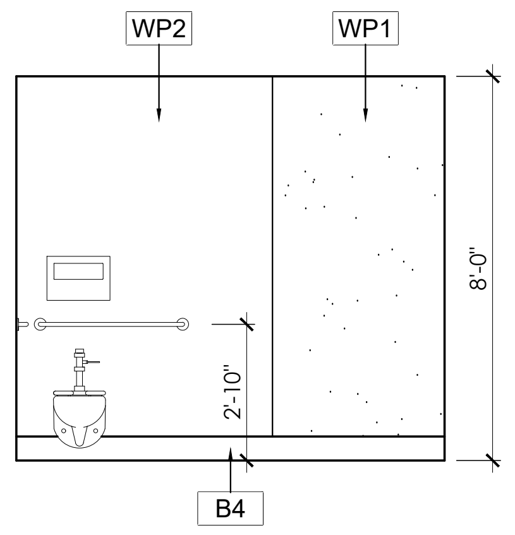
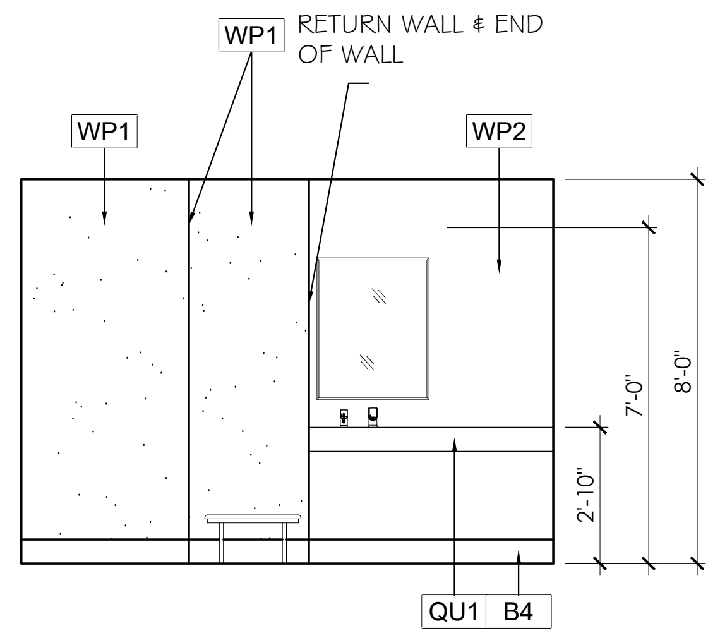
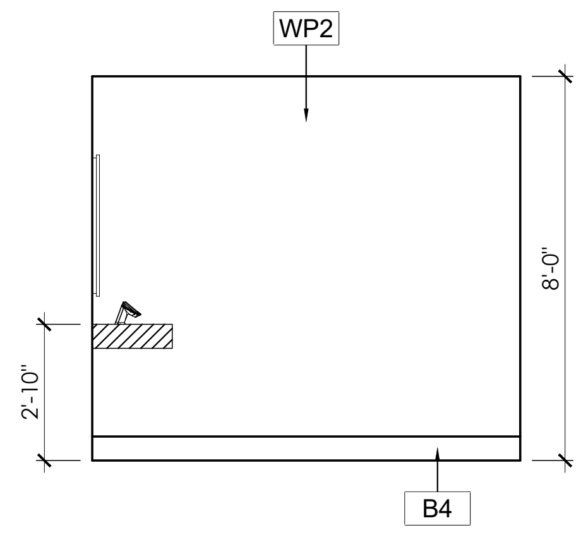


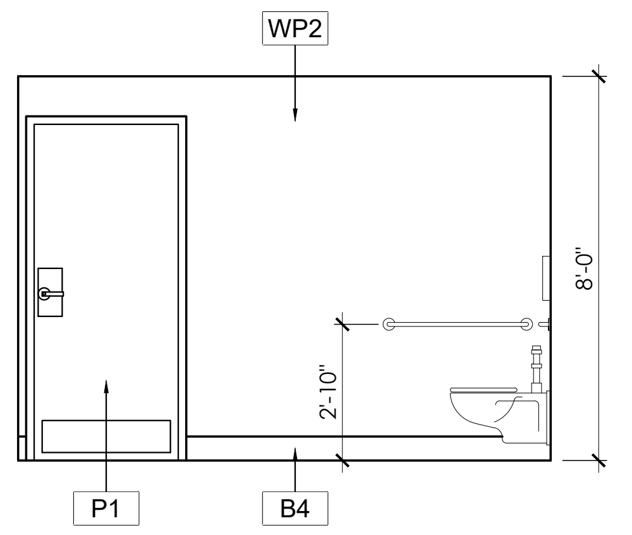
5 A-114 TYP. SHOWER ELEVATION
1/4" = 1'-0"



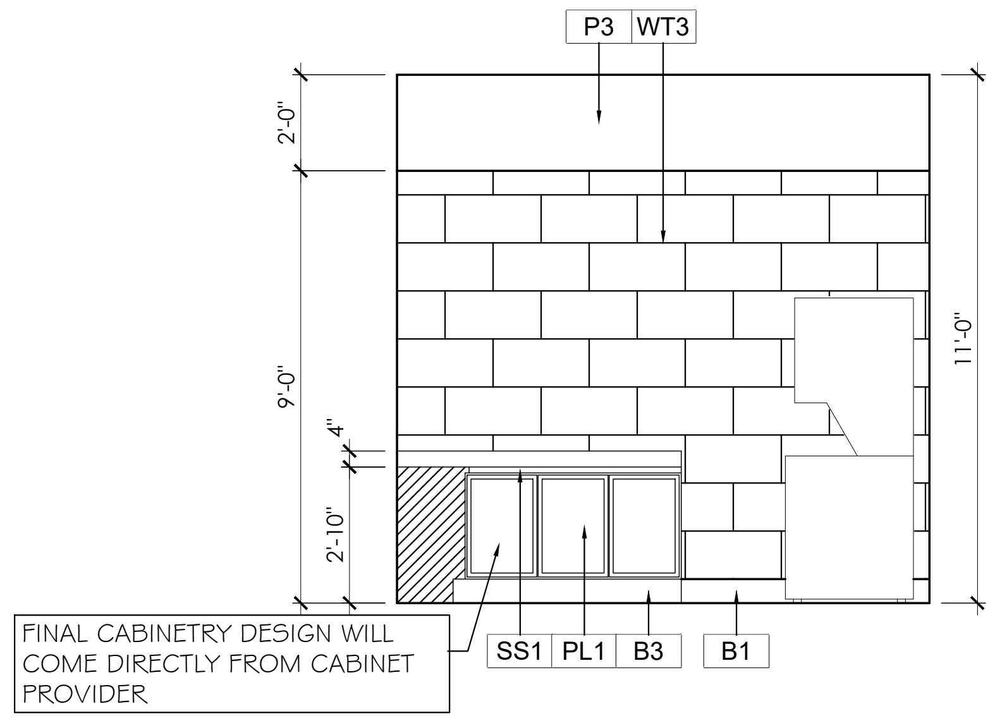
6 A-114 TYP. SHOWER ELEVATION
1/4" = 1'-0"



7 A-114 TYP. SHOWER ELEVATION
1/4" = 1'-0"



8 A-114 TYP. SHOWER ELEVATION
1/4" = 1'-0"



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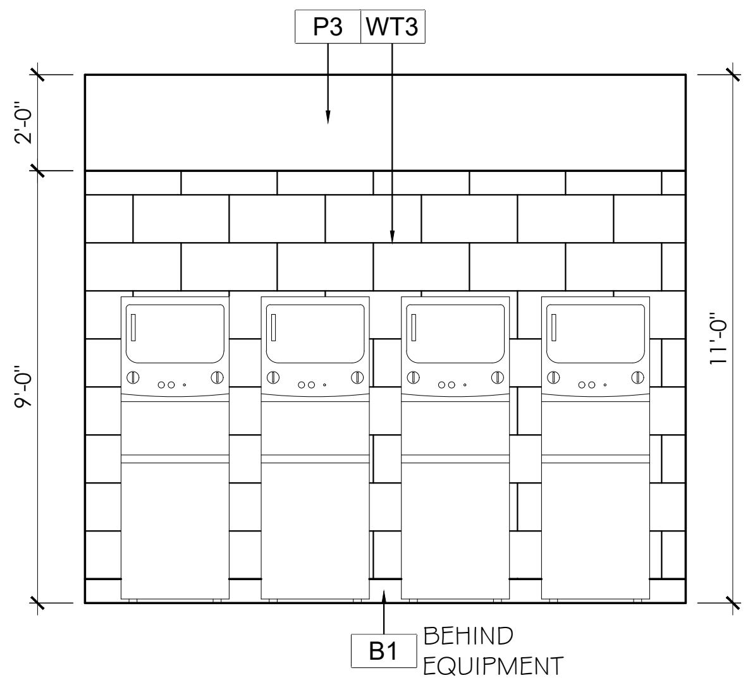
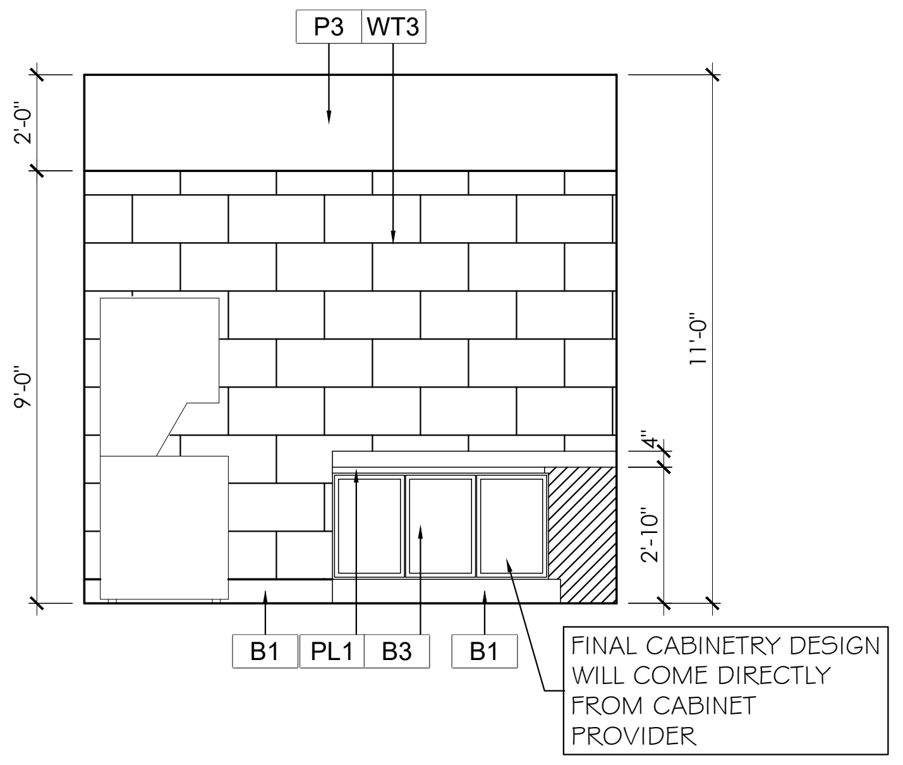
1 A-114 LAUNDRY ELEVATION
1/4" = 1'-0"

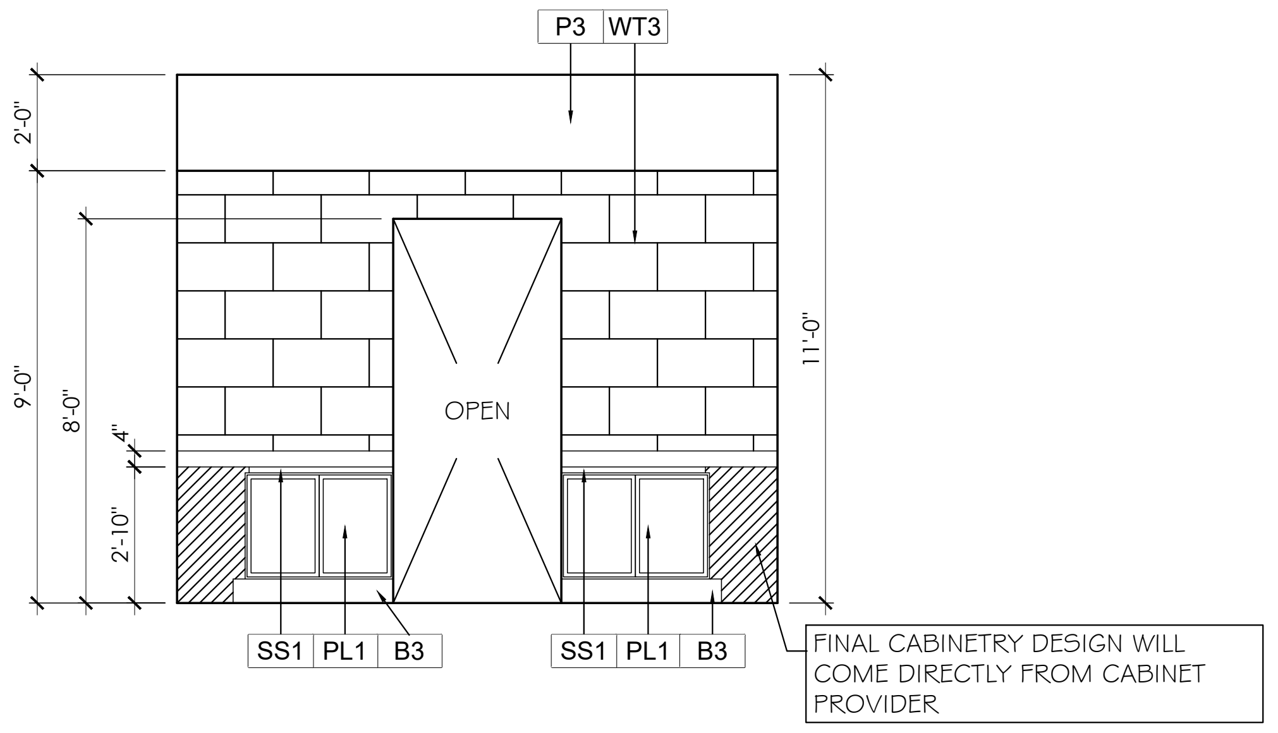


2 A-114 LAUNDRY ELEVATION
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

3 A-114 LAUNDRY ELEVATION
1/4" = 1'-0"



FINAL CABINETRY DESIGN WILL COME DIRECTLY FROM CABINET PROVIDER

4 A-114 LAUNDRY ELEVATION
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

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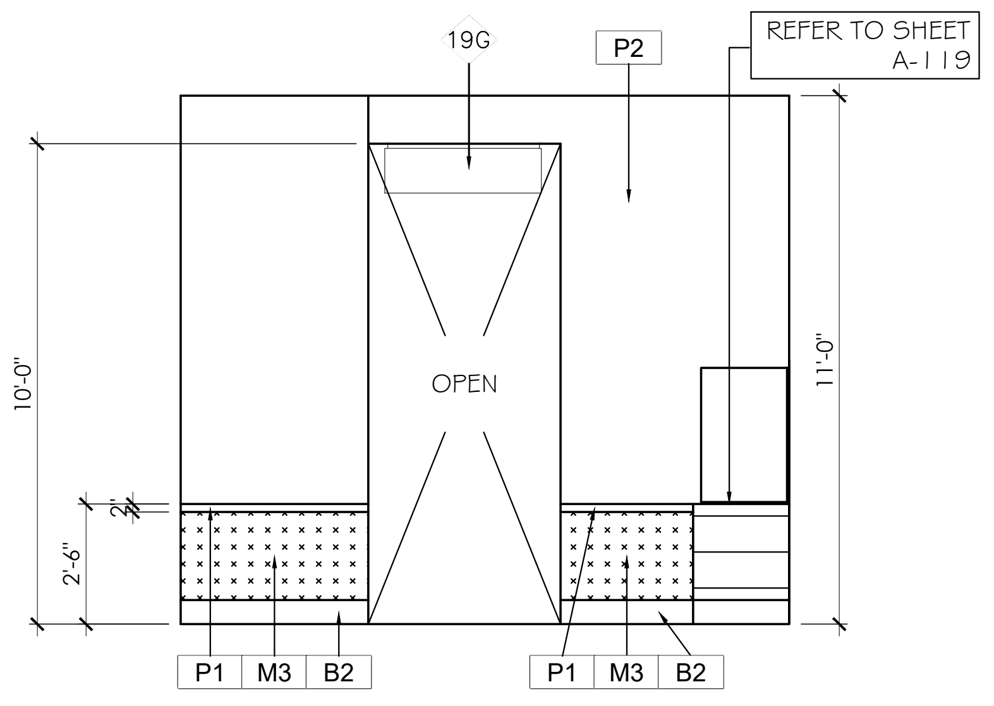
TRAVEL CENTER
TUCUMCARI, NM

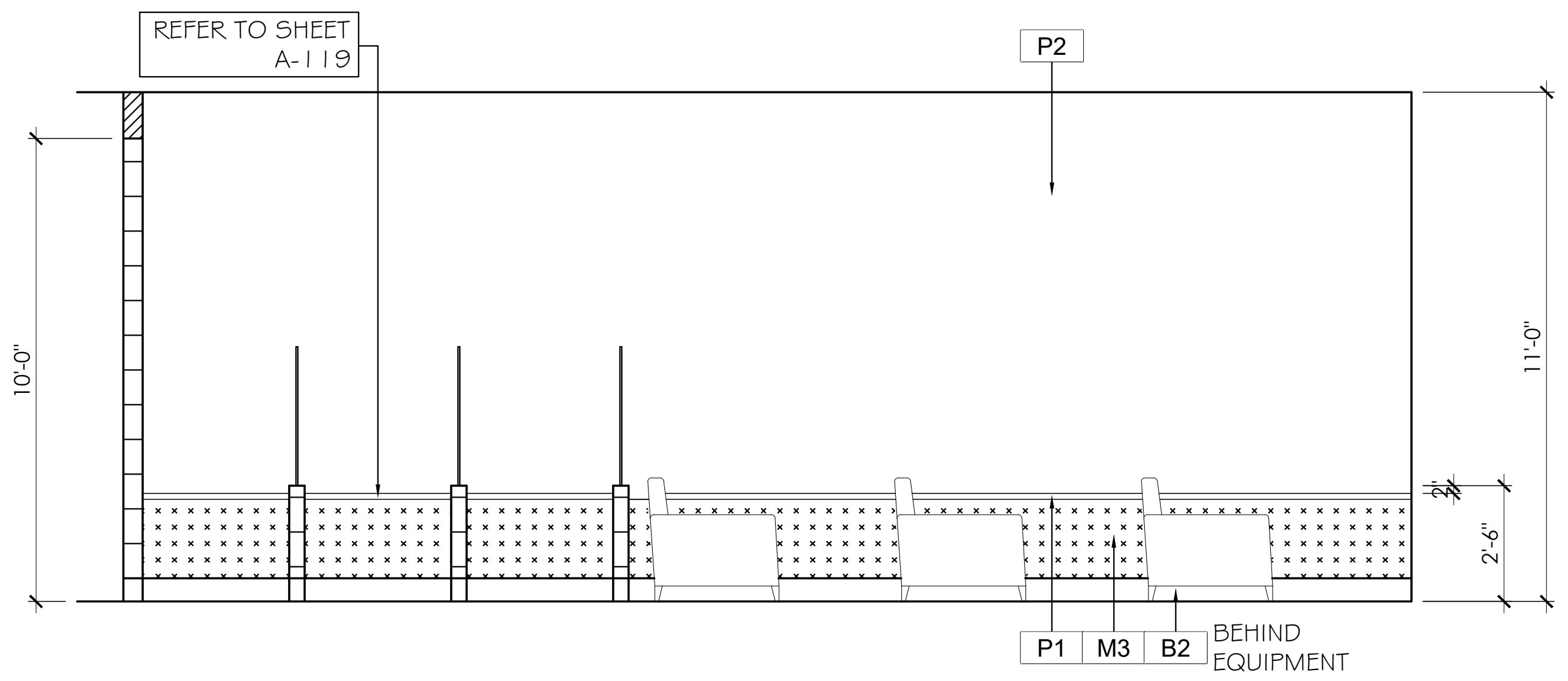
SHEET TITLE:
INTERIOR ELEVATIONS

PROJECT NO: 22057

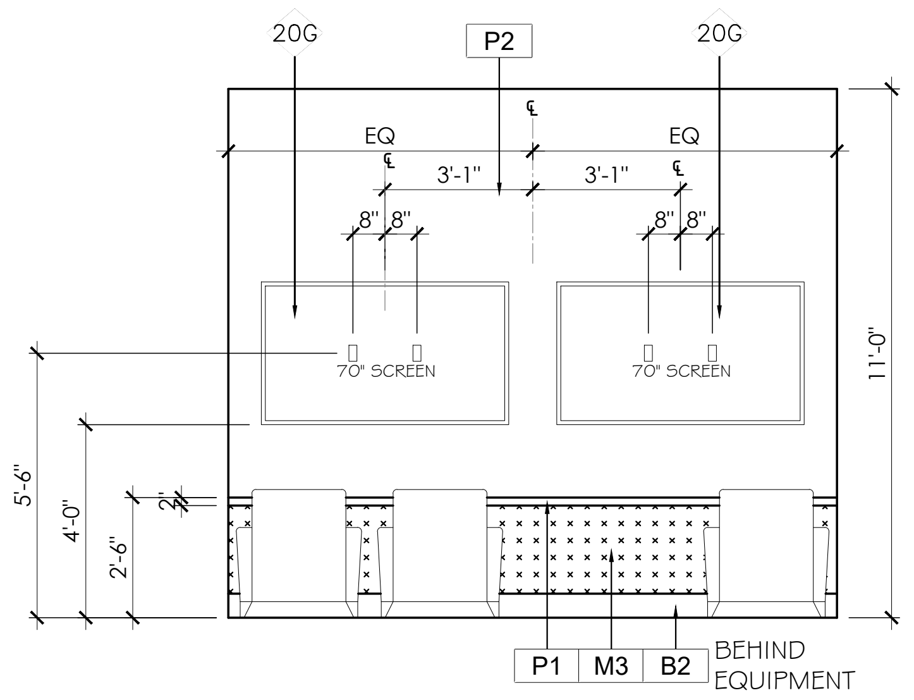
A114



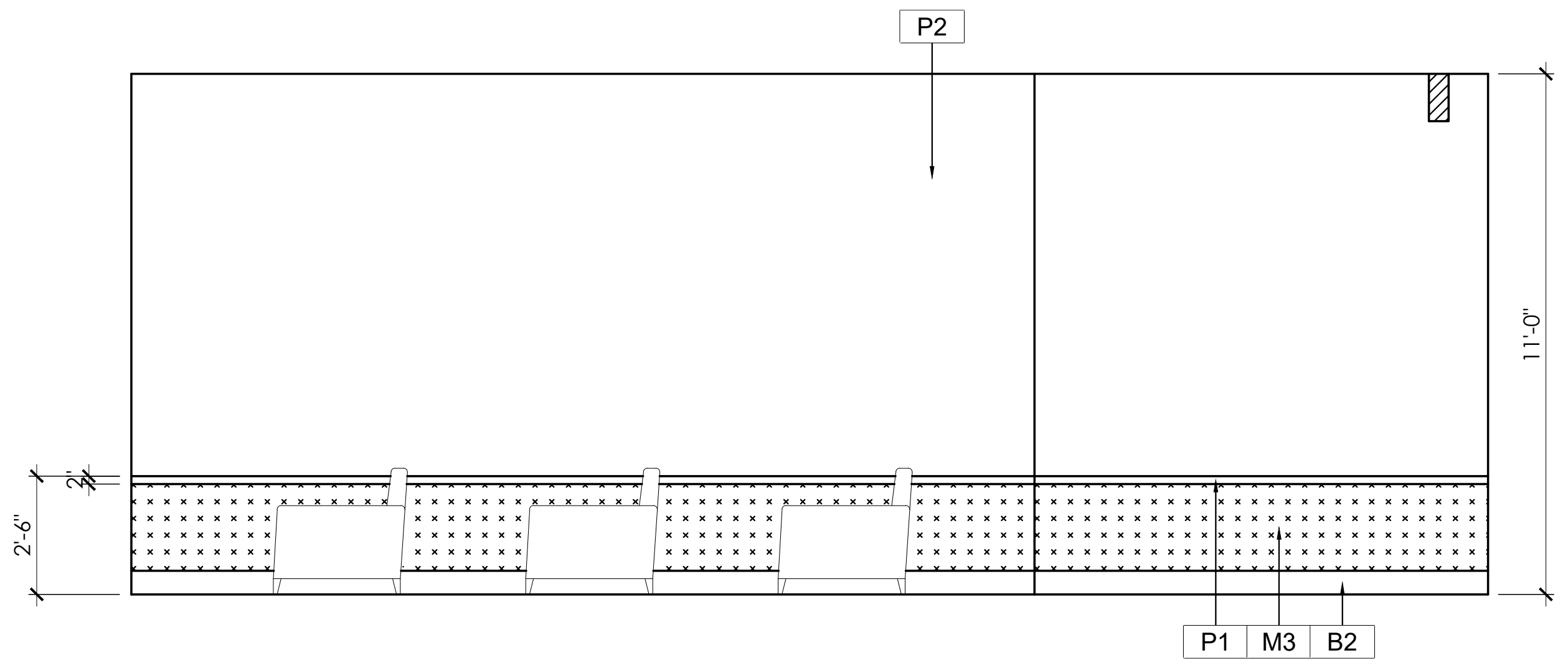
3 A-115 LOUNGE ELEVATION
1/4" = 1'-0"



4 A-115 LOUNGE ELEVATION
1/4" = 1'-0"



1 A-115 LOUNGE ELEVATION
1/4" = 1'-0"



2 A-115 LOUNGE ELEVATION
1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. REFER TO SHEET A-119 FOR ELEVATION DETAILS.

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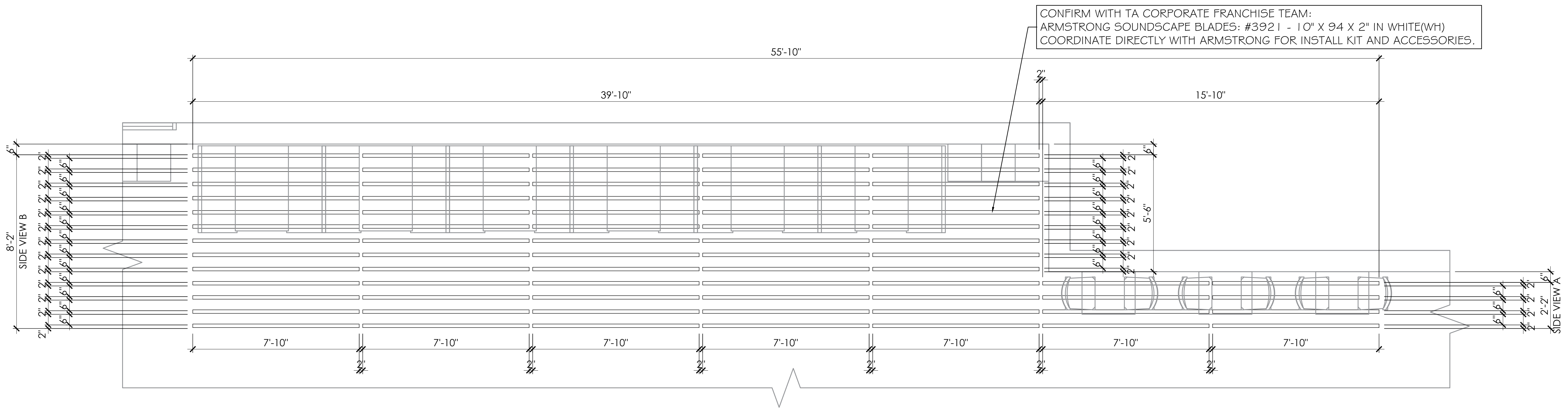
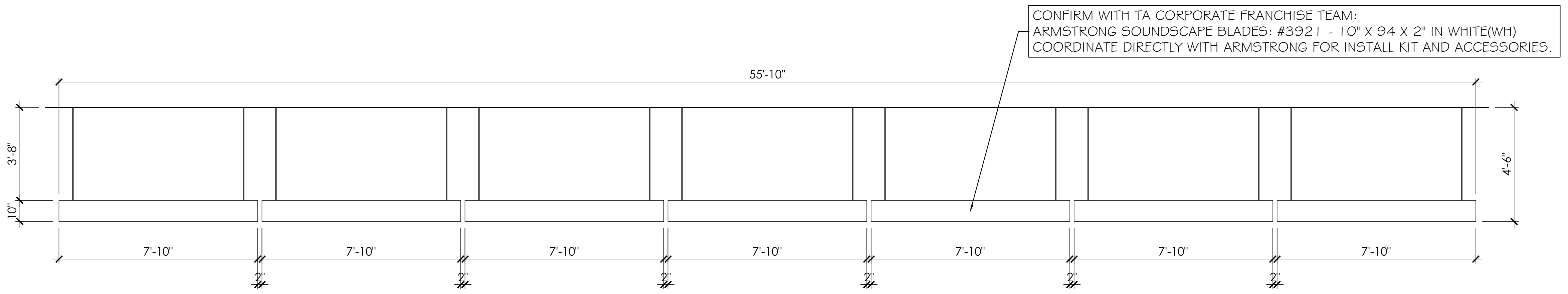
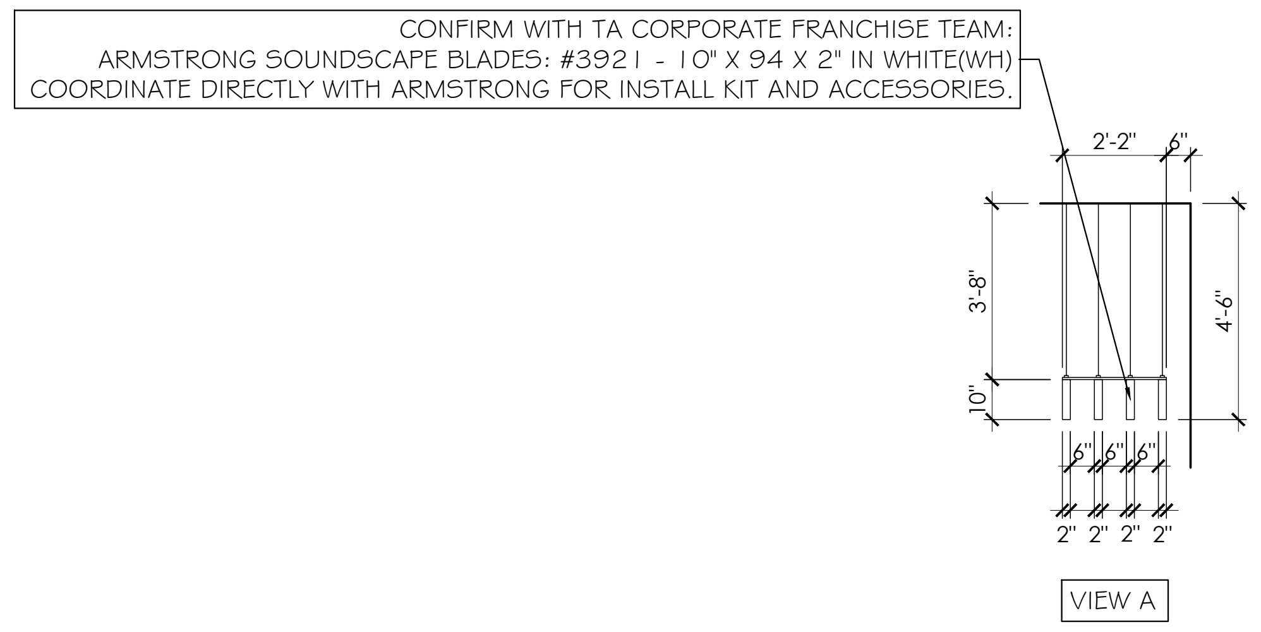

CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
55'-10"
39'-10"
15'-10"
8'-2"
SIDE VIEW B
5'-6"
2'-2"
SIDE VIEW A
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"

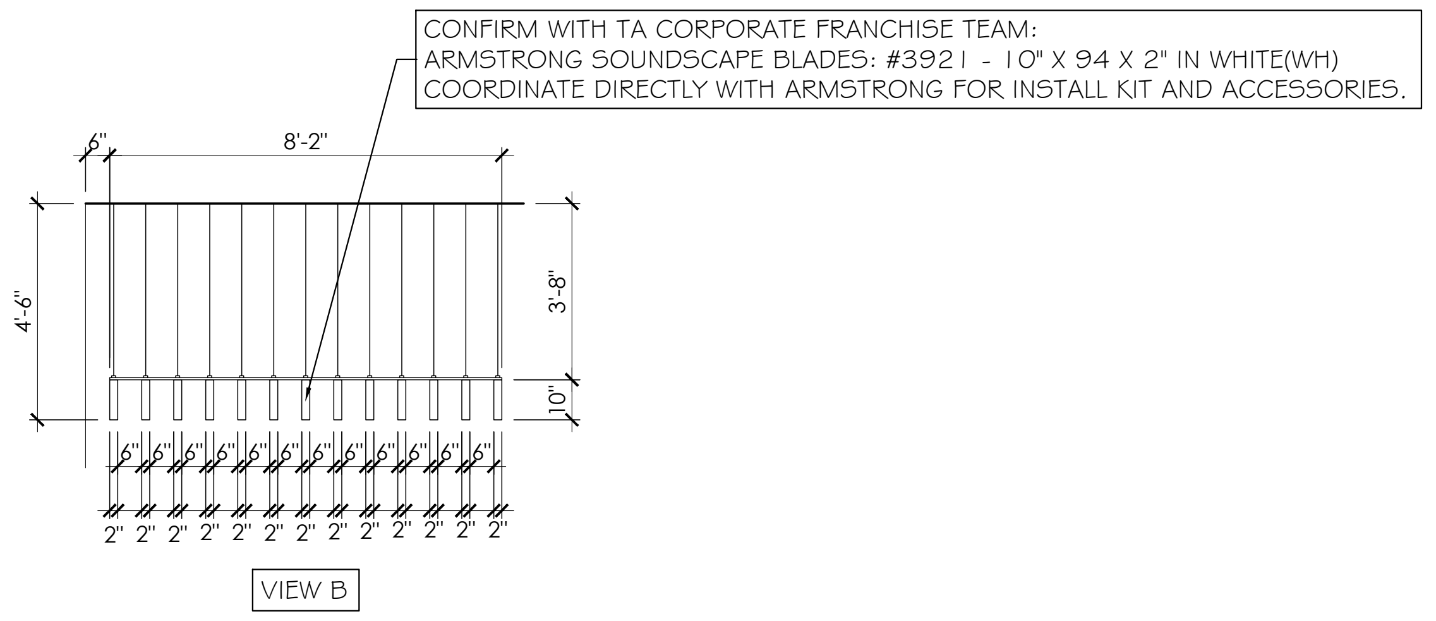
4 A-116 BOOTH/SEATING CEILING CLOUD PLAN VIEW
1/4" = 1'-0"


CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
55'-10"
3'-8"
10"
4'-6"
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"
7'-10"

3 A-116 BOOTH/SEATING CEILING CLOUD DETAIL
1/4" = 1'-0"


CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
2'-2"
6"
3'-8"
4'-6"
10"
2" 2" 2" 2"
VIEW A

1 A-116 BOOTH/SEATING CEILING CLOUD (SHORT END) DETAIL
1/4" = 1'-0"


CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
ARMSTRONG SOUNDSCAPE BLADES: #3921 - 10" X 94 X 2" IN WHITE(WH)
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.
6"
8'-2"
4'-6"
3'-8"
10"
2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2"
VIEW B

2 A-116 BOOTH/SEATING CEILING CLOUD (WIDE END) DETAIL
1/4" = 1'-0"

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
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A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:

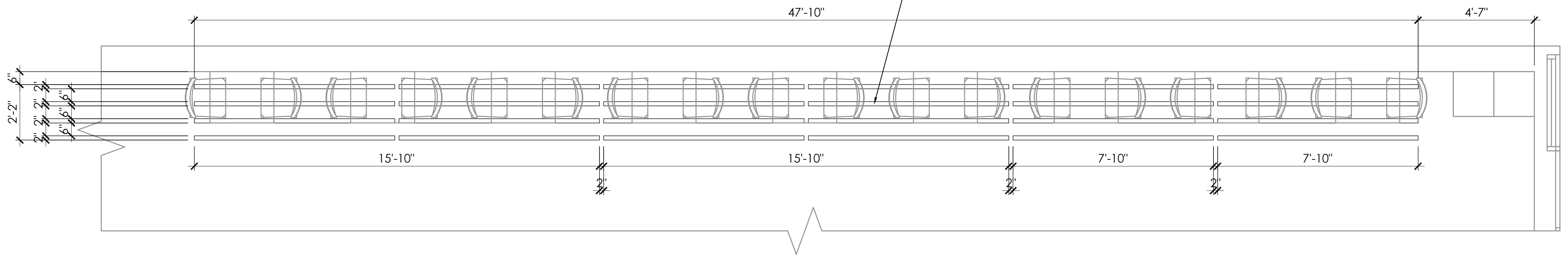
TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

INTERIOR ELEVATIONS

PROJECT NO: 22057

A116



CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
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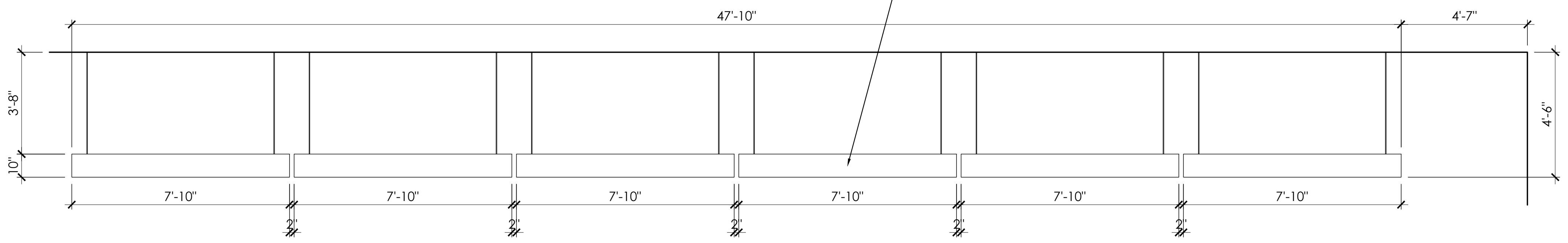
3 A-117 SEATING CEILING CLOUD (PLAN VIEW) DETAIL
1/4" = 1'-0"



CONFIRM WITH TA CORPORATE FRANCHISE TEAM:
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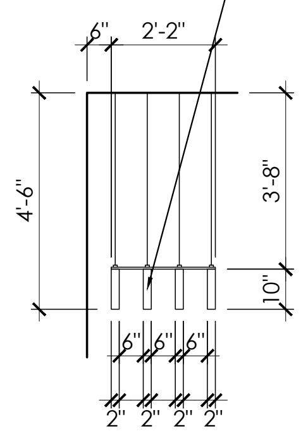
COORDINATE DIRECTLY WITH ARMSTRONG FOR INSTALL KIT AND ACCESSORIES.

2 A-117 SEATING CEILING CLOUD (FRONT VIEW) DETAIL
1/4" = 1'-0"



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1 A-117 SEATING CEILING CLOUD (SIDE VIEW) DETAIL
1/4" = 1'-0"

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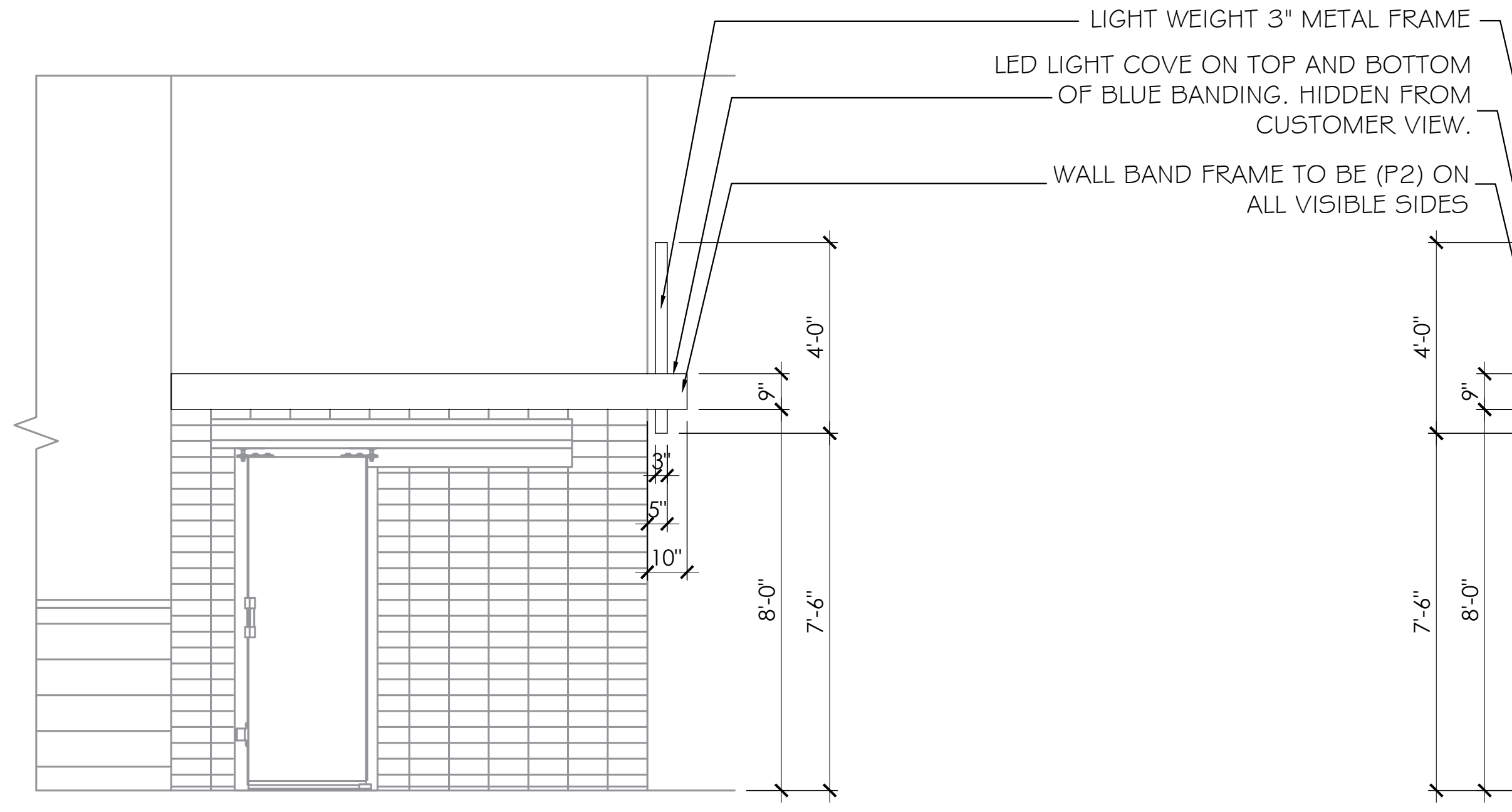
PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

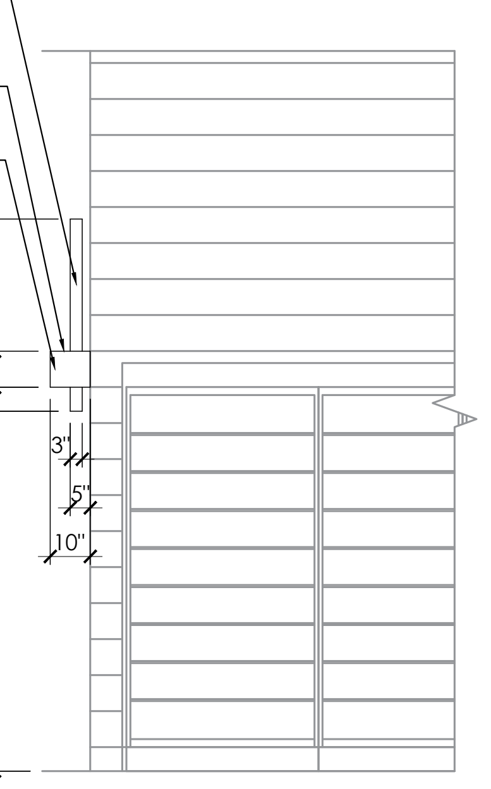
SHEET TITLE:
INTERIOR ELVATIONS

PROJECT NO: 22057

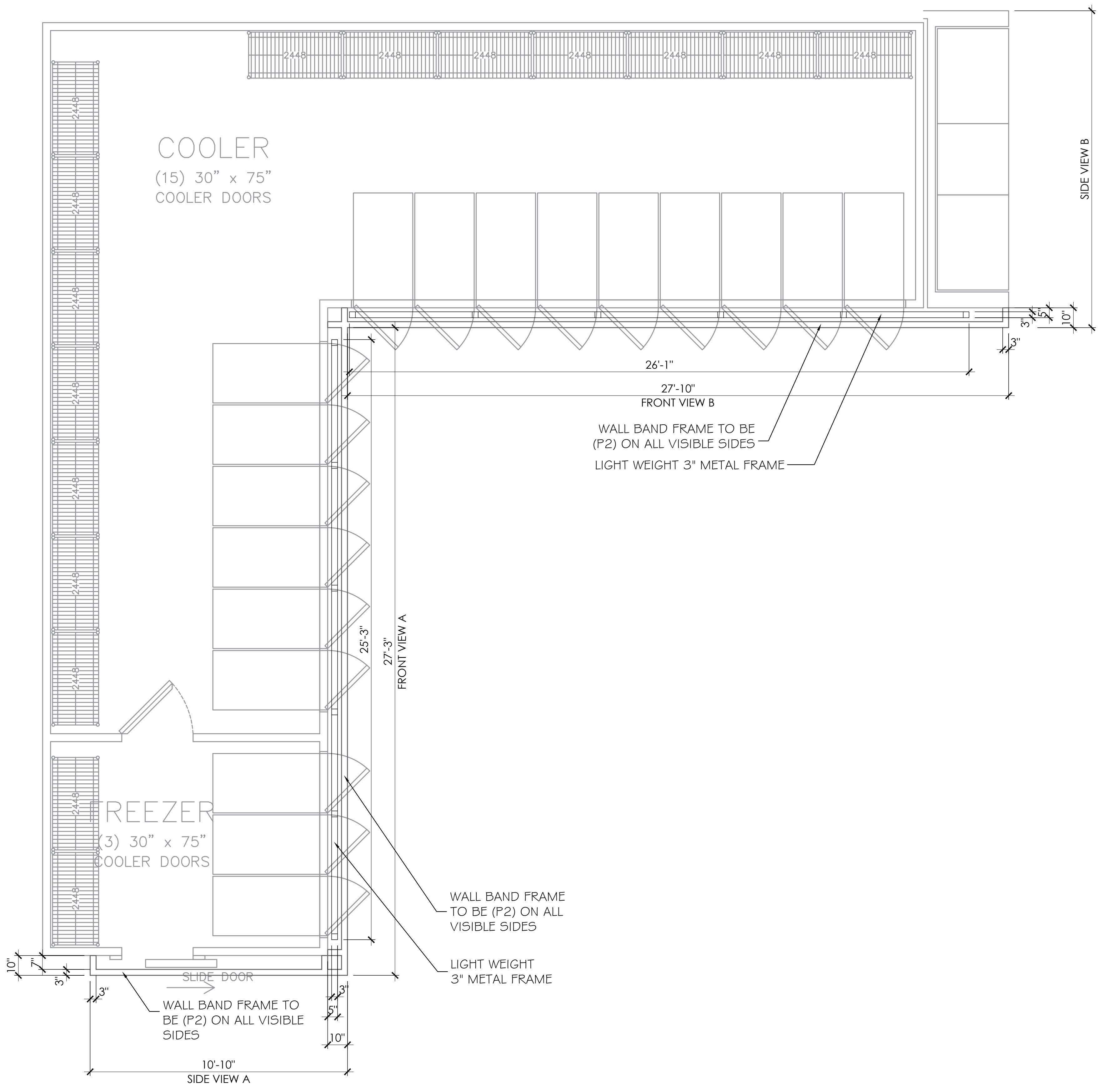
A117


LIGHT WEIGHT 3" METAL FRAME
LED LIGHT COVE ON TOP AND BOTTOM OF BLUE BANDING, HIDDEN FROM CUSTOMER VIEW.
WALL BAND FRAME TO BE (P2) ON ALL VISIBLE SIDES
4'-0"
9"
3"
10"
8'-0"
7'-6"

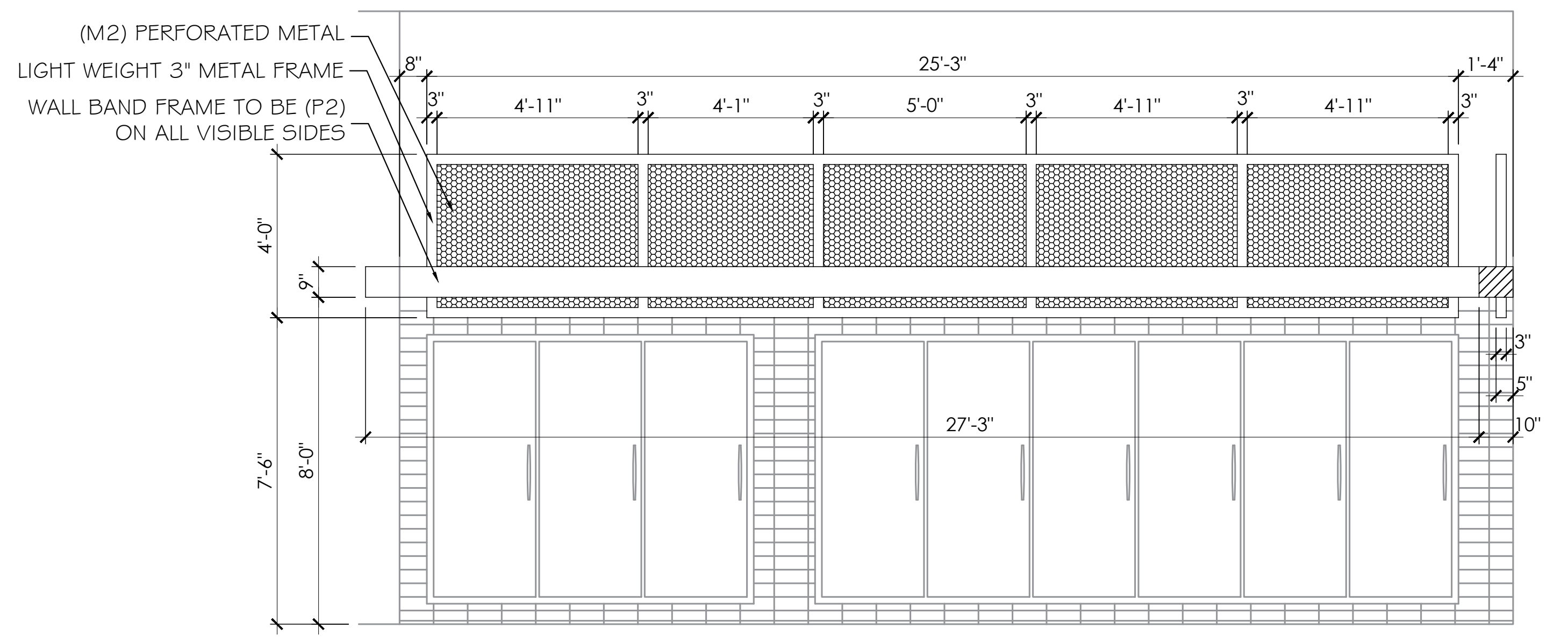
4 A-118 COOLER PANEL & BAND (SIDE VIEW A) DETAIL
1/4" = 1'-0"



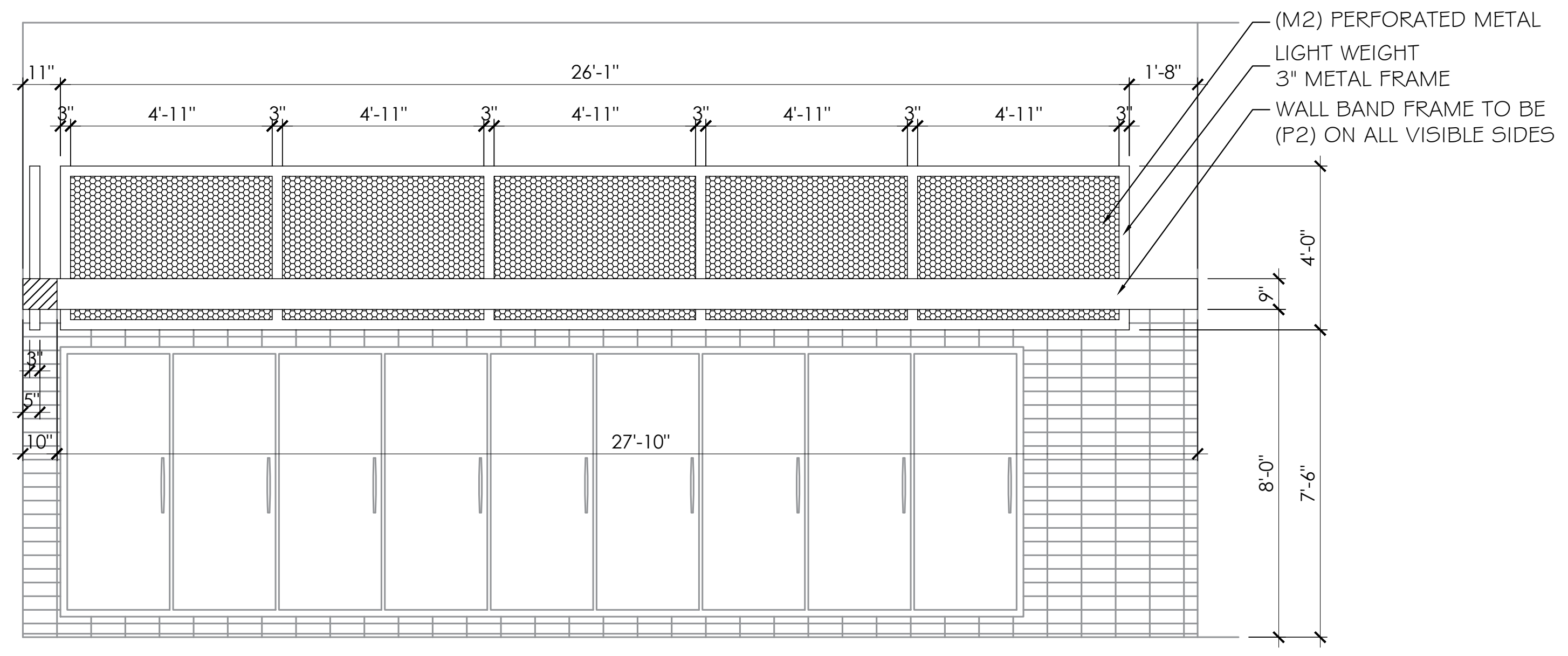
5 A-118 COOLER PANEL & BAND (SIDE VIEW B) DETAIL
1/4" = 1'-0"


COOLER
(15) 30" x 75" COOLER DOORS
FREEZER
(3) 30" x 75" COOLER DOORS
SIDE VIEW B
26'-1"
27'-10"
FRONT VIEW B
WALL BAND FRAME TO BE (P2) ON ALL VISIBLE SIDES
LIGHT WEIGHT 3" METAL FRAME
25'-3"
27'-3"
FRONT VIEW A
WALL BAND FRAME TO BE (P2) ON ALL VISIBLE SIDES
LIGHT WEIGHT 3" METAL FRAME
SLIDE DOOR
WALL BAND FRAME TO BE (P2) ON ALL VISIBLE SIDES
10'-10"
SIDE VIEW A
10"
3"

1 A-118 COOLER PANEL & BAND (PLAN VIEW) DETAIL
1/4" = 1'-0"



3 A-118 COOLER PANEL & BAND (FRONT VIEW A) DETAIL
1/4" = 1'-0"


(M2) PERFORATED METAL
LIGHT WEIGHT 3" METAL FRAME
WALL BAND FRAME TO BE (P2) ON ALL VISIBLE SIDES
11"
26'-1"
1'-8"
4'-11"
3"
4'-0"
9"
10"
27'-10"
8'-0"
7'-6"

2 A-118 COOLER PANEL & BAND (FRONT VIEW B) DETAIL
1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.
2. SPECS. & INSTALLATION BY MANUFACTURER

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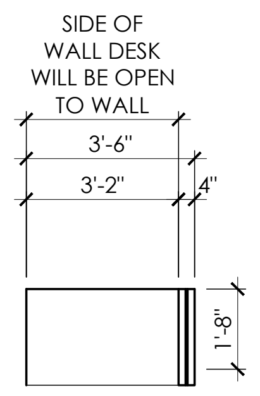
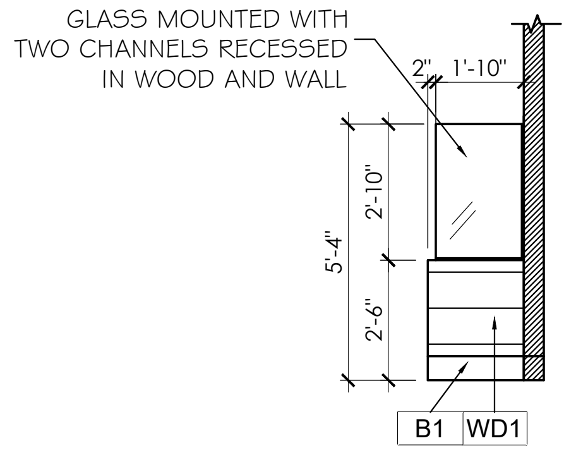
TA
TRAVEL CENTER
TUCUMCARI, NM

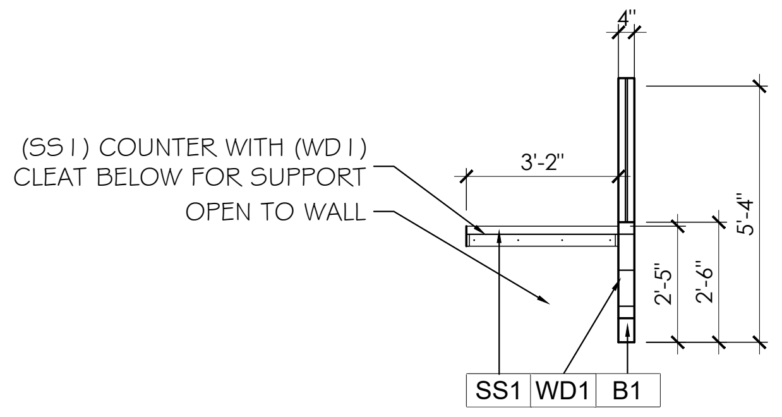
SHEET TITLE:
INTERIOR ELEVATIONS
COOLER'S PANELS

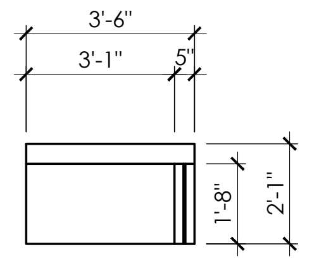
PROJECT NO: 22057

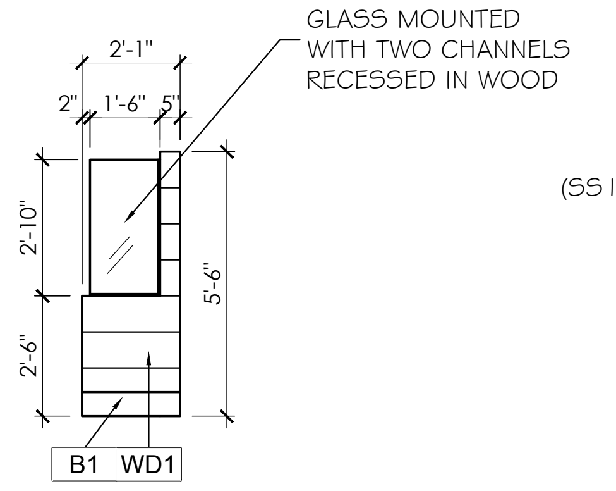
A118

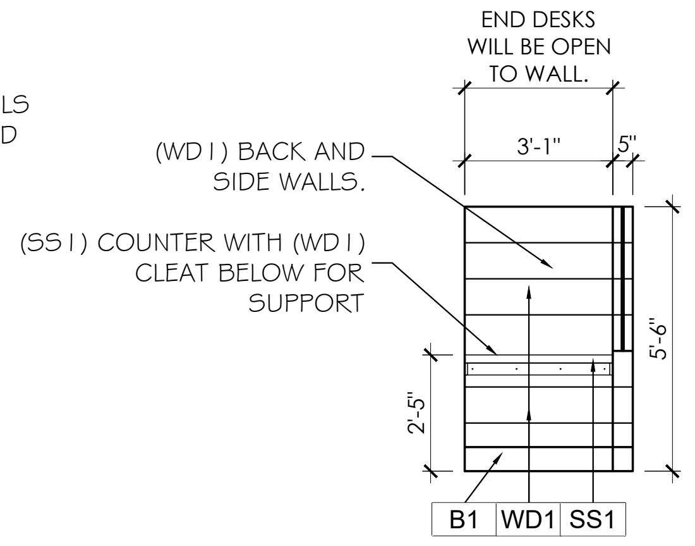












1 A-119 WALL DESK (PLAN VIEW) DETAIL
1/4" = 1'-0"

2 A-119 WALL DESK (END VIEW) DETAIL
1/4" = 1'-0"

3 A-119 WALL DESK (SIDE VIEW) DETAIL
1/4" = 1'-0"

4 A-119 WALL DESK (SIDE VIEW) DETAIL
1/4" = 1'-0"

5 A-119 CENTER DESK (END VIEW) DETAIL
1/4" = 1'-0"

6 A-119 CENTER DESK (END VIEW) DETAIL
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-120 FOR INTERIOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

STATE OF NEW MEXICO
THOMAS E. MORGAN, JR.
NO. 005323
REGISTERED ARCHITECT

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
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TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

INTERIOR ELEVATIONS

PROJECT NO: 22057

A119

C-STORE

3702 INTERIOR FINISH SCHEDULE

ID	DESCRIPTION	COLOR/FINISH	MANUFACTURER/CONTACT	LOCATION
P1	PRO INDUSTRIAL PRE-CATALYZED WATER BASED EPOXYK45-1150 SERIES - EGGSHELL FINISH	#SW7757 HIGH REFLECTIVE WHITE	SHERWIN WILLIAMS	C-STORE AND RESTROOMS - HIGH OPEN CEILINGS
P2	PRO INDUSTRIAL PRE-CATALYZED WATER BASED EPOXYK45-1150 SERIES - EGGSHELL FINISH	TA BLUE: CUSTOM COLOR MIX TO MATCH PMS 300C	SHERWIN WILLIAMS	COOLER RIBBON AND DRIVERS LOUNGE WALL ABOVE CHAIR RAIL
P3	PRO INDUSTRIAL PRE-CATALYZED WATER BASED EPOXYK45-1150 SERIES - EGGSHELL FINISH	#SW0055 LIGHT FRENCH GRAY	SHERWIN WILLIAMS	PAINT FOR CHAIR RAIL AND TRIM IN LAUNDRY
SS1	1/2" SOLID SURFACING WITH 2" EASED EDGE	ICE CAP	LIVINGSTONE	C-STORE CASHIER, BEVERAGE, FOOD COUNTERS
			LIVINGSTONESURFACES.COM 866.433.2229	
QU1	3CM PREMIUM NATURAL QUARTZ COUNTERS	SNOW WHITE	MILLEX	RESTROOM AND SHOWER VANITIES
		SILESTONE TYPE		
PL1	PLASTIC LAMINATE - STANDARD HPL FINISH	#7939 BLOND ECHO	WILSONART	CAP FIXTURES CASEWORK
			LISA PORTILLO 214.634.2310	
WD1	PANELS	WHITE OAK WOOD VENEER RIFT CUT	SOURCED BY GENERAL CONTRACTOR	WALLS AND CASH WRAP CEILING
	*TO BE USED FOR WALL AND CEILING APPLICATION.			
M1	PREFINISHED WALL PANELING	VEE-PANEL		ENTRANCE VESTIBULES 1, 2, 3 - WRAP AROUND OUTSIDE WALLS AND LINE INSIDE WALLS
	GALVALUME SHEET IS PRODUCED ACCORDING TO ASTM SPECIFICATION A792/A792M-97A STEEL SHEET, 55% ALUMINUM ZINC ALLOY-COATED BY THE HOT DIP PROCESS WITH CLEAR FLOROPON COATING	COLOR: MILL FINISH	CROWTHER ROOFING AND SHEET METAL 239.337.1300	
M2	PERFORATED METAL - SQUARE LATTICE WITH 3" MILL FINISH ALUMINUM FRAME	PERFORATED METAL, DESIGNER PERFORATED, SQUARE, LATTICE 0853, ALUMINUM, ALLOY 3003-H14, MILL FINISH, .1250" THICK (8 GAUGE), 1/2" SQUARE ON 11/16" STRAIGHT CENTERS, 3/16" BAR WIDTH, 2.12 HOLES PER SQUARE INCH (HPSI), 53% OPEN AREA #1787001241 - 48" x 120"	MCNICHOLS	ABOVE REACH IN COOLER DOORS
			MCNICHOLS.COM 877.219.5209	
M3	DIAMOND PLATE METAL WALL PANELS	DESIGNER TEXTURED, TREADTEX® 1400, ALUMINUM 48" x 96" SHEET	MCNICHOLS or MONARCH METAL EQUAL	LOUNGE WALLS
			MCNICHOLS.COM 877.219.5209	
WP1	WETWALL WALL PANEL	LEGACY ASH	WETWALL (WILSONART)	SHOWERS - LEAD INTO SHOWER WALL AND INSIDE OF SHOWER WALLS
			LISA PORTILLO 214.634.2310	
WP2	WETWALL WALL PANEL	TORRONE MARBLE	WETWALL (WILSONART)	SHOWERS - WALLS WRAPPING AROUND TOILET AND SINK AREA
			LISA PORTILLO 214.634.2310	
WT1	MARLITE FRP PANELS	SYMMETRIX W/ SANI-COAT; 4'X4' SMARTSEAM WHITE SUBWAY	MARLITE	CSTORE WALLS
		FRP; COLOR: WHITE; FINISH: SS100 G63-R1		
WT2	2 X 4 GLASS TILE	2" X 4" ULTRA ONE BLUE GLOSSY	CREATIVE MATERIALS	PUBLIC RESTROOMS AT VANITY
	WALL TILE - RUNNING BOND INSTALLATION	LATICRETE #44 BRIGHT WHITE GROUT (1/8" LINES)	DEIRDRE SCHUTH 518.713.5384	
WT3	12 X 24 PORCELAIN TILE	AFFINITY CALLACATTA	CREATIVE MATERIALS	RESTROOMS; LAUNDRY
	WALL TILE - STACKED BOND INSTALLATION	LATICRETE #90 LIGHT PEWTER GROUT (1/8" LINES)	DEIRDRE SCHUTH 518.713.5384	
B1	6" X 12" PORCELAIN TILE COVE BASE	TEC ARTE COVE BASE; COLOR: NE GRAY	TEC ARTE	TILE WALLS / TILE FLOORS
		#60 DUSTY GREY	LATICRETE SPECTRALOCK PRO Premium Grout	
B2	6" VINYL COVE BASE	BLACK MATTE	JOHNSONITE	LOUNGE ONLY: TILE WALLS / TILE FLOORS
B3	HPL 0.028" VGP LAMINATE	BLACK MATTE #1595-60	WILSONART	ONLY ON CABINETRY PROVIDED BY CAP FIXTURES
			LISA PORTILLO 214.634.2310	
B4	6" EPOXY COVE	MALIBU BEACH	EVERLAST EPOXY	SHOWERS COVE
			WWW.EVERLASTEPOXY.COM	
TR1	4" STAINED WOOD TRIM	STAINED TO MATCH OAK PANELS (WD1)	LOCAL WOOD SUPPLIER	CAP ABOVE WD1 WAINSCOT
		WHITE OAK WOOD	SOURCED BY GENERAL CONTRACTOR	
TR2	3/8" RADIUS METAL COVE WALL BASE	#DESIGNLINE PROFILE IN #ANODIZED ALUMINUM	SCHLUTER SYSTEMS (THRU FLORIDA TILE)	TILE WALLS
			SPRING MARSALIS 469.340.8868	
BT1	CUSTOM BOOTH	#BS-CB255-48S-0001 ; PIERCE 2, CUSTOM LENGTH SINGLE DOWN MEAL FRAME	CASABLANCA DESIGN	CONFIRM BOOTH DIMENSIONS BEFORE ORDERING
		BOOTH WITH BOLT; UPHOLSTERED BACK AND SEAT PAD	MARK WIRZ 770.778.1426	
		SEAT AND BACK PAD: NEW SOHO VINYL - #VNS-033 SKY BLUE		
		BACK PAD PANEL: BLACK MELAMINE; PANEL EDGEBAND: 2MM		
		BLACK PVC; METAL FRAME: CHROME II W/CC		
F1	8 X 48 PLANK PORCELAIN TILE ; 1/3 OFFSET	MERONA PLANK TILE; COLOR: GREY-MR-43	TEC ARTE	CSTORE FLOORING
	TILE GROUT	#60 DUSTY GREY	LATICRETE SPECTRALOCK PRO Premium Grout	
F2	EPOXY WITH 6" EPOXY COVE	MALIBU BEACH	EVERLAST EPOXY	SHOWERS FLOORING
			WWW.EVERLASTEPOXY.COM	
F3	EPOXY WITH 6" EPOXY COVE	GRANITE GRAY	EVERLAST EPOXY	KITCHEN/PREP/COOLER FLOORS/BOH
			WWW.EVERLASTEPOXY.COM	
F4	50CM X 50CM CARPET TILE	CLOUD COVER; COLOR: SMOKY RIDGE 105717	INTERFACE	LOUNGE ONLY
	NON DIRECTIONAL			

C-STORE

INTERIOR FINISHES SCHEDULE

ID	DESCRIPTION	TYPE/COLOR	MANUFACTURER/CONTACT
B1	6 x 12 TILE COVE WALL BASE	MODERN CONCRETE - GREY	CREATIVE MATERIALS REP: DEIDRE SCHUTH
		LATICRETE - SMOKE GREY #89 (1/8" LINES)	DSCHUTH@CREATIVEMATERIALSCORP.COM 518.713.5384
B2	3/8" METAL COVE WALL BASE	#DILEX-AHK PROFILE PROFILE IN #SATIN ANODIZED ALUMINUM	SCHLUTER SYSTEMS (THRU FLORIDA TILE)
			SPRING MARSALIS 469.340.8868
P3	EGGSHELL FINISH INTERIOR LATEX WALL PAINT	PAINT TO MATCH (PL5)	SHERWIN WILLIAMS
	PAINT MIX TBD BY SUBSTRATE		ASHLYNN BOURQUE 214.553.3944
PL3	PLASTIC LAMINATE - DECOMETAL FINISH	BRITE BRUSHED NATURAL ALUMINUM #6256	WILSONART
			LISA PORTILLO 214.634.2310
PL4	PLASTIC LAMINATE - MATTE FINISH	GRAPHITE #837-58	FORMICA REP: SCOTT BRANDT (DAKOTA HARDWOODS)
			SCOTT@DAKOTAHARDWOODS.COM 972.904.6654
WT6	12 X 24 COLORBODY PORCELAIN TILE	CASTING - BEIGE	CREATIVE MATERIALS REP: DEIDRE SCHUTH
	WALL TILE - HORIZONTAL STACKED BOND INSTALLATION	LATICRETE - SMOKE GREY #89 (1/8" LINES)	DSCHUTH@CREATIVEMATERIALSCORP.COM 518.713.5384
WT7	8 X 36 COLORBODY PORCELAIN TILE	FEARLESS - TOFFEE	CREATIVE MATERIALS REP: DEIDRE SCHUTH
	HERRINGBONE INSTALLATION	LATICRETE - RAVEN #45 GROUT (1/16" LINES)	DSCHUTH@CREATIVEMATERIALSCORP.COM 518.713.5384

INTERIOR FINISH GENERAL NOTES

1	ROUTE ALL ELECTRICAL COMPONENTS TO DECORATIVE LIGHTING OUT OF CUSTOMER'S VIEW, IF APPLICABLE.
2	SCHLUTER STAINLESS STEEL CORNER GUARDS USED ON ALL HIGH TRAFFIC WALLS.
3	SCHLUTER ECK-K STAINLESS STEEL EDGING PROFILE FOR OUTSIDE CORNERS OF ALL TILED WALLS.
4	USE ALUMINUM KICK PLATES ON BOTH THE INSIDE AND OUTSIDE OF RESTROOM DOORS, IF APPLICABLE.
5	ALL FIXTURES ON DOORS AND JAMBS TO BE SATIN BRUSHED ALUMINUM UNLESS OTHERWISE SPECIFIED.
6	MAIN SALES CABINET TO BE FINISHED IN (PL1) ON EMPLOYEE SERVICE SIDE AND SUPPORT AREAS.
7	FINAL DETAILS OF ALL CABINETRY COORDINATED BETWEEN OWNER AND/OR GC AND MILLWORK OR METAL CABINET FABRICATOR.
8	ALL WALLS THAT ARE NOT DRYWALL (INCLUDING BUT NOT LIMITED TO TILE, WOOD, MASONRY, ECT.) TO BE REINFORCED WITH M-R BOARD BEHIND WALL FINISHES.
9	ALL TILE GROUT TO HAVE CLEAR SEALANT (GROUT COLORS SPECIFIED ON FINISH SCHEDULE.)
10	ALL B.O.H. WALLS TBD BY OWNER AND/OR FOOD SERVICE PROGRAM, IF APPLICABLE.
11	MANAGER OFFICE WALLS PAINTED (P1) WITH (B1) AND (PL1) MILLWORK WITH (QU1/SS1) COUNTERTOPS, IF APPLICABLE.
12	DIGITAL SCREENS/MENU BOARD SIZES, MAKES, MODELS, QUANTITY, MOUNTING HEIGHTS, ETC. TO BE VERIFIED BY OWNER AND/OR FOOD SERVICE PROGRAM PRIOR TO PURCHASE AND INSTALLATION, IF APPLICABLE.
13	REFERENCE COLORED INTERIOR RENDERINGS IF AVAILABLE FOR OVERALL APPEARANCE OF MATERIAL PLACEMENT.

ARCHITECT OF RECORD:

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TUCUMCARI, NM

SHEET TITLE:
INTERIOR FINISH SCHEDULE

PROJECT NO: 22057

A120

WENDY'S - FINISH SCHEDULE

CODE	MATERIAL	DESCRIPTION PRODUCT	 FINISH / COLOR	 DIMENSION	MANUFACTURER REPRESENTATIVE CONTACT INFORMATION	NOTES
FLOORS						
FT-4	FLOOR TILE	CROSSVILLE; CROSS-TREAD (CTS) R001 "GREY MINGLE"	SIZE: 8" x 8" GROUT: GR-5 MORTAR: MR-1 WATERPROOFING: WM-1; EXTEND 6" UP & 6" OUT PERIMETER WALLS AND UNDER FULL EXTENT OF MOP SINK JOINTS: 1/8"	8" X 8"	COMPANY: CROSSVILLE CERAMICS ORDERING: HAINES, JONES AND CADBURY (HJC)	-
WALL BASE						
W-B4	TILE COVE BASE (KITCHEN)	CROSSVILLE; COVE BASE; R001 "GREY MINGLE"; CROSS SHEEN FINISH	SIZE: 6" x 8"; PROVIDE COVE BASE CORNERS, LEFT, RIGHT, AND INSIDE AS REQUIRED GROUT: GR-5 MORTAR: MR-1 WATERPROOFING: WM-1; EXTEND 6" UP & 6" OUT PERIMETER WALLS JOINTS: 1/8"	8" X 8"	COMPANY: CROSSVILLE CERAMICS ORDERING: HAINES, JONES AND CADBURY (HJC)	
W-B5	TILE BASE (FRONT COUNTER)	CROSSVILLE; BASE; COLOR BLOX 2.0; "I SEE THE MOON"	SIZE: 6" x 8"; PROVIDE COVE BASE CORNERS, LEFT, RIGHT, AND INSIDE AS REQUIRED GROUT: GR-5 MORTAR: MR-1 WATERPROOFING: WM-1; EXTEND 6" UP & 6" OUT PERIMETER WALLS JOINTS: 1/8"	6" X 8"	COMPANY: CROSSVILLE CERAMICS ORDERING: HAINES, JONES AND CADBURY (HJC)	
WALLS						
W-P1	PAINT (CEILING)	WHITE FLAT	COLOR: "EXTRA WHITE" SW 7006 FINISH: FLAT	-	SHERWIN WILLIAMS	
FRP-1	FRP (BACK OF HOUSE)	MARLITE; ENVUE FRP; CLASS C	SIZE: 4' x 9' FINISH: PEBBLED; WHITE TRIM: WHITE PVC (STANDARD TRIM PROFILES TO MATCH)	4' X 9'	ORDERING: HJC - REFER TO CONSOLIDATOR	
WC-8	WOOD PLANK WALLCOVERING	HAVWOODS PLANK; NEUTRO; HW16401	THICKNESS: 10MM (3/8") WIDTH: 120MM (4 3/4") LENGTH: 800-1400 MM (31 1/2"-55 1/8") GRADE: SELECT TRIM (HORIZONTAL & VERTICAL): SCHLUTER "QUADEC" PVC; COLOR: LIGHT BEIGE (CP-10)	W: 120MM (4 3/4") LENGTH: 800-1400 MM (31 1/2"-55 1/8")	HAVWOODS JENNAE EVANS 347-523-8930	
WT-9	WALL TILE (GLOBAL; HALLWAY)	CROSSVILLE; "CHARRED" (SWSF/.10412UPS)	SIZE: 4" x 12" PATTERN: RUNNING BOND GROUT: GR-11 MORTAR: MR-1 JOINTS: 1/8" TRIM: SCHLUTER; QUADEC (DARK BRONZE ANOD. ALUM.)	4" X 12"	COMPANY: CROSSVILLE CERAMICS ORDERING: HAINES, JONES AND CADBURY (HJC)	
CP-8	CORNER PROTECTION (BACK OF HOUSE)	STAINLESS STEEL CORNER GUARD	SIZE: 2" X 2" WITH 1/4" OR 3/8" SLIGHT BEND TOWARDS WALL AT EACH LEG MATERIAL: MIN 18GA; TYPE 304 #4 SATIN STAINLESS STEEL NOTE: INSTALL WITH "TIGHTBOND PROVANTAGE" HEAVY DUTY CONSTRUCTION ADHESIVE (OR APPROVED EQUAL)	2" X 2"	ORDERING: HAINES, JONES AND CADBURY (HJC)	
GROUT, MORTAR, WATERPROOFING MEMBRANE						
GR-5	GROUT	GROUT Kerapoxy IEG CQ	COLOR: "CHARCOAL" - #47 JOINTS: 1/8"	-	LATICRETE ORDERING: HAINES, JONES AND CADBURY (HJC)	
GR-11	GROUT	GROUT MAPEI; UITRA COLOR PLUS FA (25 LB)	COLOR: "BLACK" - #10 JOINTS: 1/8"	-	LATICRETE ORDERING: HAINES, JONES AND CADBURY (HJC)	
MR-1	MORTAR	MAPEI; KERAFLEX SUPER (44 LBS)		-	LATICRETE ORDERING: HAINES, JONES AND CADBURY (HJC)	
WM-1	WATERPROOFING MEMBRANE	MAPEI; MAPELASTIC AQUADEFENCE 5 GALLON (01968)		-	LATICRETE ORDERING: HAINES, JONES AND CADBURY (HJC)	
CEILING						
CT-1	CEILING TILE (KITCHEN / FOOD PREP AREAS)	ARMSTRONG VINYLCLAD SQUARE LAY-IN	BP670: 24" x 48" x 1/2" COLOR: WHITE GRID: PRELUDE 15/16"; WHITE	24" x 48" x 1/2"	ARMSTRONG ORDERING: HAINES, JONES AND CADBURY (HJC)	
CT-4	CEILING TILE (SERVING AREA)	ARMSTRONG VINYLCLAD SQUARE LAY-IN	BP671: 24" x 24" x 1/2" COLOR: WHITE GRID: PRELUDE 15/16"; WHITE	24" x 24" x 1/2"	ARMSTRONG ORDERING: HAINES, JONES AND CADBURY (HJC)	
CT-5	CEILING TILE (KITCHEN FRYER AREA; WASHABLE NON-COMBUSTIBLE)	ARMSTRONG CERAMAGUARD	605: 24" x 48" x 5/8" COLOR: WHITE GRID: PRELUDE 15/16"; WHITE SURFACE FINISH: SCRUBBABLE FACTORY-APPLIED PAINT FINISH (WITHIN 18" OF GREASE HOODS ONLY, WHERE NON-COMBUSTABLE MATERIALS ARE REQUIRED)	24" x 48" x 5/8"	ARMSTRONG ORDERING: HAINES, JONES AND CADBURY (HJC)	
SOLID SURFACE						
SS-4	SOLID SURFACE	CORIAN COUNTERTOP	T.B.D. BY WENDY'S	-	-	

SBARRO - FINISH SCHEDULE

CODE	MATERIAL	DESCRIPTION PRODUCT	 FINISH / COLOR	 DIMENSION	MANUFACTURER REPRESENTATIVE CONTACT INFORMATION	NOTES
FLOORS						
F5	QUARRY TILE (BACK OF HOUSE)	DALTILE - Arid Gray 6" x 6"	ARID GRAY SIZE:6" x 6" GROUT JOINT RECOMENDATION 3/8 "	6" X6"	COMPANY: DALTILE Contact: Lynda Gundling Architectural Representative P: 740.815.3693 E: lynda.gundling@daltile.com	-
F6	FLOOR TILE (FRONT OF HOUSE)	DALTILE - Arid Gray 12" x 24"	:INTENSITY PEBBL VL70 SIZE:12" x 24" GROUT JOINT RECOMENDATION 3/16 "	12" X 24"	COMPANY: DALTILE Contact: Lynda Gundling Architectural Representative P: 740.815.3693 E: lynda.gundling@daltile.com	
WALL BASE						
S.W-B1						
WALLS						
S.P-1	PAINT	BENJAMIN MOORE	RUBY RED 2001-10		BENJAMIN MOORE	
S.P-2	PAINT	BENJAMIN MOORE	SNOWFALL WHITE OC-118		BENJAMIN MOORE	
S.W-1	WALL TILE	WHITE SUBWAY CERAMIC TILE	THICKNESS: 7MM FINISH: GLOSSY GROUT/JOINT RECOMENDATION BY MANUF.	4" X 8"	IRIS CERAMICA Contact: Vidhi Patel Architectural Representative 312.722.2787 E: vpatal@transceramica.com	
S.W-2	WALL TILE	RED SUBWAY CERAMIC TILE	THICKNESS: 7MM FINISH: GLOSSY GROUT/JOINT RECOMENDATION BY MANUF.	4" X 8"	IRIS CERAMICA Contact: Vidhi Patel Architectural Representative 312.722.2787 E: vpatal@transceramica.com	
S.W-3	WOOD LOOK - ALIKE TILE	WILLOW BEND DARK BROWN WB03	THICKNESS: 5/16 FINISH: MATTE GROUT/JOINT RECOMENDATION BY MANUF.	6" X 24"	DALTILE Contact: Lynda Gundling Architectural Representative 740.815.3693 E: lynda.gundling@daltile.com	
CEILING						
C-1	CEILING TILE	ARMSTRONG VINYLCLAD SQUARE LAY-IN	ULTIMA LAY-IN SQUARE PANELS. COLOR: WHITE GRID:WHITE	24" x 24" x 1/2"	ARMSTRONG	
SOLID SURFACE						
S.S-1	SOLID SURFACE	CORIAN SOLID COUNTERTOP	QUARTZ COUNTERTOP DEEP BLACK QUARTZ	-	CORIAN Contact: David Greening NA Commercial Sales Manager P: 614.975.6700 E: David.p.greening@dupont.com	

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ARCHITECT

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ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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CHK'D BY:

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PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
INTERIOR FINISH
SCHEDULE

PROJECT NO: 22057

A120A

3702 - INTERIOR GRAPHICS SCHEDULE

ID	NAME	QTY	DESCRIPTION	INSTALLATION	ORDERED BY	INSTALLED BY
1G	THANK YOU SIGN WINDOW VINYL	4	COMMERCIAL GRADE VINYL.	ADHERED DIRECTLY TO GLASS		
2G	HALLWAY ROAD MAP GRAPHIC	1 SET	TONE ON TONE COMMERCIAL GRADE VINYL WITH HEAVY DUTY OVERLAMINATE	ADHERED TO PREPPED AND PRIMED WALL		
3G	EMPLOYEES ONLY SIGN	4	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	MOUNTED ON HIDDEN STANDOFFS TO WALL		
4G	MENS RESTROOM SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	SUSPENDED FROM CEILING ABOVE ENTRY THRESHOLD		
5G	WOMENS RESTROOM SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	SUSPENDED FROM CEILING ABOVE ENTRY THRESHOLD		
6G	FAMILY RESTROOM SIGN	1	1/4" WHITE ACRYLIC PANEL WITH BLUE VINYL ICONS AND TEXT.	MOUNTED ON 2 ALUMINUM STANDOFFS FROM TOP AND BOTTOM OF SIGN		
7G	RESTROOMS WAYFINDING SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	SUSPENDED FROM CEILING		
8G	RESTROOMS DIRECTIONAL SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	SUSPENDED FROM CEILING		
9G	FROZEN COOLER DIMENSIONAL LETTERS	1	3" STATIC CHANNEL LETTERS WITH BLUE RETURN.	MOUNTED ABOVE WALL BAND		
10G	ICE COLD DRINKS DIMENSIONAL LETTERS	1	3" STATIC CHANNEL LETTERS WITH BLUE RETURN.	MOUNTED ABOVE WALL BAND		
11G	MERCHANDISE CATEGORY SIGNS (IF APPLICABLE; TBD BY OWNER)	4	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER. SIGN TEXT TO BE DETERMINED BY CUSTOMER	SUSPENDED FROM CEILING		
12G	RESTROOMS / SHOWERS / LAUNDRY / DRIVER'S LOUNGE SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	MOUNTED ON HIDDEN STANDOFFS TO WALL		
13G	WELCOME SIGN	1	3" STATIC CHANNEL LETTERS WITH RED RETURN	MOUNTED DIRECTLY TO WALL		
14G	GET IT HOT ROLLER GRILL WRAP (IF APPLICABLE; TBD BY OWNER)	2	DIGITALLY PRINTED ON COMMERCIAL GRADE VINYL THAT IS ALSO HEAT RESISTANT.	ADHERED TO FACE OF EQUIPMENT		
15G	FRESH FOR THE ROAD COLD ISLAND TOPPER	1	DOUBLE SIDED DIGITALLY PRINTED 1/4" EXPANDED PVC.	MOUNTED ABOVE COLD ISLAND		
16G	HOT MERCHANDISER SIGN	1	DIGITALLY PRINTED ON STYRENE OR SIMILAR LIGHTWEIGHT BUT STURDY SUBSTRATE.	ADHERED ABOVE MERCHANDISER WITH CLIPS		
17G	SHOWER SIGNS	1 SET	1/4" BLUE ACRYLIC PANEL WITH WHITE VINYL ICONS AND TEXT.	MOUNTED ON 2 ALUMINUM STANDOFFS FROM TOP AND BOTTOM OF SIGN.		
18G	LAUNDRY SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	MOUNTED ON HIDDEN STANDOFFS TO WALL		
19G	DRIVER'S LOUNGE WAYFINDING SIGN	1	1/4" PAINTED BLUE EXPANDED PVC BACKER. TEXT: 1/2" WHITE EXPANDED PVC MOUNTED TO BACKER.	BRACKET MOUNTED TO ENTRY WALL CEILING		
20G	70" DIGITAL SCREENS	3	TO BE PROVIDED BY ABIERTO.	MOUNTED WITH HARDWARE TO WALL		
21G	55" DIGITAL SCREENS	6	TO BE PROVIDED BY ABIERTO.	MOUNTED WITH HARDWARE TO WALL		

INTERIOR GRAPHIC GENERAL NOTES

1	DETERMINE ALL GRAPHIC APPLICATIONS BY USING FIELD DIMENSIONS ONLY.
2	NO GRAPHIC SUBSTITUTIONS ARE ALLOWED WITHOUT PARAGON SOLUTIONS OR OWNERS CONSENT.
3	REVIEW ALL FINAL PRODUCTION DRAWINGS WITH PARAGON SOLUTIONS PRIOR TO PRODUCTION.
4	PROVIDE INSTALLTION COSTS UNLESS OTHERWISE NOTED.
5	GC AND GRAPHICS INSTALLER/PROVIDER TO COORDINATE ON WALL PREP BEHIND ANY VINYL WALLCOVERINGS.

1 INTERIOR GRAPHICS SCHEDULE
A-121 NTS

NOTE:

1. REFER TO SHEET A-122 FOR INTERIOR GRAPHICS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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NO. 005323

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MRP
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Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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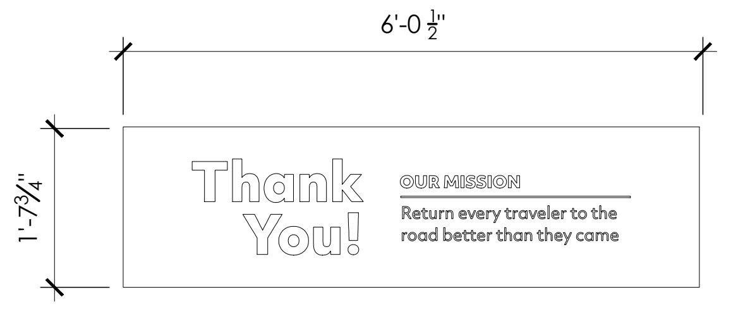
TRAVEL CENTER
TUCUMCARI, NM

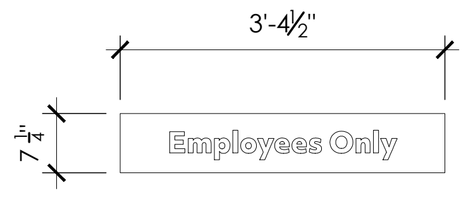
SHEET TITLE:
INTERIOR GRAPHICS SCHEDULE

PROJECT NO: 22057

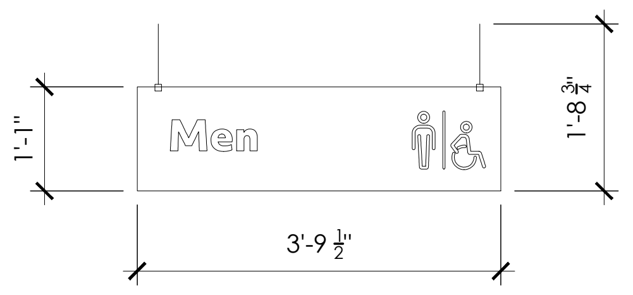
A121



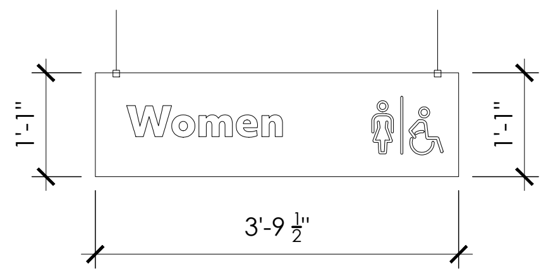
1 G A-122 THANK YOU SIGN WINDOW VINYL
1/2" = 1'-0"



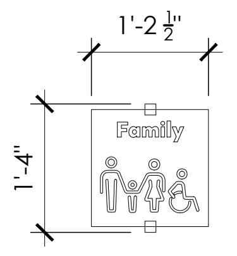
3 G A-122 EMPLOYEES ONLY SIGN
1/2" = 1'-0"



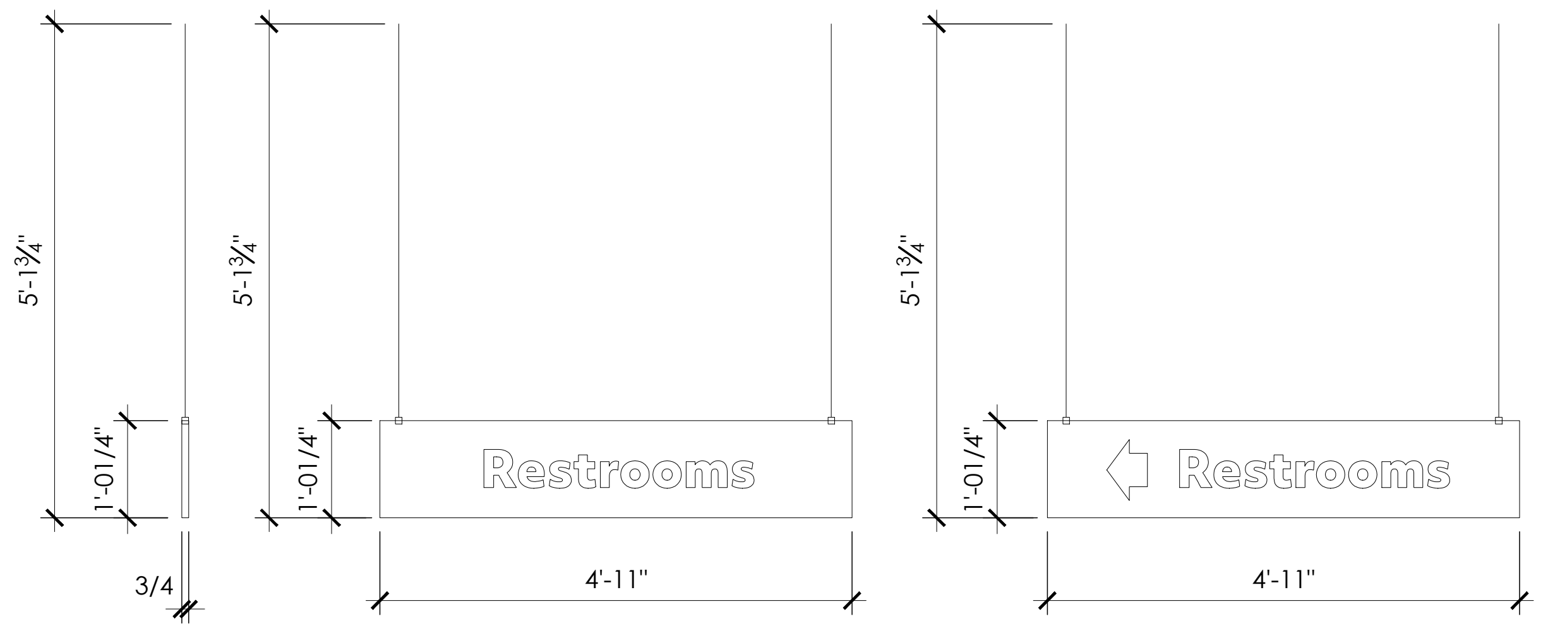
4 G A-122 MENS RESTROOM SIGN
1/2" = 1'-0"



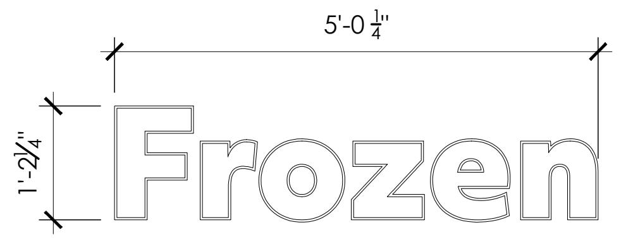
5 G A-122 WOMENS RESTROOM SIGN
1/2" = 1'-0"



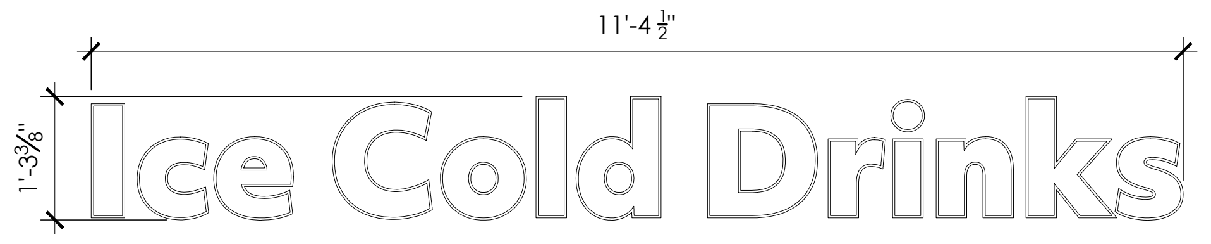
6 G A-122 FAMILY RESTROOM SIGN
1/2" = 1'-0"



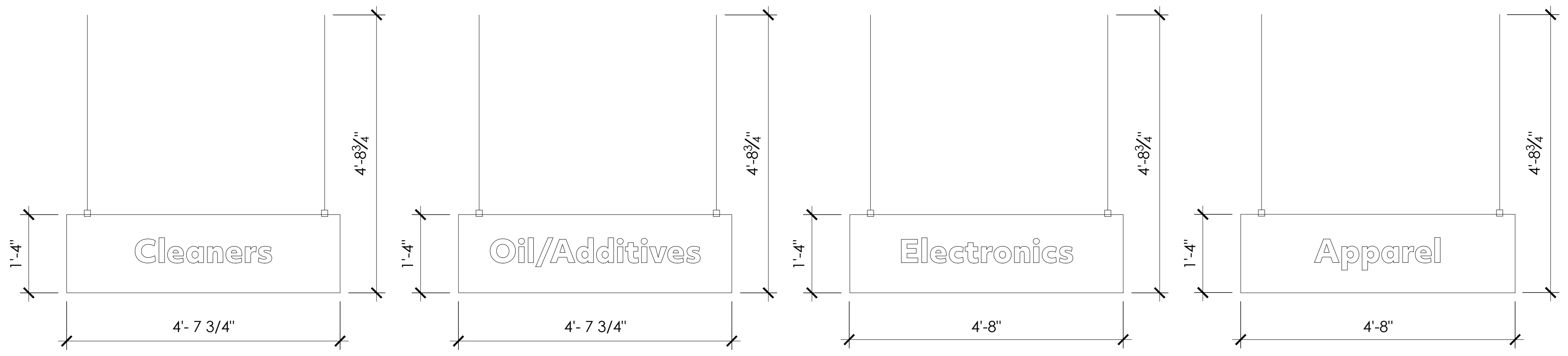
7G/8G A-122 RESTROOMS WAYDINDING SIGN/RESTROOMS DIRECT. SIGN
1/2" = 1'-0"



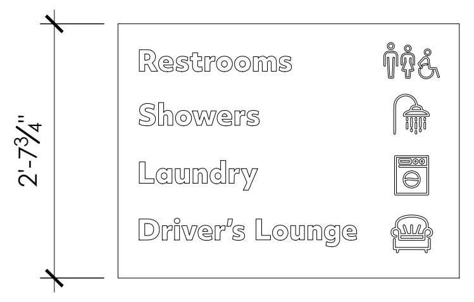
9 G A-122 FROZEN COOLER DIMENSIONAL LETTERS
1/2" = 1'-0"



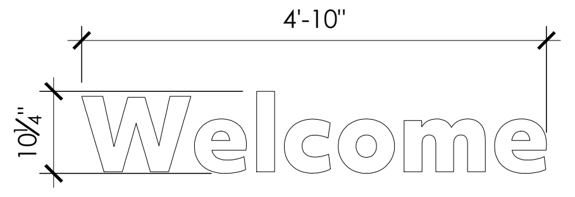
10 G A-122 ICE COLD DRINKS DIMENSIONAL LETTERS
1/2" = 1'-0"



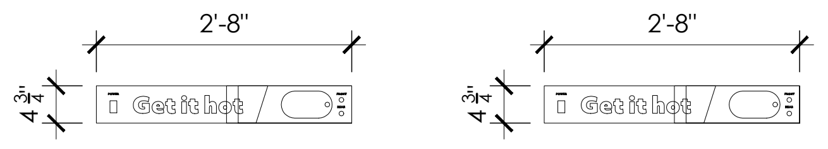
11 G A-122 MERCHANDISE CATEGORY SIGNS (IF APPLICABLE; T.B.D. BY OWNER)
1/2" = 1'-0"



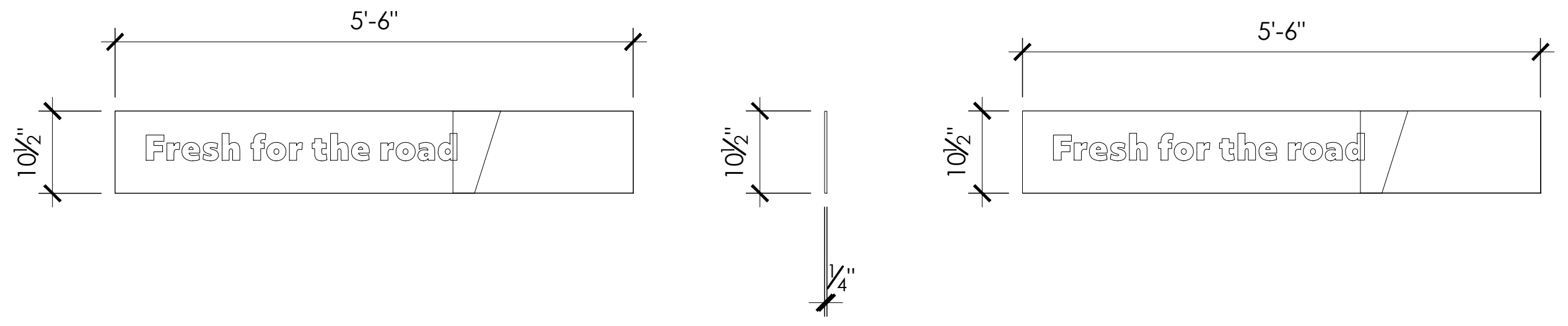
12 G A-122 RESTROOMS/SHOWERS/LAUNDRY/DRIVER'S LOUNGE SIGN
1/2" = 1'-0"



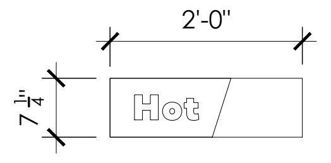
13 G A-122 WELCOME SIGN
1/2" = 1'-0"



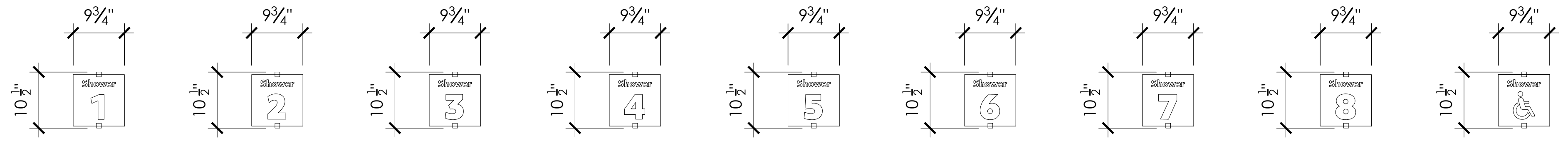
14 G A-122 GET IT HOT GRILL WRAP (IF APPLICABLE; T.B.D. BY OWNER)
1/2" = 1'-0"



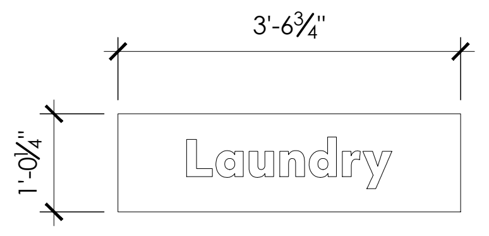
15 G A-122 FRESH FOR THE ROAD COLD ISLAND TOPPER
1/2" = 1'-0"



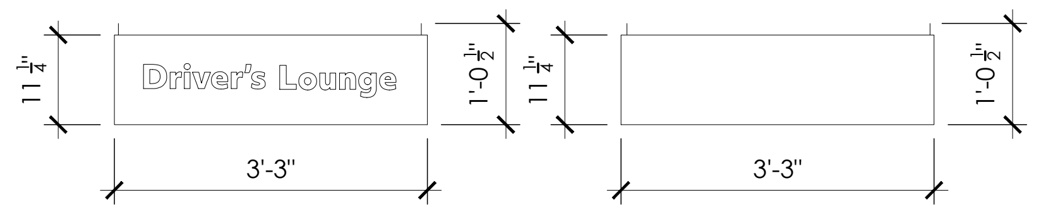
16 G A-122 HOT MERCHANDISER SIGN
1/2" = 1'-0"



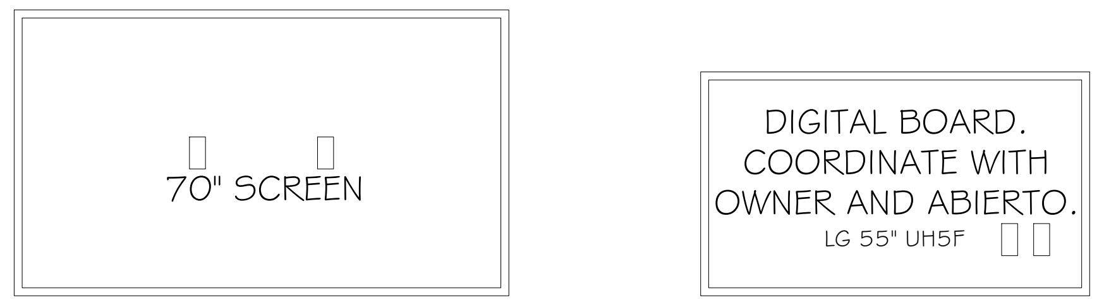
17 G A-122 SHOWER SIGNS
1/2" = 1'-0"



18 G A-122 LAUNDRY SIGN
1/2" = 1'-0"



19 G A-122 DRIVER'S LOUNGE WAYFINDING SIGN
1/2" = 1'-0"



DIGITAL BOARD. COORDINATE WITH OWNER AND ABIERTO.
LG 55" UH5F

20G/21G A-122 70"/50" DIGITAL SCREENS
1/2" = 1'-0"

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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NO. 005323

REVIEWED -
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Chris Archuleta
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
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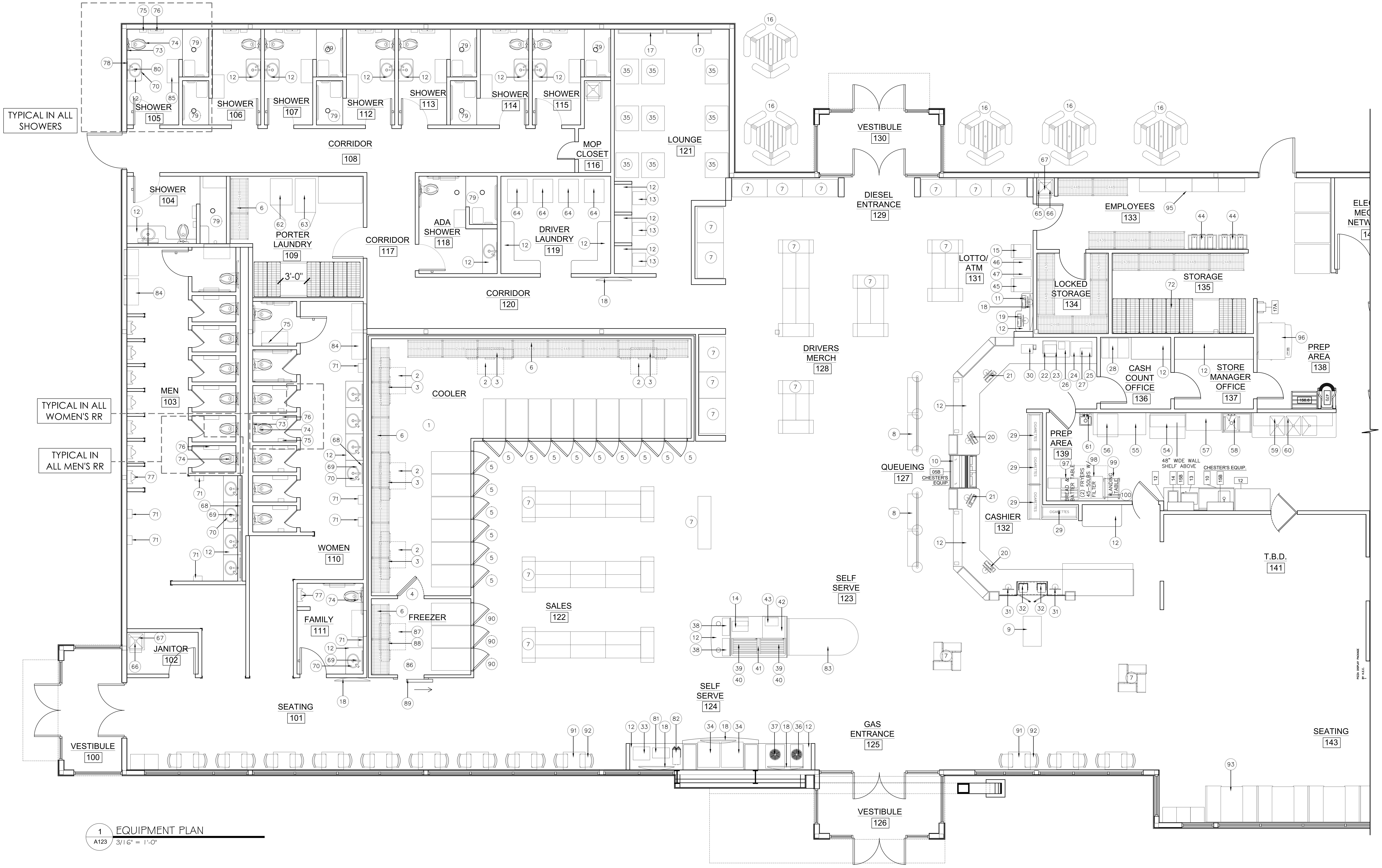
TA TRAVEL CENTER
TUCUMCARI, NM

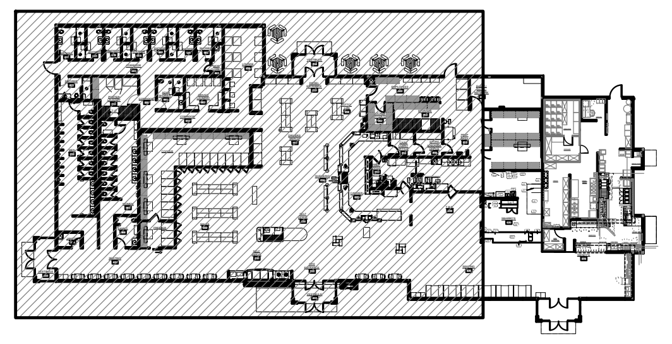
SHEET TITLE:
INTERIOR GRAPHICS

PROJECT NO: 22057

A122



1 A123 EQUIPMENT PLAN
3/16" = 1'-0"



NOTE:

1. REFER TO SHEET A-124 / A-124A FOR EQUIPMENT SCHEDULE.

KITCHEN EQUIPMENT SHOWN IS FOR REFERENCE ONLY.

FINAL DESIGN AND INSTALLATION BY KITCHEN EQUIPMENT SUPPLIER.

NOTE: CONTRACTOR TO CONTACT KED TO ARRANGE EARLY DELIVERY OF STAINLESS STEEL WALL PANELS. G.C. IS RESPONSIBLE FOR INSTALLATION OF STAINLESS STEEL WALL PANELS PRIOR TO HOOD INSTALLATION.

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PROJECT DESCRIPTION

PROJECT TITLE:

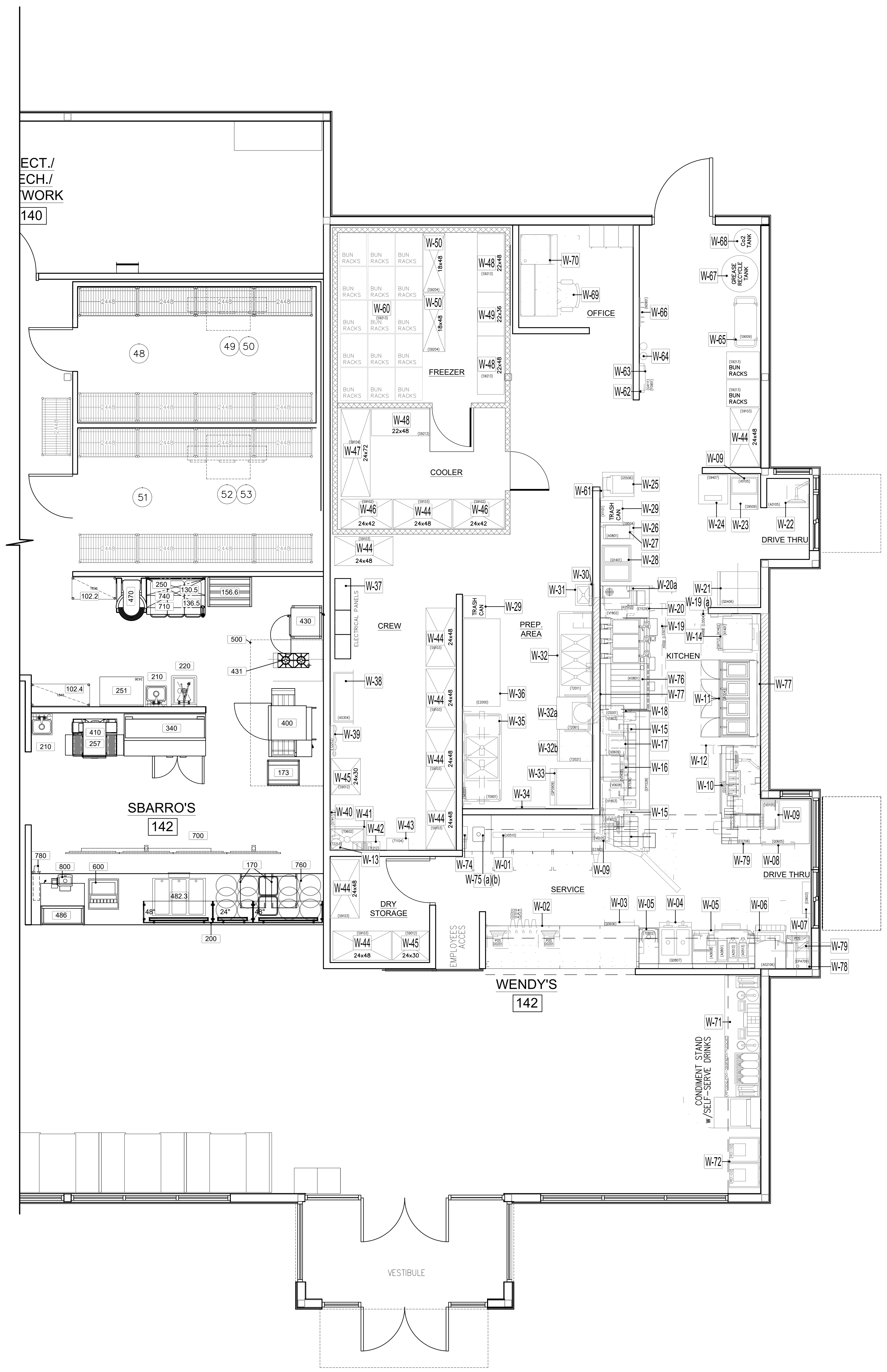
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

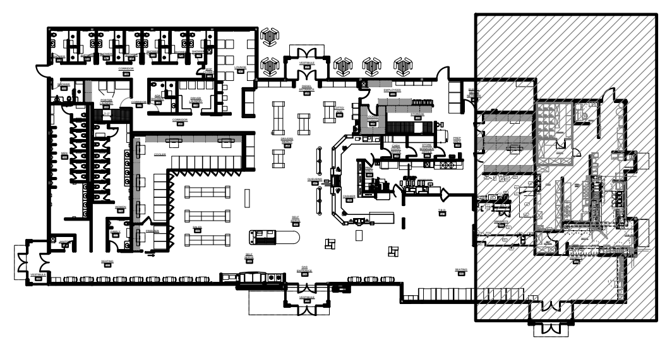
EQUIPMENT PLAN

PROJECT NO: 22057

A123



1 EQUIPMENT PLAN
A123A 3/16" = 1'-0"



NOTE:

1. REFER TO SHEET A-124 / A-124A FOR EQUIPMENT SCHEDULE.

KITCHEN EQUIPMENT SHOWN IS FOR REFERENCE ONLY.

FINAL DESIGN AND INSTALLATION BY KITCHEN EQUIPMENT SUPPLIER.

NOTE: CONTRACTOR TO CONTACT KED TO ARRANGE EARLY DELIVERY OF STAINLESS STEEL WALL PANELS. G.C. IS RESPONSIBLE FOR INSTALLATION OF STAINLESS STEEL WALL PANELS PRIOR TO HOOD INSTALLATION.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED - GENERAL BUILDING
Chris Archuleta
02/23/2024 3:17:58 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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A123A

C-STORE

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	QTY	MODEL	ELECTRICAL	AMPS	REMARKS
1	WALK-IN BEVERAGE COOLER	KPS GLOBAL OR EQUAL	1	-	115/60/1	1	4" POLYURETHANE FILLED - 10' CEILING HEIGHT
2	WALK-IN COOLER CONDENSING UNIT	RUSSELL OR EQUAL	3	-	-	-	REMOTE REFRIGERATION TO ROOFTOP MOUNTED RACK
3	WALK-IN COOLER COIL FAN	RUSSELL OR EQUAL	3	-	-	-	FINAL LOCATION OF FAN AND SYSTEM TO BE DONE BY REFRIGERATION COMPANY
4	WALK-IN COOLER DOOR	ANTHONY INTERNATIONAL	-	-	-	-	BY COOLER MANUFACTURER
5	WALK-IN BEVERAGE COOLER REACH-IN DOORS	ANTHONY INTERNATIONAL	15	#INFINITY 090	VERIFY	30	30" x 75" W/LED SYSTEM; BLACK DOORS, FRAMES, POSTS & SHELVES. ORDER BLANK BLACK SHELF TO GO ON TOP OF SHELVING TO BE USED AS STORAGE PLATFORM INSIDE COOLER.
6	STORAGE RACKS	ISS OR EQUAL	-	-	-	-	GOLD BOND FINISH IN COOLERS - STAINLESS STEEL FINISH IN STORAGE
7	SHELVING	CAP	-	-	-	-	GONDOLA AND WALL SHELVING, PER PLANS - SILVER FINISH
8	QUEUING SYSTEM	CAP	1	SHELVING OR BASKETS	VERIFY	VERIFY	VERIFY WITH CUSTOMER SHELVING OR BASKETS ON QUEUING SYSTEM PANELS.
9	2 SIDED OPENING COOLER	TRUE MANUFACTURING	2	#GDM-33CPT-54-HC-LD	120/60/1	2	BLACK
10	HEATED MERCHANDISER	BY CHESTER'S CHICKEN	1	#BIRDSHACK HEATED MERCHANDISER	VERIFY	VERIFY	BY CHESTER'S CHICKEN FOR BIRDSHACK PROGRAM
11	ULTRA ONE	-	1	-	VERIFY	VERIFY	-
12	COUNTERS	CAP		-	-	-	TO BE FURNISHED BY OWNER - REF. INTERIORS FOR HEIGHTS AND FINISHES
13	WORK STATION CHAIRS	TRIMARK	4	TOLEDO	-	-	UPHOLSTERY: SYMPHONY CLASSIC VINYL - AMERICAN BEAUTY (RED) METAL: BLACK / NATURAL WALNUT WOOD CHAIR BACK
14	BOILED PEANUTS	PEANUT PATCH	1	#DUAL WARMER 2020	120/60/1	5.8	-
15	BITCOIN ATM	-	1	VERIFY	VERIFY	VERIFY	FOR FUTURE INSTALL
16	OUTDOOR SEATING	FROG FURNISHINGS	7	#PB6-HEX			(2) ADA. (5) REGULAR ; CONFIRM SPEC COLORS WITH JOHN DAUER (TA).
17	FLAT SCREEN TV	SAMSUNG	2	70"	120/60/1		70 INCH
18	FLAT SCREEN TV	SAMSUNG	6	55"	120/60/1		55 INCH
19	PEGASUS POS	TRANSFLO	1	-	120/60/1	VERIFY	VERIFY WITH CUSTOMER.
20	CASH REGISTERS\GAS CONSOLE - RUBY 7	RUBY 7	2	-	VERIFY	-	CASH DRAWER, RECEIPT PRINTER, PIN PAD, SCANNER, LED DISPLAY, MONITOR, CPU, PREPAID CARD TERMINAL, AND MISC. BY OWNER
21	CASH REGISTERS\GAS CONSOLE - RETALIX	RETALIX	2	-	VERIFY	-	CASH DRAWER, RECEIPT PRINTER, PIN PAD, SCANNER, LED DISPLAY, MONITOR, CPU, PREPAID CARD TERMINAL, AND MISC. BY OWNER
22	FAX/COPY MACHINE	-	1	-	VERIFY	-	-
23	SHOWER COMPUTER POS	-	1	-	VERIFY	-	-
24	CAT SCALE	-	1	-	VERIFY	-	-
25	CAT SCALE PRINTER	-	1	-	VERIFY	-	-
26	WESTERN UNION	-	1	-	VERIFY	-	-
27	COMDATA PRINTER	-	1	-	-	-	-
28	SMART SAFE	SCM - HCND	1	SCM - HCND	120/60/1	VERIFY	ETHERNET REQUIRED. SPECIFY FLOOR TYPE INSTALLED BELOW SAFE.
29	CIGARETTE RACKS	IMAGE WORKS, ROYSTON, OR EQUAL	3	-	-	-	(4) 4'-0"
30	LOTTO COMPUTER	ALTURA TERMINAL	1	ALTURA	-	-	BY LOTTO COMMISSION
31	SELF CHECKOUT	VERIFY	2	VERIFY	VERIFY	VERIFY	VERIFY WITH OWNER
32	SELF CHECKOUT PLASTIC BAG DISPENSER	CAP	2	-	-	-	-
33	ICED COFFEE	INTERNATIONAL DELIGHT	1	#M225 ICED COFFEE	120/60/1	3.5	2 FLAVORS
34	ICE AND POST MIX	LANCER	2	#IBD BOLD 30i	VERIFY	VERIFY	120v AND 220v OPTIONS. PLEASE VERIFY.
35	LOUNGE CHAIRS	DREAM SEAT	9	LUXURY ROCKER	-	-	-
36	2 HEAD FROZEN CARBONATED BEVERAGE	FROZEN BEVERAGE DISPENSER	1	#372 MULTI-FLAVOR	215-245/60/1	20	-
37	4 HEAD FROZEN CARBONATED BEVERAGE	FROZEN BEVERAGE DISPENSER	1	#774	215-245/60/1	30	-
38	LID & STRAW RACK	ROYSTON	2	VERIFY	-	-	(2) 24"
39	ROLLER GRILL	APW WYOTT	2	#HRS-50	208-240/60/1	7	-
40	BUN DRAWER	APW WYOTT	2	#BC-50	-	-	-
41	SNEEZE GUARD	-	1	-	-	-	-
42	HEATED MERCHANDISER	VENDO SANDEN	1	#HFDHC0009	120/60/1	9.2	-
43	UNDERCOUNTER MICROWAVE	PANASONIC	2	#NE-1025F	120/60/1	13.4	-
44	FOUNTAIN ACCESSORIES	FOR (5) SYSTEMS	-	-	VERIFY	-	FAST FLOW CARBONATORS, BULK CO2 AND NITROGEN, REGULATORS, BIB PUMPS, BIB RACKS, BUNDLE TUBING & INSTALL KITS
45	ATM	TIDEL	1	#IS-2000	115/60/1	1	-
46	LOTTO SLIP STAND	BY LOTTO COMMISSION	1	VERIFY	VERIFY	VERIFY	BY LOTTO COMMISSION
47	LOTTO SCANNER	BY LOTTO COMMISSION	1	VERIFY	VERIFY	VERIFY	BY LOTTO COMMISSION
48	STEP-IN FREEZER	KPS GLOBAL OR EQUAL	1	-	115/60/1	1	4" POLYURETHANE FILLED - 8' CEILING HEIGHT
49	STEP-IN FREEZER CONDENSING UNIT	RUSSELL OR EQUAL	1	-	-	-	REMOTE REFRIGERATION TO ROOFTOP MOUNTED RACK
50	STEP-IN FREEZER COIL FAN	RUSSELL OR EQUAL	1	-	-	-	FINAL LOCATION OF FAN AND SYSTEM TO BE DONE BY REFRIGERATION COMPANY
51	STEP-IN COOLER	KPS GLOBAL OR EQUAL	1	-	115/60/1	1	4" POLYURETHANE FILLED - 8' CEILING HEIGHT
52	STEP-IN COOLER CONDENSING UNIT	RUSSELL OR EQUAL	1	-	-	-	REMOTE REFRIGERATION TO ROOFTOP MOUNTED RACK
53	STEP-IN COOLER COIL FAN	RUSSELL OR EQUAL	1	-	-	-	FINAL LOCATION OF FAN AND SYSTEM TO BE DONE BY REFRIGERATION COMPANY
54	48" REFRIGERATED FOOD PREP TABLE	TRUE MANUFACTURING	1	#TFP-48-18M	120/60/1	8.9	-
55	STAINLESS STEEL PREP TABLE	ADVANCED TABCO OR EQUAL	1	30" x 72"	-	-	WITH SHELF BELOW
56	CONVECTION OVEN TURBOCHEF	TURBOCHEF	1	#HHD-9500-48	208-240/60/1	50	-
57	STAINLESS STEEL PREP TABLE	ADVANCED TABCO OR EQUAL	1	24" x 48"	-	-	WITH SHELF BELOW
58	1 COMPARTMENT SINK	JOHN BOOS	1	1B18244-1D18R	-	-	-
59	3 COMPARTMENT SINK	JOHN BOOS	1	3PB20-2D24	-	-	-
60	108" WALL MOUNTED SHELF	ADVANCE TABCO OR EQUAL	1	108" STAINLESS STEEL WALL MOUNTED SHELF	-	-	-
61	WALL MOUNT SINK	ADVANCED TABCO	2	#7-PS-20	-	-	-
62	30LB DRYER	SPEED QUEEN	1	#ST030	VERIFY	VERIFY	-
63	30LB WASHER EXTRACTOR	SPEED QUEEN	1	#SCT030	VERIFY	VERIFY	-
64	STACKED WASHER AND DRYER W/ VENDING	SPEED QUEEN	4	#MICRO DISPLAY COMMERCIAL STACK WASHER/DRYER FRONT CONTROL	VERIFY	VERIFY	-
65	CENTRAL PRESSURE WASH SYSTEM	SPRAY MASTER TECHNOLOGIES	1	#POWER CLEAN 5.0	VERIFY	VERIFY	VERIFY WITH CUSTOMER IF REMOTE CONNECTIONS ARE NEEDED AT RESTROOMS, EXTERIORS, AND PUMPS.
66	FLOOR MOUNT MOP SINK	ADVANCED TABCO	2	#9-OP-20	-	-	WITH K-240 FAUCET. VERIFY WITH OWNER QUANTITY OF MOP SINKS
67	MOP CART	RUBBERMAID OR EQUAL	2	-	-	-	-
68	WALL MOUNTED MIRROR FOR RESTROOMS	BO-BRICK	8	#B-290	-	-	24" x 36"
69	HANDSFREE FAUCET & SOAP DISPENSER	BRADLEY CORP	8	#S53-3100	-	-	CREST SERIES - CHROME FINISH. WITH SOAP DISPENSER #6-3100
70	UNDERMOUNT SINK BOWL	KOHLER	18	#BACHATA K-2609-SU	-	-	UNDERMOUNT
71	HAND DRYER	XLERATOR	7	VERIFY	VERIFY	VERIFY	VERIFY WITH OWNER
72	TRACK WIRE SHELVING	METRO	1	#QWIKTRAK	-	-	-
73	TOILET BOWL COVER DISPENSER	BO-BROCK	17	#B-221	-	-	-
74	WALL MOUNTED TOILET	TOTO	24	#CT708UG	-	-	SUPER SLICK SURFACE
75	SANITARY NAPKIN DISPOSAL	BO-BROCK	17	#B-35139	-	-	-
76	BATH TISSUE ROLL DISPENSER	BO-BROCK	24	#5555290	-	-	-
77	URINAL	TOTO	8	-	-	-	CONTACT BRIAN NICKEL AT TOTO: 404-725-5591
78	WALL MOUNTED MIRROR WITH SHELF	BO-BROCK	9	#B-292	-	-	24" x 36". WITH SHELF.
79	SHOWER	PER T.A. SHOWER STANDARDS MANUAL	9	PER T.A. SHOWER STANDARDS MANUAL	VERIFY	VERIFY	PER T.A. SHOWER STANDARDS MANUAL
80	HANDSFREE FAUCET & SOAP DISPENSER	BRADLEY CORP	9	#AERADA 1100	-	-	CREST SERIES - CHROME FINISH - WITH TEMPERATURE CONTROL. WITH SOAP DISPENSER #6-3100
81	COLD BREW COFFEE	STOK	1	#COLD BREW COFFEE M230	120/60/1	3.2	2 FLAVOR
82	ICE TEA DISPENSER	TEAFINITY	1	#TCC3N	120/60/1	3	-
83	REFRIGERATED OPEN AIR ENDCAP MERCHANDISER	HUSSMANN	1	#TY4-4	VERIFY	VERIFY	BLACK INTERIOR AND EXTERIOR; PROVIDE DEDICATED CIRCUITS FOR OPEN CASE AND REMOTE REFRIGERATION: FINAL ENGINEERING BY OTHERS
84	BABY CHANGING STATION	KOALA KARE	5	#KB100-05T	-	-	-
85	FOLD OUT SHOWER BENCHES	GRAB BAR SPECIALISTS	9	VERIFY	-	-	VERIFY WITH CUSTOMER SIZE AND LOCATION: EITHER FOLD OUT BENCH IN SHOWER AND OUTSIDE OF SHOWER, OR BOTH.
86	WALK-IN FREEZER	KPS GLOBAL OR EQUAL	1	-	115/60/1	1	4" POLYURETHANE FILLED - 10' CEILING HEIGHT
87	WALK-IN FREEZER CONDENSING UNIT	RUSSELL OR EQUAL	3	-	-	-	REMOTE REFRIGERATION TO ROOFTOP MOUNTED RACK
88	WALK-IN FREEZER COIL FAN	RUSSELL OR EQUAL	3	-	-	-	FINAL LOCATION OF FAN AND SYSTEM TO BE DONE BY REFRIGERATION COMPANY
89	WALK-IN FREEZER SLIDING DOOR	FRANK DOORS	1	#MANUAL SLIDE DOOR	-	-	CONTACT DON ALCALA WITH FRANK DOOR. DALCALA@FRANKDOOR.COM 817-471-7595
90	WALK-IN FREEZER REACH-IN DOORS	ANTHONY INTERNATIONAL	3	#INFINITY 090	VERIFY	6	30" x 75" W/LED SYSTEM; BLACK DOORS, FRAMES, POSTS & SHELVES. ORDER BLANK BLACK SHELF TO GO ON TOP OF SHELVING TO BE USED AS STORAGE PLATFORM INSIDE COOLER.
91	DINING HEIGHT 2 PERSON TABLE	-	12	-	-	-	-
92	DINING HEIGHT CHAIR	-	24	-	-	-	-
93	DINING HEIGHT BOOTHS	-	6	-	-	-	-
94	TRASH RECEPTACLES	-	-	-	-	-	-
95	LOCKERS	ULINE OR EQUAL	4	-	-	-	-
96	ICE BAGGING & DISPENSING SYSTEM	FOLLETT	1	#DB1000	220/60/1	2.5	-
97	BREAD & BATTER TABLE	GILES	1	BBT-S			
98	FRYER 45 50LBS W/FILTER	VULCAN	2	#1GR45	120/60/1	6	VERIFY IF ELECTRIC OR GAS. WITH BUILT IN FILTER. GAS CONNECTION REQUIRED.
99	LANDING TABLE	GILES	1	LT-3			
100	VENT HOOD	CAPTIVE AIR	1		VERIFY	VERIFY	

CHESTER'S

CHESTER'S EQUIPMENT SCHEDULE- MEDIUM HENNY PENNY

Type Mark	QTY	Sourced From	Description	Manufacturer	Model	Dimensions	Comments
		LOCAL	GREASE TRAP	VARIES	VARIES	VARIES	SIZE PER CODE AND HEALTH DEPARTMENT REQUIREMENTS
05B	1	CHESTER'S	6' HEATED MERCHANDISER	HENNY PENNY	HMR - 105	69.25 x 37 x 31.38"	5 PAN - COORDINATE POWER REQUIREMENTS AND SEATING WITH MILLWORK
10	1	LOCAL	WORK TABLE W/ PREP SINK	VARIES	VARIES	VARIES	PROVIDE 2'-6" X 4' MINIMUM LENGTH - 16/300 SS
12	2	LOCAL	WORK TABLE - STAINLESS	VARIES	VARIES	VARIES	PROVIDE 2'-6" X 4' MINIMUM LENGTH W/ BOTTOM SHELVING- 16/300 SS
13	1	CHESTER'S	CONVECTION OVEN	CADCO	OV-003	14 1/8 x 11 1/4 x 9"	NEMA 5-15P NEMA 5-15P FOR BISCUIT PREP AND OTHER MISC. ITEMS
14	1	CHESTER'S	RETHERMALIZER, WARMER	NEMCO	6055-A	14 5/8 x 23 1/2 x 9"	TO HEAT AND PREPARE SIDE OFFERINGS. NEMA 5-15P
15B	2	LOCAL	SHELF - WALL MOUNT - STAINLESS	VARIES	3' LENGTH MINIMUM	VARIES	PROVIDE SOLID SS SHELVING OVER FOOD PREP AREAS, MOUNT 5' TO SHELF
17A	1	CHESTER'S	OIL CADDY	HENNY PENNY	FS 100	20 x 17 x 43 1/4"	SPOUT HEIGHT DESIGNED FOR A 55 GALLON DRUM

SBARRO

SBARRO EQUIPMENT SCHEDULE

Type Mark	Sourced From	Description	QTY	Manufacturer	Model	Electrical	Amps	Comments
102.2	SBARRO	DRY STORAGE SHELVING	1	CENTAUR	(5) C1836C W/ (4) C86C	-	-	
102.4	SBARRO	DRY STORAGE SHELVING	2	CENTAUR	(5) C1848C W/ (4) C86C	-	-	
130.5	SBARRO	DIRECT MOUNT WIRE SHELVING	1	CENTAUR	C1448C W/ (2) C1WD14C	-	-	
136.5	SBARRO	DIRECT MOUNT WIRE SHELVING	1	CENTAUR	C2448C W/ (2) C1WD24C	-	-	
156.6	SBARRO	DUNNAGE RACK	1	CHANNEL	ADE2436	-	-	
170	SBARRO	MOBILE UC PIZZA RACK	2	NEW AGE INDUSTRIAL	1313	-	-	
173	SBARRO	MOBILE CUT TABLE	1	NEW AGE INDUSTRIAL	1313	-	-	
200	SBARRO	SNEEZE GUARD	1 LOT	BY OTHER	WITH SGLIGHTS 24", 48'	-	-	
200.1	SBARRO	SNEEZE GUARD LIGHTS	3	VODE	SIZES: 24", 48"	-	-	
210	SBARRO	HAND SINK	2	ADVANCE TABCO	DI-1-5	-	-	
220	SBARRO	ONE COMPARTMENT SINK	1	ADVANCE TABCO	FC-1-1620	-	-	
250	SBARRO	WORK TABLE	1	ADVANCE TABCO	TKMS-304	-	-	
251	SBARRO	WORK TABLE	1	ADVANCE TABCO	24X36 WITH BACKSPLASH AND UNDERSHELF	-	-	
257	SBARRO	TURBOCHEF TABLE	1	ADVANCE TABCO	SPECIAL WORKING HEIGHT	-	-	
340	SBARRO	REFRIGERATED PIZZA PREP	1	TRUE	TPP-AT-60 HC	VERIFY	VERIFY	
400	SBARRO	CONVEYOR OVEN	2	TURBOCHEF	HHC2020 DOUBLE STACK VENTLESS SINGLE BELT	VERIFY	VERIFY	
410	SBARRO	CONVEYOR OVEN	1	TURBOCHEF	HCS-9500-23-V W/(2)HCS-4099 JETPLATE	VERIFY	VERIFY	
430	SBARRO	BOILERLESS STEAMER	1	ACCUTEMP	E62083D100 SGL W/ SNH-11-OO STAND	VERIFY	VERIFY	
431	SBARRO	INDUCTION	2	GARLAND	GIIC-SH3.5	VERIFY	VERIFY	
470	SBARRO	MIXER	1	PRECISION MIXERS	HD60.3	VERIFY	VERIFY	
482.3	SBARRO	DROP-IN HOT WELL	1	WELLS	MOD100TDMAF	VERIFY	VERIFY	
486	SBARRO	36" REFRIGERATED GRAB AND GO		FEDERAL	SSRVS3633	VERIFY	VERIFY	
500	SBARRO	EXHAUST HOOD	1					
600	SBARRO	SODA & ICE DISPENSER	1	T.B.D. BY OTHERS	T.B.D. BY OTHERS	VERIFY	VERIFY	
700	SBARRO	MENU BOARDS	1	SAMSUNG	(3/4) QBR43/50/55 CM/WM	VERIFY	VERIFY	
710	SBARRO	CAN OPENER	1	EDLUND		-	-	
740	SBARRO	INGREDIENT BIN	3	WINHOLT	148PIB	-	-	
760	SBARRO	PIZZA DISPLAY PACKAGE	1	SMALLWARES	SMALLWARES	VERIFY	VERIFY	
780	SBARRO	CUP DISPENSER	2	SAN JAMAR	2410C	-	-	
800	SBARRO	POS UNIT	1	BY OTHERS	BY OTHERS	-	-	

1 EQUIPMENT SCHEDULE
A124 NTS

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:17:58 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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TUCUMCARI, NM

SHEET TITLE:
EQUIPMENT SCHEDULE

PROJECT NO: 22057

A124

WENDY'S

WENDY'S EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	QTY	MODEL / Wendy's #	ELECTRICAL	AMPS	REMARKS
W-01	MENUBOARD (DIGITAL)	NEC	4	P463 / Wendy's item#: U0510	VERIFY	VERIFY	-
W-02	FRONT COUNTER	-	1	T.B.D. BY WENDY'S			
W-03	REACH IN-REFRIGERATOR W/DRAWERS	HOSHIZAKI	1	UR27A-D2 / Wendy's item#: Q0606	115/60/1	VERIFY	
W-04	FROSTY MACHINE (DOUBLE)	TAYLOR	1	Wendy's item#: Q0807	VERIFY	VERIFY	
W-05	DRINK COUNTER LINE STAND BEVERAGE URN / TIER URN STACKED BREWER COFFE TEA BREWER	SERTEK LYONS / GRINDMASTER AXIOMP-DV-TC ITB	1 X 2 1 1	Wendy's item#: EP0908 Wendy's item#: A0513 / A0518/A0519 Wendy's item#: A0608 Wendy's item#: A0801	VERIFY	VERIFY	
W-06	DRINK TOWER	BEVARIETY	1	Wendy's item#: A02106-GS2	VERIFY	VERIFY	
W-07	DRINK SHELF	LYONS	1	Wendy's item#: E0603			
W-08	REACH IN-REFRIGERATOR (1 DOOR)	BEVERAGE-AIR	2	UCR27HC-24-23-SDH / Wendy's item#: Q0605	115/60/1	VERIFY	
W-09	V0105 - CHILI WARMER	VOLLRATH (VR)	2	Wendy's item#: V0105-58815	VERIFY	VERIFY	
W-10	80" FRY STATION	SERTEK	1	Wendy's item#: E0703-FD018109	VERIFY	VERIFY	
W-11	4 WELL OPEN FRYER	HENNY PENNY	1	EEE 154 Wendy's item#: J1004	VERIFY	VERIFY	
W-12	EXHAUST HOOD (#2) (49"x108")	CAPTIVEAIRE	1	Wendy's item#: L052-4824ND210878	VERIFY	VERIFY	
W-13	WATER FILTRATION, REVERSE OSMOSIS SYSTEM	3M (MM)	1	Wendy's item#: T2213	VERIFY	VERIFY	
W-14	COMBI & HIGH SPEED OVENS	ACP	1	Wendy's item#: K1402	VERIFY	VERIFY	XPRESSCHEF 4i-HIGH SPEED OVEN
		BLODGETT	1	Wendy's item#: K1401	VERIFY	VERIFY	BLCT-6E
W-15	MPC (4 PAN)	HENNY PENNY	2	Wendy's item#: V1903	120/60/1	VERIFY	
W-16	HORIZONTAL TOASTER	GST	1	Wendy's item#: V0403	VERIFY	VERIFY	
W-17	WARMING CABINET	HENNY PENNY	1	Wendy's item#: V0609-BW100	120/60/1		
W-18	BUN STORAGE	FABX (FX)	1	Wendy's item#: G5501-SW230071			
W-19	EXHAUST HOOD (#1) (54"x93")	CAPTIVEAIRE	1	Wendy's item#: L0307	VERIFY	VERIFY	
W-19 (a)	EXHAUST HOOD (#2) (49"x138")	HALTON (HL)	1	Wendy's item#: L0504	VERIFY	VERIFY	
W-20	COOK CENTER / MEAT REFRIGERATOR	WASSERSTROM	1	Wendy's item#: E1529	VERIFY	VERIFY	
W-20 (a)	MICROWAVE - MEDIUM DUTY	ACP	1	Wendy's item#: K0502	VERIFY	VERIFY	
W-21	REACH IN-FREEZER (1 DOOR)	HOSHIZAKI	1	Wendy's item#: Q0406-F1A-FS	115/60/1	VERIFY	
W-22	PUW BEVERAGE SYSTEM	COKE	1	Wendy's item#: A0105-8000			
W-23	BACON MODULE	METRO (MT)	1	Wendy's item#: S9509			Mobile Bacon Cooling Rack
W-24	BACON PREP RACK	METRO (MT)	1	Wendy's item#: S9407-P2424B1			Work Table Module - 24 x 24
W-25	TOASTER & PANINI CART	SERTEK	1	Wendy's item#: G5506-SW010010			
W-26	CHILI CART MODULE (24"x30")	METRO (MT)	1	Wendy's item#:S9504-P2430H1			
W-27	TEA BREWER	BUNN	1	Wendy's item #A0801-52200.0114			
W-28	MEATWELL (COLD WELL)	T.B.D. BY WENDY'S	1	Wendy's item#:Q1401			
W-29	TRASH CAN	RUBBERMAID	2	Wendy's item#:X1101-FG3567			35.5 Gal
W-30	SOAP DISPENSER / MANUAL / NEXA CLASSIC	ECOLAB KAY	2	Wendy's item#: C0206-92214118			
	TOWEL DISPENSER- BOH Hands Free	BOBRICK	1	Wendy's item#: C0305-B72860			Battery operated / Do not require an outlet
	HOLDER BOX (LATEX GLOVES)	LYONS	4	Wendy's item#: G3200			
	HOLDER BOX (PLASTIC GLOVES)	QUADRA TECH	1	Wendy's item#: G3221			
W-31	HAND WASH STATION- Manual Faucet 9"x9"	Component Hardware Group (CH)	1	Wendy's item#: T0802-FS18-090905H1	VERIFY	VERIFY	
W-32	STANDARD WAREWASH (3-COMP SINK)	LYONS	1	Wendy's item#: T2011-SK2311901	-	-	(V.I.F -L or R)
W-32a	WAREWASH - LOW TEMP, LIQUID CHEMICALS	CMA	1	Wendy's item#: T2061	VERIFY	VERIFY	
W-32b	DISHTABLE, CLEAN SIDE	LYONS	1	Wendy's item#: T2021	-	-	
W-33	PACKAGE, CUBE ICE MAKER-WITH BIN	MANITOWOC	1	Wendy's item#: QP0909	VERIFY	VERIFY	
W-34	SAFETY EQUIPMENT STATION	T.B.D.					
	HOLDER, OVEN MITTS	FRONTLINE SALES (FI)	1	Wendy's item#: F0301-3053	-	-	
	HOLDER, GLOVES	FRONTLINE SALES (FI)	1	Wendy's item#: F0302-3055	-	-	
	HOLDER, BOX CUTTING STORAGE	FRONTLINE SALES (FI)	1	Wendy's item#: F0303-3009	-	-	
	6' STEP LADDER	WERNER (WE)	1	Wendy's item#: F0703-6206	-	-	
	EQUIPMENT HOOKS, PPE	FRONTLINE SALES (FI)	1	Wendy's item#: X1801-3054	-	-	
W-35	72" SALAD PREP SINK Wall Rack, Sink - 3 Comp Pot w/ Pre-Rinse	METRO (MT)	1	Wendy's item#:T0901 Wendy's item#:S6202-TBD	-	-	Wall Rack with 72" Track for 3 compartment pot sink workstation with a pre-rinse assembly and 24" track
W-36	30"x72" PREP TABLE	(Non Standard or Special)	1	Wendy's item#: E2000-NONSTD			
W-37	ELECTRICAL PANELS	T.B.D.					
W-38	DRINK RACK	COKE	1	46241			
W-39	WATER FILTRATION SYSTEM	3M (MM)	1	DF260CLCC / Wendy's item#: T2212	VERIFY	VERIFY	
W-40	MOP RACK (24" HOLDER, 6" PRONG)	METRO (MT)	1	Wendy's item#: S7417	-	-	
W-41	MOP SINK	LYONS	1	Wendy's item#: T0602	-	-	(V.I.F -L or R)
W-42	CHEMICAL BLEND CENTER -MOP SONK AREA	ECOLAB KAY	1	Wendy's item#: T1212	VERIFY	VERIFY	
W-43	TANKLESS WATER HEATHER, GAS	RHEEM (RM)	1	Wendy's item#: T1104-RTGH-95-DVLN	VERIFY	VERIFY	
W-44	STORAGE UNIT 24x48x80	METRO (MT)	9	Wendy's item#: S9103-C2448B1	-	-	
W-45	STORAGE UNIT 24x30x80	METRO (MT)	2	Wendy's item#: S9012	-	-	
W-46	STORAGE UNIT 24x42x80	METRO (MT)	2	Wendy's item#: S9102	-	-	
W-47	STORAGE UNIT 24x72X80	METRO (MT)	1	Wendy's item#: S9104	-	-	
W-48	STORAGE UNIT 22x48x12	METRO (MT)	3	Wendy's item#: S9213	-	-	
W-49	STORAGE UNIT 22x36	METRO (MT)	1	T.B.D.	-	-	
W-50	STORAGE UNIT 18x48x80	METRO (MT)	2	Wendy's item#: S9204	-	-	
W-60	BUN RACKS 22x48x12 (PALLATIER)	METRO (MT)	17	Wendy's item#: S9213	-	-	
W-61	HOLDER, GLOVE BOX DISPENSERS	LYONS	1	SW23121161	-	-	
W-62	HOLDER, NIGHT COVERS	WASSERTSTROM (WS)	1	Wendy's item#: G4111-F65085S001	-	-	
W-63	FIRST AID STATION (COMPLETE FIRST AID KIT)	FRONTLINE SALES (FI)	1	Wendy's item#: F0901-2583	-	-	
W-64	FIRE EXTINGUISHERS	T.B.D.	T.B.D.		-	-	
W-65	CARTON CART UNIT 18x30x35	METRO (MT)	1	Wendy's item#:S9009-D1830H1	-	-	
W-66	COAT RACK HOOKS / 30"	(Non Standard or Special)	1	Wendy's item#: N0901	-	-	
W-67	GREASE RECYCLE TANK	MAHONEY EQUIPMENT LLC (ME)	1	DCH2004AMST	VERIFY	VERIFY	
W-68	CO_2 TANK Carbon-Mizer450 High Capacity	CARBO - MIZER	1	12889441	VERIFY	VERIFY	
W-69	OFFICE CENTER	**SEE OFFICE CENTER TABLE SPEC**		-	-	-	
W-70	SMART SAFE	**SEE OFFICE CENTER TABLE SPEC**		-	-	-	
W-71	PACKAGE CONDIMENT STAND W/SHELF-SERVE DRINKS (DINING)	SERTEK	1	Wendy's item#: RP0306-FS01099FREESTYLESCRTL	VERIFY	VERIFY	
W-72	TRASH UNIT	WASSERTSTROM (WS)	2	Wendy's item#: R0102	-	-	
W-73	CHEMICAL BLEND CENTER -MOP SONK AREA	ECOLAB KAY	1	Wendy's item#: T1212	VERIFY	VERIFY	
W-74	SOAP DISPENSER MANUAL & PAPER TOWEL DISPENSER		1/ 1				
W-75	(a) HAND SINK (b) FAUCET	COMPONENT HARDWARE GROUP (CH)	1	Wendy's item#: T0802			
W-76	DOUBLE SIDED GRILL	TAYLOR	1	Wendy's item#: K0801-C80523GCR1	VERIFY	VERIFY	
W-77	WALL PANEL KIT (GRILL LINE)	LYONS	2	Wendy's item#: L0208			4 X 10 SHEETS
W-78	PACKAGE (CUP DISPENSER/BOX/HOLDER)	LYONS	1	Wendy's item#: EP4709			
W-79	BAGGING STATION	LYONS	1	Wendy's item#: E0708			

*** W-69. OFFICE CENTER (TUCUMCARI)

ITEM	DESCRIPTION	MANUFACTURER	QTY	MODEL	ELECTRICAL	AMPS	REMARKS
D1203*	Training TV (Optional)	T.B.D.	1		-	-	
N0501*	Smart Safe (Optional)	DUNBAR ARMORED (DB)	1	12889441	VERIFY	VERIFY	
N0508	Back Office Safe	AMPHION (AM)	1	282020	-	-	
N0601	Office Chair	HON (HN)	1	H5701-GA10	-	-	WITHOUT ARMS / COLOR: BLACK
N0701	Training Material Hooks	T.B.D. BY WENDY'S	1	Wendy's item#: E2000-NONSTD	-	-	HOOKS FOR TRAINING MATERIALS
N0803	Employee Lockers	SAFCO CORP. (SF)	3	Wendy's item#: N0803-5524GR	-	-	COLOR: GRAY
N1201	Bulletin Board - 24" x 36"	MASTER WOODCRAFT (MW)	2	NBB24	-	-	
N1901	Cash Scales	TRINITY RESOURCES (TR)	1	OMEGA 230	VERIFY	VERIFY	
N2701	PPE Fryer Cleaning Kit	TURN CUFF (TD)	1	N2701	-	-	

1 EQUIPMENT SCHEDULE
A124A
NTS

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED -
GENERAL BUILDING
Chris Archuleta
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MRP
DESIGN GROUP

3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:

TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

EQUIPMENT SCHEDULE

PROJECT NO: 22057

A124A

3702 - EXTERIOR FINISH SCHEDULE

ID	DESCRIPTION	COLOR	MANUFACTURER/CONTACT
EX1	ARCHITECTURAL BRICK VENEER (SOLDIER & RUNNING BOND INSTALLATION)	CHARCOAL GRAY	ACME BRICK 817.332.4101
EX2	CAST-FIT WATERTABLE/SILL	COLOR: TAUPE	CULTURED STONE (THRU BORAL) PETER TANK 214.551.3718
EX3	METAL CAPS/CORNICES	COLOR: NATURAL WHITE	BERRIDGE MANUFACTURING (OR COMPARABLE) 800.669.0009
EX4	1 1/2" EIFS/STUCCO	COLOR TO MATCH SW9173 SHIITAKE	DRYVIT (OR COMPARABLE) 800.556.7752
EX5	1 1/2" EIFS/STUCCO	COLOR TO MATCH SW6098 PACER WHITE	DRYVIT (OR COMPARABLE) 800.556.7752
EX6	CAROUSEL & SOLSTICE UMBRELLA	COLOR: BLUE - TO MATCH (TA) COLOR STANDARDS TBD BY OWNER/VENDOR	LANDSCAPE FORMS PATTI RED 800.430.6206 x 1327
EX7	LUMISHADE	COLOR: BLUE - TO MATCH (TA) COLOR STANDARDS TBD BY OWNER/VENDOR	MAPES CANOPIES 888.273.1132
EX8	ALUMINUM STOREFRONT MULLIONS	CLEAR/BLACK ANODIZED ALUMINUM (INSIDE & OUTSIDE)	KAWNEER (OR COMPARABLE) STEVE KESTERSON 214.878.2697
EX9	UV WINDOW TREATMENTS (IF NEEDED)		CONSULT CONTRACTOR OR ARCHITECT
EX10	EXTERIOR GRADE PAINT SUBSTRATE TO DETERMINE PAINT	TO MATCH (EX5) SW9173 SHIITAKE	SHERWIN WILLIAMS ASHLYNN BOURQUE 214.553.3944
EX11	RED ARCH W/ ILLUMINATED BAND	COLOR: RED - TO MATCH (TA) COLOR STANDARDS TBD BY OWNER/VENDOR	CONSULT CONTRACTOR OR ARCHITECT

EXTERIOR FINISH GENERAL NOTES

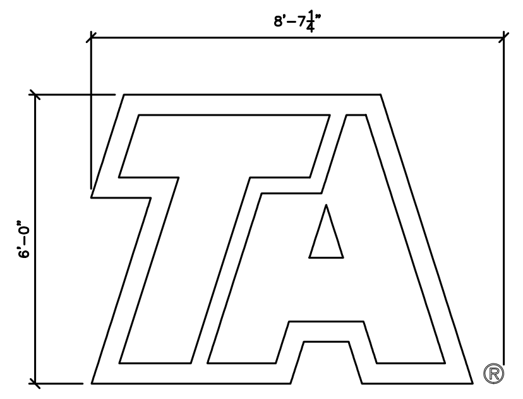
1 CONSULT LOCAL CONTRACTOR FOR STANDARD MATERIALS.

2 CONSULT PARAGON SOLUTIONS FOR COLOR VERIFICATIONS AND GRAPHICS.

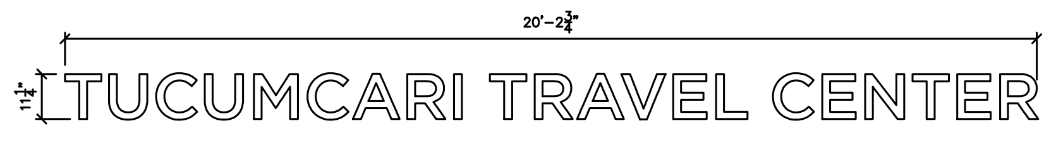
3 MATERIALS MAY NOT BE SUBSTITUTED WITHOUT PERMISIONS FROM OWNER OR PARAGON SOLUTIONS.

4 FIELD VERIFY ALL EXTERIOR ELEVATIONS AND GRAPHICS FOR ACCURATE DIMENSIONS.

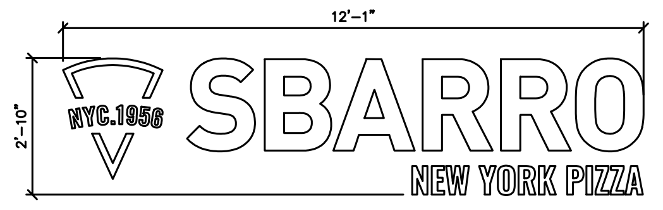
3 EXTERIOR FINISH SCHEDULE
A200 N.T.S.



1EG "TA" LOGO SIGN
A200 1/4" = 1'-0"



2EG "TA" LOGO SIGN
A200 1/4" = 1'-0"



4 EXTERIOR GRAPHICS
A200 1/4"=1'0"

4EG "TA" LOGO SIGN
A200 1/4" = 1'-0"

3702 - EXTERIOR GRAPHICS SCHEDULE

ID	NAME	QTY	DESCRIPTION	INSTALLATION
1EG	TA LOGO SIGN	3	FACE-LIT LED CHANNEL LETTERS TA LOGO COLORS WITH WHITE RETURNS	MOUNTS DIRECTLY TO PYLON
2EG	"TUCUMCARI TRAVEL CENTER" LETTERS	1	FACE-LIT LED CHANNEL LETTERS - WHITE FACE WITH TA BLUE RETURNS	MOUNTS DIRECTLY TO WALL
3EG	"WENDY'S" SIGN	1	SPECIFICATIONS BY OTHERS	MOUNTS DIRECTLY TO WALL
4EG	"SBARRO" SIGN	1	SPECIFICATIONS BY OTHERS	MOUNTS DIRECTLY TO WALL

EXTERIOR GRAPHIC GENERAL NOTES

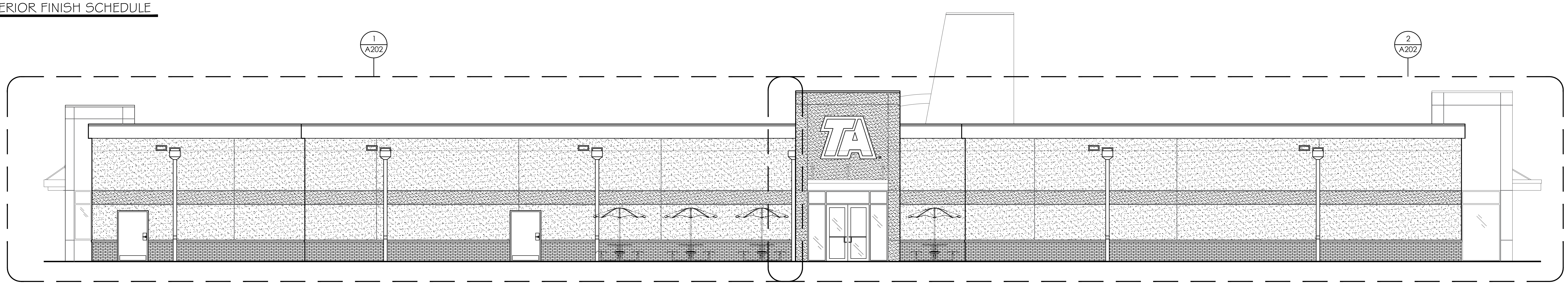
1 REFER TO ELEVATIONS FOR PLANS & DIMENSIONS. DETERMINE ALL GRAPHICS/SIGNAGE APPLICATIONS BY USING FIELD DIMENSIONS ONLY.

2 VERIFY ALL PRODUCTION ARTWORK WITH PARAGON SOLUTIONS AND/OR QSR VENDORS (IF APPLICABLE). MUST BE APPROVED PRIOR TO PRODUCTION.

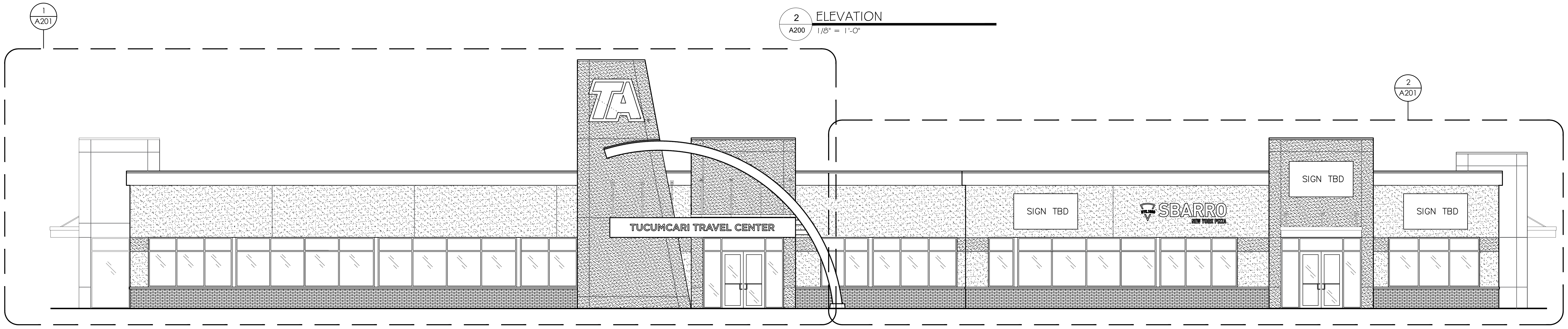
3 GRAPHICS/SIGNAGE PROVIDER RESPONSIBLE FOR PERMITTING AND CODE COMPLIANCE.

4 GRAPHICS/SIGNAGE PROVIDER RESPONSIBLE FOR ALL MOUNTING HARDWARE.

5 PROVIDE INSTALLATION COSTS UNLESS OTHERWISE NOTED.



2 ELEVATION
A200 1/8" = 1'-0"



1 ELEVATION
A200 1/8" = 1'-0"

NOTE:
REFER TO SHEET A-100
FOR FLOOR PLAN.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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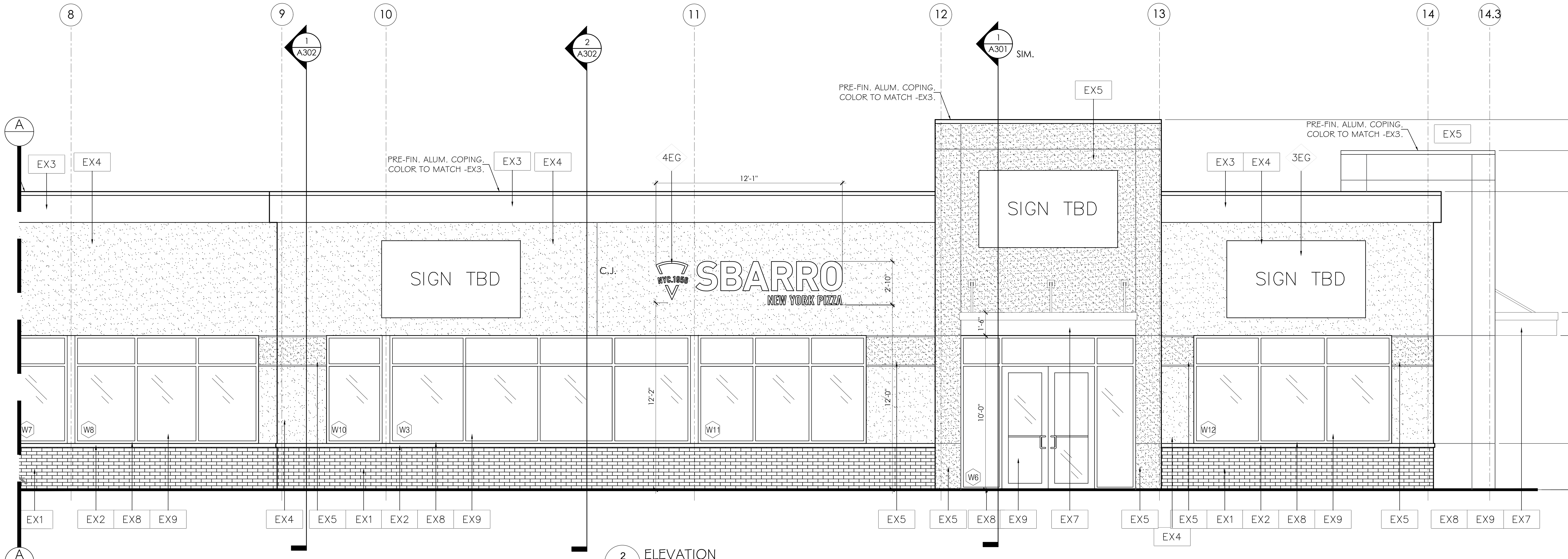
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

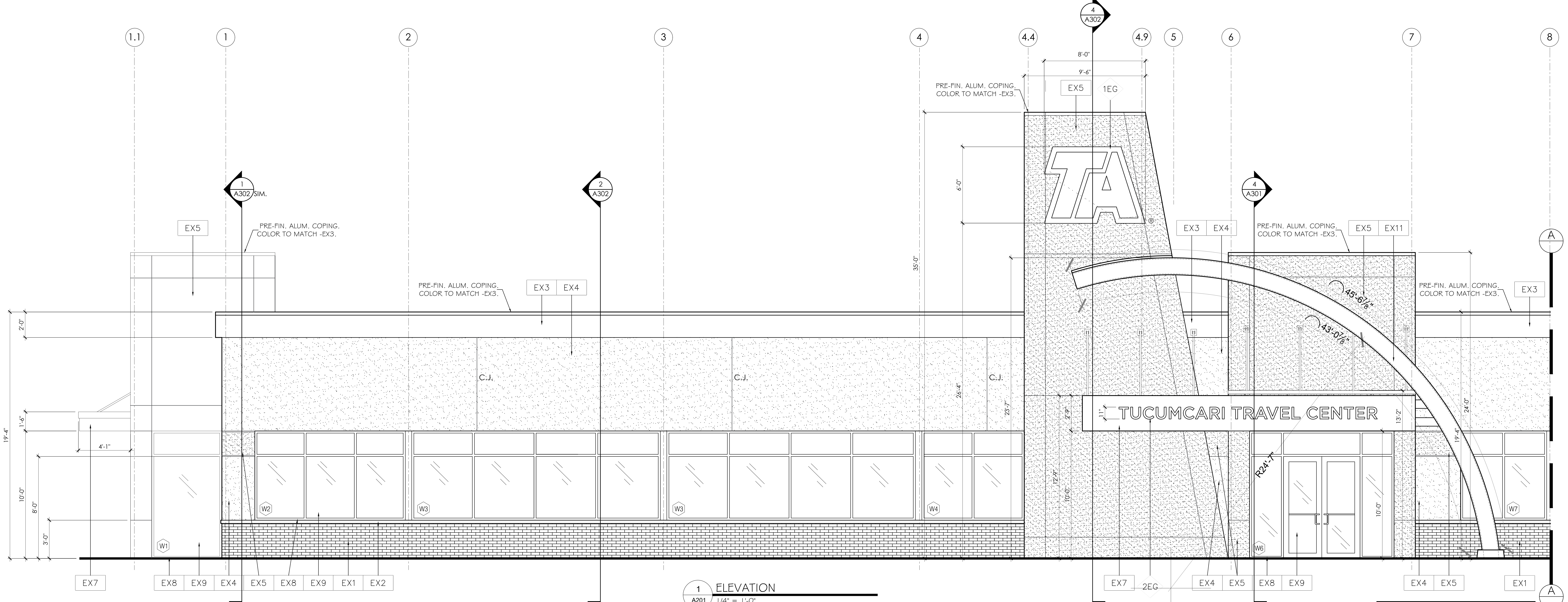
SHEET TITLE:
BUILDING
ELEVATIONS &
EXTERIOR FINISH
SCHEDULE

PROJECT NO: 22057

A200



2 ELEVATION
A201 1/4" = 1'-0"



1 ELEVATION
A201 1/4" = 1'-0"

NOTE:
1. REFER TO SHEET A-200 FOR EXTERIOR FINISHES & GRAPHICS SCHEDULES.
2. REFER TO SHEET A-500 FOR WINDOWS TYPES.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

STATE OF NEW MEXICO
THOMAS E. MORGAN, JR.
NO. 005323
REGISTERED ARCHITECT

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Chris Archuleta
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P. 770-917-9172
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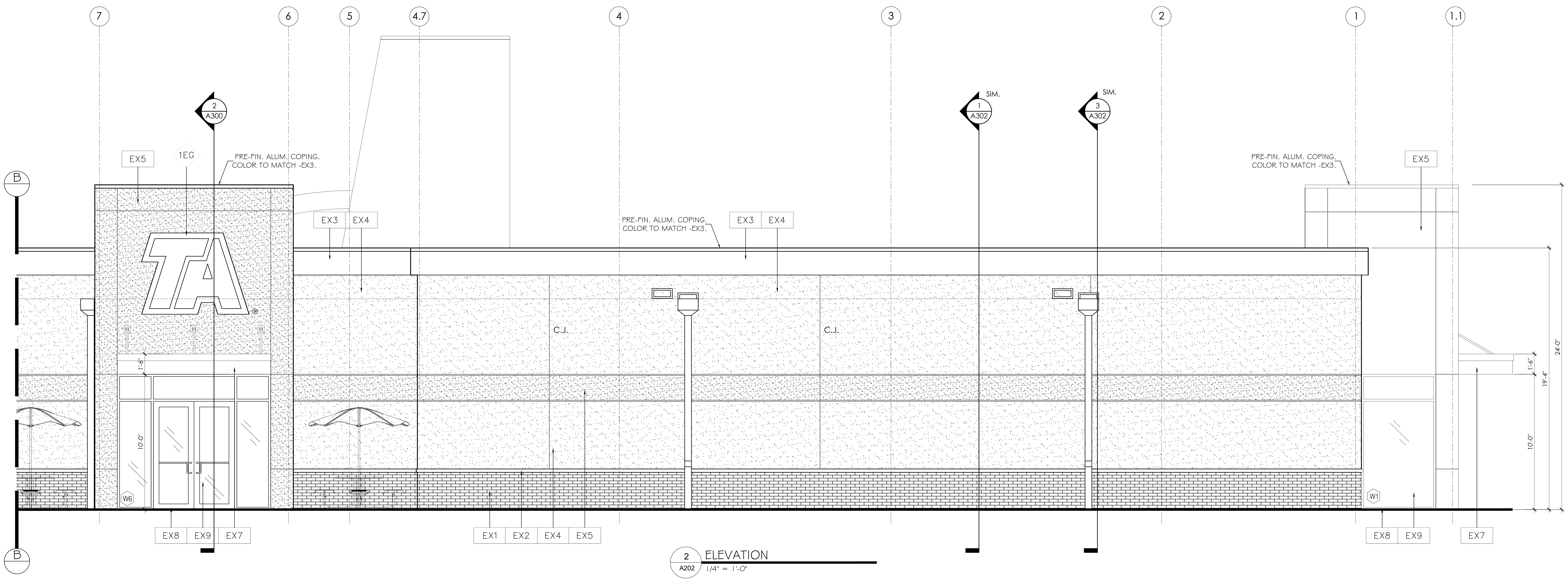
TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

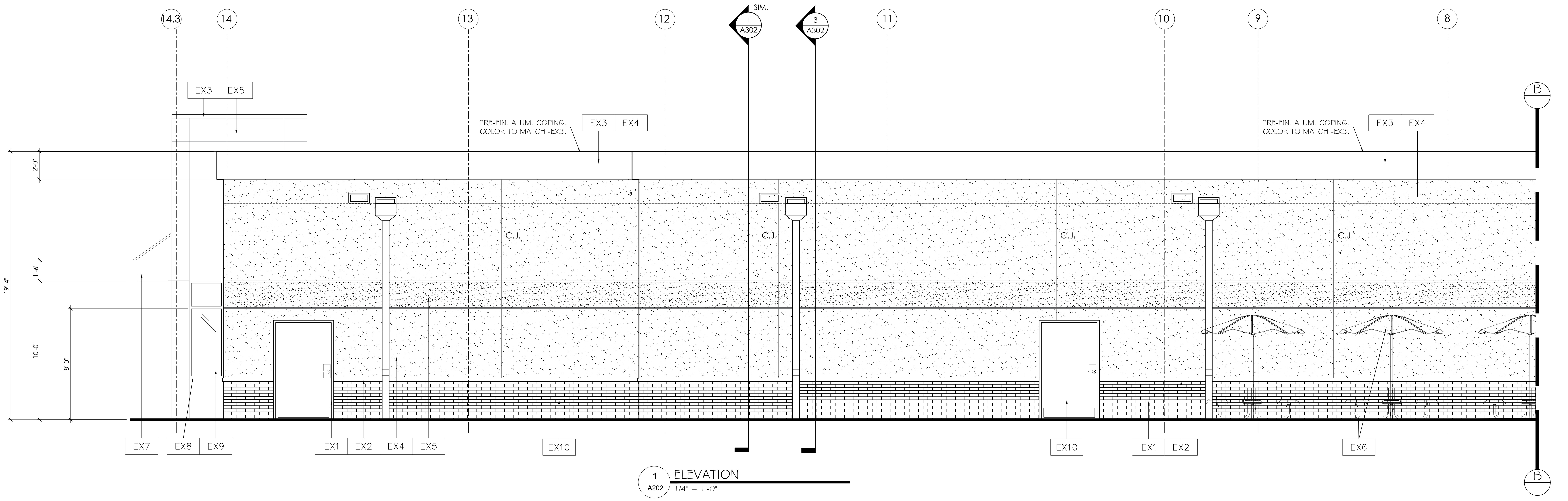
ENLARGED BUILDING ELEVATIONS

PROJECT NO: 22057

A201



2 ELEVATION
A202 1/4" = 1'-0"



1 ELEVATION
A202 1/4" = 1'-0"

NOTE:
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2. REFER TO SHEET A-500 FOR WINDOWS TYPES.

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THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

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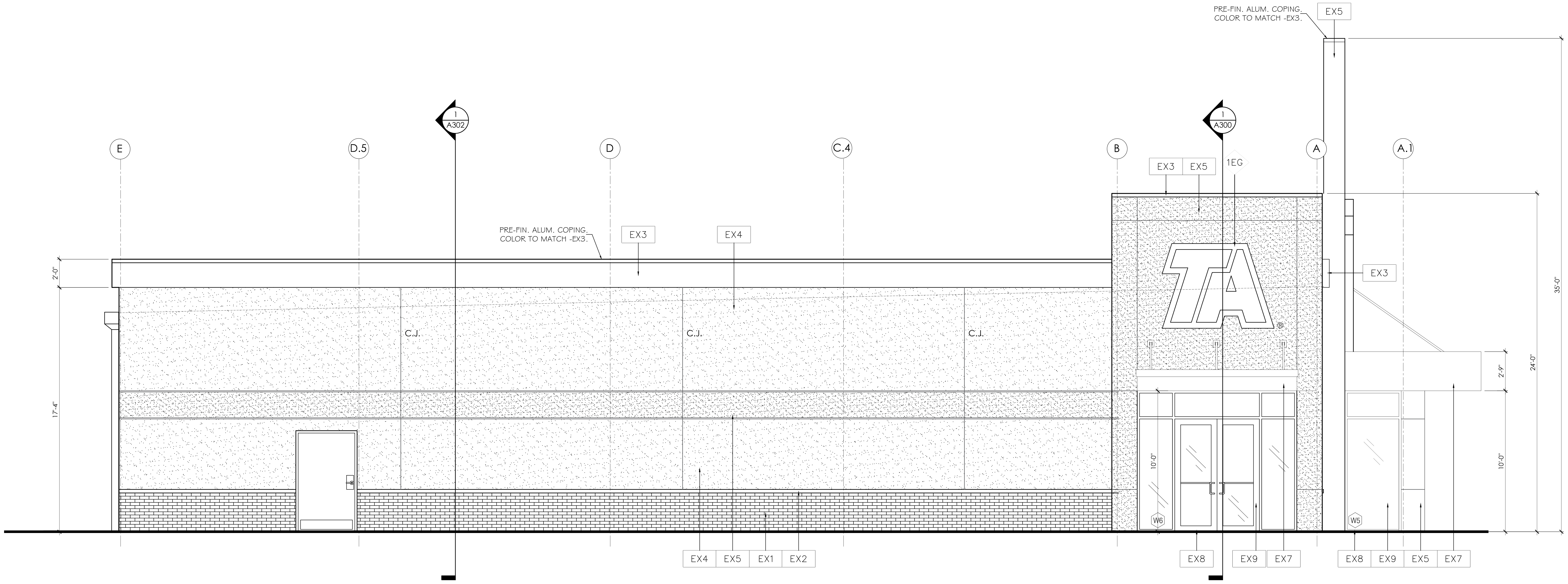
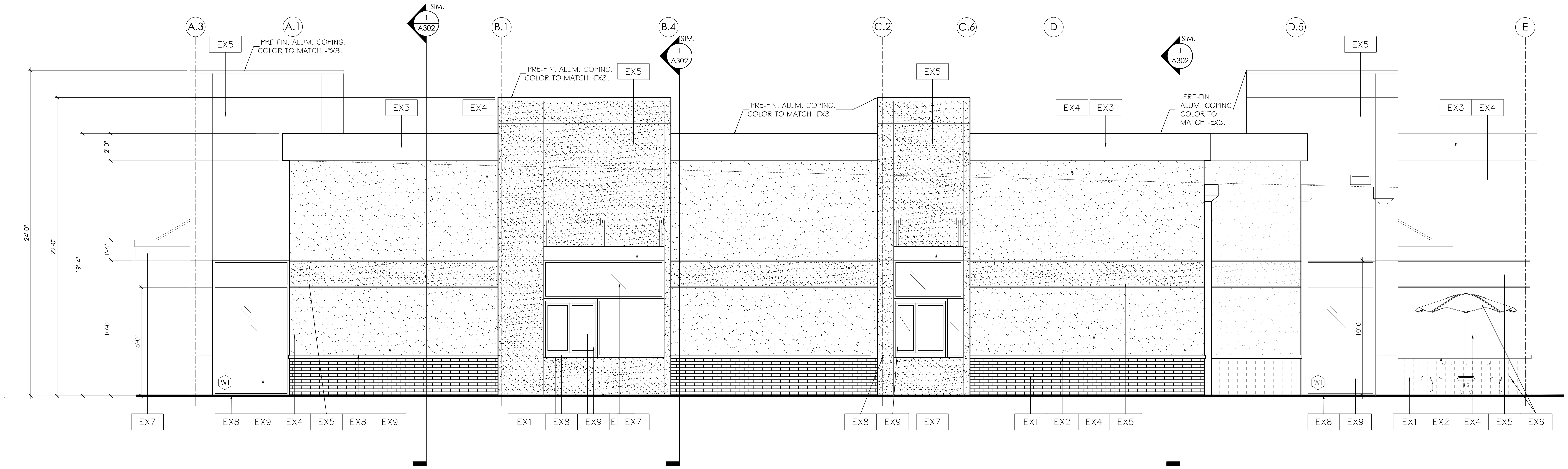
PROJECT NO: 22057

A202



2 ELEVATION
A203
1/8" = 1'-0"



1 ELEVATION
A203
1/8" = 1'-0"

NOTE:

1. REFER TO SHEET A-200 FOR EXTERIOR FINISHES & GRAPHICS SCHEDULES.
2. REFER TO SHEET A-500 FOR WINDOWS TYPES.

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THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
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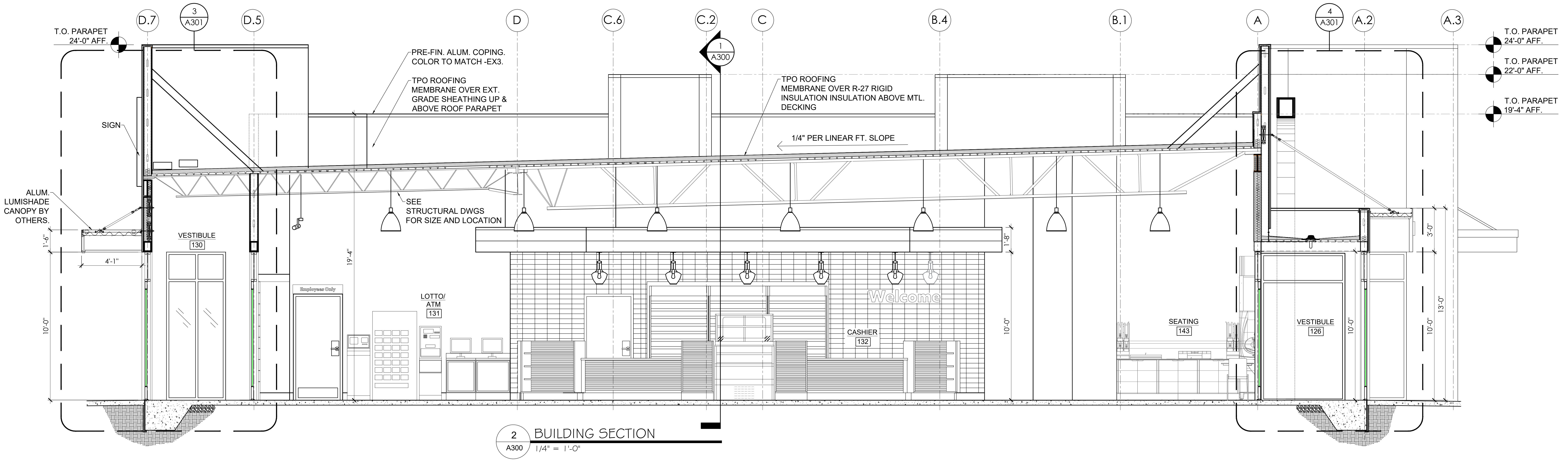
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
ENLARGED BUILDING ELEVATIONS

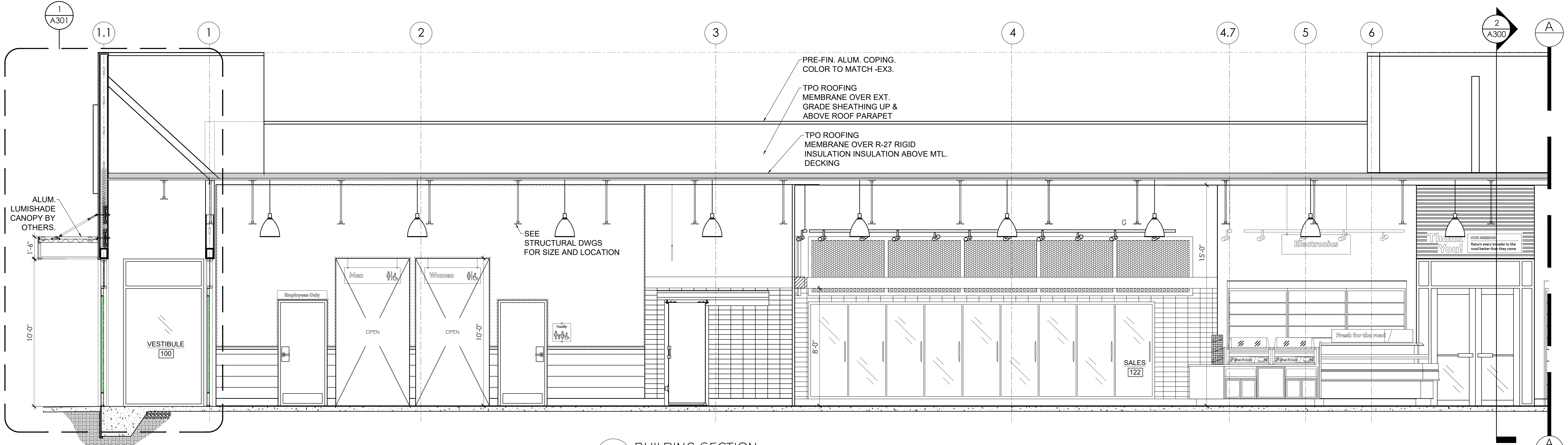
PROJECT NO: 22057

A203



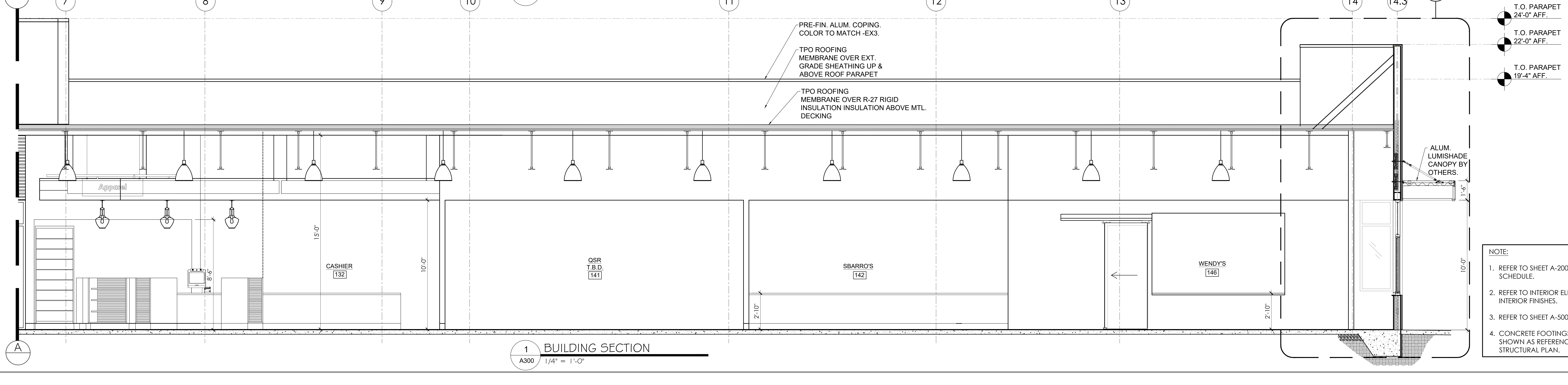
D.7
3 A301
D.5
D
C.6
C.2
1 A300
C
B.4
B.1
A
4 A301
A.2
A.3
T.O. PARAPET 24'-0" AFF.
T.O. PARAPET 22'-0" AFF.
T.O. PARAPET 19'-4" AFF.
PRE-FIN. ALUM. COPING. COLOR TO MATCH -EX3.
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
1/4" PER LINEAR FT. SLOPE
SIGN
ALUM. LUMISHADE CANOPY BY OTHERS.
SEE STRUCTURAL DWGS FOR SIZE AND LOCATION
VESTIBULE 130
LOTTO/ ATM 131
Employees Only
Welcome
CASHIER 132
SEATING 143
VESTIBULE 126
1'-6"
4'-1"
10'-0"
19'-4"
1'-8"
3'-0"
13'-0"

2 A300 BUILDING SECTION
1/4" = 1'-0"



1 A301
1.1
1
2
3
4
4.7
5
6
2 A300
A
PRE-FIN. ALUM. COPING. COLOR TO MATCH -EX3.
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
ALUM. LUMISHADE CANOPY BY OTHERS.
SEE STRUCTURAL DWGS FOR SIZE AND LOCATION
VESTIBULE 100
Employees Only
Men
Women
OPEN
OPEN
Family
Electronics
Fresh for the road
Thank You!
SALES 122
1'-6"
10'-0"
10'-0"
8'-0"
15'-0"

1 A300 BUILDING SECTION
1/4" = 1'-0"



A
7
8
9
10
11
12
13
14
14.3
2 A301
T.O. PARAPET 24'-0" AFF.
T.O. PARAPET 22'-0" AFF.
T.O. PARAPET 19'-4" AFF.
PRE-FIN. ALUM. COPING. COLOR TO MATCH -EX3.
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
ALUM. LUMISHADE CANOPY BY OTHERS.
Apparel
CASHIER 132
QSR T.B.D. 141
SBARRO'S 142
WENDY'S 146
15'-0"
10'-0"
8'-6"
2'-10"
2'-10"
1'-6"
10'-0"

1 A300 BUILDING SECTION
1/4" = 1'-0"

NOTE:

1. REFER TO SHEET A-200 FOR EXTERIOR FINISH SCHEDULE.
2. REFER TO INTERIOR ELEVATIONS FOR INTERIOR FINISHES.
3. REFER TO SHEET A-500 FOR WINDOWS TYPES.
4. CONCRETE FOOTINGS AND FOUNDATION SHOWN AS REFERENCE ONLY. SEE STRUCTURAL PLAN.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
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A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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DATE	DESCRIPTION
07/17/23	OWNER REVIEW

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CHK'D BY:

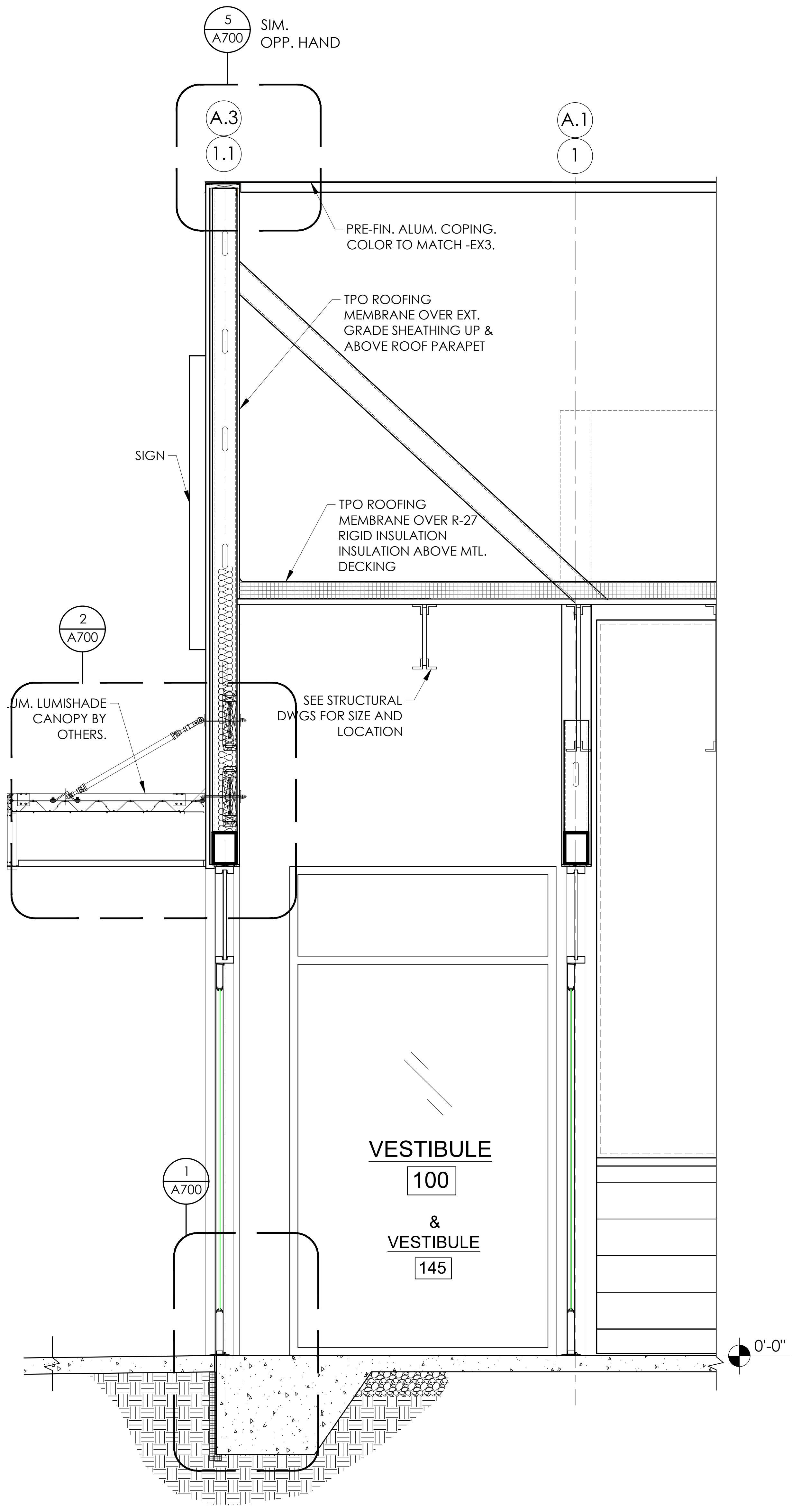
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

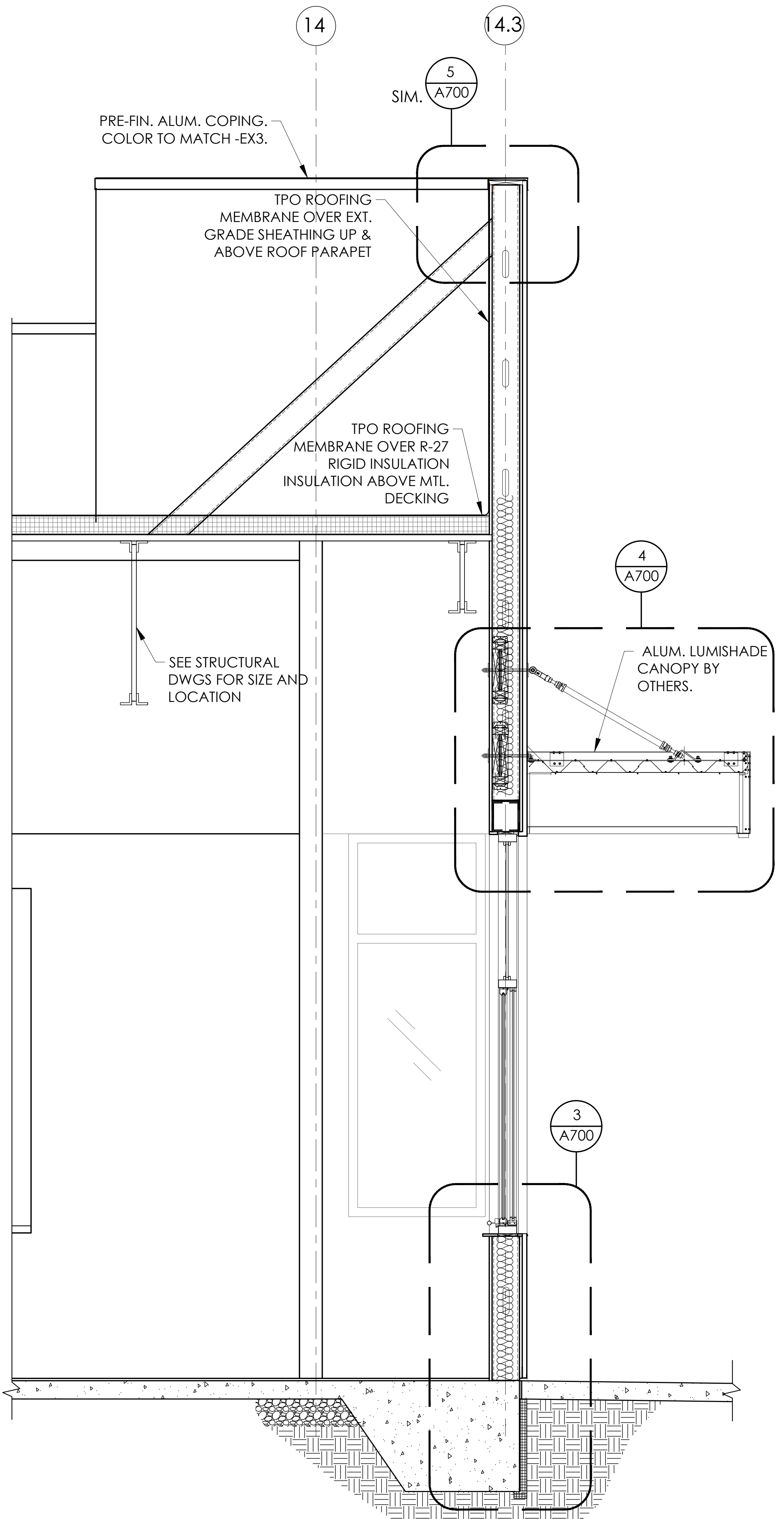
SHEET TITLE:
BUILDING SECTIONS

PROJECT NO: 22057

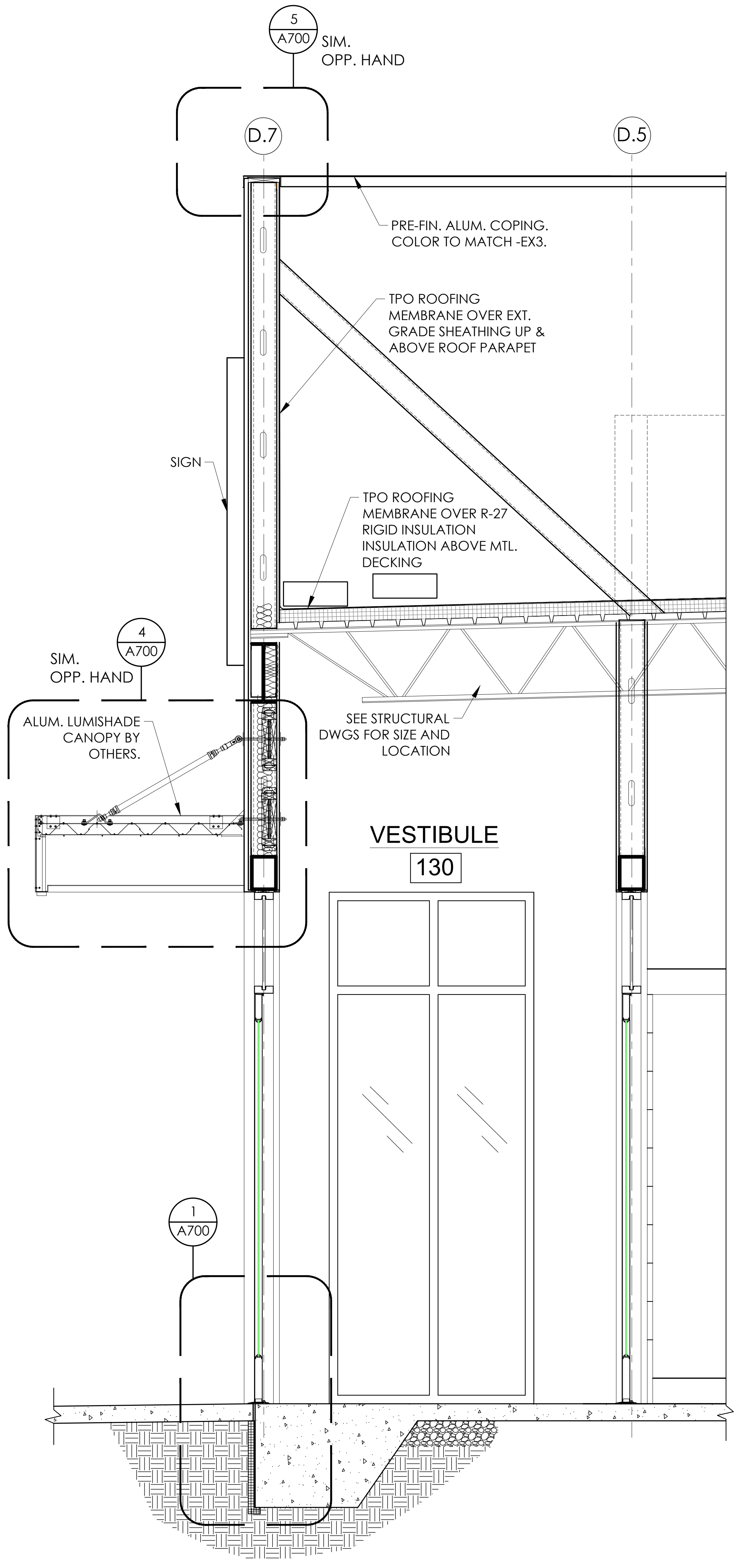
A300



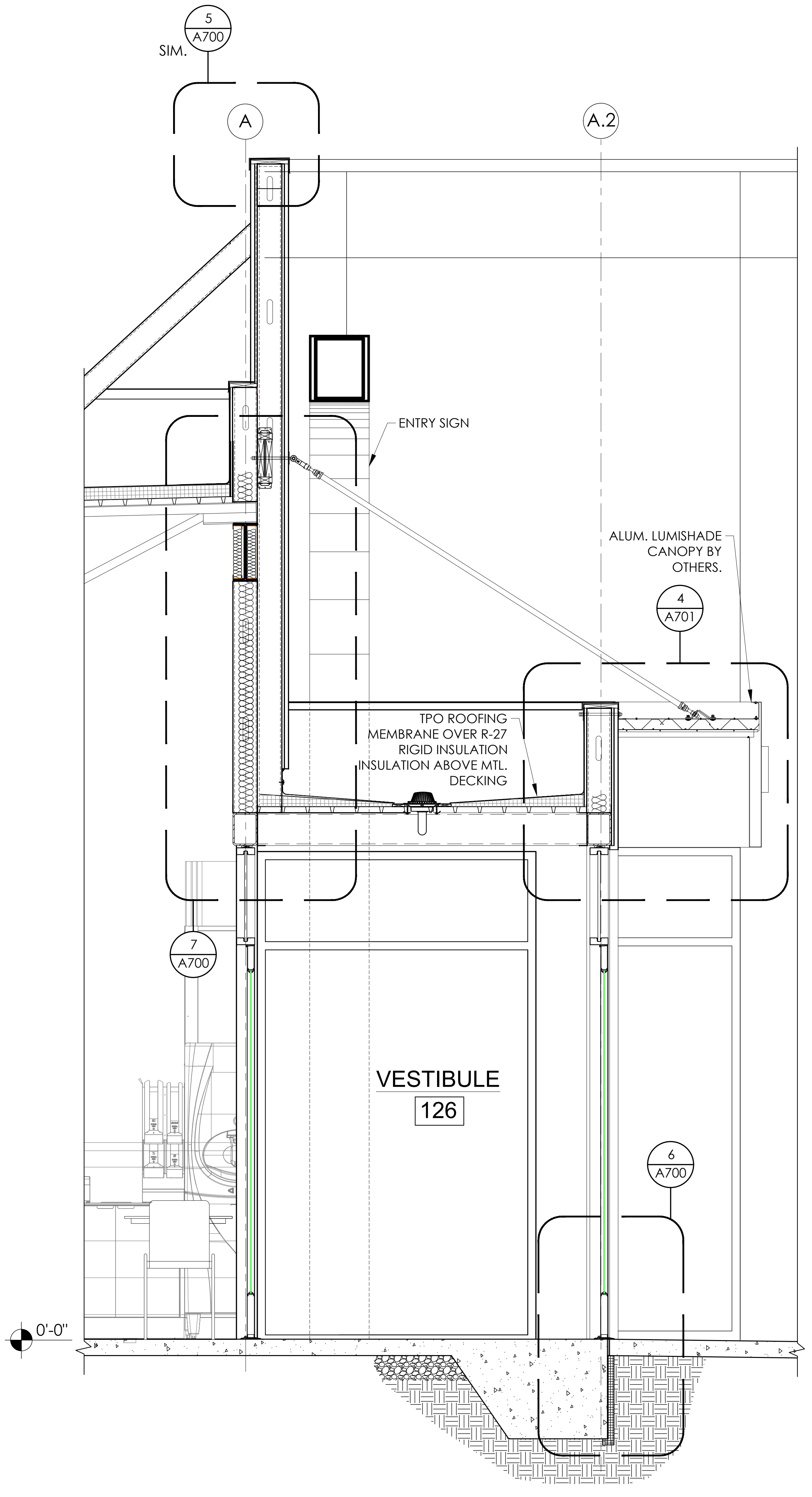
1 WALL SECTION
A301 1/2" = 1'-0"



2 WALL SECTION
A301 1/2" = 1'-0"



3 WALL SECTION
A301 1/2" = 1'-0"



4 WALL SECTION
A301 1/2" = 1'-0"

NOTE:
REFER TO SHEET A-100 FOR FLOOR PLAN

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

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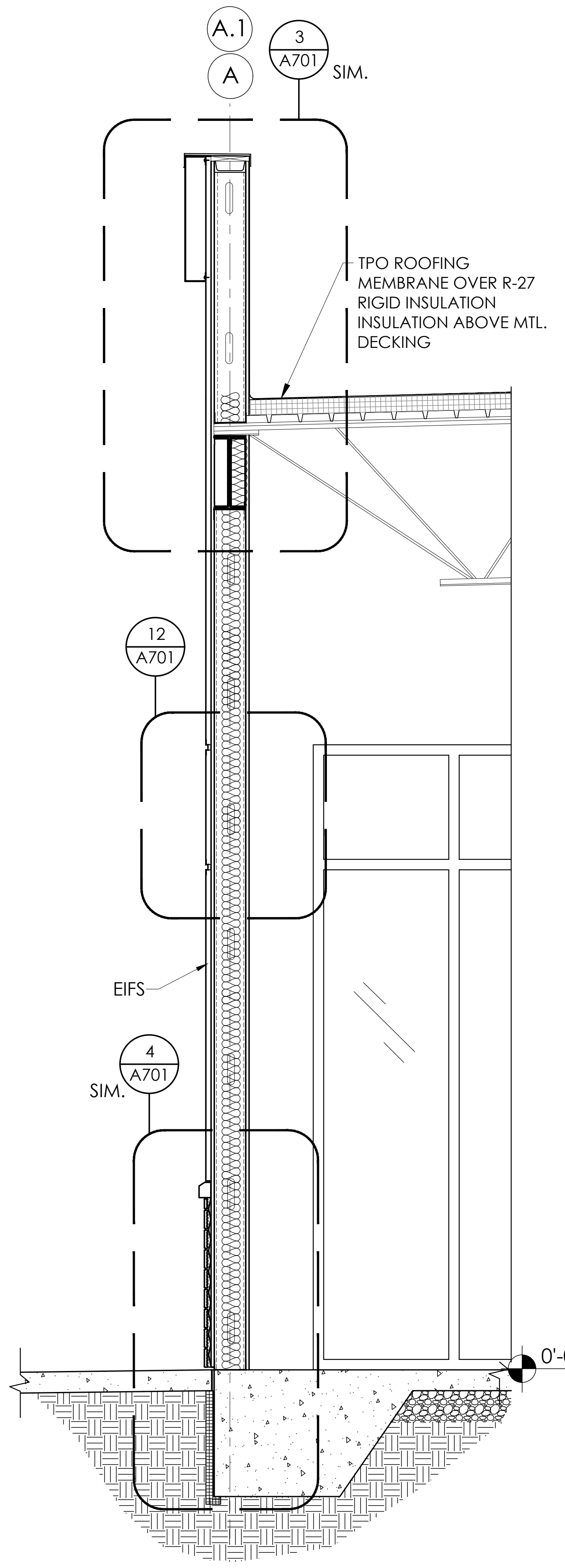
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

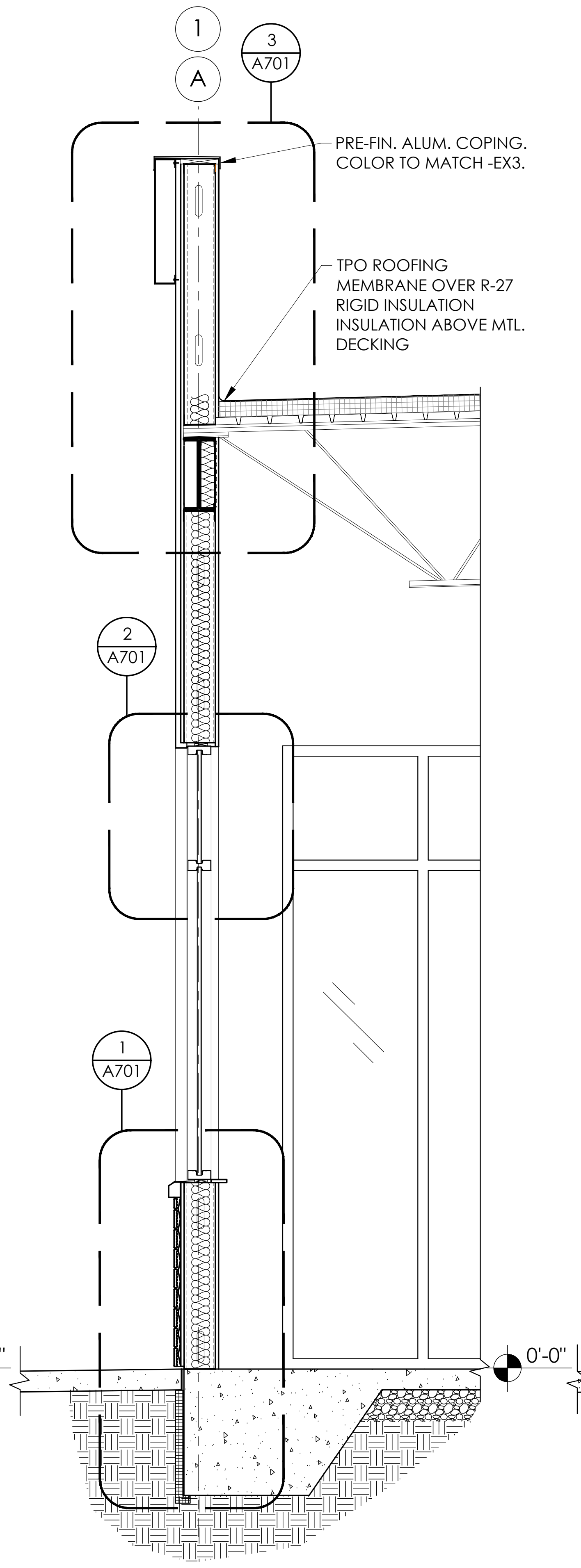
WALL SECTIONS

PROJECT NO: 22057

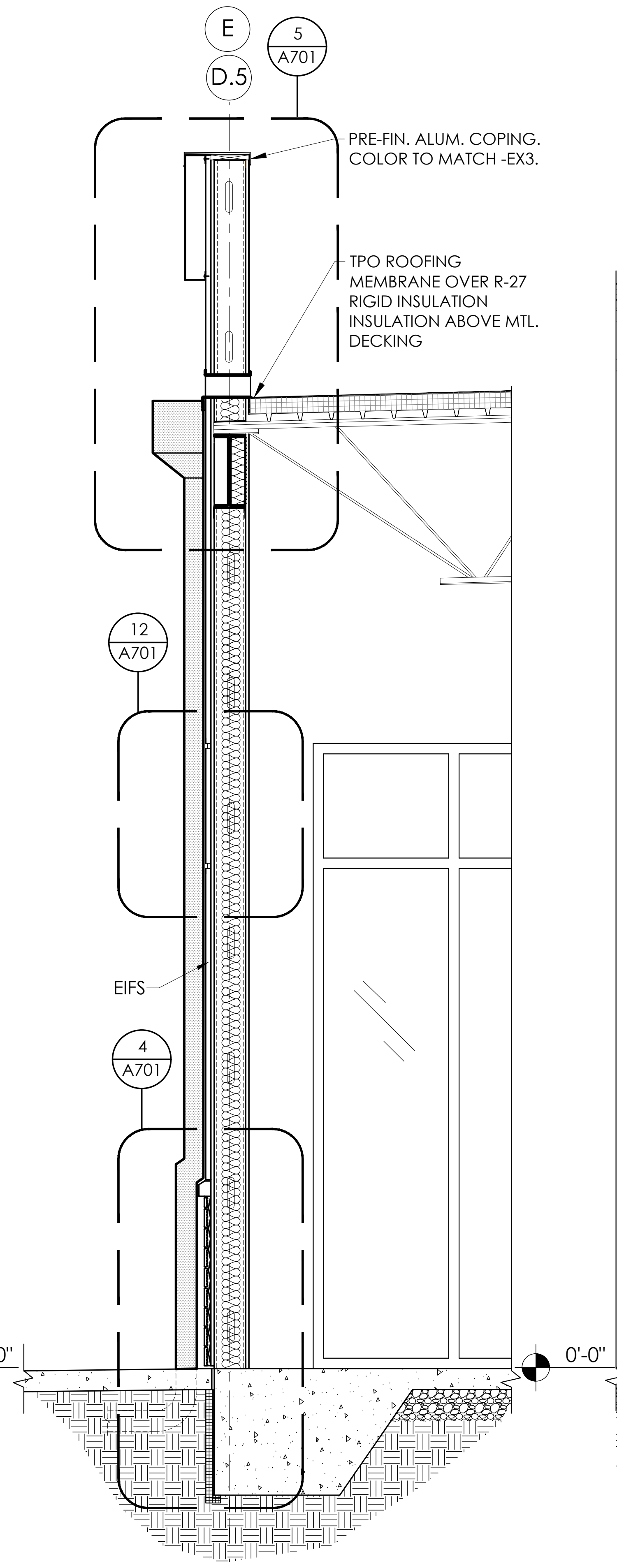
A301


A.1
A
3
A701
SIM.
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
12
A701
EIFS
4
A701
SIM.
0'-0"

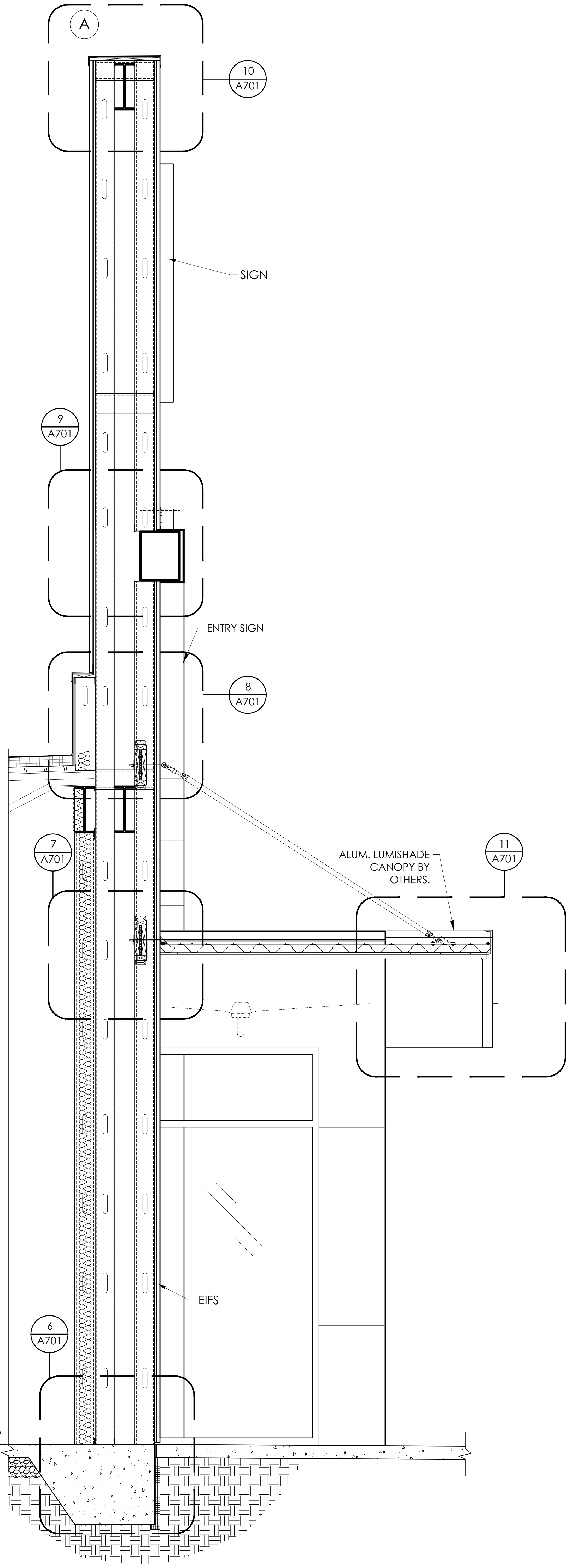
1 A302 WALL SECTION
1/2" = 1'-0"


1
A
3
A701
PRE-FIN. ALUM. COPING. COLOR TO MATCH -EX3.
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
2
A701
1
A701
0'-0"

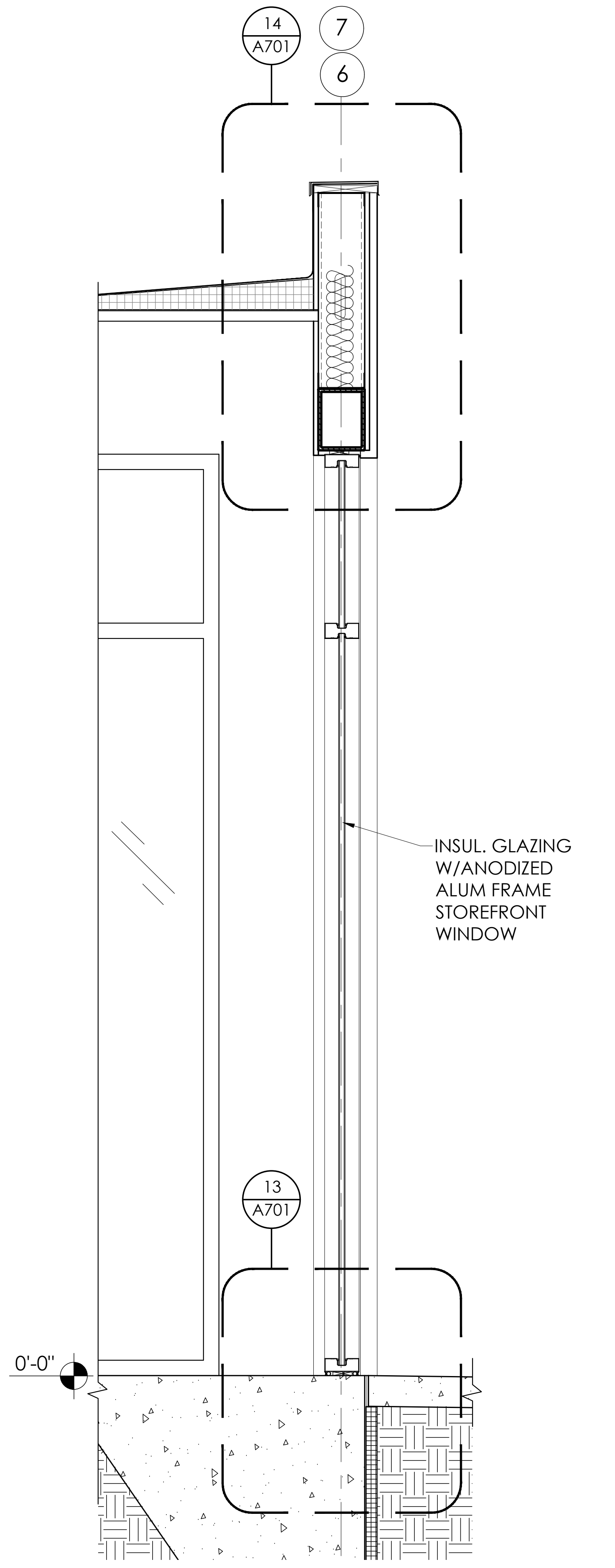
2 A302 WALL SECTION
1/2" = 1'-0"


E
D.5
5
A701
PRE-FIN. ALUM. COPING. COLOR TO MATCH -EX3.
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
12
A701
EIFS
4
A701
0'-0"

3 A302 WALL SECTION
1/2" = 1'-0"



4 A302 WALL SECTION
1/2" = 1'-0"



5 A302 WALL SECTION @ VESTIBULE 126
3/4" = 1'-0"

NOTE:
REFER TO SHEET A-100 FOR FLOOR PLAN

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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P. 770-917-9172
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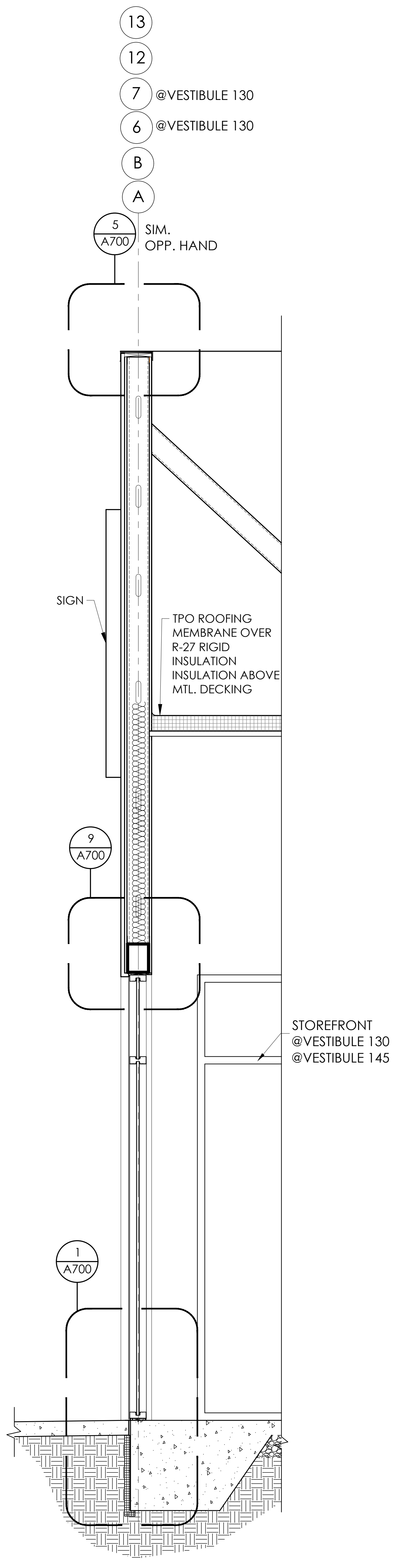
PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

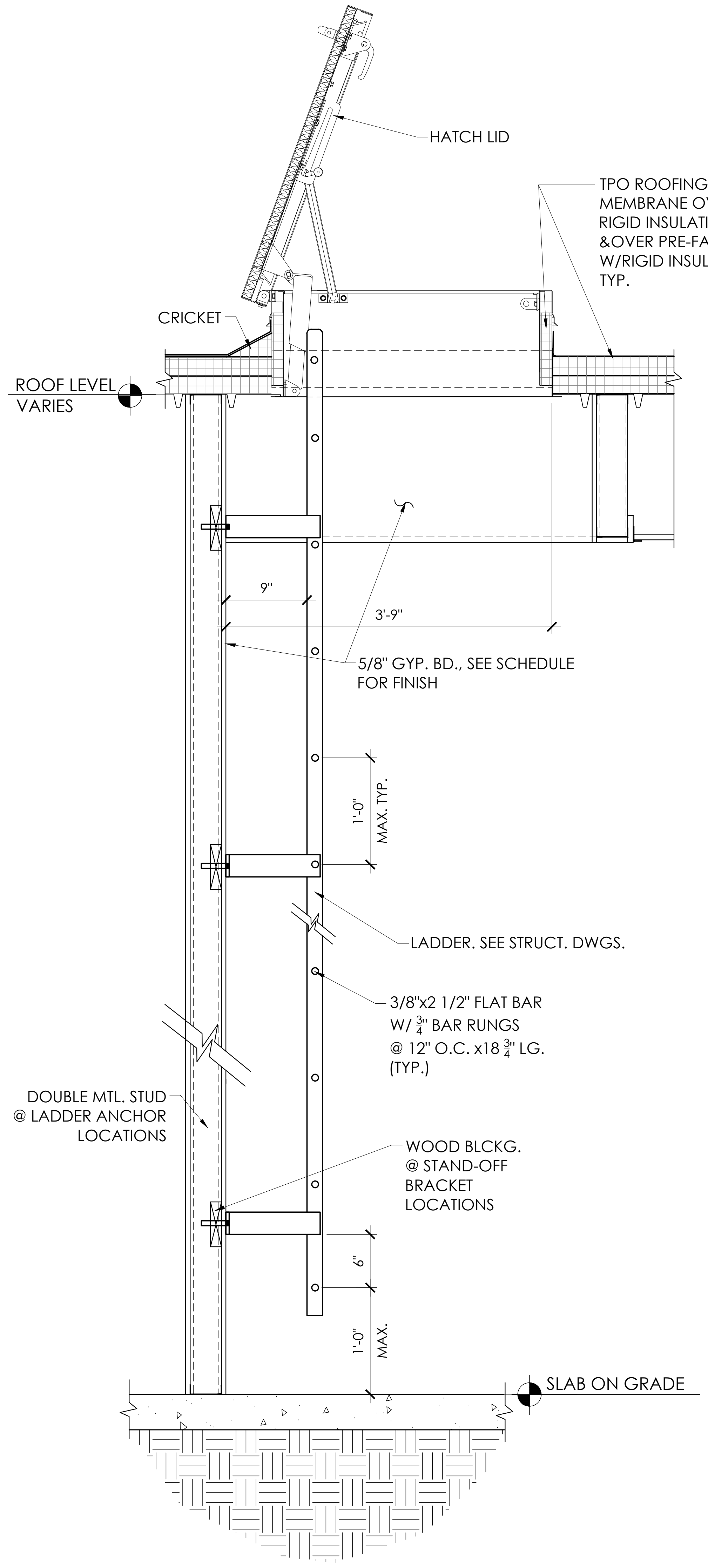
SHEET TITLE:
WALL SECTIONS

PROJECT NO: 22057

A302


13
12
7 @VESTIBULE 130
6 @VESTIBULE 130
B
A
5 A700 SIM. OPP. HAND
SIGN
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION INSULATION ABOVE MTL. DECKING
9 A700
STOREFRONT @VESTIBULE 130 @VESTIBULE 145
1 A700

1 A303 WALL SECTION
1/2" = 1'-0"


HATCH LID
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION, UP &OVER PRE-FAB. GALV. W/RIGID INSUL. CURB, TYP.
CRICKET
ROOF LEVEL VARIES
9"
3'-9"
5/8" GYP. BD., SEE SCHEDULE FOR FINISH
1'-0" MAX. TYP.
LADDER. SEE STRUCT. DWGS.
3/8"x2 1/2" FLAT BAR W/ $\frac{3}{4}$" BAR RUNGS @ 12" O.C. x18 $\frac{3}{4}$" LG. (TYP.)
DOUBLE MTL. STUD @ LADDER ANCHOR LOCATIONS
WOOD BLCKG. @ STAND-OFF BRACKET LOCATIONS
6"
1'-0" MAX.
SLAB ON GRADE

2 A303 ROOF ACCESS LADDER SECTION
1" = 1'-0"

NOTE:
REFER TO SHEET A-100 FOR FLOOR PLAN

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

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F. 770-917-9470
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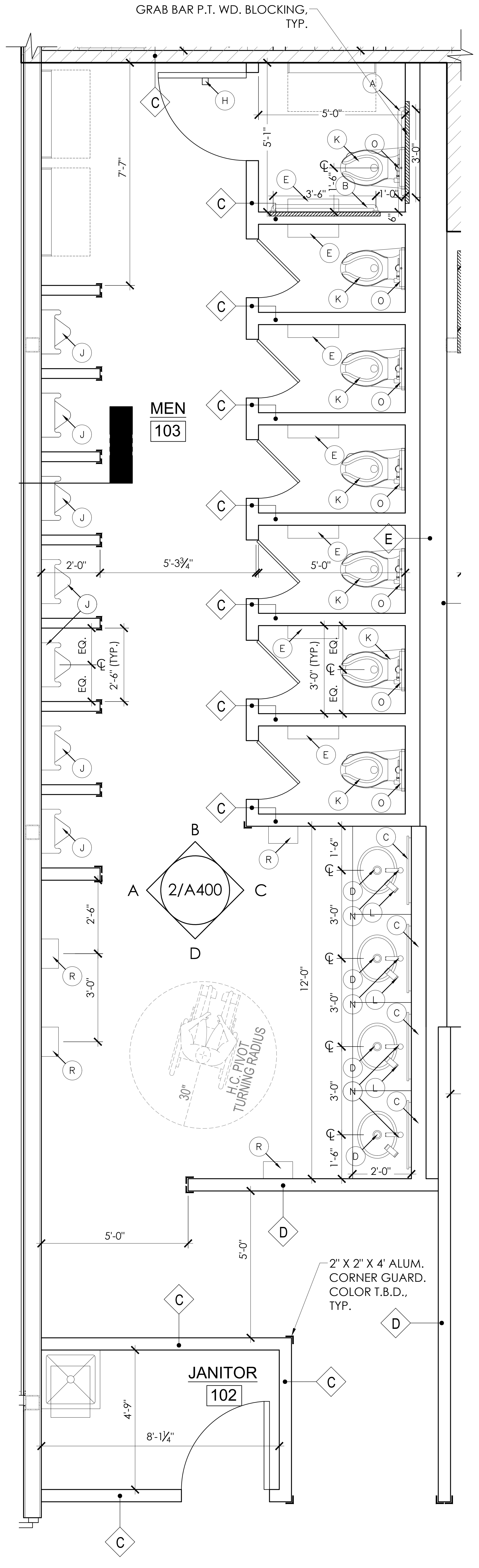
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

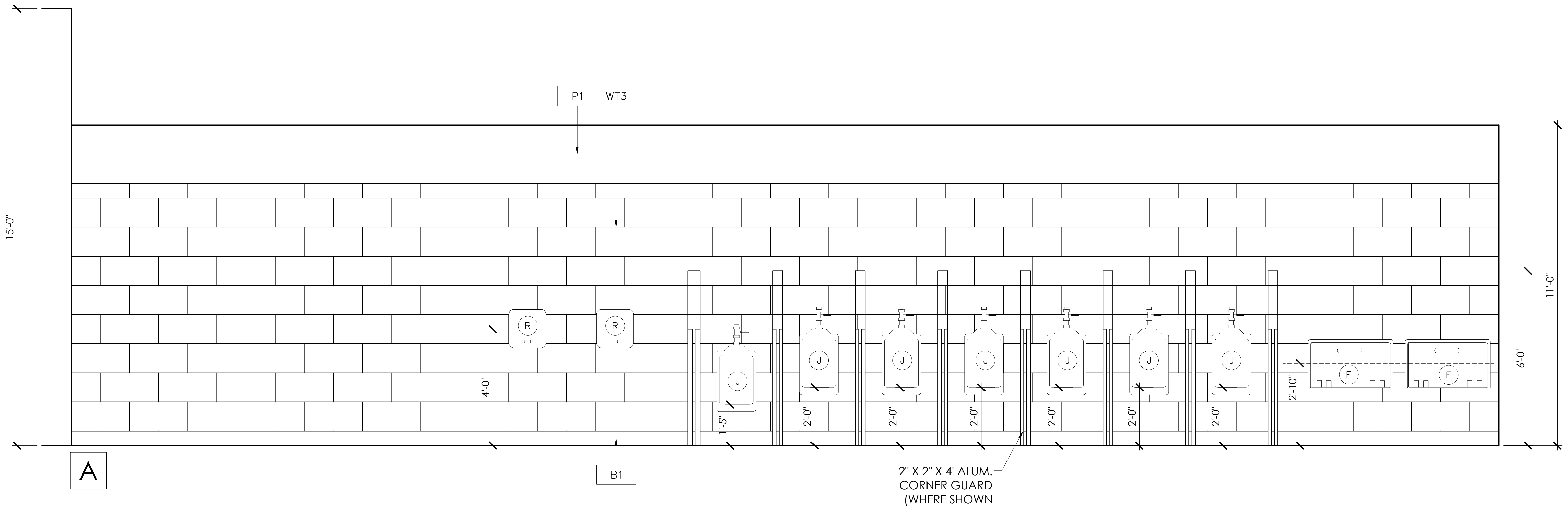
WALL SECTIONS

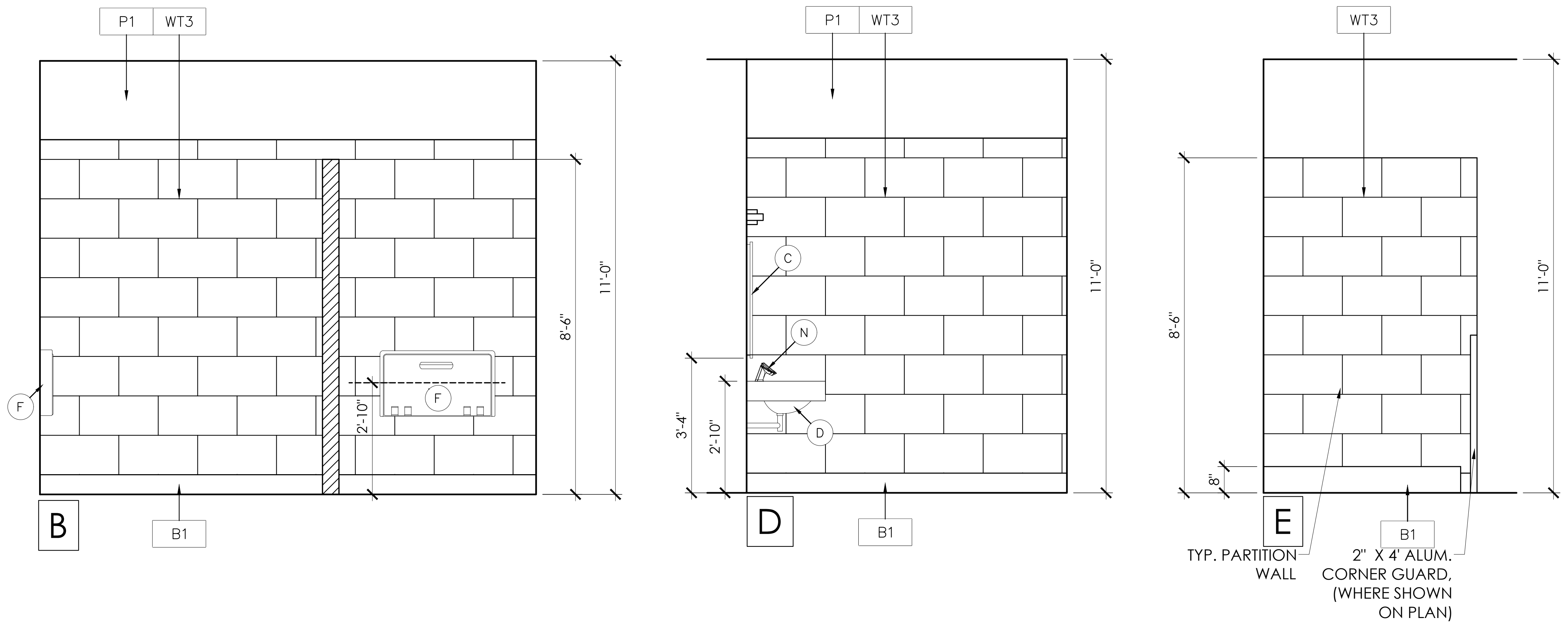
PROJECT NO: 22057

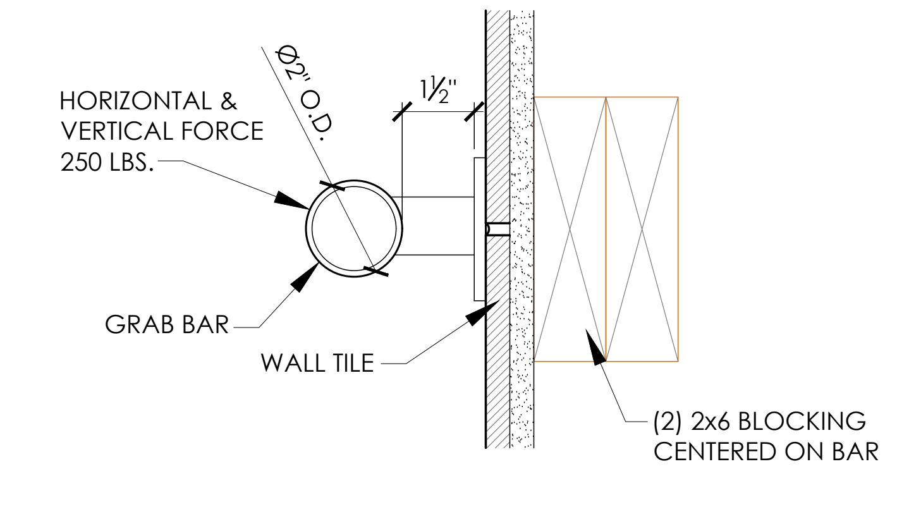
A303



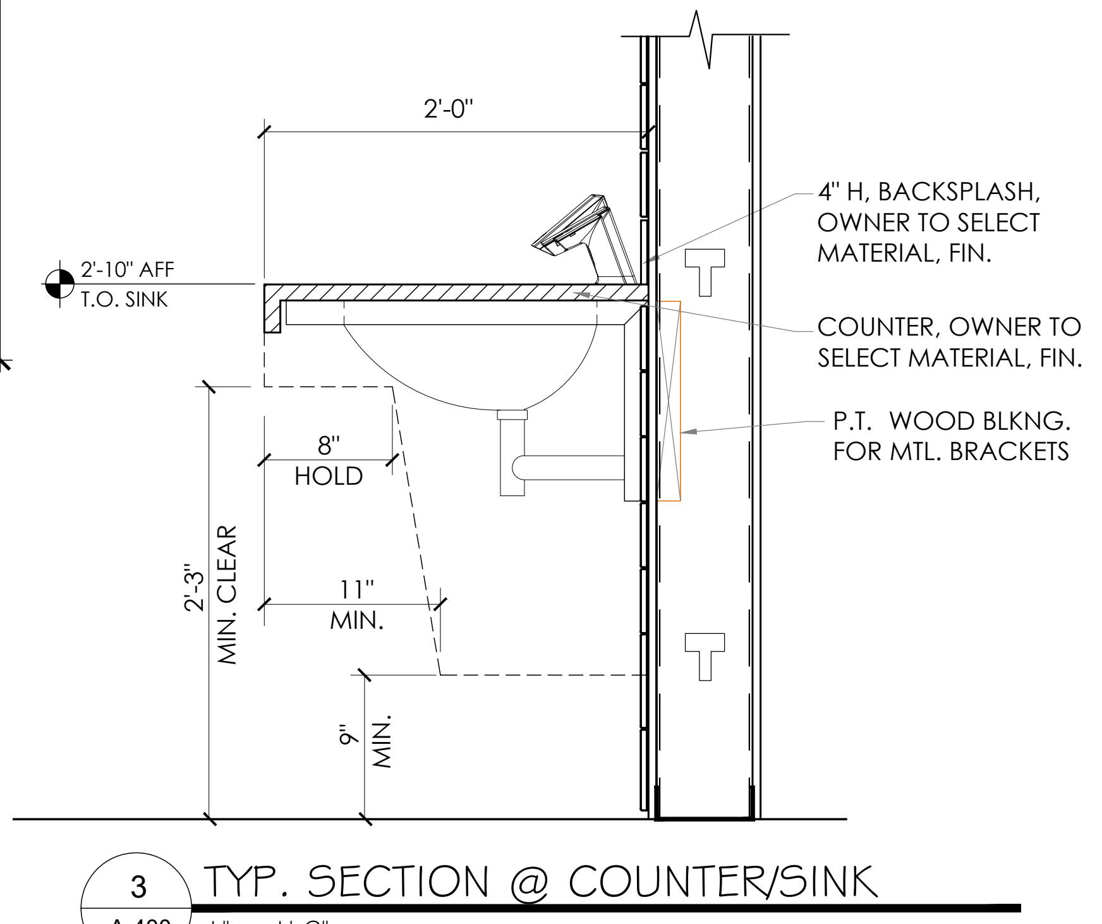
1 ENLARGED FLOOR PLAN
A400
3/8" = 1'-0"






HORIZONTAL & VERTICAL FORCE 250 LBS.
Ø2" O.D.
1½"
GRAB BAR
WALL TILE
(2) 2x6 BLOCKING CENTERED ON BAR

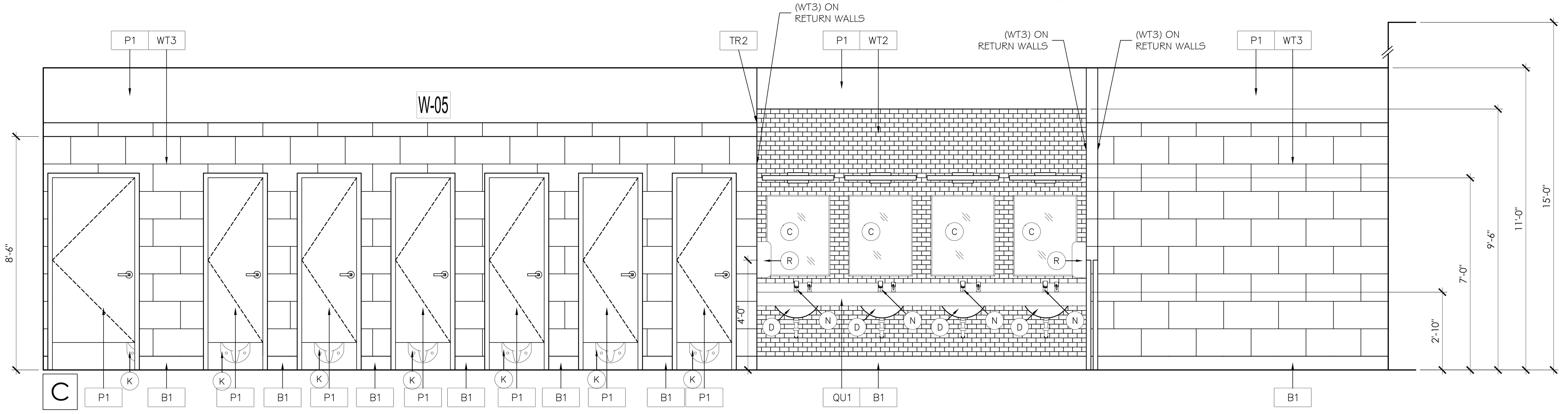
4 GRAB BAR INSTALLATION DETAIL
A-400
3" = 1'-0"


2'-0"
2'-10" AFF T.O. SINK
4" H, BACKSPLASH, OWNER TO SELECT MATERIAL, FIN.
COUNTER, OWNER TO SELECT MATERIAL, FIN.
P.T. WOOD BLKNG. FOR MTL. BRACKETS
8" HOLD
2'-3" MIN. CLEAR
11" MIN.
9" MIN.

3 TYP. SECTION @ COUNTER/SINK
A-400
1" = 1'-0"

PUBLIC, FAMILY BATHROOMS, ADA ACCESSIBLE, SHOWER ROOMS FIXTURE SCHEDULE

TEM NO.	DESCRIPTION	MANUF.	MODEL No.	MOUNTING HEIGHT	REMARKS
Ⓐ	GRAB BARS	BOBRICK	812-36	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓑ	GRAB BARS	BOBRICK	812-42	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓒ	VANITY MIRROR	BOBRICK	B-290	40" MAX. A.F.F.	CHANNEL FRAME, ADA INSTALL. HGT. COMPLIANT
Ⓓ	SINK	KOHLER	BACHATA	2'-10 AFF	ADA COMPLIANT, WHITE
Ⓔ	TOILET PAPER DISPENSER	TORK	5511282	28" AFF-ADA COMP., (TOP OF DISPENSER)	SURFACE MOUNTED
Ⓕ	BABY CHANGING STATION	KOALA	962	CHANGING SURFACE TO BE @ 2'-10" AFF	WALL MOUNTED
Ⓖ	TOILET/URINAL STALL PART.				T.B.D.
Ⓗ	COAT HOOK	BRADLEY	9114	4'-0" AFF ADA COMPLIANT	HEAVY DUTY SATIN NICKEL FIN., 300 LB OF DOWNWARD PULL
Ⓘ	NAPKIN DISPOSAL	BOBRICK	B-35139		STAINLESS STEEL, SURFACE MOUNTED
Ⓙ	URINAL	AMERICAN STANDARD	6581001.020		WHITE
Ⓚ	TOILET	TOTO	CT708U	15" - 17" AFF	WHITE, WALL MOUNTED, ADA COMPLIANT
Ⓛ	SOAP DISPENSER	BRADLEY	6-3100		BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓜ	FOLDABLE SEAT				VERIFY WITH OWNER, INSIDE SHOWER, OUTSIDE OR BOTH
Ⓝ	FAUCET	BRADLEY	CRESTT SERIES S53-3100	2'-10 AFF	BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓞ	SURF. MTD. SEAT COVER DISP.	BOBRICK	B-221	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL, SURFACE MOUNTED
Ⓟ	GRAB BARS	MOEN	8912	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL
Ⓠ	TOILET	TOTO	CT705UN	15" - 17" AFF	WHITE FLOOR MOUNTED, ADA COMPLIANT
Ⓡ	HAND DRYER	XLERATOR			HIGH EFFICIENCY XL NON-HEATED SURF. MOUNTED ADA COMP.



2 MEN'S BATHROOM ELEVATIONS
A-401
3/8" = 1'-0"

NOTE:
1. REFER TO SHEET A-100 FOR FLOOR PLAN.
2. REFER TO SHEET A-120 FOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

STATE OF NEW MEXICO
THOMAS E. MORGAN, JR.
NO. 005323
REGISTERED ARCHITECT

REVIEWED
GENERAL BUILDING
Chris Archuleta
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
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PROJECT DESCRIPTION:
PROJECT DESCRIPTION

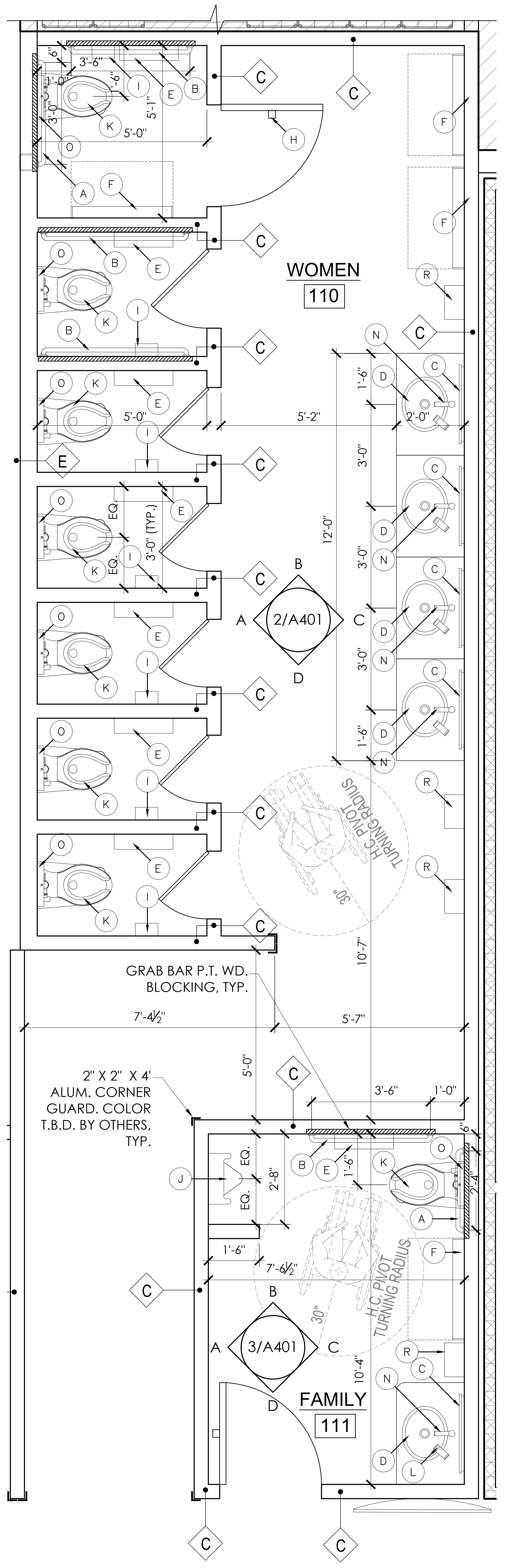
PROJECT TITLE:

TA
TRAVEL CENTER
TUCUMCARI, NM

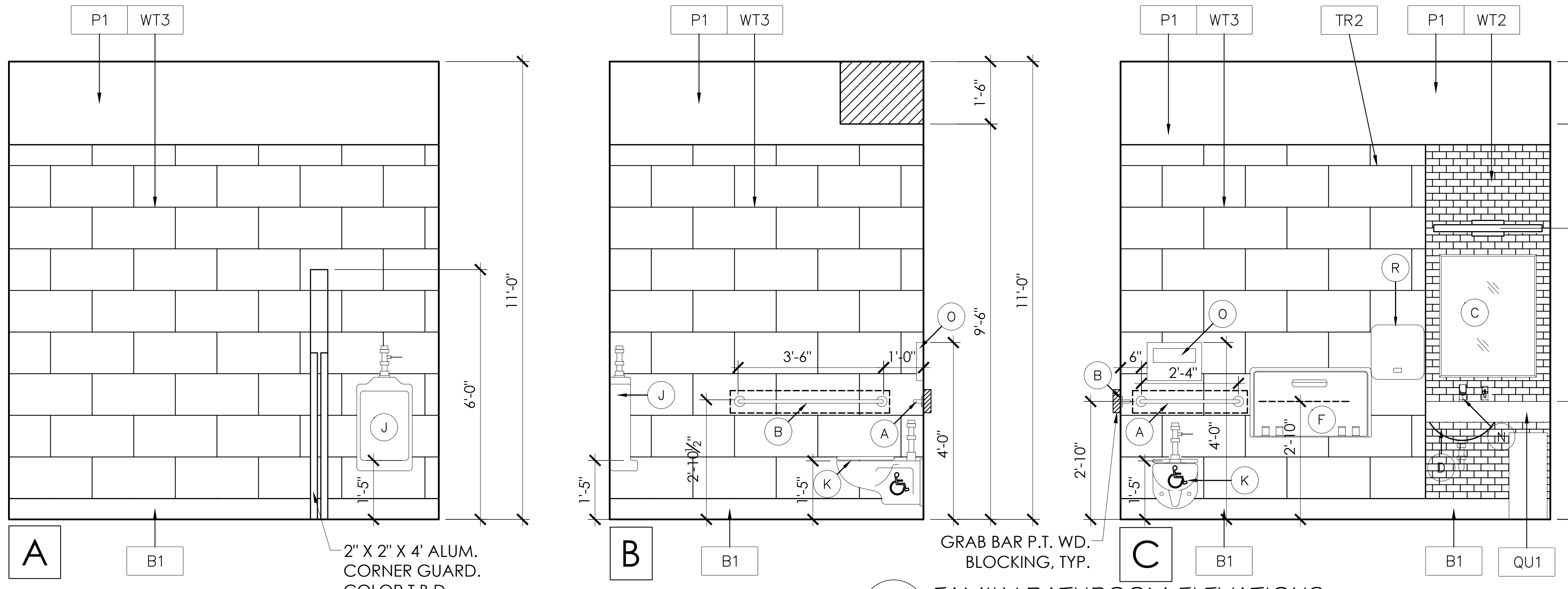
SHEET TITLE:
ENLARGED PUBLIC BATHROOMS

PROJECT NO: 22057

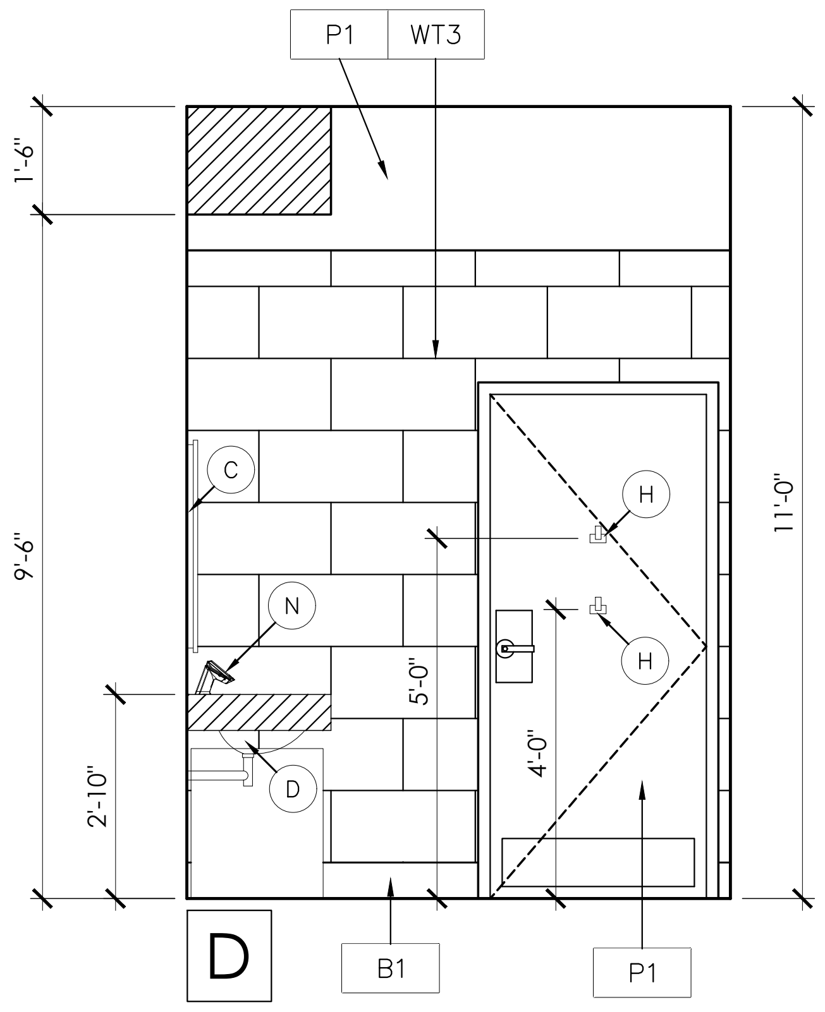
A400

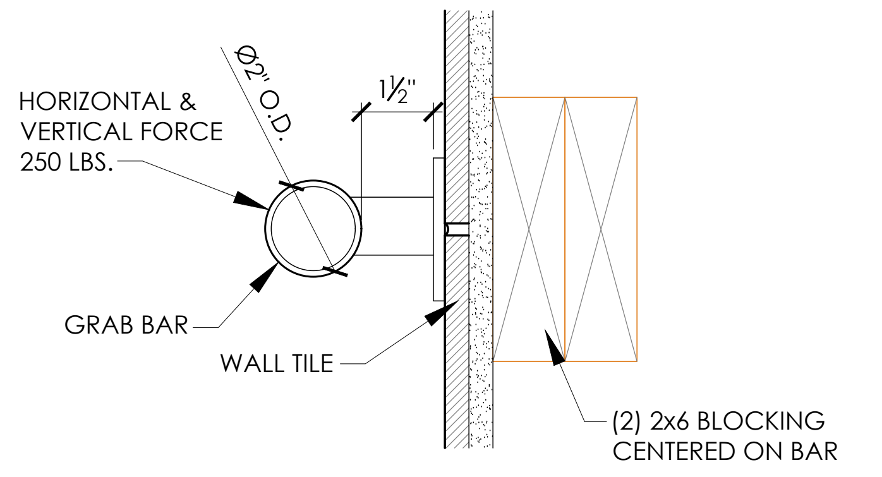

WOMEN
110
FAMILY
111
2/A401
3/A401
H.C. PIVOT TURNING RADIUS
GRAB BAR P.T. WD. BLOCKING, TYP.
2" X 2" X 4' ALUM. CORNER GUARD. COLOR T.B.D. BY OTHERS, TYP.
7'-4½"
5'-7"
3'-6"
1'-0"
5'-0"
5'-2"
12'-0"
10'-7"
10'-4"
A
B
C
D
E
F
H
I
J
K
N
O
R

1 ENLARGED FLOOR PLAN
A401 3/8" = 1'-0"

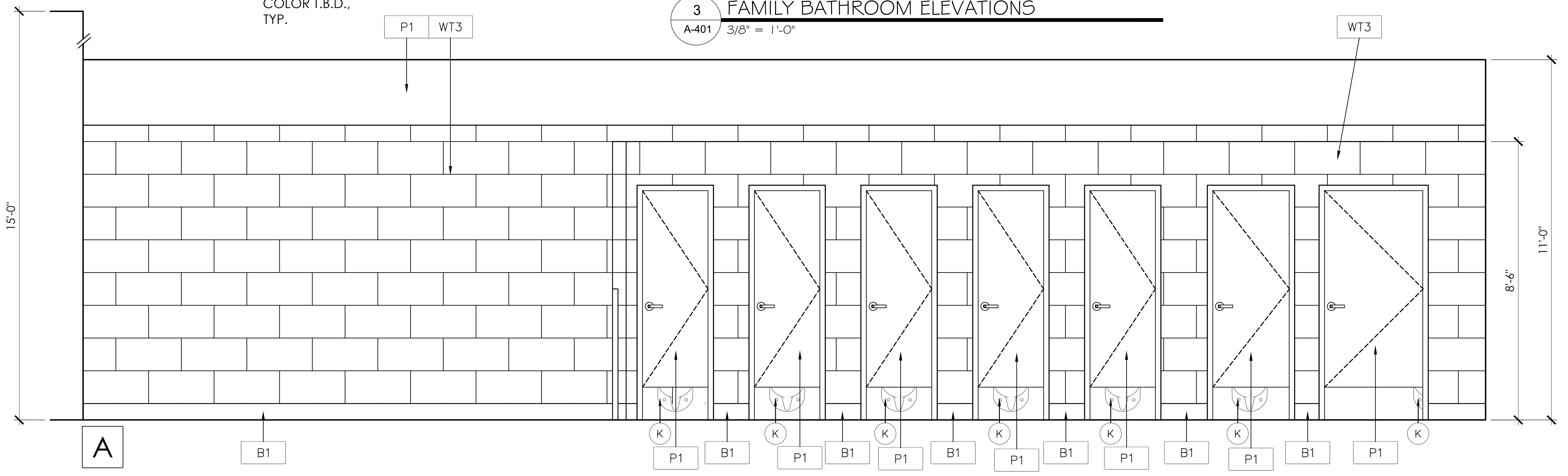

P1
WT3
TR2
WT2
B1
QU1
A
B
C
D
2" X 2" X 4' ALUM. CORNER GUARD. COLOR T.B.D., TYP.
GRAB BAR P.T. WD. BLOCKING, TYP.
11'-0"
9'-6"
6'-0"
4'-0"
3'-6"
1'-0"
2'-4"
2'-10"
7'-0"
1'-6"
1'-5"

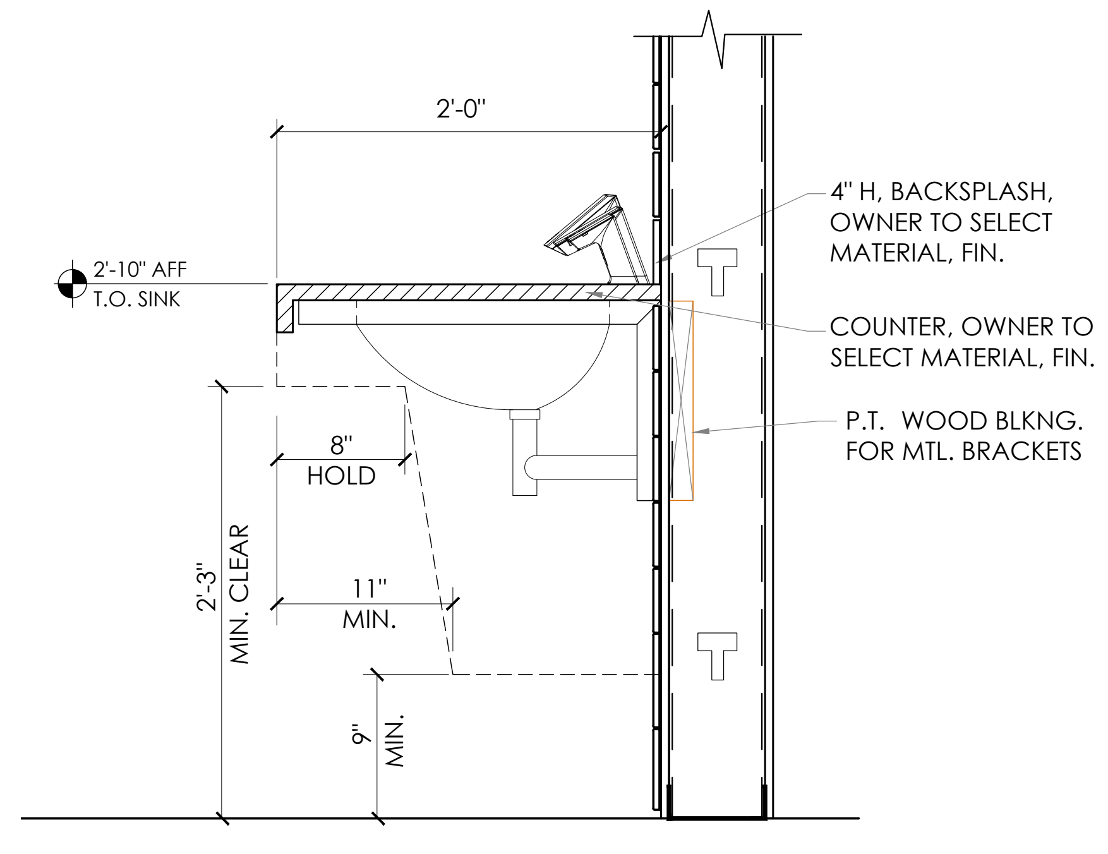
3 FAMILY BATHROOM ELEVATIONS
A-401 3/8" = 1'-0"



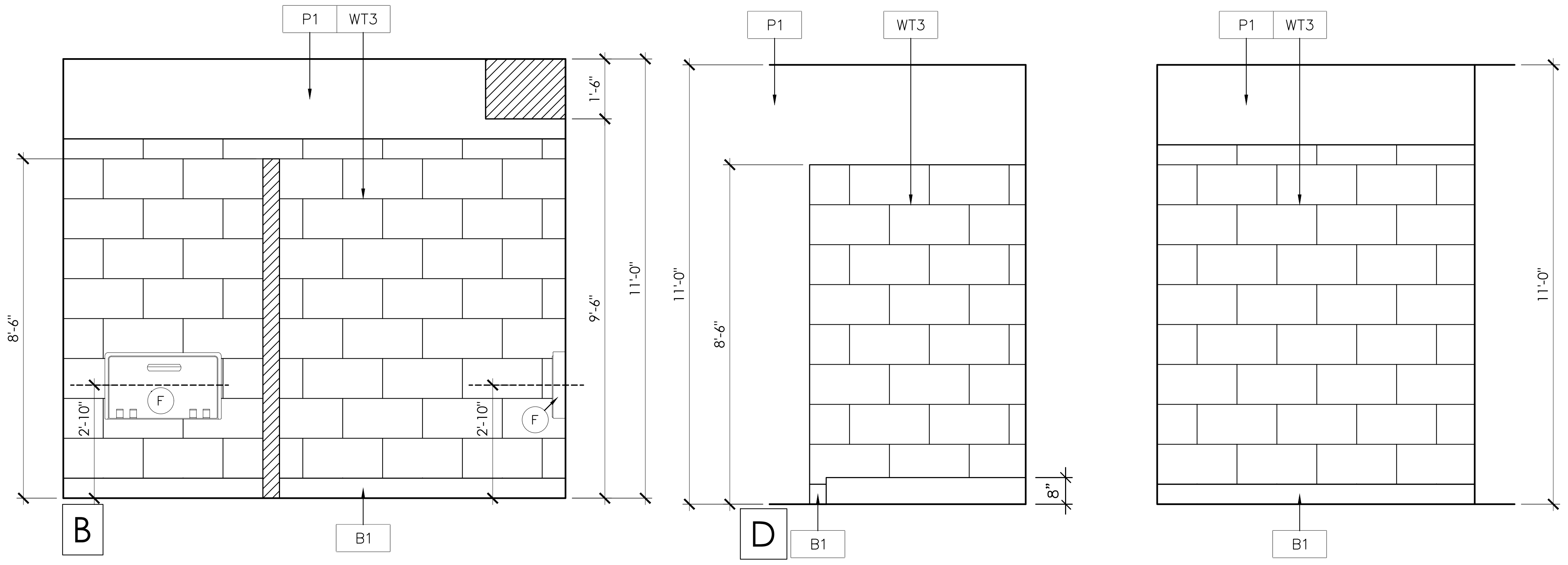

HORIZONTAL & VERTICAL FORCE 250 LBS.
Ø2" O.D.
1½"
GRAB BAR
WALL TILE
(2) 2x6 BLOCKING CENTERED ON BAR

5 GRAB BAR INSTALLATION DETAIL
A-401 3" = 1'-0"



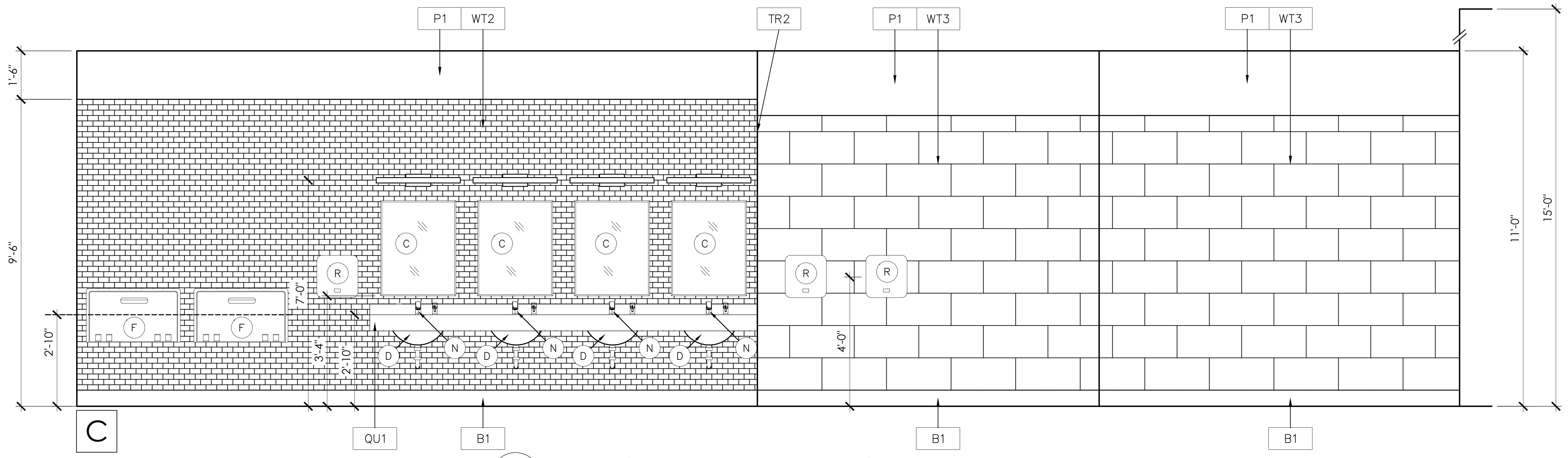

2'-0"
4" H, BACKSPLASH, OWNER TO SELECT MATERIAL, FIN.
COUNTER, OWNER TO SELECT MATERIAL, FIN.
P.T. WOOD BLKNG. FOR MTL. BRACKETS
2'-10" AFF T.O. SINK
8" HOLD
11" MIN.
2'-3" MIN. CLEAR
9" MIN.

4 TYP. SECTION @ COUNTER/SINK
A-401 1" = 1'-0"



PUBLIC, FAMILY BATHROOMS, ADA ACCESSIBLE, SHOWER ROOMS FIXTURE SCHEDULE

TEM NO.	DESCRIPTION	MANUF.	MODEL No.	MOUNTING HEIGHT	REMARKS
Ⓐ	GRAB BARS	BOBRICK	812-36	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓑ	GRAB BARS	BOBRICK	812-42	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓒ	VANITY MIRROR	BOBRICK	B-290	40" MAX. A.F.F.	CHANNEL FRAME, ADA INSTALL. HGT. COMPLIANT
Ⓓ	SINK	KOHLER	BACHATA	2'-10 AFF	ADA COMPLIANT, WHITE
Ⓔ	TOILET PAPER DISPENSER	TORK	5511282	28" AFF-ADA COMP., (TOP OF DISPENSER)	SURFACE MOUNTED
Ⓕ	BABY CHANGING STATION	KOALA	962	CHANGING SURFACE TO BE @ 2'-10" AFF	WALL MOUNTED
Ⓖ	TOILET/URINAL STALL PART.				T.B.D.
Ⓗ	COAT HOOK	BRADLEY	9114	4'-0" AFF ADA COMPLIANT	HEAVY DUTY SATIN NICKEL FIN., 300 LB OF DOWNWARD PULL
Ⓘ	NAPKIN DISPOSAL	BOBRICK	B-35139		STAINLESS STEEL, SURFACE MOUNTED
Ⓙ	URINAL	AMERICAN STANDARD	6581001.020		WHITE
Ⓚ	TOILET	TOTO	CT708U	15" - 17" AFF	WHITE, WALL MOUNTED, ADA COMPLIANT
Ⓛ	SOAP DISPENSER	BRADLEY	6-3100		BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓜ	FOLDABLE SEAT				VERIFY WITH OWNER, INSIDE SHOWER, OUTSIDE OR BOTH
Ⓝ	FAUCET	BRADLEY	CRESTT SERIES S53-3100	2'-10 AFF	BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓞ	SURF. MTD. SEAT COVER DISP.	BOBRICK	B-221	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL, SURFACE MOUNTED
Ⓟ	GRAB BARS	MOEN	8912	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL
Ⓠ	TOILET	TOTO	CT705UN	15" - 17" AFF	WHITE FLOOR MOUNTED, ADA COMPLIANT
Ⓡ	HAND DRYER	XLERATOR			HIGH EFFICIENCY XL NON-HEATED SURF. MOUNTED ADA COMP.



2 WOMEN'S BATHROOM ELEVATIONS
A-401 3/8" = 1'-0"

NOTE:
REFER TO SHEET A-120 FOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

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NO. 005323

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PROJECT DESCRIPTION

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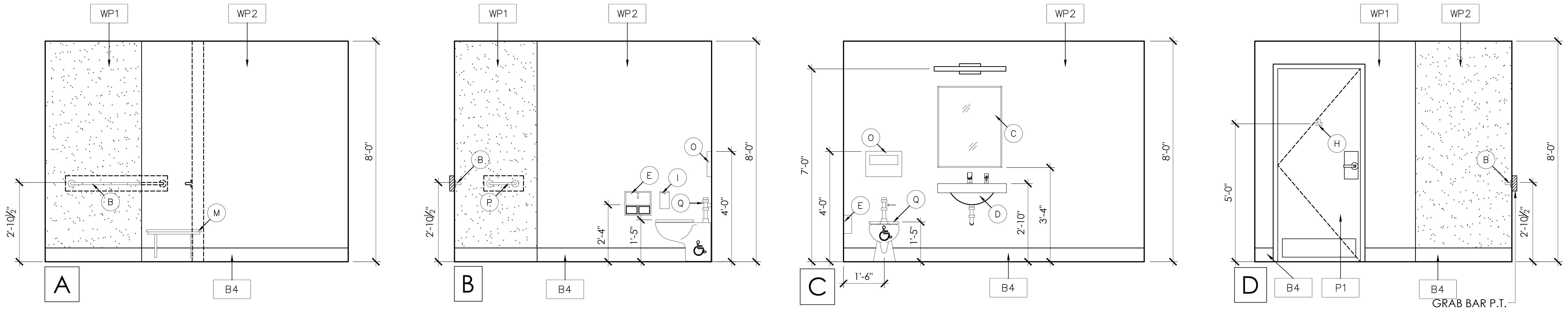
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

ENLARGED PUBLIC BATHROOMS

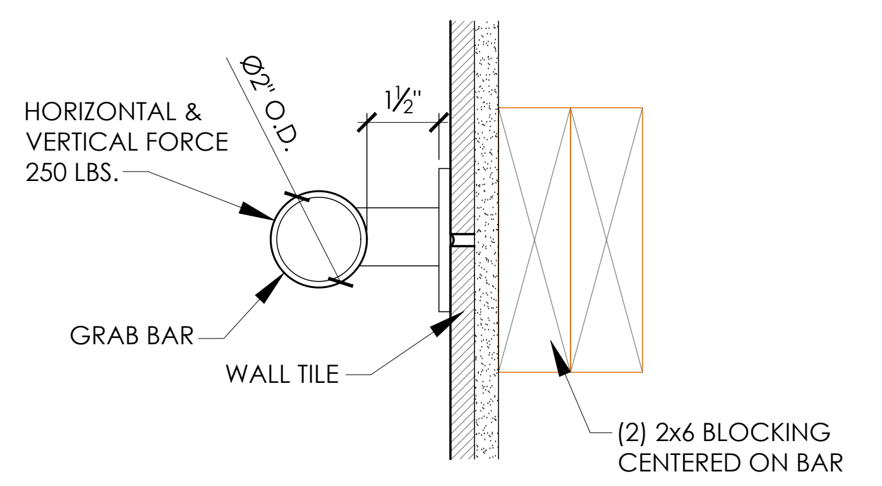
PROJECT NO: 22057

A401

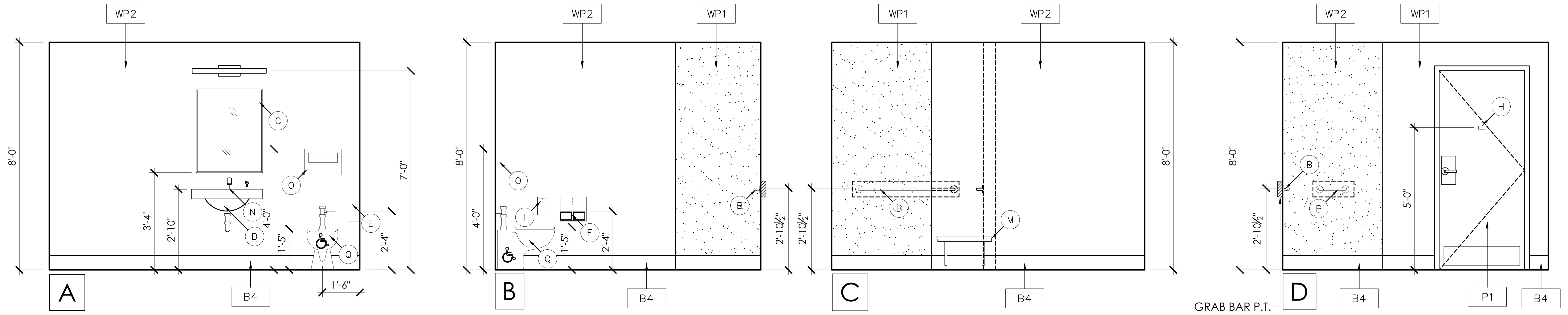


GRAB BAR P.T. WD. BLOCKING, TYP.

3 A-402 ENLARGED SHOWER ROOM ELEVATIONS
3/8" = 1'-0"

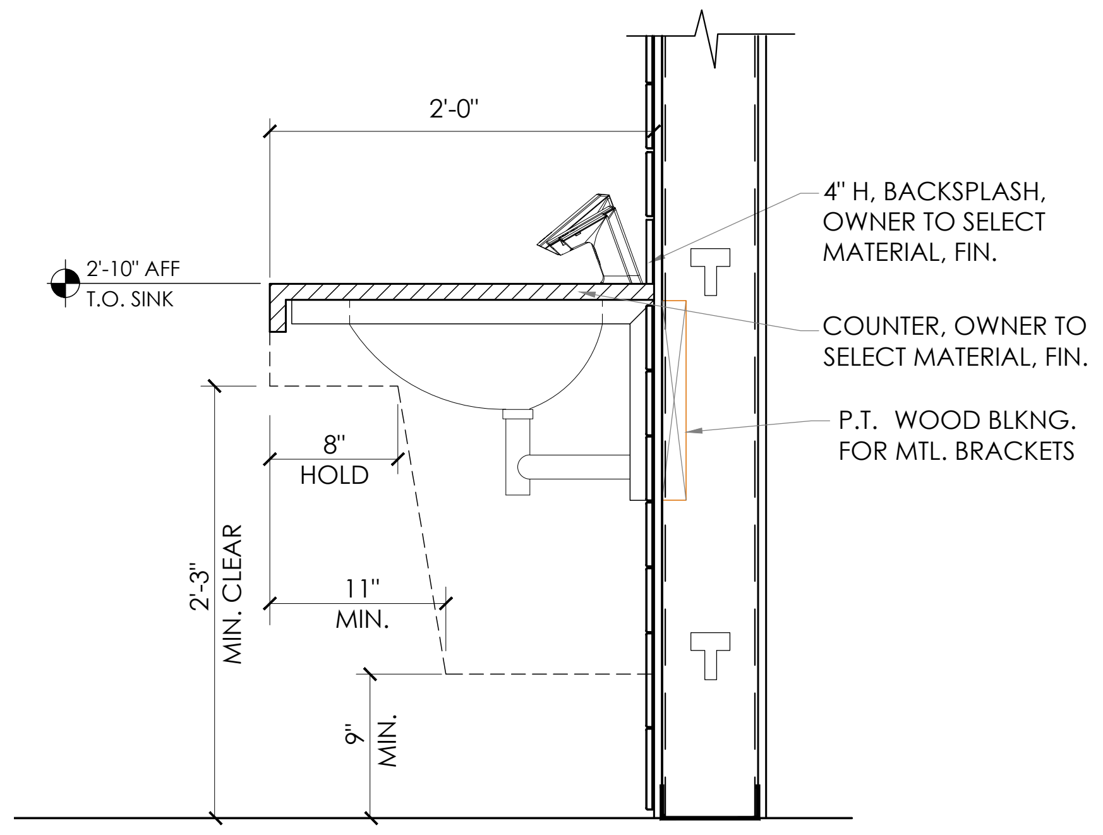

HORIZONTAL & VERTICAL FORCE 250 LBS.
Ø2" O.D.
1½"
GRAB BAR
WALL TILE
(2) 2x6 BLOCKING CENTERED ON BAR

5 A-402 GRAB BAR INSTALLATION DETAIL
3" = 1'-0"

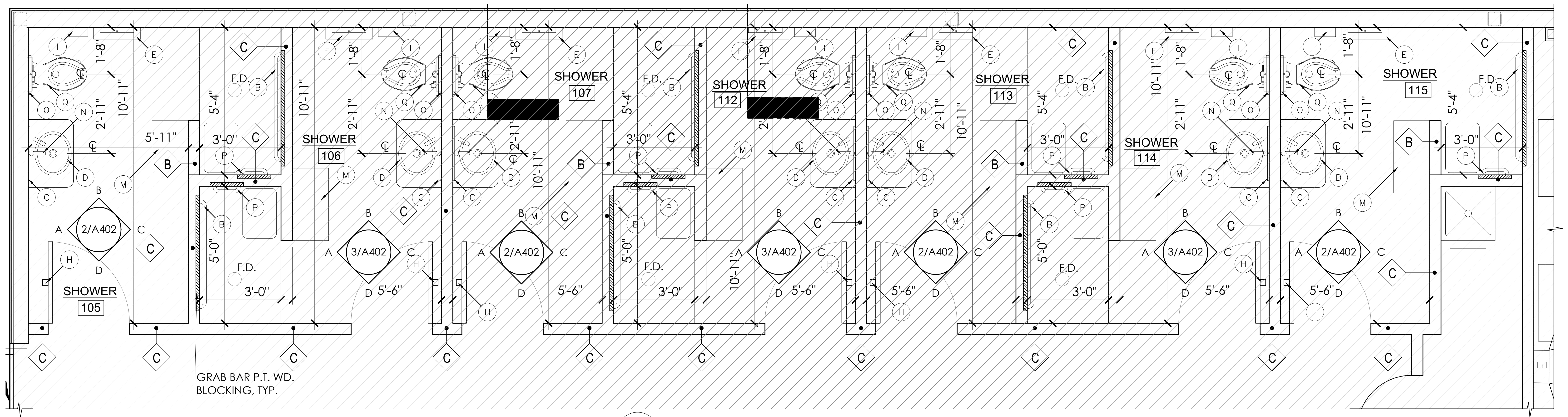


GRAB BAR P.T. WD. BLOCKING, TYP.

2 A-402 ENLARGED SHOWER ROOM ELEVATIONS
3/8" = 1'-0"


2'-0"
2'-10" AFF T.O. SINK
4" H. BACKSPLASH, OWNER TO SELECT MATERIAL, FIN.
COUNTER, OWNER TO SELECT MATERIAL, FIN.
P.T. WOOD BLKNG. FOR MTL. BRACKETS
8" HOLD
11" MIN.
2'-3" MIN. CLEAR
9" MIN.

4 A-402 TYP. SECTION @ COUNTER/SINK
1" = 1'-0"



[redacted]

[redacted]

1 A402 ENLARGED FLOOR PLAN
1/4" = 1'-0"

PUBLIC, FAMILY BATHROOMS, ADA ACCESSIBLE, SHOWER ROOMS FIXTURE SCHEDULE

TEM NO.	DESCRIPTION	MANUF.	MODEL No.	MOUNTING HEIGHT	REMARKS
Ⓐ	GRAB BARS	BOBRICK	812-36	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓑ	GRAB BARS	BOBRICK	812-42	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
Ⓒ	VANITY MIRROR	BOBRICK	B-290	40" MAX. A.F.F.	CHANNEL FRAME, ADA INSTALL. HGT. COMPLIANT
Ⓓ	SINK	KOHLER	BACHATA	2'-10 AFF	ADA COMPLIANT, WHITE
Ⓔ	TOILET PAPER DISPENSER	TORK	5511282	28" AFF-ADA COMP., (TOP OF DISPENSER)	SURFACE MOUNTED
Ⓕ	BABY CHANGING STATION	KOALA	962	CHANGING SURFACE TO BE @ 2'-10" AFF	WALL MOUNTED
Ⓖ	TOILET/URINAL STALL PART.				T.B.D.
Ⓗ	COAT HOOK	BRADLEY	9114	4'-0" AFF ADA COMPLIANT	HEAVY DUTY SATIN NICKEL FIN., 300 LB OF DOWNWARD PULL
Ⓘ	NAPKIN DISPOSAL	BOBRICK	B-35139		STAINLESS STEEL, SURFACE MOUNTED
Ⓙ	URINAL	AMERICAN STANDARD	6581001.020		WHITE
Ⓚ	TOILET	TOTO	CT708U	15" - 17" AFF	WHITE, WALL MOUNTED, ADA COMPLIANT
Ⓛ	SOAP DISPENSER	BRADLEY	6-3100		BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓜ	FOLDABLE SEAT				VERIFY WITH OWNER, INSIDE SHOWER, OUTSIDE OR BOTH
Ⓝ	FAUCET	BRADLEY	CRESTT SERIES S53-3100	2'-10 AFF	BRUSHED STAINLESS STEEL, SURFACE MOUNTED
Ⓞ	SURF. MTD. SEAT COVER DISP.	BOBRICK	B-221	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL, SURFACE MOUNTED
Ⓟ	GRAB BARS	MOEN	8912	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL
Ⓠ	TOILET	TOTO	CT705UN	15" - 17" AFF	WHITE FLOOR MOUNTED, ADA COMPLIANT
Ⓡ	HAND DRYER	XLERATOR			HIGH EFFICIENCY XL NON-HEATED SURF. MOUNTED ADA COMP.

NOTE:
REFER TO SHEET A-120 FOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

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DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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DATE	DESCRIPTION
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CHK'D BY:

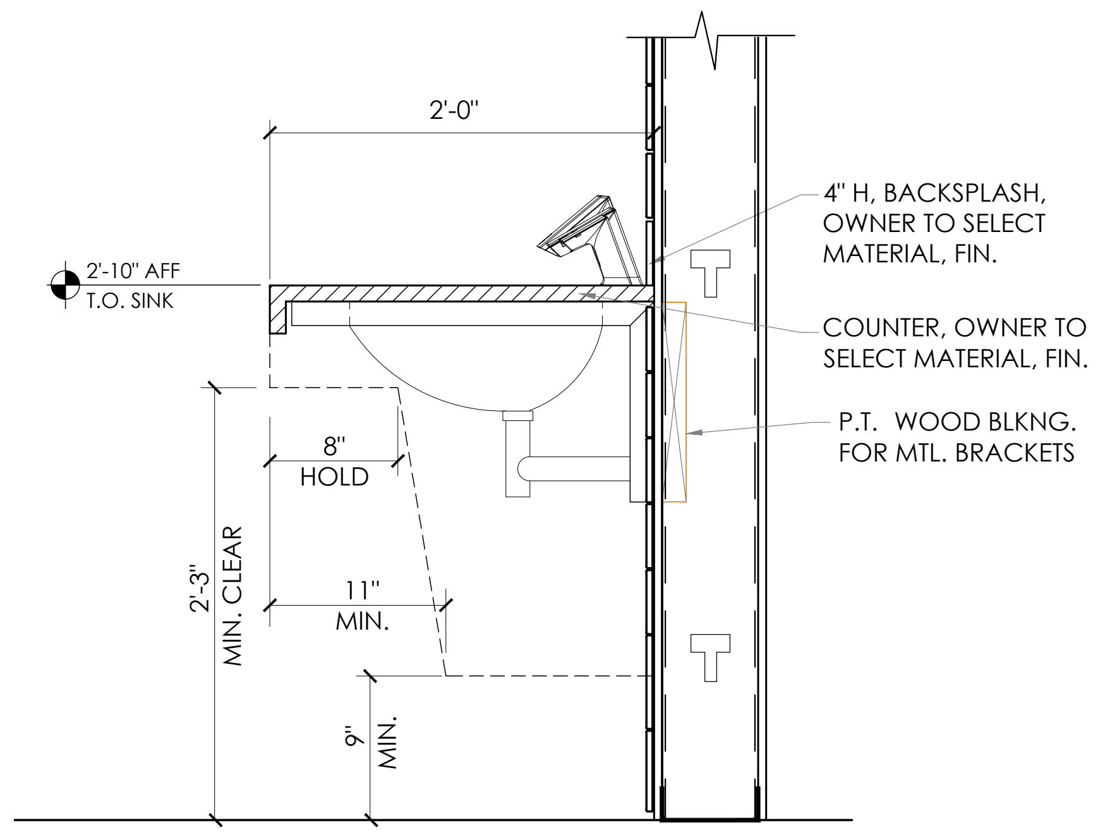
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

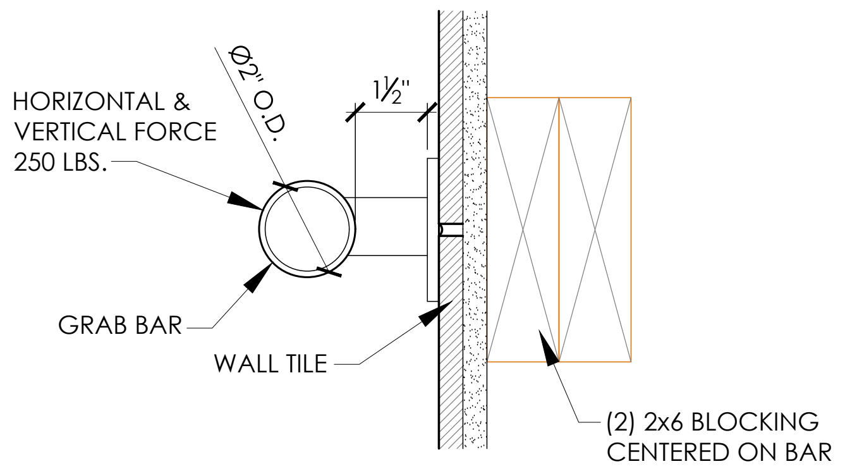
SHEET TITLE:
ENLARGED SHOWER ROOMS

PROJECT NO: 22057

A402


2'-0"
2'-10" AFF
T.O. SINK
4" H, BACKSPLASH, OWNER TO SELECT MATERIAL, FIN.
COUNTER, OWNER TO SELECT MATERIAL, FIN.
P.T. WOOD BLKNG. FOR MTL. BRACKETS
8" HOLD
11" MIN.
2'-3" MIN. CLEAR
9" MIN.

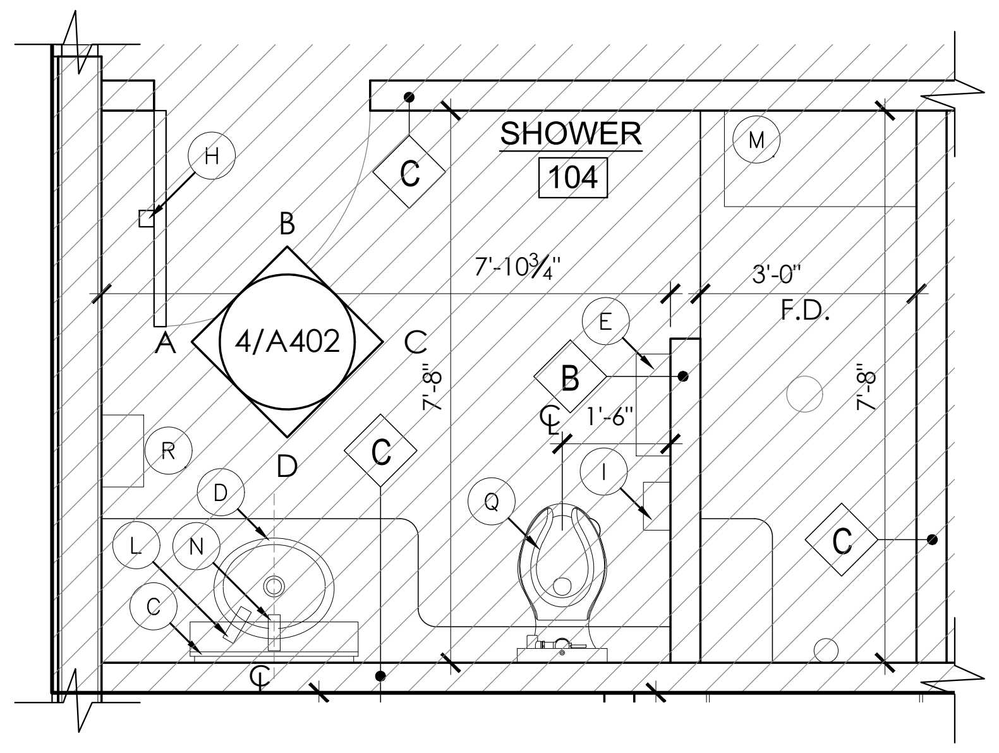
5 A-403 TYP. SECTION @ COUNTER/SINK
1" = 1'-0"


HORIZONTAL & VERTICAL FORCE 250 LBS.
Ø2" O.D.
1½"
GRAB BAR
WALL TILE
(2) 2x6 BLOCKING CENTERED ON BAR

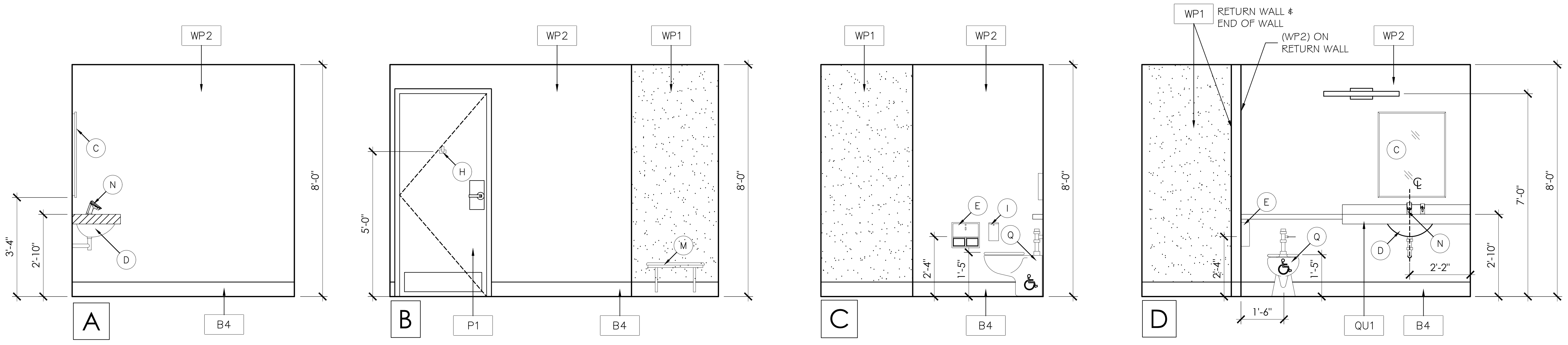
6 A-403 GRAB BAR INSTALLATION DETAIL
3" = 1'-0"

PUBLIC, FAMILY BATHROOMS, ADA ACCESSIBLE, SHOWER ROOMS FIXTURE SCHEDULE

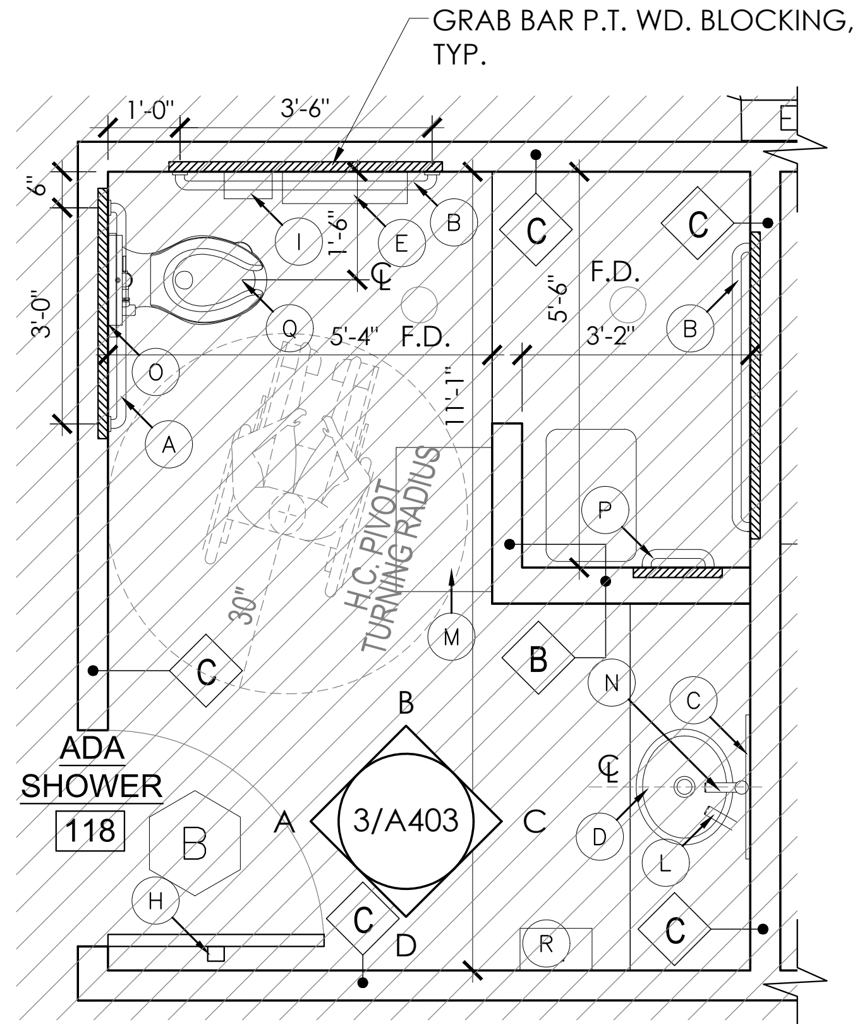
TEM NO.	DESCRIPTION	MANUF.	MODEL No.	MOUNTING HEIGHT	REMARKS
A	GRAB BARS	BOBRICK	812-36	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
B	GRAB BARS	BOBRICK	812-42	35" MAX. A.F.F.	BRUSHED STAINLESS STEEL
C	VANITY MIRROR	BOBRICK	B-290	40" MAX. A.F.F.	CHANNEL FRAME, ADA INSTALL. HGT. COMPLIANT
D	SINK	KOHLER	BACHATA	2'-10 AFF	ADA COMPLIANT, WHITE
E	TOILET PAPER DISPENSER	TORK	5511282	28" AFF-ADA COMP., (TOP OF DISPENSER)	SURFACE MOUNTED
F	BABY CHANGING STATION	KOALA	962	CHANGING SURFACE TO BE @ 2'-10" AFF	WALL MOUNTED
G	TOILET/URINAL STALL PART.				T.B.D.
H	COAT HOOK	BRADLEY	9114	4'-0" AFF ADA COMPLIANT	HEAVY DUTY SATIN NICKEL FIN., 300 LB OF DOWNWARD PULL
I	NAPKIN DISPOSAL	BOBRICK	B-35139		STAINLESS STEEL, SURFACE MOUNTED
J	URINAL	AMERICAN STANDARD	6581001.020		WHITE
K	TOILET	TOTO	CT708U	15" - 17" AFF	WHITE, WALL MOUNTED, ADA COMPLIANT
L	SOAP DISPENSER	BRADLEY	6-3100		BRUSHED STAINLESS STEEL, SURFACE MOUNTED
M	FOLDABLE SEAT				VERIFY WITH OWNER, INSIDE SHOWER, OUTSIDE OR BOTH
N	FAUCET	BRADLEY	CRESTT SERIES S53-3100	2'-10 AFF	BRUSHED STAINLESS STEEL, SURFACE MOUNTED
O	SURF. MTD. SEAT COVER DISP.	BOBRICK	B-221	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL, SURFACE MOUNTED
P	GRAB BARS	MOEN	8912	4'-0" AFF TO TOP PF DISPENSER	STAINLESS STEEL
Q	TOILET	TOTO	CT705UN	15" - 17" AFF	WHITE FLOOR MOUNTED, ADA COMPLIANT
R	HAND DRYER	XLERATOR			HIGH EFFICIENCY XL NON-HEATED SURF. MOUNTED ADA COMP.



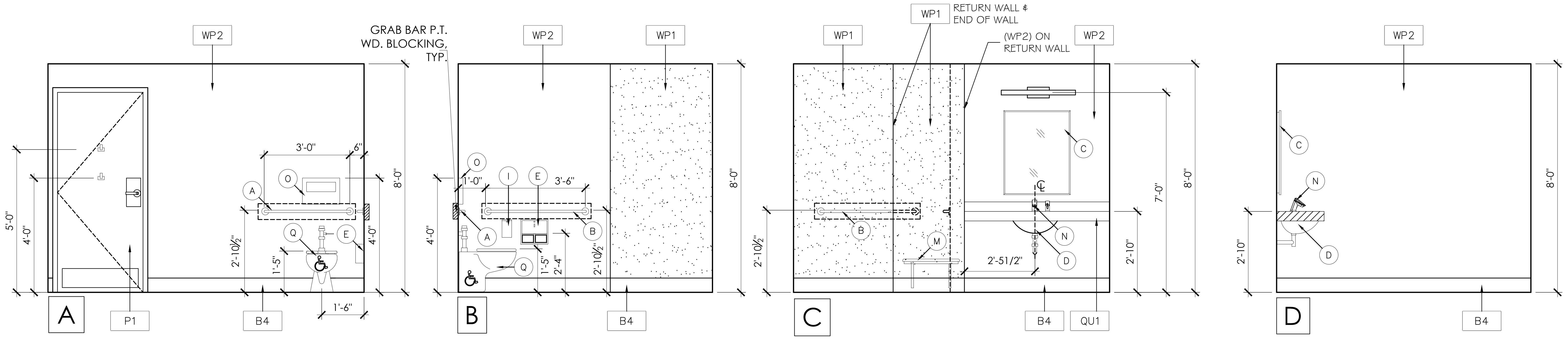
2 A403 ENLARGED FLOOR PLAN
3/8" = 1'-0"



4 A-403 ENLARGED SHOWER ROOM ELEVATIONS
3/8" = 1'-0"



1 A403 ENLARGED FLOOR PLAN
3/8" = 1'-0"



3 A-403 ENLARGED ADA SHOWER ROOM ELEVATIONS
3/8" = 1'-0"

NOTE:
REFER TO SHEET A-120 FOR FINISH SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
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MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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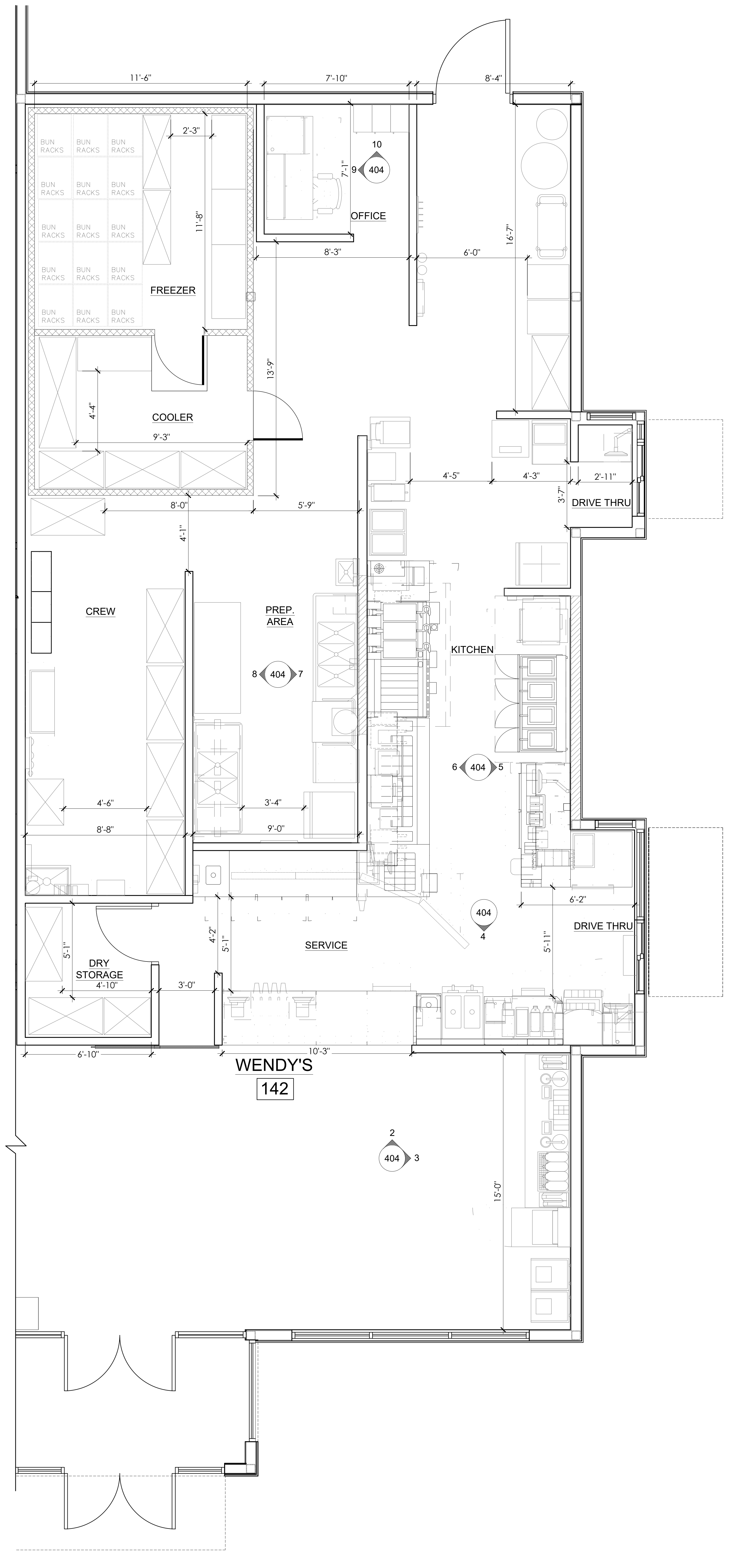
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

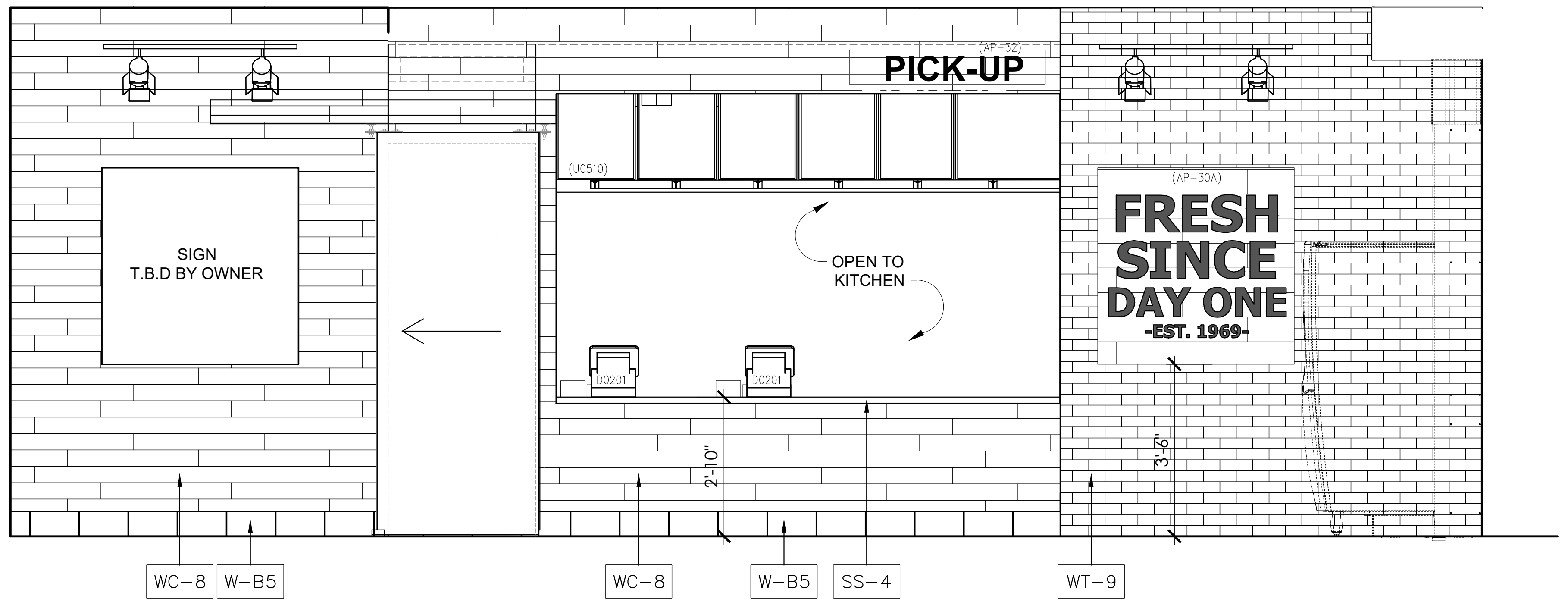
SHEET TITLE:
ENLARGED SHOWER ROOMS

PROJECT NO: 22057

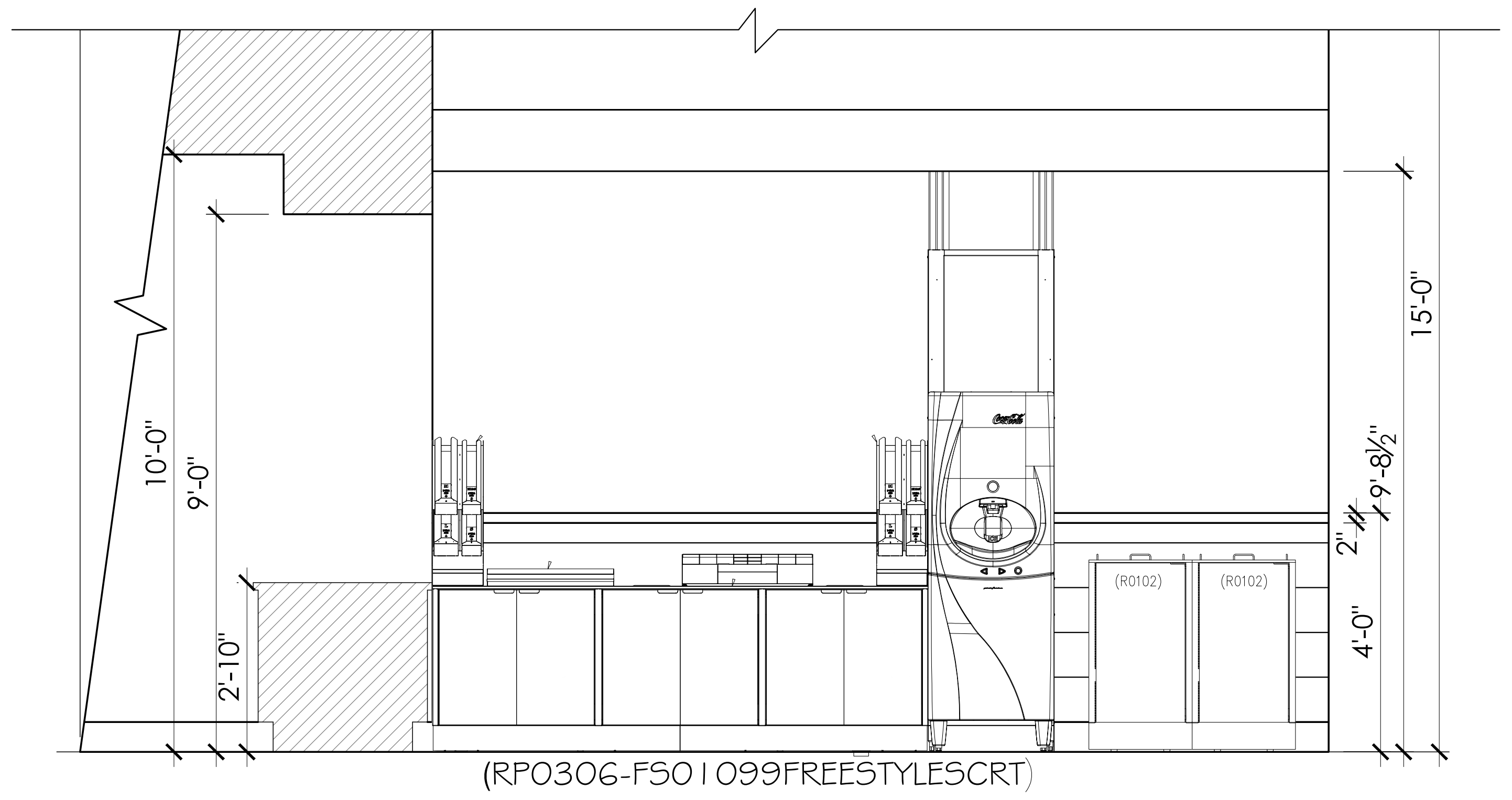
A403



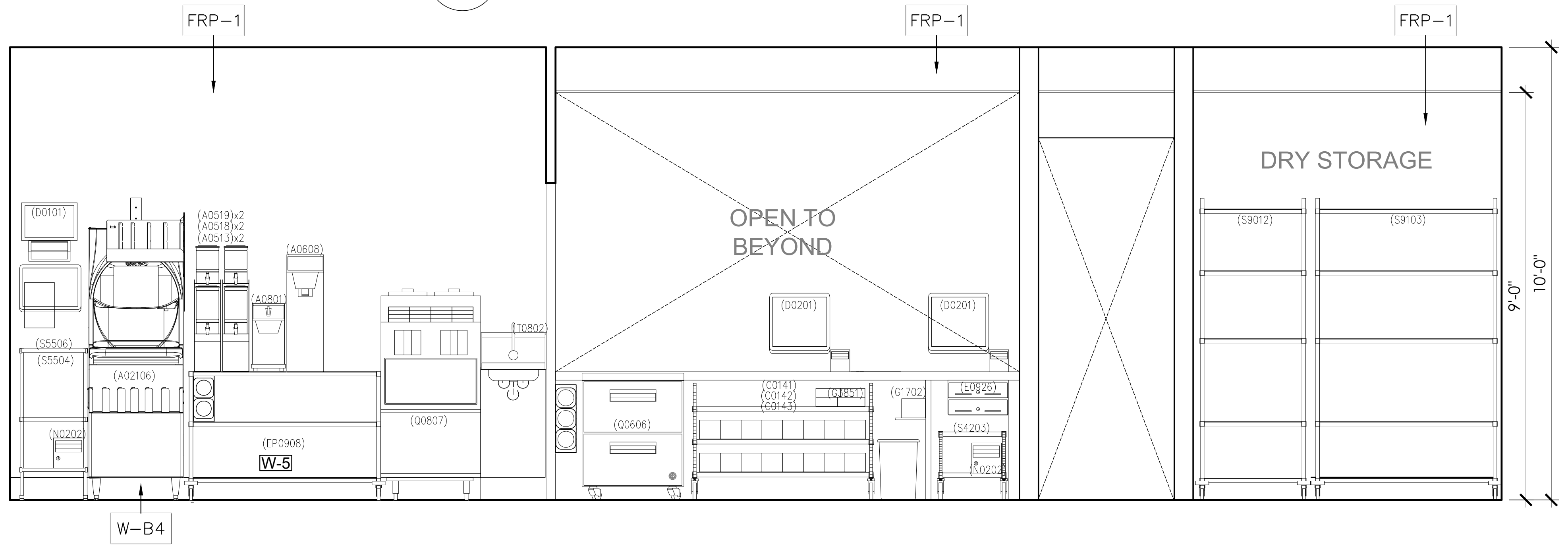
1 WENDY'S FLOOR PLAN
A404 1/4" = 1'-0"



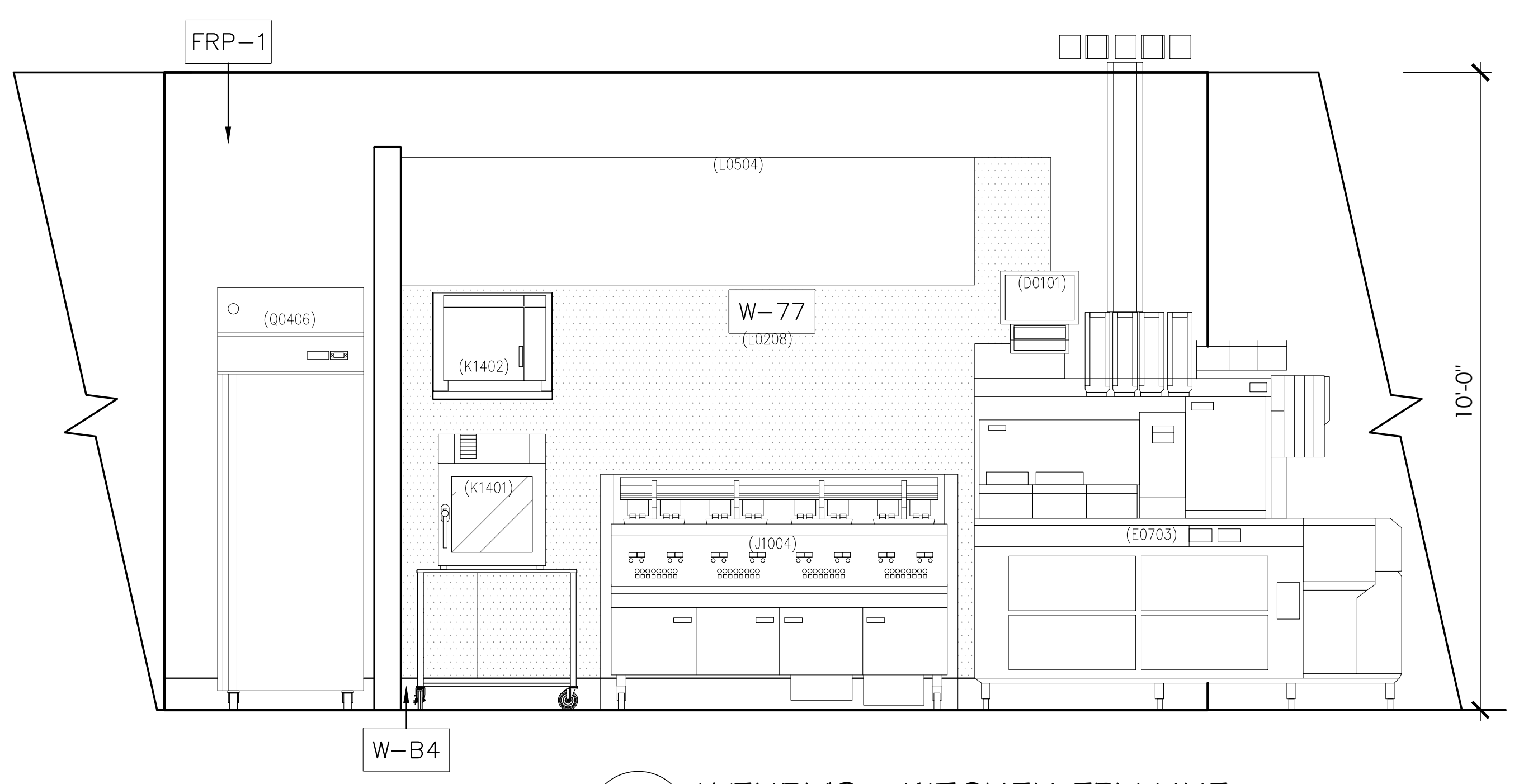
2 WENDY'S - FRONT COUNTER
A404 3/8" = 1'-0"



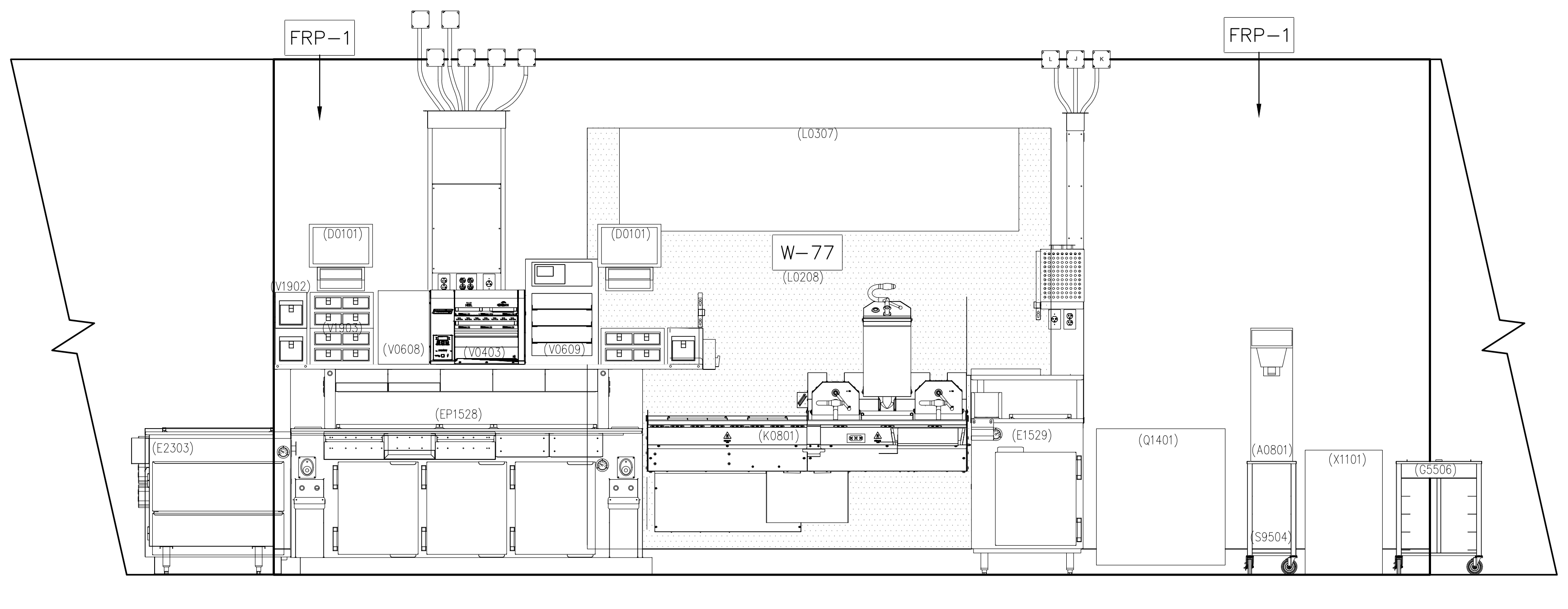
3 WENDY'S - CONDIMENT STAND W/SELF-SERVE DRINKS
A404 3/8" = 1'-0"



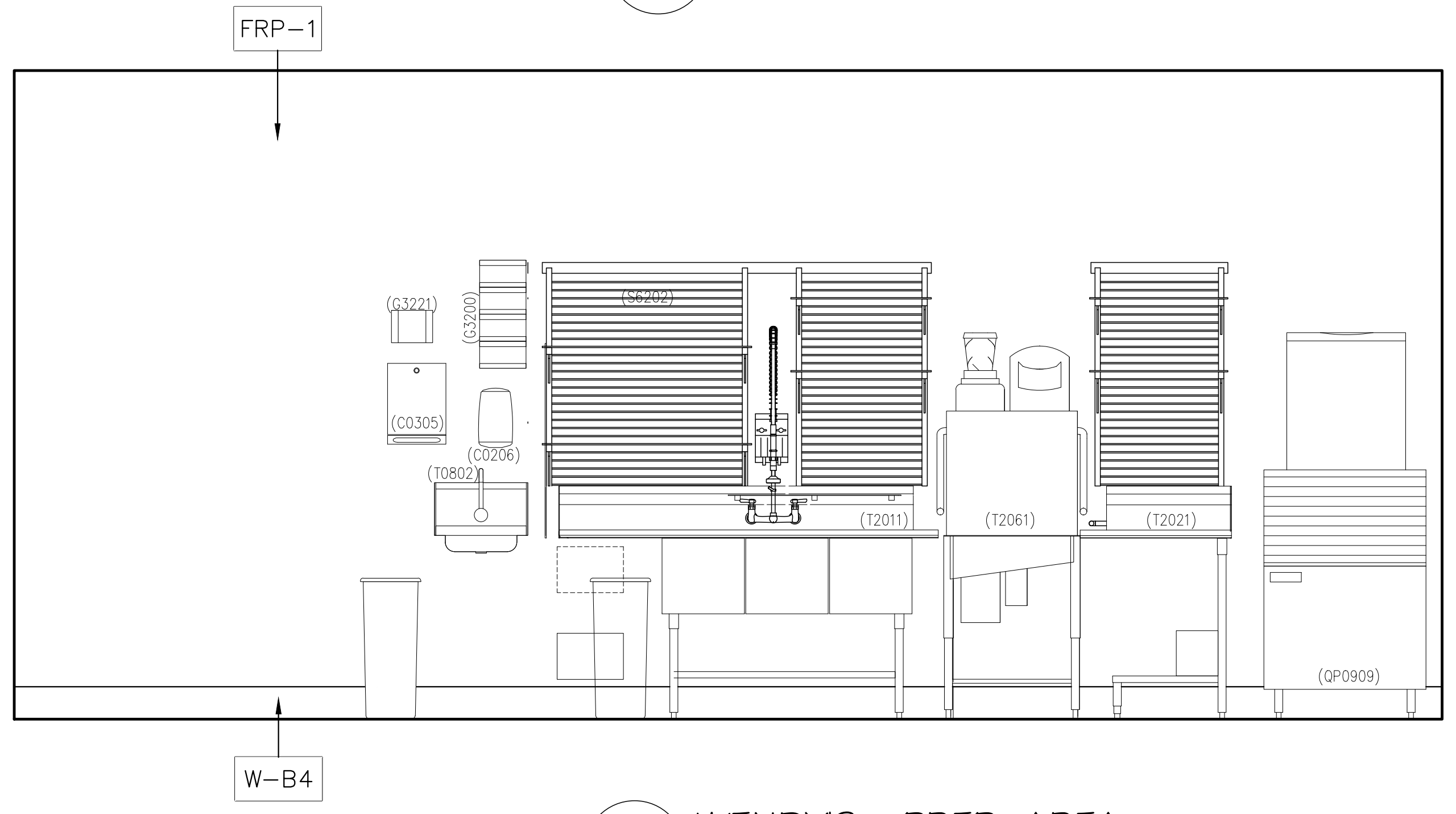
4 WENDY'S - SERVICE
A404 3/8" = 1'-0"



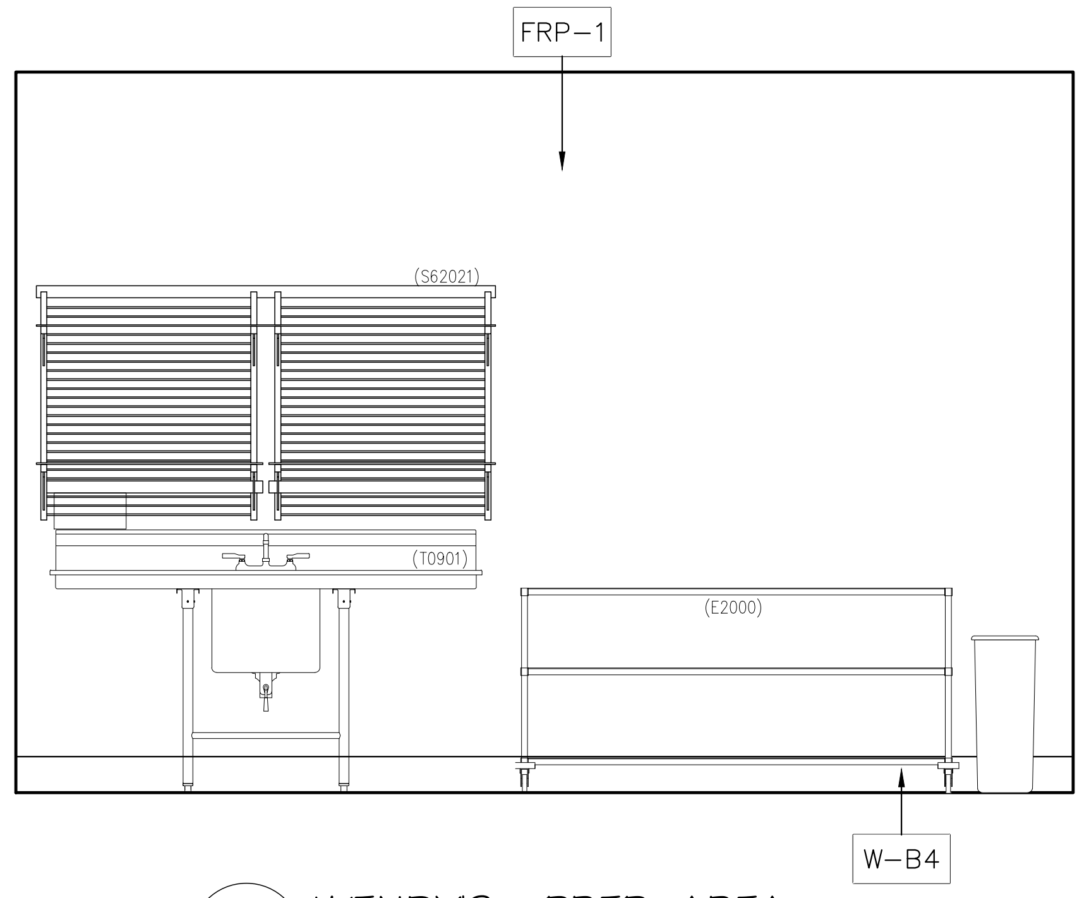
5 WENDY'S - KITCHEN FRY-LINE
A404 3/8" = 1'-0"



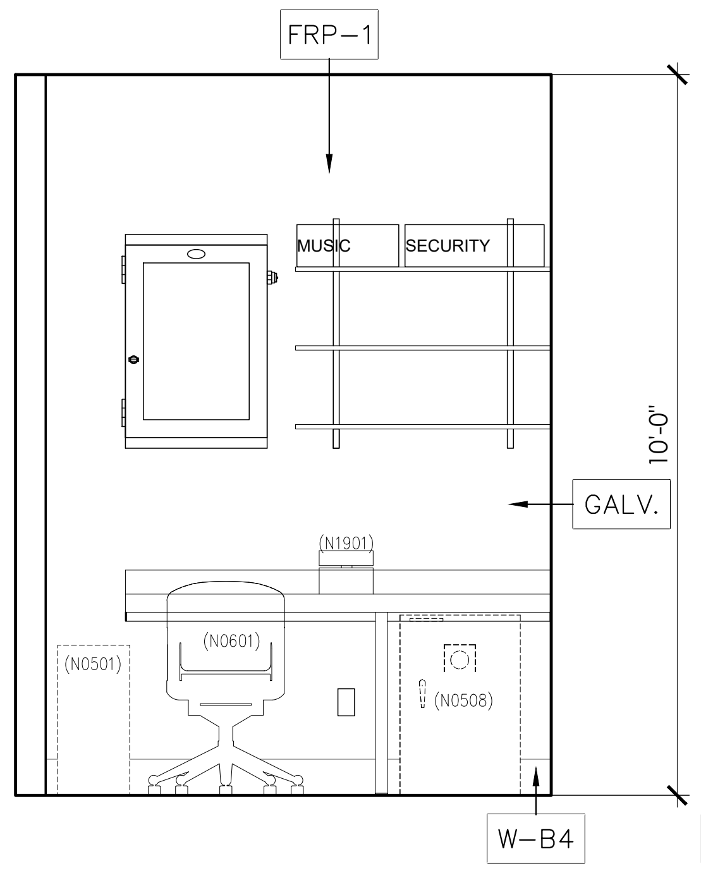
6 WENDY'S - KITCHEN GRILL-LINE
A404 3/8" = 1'-0"



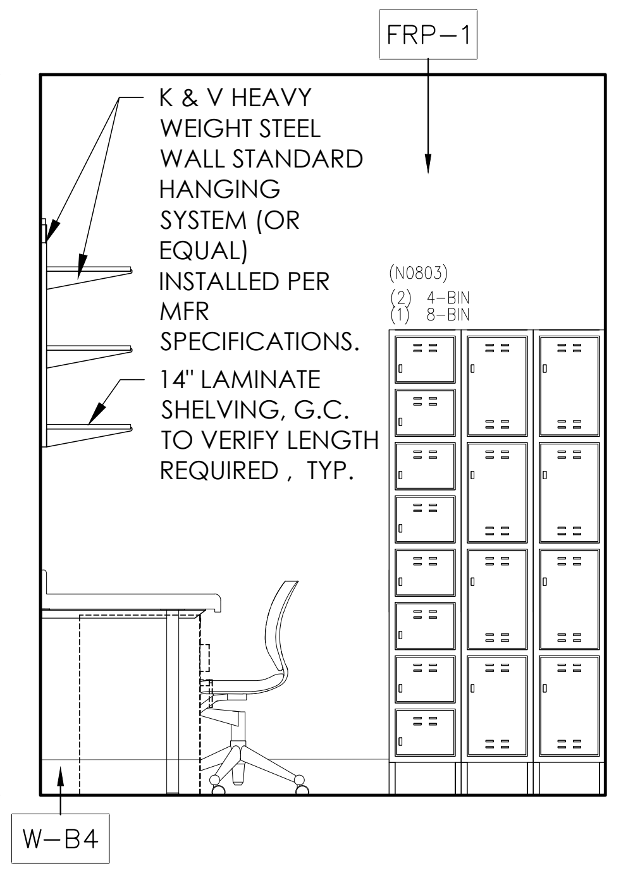
7 WENDY'S - PREP. AREA
A404 3/8" = 1'-0"



8 WENDY'S - PREP. AREA
A404 3/8" = 1'-0"



9 WENDY'S - OFFICE
A404 3/8" = 1'-0"


FRP-1
K & V HEAVY WEIGHT STEEL WALL STANDARD HANGING SYSTEM (OR EQUAL) INSTALLED PER MFR SPECIFICATIONS.
14" LAMINATE SHELVING, G.C. TO VERIFY LENGTH REQUIRED , TYP.
W-B4

10 WENDY'S - OFFICE
A404 3/8" = 1'-0"

NOTE:

1. REFER TO SHEET A-120A FOR FINISH SCHEDULE.
2. REFER TO SHEET A-124A FOR EQUIPMENT SCHEDULE.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

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Chris Archuleta
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MRP DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

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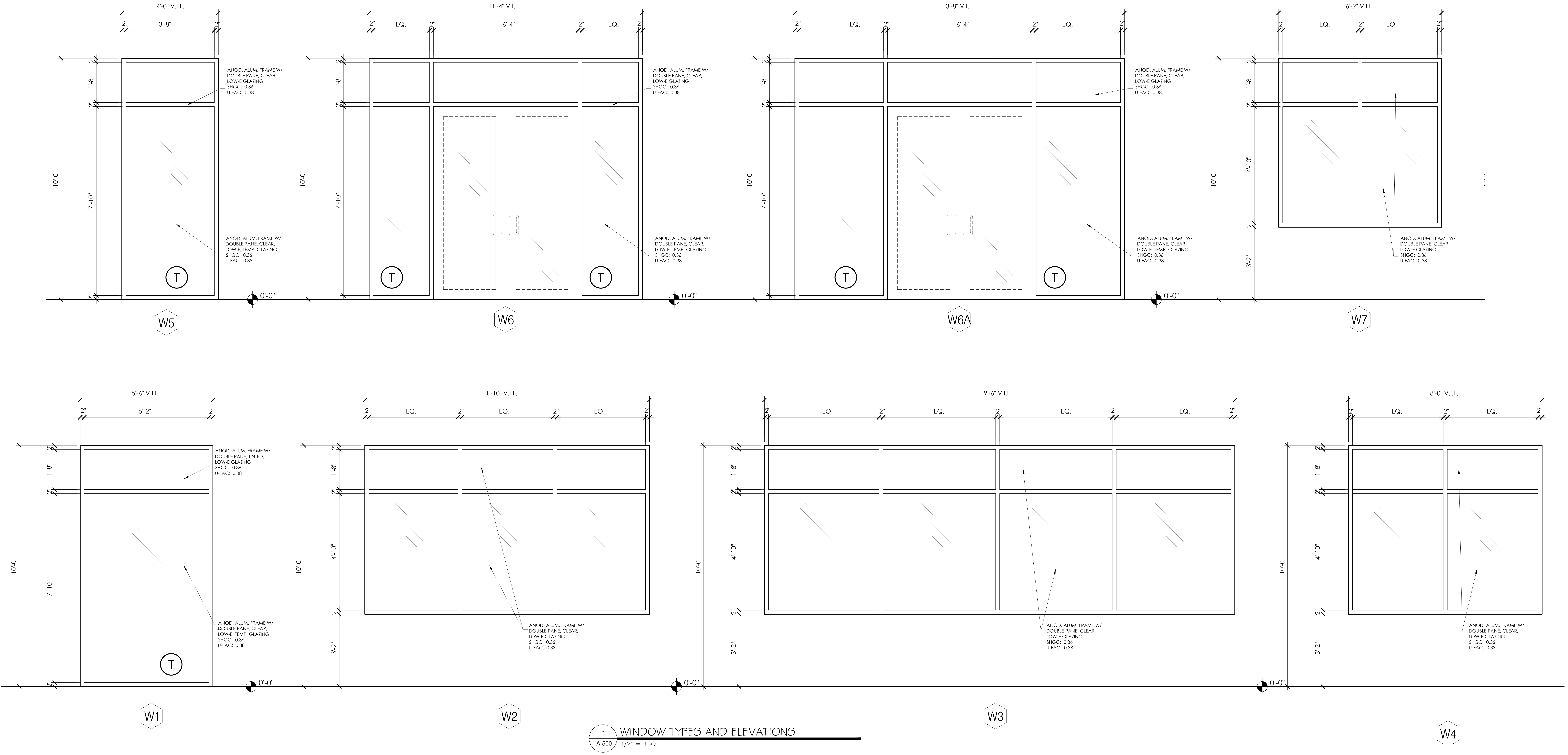
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
WENDY'S
ENLARGED FLOOR
PLAN & ELEVATIONS

PROJECT NO: 22057

A404


4'-0" V.I.F.
2"
3'-8"
2"
10'-0"
7'-10"
1'-8"
ANOD. ALUM. FRAME W/ DOUBLE PANE, CLEAR, LOW-E GLAZING SHGC: 0.36 U-FAC: 0.38
ANOD. ALUM. FRAME W/ DOUBLE PANE, CLEAR, LOW-E, TEMP. GLAZING SHGC: 0.36 U-FAC: 0.38
T
0'-0"
W5
11'-4" V.I.F.
EQ.
6'-4"
EQ.
W6
13'-8" V.I.F.
W6A
6'-9" V.I.F.
4'-10"
3'-2"
W7
5'-6" V.I.F.
5'-2"
ANOD. ALUM. FRAME W/ DOUBLE PANE, TINTED, LOW-E GLAZING SHGC: 0.36 U-FAC: 0.38
W1
11'-10" V.I.F.
W2
19'-6" V.I.F.
W3
8'-0" V.I.F.
W4

1 A-500 WINDOW TYPES AND ELEVATIONS
1/2" = 1'-0"

T DENOTE TEMPERED GLASS

GENERAL WINDOWS PLAN NOTES:

1. ALL ALUMINUM STOREFRONT MULLIONS AND FRAMES TO BE 2" x 4 1/2" W/ 1" INSUL., GLAZING W/ EXTERIOR WEEP HOLES - TYPICAL, U.N.O.
2. STOREFRONT COLOR TO BE BLACK ANODIZED.
3. GENERAL CONTRACTOR TO FURTHER COORDINATE WITH FRAMING CONTRACTOR AND STOREFRONT VENDOR/INSTALLER TO VERIFY PART OF WORKS, TYP.
4. GLAZING MUST MEET CLIMATE ZONE REQUIREMENTS FOR ENERGY CODE. SOLARBAN 60 LOW-E CLEAR OR BETTER.
5. G.C. TO INSTALL FLEXIBLE SELF-ADHERED FLASHING AT ALL WINDOW, DOOR OPENINGS, EXTERIOR "J" BOXES PER MFR'S RECOMMENDATIONS.
6. G.C. TO INSTALL 4" WIDE STRAIGHT SELF-ADHERED FLASHING AT ALL WINDOW, DOOR OPENINGS, EXTERIOR "J" BOXES PER MFR'S RECOMMENDATIONS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

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PROJECT TITLE:

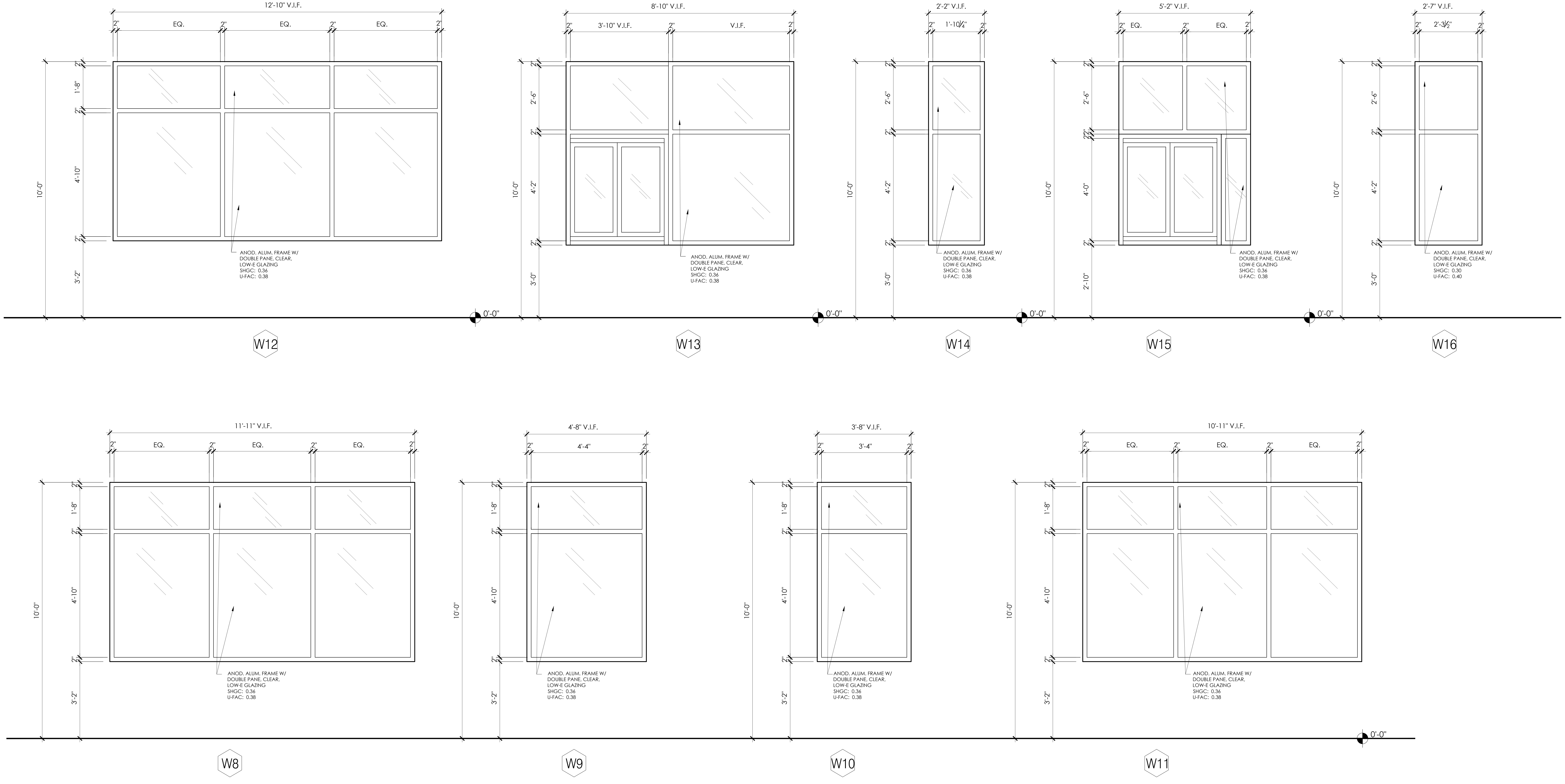
TA TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

WINDOW TYPES AND ELEVATIONS

PROJECT NO: 22057

A500



1 A-501 WINDOW TYPES AND ELEVATIONS
1/2" = 1'-0"

Ⓣ DENOTE TEMPERED GLASS

GENERAL WINDOWS PLAN NOTES:

1. ALL ALUMINUM STOREFRONT MULLIONS AND FRAMES TO BE 2" x 4 1/2" W/ 1" INSUL., GLAZING W/ EXTERIOR WEEP HOLES - TYPICAL, U.N.O.
2. STOREFRONT COLOR TO BE BLACK ANODIZED.
3. GENERAL CONTRACTOR TO FURTHER COORDINATE WITH FRAMING CONTRACTOR AND STOREFRONT VENDOR/INSTALLER TO VERIFY PART OF WORKS, TYP.
4. GLAZING MUST MEET CLIMATE ZONE REQUIREMENTS FOR ENERGY CODE. SOLARBAN 60 LOW-E CLEAR OR BETTER.
5. G.C. TO INSTALL FLEXIBLE SELF-ADHERED FLASHING AT ALL WINDOW, DOOR OPENINGS, EXTERIOR "J" BOXES PER MFR'S RECOMMENDATIONS.
6. G.C. TO INSTALL 4" WIDE STRAIGHT SELF-ADHERED FLASHING AT ALL WINDOW, DOOR OPENINGS, EXTERIOR "J" BOXES PER MFR'S RECOMMENDATIONS.

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423 FISCHER TRAIL
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Building 100, Suite 120
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P. 770-917-9172
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PROJECT DESCRIPTION

PROJECT TITLE:
TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
WINDOW TYPES AND
ELEVATIONS

PROJECT NO: 22057

A501

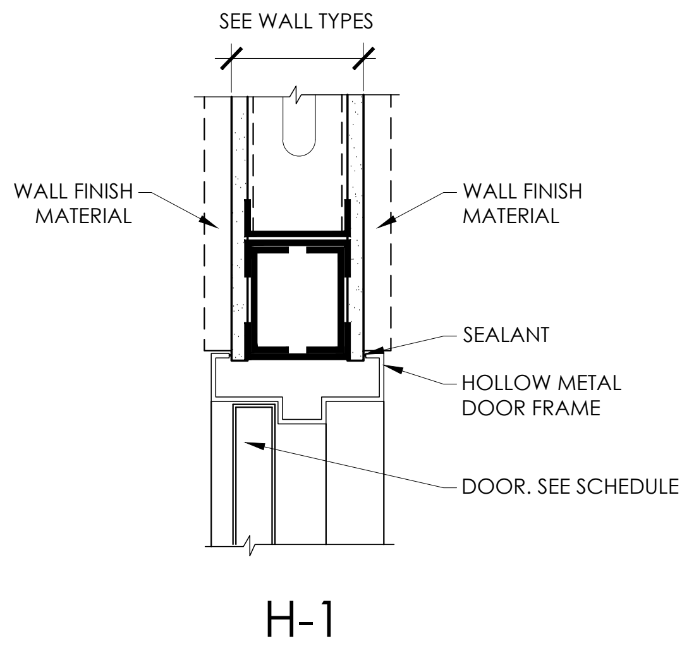
ROOM FINISH SCHEDULE

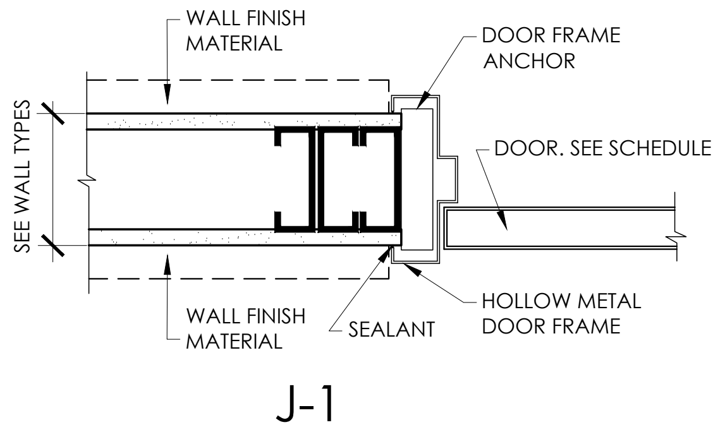
ROOM		FLOOR	BASE	WALLS					CEILING		REMARKS
NO.	NAME			MATERIAL	FINISH				MATERIAL	HGHT.	
					N	S	E	W			
100	VESTIBULE	F1 8 X 48 PORCELAIN TILE		MRGWB.					GYPBD.	10'-0"	GYP. BD. / PT. P-1
101	SEATING	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO RAFTERS / SOUNDSCAPE BLADES	10'-6"	SOUND. BLADES BY ARMSTRONG IN WHITE
102	JANITOR	F3 EPOXY FLOOR		MRGWB.					2' X 2' LAY-IN PANELS	8'-0"	TILE/GRID WHITE BY ARMSTRONG
103	MEN'S RESTROOM	F1 8 X 48 PORCELAIN TILE		MRGWB.					MRGWB.	11'-0" 9'-0"	GYP. BD. / PT. P-1 DROPPED GYP. BD. SOFFIT / PT. P-1
104	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
105	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
106	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
107	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
108	CORRIDOR	F1 8 X 48 PORCELAIN TILE		GWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
109	PORTER LAUNDRY	F3 EPOXY PAINT		MRGWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
110	WOMEN'S RESTROOM	F1 8 X 48 PORCELAIN TILE		MRGWB.					MRGWB.	11'-0" 9'-0"	GYP. BD. / PT. P-1 DROPPED GYP. BD. SOFFIT / PT. P-1
111	FAMILY RESTROOM	F1 8 X 48 PORCELAIN TILE		MRGWB.					MRGWB.	11'-0" 9'-0"	GYP. BD. / PT. P-1 DROPPED GYP. BD. SOFFIT / PT. P-1
112	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
113	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
114	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
115	SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
116	MOP CLOSET	F3 EPOXY FLOOR		MRGWB.					2' X 2' LAY-IN PANELS	8'-0"	TILE/GRID WHITE BY ARMSTRONG
117	CORRIDOR	F1 8 X 48 PORCELAIN TILE		GWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
118	ADA SHOWER ROOM	F2 EPOXY FLOOR		MRGWB.					MRGWB.	11'-0"	GYP. BD. / PT. P-1
119	DRIVER LAUNDRY	F4 CLOUD COVER CARPET TILE		MRGWB.					GYPBD.	11'-0"	GYP. BD. / PT. P-X
120	CORRIDOR	F1 8 X 48 PORCELAIN TILE		GWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
121	LOUNGE	F1 8 X 48 PORCELAIN TILE		GWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
122	SALES	F1 8 X 48 PORCELAIN TILE		MRGWB.					OPEN TO STRUCT. ABOVE		
123	SELF SERVE	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE		
124	SELF SERVE	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE / GYP. BD.	12'-0"	DROPPED GYP. BD. SOFFIT / PT. P-1
125	GAS ENTRANCE	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO RAFTERS	-	-
126	VESTIBULE	F1 8 X 48 PORCELAIN TILE		GWB.					GYPBD.	10'-0"	GYP. BD. / PT. P-1
127	QUEUEING	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE / GYP. BD.	-	-
128	DRIVERS MERCH	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE / GYP. BD.	8'-6"	DROPPED GYP. BD. SOFFIT / PT. P-1
129	DIESEL ENTRANCE	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE		
130	VESTIBULE	F1 8 X 48 PORCELAIN TILE		GWB.					GYPBD.	10'-0"	GYP. BD. / PT. P-1
131	LOTTO/ATM	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE		
132	CASHIER	F1 8 X 48 PORCELAIN TILE		MRGWB.					GYPBD.	10'-0" 8'-0"	GYP. BD. / PT. P-1 DROPPED GYP. BD. SOFFIT / PT. P-1
133	EMPLOYEES	F3 EPOXY FLOOR		MRGWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
134	LOCKED STORAGE	F3 EPOXY FLOOR		MRGWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
135	STORAGE	F3 EPOXY FLOOR		MRGWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
136	OFFICE	F3 EPOXY FLOOR		GWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
137	OFFICE	F3 EPOXY FLOOR		GWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
138	PREP. AREA	F3 EPOXY FLOOR		MRGWB.					2' X 4' LAY-IN PANELS	12'-0"	TILE/GRID ULTIMA HEALTH BONE BY ARMSTRONG / WHITE GRID
139	PREP. AREA	F3 EPOXY FLOOR		MRGWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
140	ELECT./MECH/ NETWORK ROOM	F3 EPOXY FLOOR		MRGWB.					OPEN TO STRUCT. ABOVE		
141	QSR TBD	FINISHES TBD BY VENDOR		MRGWB.							
142	SBARRO	FINISHES TBD BY VENDOR		MRGWB.					2' X 2' LAY-IN PANELS	11'-0"	TILE/GRID WHITE BY ARMSTRONG
143	SEATING	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO RAFTERS / SOUNDSCAPE BLADES	10'-6"	SOUND. BLADES BY ARMSTRONG IN WHITE
144	QSR ENTRANCE	F1 8 X 48 PORCELAIN TILE		GWB.					OPEN TO STRUCT. ABOVE		
145	VESTIBULE	F1 8 X 48 PORCELAIN TILE		GWB.					GYPBD.	10'-0"	GYP. BD. / PT. P-1
146	QSR	FINISHES TBD BY VENDOR		GWB / MRGWB.					2' X 2' / 2 X 4' LAY-IN PANELS - GYPBD.	10'-0" 9'-0"	SEE SHEET A-103.

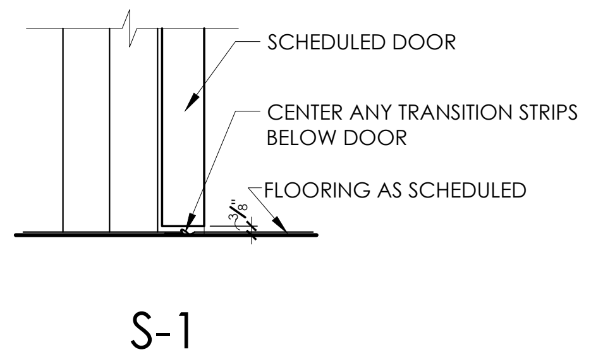
INTERIOR FINISH PAINT SCHEDULE

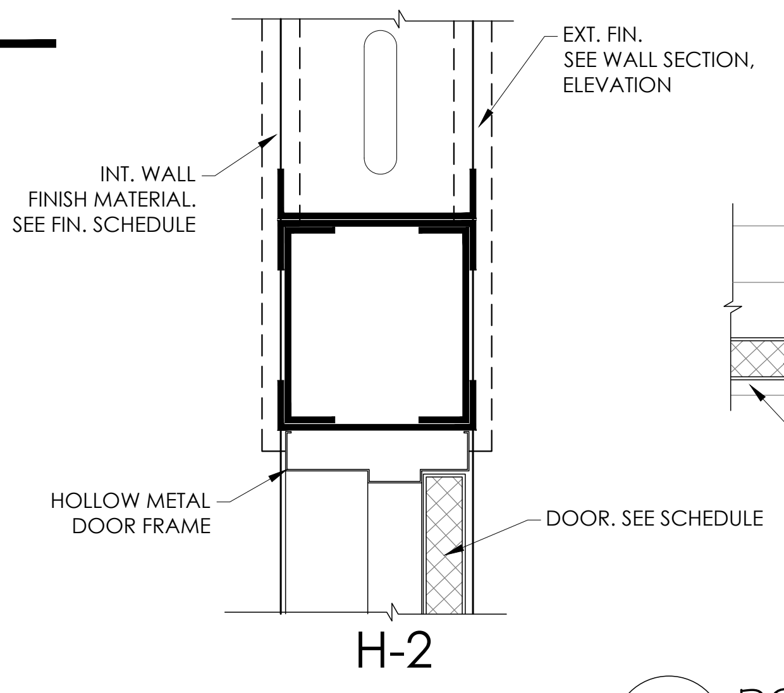
ID	DESCRIPTION	COLOR	MANUFACTURER/CONTACT
P1	EGGSHELL FINISH PRO INDUSTRIAL PRE-CATALYZED WATER BASED	HIGH REFLECTIVE WHITE #SW7757	SHERWIN WILLIAMS
	EPOXYK45- 1150 SERIES		ASHLYNN BOURQUE 214.553.3944
P2	EGGSHELL FINISH PRO INDUSTRIAL PRE-CATALYZED WATER BASED	TA BLUE: CUSTOM COLOR MIX TO MATCH PMS 300C	SHERWIN WILLIAMS
	EPOXYK45- 1150 SERIES		ASHLYNN BOURQUE 214.553.3944
P3	EGGSHELL FINISH PRO INDUSTRIAL PRE-CATALYZED WATER BASED	LIGHT FRENCH GRAY #SW0055	SHERWIN WILLIAMS
	EPOXYK45- 1150 SERIES		ASHLYNN BOURQUE 214.553.3944

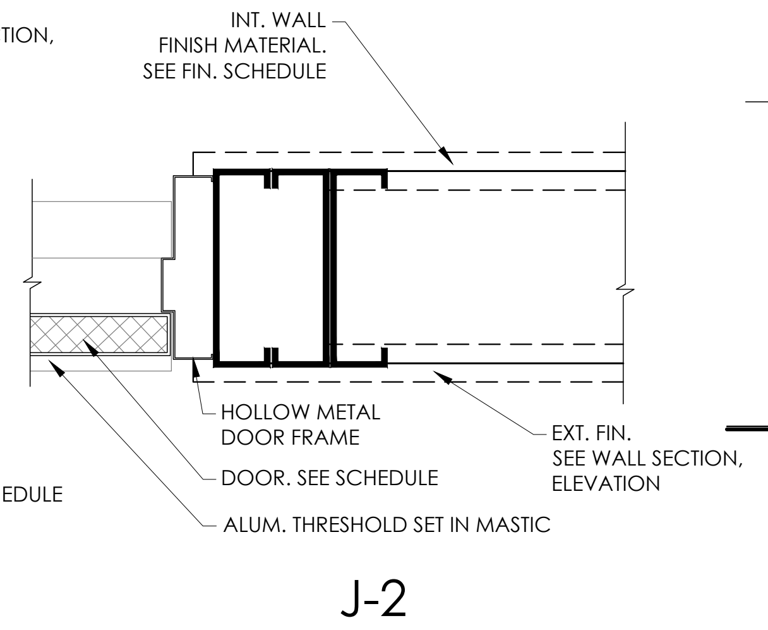
4 / A600 ROOM FINISH SCHEDULE
N.T.S.

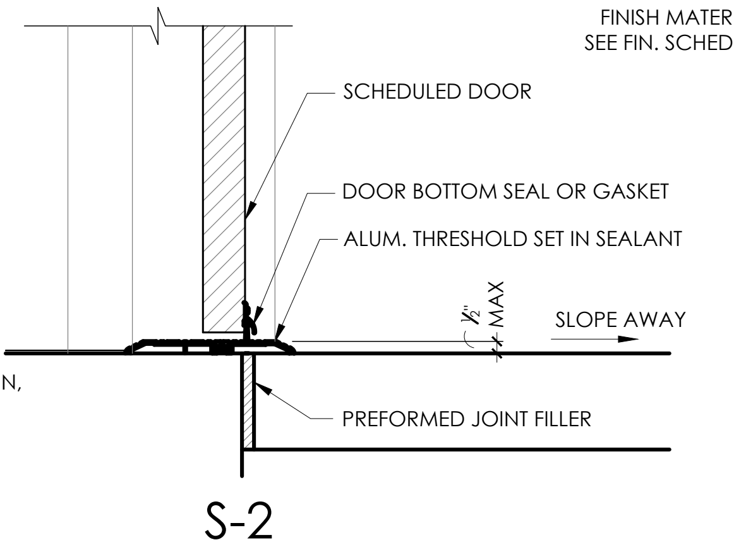


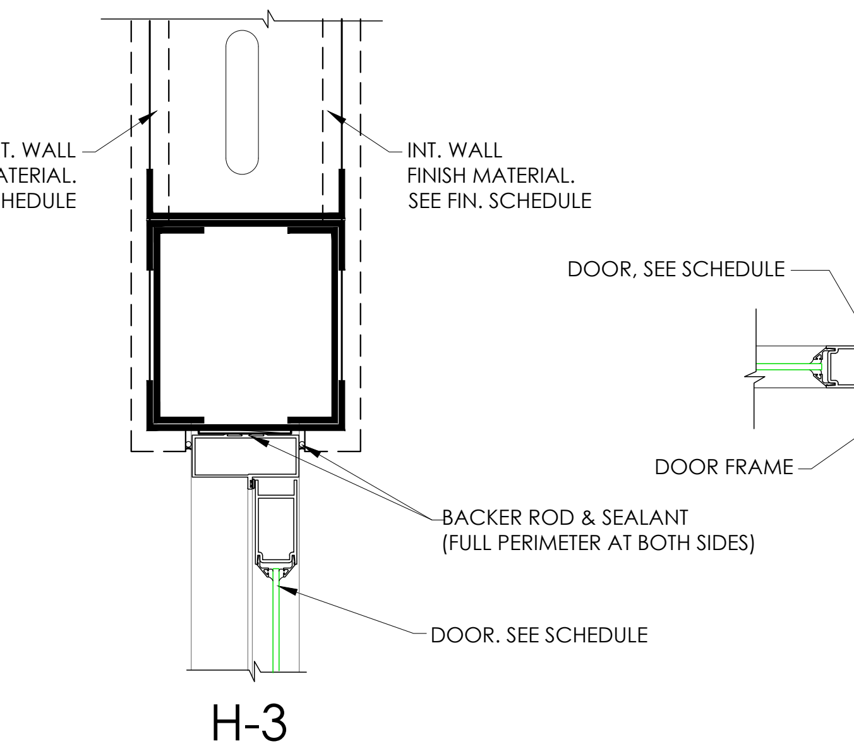


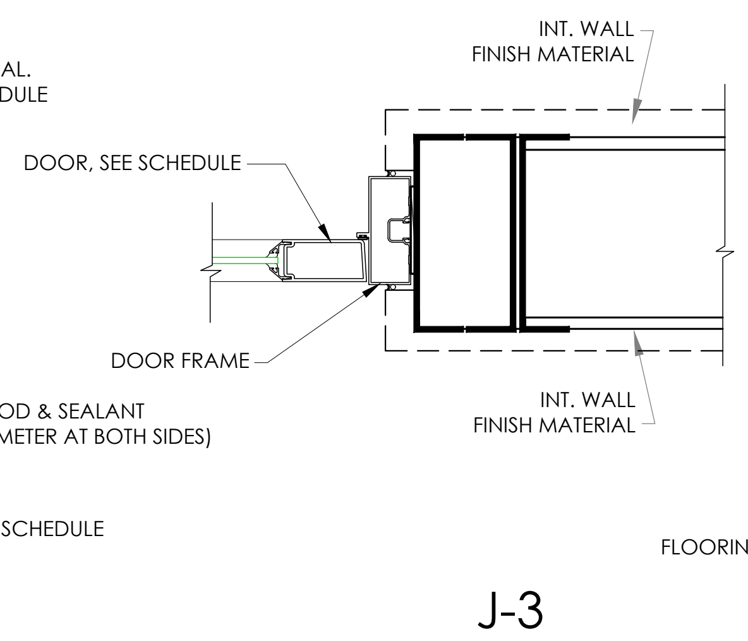


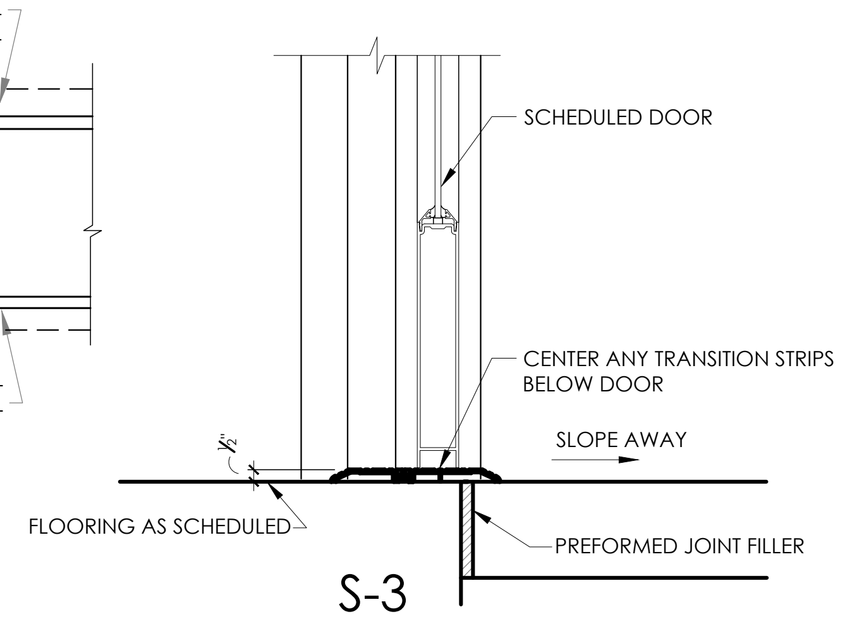

EXT. FIN. SEE WALL SECTION, ELEVATION
INT. WALL FINISH MATERIAL. SEE FIN. SCHEDULE
HOLLOW METAL DOOR FRAME
DOOR. SEE SCHEDULE
H-2


INT. WALL FINISH MATERIAL. SEE FIN. SCHEDULE
HOLLOW METAL DOOR FRAME
DOOR. SEE SCHEDULE
ALUM. THRESHOLD SET IN MASTIC
EXT. FIN. SEE WALL SECTION, ELEVATION
J-2




EXT. WALL FINISH MATERIAL. SEE FIN. SCHEDULE
INT. WALL FINISH MATERIAL. SEE FIN. SCHEDULE
BACKER ROD & SEALANT (FULL PERIMETER AT BOTH SIDES)
DOOR. SEE SCHEDULE
H-3





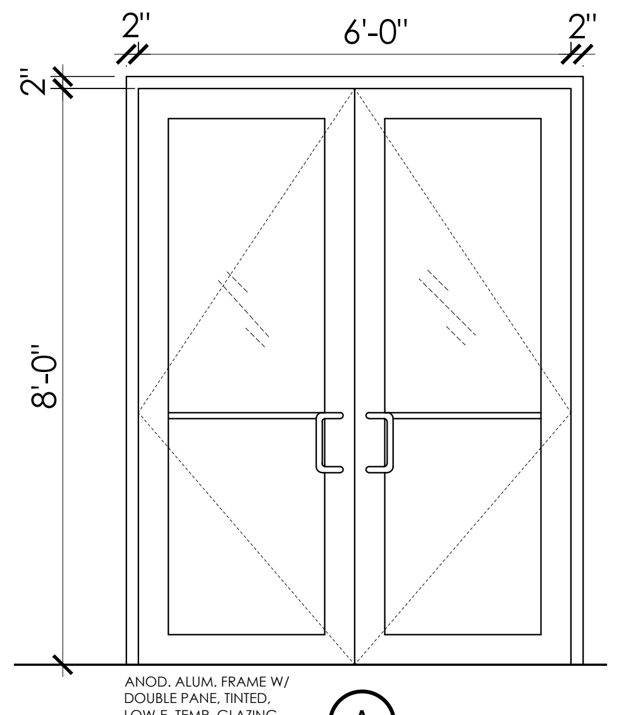
2 / A600 DOOR HEAD, JAMB & SILL DETAILS
1 1/2" = 1'-0"

DOOR SCHEDULE

ROOMS			DOOR SIZES		DOORS	FRAMES	FRAME DETAILS				HARDWARE SET GC TO PROVIDE
ROOM NUMBER	ROOM NAME	TYPE	WIDTH	HEIGHT	MATERIAL	MATERIAL	HEAD	JAMB	SILL	REMARKS	
100	VESTIBULE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
101	SEATING	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
125	GAS ENTRANCE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
126	VESTIBULE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
144	QSR ENTRANCE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
145	VESTIBULE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
129	DIESEL ENTRANCE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
130	VESTIBULE	A	3'-0"	7'-0"	GLASS/ALUM	ALUM	H3	J3	S3	1" INSUL./TEMP GLAZ.	
102	JANITOR	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
104	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
105	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
106	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
107	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
108	CORRIDOR	D	4'-0"	7'-0"	HM	HM	H1	J1	S1		
109	PORTER LAUNDRY	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
111	FAMILY RESTROOM	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
112	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
113	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
114	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
115	SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
116	MOP CLOSET	B	2'-0"	7'-0"	HM	HM	H1	J1	S1		
118	ADA SHOWER	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
133B	EMPLOYEES	D	4'-0"	7'-0"	HM	HM	H1	J1	S1		
140	ELECT./MECH./NETWORK	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
146	WENDY'S EMPLOYEES	D	4'-0"	7'-0"	HM	HM	H1	J1	S1		
146A	WENDY'S EMPLOYEES	H	3'-6"	7'-0"	HM	HM	H1	J1	S1		
136	OFFICE	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
137A	OFFICE	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
137B	OFFICE	B	3'-0"	7'-0"	HM	HM	H1	J1	S1		
139A	PREP. AREA	F	3'-0"	7'-0"	HM	HM					
139B	PREP. AREA	F	3'-0"	7'-0"	HM	HM					

DOOR SCHEDULE:

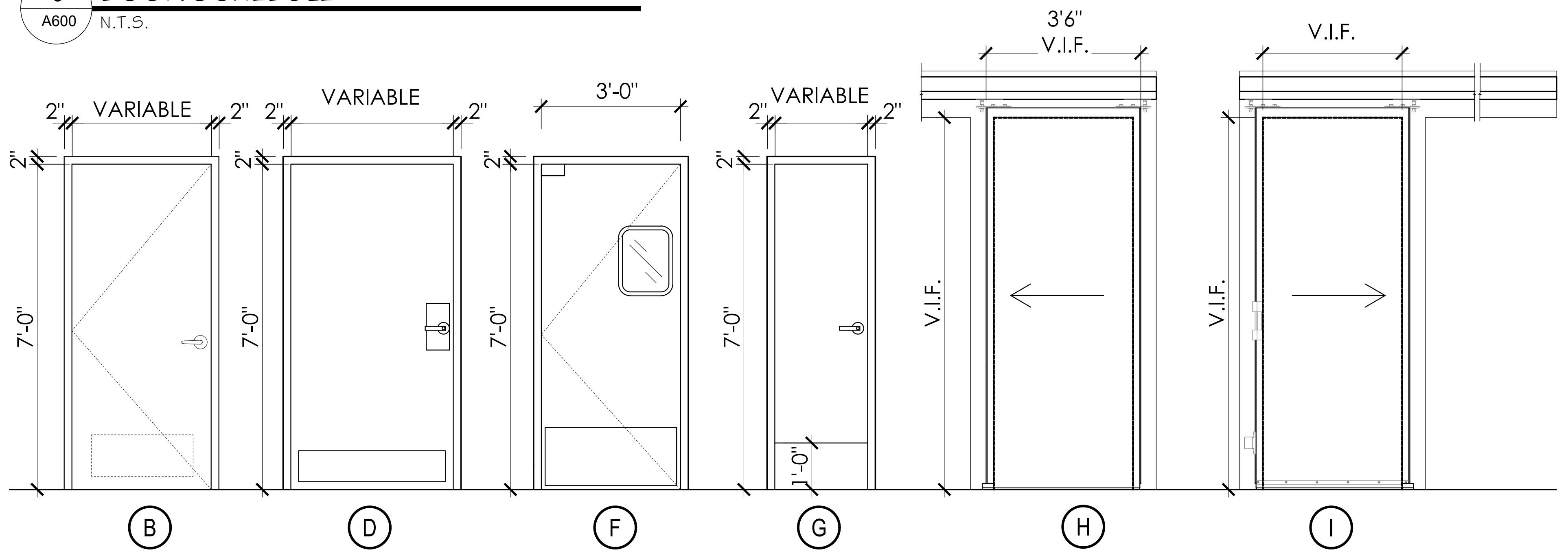
A	ALUMINUM AND GLASS ENTRY DOOR WITH AUTO CLOSER AND LOCK.
B	HOLLOW METAL STEEL DOOR WITH AUTO CLOSER AND LOCK.
C	3'-0" VAULT DOOR PROVIDED BY COOLER MANUFACTURER.
D	EXTERIOR HOLLOW METAL STEEL DOOR WITH EMERGENCY HARDWARE.
E	30" X 75" WALK-IN COOLER DOORS ARE ANTHONY WITH LED LIGHTING, BLACK FRAMES AND HARDWARE.
F	CAFE STYLE BI-SWING DOORS W/ WINDOW BY ELIASON.
G	SOLID WOOD DOOR WITH HM FRAME, UNDER CUT 12".
H	INTERIOR SLIDING DOOR PLASTIC LAMINATE.
I	3'-0" COOLER SLIDING DOOR BY FRANK DOORS. CONTACT DON ALCALA FOR QUOTE DALCALA@FRANKDOOR.COM 817-471-7595



ANOD. ALUM. FRAME W/ DOUBLE PANE, TINTED, LOW-E, TEMP. GLAZING
SHGC: 0.60
U-FAC: 0.80

A

3 / A600 DOOR SCHEDULE
N.T.S.



1 / A600 DOOR TYPES & ELEVATIONS
3/8" = 1'-0"

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:00 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

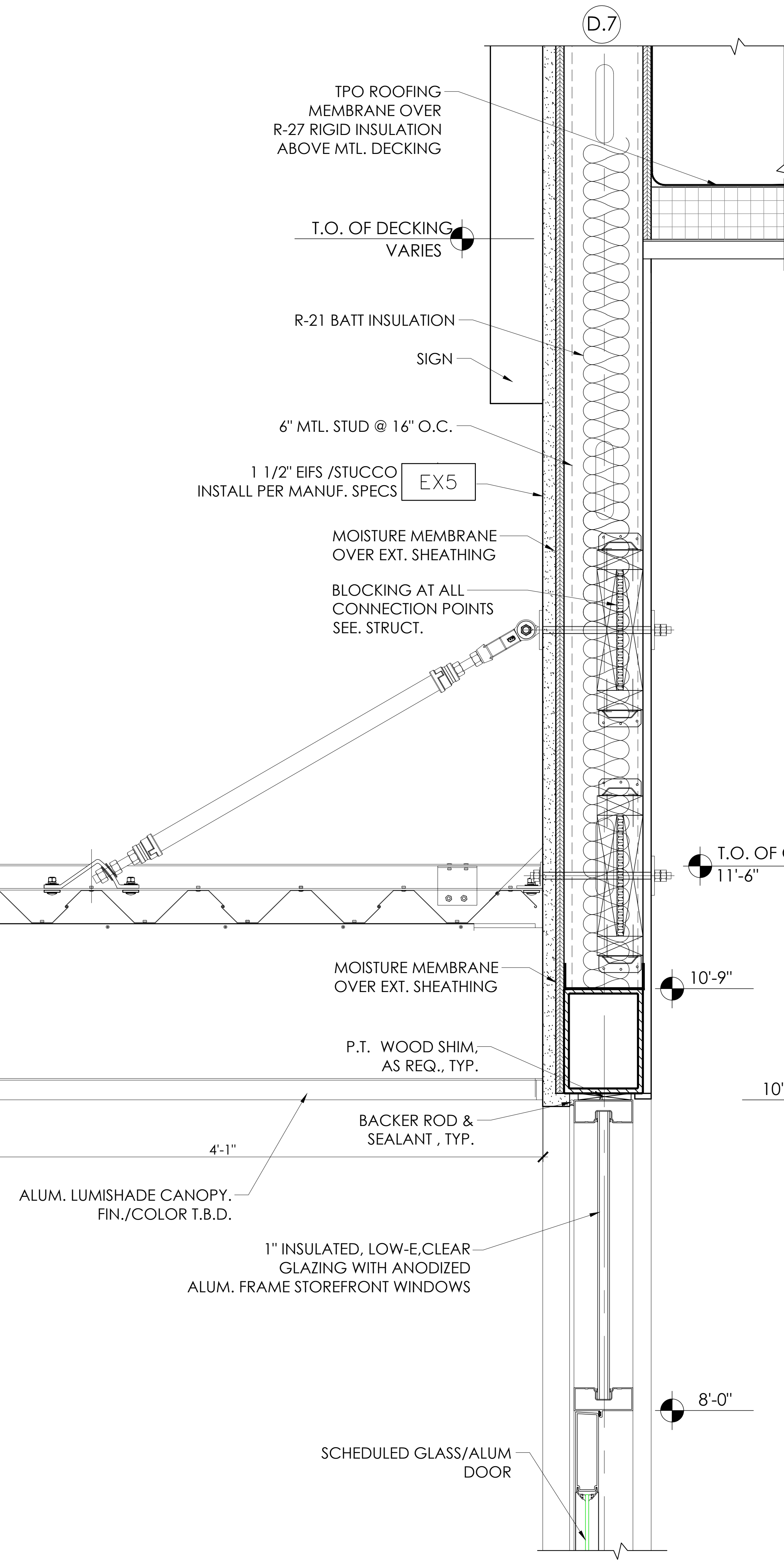
PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA.
TRAVEL CENTER
TUCUMCARI, NM

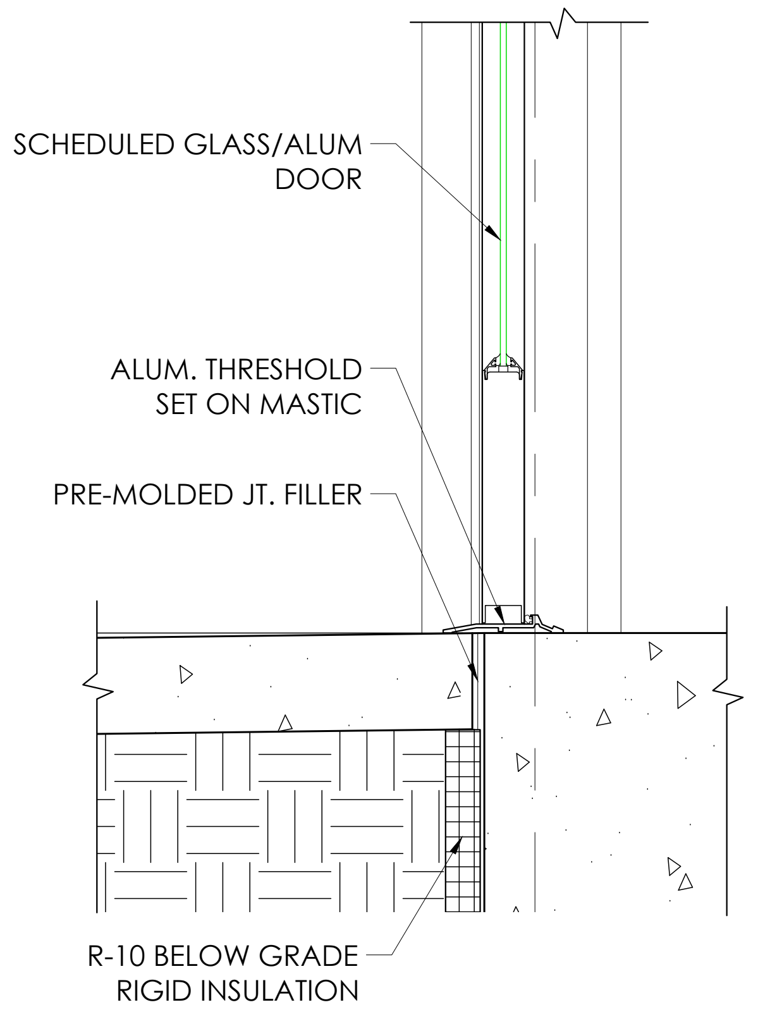
SHEET TITLE:
ROOM FINISH SCHEDULE
DOORS SCHEDULE

PROJECT NO: 22057

A600

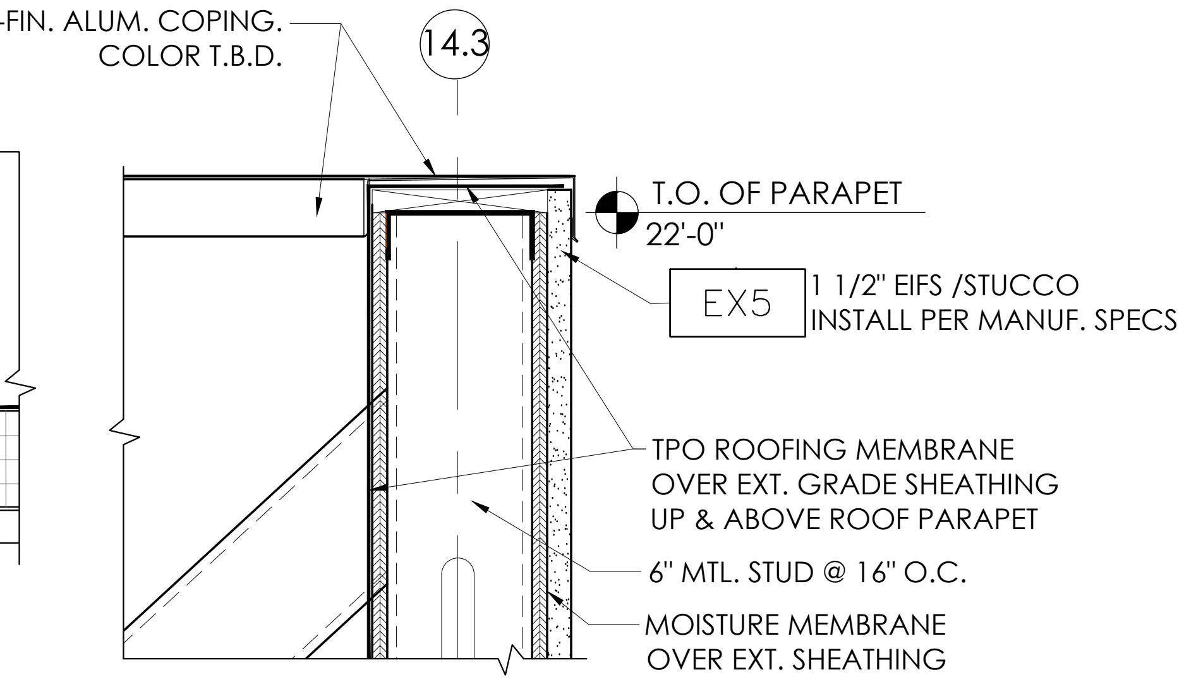

D.7
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION ABOVE MTL. DECKING
T.O. OF DECKING VARIES
R-21 BATT INSULATION
SIGN
6" MTL. STUD @ 16" O.C.
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
EX5
MOISTURE MEMBRANE OVER EXT. SHEATHING
BLOCKING AT ALL CONNECTION POINTS SEE. STRUCT.
T.O. OF CANOPY 11'-6"
1'-6"
MOISTURE MEMBRANE OVER EXT. SHEATHING
10'-9"
P.T. WOOD SHIM, AS REQ., TYP.
BACKER ROD & SEALANT , TYP.
4'-1"
ALUM. LUMISHADE CANOPY. FIN./COLOR T.B.D.
1" INSULATED, LOW-E,CLEAR GLAZING WITH ANODIZED ALUM. FRAME STOREFRONT WINDOWS
8'-0"
SCHEDULED GLASS/ALUM DOOR

2 DETAIL
A700 1 1/2" = 1'-0"

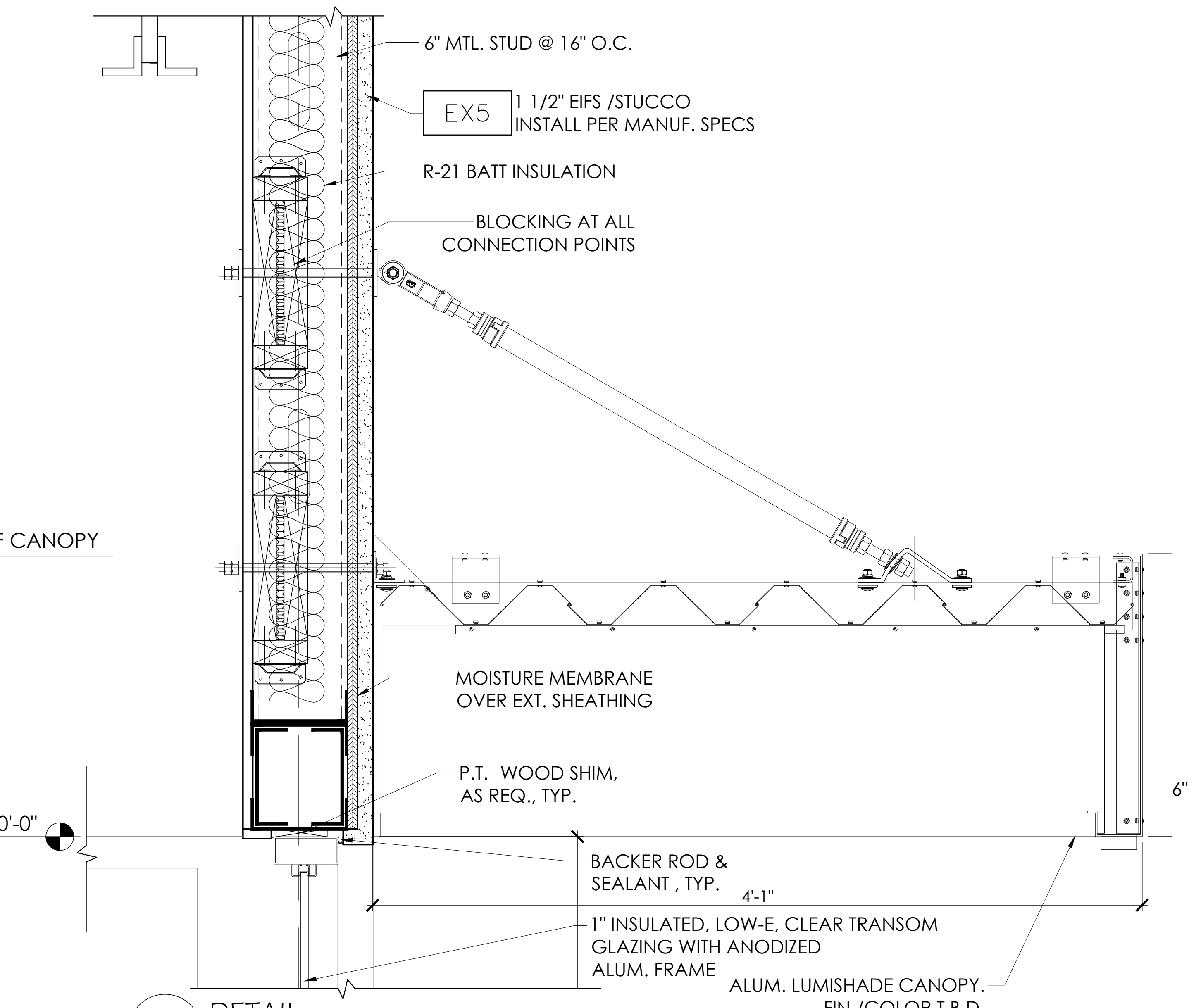

SCHEDULED GLASS/ALUM DOOR
ALUM. THRESHOLD SET ON MASTIC
PRE-MOLDED JT. FILLER
R-10 BELOW GRADE RIGID INSULATION

1 DETAIL
A700 1 1/2" = 1'-0"

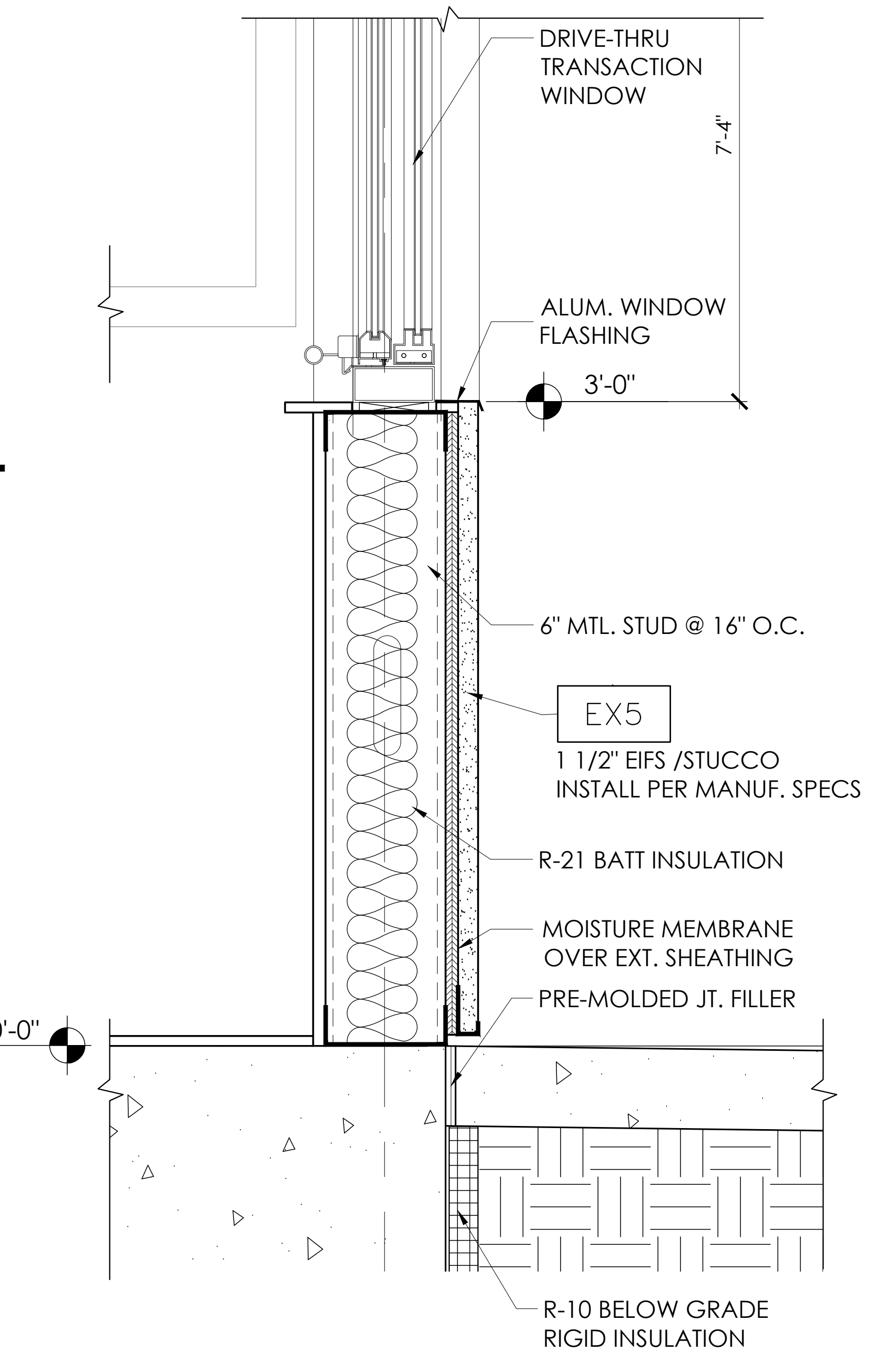
PRE-FIN. ALUM. COPING. COLOR T.B.D.


14.3
T.O. OF PARAPET 22'-0"
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
6" MTL. STUD @ 16" O.C.
MOISTURE MEMBRANE OVER EXT. SHEATHING

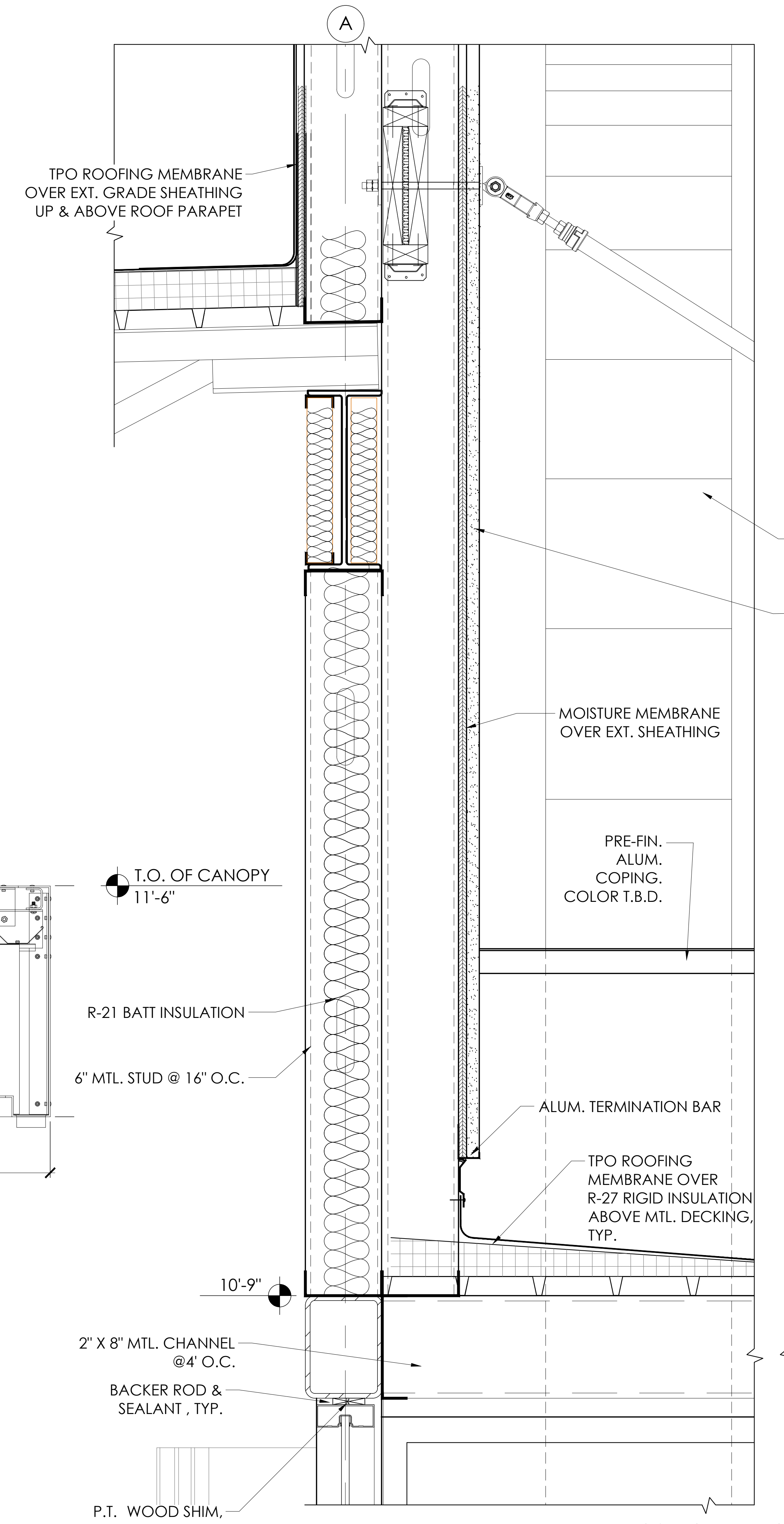
5 DETAIL
A700 1 1/2" = 1'-0"


6" MTL. STUD @ 16" O.C.
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
R-21 BATT INSULATION
BLOCKING AT ALL CONNECTION POINTS
MOISTURE MEMBRANE OVER EXT. SHEATHING
P.T. WOOD SHIM, AS REQ., TYP.
10'-0"
BACKER ROD & SEALANT , TYP.
4'-1"
1" INSULATED, LOW-E, CLEAR TRANSOM GLAZING WITH ANODIZED ALUM. FRAME
ALUM. LUMISHADE CANOPY. FIN./COLOR T.B.D.

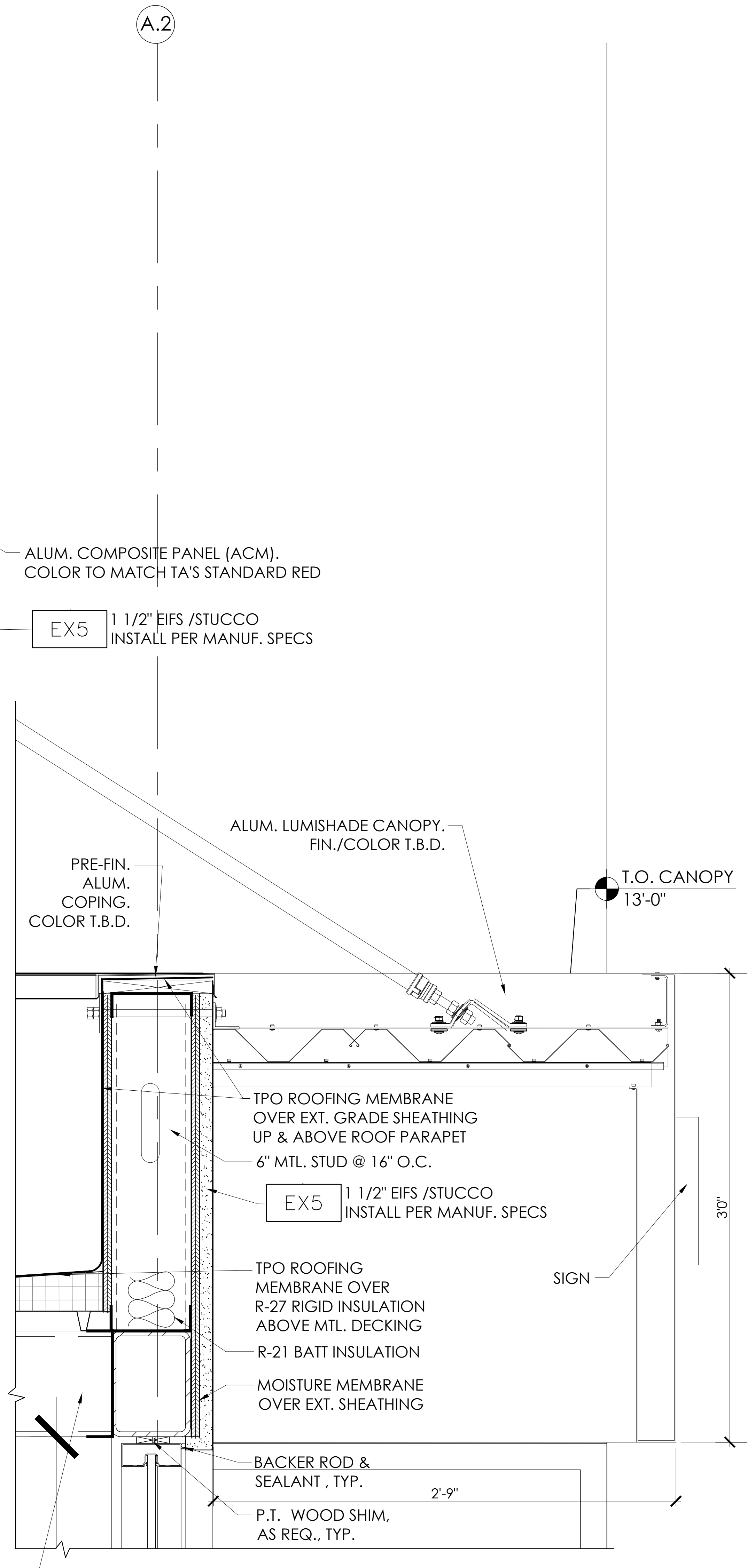
4 DETAIL
A700 1 1/2" = 1'-0"


DRIVE-THRU TRANSACTION WINDOW
7'-4"
ALUM. WINDOW FLASHING
3'-0"
6" MTL. STUD @ 16" O.C.
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
R-21 BATT INSULATION
MOISTURE MEMBRANE OVER EXT. SHEATHING
PRE-MOLDED JT. FILLER
0'-0"
R-10 BELOW GRADE RIGID INSULATION

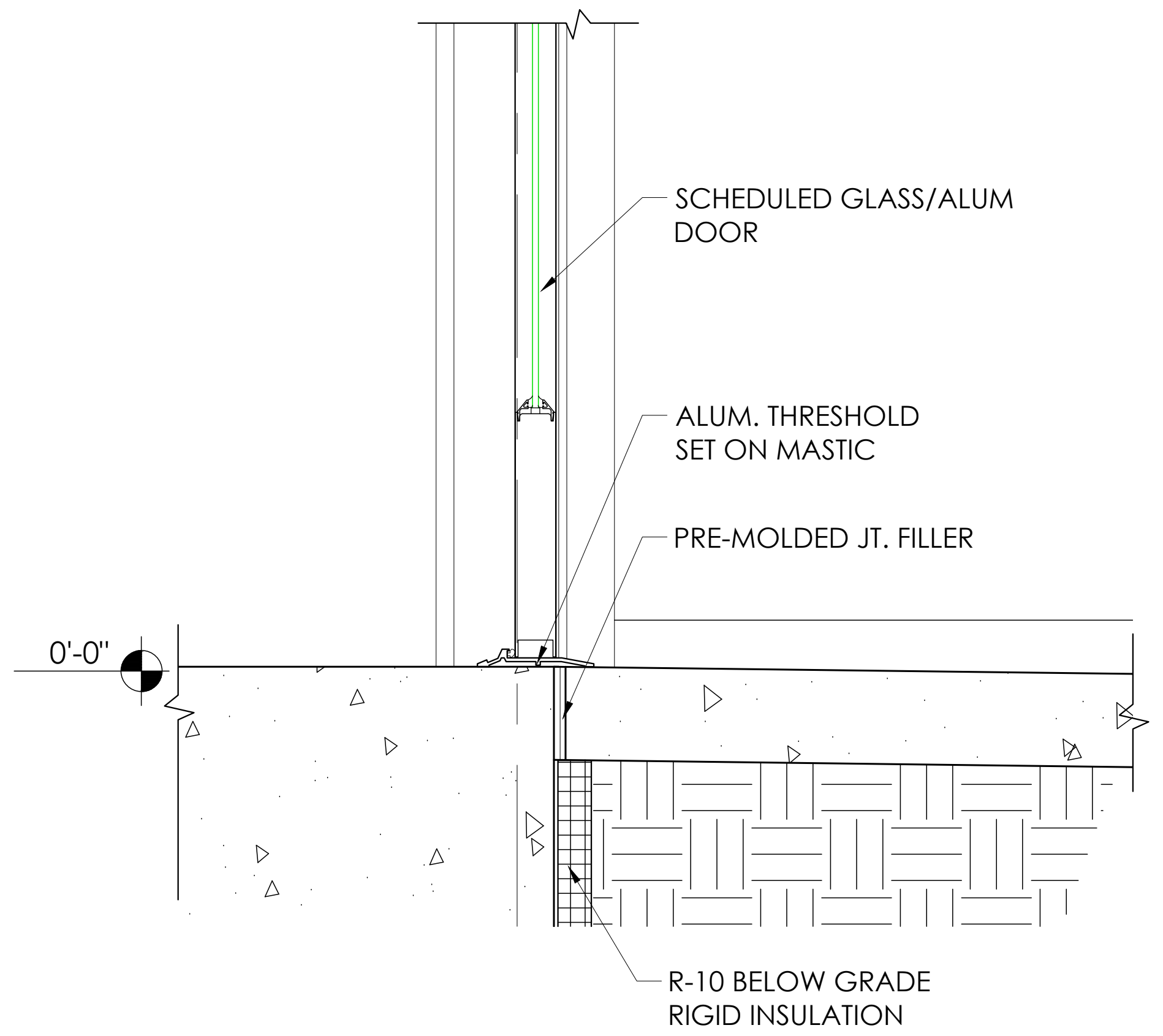
3 DETAIL
A700 1 1/2" = 1'-0"


A
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
T.O. OF CANOPY 11'-6"
MOISTURE MEMBRANE OVER EXT. SHEATHING
PRE-FIN. ALUM. COPING. COLOR T.B.D.
R-21 BATT INSULATION
6" MTL. STUD @ 16" O.C.
ALUM. TERMINATION BAR
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION ABOVE MTL. DECKING, TYP.
10'-9"
2" X 8" MTL. CHANNEL @4' O.C.
BACKER ROD & SEALANT , TYP.
P.T. WOOD SHIM, AS REQ., TYP.

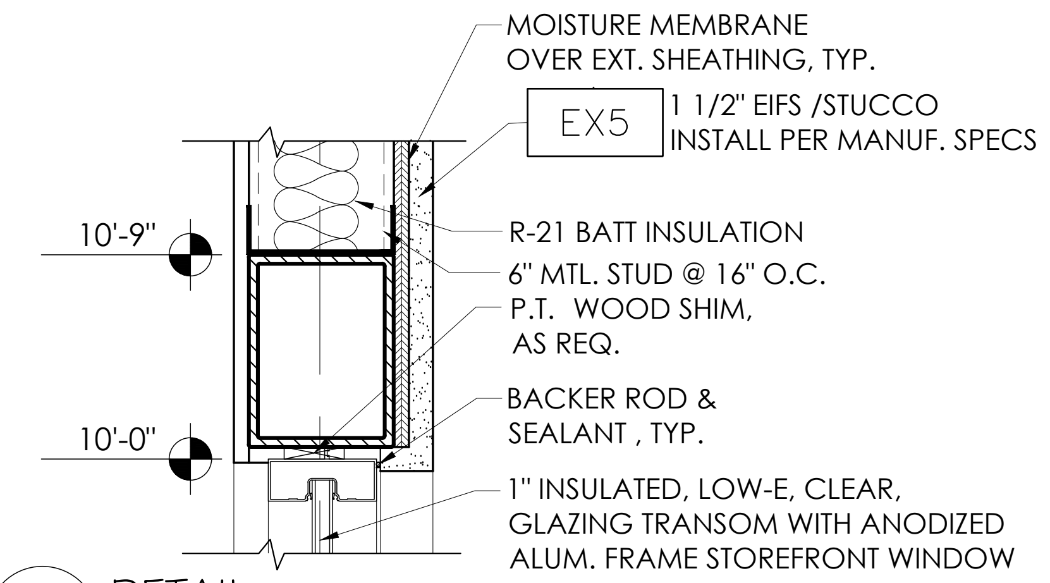
7 DETAIL
A700 1 1/2" = 1'-0"


A.2
ALUM. COMPOSITE PANEL (ACM). COLOR TO MATCH TA'S STANDARD RED
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
ALUM. LUMISHADE CANOPY. FIN./COLOR T.B.D.
T.O. CANOPY 13'-0"
PRE-FIN. ALUM. COPING. COLOR T.B.D.
TPO ROOFING MEMBRANE OVER EXT. GRADE SHEATHING UP & ABOVE ROOF PARAPET
6" MTL. STUD @ 16" O.C.
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
3'0"
TPO ROOFING MEMBRANE OVER R-27 RIGID INSULATION ABOVE MTL. DECKING
SIGN
R-21 BATT INSULATION
MOISTURE MEMBRANE OVER EXT. SHEATHING
BACKER ROD & SEALANT , TYP.
2'-9"
P.T. WOOD SHIM, AS REQ., TYP.
REFER TO STRUC. DRAWINGS

8 DETAIL
A700 1 1/2" = 1'-0"


SCHEDULED GLASS/ALUM DOOR
ALUM. THRESHOLD SET ON MASTIC
PRE-MOLDED JT. FILLER
0'-0"
R-10 BELOW GRADE RIGID INSULATION

6 DETAIL
A700 1 1/2" = 1'-0"


MOISTURE MEMBRANE OVER EXT. SHEATHING, TYP.
EX5
1 1/2" EIFS /STUCCO INSTALL PER MANUF. SPECS
10'-9"
R-21 BATT INSULATION
6" MTL. STUD @ 16" O.C.
P.T. WOOD SHIM, AS REQ.
BACKER ROD & SEALANT , TYP.
10'-0"
1" INSULATED, LOW-E, CLEAR, GLAZING TRANSOM WITH ANODIZED ALUM. FRAME STOREFRONT WINDOW

9 DETAIL
A700 1 1/2" = 1'-0"

NOTE:

1. REFER TO STRUC. DRAWINGS. FOR PARAPET FRAMING PLAN AND DETAILS.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005823

MRP
DESIGN GROUP

3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:

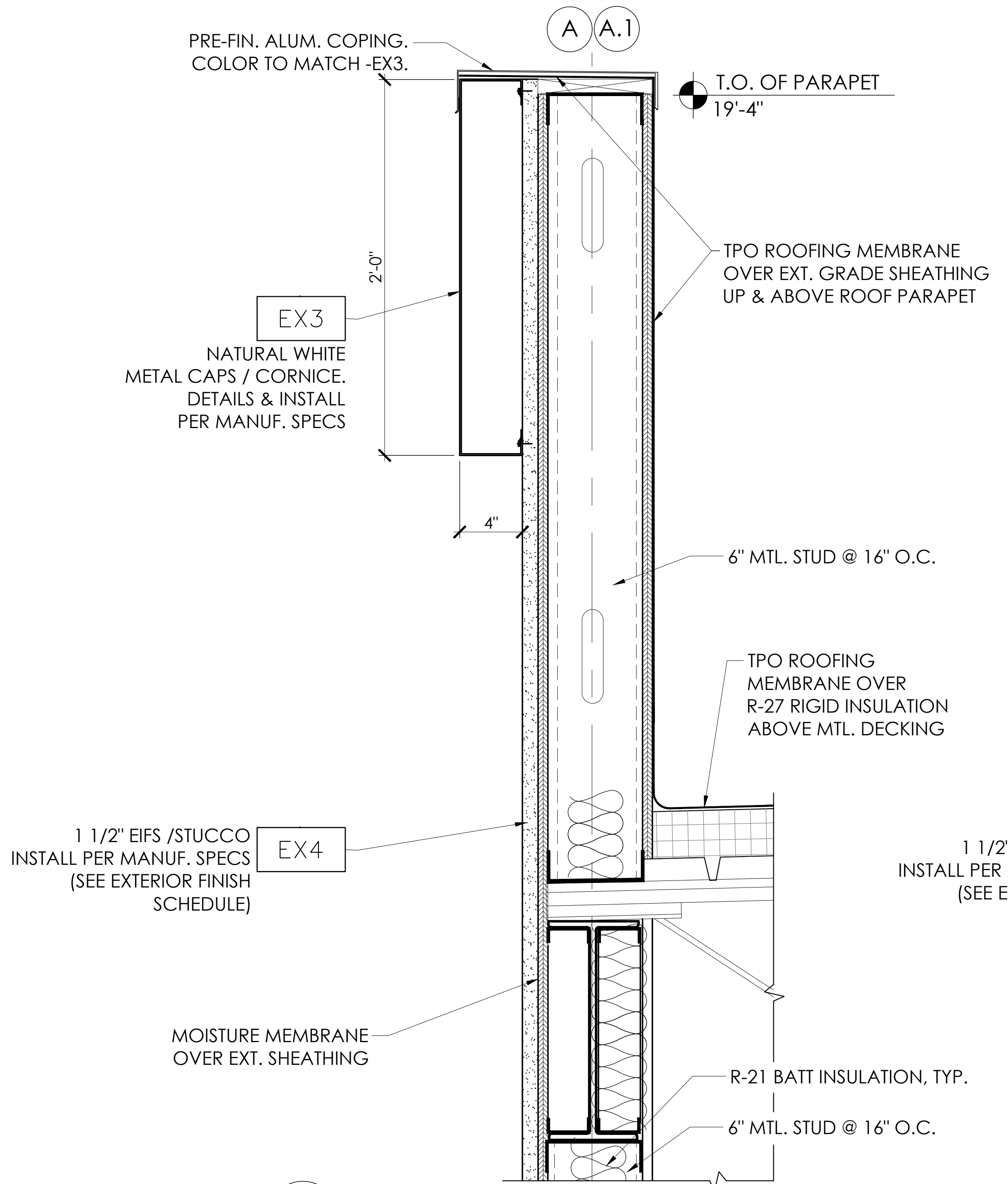
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:

DETAILS

PROJECT NO: 22057

A700



3 DETAIL
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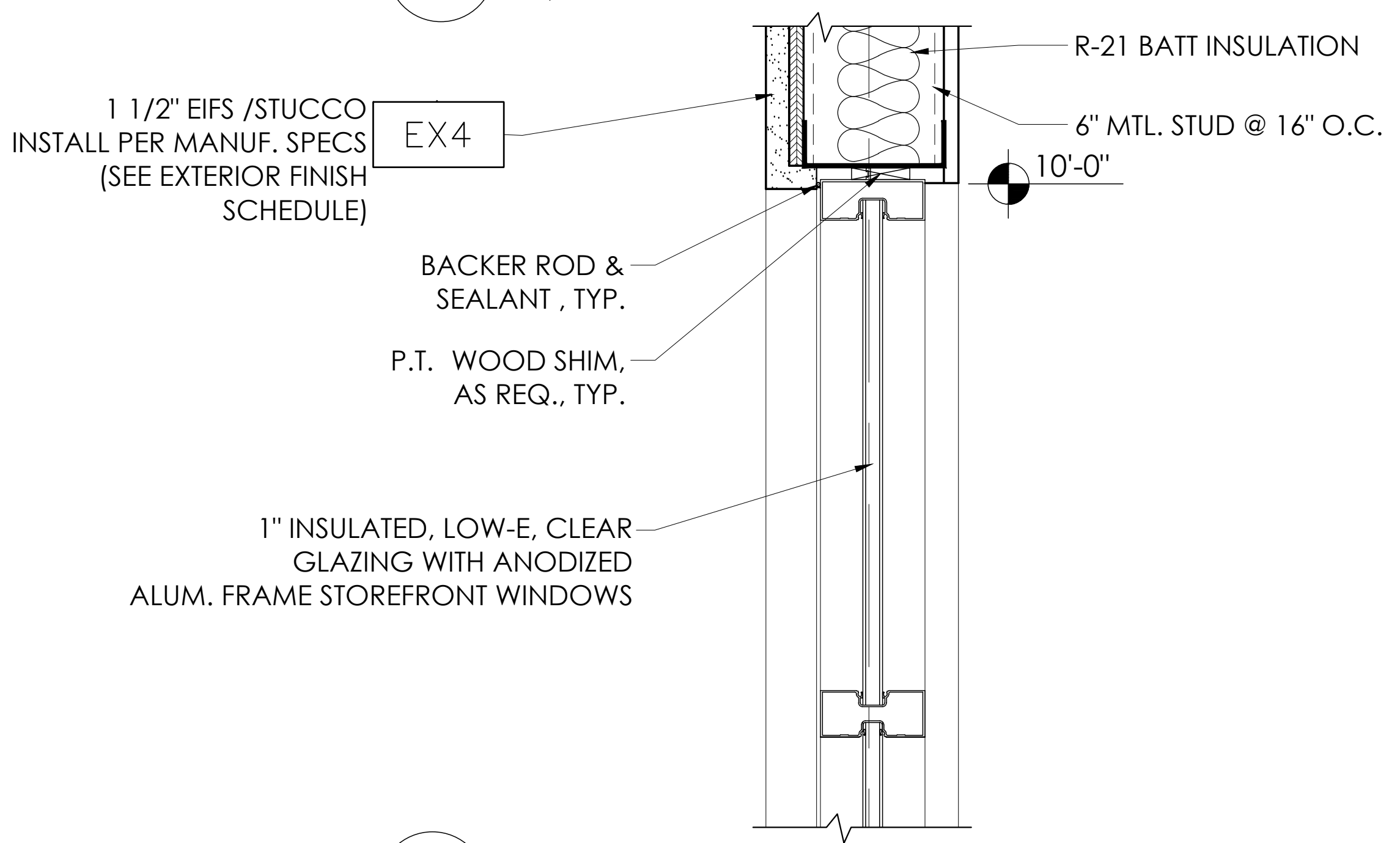

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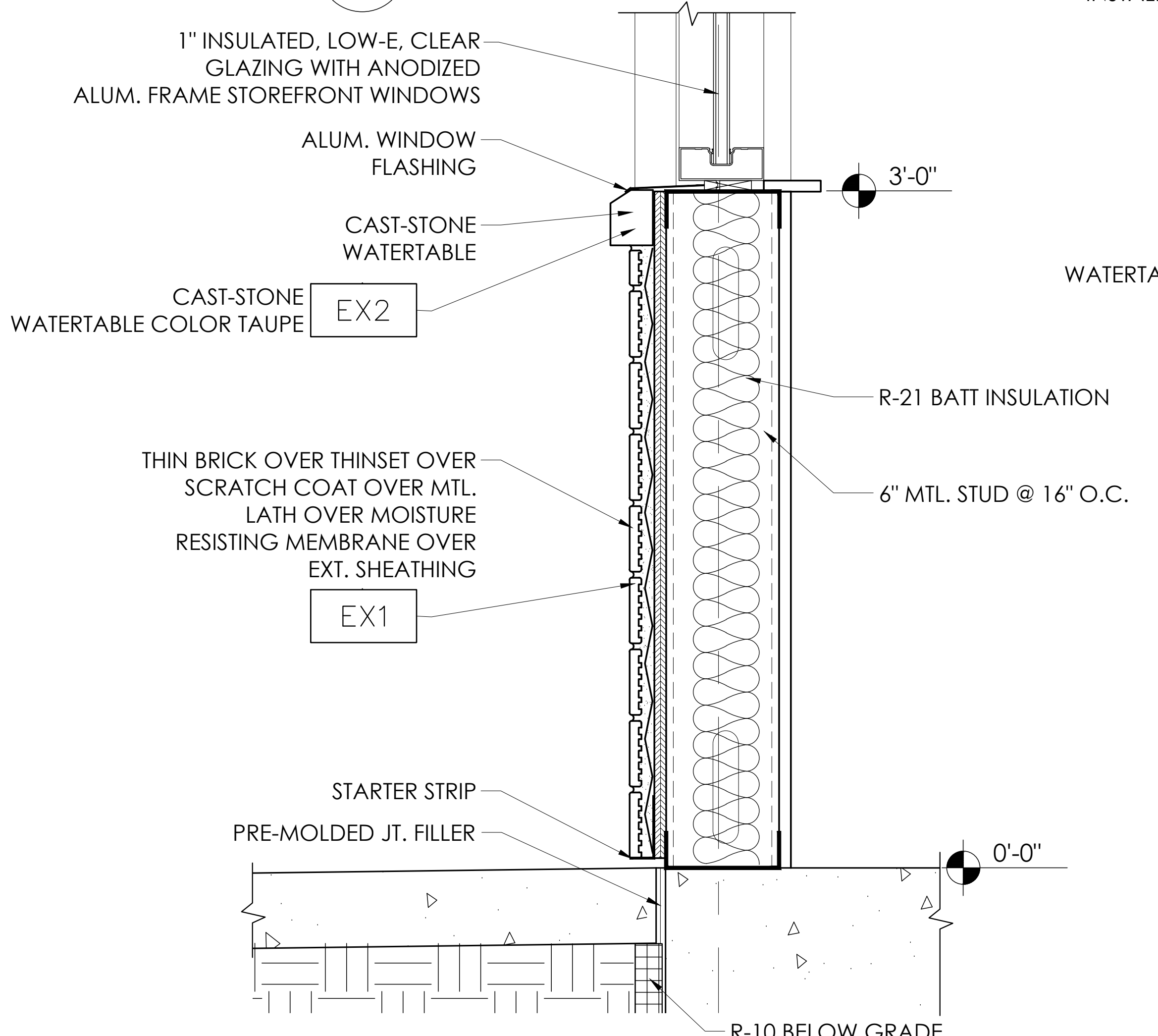

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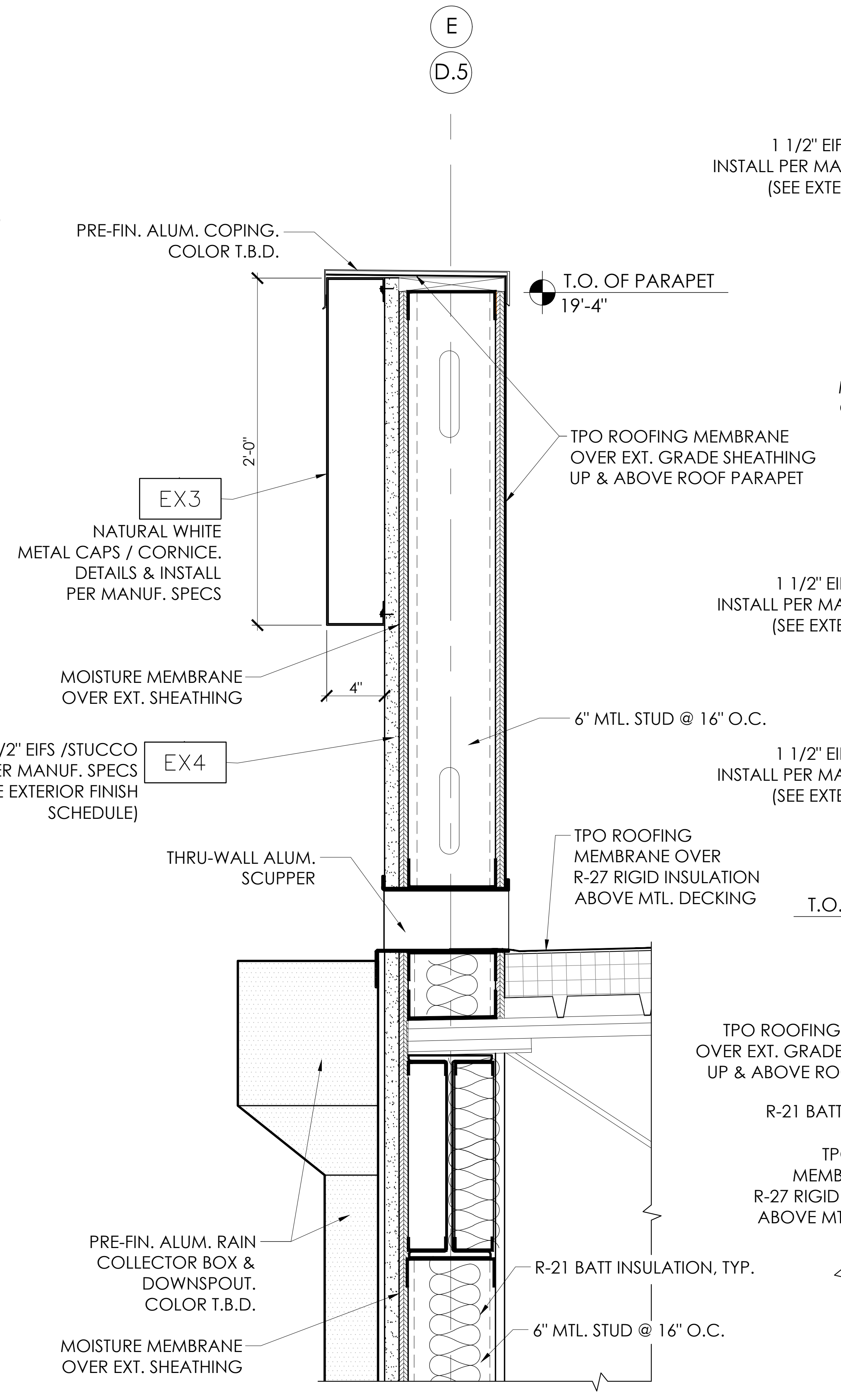

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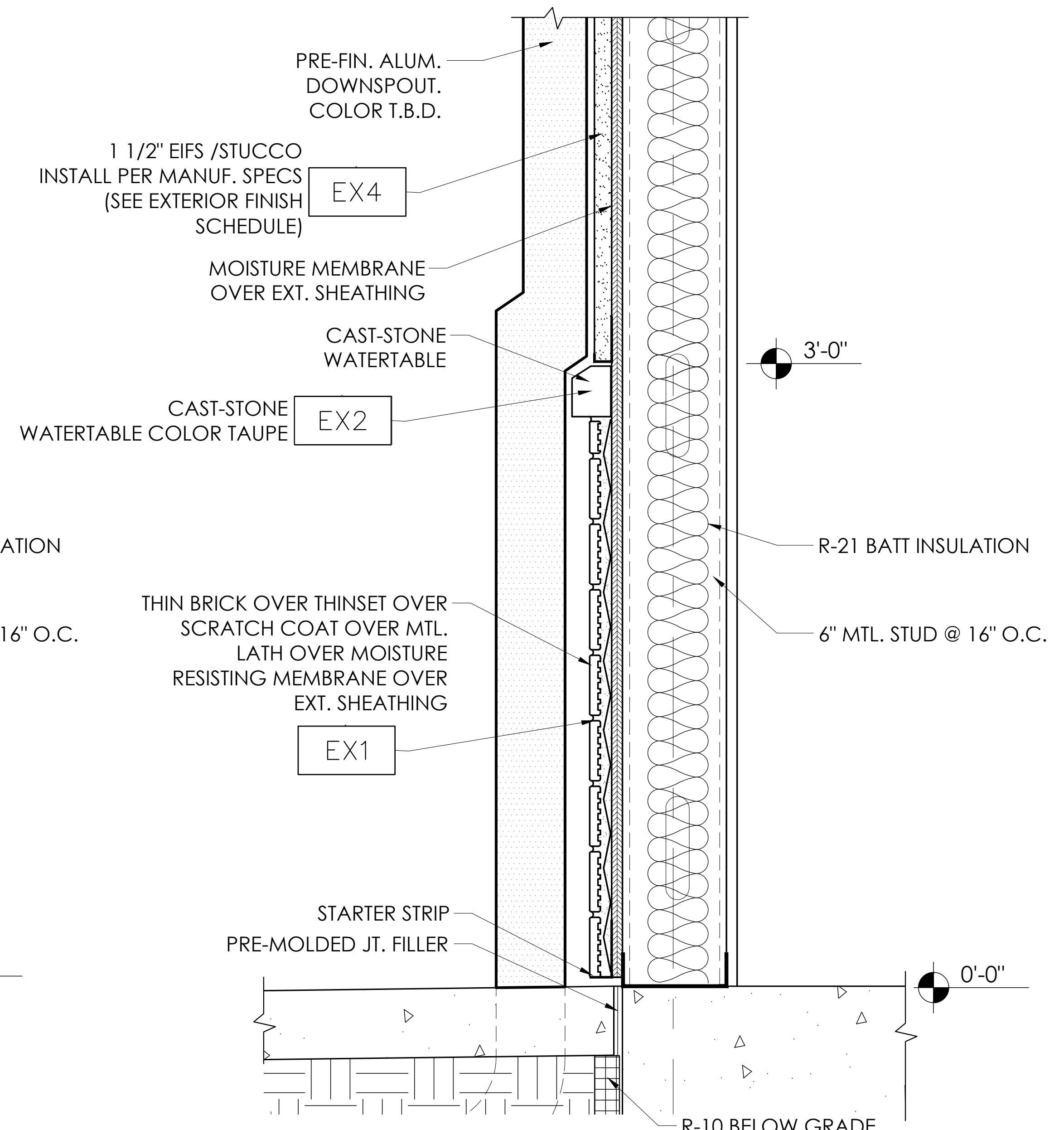
A701 1 1/2" = 1'-0"



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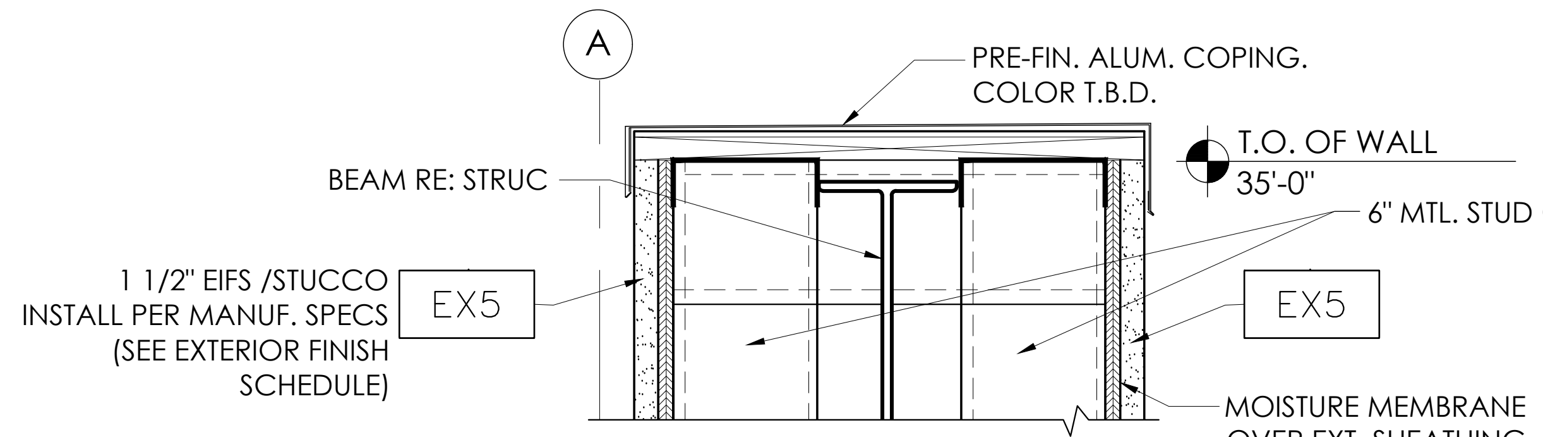

10 DETAIL
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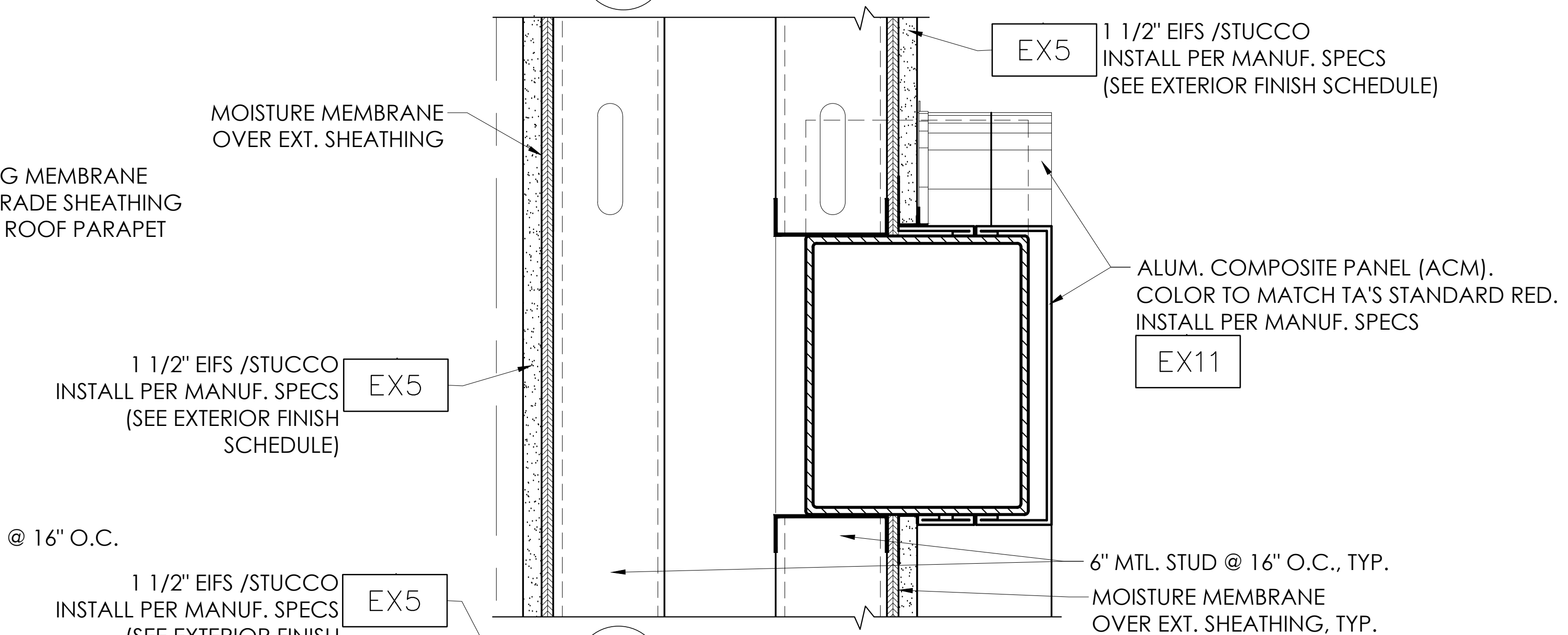

9 DETAIL
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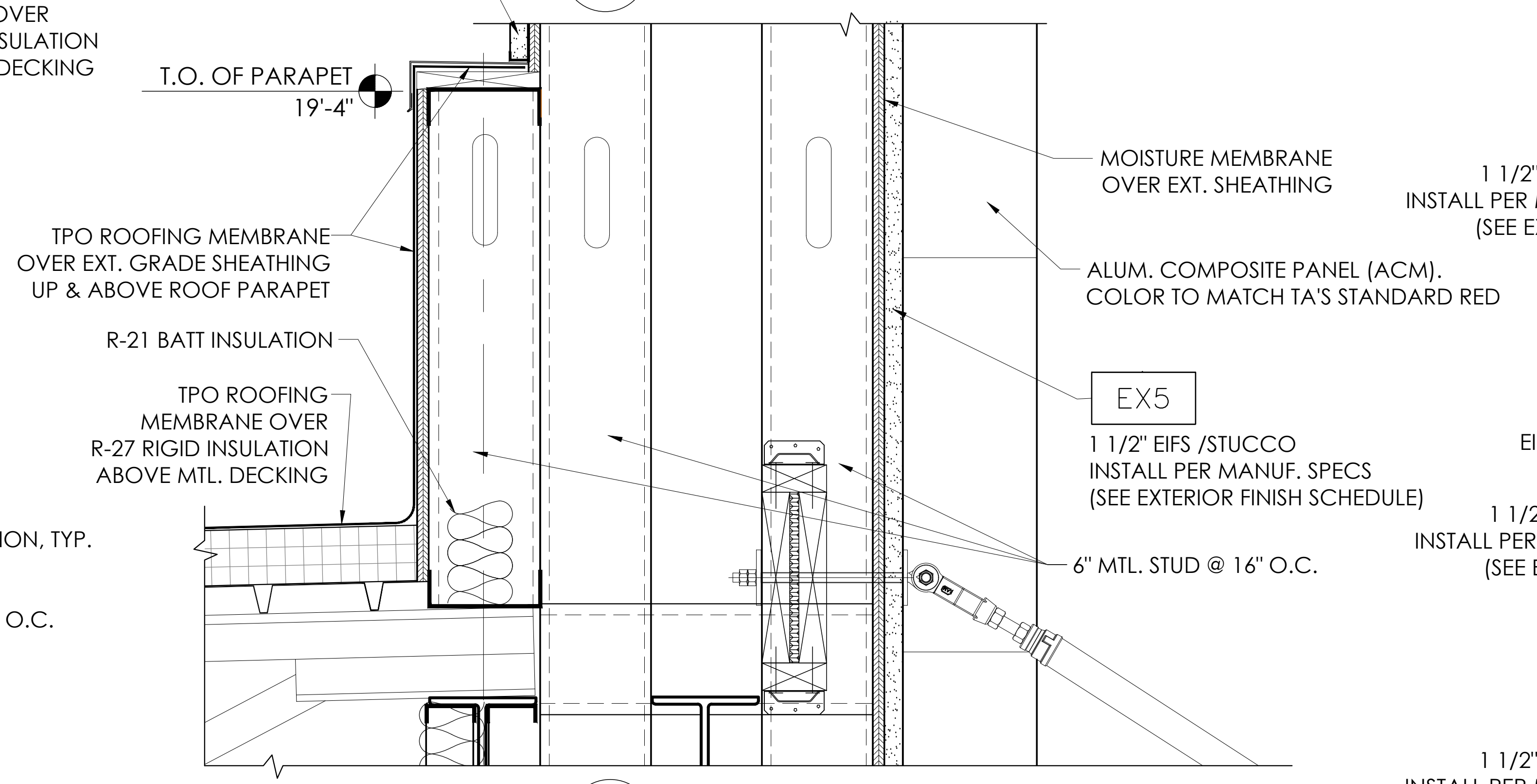

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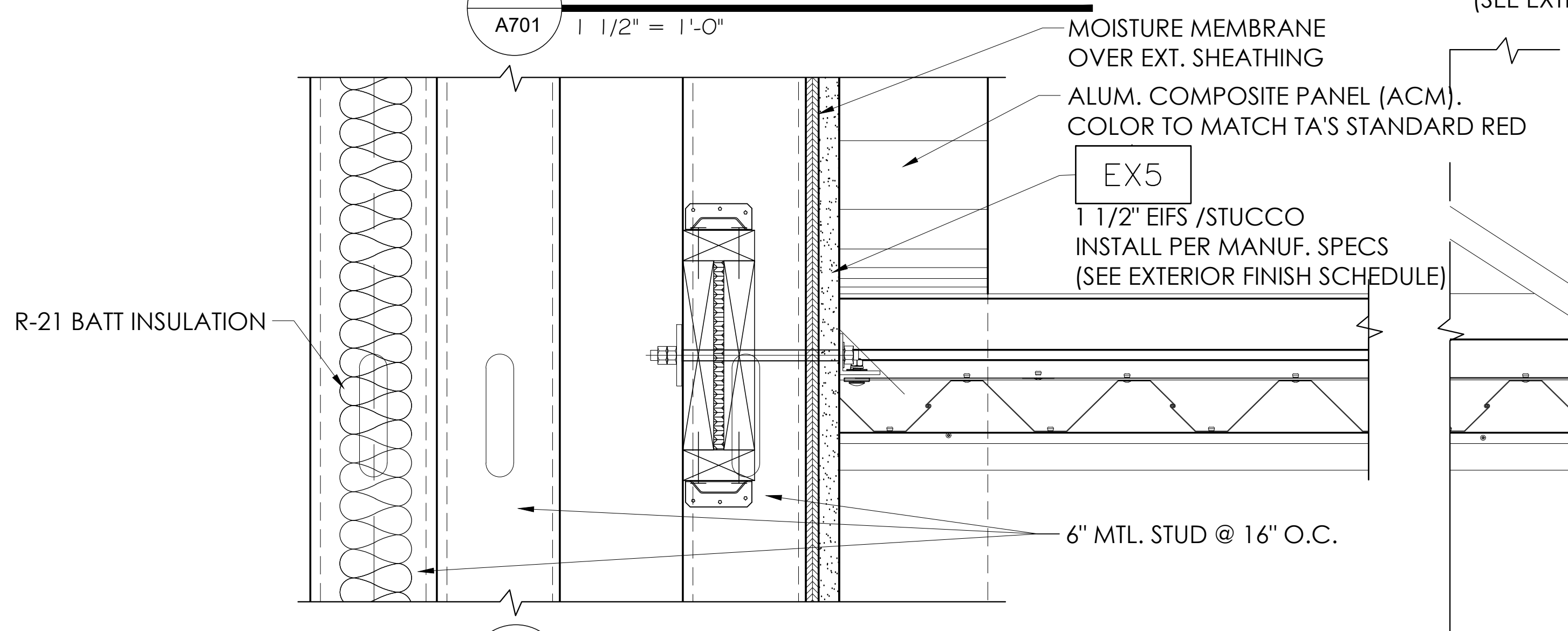

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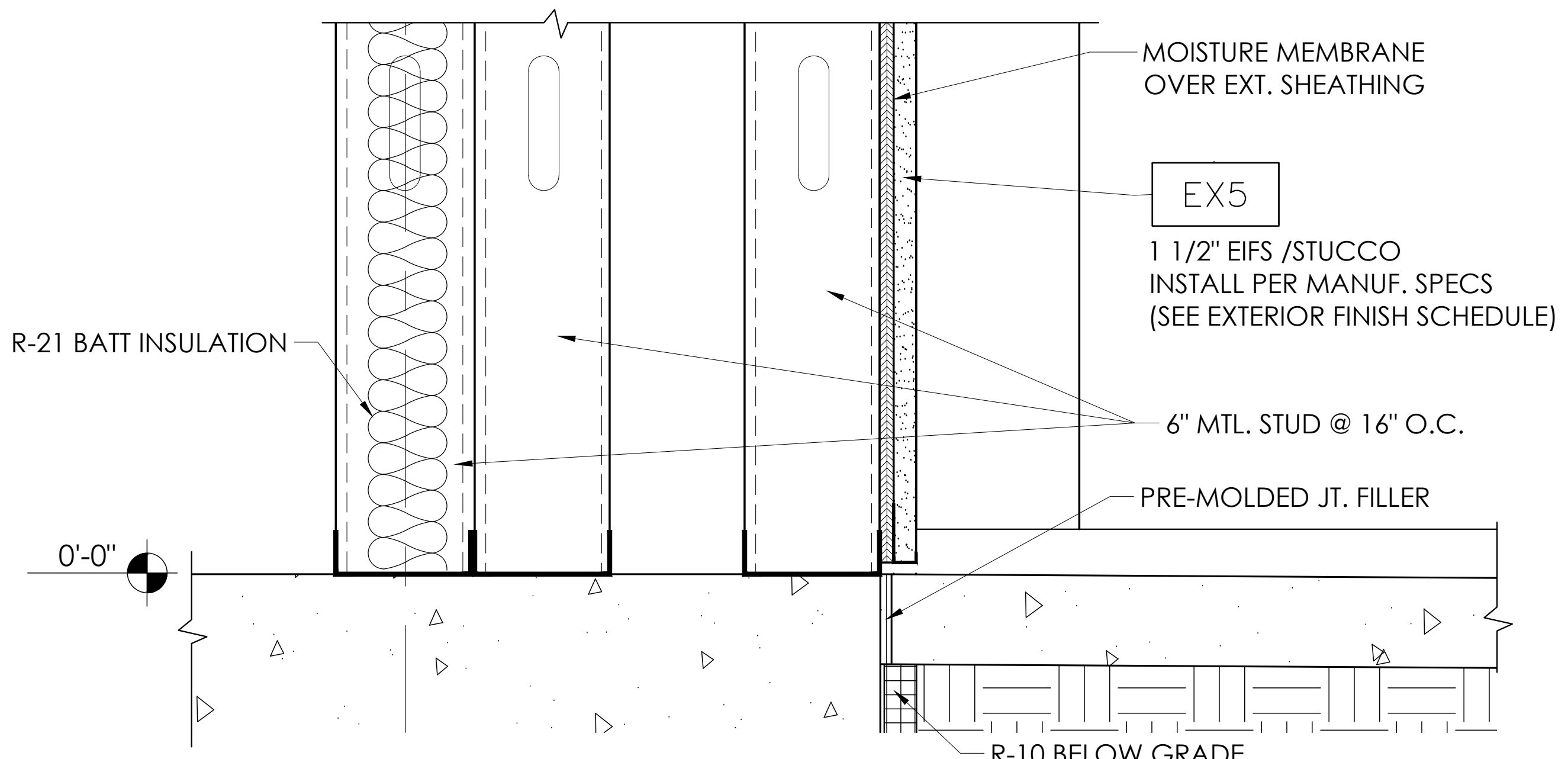
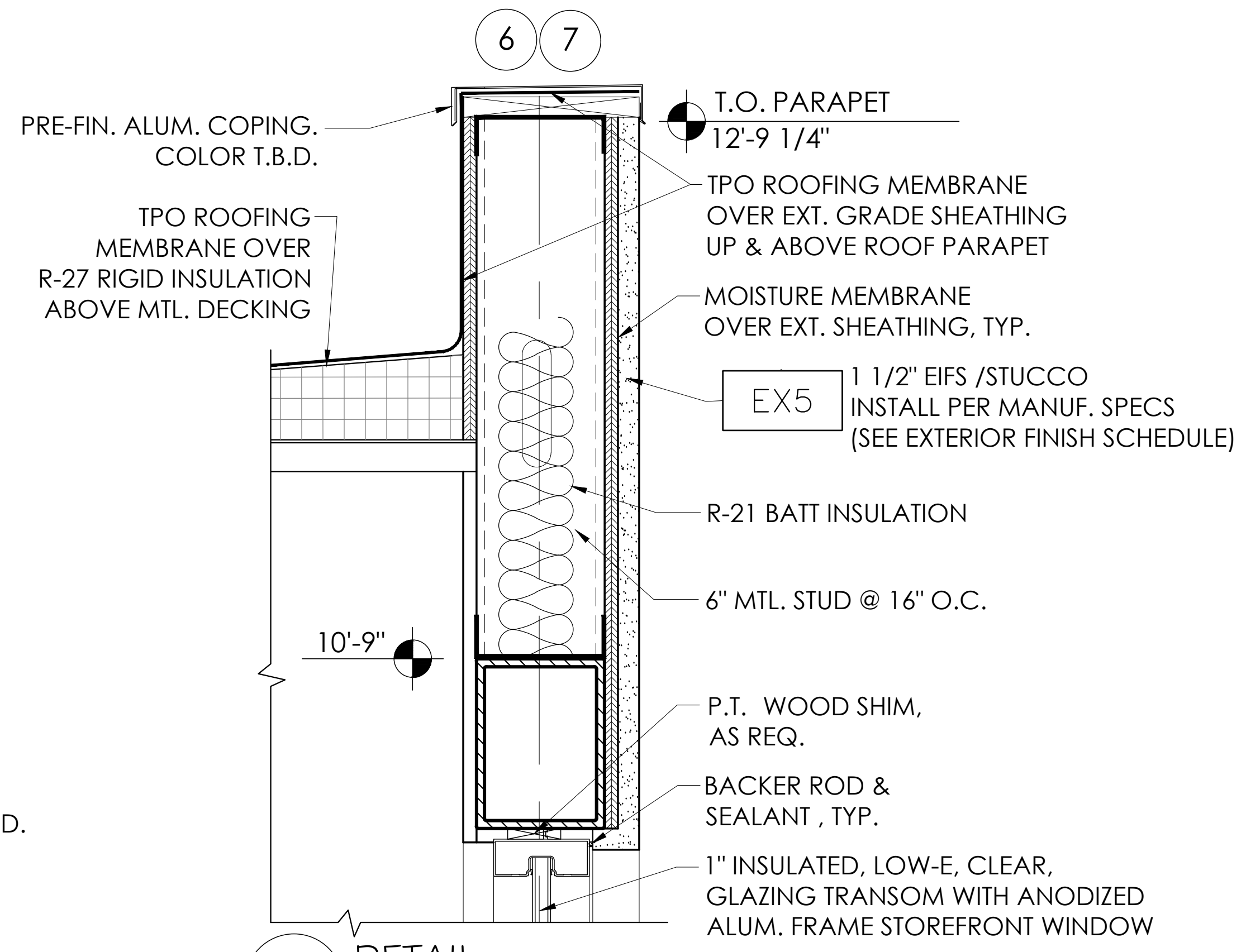
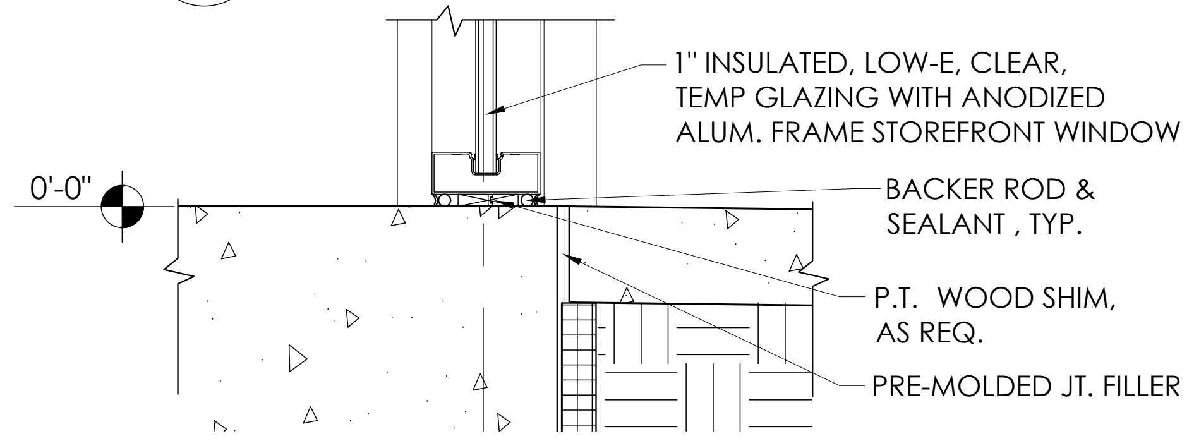


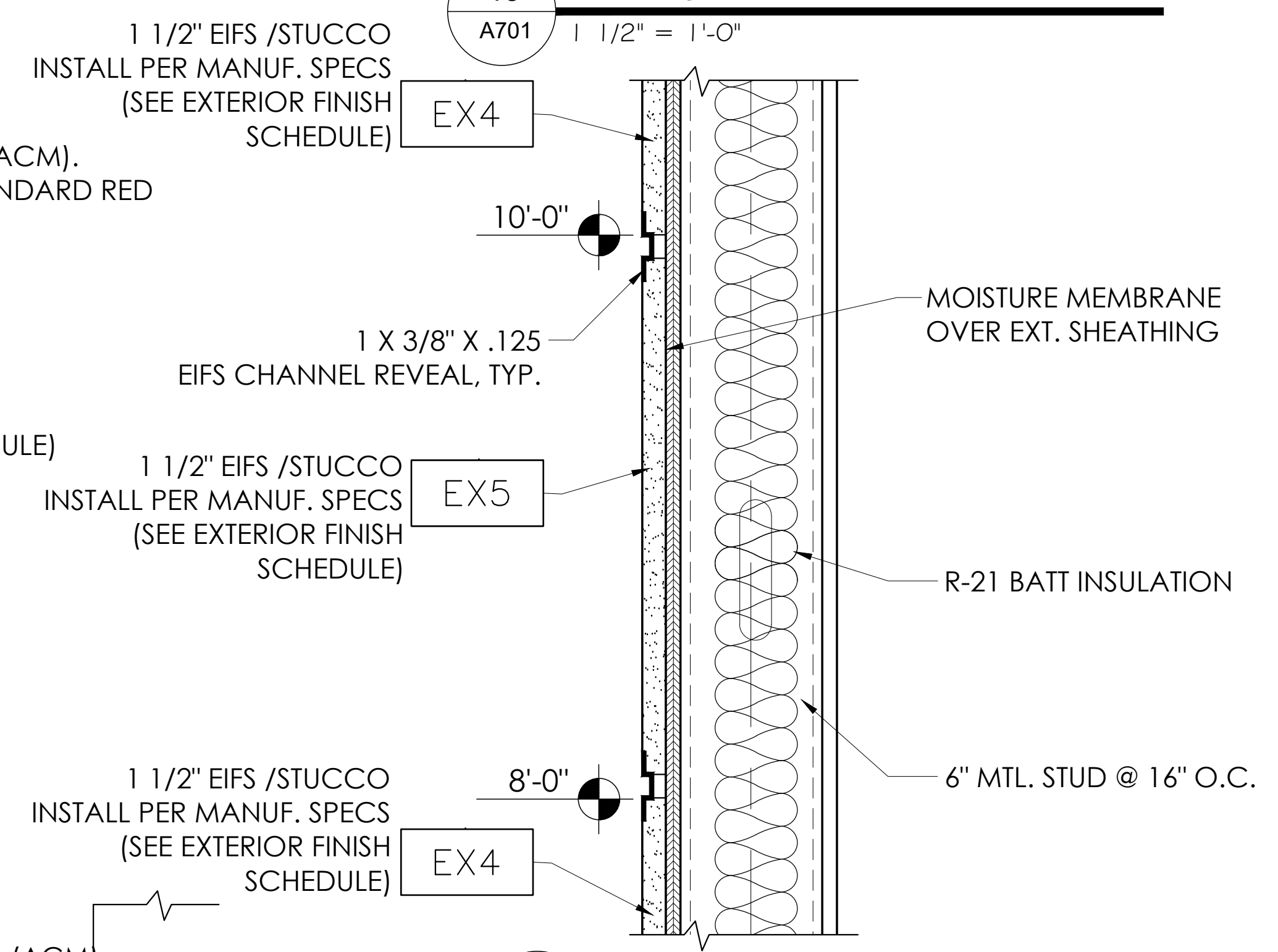
6 DETAIL
A701 1 1/2" = 1'-0"



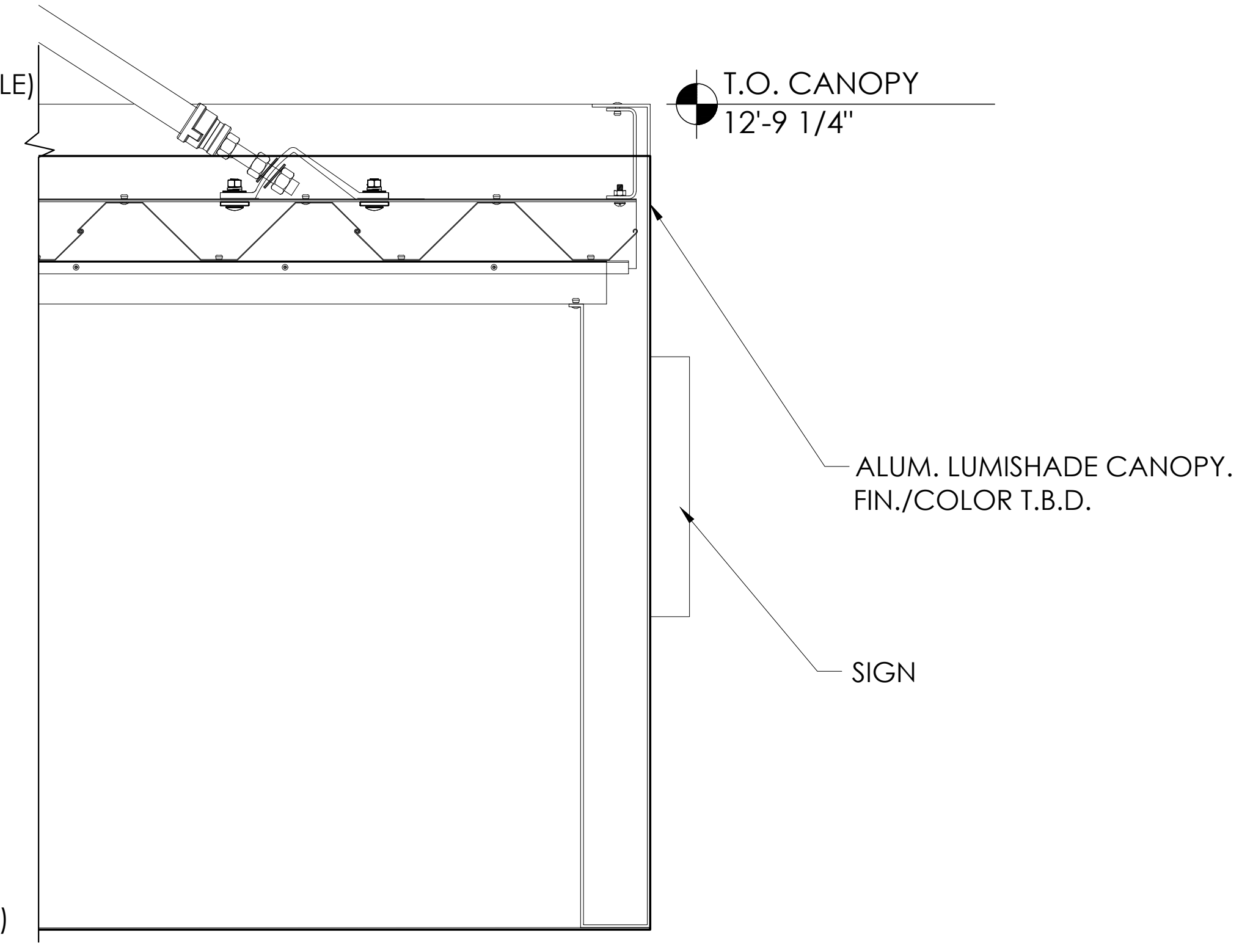
14 DETAIL
A701 1 1/2" = 1'-0"


1" INSULATED, LOW-E, CLEAR,
TEMP GLAZING WITH ANODIZED
ALUM. FRAME STOREFRONT WINDOW
0'-0"
BACKER ROD &
SEALANT , TYP.
P.T. WOOD SHIM,
AS REQ.
PRE-MOLDED JT. FILLER

13 DETAIL
A701 1 1/2" = 1'-0"



12 TYP. DETAIL @ EIFS REVEALS
A701 1 1/2" = 1'-0"



11 DETAIL
A701 1 1/2" = 1'-0"

NOTE:

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THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED -
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:01 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
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CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
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DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
DETAILS

PROJECT NO: 22057

A701

Division 00 - Contracting Requirements

Section 00100 - General Conditions

Except as modified below. "The General Conditions of the Contract for Construction," AIA Standard Form A-201, Latest Edition, is hereby made a part of these specifications to the same extent as if herein written out in full.

Section 00200 - Supplementary Conditions

Owner

Wherever the term "Owner" occurs in the documents, it shall refer to the following:
PER CONTRACT

Contractor

Wherever the term "Contractor" occurs in the documents it shall refer to the General Contractor with whom the Owner enters into a contractual agreement for the construction work described in these drawings and specifications. The Contractor shall coordinate his work and shall cooperate with any other separate contractor (s) employed by the Owner, so as to avoid delays.

Correlation & Intent Of Contract Documents

Prior to a bid submission, the Contractor shall examine the premises and verify existing conditions and dimensions affecting the work under this contract. Minor changes or conditions necessary to fit new work to the existing in accord with the intent of the contract documents, may be made on the job. If major discrepancies are discovered between dimensions or conditions shown in drawings and those actually existing, the Contractor shall report to the Architect, and shall not proceed with the work until the contract documents have been adjusted. Subcontractors to review all drawings and include fixtures and/or connections if they appear on drawings of other trades.

Bids & Form Of Agreement

Lump Sum Bids are required to be considered. Itemized break down of costs on attached form is required before signing the agreement. At the discretion of the Owner, the form of the agreement shall be either AIA document A-101, or AIA document A-107. The Contractor shall prepare the agreement. Provide Subcontractor lists before the contract is executed, Contractor shall furnish to the Owner, a list of all Subcontractor's names, addresses, phone numbers and emergency numbers. The Owner will confirm the use of Subcontractors to confirm the use of their services. Subcontractors cannot be changed unless approved by Owner in writing.

Compliance With Codes & Permits

All work of the Contractor and Subcontractors shall conform to the provisions of all state, city and county building laws, ordinances, rules and regulations. In case of conflict, the most stringent requirement shall apply. Before making any code-related deviations from the drawings and specifications, the Contractor shall give the Architect written notice specifying the proposed deviation, the costs involved, and the reason therefore. A change order shall be issued as specified below. Unless the law specifically requires Owner to do so, the Contractor shall obtain all necessary permits and licenses, give all necessary notices, and pay costs of all incidental fees.

Bonds & Release Of Liens

Prior to signing the agreement, if required by the Owner, the Contractor shall obtain and pay for performance and payment bonds in the amount of 100 percent (100%) of the contract amount. The Contractor shall provide contractors affidavit of payment of debts and claims (AIA document G706) along with consent to final payment (AIA document G707). If acceptable to both the Owner and the surety, the Contractor may provide contractor's affidavit of release of liens (AIA document G706a) in lieu of G706 and G707.

Schedule Of Work

Prior to beginning work, Contractor shall provide a construction schedule bar chart with specified completion date. Contractor shall adhere to this schedule and completion date in accordance with the Owner-Contractor agreement.

Hold Harmless Agreement

The Contractor agrees to indemnify and hold harmless the Owner and the Architect, their agents and employees from and against any and all liability or damage arising from injuries to persons or damage to property occasioned by any act or omission of the Contractor, his sub-contractors, agents, or employees, including any and all expense, legal or otherwise, which may be incurred in the defense of any claim, settlement or suit.

Temporary Utilities

Contractor shall make all temporary utilities connections required by the work, and shall pay all charges for utilities during construction.

Copies Of Drawings

The Contractor will be furnished free of charge the necessary sets of drawings required to obtain a permit. Additionally,the Owner can provide plot files to the printing company of the contractor's choice for additional copies.

Shop Drawings

Prior to ordering equipment or fabricating fixtures, Contractor shall submit to the Owner in triplicate, shop drawings, product data or samples, if required, which reflect dimensions, utility requirements and installation requirements consistent with the drawings.

Substitutions

The use of brand or trade names in describing materials or products is intended to set a minimum standard for those items. Owner must approve any substitutions in writing. If materials or products are specified by manufacture's name, trade name, or catalog reference without using the phrase "or equal", they shall be the basis of the proposal, without substitution, and shall be furnished under the contract unless changes are accepted by mutual agreement in writing. Where two or more brands are named, Contractor shall make a choice. If substitution is purposed the contractor is to itemize the differences between the two products and notify the Owner / Architect of the substitution.

Taxes

Contractor shall assume liability for (1) sales taxes, (2) federal and state unemployment compensation and social security payments, and (3) all other federal or state required payments.

Change Orders

Owner or Contractor may request extra work or changes by altering, adding to, or deducting from the work, the contract sum being adjusted to their mutual satisfaction. Before performing any extra work or changes, the party requesting the extra work or changes must formally present the proposed change order and obtain a signed approval from the other party indicating any added or deducted sums to or from the contract amount.

Claims For Additional Costs Or Time

The Contractor shall give the Owner written notice of any increase in the contract sum or an extension in the contract time before proceeding to execute the work causing the need for claim (except in an emergency endangering life or property). No claim for work of time will be allowed unless approved in writing by the Owner. The price for extras shall be calculated at the Contractor's cost, plus overhead and profit at the same percentage as in the original contract cost breakdown.

Job Safety

The Contractor shall take all necessary precautions for the safety of the employees, and comply with applicable provisions of federal, state, and municipal safety laws to prevent accidents or injury to persons on or adjacent to the premises. Machinery, equipment, and all hazards shall be guarded or eliminated in accordance with the safety provisions of the AGC manual of accident prevention in construction to the extent that such provisions are not contrary to applicable law or requirements or OSHA.

Owner Right To Terminate Contract

Should the Contractor neglect to prosecute the work properly, or fail to perform any provisions of the contract, the Owner, after (3) days written notice to the Contractor, without prejudice to any other remedy it may have, shall make good the deficiencies and may deduct the cost therefore from the payment then of thereafter due the Contractor, or, at its option, may terminate the contract and take possession of all materials, tools and appliances and finish the work by such means as it sees fit, and if the unpaid balance of the contract price exceeds the expense of finishing the work, such excess shall paid to the Contractor, but if such expense exceeds such unpaid balance, the Contractor shall pay the difference to the Owner.

Guarantees

Unless specifically stated otherwise, all materials provided under this contract shall be new and free from defects. The Contractor shall guarantee all work for a period of one (1) year from the date of acceptance by the Owner. Lamps shall be guaranteed for a period of one month from acceptance. Manufacturer's warranties shall extend further as required. The Contractor shall promptly correct all deficiencies that may appear in the work within one year of its completion arising from defective or improper material or workmanship, including all costs in connection with removal or replacement of the work. A manufacturer's warranty on any item shall not relieve the Contractor and/or his sub- contractors from full responsibility under all guarantees called for in the specifications. All warranties or guarantees shall be written to the benefit of the Owner. Original copies of all warranties shall be furnished to the Owner at the end of the job

Survey And Laying Out

A Contractor shall employ a licensed surveyor to lay out and establish lot lines, roof outside line and principal building lines as indicated on the drawings. Contractor shall maintain all grades, lines levels and benchmarks established, and shall assume complete responsibility for the lay out of the work.

Cleaning Up

Premises must always be kept free from waste materials. The Contractor shall remove his tools, scaffolding and debris, and shall leave the premises broom clean. All floors are to be vacuum cleaned and/or mopped as req'd. Contractor shall assemble and transmit to the Owner all maintenance and operation manuals,warranties, and keys, and shall demonstrate to the Owner the usage of equipment.

Payments And Completion

Unless otherwise agreed between the parties, the Owner shall make payments on account of the contract, upon application for payment by the Contractor, as follows:

1. Monthly for ninety percent (90%) of the completed work in place, and for materials suitably stored.
2. Final ten percent (10%) retainage within 30 days of completion of all punch list items.

Owner-Contractor Agreement

In case of conflict with the plans and specs, the terms and conditions of the Owner-Contractor agreement shall govern.

Division 01 - General Requirements

Section 01100 - Summary

A. Work covered by Contract Documents includes the indexed drawings for the project.

B. Division 01 applies to all other sections and divisions of Specifications. All instructions contained in Specifications are directed to Contractor. Unless specifically provided otherwise all obligations set forth in Specifications are obligations of Contractor.

C. Owner may issue separate contracts for performance of certain construction operations at Project site. Contractor will afford other contractors reasonable opportunity to place and store their materials and equipment on site and to perform their work and will properly connect its work with theirs where applicable.

D. Owner may provide furnishings and/or equipment for the Project. Contractor will receive, store and protect such items on site until the date Owner accepts the Project.

E. Dimensions: Verify dimensions indicated on drawings with field dimensions before fabrication or ordering of materials. Do not scale drawings.

F. Existing Conditions: Notify Architect of existing conditions differing from those indicated on drawings. Do not remove or alter structural components without prior written approval.

G. Coordination: Coordinate the work of all trades. Prepare coordination drawings for areas above ceilings where close tolerances are required between building elements and mechanical & electrical work. Verify location of utilities and existing conditions.

H. Installation Requirements, General: Inspect substrates and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions have been corrected. Take field measurements prior to fabrication where practical. Form to required shapes and sizes with true edges, lines and angles. Provide inserts & templates as needed for work of other trades. Install materials in exact accordance with manufacturer's instructions & approved submittals. Install materials in proper relation with adjacent construction and with proper appearance. Restore units damaged during installation. Replace units which cannot be restored at no additional expense to the Owner. Refer to additional installation requirements and tolerances specified under individual specification sections.

I. Limit of Use: Limit use of work as indicated. Keep driveways and entrances clear.

J. Definitions:
1. Provide: Furnish & install, complete with all necessary accessories, ready for intended use. Pay for all related costs.
2. Approved: Acceptance of item submitted for approval. Not a limitation or release for compliance with the Contract Documents or regulatory requirements. Refer to limitations of "Approved' in General and Supplementary Conditions.
3. Match Existing: Match existing as acceptable to the Owner.

K. Intent: Drawings and specifications are intended to provide the basis for proper completion of the work suitable for the intended use of the Owner. Anything not expressly set forth but which is reasonable implied or necessary for proper performance of the project shall be included.

L. Writing Style: Specifications and Notes are written in the imperative mode. Except where specifically intended otherwise, the subject of all imperative statements is the Contractor. For example, 'Provide tile' means 'Contractor shall provide tile.'

Section 01500 - Temporary Facilities & Controls

A. Arrange and pay for temporary utility services, water, heat, lighting as required by Contract Documents, governing agencies or performance of the Work.

B. Provide and maintain temporary sanitary toilet (if required).

C. Contractor is responsible for security of materials, tools and equipment.

D. Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations, and reduce possibility that air, waterways, and subsoil might be contaminated or polluted, or that other undesirable effects might result. Avoid use of tools and equipment that produce harmful noise. Restrict use of noise making tools and equipment to hours that will minimize complaints from persons or firms near site. Protect work, materials,apparatus & fixtures from injury due to weather, theft and vandalism. Do not use Owner's facilities without written approval from Owner for use specific list of facilities.

E. Permanent mechanical system may be operated except when work causing air-borne dust is occurring or when dust caused by such work is present. Under those conditions, install a temporary filtering system adequate to protect mechanical equipment and ducts.

Section 01600 - Product Requirements

A. Provide products that comply with Contract Documents, that are undamaged, and unless otherwise specified, new and unused at time of installation. Provide products complete with accessories, trim, finish, safety guards, and other devices & details needed for complete installation and for intended use and effect.

B. Install items furnished by Owner or receive and store in safe condition items purchased directly by Owner according to requirements of Contract Documents.

C. Refer to Supplementary Conditions for Substitution requirements.

D. All "or equal" substitutions considered by the General Contractor and the Subcontractors must be submitted in shop drawing form for review by the Architect and the owner. Until approval is granted the General Contractor must price this project per specified manufacturer materials. Products submitted for substitution shall be submitted with complete documentation, and include construction costs of substitution including related work.

Section 01700 - Execution Requirements

A. Design, furnish, and install all shoring, bracing, and sheathing as required for safety & for proper execution of the Work and, unless otherwise required, remove same when the Work is completed.

B. Require installers to inspect both substrate and conditions under which Work is to be done. Do not allow installers to proceed until unsatisfactory conditions have been corrected.

C. Provide attachment and connection devices and methods necessary for securing work. Secure work true to line and level. Allow for expansion and building movement.

D. Recheck measurements and dimensions before starting each installation.

E. Where mounting heights are not shown, install individual components at standard mounting heights recognized within the industry or local codes for that application.

F. Completion Inspection:
1. When required Occupancy Permit is issued and facility is ready for its intended use, & when requested by the owner, Contractor will request a Substantial Completion Inspection and provide a list of work not yet completed.
2. If requested by Owner, the Architect may conduct a Substantial Completion Inspection and furnish list of items to the Contractor that require correction or replacement.
3. At Substantial Completion Inspection: a. Owner and Contractor will agree on a date for final completion of the Work, and an amount to be retained for completion work. b. Contractor will provide all permits, guarantees and/or warranties, one set of record drawings to indicate As-built work, and operations and maintenance manuals required.
4. Contractor will notify Owner / Architect when items have been corrected or replaced.

Section 01730 - Cutting & Patching

A. Cutting and Patching: Provide cutting and patching work to properly complete the work of the project, complying with project requirements for: Structural work, Mechanical/electrical systems, Visual requirements, including detailing and tolerances, Operational and safety limitations, Fire resistance ratings, inspection, preparation, performance and cleaning.

B. Means and Methods: Do not cut and patch in a manner that would result in a failure of the work to perform as intended, decrease energy performance, increase maintenance, decrease operational life, or decrease safety performance, or diminish the intended aesthetics.

C. Inspection: Inspect conditions prior to work to identify scope and type of work required. Protect adjacent work.

D. Performance of Operations: Perform work with workmen skilled in the trades involved. Prepare sample area of each type of work for approval, if required.

E. Cutting: Use cutting tools, not chopping tools. Make neat holes. Minimize damage to adjacent work. Inspect for concealed utilities & structure before cutting.

F. Patching: Make patches, seams, and joints durable and inconspicuous. Comply with tolerances for new work.

G. Cleaning: Clean work area and areas affected by cutting and patching operations.

Division 02 - Site Construction

REFER TO CIVIL SHEETS

Division 03 - Concrete

REFER TO STRUCTURAL SHEETS

Division 04 - Masonry

REFER TO STRUCTURAL SHEETS

Section 04805 - Mortar

1. Provide all labor, materials and equipment necessary and required to furnish all mortar and grout as shown on the drawings and specified herein:

2. Quality assurance shall be as according to the following standards:
   A. ASTM C144, Aggregate for masonry mortar.
   B. ASTM C207, Hydrated lime for masonry purposes.
   C. ASTM C150, Portland cement.
   D. ASTM C270, Mortar for unit masonry.
   E. ASTM A476, Mortar and grout for reinforced masonry.
   F. ASTM C404, Aggregate for grout.

3. Manufacturer shall certify that materials meet project specifications. Compliance with all other requirements is the exclusive responsibility of the contractor.

4. Environmental requirements:
   A. Heat mixing water when temperature is below 40 F & heat aggregate when temp. is below 32 F to assure mortar temperatures between 40 F and 120 F until used.
   B. Produce subsequent mortar batches within plus or minus 10 F of first batch. do not heat water of sand above 120 F.

5. Portland cement: Natural color, Type II conforming to ASTM C150.

6. Portland cement, white: Type I, conforming to ASTM C150, non-staining, white.

7. Hydrated lime: Type S conforming to ASTM C207.

8. Aggregates for mortar: Natural, clean sand conforming to ASTM C144.

9. Aggregate for grout: ASTM C404.

Section 04811 - Brick Masonry

GENERAL PROVISIONS

1. Scope: furnish and install labor, materials, and equipment necessary to complete masonry work as shown on drawings & elevations.

2. Notes:
   No masonry work shall be done when the temperature is 40 deg f or below & falling or freezing temperatures are predicted within twenty four (24) hours, unless adequate protection is provided.

3. Submissions: Use face brick as indicated on the drawings.

MATERIALS

4. Brick:
   a. Face brick shall conform to ASTM specification C-216. Brick shall be standard size (2 1/2" x 7 5/8" x 3 5/8"), uniform in size, shape, and color. Brick texture and thru-body color as indicated on the drawings.
   b. Building brick shall conform to ASTM specification C62. Use grade SW for foundations, work below grade, and work in contact with earth. Use grade MW for walls above grade. Brick shall be standard size (2 1/2" x 7 5/8" x 3 5/8"), uniform in size and shape. Use building brick for work not exposed to view.

5. Joint reinforcement and anchors:
   a. Bearing walls: Masonry joint reinforcement for exterior walls shall be sized for appropriate wall thickness to provide 5/8" minimum mortar coverage on the faces of masonry cavity walls and composition of 3/16" deformed side rods and 3/16" cross rods. All reinforcement shall be hot dip galvanized. Products shall be as manufactured by Hohmann & Barnard INC., AA wire products, or equal.
   b. Veneer walls with metal studs: Hot dipped galvanized metal anchor plate and wall tie Hohmann & Barnard, DW-10 HS triangular mtl. wall ties (or equal) @ 16" O.C. vert. & at horiz. stud spacing, 14 GA. Attach to studs with (2) 10 - 16 x1-1/2" screws. Hohmann & Barnard, INC. 1 (800) 635-0616.

6. Brick mortar: Type N, conforming to ASTM C-270, See drawings for color. Use uncolored mortar for concealed back-up materials.
   a. Cement: Shall be standard brand of gray portland, conforming to ASTM C-150, Type I or II.
   b. Sand: Shall be clean, sharp builders sand conforming to ASTM C-144.
   c. Lime: Shall be calcium, Type S, conforming ASTM C-207.
   d. Water: Shall be potable, free from injurious alkalies or acids, conforming to ASTM C-270.
   e. Plasticizing agent: Shall be omicron, or approved equal, used in accordance with manufacturer's instructions.
   f. Substitution: Prepared mix shall conform to the lime-cement mortar and colors as specified above.

PERFORMANCE

7. All masonry:
   a. Cutting to fit electrical outlets, switches, panels other devices or special conditions shall be done with a masonry saw.
   b. Protection: All material and walls shall be covered and protected against weather during construction.
   c. Bond: Shall be common bond unless otherwise indicated.
   d. Joints: Shall be tooled to form a tight-tooled concave joint.
   e. Weeps: Place wicks in weeps at 24" on center maximum at the ground level course of all brick walls.

8. Joint reinforcement:
   a. Bearing walls: Shall be installed continuously in horizontal courses at 16" o.c. vertically. The top two (2) courses above the rear door shall be reinforced and extend 24" beyond the opening. lap splices a minimum of 6" for continuity.

9. Mortar: Mortar shall be mixed and used in accordance with applicable codes and the dictates of good practice. Color as indicated on the drawings.

10. Built-in work: Built-in work specified under other divisions of the specifications as the work progresses.

11. Thru wall flashing: Install where shown on drawings, pan all corners. Where joints are necessary, lap flashing 3" and cement with high grade asphaltic cement.

12. General execution:
    a. Lay only dry masonry units. Use masonry saws to cut and fit masonry units. lay in running bond with vertical joints located at center of masonry units in alternate course below. Set units plumb, true to line and with level courses accurately spaced.
    Adjust masonry unit to final position while mortar is soft and plastic. When units are displaced after mortar has stiffened, remove, clean joints and units of mortar and relay with fresh mortar. Adjust shelf angles to keep masonry level and at proper elevation.
    a. Provide pressure-relieving joints by placing a continuous 1/8" foam neoprene pad under the shelf angle and seal joint with sealant specified in section 07920.
    b. When joining fresh masonry to set or partially set masonry construction, clean exposed surface of set masonry and remove loose mortar prior to laying fresh masonry.
    c. When necessary to stop off a horizontal run of masonry, rack back one-half block length in each course.
    d. Do not use tooling to join new masonry to set or partially set masonry when continuing a horizontal run.

13. Lay with full mortar coverage on horizontal and vertical face shells and webs in all courses of following:
    a. Solid units: lay with full mortar (type n) coverage on horizontal and vertical joints.

14. Horiz. and Vert. face joints: Nominal thickness: 3/8". Construct uniform joints. Shove vertical joints tight. Strike joints flush in surfaces to be covered with other masonry, or other surface applied finish other than paint. Paint joints tight in unparged masonry below ground. Tool joints in exposed or to be painted surfaces when thumb print hard with concave jointer. Remove mortar protruding into cells of cavities to be reinforced or filled. Fill horizontal joints with mortar between top of masonry partitions and underside of slabs or beams.

15. Avoid cutting and patching as much as possible. install bolts. Anchors, nailing blocks, inserts, access panels, frames, vents, flashings, conduit and other built-in items as masonry work progresses. Solidly grout spaces around built-in items. Provide outside joint around exterior door and window frames and other framed wall openings:
    a. Width: 1/4" to 3/8"
    b. Rake and tool smooth to a uniform depth equal to width.

16. Provide vertical expansion and control joints in exterior masonry where shown or required. build-in related masonry accessory items as the masonry work progresses.
    a. If location of control joints is not shown, place vertical joints spaced not to exceed 30' o.c.

17. At final completion of unit masonry work fill holes in joints and tool. Do not fill weep holes. cut out and repoint defective joints. Dry brush masonry surface after mortar has set. At end of each day's work and after final pointing, Leave work and surrounding surfaces clean and free of mortar spots and droppings.

Section 04814 - Brick Masonry Accessory

A. Weep Vent Description: Use Cell vent type. Acceptable manufacturers are #QV Quadro Vent, or #3601 Cell Vent by Masonry Reinf. Corp. of America, or equal as proposed by contractor.

B. Place weep vents in head joints at exterior wythe of cavity wall located immediately above ledges and flashing, spaced 24 inches on center, unless otherwise shown. Leave the side of the masonry units forming the vent space unbuttered and clear of mortar. Slide vent material into joint as the two masonry units forming the weep vent are placed.

Division 05 - Metals

Section 05130 - Miscellaneous Metal

1. Provide all labor, materials and equipment necessary & required to complete all miscellaneous metal work as shown on the drawings and specified herein.

2. Prepare shop drawings covering all work which requires fabrication. submit drawings & cuts of manufactured articles at earliest possible date to insure timely deliveries. Furnish information to other trades to permit proper installation of inserts, anchors, hangers, etc., required for erection of miscellaneous metal items.

REFER TO STRUCTURAL SHEETS

3. Steel: conforming to ASTM specification A36 for structural steel and A27 for cast iron. Architectural & miscellaneous steel not indicated or specified shall be mild steel.

4. Aluminum: Aluminum extrusions: ASTM B221, alloy 6063- T52, with sections not less than 0.081" thick, of the sizes and profiles shown. Alum. sheet: ASTM B209, alloy 3003 or 5005.

5. Steel lintels: Provide galvanized loose steel lintels over openings, where shown, as detailed. Weld adjoining members together to form a single unit unless otherwise shown. Lintels shall have 8" minimum bearing at each end on masonry. Lintels shall be complete with anchors, etc., as required, for securing to construction.

6. supports above ceiling: Provide supports above ceilings for the following items & other items where shown, complete with all accessories & appurtenances required for installations indicated and as detailed.

7. Paint: Apply one shop coat of red iron oxide or zinc chromate-silicate primer to all steel surfaces except machined surfaces, surfaces in contact with concrete. Members totally encased in concrete and edges or surfaces adjacent to field welds. Surfaces must be dry before painting.

8. Miscellaneous metal items: Furnish and install all steel angles, channels, plates, anchors & other miscellaneous steel items or assemblies as indicated on the drawingsor required for installation of other items. Provide all shims required for alignment.

9. Before fabricating items specified in this section, field measurements shall be required to insure proper installation.

Section 05700 - Ornamental Metal

A. Awnings, See Exterior Elevations. Provide alloy and temper recommended by aluminum producer and finisher, with recommended strength & durability properties.

B. Form decorative metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

C. Mill joints to a tight, hairline fit. Cope or miter corner joints. Fabricate connections that will be exposed to weather in a manner to protect from water intrusion.

D. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

E. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

F. Provide anchorage devices and fasteners where needed to secure decorative metal to in-place construction.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

MRP
DESIGN GROUP

3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
SPECIFICATIONS

PROJECT NO: 22057

A800

G. Set products accurately in location, alignment, and elevation, measured from established lines and levels.

H. Fit exposed connections accurately together to form tight, hairline joints or, where indicated, uniform reveals and spaces for sealants and joint fillers.

I. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required.

J. Install concealed gaskets, joint fillers, insulation, and flashings as work progresses.

K. Restore protective coverings damaged during shipment or installation. Remove protective coverings only when there is no possibility of damage from other work.

L. Corrosion Protection: Coat concealed surfaces of aluminum that will be in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

Division 06 - Wood & Plastics

Section 06100 - Rough Carpentry

A. Comply with governing codes & regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for 3 years. Use experienced installers. Deliver, handle, & store materials in accordance with manufacturer's instructions.

B. Lumber Standards and Grade Stamps: DOC PS 20, American Softwood Lumber Standard and inspection agency grade stamps.

C. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated.

D. Plywood: Comply with applicable recommendations contained in APA Form No. E30K, "APA Design/Construction Guide: Residential & Commercial"

E. Provide nailers, blocking and grounds where required. Set work plumb, level and accurately cut.

F. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with other work.

G. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.

H. Restore damaged components. Protect work from damage.

I. Wood furring, sheathing and blocking for built-in casework; minimum 5/8-inch thick.

J. Clear Finished Hardwood: Match materials specified in Section 06400.

Section 06160 - Sheathing

A. Wall Sheathing (Exterior): - Glass-Mat Gypsum Wall Sheathing: ASTM C 1177/1177M. as indicated on drawings. Basis of Design product : Densglass Gold by GA Pacific.

B Wall Sheathing (Interior): - Cementitious Backer Units: ASTM C 1325, Type A. as indicated on drawings.

C. General: Provide fasteners of size and type indicated that comply with manufacturer's recommended installation procedures.

D. Sealant for Glass-Mat Gypsum Sheathing: Silicone emulsion sealant complying with ASTM C 834, compatible with sheathing tape and sheathing and as recommended by tape and sheathing manufacturers for use with glass-fiber sheathing tape and for covering exposed fasteners.

E. Sheathing Tape: Self-adhering glass-fiber tape, minimum 2 inches wide, 10 by 10 or 10 by 20 threads/inch , of type recommended by sheathing and tape manufacturers for use with silicone emulsion sealant in sealing joints in glass-mat gypsum sheathing and with a history of successful in-service use.

F. Building Insulation Wrap: Basis of Design product : "Tyvek" by Dupont. Install per manufacturer's recommendations.

F. Do not use materials with defects that impair quality of sheathing or pieces that are too small to use with minimum number of joints or optimum joint arrangement. Arrange joints so that pieces do not span between fewer than three support members.

G. Cut panels at penetrations, edges, and other obstructions of work; fit tightly against abutting construction unless otherwise indicated.

H. Coordinate wall sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed assembly.

I. Do not bridge building expansion joints; cut and space edges of panels to match spacing of structural support elements.

Section 06400 - Architectural Woodwork

A. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards." Minimum Quality Standard: CUSTOM GRADE.

B. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

C. Wood Species and Cut for Transparent Finish: As indicated on drawings.

D. Thermoset Decorative Panels: Particleboard or medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper complying with LMA SAT-1.

E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard.

F. Solid-Surfacing Material: Homogeneous solid sheets of filled plastic resin complying with ISSFA-2.

G. Fire-Retardant-Treated Lumber and Plywood: Comply with performance requirements of AWPA C20 (lumber) & AWPA C27 (plywood). Use Exterior Type or Interior Type A. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Kiln-dry material after treatment.

H. Refer to drawings for finishes, material and hardware. Exposed Hardware Finishes: Provide finish that complies with BHMA A156.18 for BHMA finish number indicated.

I. Wood and Plastic-Laminate Cabinets: AWI Type of Cabinet Construction as indicated.

J. Plastic-Laminate Countertops: High-Pressure Decorative Laminate Grade: HGS. Colors, Patterns, and Finishes: As indicated on finish schedule. Edge Treatment: Same as laminate cladding on horizontal surfaces. Core Material at Sinks: Particleboard made with exterior glue or exterior-grade plywood.

K. Solid-Surfacing-Material Countertops: Solid-Surfacing-Material Thickness: 3/4 inch. Colors, & Finishes: As indicated on dwgs. Fabricate tops in one piece with loose backsplashes for field application. Comply with solid-surfacing material manufacturer's written recommendations for adhesives, sealers, fabrication,and finishing.

L. Install woodwork, including wood frames, level, plumb, true, and straight to a tolerance of 1/8 inch in 96 inches. Shim as required with concealed shims.

M. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

N. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners & blind nailing as required for complete installation. Use fine finishing nails & screws for exposed fastening, countersunk and filled flush with woodwork & matching final finish if transparent finish is indicated.

O. Standing and Running Trim: Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible. Fill gaps, if any, between top of base and wall with plastic wood filler, sand smooth, and finish as indicated on drawings.

P. Wood Panels: Book and balance match face veneers within panels. No matching is required between adjacent panels; select and arrange panels for similarity of grain pattern and color between adjacent panels.

Q. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.

R. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop. Caulk space between backsplash and wall with sealant specified in Division 7 Section "Joint Sealants."

Section 06640 - Plastic Paneling

A. Gelcoat-finished, glass-fiber reinforced plastic panels complying with ASTM D 5319.

B. Trim Accessories: Manufacturer's standard one-piece vinyl extrusions designed to retain and cover edges of panels. Provide division bars, inside corners, outside corners, and caps as needed to conceal edges.

C. Adhesive: As recommended by plastic paneling manufacturer.

D. Clean substrates of substances that could impair bond of adhesive, including oil, grease, dirt, and dust.

E. Condition panels by unpacking and placing in installation space before installation according to manufacturer's written recommendations.

F. Lay out paneling before installing. Locate panel joints to provide equal panels at ends of walls not less than half the width of full panels.

G. Install plastic paneling according to manufacturer's written instructions.

H. Install panels in a full spread of adhesive.

I. Fill grooves in trim accessories with sealant before installing panels and bed inside corner trim in a bead of sealant.

J. Maintain uniform space between panels and wall fixtures. Fill space with sealant.

K. Remove excess sealant and smears as paneling is installed. Clean with solvent recommended by sealant manufacturer and then wipe with clean dry cloths until no residue remains.

Division 07 - Thermal & Moisture Protection

Section 07116 - Below Grade Vapor Retarder

A. Vapor Retarder: Conform to requirements of ASTM E 1745, Class A minimum with a lowdensity polyethylene membrane. Refer to drawings.

B. Seam Tape: As recommended by Membrane Manufacturer for continuous taping of seams and sealing of penetration boots.

C. Penetration Boots at Utility Penetrations: Factory fabricated pipeboots. and Field fabricated from same material as vapor retarder membrane.

D. Install per manufacturer's written instructions and in accordance with ASTM E 1643, except where Contract Documents indicate otherwise.

Section 07210 - Building Insulation

A. Provide thermal insulation as indicated on drawings.

B. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

C. Order insulation by 'R' factor rather than 'U' factor, rating, or thickness, either 16 or 24 inches 400 or 600 mm wide according to framing spacing. 'R' Factor Required: As indicated on the drawings.

D. Provide mineral fiber building insulation per ASTM-C-168 and ASTM-E-84 for surface-burning characteristics.

E. Install materials and systems in accordance with applicable codes and manufacturer's instructions and approved submittals. Install materials & systems in proper relation with adjacent construction. Coordinate with work of other sections. Provide full thickness in one layer over entire area, tightly fitting around penetrations.

F. Do not cover recessed light fixtures with insulation. Cut out insulation to provide 6 inch minimum clearance around recessed lighting fixtures.

Section 07461 - Fiber Cement Siding

A. James Hardie Building Products, Inc.; siding panels and building boards. This section is based on the products of James Hardie Building Products, Inc., which is located at: 26300 La Alameda Suite 400 Mission Viejo, CA 92691 Toll Free Tel: 866-274-3464 Tel: 949-367-4980 Fax: 949-367-4981.

B. Fiber cement lap siding, panels, shingle, trim, fascia, moulding and accessories; James Hardie HZ10 Engineered for Climate Siding.

C. Installer Qualifications: Minimum of 2 years experience with installation of similar products.

D. Store products in manufacturer's unopened packaging until ready for installation. Store siding on edge or lay flat on a smooth level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

E. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

F. Product Warranty: Limited, non-pro-rated product warranty.HardiePlank HZ10 lap siding for 30 years. HardiPanel HZ10 vertical siding for 30 years.

Product Warranty: Limited, product warranty. HardieTrim HZ and HZ10 boards for 15 years.

G. Workmanship Warranty: Application limited warranty for 2 years.

H. Acceptable Manufacturer: James Hardie Building Products, Inc., which is located at: 26300 La Alameda Suite 400 ; Mission Viejo, CA 92691; Toll Free Tel: 866-274-3464; Tel: 949-367-4980; Fax: 949-367-4981. Requests for approval of equal substitutions will be considered.

I. HardiePlank HZ10 lap siding and HardiPanel HZ10 vertical siding requirement for Materials: 1. Fiber-cement Siding - complies with ASTM C 1186 Type A Grade II., 2. Fiber-cement Siding - complies with ASTM E 136 as a noncombustible material., 3. Fiber-cement Siding - complies with ÅSTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5., 4. CAL-FIRE, Fire Engineering Division Building Materials Listing - Wildland Urban Interface (WUI) Listed Product., 5. National Evaluation Report No. NER 405 (BOCA, ICBO, SBCCI, IBC, IRC)., 6. City of Los Angeles, Research Report No. 24862., 7. Miami Dade County, Florida Notice of Acceptance 07-0418.04., 8. US Department of Housing and Urban Development Materials Release 1263d., 9. California DSA PA-019., 10. City of New York M EA 223-93-M., 11. Florida State Product Approval FL889., 12. Texas Department of Insurance Product Evaluation EC-23.

J. Lap Siding: HardiePlank HZ10 Lap siding with a sloped top, beveled drip edge and nailing line as manufactured by James Hardie Building Products, Inc. Type: Smooth 7-1/4 inches (184 mm) with 6 inches (152 mm) exposure.

K. Vertical Siding: HardiePanel HZ10 siding as manufactured by James Hardie Building Products, Inc. Type: Smooth Vertical siding panel 4 feet by 8 feet (1219 mm by 2438 mm).

L. Trim: HardieTrim HZ10 boards and HardieTrim HZ boards as manufactured by James Hardie Building Products, Inc. HardieTrim HZ10 Fascia boards as manufactured by James Hardie Building Products, Inc.

M. Fasteners: Refer to applicable building code compliance reports for maximum basic wind speed for exposure category and/or applicable shear values and select one fastener. When fastening through maximum 1 inch thick foam insulation, increase the length of the fastener by the thickness of insulation.

Wood Framing Fasteners:

1. Wood Framing: 4d common corrosion resistant nails.
2. Wood Framing: 6d common corrosion resistant nails.
3. Wood Framing: 8d box ring common corrosion resistant nails.
4. Wood Framing: 0.089 inch (2.2 mm) shank by 0.221 inch (5.6 mm) head by 2 inches (51 mm) corrosion resistant siding nails.
5. Wood Framing: 0.093 inch (2.4 mm) shank by 0.222 inch (5.6 mm) head by 2 inches (51 mm) corrosion resistant siding nails.
6. Wood Framing: 0.093 inch (2.4 mm) shank by 0.222 inch (5.6 mm) head by 2-1/2 inches (64 mm) corrosion resistant siding nails.
7. Wood Framing: 0.091 inch (2.3 mm) shank by 0.221 inch (5.6 mm) head by 1-1/2 inches (38 mm) corrosion resistant siding nails.
8. Wood Framing: 0.091 inch (2.3 mm) shank by 0.225 inch (5.7 mm) head by 1-1/2 inches (38 mm) corrosion resistant siding nails.
9. Wood Framing: 0.121 inch (3 mm) shank by 0.371 inch (9.4 mm) head by 1-1/4 inches (32 mm) corrosion resistant roofing nails.
10. Wood Framing: No. 11 gauge 1-1/4 inches (32 mm) corrosion resistant roofing nails.
11. Wood Framing: No. 11 gauge 1-1/2 inches (38 mm) corrosion resistant roofing nails.
12. Wood Framing: No. 11 gauge 1-3/4 inches (44 mm) corrosion resistant roofing nails.

Metal Framing:

1. Metal Framing: 1-1/4 inches (32 mm) No. 8-18 by 0.375 inch (9.5 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
2. Metal Framing: 1-5/8 inches (41 mm) No. 8-18 by 0.323 inch (8.2 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
3. Metal Framing: 1 inch (25 mm) No. 8-18 by 0.323 inch (8.2 mm) head self-drilling, corrosion resistant ribbed buglehead screws.
4. Metal Framing: 1 inch (25 mm) No. 8-18 by 0.311 inch (7.9 mm) head self-drilling, corrosion resistant S-12 ribbed buglehead screws.
5. Metal Framing: 1.5 inch (38mm) [AGS-100] .100 inches by 25 inches (2540 mm by 635 mm) ET&F Pin or equivalent pneumatic fastener.

N. Finishes: Factory Primer: Provide factory applied universal primer. Primer: Factory primed by James Hardie. Topcoat: Refer Section 09910 and Exterior Finish Schedule.

O. Examination: Do not begin installation until substrates have been properly prepared.

Wood framing provisions. Nominal 2 inch by 4 inch (51 m by 102 mm) wood framing selected for minimal shrinkage and complying with local building codes, including the use of water-resistive barriers or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true, of uniform dimensions and properly aligned. 1. Install water-resistive barriers and claddings to dry surfaces. 2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding. 3. Protect siding from other trades.

Metal framing provisions. Minimum 20 gauge 3-5/8 inch (92 mm) C-Stud 16 inches maximum on center or 16 gauge 3-5/8 inches (92 mm) C-Stud 24 inches (610 mm) maximum on center metal framing complying with local building codes, including the use of water-resistive barriers and/or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true, of uniform dimensions and properly aligned. 1. Install water-resistive barriers and claddings to dry surfaces. 2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding. 3. Protect siding from other trades.

P. Preparation: Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions. Install a water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. Install Engineered for ClimateTM HardieWrapTM weather barrier in accordance with local building code requirements. Use HardieWrapTM Seam Tape and joint and laps. Install HardieWrapTM flashing, and HardieWrapTM Flex Flashing.

Q. Installation: HARDIEPLANK HZ10 LAP SIDING

Install materials in strict accordance with manufacturer's installation instructions. Starting: Install a minimum 1/4 inch (6 mm) thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1-1/4 inches (32 mm) wide laps at the top. The bottom edge of the first plank overlaps the starter strip. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions. Align vertical joints of the planks over framing members. Maintain clearance between siding and adjacent finished grade. Locate splices at least one stud cavity away from window and door openings. Wind Resistance: Where a specified level of wind resistance is required Hardieplank lap siding is installed to framing members and secured with fasteners described in Table No. 2 in National Evaluation Service Report No. NER-405. Locate splices at least 12 inches (305 mm) away from window and door openings.

Installation: HARDIEPANEL HZ10 VERTICAL SIDING

Install materials in strict accordance with manufacturer's installation instructions. Block framing between studs where HardiePanel siding horizontal joints occur. Install metal Z flashing and provide a 1/4 inch (6 mm) gap at horizontal panel joints. Place fasteners no closer than 3/8 inch (9.5 mm) from panel edges and 2 inches (51 mm) from panel corners. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions. Maintain clearance between siding and adjacent finished grade. Specific framing and fastener requirements refer to Tables 2 and 3 in National

Section 07542 - Polyvinyl-Chloride (PVC) Roofing

A. Section Includes mechanically fastened PVC membrane roofing system.

B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by membrane roofing system manufacturer to install manufacturer's product.

C. Source Limitations: Obtain components including roof insulation and fasteners for membrane roofing system from same manufacturer as membrane roofing.

D. Exterior Fire-Test Exposure: ASTM E 108, Class A: for application and roof slopes indicated, as determined by testing identical membrane roofing materials by a qualified testing agency. Materials shall be identified with appropriate markings of applicable testing agency.

E. Special Warranty: Manufacturer's standard or customized form, without monetary limitation, in which manufacturer agrees to repair or replace components of membrane roofing system that fail in materials or workmanship within specified warranty period. Warranty Period: 10 years (15 years alternate) from date of Substantial Completion.

F. Basis of Design Product: PVC Sheet - ASTM D 4434, Type III & IV, fabric reinforced. Subject to compliance with requirements, provide products by Duro-Last Roofing, Inc. Thickness: as indicated on drawings. Exposed Face Color: as indicated on drawings.

G. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, and color as PVC sheet membrane.

H. Bonding Adhesive: Manufacturer's standard.

I. Slip Sheet: Manufacturer's standard, of thickness required for application.

J. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.

K. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc coated steel sheet, approximately 1 inch wide by 0.05 inch thick , prepunched.

L. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening membrane to substrate, and acceptable to membrane roofing system manufacturer.

M. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

N. Isocyanurate Insulation: As indicated on drawings, with factory-applied facings.

O. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

P. Insulation Adhesive: Insulation manufacturer's recommended cold-applied adhesive formulated to attach roof insulation to substrate or to another insulation layer.

Q. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface - textured walkway pads, acceptable to roofing system manuf. per drawings.

R. Install substrate board with long joints in continuous straight lines, perpendicular to roof slopes with end joints staggered between rows. Tightly butt substrate boards together. Fasten substrate board to top flanges of steel deck to resist uplift pressure at corners, perimeter, and field of roof according to membrane roofing system manufacturers' written instructions.

S. Comply with membrane roofing system and insulation manufacturer's written instructions for installing roof insulation.

T. Flexible Walkways: Install walkway products in locations indicated. Heat weld to substrate walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

U. Final Roof Inspection: If requested by owner, arrange for final roofing system inspection with Owner / Architect / Contractor upon completion.

V. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.

Section 07620 - Sheet Metal Flashing & Trim

A. Sheet Metal Flashing and Trim Standard: Comply with SMACNA's "Architectural Sheet Metal Manual" unless more stringent requirements are specified or shown on Drawings.

B. Special Warranty on Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within 20 years from date of Substantial Completion.

C. General: Protect mechanical and other finishes on exposed surfaces from damage by applying a strippable, temporary protective film before shipping.

D. Aluminum Sheet: ASTM B 209, alloy as standard with manufacturer for finish required,with temper as required to suit forming operations and performance required.

E. Stainless-Steel Sheet: ASTM A 240/A 240M or ASTM A 666, Type 304, dead soft, fully annealed; 2D (dull, cold rolled) finish.

F. Metallic-Coated Steel Sheet: Restricted flatness steel sheet, metallic coated by the hot-dip process and prepainted by the coil-coating process to comply with ASTM A 755/A 755M.

G. Provide materials and types of fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and recommended by manufacturer of primary sheet metal or manufactured item unless otherwise indicated.

H. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal or manufactured item.

I. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.

J. Elastomeric Sealant: ASTM C 920, elastomeric polymer sealant; low modulus; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.

K. Epoxy Seam Sealer: Two-part, noncorrosive, aluminum seam-cementing compound, recommended by aluminum manufacturer for exterior nonmoving joints, including riveted joints.

L. General: Custom fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, geometry, metal thickness, and other characteristics of item indicated. Fabricate items at the shop to greatest extent possible.

M. Hanging Gutters: Fabricate to cross section indicated, complete with end pieces, outlet tubes, and other accessories as required. Fabricate in minimum 96-inch-long sections. Furnish flat-stock gutter spacers and gutter brackets fabricated from same metal as gutters, of size recommended by SMACNA but not less than twice the gutter thickness. Fabricate expansion joints, expansion-joint covers, gutter bead reinforcing bars, and gutter accessories from same metal as gutters.

N. Downspouts: Fabricate rectangular downspouts complete with mitered elbows. Furnish with metal hangers, from same material as downspouts, and anchors. Hanger style as indicated on drawings.

O. Parapet Scuppers: Fabricate scuppers of dimensions required with closure flange trim to exterior, 4-inch- wide wall flanges to interior, and base extending 4 inches beyond cant or tapered strip into field of roof.

P. Copings: Fabricate in minimum 96-inch- long, but not exceeding 10-foot- long, sections. Fabricate joint plates of same thickness as copings. Furnish with cont. cleats to support edge of external leg & drill elongated holes for fasteners on interior leg. Install standing seam joints at spliced sections, Miter corners, & seal to create a watertight assembly.

Q. Through-Wall Flashing: Fabricate continuous flashings in minimum 96-inch- long, but not exceeding 12-foot- long, sections, under copings, at shelf angles, and where indicated. Fabricate discontinuous lintel, sill, and similar flashings to extend 6 inches beyond each side of wall openings. Form with 2-inch- high, end dams where flashing is discontinuous.

R. Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement so that completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight. Use fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.

S. Install sheet metal roof drainage items to produce complete roof drainage system according to SMACNA recommendations and as indicated. Coordinate installation of roof perimeter flashing with installation of roof drainage system.

T. Hanging Gutters: Join sections with riveted and soldered joints or with lapped joints sealed with sealant. Provide for thermal expansion. Attach gutters at eave or fascia to firmly anchored gutter brackets spaced not more than 36 inches apart. Provide end closures and seal watertight with sealant. Slope to downspouts. Install gutter with expansion joints at locations indicated, but not exceeding, 50 feet apart. Install expansion-joint caps.

U. Downspouts: Join sections with 1-1/2-inch telescoping joints. Provide hangers with fasteners designed to hold downspouts securely to walls. Locate hangers at top and bottom and at approximately 60 inches o.c. in between.

V. Parapet Scuppers: Install scuppers where indicated through parapet. Continuously support scupper, set to correct elevation, and seal flanges to interior wall face, over cants or tapered edge strips, and under roofing membrane.

W. Install sheet metal flashing and trim to comply with performance requirements, sheet metal manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, set units true to line, and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

X. Copings: Anchor to resist uplift and outward forces according to recommendations in SMACNA's "Architectural Sheet Metal Manual" and as indicated.

Y. Clean and neutralize flux materials. Clean off excess solder and sealants. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.

Section 07920 - Joint Sealants

A. Sealants provided shall meet Manufacturer's shelf-life requirements.

B. Interior: Inside jambs and heads of door frames, Inside perimeters of windows, and miscellaneous gaps between substrates.

C. Basis-of-Design product: Tub, Tile, And Ceramic Silicone Sealant by Dow Corning.

D. Joints formed by countertops & backsplash to wall and by sinks & lavatories to countertops.

E. Colors: As selected by Architect from Manufacturer's standard colors.

F. Backing: Flexible closed cell, non-gassing polyurethane or polyolefin rod or bond breaker tape as recommended by Sealant Manufacturer for joints being sealed.

G. Surfaces shall be clean, dry, and free of dust, oil or grease.

H. Apply primer as recommended by Sealant Manufacturer.

I. Exterior Building Elements: Joints and cracks around windows, Aluminum entrance perimeters and thresholds, Louvers, Wall penetrations, and other joints necessary to seal off building from outside air and moisture.

J. Basis-of-Design product: 1200 Primer, 791 Sealant by Dow Corning.

K. Exterior Sheet Metal And Miscellaneous: Penetrations in soffits and fascias, Roof vents and flues, and Flashings.

L. Basis-of-Design product: 791 or 790 by Dow Corning.

M. Exterior Concrete: Joints between building foundations and exterior site concrete.

N. Basis-of-Design product: 1200 Primer, 790 Sealant by Dow Corning.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
02/23/2024 3:18:01 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
SPECIFICATIONS

PROJECT NO: 22057

A801

O. Apply sealant with hand-caulking gun with nozzle of proper size to fit joints. Use sufficient pressure to insure full contact to both sides of joint to full depth of joint. Apply sealants in vertical joints from bottom to top.

P. Tool joints immediately after application of sealant if required to achieve full bedding to substrate or to achieve smooth sealant surface. Tool joints in opposite direction from application direction, i.e., in vertical joints, from the top down. Do not 'wet tool' sealants.

Q. Depth of sealant bite shall be 1/4 inch 6 mm minimum and 1/2 inch 13 mm maximum, but never more than one half or less than one fourth joint width.

R. Do not apply caulking at temperatures below 40 deg F 4 deg C.

S. Caulk gaps between painted or coated substrates and unfinished or pre-finished substrates. Caulk gaps larger than 3/16 inch 9 mm between painted or coated substrates.

Division 08 - Doors & Windows

Section 08110 - Steel Doors & Frames

A. Provide doors of design indicated, not less than thickness indicated; fabricated with smooth surfaces, without visible joints or seams on exposed faces. Comply with ANSI A250.8 and standards of the Steel Door Institute (SDI). Doors shall be by Amweld, Ceco, Steelcraft or approved equal.

B. Core Construction: Manufacturer's standard kraft-paper honeycomb, poly - styrene, polyurethane, mineral-board, or vertical steel-stiffener core that produces doors complying with ANSI A250.8.

C. Exterior Doors: Face sheets fabricated from metallic-coated steel sheet. Provide 18 gauge doors complying with requirements indicated below by referencing ANSI A250.8 for level and model and ANSI A250.4 for physical-endurance Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 1 (Full Flush). Provide doors fabricated with thermal-resistance value of not less than 2.1 deg F x h x sq. ft./Btu when tested according to ASTM C 1363.

D. Interior Doors: Face sheets fabricated from metallic-coated steel sheet. Provide 20 gauge doors complying with requirements indicated below by referencing A NSI A250.8 for level and model and ANSI A250.4 for physical-endurance Level 1 and Physical Performance Level C (Standard Duty), Model 1 (Full Flush).

E. Steel Frames General: Comply with ANSI A250.8 and with details indicated for type and profile.

F. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications. Provide labeled frame to match door fire rating .

G. Anchors: 16 US ga 1.6 mm minimum meeting UL or other code acceptable requirements for door rating involved. Provide three jamb anchors minimum for each jamb. On hinge side, install one anchor at each hinge location. On strike side, install one anchor at strike level and anchors at same level as top and bottom hinges. Tack weld anchors on frames. Anchor types and configurations shall meet wall conditions.

H. Interior Frames: Fabricated from cold-rolled steel sheet, unless otherwise indicated. Fabricate frames with mitered or coped and welded face corners and seamless face joints, unless otherwise indicated.
1. Frames for Steel Doors: 0.053-inch- (1.3-mm-) thick steel sheet, unless otherwise indicated.
2. Frames for Wood Doors: 0.053-inch- (1.3-mm-) thick steel sheet, unless otherwise indicated.
3. Frames for Borrowed Lights or Interior Windows: 0.053-inch- (1.3-mm-) thick steel sheet, unless otherwise indicated.

I. Exterior Frames: Fabricated from metallic-coated steel sheet. Fabricate frames with mitered or coped and welded face corners and seamless face joints.

J. Supports and Anchors: Fabricated from electrolytic zinc-coated or metallic-coated steel sheet.

K. Set frame in location and level head. Equalize with adjustable floor anchor.

L. Set spreaders and fasten jambs to floor and wall.

M. Fill gap between frame and framing with urethane foam or tightly-packed fiberglass insulation. If urethane foam is used, coat interior of frames with foam before installing frame. Trim excess before installation of frame.

N. Caulk around both sides of frames of doors receiving acoustical seals with specified sealant.

Section 08200 - Wood Doors

A. Wood doors installed in metal or wood frames. See door schedule sheet for types.

B. Do not have doors delivered to building site until after plaster, cement, and taping compound are dry. If doors are to be stored at job-site for more than one week, seal top and bottom edges if not factory sealed.

C. Store flat on a level surface in a dry, well ventilated building. Cover to keep clean but allow air circulation.

D. Handle with clean gloves and do not drag doors across one another or across other surfaces.

E. Do not subject doors to abnormal heat, dryness, or humidity or sudden changes therein. Condition doors to average prevailing humidity of locality before hanging.

F. Warranty: Manufacturer's standard full door warranty for lifetime of original installation.

G. Wood Doors:
1. Face Veneer: As indicated on drawings - meeting requirements of AWI Premium Grade with Grade A faces, 1/50 inch thick minimum immediately before finishing. Face veneers shall be running book matched unless otherwise indicated.
2. Construction: Five or seven plies with stiles and rails bonded to core.
3. Fully Type I: Adhere all glue lines with Type I adhesive, including veneer lay-up.
4. Core: 32 lb density meeting requirements of ANSI A 208.1 Mat Formed Wood Particle Board.
5. Stiles: As indicated on drawings.
6. Jambs: Thickness: One inch nominal, with stop dado'ed into jamb. Type of Wood and Joints: Fingerjointed jamb, paint grade hardwood.

H. Doors to be installed in steel frames shall be factory-machined.

I. When Project is completed, doors shall not bind, stick, or be mounted so as to cause future hardware difficulties.

J. Do not impair utility or structural strength of door in fitting of door, applying hardware, or special details.

Section 08411 - Aluminum-Framed Entrances & Storefronts

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings and/or the following:

Finish to be BRITE WHITE - ORSF81275 with all glazing to be 1/4" insulated glass.
Provide Tempered glass in locations as indicated on the drawings.
Tri-Fab 451 Insulated Series as required by Kawneer. Doors to be Kawneer 350 standard series doors. Finish of doors to match storefront finish.

Door Alternate ; Provide Owner with an Alternate for security based 7/16" impact glazing on the exterior side of the entrance doors.

B. Hardware for aluminum doors and doorframes shall be the entrance manufacture's standard. If custom hardware is to be furnished by others, templates and physical, hardware must be submitted prior to any fabrication.

C. All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be prefinished clear. For glazing refer to Elevations& Details. Tempered glass shall be provided where required by code.

D. All glazing and storefront work shall be set level, square, plumb and to proper elevation in alignment with other work and in accordance with the manufacture's installation instructions and approved shop drawings. All joints between entrance framing and the building structure shall be sealed in order to secure a watertight installation. Upon completion of the installation of the entrances, it shall be the Contractor's responsibility to make all necessary final adjustments to obtain normal operation of each door and it's mechanical hardware.

E. After installation, the General Contractor shall adequately protect exposed portions of the aluminum sotorefront from damage by grinding and polishing compounds,plaster, lime, ASID, cement or other containments. The General Contractor shall be responsible for final cleaning of storefront and windows.

F. The glazing contractor shall furnish all necessary materials, labor and equipment for the complete installation of aluminum entrance doors, doorframes hardware and glazing system as detailed on the drawings and specified herein. Contractor shall field verify all dimensions and rough openings of store front systems prior to fabrication & installation of storefront systems .

G. For purpose of designating type and quality work in this section, drawings and specifications are based on Kawneer center glazing system (refer to Architectural Elevations and details).

H. Door stiles and rails shall be tubular sections, accurately joined at corners with heavy concealed reinforcement brackets with bolts and screws, and shall be MIG welded. Doors shall have snap-in-stops with bulb glazing gasket both sides of glass. No exposed screws shall be permitted. Each door leaf shall be equipped with an adjusting mechanism, located in the top rail near the lock stile, which provides minor clearance adjustments after installation.

I. A hard-backed poly pile weather strip shall be installed in both stiles of center-hung pair of doors. Offset pivoted doors shall have weather-stripped at frame jambs and header. The active meeting site of all pair of doors shall have an adjustable astragal with double line of weather-strip. Door bottom rail shall receive a concealed weather-strip insert.

J. Self-closing & Tempered glass Drive-thru window: rough opening = Refer to Drawings for size.Window to fit into a "storefront" frame, match storefront in color & glazing. Contractor shall field verify all dimensions and rough openings of storefront systems prior to fabrication & installation of storefront systems .

Section 08710 - Door Hardware

A. Contractor to provide a hardware schedule. Indicate manufacturer's name, product description, finish and location of each item, and complete keying schedule. Include manufacturer's cut sheets for each hardware item.Cross-reference all numbers used within schedule that deviate from those specified. Column 1 shall state specified item and manufacturer. Column 2 shall state prior approved substituted item and its manufacturer. Indicate compliance with ANSI A117.1 handicapped accessibility standards.

B. Contractor to provide the required hardware for fire-rated openings in compliance with current code requirements of NFPA 80. Exit hardware for fire-rated openings shallbear UL markings. Contractor to warrant all architectural hardware for a period of one year after date of substantial completion. Warrant door closer for additional four years.

C. Contractor to operate lock set's by construction core system until date of substantial completion. Provide the following number of keys: change keys - two per lock, master keys - six each, construction master keys - three each.

D. All hardware as indicated on drawings, unless noted otherwise. Note: storefront hardware to be provided by storefront manufacturer and have finish to match storefront system.

E. Install finish hardware plumb, level and true to line in accordance with approved shop drawings for doors and manufacturer's printed instructions. Location of hardware, where applicable, shall be in accordance with "recommended locations for builders' hardware for standard steel doors and frames". Install finish hardware to template. Cut and fit substrate to exact tolerances required for hardware installation without damaging or weakening door construction. Cover cutout with hardware item.

F. Mortise work to correct location and size, without gouging, splintering, or causing irregularities in exposed finish work. Where cutting and fitting is required on substrates to be painted, install, fit and adjust hardware prior to finishing, then remove and replace in original packaging. Reinstall hardware after finishing operation is completed. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

G. Set thresholds for exterior doors in full bed of Butyl-rubber or Polyisobutylene mastic sealant. Weather-stripping and seals to comply with manufacturer's instructions and recommendations to the extent installation requirements are not otherwise indicated. At time of hardware installation, adjust each hardware item to perform function intended. Lubricate moving parts using lubricant acceptable to hardware manuf.

H. Prior to date of substantial completion, readjust and re-lubricate hardware. Replace defective materials. As recommended by manufacturer, clean hardware to remove dust and stains. Instruct Owner's designated personnel in adjustment and maintenance of hardware and finishes at time of final hardware adjustment.

Section 08800 - Glazing (Insulated)

A. Window Glazing: As indicated on Drawings. (Exterior & Interior Elevations and Door Schedule) Also refer to Section 08411 - Aluminum-Framed Entrances & Storefront. Glass Tint: Exterior side Gray Tempered, Interior Side Clear.

B. Deterioration of Coated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in metallic coating. (To include tempered acid etched door glass and tempered one-way mirror glass.)

C. Deterioration of Laminated Glass: Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

D. Provide glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

E. Glass thickness designations indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites in the thickness designations indicated for various size openings, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria: Select minimum glass thicknesses to comply with ASTM E 1300.

F. Thermal Movements: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

G. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

H. Adjust glazing channel dimensions as required by Project conditions during installation to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

I. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

Division 09 - Finishes

Section 09111 - Non-Load Bearing Steel Framing

A. Steel Framing for Walls and Partitions:
1. Steel Studs and Runners: ASTM C 645 ASTM A 653, G60, hot-dip galvanized coating.
2. Stud Depth: Refer to Wall Types sheets.
3. Stud Thickness: Refer to interior stud framing schedule on Drawings.
4. Furring Channels: ASTM C 645 ASTM A 653, G60, hot-dip galvanized coating.
5. Furring Channel Thickness: Refer to interior stud framing schedule on Drawings.
6. Auxiliary Framing Components: Furring brackets, resilient furring channels, Z-furring members, and non-corrosive fasteners.

B. Steel Framing for Suspended and Furred Ceilings:
1. Furring Channels: ASTM C 645 ASTM A 653, G60, hot-dip galvanized coating.
2. Attachment: Standard.
3. Thickness: Refer to interior stud framing schedule on Drawings.
4. Accessories: Hangers and inserts.

C. Steel Framing: Install steel framing in compliance with ASTM C 754. Install with tolerances necessary to produce substrate for gypsum board assemblies with tolerances specified. Include blocking for items such as railings, grab bars, . casework, toilet accessories and similar items.

Section 09250 - Gypsum Board

A. Interior Gypsum Board: U.S. Gypsum Co. or any manufacturer's product meeting requirements of ASTM C 36, tapered edge, face paper suitable for painting. Comply with governing codes and regulations. Use experienced installers. Deliver, handle, & store materials in accordance with manufacturer's instructions. Ceiling type to be more sag resistant than regular type. Moisture and Mold-Resistant type with moisture and mold-resistant core and surface, used at all toilets and sink (wet) areas unless tile backing panels used. (Refer to Wall Type Drawings & Section 06160)

B. Tolerances: Not more than 1/16-inch difference in true plane at joints between adjacent boards before finishing. After finishing, joints shall be not be visible. Not more than 1/8 inch in 10 feet deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.

C. Fire Resistance for Fire-Rated Assemblies: ASTM E 119, Type "X" one hour rated.

D. Fasteners: Type W Bugle head screws of length to penetrate wood framing 5/8 inch 16 mm minimum.

E. Coordinate with Division 06 for location of blocking required for installation of equipment and building specialties. Do not install gypsum board until required blocking is in place.

F. Fastening: Apply screws 3/8 inch 10 mm minimum from ends and edges, one inch 25 mm maximum from edges, and 1/2 inch 13 mm maximum from ends. Space screws not over 7 inches 175 mm on center at edges where blocking or framing occurs and in panel field. Indent screw heads below plane of board, but do not break face paper.

G. Trim: Corner Beads: Set paper-faced trim in solid bed of taping compound. Edge Trim: Apply where gypsum board abuts dissimilar material. Hold channel and 'L'trim back from exterior metal window and metal door frames 1/8 inch 3 mm to allow for caulking.

H. Finishing: Tape and finish joints and corners throughout building to correspond with final finish material to be applied to gypsum board. When sanding, do not raise nap of gypsum board face paper or paper-faced trim.

Finishing Levels:
Unfinished Gypsum Board Surfaces, GA-214-90 Level Two:
'All joints and interior angles shall have tape embedded in joint compound and 1 separate coat of joint compound applied over all joints, angles, fastener heads, and accessories. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable, except under acoustic tile.'

Gypsum Board Surfaces in Storage, And Utility Areas to Receive Paint, GA-214-90 Level Three:
'All joints and interior angles shall have tape embedded in joint compound and 2 separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges.'

Gypsum Board Surfaces to Receive Wall Covering, Paint, and Painted Texturing in Occupied Areas, GA-214-90 Level Four:
'All joints and interior angles shall have tape embedded in joint compound and 3 separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges.'

Prime gypsum board surfaces that are to receive texturing or to receive wall covering.

I. Acoustical Sealants: Install at perimeter joints and at mechanical and electrical penetrations in sound insulated rooms. Insure full contact to both sides of joint to full depth of joint. Depth of sealant bite shall be 1/4 inch 6 mm minimum and 1/2 inch 12mm maximum, but never more than one half or less than one fourth joint width.

Section 09310 - Ceramic Tile

A. Ceramic Tile: As indicated on finish Schedule on Drawings.

B. Allow concrete to cure for 28 days minimum before application of setting bed.

C. Project Environmental Requirements: Keep ambient temperatures of area to receive tile work and surface temperatures of substrates at 50 deg F 10 deg C minimum during preparation of mortar bed, laying of tile, and for 72 hours after completion of tile work. Use electric heat to prevent discoloration of grout.

D. Provide straight tile joints of uniform width, subject to variance in tolerance allowed in tile size. Make joints smooth and even, without voids, cracks, or excess mortar or grout.

E. Place tile in fresh mortar, press, push and pull tile slightly to achieve as near 100 percent coverage and contact of tile with setting material and substrate as possible. Coverage shall be 85 percent minimum and be sufficiently distributed to give full support of the tile. Support corners and edges with mortar leaving no hollow corners or edges.

F. Application to Walls: Apply backer board to framing. Attach using specified fasteners spaced 6 inches 150 mm on center on edges and into all framing members. Drive screws flush with surface of board. Shim board to be plumb and flat. At joints, embed fiberglass reinforcing tape with mastic or mortar used to adhere tile.

G. Application To Floors On Setting Bed: Apply setting bed to depth equal to depression in slab minus 1/2 inch 13 mm. Properly cure before installing tile.

H. If used, remove grout release and clean tile surfaces so they are free of grout residue and foreign matter. If a grout haze or residue remains, use a suitable grout haze remover or cleaner. Flush surface with clean water before and after cleaning.

Section 09511 - Acoustical Panel Ceilings

A. Project Environmental Requirements: Building shall be enclosed, mechanical system operating with proper filters in place, and temperature and humidity conditions stabilized within limits under which Project will operate before, during, and after installation until Substantial Completion. Temperature at time of installing panels shall be 65 deg F 18 deg C minimum and 90 deg F 32 deg C max.

B. Provide, where indicated, acoustical panel ceilings assemblies tested for fire resistance per ASTM E 119 by UL or another testing agency acceptable to local authorities. Surface-Burning Characteristics to comply with ASTM E 1264 for Class A materials, when tested per ASTM E 84.

C. Extra Materials: Provide Owner with one carton of each type of tile for future use.

D. Metal Suspension System: Per Reflected Ceiling Plan sheet or USG Corporation, 15/16" Prelude or type recommended by Panel Manufacturer.

E. Acoustic Panel: Per Reflected Ceiling Plan sheet or USG Corporation, Vinyl Faced, 24" X 48".

F. Install materials and suspension systems in accordance with manufacturer's instructions and recommendations, and ASTM C 636. Coordinate installation with location of mechanical ductwork, mechanical equipment, and electrical work prior to commencement of installation to ensure proper locations and anchorage. Notify architect of any discrepancies prior to installation.

G. Install tile running same direction with direction of pattern running parallel to long dimension of each room, unless otherwise indicated on Reflected Ceiling Plans.

H. Install splines in kerfs at corners.

I. Lay out tile symmetrically about center lines of room unless shown otherwise on drawings. Lay out so tiles at room perimeters are at least 1/2 full tile size, where possible. Leave tile in true plane with straight, even joints. Tile joints shall be straight, in alignment, and exposed surface flush and level. Furnish and install specified moulding wherever tile abuts walls, columns, and other vertical surfaces, except at curves of 3 inch 75 mm radius or smaller. Cut around penetrations that are not to receive mouldings cleanly with sharp knife and at a slight angle away from cutout.

J. Locate light fixtures, speakers, and mechanical diffusers and grilles symmetrically in room and centered on tile centers or tile joints insofar as possible, unless shown otherwise. Keep ceiling mounted item location method within each room shall always be consistent.

K. 'Touch-up' minor abraded surfaces. Replace damaged or out of level panels.

ARCHITECT OF RECORD:

THOMAS E. MORGAN, JR.
ARCHITECT

423 FISCHER TRAIL
ELLIJAY, GEORGIA 30540

SEAL:

THOMAS E. MORGAN, JR.
NO. 005323

REVIEWED
GENERAL BUILDING
Chris Archuleta
02/23/2024 3:18:01 PM
A-155698

MRP
DESIGN GROUP
3450 Acworth Due West Road
Building 100, Suite 120
Kennesaw, Georgia 30144
P. 770-917-9172
F. 770-917-9470
www.mrpdesign.com

PRELIMINARY
NOT RELEASED FOR
CONSTRUCTION

ISSUES / REVISIONS:

DATE	DESCRIPTION
07/17/23	OWNER REVIEW

DRAWN BY:
CHK'D BY:

PROJECT DESCRIPTION:
PROJECT DESCRIPTION

PROJECT TITLE:
TA.
TRAVEL CENTER
TUCUMCARI, NM

SHEET TITLE:
SPECIFICATIONS

PROJECT NO: 22057

GENERAL STRUCTURAL NOTES FOUNDATION

Design

The design of this foundation has been based upon:
1. International Building Code, (IBC 2015)
2. Building Code Requirements for Reinforced Concrete, American Concrete Institute, current edition
3. Prevailing and local good standard practice.
4. Geotechnical Report No.: #100
   By: Geotechnical Evaluation
   Dated: March 01, 2023
5. Allowable Soil Bearing Pressure = 1500 PSF
6. Total settlement = 1 inch or less
7. Differential settlement = ½ inch or less
8. Remediated PVR = 1 inch
9. See Structural Framing Notes for design loads

General Conditions

1. The Engineer's basic responsibility is for member size and strength, not dimension control or fit and finish. Special conditions or loads must be brought to the attention of the Architect and/or Engineer.
2. These structural plans are based on information provided to this office. The Engineer shall be entitled to rely on the accuracy and completeness of this information in the preparation of the construction documents.
3. The project specifications shall be considered an integral part of the contract documents. The contractor shall review the specifications prior to construction and notify the Architect or Engineer of any discrepancies before proceeding with the work.
4. The contractor and all subcontractors/trades are responsible for reviewing the entire set of plans and specifications, to include dimensions and sections. Any discrepancies must be reported to the Architect and/or Engineer prior to fabrication or installation of structural members. Engineer does not take responsibility for dimensions or architectural features.
5. Construction shall be based upon the entire set of contract documents. Some critical items required by other disciplines may not be shown on the structural drawings, such as wall, floor, and roof openings, architectural, mechanical, and plumbing loads, support plates, etc. Items shown by other disciplines, which reference the structural drawings, but are not shown on these documents, shall be considered design build items. For such items, the contractor shall submit a design by others for review.
6. The structural construction documents represent the finished structure. They do not indicate the method of construction. The contractor shall institute all measures necessary to ensure the integrity of the structure during construction. Such measures shall include, but not be limited to, bracing, shoring for loads due to construction equipment, etc. The structural engineer shall not be responsible for the contractor's means, methods, techniques, or sequences used during the construction process, or the safety precautions and the programs incident thereto. Observation visits to the site performed by the engineer or his affiliates shall not include inspection of these items.
7. See architectural drawings for elevations not shown and for exact locations of all slab depressions. The contractor shall compare the structural sections with the architectural sections and report any discrepancies to the architect prior to fabricating or installing structural members.
8. The contractor shall comply with all applicable safety requirements.
9. The building structure shall not be considered laterally stable or able to resist wind or seismic forces until the entire building is complete or written documentation is provided by the engineer of record.
10. Construction materials shall be spread out if placed on framed construction, such that the loading does not exceed the design live load per square foot.
11. The contractor is responsible for the timely scheduling of all required product submittals, inspections, and any other construction documentation. Please note that shop drawings that affect the structural plans will need to be submitted before construction starts.
12. Notes, details, and schedules herein are typical and may apply to similar conditions unless otherwise noted or shown. Not all sections, schedules or notes may apply to each project.
13. Information on the structural plans may supercede general notes and details.
14. Framing shall ensure a continuous load path from point of application to the foundation. This includes, but is not limited to, gravity, uplift and lateral loads.
15. This office shall be consulted prior to modifying any structural member, to include penetrations and perforations, except as permitted by code or these documents.
16. The contractor shall establish and coordinate all required openings, sleeves, curbs and inserts for architectural, mechanical, plumbing, and electrical components with the appropriate trades, drawings, and subcontractors prior to construction.
17. Where reference is made to test standards for materials or procedures, such standards shall be the latest edition and/or addenda.
18. Options are provided for the contractor's convenience. If an option is chosen, the contractor shall be responsible for all necessary changes and shall coordinate all details.
19. Where discrepancies occur between plans, details, general structural notes and specifications, the greater requirements shall govern.
20. Any engineering design, provided by others and submitted for review, shall bear the seal of an registered engineer. The supplier of engineered structural components shall be responsible for the complete design and shall use the entire set of contract documents to include all loads and detail requirements associated with all disciplines. The supplier shall provide any additional material required to meet their requirements for installation, such as wider bearing plates, shims, erection bolts, etc.
21. The structural steel supplier shall be required to furnish bolts required for OSHA connections.
22. Wall shoring shall be installed prior to back filling behind all building retaining walls, unless all restraining slabs are installed and have achieved their specified design strength. Use hand tapping only when within 8'-0", or within half the wall height of back filled wall. Continuous foundation drain pipes (french drains) or weep holes shall be provided behind all basement walls and all exterior retaining walls that retain more than 3'-0" of soil. weep holes, where used, shall be 2" in diameter and shall be spaced at 6'-0" o.c. maximum.
23. Investigate actual locations of underground lines and utilities before excavating and advise the architect of all interferences.
24. All design documents prepared or furnished by Strand Systems Engineering, Inc. are instruments of service, and Strand Systems Engineering, Inc. retains ownership and property interest (including the copyright) in such documents, whether or not the project is completed. Client shall not reuse the documents without written permission from Strand Systems Engineering, Inc.
25. Field installation crews shall be furnished with installation plans and/or shop drawings which are large-scale enough to be easily read. Sheets from 8½x11 office printers are not acceptable, except in the case of repair details.

Materials

Concrete:

1. Structural concrete shall comply with American Concrete Institute (ACI) Code 318, latest edition.
2. Concrete work shall conform to all requirements of ACI 301(current) specifications for structural concrete for buildings.
3. Minimum 28-day compressive strength shall be as follows:
   - Rebar Reinforced Slab on Grade: 3000 psi
4. Concrete shall have a "uniformly graded" aggregate distribution. This may entail a blending of two different (nominal) sizes of coarse aggregate. The objective is to create a mix of aggregates wherein there is no less than 8% in any size category between 3/8" and No. 30. Submit mix for approval.
5. Water content shall be controlled and minimized. Otherwise, cracking due to shrinkage will be excessive. Plasticizing additives are recommended.
6. All concrete shall be mechanically vibrated when placed, except that slabs on grade need only be vibrated around under-floor ducts, penetrations, edges, holdowns and post-tensioning anchors.
7. Maximum slump 5"±1" for concrete without plasticizer. If plasticizer is used, a higher final slump may be allowed upon structural engineer's approval. Maximum slump to be 8 inches.
8. Maximum water to cement ratio W/C shall not exceed 0.55
9. Without the written consent of the architect, no fly ash additives shall be used in flatwork or architecturally exposed concrete. If permitted by architectural specifications, fly ash shall meet ASTM C 618 Type F. Fly ash content shall be limited to 18% of cementitious materials and shall have a replacement factor of 1.2 relative to cement replaced.
10. Maximum size of aggregate shall be 1 inch aggregate per ASTM C57 or C33.
11. Calcium chloride or admixtures containing calcium chloride shall not be used as additives.
12. Concrete cast on soils with severe/very severe levels of soluble sulfate shall be Type V cement.
13. Protect concrete from damage or reduced strength from cold or hot weather in compliance with ACI 305 and ACI 306.
14. Evaluation and acceptance of concrete shall be based on cylinder strength tests as outlined in the applicable building code.
15. Fill plumbing boxes with 3 1/2" minimum slab of 3000 psi concrete.

Reinforcing

1. Rebar shall be sized as noted on plans. All rebar shall conform to ASTM A-615 and shall be grade 60 (Fy=60ksi). Alternate bar diameters may be used as long as the grade and steel cross-sectional area of the substituted bars is not less than the original specification.
2. All grade 60 reinforcing to be welded shall be ASTM A706. Welded wire fabric per ASTM A185, wire per ASTM A82. No tack welding of reinforcing bars allowed without prior approval of procedure by the structural engineer.
3. Detailing of concrete reinforcement and accessories shall be in accordance with ACI Detailing Manual, SP-66, the CRSI Manual of Standard Practice and ACI 318.
4. Clear concrete coverage shall be as follows:

Cast In Place Concrete	
Cast against and permanently exposed to earth	3"
Exposed to earth or weather: #6 or larger #5 and smaller	 2" 1 1/2"
Columns (to ties)	1 1/2"
Beams (to stirrups)	1 1/2"
Flat Elevated slabs, Walls	3/4"
All other per latest edition of ACI 318.	

5. Lap splices, unless noted otherwise, shall be class "B" tension lap splices per latest edition of ACI 318. See "Lap Schedule for Reinforcing Steel" for more information. Lap splices in concrete columns shall be standard compression lap splices. Stagger splices a minimum of one lap length. Laps in welded wire fabric shall be made so that the overlap, measured between outermost cross wires of each fabric sheet, is not less than the spacing of cross wires plus 2 inches. All welded wire fabric shall be chaired to ensure proper clearances.
6. All splice locations are subject to approval by the structural engineer. Provide bent corner bars to match and lap with horizontal bars at all corners and intersections per typical details. Reinforcing bar spacing given are maximum on center spacing. All bars shall conform to CRSI specifications and handbook. Dowel all vertical reinforcing to foundation with standard 90-degree hooks unless noted otherwise. Embedment for dowels in concrete columns shall be for a standard compression dowel with embedment length according to the latest edition of the ACI 318. All bars shall be securely tied prior to placing concrete.
7. Reinforcing shall not be heated.
8. Where reinforcing bar full tension splices are noted, a suitable mechanical splice may be used which shall develop 125 percent of the yield point strength of the bar.
9. Welded wire fabric (WWF) shall lap two full meshes and be securely wired at each side and end. Welded wire fabric shall be fabricated from sheets. Rolls are not allowed.
10. Provide corner bars at all continuous footing intersections, wall and bond beam corners. At a minimum, bars shall be the same size and spacing as horizontal reinforcing in each direction.
11. Intersecting walls, if poured separately, shall be keyed and doweled together with bars of same size and spacing as horizontal reinforcement.

Structural Masonry

1. Structural masonry shall comply with American Concrete Institute (ACI) codes 318 and 530, latest edition.
2. Masonry shall have minimum compressive strength of masonry, f'_m, of 1500 psi. This strength may be determined by the unit strength method or the prism test method. (ASTM C1314)
3. CMU block: ASTM C90 Type II, Normal Weight (min. average net compressive strength of 1900 psi.)
4. Brick: ASTM C62 (minimum average net compressive strength of 3350 psi).
5. Mortar: ASTM C270 Type S
6. Grout: ASTM C476 (compressive strength of grout, f'_g, shall equal or exceed the compressive strength of masonry, f'_m, but shall not be less than 2000 psi.)
7. Control joints shall be installed as required to limit cosmetic cracking. Joint spacing in masonry shall not generally exceed 25 feet or 3 times the wall height.
8. Bed joint thickness shall not exceed 5/8"
9. Where the minimum dimension of any continuous vertical cell is 3 inches or less, use fine grout, otherwise use coarse (pea gravel) grout.
10. Joint reinforcement (ladder-wire type) shall meet ASTM A82. Provide the following minimum continuous horizontal masonry reinforcing at 16 inches.

Construction

Concrete Construction

1. Contractor shall advise the engineer of steep slopes adjacent to the buildings or any other site conditions which may not be described on the plans or in the soil report. Where highly active soil is extremely dry, future soil movements will be increased. Contractor shall advise engineer of this condition.
2. Contractor shall field verify all dimensions. Engineer does not take responsibility for dimensions or for architectural features. Engineer's basic responsibility is for member size and strength. Contractor is responsible for fit & finish. Where there is a discrepancy between dimensions shown hereon and on the architectural plans, the architectural plans shall control. See mechanical drawings for openings. Notify architect of any discrepancies that cannot be resolved in the field.
3. Preparation of the building pad is important. Slab shall not be placed on un-consolidated soil fills of any size unless the fill has been considered in the design, or the slab is supported on piers. Unless specified otherwise in the soil report, all fills shall be compacted to 95%. Proctor density according to FHA data sheet 79-G. Deep fills shall be layered 8" maximum thickness with compaction of each layer. Water shall be added according to the soils engineers' specifications and shall be maintained until the slab is constructed. If only a portion of the structure is on deep fill, the engineer shall be notified prior to construction.
4. Trenches for buried plumbing shall not run along or under beams except to cross under abruptly at angles between 30° & 90°. Trench backfills shall be thoroughly compacted. If sand is used for backfill, use a clay moisture plug at the edge of the foundation.
5. Beam trenches shall be clean and per plan in size. Loose soil, clods and trash shall be removed from trenches before concrete placement. Only surface saturation shall be permitted at bottom of trenches. If there is deep mud it shall be removed prior to concreting and replaced with firm soil.
6. If firm rock is encountered during trenching for beams, beam depth may be reduced. Beams need to penetrate rock only enough to achieve a minimum depth of 12" (Weathered shale is not rock.) (Refer to "Rock-to-Soil Transition" detail on Typical Detail Sheet.)
7. There shall be a layer of granular material under all slabs. If depth is not specified in the soil report, depth is only required to fill voids in subgrade and provide a level surface.
8. There shall be a layer of poly (10 mil. min.) under the slab at all living areas and meets the Requirements of ASTM E1745. Poly may be omitted at garages, porches and patios in order to minimize shrinkage cracking. Poly shall be cut back to expose the bottoms of beam trenches so that they may be cleaned. See Poly installation details on Typical Detail Sheet.
9. Construction joints are not permitted unless detailed or specified by the engineer.
10. Rebar shall be tied at all intersections. S-hooks shall not be used to support tendons. Tendons shall be supported on chairs at no more than 4 feet O.C. Rebar shall be adequately supported and tied in place even if supports are not detailed on plans. Reasonable care shall be used during placement of concrete so that positioning of rebar and supports is maintained.
11. Rebar shown at an inside corner of the slab shall extend 3'-0" min. past the corner into the slab.
12. In dry climates or windy seasons, a curing compound shall be sprayed on the slab the same day as the placement of concrete. Quantity applied shall be as recommended by the manufacturer, but in any case, a sufficient amount shall be applied to provide full and continuous surface coverage.
13. After slab is poured, water shall not be allowed to pond adjacent to it. Proper drainage is permanently necessary for slab to maintain its integrity. Builder shall advise owner of this requirement.
14. Contractor shall take note of large diameter (3" & up) PVC pipes perpendicular to slab contraction joints. If these pipes have vertical risers close to the joint, or if they are embedded in the grade beams, they shall have flexible connections installed in the plane of the contraction joint. (Refer to penetration details on Typical Detail Sheet.)
15. If the slab has an contraction joint, any concrete walls attached to slab must have a corresponding contraction joint to allow wall to shorten with slab. Refer to details.
16. Holdown (HD) locations are approximate, based on architectural and/or structural plans available. Actual field locations may vary, due to exact wall locations and framing offsets. All locations should be verified in the field prior to the placement of concrete, to ensure that the concrete cone is concentric with the actual holdown location. For minor variations, standard HD details on this sheet may be used without further consultations. This office should be notified of major changes prior to concrete placement.
17. Perimeter holdown locations are not shown unless additional concrete is required.

Structural Masonry Construction

1. Masonry for this structure has been designed in accordance with the referenced code as inspected masonry with a level 1. The owner shall employ an agent in compliance with code criteria to insure that the code requirements are carried out. Inspection & testing shall conform to ACI 530.1 Specification for Masonry Structures Section 1.5 and 1.6.
2. Provide control joints at locations approved by the architect in all masonry walls at a maximum spacing of 25 feet or 3 times the wall height, whichever is less. Also provide control joints adjacent to corners, at changes in wall height and at changes in foundation conditions.
3. Joint reinforcement shall be discontinued at control joints and where masonry veneer is supported from the structure.
4. Control joints shall not occur at wall corners, intersections, ends, within 24" of concentrated points of bearing or jambs, or over openings unless specifically shown on the structural plans.
5. Clean-out openings shall be provided at the bottom of all cells to be filled in each pour of grout where such grout pour is in excess of 5 feet in height. Maximum grout lift shall be 8'-0". Any overhanging mortar or other obstruction or debris shall be removed from the insides of such cell walls. The cleanouts shall be sealed after inspection and before grouting.
6. All reinforced hollow unit masonry shall be built to preserve the unobstructed vertical continuity of the cells to be filled. Face shells and cross webs forming such cells to be filled shall be full-bedded in mortar to prevent leakage of the grout. All head (or end) joints shall be solidly filled with mortar for a distance in from the face of the wall or unit not less than the thickness of the longitudinal face shells. Bond shall be provided by lapping units in successive vertical courses or by equivalent mechanical anchorage.
7. Vertical cells to be filled shall have vertical alignment sufficient to maintain a clear, unobstructed, continuous vertical cell measuring not less than 3 inches and having a clear area of 10 square inches.
8. Vertical reinforcement shall be held in position at top and bottom and at intervals not exceeding 192 diameters of the reinforcement or 10 feet.
9. All cells containing reinforcement shall be filled solidly with grout. All grout shall be consolidated at time of pouring by vibrating and then reconsolidated again, about 5 minutes later, by mechanical vibration after settlement has occurred, but before plasticity is lost.
10. When the grouting is stopped for one hour or longer, horizontal construction joints shall be formed by stopping the pour of grout not less than 1 inch or more than 2 inches below the top of the uppermost unit grouted.
11. The threshold inspector shall be given a minimum of 24 hours notice prior to each reinforced block grouting operation.
12. Provide adequate bracing for all masonry walls during construction and until lateral supports and diaphragms have been attached and grout has attained the specified design strength.
13. Lap splices shall be as follows:

Bar Size	#3	#4	#5	#6	#7	#8
Lap Length (inches)	18	24	30	36	42	48

14. Horizontal Reinforcing: Place 2-#4 in minimum 8" deep solid grouted continuous bond beam at (elevated floors and) roof-line. 2-#4 in minimum 8" deep solid grouted continuous bond beam at top of parapet or top of a freestanding wall. Place these bars continuous thru control joints per typical detail. Provide bent bars per typical details, to match horizontal bond beam reinforcing, at corners and wall intersections, in order to maintain bond beam continuity. Lap splices shall conform to the lap splice schedule. Stagger splices a minimum 48 bar diameters. Do not splice bars within 8'-0" of control joints. Place standard weight (no. 9 gage wire) ladder type joint reinforcement at 16" O.C. in all masonry walls.
15. All cells below grade or which come into contact with soil shall be solid grouted.

Construction Documentation

1. Submittals. Review of submittals is for general conformance with the structural drawings and project specifications, not for dimension control. The Engineer shall be entitled to rely on the accuracy and completeness of information provided by the contractor, the Architect, or other third party. All materials and systems shall be installed in accordance with the structural plans, project specifications, and manufacturer's installation instructions.
2. Site visits. The purpose of site visits is to observe and become generally familiar with the quality and progress of the construction work. Site visits are not intended as detailed inspections. The Engineer makes no warranty or guarantee about work observed during a site visit. Site visits may be conducted by a registered engineer or by other qualified personnel.
3. Field Inspections.
   a. An approved agency or individual shall inspect wall framing, shear wall, trusses, decking, materials and connections.
   b. Inspections are generally conducted by qualified inspectors, representing either the Engineer or a third party. Inspections are to verify materials installation is in substantial conformance with the structural plans and specifications or to verify actual field conditions as the basis for field changes or repairs. The inspection is meant to be representative of the construction and is not meant to ensure or imply complete compliance.
   c. A copy of the inspection form will generally be left on site, reflecting the items inspected and discrepancies noted; no other observations are to be implied or inferred. Inspections do not relieve the contractor of the responsibility to comply with the plans, contract documents, or other applicable requirements.
4. Revisions, repairs and field changes are authorized only when in writing, signed and sealed by a professional engineer with this office. When so issued, they become incorporated into the plans and contract documents.

Special Inspections:

1. As per Section 1704 of IBC (latest edition), special inspections are required unless warranted by conditions in the jurisdiction as approved by the Building Official. It is the owner's sole responsibility to determine the requirement of special inspections. If special inspections or testing is deemed necessary by the Building Official, this office shall be contacted and a Statement of Special Inspection will be prepared for submittal in accordance with Section 1704.2.3 of the IBC.
2. If required by the Building Official, The Statement of Special Inspection will include a comprehensive outline of the items requiring special inspection, as well as items requiring special inspections for seismic resistance and materials requiring structural testing for seismic resistance
3. If special inspections or testing is deemed necessary by the Building Official, the owner will hire an approved agency to perform inspections prior to construction. The agency shall be independent and have the necessary equipment and personnel to perform the Special Inspections.

STRAND

10003 Technology Blvd. West
Dallas, Tx. 75220
972-620-8204

CHAD A. KONGER
23505
06-23-2023

REVIEWED -
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:01 PM
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Inits	REV	DATE	ISSUE

Client

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Architect

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Travel Center
Tucumcari, NM

Foundation
General Structural Notes

DATE 06/23/2023
SCALE
DR'N N.M.
CODE

GSN-F

STRAND M23086

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STATEMENT OF SPECIAL INSPECTIONS (IBC 2015)

Special Inspections may be required by local code or building official. Below is an excerpt from the IBC showing typical inspections. Actual required special inspections and their frequency should be confirmed prior to construction. This office takes no responsibility for inspections not conducted by a representative of this firm.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION
TABLE 1705.3

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD[a]	IBC REFERENCE
1. Inspection of reinforcing steel, including prestressing tendons, and verify placement.	---	X	ACI 318 Ch. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
2. Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A 706; b. Inspect single-pass fillet welds, maximum 5/16"; and c. Inspect all other welds	 --- X	 X X 	AWS D1.4 ACI 318: 26.5.4	---
3. Inspect anchors cast in concrete	---	X	ACI 318: 17.8.2	---
4. Inspection of anchors post-installed in hardened concrete members[b] a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads b. Mechanical anchors and adhesive anchors not defined in 4a	 X 	 X	 ACI 318: 17.8.2.4 ACI 318: 17.8.2	---
5. Verifying use of required design mix.	---	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	---	ASTM C 172, ASTM C 31, ACI 318: 26.4.5, 26.12	1908.10
7. Inspect concrete and shotcrete placement for proper application techniques.	X	---	ACI 318: 26.4.5	1908.6, 1908.7 1908.8
8. Verify maintenance of specified curing temperature and techniques.	---	X	ACI 318: 26.4.7-26.4.9	1908.9
9. Inspection of prestressed concrete: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons.	 X X	---	ACI 318: 26.9.2.1 ACI 318: 26.9.2.3	---
10. Erection of precast concrete members.	---	X	ACI 318: CH. 26.8	---
11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	---	X	ACI 318: 26.10.2	---
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	---	X	ACI 318: 26.10.1(b)	---

For SI: 1 INCH = 25.4 mm.

a. Where applicable, see also Section 1705.12, Special inspection for seismic resistance.

b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS
TABLE 1705.6

VERIFICATION AND INSPECTION	CONTINUOUS DURING TASKS LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X
2. Verify excavations are extended to proper depth and have reached proper material.	---	X
3. Perform classification and testing of compacted fill materials.	---	X
4. Verify use of proper materials, densities and lift thickness during placement and compaction of compacted fill.	X	---
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	---	X

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE
SECTION 1705.12

Special inspections for structural steel, structural wood, cold-formed light-frame construction, designated seismic systems, architectural components, mechanical and electrical components, storage racks, and seismic isolation systems are required for the following:

- Structural steel seismic force-resisting systems in structures assigned to Seismic Design Category B,C,D,E or F in accordance with Section 1705.12.1.1. All other structural steel in Seismic Design Category C,D,E or F in accordance with Section 1705.12.1.2
- Structural wood seismic force-resisting systems in structures assigned to Seismic Design Category C,D,E or F in accordance with Section 1705.12.2
- Cold-formed steel light-frame construction seismic force-resisting systems in structures assigned to Seismic Design Category C,D,E or F in accordance with Section 1705.12.3
- Designated seismic systems in structures assigned to Seismic Design Category C,D,E or F in accordance with Section 1705,12.4
- Architectural, mechanical and electrical components in accordance with Section 1705.11.5 and 1705.11.6.
- Storage racks in structures assigned to Seismic Design Category D,E or F in accordance with Section 1705.12.7.
- Seismic isolation systems in accordance with Section 1705.12.8.
- Cold-formed steel special bolted moment frames in the seismic force-resisting systems in structures assigned to Seismic Design Category D,E or F

Refer to each section for exceptions where special inspections are not required.

TESTING AND QUALIFICAITON FOR SEISMIC RESISTANCE
SECTION 1705.13

Testing and qualifications for structural steel, nonstructural components, designated seismic systems, and seismic isolation systmes are required as follows:

- Non-destructive testing of seismic force-resisting systems and structural steel elements in structures assigned to Seismic Design Category B,C,D,E or F shall meet the requirements of Sections 1705.13.1 and 1705.13.2, as applicable.
- Nonstructural components in structures assigned to Seismic Design Category B,C,D,E, or F and subject to the certification requirements of ASCE 7 Section 13.2.1 shall comply with Section 1705.13.3.
- Designated seismic systems in structures assigned to Seismic Design Category C,D,E, or F and subject to the certification requirements of ASCE 7 Section 13.2.2 shall comply with Section 1705.13.3.
- The seismic isolation system in seismically isolated structures assigned to Seismic Design Category B,C,D,E, or F shall tested in accordance with of ASCE 7 Section 17.8.

Refer to each section for exceptions where special inspections are not required.

Special Structural Inspections:

1. Special inspections shall be conducted per Section 1705 of the International Building Code (IBC), in addition to any inspections required per Section 110, local code and accepted practice, these plans, or other contract documents. As a design professional, this office is only responsible for the portions of the project covered by these plans. Other portions of the project remain the responsibility of other design professionals.
2. Unless otherwise required by the building official, a statement of special inspections is not required for structures designed and constructed in accordance with the conventional construction provisions of Section 2308. Further, unless required by the building official, special inspections are not required for occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy building.
3. The Owner is responsible for employing one or more special inspectors to perform inspections during construction, based on the requirements of one or more design professionals.
4. The General Contractor is responsible for scheduling all inspections and special inspections in a timely manner. All items to be inspected shall be accessible and visible to the inspector. The Contractor shall provide safe access to the job site and items to be inspected. Safe access includes, but is not limited to, ladders, scaffolding, and/or contractor operated lifts as required for safe observation.
5. All inspectors and special inspectors shall be qualified for the work that they inspect and shall be familiar with the design and construction of the project. It is recommended that all inspectors operate under the supervision of a state licensed engineer.
6. All discrepancies noted during inspections shall be brought to the immediate attention of the contractor. If left uncorrected, these discrepancies shall be brought to the attention of the appropriate design professionals and/or the building official. The inspector is not authorized to approve deviations from the design drawings or specifications.
7. All inspectors and special inspectors shall furnish inspection reports to the appropriate design professional, the building official, and other designated persons on a regular basis. The special inspector shall submit a final signed report to the design professionals stating whether the work requiring special inspections was, to the best of the inspector's knowledge, in conformance with the approved plans, specifications, and other contract documents, as well as the applicable workmanship provisions of the building code.
8. Any other issues regarding inspection requirements should be brought to the attention of the appropriate design professional prior to the start of construction.
9. Materials testing: Any materials testing required in these documents shall be provided by an independent testing agency licensed and experienced in testing according to ASTM or other approved and recognized standards. The testing agency shall provide written reports to the contractor, engineer of record, architects, and owner within one week of completion of tests. Any failures or deficiencies discovered during testing shall be brought to the immediate attention of the contractor and shall be clearly noted on the testing report.

STRAND
10003 Technology Blvd. West
Dallas, Tx. 75220
972-620-8204

CHAD A. KONGER
NEW MEXICO
23505
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REVIEWED - GENERAL BUILDING
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REV

Client
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3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Architect
MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Travel Center
Tucumcari, NM
Statement of Special Inspections

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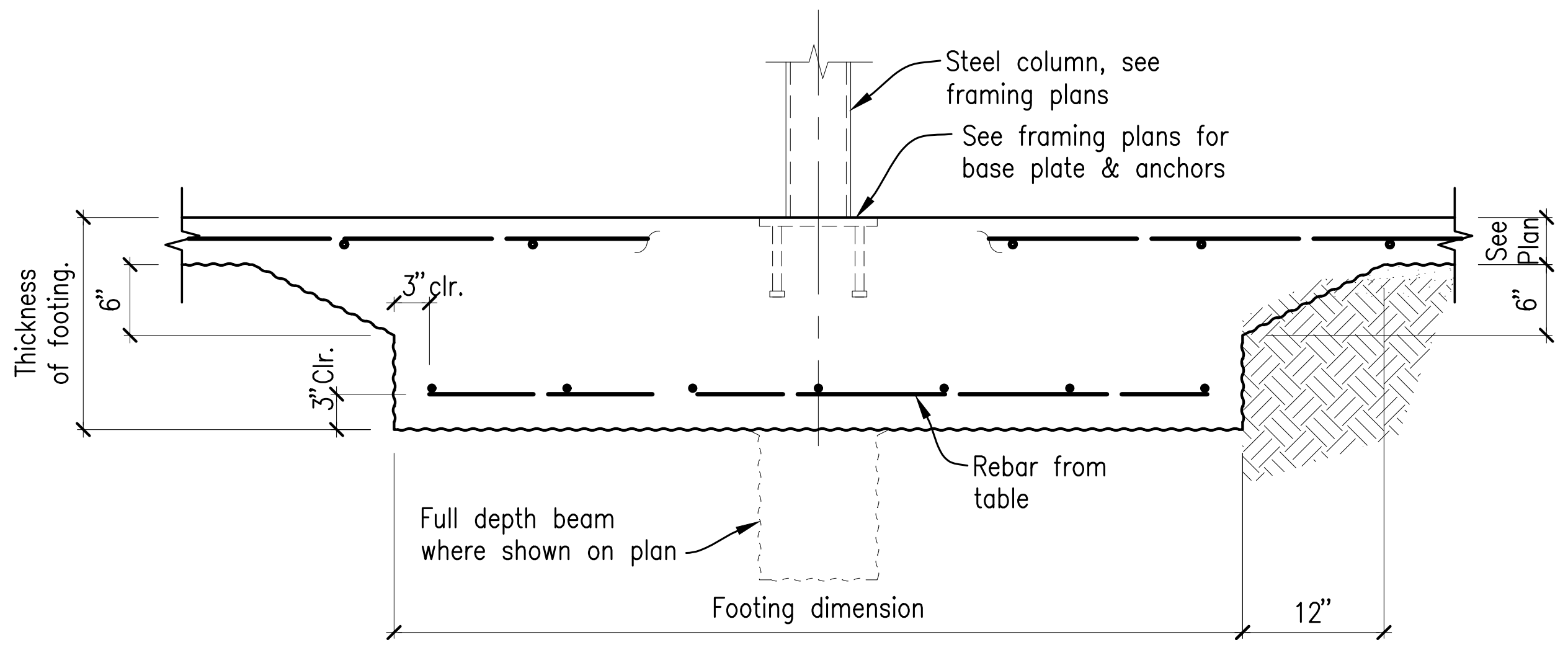
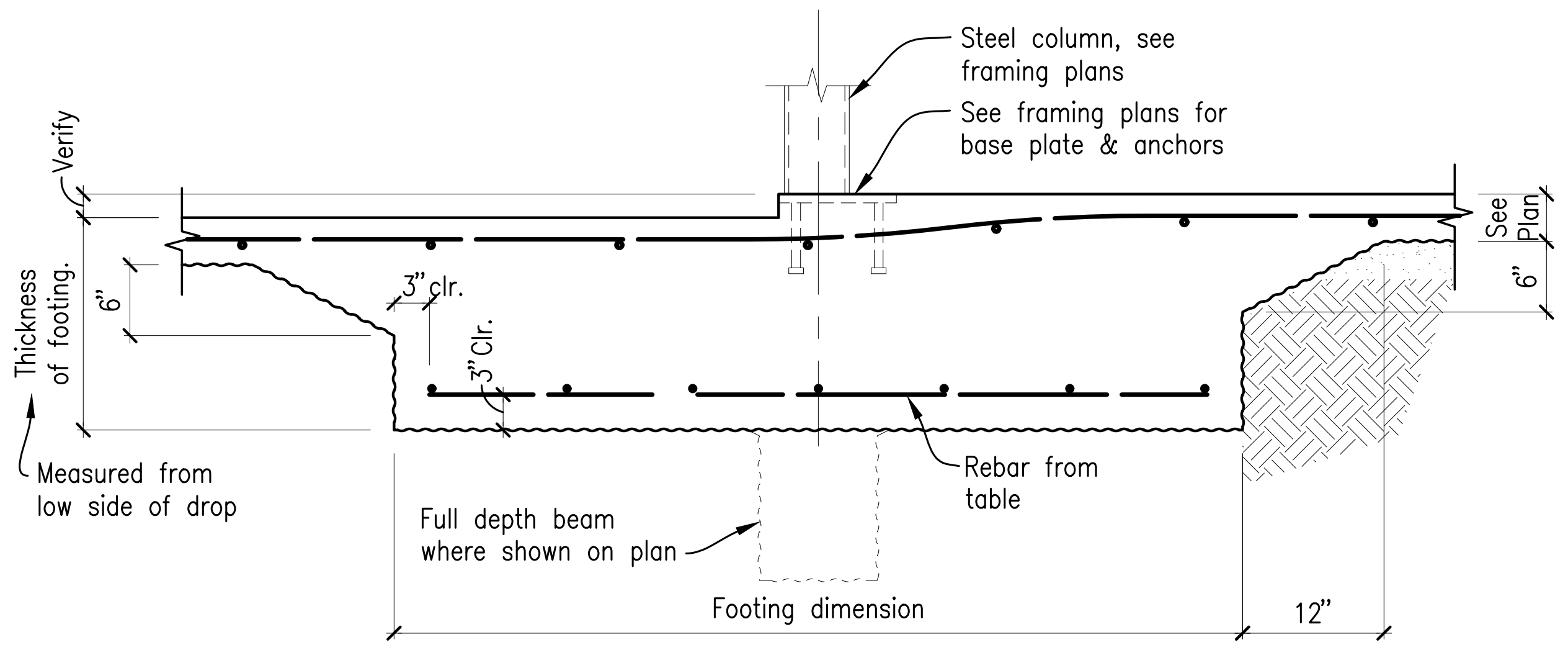
Footing Schedule			
Footing Designation	Footing Square Dimension	Thickness of Footing	Bottom Rebar Each Way
F3.0\P3.0	3'-0"	13"	5-#4
F3.5\P3.5	3'-6"	13"	5-#4
F4.0\P4.0	4'-0"	13"	6-#4
F4.5\P4.5	4'-6"	13"	7-#4
F50\P5.0	5'-0"	13"	8-#4
F5.5\P5.5	5'-6"	14"	6-#5
F6.0\P6.0	6'-0"	15"	7-#5
F6.5\P6.5	6'-6"	16"	8-#5
P17.0X8.0	17'-0"X8'-0"	19"	See plan
P22.0X8.0	22'-0"X8'-0"	19"	See plan
P24.0X8.0	24'-0"X8'-0"	19"	See plan
P25.0X8.0	25'-0"X8'-0"	19"	See plan
P25.0X9.0	25'-0"X9'-0"	21"	See plan

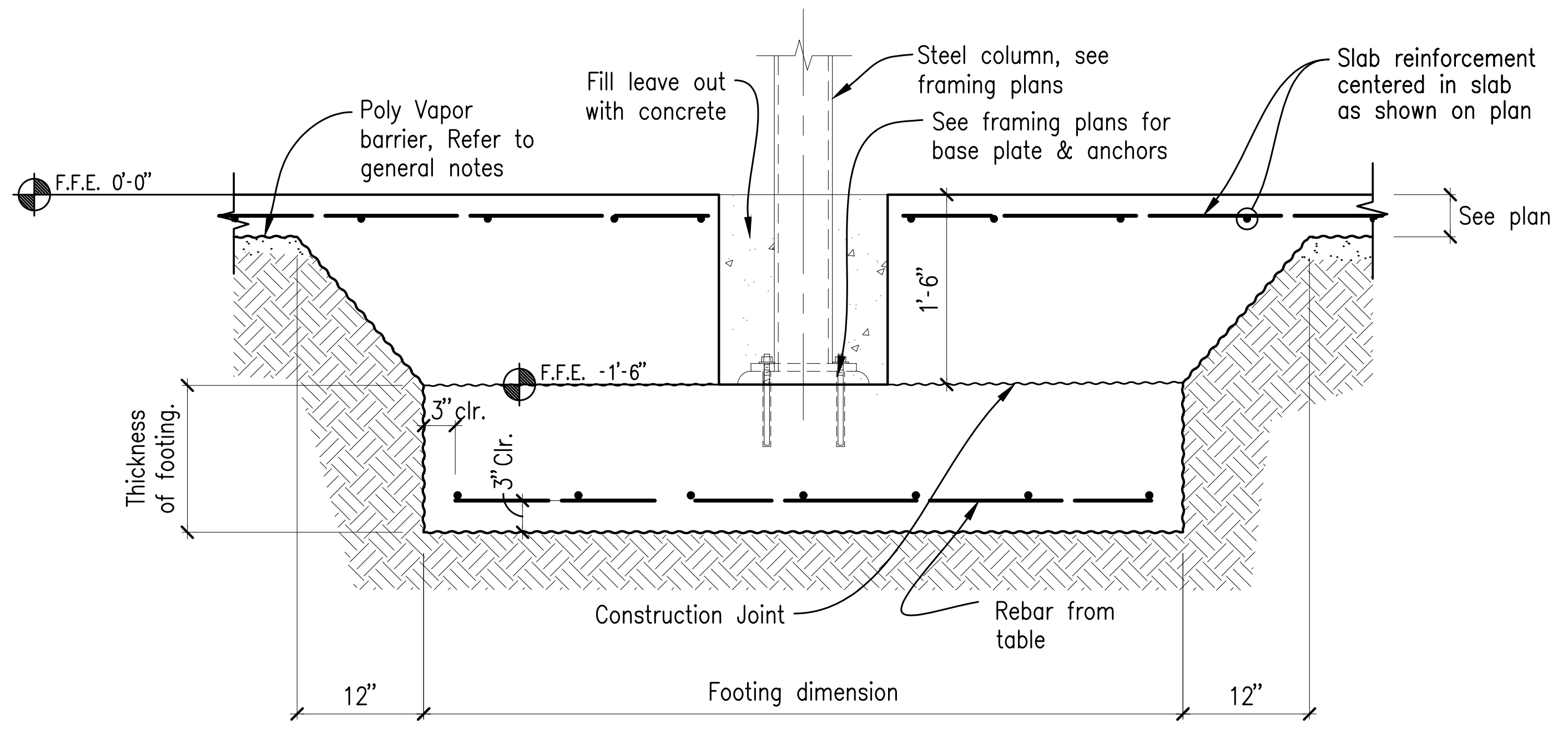
1) Thicken footings as required to provide a minimum of 3" clearance between anchor bolts and bottom of footing.


Steel column, see framing plans
See framing plans for base plate & anchors
Thickness of footing.
6"
3" clr.
3" Clr.
See Plan
6"
Rebar from table
Full depth beam where shown on plan
Footing dimension
12"

For Steel Column


Steel column, see framing plans
See framing plans for base plate & anchors
Verify
Thickness of footing.
6"
3" clr.
3" Clr.
See Plan
6"
Measured from low side of drop
Rebar from table
Full depth beam where shown on plan
Footing dimension
12"

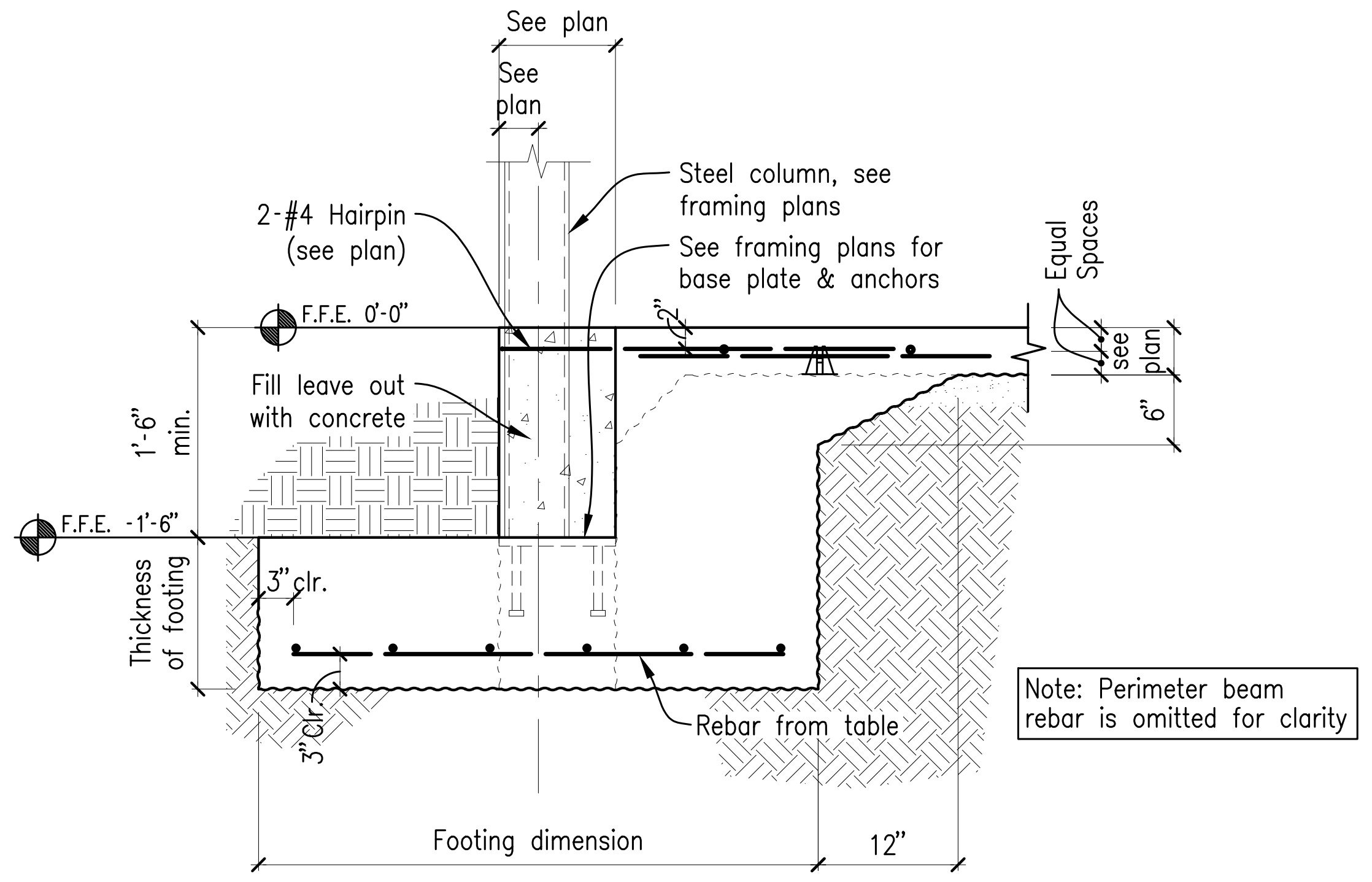
For Steel Column @ Drop


Poly Vapor barrier, Refer to general notes
Fill leave out with concrete
Steel column, see framing plans
See framing plans for base plate & anchors
Slab reinforcement centered in slab as shown on plan
See plan
F.F.E. 0'-0"
F.F.E. -1'-6"
1'-6"
Thickness of footing.
3" clr.
3" Clr.
Construction Joint
Rebar from table
12"
Footing dimension
12"

For Steel Column

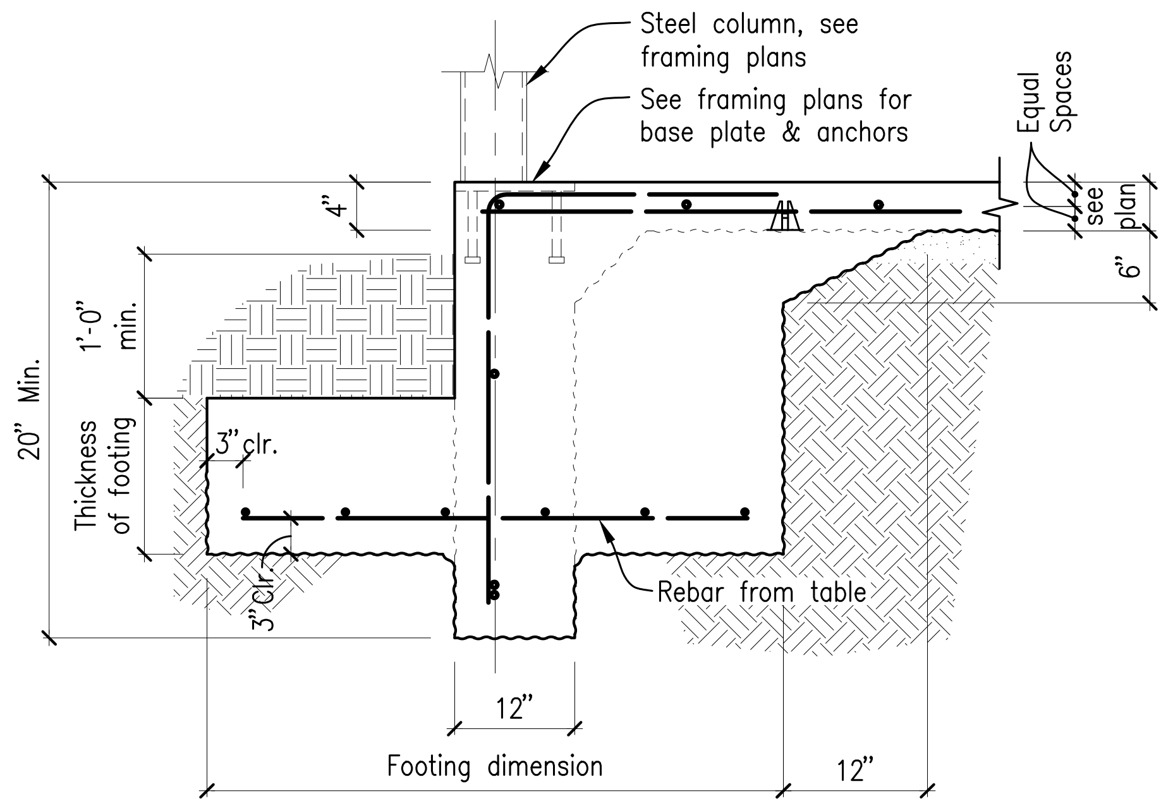
"F" Type Monolithic Footing

CF Typical Monolithic Column Footings



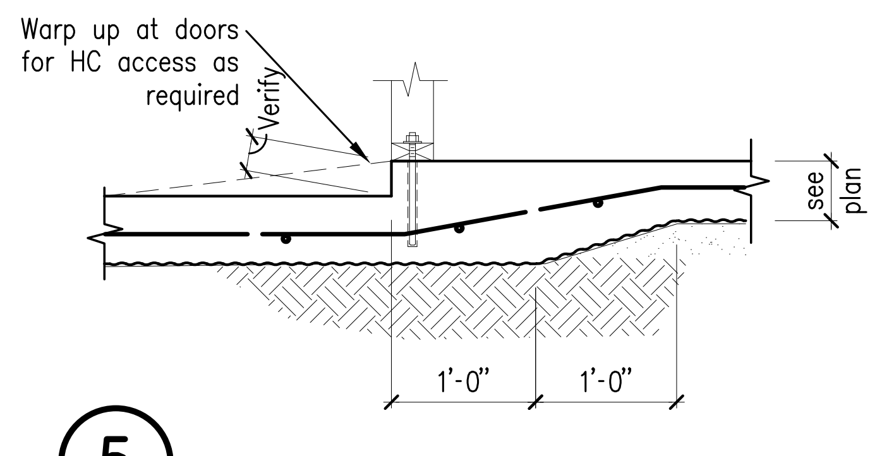
⑨ For Steel Column @ braced frame location

Note: See Column Footing Schedule on sheet FD-0.1 for size and reinforcing.

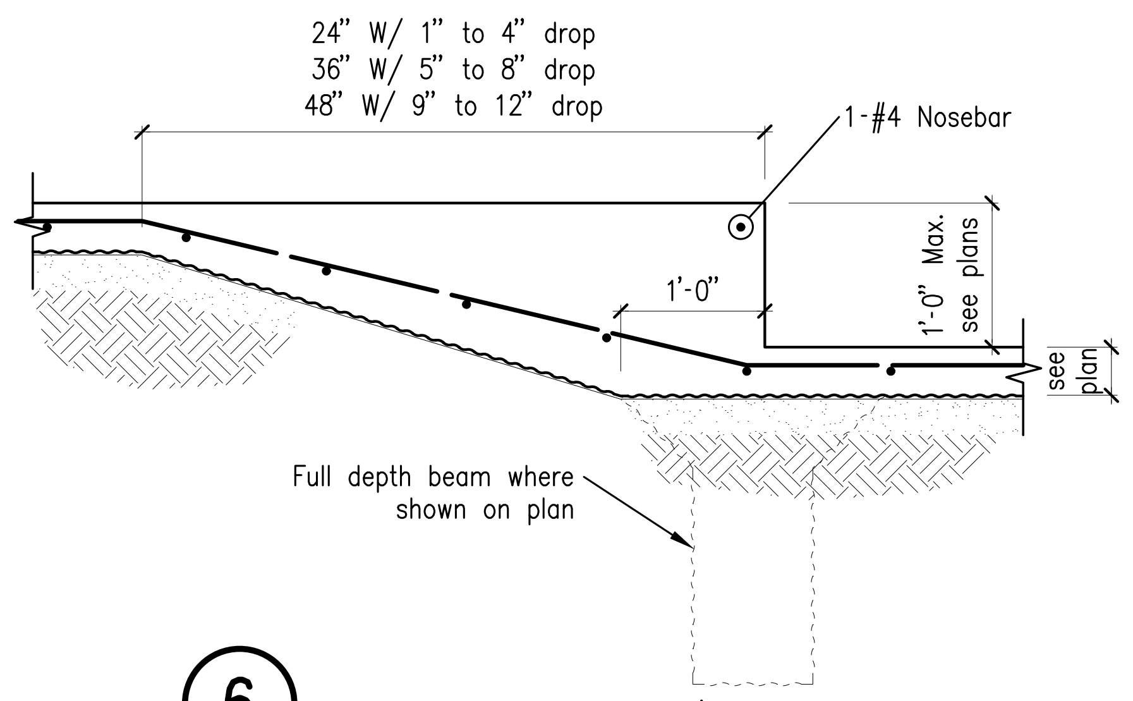


For Steel Column @ Perimeter

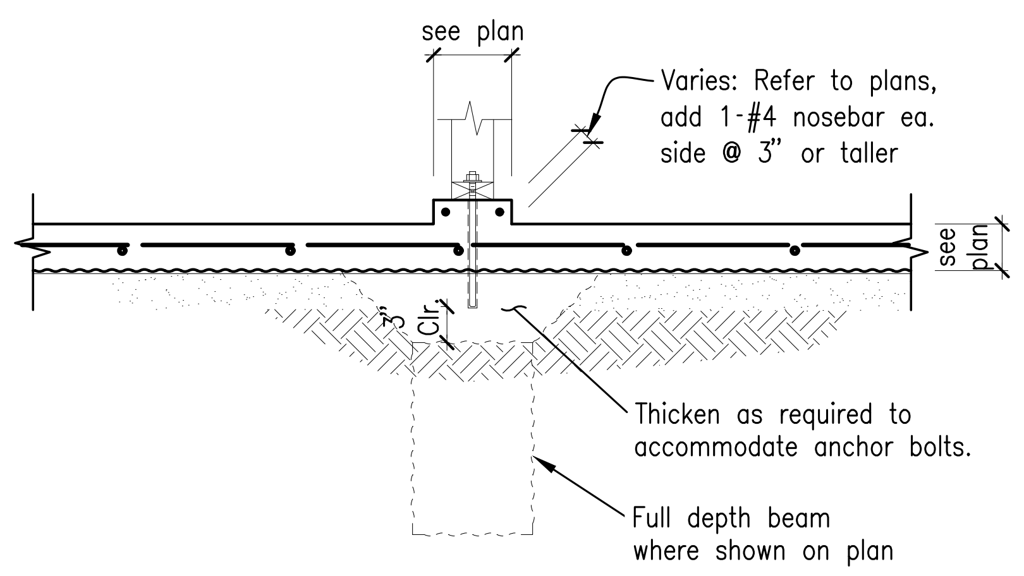
"P" Type Monolithic Footing



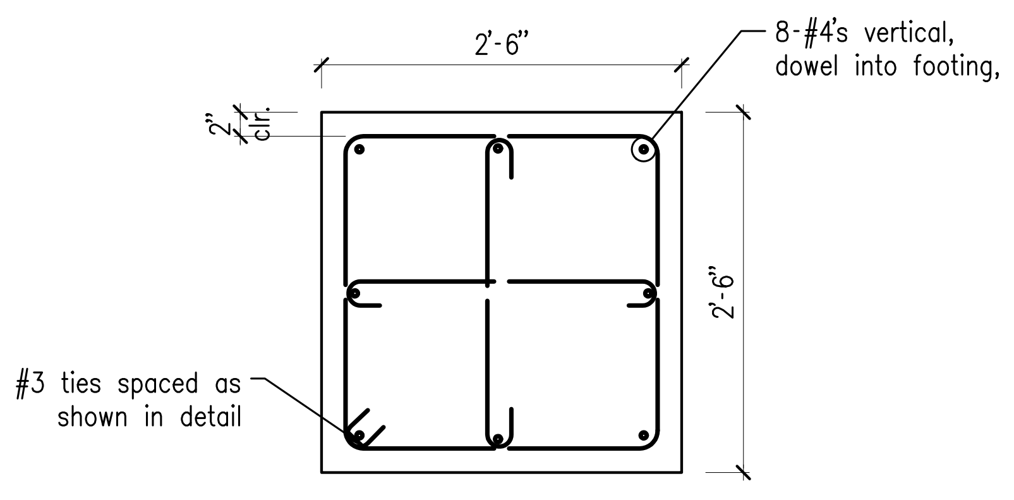
⑤ Section at Drop



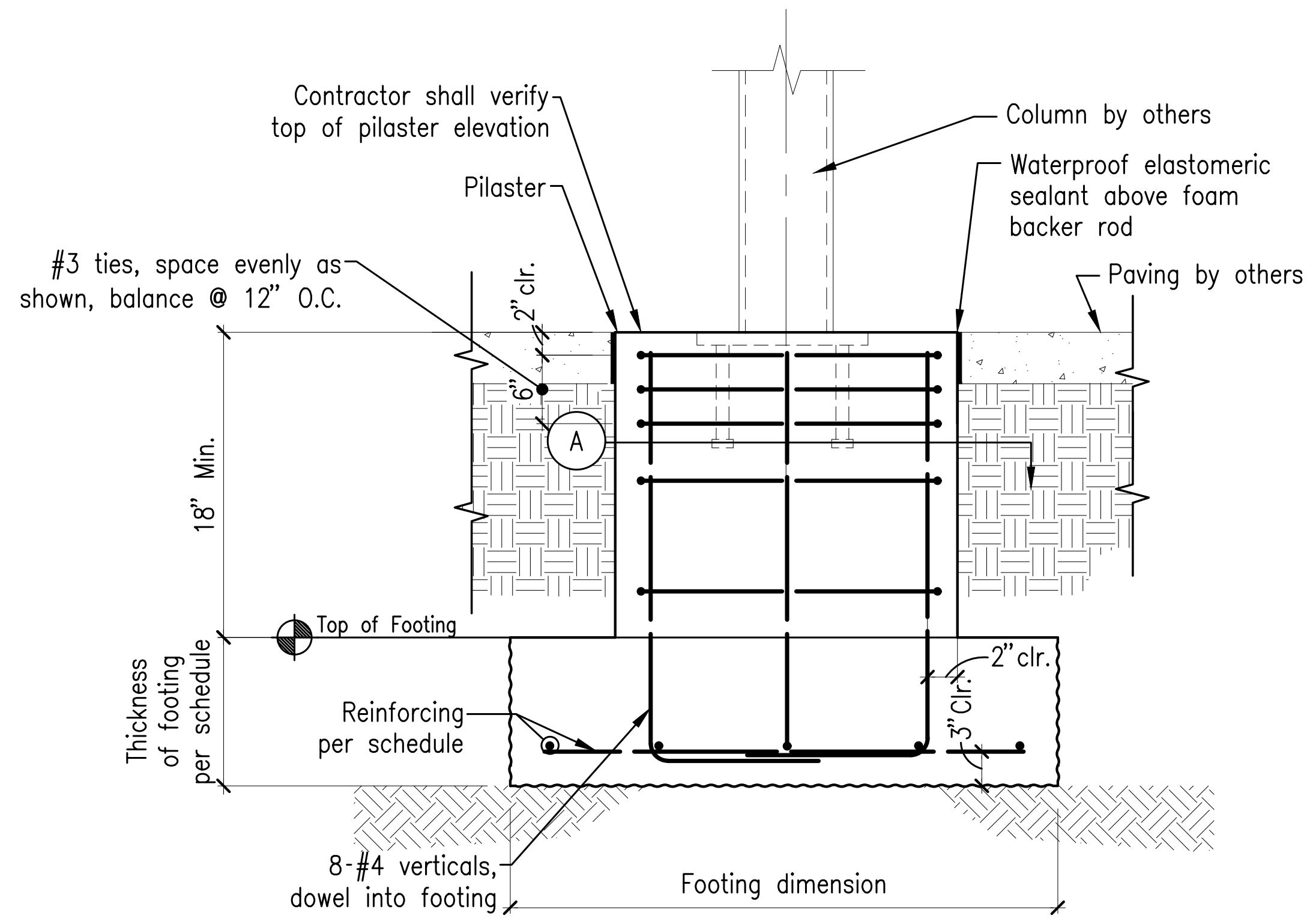
⑥ Slab Drop at cooler/freezer


see plan
Varies: Refer to plans, add 1-#4 nosebar ea. side @ 3" or taller
see plan
3" Clr.
Thicken as required to accommodate anchor bolts.
Full depth beam where shown on plan

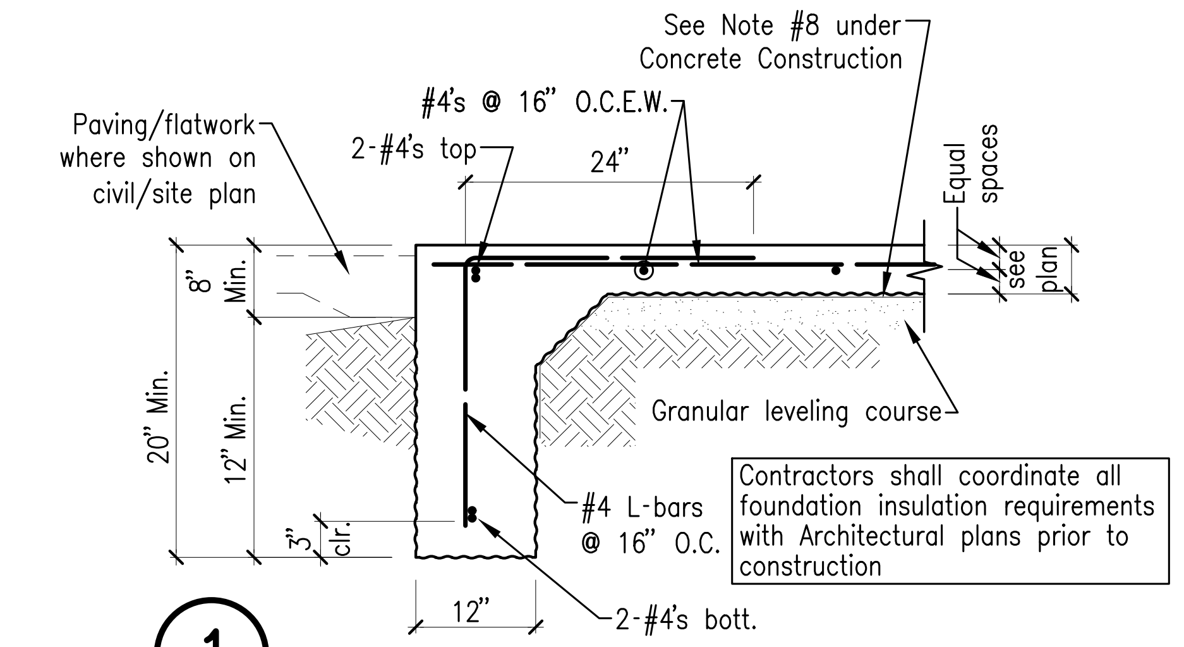
⑦ Section @ Curb (Non-Load Bearing)


2'-6"
8-#4's vertical, dowel into footing,
2" clr.
2'-6"
#3 ties spaced as shown in detail

Ⓐ Section

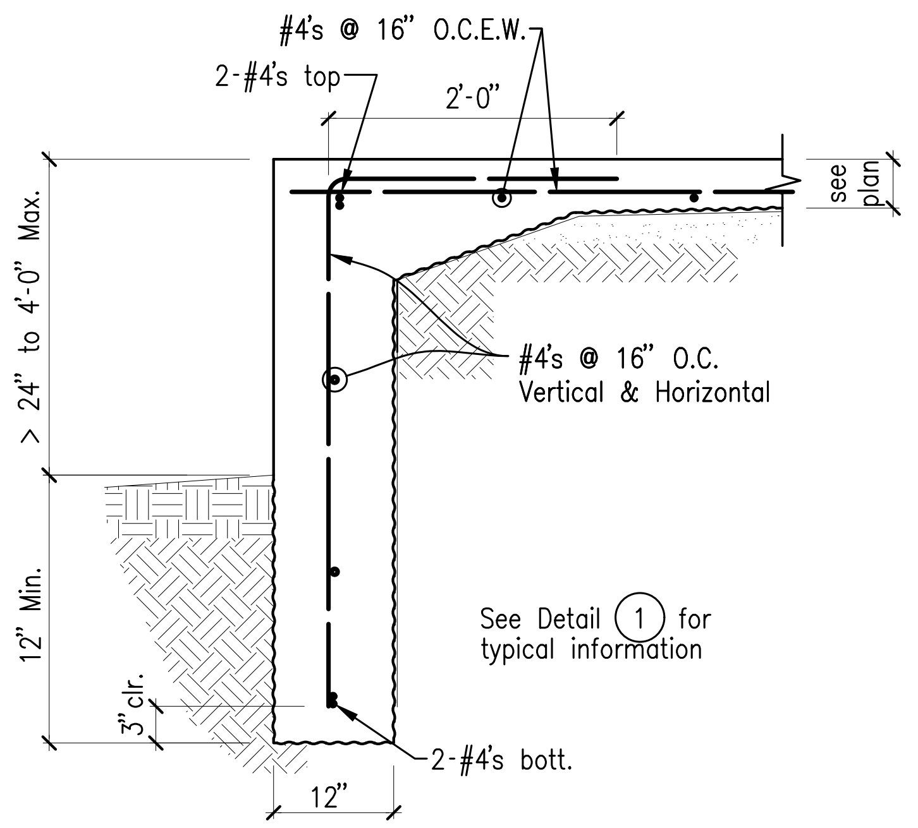

Contractor shall verify top of pilaster elevation
Column by others
Waterproof elastomeric sealant above foam backer rod
Pilaster
#3 ties, space evenly as shown, balance @ 12" O.C.
Paving by others
2" clr.
6"
A
18" Min.
Top of Footing
2" clr.
3" Clr.
Thickness of footing per schedule
Reinforcing per schedule
8-#4 verticals, dowel into footing
Footing dimension

⑧ Exterior Column Footing



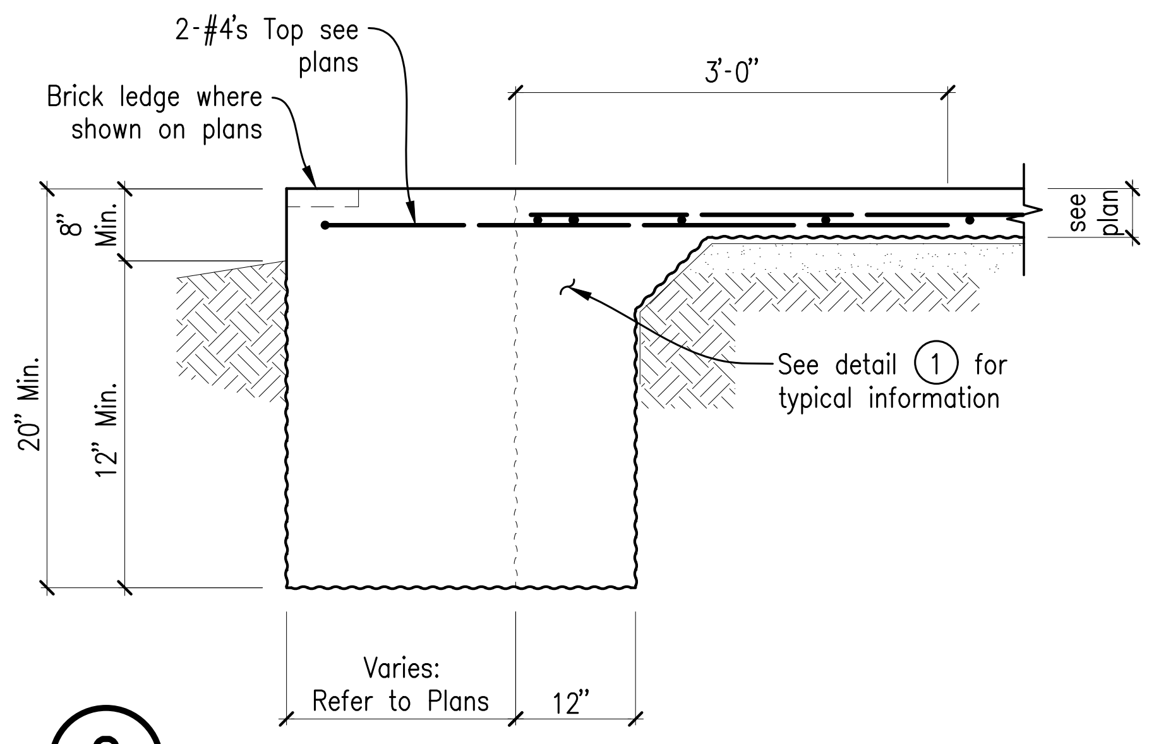
Contractors shall coordinate all foundation insulation requirements with Architectural plans prior to construction

① Typical Perimeter Beam

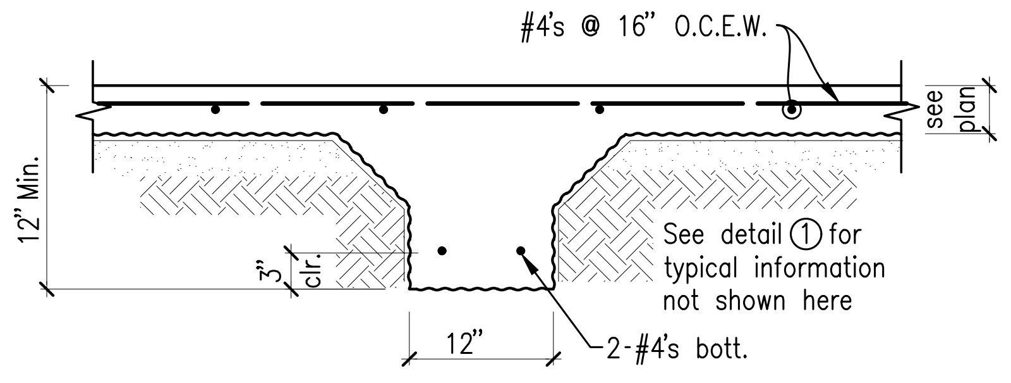


① Deepened Perimeter Beam

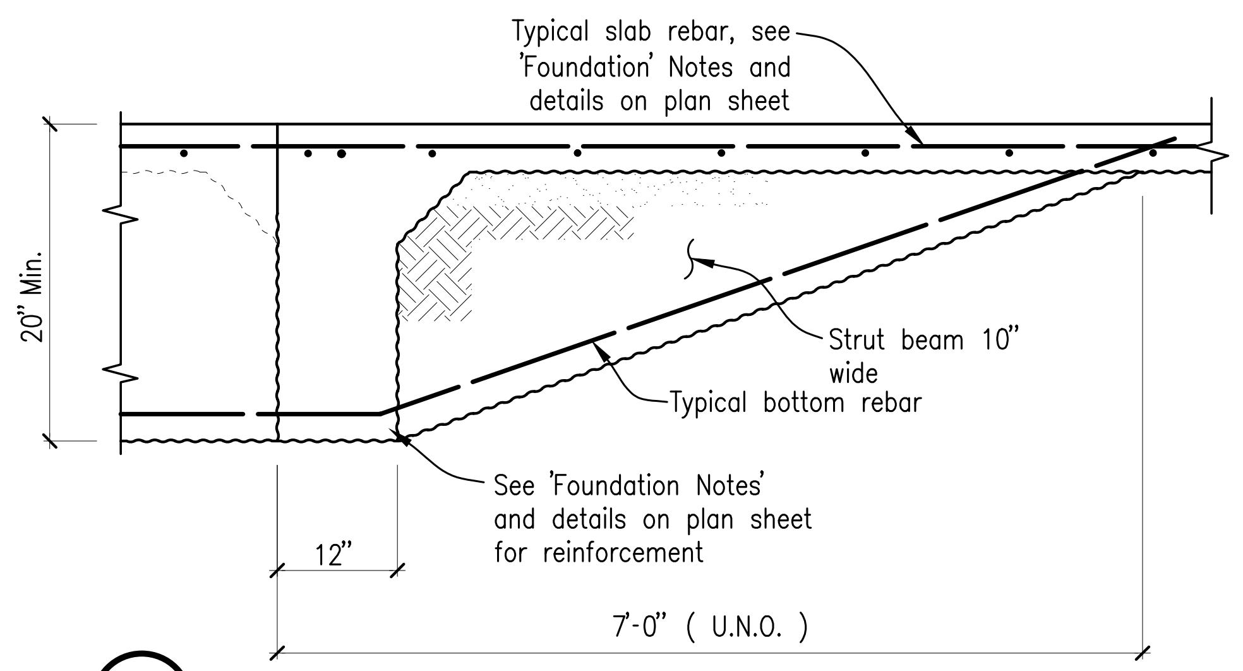
To be used as site conditions require



② Typical Widened Perimeter Beam



③ Typical Interior Beam


Typical slab rebar, see 'Foundation' Notes and details on plan sheet
20" Min.
Strut beam 10" wide
Typical bottom rebar
See 'Foundation Notes' and details on plan sheet for reinforcement
12"
7'-0" (U.N.O.)

④ Typical Strut Beam Elevation

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10003 Technology Blvd. West
Dallas, Tx. 75220
972-620-8204

CHAD A. KONGER
NEW MEXICO
23505
06-23-2023
REGISTERED PROFESSIONAL ENGINEER

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Chris Archuleta
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Client

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Architect

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Travel Center
Tucumcari, NM

Foundation
Typical Details

DATE 06/23/2023
SCALE 3/4" = 1'-0"
DR'N N.M.
CODE

FD-0.1

STRAND M23086

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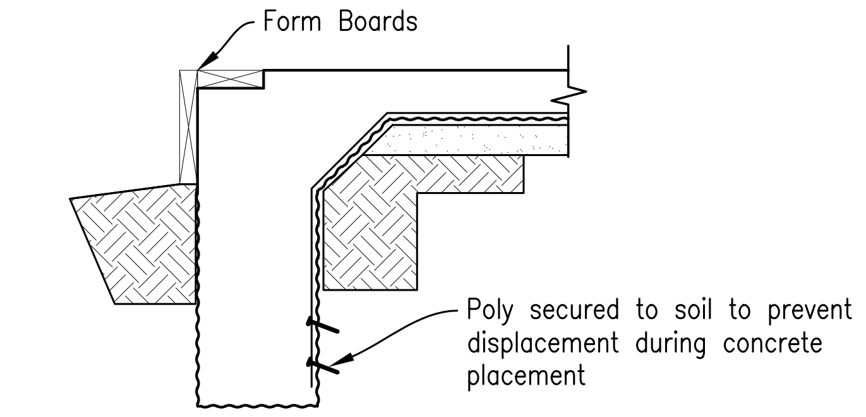
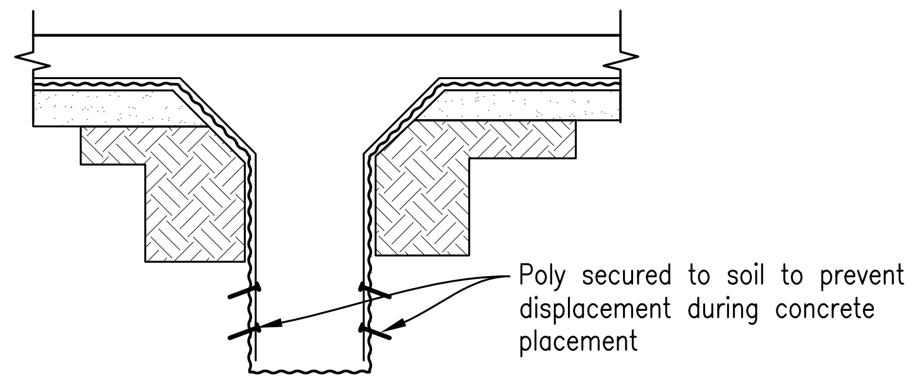
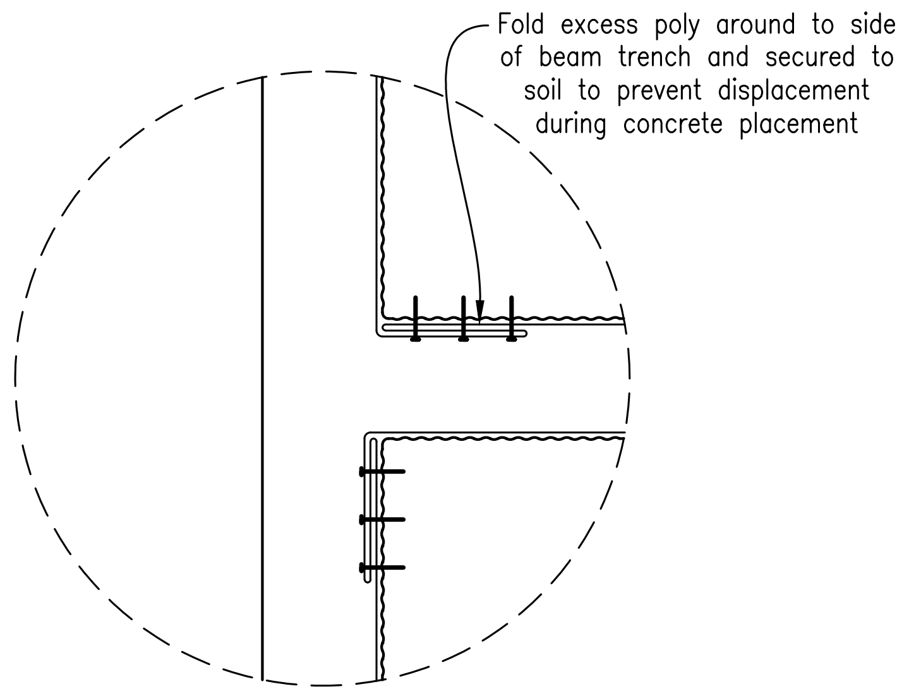

Form Boards
Poly secured to soil to prevent displacement during concrete placement

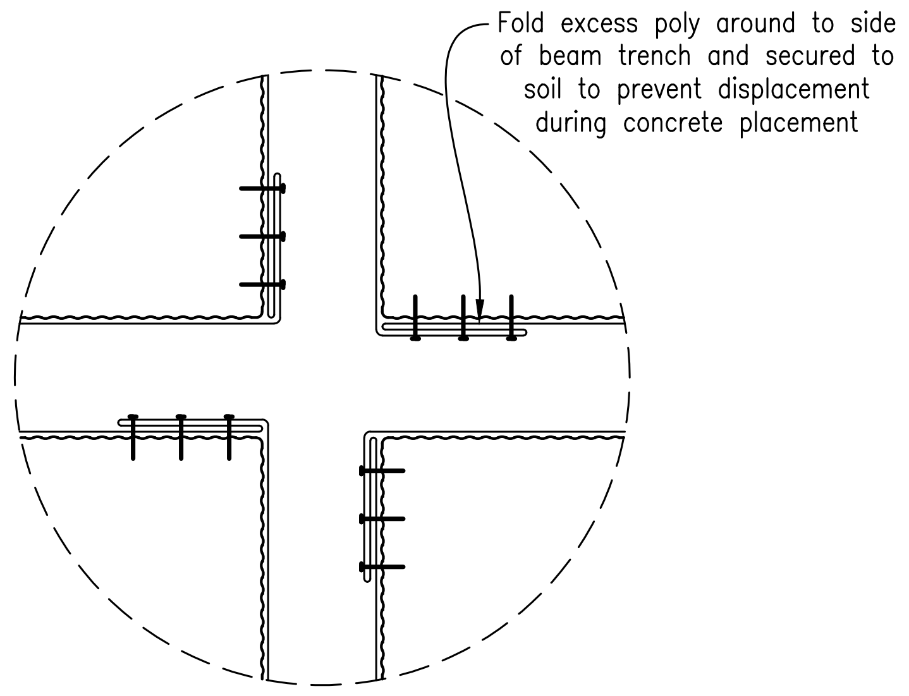
Poly Installation w/ Poly Cut Out of Bottom of Beams
Perimeter Grade Beam


Poly secured to soil to prevent displacement during concrete placement

Poly Installation w/ Poly Cut Out of Bottom of Beams
Interior Grade Beam


Fold excess poly around to side of beam trench and secured to soil to prevent displacement during concrete placement

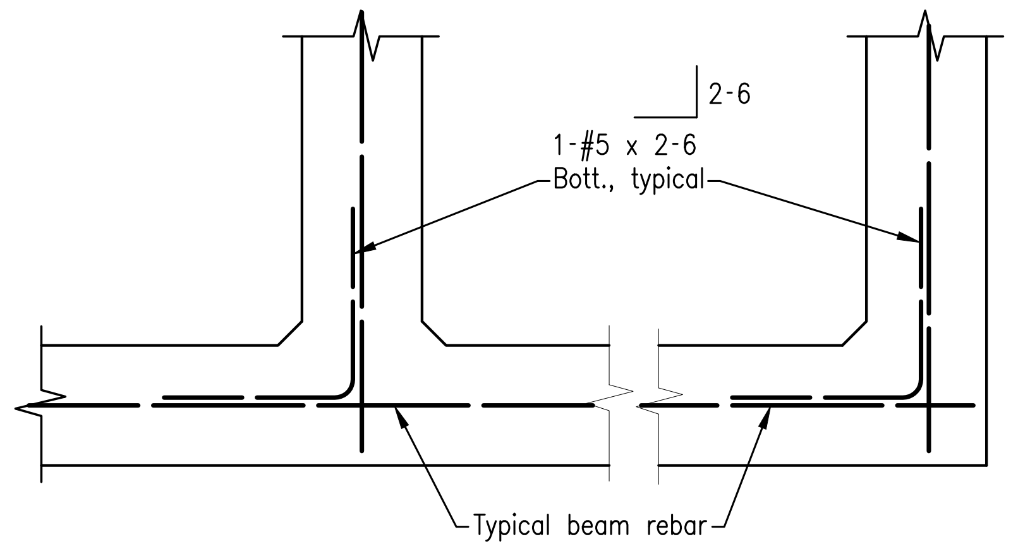
Plan View / Poly Installation at Beam Intersection
Perimeter Grade Beam


Fold excess poly around to side of beam trench and secured to soil to prevent displacement during concrete placement

Plan View / Poly Installation at Beam Intersection
Interior Grade Beam

Notes:
1) The slab shall be underlain by a vapor barrier/retarder in the living area (typically polyethylene, unless more stringent protection required by the architect, engineer, floor covering manufacturer, or accepted practice). Unless otherwise required, barrier may be omitted at garages, porches and patios without floor coverings. It is beyond the scope of these plans to determine the applicability of these more stringent requirements- builder shall verify prior to construction.
2) The vapor barrier shall extend into the beams, but may be cut back to expose the bottom of the trench unless otherwise required.

Typical Poly Installation Details

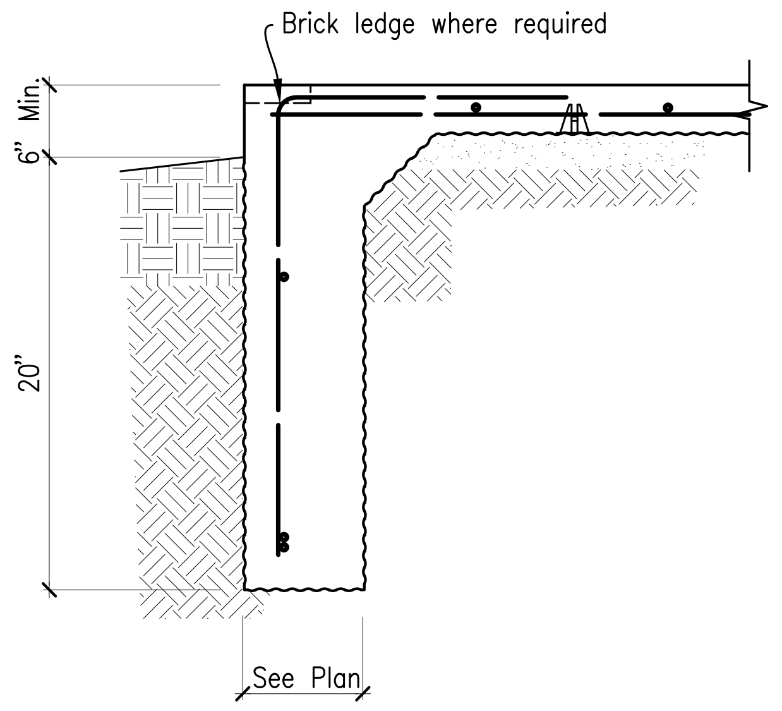


Typical Reinforcement at Grade Beam Corner
Single Layer of Reinforcement

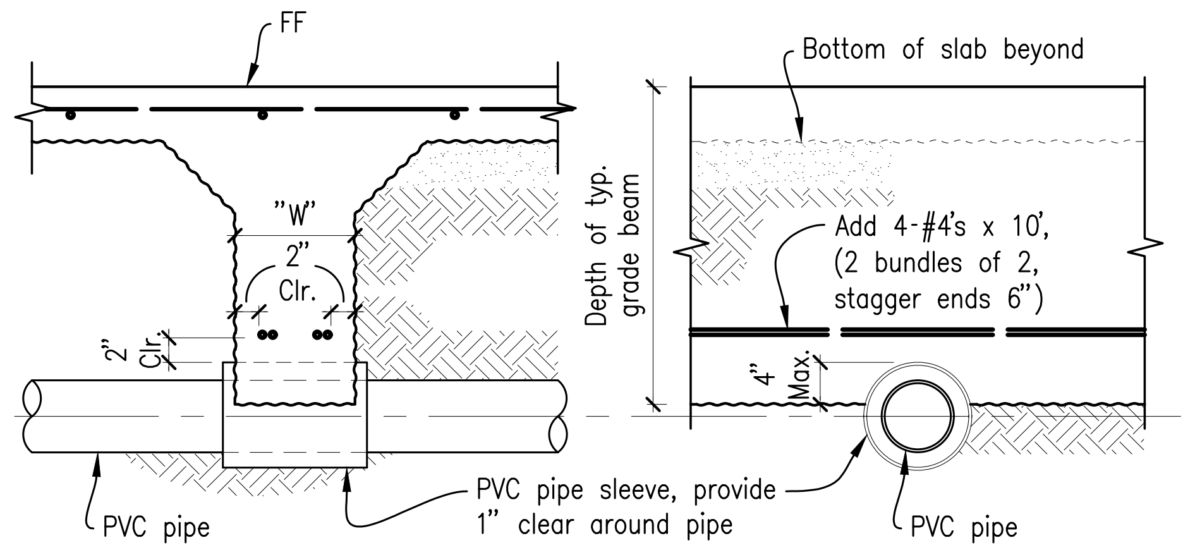
Tree Root Remediation

A) Inside the building pad:
Trees will be removed from within the building pad area. The roots of these trees cause dry zones in the soil. These dry zones are potential heave locations, which should be neutralized by applications of water prior to final grading. A suggestion is that the craters resulting from root-ball removal be filled with water containing surfactant and allowed to soak into the soil.

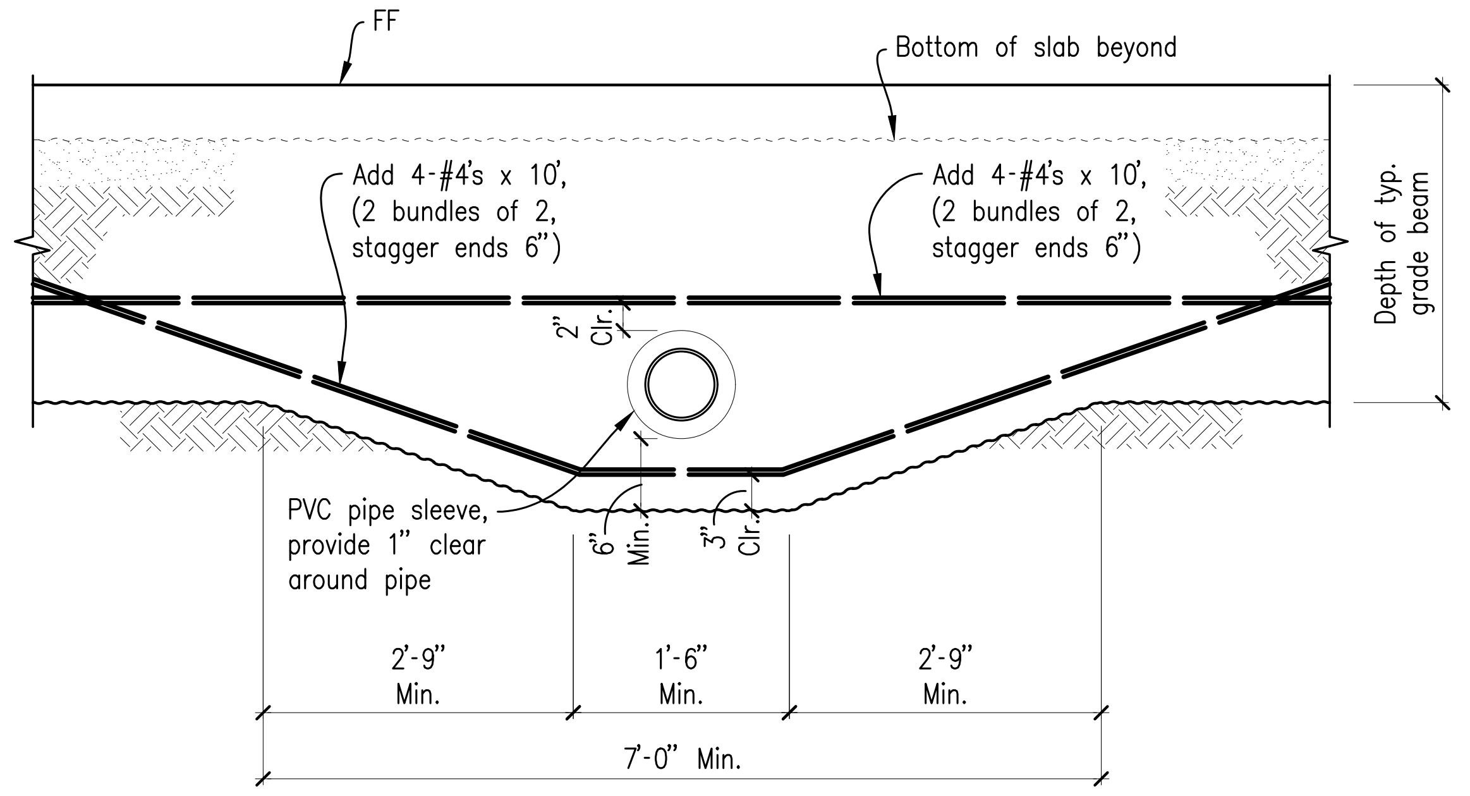
B) Outside the building pad:
Refer to adjacent detail. In the case of trees which are large, or will grow to be large, and are within 15 feet of the edge of the foundation, provide a root barrier by hand excavating the perimeter grade beam to a depth of 36 inches below grade for a distance of 10.0 feet on either side of the point nearest the tree, or a distance of 20 feet total for each tree. This distance may need to be greater for trees which are very large or very close to the foundation. If roots are encountered, they must be cut.



Perimeter Root Barrier

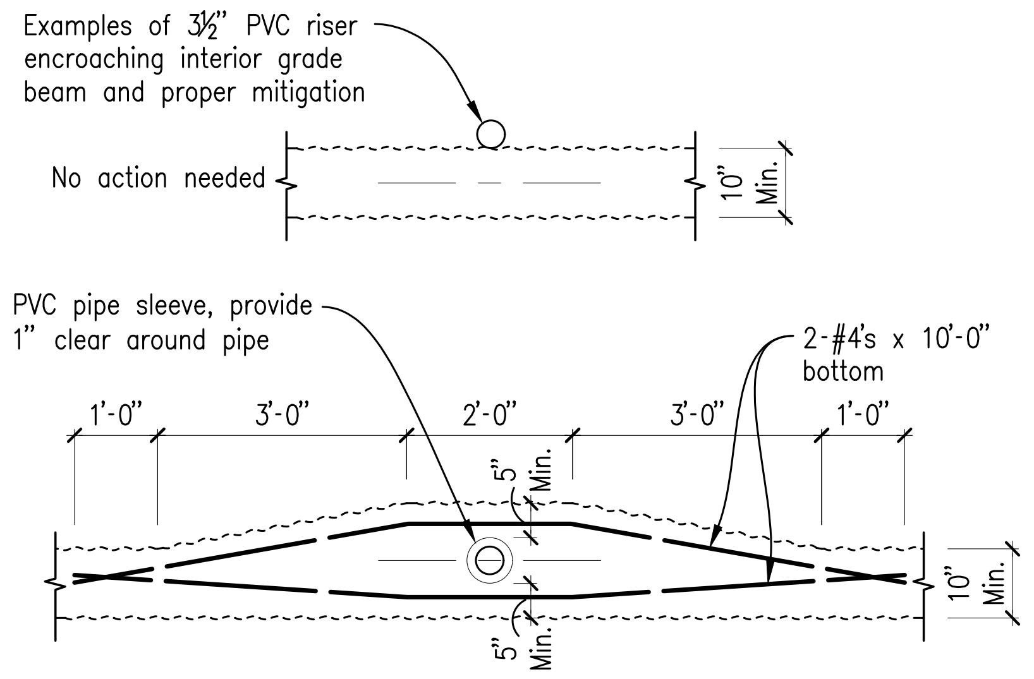

FF
"W"
2" Clr.
2" Clr.
PVC pipe
PVC pipe sleeve, provide 1" clear around pipe
Bottom of slab beyond
Depth of typ. grade beam
Add 4-#4's x 10', (2 bundles of 2, stagger ends 6")
4" Max.
PVC pipe

PVC Pipe Detail @ Grade Beam, Partial Penetration


FF
Bottom of slab beyond
Add 4-#4's x 10', (2 bundles of 2, stagger ends 6")
Add 4-#4's x 10', (2 bundles of 2, stagger ends 6")
Depth of typ. grade beam
2" Clr.
PVC pipe sleeve, provide 1" clear around pipe
6" Min.
3" Clr.
2'-9" Min.
1'-6" Min.
2'-9" Min.
7'-0" Min.

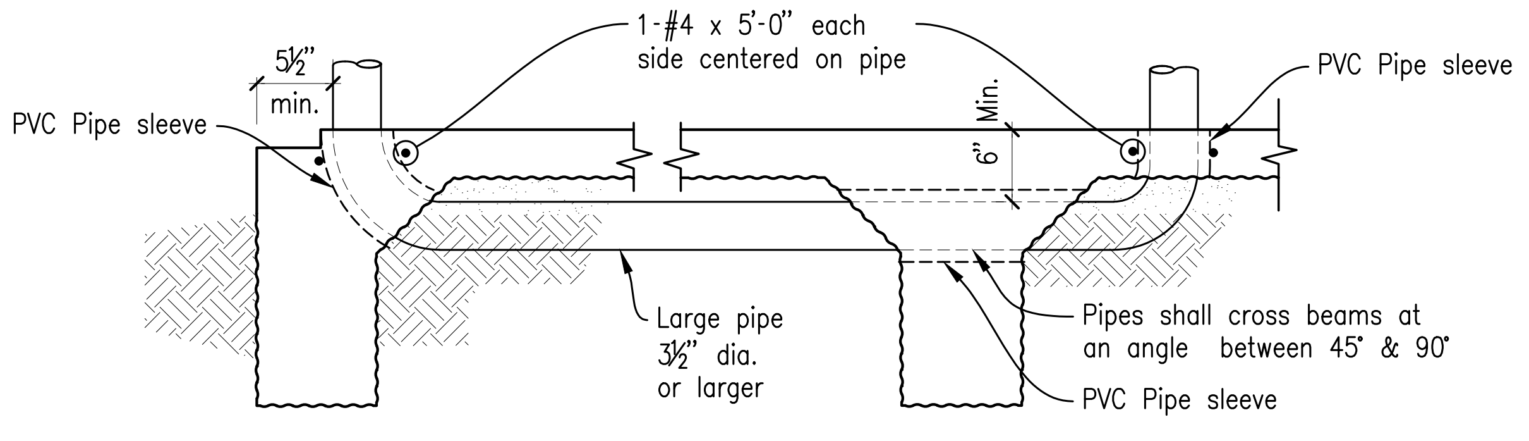
PVC Pipe Detail at Grade Beam, Full Penetration (N.T.S.)

This detail required only for pipes and/or openings 3½" in diameter or greater and if located within the bottom half of the beam


Examples of 3½" PVC riser encroaching interior grade beam and proper mitigation
No action needed
10" Min.
PVC pipe sleeve, provide 1" clear around pipe
2-#4's x 10'-0" bottom
1'-0"
3'-0"
2'-0"
3'-0"
1'-0"
5" Min.
5" Min.
10" Min.

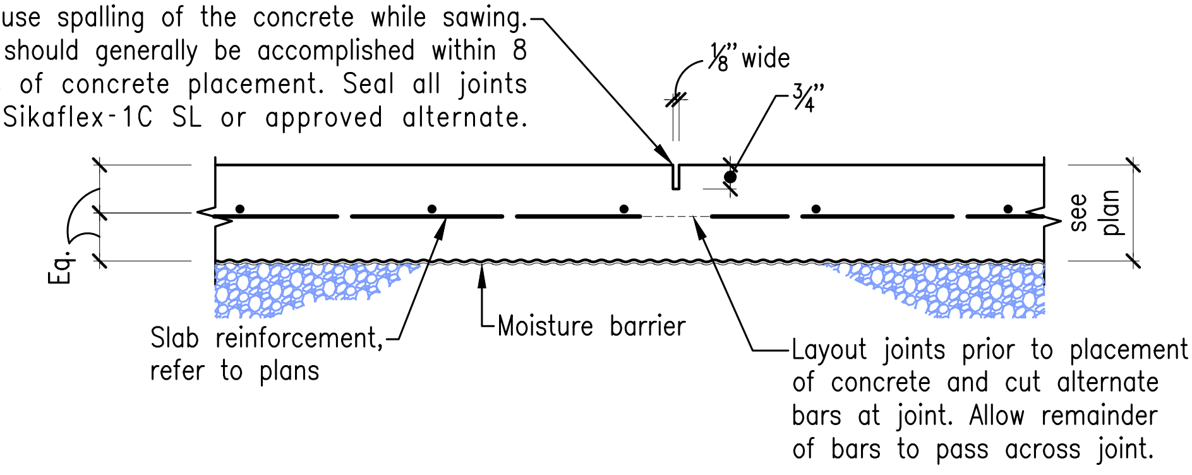
Plan View
Vertical PVC Riser at Grade Beam (N.T.S.)

This detail required only for pipes and/or openings 3½" in diameter or greater


5½" min.
PVC Pipe sleeve
1-#4 x 5'-0" each side centered on pipe
6" Min.
PVC Pipe sleeve
Large pipe 3½" dia. or larger
Pipes shall cross beams at an angle between 45° & 90°
PVC Pipe sleeve

Typical Large Pipe Elevation (3-1/2" or Larger)

Note: This typical detail shall be used where required and should also be used when a number of moderately sized pipes are grouped close together.


Sawcut control joint filled with sealant. Sawcut shall be made soon enough after placement to prevent shrinkage cracking, but not so soon as to cause spalling of the concrete while sawing. Work should generally be accomplished within 8 hours of concrete placement. Seal all joints with Sikaflex-1C SL or approved alternate.
1/8" wide
3/4"
Eq.
see plan
Slab reinforcement, refer to plans
Moisture barrier
Layout joints prior to placement of concrete and cut alternate bars at joint. Allow remainder of bars to pass across joint.

Typical Saw-cut Joints

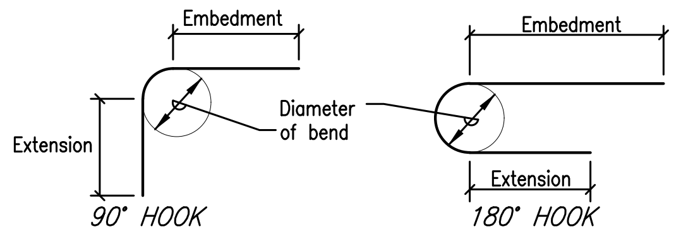
	CLASS B TENSION SPLICE LENGTHS						COMP. BARS	
CONC. PSI	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI		f'c = ALL	
BAR LOCATION	REGULAR CLASS	TOP CLASS	REGULAR CLASS	TOP CLASS	REGULAR CLASS	TOP CLASS	STD LAP	ENCLOSED W/ SPIRAL TIES
SIZE								
#3	22"	28"	19"	24"	17"	22"	12"	12"
#4	30"	37"	25"	33"	23"	29"	15"	12"
#5	36"	47"	31"	41"	28"	36"	19"	14"
#6	43"	56"	37"	49"	34"	43"	23"	17"
#7	63"	81"	54"	71"	49"	63"	26"	20"
#8	72"	93"	62"	81"	56"	72"	30"	23"
#9	81"	105"	70"	91"	63"	81"	34"	25"
#10	91"	118"	79"	102"	70"	92"	38"	29"
#11	101"	131"	87"	113"	78"	102"	42"	32"

NOTES:
1. Top bars are any horizontal bars placed so that more than 12" of fresh concrete is cast in the member below the reinforcement.
2. Unless noted otherwise, lap splices in concrete beams, slabs, and walls. will be class B tension splice lengths. columns shall have standard compression lap splice.
3. Contact structural engineer if center to center spacing of reinforcing is less than or equal to 3 bar diameters <3db or 2db clear spacing between bars or clear cover db.
4. All splices must be full contact.
5. Splices with #14 or #18 bars shall use mechanical couplers. (this includes #14 or #18 bars to smaller bars shown in schedule).
6. Lap splices of bars in a bundle shall be based on the lap splice length required for individual bars with in the bundle, increased by 20% for three-bar bundles and 33% for four-bar bundles.
7. Individual bar splices within a bundle shall not overlap. Entire bundles shall not be lap spliced.

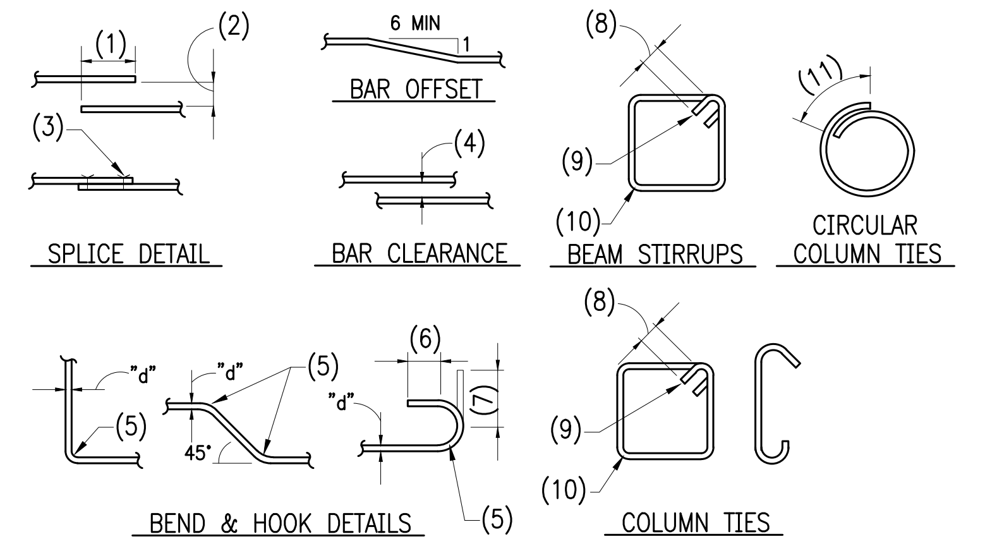
Lap Schedule for Reinforcing Steel

BAR SIZE	EMBEDMENT		EXTENSION		MINIMUM DIAMETER OF BEND (INCHES)	STRAIGHT BAR DEVELOPMENT	
	3000 PSI CONCRETE	5000 PSI CONCRETE	90° HOOK	180° HOOK		3000 PSI	5000 PSI
#3	6	6	4.5	2.5	3.00	16	13
#4	8	6	6.0	2.5	4.00	22	17
#5	10	7	7.5	2.5	5.00	27	21
#6	12	9	9.0	3.0	6.00	33	26
#7	13	10	10.5	3.5	7.00	48	37
#8	15	12	12.0	4.0	8.00	55	43
#9	17	13	13.5	4.5	11.28	62	48
#10	19	15	15.2	5.1	12.70	70	54
#11	22	17	16.9	5.6	14.10	77	60

NOTES:
1. Embedment length is based on 2 1/2" minimum side cover and 2" minimum end cover.
2. Contact structural engineer if center to center spacing of reinforcing is less than or equal to 3 bar diameters <3db or 2db clear spacing between bars.
3. Where clear cover <db, multiply embedment and straight bar development by 1.5.

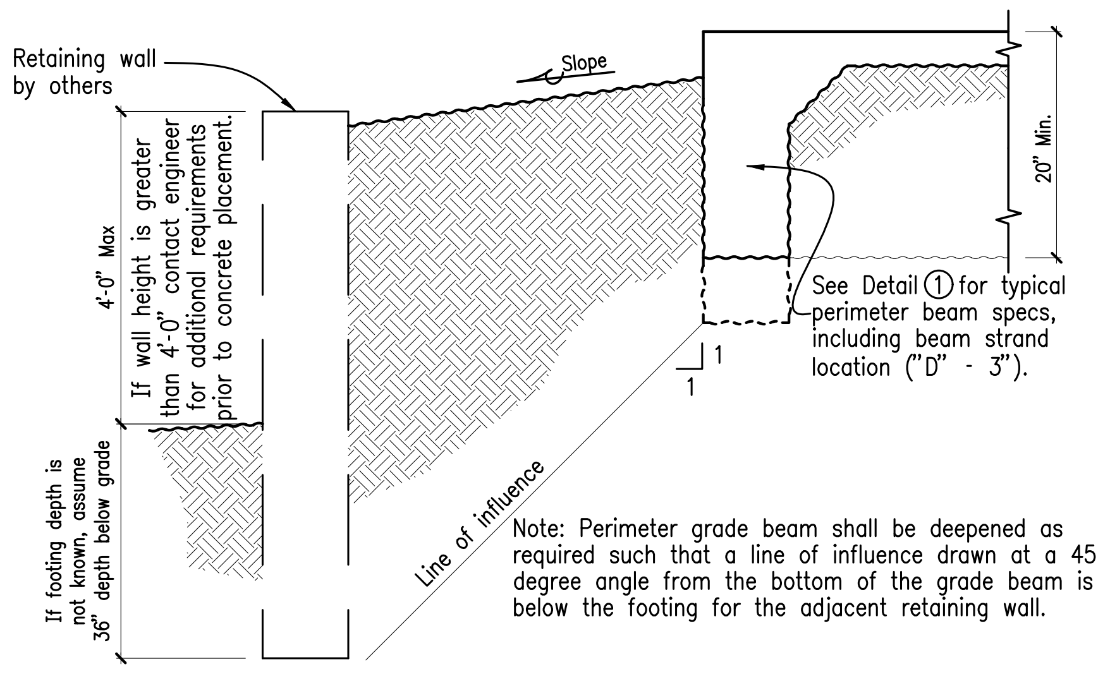


Hooked Dowel Development Length in Tension (inches)



NOTES:
1. Lap - See Lap Schedule above
2. Maximum 1/5 lap but not more than 6".
3. Wire ties.
4. 1d (1" minimum).
5. Radius = 3d for bars not over #8;
= 4d for #9, #10 and #11 bars;
= 5d for #14 and #18 bars;
= 5d for all grade 40 bars with 180 degree hook.
6. 4d (4" minimum).
7. 12d (90 degree hook).
8. 6d (4" minimum).
9. 135 degree bend.
10. Bend:
- #3 bars around 1½" pin;
- #4 bars around 2" pin;
- #5 bars around 2 1/2" pin.
11. Thirty (30) bar diameter lap.

Typical Concrete Reinforcement Bar Details


Retaining wall by others
Slope
4'-0" Max
If wall height is greater than 4'-0" contact engineer for additional requirements prior to concrete placement.
If footing depth is not known, assume 36" depth below grade
20" Min.
See Detail ① for typical perimeter beam specs, including beam strand location ("D" - 3").
1
1
Line of influence

Note: Perimeter grade beam shall be deepened as required such that a line of influence drawn at a 45 degree angle from the bottom of the grade beam is below the footing for the adjacent retaining wall.

Typical Retaining Wall Influence Detail

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972-620-8204

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23505
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ISSUE	DATE	REV

Client

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Architect

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Travel Center
Tucumcari, NM

Foundation
Supplemental Details

DATE 06/23/2023
SCALE 3/4" = 1'-0"
DR'N N.M.
CODE

FD-0.2

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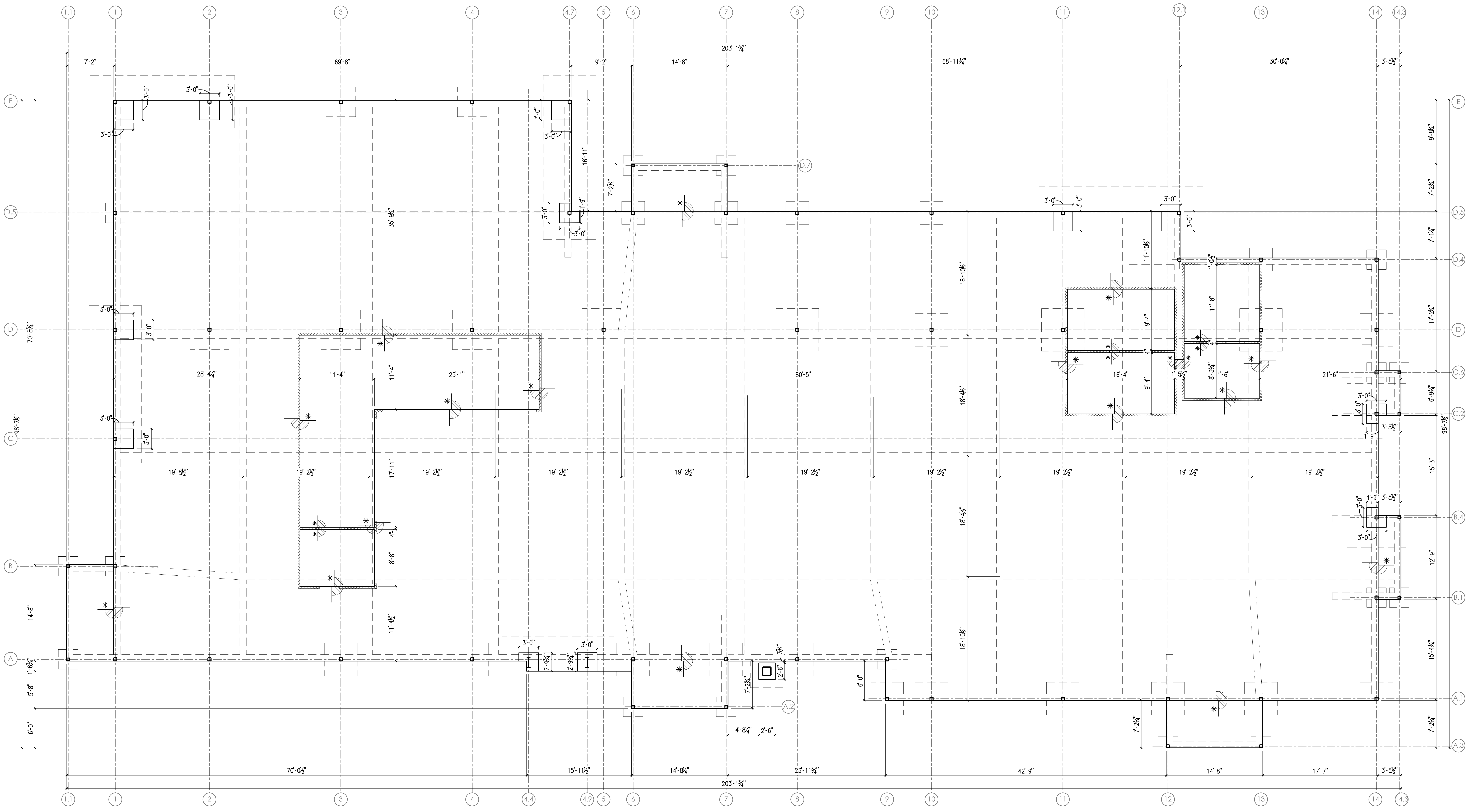

Forming Plan

Foundation Notes:

1) Drainage shall be maintained around the foundation at all times, both during and after the construction period. Surface water shall flow rapidly away from the foundation. The builder shall advise the buyer of his responsibilities to maintain drainage and soil moisture so that future soil movements are minimized.
2) Slab shall be __6"___ thick. U.N.O. reinforced with #__4__'s @ __16__" O.C.E.W. at mid-slab.
3) Perimeter beams shall be _12"_"W" x _20"_"D"
(✱) Interior Ribs shall be _12"_"W" x _12"_"D"
✱ Beams shall be deepened as required in order to bear below local frost depth "F" (measured from top of finished grade to bottom of grade beam). Frost depth "F" is __12"__. All beams to have 2-#4 Top and 2-#4's Bottom.
4) Concrete contractor shall be provided with a plan showing the anchor bolts and hold-downs required by the framing engineer. Devices requiring thickened concrete shall be brought to the foundation engineer's attention. The location of devices requiring drilling shall be laid out prior to the concrete placement.
5) See General Notes and Typical Detail Sheet.
6) (✱) Asterisks indicate dims. to be verified or furnished by builder. See note #2 under Concrete Construction on General Notes Sheet.
7) If uncontrolled fill exists on the site, piers may be required: NOTIFY ENGINEER.

Site Preparation Notes:

1) Potential soils movements will increase if building pads are allowed to dry out prior to construction. This office recommends procedures be used to maintain at least a "normal" or "average" soil moisture content.
2) Grading plan shall ensure that positive drainage is maintained away from the foundation. This office recommends a 5% slope for the first 10' from the building pad. Failure to maintain drainage may allow water to pond or collect around the foundation, causing potential heave far in excess of that predicted in the Geotechnical report.
3) Options to remediate the PVR to 1 inch or less:
   a. Remove at least 1 foot of existing soils and install 27 inches of properly compacted and moisture-conditioned select fill above the new earthen pad as recommended in the Geotechnical Report. Replacement soils shall be placed in 8-inch maximum loose lifts and compacted as specified in the Geotechnical Report.
   b. Install building pad at least 6-inches above the surrounding grade and grade the site to avoid ponding at the building and in the parking and drive areas. Additional measure to mitigate subgrade movement are specified in the Geotechnical Report and should be implemented if possible.
4) Initial site grading should include general preparation of the site for the proposed structure and included cleaning, stripping, and grubbing as specified in the Geotechnical Report. Grading should provide positive drainage away from the structure and should prevent water from collecting or discharging near the foundations. If fill is placed beneath the structures, then the depth of fill should be somewhat consistent beneath the entire structure to reduce the possibility of differential settlement and shall be observed by geotechnical representative in site. Install bulling pad at least 6 inches above the surrounding grade and grading the site to avoid ponding at the building and in the parking and driver's areas to inhabit the moisture filtration into the underlying soil. The base of the grade beams should be supported by similar soils across the site, whether in situ soils or moisture and compaction controlled select fill as specified in the Geotechnical Report. Excavations for foundation should be clean and free, weak, or pumping soils prior to the placement of concrete. It is recommending that a vapor retarder be placed under the concrete floor slab, min. 10-mil polyethylene sheet be used as the moisture retarder. All final grading, site preparation, and subgrade improvement shall be conducted in accordance with the Geotechnical Report and with oversight from the Geotechnical Engineer who shall confirm the subgrade has been remediated to 1 inch or less.

Contraction Joints:

1) Contraction joint located where shown. The joint will gradually open over a period of months to a fraction of an inch. It is a natural feature of post-tensioned concrete and does not represent a defect.
2) It is critical that at the contraction joint location, no concrete-to-concrete bond be created and that no reinforcement passes through the contraction joint (except where 'thru-strands' are shown on plan). Following these requirements will allow the joint to open a small amount and allow for shortening of the post-tensioned foundation as designed.
3) The framing contractor shall be advised that the superstructure (siding, masonry, etc.) will require a corresponding joint to accommodate this movement.
4) During finish-out, the open joint at the perimeter may be filled with an elastomeric caulking compound applied against a foam backer rod to prevent the entry of water or insects.
5) See section entitled "Contraction Joints" in the General Notes, located on the first sheet of the foundation plans.

Linetype Key	
Full Depth Grade Beams	═ ═ ═ ═
Thickened Slab	- - - - - -

Forming Dimension Note:
Verify all dimensions with Architectural plans. Contact Architect if there are any discrepancies that cannot be resolved in the field.

STRAND

10003 Technology Blvd. West
Dallas, Tx. 75220
972-620-8204

CHAD A. KONGER
23505
06-23-2023

-REVIEWED -
GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:02 PM
A-155698

ISSUE
DATE
REV

Client

MRP Design Group
3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Architect

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3450 Acworth Due West Rd.
Bldg. 100 Ste. 120
Kennesaw, GA 30144
770.917.9172

Travel Center
Tucumcari, NM

Forming Plan

DATE 06/23/2023
SCALE 1/8" = 1'-0"
DR'N N.M.
CODE

FD-1.0

STRAND M23086

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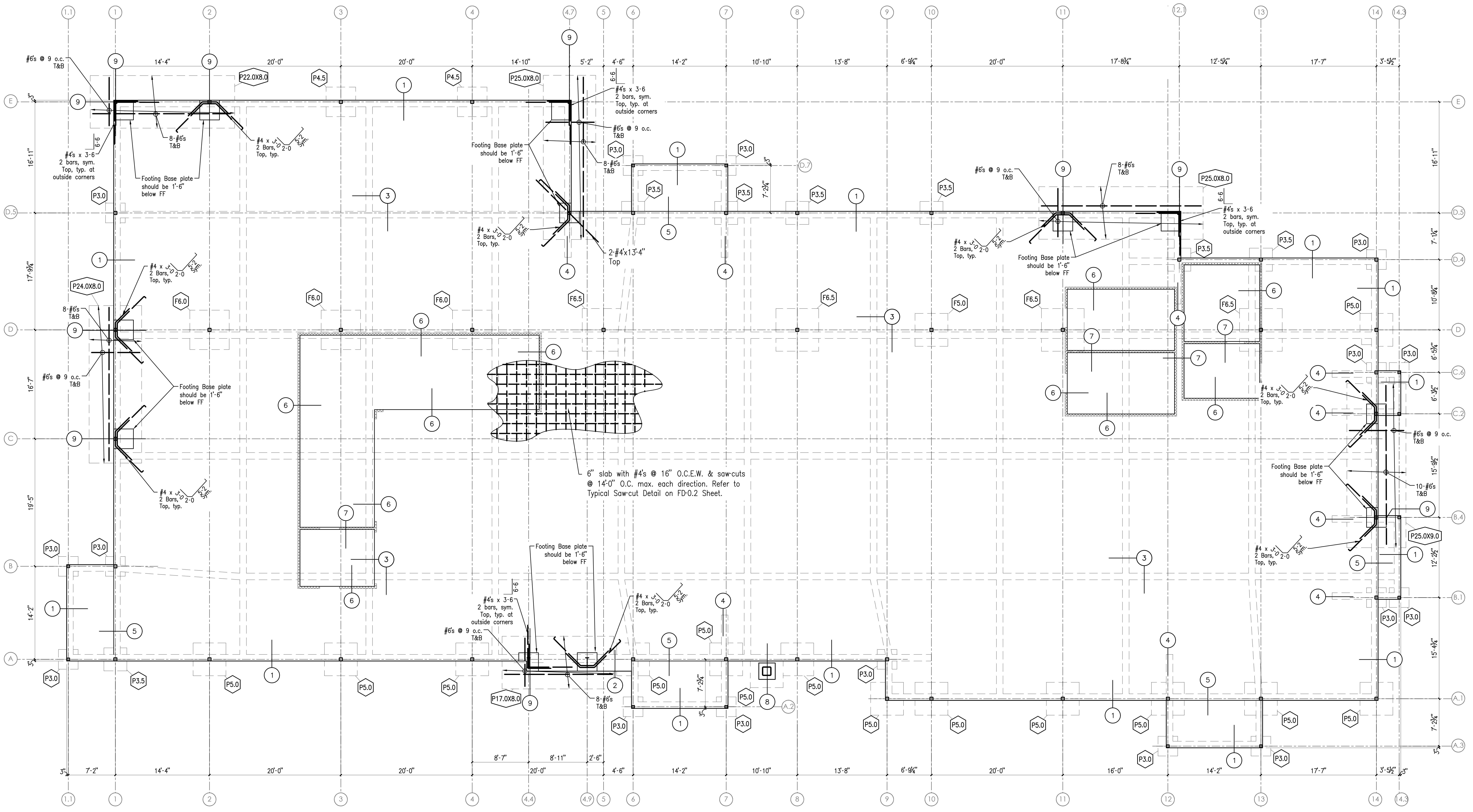

Footing and Reinforcement Plan

Foundation Notes:

1) Drainage shall be maintained around the foundation at all times, both during and after the construction period. Surface water shall flow rapidly away from the foundation. The builder shall advise the buyer of his responsibilities to maintain drainage and soil moisture so that future soil movements are minimized.
2) Slab shall be __6"___ thick. U.N.O. reinforced with #__4___'s @ __16__" O.C.E.W. at mid-slab.
3) Perimeter beams shall be _12"_"W" x _20"_"D"
(✳) Interior Ribs shall be _12"_"W" x _12"_"D"
✳ Beams shall be deepened as required in order to bear below local frost depth "F" (measured from top of finished grade to bottom of grade beam). Frost depth "F" is _12"_. All beams to have 2-#4 Top and 2-#4's Bottom.
4) Concrete contractor shall be provided with a plan showing the anchor bolts and hold-downs required by the framing engineer. Devices requiring thickened concrete shall be brought to the foundation engineer's attention. The location of devices requiring drilling shall be laid out prior to the concrete placement.
5) See General Notes and Typical Detail Sheet.
6) (✳) Asterisks indicate dims. to be verified or furnished by builder. See note #2 under Concrete Construction on General Notes Sheet.
7) If uncontrolled fill exists on the site, piers may be required: NOTIFY ENGINEER.

Site Preparation Notes:

1) Potential soils movements will increase if building pads are allowed to dry out prior to construction. This office recommends procedures be used to maintain at least a "normal" or "average" soil moisture content.
2) Grading plan shall ensure that positive drainage is maintained away from the foundation. This office recommends a 5% slope for the first 10' from the building pad. Failure to maintain drainage may allow water to pond or collect around the foundation, causing potential heave far in excess of that predicted in the Geotechnical report.
3) Options to remediate the PVR to 1 inch or less:
   a. Remove at least 1 foot of existing soils and install 27 inches of properly compacted and moisture-conditioned select fill above the new earthen pad as recommended in the Geotechnical Report. Replacement soils shall be placed in 8-inch maximum loose lifts and compacted as specified in the Geotechnical Report.
   b. Install building pad at least 6-inches above the surrounding grade and grade the site to avoid ponding at the building and in the parking and drive areas. Additional measure to mitigate subgrade movement are specified in the Geotechnical Report and should be implemented if possible.
4) Initial site grading should include general preparation of the site for the proposed structure and included cleaning, stripping, and grubbing as specified in the Geotechnical Report. Grading should provide positive drainage away from the structure and should prevent water from collecting or discharging near the foundations. If fill is placed beneath the structures, then the depth of fill should be somewhat consistent beneath the entire structure to reduce the possibility of differential settlement and shall be observed by geotechnical representative in site. Install bulling pad at least 6 inches above the surrounding grade and grading the site to avoid ponding at the building and in the parking and driver's areas to inhabit the moisture filtration into the underlying soil. The base of the grade beams should be supported by similar soils across the site, whether in situ soils or moisture and compaction controlled select fill as specified in the Geotechnical Report. Excavations for foundation should be clean and free, weak, or pumping soils prior to the placement of concrete. It is recommending that a vapor retarder be placed under the concrete floor slab, min. 10-mil polyethylene sheet be used as the moisture retarder. All final grading, site preparation, and subgrade improvement shall be conducted in accordance with the Geotechnical Report and with oversight from the Geotechnical Engineer who shall confirm the subgrade has been remediated to 1 inch or less.

Contraction Joints:

1) Contraction joint located where shown. The joint will gradually open over a period of months to a fraction of an inch. It is a natural feature of post-tensioned concrete and does not represent a defect.
2) It is critical that at the contraction joint location, no concrete-to-concrete bond be created and that no reinforcement passes through the contraction joint (except where 'thru-strands' are shown on plan). Following these requirements will allow the joint to open a small amount and allow for shortening of the post-tensioned foundation as designed.
3) The framing contractor shall be advised that the superstructure (siding, masonry, etc.) will require a corresponding joint to accommodate this movement.
4) During finish-out, the open joint at the perimeter may be filled with an elastomeric caulking compound applied against a foam backer rod to prevent the entry of water or insects.
5) See section entitled "Contraction Joints" in the General Notes, located on the first sheet of the foundation plans.

Saw-cuts:

Saw-cuts shown on this plan are diagrammatic to show general locations. Saw-cuts shall be spaced at 14'-0" maximum in each direction. Aspect ratio of length to width of each panel shall not exceed 1.5:1. Place saw-cuts at each re-entrant corner and similar locations.

Linetype Key	
Full Depth Grade Beams	— — — — —
Thickened Slab	- - - - - - - - -

Symbol Legend

F4.0

F=Interior Footing
P=Perimeter Footing
E=Edge of Slab Footing

Footing width each way (ft.)

See CF details on Sheet FD-0.1 for footing size, reinforcing and typical information

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GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, INCLUDING THE SIZE AND LOCATION OF MISCELLANEOUS ITEMS AFFECTING THE STRUCTURAL WORK SUCH AS SMALL OPENINGS, PIPE SLEEVES, RECESSES, BENT PLATES, ETC. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR OMISSIONS. OPENINGS THROUGH BEAMS, GIRDERS AND/OR COLUMNS SHALL BE VERIFIED BY ENGINEER.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL VERIFY ALL FLOOR AND ROOF MOUNTED MECHANICAL EQUIPMENT DIMENSIONS AND WEIGHTS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND REVIEWED SHOP DRAWINGS.
4. THE STRUCTURE IS DESIGNED TO BE SELF–SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. THE ERECTION PROCEDURE AND SEQUENCE INCLUDING THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, RE–SHORING, TEMPORARY SUPPORTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. DO NOT SCALE DRAWINGS. ALL WORK REQUIRING MEASURING SHALL BE DONE ACCORDING TO FIGURES ON DRAWING. ANY MISSING DIMENSIONS WILL BE FURNISHED UPON REQUEST.
6. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
7. THESE GENERAL NOTES APPLY WHERE OTHER PROVISIONS ARE NOT PROVIDED BY THE DRAWINGS, SPECIFICATIONS OR TYPICAL DETAILS. IN CASE OF SPECIAL CONDITIONS INDICATED ON DRAWINGS, THE DRAWINGS SHALL GOVERN OVER THE SPECIFICATIONS.
8. THE CONTRACTOR SHALL PROVIDE ALL CENTERLINE–TO–CENTERLINE DIMENSIONS TO THE STEEL FABRICATOR PRIOR TO SHOP DRAWING SUBMITTAL AND FABRICATION OF STRUCTURAL STEEL.
9. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING ALL SHORING, BRACING, AND STRUCTURAL SUPPORTS
10. TEMPORARY SHORING: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
11. CONSTRUCTION SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ORDINANCES, AND THE INTERNATIONAL BUILDING CODE 2015.

FOUNDATION:

1. FOUNDATIONS SHALL BE DESIGNED IN ACCORDANCE WITH ALL GEOTECHNICAL RECOMMENDATIONS AS LAID OUT BY THE GEOTECHNICAL ENGINEER OF RECORD IN THE APPLICABLE GEOTECH REPORT BY [UNKNOWN], PROJECT NO. 100, DATED 04/01/2023.
2. ALL POST–INSTALLED CONCRETE ANCHORS ARE TO BE APPROVED BY THE BUILDING EOR AND THE FOUNDATION EOR PRIOR TO INSTALLATION. ANCHOR LOCATIONS AND DEPTHS SHALL BE COORDINATED WITH THE FOUNDATION SHOP DRAWINGS TO ENSURE ADEQUATE CLEARANCE TO ALL REBAR AND PT TENDONS.

WOOD:

1. ALL CONVENTIONAL TIMBER CONSTRUCTION SHALL CONFORM TO THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE AMERICAN FOREST AND PAPER ASSOCIATION. ALL STUDS SHALL BE #2 SPRUCE–PINE–FIR OR BETTER. ALL OTHER TIMBER SHALL BE STRUCTURAL GRADED #2 SOUTHERN PINE OR BETTER UNLESS NOTED OTHERWISE. PLYWOOD CONSTRUCTION SHALL UTILIZE AMERICAN PLYWOOD ASSOCIATION RATED MATERIALS.
2. ALL EXTERIOR WALL SHEATHING AND SHEAR PANEL SHEATHING SHALL BE ½" PLYWOOD U.N.O. MINIMUM FASTENING SHALL BE #8 SCREWS SPACED AT 6" O.C. ON PANEL EDGES AND 12" O.C. AT INTERIOR AREAS. CONTRACTOR TO INSPECT ALL FASTENING BEFORE EXTERIOR VENEER IS PLACED.

STEEL DECK:

1. ALL STEEL DECKS SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
2. ALL ROOF DECKS SHALL BE 1½" x 20–GAUGE INTERMEDIATE RIB DECK. ATTACHMENT SHALL BE 36/4 WELD PATTERN WITH 5/8" PUDDLE WELDS AND SIDE–LAP (2) #12 SIDE LAP FASTENERS PER SPAN.

MINIMUM REQUIRED SUBMITTALS

	ROOFTOP MECHANICAL EQUIPMENT	STEEL JOIST	TRAVEL CENTER FOUNDATION	STRUCTURAL STEEL & CONNECTIONS	LIGHT GAUGE FRAMING
PRODUCT LITERATURE	✓				
SHOP DRAWINGS	✓			✓ 1	
SHOP DRAWINGS & CALCULATIONS (SIGNED & SEALED)		✓ 1,2	✓ 2,3		✓ 2

1. PROVIDE SEALED CALCULATIONS FOR STEEL ELEMENTS THAT ARE DELEGATED DESIGN ITEMS OR VARY FROM DETAILS SHOWN HEREIN.
2. DELEGATED DESIGN ITEM: ELEMENTS RELATED TO COMPONENTS THAT ARE NOT DETAILED OR SPECIFICALLY NOTED HEREIN ARE CONSIDERED TO BE DELEGATED DESIGN ITEMS. SEE GENERAL NOTES FOR REQUIREMENTS.
3. TRAVEL CENTER FOUNDATION TO INCLUDE POST–TENSIONED SLAB ON GRADE, ISOLATED COLUMNS FOOTINGS, AND ALL FOUNDATION ELEMENTS NOT DETAILED HEREIN.

SUBMITTAL NOTES:

1. SEE "MINIMUM REQUIRED SUBMITTALS" TABLE IN THESE DRAWINGS FOR STRUCTURAL ELEMENTS/PRODUCTS WHICH REQUIRE SUBMITTALS.
2. THE GENERAL CONTRACTOR SHALL SUBMIT A SCHEDULE OF SUBMITTALS PRIOR TO CONSTRUCTION BEGINNING ON THE PROJECT. THE SCHEDULE SHOULD DESCRIBE WHAT EACH SUBMITTAL IS, WHETHER IT IS THE ENTIRE PACKAGE, OR BROKEN INTO PHASES FOR REVIEW.
3. THE GENERAL CONTRACTOR SHALL ALLOW FOR 10 BUSINESS DAYS OF ALL STRUCTURAL SUBMITTALS. IF THE CONTRACTOR WISHES TO EXPEDITE OR REDUCE THE REVIEW TIME, IT SHALL BE DONE FOR AN ADDITIONAL CHARGE AND MUST BE NEGOTIATED PRIOR TO THE SUBMISSION OF THE PACKAGE.
4. IN THE EVENT THAT THE CONTRACTOR ATTEMPTS TO SUBMIT THE ENTIRE PROJECT AT THTE SAME TIME FOR SUBMISSION, ADDITIONAL TIME WILL BE REQUIRED BEYOND THE STANDARD 10 DAY REVIEW TIME.
5. SUBMITTALS FOR CUSTOM DESIGNED, MANUFACTURED OR FABRICATED LOAD CARRYING ITEMS, AND CUSTOM FABRICATED ITEMS THAT ARE REQUIRED BY CODES OR STANDARDS TO RESIST FORCES AND STRESSES, INCLUDING THEIR CONNECTIONS, ANCHORAGES, AND ATTACHMENTS REQUIRE A DELEGATED ENGINEER.
6. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO THE FOLLOWING:
   a. THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
   b. THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER.
   c. THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. NO DETAIL CHECK OF CALCULATIONS WILL BE MADE.
   d. THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.
7. SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED.

DELEGATED (SPECIALTY) ENGINEERING REQUIREMENTS:

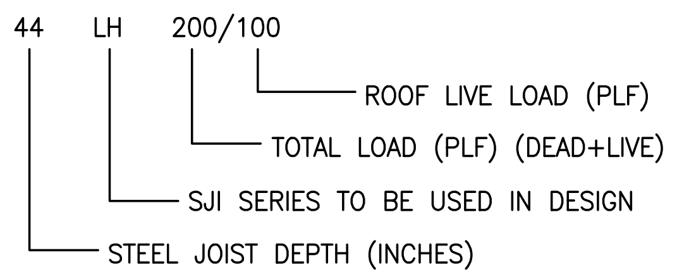
1. SEE "MINIMUM REQUIRED SUBMITTALS" TABLE IN THESE DRAWINGS FOR STRUCTURAL ELEMENTS/PRODUCTS WHICH REQUIRE SUBMITTALS.
2. DEFINITION OF DELEGATED (SPECIALTY) ENGINEER: A PROFESSIONAL ENGINEER, WHO IS LICENSED IN THE SAME STATE AS THE PROJECT, NOT THE STRUCTURAL ENGINEER OF RECORD, WHO SPECIALIZES IN AND WHO UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS PREPARED FOR THIS PROJECT.
3. SUBMITTALS FOR CUSTOM DESIGNED, MANUFACTURED OR FABRICATED LOAD CARRYING ITEMS, AND CUSTOM FABRICATED ITEMS THAT ARE REQUIRED BY CODES OR STANDARDS TO RESIST FORCES AND STRESSES, INCLUDING THEIR CONNECTIONS, ANCHORAGES, AND ATTACHMENTS REQUIRE A DELEGATED ENGINEER.
4. FOR EACH CATEGORY OF SUBMITTAL REQUIRING INPUT FROM A DELEGATED ENGINEER, THE CONTRACTOR SHALL ATTACH TO THE FIRST SUBMITTAL A SIGNED AND SEALED LETTER FROM THE RESPONSIBLE DELEGATED ENGINEER STATING: "I CERTIFY THAT THE DESIGN AND DRAFTING OF THE SHOP DRAWINGS WHICH ARE SIGNED AND SEALED BY ME WERE PREPARED UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE THE SHOP DRAWINGS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND CONTRACT DRAWINGS.
5. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO THE FOLLOWING:
   a. THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
   b. THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER.
   c. THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. NO DETAIL CHECK OF CALCULATIONS WILL BE MADE.
   d. THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. NOT DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.
6. SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED:
   STRUCTURAL STEEL &CHANNELS ..... ASTM A992 GRADE 50 U.N.
   STEEL ANGLES & PLATES .... ASTM A36 U.N.
   STEEL PIPES .... ASTM A53, GRADE B
   STEEL TUBES (HSS) .... ASTM A500, GRADE C
   HIGH STRENGTH BOLTS .... ASTM A325, GALVANIZED
   NUTS .... ASTM A563, GALVANIZED
   UNFINISHED BOLTS .... ASTM A307
   WELDING ELECTRODES .... AWS CLASS E70
   ANCHOR BOLTS .... F1554, GR. 36
2. THE STRUCTURAL STEEL FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS NOT DETAILED HEREIN. SHOP DRAWINGS SHALL BE FULLY APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION. DESIGN OF SPECIAL CONNECTIONS BETWEEN STEEL FRAMING COMPONENTS BY OTHER THAN THE PROJECT STRUCTURAL ENGINEER–OF–RECORD SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF PROJECT. CONNECTION DESIGN INCLUDING BUT NOT LIMITED TO BRACE END CONNECTIONS, MOMENT–RESISTING CONNECTIONS, MODIFIED BEAM SEAT CONNECTIONS, AND MEMBER SPLICE CONNECTIONS. INDICATE DESIGN FORCES AND REACTIONS FOR EACH APPLICABLE CONNECTION.
3. SHOP CONNECTIONS MAY BE WELDED OR BOLTED.
4. FIELD CONNECTIONS SHALL BE BOLTED USING HIGH STRENGTH BOLTS EXCEPT WHERE FIELD WELDING IS SHOWN ON THE DRAWINGS.
5. BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH THREADS INCLUDED IN THE SHEAR PLANE AND SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC–2009, "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS".
6. HIGH STRENGTH BOLTS SHALL BE ¾" DIAMETER MINIMUM UNLESS OTHERWISE NOTED.
7. THE STRUCTURAL STEEL FRAME SHALL BE BRACED IN TWO DIRECTIONS DURING CONSTRUCTION, INCLUDING HORIZONTAL BRACING AT CONCRETE FLOORS, UNTIL ALL FINAL CONNECTIONS HAVE BEEN MADE AND CONCRETE IS PLACED AND CURED.
8. FOR JOIST & TRUSS SPANS EXCEEDING 40ft, A CENTER ROW OF BOLTED BRIDGING SHALL BE INSTALLED TO PROVIDE LATERAL STABILITY DURING CONSTRUCTION.
9. ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY.
10. ALL EXTERIOR AND EXPOSED STEEL SHALL BE EPOXY COATED, GALVANIZED, OR OTHERWISE PROTECTED AGAINST CORROSION AND EXPOSURE EFFECTS. COORDINATE W/ ARCH. FOR FINISH.
11. THE FASTENER SCHEDULE FOR BEAMS SHALL BE:

BEAM SIZES		# OF BOLTS
W8	=	2
W10 – W12	=	3
W14 – W16	=	4
W18 – W21	=	5
W24 – W27	=	6
W30	=	7

STEEL JOIST DESIGNATION FORMAT:


44 LH 200/100
ROOF LIVE LOAD (PLF)
TOTAL LOAD (PLF) (DEAD+LIVE)
SJI SERIES TO BE USED IN DESIGN
STEEL JOIST DEPTH (INCHES)

SPECIAL INSPECTION:

1. REQUIREMENT IN ACCORDANCE WITH IBC SECTION 1704.3 WILL BE PROVIDED IN SEPARATE DOCUMENTS.
2. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

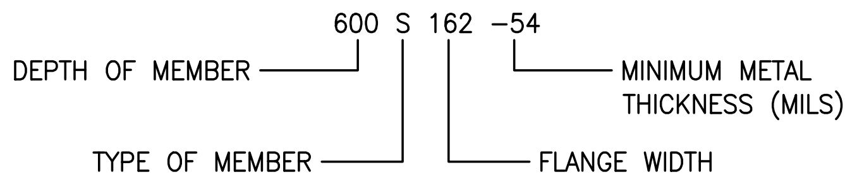
STABILITY ENGINEERING'S SCOPE OF WORK INCLUDES THE TRAVEL CENTER BUILDING STRUCTURE. ALL OTHER STRUCTURES ARE OUT OF THE SCOPE OF STABILITY ENGINEERING.

DELEGATED DESIGN ITEMS INCLUDE:
- TRAVEL CENTER FOUNDATION
- MONUMENT SIGN
- FUEL TANKS
- FUEL CANOPIES
- CAR WASH

LIGHT GAUGE METAL STUD:

1. MINIMUM YIELD STRENGTH (Fy) FOR STUDS IS 33,000 KSI FOR 18 GA. AND 20 GA. MATERIALS, AND 50,000 KSI FOR 16 GA, 14 GA. , AND 12 GA. MATERIALS.
2. ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G–60 GALVANIZED COATING MEETING THE REQUIREMENTS OF A.S.T.M. A525.
3. A MINIMUM OF 10" UN–PUNCHED STEEL IS REQUIRED AT BOTH ENDS OF STUDS (NO PUNCHING HOLES OF ANY SIZE IS PERMITTED IN THESE 10 INCHES). NO CUTTING OF THE STUD FLANGE IS PERMITTED.
4. BOTH STUD FLANGES SHALL BE ATTACHED TO THE TOP AND BOTTOM TRACK WITH A MINIMUM OF (1) #10 SCREW EACH SIDE.
5. SPLICES IN STUDS SHALL NOT BE PERMITTED.
6. STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB TOP AND BOTTOM. STUDS MUST BE CUT SQUARE.
7. MULTIPLE STUD "COLUMNS" SHALL BE SCREWED TOGETHER IN GROUPS OF AT LEAST TWO STUDS WITH (2) #10 SCREWS @ 12" O.C.
8. LATERAL BRIDGING SHALL BE USED TO RESIST TORSIONAL FORCES ON THE STUDS. BRIDGING SHALL BE 150U050–54 (33KSI) U CHANNELS WITH SIMPSON SUBH3.25 BRIDGING CONNECTORS TO EACH STUD.
9. $1\frac{1}{2}$" COLD ROLLED CHANNEL IN $3\frac{5}{8}$" STUDS AND $2\frac{1}{2}$" COLD ROLLED CHANNEL IN 6"/8" STUDS. ATTACH CHANNEL TO STUDS PER DETAIL 2/S–0.1.
10. BRIDGING IS TO BE SPACED AT NO MORE THAN 5'–0" O.C. VERTICALLY. SEE 2/S–0.1.
11. MINIMUM TRACK FASTENING SHALL BE 0.157" DIAMETER POWDER ACTUATED FASTENERS SPACED AT 8" O.C. FOR ALL EXTERIOR WALLS, AND 12" O.C. FOR INTERIOR WALLS (U.N.O.), WITH $1\frac{1}{4}$" MINIMUM PENETRATION INTO CONCRETE.
12. VOIDS BENEATH TRACK SHALL NOT BE PERMITTED. CONTRACTOR SHALL PROVIDE A REASONABLY LEVEL SLAB (WITHIN ACI 117 TOLERANCES). WHERE UNEVENNESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PANEL OR TRACK SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.
13. CUTTING OF METAL STUDS, TRACK OR LATERAL BRIDGING IS NOT PERMITTED WITHOUT SPECIFIC APPROVAL FROM THE ENGINEER OF RECORD.

LIGHT GAUGE STEEL FRAMING, INDUSTRY–STANDARD NOMENCLATURE:



MILS	GAGE
33	20
43	18
54	16
68	14
97	12
118	10

1. THE FIRST NUMBERS REPRESENT THE DEPTH OF THE MEMBER TO TWO (2) DECIMAL PLACES WITHOUT THE USE OF A DECIMAL POINT. IE: 600=6.00", 1000=10.00", 550=5.50", 362=3.62"
2. THE ALPHA CHARACTER REPRESENTS THE TYPE OF MEMBER. THERE ARE ONLY FOUR ALPHA CHARACTERS USED, THEY ARE S="C" MEMBER, T=TRACK, F=FURRING CHANNEL AND U="U" CHANNEL.
3. THE SECOND SET OF NUMBERS REPRESENTS THE MEMBERS FLANGE WIDTH TO TWO (2) DECIMAL PLACES WITHOUT THE USE OF A DECIMAL POINT. IE: 162=1.62", 200=2.00", 125=1.25"
4. THE LAST SET OF NUMBERS IS THE MINIMUM UNCOATED METAL THICKNESS EXPRESSED IN MILS (0.001"). THESE THICKNESSES CORRESPOND TO REFERENCE GAUGES AS FOLLOWS: –18 (25GA), –27 (22GA), –33 (20GA), –43 (18GA), –54 (16GA), –68 (14GA) & –97 (12GA). THE MILS DEFINE THE MINIMUM ALLOWABLE UNCOATED THICKNESS AND ARE 5% LESS THAN THE DESIGN THICKNESS. THE 5% VARIANCE IN METAL THICKNESS IS PERMITTED PER SECTION A3.4 OF THE AISI SPECIFICATION.

ABBREVIATION (ALPHABETIZED):

A.B. = ANCHOR BOLTS
ARCH. = ARCHITECT
C.J. = CONTROL JOINT
C.I.P. = CAST IN PLACE
CONC. = CONCRETE
CONT. = CONTINUOUS
CONX. = CONNECTION
COORD. = COORDINATE
E.O.C. = EDGE OF CONCRETE
E.W. = EACH WAY
EXP. = EXPANSION
EXT. = EXTERIOR
F.F.E. = FINISH FLOOR ELEVATION
FLR. = FLOOR
FTG. = FOOTING
GYP. = GYPSUM BOARD
H.R. = HANDRAIL
HDR. = HEADER
HORZ. = HORIZONTAL
INT. = INTERIOR
MAX. = MAXIMUM
MANF. = MANUFACTURER
M.C. = MOMENT CONNECTION
MIN. = MINIMUM
O.C. = ON CENTER
P.A.F. = POWDER ACTUATED FASTENER
REINF. = REINFORCEMENT
REQ. = REQUIRED
SIM. = SIMILAR
S.O.G. = SLAB ON GRADE
STD. = STANDARD
STL. = STEEL
SQ. = SQUARE
T&B = TOP & BOTTOM
TCX = TOP CHORD EXTENSION
TYP. = TYPICAL
U.N. = UNLESS NOTED
U.N.O. = UNLESS NOTED OTHERWISE
VERT. = VERTICAL
W.W.M. = WELDED WIRE MESH

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:02 PM
A-155698

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM
GENERAL NOTES
SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS
STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316
SHEET NUMBER: S–0.0
PROJECT NO. SE#23053
SHT 1 OF 10
REV 0

DESIGN NOTES

REFERENCED CODES

INTERNATIONAL BUILDING CODE	IBC	2015
MINIMUM DESIGN LOADS	ASCE-7	2010
STRUCTURAL CONCRETE	ACI 318	2014
STRUCTURAL STEEL	AISC 360	2010

LOADS

OCCUPANCY OR USE:	UNIFORM (PSF)	CONC. (LBS)
ROOF	20	300

WIND DESIGN CRITERIA

DESIGN SPEED: ULTIMATE (V_{ult}) NOMINAL (V_{asd})	 106 MPH 82 MPH	INTERNAL PRESSURE COEFFICIENT:	±0.18
RISK CATEGORY:	II	COMPONETS & CLADDING WIND PRESSURES:	REFER TO TABLES ON S-0.1
WIND EXPOSURE (X-X):	C	MWFRS ULTIMATE PRESSURE	27.7 PSF
WIND EXPOSURE (Y-Y):	C	NET ROOF UPLIFT	23.7 PSF

SEISMIC DESIGN CRITERIA

RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR (I_s):	I_s = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS:	S_s = 0.136g S_1 = 0.044g
SITE CLASS:	D
DESIGN SPECTRAL RESPONSE ACCELERATIONS:	S_{ds} = 0.145g S_{d1} = 0.070g
SEISMIC DESIGN CATEGORY:	B
BASIC SEISMIC-FORCE RESISTING SYSTEM:	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION FACTOR:	R = 3.0
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE PROCEDURE

SNOW DESIGN CRITERIA

FLAT ROOF SNOW LOAD; P_f	15 psf
SNOW EXPOSURE FACTOR; C_e	0.9
SLOPE FACTOR; C_s	1.0
SNOW IMPORTANCE FACTOR; I_t	1.0
THERMAL FACTOR; C_t	1.0
DESIGN FROST DEPTH	12"

*REFER TO A/S-1.0 FOR SNOW DRIFT DIAGRAM

TYP. STUD WALL SCHEDULE (U.N.O.)

LOCATION	SIZE & SPACING
TYP. 6" EXTERIOR WALL	600S162-43mil @ 24" O.C.
6" PARAPET INFILL	600S137-43mil @ 24" O.C.
3⅝" INTERIOR WALL	362S162-54mil @ 24" O.C.
6" INTERIOR WALL	600S162-33mil @ 24" O.C.
8" INTERIOR WALL	800S162-33mil @ 24" O.C.

NOTES:
1. SEE LIGHT GAUGE NOTES ON S-0.1 FOR MATERIAL & FABRICATION SPECIFICATIONS.
2. SEE ARCH. PLAN FOR PARAPET HEIGHTS & WALL THICKNESS.

COMPONENTS + CLADDING WIND PRESSURES (PSF)

ENCLOSED STRUCTURE; 'a' = 6.8ft

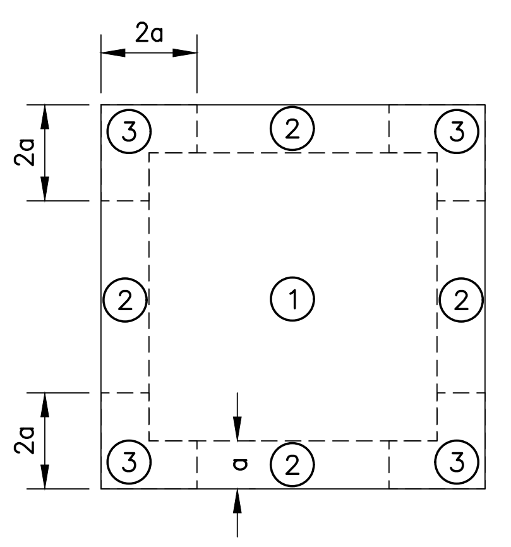
ROOF PRESSURES

Ae (EFFECTIVE AREA)	ZONE 1	ZONE 2	ZONE 3
<=25 SQ. FT.	+16.0, -28.6	+16.0, -42.6	+16.0, -57.7
50 SQ. FT.	+16.0, -27.8	+16.0, -37.4	+16.0, -44.9
100 SQ. FT.	+16.0, -27.1	+16.0, -32.1	+16.0, -32.1
>=200 SQ. FT.	+16.0, -27.1	+16.0, -32.1	+16.0, -32.1

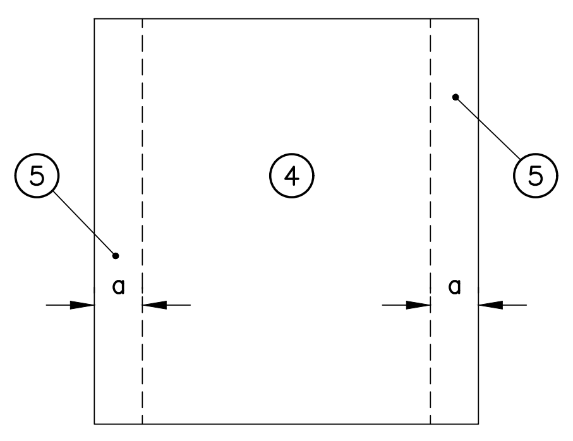
WALL PRESSURES

Ae (EFFECTIVE AREA)	ZONE 4	ZONE 5
<=25 SQ. FT.	+25.5, -27.7	+25.5, -32.9
50 SQ. FT.	+24.3, -26.5	+24.3, -30.5
100 SQ. FT.	+23.1, -25.3	+23.1, -28.1
>=200 SQ. FT.	+21.9, -24.1	+21.9, -25.7

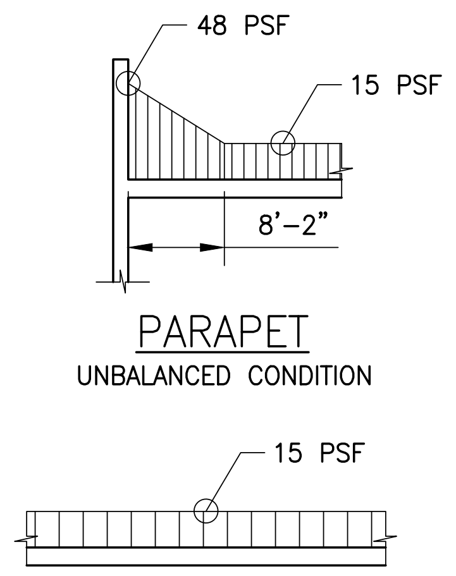
NOTES:
1. LOADS AND DIAGRAMS ARE BASED ON THE IBC 2015 AND ASCE 7-10. PRESSURES SHOWN ARE ULTIMATE LOADS. TO CONVERT TO ALLOWABLE (ASD) LOAD, MULTIPLY VALUES BY 0.6
2. INTERPOLATION MAY BE UTILIZED FOR EFFECTIVE AREAS THAT OCCUR BETWEEN VALUES SHOWN IN THE TABLE.
3. PLUS AND MINUS SIGN INDICATES THE PRESSURE ACTING TOWARDS AND AWAY FROM THE SURFACES, RESPECTIVELY.
4. A MINIMUM DEAD LOAD OF 10PSF MAY BE USED FOR NET UPLIFT PRESSURES ON ROOF.



FLAT ROOF (Θ<10°)



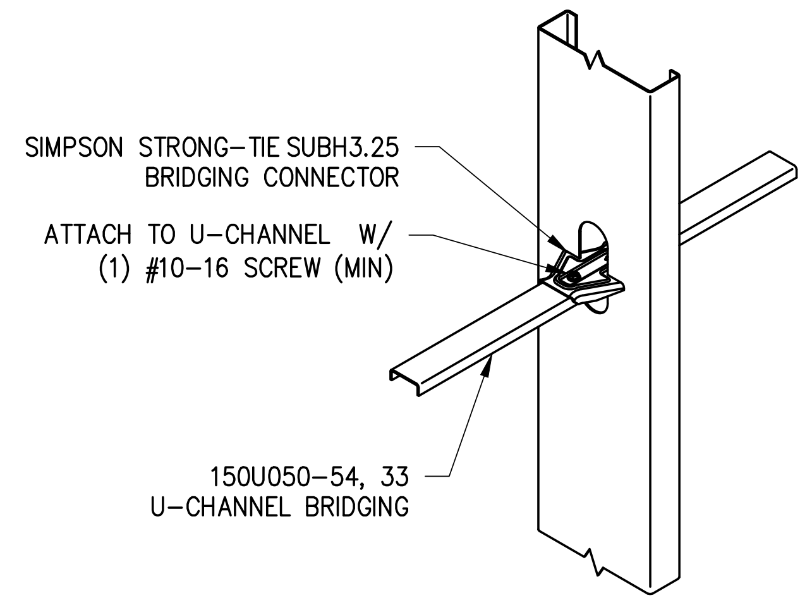
WALL ELEVATION



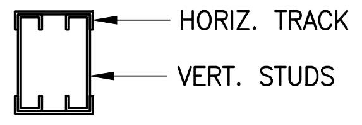
PARAPET
UNBALANCED CONDITION

FLAT ROOF

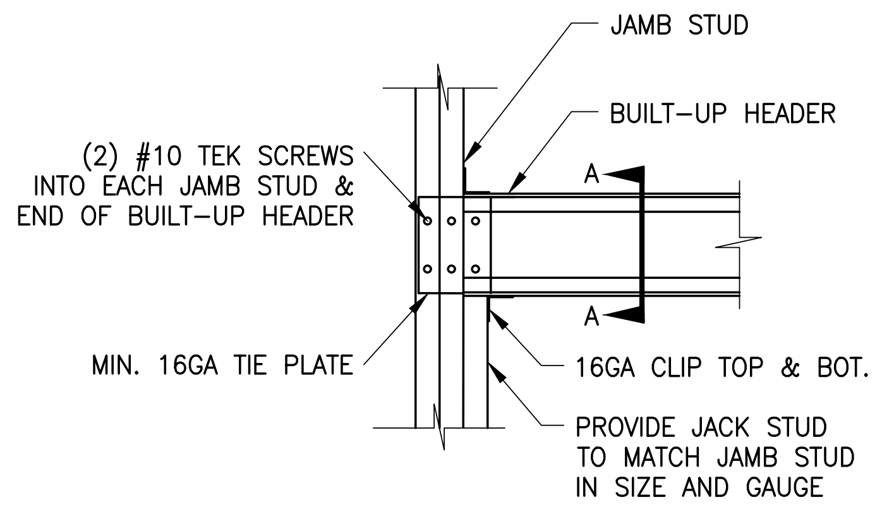
A / S-0.1 SNOW DRIFT DIAGRAMS
SCALE: N.T.S.


SIMPSON STRONG-TIE SUBH3.25 BRIDGING CONNECTOR
ATTACH TO U-CHANNEL W/ (1) #10-16 SCREW (MIN)
150U050-54, 33 U-CHANNEL BRIDGING

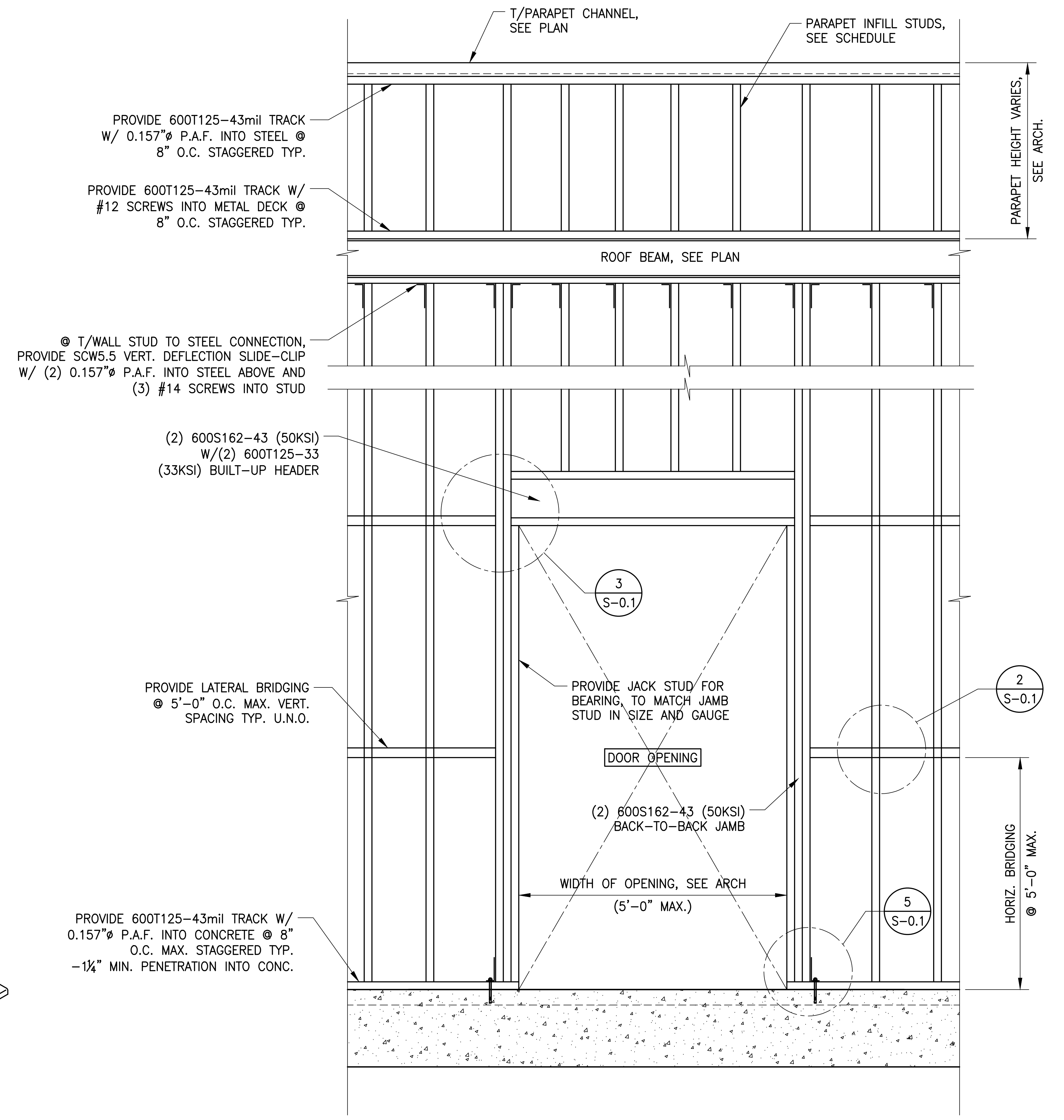
2 / S-0.1 LATERAL BRIDGING DETAIL
SCALE: 1"=1'-0"



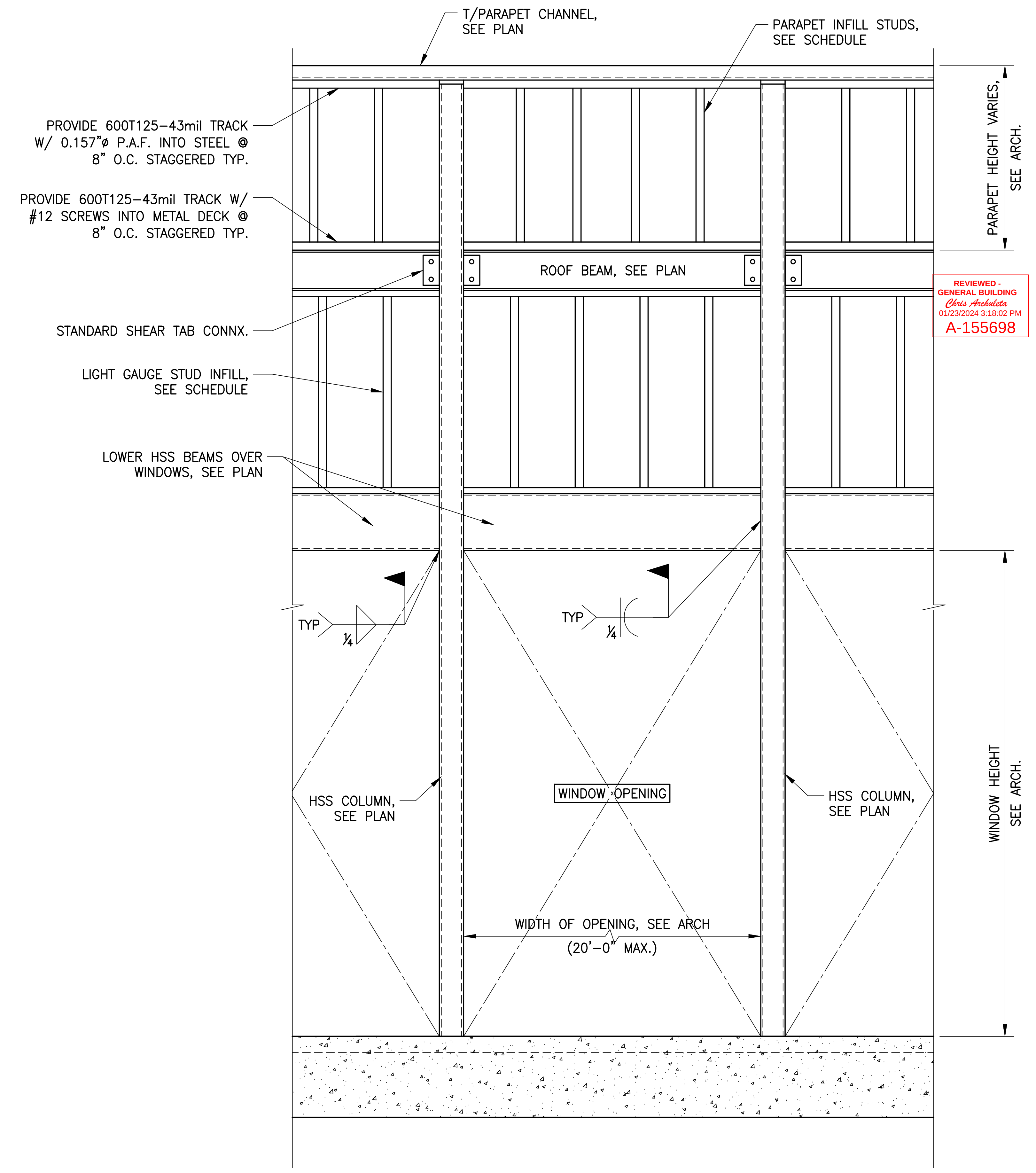
SECTION A-A


JAMB STUD
BUILT-UP HEADER
(2) #10 TEK SCREWS INTO EACH JAMB STUD & END OF BUILT-UP HEADER
A
A
MIN. 16GA TIE PLATE
16GA CLIP TOP & BOT.
PROVIDE JACK STUD TO MATCH JAMB STUD IN SIZE AND GAUGE

3 / S-0.1 BUILT UP HEADER DETAIL
SCALE: 1"=1"


T/PARAPET CHANNEL, SEE PLAN
PARAPET INFILL STUDS, SEE SCHEDULE
PROVIDE 600T125-43mil TRACK W/ 0.157"ø P.A.F. INTO STEEL @ 8" O.C. STAGGERED TYP.
PROVIDE 600T125-43mil TRACK W/ #12 SCREWS INTO METAL DECK @ 8" O.C. STAGGERED TYP.
PARAPET HEIGHT VARIES, SEE ARCH.
ROOF BEAM, SEE PLAN
@ T/WALL STUD TO STEEL CONNECTION, PROVIDE SCW5.5 VERT. DEFLECTION SLIDE-CLIP W/ (2) 0.157"ø P.A.F. INTO STEEL ABOVE AND (3) #14 SCREWS INTO STUD
(2) 600S162-43 (50KSI) W/(2) 600T125-33 (33KSI) BUILT-UP HEADER
3 / S-0.1
PROVIDE JACK STUD FOR BEARING, TO MATCH JAMB STUD IN SIZE AND GAUGE
2 / S-0.1
PROVIDE LATERAL BRIDGING @ 5'-0" O.C. MAX. VERT. SPACING TYP. U.N.O.
DOOR OPENING
(2) 600S162-43 (50KSI) BACK-TO-BACK JAMB
WIDTH OF OPENING, SEE ARCH (5'-0" MAX.)
5 / S-0.1
HORIZ. BRIDGING @ 5'-0" MAX.
PROVIDE 600T125-43mil TRACK W/ 0.157"ø P.A.F. INTO CONCRETE @ 8" O.C. MAX. STAGGERED TYP. -1¼" MIN. PENETRATION INTO CONC.

1A / S-0.1 TYPICAL LIGHT GAUGE WALL FRAMING ELEV.
SCALE: N.T.S.


T/PARAPET CHANNEL, SEE PLAN
PARAPET INFILL STUDS, SEE SCHEDULE
PROVIDE 600T125-43mil TRACK W/ 0.157"ø P.A.F. INTO STEEL @ 8" O.C. STAGGERED TYP.
PROVIDE 600T125-43mil TRACK W/ #12 SCREWS INTO METAL DECK @ 8" O.C. STAGGERED TYP.
PARAPET HEIGHT VARIES, SEE ARCH.
ROOF BEAM, SEE PLAN
STANDARD SHEAR TAB CONNX.
LIGHT GAUGE STUD INFILL, SEE SCHEDULE
LOWER HSS BEAMS OVER WINDOWS, SEE PLAN
TYP
¼
TYP
¼
HSS COLUMN, SEE PLAN
WINDOW OPENING
HSS COLUMN, SEE PLAN
WIDTH OF OPENING, SEE ARCH (20'-0" MAX.)
WINDOW HEIGHT SEE ARCH.

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01/23/2024 3:18:02 PM
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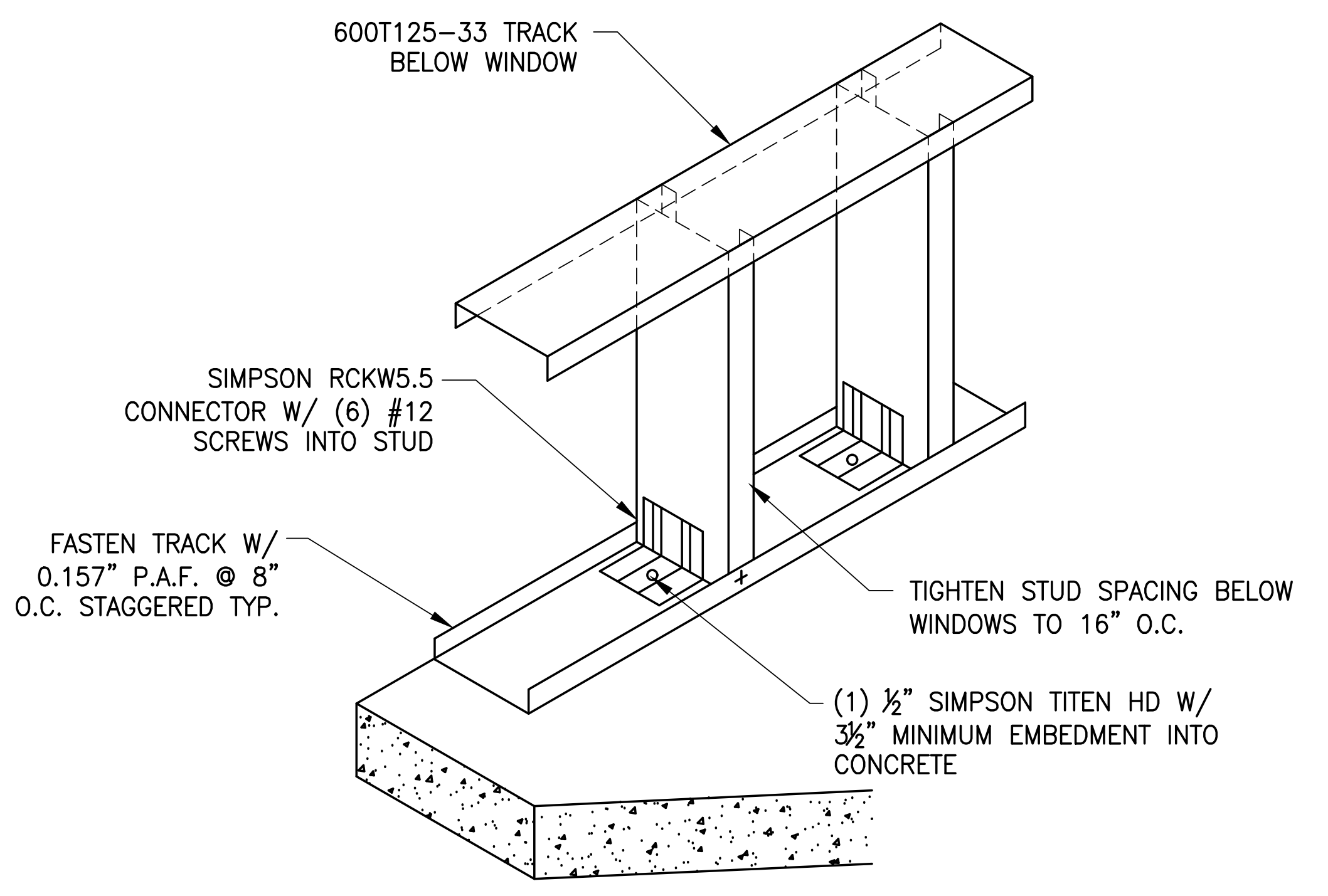
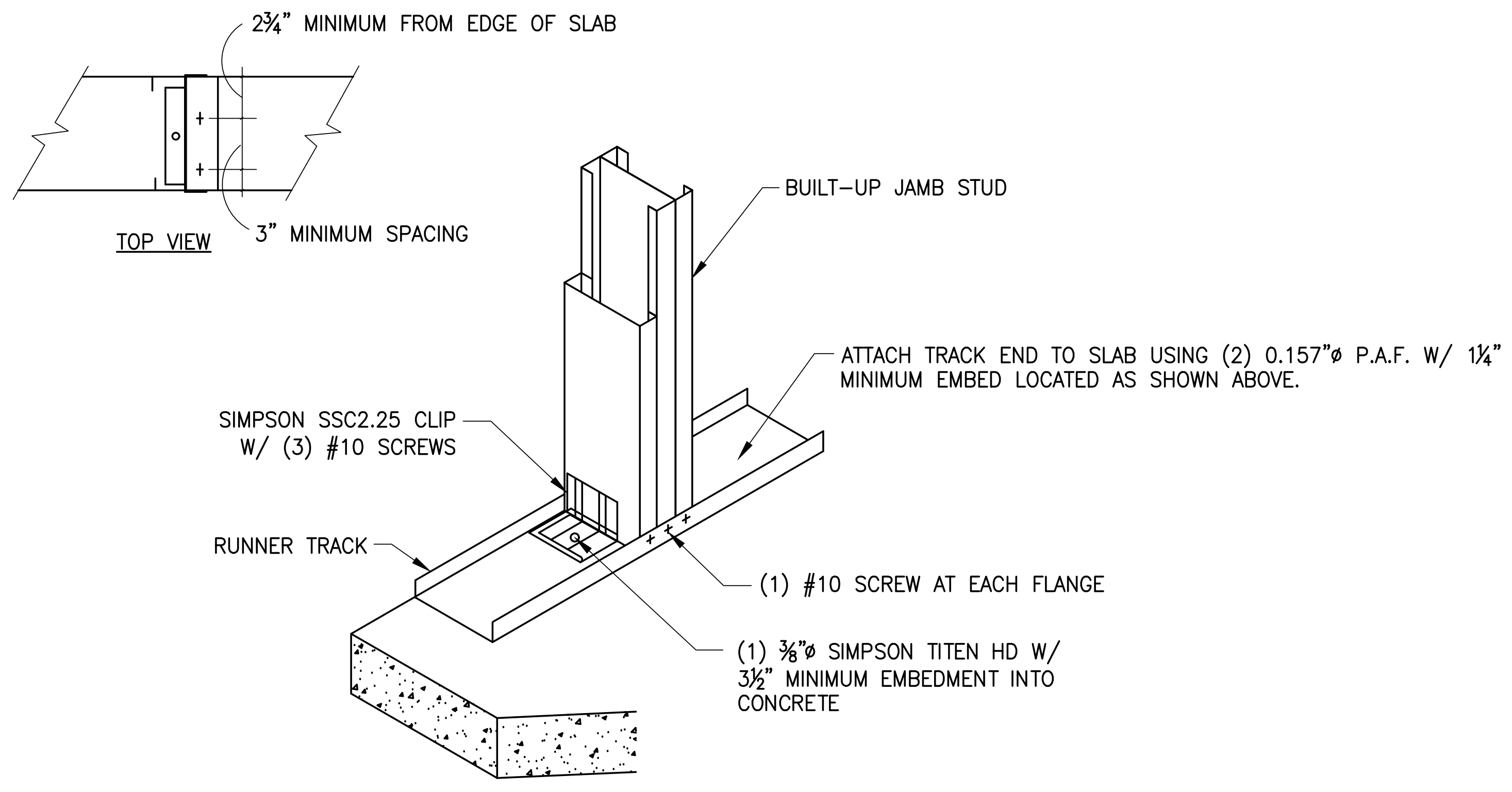
1B / S-0.1 TYPICAL WINDOW WALL ELEVATION
SCALE: N.T.S.


600T125-33 TRACK BELOW WINDOW
SIMPSON RCKW5.5 CONNECTOR W/ (6) #12 SCREWS INTO STUD
FASTEN TRACK W/ 0.157" P.A.F. @ 8" O.C. STAGGERED TYP.
TIGHTEN STUD SPACING BELOW WINDOWS TO 16" O.C.
(1) ½" SIMPSON TITEN HD W/ 3½" MINIMUM EMBEDMENT INTO CONCRETE

4 / S-0.1 MOMENT CLIP @ WINDOW SILL
SCALE: 1"=1'-0"


2¾" MINIMUM FROM EDGE OF SLAB
TOP VIEW
3" MINIMUM SPACING
BUILT-UP JAMB STUD
ATTACH TRACK END TO SLAB USING (2) 0.157"ø P.A.F. W/ 1¼" MINIMUM EMBED LOCATED AS SHOWN ABOVE.
SIMPSON SSC2.25 CLIP W/ (3) #10 SCREWS
RUNNER TRACK
(1) #10 SCREW AT EACH FLANGE
(1) ⅜"ø SIMPSON TITEN HD W/ 3½" MINIMUM EMBEDMENT INTO CONCRETE

5 / S-0.1 BUILT-UP JAMB STUD ANCHORAGE
SCALE: 1"=1'-0"

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

GENERAL NOTES CONT'D

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

S^e STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-0.1
PROJECT NO. SE#23053
SHT 2 OF 10
REV 0

23053-TRAVEL CENTER, TUCUMCARI NM.DWG

Tuesday, July 18, 2023 BY JORDAN HUNT

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements - add additional rows as needed.)	Submittal review, shop (3) and/or field inspection				
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection		Periodic or as required by the research report issued by an approved source		
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate pier designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and top elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection		Periodic or as required by the research report issued by an approved source		
3. Carbon fiber reinforcing strip materials: Verify application of product in accordance with approved submittals and manufacturer's specifications. Perform bond testing.	Field inspection		Periodic		
1705.2.1 Structural Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, Section N 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal	1	
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic	1	
3. Structural steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Shop (3) and field inspection		Observe or Perform as noted (4)		
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2)	Shop (3) and field inspection		Observe (4)		
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	1	
d. Nondestructive testing (NDT) of welded joints: *see Commentary*					
1) Complete penetration groove welds 5/16" or greater in *risk category* III or IV	Shop (3) or field ultrasonic testing - 100%		Periodic		
2) Complete penetration groove welds 5/16" or greater in *risk category* II	Shop (3) or field ultrasonic testing - 10% of welds minimum		Periodic		
3) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing		Periodic		
4) Fabricator's NDT reports when fabricator performs NDT	Verify reports		Each submittal (5)		
4. Structural steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1)			Observe or Perform as noted (4)		
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)			Observe (4)		
1) Pre-tensioned and slip-critical joints					
a) Turn-of-nut with matching markings			Periodic		
b) Direct tension indicator			Periodic		
c) Twist-off type tension control bolt			Periodic		
d) Turn-of-nut without matching markings			Continuous		
e) Calibrated wrench			Continuous		
2) Snug-tight joints		Y	Periodic	1	
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)			Perform (4)		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
5. Visual inspection of exposed cut surfaces of galvanized structural steel main members and exposed corners of the rectangular HSS for cracks subsequent to galvanizing	Shop (3) or field inspection		Periodic		
6. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic	1	
7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic	1	
1705.2.2 Cold-Formed Steel Deck					
1. Manufacturer documents (Verify reports and certificates as listed in SDI QA/QC, Section 2, Paragraphs 2.1 and 2.2 for compliance with construction documents)	Submittal Review	Y	Each submittal	1	
2. Material verification of steel deck, mechanical fasteners and welding materials	Shop (3) and field inspection	Y	Periodic	1	
3. Cold-formed steel deck placement:	Shop (3) and field inspection				
a. Inspection tasks Prior to Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.1)			Perform (4)		
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2)			Perform (4)		
4. Cold-formed steel deck welding:	Shop (3) and field inspection				
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)			Observe (4)		
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)			Observe (4)		
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		Y	Perform (4)	1	
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection				
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)			Observe (4)		
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)			Observe (4)		
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		Y	Perform (4)	1	
1705.2.3. Open-Web Steel Joists and Joist Girders					
1. Installation of open-web steel joists and joist girders.					
a. End connections - welding or bolted.	per SJI CJ or SJI 100	Y	Periodic	1	
b. Bridging - horizontal or diagonal.					
1) Standard bridging.	per SJI CJ or SJI 100	Y	Periodic	1	
2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.			Periodic		
1705.2.4. Cold-Formed Steel Trusses Spanning 60 feet or Greater					
Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection		Periodic		
1705.3 Concrete Construction					
1. Inspection and placement verification of reinforcing steel and prestressing tendons.	Shop (3) and field inspection	Y	Periodic	1	
2. Reinforcing bar welding:					
a. Verification of weldability of bars other than ASTM A706.			Periodic		
b. Inspection of single-pass fillet welds 5/16 or less in size.			Periodic		
c. Inspection of all other welds.			Continuous		
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic	1	
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source	1	

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
a. Adhesive anchors installed in horizontal or upward-inclined orientation that resist sustained tension loads.			Continuous		
b. Mechanical and adhesive anchors not defined in 4a.		Y	Periodic	1	
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic	1	
6. Prior to placement, fresh concrete sampling, perform slump and air content tests and determine temperature of concrete and perform any other tests as specified in construction documents.	Shop (3) and field inspection	Y	Continuous	1	
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous	1	
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic	1	
9. Inspection of prestressed concrete:	Shop (3) and field inspection				
a. Application of prestressing force			Continuous		
b. Grouting of bonded prestressing tendons			Continuous		
10. Inspect erection of precast concrete members			Periodic		
11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	Y	Periodic	1	
12. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	1	
13. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic	1	
1705.4 Masonry Construction					
MINIMUM VERIFICATION REQUIREMENTS					
(A) Level 1, 2 and 3 Quality Assurance:					
1. Prior to construction, verification of compliance of submittals	Submittal Review		Prior to Construction		
(B) Level 2 & 3 Quality Assurance:					
1. Prior to construction verification of f'm and f'_{AAC} except where specifically required by the code	Testing by unit strength method or prism test method		Prior to Construction		
2. During construction, verification of Slump Flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to project site.	Testing by unit strength method or prism test method		Periodic		
(C) Level 3 Quality Assurance:					
1. During construction, verification of f'm and f'_{AAC} for every 5,000 SF	Testing by unit strength method or prism test method		Periodic		
2. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	Field inspection		Periodic		
MINIMUM SPECIAL INSPECTION REQUIREMENTS					
(D) Levels 2 and 3 Quality Assurance:					
1. As masonry construction begins, verify that the following are in compliance:					
a. Proportions of the site-prepared mortar	Field inspection		Periodic		
b. Grade and size of prestressing tendons and anchorages	Field Inspection		Periodic		
c. Grade, type, and size of reinforcement, anchor bolts, and prestressing tendons and anchorages	Field Inspection		Periodic		
d. Prestressing technique	Field Inspection		Periodic		
e. Properties of thin-bed mortar for AAC masonry (b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field Inspection		Level 2 - Continuous$^{(b)}$ Level 2 - Periodic$^{(c)}$ Level 3 - Continuous		
f. Sample panel construction	Field Inspection		Level 2 - Periodic Level 3 - Continuous		
2. Prior to grouting, verify that the following are in compliance:					
a. Grout space	Field Inspection		Level 2 - Periodic Level 3 - Continuous		
b. Placement of prestressing tendons and anchorages	Field Inspection		Periodic		
c. Placement of reinforcement, connectors, and anchor bolts	Field inspection		Level 2 - Periodic Level 3 - Continuous		
d. Proportions of site-prepared grout and prestresssing grout for bonded tendons	Field Inspection		Periodic		
3. Verify compliance of the following during construction:					
a. Materials and procedures with the approved submittals	Field inspection		Periodic		
b. Placement of masonry units and mortar joint construction	Field Inspection		Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
c. Size and location of structural members	Field inspection		Periodic		
d. Type, size, location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	Field inspection		Level 2 - Periodic Level 3 - Continuous		
e. Welding of reinforcement	Field inspection		Continuous		
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)	Field inspection		Periodic		
g. Application and measurement of prestressing force	Field testing		Continuous		
h. Placement of grout and prestressing grout for bonded tendons is in compliance	Field inspection		Continuous		
i. Placement of AAC masonry units and construction of thin-bed mortar joints (b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field inspection		Level 2 - Continuous$^{(b)}$ Level 2 - Periodic$^{©}$ Level 3 - Continuous		
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	Field inspection		Level 2 - Periodic Level 3 - Continuous		
1705.5 Wood Construction					
1. For prefabricated wood structural elements, inspection of the fabrication process and assemblies in accordance with Section 1704.2.5.	In-plant review (3)		Periodic		
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection		Periodic		
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans	Field inspection		Periodic		
4. Metal-plate-connected wood trusses:					
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60".	Field inspection		Periodic		
b. For trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection		Periodic		
1705.6 Soils					
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic	1	
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic	1	
3. Perform classification and testing of compacted fill materials.	Field inspection	Y	Periodic	1	
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Y	Continuous	1	
5. Prior to placement of controlled fill, inspect subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic	1	
1705.7 Driven Deep Foundations					
1. Verify element materials, sizes and lengths comply with requirements	Field inspection		Continuous		
2. Determine capacities of test elements and conduct additional load tests, as required	Field inspection		Continuous		
3. Inspect driving operations and maintain complete and accurate records for each element	Field inspection		Continuous		
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	Field inspection		Continuous		
5. For steel elements, perform additional inspections per Section 1705.2	See Section 1705.2		See Section 1705.2		
6. For concrete elements and concrete-filled elements, perform tests and additional inspections per Section 1705.3	See Section 1705.3		See Section 1705.3		
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection		In accordance with construction documents		

REVIEWED - GENERAL BUILDING
Chris Archuleta
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NOTE: "Y/N" IS ASSUMED "N" IF NOT MARKED AS "Y".

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
1705.8 Cast-in-Place Deep Foundations					
1.Inspect drilling operations and maintain complete and accurate records for each element	Field inspection		Continuous		
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes	Field inspection		Continuous		
3. For concrete elements, perform tests and additional inspections in accordance with Section 1705.3	See Section 1705.3		See Section 1705.3		
1705.9 Helical Pile Foundations					
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other installation data as required by construction documents.	Field inspection		Continuous		
1705.10 Fabricated items					
1. List of fabricated items requiring special inspection during fabrication:	Shop inspection	Y	As noted in each applicable shop activity	1	
2. List of fabricated items to be fabricated on the premises of a fabricator approved to perform such work without special inspection (including name of approved agency providing periodic auditing):					
1705.11.1 Structural Wood Special Inspections For Wind Resistance					
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection		Continuous		
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection		Periodic		
1705.11.2 Cold-formed Steel Special Inspections For Wind Resistance					
1.Inspection during welding operations of elements of the main windforce-resisting system	Shop (3) and field inspection		Periodic		
2. Inspection of screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs.	Shop (3) and field inspection		Periodic		
1705.11.3 Wind-resisting Components					
1. Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection	Y	Periodic	1	
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection		Periodic		
1705.12.1 Structural Steel Special Inspections for Seismic Resistance					
1. Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection		In accordance with AISC 341		
2. Structural steel elements in SDC B, C, D, E, or F other than those in Item 1. including struts, collectors, chords and foundation elements.	Shop (3) and field inspection		In accordance with AISC 341		
1705.12.2 Structural Wood Special Inspections for Seismic Resistance					
1. Field gluing operations of elements of the seismic-force resisting system for SDC C, D, E or F.	Field inspection		Continuous		
2. Nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection		Periodic		
1705.12.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. During welding operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Shop (3) and field inspection		Periodic		
2. Screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection		Periodic		
1705.12.4 Designated Seismic Systems Verification Special Inspections for Seismic Resistance					
For SDC C, D, E or F, inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with ASCE 7 Section 13.2.2.	Field inspection		Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
1705.12.5 Architectural Components Special Inspections for Seismic Resistance					
1. For SDC D, E or F, inspection during the erection and fastening of exterior cladding and interior or exterior veneer more than 30 feet above grade or walking surface and weighing more than 5 psf.	Field inspection		Periodic		
2. For SDC D, E or F, inspection during the erection and fastening of interior nonbearing walls more than 30 feet above grade or walking surface and weighing more than 15 psf.	Field inspection		Periodic		
3. For SDC D, E or F, inspection during the erection and fastening of exterior nonbearing walls more than 30 feet above grade or walking surface.					
4. For SDC D, E or F, inspection during anchorage of access floors	Field inspection		Periodic		
1705.12.6 Plumbing, Mechanical and Electrical Components Special Inspections for Seismic Resistance					
1. Inspection during the anchorage of electrical equipment for emergency or standby power systems in SDC C, D, E or F	Field inspection		Periodic		
2. Inspection during the anchorage of other electrical equipment in SDC E or F	Field inspection		Periodic		
3. Inspection during installation and anchorage of piping systems designed to carry hazardous materials, and their associated mechanical units in SDC C, D, E or F	Field inspection		Periodic		
4. Inspection during the installation and anchorage of HVAC ductwork designed to contain hazardous materials in SDC C, D, E or F	Field inspection		Periodic		
5. Inspection during the installation and anchorage of vibration isolation systems in SDC C, D, E or F where nominal clearance of 1/4 inch or less is required by the approved construction documents	Field inspection		Periodic		
6. Inspection during installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic fire sprinkler systems are installed in structures assigned to SDC C, D, E, or F to verify one of the following unless flexible sprinkler hose fittings are used:					
a. ASCE/SEI 7, Section 13.2.3 minimum required clearances have been provided.	Field inspection		Periodic		
b. A three inch or greater nominal clearance has been provided between fire protection sprinkler system drops and sprigs and: structural members not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping.	Field inspection		Periodic		
1705.12.7 Storage Racks Special Inspections for Seismic Resistance					
Inspection during the anchorage of storage racks 8 feet or greater in height in structures assigned to SDC D, E or F.	Field inspection		Periodic		
1705.12.8 Seismic Isolation Systems					
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system in structures assigned to SDC B, C, D, E or F.	Shop and field inspection		Periodic		
1705.12.9 Cold-formed Steel Special Bolted Moment Frames					
Inspection of installation of cold-formed steel special bolted moment frames in the seismic force-resisting systems in structures assigned to SDC D, E or F.	Field inspection		Periodic		
1705.13.1 Structural Steel Testing for Seismic Resistance					
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test		Periodic		
2. Nondestructive testing of structural steel elements in the seismic force-resisting systems not covered in 1 above including struts, collectors, chords and foundation elements in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test		Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT	Tucumcari Travel Center				
		APPLICABLE TO THIS PROJECT			
MATERIAL / ACTIVITY	**SERVICE**	**Y/N**	**EXTENT**	**AGENT***	**DATE COMPLETED**
1705.13.2 Seismic Certification of Nonstructural Components					
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review		Each submittal		
1705.13.3 Seismic Certification of Designated Seismic Systems					
Review certificate of compliance for designated seismic system components in structures assigned to SDC C, D, E or F	Certificate of compliance review		Each submittal		
1705.13.4 Seismic Isolation Systems					
Test seismic isolation system in accordance with ASCE 7 Section 17.8 in structures assigned to SDC B, C, D, E or F.	Prototype testing		Per ASCE 7		
1705.14 Sprayed Fire-resistant Materials					
1. Verify surface condition preparation of structural members	Field inspection		Periodic		
2. Verify minimum thickness of sprayed fire-resistant materials applied to structural members	Field inspection		Periodic		
3. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design	Field inspection and testing		Per IBC Section 1705.14.5		
4. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field inspection and testing		Per IBC Section 1705.14.6		
5. Condition of finished application	Field inspection		Periodic		
1705.15 Mastic and Intumescent Fire-Resistant Coatings					
Inspect and test mastic and intumescent fire-resistant coatings applied to structural elements and decks per AWCI 12-B	Field inspection and testing		Periodic		
1705.16 Exterior Insulation and Finish Systems (EIFS)					
Inspection of water-resistive barrier over sheathing substrate	Field inspection		Periodic		
1705.17 Fire-Resistant Penetrations and Joints					
1. Inspect penetration firestop systems	Field testing		Per ASTM E2174		
2. Inspect fire-resistant joint systems	Field testing		Per ASTM E2393		
1705.18 Smoke Control Systems					
1. Leakage testing and recording of device locations prior to concealment	Field testing		Periodic		
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification	Field testing		Periodic		

*** INSPECTION AGENTS**

FIRM	**ADDRESS**	**TELEPHONE NO.**
1. AmericSpec Inspection Services		505 587 8187
2		
3.		
4.		

Notes: 1. *The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.*
2. *The list of Special Inspectors may be submitted as a separate document, if noted so above.*
3. *Shop Inspections of fabricated items are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1 and listed in activity 1709.2.*
4. *Observe: Observe on a random basis, operations need not be delayed pending these inspections. Perform: These tasks shall be performed for each welded joint, bolted connection, or steel element.*
5. *NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N6.*

Are *Special Inspections for Seismic Resistance* included in the *Statement of Special Inspections*? **Yes** **No**
Are *Special Inspections for Wind Resistance* included in the *Statement of Special Inspections*? **Yes** **No**
DATE: 04/28/2023

[S.I. REQ'D]

SPECIAL INSPECTIONS & TESTING:

1. REQUIREMENTS FOR SPECIAL INSPECTIONS & TESTING FOR THE PROJECT ARE SPECIFIED IN ACCORDANCE WITH IBC SECTION 1704.3. SCHEDULE OF SPECIAL INSPECTIONS & TESTING REQUIREMENTS IS PROVIDED WITHIN THE CONTRACT DOCUMENTS.
2. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

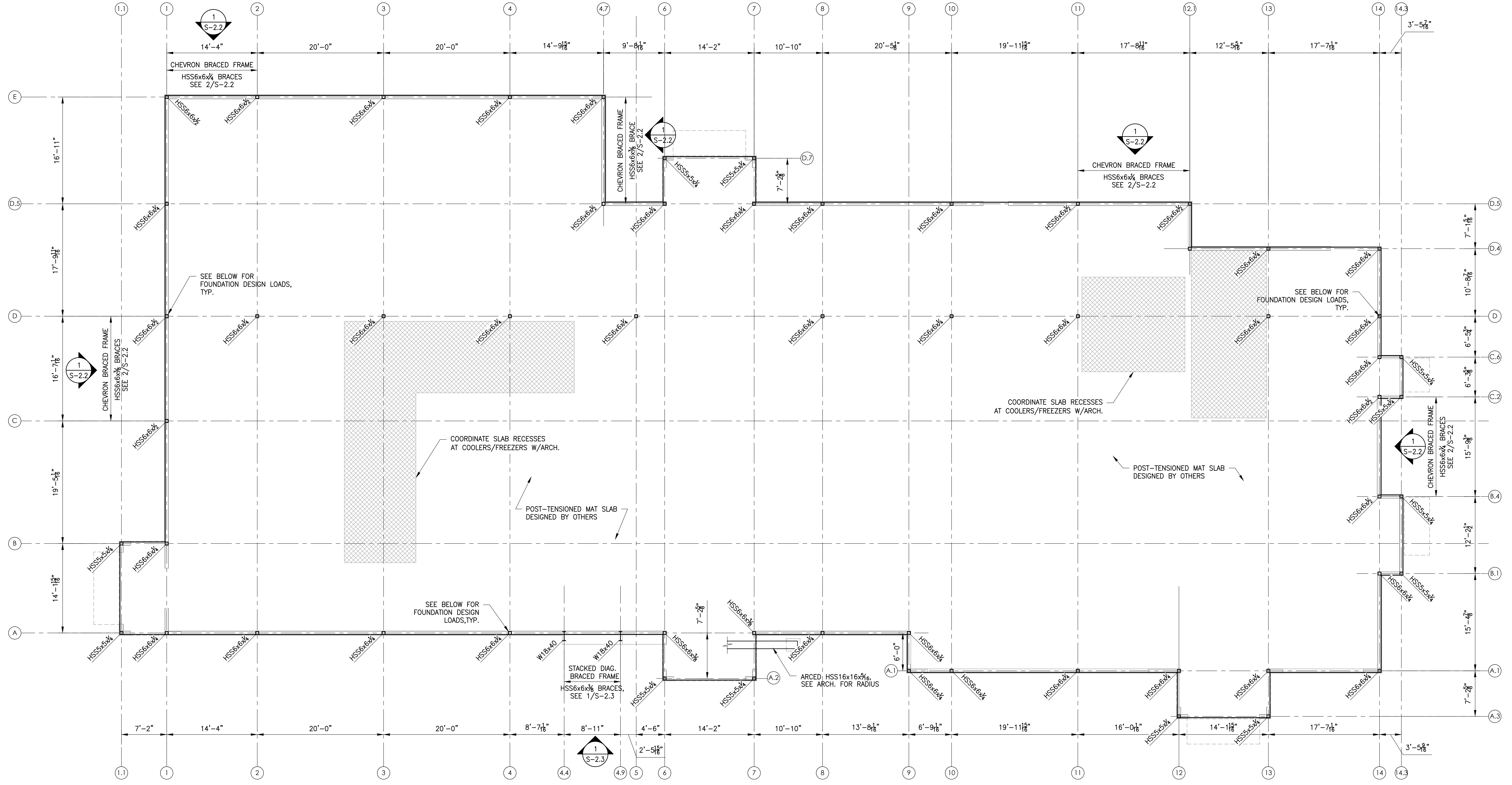
TRAVEL CENTER, TUCUMCARI, NM

GENERAL NOTES CONT'D

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-0.2
PROJECT NO. SE#23053
SHT 3 OF 10
REV 0



LEGEND	
▨	LIGHT GAUGE WALL
☐	HSS POST

REVIEWED - GENERAL BUILDING
Chris Archuleta
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Reactions for Foundation Design (kips)									
Grid	DL	RLL	SL	Wind Y		Wind Z		Wind X	
A.1-10	11.14	7.83	7.63	-	-7.04	-	-	-	-
A.1-11	14.14	10.00	9.43	-	-9.00	-	-	-	-
A.1-12	12.99	9.34	9.49	-	-8.40	-	-	-	-
A.1-13	12.85	9.18	9.77	-	-8.26	-	-	-	-
A.1-14	7.43	4.95	6.73	-	-4.45	-	-	-	-
A.1-9	4.12	2.76	2.97	-	-2.49	-	-	-	-
A.2-6	1.11	0.58	1.14	-	-0.52	-	-	-	-
A.2-7	1.19	0.58	1.14	-	-0.52	-	-	-	-
A.3-12	1.11	0.58	1.14	-	-0.52	-	-	-	-
A.3-13	1.11	0.58	1.14	-	-0.52	-	-	-	-
A-1	5.17	3.49	5.14	-	-3.14	-	-	-	-
A-1.1	1.18	0.65	1.29	-	-0.59	-	-	-	-
A-2	11.94	8.55	8.75	-	-7.69	-	-	-	-
A-3	14.46	10.37	10.00	-	-9.33	-	-	-	-
A-4	1.20	7.15	6.89	-	-6.43	-	-	-	-
A-6	7.94	5.75	6.22	-	-5.17	-	-	-	-
A-7	9.52	6.94	7.37	-	-6.25	-	-	-	-
A-8	8.47	6.09	5.87	-	-5.48	-	-	-	-
A-9	3.79	2.51	2.42	-	-2.26	-	-	-	-
B.1-14	0.82	0.30	0.44	-	-0.27	-	-	-	-
B.1-14.3	0.41	0.15	0.22	-	-0.14	-	-	-	-
B.4-14.3	0.41	0.15	0.22	-	-0.14	-	-	-	-
B-1	1.83	1.13	2.19	-	-1.02	-	-	-	-
B-1.1	1.18	0.65	1.29	-	-0.59	-	-	-	-
B-14	1.17	0.43	0.64	-	-0.39	-	-	-	-
C.2-14.3	0.23	0.08	0.12	-	-0.07	-	-	-	-
C.4-1	1.66	0.90	1.54	-	-0.81	-	-	-	-

COLUMN REACTIONS

Reactions for Foundation Design (kips)									
C.4-14	0.79	0.23	0.32	-	-0.20	-	-	-	-
C.4-14.3	0.75	0.30	0.58	-	-0.27	-	-	-	-
C.6-14	0.38	0.14	0.20	-	-0.13	-	-	-	-
C.6-14.3	0.23	0.08	0.12	-	-0.07	-	-	-	-
C.7-14	0.51	0.09	0.12	-	-0.08	-	-	-	-
C.7-14.3	0.75	0.30	0.58	-	-0.27	-	-	-	-
D.4-12.1	3.68	2.74	3.49	-	-2.46	-	-	-	-
D.4-13	4.14	2.94	3.83	-	-2.64	-	-	-	-
D.4-14	2.94	1.69	2.54	-	-1.52	-	-	-	-
D.5-1	2.20	1.14	1.94	-	-1.03	-	-	-	-
D.5-10	5.62	3.73	4.76	-	-3.35	-	-	-	-
D.5-6	3.69	2.76	4.04	-	-2.48	-	-	-	-
D.5-7	3.70	2.76	4.04	-	-2.48	-	-	-	-
D.5-8	3.96	2.91	3.71	-	-2.62	-	-	-	-
D.7-6	1.14	0.57	1.13	-	-0.52	-	-	-	-
D.7-7	1.13	0.57	1.13	-	-0.52	-	-	-	-
D-10	2.27	14.95	11.77	-	-13.46	-	-	-	-
D-11	25.87	18.50	14.44	-	-16.65	-	-	-	-
D-13	24.45	17.48	14.34	-	-15.73	-	-	-	-
D-14	9.67	6.58	8.60	-	-5.92	-	-	-	-
D-2	19.22	14.23	11.86	-	-12.80	-	-	-	-
D-3	23.24	17.16	13.17	-	-15.44	-	-	-	-
D-4	22.80	16.81	13.19	-	-15.13	-	-	-	-
D-5	24.33	17.63	14.07	-	-15.86	-	-	-	-
D-8	23.35	16.98	13.34	-	-15.28	-	-	-	-
E-3	9.76	7.06	7.41	-	-6.35	-	-	-	-
E-4	8.55	6.21	6.74	-	-5.59	-	-	-	-
Note: All reactions are unfactored. Values shown are in kips.									

COLUMN REACTIONS CONT.

Reactions for Foundation Design (kips)									
Grid	DL	RLL	SL	Wind Y		Wind Z		Wind X	
A-4.4	6.76	4.53	4.37	14.52	-14.87	-	-	6.91	-7.11
A-4.9	6.71	4.05	3.91	14.58	-14.23	-	-	-	-
B.4-14	0.84	0.31	0.45	30.88	-30.86	15.09	-15.17	-	-
C-1	7.38	5.24	6.60	25.51	-25.50	11.87	-11.93	-	-
C.2-14	0.66	0.24	0.35	31.43	-31.43	15.27	-15.18	-	-
D.5-11	4.56	3.39	4.33	13.22	-13.02	-	-	6.37	-6.29
D.5-12.1	3.68	2.74	3.49	13.22	-13.02	-	-	6.35	-6.23
D.5-4.7	2.27	1.23	1.71	26.91	-26.91	12.55	-12.61	-	-
D-1	7.38	5.24	6.60	25.89	-25.87	11.99	-11.94	-	-
E-1	3.62	2.17	3.03	12.80	-12.77	-	-	5.02	-5.10
E-2	8.41	5.96	6.53	12.77	-12.61	-	-	4.97	-5.01
E-4.7	4.26	3.11	3.82	26.91	-26.91	12.55	-12.61	-	-
Note: All reactions are unfactored. Values shown are in kips.									

BRACE FRAME COLUMN REACTIONS

FOUNDATION PLAN

SCALE: 3⁄16"=1'-0"

NOTES:
1. SEE SHEET S-0.0 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY, VERIFY DIMENSIONS WITH ARCH.
3. SEE ARCH. FOR DIMENSIONS NOT SHOWN.

SOIL NOTE:

THE G.C. SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GEOTECHNICAL REPORT AND THE GEOTECHNICAL ENGINEER OF RECORD, BOTH LISTED ON SHEET S-0.0, FOR SUBSURFACE SOIL REMEDIATION METHODS THAT ARE REQUIRED DUE TO UNSUITABLE SOIL CONDITIONS THAT HAVE BEEN FOUND BELOW THE BUILDING FOOTPRINT PRIOR TO ANY CONSTRUCTION BEGINNING ON THIS PROJECT. THE PROJECT CONSTRUCTION BUDGET SHALL REFLECT A COST CONTINGENCY FOR THE SOIL IMPROVEMENTS THAT ARE REQUIRED. ANY FILL SOILS THAT MAY BE PLACED ON THIS SITE ARE TO BE VERIFIED BY THE GEOTECHNICAL ENGINEER FOR THEIR ADEQUACY. FILL SOIL PLACEMENT SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER AS PART OF THE IBC CHAPTER 17 SPECIAL INSPECTION PROCESS. THIS IS NOTED IN "SECTION 1705.6 – SOILS", OF THE "SCHEDULE OF SPECIAL INSPECTIONS".

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

FOUNDATION PLAN

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

Se STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-1.0
PROJECT NO. SE#23053
SHT 4 OF 10
REV 0

23053-TRAVEL CENTER, TUCUMCARI NM.DWG

Tuesday, July 18, 2023 BY JORDAN HUNT

23053-TRAVEL CENTER, TUCUMCARI NM.DWG

LEGEND	
▨	LIGHT GAUGE WALL
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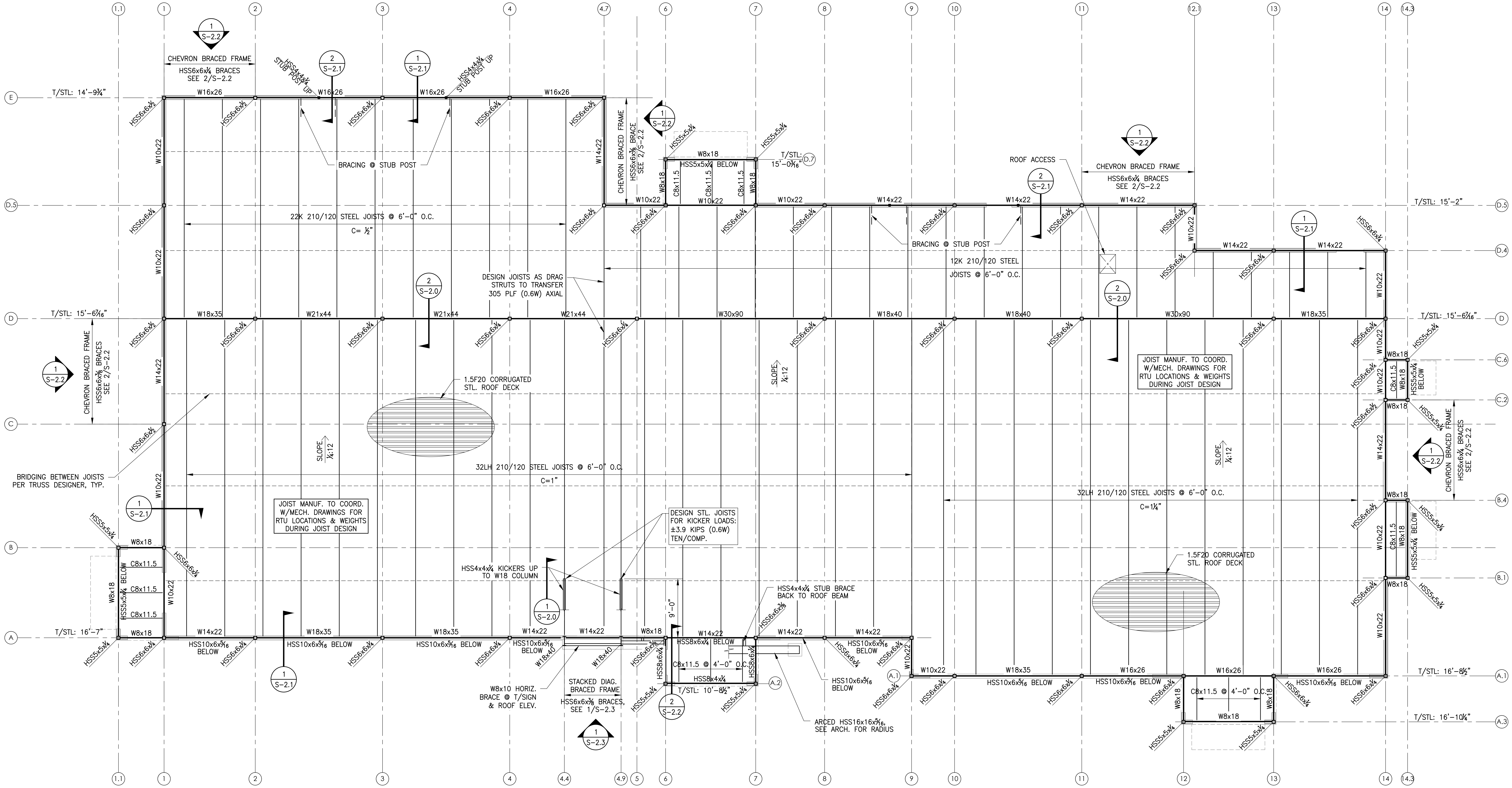

MAIN ROOF FRAMING PLAN

SCALE: ³⁄₁₆"=1'-0"

NOTES:

1. SEE SHEET S-0.0 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY, VERIFY DIMENSIONS WITH ARCH.
3. SEE ARCH. FOR DIMENSIONS NOT SHOWN.
4. ALL TOP OF STEEL ELEVATIONS ARE TO TOP OF STEEL BEAM. ALL ELEVATIONS ARE FOR REFERENCE ONLY AND SHOULD BE VERIFIED WITH ARCH.

MATTHEW J. SMITH
28642
04/26/2023

Tuesday, July 18, 2023 BY JORDAN HUNT

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

ROOF FRAMING PLAN

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

Se STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-1.1
PROJECT NO. SE#23053
SHT 5 OF 10
REV 0

23053–TRAVEL CENTER, TUCUMCARI NM.DWG

LEGEND	
▨	LIGHT GAUGE WALL
☐	HSS POST

REVIEWED -
GENERAL BUILDING
Chris Archuleta
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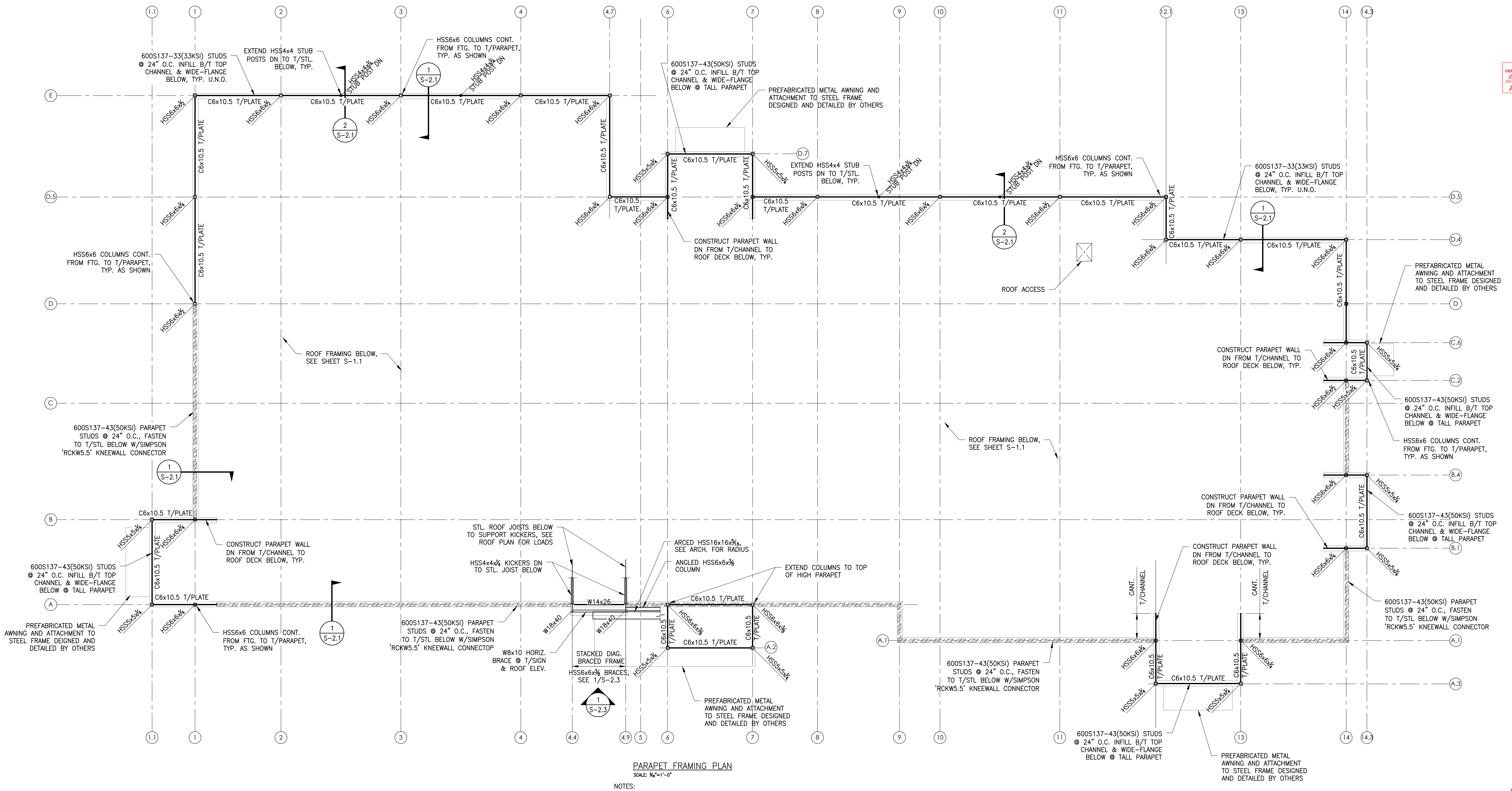

1.1
1
2
3
4
4.7
6
7
8
9
10
11
12.1
13
14
14.3
E
D.7
D.5
D.4
D
C.6
C.2
C
B.4
B
B.1
A
A.1
A.2
A.3
600S137–33(33KSI) STUDS @ 24" O.C. INFILL B/T TOP CHANNEL & WIDE–FLANGE BELOW, TYP. U.N.O.
EXTEND HSS4x4 STUB POSTS DN TO T/STL. BELOW, TYP.
HSS4x4x¼ STUB POST DN
HSS6x6 COLUMNS CONT. FROM FTG. TO T/PARAPET, TYP. AS SHOWN
1 S–2.1
2 S–2.1
C6x10.5 T/PLATE
HSS6x6x½
HSS6x6x¼
HSS5x5x¼
HSS6x6x⅜
600S137–43(50KSI) STUDS @ 24" O.C. INFILL B/T TOP CHANNEL & WIDE–FLANGE BELOW @ TALL PARAPET
PREFABRICATED METAL AWNING AND ATTACHMENT TO STEEL FRAME DESIGNED AND DETAILED BY OTHERS
CONSTRUCT PARAPET WALL DN FROM T/CHANNEL TO ROOF DECK BELOW, TYP.
ROOF ACCESS
ROOF FRAMING BELOW, SEE SHEET S–1.1
600S137–43(50KSI) PARAPET STUDS @ 24" O.C., FASTEN TO T/STL BELOW W/SIMPSON 'RCKW5.5' KNEEWALL CONNECTOR
600S137–43(50KSI) PARAPET STUDS @ 24" O.C., FASTEN TO T/STL BELOW W/SIMPSON 'RCKW5.5' KNEEWALL CONNECTOP
STL. ROOF JOISTS BELOW TO SUPPORT KICKERS, SEE ROOF PLAN FOR LOADS
HSS4x4x¼ KICKERS DN TO STL. JOIST BELOW
ARCED HSS16x16x5⁄16, SEE ARCH. FOR RADIUS
ANGLED HSS6x6x⅜ COLUMN
EXTEND COLUMNS TO TOP OF HIGH PARAPET
W14x26
W18x40
W8x10 HORIZ. BRACE @ T/SIGN & ROOF ELEV.
STACKED DIAG. BRACED FRAME
HSS6x6x⅜ BRACES, SEE 1/S–2.3
1 S–2.3
CANT. T/CHANNEL
4.4
4.9
5

PARAPET FRAMING PLAN

SCALE: 3⁄16"=1'–0"

NOTES:
1. SEE SHEET S–0.0 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY, VERIFY DIMENSIONS WITH ARCH.
3. SEE ARCH. FOR DIMENSIONS NOT SHOWN.

MATTHEW J. SMITH
28642
04/26/2023

Tuesday, July 18, 2023 BY JORDAN HUNT

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

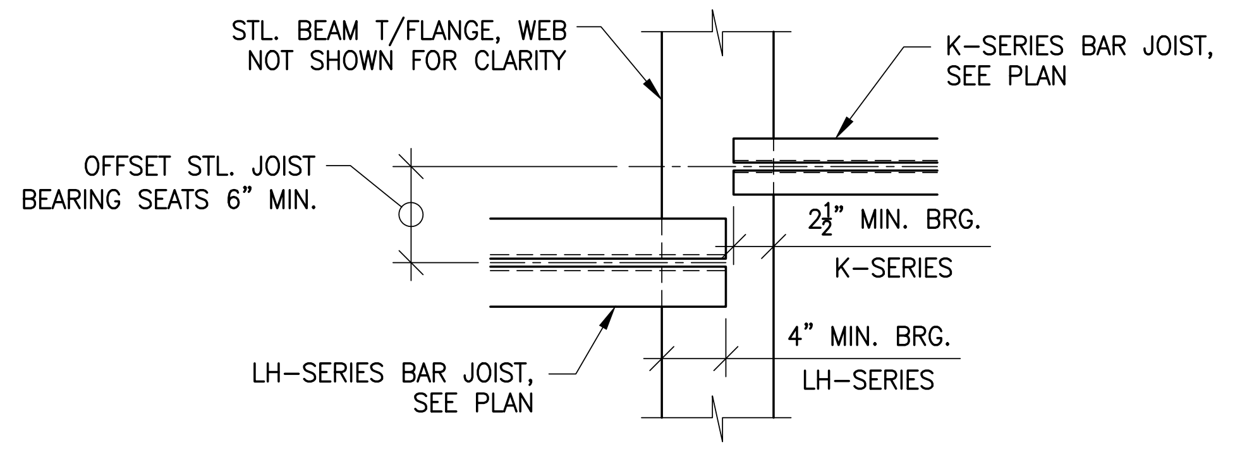
TRAVEL CENTER, TUCUMCARI, NM

PARAPET FRAMING PLAN

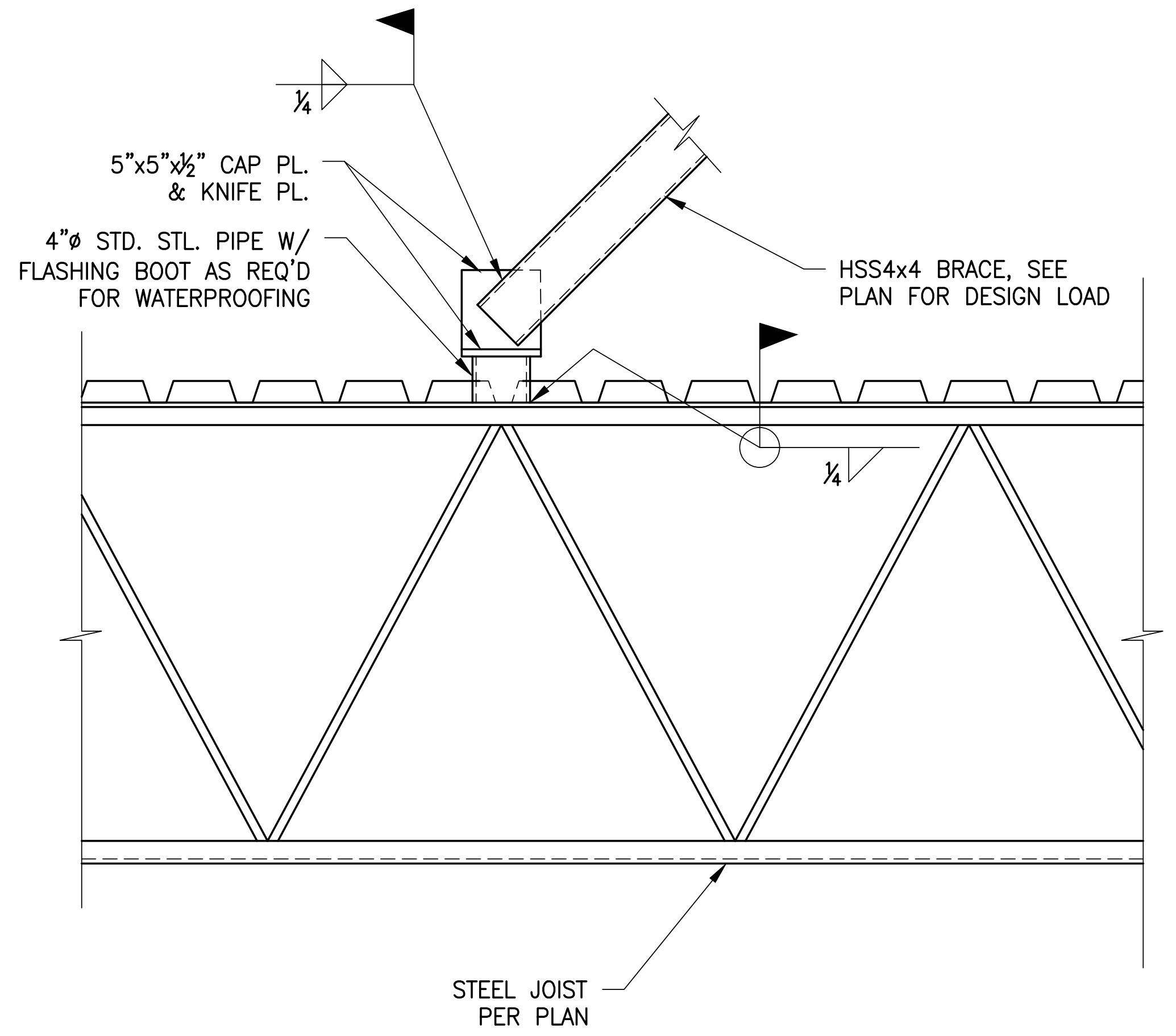
SCALE:	NOTED
DATE:	04/26/2023
DRWN BY: JH	CHKD BY: MS

STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

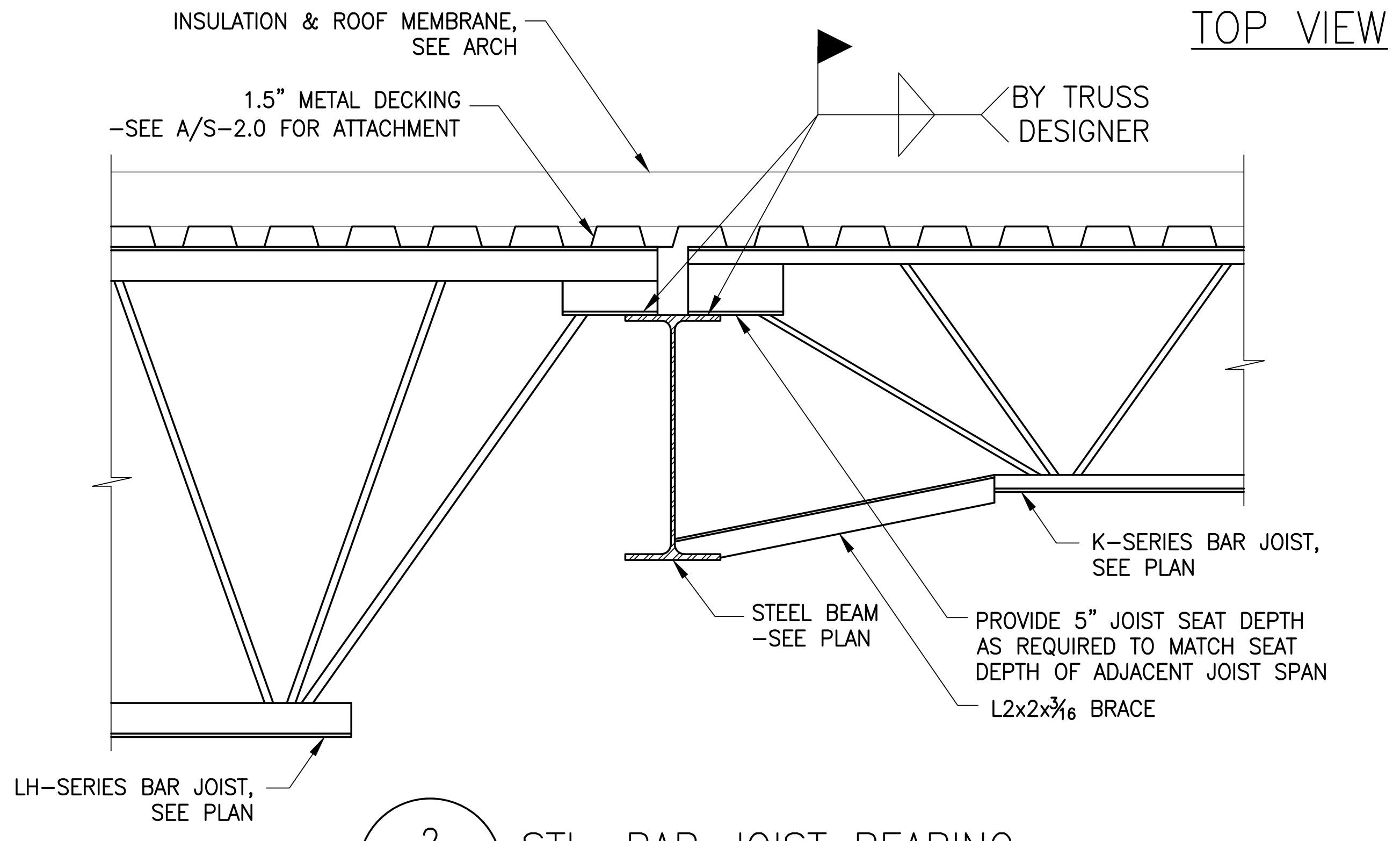
SHEET NUMBER: S–1.2		
PROJECT NO. SE#23053	SHT 6 OF 10	REV 0


STL. BEAM T/FLANGE, WEB NOT SHOWN FOR CLARITY
K-SERIES BAR JOIST, SEE PLAN
OFFSET STL. JOIST BEARING SEATS 6" MIN.
2½" MIN. BRG.
K-SERIES
4" MIN. BRG.
LH-SERIES
LH-SERIES BAR JOIST, SEE PLAN

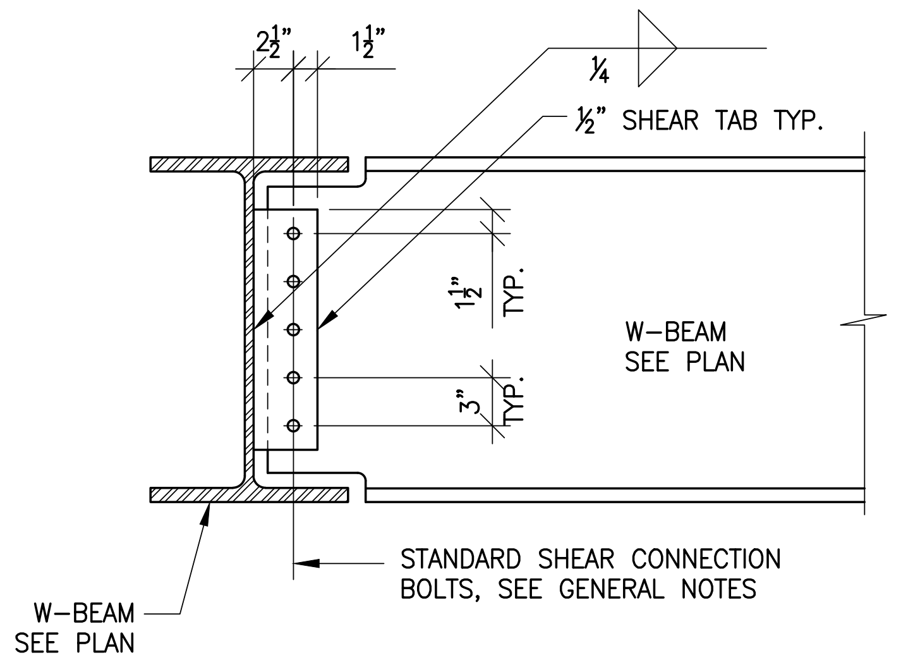
TOP VIEW


1/4
5"x5"x½" CAP PL. & KNIFE PL.
4"ø STD. STL. PIPE W/ FLASHING BOOT AS REQ'D FOR WATERPROOFING
HSS4x4 BRACE, SEE PLAN FOR DESIGN LOAD
1/4
STEEL JOIST PER PLAN

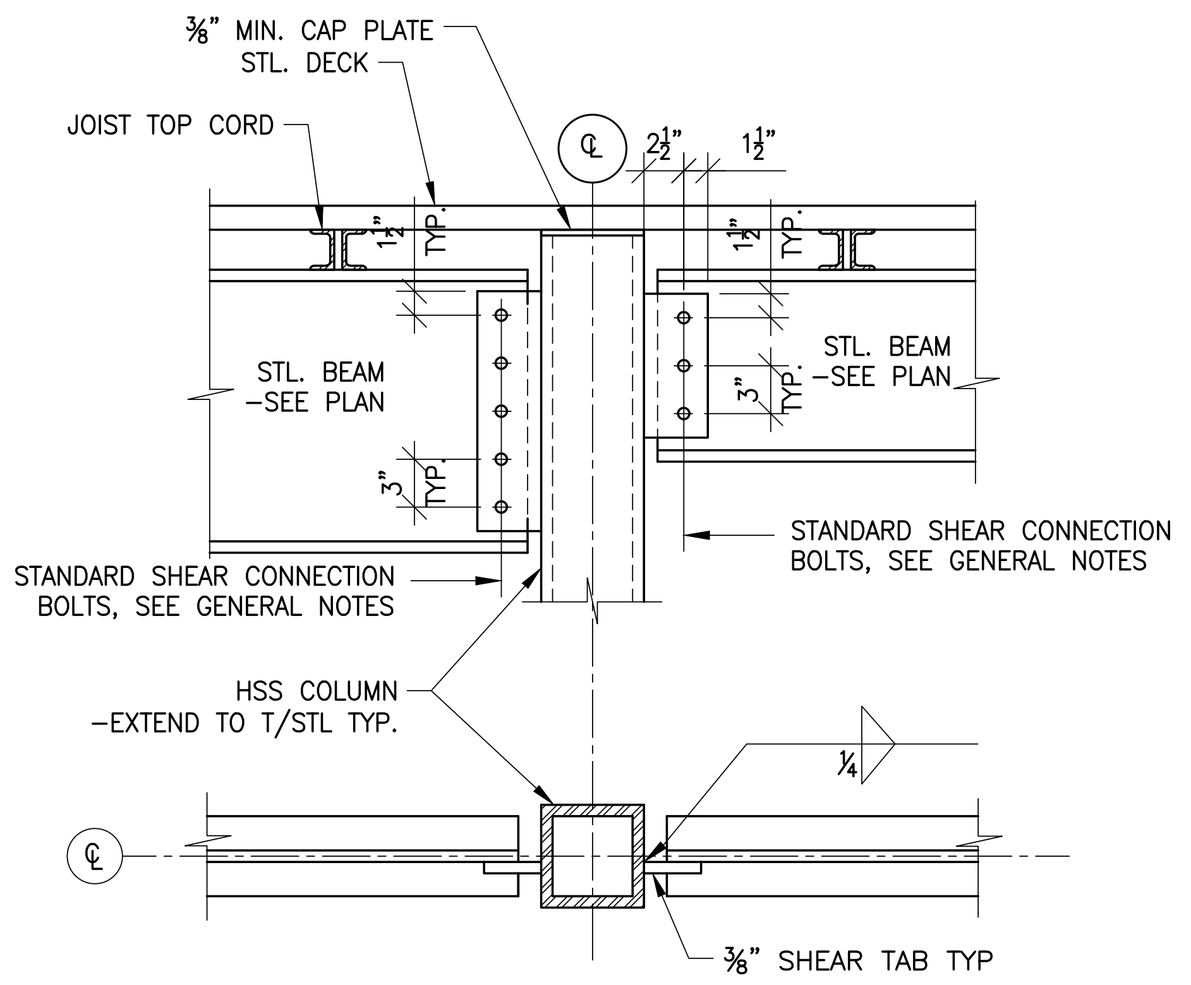
1
S-2.0
SIGN BRACE CONNECTION
SCALE: 1"=1'-0"


INSULATION & ROOF MEMBRANE, SEE ARCH
1.5" METAL DECKING -SEE A/S-2.0 FOR ATTACHMENT
BY TRUSS DESIGNER
K-SERIES BAR JOIST, SEE PLAN
STEEL BEAM -SEE PLAN
PROVIDE 5" JOIST SEAT DEPTH AS REQUIRED TO MATCH SEAT DEPTH OF ADJACENT JOIST SPAN
L2x2x3/16 BRACE
LH-SERIES BAR JOIST, SEE PLAN

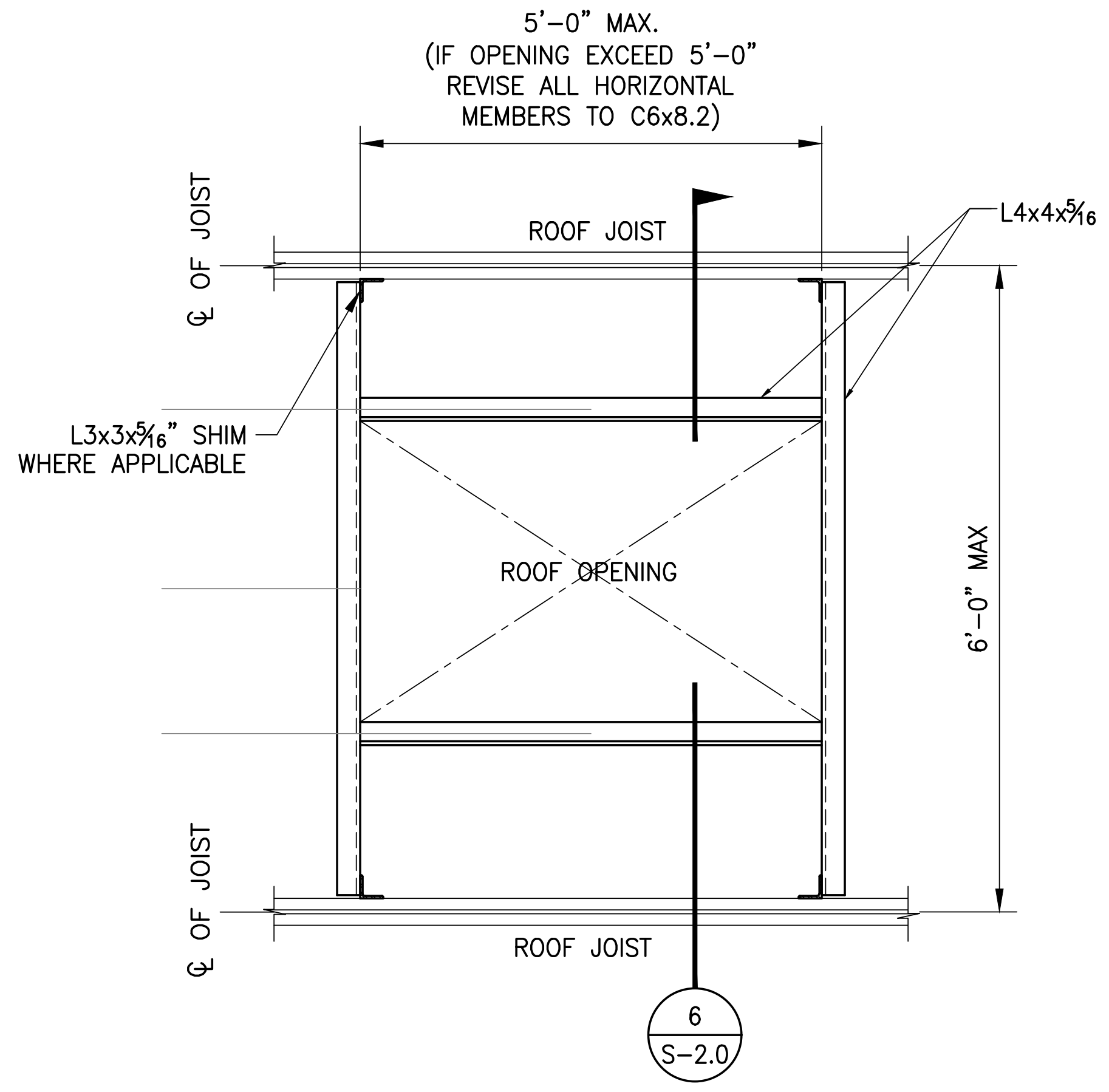
2
S-2.0
STL. BAR JOIST BEARING
SCALE: 1"=1'-0"



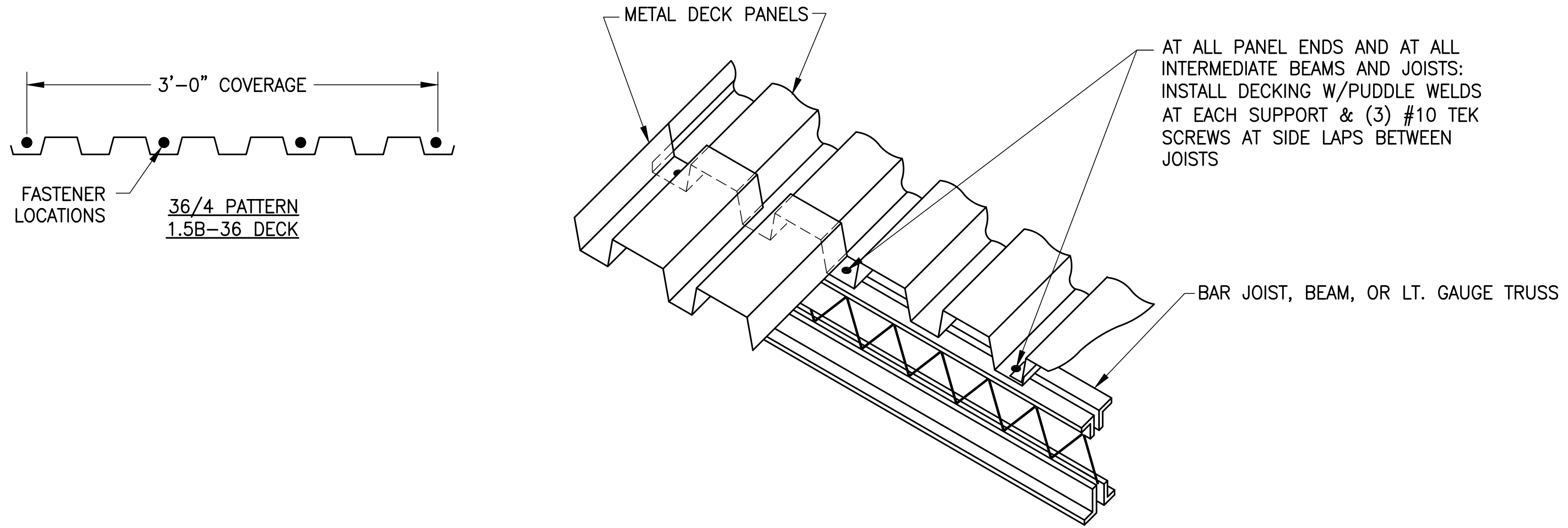
3
S-2.0
TYP. BEAM-BEAM CONNECTION
SCALE: 1"=1'-0"


3/8" MIN. CAP PLATE
STL. DECK
JOIST TOP CORD
℄
2½"
1½"
1½" TYP.
STL. BEAM -SEE PLAN
STL. BEAM -SEE PLAN
3" TYP.
STANDARD SHEAR CONNECTION BOLTS, SEE GENERAL NOTES
STANDARD SHEAR CONNECTION BOLTS, SEE GENERAL NOTES
HSS COLUMN -EXTEND TO T/STL TYP.
1/4
℄
3/8" SHEAR TAB TYP

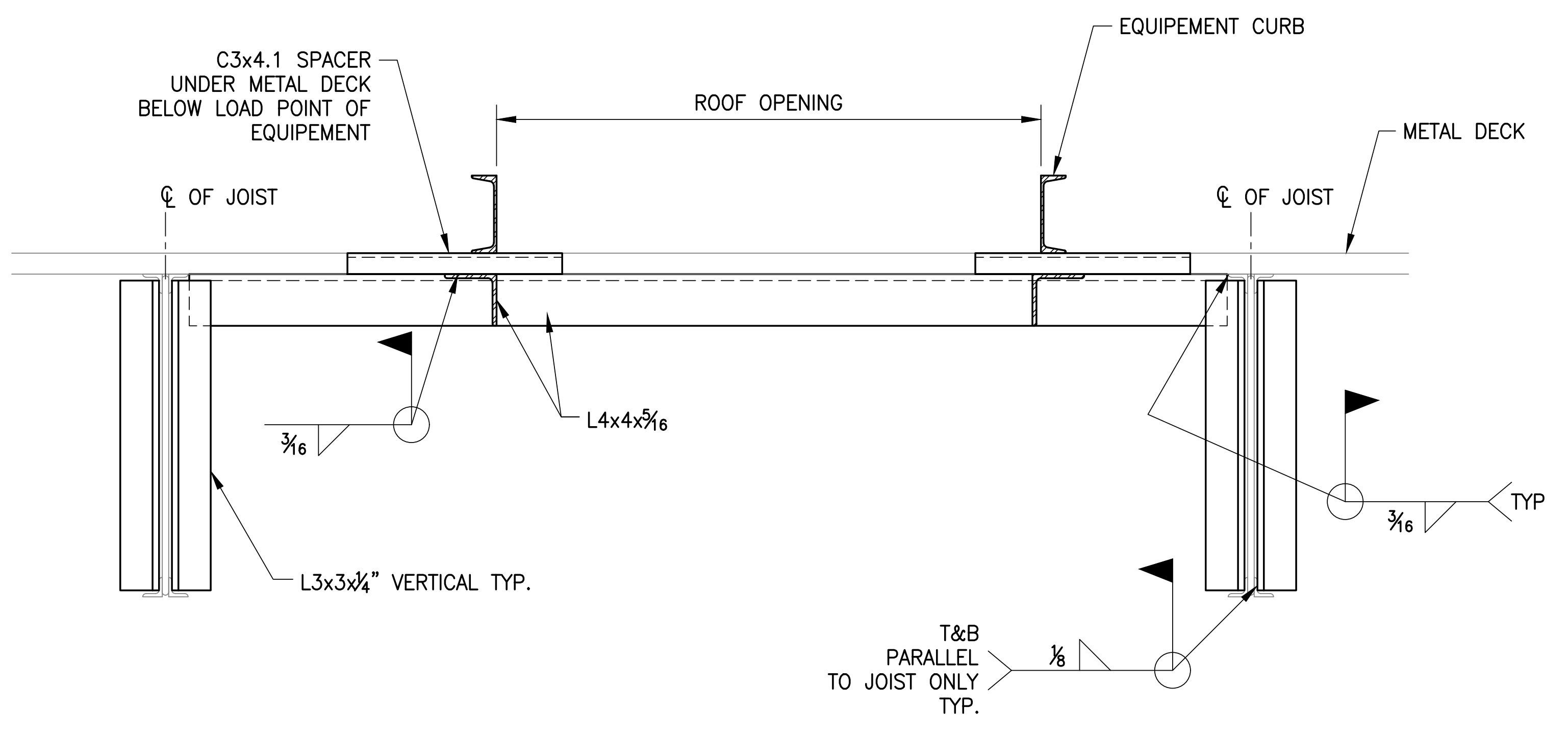
4
S-2.0
TYPICAL BEAM-COLUMN CONNECTION
SCALE: 1"=1'-0"


5'-0" MAX. (IF OPENING EXCEED 5'-0" REVISE ALL HORIZONTAL MEMBERS TO C6x8.2)
℄ OF JOIST
ROOF JOIST
L4x4x5/16
L3x3x5/16" SHIM WHERE APPLICABLE
ROOF OPENING
6'-0" MAX
℄ OF JOIST
ROOF JOIST
6
S-2.0

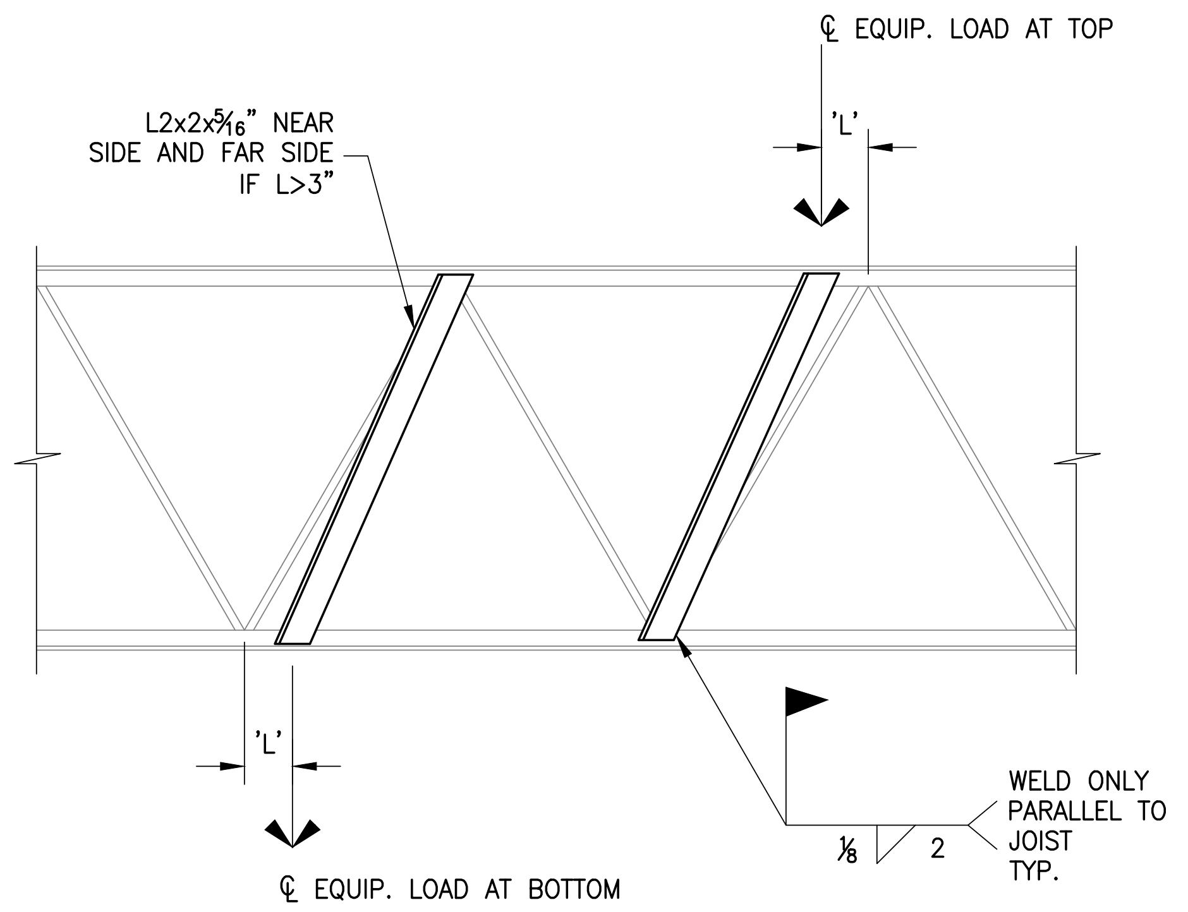
5
S-2.0
TYP. ROOF OPENING FRAME
SCALE: 1/2"=1'-0"


3'-0" COVERAGE
FASTENER LOCATIONS
36/4 PATTERN
1.5B-36 DECK
METAL DECK PANELS
AT ALL PANEL ENDS AND AT ALL INTERMEDIATE BEAMS AND JOISTS: INSTALL DECKING W/PUDDLE WELDS AT EACH SUPPORT & (3) #10 TEK SCREWS AT SIDE LAPS BETWEEN JOISTS
BAR JOIST, BEAM, OR LT. GAUGE TRUSS

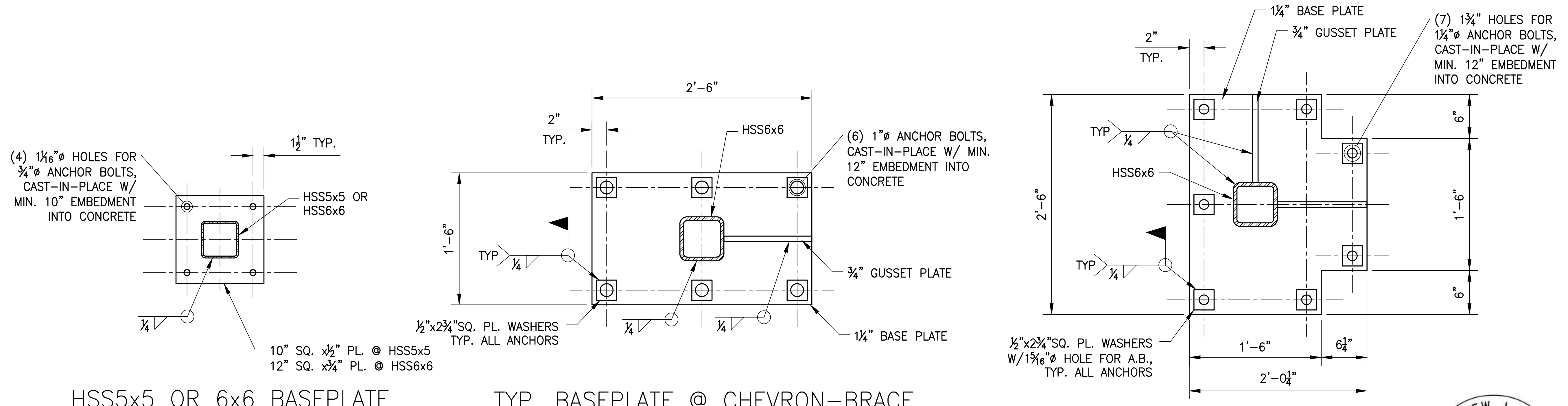
A
S-2.0
DECK ATTACHMENT DETAIL
SCALE: 1"=1'-0"



6
S-2.0
TYP. ROOF OPENING SUPPORT
SCALE: 1"=1'-0"


℄ EQUIP. LOAD AT TOP
'L'
L2x2x5/16" NEAR SIDE AND FAR SIDE IF L>3"
'L'
℄ EQUIP. LOAD AT BOTTOM
WELD ONLY PARALLEL TO JOIST TYP.
1/8
2

7
S-2.0
STIFFENED JOIST
SCALE: 1"=1'-0"


(4) 1 1/16"ø HOLES FOR ¾"ø ANCHOR BOLTS, CAST-IN-PLACE W/ MIN. 10" EMBEDMENT INTO CONCRETE
1½" TYP.
HSS5x5 OR HSS6x6
1/4
10" SQ. x½" PL. @ HSS5x5
12" SQ. x¾" PL. @ HSS6x6
2'-6"
2" TYP.
HSS6x6
(6) 1"ø ANCHOR BOLTS, CAST-IN-PLACE W/ MIN. 12" EMBEDMENT INTO CONCRETE
1'-6"
TYP
1/4
¾" GUSSET PLATE
½"x2¾"SQ. PL. WASHERS TYP. ALL ANCHORS
1/4
1/4
1¼" BASE PLATE
2" TYP.
1¼" BASE PLATE
¾" GUSSET PLATE
(7) 1¾" HOLES FOR 1¼"ø ANCHOR BOLTS, CAST-IN-PLACE W/ MIN. 12" EMBEDMENT INTO CONCRETE
TYP
1/4
HSS6x6
2'-6"
6"
1'-6"
6"
TYP
1/4
½"x2¾"SQ. PL. WASHERS W/1 5/16"ø HOLE FOR A.B., TYP. ALL ANCHORS
1'-6"
6¼"
2'-0¼"

HSS5x5 OR 6x6 BASEPLATE

TYP. BASEPLATE @ CHEVRON-BRACE

CORNER BASEPLATE @ CHEVRON-E

C
S-2.0
BASEPLATE DETAILS
SCALE: 1"=1'-0"

NOTES:

1. ALL ANCHOR BOLTS TO BE ASTM F1554 GR36.
2. ANCHORS TO HAVE HEAVY HEX NUT @ EMBEDDED END, TACK WELDED TO ROD.
3. EMBEDMENT DEPTH FROM TOP OF CONCRETE FOOTING TO TOP OF EMBEDDED HEAVY HEX NUT.
4. ALL A.B. AT BRACE LOCATIONS TO HAVE ½"x2¾"SQ. PL. WASHERS WELDED TO T/BASEPLATE. PROVIDE ASTM F844 WASHERS AT ALL OTHER ANCHOR LOCATIONS.

REVIEWED -
GENERAL BUILDING
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A-155698

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

SECTION DETAILS

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-2.0
PROJECT NO. SE#23053
SHT 7 OF 10
REV 0

23053-TRAVEL CENTER, TUCUMCARI NM.DWG

Tuesday, July 18, 2023 BY JORDAN HUNT

REVIEWED -
GENERAL BUILDING
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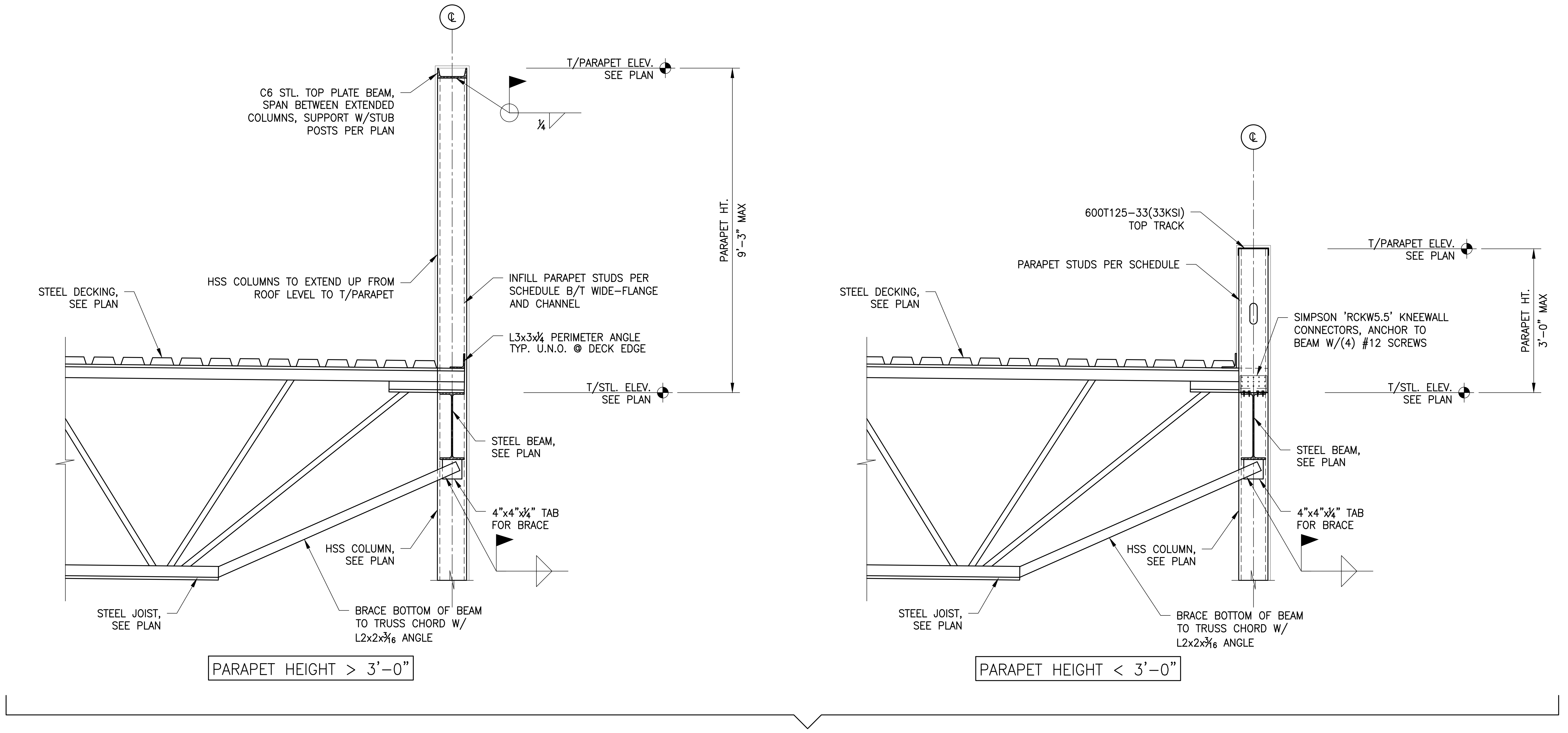
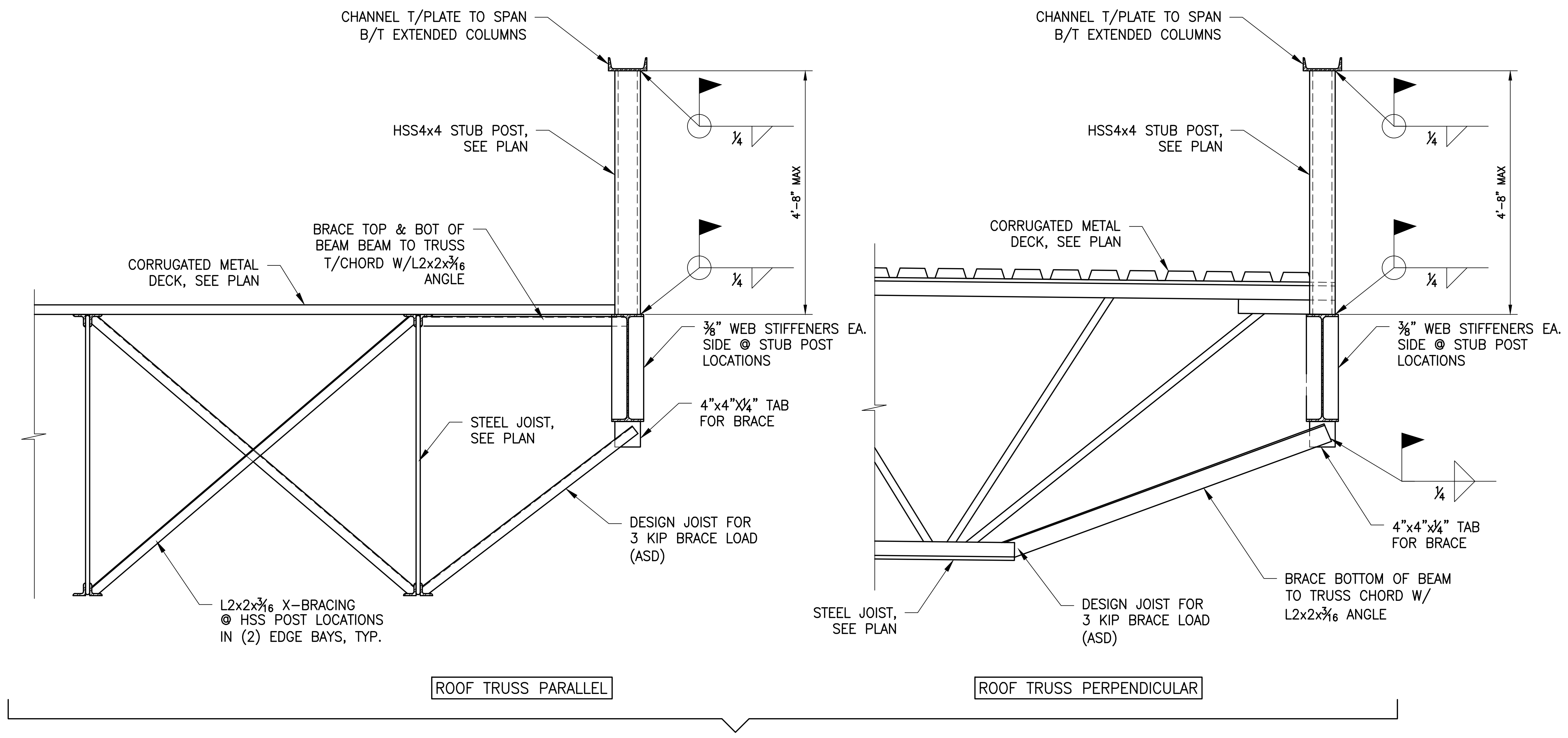


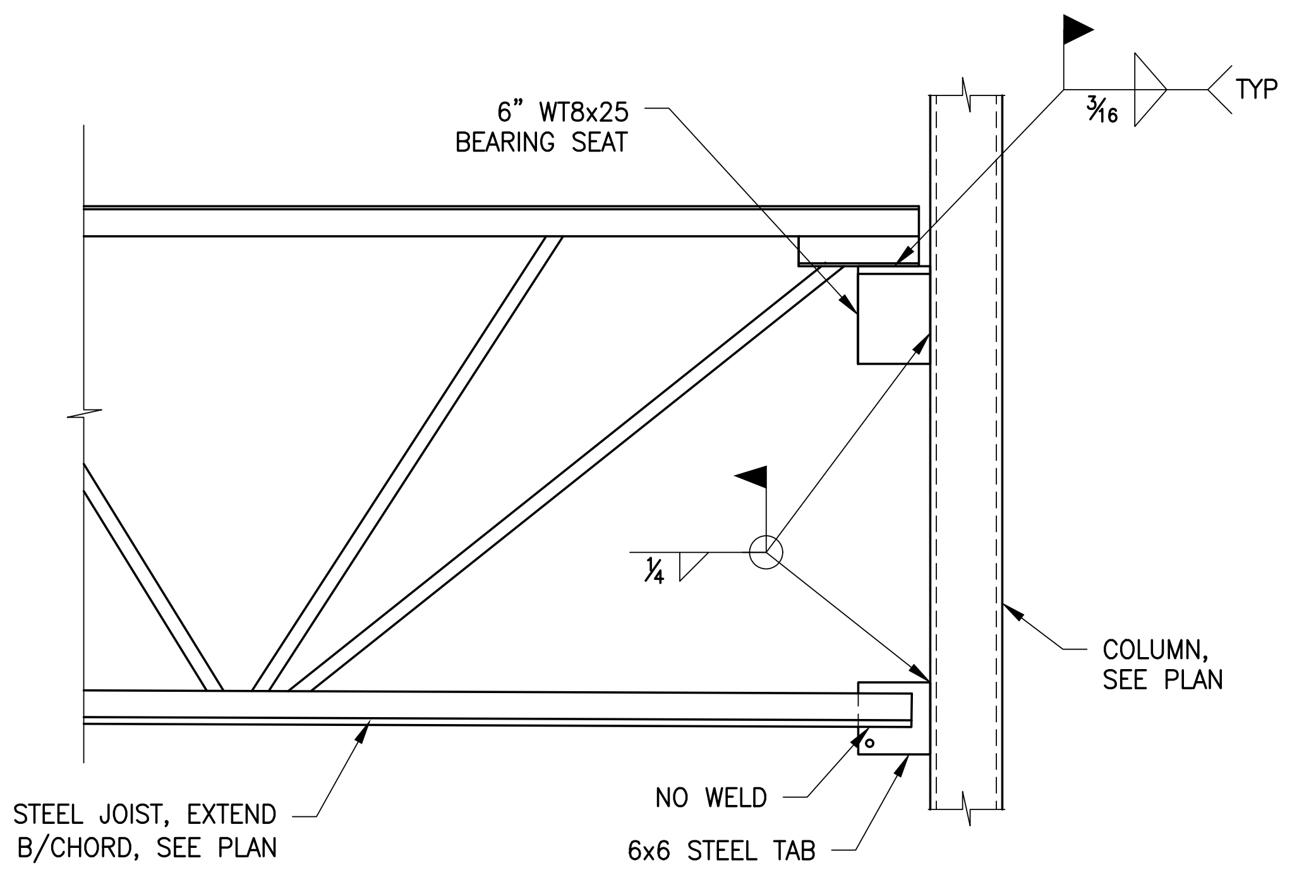
℄
T/PARAPET ELEV. SEE PLAN
C6 STL. TOP PLATE BEAM, SPAN BETWEEN EXTENDED COLUMNS, SUPPORT W/STUB POSTS PER PLAN
¼
PARAPET HT. 9'-3" MAX
HSS COLUMNS TO EXTEND UP FROM ROOF LEVEL TO T/PARAPET
STEEL DECKING, SEE PLAN
INFILL PARAPET STUDS PER SCHEDULE B/T WIDE-FLANGE AND CHANNEL
L3x3x¼ PERIMETER ANGLE TYP. U.N.O. @ DECK EDGE
T/STL. ELEV. SEE PLAN
STEEL BEAM, SEE PLAN
4"x4"x¼" TAB FOR BRACE
HSS COLUMN, SEE PLAN
STEEL JOIST, SEE PLAN
BRACE BOTTOM OF BEAM TO TRUSS CHORD W/ L2x2x3/16 ANGLE
PARAPET HEIGHT > 3'-0"
600T125-33(33KSI) TOP TRACK
PARAPET STUDS PER SCHEDULE
T/PARAPET ELEV. SEE PLAN
STEEL DECKING, SEE PLAN
SIMPSON 'RCKW5.5' KNEEWALL CONNECTORS, ANCHOR TO BEAM W/(4) #12 SCREWS
PARAPET HT. 3'-0" MAX
T/STL. ELEV. SEE PLAN
STEEL BEAM, SEE PLAN
4"x4"x¼" TAB FOR BRACE
HSS COLUMN, SEE PLAN
STEEL JOIST, SEE PLAN
BRACE BOTTOM OF BEAM TO TRUSS CHORD W/ L2x2x3/16 ANGLE
PARAPET HEIGHT < 3'-0"

1
S-2.1
PARAPET SECTIONS
SCALE: 3/4"=1'-0"



CHANNEL T/PLATE TO SPAN B/T EXTENDED COLUMNS
HSS4x4 STUB POST, SEE PLAN
¼
4'-8" MAX
BRACE TOP & BOT OF BEAM BEAM TO TRUSS T/CHORD W/L2x2x3/16 ANGLE
CORRUGATED METAL DECK, SEE PLAN
3/8" WEB STIFFENERS EA. SIDE @ STUB POST LOCATIONS
4"x4"x¼" TAB FOR BRACE
STEEL JOIST, SEE PLAN
DESIGN JOIST FOR 3 KIP BRACE LOAD (ASD)
L2x2x3/16 X-BRACING @ HSS POST LOCATIONS IN (2) EDGE BAYS, TYP.
ROOF TRUSS PARALLEL
CHANNEL T/PLATE TO SPAN B/T EXTENDED COLUMNS
HSS4x4 STUB POST, SEE PLAN
CORRUGATED METAL DECK, SEE PLAN
4'-8" MAX
3/8" WEB STIFFENERS EA. SIDE @ STUB POST LOCATIONS
4"x4"x¼" TAB FOR BRACE
BRACE BOTTOM OF BEAM TO TRUSS CHORD W/ L2x2x3/16 ANGLE
STEEL JOIST, SEE PLAN
DESIGN JOIST FOR 3 KIP BRACE LOAD (ASD)
ROOF TRUSS PERPENDICULAR

2
S-2.1
TORSION BRACE @ STUB POST
SCALE: 3/4"=1'-0"



3
S-2.1
STL. JOIST SEAT
SCALE: 3/4"=1'-0"

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

Tuesday, July 18, 2023 BY: JORDAN HUNT

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

SECTION DETAILS

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

Se STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

SHEET NUMBER: S-2.1
PROJECT NO. SE#23053
SHT 8 OF 10
REV 0

23053-TRAVEL CENTER, TUCUMCARI NM.DWG

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GENERAL BUILDING
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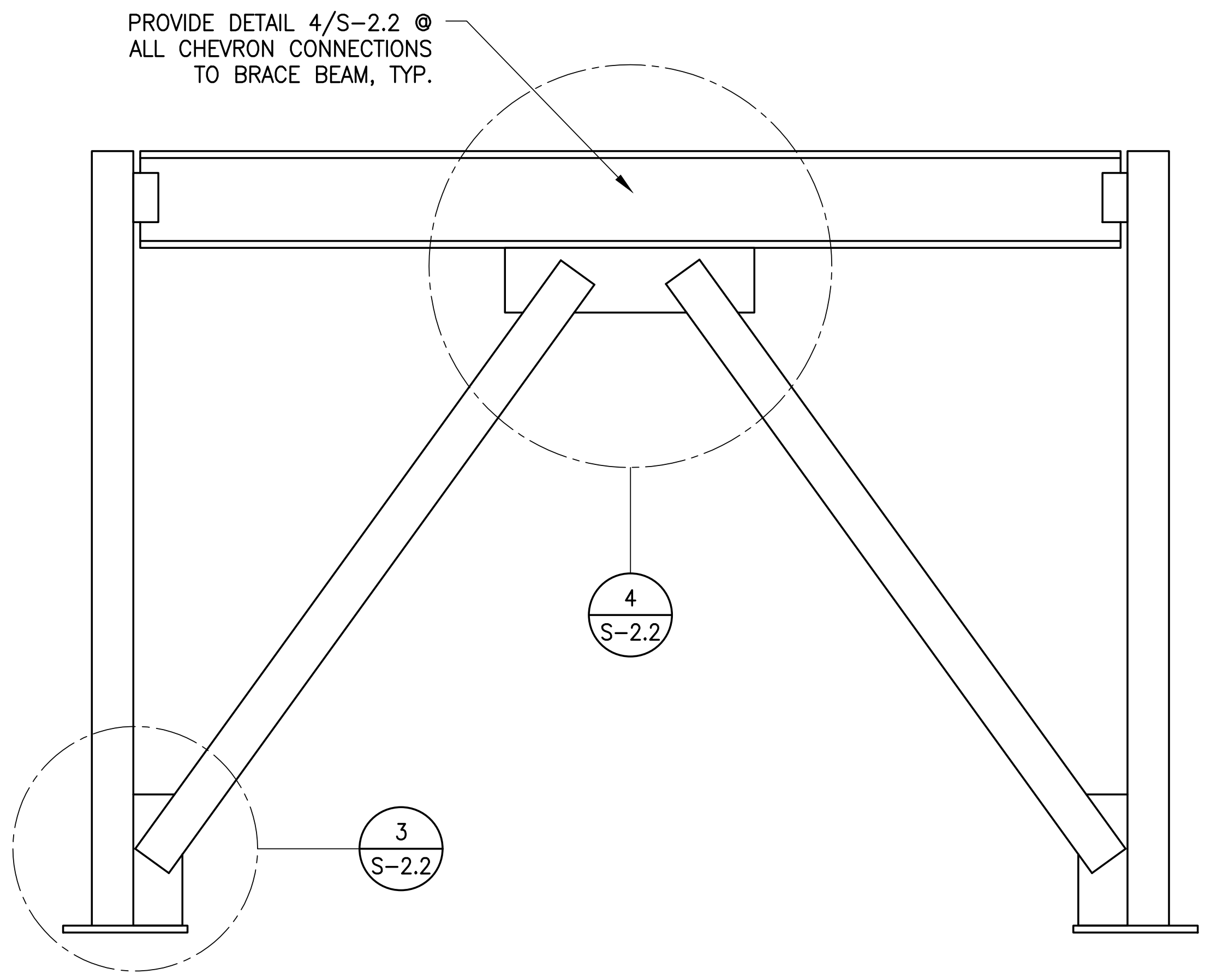
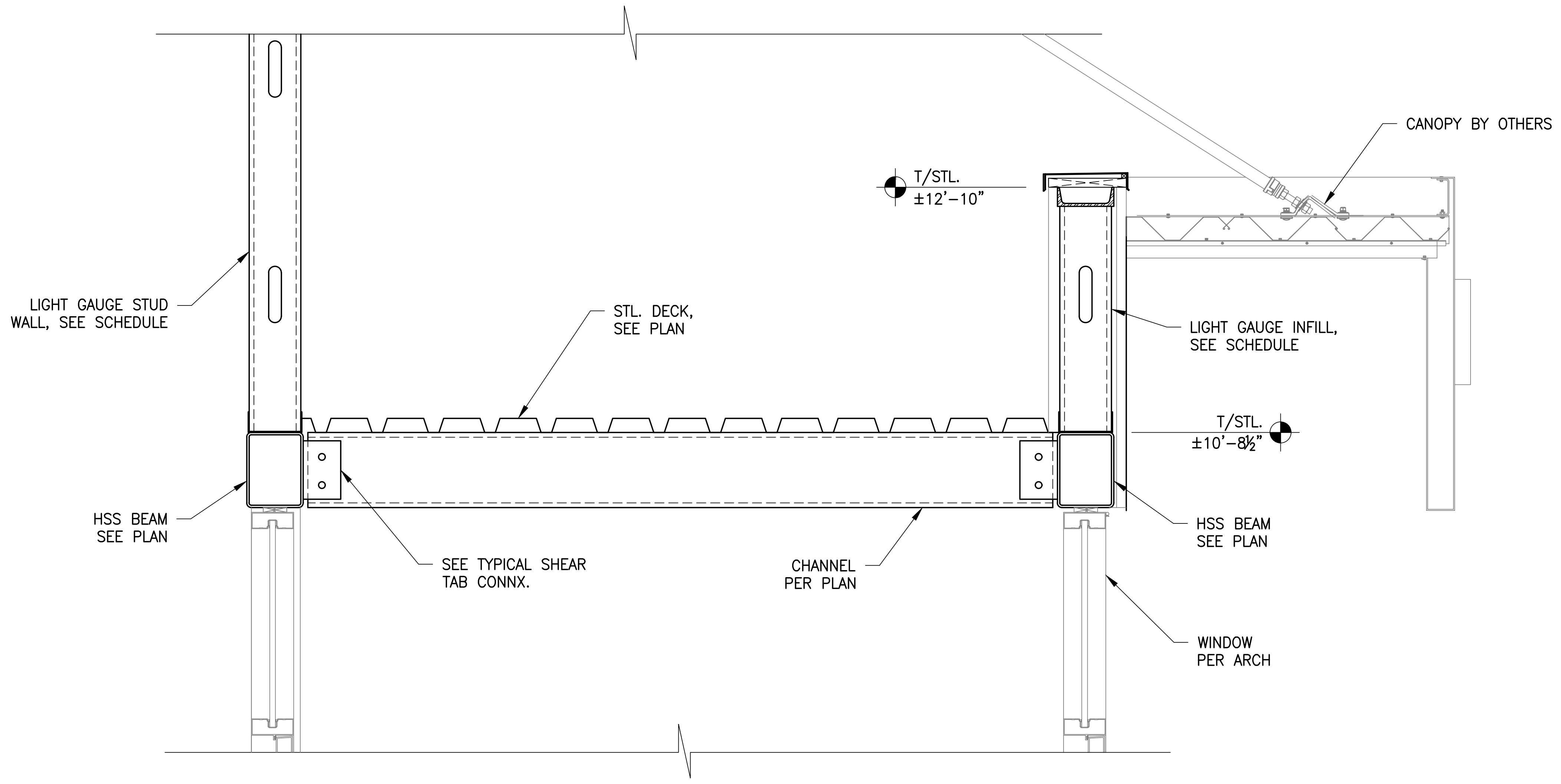


PROVIDE DETAIL 4/S-2.2 @ ALL CHEVRON CONNECTIONS TO BRACE BEAM, TYP.
4
S-2.2
3
S-2.2

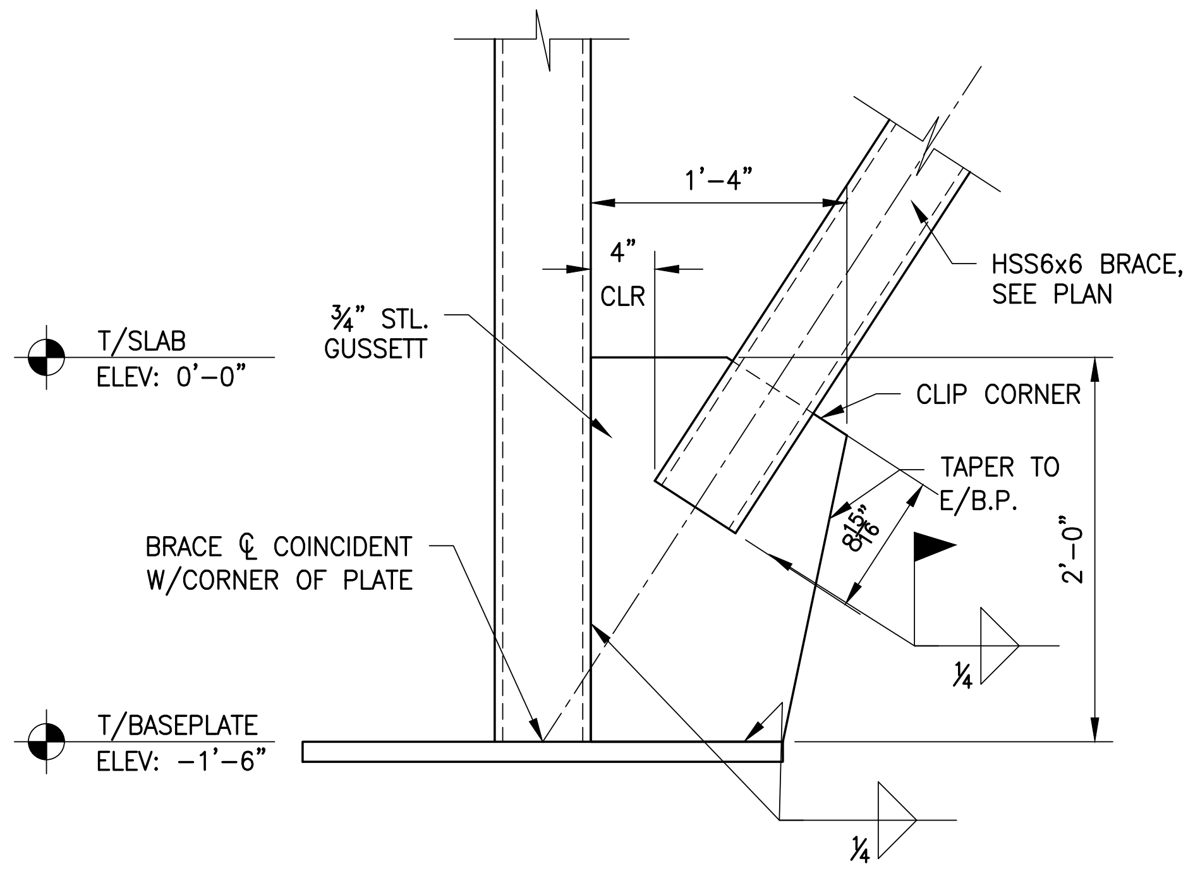
1 S-2.2 CHEVRON BRACE FRAME KEY

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



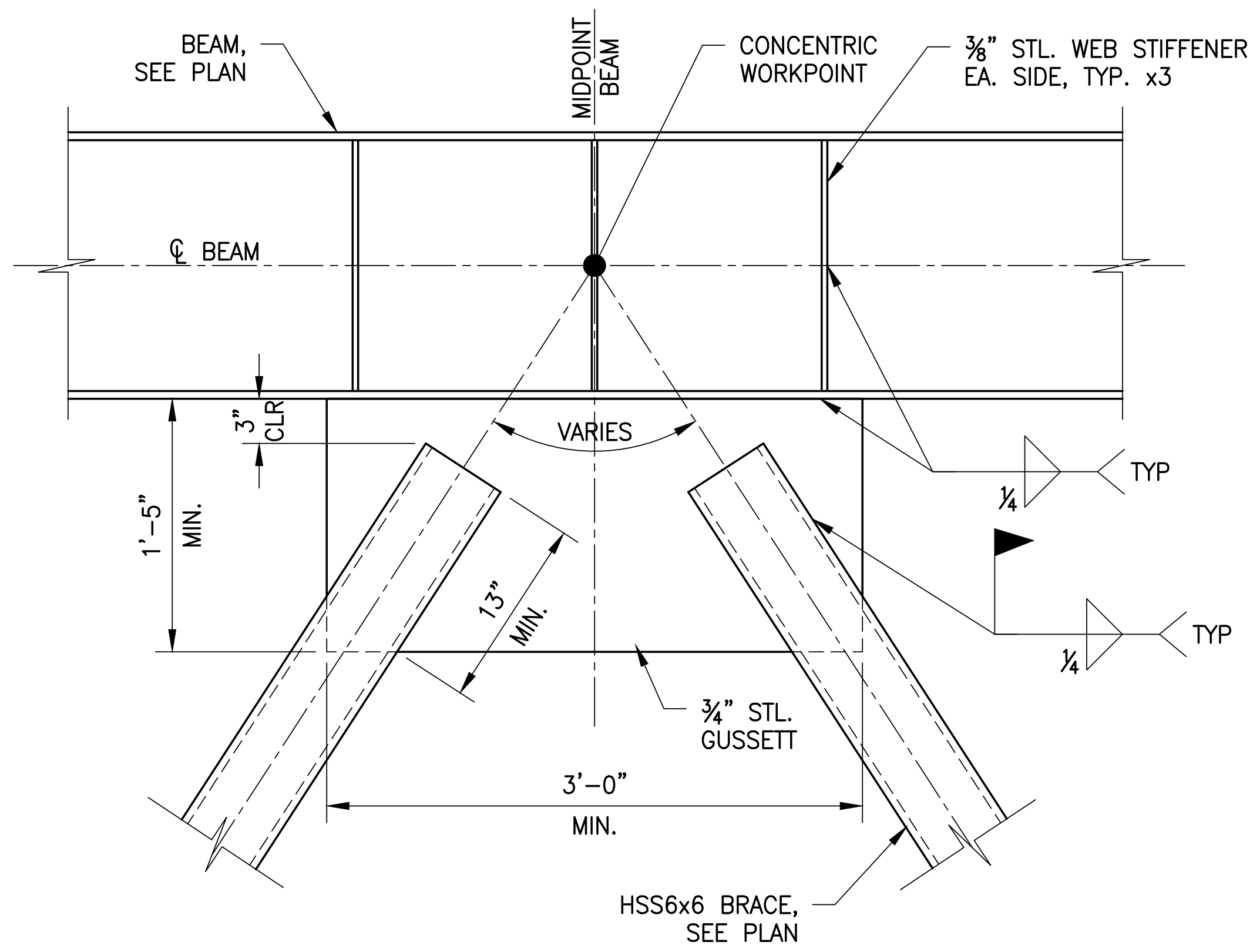
2 S-2.2 FRONT ENTRY SECTION

SCALE: 1"=1'-0"



3 S-2.2 BRACE TO BASEPLATE DETAIL

SCALE: 1"=1'-0"



4 S-2.2 CHEVRON BRACE DETAIL

SCALE: 1"=1'-0"

MATTHEW J. SMITH
28642
04/26/2023

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TRAVEL CENTER, TUCUMCARI, NM

SECTION DETAILS

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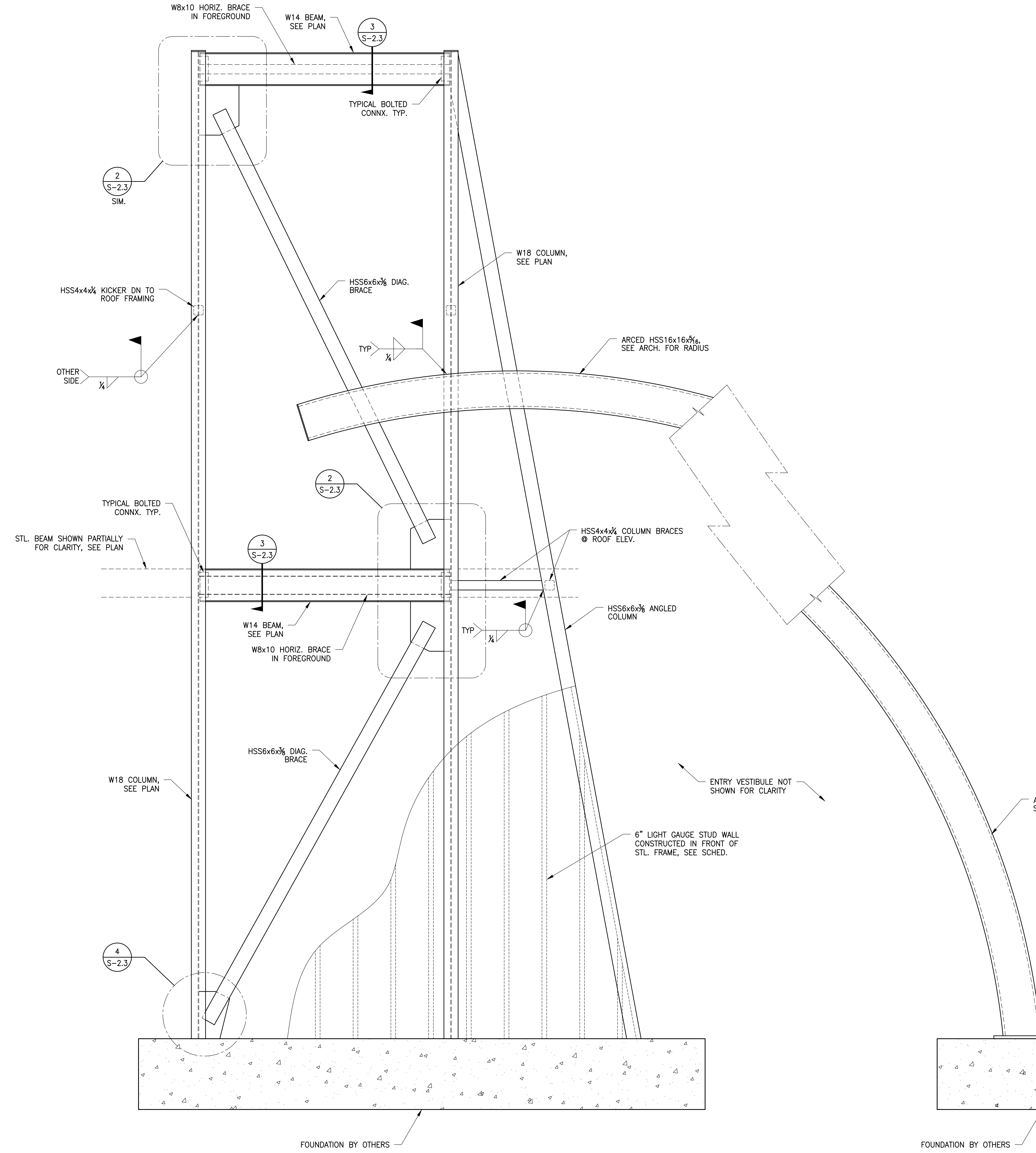
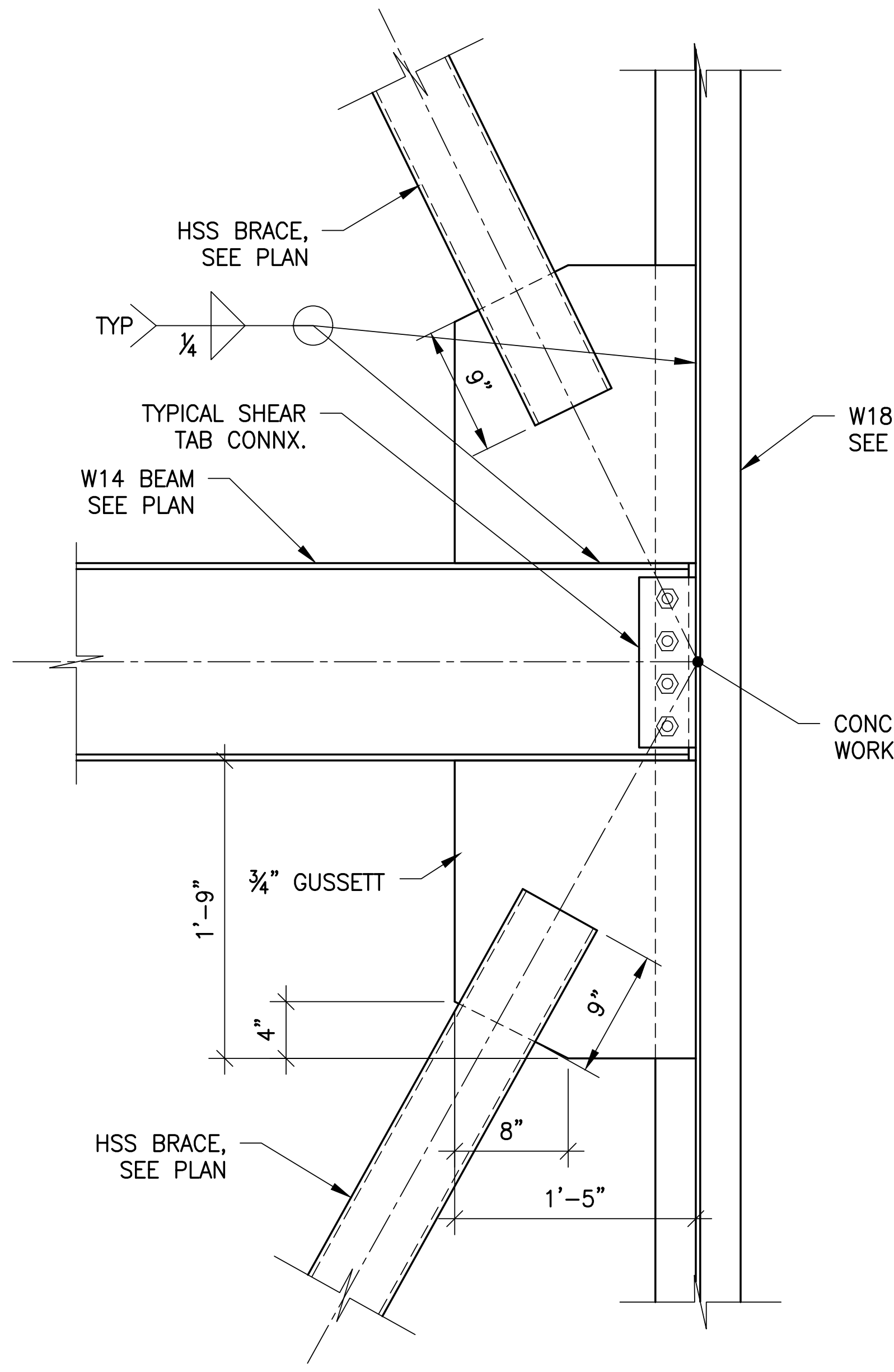
SHEET NUMBER: S-2.2
PROJECT NO. SE#23053
SHT 9 OF 10
REV 0


W8x10 HORIZ. BRACE IN FOREGROUND
W14 BEAM, SEE PLAN
3 / S-2.3
TYPICAL BOLTED CONNX. TYP.
2 / S-2.3 SIM.
W18 COLUMN, SEE PLAN
HSS4x4x¼ KICKER DN TO ROOF FRAMING
HSS6x6x⅜ DIAG. BRACE
TYP ¼
OTHER SIDE ¼
ARCED HSS16x16x5/16, SEE ARCH. FOR RADIUS
2 / S-2.3
TYPICAL BOLTED CONNX. TYP.
STL. BEAM SHOWN PARTIALLY FOR CLARITY, SEE PLAN
3 / S-2.3
HSS4x4x¼ COLUMN BRACES @ ROOF ELEV.
HSS6x6x⅜ ANGLED COLUMN
TYP ¼
W14 BEAM, SEE PLAN
W8x10 HORIZ. BRACE IN FOREGROUND
HSS6x6x⅜ DIAG. BRACE
W18 COLUMN, SEE PLAN
ENTRY VESTIBULE NOT SHOWN FOR CLARITY
6" LIGHT GAUGE STUD WALL CONSTRUCTED IN FRONT OF STL. FRAME, SEE SCHED.
ARCED HSS16x16x5/16, SEE ARCH. FOR RADIUS
4 / S-2.3
SEE DETAIL 6/S-2.3
FOUNDATION BY OTHERS
FOUNDATION BY OTHERS

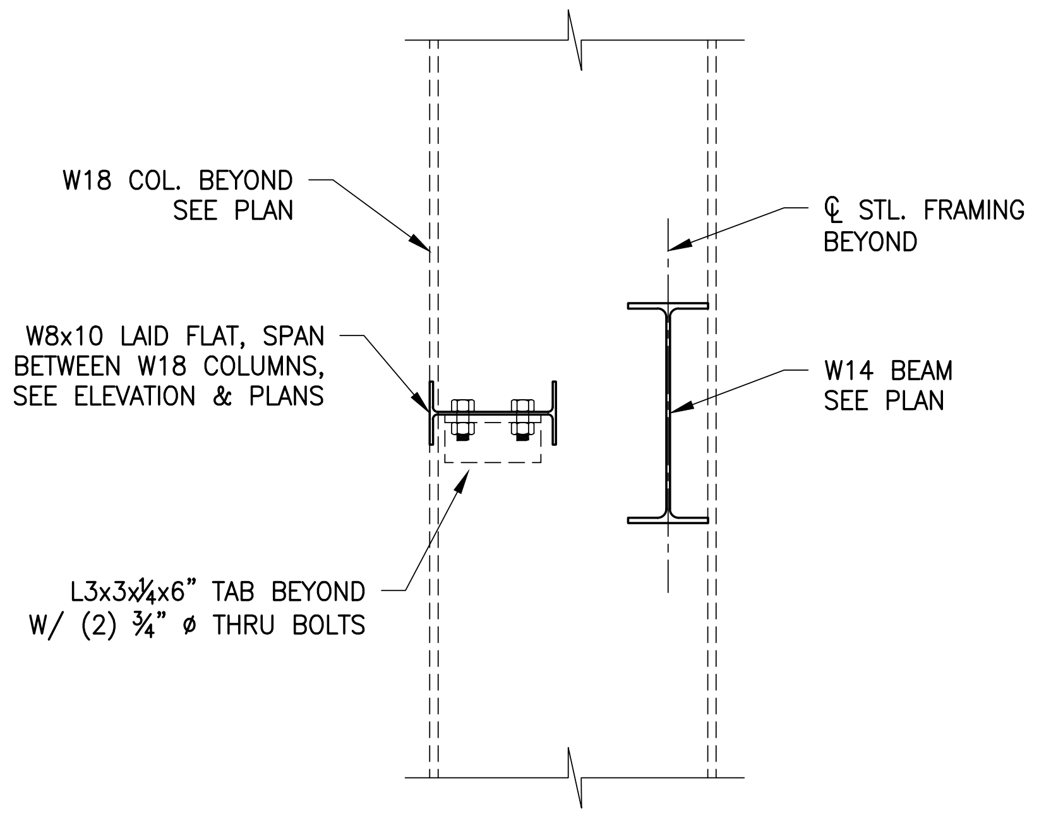
1 / S-2.3 ENTRY SIGN ELEVATION

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



2 / S-2.3 DIAGONAL BRACE CONNECTION

SCALE: 1"=1'-0"


W18 COL. BEYOND SEE PLAN
℄ STL. FRAMING BEYOND
W8x10 LAID FLAT, SPAN BETWEEN W18 COLUMNS, SEE ELEVATION & PLANS
W14 BEAM SEE PLAN
L3x3x¼x6" TAB BEYOND W/ (2) ¾" ø THRU BOLTS

3 / S-2.3 DIAGONAL BRACE CONNECTION

SCALE: 1"=1'-0"

REVIEWED -
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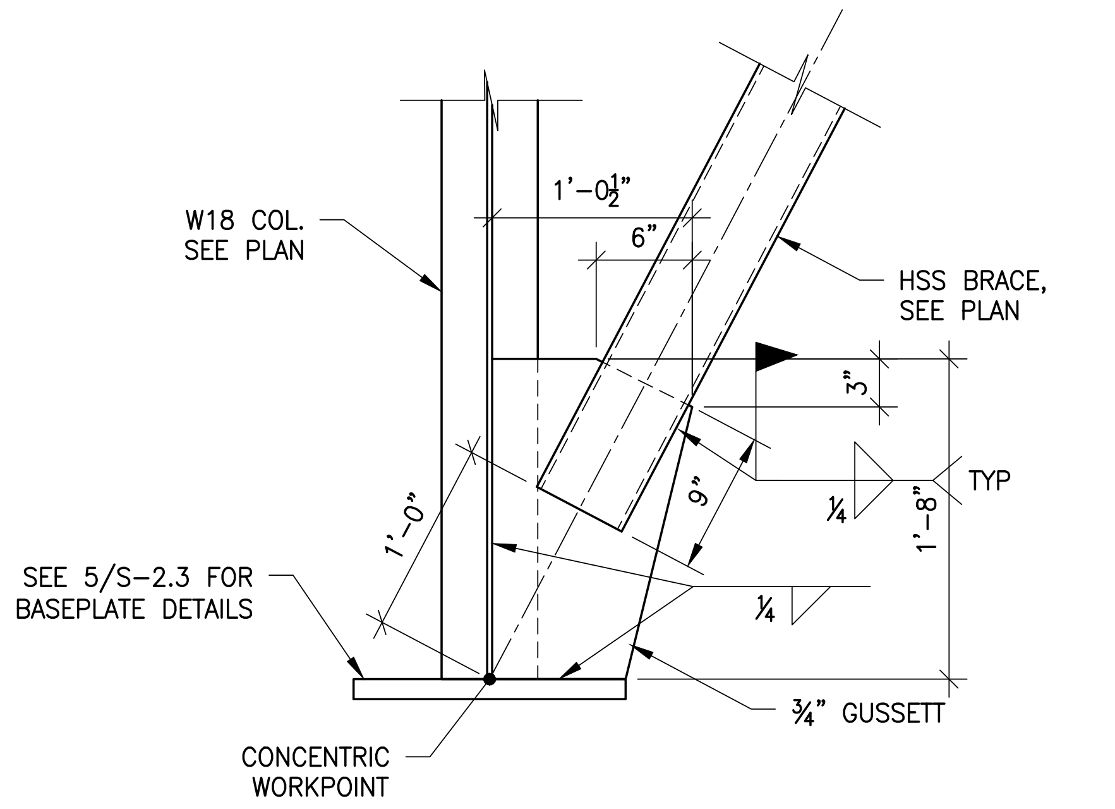
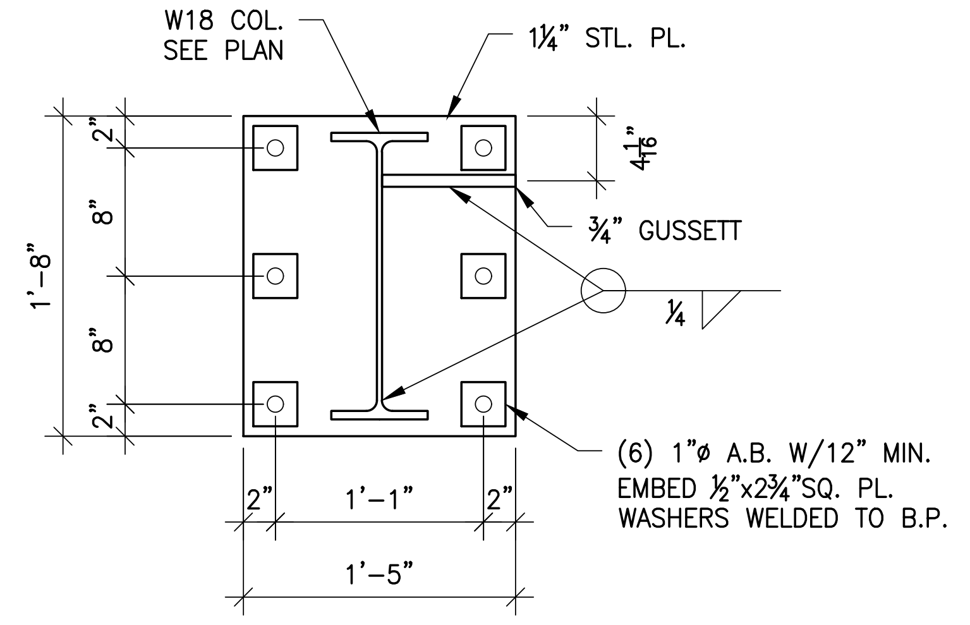


4 / S-2.3 BRACE/BASEPLATE CONNECTION

SCALE: 1"=1'-0"

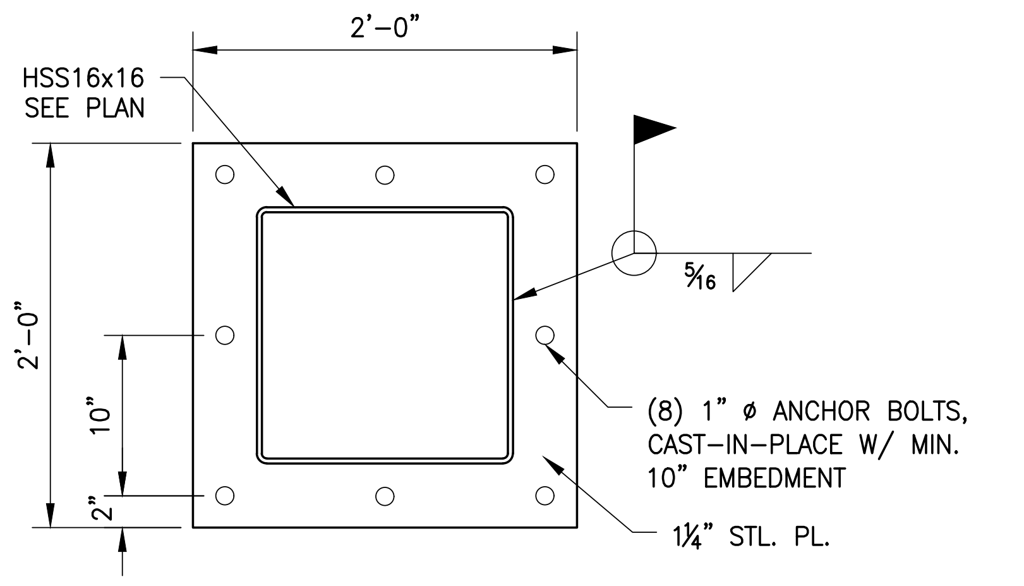


5 / S-2.3 W18 BASEPLATE DETAIL

SCALE: 1"=1'-0"

NOTES:

1. ALL ANCHOR BOLTS TO BE ASTM F1554 GR36.
2. ANCHORS TO HAVE HEAVY HEX NUT @ EMBEDDED END, TACK WELDED TO ROD.
3. EMBEDMENT DEPTH FROM TOP OF CONCRETE FOOTING TO TOP OF EMBEDDED HEAVY HEX NUT.
4. ALL A.B. AT BRACE LOCATIONS TO HAVE ½"x2¾"SQ. PL. WASHERS WELDED TO T/BASEPLATE. PROVIDE ASTM F844 WASHERS AT ALL OTHER ANCHOR LOCATIONS.



6 / S-2.3 HSS16x16 BASEPLATE

SCALE: 1"=1'-0"

MATTHEW J. SMITH
28642
04/26/2023

ISSUED FOR CONSTRUCTION

23053–TRAVEL CENTER, TUCUMCARI NM.DWG

Tuesday, July 18, 2023 BY JORDAN HUNT

REV	DESCRIPTION	DRWN	APPR	DATE

TRAVEL CENTER, TUCUMCARI, NM

SECTION DETAILS

SCALE: NOTED
DATE: 04/26/2023
DRWN BY: JH
CHKD BY: MS

STABILITY ENGINEERING
1376 Church St, Ste 200, Decatur, GA 30030 Ph/Fax: 404-377-9316

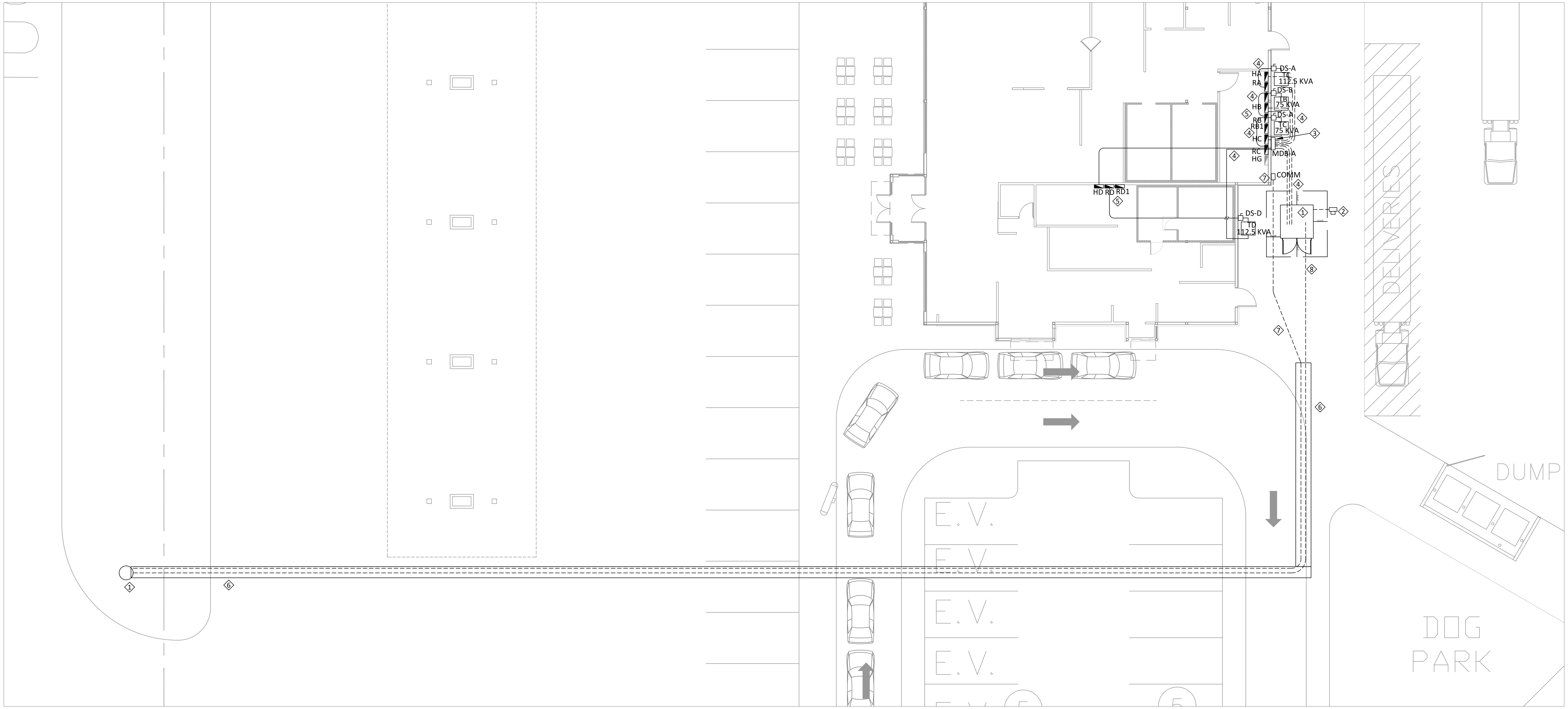
SHEET NUMBER: S-2.3
PROJECT NO. SE#23053
SHT 10 OF 10
REV 0

GENERAL NOTES

A. POWER UTILITY (PU) SERVICE COULD CHANGE CONFIGURATION BASED ON THEIR ACTUAL EQUIPMENT. COORDINATE WITH AEP PRIOR TO PURCHASING SERVICE EQUIPMENT. PROVIDE INSTALLATION EQUIPMENT AND MATERIAL BASED ON AEP REQUIREMENTS.
B. REFER TO ELECTRICAL SCHEDULES SHEET FOR EQUIPMENT DISCONNECTS SWITCH.
C. REFER TO GENERAL NOTES ON SHEET E-000, BEFORE STARTING ELECTRICAL INSTALLATION.
D. EQUIPMENT LOCATION IS PROPOSED, PROPER INVESTIGATION OF EXISTING CONDITIONS SHALL BE DONE BEFORE INSTALLATION.

KEYED NOTES

1. POWER UTILITY (PU) UNDERGROUND POWER SERVICE. ACTUAL DESIGN OF PU SERVICE TO BE PROVIDED BY PU. ACTUAL LOCATION TO BE FIELD VERIFIED AND COORDINATED WITH OTHER UTILITIES. COMPLY WITH PU REQUIREMENTS AND FEES.
2. PU METER SOCKET. INSTALLATION OF METER AS REQUIRED BY PU. PREFERABLY WITH CTS INSIDE PADMOUNTED TRANSFORMER.
3. MAIN DISTRIBUTION BOARD WITH MAIN CIRCUIT BREAKER FOR POWER SERVICE.
4. POWER SERVICE AND FEEDER CONDUCTORS AND CONDUITS RATING AS INDICATED IN THE WIRE SCHEDULE.
5. ELECTRICAL PANELD PROPOSED LOCATION , FIELD VERIFY WITH OTHER TRADES AND EQUIPMENT.
6. USE OF 3000PSI CONCRETE ENCASING ON DRIVE WAYS OR TRAFFIC AREAS AS INDICATED ON DRAWING. HEAVY TRAFFIC (TRUCKS) USE 4000 PSI OR BETTER. USE OF RED DYE FOR ALL POWER LINES.
7. COMMUNICATIONS UTILITY SERVICE ROUTE TO BE COORDINATED WITH PROPER UTILITY AND MAKE ADJUSTMENTS AS REQUIRED BY COMMUNICATIONS UTILITY.
8. PRIMARY PU POWER WIRES AND CONDUITS.



① **MEP ELECTRICAL SERVICE**
3/32" = 1'-0"

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T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:03 PM
A-155698

E. Deanda, P.E.
6/30/2023

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN	
CHECKED	
PROJECT NO	EED-23027
DATE	6/30/2023

REVISIONS

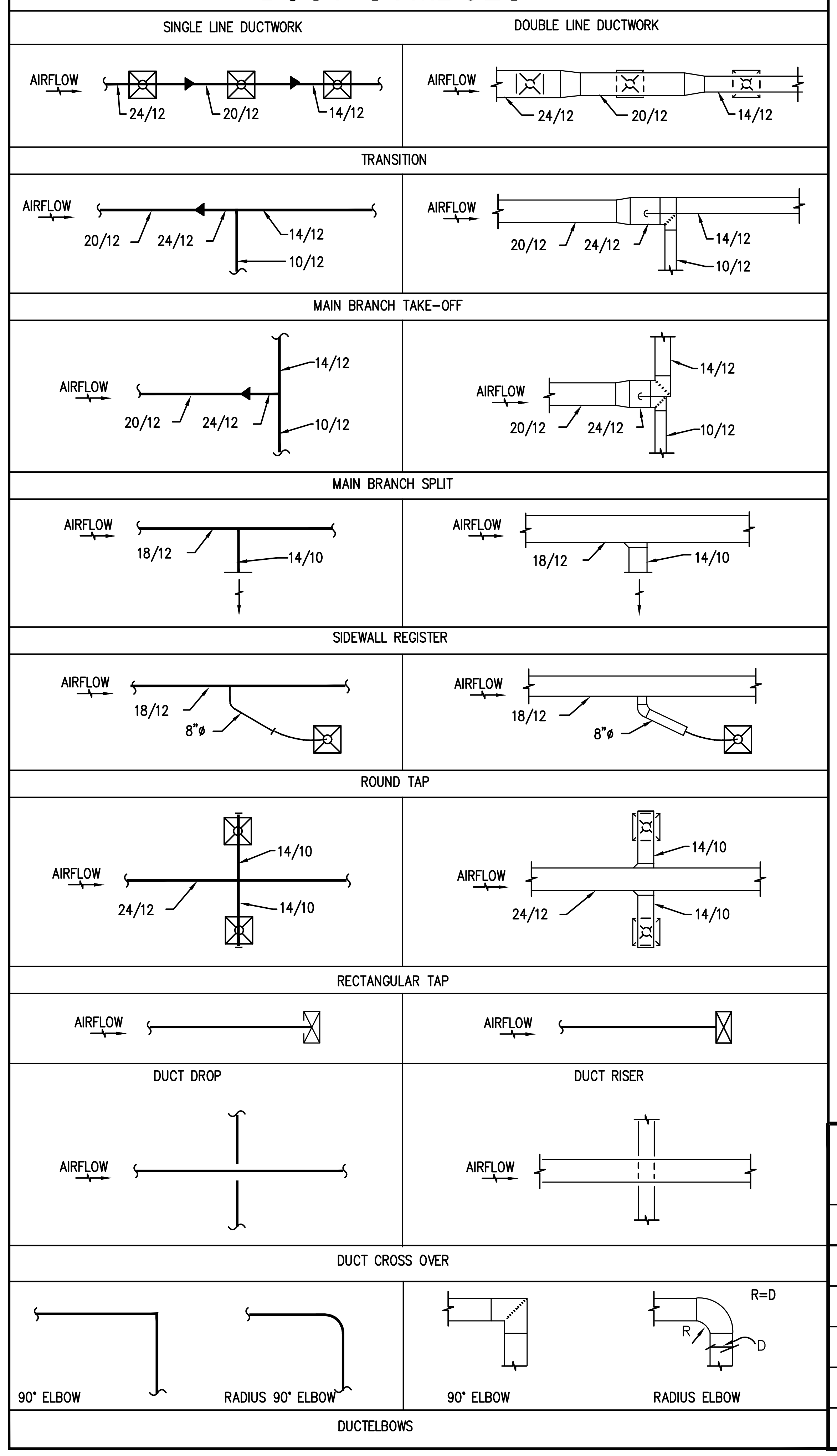
NO	DATE	DESCRIPTION

SHEET TITLE
MEP POWER SERVICE

SCALE: INDV

SHEET NO
MEP1.0

DUCT SYMBOLS



DUCT AND AIR DEVICE NECK SCHEDULE

DUCT SIZE	CFM RANGE
6"ø	UP TO 120
8"ø	125 -220
10"ø	225 - 340
12"ø	345 - 500
14"ø	505 - 820

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
(N)	NEW
(E)	EXISTING
(R)	RELOCATED
———	EXISTING TO REMAIN
—✕—✕—	EXISTING TO REMOVE
━━━	NEW
PHWP	PRIMARY HOT WATER PUMP
HWC	HEATING WATER CONVERTER
ST	STEAM TRAP
CRU	CONDENSATE RETURN UNIT
Ⓣ	THERMOSTAT
Ⓗ	HUMIDISTAT
Ⓕ	FIRESTAT
ID	IONIZATION DETECTOR
SD	SMOKE DAMPER
S D	SMOKE DETECTOR
VD	VOLUME DAMPER
A 8"ø 200 CFM	DIFFUSER TYPE, NECK SIZE, CFM
⊢	SIDE WALL SUPPLY OR RETURN
⊠	SUPPLY
⧄	RETURN
⧄	EXHAUST
FD—	FIRE DAMPER
14/14 SD	SPLITTER DAMPER – DIMENSION AS NOTED ON DRAWING
	ELBOW WITH TURNING VANES
OBD—	OPPOSED BLADE DAMPER
M—	MOTORIZED DAMPER
	FLEXIBLE DUCT CONN. TO RECTANGULAR DUCT WITH SPIN-IN CONNECTOR
UCD 1"	UNDERCUT DOOR 1"
~~RE:~~ I/M–2.9	REFER TO DETAIL #1 ON DRAWING M–2.9
— CHS —	CHILLED WATER SUPPLY
— CHR —	CHILLED WATER RETURN
— HWS —	HOT WATER SUPPLY
— HWR —	HOT WATER RETURN
—S–15—	STEAM 15 PSIG SUPPLY
—C–15—	CONDENSER 15 PSIG RETURN
CD——	CONDENSATE DRAIN

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	SADDLE TYPE LIGHT TROFFER
	SINGLE SIDED LIGHT TROFFER
⊠	3 WAY DIFFUSER IN DIRECTION SHOWN
⊠ ⊠	SUPPLY DIFFUSER
⧄	RETURN AIR OR EXHAUST GRILLE
	EXISTING SLOT DIFFUSER TO REMAIN
	NEW SLOT DIFFUSER
Ⓣ	THERMOSTAT
	EXISTING DUCTWORK TO REMAIN
	NEW DUCTWORK
RE: I/M–7	REFER TO DETAIL #1 ON DRAWING M–7

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
A 250	AIR DEVICE, SUPPLY CFM IF APPLICABLE
⊠ ⊠	SUPPLY DIFFUSER
⧄	RETURN AIR OR EXHAUST GRILLE
Ⓣ	THERMOSTAT
	NEW DUCTWORK
VD	MANUAL VOLUME DAMPER
14/14 SD	SPLITTER DAMPER, DIMENSION AS SHOWN
	SCHEDULED DIFFUSER FLEX DUCT RIGID EXTENSION FROM SPIN–IN SPIN–IN FITTING WITH VOLUME DAMPER TRUNK DUCT
	EXISTING DUCTWORK
RE: #1/M200	REFER TO DETAIL #1 ON DRAWING M200

GENERAL NOTES - MECHANICAL

1) ALL WORK DONE ON THESE DRAWINGS SHALL BE DONE IN STRICT ACCORDANCE WITH THE BASE BUILDING DOCUMENTS. REFER TO BASE BUILDING DOCUMENTS FOR ALL DETAILS AND SPECIFICATIONS.

2) CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.

3) IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO HE WILL HAVE OBTAINED THE SCOPE OF MECHANICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF THE WORK SHALL INCLUDE MATERIALS AND DUCTWORK CONSISTING OF DEVICES, EQUIPMENT OR APPARATUS WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS.

4) CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE ALL CLEARANCES AS INDICATED.

5) CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.

6) PROVIDE SLOTS, CEILING DIFFUSERS AND RETURN AIR GRILLES ACCORDING TO BASE BUILDING STANDARD.

7) FOR EXACT LOCATION OF ALL DIFFUSERS AND REGISTERS, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

8) ALL EXISTING AIR DEVICES AND EQUIPMENT TO BE RELOCATED OR REUSED MUST BE CLEANED, PAINTED, AND ALL DAMAGED PARTS MUST BE REPAIRED OR REPLACED.

9) PROVIDE SPIN–IN FITTING WITH LOCKING QUADRANT BUTTERFLY DAMPER FOR ALL ROUND FLEXIBLE DUCT CONNECTIONS TO RECTANGULAR DUCT.

10) REFRIGERANT PIPING TO BE SIZED BY MANUFACTURER. INSULATE WITH 3/4" ARMAFLEX INSULATION. EXTERIOR INSULATION SHALL BE COATED WITH MANUFACTURER'S RECOMMENDED SEALANT. PROVIDE PIPE SADDLES AT HANGERS.

11) STEEL SCHEDULE 40 UNINSULATED ON PIPING IN INTERIOR OF BUILDING ALL PIPES, COILS, AND FITTINGS SHALL BE RATED FOR PSIG AS NOTED ON THE PLANS.

12) PROVIDE ROUND FLEXIBLE DUCT, MAXIMUM LENGTH TO BE 6'–0" LONG, SAME DIAMETER AS DIFFUSER NECK. EXTEND ROUND SHEETMETAL DUCT AS REQUIRED.

13) ALL NEW ROUND DUCTS SHALL BE EXTERNALLY INSULATED WITH 1–1/2" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER.

14) SEAL ALL JOINTS IN DUCTWORK WITH EC–800 OR HARDCAST IRON GRIP.

15) CONTRACTOR SHALL SEAL ALL INACTIVE DUCT TAPS AIR TIGHT.

16) ALL DUCTWORK SHALL BE SHEETMETAL, LINED WITH 1" THICK FIBERGLASS INSULATION. ALL NEW EXHAUST DUCTWORK SHALL BE UNLINED SHEETMETAL. ALL NEW DUCTWORK SHALL BE FABRICATED TO THE LATEST EDITION OF SMACNA. DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.

17) MOUNT THERMOSTATS AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE WITH ARCHITECT PRIOR TO CONSTRUCTION.

18) ALL CONDENSATE DRAINS SHALL BE GALVANIZED STEEL OR COPPER. CONDENSATE DRAIN LINES SHALL BE INSULATED WITH 3/8" THICK INSULATION.

20) PROVIDE NEW PLEATED, NON WOVEN FARR 30/30 FILTER FOR ALL NEW AND EXISTING FAN COIL UNITS, AIR HANDLING UNITS, HEAT PUMPS AND HOT WATER COILS.

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
EDeanda P.E.
6/30/2023

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TUCUMCARI, NM

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PROJECT NO EED-23027
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NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL
LEGEND

SCALE: N.T.S

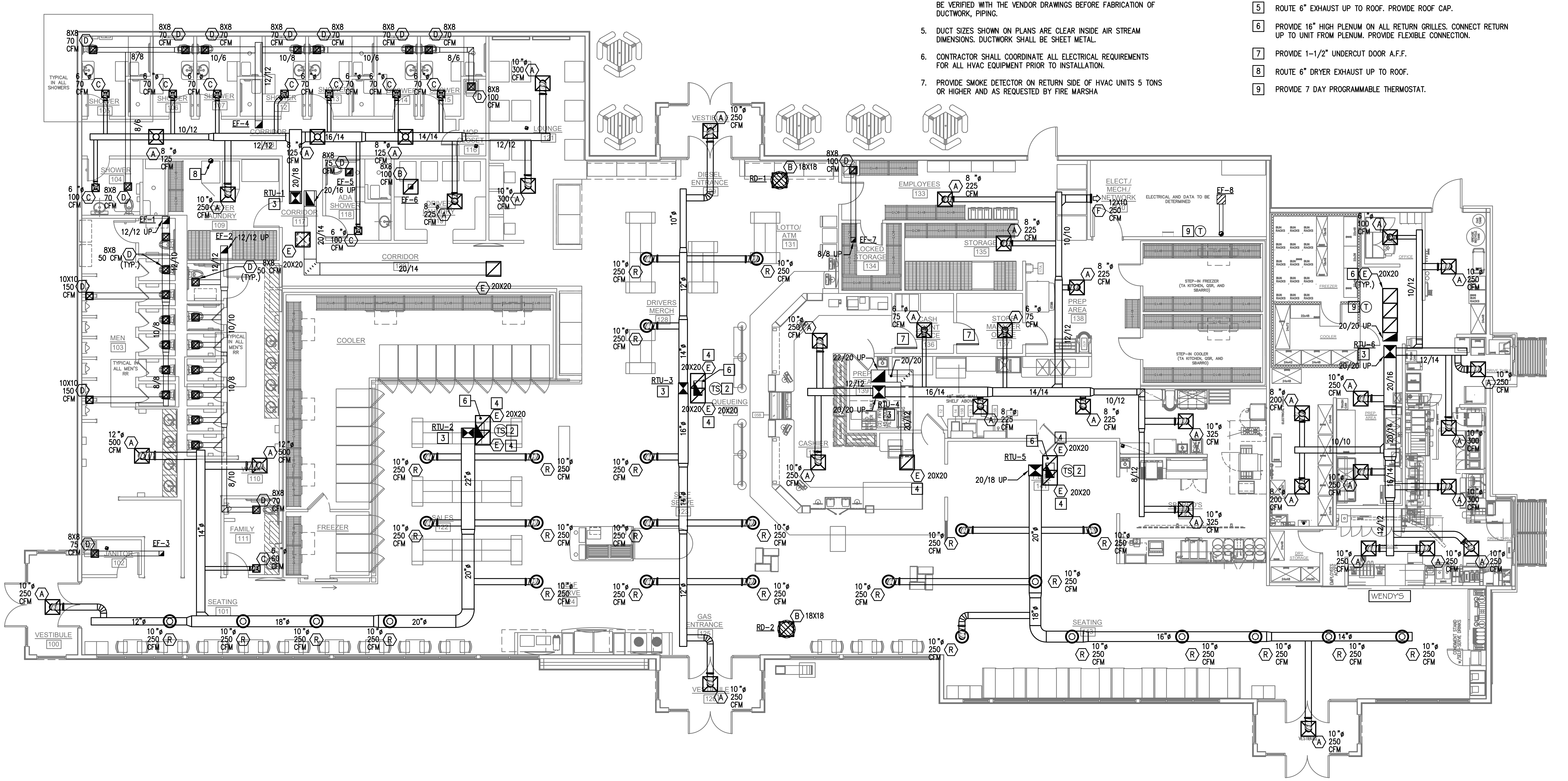
SHEET NO
M0.0

MECHANICAL GENERAL NOTES

1. CONTRACTOR SHALL BALANCE EACH SPACE WITH THE CFM SHOWN ON PLAN. NOTE NOT ALL SPACES HAVE SAME CFM SHOWN ON FCU/RTU SCHEDULE.
2. NEW PIPING AND DUCTWORK SHOWN ON PLAN ARE SCHEMATIC ONLY. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING. OFFSET AND RUN PIPING, DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ANY EXTRA PIPING, DUCTWORK, FITTINGS, INSULATIONS AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATION.
3. COORDINATE LOCATIONS ROOF OPENINGS AND SIZES OF WALL OPENINGS WITH ARCHITECT AND STRUCTURE ENGINEERS.
4. EQUIPMENT SIZES, DIMENSIONS AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE VENDOR DRAWINGS BEFORE FABRICATION OF DUCTWORK, PIPING.
5. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE AIR STREAM DIMENSIONS. DUCTWORK SHALL BE SHEET METAL.
6. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ALL HVAC EQUIPMENT PRIOR TO INSTALLATION.
7. PROVIDE SMOKE DETECTOR ON RETURN SIDE OF HVAC UNITS 5 TONS OR HIGHER AND AS REQUESTED BY FIRE MARSHA

MECHANICAL KEYED NOTES

1	PROVIDE SPIN–IN DAMPER. REFER TO DETAIL.
2	PROVIDE TEMPERATURE SENSOR ON CEILING ADJACENT TO RETURN GRILLES.
3	ROOF TOP UNIT ON ROOF. CONTRACTOR SHALL PROVIDE THE NECESSARY ROOF REINFORCEMENT NEEDED TO PROPERLY SUPPORT THE UNIT. COORDINATE THE LOCATION THAT WILL BEST SUPPORT THE UNIT. COORDINATE DUCTWORK OPENINGS WITH EXISTING JOIST, CONDUIT, FIRE SPRINKLER HEADS AND PIPING. COORDINATE LOCATION WITH EXISTING EQUIPMENT ON ROOF.
4	PROVIDE FILTERED RETURN AIR GRILLED AS SCHEDULED ON DOOR/WALL/CEILING. SIZE IS INDICATED ON PLAN.
5	ROUTE 6" EXHAUST UP TO ROOF. PROVIDE ROOF CAP.
6	PROVIDE 16" HIGH PLENUM ON ALL RETURN GRILLES. CONNECT RETURN UP TO UNIT FROM PLENUM. PROVIDE FLEXIBLE CONNECTION.
7	PROVIDE 1–1/2" UNDERCUT DOOR A.F.F.
8	ROUTE 6" DRYER EXHAUST UP TO ROOF.
9	PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT.



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

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MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
Edgar DeAnda P.E.
6/30/2023

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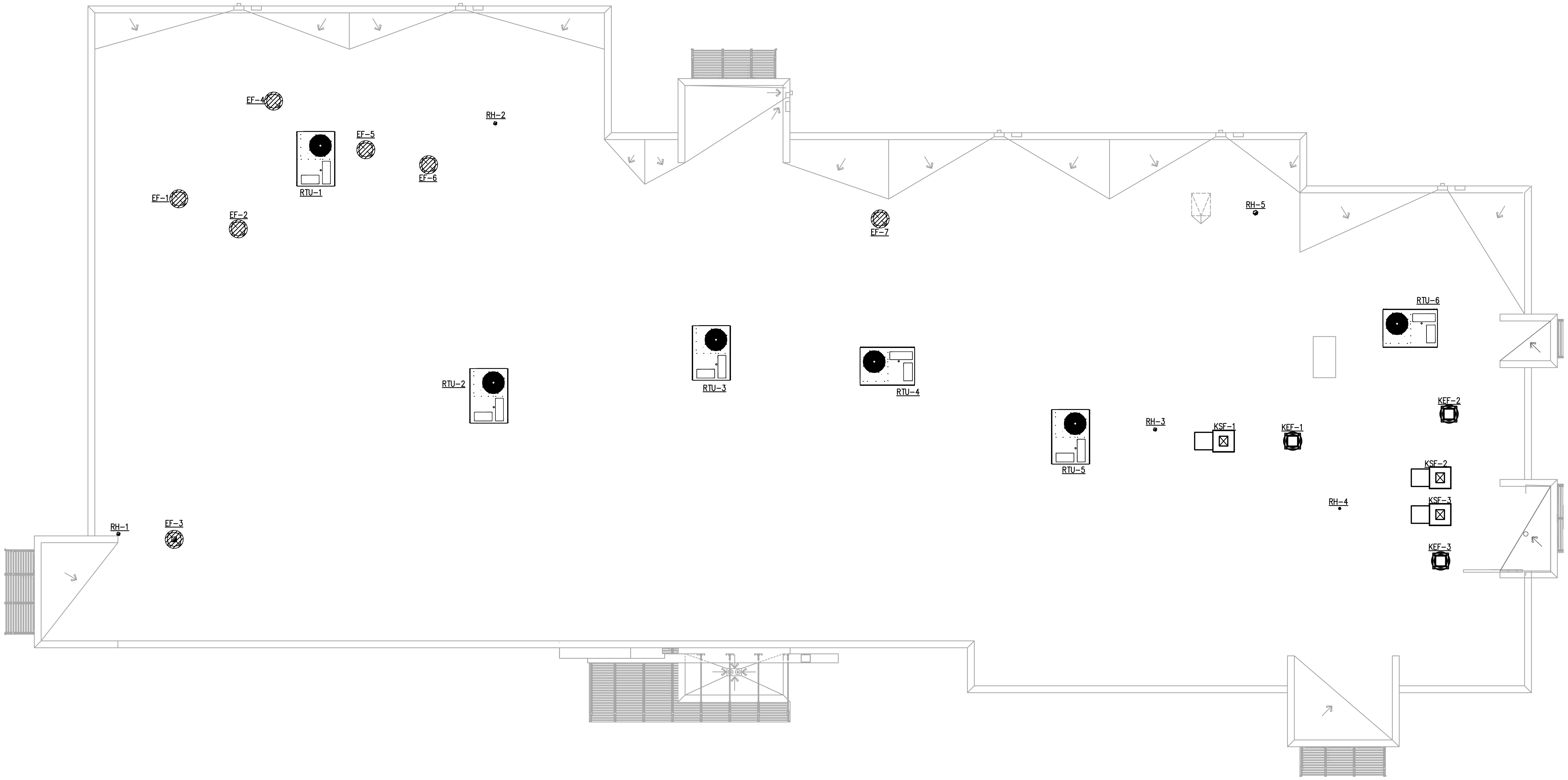
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS
NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'
SHEET NO
M1.0



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

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MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
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1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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EDGAR E. DEANDA
NEW MEXICO
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DATE	6/30/2023

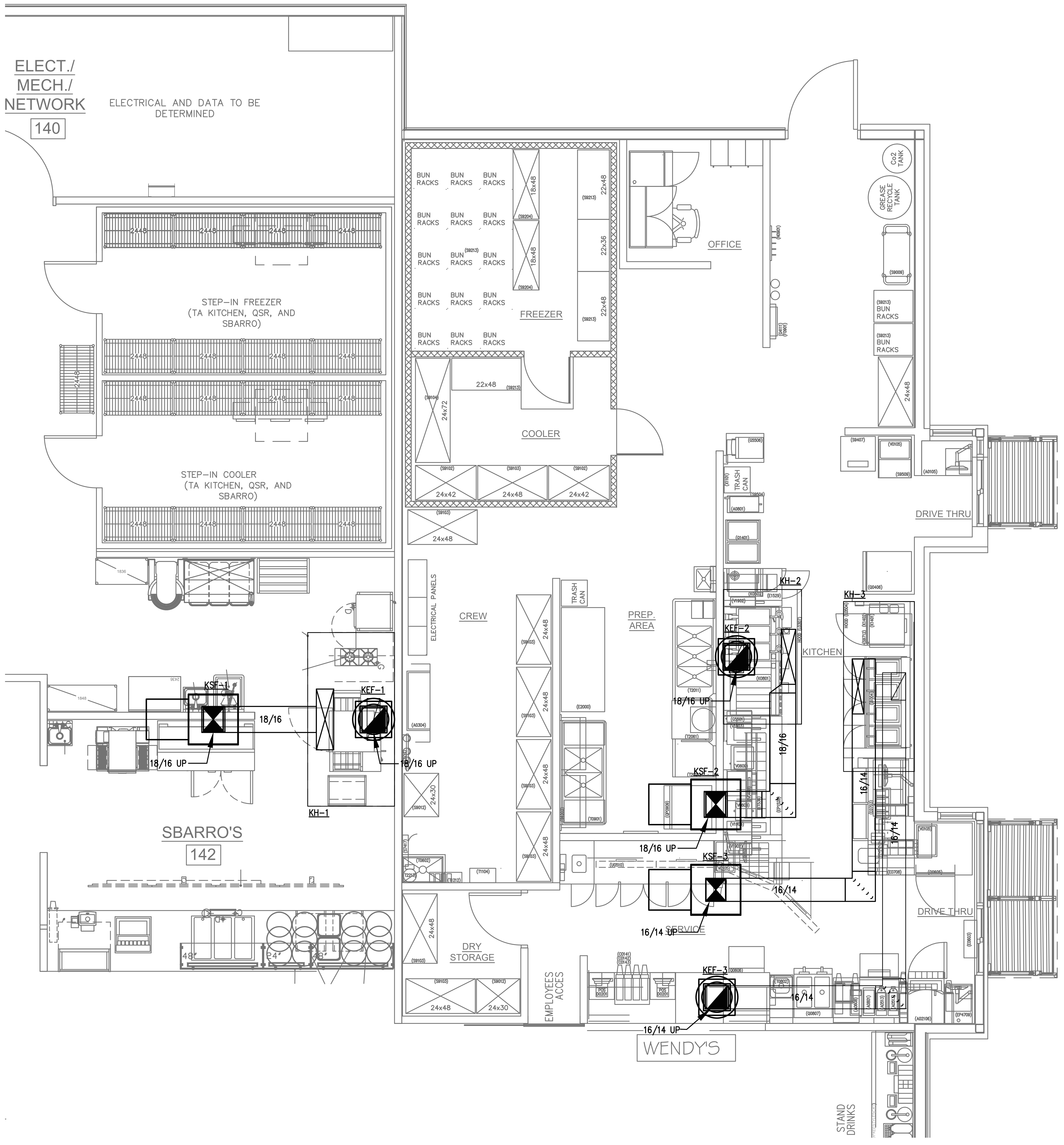
REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL
ROOF PLAN

SCALE: 1/8" = 1'

SHEET NO
M1.1



1 **MECHANICAL KITCHEN FLOOR PLAN**
1/4" = 1'-0"

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MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL,
& PLUMBING

EDGAR E. DEANDA
28759

E. Deanda, P.E.
6/30/2023

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TUCUMCARI, NM

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PROJECT NO	EED-23027
DATE	6/30/2023

REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL
KITCHEN
FLOOR PLAN
SCALE: 1/8" = 1'
SHEET NO
M1.2

	UNIT					ELECTRICAL				FAN					COOLING COIL						NATURAL GAS HEAT						
TAG	Nominal Tons	REFRIGERANT	EER/ IEER (SEER)	COMPRESSOR STAGES	Op Weight (lbs)	Voltage	Unit FLA	MCA	MOP	Supply CFM	Outside CFM	ESP (in wg)	SA Fan RPM	SA Fan BHP	Coil EADB (F)	Coil EAWB (F)	Coil LADB (F)	Coil LAWB (F)	Total Cap (MBH)	Sen Cap (MBH)	Heater EADB	Heater LADB	Heat Input (MBH)	Heat Output (MBH)	MANUFACTURER	Model String	NOTES
RTU-1	6	R-410A	11.5/14.3	2	938	460/3/60	15	17	25	2065	800	1	1683	1.36	84.7	63.9	55.9	53.1	62.5		45.5	96.3	140	113.4	AAON	RQ-006-3-V-HA02-354	1 THRU 5, 7 THRU 10
RTU-2	9	R-410A	13.4/20.1	4	1673	460/3/60	19	21	25	3560	650	1	1729	1.79	79.6	63.2	56.8	54.1	91.1	85.8	57.4	98	195	156	AAON	RN-009-3-0-GA04-3F4	1 THRU 4, 6 THRU 10
RTU-3	7	R-410A	12.2/17.9	4	1148	460/3/60	15	17	25	2500	200	1	1739	1.31	77.0	64.4	55.0	54.0	75.2	58.4	65.4	92.4	90	72.9	AAON	RN-007-3-0-GA82-324	1 THRU 4, 6 THRU 10
RTU-4	8	R-410A	11.4/16.5	4	1187	460/3/60	19	22	30	2750	300	1	1728	1.52	77.7	65.1	55.0'	54.0	88.9	66.4	59.8	84.3	90	72.9	AAON	RN-008-3-0-GA02-324	1 THRU 4, 6 THRU 10
RTU-5	8	R-410A	11.4/16.5	4	1187	460/3/60	19	22	30	2750	300	1	1728	1.52	77.7	65.1	55.0'	54.0	88.9	66.4	59.8	84.3	90	72.9	AAON	RN-008-3-0-GA02-324	1 THRU 4, 6 THRU 10
RTU-6	9	R-410A	14.1/20.4	4	1774	460/3/60	19	21	25	3560	1100	1	1747	1.87	82.7	63.6	55.9	53.6	100.9		57.8	98.4	195	156	AAON	RN-009-3-0-GB04-3F4	1 THRU 5, 7 THRU 10

NOTES

1 PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
2 PROVIDE FACTORY MOUNTED CONDENSER COIL GUARD.
3 PROVIDE WITH FACTORY ECONOMIZER WITH FAULT DETECTION AND BAROMETRIC RELIEF DAMPER.
4 PROVIDE FATORY INSTALLED CONTROLLER AND REMOTE TOUCHSCREEN INTERFACE WITH MODULATING REHEAT DEHUMIDIFICATION CONTROL AND SINGLE ZONE VAV CONTROL.
5 PROVIDE UNIT WITH FACTORY VFD FOR SINGLE ZONE VAV OPERATION.
6 PROVIDE PROGRAMMABLE THERMOSTAT
7 PROVIDE MULTISTAGE COMPRESSOR CONTROL.
8 PROVIDE WITH 18" CURB FOR BUILT UP TYPE FLAT ROOF.
9 PROVIDE STAINLESS STEEL NATURAL GAS HEATER WITH MODULATING CONTROL.

EXHAUST FAN SCHEDULE

MARK	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	KEF-1	KSF-1	KEF-2	KSF-2	KEF-3	KSF-3
SERVES	RR	RR	JANITOR	SHOWER	ADA SHOWER	DRIVER LDRY	EMPLOYEES	KH-1	KH-1	KH-2	KH-2	KH-3	KH-3
TYPE/DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT	BELT	BELT	BELT	BELT
CFM	650	420	75	670	75	100	100	2,250	1,800	2,025	1,420	2,300	1,850
EXT. S.P. (IN. W.G.)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.84	0.33	0.90	0.35	1.00	.35
HORSEPOWER	1/8	1/25	1/60	1/12	1/60	1/60	1/60	3/4	1/2	1	1/3	1	3/4
RPM (MAX.)	1,550	1,300	1,550	1,300	1,550	1,550	1,550	1,726	1,401	1,479	770	1,658	1,401
SONES (MAX.)	8.8	5.5	3.5	6.4	3.5	3.6	3.6	12.4	-	12.0	-	12.6	-
VOLTS/PHASE/HERTZ	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER	G-095-D	G-090-G	G-060-D	G-095-D	G-060-D	G-060-D	G-060-D	USGF-140	SAF-110	USGF-140	SAF-110	USGF-140	SAF-110
NOTES	2,3	2,3	1,3	2,3	1,3	2,3	1,3	4	4	4	4	4	4

NOTES:
1. INTERLOCK FAN WITH SWITCH.
2. INTERLOCK FAN WITH ASSOCIATED HVAC EQUIPMENT
3. PROVIDE SPEED CONTROLER.
4. INTERLOCK EXHAUST AND SUPPLY FANS WITH CORRESPONDING KITCHEN HOOD.

AIR DEVICE SCHEDULE

MARK	MFR. & MODEL	TYPE	REMARKS
A	TITUS TMS-AA	LOUVERED FACE SUPPLY AIR DIFFUSER	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR GYP BOARD COORDINATE WITH RCP.
B	TITUS PAR-AA	PERFORATED FACE RETURN AIR GRILLE	24"x24" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR GYP-BOARD CEILING. PROVIDE 22"x22" NECK UNLESS OTHERWISE NOTED. PROVIDE O.B.D. FOR DUCTED EXHAUST.
C	TITUS TMS-AA	LOUVERED FACE SUPPLY AIR DIFFUSER	12"x12" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR GYP BOARD COORDINAE WITH RCP.
D	TITUS PAR-AA	PERFORATED FACE RETURN AIR GRILLE	12"x12" FACE, ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN OR GYP-BOARD CEILING. PROVIDE 10"x10" NECK UNLESS OTHERWISE NOTED. PROVIDE O.B.D. FOR DUCTED EXHAUST.
E	TITUS 350FLF1	FILTERED RETURN AIR GRILLE	ALUMINUM CONSTRUCTION WITH 1" FILTERED AIR 3/4" BLADE SPACING. BLADES PARALLEL TO LONG DIMENSION.
F	TITUS 301FL	SIDEWALL SUPPLY AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING, DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D.
R	TITUS TMRA-AA	LOUVERED ROUND SUPPLY AIR DIFFUSER	ALUMINUM CONSTRUCTION WITH ADJUSTABLE DISCHARGE PATTERN.

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH.
2. REFER TO MECHANICAL FLOOR PLAN FOR NECK SIZES.

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.) LENGTH	HOOD DIMENSIONS (IN.) WIDTH	HOOD DIMENSIONS (IN.) HEIGHT	HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST TOTAL CFM	EXHAUST COLLAR(S) WIDTH	EXHAUST COLLAR(S) LENGTH	EXHAUST COLLAR(S) DIA.	EXHAUST COLLAR(S) CFM	EXHAUST COLLAR(S) S.P.	SUPPLY MUA CFM	SUPPLY AC CFM	TOTAL WEIGHT LBS.	SECTION LOCATION
1	KH-1	GXFW-120-S	120	60	24	430 SS WHERE EXPOSED	MEDIUM	2250	9	22		2250	0.585	1800		520	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS FIXTURE TYPE BULB / LAMP INFO	LIGHTING DETAILS QTY	LIGHTING DETAILS FOOT CANDLES	GREASE FILTRATION DETAILS TYPE / MODEL MATERIAL	GREASE FILTRATION DETAILS QTY	GREASE FILTRATION DETAILS SIZE (IN.) L	GREASE FILTRATION DETAILS SIZE (IN.) H	UTILITY CABINET(S) LOCATION	UTILITY CABINET(S) FIRE SYSTEM TYPE	UTILITY CABINET(S) FIRE SYSTEM SIZE	UTILITY CABINET(S) CONTROLS MODEL	UTILITY CABINET(S) CONTROLS INTERFACE
1	KH-1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	3	41.35	X-TRACTOR STAINLESS STEEL	0	16	20					
						6	20						

INTEGRAL SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	INSULATED	DAMPER(S)	TOTAL CFM	COLLARS TYPE	COLLARS MOUNTING	COLLARS QTY	COLLARS W	COLLARS L	COLLARS DIA.	COLLARS CFM	COLLARS S.P.	COLLARS VEL.
1	KH-1	FRONT	FRONT	NO	NO	1800	MUA	FACTORY	1	8	46		1800	0.08	704

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.) LENGTH	HOOD DIMENSIONS (IN.) WIDTH	HOOD DIMENSIONS (IN.) HEIGHT	HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST TOTAL CFM	EXHAUST COLLAR(S) WIDTH	EXHAUST COLLAR(S) LENGTH	EXHAUST COLLAR(S) DIA.	EXHAUST COLLAR(S) CFM	EXHAUST COLLAR(S) S.P.	SUPPLY MUA CFM	SUPPLY AC CFM	TOTAL WEIGHT LBS.	SECTION LOCATION
1	KH-2	GXFW-108-S	108	48	24	430 SS WHERE EXPOSED	MEDIUM	2025	10	19		2025	0.546	1418		396	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS FIXTURE TYPE BULB / LAMP INFO	LIGHTING DETAILS QTY	LIGHTING DETAILS FOOT CANDLES	GREASE FILTRATION DETAILS TYPE / MODEL MATERIAL	GREASE FILTRATION DETAILS QTY	GREASE FILTRATION DETAILS SIZE (IN.) L	GREASE FILTRATION DETAILS SIZE (IN.) H	UTILITY CABINET(S) LOCATION	UTILITY CABINET(S) FIRE SYSTEM TYPE	UTILITY CABINET(S) FIRE SYSTEM SIZE	UTILITY CABINET(S) CONTROLS MODEL	UTILITY CABINET(S) CONTROLS INTERFACE
1	KH-2	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	3	41.68	X-TRACTOR STAINLESS STEEL	3	16	20					
						3	20						

INTEGRAL SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	INSULATED	DAMPER(S)	TOTAL CFM	COLLARS TYPE	COLLARS MOUNTING	COLLARS QTY	COLLARS W	COLLARS L	COLLARS DIA.	COLLARS CFM	COLLARS S.P.	COLLARS VEL.
1	KH-2	FRONT	FRONT	NO	NO	1418	MUA	FACTORY	1	8	36		1418	0.06	709

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.) LENGTH	HOOD DIMENSIONS (IN.) WIDTH	HOOD DIMENSIONS (IN.) HEIGHT	HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST TOTAL CFM	EXHAUST COLLAR(S) WIDTH	EXHAUST COLLAR(S) LENGTH	EXHAUST COLLAR(S) DIA.	EXHAUST COLLAR(S) CFM	EXHAUST COLLAR(S) S.P.	SUPPLY MUA CFM	SUPPLY AC CFM	TOTAL WEIGHT LBS.	SECTION LOCATION
1	KH-3	GXFW-92-S	92	54	24	430 SS WHERE EXPOSED	HEAVY	2300	10	22		2300	0.741	1840		368	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS FIXTURE TYPE BULB / LAMP INFO	LIGHTING DETAILS QTY	LIGHTING DETAILS FOOT CANDLES	GREASE FILTRATION DETAILS TYPE / MODEL MATERIAL	GREASE FILTRATION DETAILS QTY	GREASE FILTRATION DETAILS SIZE (IN.) L	GREASE FILTRATION DETAILS SIZE (IN.) H	UTILITY CABINET(S) LOCATION	UTILITY CABINET(S) FIRE SYSTEM TYPE	UTILITY CABINET(S) FIRE SYSTEM SIZE	UTILITY CABINET(S) CONTROLS MODEL	UTILITY CABINET(S) CONTROLS INTERFACE
1	KH-3	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	3	42.15	X-TRACTOR STAINLESS STEEL	2	16	20					
						3	20						

INTEGRAL SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	INSULATED	DAMPER(S)	TOTAL CFM	COLLARS TYPE	COLLARS MOUNTING	COLLARS QTY	COLLARS W	COLLARS L	COLLARS DIA.	COLLARS CFM	COLLARS S.P.	COLLARS VEL.
1	KH-3	FRONT	FRONT	NO	NO	1840	MUA	FACTORY	1	10	38		1840	0.14	697

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #MH11726
BACK INTEGRAL AIR SPACE - 3 IN WIDE
FACTORY MOUNTED EXHAUST COLLAR(S)
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
E.Deanda, P.E.
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:04 PM
A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

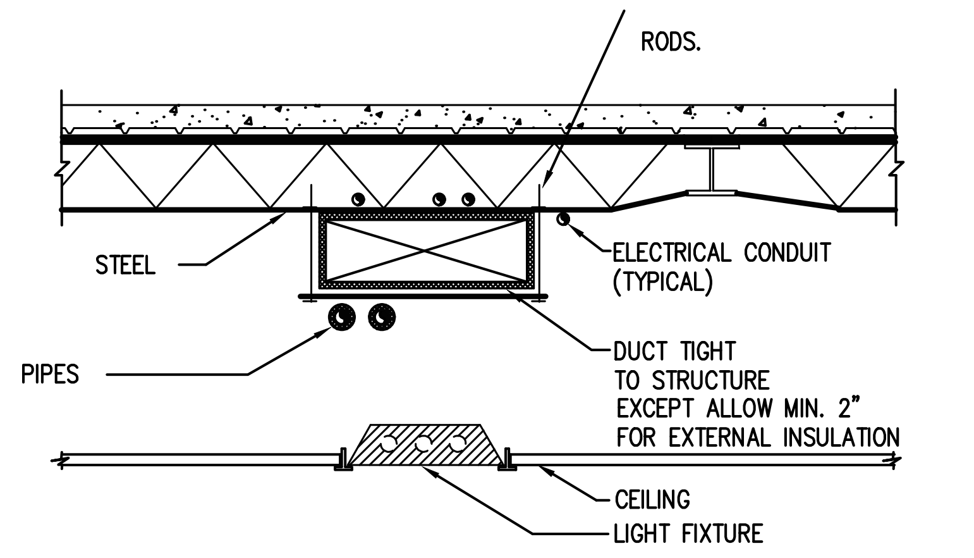
REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL SCHEDULES

SCALE: N.T.S

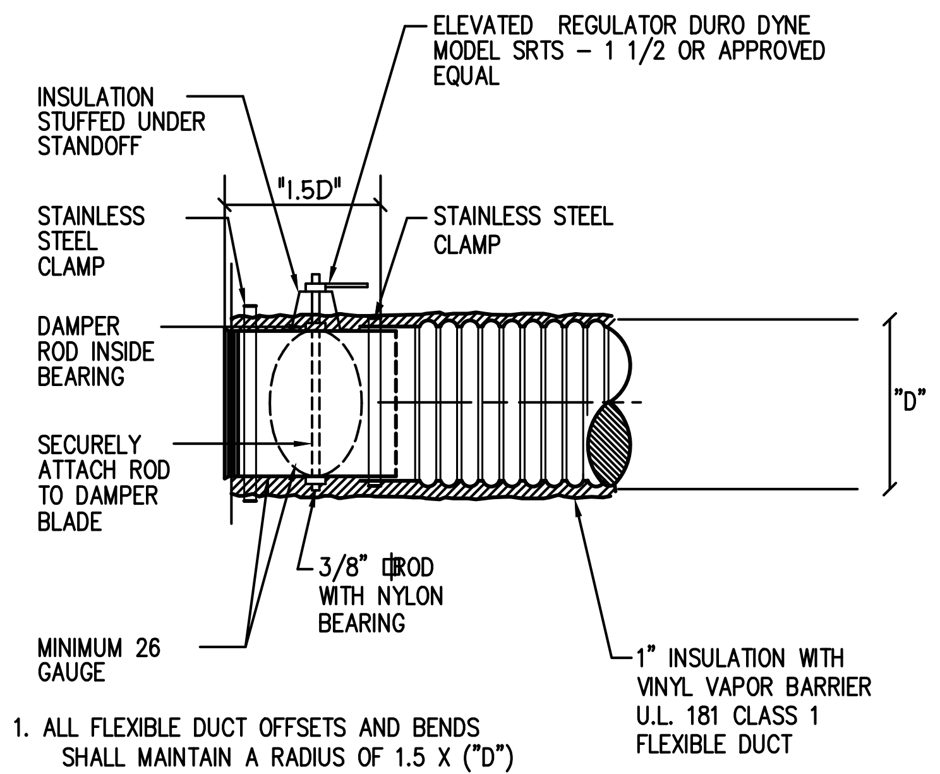
SHEET NO
M2.0


RODS.
STEEL
ELECTRICAL CONDUIT (TYPICAL)
PIPES
DUCT TIGHT TO STRUCTURE EXCEPT ALLOW MIN. 2" FOR EXTERNAL INSULATION
CEILING
LIGHT FIXTURE

NOTES:

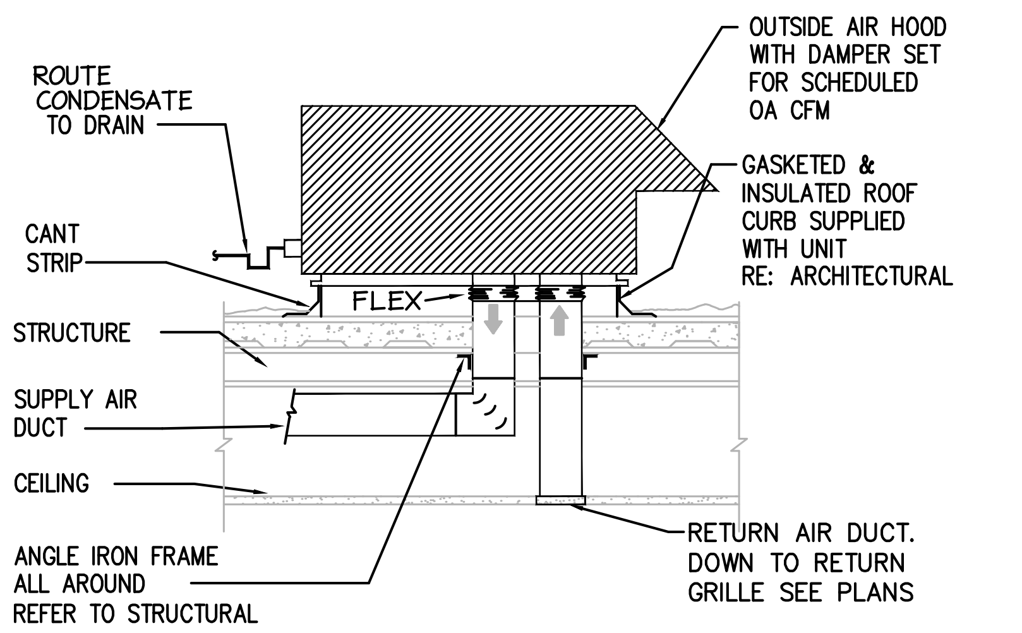
1. PIPES AND ELECTRICAL CONDUIT CAN BE ROUTED BETWEEN JOISTS OR THROUGH JOIST WEB SPACE AS REQUIRED. 2- DUCT SHALL BE LOCATED AS HIGH AS POSSIBLE.
2. U.L. DESIGN ASSEMBLY NUMBERS ARE SHOWN ON ARCHITECTURAL PLANS WHEN REQUIRED.
3. INSTALLATION OF ALL SERVICES MUST BE COORDINATED BY THE CONTRACTOR.

1 TYP. MEP INSTALLATION DETAIL
NOT TO SCALE


ELEVATED REGULATOR DURO DYNE MODEL SRTS – 1 1/2 OR APPROVED EQUAL
INSULATION STUFFED UNDER STANDOFF
"1.5D"
STAINLESS STEEL CLAMP
STAINLESS STEEL CLAMP
DAMPER ROD INSIDE BEARING
"D"
SECURELY ATTACH ROD TO DAMPER BLADE
3/8" ROD WITH NYLON BEARING
MINIMUM 26 GAUGE
1" INSULATION WITH VINYL VAPOR BARRIER U.L. 181 CLASS 1 FLEXIBLE DUCT

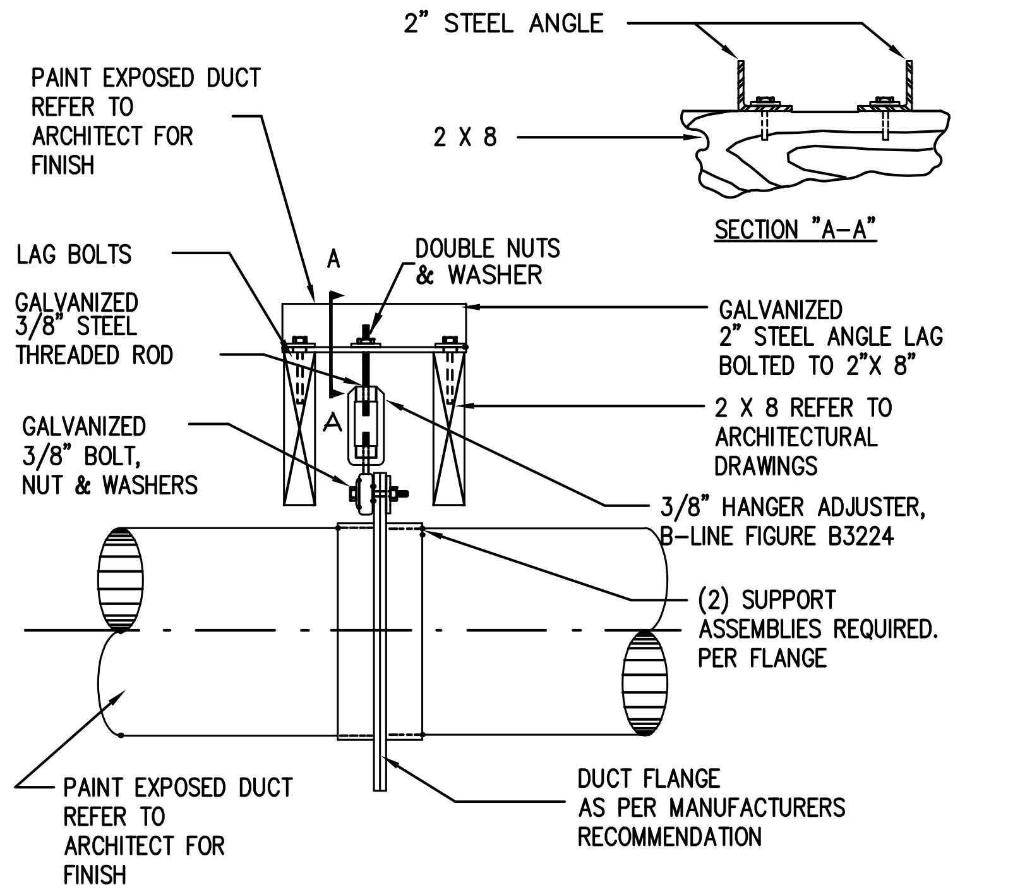
NOTE: 1. ALL FLEXIBLE DUCT OFFSETS AND BENDS SHALL MAINTAIN A RADIUS OF 1.5 X ("D") MINIMUM 3'-0" AND MAXIMUM 6'-0"
2.TYPICAL OF ROUND DUCT CONNECTIONS TO RECTANGULAR DUCTS

2 SPIN-IN DETAIL
NOT TO SCALE

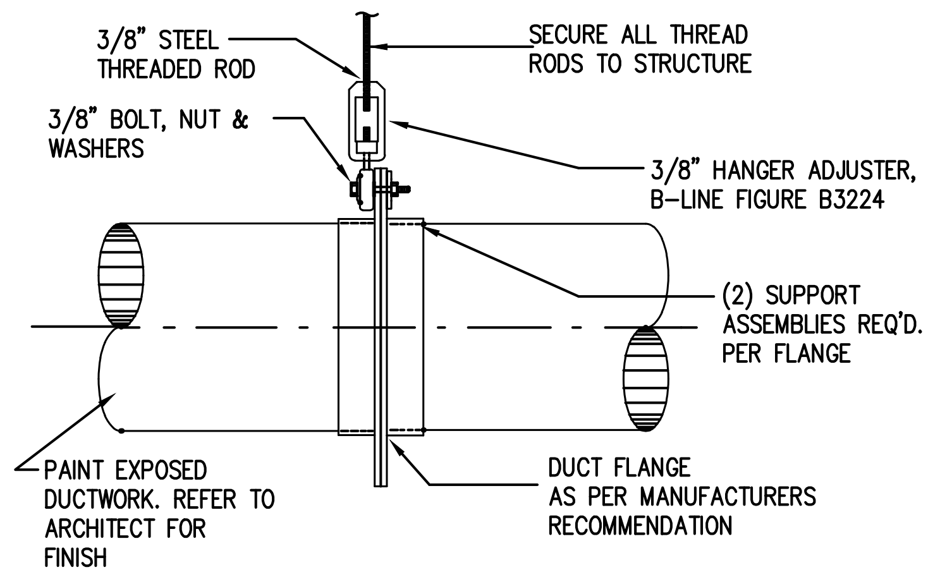

ROUTE CONDENSATE TO DRAIN
OUTSIDE AIR HOOD WITH DAMPER SET FOR SCHEDULED OA CFM
CANT STRIP
FLEX
GASKETED & INSULATED ROOF CURB SUPPLIED WITH UNIT RE: ARCHITECTURAL
STRUCTURE
SUPPLY AIR DUCT
CEILING
ANGLE IRON FRAME ALL AROUND REFER TO STRUCTURAL
RETURN AIR DUCT. DOWN TO RETURN GRILLE SEE PLANS

NOTE: ALL CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 GALVNIZED WITH MALLABLE IRON SCREWED FITTINGS.

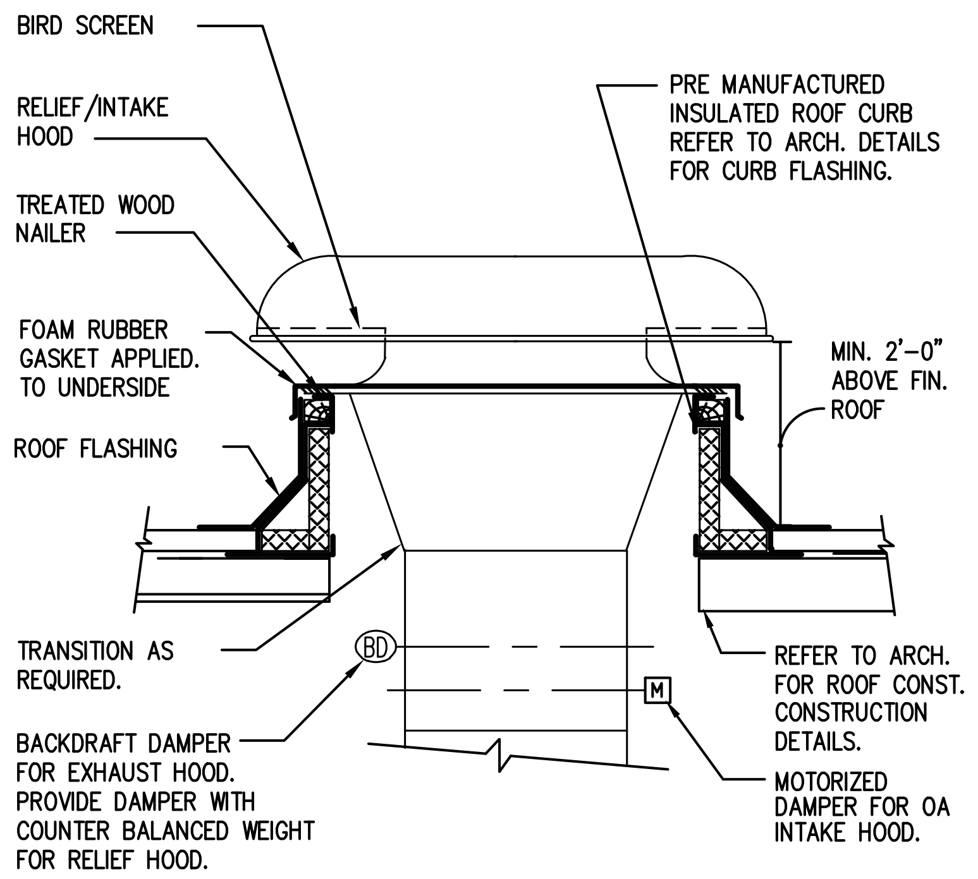
3 ROOF TOP UNIT MOUNTING DETAIL
NOT TO SCALE


2" STEEL ANGLE
PAINT EXPOSED DUCT REFER TO ARCHITECT FOR FINISH
2 X 8
SECTION "A-A"
LAG BOLTS
A
DOUBLE NUTS & WASHER
GALVANIZED 3/8" STEEL THREADED ROD
A
GALVANIZED 2" STEEL ANGLE LAG BOLTED TO 2"X 8"
GALVANIZED 3/8" BOLT, NUT & WASHERS
2 X 8 REFER TO ARCHITECTURAL DRAWINGS
3/8" HANGER ADJUSTER, B-LINE FIGURE B3224
(2) SUPPORT ASSEMBLIES REQUIRED. PER FLANGE
PAINT EXPOSED DUCT REFER TO ARCHITECT FOR FINISH
DUCT FLANGE AS PER MANUFACTURERS RECOMMENDATION

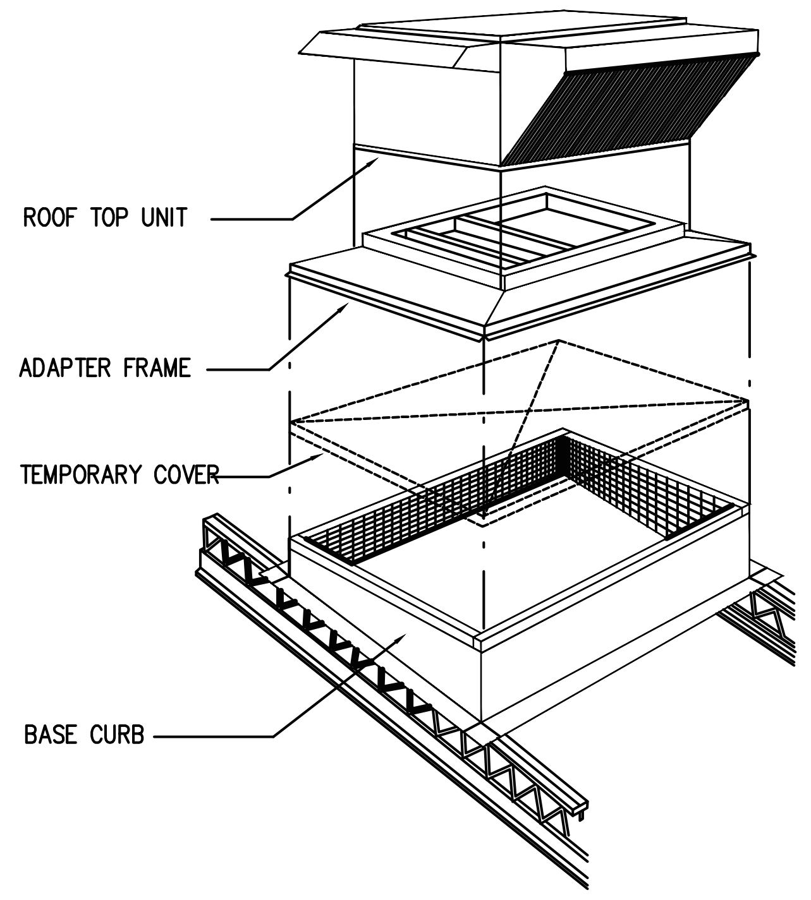
4 OVAL OR ROUND DUCT MOUNTING
NOT TO SCALE


3/8" STEEL THREADED ROD
SECURE ALL THREAD RODS TO STRUCTURE
3/8" BOLT, NUT & WASHERS
3/8" HANGER ADJUSTER, B-LINE FIGURE B3224
(2) SUPPORT ASSEMBLIES REQ'D. PER FLANGE
PAINT EXPOSED DUCTWORK. REFER TO ARCHITECT FOR FINISH
DUCT FLANGE AS PER MANUFACTURERS RECOMMENDATION

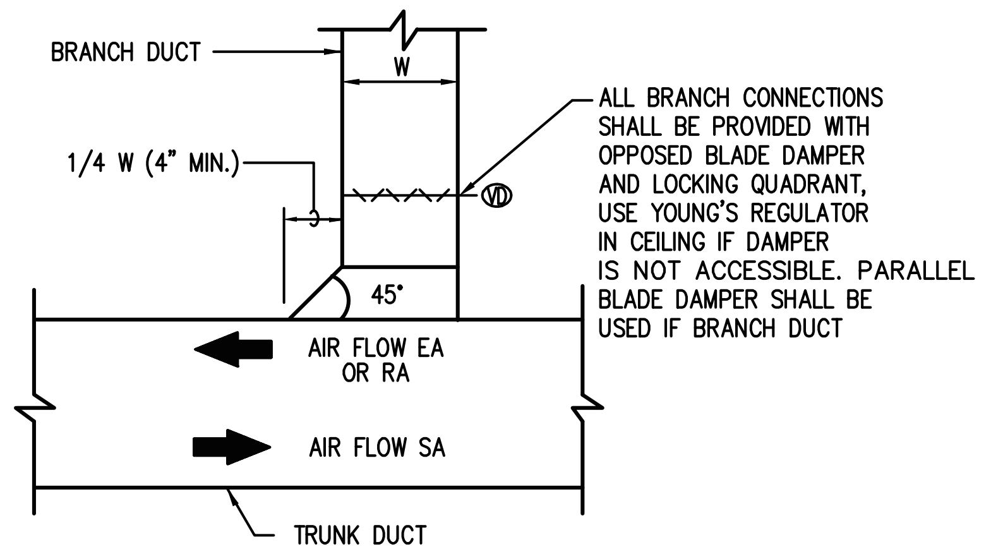
5 OVAL OR ROUND DUCT HANGER
NOT TO SCALE


BIRD SCREEN
RELIEF/INTAKE HOOD
PRE MANUFACTURED INSULATED ROOF CURB REFER TO ARCH. DETAILS FOR CURB FLASHING.
TREATED WOOD NAILER
FOAM RUBBER GASKET APPLIED. TO UNDERSIDE
MIN. 2'-0" ABOVE FIN. ROOF
ROOF FLASHING
TRANSITION AS REQUIRED.
BD
M
BACKDRAFT DAMPER FOR EXHAUST HOOD. PROVIDE DAMPER WITH COUNTER BALANCED WEIGHT FOR RELIEF HOOD.
REFER TO ARCH. FOR ROOF CONST. CONSTRUCTION DETAILS.
MOTORIZED DAMPER FOR OA INTAKE HOOD.

6 OA INTAKE OR EXHAUST RELIEF HOOD
NOT TO SCALE

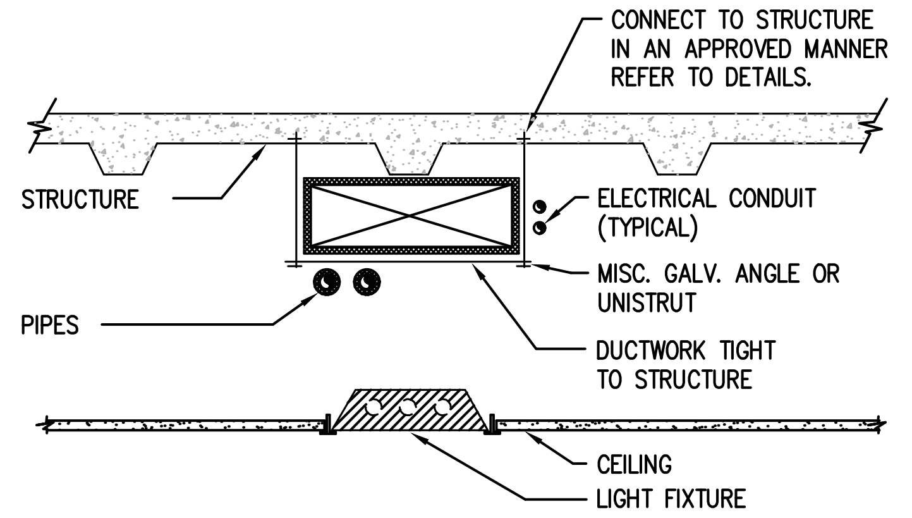


7 BASE CURB DETAIL
NOT TO SCALE


BRANCH DUCT
W
1/4 W (4" MIN.)
VD
ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPER AND LOCKING QUADRANT, USE YOUNG'S REGULATOR IN CEILING IF DAMPER IS NOT ACCESSIBLE. PARALLEL BLADE DAMPER SHALL BE USED IF BRANCH DUCT
45°
AIR FLOW EA OR RA
AIR FLOW SA
TRUNK DUCT

NOTE: THIS CONNECTION SHALL BE TYPICAL FOR ALL RECTANGULAR BRANCH DUCT CONNECTIONS TO RECTANGULAR TRUNK DUCTS, INCLUDING SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST DUCTS.

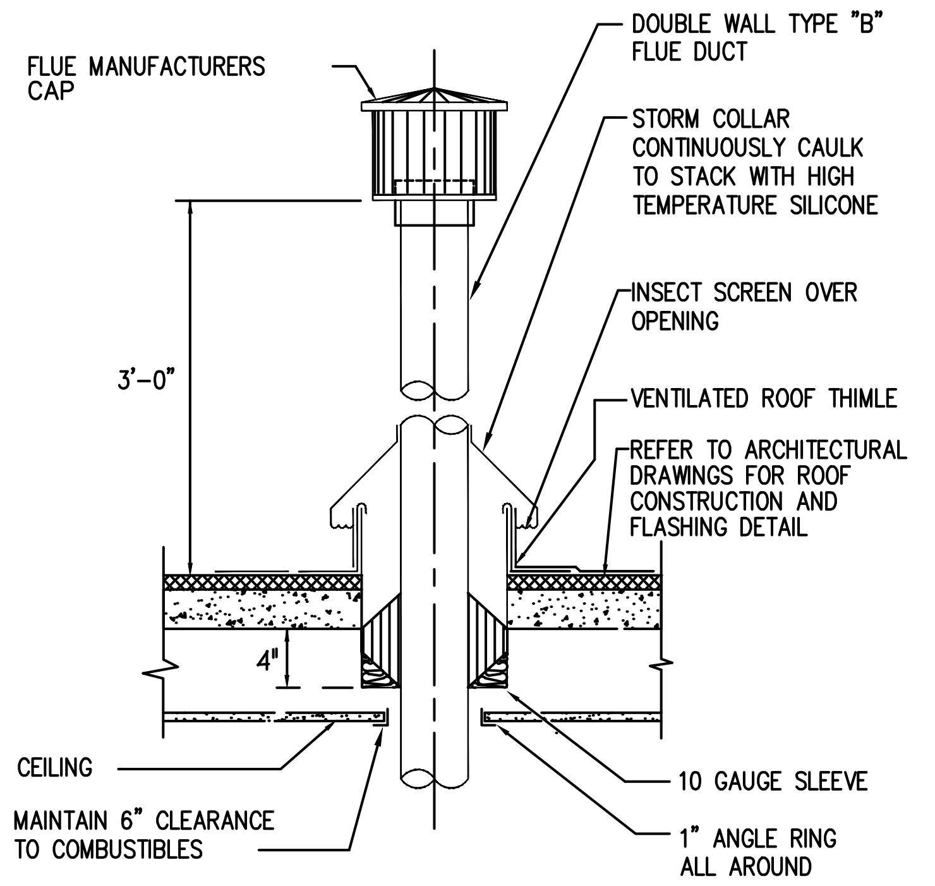
8 RECTANGULAR BRANCH DUCT TAP
NOT TO SCALE


CONNECT TO STRUCTURE IN AN APPROVED MANNER REFER TO DETAILS.
STRUCTURE
ELECTRICAL CONDUIT (TYPICAL)
MISC. GALV. ANGLE OR UNISTRUT
PIPES
DUCTWORK TIGHT TO STRUCTURE
CEILING
LIGHT FIXTURE

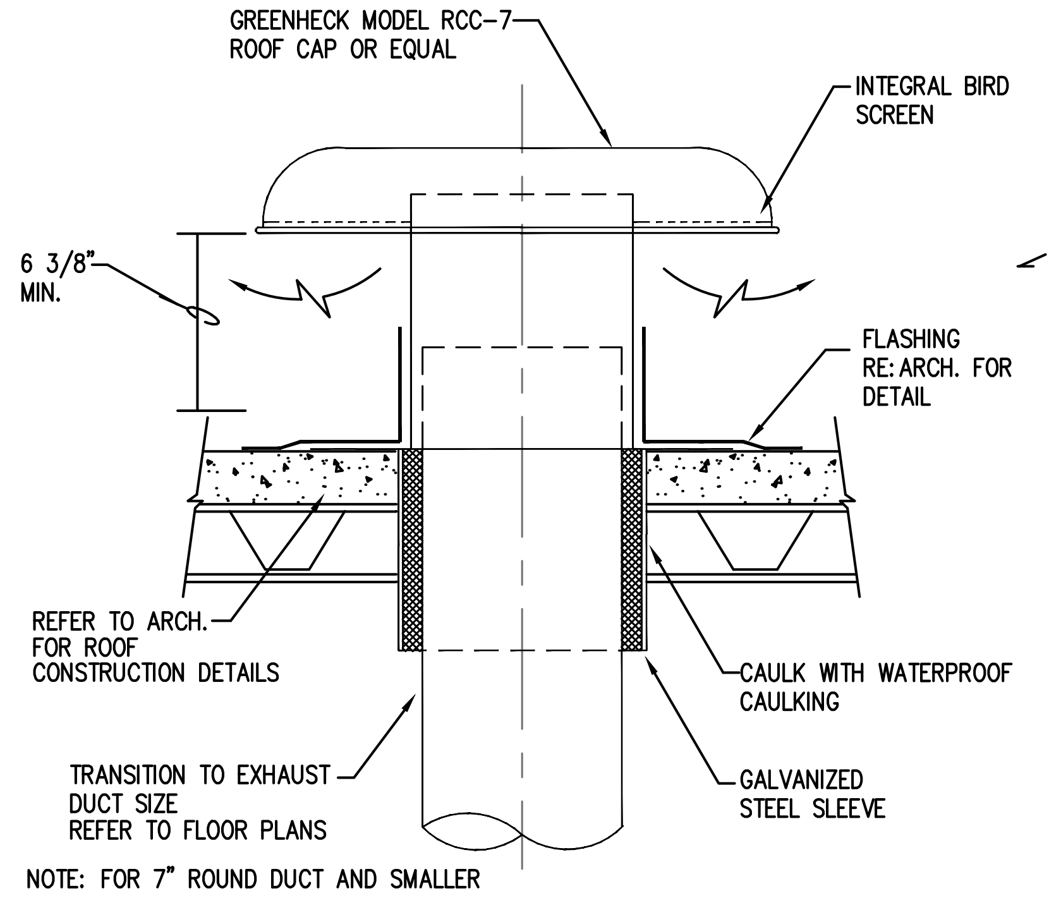
NOTE:

1. PIPES (INCLUDING SPRINKLER PIPING) AND ELECTRICAL CONDUIT CAN BE ROUTED BETWEEN JOISTS OR THROUGH JOIST WEB SPACE. DUCT SHALL BE LOCATED TIGHT TO STRUCTURE, UNLESS EXTERNALLY INSULATED OR NOTED OTHERWISE.
2. MINIMUM BOTTOM OF PIPE OR BOTTOM OF DUCT ELEVATION IS 8" ABOVE CEILING HEIGHT.

9 TYP. MEP INSTALLATION DETAIL
NOT TO SCALE

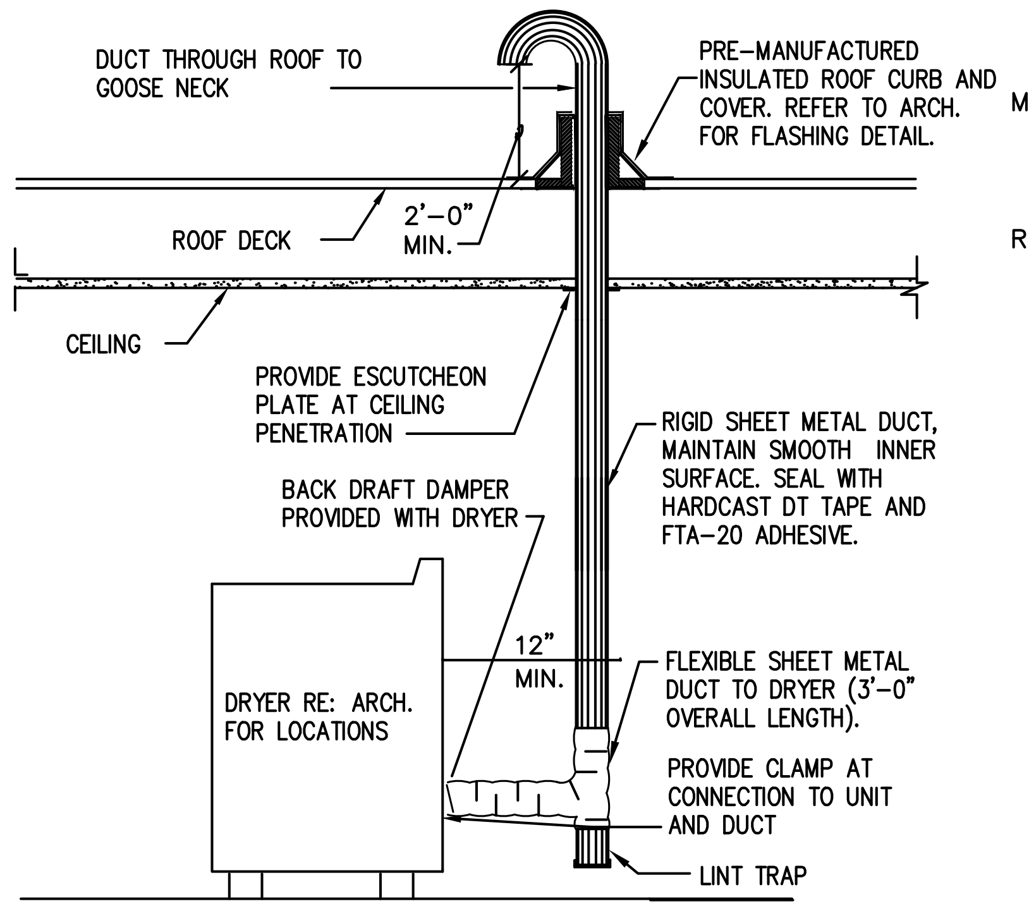

FLUE MANUFACTURERS CAP
DOUBLE WALL TYPE "B" FLUE DUCT
STORM COLLAR CONTINUOUSLY CAULK TO STACK WITH HIGH TEMPERATURE SILICONE
INSECT SCREEN OVER OPENING
3'-0"
VENTILATED ROOF THIMLE
REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION AND FLASHING DETAIL
4"
CEILING
10 GAUGE SLEEVE
MAINTAIN 6" CLEARANCE TO COMBUSTIBLES
1" ANGLE RING ALL AROUND

10 FLUE THRU FLAT ROOF DETAIL
NOT TO SCALE

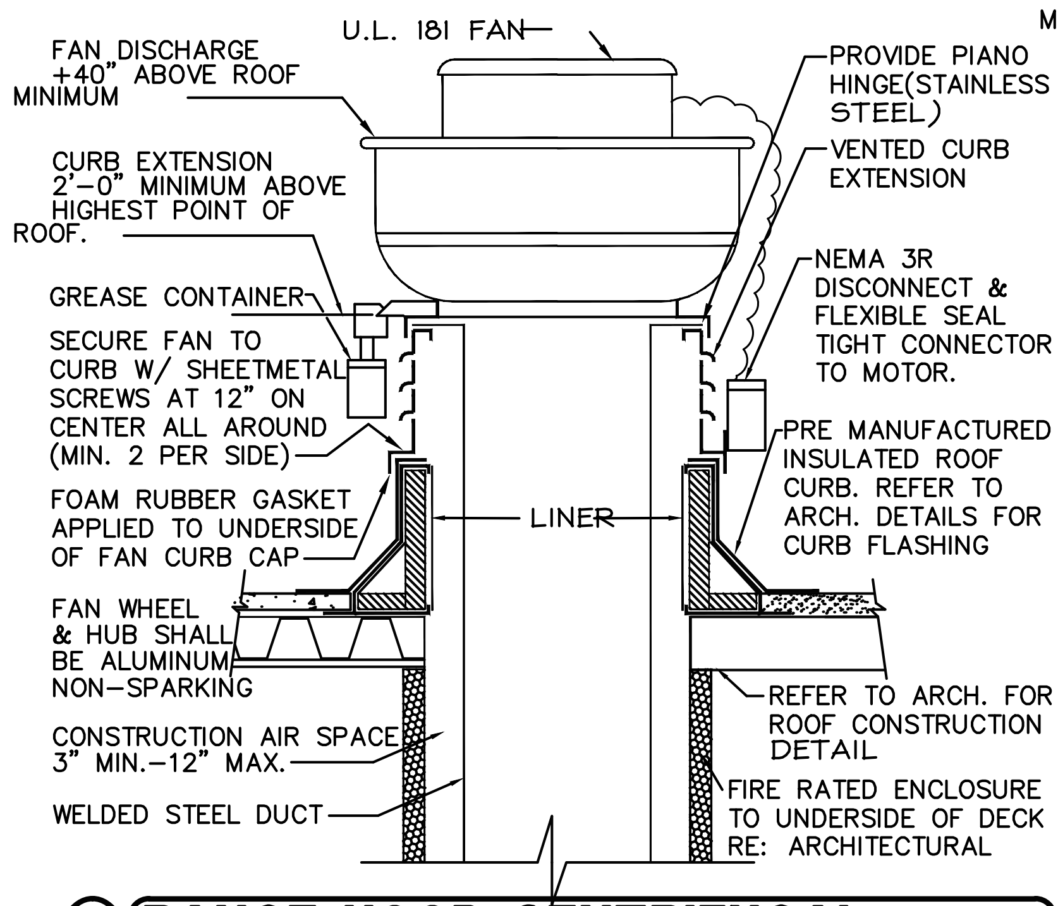

GREENHECK MODEL RCC-7-ROOF CAP OR EQUAL
INTEGRAL BIRD SCREEN
6 3/8" MIN.
FLASHING RE:ARCH. FOR DETAIL
REFER TO ARCH. FOR ROOF CONSTRUCTION DETAILS
CAULK WITH WATERPROOF CAULKING
TRANSITION TO EXHAUST DUCT SIZE REFER TO FLOOR PLANS
GALVANIZED STEEL SLEEVE

NOTE: FOR 7" ROUND DUCT AND SMALLER

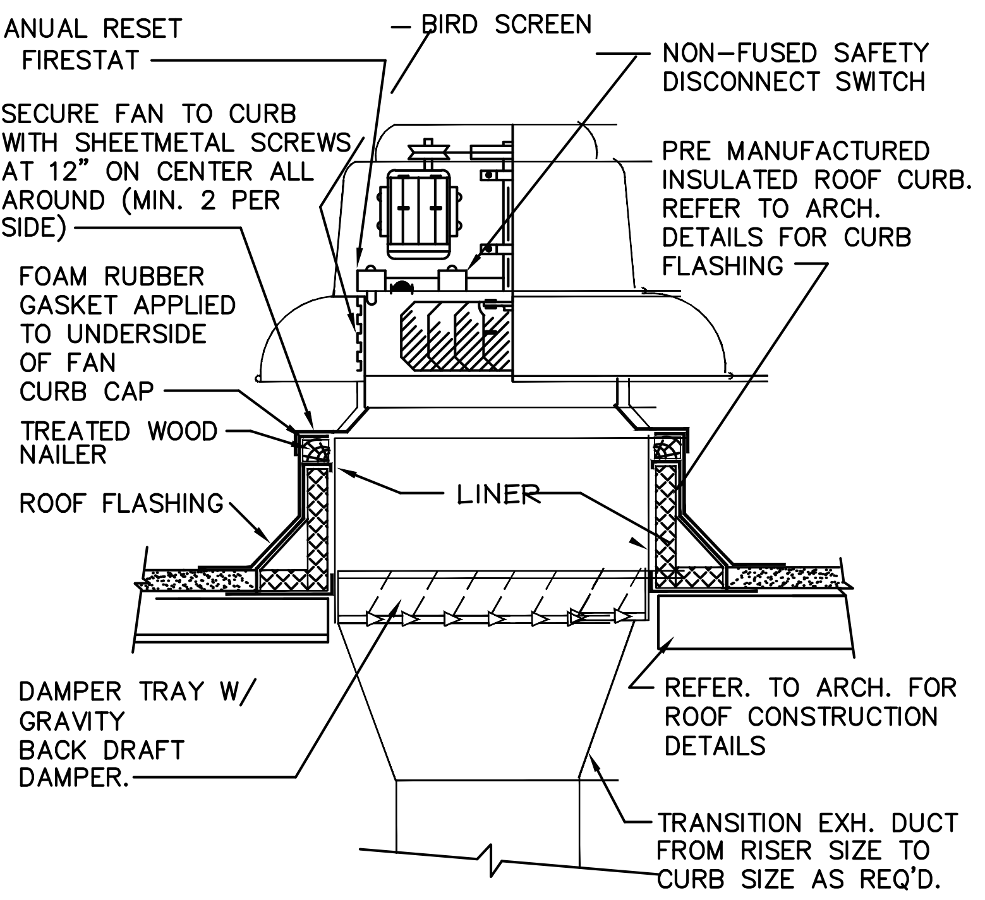
11 CEILING EXHAUST ROOF CAP
NOT TO SCALE


DUCT THROUGH ROOF TO GOOSE NECK
PRE-MANUFACTURED INSULATED ROOF CURB AND COVER. REFER TO ARCH. FOR FLASHING DETAIL.
ROOF DECK
2'-0" MIN.
CEILING
PROVIDE ESCUTCHEON PLATE AT CEILING PENETRATION
RIGID SHEET METAL DUCT, MAINTAIN SMOOTH INNER SURFACE. SEAL WITH HARDCAST DT TAPE AND FTA-20 ADHESIVE.
BACK DRAFT DAMPER PROVIDED WITH DRYER
12" MIN.
DRYER RE: ARCH. FOR LOCATIONS
FLEXIBLE SHEET METAL DUCT TO DRYER (3'-0" OVERALL LENGTH).
PROVIDE CLAMP AT CONNECTION TO UNIT AND DUCT
LINT TRAP

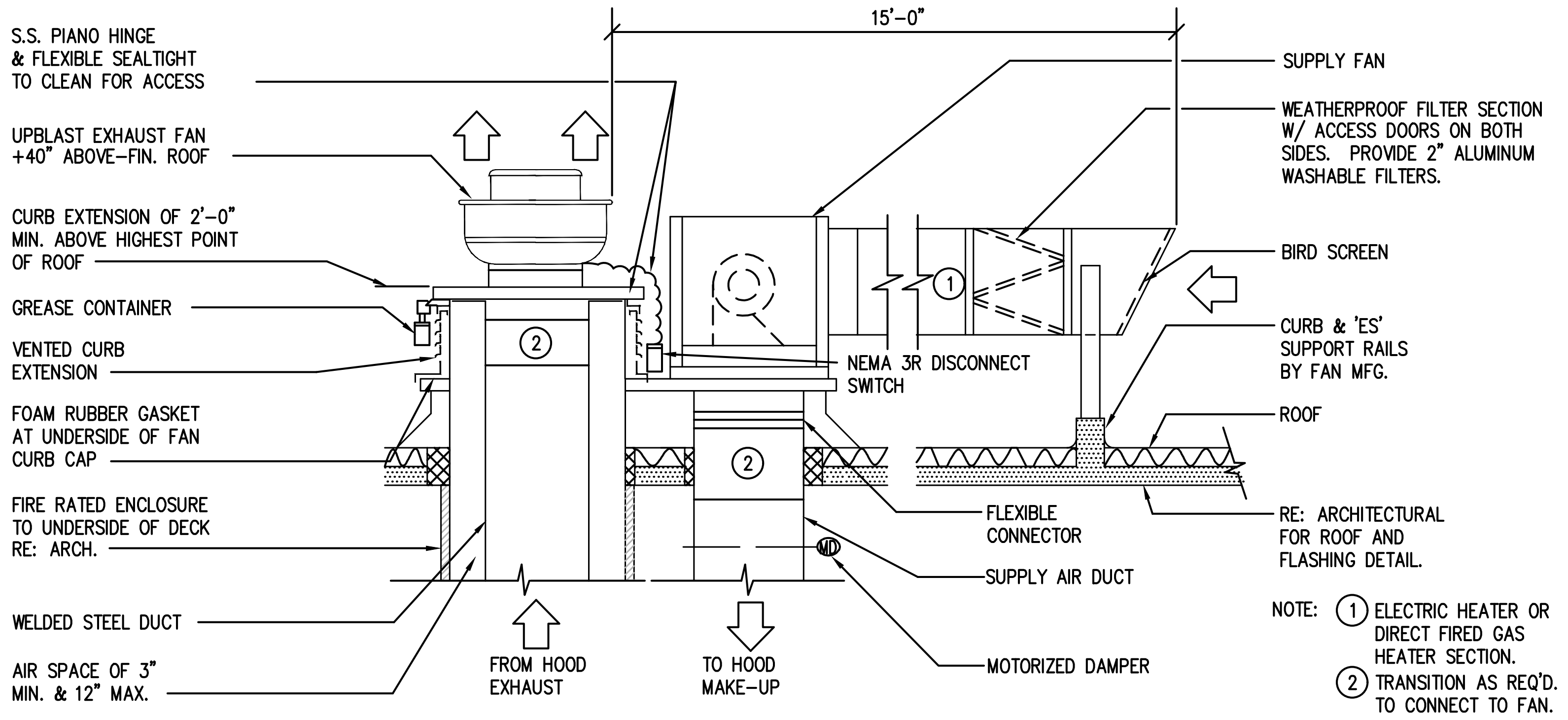
12 DRYER EXHAUST DETAIL
NOT TO SCALE


U.L. 181 FAN
FAN DISCHARGE +40" ABOVE ROOF MINIMUM
PROVIDE PIANO HINGE(STAINLESS STEEL)
VENTED CURB EXTENSION
CURB EXTENSION 2'-0" MINIMUM ABOVE HIGHEST POINT OF ROOF.
GREASE CONTAINER
NEMA 3R DISCONNECT & FLEXIBLE SEAL TIGHT CONNECTOR TO MOTOR.
SECURE FAN TO CURB W/ SHEETMETAL SCREWS AT 12" ON CENTER ALL AROUND (MIN. 2 PER SIDE)
PRE MANUFACTURED INSULATED ROOF CURB. REFER TO ARCH. DETAILS FOR CURB FLASHING
FOAM RUBBER GASKET APPLIED TO UNDERSIDE OF FAN CURB CAP
LINER
FAN WHEEL & HUB SHALL BE ALUMINUM NON-SPARKING
REFER TO ARCH. FOR ROOF CONSTRUCTION DETAIL
CONSTRUCTION AIR SPACE 3" MIN.-12" MAX.
WELDED STEEL DUCT
FIRE RATED ENCLOSURE TO UNDERSIDE OF DECK RE: ARCHITECTURAL

14 RANGE HOOD CENTRIFUGAL UPBLAST EXHAUST FAN
NOT TO SCALE


MANUAL RESET FIRESTAT
BIRD SCREEN
NON-FUSED SAFETY DISCONNECT SWITCH
SECURE FAN TO CURB WITH SHEETMETAL SCREWS AT 12" ON CENTER ALL AROUND (MIN. 2 PER SIDE)
PRE MANUFACTURED INSULATED ROOF CURB. REFER TO ARCH. DETAILS FOR CURB FLASHING
FOAM RUBBER GASKET APPLIED TO UNDERSIDE OF FAN CURB CAP
TREATED WOOD NAILER
LINER
ROOF FLASHING
DAMPER TRAY W/ GRAVITY BACK DRAFT DAMPER.
REFER. TO ARCH. FOR ROOF CONSTRUCTION DETAILS
TRANSITION EXH. DUCT FROM RISER SIZE TO CURB SIZE AS REQ'D.

15 CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE


15'-0"
S.S. PIANO HINGE & FLEXIBLE SEALTIGHT TO CLEAN FOR ACCESS
SUPPLY FAN
UPBLAST EXHAUST FAN +40" ABOVE-FIN. ROOF
WEATHERPROOF FILTER SECTION W/ ACCESS DOORS ON BOTH SIDES. PROVIDE 2" ALUMINUM WASHABLE FILTERS.
CURB EXTENSION OF 2'-0" MIN. ABOVE HIGHEST POINT OF ROOF
BIRD SCREEN
GREASE CONTAINER
①
②
VENTED CURB EXTENSION
NEMA 3R DISCONNECT SWITCH
CURB & 'ES' SUPPORT RAILS BY FAN MFG.
FOAM RUBBER GASKET AT UNDERSIDE OF FAN CURB CAP
②
ROOF
FIRE RATED ENCLOSURE TO UNDERSIDE OF DECK RE: ARCH.
FLEXIBLE CONNECTOR
RE: ARCHITECTURAL FOR ROOF AND FLASHING DETAIL.
SUPPLY AIR DUCT
MD
WELDED STEEL DUCT
AIR SPACE OF 3" MIN. & 12" MAX.
FROM HOOD EXHAUST
TO HOOD MAKE-UP
MOTORIZED DAMPER

NOTE: ① ELECTRIC HEATER OR DIRECT FIRED GAS HEATER SECTION.
② TRANSITION AS REQ'D. TO CONNECT TO FAN.

16 KITCHEN HOOD EXHAUST/VENTILATION SUPPLY UNIT
NOT TO SCALE

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
Edgar DeAnda P.E.
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 1:18:04 PM
A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL DETAILS

SCALE: N.T.S.

SHEET NO
M3.0

SECTION 15050 – MECHANICAL SPECIFICATIONS

PART I - GENERAL–MECHANICAL

1–1 DESCRIPTION

All work on these Drawings shall be done in strict accordance with these Specifications. The Work included under this Contract shall consist of the furnishing and installation of all equipment and material necessary and required to form the complete and functioning system in all of its various phases, all as shown on the accompanying drawings and/or described in these Specifications.

1–2 WARRANTY

The Contractor shall guarantee the work for a period of one year beyond date of final acceptance. During that period, the Contractor shall repair or replace, at his own expense, any faults or imperfections that may arise due to defects in material and workmanship, including the loss of refrigerant and/or oil due to leaks. Defects shall include but not be limited to noisy operation, loose or missing parts, or noticeable deterioration of finish. During the period, the Contractor shall actually perform all service work required, including the servicing of air filters. All air conditioning compressors shall have parts and labor guarantees for a period of not less than 5 years beyond the date of final acceptance.

1–3 PROJECT CONDITIONS

The Contractor shall visit the Site of the Work and fully understand the conditions that affect the work, or the cost thereof, understand the existing utilities from which services will be supplied, verify locations of utility services, determine requirements for connections, and determine in advance that equipment and materials proposed for installation fit into the confines indicated.

1–4 PERMITS AND FEES

The Contractor shall arrange and pay for all permits, fees, test, and all inspections as required by Governmental Authorities.

1–5 COORDINATION WITH FIELD CONDITIONS

The Contract Documents are schematic in nature in that they are only to establish "Scope" and a minimum level of quality. All duct or pipe or equipment locations as indicated on the Documents do not indicate every transition, offset, or exact location. All transitions, offsets, and exact locations shall be established by actual field measurements, coordination with the structural, architectural and reflected ceiling plans. All transitions, offsets, and relocations as required by actual field conditions shall be performed by the Contractor at no additional cost to the Owner.

1–6 SUBMITTALS

Contractor shall provide six sets of Shop Drawings and Submittals on all Mechanical equipment, insulation, air devices, ductwork (flexible and rigid), and thermostats. Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The Contractor shall provide two copies of Owner's Manual to the Architect upon completion of the Work.

1–7 QUALITY ASSURANCE

All Work shall be performed in accordance with all State, Local, and Federal Codes and all Authorities and Jurisdiction.

1–8 EQUIPMENT IDENTIFICATION

All Mechanical equipment shall be identified by means of nameplates permanently attached to the equipment. Nameplates shall be engraved laminated plastic or etched metal.

1–9 TESTING AND BALANCING

Testing and balance shall be provided by the Mechanical Sub–Contractor, with the services of an Independent Test and Balance Agency. The Test and Balance Company shall specialize in such work, and be a member of Associated Air Balance Council (AABC). The forms used shall be based on recommendations of AABC. Upon completion of the Balancing and Testing, the Balancing Contractor shall compile the test data in report forms, and forward five copies to the Architect for evaluation. The final report shall contain logged results of all tests, including such data as:

Tabulation of air volume at each outlet. (Balanced to within 5% design).

Outside dry bulb and wet bulb temperature.

Inside dry bulb and wet bulb temperatures in each conditioned space room or area.

Actual fan capacities, RPM's and static pressures. Motor current and voltage readings at each fan.

Entering and leaving air temperatures, DB and WB.

PART II - DUCTWORK–MECHANICAL

2–1 METAL DUCTWORK

All ductwork shall be properly suspended or supported from the building structure. Hangers shall be galvanized steel straps or hot–dipped galvanized rod with thread pointed after installation. Strap hanger shall be attached to the bottom of the ductwork. The spacing, size and installation hangers shall be in accordance with the recommendations of latest edition of SMACNA space hangers as required to support ducts without sagging.

Ventlock No. 699 "Test Plugs" shall be provided in ductwork at all openings in ductwork required for testing and balancing.

2–2 DUCTWORK MATERIALS

Exposed Ductwork Materials: Where ductwork is indicated to be exposed to view in occupied spaces, provide materials which are free from visual imperfections including pitting, seam marks, roller marks, stains and discolorations, and other imperfections, including those which would impair painting.

Sheet Metal: Except as otherwise indicated, fabricate ductwork from galvanized sheet, sheet complying with ASTM A527, lockforming quality, with G90 zinc coating in accordance with ASTM A 525; and mill phoshatized for exposed locations.

Stainless Steel Sheet: Where indicated, provided stainless steel complying with ASTM A167; Type 316; with No. 4 finish where exposed to view in occupied spaces, No. 1 finish elsewhere. Protect finished surfaces with mill–applied adhesive protective paper, maintained through fabrication and installation.

Aluminum Sheet: Where indicated, provide aluminum sheet complying with ASTM B209, Alloy 3003, Temper H14.

A. Non combustible and conforming to UL 181, Class 1 air duct materials.

B. Flexible ducts: Flexmaster U.S.A. Inc. Type 3M or approved equal, corrosive resistance galvanized steel formed and Mechanically locked to inner fabric with 1 inch thick insulation when flexible ducts are located in conditioned spaces and with R–5 insulation when located in unconditioned spaces. Flexible duct shall have reinforced metalized outer jacket comply with UL 181, Class 1 air duct.

C. Sealants: Hard–Cast "Iron Grip: or approved equal, non–hardening, water resistant, fire resistive and shall not be a solvent curing product. Sealants shall be compatible with mating materials, liquid used alone or with tape or heavy mastic.

D. Ductwork Support Materials: Except as otherwise indicated, provide hot–dipped galvanized steel fasteners, anchors, rods, straps, trim and angles for support of ductwork.

1. For exposed stainless steel ductwork, provide matching stainless steel support materials.
2. For aluminum ductwork, provide aluminum support materials.

2–1–2 LOW PRESSURE DUCTWORK

A. Fabricate and support in accordance with latest SMACNA low pressure duct construction standards and ASHRAE handbooks, except as indicated. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.

B. Size round ducts installed in place of rectangular ducts in accordance with ASHRAE table of equivalent rectangular and round ducts. No variation of duct configuration or sizes permitted except by approved shop drawings. Obtain engineer's approval prior to using round duct in lieu of rectangular duct.

C. Construct T's, bends, and elbows with radius of not less than 1–1/2 times width of duct on centerline. Where not possible and where rectangular elbows are used, provide airfoil–turning vanes. Where acoustical lining is indicate, provide turning vanes of perforated metal with glass fiber insulation.

D. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible. Divergence upstream of equipment shall not exceed 30 degrees; convergence downstream shall not exceed 45 degrees.

E. Use crimp joints with bead for joining round duct sizes 6 inch smaller with crimp in direction of airflow.

F. Use double nuts and lock washers on threaded rod supports.

2–1–3 CASINGS

A. Fabricate casings in accordance with SMACNA low pressure duct construction standards and SMACNA high pressure duct construction standard and construct for operating pressures indicated.

B. Mount floor mounted casings on 4 inch high concrete curbs. At floor, rivet panels on 8 inch centers to angles. Where floors are acoustically insulated, provide liner of 18 gage galvanized expanded metal mesh supported at 12 inch centers, turned up 12 inches at sides with sheet metal shields.

C. Reinforce doorframes with steel angles tied to horizontal and vertical plenum supporting angles. Install hinged access doors where indicated or required for access to equipment for cleaning and inspection. Provide clear wire glass observation ports, minimum 6x6 inch size.

D. Fabricate acoustic casings with reinforcing turned inward. Provide 16 gage back facing and 22 gage perforated front facing with 3/32 inch diameter holes on 5/32 inch centers. Construct panels 3 inches thick packed with 4.5 lb./cubic foot minimum glass fiber media, on inverted channels of 16 gage.

2–1–4 KITCHEN HOOD EXHAUST DUCTWORK

A. Fabricate in accordance with SMACNA low pressure duct construction standards, high pressure duct construction standards, and NFPA 96.

B. Construct of 16 gage carbon steel or 18 gage stainless steel, using continuous external welded joints.

2–1–5 EXECUTION

A. Obtain Manufacturer's Inspection and acceptance of fabrication and installation of ductwork at beginning of installation.

B. Provide openings in ductwork where required to accommodate thermometers and controllers. Provide Pitot tube openings where required for testing of systems, complete with metal can with spring device or screw to ensure against air leakage where openings are provided in insulated ductwork, install insulation material inside a metal ring.

C. Locate ducts with sufficient space around equipment to allow normal operating and maintenance activities.

D. Connect terminal units to medium or high pressure ducts with four feet maximum length of flexible duct. Do not use flexible duct to change direction.

E. Connect diffusers or troffer boots to low pressure ducts with 6 feet maximum, 4 feet minimum, length of flexible duct. Hold in place with strap or clamp.

F. During construction provide temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering ductwork system.

G. The interior surface of all ductwork shall be smooth. No sheet metal parts, tabs, angles, or anything else may project into the ducts for any reason, except as specified to be so. All seams and joints shall be external.

H. All ductwork located exposed on roof shall be "Crowned" to prevent water from ponding. Reference insulation for additional requirements.

I. Where ducts pass through floors, provide structural angles for duct support. Where ducts pass through walls in exposed areas, install suitable sheet metal escutcheons as closers.

J. All angles shall be carried around all four sides of the duct or group of ducts. Angles shall overlap corners and be welded or riveted.

K. All ductwork shall be fabricated in a manner to prevent the seams or joints being cut for the installation of grilles, registers, or ceiling outlets.

2–1–6 INSTALLATION OF FLEXIBLE DUCTS

A. Maximum length: For any duct run using flexible ductwork, do not exceed 6'–0" extended length.

B. Installation: Install in accordance with Section 3 of SMACNA's, "HVAC duct construction standards, metal and flexible".

C. Provide spin–in fitting for all round flexible duct connections to rectangular duct. Spin–in fittings shall factory fabricated, and include an air extractor scoop and a balancing butterfuly damper with a locking quadrant and handle. Balancing shall be at the spin–in fitting and not at the air distribution device.

2–1–7 DUCTWORK HANGERS AND SUPPORTS

A. All ductwork shall be properly suspended or supported from the building structure. Hangers shall be galvanized steel straps or hot–dipped galvanized rod with threads pointed after installation. Strap hanger shall be attached to the bottom of the ductwork, Provide a minimum of two screws one at the bottom and one in the side of each strap on metal ductwork. The spacing, size and installation of hangers shall be in accordance with the recommendations of the latest SMACNA Edition.

B. All duct risers shall be supported by angles or channels secured to the sides of the ducts at each floor with sheet metal screws or rivets. The floor supports may also be secured to ducts by rods, angles or flat bar to the duct joint or reinforcing. Structural steel supports for duct risers shall be provided under this division.

2–2 DUCT INSULATION

All insulation shall be installed in accordance with the Manufacturer's recommendations and printed installation instructions.

All items required for a complete and proper installation are not necessarily indicated on the Plans or in the Specifications. Provide all items required as per manufacturer's requirements.

All toilet exhaust ductwork shall be unlined sheet metal with all joints sealed. Duct dimensions shown on Plans are clear inside dimensions.

2–2–1 EXTERNAL DUCT INSULATION

A. Fasten all longitudinal and circumferential laps with outward clinching staples 3" on center. On rectangular ducts over 24" wide apply as above and hold insulation in place on bottom side with mechanical pins and clips on 12" centers.

B. Seal all joints, fastener penetrations and other breaks in vapor barrier with 3 inch wide strips of white glass fabric embedded between two coats of vapor barrier mastic, childers CP–30 or approved equal.

C. All external duct insulation shall be Johns Manville Type 75 fiberglass duct wrap insulation with reinforced aluminum facing or approved equal.

D. External duct wrap is required on all outside air ducts and supply air ducts that are not internally insulated. Duct wrap shall be provided as follows:

1. 1 ½ " thick, 1/0 PCF density minimum when ducts are located in conditioned spaces.

2. 2" thick with a minimum installed R–value of 5 when ducts are located in unconditioned spaces, such as ceiling plenum space.

2–2–2 DUCT LINER

A. Duct liner shall be kept clean and dry during transportation, storage and installation. Care should be taken to protect the liner from exposure to the elements or damage from mechanical abuse.

B. All portions of duct designed to receive duct liner shall be completely covered with liner as specified. The smooth, black, acrylic–coated surfaces with flexible glass cloth reinforcement shall face the airstream. All duct liner shall be cut to assure tight, overlapped corner joints. The top pieces shall be supported y the sidepieces. Duct liner shall be installed following the guidelines in the NAIMA "Duct Liner Installation Standard".

C. The duct liner shall be tested according to erosion test method in UL 181 and shall be guaranteed to withstand velocities in the duct system up to 5000 FPM without surface erosion.

D. Duct liner shall be adhered to the sheet metal with full coverage of an approved adhesive that conforms to ASTM C 916, and all exposed leading edges and transverse joints shall be coated with permacote factory–applied or field–applied edge coating and shall be neatly butted without gaps. Shop or field cuts shall be liberally coated with Johns Manville Superseal? Duct butter and edge treatment or approved adhesive.

E. Metal nosings shall be securely installed over transversely oriented liner edges facing the airstream at forward discharge and at any point where lined duct is preceded by unlined duct.

F. When velocity exceeds 4000 FPM (20.3 M/SEC), use metal nosing on every leading edge. Nosing may be formed on duct or be channel or zee attached by screws, rivets or welds.

G. The liner shall further be secured with graham welding pins and washers on not more than 18 inch centers both vertical and horizontal surfaces, and the pins and washers shall be pointed up with adhesive.

H. Duct liner shall be Johns Manville Linacoustic RC fiberglass duct liner with factory–applied edge coating or approved equal. The liner shall meet the life safety standards as established by NFPA 90A and 90B, FHC 25/50 and limited combustibility and the air stream surface coating should contain an immobilized, EPA–registered, anti microbial agent so it will not support microbial growth as tested in accordance with ASTM G21 and G22, the duct liner shall conform to the requirements of ASTM C 423 using a Type "A" mounting, and a thermal conductivity no higher than .25 BTUIN/(HRFT2°F) at 75°F mean temperature.

I. Duct liner is required on all return air ductwork, return air boots and supply air ductwork downstream of the terminal units. Duct liner shall be provided as follows:

1. 1" thick, 1.5 PCF density minimum when ducts are located in conditioned spaces.

2. 1 ½ " thick with a minimum installed R–value of 5 when ducts are located in unconditioned spaces, such as ceiling plenum space.

3. 2" thick with a minimum installed R–value of 8 when ducts are located outdoors.

J. Line supply and return ductwork at connection of HVAC unit to a point of 15 feet upstream and downstream of the equipment with John Manville, linacoustic RC with an R–value of 5 or approved equal for thermal insulation and noise control. The liner shall meet the safety standards as indicated above with NRC not less than 0.75 as tested per ASTM C423 using a Type "A" mounting and thermal conductivity no higher than 0.24 BTUIN/(HRFT2F) at 75°F mean temperature. Attach with full cover coat of cement, duct dimensions up to 16 inches, provide stick clips or screws and cap for dimension over 16 inches, space 16 inches O.C. maximum. Provide sheet metal liner cap over all leading edges of internal insulation exposed to air stream.

2–2–3 EXPOSED DUCTWORK LOCATED INDOORS

A. Duct routed exposed shall be internally lined as specified.

B. Round and [flat oval] duct routed exposed shall be double wall with solid inner liner and 1" thick layer of fiberglass insulation as manufactured by United McGill Company model no. Acousti–27 or approved equal.

2–2–4 EXPOSED DUCT LOCATED OUTDOORS

A. All duct located outdoors shall be internally lined as specified and also shall have a 2" thick, 6lb. density rigid board external duct insulation, finished with a white weatherproofed canvas material.

2–2–5 AIR DEVICE AND MISCELLANEOUS DUCT INSULATION

A. The backside of all supply air devices shall be insulated with taped and sealed 1 ½ inch thick external duct wrap.

B. The Contractor shall install an additional layer of 1 ½ inch thick external fiberglass duct wrap on any portion of the supply air, return air, outside air, or exhaust air system that has condensation forming during any period of operation. The insulation shall be taped and sealed and located until all evidence of the condensation had been eliminated at no additional cost to the owner.

2–2–6 KITCHEN GREASE HOOD EXHAUST DUCT

A. All kitchen range hood exhaust duct shall be enclosed with 2 hours fire rated enclosure.

B. The duct enclosure shall be sealed around the duct at the points of penetration.

C. The enclosure shall be separated from the duct by at least 3 inches and not more than 12 inches.

D. Cleanout openings at exhaust duct with access openings at the fire rated enclosure and access doors shall be provided at each duct offset and as required for proper operation and maintenance.

E. As an alternate method, the Contractor may use the "3M fir barrier 1000 N/S silicone sealant", Johns Manville firetemp wrap SL2 or approve equals in lieu of the fire rated enclosure, providing the product used shall meet UL requirements and be approved by the local authority have jurisdiction. This application shall follow the Manufacturers' strict installation instructions and guidelines.

F. Insulation and all other requirements shall be provided per local codes.

PART III: EQUIPMENT - MECHANICAL

3–1 AIR DISTRIBUTION

A. Air distribution devices shall be selected at a maximum of 25 noise criteria and at a maximum of 0.06" W.G. total pressure drop. Approved Manufacturers are Metalaire, Titus, and Krueger.

B. The backside of all supply air devices not located in a return air plenum shall be insulated with taped and sealed 1–½" thick one lb. density fiberglass insulation with vapor barrier.

3–2 PIPING

A. All condensate drains shall be galvanized steel or copper with ½" thick armaflex insulation.

B. Refrigerant piping shall be copper ACR tubing, fittings shall be wrought copper steamlined sweat fitting.

C. All condenser water piping shall be Type L hard drawn copper tubing, fittings shall be ANSI/ASME B16.23 cast brass, or ANSI/ASME B16.29 solder wrought copper, joints shall be ANSI/AWS A5.9, BCUP silver braze.

3–3 SOUND AND VIBRATION CONTROL

A. Provide vibration isolation supports for equipment, piping, and ductwork to prevent transmission of vibration and noise to the building structure that may cause discomfort to the occupants.

B. All items required for a complete and proper installation are not necessarily indicated on the plans or in the Specification. Provide all items required as per Manufacturers requirements and install as per Manufacturers recommendations and instructions.

C. All vibration isolators shall be designed and treated for resistance to corrosion.

3–4 FANS

A. The following Manufacturers are approved subject to Specification Compliance: Greenheck, Cook, Breidert, ACME, Penn.

B. All fans shall be tested in accordance with latest AMCA Fan Test Code shall bear AMCA certified rating seal.

C. All fans with V–belt drives shall have statically and dynamically balanced adjustable sheaves with drive capacity not less than 150% of the nominal motor horsepower. Adjustable drives as Manufactures by Browning, Gates, or Goodrich will be acceptable.

D. All motors shall be selected so that they will not overload if the static pressure drops one–half inch. Motor Controller will be furnished by this division, unless noted otherwise on the plans. Refer to drawings fro 2–speed fan motor requirements. Provide fan guard for all wall mounted fans.

E. Fans shall be installed as detailed on drawings and in accordance with Manufacturer's recommendations. Fans moving 2,000 CFM and more shall have smoke detector installed in ductwork or other suitable location to detect products of combustion and shut–off fan.

3–5 AIR FILTERS

A. The following Manufacturers are approved subject to Specification Compliance; American Air Filter, Air Guard Industries Inc., and Cambridge.

B. The filters shall be Farr 30/30 2 inch thick or approved equal.

3–6 FAN COIL UNITS

A. Fan Coil Units shall be factory manufactured by Carrier, Trane, JCI.

B. Units shall be draw–through with fan section, cooling coil section, condensate drain pan, adjustable blower drive with motor on resilient mounted base, vee–belts with guard, filter section, and mixing box (unless noted otherwise on drawings). Assemble as integrated air handling units.

C. Casing shall be galvanized steel with 1" thick, 3/4 PCF density, neoprene coated fiberglass cemented in place with waterproof adhesive, having fire retardant characteristics in accordance with NFPA 90A. Drain pan shall not be lighter than 14 gage, and shall extend completely under the coil section and control valves. Pan shall be all galvanized, foam insulated with drain connections. Cooling coil shall be cartridge type and shall be removable from either end of the unit. Coils shall be constructed of copper tubes with aluminum fins and shall be designed for even distribution of air across the face of the coil. Air shall not pass around coil frames. Maximum face velocity across cooling coil shall not exceed 500 fpm. DX refrigerant coils shall be counter–flow refrigerant–to–air and shall have thermostatic expansion valves with adjustable superheat.

3–7 AIR COOLED CONDENSING UNIT

A. Air Cooled Condensing Units shall be manufactured by Carrier, Trane, or JCI..

B. Unit shall consist of high efficiency hermetic compressor, air cooled condenser with quiet fan, factory wired controls, R–410 refrigerant, and refrigeration circuit and valves. Cabinet shall be heavy–gage galvanized steel with bonding primer and baked enamel finish coat. The entire cabinet shall be protected from rust. Compressor shall be protected from excessive current and temperatures and shall be provided with a thermostatically controlled crankcase heater. Compressor shall be spring–mounted on rubber isolators in a compartment isolated from condenser fan and coil. Provide high/low refrigerant safety switches, compressor overload service, low ambient control (to 20 F), solid state timed–off control, and hard start kit. Condenser fan shall be directly connected to a weather–protected, quiet, high efficiency motor. Fan guard shall be provided and shall be a PVC finish. Connections for refrigerant suction and liquid lines shall extend outside the cabinet and shall have service valves with gauge connections.

3–8 AUTOMATIC TEMPERATURE CONTROLS

A. Provide programmable thermostat similar to Honeywell model #T7400. Thermostat shall be capable of 24 hour, seven day scheduling and night–time setback.

B. The thermostat shall have the capability to set back or shut down the system based on the day, and provide readily accessible manual overdrive that will return to the presetback or shutdown schedule with programming.

C. Where used to control both heating and cooling, zone thermostat controls shall provide a temperature range or deadband of a least 5°F within which the supply of eat and cooling energy to zone is capable of being shut off or reduced to a minimum.

D. Acceptable Manufacturers shall be HVAC Unit Manufacturer Johnson Controls, Honeywell, Robert–Shaw, Siebe Environmental Controls, and Powers.

E. Provide locking metal cover for thermostat.

F. Thermostats shall cycle stages of cooling and heating as indicated on the drawings to maintain room setpoint temperature (adjustable). Supply fan shall operate continuously during scheduled hours of operation.

G. Controls shall be installed under the supervision of the Manufacturer's Representative.

END OF SECTION

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
6/30/2023

REVIEWED - GENERAL BUILDING
01/23/2024 2:18:04 PM
Chris Archuleta
A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE
MECHANICAL SCHEDULES

SCALE: N.T.S

SHEET NO
M4.0

Electrical Plan Review

☒ NO EXCEPTIONS TAKEN ☐ REJECTED
☐ EXCEPTIONS AS NOTED ☐ REVISE & RESUBMIT

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any corrections or comments are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of their work with that of all the trades and the satisfactory performance of their work and all code requirements. All section shall conform with the National Electrical Code and the State of New Mexico Electrical Code.

Electrical Bureau 12/26/2023 9:38:04 AM
Jerome A. Gabaldon
plan review signature

CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT

NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

GENERAL NOTES

PLAN DRAWINGS AND SPECIFICATIONS ARE A REPRESENTATION OF THE INSTALLATION, ANY EQUIPMENT OR MATERIAL DETAILS NOT SPECIFIED IN THIS DRAWING THAT ARE REQUIRED TO MEET LOCAL, STATE AND NATIONAL CODES, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR TO COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES FOR SERVICE INSTALLATION, REQUIREMENTS, DESIGN AND EASEMENTS.

CONTRACTOR TO REFER TO EQUIPMENT MANUFACTURER SPECIFICATIONS FOR EXACT DIMENSIONS AND FOR PROVIDING AND INSTALLATION OF ALL DEVICES, RACEWAYS, WALL BOXES AND WIRING NOT SHOWN ON THIS DRAWINGS.
VERIFY ALL REQUIREMENTS BEFORE ANY ROUGH-IN.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING AS NEEDED. COORDINATE WITH UTILITIES PRIOR TO EXCAVATION BY CALLING 811.

CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER, CABLE AND TELEPHONE SERVICES. COORDINATE WITH POWER, CABLE AND TELEPHONE CO. FOR ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN FOR A COMPLETE AND OPERABLE SYSTEMS.

AT THE BEGINNING OF THE PROJECT, REQUEST POWER SERVICE SERVICE TO UTILITY COMPANY, COORDINATE COST AND INSTALLATION OF SERVICE WIRE WITH UTILITY COMPANY.

CONTRACTOR TO COORDINATE WITH OWNER, ENGINEER AND POWER CO. FOR EXACT LOCATION OF NEW SERVICE, PRIOR TO INSTALLATION.

ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODES AND ALL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN PERMITS AND PAY ALL FEES. PERFORM MODIFICATIONS TO MEET CODE AND ORDINANCE REQUIREMENT AT NO ADDITIONAL COST TO OWNER, ARCHITECT OR ENGINEER.

VERIFY AT JOB SITE THE EXACT LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, FENCES, ETC. TO LOCATE EQUIPMENT CONDUIT, PANEL AND DEVICES. IF DEVIATIONS FROM THE DRAWING ARE NECESSARY TO MEET STRUCTURAL CONDITIONS, MAKE DEVIATIONS WITHOUT ADDITIONAL COST TO OWNER, ARCHITECT, OR ENGINEER.

THE OWNER SHALL BE GUARANTEED BY THE CONTRACTOR IN WRITING THAT ANY DEFECTS ARISING IN THE WORK WITHIN ONE YEAR (OR AS AGREED BETWEEN OWNER AND CONTRACTOR) OF THE DATE OF ACCEPTANCE SHALL BE CORRECTED FREE OF CHARGE.

ALL SLEEVES, PENETRATIONS, ETC. SHALL BE SEALED SOLID NON-SHRINKING MATERIAL IMMEDIATELY UPON FILLING OF THE OPENING WITH PIPE OR CONDUIT.

GROUND ENTIRE ELECTRICAL SYSTEM IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

OUTDOORS:UNDERGROUND CONDUIT SHALL BE PVC CONDUIT SCHEDULE 40 SUN RATED, ABOVE GROUND CONDUITS SHALL BE GALVANIZED RIGID METAL. SERVICE CONDUIT AS REQUIRED BY UTILITY POWER COMPANY.

COORDINATE ALL WORK AND ELECTRICAL EQUIPMENT LOCATIONS WITH CIVIL, ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL TRADES.

CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY PROBLEM ARISING FROM INTERPRETATION ON THESE DOCUMENTS IMMEDIATELY AS IT IS DISCOVERED IN A REQUEST FOR INFORMATION (RFI) FORMAL DOCUMENTATION.

CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH CONNECTION TO UTILITY MAINS (OR AS AGREED IN CONTRACT WITH OWNER).

ARRANGE FOR SOURCES OF TEMPORARY CONSTRUCTION SERVICES AT NO COST TO OWNER. SUCH SERVICES SHALL BE NOMINALLY 120 / 240V, 1-PHASE, 3 WIRE FROM WHICH A COMPLETE SYSTEM OF TEMPORARY POWER AND LIGHTING SHALL BE PROVIDED FOR ALL CONSTRUCTIONS NEEDS.

CLEAN ALL THE CONSTRUCTION AREA TO BE FREE FROM DEBRIS, AND TO OWNER SATISFACTION.

REFER TO TYPICAL DETAILS FOR PROPOSED INSTALLATION DETAILS AND POSSIBLE ADDITIONAL MATERIAL AND EQUIPMENT. ANY DEVIATIONS SHALL BE DOCUMENTED IN AN RFI.

IN THE EVENT THAT CONTRACTOR DAMAGES ANY OF THE FACILITIES, EQUIPMENT, CONDUITS, WIRING, ETC, THE CONTRACTOR SHALL REPAIR SUCH ACCORDING TO APPLICABLE CODES WITHOUT ADDITIONAL COST TO OWNER.

AFTER WORK COMPLETION, CLEAN WORKING AREA, EQUIPMENT, ETC... TO OWNER'S AND ENGINEER'S SATISFACTION.

COORDINATE WITH GENERAL CONTRACTOR FOR ANY EXISTING ELEVATIONS GROUND CUTTING. CONTRACTOR TO RELOCATE CONDUITS AND/OR DUCT BANKS AS NEEDED TO MEET DEPTH AND CLEARANCE REQUIREMENTS BY NEC AND NESC.

GENERAL ELECTRICAL NOTES

- 480V AND BELOW, UNDERGROUND CONDUIT TO BE SCHEDULE 40, SUN RATED, AND EXTERIOR. BURIED MINIMUM 24" TO THE TOP OF THE CONDUIT. TRANSITIONS ABOVE GROUND SHALL BE GRM EXTERIOR INSULATED WITH 3M TAPE AT 50% OVERLAP.
- UNDERGROUND CONDUIT IN PARKING TRAFFIC AREAS TO BE ENCASED IN MIXED RED DIE CONCRETE AT 3000PSI.
- MINIMUM CLEARANCE BETWEEN CURRENT CARRYING CONDUCTOR CONDUITS AND WATER, SEWER, OR COMMUNICATIONS SHALL BE 12 INCHES, OR AS REQUIRED BY LOCAL AHJ.
- VERIFY ALL POWER UTILITY COMPANY REQUIREMENTS PRIOR TO ANY INSTALLATIONS.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED
- ALL ELECTRICAL EQUIPMENT EXPOSED TO WEATHER SHALL BE WEATHER PROOF.
- ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) ARTICLE 250.
- ALL ELECTRICAL CONDUCTORS SHALL BE COPPER RATED AT TEMPERATURE PER CODE DEPENDING ON GAUGE WIRE SIZE.
- FLEXIBLE CONDUITS TO BE LIQUID TIGHT FOR EXTERIOR .
- ALL CONDUIT FITTINGS TO MATCH PROPOSED CONDUIT AND TO BE RATED FOR EITHER OUTDOORS WET ENVIRONMENT OR INTERIOR.
- ADD DISCONNECT MEANS IN THE EVENT THAT THE ACTUAL EQUIPMENT DOES NOT PROVIDE DISCONNECT MEANS LOCALLY.
- VERIFY PHASE ROTATION ON ALL EQUIPMENT.
- ON WIRES 3/0 AND LARGER, TEST WIRE INSULATION ONCE INSTALLED, BEFORE TERMINATION.

GENERAL ELECTRICAL LEGEND SYMBOLS FOR ADMINISTRATION BUILDING

20A-120V DUPLEX RECEPTACLE (RECEPTACLES NEXT TO TV COORDINATE HEIGHT)	⌽
20A-120V QUADRUPLE RECEPTACLE	⊕
20A-120V RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER	⌽GFCI
20A-120V RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER WEATHER PROOF, WET AND CORROSIVE ENVIRONMENT AS NOTED.	⌽WP GFCI
20A-120V ISOLATED GROUND RECEPTACLE	◐
20A-120V ISOLATED GROUND QUADRUPLE RECEPTACLE	⊕
240V SINGLE RECEPTACLE	⌽
20A-120V DEDICATED DUPLEX RECEPTACLE	⌽D
20A-120V DEDICATED QUADRUPLE RECEPTACLE	⊕D
30A-120V DUPLEX RECEPTACLE FOR UPS(L6-30)	⌽30A
15A-120V RECEPTACLE (1-15R)	⌽
SWITCH	$
THREE WAY SWITCH	$3
FOUR WAY SWITCH	$4
DIMMER SWITCH AND OCCUPANCY SENSOR	$DO
OCCUPANCY SENSOR	$O
THREE CURRENT CARRYING CONDUCTORS AND ONE GROUND CONDUCTOR	⫲►
GARBAGE DISPOSAL RECEPTACLE	◓GD
DISH WASHER RECEPTACLE	◓DW
VOICE TELEPHONE OUTLET *	◀n
DATA OUTLET CAT 6 TO 8 *	◁n
TELEPHONE & DATA OUTLET CAT 6 TO 8 *	◀n
TELEVISION OUTLET *	TV
USB CHARGER DEVISE	⊖
FLOOR RECEPTACLE TELEPHONE & DATA COMBINATION	⌽▲
FLOOR BOX IN THE DAIS	Ⓐ
FLOOR BOX IN THE LITIGATION AREA	Ⓑ
SYSTEMS FURNITURE WHIP - CIRCUITS BASEFEED	WHIP

DISCONNECT	☐
PANEL	◩
PHOTOCELL	PC
JUNCTION BOX	Ⓙ
LIGHTING CONTACTOR	LC
TIMER & DIMMER	T&D
TIMER	Ⓣ
SPEAKER: RUN CABLE FROM IT TO SPEAKER LOCATION	Ⓢ
MICROPHONE: RUN CABLE FROM IT TO MICROPHONE LOCATION	Ⓜ
WIRELESS ACCESS POINT: RUN CABLE FROM IT TO LOCATION	WAP
ANTENNA: RUN CABLE FROM IT TO LOCATION	ANT
CONDUIT EXPOSED	———
CONDUIT UNDERGROUND	-------
FIRE ALARM AUDIBLE/VISUAL SIGNAL	F◀
FIRE ALARM AUDIBLE SIGNAL	F◀
FIRE ALARM VISUAL SIGNAL	F◁
FIRE ALARM AUDIBLE/VISUAL SIGNAL 360	F
FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED	S
HEAT DETECTOR CEILING	H
FIRE ALARM CONTROL PANEL	FACP
FIRE ALARM ANNUNCIATOR PANEL	FAAP
FIRE ALARM PULL STATION	F

* COMMERCIAL: 4-INCH SQUARE J-BOX SINGLE GANG MUDRING ADAPTER AND WITH 1-INCH CONDUIT AND 200 LB. NYLON PULL CORDS
n: IS THE NUMBER OF OUTLETS, NO NUMBER FOR 1 OUTLET.

* RESIDENTIAL: COMPLETELY TERMINATED READY FOR USER.

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
Edgar E. Deanda P.E.
6/30/2023

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TUCUMCARI, NM

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NO	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES

SCALE: N.T.S.

SHEET NO
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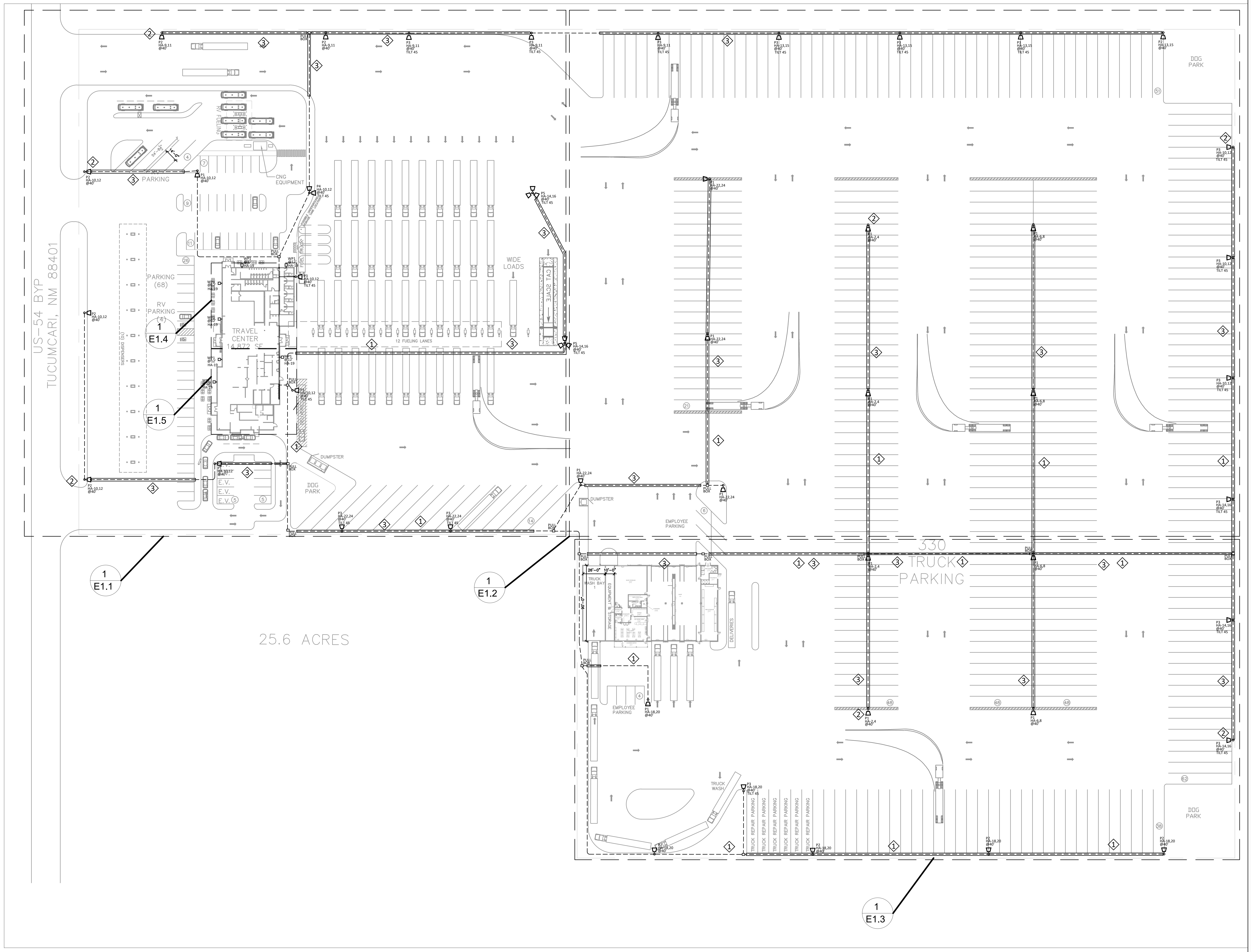
GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
B. CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UN-SWITCHED HOT LEGS OF THE LOCAL LIGHTING CIRCUIT.
C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. COORDINATE INSTALLATION OF CONDUIT WITH OTHER TRADES PRIOR TO ROUGH-IN.
E. PROVIDE LUMINAIRES, AND ACCESSORIES FOR ALL LIGHTING SYSTEMS, COMPLETE AND OPERABLE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
F. EXTERIOR LIGHTS, OTHER THAN EMERGENCY LIGHTS, BUILDING FACADE OR LANDSCAPE, TO BE DIMMED AT 30% BETWEEN MIDNIGHT AND 6:00AM. USE OF LIGHT FIXTURE INTEGRATED CONTROLS AND PHOTOCELL, OR USE OF LIGHTING CONTRACTOR WITH PHOTOCELL, DIMMER AND TIMER. EXCEPTION: LIGHTING FOR COVERED VEHICLE ENTRANCES OR EXITS FROM BUILDINGS OR PARKING STRUCTURE WHERE REQUIRED FOR SAFETY, SECURITY OR EYE ADAPTATION.
G. AIM AND VERIFY ALL OUTDOOR LUMINAIRES ALIGNMENT, DURING DARK EVENING HOURS.
H. OCCUPANCY/VACANCY SENSOR AND/OR SWITCHES TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL.
I. INSTALL BOLLARDS FOR POLE LIGHTS IN THE PARKING AREAS OR IN AREAS SUBJECT TO DAMAGE.

KEYED NOTES

1. LIGHTS AND/OR SIGN CONDUIT TO BE BURIED AT 24" ON A 1" CONDUIT. ADD A SPARE CONDUIT FOR PARKING LIGHTS.
2. EXTERIOR LIGHTS TO BE MOUNTED WITH PROPER MOUNTING FIXTURES ADEQUATE TO ACTUAL EXTERIOR WALL FINISH. LAMPS TO BE CONTROLLED BY THE INTEGRATED CONTROL TO TURN ON WITH PHOTOCELL AND DIM DOWN AT MIDNIGHT.
3. USE OF 3000PSI CONCRETE ENCASING WITH RED DYE ON DRIVE WAYS OR TRAFFIC AREAS AS INDICATED ON DRAWING. HEAVY TRAFFIC (TRUCKS) USE 4000 PSI OR BETTER.



1 **LIGHTING SITE PLAN I**
1/64" = 1'-0"

CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT

NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
EDeanda P.E.
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SHEET TITLE
LIGHTING SITE PLAN I

SCALE: 1/64"=1'

SHEET NO
E1.0

GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
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C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
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G. AIM AND VERIFY ALL OUTDOOR LUMINAIRES ALIGNMENT, DURING DARK EVENING HOURS.
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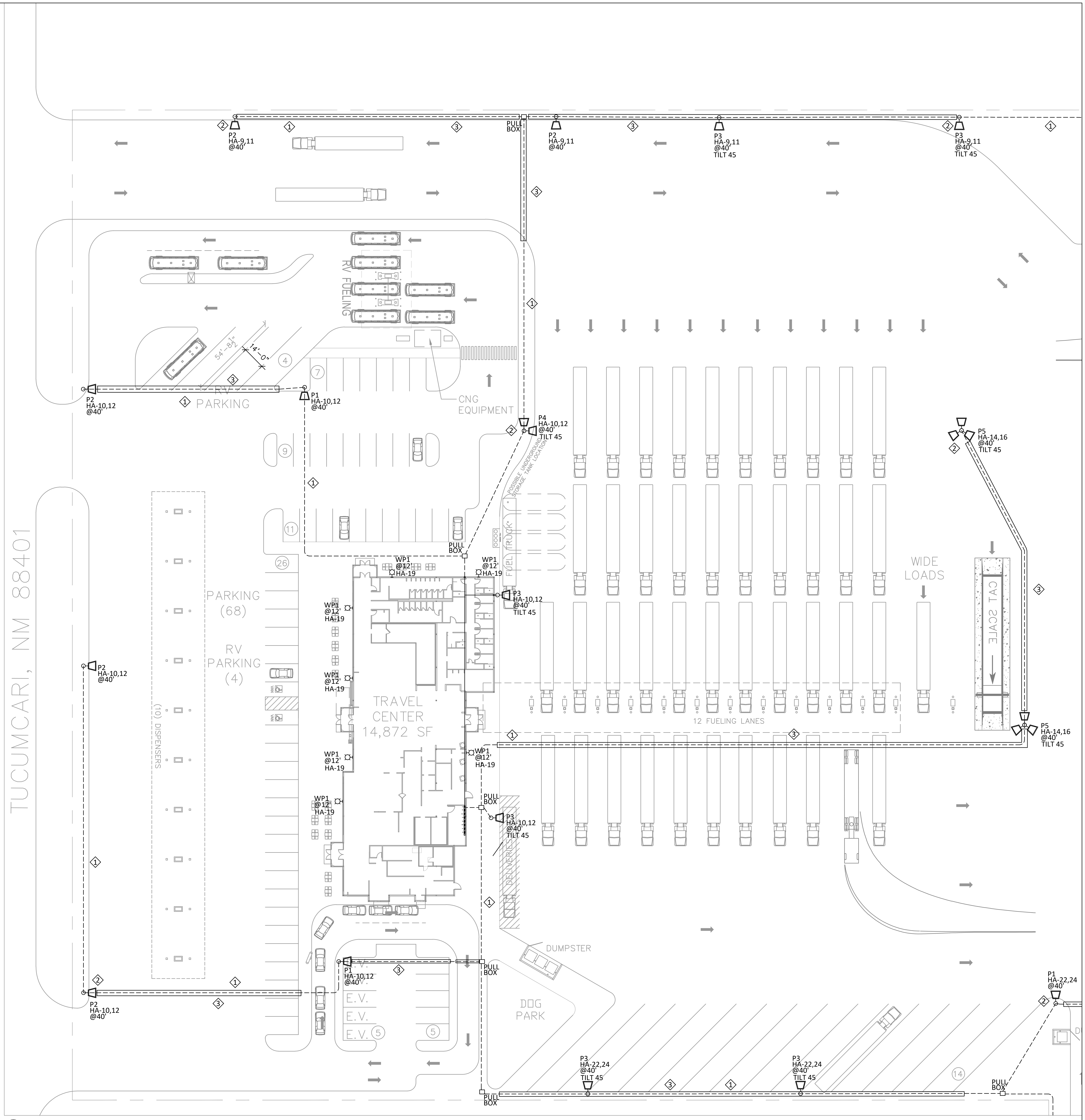

1 **LIGHTING SITE PLAN II**
1/32" = 1'-0"

CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT

NOTE
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INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
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(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
Deanda P.E.
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SHEET TITLE
LIGHTING SITE PLAN II

SCALE: 1/32"=1'

SHEET NO
E1.1

GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
B. CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UN-SWITCHED HOT LEGS OF THE LOCAL LIGHTING CIRCUIT.
C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. COORDINATE INSTALLATION OF CONDUIT WITH OTHER TRADES PRIOR TO ROUGH-IN.
E. PROVIDE LUMINAIRES, AND ACCESSORIES FOR ALL LIGHTING SYSTEMS, COMPLETE AND OPERABLE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
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G. AIM AND VERIFY ALL OUTDOOR LUMINAIRES ALIGNMENT, DURING DARK EVENING HOURS.
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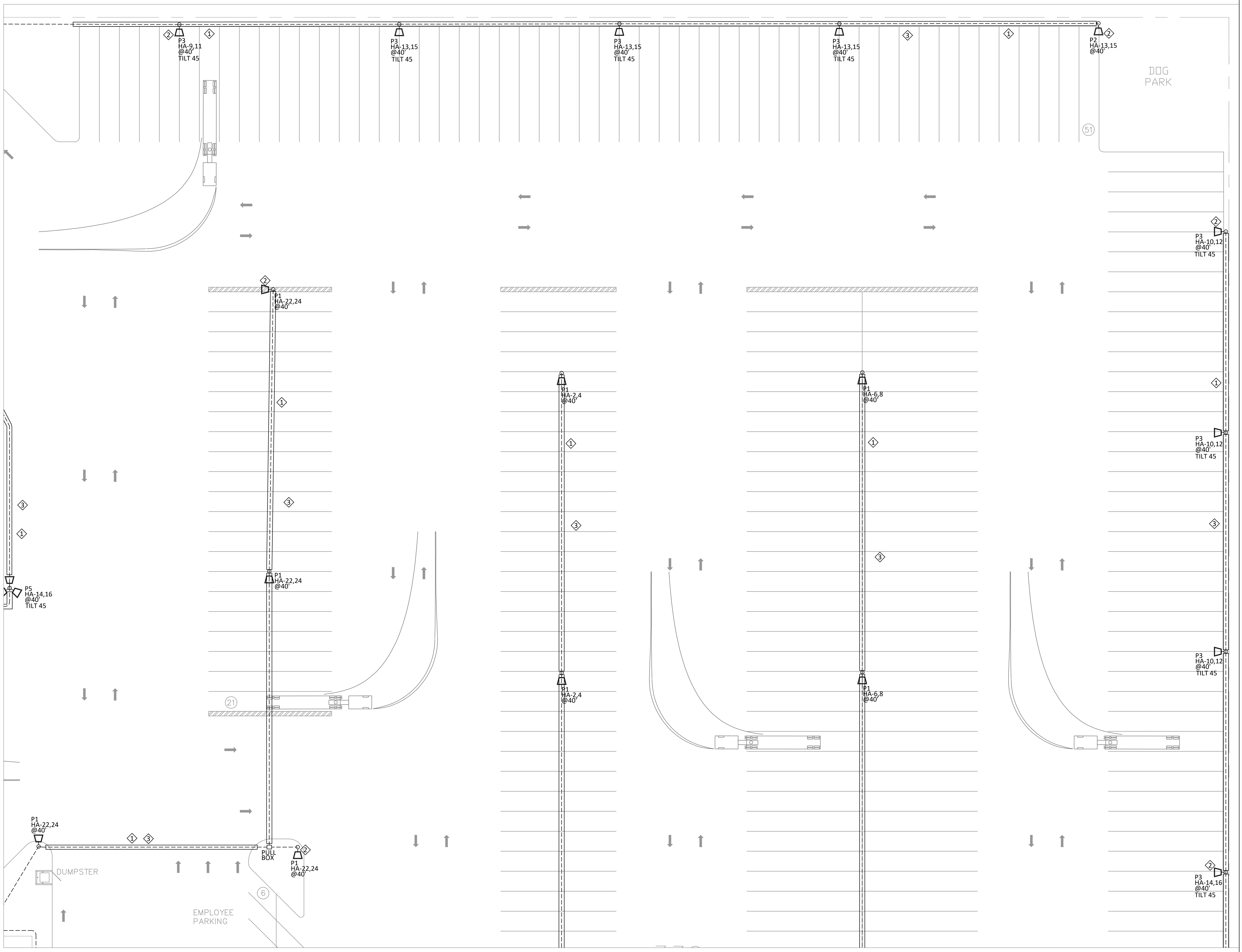

① **LIGHTING SITE PLAN III**
1/32" = 1'-0"

CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT

NOTE
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T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
Deanda P.E.
6/30/2023

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SHEET TITLE
LIGHTING SITE PLAN III

SCALE: 1/32"=1'

SHEET NO
E1.2

GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
B. CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UN-SWITCHED HOT LEGS OF THE LOCAL LIGHTING CIRCUIT.
C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. COORDINATE INSTALLATION OF CONDUIT WITH OTHER TRADES PRIOR TO ROUGH-IN.
E. PROVIDE LUMINAIRES, AND ACCESSORIES FOR ALL LIGHTING SYSTEMS, COMPLETE AND OPERABLE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
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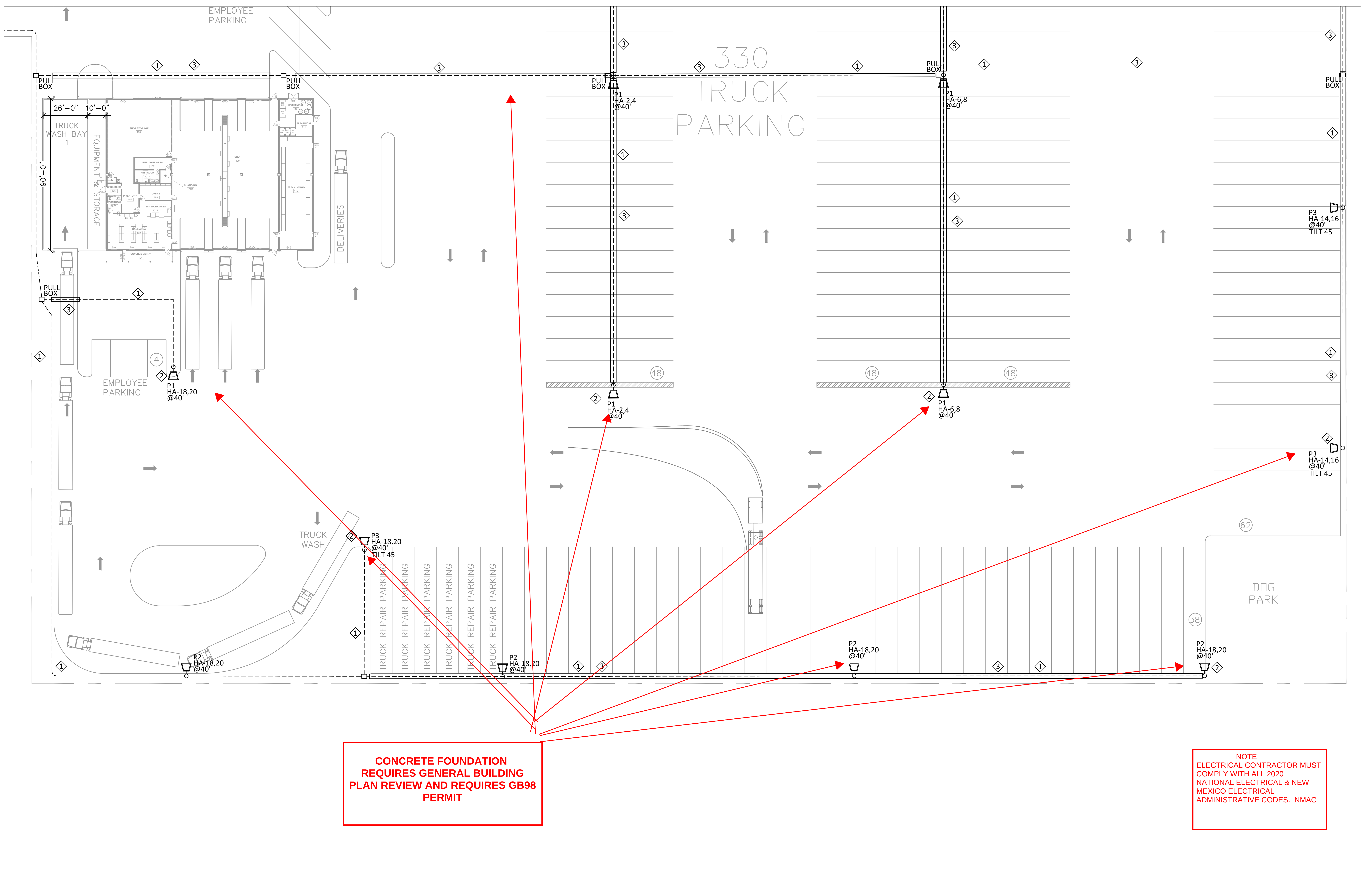
G. AIM AND VERIFY ALL OUTDOOR LUMINAIRES ALIGNMENT, DURING DARK EVENING HOURS.
H. OCCUPANCY/VACANCY SENSOR AND/OR SWITCHES TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL..
I. INSTALL BOLLARDS FOR POLE LIGHTS IN THE PARKING AREAS OR IN AREAS SUBJECT TO DAMAGE.

KEYED NOTES

1. LIGHTS AND/OR SIGN CONDUIT TO BE BURIED AT 24" ON A 1" CONDUIT. ADD A SPARE CONDUIT FOR PARKING LIGHTS.
2. EXTERIOR LIGHTS TO BE MOUNTED WITH PROPER MOUNTING FIXTURES ADEQUATE TO ACTUAL EXTERIOR WALL FINISH. LAMPS TO BE CONTROLLED BY THE INTEGRATED CONTROL TO TURN ON WITH PHOTOCELL AND DIM DOWN AT MIDNIGHT.
3. USE OF 3000PSI CONCRETE ENCASING WITH RED DYE ON DRIVE WAYS OR TRAFFIC AREAS AS INDICATED ON DRAWING. HEAVY TRAFFIC (TRUCKS) USE 4000 PSI OR BETTER.



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1 LIGHTING SITE PLAN IV
1/32" = 1'-0"

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER

E. Deanda, P.E.
6/30/2023

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SHEET TITLE
LIGHTING SITE PLAN IV

SCALE: 1/32"=1'

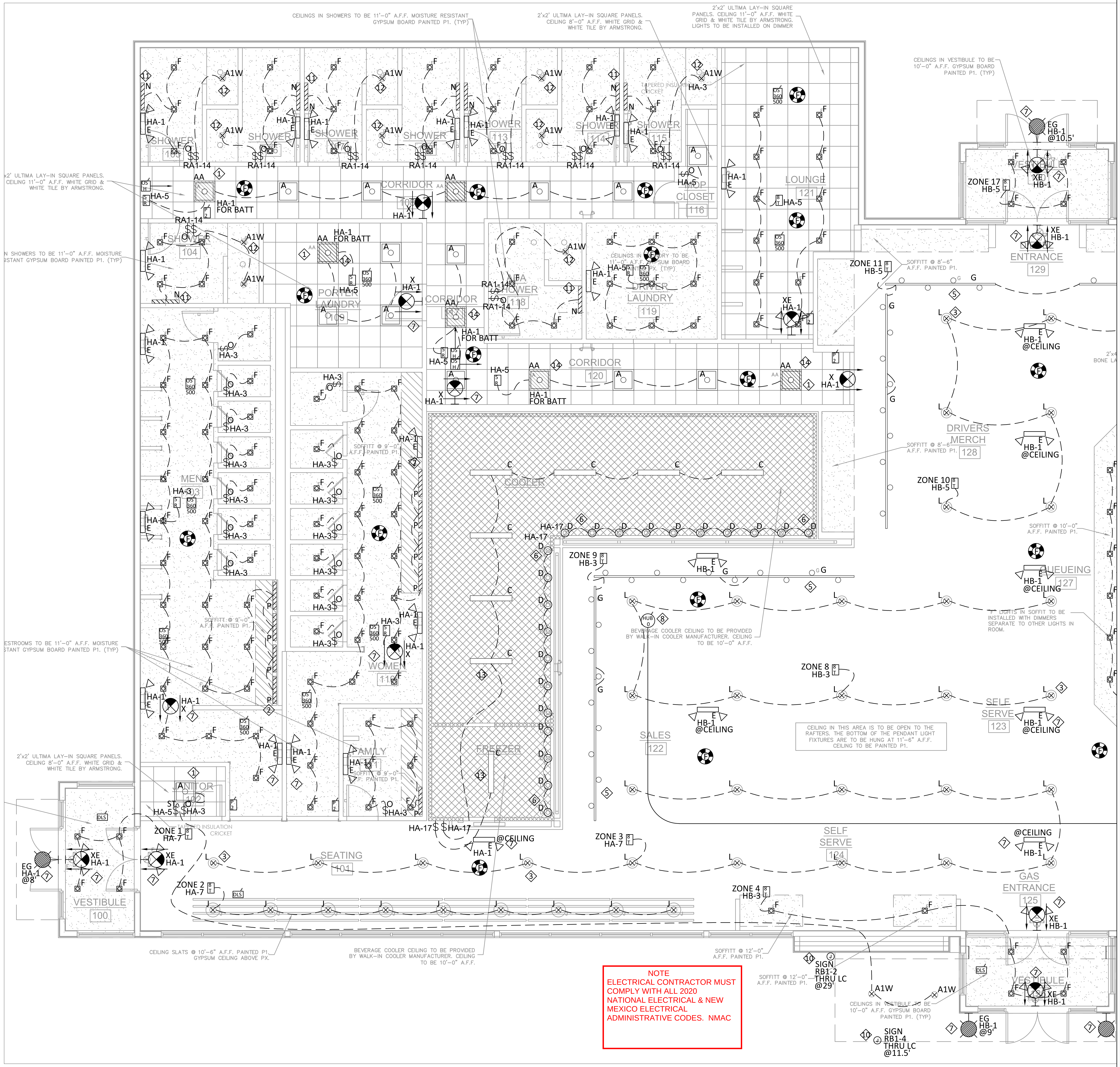
SHEET NO
E1.3

GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
B. CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UN-SWITCHED HOT LEGS OF THE LOCAL LIGHTING CIRCUIT.
C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. COORDINATE INSTALLATION OF CONDUIT WITH OTHER TRADES PRIOR TO ROUGH-IN.
E. PROVIDE LUMINAIRES, AND ACCESSORIES FOR ALL LIGHTING SYSTEMS, COMPLETE AND OPERABLE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
F. OCCUPANCY/VACANCY SENSOR AND/OR SWITCHES TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL.
G. DIMMER/OCCUPANCY/VACANCY SENSORS TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL. POWER SUPPLY MODULES TO BE INSTALLED ABOVE CEILING. AIM OCCUPANCY SENSORS ACCORDING TO ACTUAL INSTALLATION CONDITIONS. COORDINATE WITH SUPPLIER INSTALLATION MANUAL FOR PROGRAMMING AND ANY REQUIRED ADDITIONAL EQUIPMENT, APPLICATIONS, INSTRUMENTATION, ETC...
H. OCCUPANT SENSOR CONTROL FUNCTION IN OPEN PLAN OFFICE AREAS: OCCUPANT SENSOR CONTROLS IN OPEN OFFICE SPACES >= 300 SQ.FT. HAVE CONTROLS 1)CONFIGURED SO THAT GENERAL LIGHTING CAN BE CONTROLLED SEPARATELY IN CONTROL ZONES WITH FLOOR AREAS <= 600 SQ.FT. WITHIN THE SPACE, 2)AUTOMATICALLY TURN OFF GENERAL LIGHTING IN ALL CONTROL ZONES WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE, 3) ARE CONFIGURED SO THAT GENERAL LIGHTING POWER IN EACH CONTROL ZONE IS REDUCED BY >= 80% OF THE FULL ZONE GENERAL LIGHTING POWER WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THAT CONTROL ZONE, AND 4) ARE CONFIGURED SUCH THAT ANY DAYLIGHT RESPONSIVE CONTROL WILL ACTIVATE SPACE GENERAL LIGHTING OR CONTROL ZONE GENERAL LIGHTING ONLY WHEN OCCUPANCY FOR THE SAME AREA IS DETECTED.
I. LIGHT MODELS, FINISHES, COLORS, AND ELEVATION INSTALLATION TO BE COORDINATED WITH ARCHITECT AND OWNER BEFORE PROCUREMENT OR INSTALLATION.
J. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.

KEYED NOTES

1. PANEL LIGHTS AND DOWN LIGHTS TO BE MOUNTED AT CEILING HEIGHTS.
2. LINEAR RECESSED LIGHTS FOR RESTROOMS INSTALLATION, REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
3. SUSPENDED LIGHTS TYPE "L" TO BE MOUNTED AT 11.5' AFF.
4. SUSPENDED LIGHTS TYPE "K" TO BE MOUNTED AT 8'AFF.
5. TRACK LIGHTS TO BE MOUNTED ACCORDING TO ARCHITECT DRAWINGS ELEVATION.
6. TYPE "D" TO BE MOUNTED IN COORDINATION WITH DOOR INSTALLATION INSTRUCTIONS, AND ARCHITECT DRAWINGS.
7. EXIT, EGRESS, AND EMERGENCY LIGHTS TO BE MOUNTED AT 8 FT, OR CEILING MOUNTED (FOR EXIT LIGHTS). THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS OCCUPIED. EXIT, EMERGENCY AND EGRESS LIGHT FIXTURE BATTERY PACK TO BE CONNECTED IN AN UN-SWITCHED CIRCUIT.
8. LIGHTS TO BE CONTROLLED BY ZONES USING THE HUB THAT CAN BE ACCESSED IN A TABLET OR LAPTOP. CONTRACTOR TO PROGRAM LIGHTS ACCORDING TO OWNER OPERATING HOURS. NOTE THAT LIGHTS NEAR WINDOWS TO HAVE LIGHT DETECTOR, TO DIM-DOWN INTENSITY BASED ON NATURAL LIGHT PENETRATING INSIDE THE BUILDING.
9. PROGRAMMABLE TIMER SWITCHES "ST" TO BE PROGRAMMED BY CONTRACTOR ACCORDING TO BUSINESS OPERATING HOURS.
10. SIGN TO BE CONTROLLED BY LIGHTING CONTACTOR (LC) WITH A TIMER, AND TO BE PROGRAMMED ACCORDING TO OWNER OPERATING HOURS. FIELD COORDINATE WITH OWNER ACTUAL SIGN LOCATION BEFORE ROUGH IN.
11. VANITY LIGHTS TYPE "N" TO BE MOUNTED AS INDICATED IN ARCHITECT DRAWINGS.
12. DOWNLIGHTS INSIDE THE ACTUAL SHOWER OR EXTERIOR, TO BE WET RATED.
13. WALK IN FREEZERS AND COOLERS LIGHTS TO BE COORDINATED WITH COOLER SUPPLIER, SINCE A DIFFERENT LAMP COULD BE USED. THESE LAMPS HAVE TO BE WET RATED.
14. LAMPS WITH SUFFIX "E" AND A HATCH, ARE INTENDED TO HAVE BATTERY BACK UP FOR EMERGENCY AND EGRESS PURPOSES. NOTE 7 APPLIES TO THIS LAMPS, WHERE THEY HAVE TO BE CONNECTED TO AN UN-SWITCHED CIRCUIT.


CEILINGS IN SHOWERS TO BE 11'-0" A.F.F. MOISTURE RESISTANT GYPSUM BOARD PAINTED P1. (TYP)
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 8'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG.
2'x2' ULTIMA LAY-IN SQUARE PANELS. CEILING 11'-0" A.F.F. WHITE GRID & WHITE TILE BY ARMSTRONG. LIGHTS TO BE INSTALLED ON DIMMER
CEILINGS IN VESTIBULE TO BE 10'-0" A.F.F. GYPSUM BOARD PAINTED P1. (TYP)
SHOWER
CORRIDOR
LOUNGE
121
JANITOR CLOSET
116
PORTER LAUNDRY
LAUNDRY
119
CORRIDOR
120
ENTRANCE
129
DRIVERS MERCH
128
QUEUEING
127
MENS
WOMENS
FAMILY
COOLER
FREEZER
SALES
122
SELF SERVE
123
SELF SERVE
124
SEATING
101
VESTIBULE
100
GAS ENTRANCE
125
VESTIBULE
ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 8
ZONE 9
ZONE 10
ZONE 11
ZONE 17
HA-1
HA-3
HA-5
HA-7
HA-17
HB-1
HB-3
HB-5
RA1-14
A1W
FOR BATT
@CEILING
SIGN RB1-2 THRU LC @29'
SIGN RB1-4 THRU LC @11.5'
CEILING IN THIS AREA IS TO BE OPEN TO THE RAFTERS. THE BOTTOM OF THE PENDANT LIGHT FIXTURES ARE TO BE HUNG AT 11'-6" A.F.F. CEILING TO BE PAINTED P1.
BEVERAGE COOLER CEILING TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER. CEILING TO BE 10'-0" A.F.F.
CEILING SLATS @ 10'-6" A.F.F. PAINTED P1. GYPSUM CEILING ABOVE P.X.
SOFFITT @ 12'-0" A.F.F. PAINTED P1.
LIGHTS IN SOFFIT TO BE INSTALLED WITH DIMMERS SEPARATE TO OTHER LIGHTS IN ROOM.

NOTE
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① **LIGHTING PLAN - STORE I**
3/16" = 1'-0"

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E. Deanda P.E.
6/30/2023

TUCUMCARI - TC
TUCUMCARI, NM

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CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

NO	DATE	REVISIONS DESCRIPTION

SHEET TITLE
LIGHTING PLAN I

SCALE: 3/16"=1'

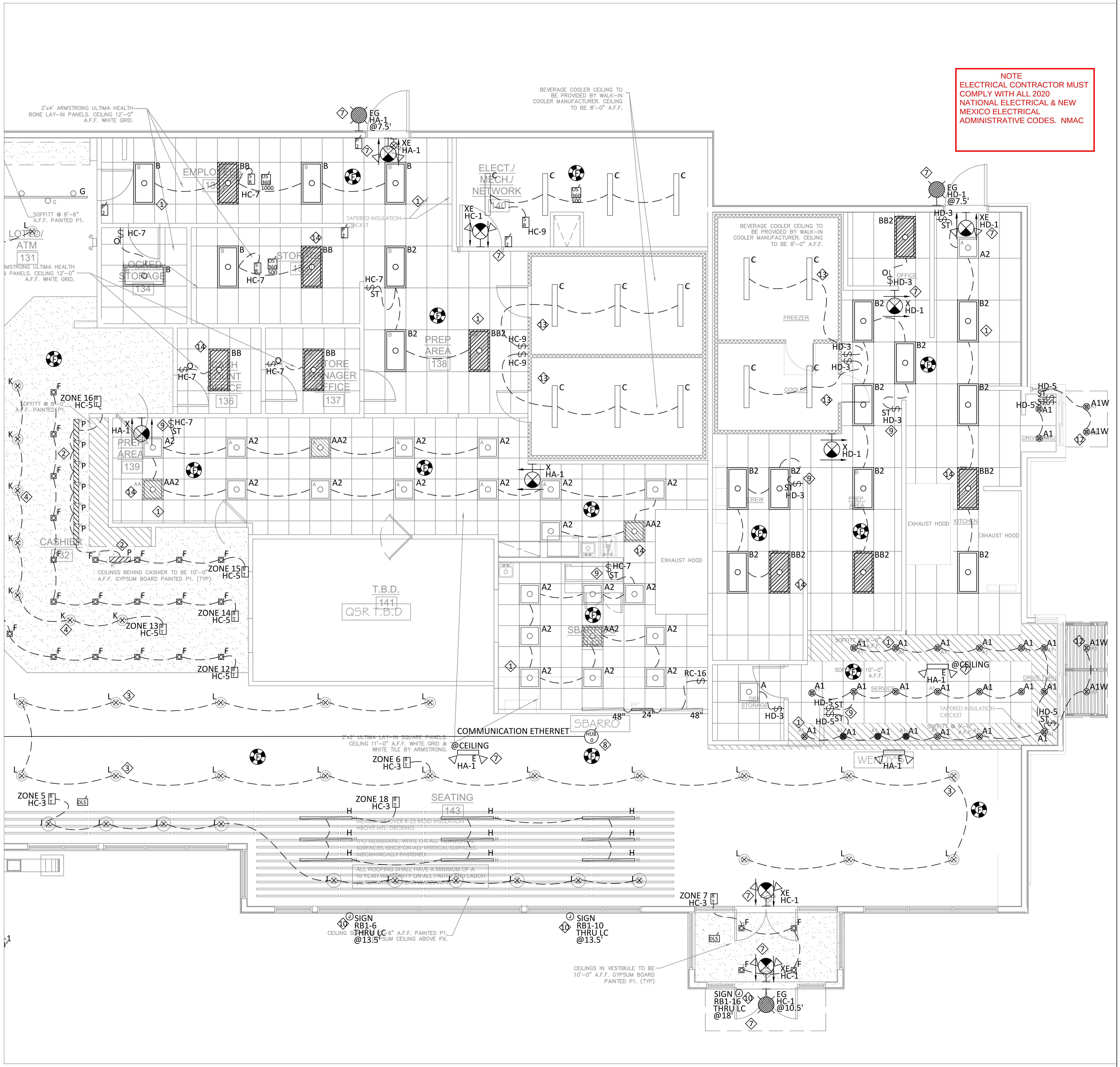
SHEET NO
E1.4

GENERAL NOTES

A. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED.
B. CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UN-SWITCHED HOT LEGS OF THE LOCAL LIGHTING CIRCUIT.
C. COORDINATE PLACEMENT OF LIGHT FIXTURE WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. COORDINATE INSTALLATION OF CONDUIT WITH OTHER TRADES PRIOR TO ROUGH-IN.
E. PROVIDE LUMINAIRES, AND ACCESSORIES FOR ALL LIGHTING SYSTEMS, COMPLETE AND OPERABLE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
F. OCCUPANCY/VACANCY SENSOR AND/OR SWITCHES TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL.
G. DIMMER/OCCUPANCY/VACANCY SENSORS TO BE AS INDICATED IN SWITCH TYPE SCHEDULE OR APPROVED EQUAL. POWER SUPPLY MODULES TO BE INSTALLED ABOVE CEILING. AIM OCCUPANCY SENSORS ACCORDING TO ACTUAL INSTALLATION CONDITIONS. COORDINATE WITH SUPPLIER INSTALLATION MANUAL FOR PROGRAMMING AND ANY REQUIRED ADDITIONAL EQUIPMENT, APPLICATIONS, INSTRUMENTATION, ETC...
H. OCCUPANT SENSOR CONTROL FUNCTION IN OPEN PLAN OFFICE AREAS: OCCUPANT SENSOR CONTROLS IN OPEN OFFICE SPACES >= 300 SQ.FT. HAVE CONTROLS 1)CONFIGURED SO THAT GENERAL LIGHTING CAN BE CONTROLLED SEPARATELY IN CONTROL ZONES WITH FLOOR AREAS <= 600 SQ.FT. WITHIN THE SPACE, 2)AUTOMATICALLY TURN OFF GENERAL LIGHTING IN ALL CONTROL ZONES WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE, 3) ARE CONFIGURED SO THAT GENERAL LIGHTING POWER IN EACH CONTROL ZONE IS REDUCED BY >= 80% OF THE FULL ZONE GENERAL LIGHTING POWER WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THAT CONTROL ZONE, AND 4) ARE CONFIGURED SUCH THAT ANY DAYLIGHT RESPONSIVE CONTROL WILL ACTIVATE SPACE GENERAL LIGHTING OR CONTROL ZONE GENERAL LIGHTING ONLY WHEN OCCUPANCY FOR THE SAME AREA IS DETECTED.
I. LIGHT MODELS, FINISHES, COLORS, AND ELEVATION INSTALLATION TO BE COORDINATED WITH ARCHITECT AND OWNER BEFORE PROCUREMENT OR INSTALLATION.
J. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.

KEYED NOTES

1. PANEL LIGHTS AND DOWN LIGHTS TO BE MOUNTED AT CEILING HEIGHTS.
2. LINEAR RECESSED LIGHTS INSTALLATION, REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
3. SUSPENDED LIGHTS TYPE "L" TO BE MOUNTED AT 11.5' AFF.
4. SUSPENDED LIGHTS TYPE "K" TO BE MOUNTED AT 8'AFF.
5. TRACK LIGHTS TO BE MOUNTED ACCORDING TO ARCHITECT DRAWINGS ELEVATION.
6. TYPE "D" TO BE MOUNTED IN COORDINATION WITH DOOR INSTALLATION INSTRUCTIONS, AND ARCHITECT DRAWINGS.
7. EXIT, EGRESS, AND EMERGENCY LIGHTS TO BE MOUNTED AT 8 FT, OR CEILING MOUNTED (FOR EXIT LIGHTS). THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS OCCUPIED. EXIT, EMERGENCY AND EGRESS LIGHT FIXTURE BATTERY PACK TO BE CONNECTED IN AN UN-SWITCHED CIRCUIT.
8. LIGHTS TO BE CONTROLLED BY ZONES USING THE HUB THAT CAN BE ACCESSED IN A TABLET OR LAPTOP. CONTRACTOR TO PROGRAM LIGHTS ACCORDING TO OWNER OPERATING HOURS. NOTE THAT LIGHTS NEAR WINDOWS TO HAVE LIGHT DETECTOR, TO DIM-DOWN INTENSITY BASED ON NATURAL LIGHT PENETRATING INSIDE THE BUILDING.
9. PROGRAMMABLE TIMER SWITCHES "ST" TO BE PROGRAMMED BY CONTRACTOR ACCORDING TO BUSINESS OPERATING HOURS.
10. SIGN TO BE CONTROLLED BY LIGHTING CONTACTOR (LC) WITH A TIMER, AND TO BE PROGRAMMED ACCORDING TO OWNER OPERATING HOURS. FIELD COORDINATE WITH OWNER ACTUAL SIGN LOCATION BEFORE ROUGH IN.
11. VANITY LIGHTS TYPE "N" TO BE MOUNTED AS INDICATED IN ARCHITECT DRAWINGS.
12. DOWNLIGHTS INSIDE THE ACTUAL SHOWER OR EXTERIOR, TO BE WET RATED.
13. WALK IN FREEZERS AND COOLERS LIGHTS TO BE COORDINATED WITH COOLER SUPPLIER, SINCE A DIFFERENT LAMP COULD BE USED. THESE LAMPS HAVE TO BE WET RATED.
14. LAMPS WITH SUFFIX "E" AND A HATCH, ARE INTENDED TO HAVE BATTERY BACK UP FOR EMERGENCY AND EGRESS PURPOSES. NOTE 7 APPLIES TO THIS LAMPS, WHERE THEY HAVE TO BE CONNECTED TO AN UN-SWITCHED CIRCUIT.



NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

1 LIGHTING PLAN - STORE II
3/16" = 1'-0"

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759

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SHEET TITLE
LIGHTING PLAN II

SCALE: 3/16"=1'

SHEET NO
E1.5

GENERAL NOTES

A. PROPOSED EQUIPMENT LOAD MIGHT NOT BE ACTUAL EQUIPMENT SELECTED. COORDINATE DIMENSIONS, ELEVATIONS, AND IN ANY CASE OF DISCREPANCIES ASK QUESTIONS TO ENGINEER, ARCHITECT, OR OWNER BEFORE ROUGH IN.
B. BALANCE LOADS ON ALL THREE PHASES AS MUCH AS POSSIBLE.
C. RELOCATE CIRCUIT LOADS IN PANEL TO BETTER ARRANGE CONDUITS FOR INSTALLATION.
D. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.
E. ALL RESTAURANT AND STORE EQUIPMENT TERMINATION AND LOAD TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED AND THE INSTALLATION INSTRUCTIONS. ANY MODIFICATIONS TO BE COORDINATED WITH ARCHITECT, ENGINEER, AND OWNER.
F. COORDINATE RECEPTACLES AND JUNCTION BOXES WITH ACTUAL FURNITURE ELEVATIONS.

NOTE
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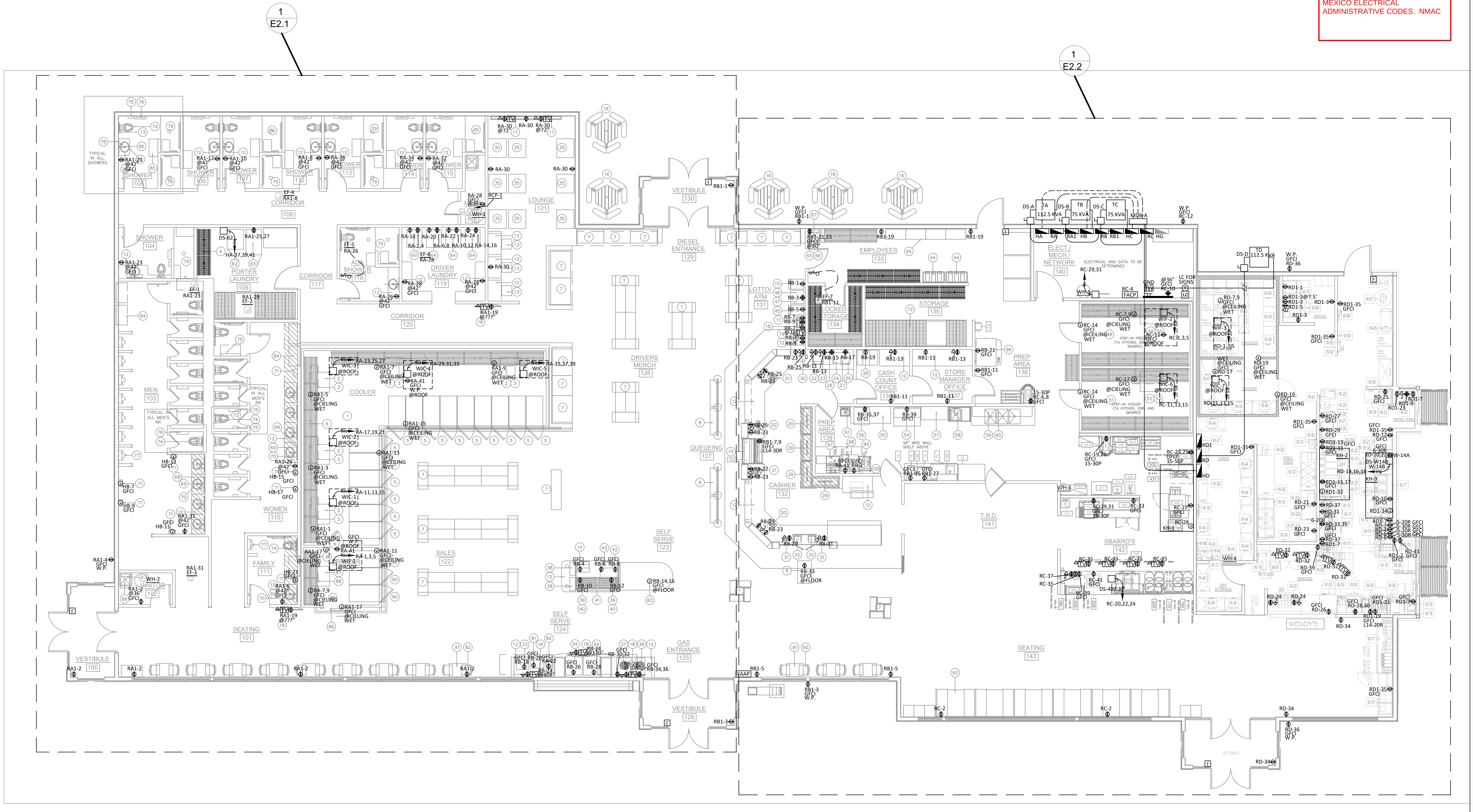

1 **ELECTRICAL PLAN - STORE I**
1/8" = 1'-0"

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EDGAR E. DEANDA
NEW MEXICO
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PROFESSIONAL ENGINEER
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SHEET TITLE
ELECTRICAL PLAN I

SCALE:1/8"=1'

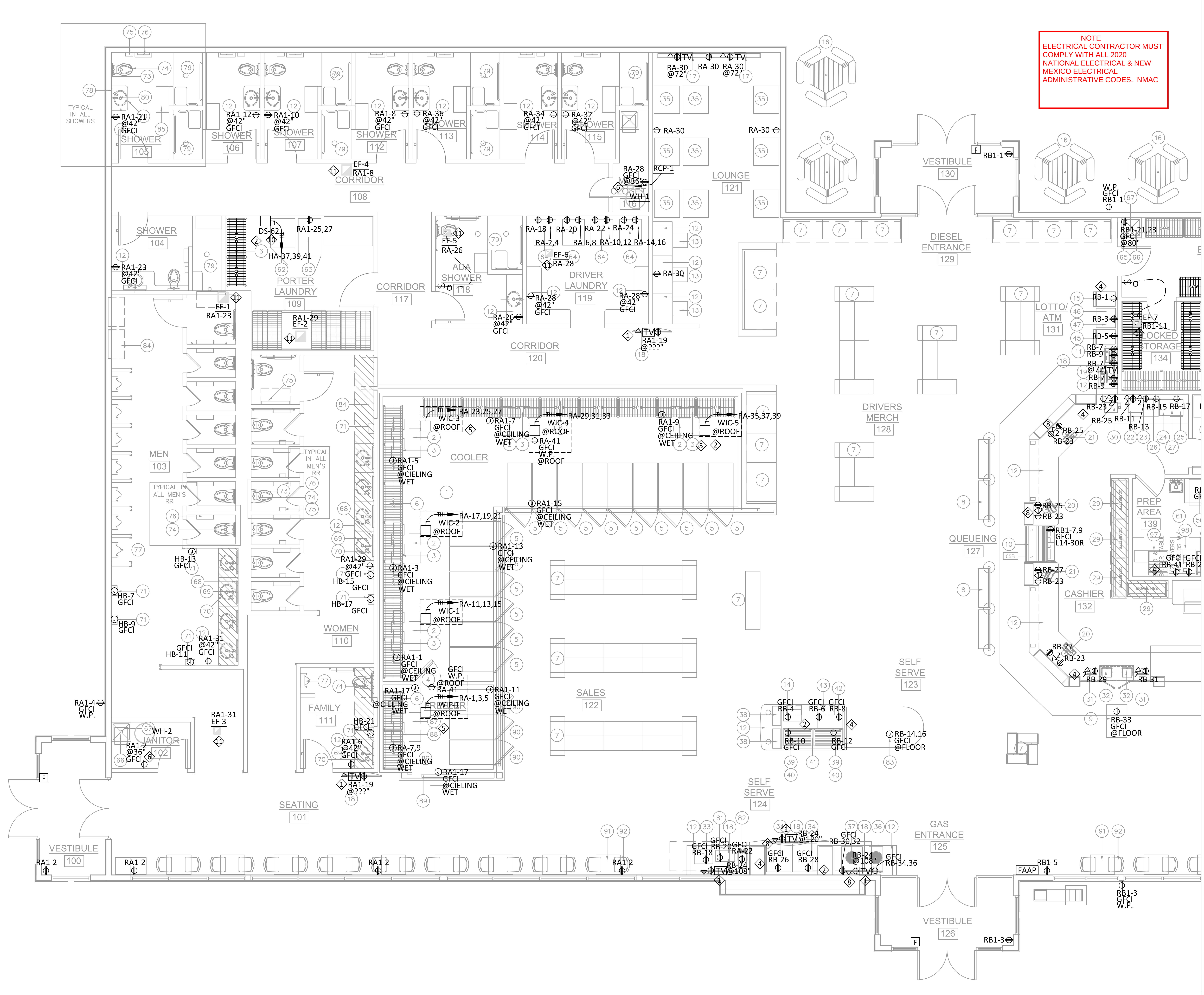
SHEET NO
E2.0

GENERAL NOTES

A. PROPOSED EQUIPMENT LOAD MIGHT NOT BE ACTUAL EQUIPMENT SELECTED. COORDINATE DIMENSIONS, ELEVATIONS, AND IN ANY CASE OF DISCREPANCIES ASK QUESTIONS TO ENGINEER, ARCHITECT, OR OWNER BEFORE ROUGH IN.
B. BALANCE LOADS ON ALL THREE PHASES AS MUCH AS POSSIBLE.
C. RELOCATE CIRCUIT LOADS IN PANEL TO BETTER ARRANGE CONDUITS FOR INSTALLATION.
D. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.
E. ALL RESTAURANT AND STORE EQUIPMENT TERMINATION AND LOAD TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED AND THE INSTALLATION INSTRUCTIONS. ANY MODIFICATIONS TO BE COORDINATED WITH ARCHITECT, ENGINEER, AND OWNER.
F. COORDINATE RECEPTACLES AND JUNCTION BOXES WITH ACTUAL FURNITURE ELEVATIONS. EQUIPMENT TERMINATION MIGHT VARY, CONTRACTOR TO VERIFY EQUIPMENT CONNECTION BEFORE ELECTRICAL TERMINATIONS ARE DONE.

KEYED NOTES

1. VERIFY DESIRED HEIGHT OF FLAT SCREEN TV, AND QUANTITY AS WELL. THIS HAS TO BE COORDINATED BEFORE ROUGH IN.
2. ELECTRICAL WIRES AND CONDUITS TO BE INSTALLED BASED ON WIRING SCHEDULE RATINGS ACCORDING TO CIRCUIT BREAKER.
3. ELECTRICAL PANELS TO BE LOCATED IN THE ELECTRICAL RM, COORDINATE EXACT LOCATION IN THE FIELD.
4. RECEPTACLES ABOVE COUNTER TOP OR NEAR SINKS TO BE INSTALLED PER DETAILS, OR TO BE MOUNTED 6 INCHES ABOVE COUNTER TOP OR SINKS. VERIFY WITH ACTUAL FURNITURE.
5. FREEZER EQUIPMENT DISCONNECT ACTUAL LOCATION TO BE COORDINATED IN THE FIELD.
6. WATER HEATER RECEPTACLE ACTUAL LOCATION TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION. SINCE WH ARE INTENDED TO BE CONNECTED TO GAS, THEY ONLY NEED A SMALL RECEPTACLE. RECEPTACLE FOR RECIRCULATING PUMP (RCP) AS NEEDED.
7. COORDINATE COMMUNICATIONS SERVICE AND MAIN DISTRIBUTION FRAME (MDF) RACK, USE OF 3/4" PLYWOOD FOR COMMUNICATIONS SERVICE FIRE RATED, AND PAINTED WITH FIRE RATED PAINT. OR AS REQUIRED BY UTILITY PROVIDER. COORDINATE WITH ENGINEER, ARCHITECT OR OWNER FOR ACTUAL ACCESSIBLE LOCATION.
8. ALL DATA AND PHONE WIRES TO BE INSTALLED FROM SERVER (IT) RM TO THE DATA AND PHONE RECEPTACLES INDICATED IN PLANS. COORDINATE WITH OWNER, ARCHITECT AND ENGINEER FOR ANY QUESTIONS BEFORE ROUGH IN AND TERMINATION.
9. HOOD LOADS FOR ANSUL SYSTEM AND OTHER LIGHT LOADS. VERIFY ACTUAL LOADS PER MANUFACTURERS INSTALLATION INSTRUCTIONS. COORDINATE ANY NEED OF SPECIAL CIRCUIT BREAKERS AS NEEDED.
10. EQUIPMENT DISCONNECT ACTUAL LOCATION TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION.
11. EXHAUST FANS TO BE INTERLOCKED WITH HVAC EQUIPMENT UNLESS CONNECTED TO A SWITCH, OR AS NOTED IN MECHANICAL PLANS.



NOTE
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① ELECTRICAL PLAN - STORE I
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T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
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EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
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28759

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SHEET TITLE
ELECTRICAL PLAN II

SCALE: 3/16"=1'

SHEET NO
E2.1

GENERAL NOTES

A. PROPOSED EQUIPMENT LOAD MIGHT NOT BE ACTUAL EQUIPMENT SELECTED. COORDINATE DIMENSIONS, ELEVATIONS, AND IN ANY CASE OF DISCREPANCIES ASK QUESTIONS TO ENGINEER, ARCHITECT, OR OWNER BEFORE ROUGH IN.
B. BALANCE LOADS ON ALL THREE PHASES AS MUCH AS POSSIBLE.
C. RELOCATE CIRCUIT LOADS IN PANEL TO BETTER ARRANGE CONDUITS FOR INSTALLATION.
D. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.
E. ALL RESTAURANT AND STORE EQUIPMENT TERMINATION AND LOAD TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED AND THE INSTALLATION INSTRUCTIONS. ANY MODIFICATIONS TO BE COORDINATED WITH ARCHITECT, ENGINEER, AND OWNER.
F. COORDINATE RECEPTACLES AND JUNCTION BOXES WITH ACTUAL FURNITURE ELEVATIONS. EQUIPMENT TERMINATION MIGHT VARY, CONTRACTOR TO VERIFY EQUIPMENT CONNECTION BEFORE ELECTRICAL TERMINATIONS ARE DONE.

KEYED NOTES

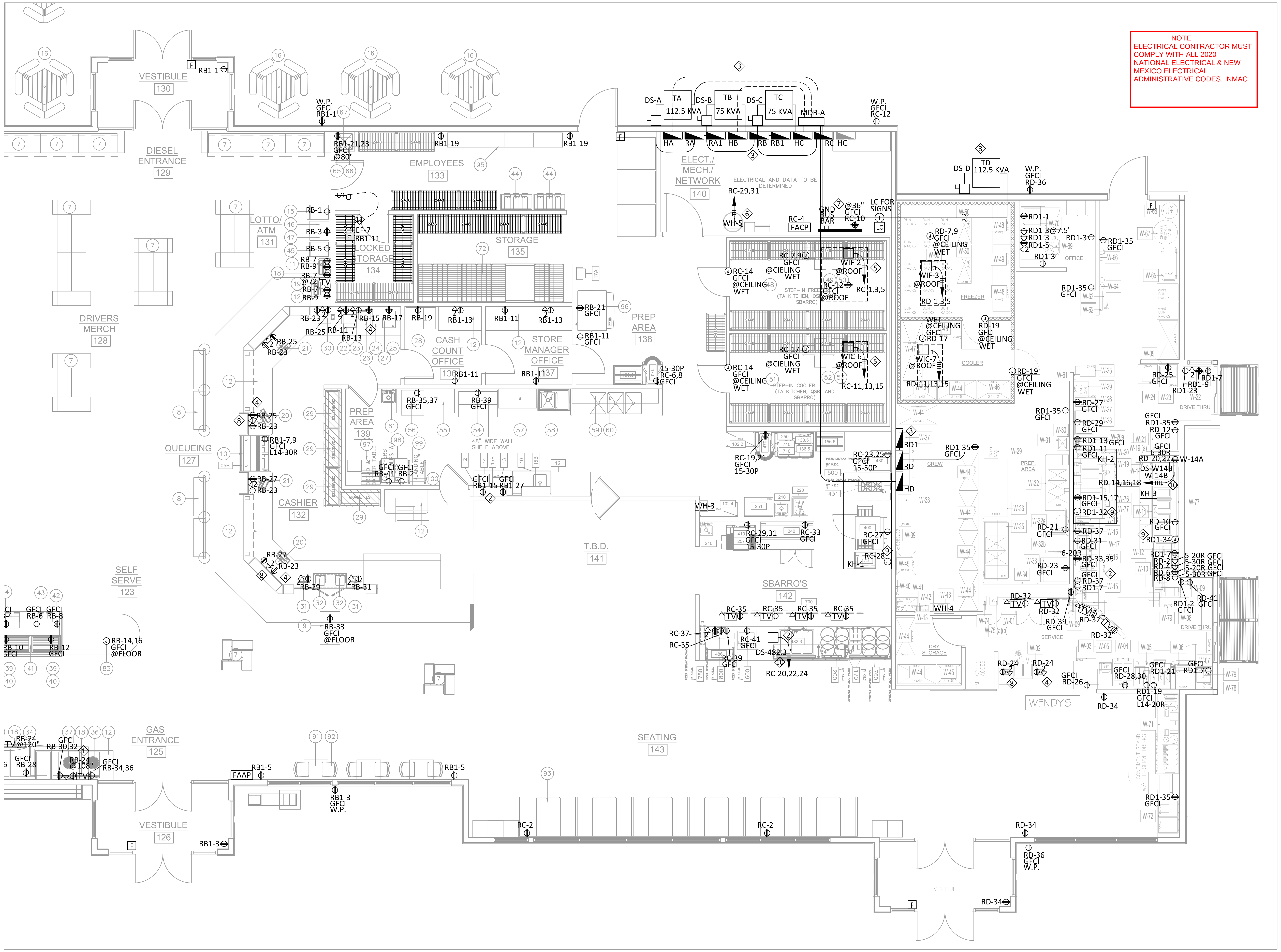
1. VERIFY DESIRED HEIGHT OF FLAT SCREEN TV, AND QUANTITY AS WELL. THIS HAS TO BE COORDINATED BEFORE ROUGH IN.
2. ELECTRICAL WIRES AND CONDUITS TO BE INSTALLED BASED ON WIRING SCHEDULE RATINGS ACCORDING TO CIRCUIT BREAKER.
3. ELECTRICAL PANELS TO BE LOCATED IN THE ELECTRICAL RM, COORDINATE EXACT LOCATION IN THE FIELD. TRANSFORMER TO BE LOCATED OUTDOORS.
4. RECEPTACLES ABOVE COUNTER TOP OR NEAR SINKS TO BE INSTALLED PER DETAILS, OR TO BE MOUNTED 6 INCHES ABOVE COUNTER TOP OR SINKS. VERIFY WITH ACTUAL FURNITURE.
5. FREEZER EQUIPMENT DISCONNECT ACTUAL LOCATION TO BE COORDINATED IN THE FIELD.
6. WATER HEATER RECEPTACLE ACTUAL LOCATION TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION. SINCE WH ARE INTENDED TO BE CONNECTED TO GAS, THEY ONLY NEED A SMALL RECEPTACLE. SAFETY DISCONNECT SWITCH FOR WATER HEATER TO BE FIELD COORDINATED.
7. COORDINATE COMMUNICATIONS SERVICE AND MAIN DISTRIBUTION FRAME (MDF) RACK, USE OF 3/4" PLYWOOD FOR COMMUNICATIONS SERVICE FIRE RATED, AND PAINTED WITH FIRE RATED PAINT. OR AS REQUIRED BY UTILITY PROVIDER. COORDINATE WITH ENGINEER, ARCHITECT OR OWNER FOR ACTUAL ACCESSIBLE LOCATION. GROUNDING BUS BAR PER NEC.
8. ALL DATA AND PHONE WIRES TO BE INSTALLED FROM SERVER (IT) RM TO THE DATA AND PHONE RECEPTACLES INDICATED IN PLANS. COORDINATE WITH OWNER, ARCHITECT AND ENGINEER FOR ANY QUESTIONS BEFORE ROUGH IN AND TERMINATION.
9. HOOD LOADS FOR ANSUL SYSTEM AND OTHER LIGHT LOADS. VERIFY ACTUAL LOADS PER MANUFACTURERS INSTALLATION INSTRUCTIONS. COORDINATE ANY NEED OF SPECIAL CIRCUIT BREAKERS AS NEEDED.
10. EQUIPMENT DISCONNECT ACTUAL LOCATION TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION.
11. EXHAUST FANS TO BE INTERLOCKED WITH HVAC EQUIPMENT OR AS NOTED IN MECHANICAL PLANS.

GENERAL NOTES

A. PROPOSED EQUIPMENT LOAD MIGHT NOT BE ACTUAL EQUIPMENT SELECTED. COORDINATE DIMENSIONS, ELEVATIONS, AND IN ANY CASE OF DISCREPANCIES ASK QUESTIONS TO ENGINEER, ARCHITECT, OR OWNER BEFORE ROUGH IN.
B. BALANCE LOADS ON ALL THREE PHASES AS MUCH AS POSSIBLE.
C. RELOCATE CIRCUIT LOADS IN PANEL TO BETTER ARRANGE CONDUITS FOR INSTALLATION.
D. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.

KEYED NOTES

1. RECEPTACLE ON WAREHOUSE. COORDINATE ACTUAL LOCATION IN THE FIELD BEFORE ROUGH IN AND TERMINATION. VERIFY PANEL SCHEDULE FOR PROPER WIRE SIZING DUE TO VOLTAGE DROOP. FOR OUTDOORS, FURNISH AND INSTALL WEATHER PROOF WHILE-IN-USE HOODS EQUAL TO THOMAS AND BETTS RED-DOT CODE KEEPOP.
2. PANEL HA, RA, RA1, STEP DOWN TRANSFORMER TA, AND LIGHTING CONTACTOR (LC) MOUNTING TO BE COORDINATED IN THE FIELD FOR EXACT LOCATION.



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① **ELECTRICAL PLAN - STORE II**
3/16" = 1'-0"

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T.B.P.E. FIRM REGISTRATION #12716
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1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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EDGAR E. DEANDA
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NO	DATE	DESCRIPTION

SHEET TITLE
ELECTRICAL PLAN III

SCALE: 3/16"=1'

SHEET NO
E2.2

GENERAL NOTES

A. PROPOSED EQUIPMENT LOAD MIGHT NOT BE ACTUAL EQUIPMENT SELECTED. COORDINATE DIMENSIONS, ELEVATIONS, AND IN ANY CASE OF DISCREPANCIES ASK QUESTIONS TO ENGINEER, ARCHITECT, OR OWNER BEFORE ROUGH IN.
B. BALANCE LOADS ON ALL THREE PHASES AS MUCH AS POSSIBLE.
C. RELOCATE CIRCUIT LOADS IN PANEL TO BETTER ARRANGE CONDUITS FOR INSTALLATION.
D. FIRE ALARM ANNUNCIATOR, CONTROL PANEL, PULL STATIONS AND AUDIBLE AND VISUAL SIGNALS TO BE DONE AND COORDINATED WITH A LICENSE FIRE ALARM SYSTEM INSTALLER. AND FOR THE INSTALLER TO PROVIDE SEALED DRAWINGS BEFORE ACTUAL INSTALLATION. PROPOSED DESIGN ON THESE DRAWINGS IS AN INDICATOR OF THE NEED FOR A FIRE ALARM SYSTEM.
E. ALL RESTAURANT AND STORE EQUIPMENT TERMINATION AND LOAD TO BE COORDINATED WITH ACTUAL EQUIPMENT TO BE INSTALLED AND THE INSTALLATION INSTRUCTIONS. ANY MODIFICATIONS TO BE COORDINATED WITH ARCHITECT, ENGINEER, AND OWNER.
F. COORDINATE RECEPTACLES AND JUNCTION BOXES WITH ACTUAL FURNITURE ELEVATIONS.
G. ELECTRICAL WIRES AND CONDUITS TO BE INSTALLED BASED ON WIRING SCHEDULE RATINGS.

KEYED NOTES

1. A/C UNIT RECEPTACLE FOR MAINTENANCE PURPOSE. COORDINATE ACTUAL LOCATION IN THE FIELD BEFORE ROUGH IN AND TERMINATION. TO BE LOCATED LESS THAN 25 FT FROM UNITS. FOR OUTDOORS, FURNISH AND INSTALL WEATHER PROOF WHILE-IN-USE HOODS EQUAL TO THOMAS AND BETTS RED-DOT CODE KEEPOP.
2. HVAC DISCONNECTS ACTUAL LOCATION TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION.
3. EXHAUST FANS TO BE INTERLOCK WITH A/C UNIT AS INDICATED IN MECHANICAL DRAWINGS. DISCONNECT SAFETY SWITCH TO BE COORDINATED IN THE FIELD BEFORE ROUGH IN AND TERMINATION.
4. HOOD FANS DISCONNECT TO BE INSTALLED ON THE ROOF. ACTUAL LOCATION TO BE COORDINATED IN THE FIELD, WITH NEMA 3R DISCONNECT SWITCHES.
5. COOLERS AND FREEZER DISCONNECT TO BE INSTALLED ON THE ROOF. ACTUAL LOCATION TO BE COORDINATED IN THE FIELD, WITH NEMA 3R DISCONNECT SWITCHES.

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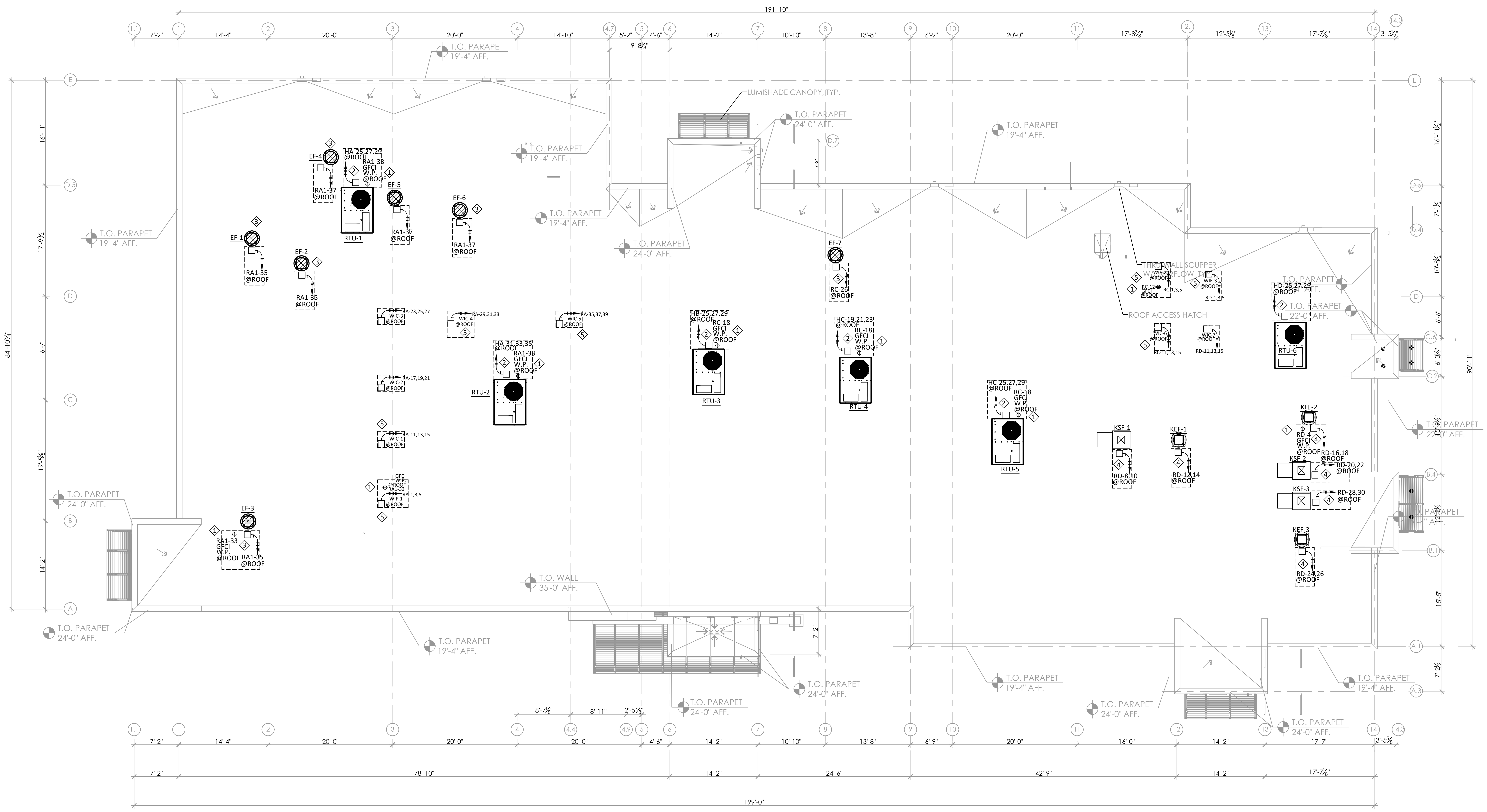

1 ELECTRICAL ROOF PLAN - STORE
1/8" = 1'-0"

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SHEET TITLE
ELECTRICAL PLAN IV

SCALE: 1/8"=1'

SHEET NO
E2.3

LIGHTING FIXTURE SCHEDULE

SYMBOL	LAMP	MFGR.	MODEL	DESCRIPTION	MOUNTING	LAMP WATTS	VOLTS
A	LED FLAT PANEL	MAXLITE	MLFP-22-G4-30-40-CS-CR	LED PANEL LUMINAIRE, 3390 LUMENS, 4000K COLOR	RECESSED	30	120/277
AA	LED FLAT PANEL	MAXLITE	MLFP-22-G4-30-40-CS-CR-EM	LED PANEL LUMINAIRE, 3390 LUMENS, 4000K COLOR	RECESSED	30	120/277
A1	LED DOWNLIGHT	MAXLITE	RCF-4-10W-CS-D-W	LED DOWNLIGHT, 1200 LUMENS, 3000K COLOR, NSF RATED FOR FOOD PREPARATION AREAS	RECESSED	12	120/277
A1W A1WE	LED DOWNLIGHT	LITHONIA	LDN4-AL02-SWW1-L04-AR-LSS-MVOLT-UGZ OPTION EL= EMERGENCY FOR "A1WE" TYPE ONLY	LED DOWNLIGHT, 1000 LUMENS, 4000K COLOR, WET RATED	RECESSED	13	120/277
A2	LED FLAT PANEL	LITHONIA	EPANL-2X2-3200LM-80CRI-40K-SWL-MIN10-EZT-MVOLT-NLTAIR2	LED PANEL LUMINAIRE, 3700 LUMENS, 4000K COLOR, NSF RATED FOR FOOD PREPARATION AREAS	RECESSED	30	120/277
AA2	LED FLAT PANEL	LITHONIA	EPANL-2X2-3200LM-80CRI-40K-SWL-MIN10-EZT-MVOLT-E10WCP-NLTAIR2	LED PANEL LUMINAIRE, 3700 LUMENS, 4000K COLOR, NSF RATED FOR FOOD PREPARATION AREAS	RECESSED	30	120/277
B	LED FLAT PANEL	MAXLITE	MLFP-24-G4-40-40-CS-CR	LED PANEL LUMINAIRE, 4760 LUMENS, 4000K COLOR	RECESSED	40	120/277
BB	LED FLAT PANEL	MAXLITE	MLFP-24-G4-40-40-CS-CR-EM	LED PANEL LUMINAIRE, 4760 LUMENS, 4000K COLOR	RECESSED	40	120/277
B2	LED FLAT PANEL	LITHONIA	EPANL-2X4-4000LM-80CRI-40K-MIN10-EZT-MVOLT-NLTAIR2	LED PANEL LUMINAIRE, 4000 LUMENS, 4000K COLOR, NSF RATED FOR FOOD PREPARATION AREAS	RECESSED	37	120/277
BB2	LED FLAT PANEL	LITHONIA	EPANL-2X4-4000LM-80CRI-40K-MIN10-EZT-MVOLT-E10WCP-NLTAIR2	LED PANEL LUMINAIRE, 4000 LUMENS, 4000K COLOR, NSF RATED FOR FOOD PREPARATION AREAS	RECESSED	37	120/277
C	LED VAPOR TIGHT LINEAR FIXTURES	MAXLITE	EG3-4-LED-04L-DA-S-50-80	LED VAPOR TIGHT LINEAR FIXTURE NSF RATED, 6400 LUMENS, 4000K COLOR.	SURFACE	32	120/277
D	LED STRIP LIGHT			LED SINGLE TUBE STRIP LIGHT SINGLE TUBE LED STRIP LIGHT MOUNTED ON EACH SIDE OF EACH DOOR. SUPPLIED WITH COOLER AND TO BE CONNECTED BY GENERAL CONTRACTOR.		15	120/277
F FE	LED 4"	METEOR	RS4N-20-408-UNV-STV-35-WHT OPTION EMP = EMERGENCY FOR "FE" TYPE ONLY	LED 4" DOWNLIGHT, 2010 LUMENS, 4000K COLOR	RECESSED	20	120/277
G	TRACK LIGHT	HALO	L815MED30WF935SL	TRACK LIGHT 5 HEADS, 2400 LUMENS, 3500K COLOR,	TRACK	38	120/277
H	PENDANT	LSI	2RSS-5-LED-03L-LF-UE-50-I-HC-WHT-W-W-36	2" SUSPENDED LINEAR LIGHTING SYSTEM BY LSI.	SUSPENDED	14	120/277
J	PENDANT	TROY RLM'S	DOME 16" WIDE RED	PEDANT LIGHT BY TROY RLM RLM'S TROY RLM DOME 16" WIDE RED PEDANT LIGHT W/ GLOSS WHITW LENS , LED E26 18 WATTS	SUSPENDED	18	120/277
K	PENDANT	LIGHTOLOGY	KHR902553	EVERLY VASE MINI PEDANT, CLEAR BLACK FINISH, LED E26 18 WATTS RATED FOR 120V-277V	SUSPENDED	18	120/277
L	PENDANT	METEOR	VA6-PCS19-75-408-UNI-STV-WHT-AD10 COORDINATE WITH ARCHITECT FOR DIFFUSER SELECTION.	PENDANT LED LIGHT, 7000 LUMENS, 4000K COLOR	SUSPENDED	75	120/277
M	LED GAS STATION LIGHT	LSI	SCV-LED13L-SC-UNV-DIM-40-WHT	LED LAMP BY LSI. SCOTTSDALE SCV, 13,440 LUMENS	SURFACE	90	120/277
N	WALL SCONCE	POSSINI	POSSINI EURO ELOE CHROME 31-1/4"	WALL SCONCE LIGH, WIDE LINEAR LED BATH LIGHT, 1800 LUMENS, 3000K COLOR	WALL	15	120
P	WALL WASH	LSI	MWW-2-LED-HO-NW-WHT-WHT-UE	24" LED MICRO WALL WASH FROM LSI, INSTALL LIGHT ON DIMER INDEPENDENTLY ON EACH GRAPHIC, VERIFY MOUNTING LOCATION OF WALL WASHER LIGHT IN GRID. LIGHT TO SHINE CENTERED ON WALL GRAPHIC. 2700 LUMENS, 4000K COLOR	WALL	35	120/277
24"	WINGRAIL	VODE	107-WG-24-TA-19-2T-AT-1-0-Z-SO-40-0-0-*-0	24" LED WING RAIL, 1378 LUMENS, 5000K COLOR, EDOLED 0-10V, 0.1% DIMMING.	RECESSED	13	120/277
48"	WINGRAIL	VODE	107-WG-48-TA-19-2T-AT-1-0-Z-SO-40-0-0-*-0	36" LED WING RAIL, 2756 LUMENS, 5000K COLOR, EDOLED 0-10V, 0.1% DIMMING.	RECESSED	27	120/277
WP1	LED WALL PACK	LITHONIA	WDGE2-LED-P2-50K-80CRI-T2M-MVOLT-SRM-PIR1FC3V	WALLPACK LED WITH 2000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	WALL	19	120/277

LIGHTING FIXTURE ACCORDING TO THE MODEL OR APPROVED EQUAL BY OWNER, ARCHITECT, OR ENGINEER
*ARCHITECT TO SELECT COLOR AND FINISH.

LIGHTING FIXTURE SCHEDULE

SYMBOL	LAMP	MFGR.	MODEL	DESCRIPTION	MOUNTING	LAMP WATTS	VOLTS
P1	LED AREA LIGHT	LITHONIA	RSX4-LED-P4-50K-R5-HVOLT-RPA-NLTAIR2-PIRHN-DDBXD-DM19AS	LED AREA LIGHT, 56,000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	POLE	431	480
P2	LED AREA LIGHT	LITHONIA	RSX4-LED-P2-50K-R3-HVOLT-RPA-NLTAIR2-PIRHN-DDBXD-DM19AS	LED AREA LIGHT, 45,000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	POLE	320	480
P3	LED FLOOD	LITHONIA	RSXF4-LED-P4-50K-AWFD-HVOLT-AARP-NLTAIR2-PIRHN-DDBXD-DM19AS	LED AREA LIGHT, 36,000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	POLE	431	480
P4	LED FLOOD	LITHONIA	RSXF4LED-P4-50K-AWFD-HVOLT-AARP-NLTAIR2-PIRHN-DDBXD-DM29AS	LED FLOOD LIGHT, 57000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	POLE	862	480
P5	LED FLOOD	LITHONIA	RSXF4LED-P4-50K-AWFD-HVOLT-AARP-NLTAIR2-PIRHN-DDBXD-DM32AS	LED FLOOD LIGHT, 57000 LUMENS, 5000K COLOR, WITH BI-LEVEL(100/35%) MOTION SENSOR WITH PHOTOCELL PRE-PROGRAMMED FOR DUSK TO DAWN OPERATION	POLE	1293	480
POLE	POLE	LITHONIA	RTS-37-9-OB-VD-DDBXD OPTIONS FOR P1, P2 &P3 USE DM19AS, FOR P4 USE DM29AS & P5 USE DM32AS	37 FEET POLE, THE SHAFT BASE SIZE SHOULD BE SELECTED BASED ON ACTUAL WIND LOADS AND STRUCTURAL ANALYSIS.	POLE		
EG	WALL EGRESS	LITHONIA	AFB-PEL-DDBTXD UVOLT-LTP-SDRT -WT	WALL LUMINAIRE USED AS EGRESS LIGHT WITH PHOTOCELL AND BATTERY BACK UP	WALL	16	120/277
EE	EMERGENCY	LITHONIA	ELM6L-UVOLT-LTP-SDRT	LED EMERGENCY LIGHT COMMERCIAL, 60' PATH, WITH BATTERY BACK UP	WALL	11	120/277
EEW	EMERGENCY	LITHONIA	ELM6L-UVOLT-LTP-SDRT-WPVSLRG	LED EMERGENCY LIGHT COMMERCIAL, 60' PATH, WITH BATTERY BACK UP, WET LOCATION SHIELD	WALL	11	120/277
E	EMERGENCY	PHILIPS CHLORIDE	CLUR3-N-B*	LED EMERGENCY LIGHT COMMERCIAL, 52' PATH, WITH BATTERY BACK UP	WALL	11	120/277
XW	EXIT LIGHT WET	LITHONIA	LVS-1-R-120/277-DL-FPA	LED EXIT LIGHT, WITH SELF DIAGNOSTICS, NO LAMP HEADS, WET LOCATION RATED, WITH BATTERY BACK UP	WALL OR CEILING	4	120/277
XEW	EXIT LIGHT WET	LITHONIA	WLTC-1-R-SD-CW	LED EXIT LIGHT, WITH SELF DIAGNOSTICS, WITH LAMP HEADS FOR EMERGENCY, WET LOCATION RATED, 24' PATH, WITH BATTERY BACK UP	WALL OR CEILING	7	120/277
X	EXIT LIGHT	PHILIPS CHLORIDE	CLX-N-RB	LED EXIT LIGHT, WITH SELF DIAGNOSTICS, NO LAMP HEADS, WITH BATTERY BACK UP	WALL OR CEILING	8	120/277
XE	EXIT LIGHT	PHILIPS CHLORIDE	CLC-N-RB	LED EXIT LIGHT, WITH SELF DIAGNOSTICS, WITH LAMP HEADS FOR EMERGENCY, WITH BATTERY BACK UP, 52' PATH	WALL OR CEILING	11	120/277
AT	ATTIC LIGHTS	LEVITON	000-09850-LED	KEYLESS LED LAMPHOLDER WITH 10W LED LAMP AND GUARD	ATTIC	10	120

LIGHTING FIXTURE ACCORDING TO THE MODEL OR APPROVED EQUAL BY OWNER, ARCHITECT, OR ENGINEER
*ARCHITECT TO SELECT COLOR AND FINISH.

SWITCH TYPE SCHEDULE

APPROVED LIGHTING CONTROLS LUTRON, AND OTHER APPROVED EQUAL. OPTIONS FOR EQUAL SUBSTITUTES

SWITCH TYPE	BRAND	MODEL	DESCRIPTION
O	LUTRON	MS-B102-(COLOR)	OCCUPANCY/VACANCY (15'X30')
DO	LUTRON	MS-Z101-(COLOR)	OCCUPANCY/VACANCY WITH DIMMER
S1	LUTRON	MS-B102-(COLOR)	OCCUPANCY/VACANCY
*S	LUTRON	PD-5S-DV-XX	MAESTRO WIRELESS SWITCH - 5A * PREFIX TO INDICATE BLANK = 1 SWITCH, 3= 3 WAY, 4= 4 WAY
P3 RL	LUTRON	PJ2-3BRL-GXX-L01	PICO WIRELESS REMOTE RAISE AND LOWER
P2	LUTRON	PJ2-2B-GXX-L01	PICO WIRELESS REMOTE ON/OFF
P4	LUTRON	PJ2-4B-GWH-L01	ZONE CONTROL
16R	LUTRON	RMJ-16R-DV-B	16A POWPACK RELAY MODULE
5R	LUTRON	RMJ-5R-DV-B	5A POWPACK RELAY MODULE
8T	LUTRON	RMJ-8T-DV-B	8A POWPACK DIMMING MODULE
HUB 0	LUTRON	HJS-0-FM & PS-J-20W-UNV	VIVE WIRELESS HUB & VIVE HUB POWER SUPPLY
OS 360 500	LUTRON	LOS-CDT-500-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - CEILING MOUNT 360 500SF (23'X23'@9')
OS 360 1000	LUTRON	LOS-CDT-1000-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - CEILING MOUNT 360 1000SF (32'X32'@9')
OS 360 2000	LUTRON	LOS-CDT-2000-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - CEILING MOUNT 360 2000SF(64'X32'@9')
OS 180	LUTRON	LRF2-OWLB-P-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - WAL-MOUNT 180 (50'X60'@7')
OS 90	LUTRON	LRF2-OKLB-P-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - CORNER-MOUNT 90 (50'X60'@7')
OS H	LUTRON	LRF2-OHLB-P-WH	RADIO PWR SAVR OCCUPANCY/VACANCY SESNOR - HALLWAY-MOUNT (6'W=6'X50'@7') (8'W=8'X100'@7')(10'W=10'X150'@7')
DL S	LUTRON	LRF3-DCRB-WH	DAY LIGHT SENSORS
S2	LUTRON	LOS-CDT-500-WH	WIRED OCCUPANCY SENSOR (NEEDS POWER PACK)
PP	LUTRON	PP-DV	POWER PACK
ST	LEVITON	DDS15-BDZ	TIMER PROGRAMMABLE VIA BLUETOOTH
SIM			
VS 360 500			

XX = COLOR TO BE SELECTED BY OWNER OR ARCHITECT. USE PROPOSED MANUFACTURER OR APPROVED EQUAL

LOAD ANALYSIS FOR COMMERCIAL STORE

THREE PHASE	277/480V	3-POLE	4-W		CB
DESCRIPTION	VA	FACTOR	VA	AMPS	AMPS
GENERAL RECEPTACLE	15186		15186		
GENERAL LIGHTING	64447.5		64447.5		
KITCHEN	0	80%	0		
A/C NON-COINCIDENT	99720		99720		
LARGEST MOTOR	1840	25%	460		
OTHER LOADS	263010		263010		
TOTAL AT 277/480V	444203.5		442823.5	533.27	1200
SERVICE CABLE SIZE	3 SETS OF 3-600, 1-600N, 1-1/0G				
CONDUIT SIZE	3 SETS OF 4" GRM(ABOVE GND) AND PVC SCHEDULE 40 (UDG)				

MAIN DISTRIBUTION BOARD MDB-A (I-LINE)

6/29/2023

NEMA		INTERRUPT	PHASES	VOLTS	LARGEST MOTOR VA	TOTAL AMPS	RATINGS	TOTAL OCPD	TOTAL VA	CONDUIT SCHEDULE				
3R		65KAIC	3	277/480	6330	544	GFCI (AHJ)	1200	451865	WIRES TYPE THWN-2 AT 75°C AND GALVANIZED RMC & PVC SCHEDULE 40(UDG)				
ARC FLASH REDUCED CURRENT														
ITEM NO.	BUCKET ID	DESCRIPTION	PHASE	VOLTS	HP	FLA	OCPD CALCULATED	OCPD PROPOSED	VA	CONDUCTOR AMPS	CONDUCTOR QTY-SIZE	*NEUTRAL QTY- SIZE	GROUND QTY-SIZE	CONDUIT QTY-SIZE
1		MAIN CB	3	480		544	680	1200	451,865	1200.0	9-600KCMIL	3-600KCMIL	3-1/0	3-4"
2		PANEL HA	3	480		99	123	200	82,042	250.0	3-250 AWG	1-250 AWG	1-#2	1-3'
3		PANEL HB	3	480		106	133	200	88,270	250.0	3-250 AWG	1-250 AWG	1-#2	1-3'
4		PANEL HC	3	480		108	135	200	89,590	250.0	3-250 AWG	1-250 AWG	1-#2	1-3'
5		PANEL HD	3	480		23	29	100	19,270	125.0	3-1/0	1-1/0	1-#2	1-2'
6		TA - 112.5 KVA	3	480		103	129	150	85,410	187.5	3-3/0	1-3/0	1-#4	1-2 1/2'
7		TD - 112.5 KVA	3	480		103	129	150	85,700	187.5	3-3/0	1-3/0	1-#4	1-2 1/2'
8		FUTURE PANEL HG	3	480		0	0	200						
9		FUTURE	3	480										
10		FUTURE	3	480										

NEUTRAL WIRE TO BE ADDED AS REQUIRED PER MANUFACTURER EQUIPMENT AT NO ADDITIONAL COST TO OWNER. THE NEUTRAL SHALL BE THE SAME SIZE AS THE CURRENT CARRYING CONDUCTOR.

CONDUIT AND WIRE SCHEDULE

COPPER WIRE, MIN RATING #12 AWG

CIRCUIT BREAKER	WIRE AND CONDUIT
15A & 20A-1P	1#12, 1#12N, 1#12G, 1/2"C
20A-2P	2#12, 1#12G, 1/2"C
20A-3P	3#12, 1#12G, 1/2"C
25A-2P	2#10, 1#10G, 3/4"C
25A-2P	3#10, 1#10G, 3/4"C
30A-2P	2#10, 1#10G, 3/4"C
30A-3P	3#10, 1#10N, 1#10G, 3/4"C
40A-2P	2#8, 1#10G, 3/4"C
40A-3P	3#8, 1#8N, 1#10G, 3/4"C
45A-2P	2#6, 1#6N, 1#10G, 1"C
50A-3P	3#6, 1#6N, 1#10G, 1 1/4"C
60A-3P	3#4, 1#4N, 1#10G, 1 1/4"C
70A-3P	3#4, 1#4N, 1#8G, 1 1/4"C
125A-3P	3-1/0, 1-1/0N, 1#6G, 2"C
FEEDER CIRCUIT TO PANEL "RA"	
400A-3P 120/208V	2 SETS OF 3-250, 1-250N, 1#2G, 3"C
FEEDER CIRCUIT TO PANEL "RA1"	
100A-3P 120/208V	1 SET OF 3-#1, 1-#1N, 1#6G, 2"C
FEEDER CIRCUIT TO PANEL "RB"	
200A-3P 120/208V	1 SET OF 3-250, 1-250N, 1#2G, 3"C
FEEDER CIRCUIT TO PANEL "RC"	
200A-3P 120/208V	1 SET OF 3-250, 1-250N, 1#2G, 3"C
FEEDER CIRCUIT TO PANEL "RD"	
400A-3P 120/208V	2 SETS OF 3-250, 1-250N, 1#2G, 3"C
FEEDER CIRCUIT TO PANEL "RD1"	
100A-3P 120/208V	1 SET OF 3-#1, 1-#1N, 1#6G, 2"C

MAX LENGTH OF WIRE FOR 20 AMPS BREKERS DUE TO VOLTAGE DROP

AGW WIRE	20AMPS
#12	50FT
#10	85FT
#8	130FT
#6	200FT

DISCONNECT SWITCH SCHEDULE

ITEM	RATING	DEVICE	NEMA TYPE
DS-A, & D	3-P, 400A*, 208V	NF	3R
DS-B, & C	3-P, 200A*, 208V	NF	3R
EF-1, 2, 3, 4, 5, 6, & 7	1-P, 30A*, 120V	CB	3R
RTU-1, 2, 3, 4, 5, & 6	3-P, 30A*, 480V	NF	3R
KEF-1, 2, 3 & KSF-1, 2, 3	2-P, 30A*, 208V	NF	3R
WIF-1	3-P, 60A*, 208V	NF	3R
WIC- 1, 2, 3, 4, & 5	3-P, 30A*, 208V	NF	3R
WIF- 2 & 3	3-P, 30A*, 208V	NF	3R
WIC- 6 & 7	3-P, 30A*, 208V	NF	3R
WH-5	2-P, 60A*, 208V	NF	1
DS-62	3-P, 30A*, 480V	NF	1
DS-482.3	3-P, 30A*, 208V	NF	1
DS-W14B	3-P, 30A*, 208V	NF	1

*= VERIFY ACTUAL EQUIPMENT LOAD RATING TO BE INSTALLE
CB= CIRCUIT BREAKERS
F= FUSES
NF= NON-FUSIBLE

NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:06 PM
A-155698

EDeanda P.E.
6/30/2023

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE
SCHEDULES & LOADS I

SCALE: N.T.S.

SHEET NO
E3.0

PANEL SCHEDULE "HA"

6/29/2023

LOCATION: ELECTRICAL RM — NEMA: 1 — PHA WEIGHTED VA 25740
VOLTS: 277/480 — FEED: TOP/BOTTOM — PHB WEIGHTED VA 28540
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 27430
INTERRUPT: 65KAIC — BUS RATING: 225A — LARGEST MOTOR 25%VA 332
OPTIONS: — MAIN: CB — EQUIP SIZING VA 82042
NOTE: — MAIN RATING: 225A — PANEL AMPS 99

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
C	LIGHTS EMERGENCY, EXIT AND EGRESS	100		20A-1P	1	A	2	20A-2P	2#10, 1#12G	1080	LIGHTING EXTERIOR POLES	C
C	LIGHTS ZONE WOMEN & MEN	2180		20A-1P	3	B	4			1080		
C	LIGHTS LOUNGE, CORRIDORS, LAUNDRY	1060		20A-1P	5	C	6	20A-2P	2#8, 1#10G***	1080	LIGHTING EXTERIOR POLES	C
C	LIGHTS ZONE 1, 2 & 3	1630		20A-1P	7	A	8		2#10,1#12G	1080		
C	LIGHTING EXTERIOR POLES	1210	2#10, 1#12G	20A-2P	9	B	10	20A-2P	2#10, 1#12G	2220	LIGHTING EXTERIOR POLES	C
		1210			11	C	12			2220		
C	LIGHTING EXTERIOR POLES	1080	2#10, 1#12G	20A-2P	13	A	14	20A-2P	2#6, 1#8G***	1620	LIGHTING EXTERIOR POLES	C
		1080			15	B	16		2#10,1#12G	1620		
C	LIGHTS COOLER &FREEZER	1090		20A-1P	17	C	18	20A-2P	2#6, 1#8G***	1620	LIGHTING EXTERIOR POLES	C
C	LIGHTS EXTERIOR			20A-1P	19	A	20		2#10,1#12G	1620		
	SPACE				21	B	22	20A-2P	2#10, 1#12G	1620	LIGHTING EXTERIOR POLES	C
	SPACE				23	C	24			1620		
I	RTU-1	4710		25A-3P**	25	A	26				SPACE	
		4710			27	B	28				SPACE	
		4710			29	C	30				SPACE	
I	RTU-2	5820		25A-3P**	31	A	32				SPACE	
		5820			33	B	34				SPACE	
		5820			35	C	36				SPACE	
I	62-30LB DRYER	7000		30A-3P**	37	A	38				SPACE	
		7000			39	B	40				SPACE	
		7000			41	C	42				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

***BRANCH FEEDER TO BE PER THE INDICATED WIRE, THEN BRANCH OFF TO LIGHTS WITH 2#10, 1#12G.

PANEL SCHEDULE "RA"

6/28/2023

LOCATION: ELECTRICAL RM — NEMA: 1 — PHA WEIGHTED VA 30060
VOLTS: 120/208 — FEED: TOP — PHB WEIGHTED VA 27990
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 27140
INTERRUPT: 22KAIC — BUS RATING: 400A — LARGEST MOTOR 25%VA 220
OPTIONS: — MAIN: CB — EQUIP SIZING VA 85410
MAIN RATING: 400A — PANEL AMPS 237

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	87-WIF-1 - WALK-IN FREEZER CONDESING UNIT	4500		50A-3P**	1	A	2	20A-2P**		2290	64.1 - DRIYER	I
		4500			3	B	4			2290		
		4500			5	C	6	20A-2P**		2290	64.1 - DRIYER	I
I	88 - WALK-IN FREEZER COIL FAN	1650		20A-2P**	7	A	8			2290		
		1650			9	B	10	20A-2P**		2290	64.1 - DRIYER	I
I	2-WIC-1 - WALK-IN COOLER CONDENSING UNIT	1150		20A-3P**	11	C	12			2290		
		1150			13	A	14	20A-2P**		2290	64.1 - DRIYER	I
		1150			15	B	16			2290		
I	2-WIC-2 - WALK-IN COOLER CONDENSING UNIT	1150		20A-3P**	17	C	18	20A-1P**		1670	64 - WASHER	I
		1150			19	A	20	20A-1P**		1670	64 - WASHER	I
		1150			21	B	22	20A-1P**		1670	64 - WASHER	I
I	2-WIC-3 - WALK-IN COOLER CONDENSING UNIT	1150		20A-3P**	23	C	24	20A-1P**		1670	64 - WASHER	I
		1150			25	A	26	20A-1P**		1250	RECEPT ADA SHOWER 118	I
		1150			27	B	28	20A-1P**		600	RECEPT DRIVER LAUNDRY 119 & MOP CLOSET	I
I	2-WIC-4 - WALK-IN COOLER CONDENSING UNIT	1150		20A-3P**	29	C	30	20A-1P**		1080	RECEPT LOUNGE 121	I
		1150			31	A	32	20A-1P**		1250	RECEPT SHOWER 115	I
		1150			33	B	34	20A-1P**		1250	RECEPT SHOWER 114	I
I	2-WIC-5 - WALK-IN COOLER CONDENSING UNIT	1150		20A-3P**	35	C	36	20A-1P**		1250	RECEPT SHOWER 113	I
		1150			37	A	38	100A-3P**		7120	SUB-PANEL RA1	I
		1150			39	B	40			5700		
I	RECEPT MAINTENANCE	360		20A-1P	41	C	42			6280		

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RA1"

6/28/2023

LOCATION: ELECTRICAL RM — NEMA: 1 — PHA WEIGHTED VA 7120
VOLTS: 120/208 — FEED: TOP — PHB WEIGHTED VA 5700
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 6280
INTERRUPT: 22KAIC — BUS RATING: 100A — LARGEST MOTOR 25%VA 220
OPTIONS: — MAIN: LUGS — EQUIP SIZING VA 19320
MAIN RATING: 100A — PANEL AMPS 54

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	3 - WALK-IN COOLER COIL FAN	190		15A-1P**	1	A	2	20A-1P		900	RECEPT SEATING, JANITOR & VESTIBULE	I
I	3 - WALK-IN COOLER COIL FAN	190		15A-1P**	3	B	4	20A-1P		180	RECEPT EXTERIOR	I
I	3 - WALK-IN COOLER COIL FAN	190		15A-1P**	5	C	6	20A-1P		1250	RECEPT FAMILY 111	I
I	3 - WALK-IN COOLER COIL FAN	190		15A-1P**	7	A	8	20A-1P		1250	RECEPT SHOWER 112	I
I	3 - WALK-IN COOLER COIL FAN	190		15A-1P**	9	B	10	20A-1P		1250	RECEPT SHOWER 107	I
I	90 - WALK-IN FREEZER REACH-IN DOORS	1080		20A-1P**	11	C	12	20A-1P		1250	RECEPT SHOWER 106	I
I	5 - WALK-IN BEVERAGE COOLER REACH-IN DOORS	1080		20A-1P**	13	A	14	20A-1P		1060	LIGHTS SHOWERS	C
I	5 - WALK-IN BEVERAGE COOLER REACH-IN DOORS	1620		20A-1P**	15	B	16				SPACE	
I	4 & 89 -WIC & WIF BEVERAGE DOOR HEATERS (3A)	720		20A-1P	17	C	18				SPACE	
I	18 - FLAT SCREEN TV	360		20A-1P	19	A	20				SPACE	
I	RECEPT SHOWER 105	1250		20A-1P	21	B	22				SPACE	
I	RECEPT SHOWER 104	1250		20A-1P	23	C	24				SPACE	
I	63 - 30LB WASHER EXTRACTOR	480		20A-1P**	25	A	26				SPACE	
		480			27	B	28				SPACE	
I	RECEPT WOMEN	1250		20A-1P**	29	C	30				SPACE	
I	RECEPT MEN	1250		20A-1P**	31	A	32				SPACE	
I	RECEPT MAINTENANCE ROOF	540		20A-1P	33	B	34				SPACE	
I	EF-1, EF-2, EF-3	360		20A-1P	35	C	36				SPACE	
I	EF-4, EF-5, EF-6	360		20A-1P	37	A	38				SPACE	
	SPACE				39	B	40				SPACE	
	SPACE				41	C	42				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "HB"

6/29/2023

LOCATION: ELECTRICAL RM — NEMA: 3R — PHA WEIGHTED VA 27830
VOLTS: 277/480 — FEED: TOP — PHB WEIGHTED VA 29820
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 29030
INTERRUPT: 65KAIC — BUS RATING: 225A — LARGEST MOTOR 25%VA 1590
OPTIONS: — MAIN: CB — EQUIP SIZING VA 88270
MAIN RATING: 225A — PANEL AMPS 106

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
C	LIGHTS EMERGENCY, EXIT AND EGRESS	200		20A-1P	1	A	2				SPACE	
C	LIGHTS ZONE 4, 8 & 9	1300		20A-1P	3	B	4				SPACE	
C	LIGHTS ZONE 10, 11 & 17	850		20A-1P	5	C	6				SPACE	
I	71-HAND DRYER	1500		15A-1P**	7	A	8				SPACE	
I	71-HAND DRYER	1500		15A-1P**	9	B	10				SPACE	
I	71-HAND DRYER	1500		15A-1P**	11	C	12				SPACE	
I	71-HAND DRYER	1500		15A-1P**	13	A	14				SPACE	
I	71-HAND DRYER	1500		15A-1P**	15	B	16				SPACE	
I	71-HAND DRYER	1500		15A-1P**	17	C	18				SPACE	
	SPACE				19	A	20				SPACE	
I	71-HAND DRYER	1500		15A-1P**	21	B	22				SPACE	
	SPACE				23	C	24				SPACE	
I	RTU-3	4710		25A-3P**	25	A	26	110A-3P		19920	TB(75KVA)/PANEL RB	
		4710			27	B	28			19310		
		4710			29	C	30			20470		

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RB"

6/28/2023

LOCATION: ELECTRICAL RM — NEMA: 1 — PHA WEIGHTED VA 19920
VOLTS: 120/208 — FEED: TOP — PHB WEIGHTED VA 19310
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 20470
INTERRUPT: 22KAIC — BUS RATING: 225A — LARGEST MOTOR 25%VA 220
OPTIONS: — MAIN: CB — EQUIP SIZING VA 59920
MAIN RATING: 225A — PANEL AMPS 166

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	15 - BITCOIN ATM	180		20A-1P**	1	A	2	20A-1P**		690	98 - FRYER 45 50LBS W/FILTER	I
I	46- LOTTO SPLIT STAND / 47- LOTTO SCANNER	360		20A-1P**	3	B	4	20A-1P**		670	14 - BOILED PEANUTS	I
I	45 - ATM	180		20A-1P**	5	C	6	20A-1P**		1550	43 - UNDERCOUNTER MICROWAVE	I
I	RECEPT GENERAL	540		20A-1P	7	A	8	20A-1P**		1060	42 - HEATED MERCHANDISER	I
I	RECEPT ISO GND 11-ULTRA ONE & 19-PEGASUS POS	900		20A-1P	9	B	10	20A-1P**		1350	39 - ROLLER GRILL	I
I	22 - FAX/COPY MACHINE	180		20A-1P	11	C	12	20A-1P**		1350	39 - ROLLER GRILL	I
I	23 - SOWER COMPUTER POS	450		20A-1P**	13	A	14	20A-1P**		1000	83 - REFRIGERATED OPEN AIR ENDCAP MER.	I
I	24 & 26 - RECEPT WESTER UNION / SACALE	360		20A-1P	15	B	16			1000		
I	25 -RECEPT COMDATA PRINTER / CAT SCALE PRINTE	360		20A-1P**	17	C	18	20A-1P**		410	33 - ICED COFFEE	I
I	28 - RECEPT SMART SAFE	180		20A-1P**	19	A	20	20A-1P**		390	81 - COLD BREW COFFEE	I
I	96 - ICE BAGGING & DISPENSING SYSTEM	580		20A-1P**	21	B	22	20A-1P**		360	82 - ICE TEA DISPENSER	I
I	RECEPT POINT SALE	900		20A-1P**	23	C	24	20A-1P		720	18 - FLAT SCREEN TV	I
I	20, 21 & 30 RECEPT ISO GND POINT SALE	1350		20A-1P**	25	A	26	20A-1P**		580	34 - ICE AND POST MIX	I
I	RECEPT ISO GND POINT SALE	900		20A-1P**	27	B	28	20A-1P**		580	34 - ICE AND POST MIX	I
I	31 - SELF CHECKOUT	1500		20A-1P**	29	C	30	20A-1P**		2500	37 - 4 HEAD FROZEN CARBONATED BEVERAGE	I
I	31 - SELF CHECKOUT	1500		20A-1P**	31	A	32			2500		
I	9 - 2 SIDED OPENING COOLER	230		20A-1P**	33	B	34	20A-1P**		1500	36 - 2 HEAD FROZEN CARBONATED BEVERAGE	I
I	56 - CONVECTION OVEN TURBOCHEF	4800		50A-2P**	35	C	36			1500		
		4800			37	A	38	100A-3P**		4700	SUB-PANEL RB1	I
I	54 - 48" REFRIGERATED FOOD PREP TABLE	360		20A-1P**	39	B	40			10160		
I	98 - FRYER 45 50LBS W/FILTER	690		20A-1P**	41	C	42			3830		

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RB1"

6/28/2023

LOCATION: ELECTRICAL RM — NEMA: 1 — PHA WEIGHTED VA 4700
VOLTS: 120/208 — FEED: TOP — PHB WEIGHTED VA 10160
PHASE & WIRE: 3PH 4W — MTG: WALL — PHC WEIGHTED VA 3830
INTERRUPT: 22KAIC — BUS RATING: 100A — LARGEST MOTOR 25%VA 220
OPTIONS: — MAIN: LUGS — EQUIP SIZING VA 18910
MAIN RATING: 100A — PANEL AMPS 52

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	RECEPT EXTERIOR	360		20A-1P	1	A	2	20A-1P		1200	SIGN	C
I	RECEPT VESTIBULE	360		20A-1P	3	B	4	20A-1P		1200	SIGN	C
I	RECEPT ENTRANCE	360		20A-1P	5	C	6	20A-1P		1200	SIGN	C
I	10 - HEATED MERCHANDISER	1880		25A-2P**	7	A	8				SPACE	
		1880			9	B	10	20A-1P		1200	SIGN	C
I	RECEPT COUNT OFFICE & MANAGER OFFICE	600		20A-1P	11	C	12				SPACE	
I	RECEPT ISO GND OFFICE & MANAGER OFFICE	900		20A-1P	13	A	14				SPACE	
I	14 - RETHERMALIZER, WARMER - CHESTERS	1200		20A-1P	15	B	16	20A-1P		1200	SIGN	C
	SPACE				17	C	18				SPACE	
I	RECEPT GENERAL	360		20A-1P	19	A	20				SPACE	
I	65 - CENTRAL PRESSURE WASH SYSTEM	1670		20A-2P**	21	B	22				SPACE	
		1670			23	C	24				SPACE	
	SPACE				25	A	26				SPACE	
I	13 - CONVECTION OVEN - CHESTERS	1450		20A-1P	27	B	28				SPACE	
	SPACE				29	C	30				SPACE	
	SPACE				31	A	32				SPACE	
	SPACE				33	B	34				SPACE	
	SPACE				35	C	36				SPACE	
	SPACE				37	A	38				SPACE	
	SPACE				39	B	40				SPACE	
	SPACE				41	C	42				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

NOTE
ELECTRICAL CONTRACTOR MUST COMPLY WITH ALL 2020 NATIONAL ELECTRICAL & NEW MEXICO ELECTRICAL ADMINISTRATIVE CODES. NMAC

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER

EDeanda P.E.
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:06 PM
A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE
SCHEDULES & LOADS II

SCALE: N.T.S.

SHEET NO
E3.1

PANEL SCHEDULE "HC"

6/29/2023

LOCATION:	ELECTRICAL RM	NEMA:	3R	PHA WEIGHTED VA	31700
VOLTS:	277/480	FEED:	TOP	PHB WEIGHTED VA	27090
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	29210
INTERRUPT:	65KAIC	BUS RATING:	225A	LARGEST MOTOR 25%VA	1590
OPTIONS:		MAIN:	CB	EQUIP SIZING VA	89590
		MAIN RATING:	225A	PANEL AMPS	108

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
C	LIGHTS EMERGENCY, EXIT, & EGRESS	100		20A-1P	1	A	2				SPACE	
C	LIGHTS ZONE 5,6,7 & 18	2180		20A-1P	3	B	4				SPACE	
C	LIGHTS ZONE 12, 13, 14, 15 & 16	1180		20A-1P	5	C	6				SPACE	
C	LIGHTS EMPLOYEES, STORAGE, STORE & SBARRO'S	1410		20A-1P	7	A	8				SPACE	
C	LIGHTS ELECTRICAL, FREEZER & COOLER	400		20A-1P	9	B	10				SPACE	
	SPACE				11	C	12				SPACE	
	SPACE				13	A	14				SPACE	
	SPACE				15	B	16				SPACE	
	SPACE				17	C	18				SPACE	
I	RTU-4	6090		30A-3P**	19	A	20				SPACE	
		6090			21	B	22				SPACE	
		6090			23	C	24				SPACE	
I	RTU-5	6090		30A-3P**	25	A	26	110A-3P		18010	TC(75KVA)/PANEL RC	
		6090			27	B	28			12330		
		6090			29	C	30			15850		

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "HD"

6/29/2023

LOCATION:	ELECTRICAL RM	NEMA:	1	PHA WEIGHTED VA	6120
VOLTS:	277/480	FEED:	TOP	PHB WEIGHTED VA	6710
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	6220
INTERRUPT:	65KAIC	BUS RATING:	100A	LARGEST MOTOR 25%VA	220
OPTIONS:		MAIN:	CB	EQUIP SIZING VA	19270
		MAIN RATING:	100A	PANEL AMPS	23

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
C	LIGHTS EMERGENCY, EXIT, & EGRESS	300		20A-1P	1	A	2				SPACE	
C	LIGHTS WENDYS	890		20A-1P	3	B	4				SPACE	
C	LIGHTS WENDYS	400		20A-1P	5	C	6				SPACE	
	SPACE				7	A	8				SPACE	
	SPACE				9	B	10				SPACE	
	SPACE				11	C	12				SPACE	
	SPACE				13	A	14				SPACE	
	SPACE				15	B	16				SPACE	
	SPACE				17	C	18				SPACE	
	SPACE				19	A	20				SPACE	
	SPACE				21	B	22				SPACE	
	SPACE				23	C	24				SPACE	
I	RTU-6	5820		25A-3P**	25	A	26				SPACE	
		5820			27	B	28				SPACE	
		5820			29	C	30				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RC"

6/28/2023

LOCATION:	ELECTRICAL RM	NEMA:	1	PHA WEIGHTED VA	18010
VOLTS:	120/208	FEED:	TOP	PHB WEIGHTED VA	12330
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	15850
INTERRUPT:	22KAIC	BUS RATING:	225A	LARGEST MOTOR 25%VA	220
OPTIONS:		MAIN:	CB	EQUIP SIZING VA	46410
		MAIN RATING:	225A	PANEL AMPS	129

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	49-WIF-2 - STEP-IN FREEZER CONDENSING UNIT	2760		30A-3P**	1	A	2	20A-1P		360	RECEPT SEATING	I
		2760			3	B	4	20A-1P		500	FIRE ALARM	I
		2760			5	C	6	20A-2P**		1680	470 - PIZZA MIXER	I
I	50-STEP-IN FREEZER COIL FAN	1020		15A-2P**	7	A	8			1680		
		1020			9	B	10	20A-1P		360	RECEPT ISO GND COMM	I
I	52-WIC-6 - STEP-IN COOLER CONDENSING UNIT	1150		30A-3P**	11	C	12	20A-1P		360	RECEPT MAINTENANCE	I
		1150			13	A	14	20A-1P		720	48&51 -WIC & WIF BEVERAGE DOOR HEATERS (3A)	I
		1150			15	B	16	20A-1P		90	170, 760 & 200 PIZZA DISPLAY PACKGE	I
I	53-STEP-IN COOLER COIL FAN (VERIFY LOAD)	100		15A-1P**	17	C	18	20A-1P		540	RECEPT MAINTENANCE ROOF	I
I	470 - PIZZA MIXER	1680		20A-2P**	19	A	20	20A-3P**		1240	482.3 DROP IN HOT WELL	I
		1680			21	B	22			1240		
I	430 - BOLIERLESS STEAMER	4370		50A-2P**	23	C	24			1240		
		4370			25	A	26	20A-1P		180	EF-7	I
I	400 - CONVE OVEN	810		15A-1P**	27	B	28	20A-1P**		360	KH-1 LIGHT LOADS	I
I	410 - CONV OVEN	2400		30A-2P*	29	C	30				SPACE	
		2400			31	A	32				SPACE	
I	340 - REFRIGERATED PIZZA PREP	690		15A-1P*	33	B	34				SPACE	
I	700 - T.V. & SALE POINT	900		20A-1P	35	C	36				SPACE	
I	RECEPT ISO GND POINT SALE	450		20A-1P	37	A	38				SPACE	
I	486 - REGRIGERATED PIZZA PREP	1670		20A-1P	39	B	40				SPACE	
I	600 - POST-MIX ICE DRINK DISPENSER	350		20A-1P**	41	C	42				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RD"

6/28/2023

LOCATION:	ELECTRICAL RM	NEMA:	1	PHA WEIGHTED VA	28400
VOLTS:	120/208	FEED:	TOP	PHB WEIGHTED VA	30100
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	26980
INTERRUPT:	22KAIC	BUS RATING:	400A	LARGEST MOTOR 25%VA	220
OPTIONS:		MAIN:	CB	EQUIP SIZING VA	85700
		MAIN RATING:	400A	PANEL AMPS	238

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	49-WIF-3 - STEP-IN FREEZER CONDENSING UNIT	2760		30A-3P**	1	A	2	20A-1P**		1840	W-10 - CIRCUIT 1	I
		2760			3	B	4	30A-1P**		2460	W-10 - CIRCUIT 2	I
		2760			5	C	6	20A-1P**		1230	W-10 - CIRCUIT 3	I
I	50 - STEP-IN FREEZER COIL FAN	1020		15A-2P**	7	A	8	30A-1P**		2300	W-10 - CIRCUIT 4	I
		1020			9	B	10	20A-1P**		1410	W-11 - 3 BAY FRY ASSEMBLY	I
I	2-WIC-7 -WALK-IN BEVERAGE COOLER CONDENSING	1150		30A-3P**	11	C	12	20A-1P**		1000	W-21 - RACH IN-FREEZER (1DOOR)	I
		1150			13	A	14	30A-3P**		2300	W-14B - COMBI & HIGH SPEED OVEENS	I
		1150			15	B	16			2300		
I	STEP-IN COOLER COIL FAN	100		15A-1P**	17	C	18			2300		
I	WIC & WIF BEVERAGE DOOR HEATERS (3A)	720		20A-1P**	19	A	20	40A-2P**		2850	W-14A - COMBI & HIGH SPEED OVEENS	I
I	W-32(a) - WAREWASH - LOW TEMP, LIQUID CHEMIC	1920		25A-1P**	21	B	22			2850		
I	W-33 30" ICE MACHINE	1470		20A-1P**	23	C	24	20A-1P		900	RECEPT ISO GND POS	I
I	W-23 BACON MODULE	800		20A-1P**	25	A	26	20A-1P**		800	W-03 - REACH IN-REFRIGERATOR W/DRAWERS	I
I	W-27 - TEA BREWER	1500		20A-1P**	27	B	28	30A-2P**		1980	W-04 - FROSTY MACHINE (DOBLE)	I
I	W28 - MEATWELL	550		20A-1P**	29	C	30			1980		
I	W-17 - WARMING CABINET	650		20A-1P**	31	A	32	20A-1P		720	W-01 MENUBOARD (DIGITAL)	I
I	W-16 - HORIZONTAL TOASTER	1000		15A-2P**	33	B	34	20A-1P		360	RECEPT ENTRANCE & VESTIBULE	I
		1000			35	C	36	20A-1P		360	RECEPT EXTERIOR	I
I	W-15 - MPC (4 PAN)	800		20A-1P**	37	A	38	100A-3P**		9690	SUB-PANEL RD1	I
I	W-09 - V0105-CHILI WARMER	1440		20A-1P**	39	B	40			7950		
I	W-09 - V0105-CHILI WARMER	1440		20A-1P**	41	C	42			10740		

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

FUTURE FOR GAS PUMPS - PANEL SCHEDULE "HG"

6/29/2023

LOCATION:	ELECTRICAL RM	NEMA:	1	PHA WEIGHTED VA	0
VOLTS:	277/480	FEED:	TOP	PHB WEIGHTED VA	0
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	0
INTERRUPT:	65KAIC	BUS RATING:	225A	LARGEST MOTOR 25%VA	0
OPTIONS:	PER NEC 514	MAIN:	CB	EQUIP SIZING VA	0
		MAIN RATING:	225A	PANEL AMPS	0

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
	SPACE				1	A	2				SPACE	
	SPACE				3	B	4				SPACE	
	SPACE				5	C	6				SPACE	
	SPACE				7	A	8				SPACE	
	SPACE				9	B	10				SPACE	
	SPACE				11	C	12				SPACE	
	SPACE				13	A	14				SPACE	
	SPACE				15	B	16				SPACE	
	SPACE				17	C	18				SPACE	
	SPACE				19	A	20				SPACE	
	SPACE				21	B	22				SPACE	
	SPACE				23	C	24				SPACE	
	SPACE				25	A	26				SPACE	
	SPACE				27	B	28				SPACE	
	SPACE				29	C	30				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

PANEL SCHEDULE "RD1"

6/28/2023

LOCATION:	ELECTRICAL RM	NEMA:	1	PHA WEIGHTED VA	9690
VOLTS:	120/208	FEED:	TOP	PHB WEIGHTED VA	7950
PHASE & WIRE:	3PH 4W	MTG:	WALL	PHC WEIGHTED VA	10740
INTERRUPT:	22KAIC	BUS RATING:	100A	LARGEST MOTOR 25%VA	220
OPTIONS:	PER NEC 514	MAIN:	LUGS	EQUIP SIZING VA	28600
		MAIN RATING:	100A	PANEL AMPS	79

I/C/F	DESCRIPTION	LOAD(VA)	WIRE*	BKR	CIR	Ø	CIR	BKR	WIRE*	LOAD(VA)	DESCRIPTION	I/C/F
I	W-70 - SMART SAFE	180		20A-1P**	1	A	2	20A-1P**		230	W-08 - REACH INREFRIGERATOR (1DOOR)	I
I	RECEPT OFFICE	720		20A-1P	3	B	4	20A-1P		180	RECEPT MAINTENANCE ROOF	I
I	RECEPT ISO GND OFFICE	450		20A-1P	5	C	6				SPACE	
I	RECEPT SCREEN	720		20A-1P	7	A	8	25A-2P**		800	KEF-1	I
I	RECEPT SALE POINT	900		20A-1P	9	B	10			800		
I	W-20 COOK CENTER / MEAT REFRIGERATOR	800		15A-1P**	11	C	12	20A-2P**		570	KSF-1	I
I	W-20(a) MICROWAVE - MEDIUM DUTY	1000		15A-1P**	13	A	14			570		
I	W-76 DOUBLE SIDEN GILL	1150		15A-2P**	15	B	16	30A-2P**		920	KEF-2	I
		1150			17	C	18			920		
I	W-05.1 STACKED BREWER COFFEE	1440		20A-1P**	19	A	20	15A-2P**		420	KSF-2	I
I	W-05.2 TEA BREWER	1700		20A-1P**	21	B	22			420		
I	W-22 PUW BEVERAGE SYSTEM - COKE	1000		20A-1P**	23	C	24	30A-2P**		920	KEF-3	I
	SPACE				25	A	26			920		
	SPACE				27	B	28	25A-2P**		800	KSF-3	I
I	WH-5	3050		40A-2P**	29	C	30			800		
		3050			31	A	32	20A-1P**		360	KH-1 LIGHT LOADS	I
	SPACE				33	B	34	20A-1P**		360	KH-1 LIGHT LOADS	I
I	RECEPT GENERAL	1080		20A-1P	35	C	36				SPACE	
	SPACE				37	A	38				SPACE	
	SPACE				39	B	40				SPACE	
	SPACE				41	C	42				SPACE	

*USE OF A DIFFERENT WIRE AND ADEQUATE CONDUIT BASED ON VOLTAGE DROP CALCULATIONS, INSTEAD OF WIRES LISTED IN CONDUIT AND WIRE SCHEDULE.

**VERIFY EQUIPMENT ACTUAL RATING AND/OR REQUIREMENTS TO PROPERLY SIZE CIRCUIT BREAKER PER MANUFACTURER RECOMMENDATIONS.

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EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
Deanda P.E.
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
01/23/2024 3:18:06 PM
A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN	
CHECKED	
PROJECT NO	EED-23027
DATE	6/30/2023

REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
SCHEDULES & LOADS III

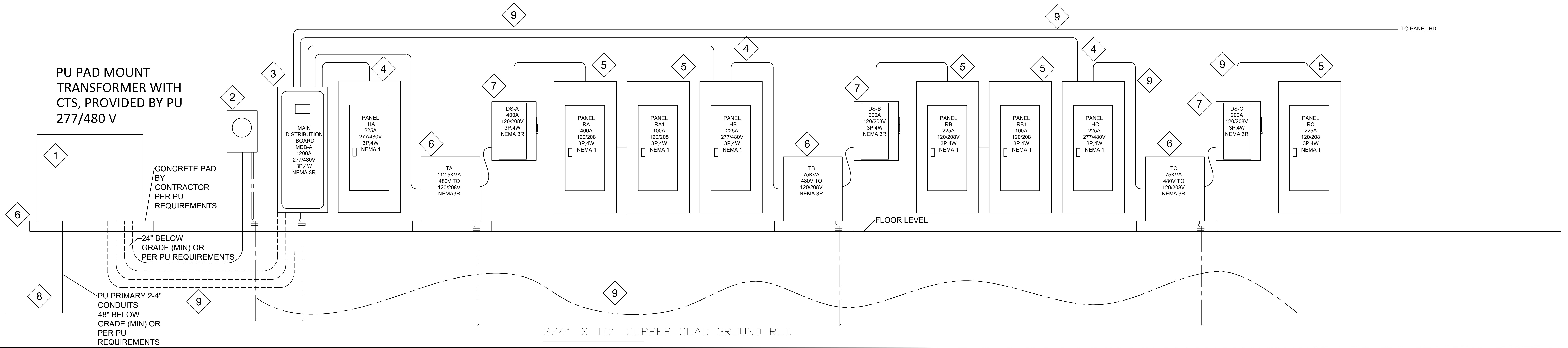
SCALE: N.T.S.

SHEET NO
E3.2

ELECTRICAL RISER DIAGRAM

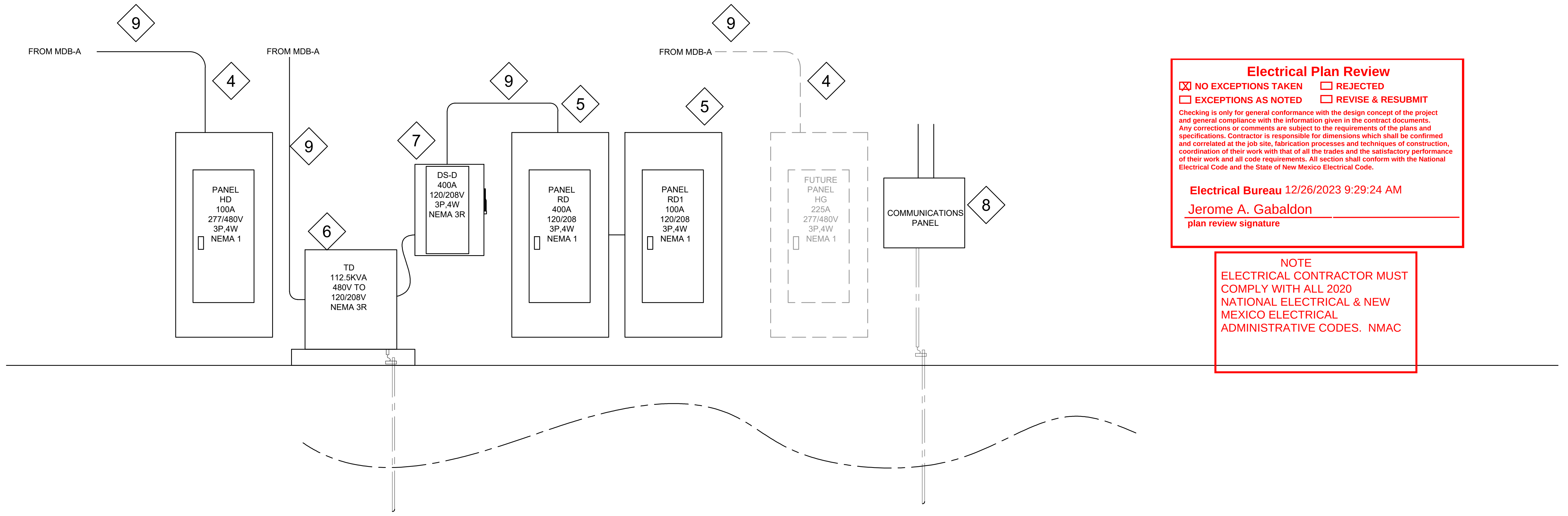
277/480V 3PH 4W

OUTDOOR
NEMA 3R


PU PAD MOUNT TRANSFORMER WITH CTS, PROVIDED BY PU 277/480 V
1
2
3
4
5
6
7
8
9
TO PANEL HD
CONCRETE PAD BY CONTRACTOR PER PU REQUIREMENTS
24" BELOW GRADE (MIN) OR PER PU REQUIREMENTS
PU PRIMARY 2-4" CONDUITS 48" BELOW GRADE (MIN) OR PER PU REQUIREMENTS
MAIN DISTRIBUTION BOARD MDB-A 1200A 277/480V 3P,4W NEMA 3R
PANEL HA 225A 277/480V 3P,4W NEMA 1
TA 112.5KVA 480V TO 120/208V NEMA3R
DS-A 400A 120/208V 3P,4W NEMA 3R
PANEL RA 400A 120/208 3P,4W NEMA 1
PANEL RA1 100A 120/208 3P,4W NEMA 1
PANEL HB 225A 277/480V 3P,4W NEMA 1
TB 75KVA 480V TO 120/208V NEMA 3R
DS-B 200A 120/208V 3P,4W NEMA 3R
PANEL RB 225A 120/208V 3P,4W NEMA 1
PANEL RB1 100A 120/208 3P,4W NEMA 1
PANEL HC 225A 277/480V 3P,4W NEMA 1
TC 75KVA 480V TO 120/208V NEMA 3R
DS-C 200A 120/208V 3P,4W NEMA 3R
PANEL RC 225A 120/208 3P,4W NEMA 1
FLOOR LEVEL
3/4" X 10' COPPER CLAD GROUND ROD

ELECTRICAL RISER DIAGRAM

277/480V 3PH 4W


9
FROM MDB-A
4
FROM MDB-A
9
FROM MDB-A
9
7
6
5
5
4
8
PANEL HD 100A 277/480V 3P,4W NEMA 1
TD 112.5KVA 480V TO 120/208V NEMA 3R
DS-D 400A 120/208V 3P,4W NEMA 3R
PANEL RD 400A 120/208 3P,4W NEMA 1
PANEL RD1 100A 120/208 3P,4W NEMA 1
FUTURE PANEL HG 225A 277/480V 3P,4W NEMA 1
COMMUNICATIONS PANEL

Electrical Plan Review

☒ NO EXCEPTIONS TAKEN ☐ REJECTED
☐ EXCEPTIONS AS NOTED ☐ REVISE & RESUBMIT

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Electrical Bureau 12/26/2023 9:29:24 AM

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NOTE
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KEYED NOTES:

1. POWER UTILITY (PU) SERVICE TO BE COORDINATED AT THE BEGINNING OF THE PROJECT. CONTRACTOR TO COMPLY WITH POWER UTILITY REQUIREMENTS AND INSTALLATION COST. CONDUITS TO BE CONCRETE ENCASED IN DRIVEWAYS AND PARKING LOT TRAFFIC AREAS.
2. METER COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
3. POWER DISTRIBUTION BOARD PDB -A
4. PANELS HA, HB, HC & HD. ADDITIONAL INFORMATION ON PANEL SCHEDULE.
5. PANEL RA, RA1, RB, RB1, RC, RC1, RD, & RD1 ADDITIONAL INFORMATION ON PANEL SCHEDULE.
6. STEP DOWN TRANSFORMERS
7. DISCONNECT SWITCH
8. COMMUNICATIONS PANEL AS REQUIRED BY UTILITY. COORDINATE SERVICE TO ALL UNITS.
9. SERVICE AND FEEDER WIRES & CONDUITS, REFER TO LOAD ANALYSIS SCHEDULE AND WIRE SCHEDULE.

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
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INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

28759
E. Deanda P.E.
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
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TUCUMCARI - TC
TUCUMCARI, NM

DRAWN	CHECKED	PROJECT NO	DATE
		EED-23027	6/30/2023

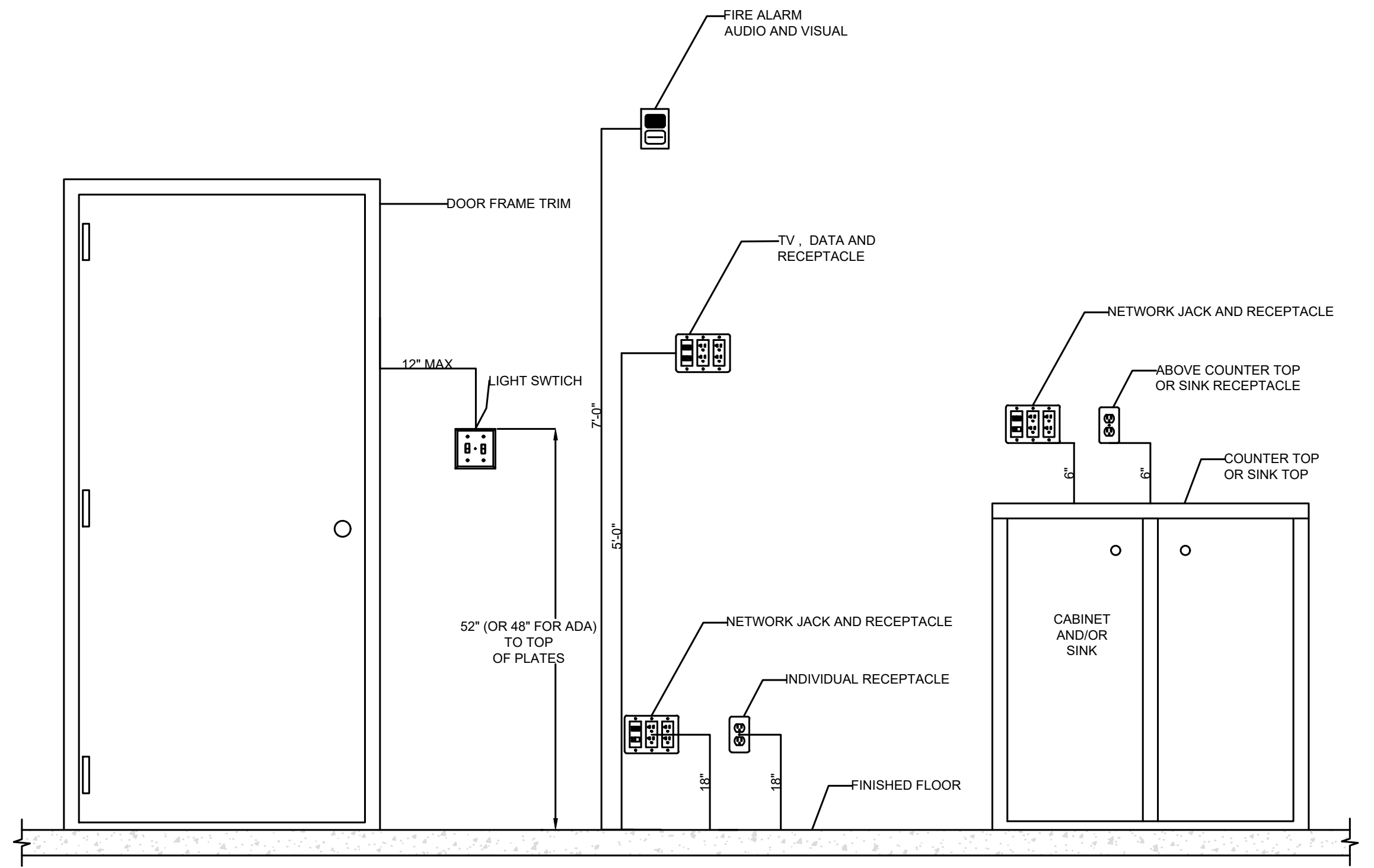
REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
TYPICAL DETAILS I

SCALE: N.T.S.

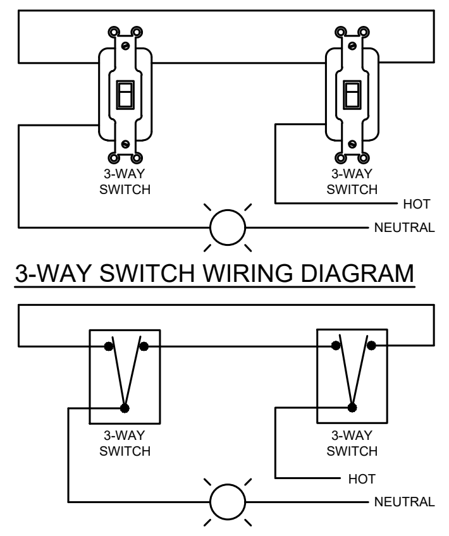
SHEET NO
E4.0



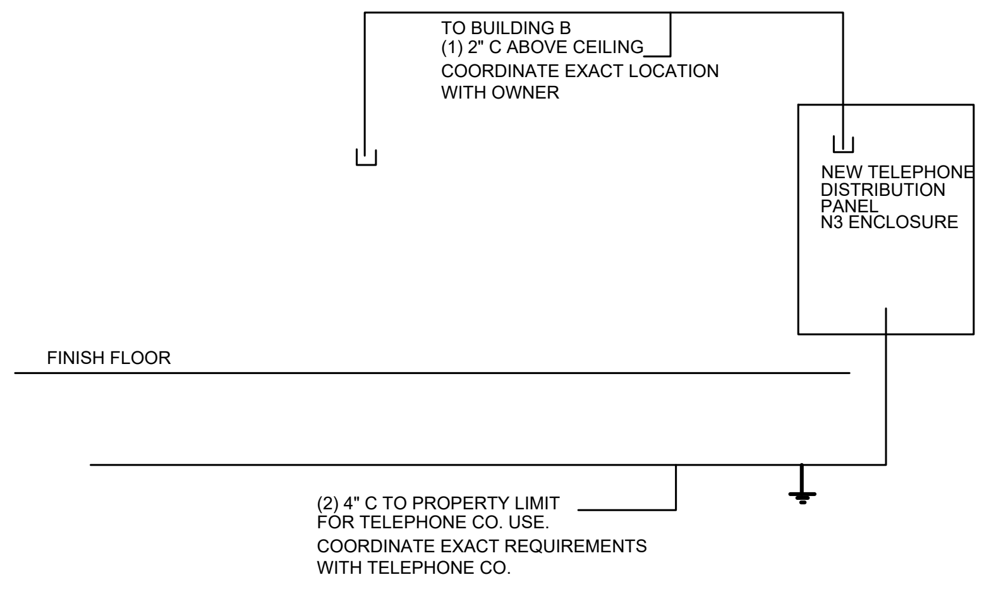
NOTES:

1. ALL SWITCHES AND RECEPTACLES SHALL BE EMBEDDED IN THE WALL UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

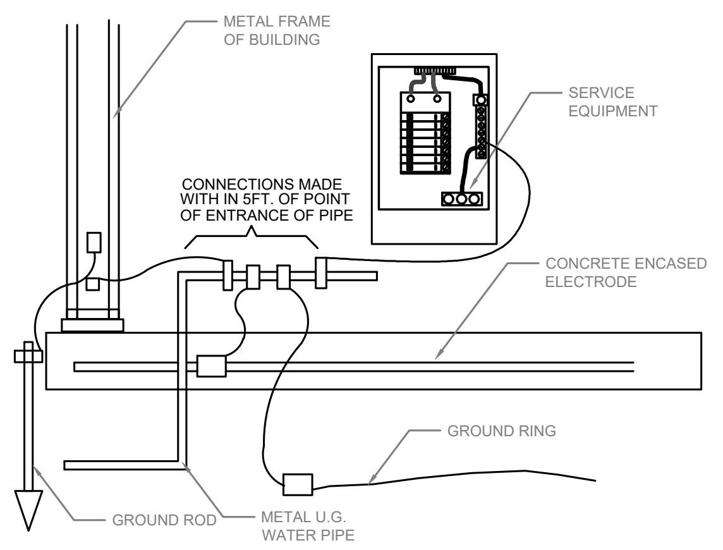
2 E TYP **OUTLETS AND DEVICES ELEVATION TYPICAL DETAILS**



3 E TYP **3-WAY SWITCH DIAGRAM**

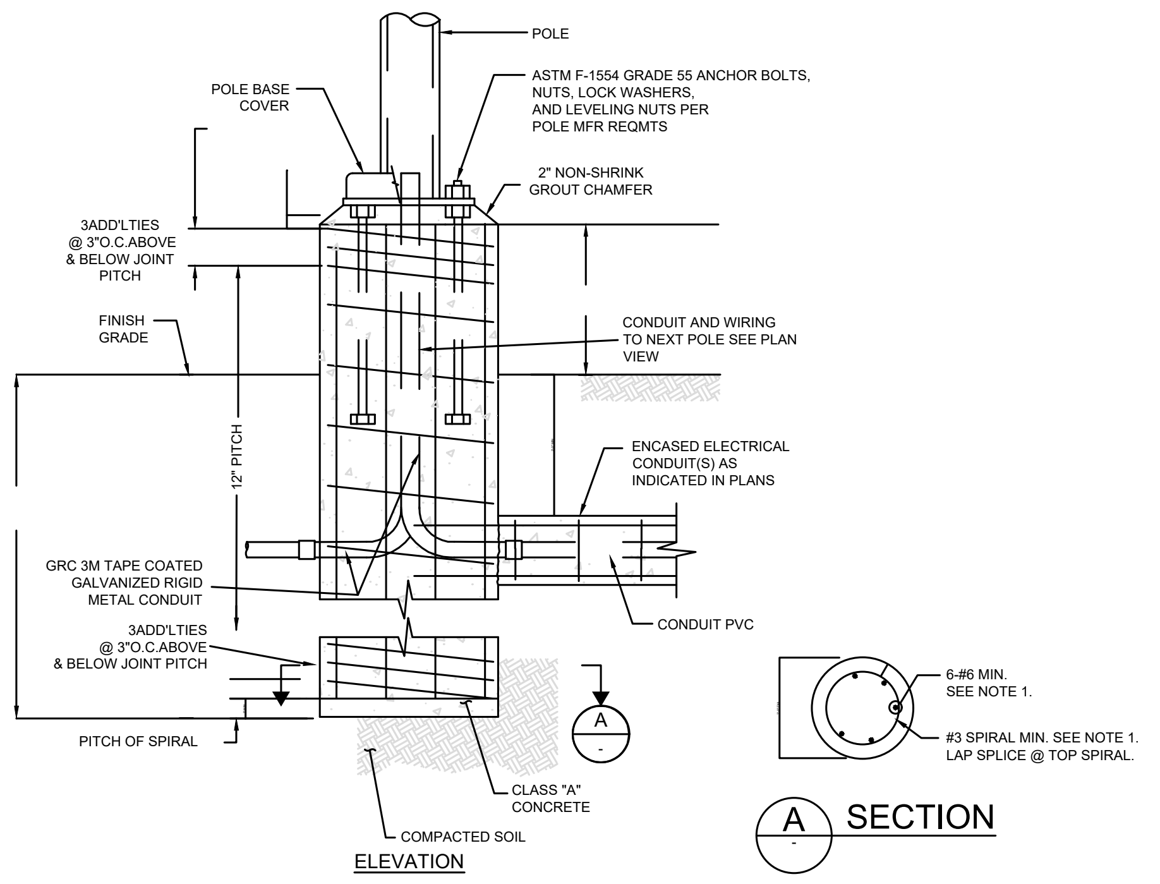


4 E TYP **TELEPHONE/DATA RISER DIAGRAM**



BOND INTERIOR METAL WATER PIPE, METAL UNDERGROUN WATER PIPE, BUILDING STEEL AND CONCRETE ENCASED ELECTRODE. BOND PER NEC 250.50, 250.52 & 250.53

5 E TYP **BUILDING GROUNDING DETAIL**



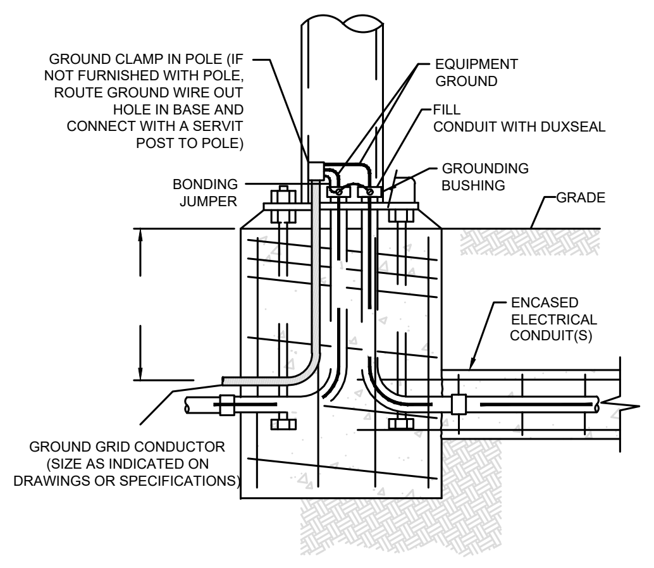
KEY NOTES:

INSTALL LUMINAIRES AS RECOMMENDED BY MANUFACTURER'S GUIDELINES AND SUBMITTED INSTALLATION CALCULATIONS TO MEET WIND WITHSTAND RATINGS OF 100MPH. (CONSULT WITH A STRUCTURAL ENGINEER FOR REQUIRED DEPT)

POLES IN THE MIDDLE OF PARKING LOT AT 42 IN MIN, 60 IN MAX

TYP EM 053 **LUMINAIR POLE FOUNDATION**

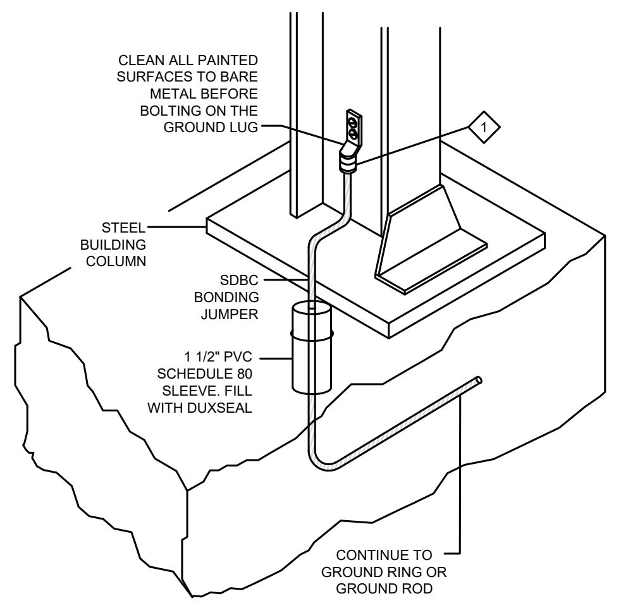
CONCRETE FOUNDATION REQUIRES GENERAL BUILDING PLAN REVIEW AND REQUIRES GB98 PERMIT



KEY NOTES:

AS INDICATED IN LIGHT POLE FOUNDATION DETAILS.

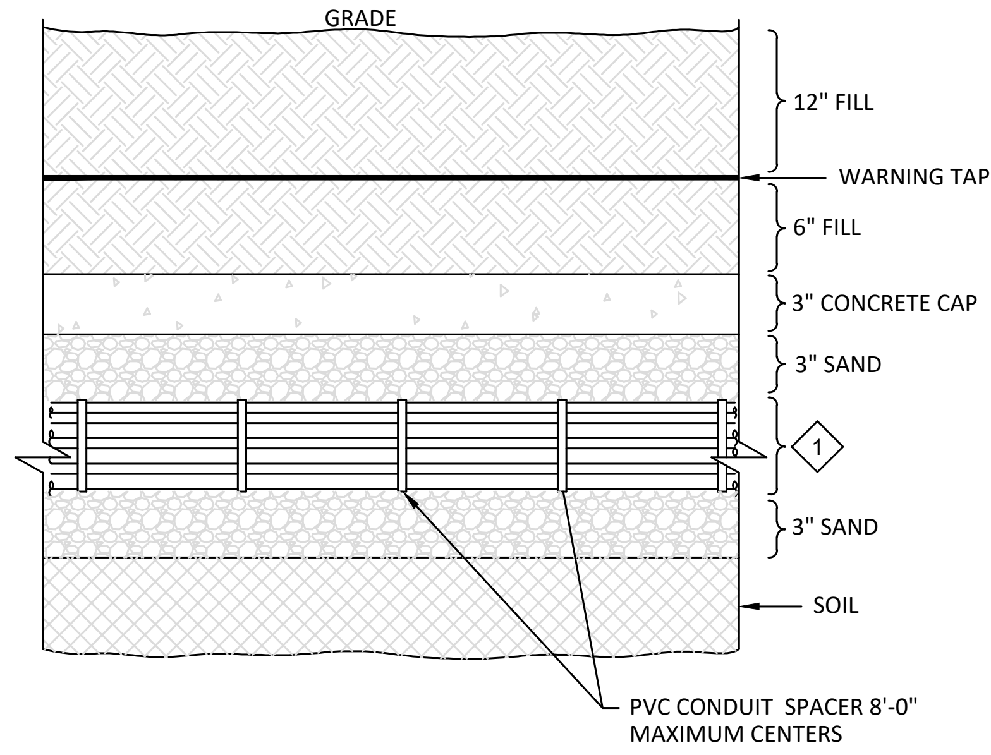
TYP EG 053 **LIGHT POLE GROUNDING INTERIOR**



KEY NOTES:

HEAVY DUTY COMPRESSION TERMINAL

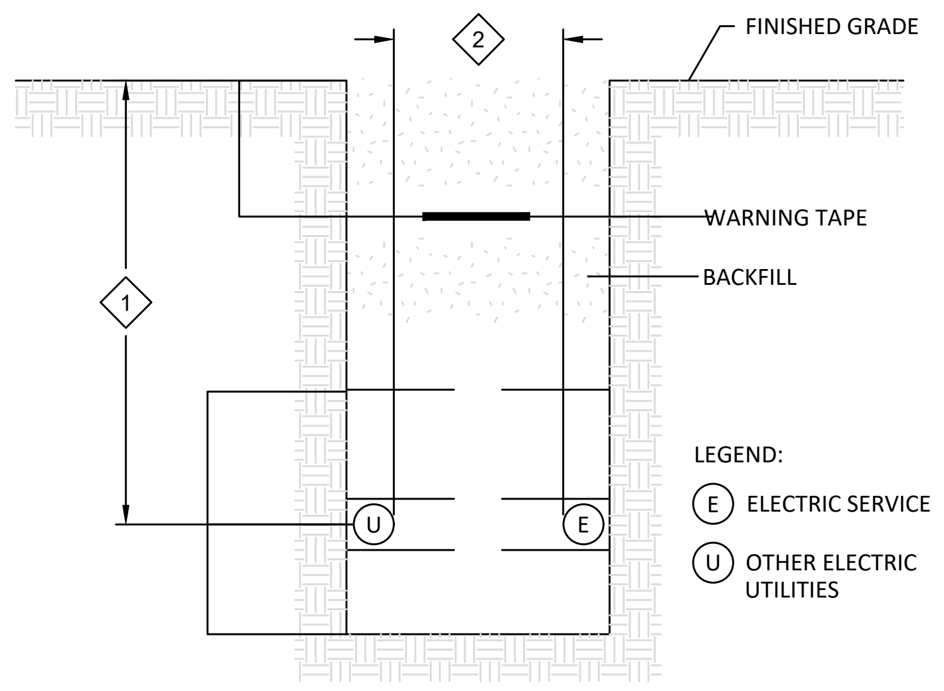
TYP EG 401 **BUILDING STRUCTURE GROUNDING**



KEY NOTES:

◇1 REFER TO DUCTBANK AND/OR CONDUIT SCHEDULES FOR CONDUIT REQUIREMENTS.

TYP EM 002 **SAND BEDDED DUCT BANK (FOR AREA LIGHTS)**

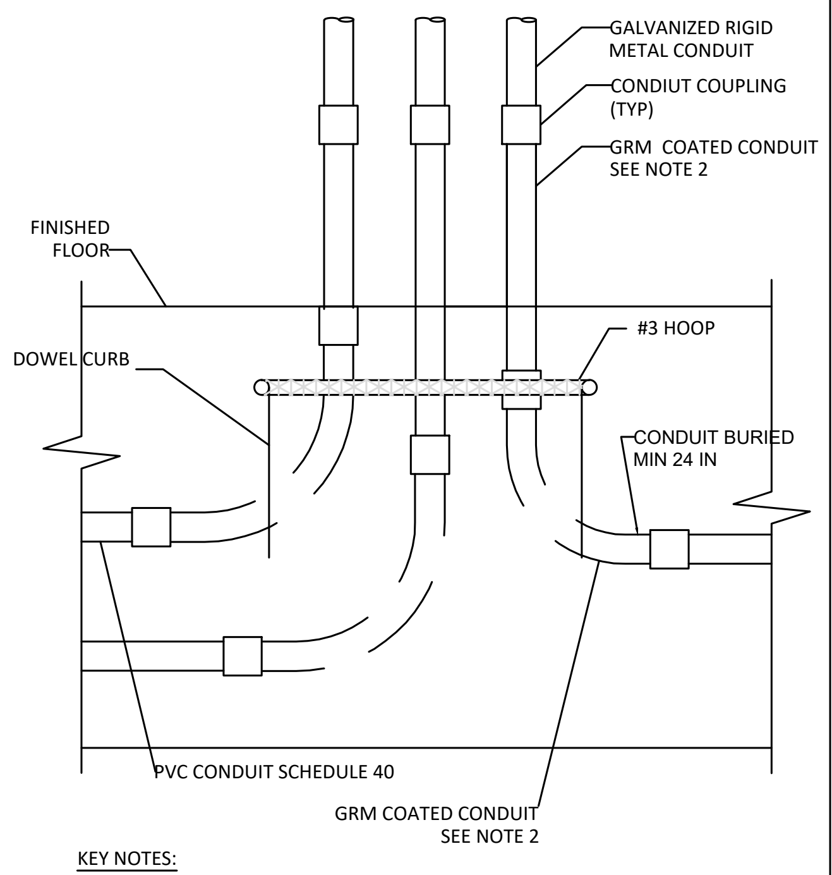


NOTES:

◇1 DIMENSIONS PER SERVING UTILITY REQUIREMENTS. MIN 24 INCHES TO THE TOP OF CONDUIT, VERIFY CLEARANCE TO ANY OTHER UTILITY FACILITIES. MODIFY AS REQUIRED TO MEET A 12" CLEARANCE TO WATER, SEWER, AND CABLE, AND 24" TO GAS.

◇2 MIN 12 INCHES WIDE

TYP EM 003 **TYPICAL UTILITY TRENCH DETAIL**



KEY NOTES:

◇1 COORDINATE REINFORCING STEEL REQUIREMENTS WITH THE GENERAL CONTRACTOR.

◇2 3M INSULATION COATING WITH 50% OVERLAP

TYP EM 011 **CONDUIT TRANSITION FROM BURIED TO EXPOSED**

KEY NOTES:

GROUNDING DETAILS REFER TO DETAIL EG611.GROUND ALL BUSHINGS TO GROUNDING BUS BAR WITH PROPER WIRE GAUGE ACCORDING TO NEC 250.

VIBRATION ISOLATORS

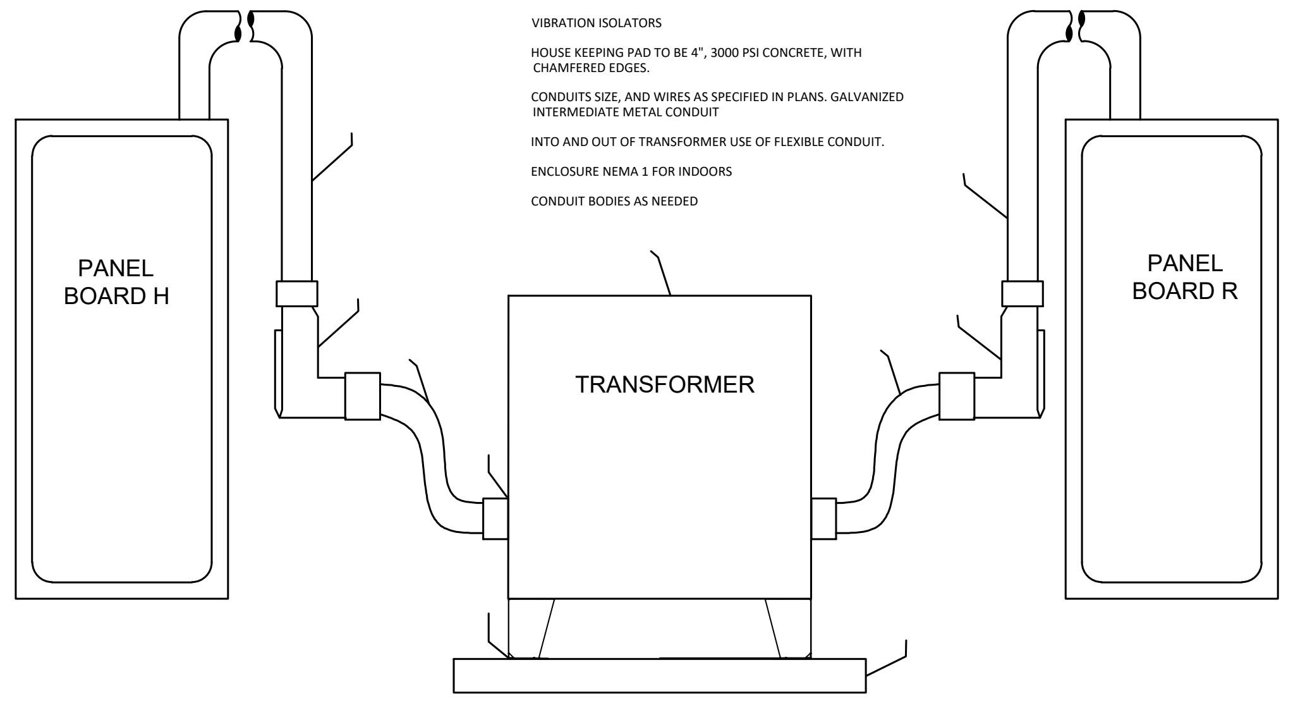
HOUSE KEEPING PAD TO BE 4", 3000 PSI CONCRETE, WITH CHAMFERED EDGES.

CONDUITS SIZE, AND WIRES AS SPECIFIED IN PLANS. GALVANIZED INTERMEDIATE METAL CONDUIT

INTO AND OUT OF TRANSFORMER USE OF FLEXIBLE CONDUIT.

ENCLOSURE NEMA 1 FOR INDOORS

CONDUIT BODIES AS NEEDED



TYP EM 455 **3-PHASE, 3 OR 4-WIRE NON-UTILITY DRY TYPE TRANSFORMER INSTALLATION DETAIL**

Electrical Plan Review

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☐ EXCEPTIONS AS NOTED ☐ REVISE & RESUBMIT

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EDGAR@EEDENGINEERINGINC.COM
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1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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EDGAR E. DEANDA
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TUCUMCARI - TC
TUCUMCARI, NM

DRAWN
CHECKED
PROJECT NO EED-23027
DATE 6/30/2023

REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
TYPICAL DETAILS II

SCALE: N.T.S.

SHEET NO
E4.1

ABBREVIATIONS

A

A	AIR (COMPRESSED)
ABV	ABOVE
AC	ABOVE CEILING
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

B

B	BOILER
BC	BELOW COUNTER
B/C	BACK OF CURB
BF	BELOW FLOOR
BFV	BUTTERFLY VALVE
BH	BOX HYDRANT
BLDG	BUILDING
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BT	BATH TUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

C	CELSIUS
CAB	CABINET
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CP	CIRCULATING PUMP
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CPI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CONC	CONCRETE, CONCENTRIC
CONN	CONNECTION
CONT	CONTINOUS,CONTINUATION
CONTR	CONTROLLER, CONTRACTOR
CRAC	COMPUTER ROOM A/C UNIT
CTR	CENTER
CU	COPPER
CW	COLD WATER

D

D	DEPTH, DRAIN, DRYER
DESIG	DESIGNATION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DS	DOWNSPOUT, DOUBLE SUCTON
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP

E

EA	EACH
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDF	ELECTRIC DRINKING FOUNTAIN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPTMENT
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EXT	EXTERNAL
EXTG	EXISTING

F

F	FARENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATON
FD	FLOOR DRAIN, FIRE DAMPER
FDSC	FIRE DEPARTMENT SIAMESE CONNECTION
FDV	FIRE DEPARTMENT VALVE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FIXT	FIXTURE
FLEX	FLEXIBLE
FL	FLOW LINES
FLR	FLOOR
FP	FIRE PUMP
FRZR	FREEZER
FS	FLOW SWITCH, FIRE SPRINKLER
FS	FLOOR SINK
FT	FOOT, FEET
FUT	FUTURE

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GLV	GLOBE VALVE
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE

H

HB	HOSE BIBB
HD	HEAD, HUB DRAIN
HORIZ	HORIZONTAL
HP	HORSEPOWER
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPLIT CASE
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INSUL	INSULATION
INT	INTERNAL, INTERIOR
IW	INDIRECT WASTE

J

K

KEC	KITCHEN EQUIPTMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT- AMPS
KW	KILOWATT

L

L	LENGTH, LAVATORY
LAV	LAVATORY
LF	LINEAR FEET
LT	LINT
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWCO	LOW WATER CUT OFF

M

MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED
MU	MAKE-UP

N

N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OFCU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OPEN STEM AND YOLK
O	MEDICAL OXYGEN

P

P	PUMP, PLUMBING EQUIPTMENT
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP, PLANTER DRAIN
PH	PHASE, POST HYDRANT
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL

P

PNTH	PENTHOUSE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRI	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

RCP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE,REFER
RECIRC	RECIRCULATE
RED	REDUCER
REFR	REFRIGERATOR
REINF	REININGFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

SCHED	SCHEDULED
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SK	SINK
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	SERVICE SINK
SSD	SUBSURFACE DRAIN
SSFU	SANITARY SEWER FIXTURE UNITS
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT
SW	SOFT WATER
SOV	SHUT-OFF VALVE

T

TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TH BLK	THRUST BLOCK
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TYP	TYPICAL

U

U	URINAL
UCD	UNDER CUT DOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
U/F	UNDERFLOOR
U/S	UNDERSLAB

V

V	VOLT, VENT
VAC	VACUUM(MEDICAL)
VB	VALVE BOX, VACUUM BREAKER
VCP	VITRIFIED CLAY PIPE
VEL	VELOCITY
VERT	VERTICAL
VIB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VTR	VENT THRU ROOF

W

W	WATT, WASTE, WIDTH, WASHER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATERTIGHT, WEIGHT

Y

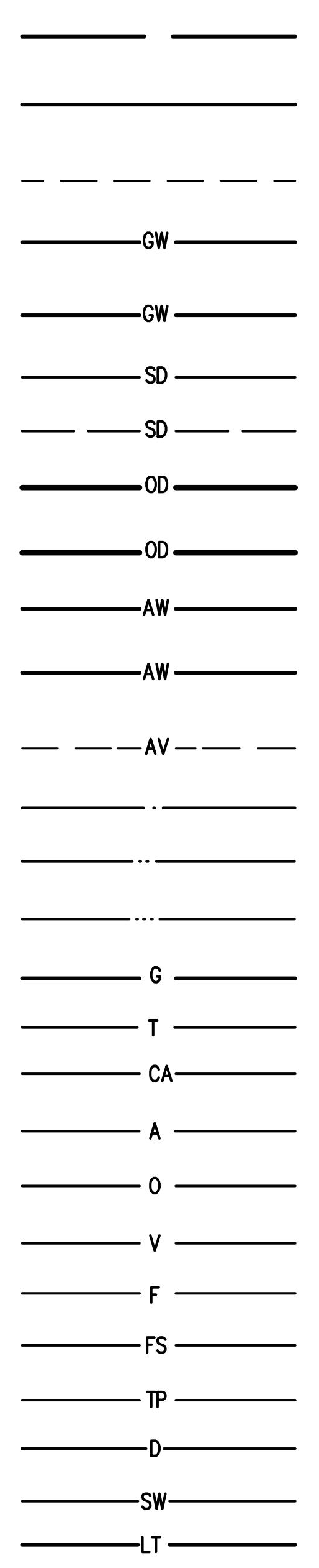
Y	YARD HYDRANT

Z

Z	ZONE

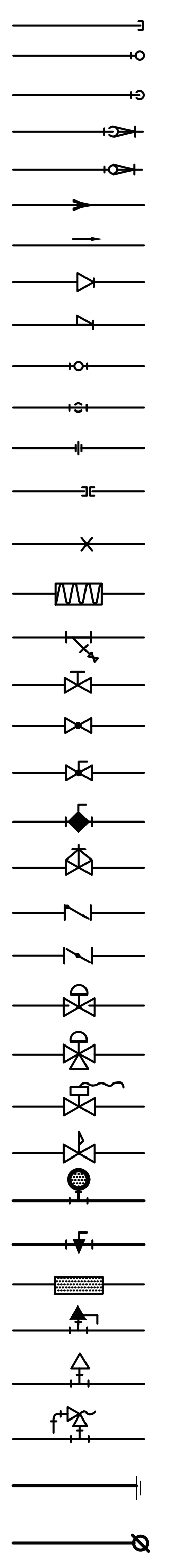
SYMBOLS

PLUMBING SYSTEMS



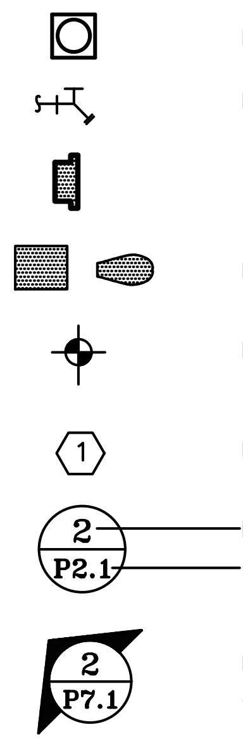
- SANITARY DRAIN BELOW FLOOR
- SANITARY DRAIN ABOVE FLOOR
- SANITARY VENT
- GREASE WASTE(ABOVE CEILING)
- GREASE WASTE(BELOW FLOOR)
- STORM DRAIN(ABOVE CEILING)
- STORM DRAIN(BELOW FLOOR)
- OVERFLOW DRAIN(ABOVE CEILING)
- OVERFLOW DRAIN(BELOW FLOOR)
- ACID WASTE(ABOVE CEILING)
- ACID WASTE(BELOW FLOOR)
- ACID VENT(ABOVE CEILING OR BELOW FLOOR)
- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATION
- NATURAL GAS
- TEMPERED WATER
- COMPRESSED AIR
- MEDICAL AIR
- MEDICAL OXYGEN
- MEDICAL VACUUM
- FIRE STANDPIPE, FIRE LINE
- WET AUTOMATIC FIRE SPRINKLER
- TRAP PRIMER
- DRAIN LINE
- SOFT WATER
- LINT WASTE

PIPING FITTINGS



- CAP ON END OF PIPE
- ELBOW UP
- ELBOW DOWN
- VALVE IN DROP
- VALVE IN RISE
- DIRECTION OF FLOW
- DIRECTION OF SLOPE DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- TEE OUTLET UP
- TEE OUTLET DOWN
- UNION
- FLANGE
- PIPE ANCHOR
- EXPANSION JOINT
- STRAINER WITH BLOWDOWN VALVE
- GATE VALVE, HVAC BALANCING/STOP VALVE
- GLOBE VALVE
- BALL VALVE
- BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
- OS&Y VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- TWO-WAY MODULATING CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS REGULATOR
- GAS COCK
- SPRINKLER FLOOR CONTROL STATION
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- T&P RELIEF VALVE
- LINE CLEANOUT/ WALL CLEANOUT
- FLOOR CLEANOUT

MISCELLANEOUS



- DRAIN(TYPE AND SIZE AS NOTED ON PLANS)
- HOSE BIBB
- WALL HYDRANT
- PLUMBING FIXTURES
- POINT OF NEW CONNECTION TO EXISTING PIPING
- PLUMBING DRAWING NOTE REFERENCE
- DETAIL NUMBER OR PLAN
- SHEET WHERE DETAIL OR PLAN IS SHOWN
- PLUMBING RISER DIAGRAM NUMBER
- SHEET WHERE PLUMBING RISER DIAGRAM IS SHOWN

GENERAL PLUMBING NOTES

A. SANITARY SEWER PIPING 2 1/2" AND SMALLER TO BE INSTALLED AT A 1/4" PER/FT SLOPE AND SANITARY SEWER PIPING 3" AND LARGER TO BE INSTALLED AT 1/8" PER/FT SLOPE.

B. GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL GAS CODE OR NFPA-54 WHERE REQUIREMENTS ARE MORE STRINGENT.

C. CONTRACTOR TO COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH ALL OTHER TRADES.

D. ALL EXISTING UTILITIES TO BE FIELD COORDINATION FOR EXISTING CONDITIONS TO CONNECT TO NEW PIPING AS SHOWN ON PLAN.

E. PROVIDE WATER HAMMER ARRESTERS SIOUX CHIEF "MINI-ARRESTER" OR EQUAL FOR ALL FAST ACTING VALVES.

F. PLUMBING SYSTEM DESIGNED BASED ON 2012 INTERNATIONAL PLUMBING CODE.

G. GAS SYSTEM DESIGNED BASED ON 2012 INTERNATIONAL FUEL AND GAS CODE.

H. PLUMBING CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND WITH ANY AUTHORITIES HAVING JURISDICTION.

I. ALL FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES SHALL BE MADE BY PLUMBING CONTRACTOR.

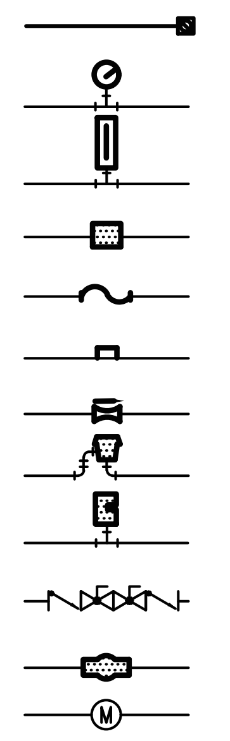
J. COORDINATE FLOOR DRAINS/SINKS WITH EQUIPMENT AND HOUSEKEEPING PADS PRIOR TO INSTALLATION. DO NOT PLACE FLOOR DRAINS/SINKS IN HOUSEKEEPING PAD OR UNDER ANY EQUIPMENT. LOCATE ALL FLOOR DRAINS/SINKS WITHIN 6" OF HOUSEKEEPING PAD OR EQUIPMENT.

K. REFER TO ARCHITECTURAL PLANS FOR FIXTURE ELEVATIONS AND FINAL LOCATIONS. PLUMBING PLANS ARE DIAGRAMMATIC AND MAY NOT REPRESENT LOCATIONS CORRECTLY.

L. ALL WALL CLEANOUTS SHALL BE ACCESSIBLE WITH ACCESS PANEL.

M. ALL DOMESTIC HOT AND COLD WATER BRANCHES LEADING TO SINGLE FIXTURES, OR FIXTURE BANKS, SHALL HAVE ISOLATION VALVES. INSTALL IN ACCESSIBLE LOCATION.

PIPING FITTINGS CONT.



- GRADE CLEANOUT
- PRESSURE GAUGE WITH GAUGE COCK
- THERMOMETER
- WATER METER
- FLEXIBLE CONNECTION
- PRESSURE AND TEMPERATURE TAP
- FLOW VENTURI
- VACUUM BREAKER
- VACUUM RELIEF VALVE
- BACKFLOW PREVENTOR
- CIRCULATING PUMP
- WATER SUB-METER

(NOT ALL ITEMS INDICATED APPLY TO THIS PROJECT)

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL,
& PLUMBING

EDGAR E. DEANDA
28759

EDeAnda P.E.
6/30/2023

REVIEWED -
GENERAL BUILDING
Chris Archuleta
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A-155698

TUCUMCARI - TC
TUCUMCARI, NM

DRAWN	
CHECKED	
PROJECT NO	EED-23027
DATE	6/30/2023

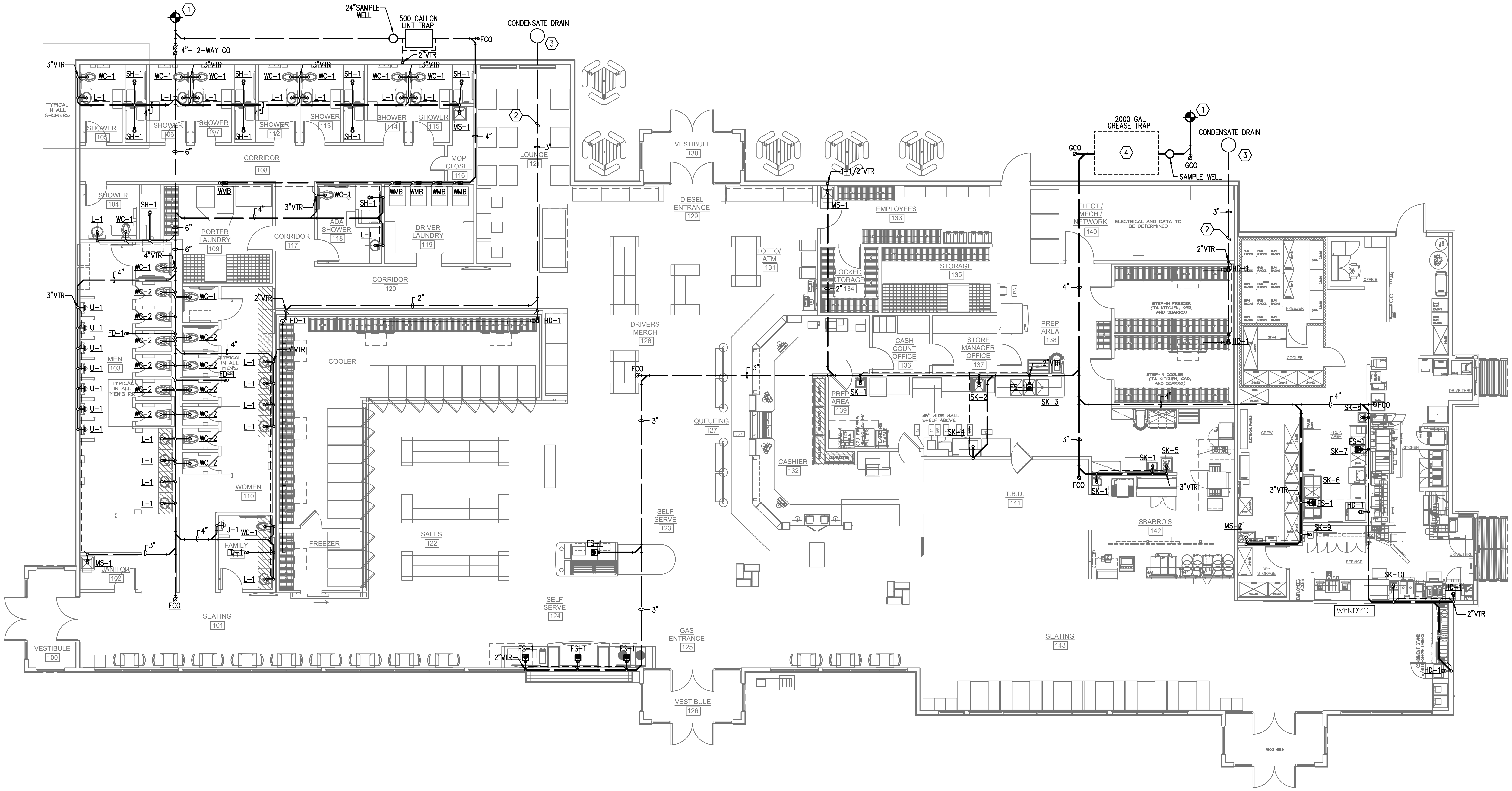
REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
PLUMBING
LEGEND

SCALE: N.T.S

SHEET NO
P0.0



① **PLUMBING SEWER FLOOR PLAN**
1/8" = 1'-0"

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
PROFESSIONAL ENGINEER
Edgar E. Deanda P.E.
6/30/2023

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Chris Archuleta
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SHEET TITLE
PLUMBING SEWER FLOOR PLAN

SCALE: 1/8" = 1'

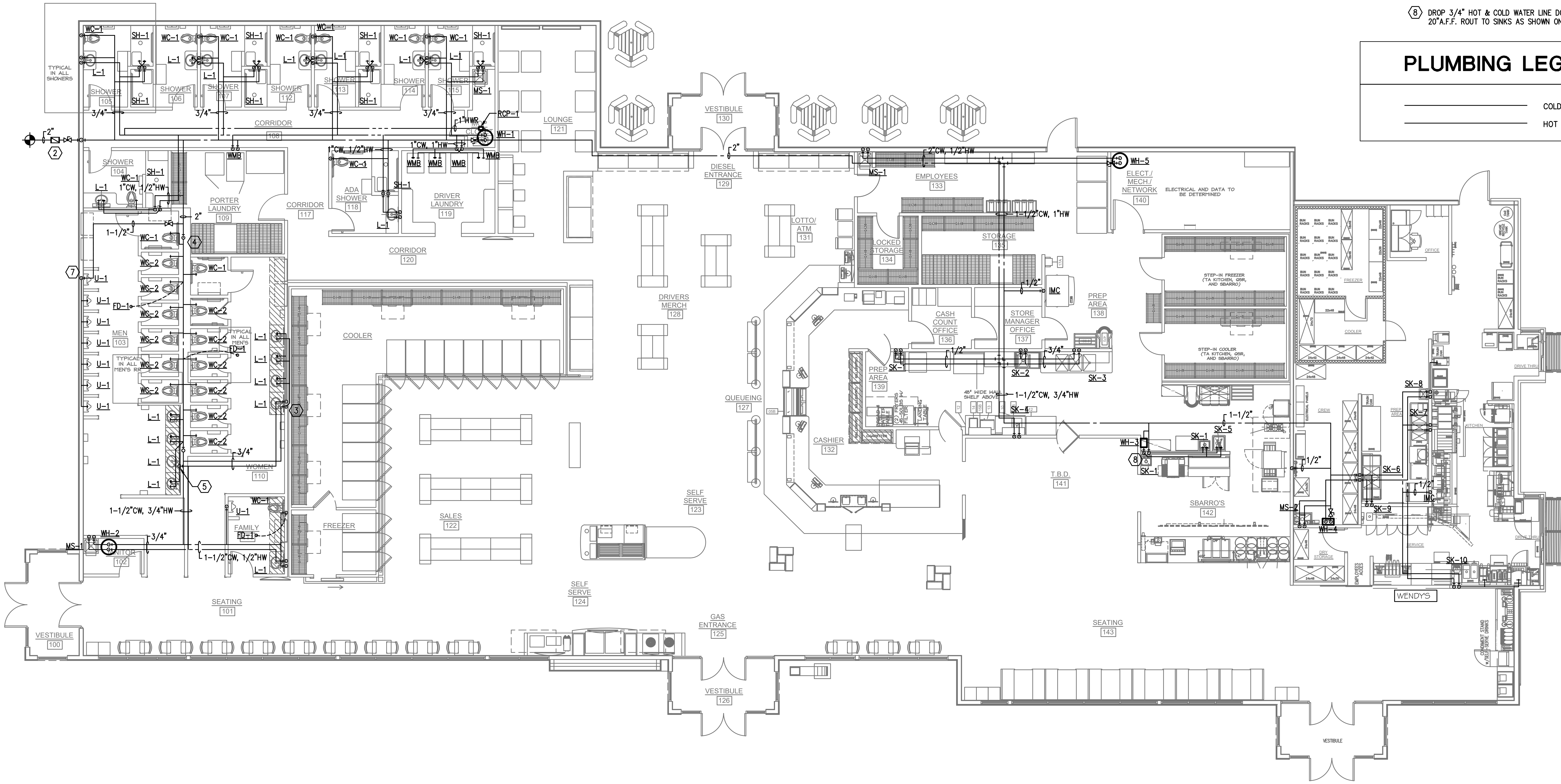
SHEET NO
P1.0

PLUMBING KEYED NOTES

1. CONNECT TO SITE WATER CONNECTION. CONTRACTOR SHALL FIELD COORDINATE PRIOR TO ANY ROUTING.
2. INSTALL REDUCED PRESSURE BACK FLOW PREVENTER SIMILAR TO ZURN MODEL #975XL MATCH TO SERVICE LINE SIZE. INSTALL IN ACCESSIBLE LOCATION FOR INSPECTION. INSTALL INSIDE BUILDING AT WATER ENTRY BEFORE BUILDINGS FIRST TAP TO PROVIDE TOTAL INTERNAL CONTAINMENT.
3. DROP 3/4" HOT & COLD WATER LINE TO 20"A.F.F AND ROUTE TO LAVATORIES AS SHOWN ON PLAN.
4. DROP 2" WATER LINE DOWN TO 48" A.F.F. ROUTE TO WATER CLOSETS AND LAVATORIES AS SHOWN ON PLAN.
5. DROP 3/4" HOT WATER LINE DOWN TO 20"A.F.F AND ROUTE TO LAVATORIES AS SHOWN ON PLAN.
6. 1-1/2" WATER LINE UP TO ABOVE CEILING, CONTINUE WATER LINE ROUTING AS SHOWN ON PLAN.
7. DROP 1-1/2" WATER LINE DOWN TO 48" A.F.F. ROUTE TO URINALS AS SHOWN ON PLAN.
8. DROP 3/4" HOT & COLD WATER LINE DOWN TO 20"A.F.F. ROUT TO SINKS AS SHOWN ON PLAN.

PLUMBING LEGEND

———	COLD WATER
———	HOT WATER



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

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
DeAnda P.E.
6/30/2023

REVIEWED -
GENERAL BUILDING
Chris Archuleta
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NO	DATE	DESCRIPTION

SHEET TITLE
PLUMBING WATER FLOOR PLAN

SCALE: 1/8" = 1'

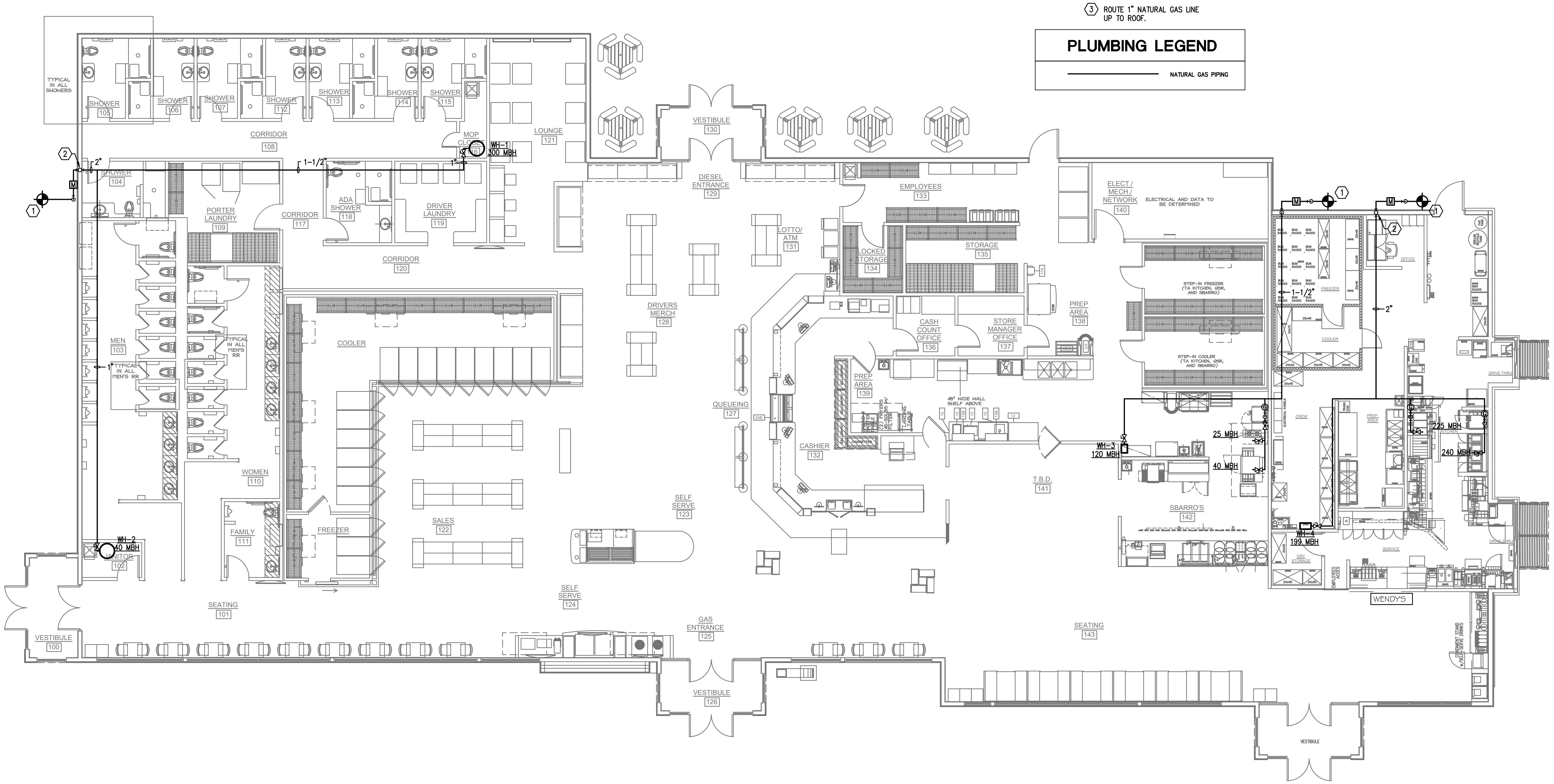
SHEET NO
P1.1

PLUMBING KEYED NOTES

1. CONNECT TO SITE NATURAL GAS LINE. REFER TO CIVIL PLANS.
2. ROUTE 1-1/2" NATURAL GAS LINE UP TO ROOF.
3. ROUTE 1" NATURAL GAS LINE UP TO ROOF.

PLUMBING LEGEND

———	NATURAL GAS PIPING



① PLUMBING NATURAL GAS PLAN
1/8" = 1'-0"

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
Edgar E. Deanda, P.E.
6/30/2023

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SHEET TITLE
PLUMBING NATURAL GAS PLAN

SCALE: 1/8" = 1'

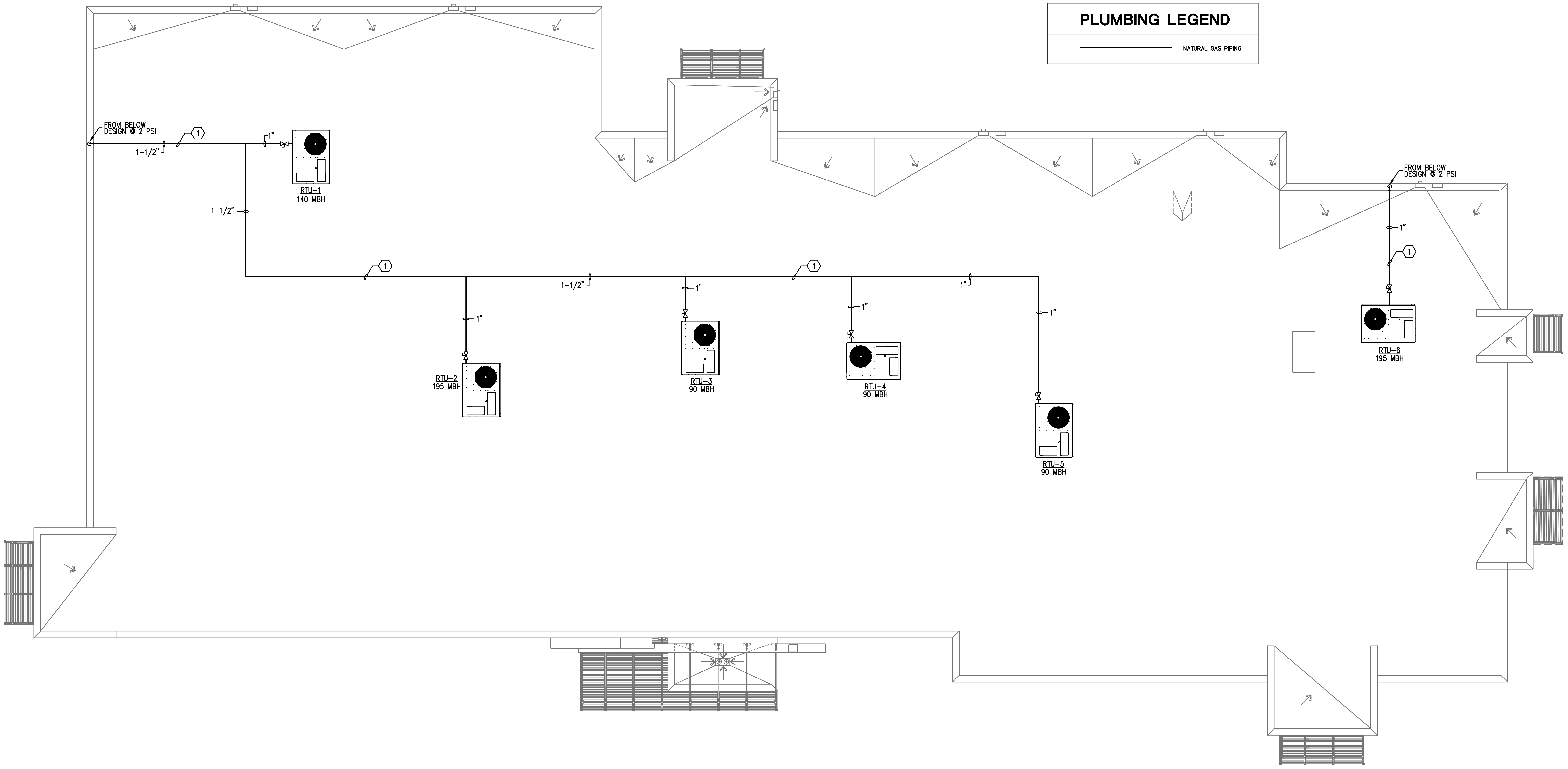
SHEET NO
P1.2

PLUMBING KEYED NOTES

⟨1⟩ PROVIDE PIPE SUPPORT EVERY 4' ON ROOF.

PLUMBING LEGEND

——	NATURAL GAS PIPING



① **PLUMBING NATURAL GAS ROOF PLAN**
1/8" = 1'-0"

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
NEW MEXICO
28759
PROFESSIONAL ENGINEER
EDeanda P.E.
6/30/2023

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SHEET TITLE
PLUMBING
NATURAL GAS
ROOF PLAN

SCALE: 1/8" = 1'

SHEET NO
P1.3

PLUMBING PIPE MATERIALS SCHEDULE

PIPING SYSTEM	PIPING MATERIAL
SANITARY DRAIN AND VENTS INSIDE BUILDING ABOVE GRADE	CAST IRON NO–HUB
SANITARY DRAIN AND VENTS INSIDE BUILDING BELOW GRADE	PVC SCHEDULE 40
GREASE WASTE AND VENTS INSIDE BUILDING BELOW GRADE	CPVC SCHEDULE 40
DOMESTIC HOT & COLD WATER	COPPER, TYPE "L" HARD DRAWN
GAS	BLACK STEEL SCHEDULE 40

SHOCK ARRESTER SCHEDULE

P.D.I. SYMBOL	FIXTURE UNITS	SIZE
A	1–11	1/2" NPT
B	12–32	3/4" NPT
C	33–60	1" NPT
D	61–113	1 1/4" NPT

SHOCK ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER TO BE SUITABLE FOR INSTALLATION WITHOUT REQUIREMENT FOR ACCESS DOORS.

GENERAL NOTES – PLUMBING FIXTURES

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAINS, ROUGH–INS AND CARRIERS IN ACCORDANCE WITH WITH PROPOSED ELEVATIONS AND FINISHED SURFACES.
2. MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH–IN WORK.
3. FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
4. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH–IN OPENINGS BEFORE BEGINNING WORK.
5. ALL FIXTURE AND EQUIPMENT STUB–OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES.
6. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, HEAVY GAGE BRASS ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE.
7. ALL EXPOSED BRASS SHALL BE CHROME PLATED.
8. PROVIDE DEEP SEAL P–TRAP FOR ALL DRAINS.
9. ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH ♿ SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICAN WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ADA CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONED ADA MOUNTING HEIGHTS AND SPECIFIED CLEARANCES.

PLUMBING GENERAL PLAN NOTES:

PLUMBER SHALL FIELD VERIFY EXACT BUILDING FINISHED FLOOR ELEVATION AND THE INVERT ELEVATION OF ALL DRAIN LINES AT PROPOSED CONNECTING POINTS WITH EXISTING UTILITIES PRIOR TO INSTALLATION OF BUILDING PIPING.

ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLABS SHALL BE SUPPORTED AT PENETRATION AND OPENINGS SHALL BE SEALED WITH APPROVED, NON–HARDENING, FIRE STOP MATERIALS AS SPECIFIED OR REQUIRED.

CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE PROPER ROUGH–IN CONNECTIONS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE NECESSARY, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. CORRECTIONS OR RELOCATIONS DUE TO MISALIGNED PIPE SHALL BE PERFORMED IN A TIMELY MANNER AT NO ADDITIONAL COST TO OWNER.

DO NOT SCALE THE PLUMBING DRAWINGS FOR ROUGH–IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF PLUMBING ROUGH–IN WORK.

SANITARY DRAINAGE PIPING 3" AND SMALLER SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/4 INCH PER FOOT OF RUN. DRAINAGE PIPING OF 4" SIZE AND LARGER SHALL SLOPE MINIMUM 1/8 INCH PER FOOT OF RUN. SLOPE ALL VENT PIPING MINIMUM 6" PER 100 FEET OF RUN BACK TO DRAIN.

PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL DRAINAGE PIPING ABOVE GROUND. PROVIDE RESTRAINTS FOR ALL DRAINAGE PIPING AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. BRACES, BLOCKS, RODDING AND OTHER PERMANENT METHODS AS PRESCRIBED BY PIPE AND COUPLING MANUFACTURER SHALL BE ACCEPTABLE.

PROVIDE FITTINGS FOR SANITARY DRAIN WASTE AND VENT PIPING SYSTEMS IN COMPLIANCE WITH CURRENT ADOPTED CODES. NO CROSS TEES ALLOWED IN PLUMBING CHASE FOR HORIZ. TO VERT. DRAIN.

PROVIDE INSULATION FOR ALL DOMESTIC WATER PIPE WITHIN 8 FT. OF BUILDING EXTERIOR WALL.

INSTALL EACH WATER HEATER AND ALL PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVALS/REPLACEMENTS.

PROVIDE ISOLATING BALL VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE APPROVED PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE–APPROVED BY THE ARCHITECT. PROVIDE WHITE ACCESS DOORS FOR TOILET ROOM PANELS.

CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION AND SHALL MAKE ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT.

ALL HOT WATER PIPING SHALL HAVE 1" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND SELF SEALING LAP JOINT.

SHOCK ARRESTORS:
SHOCK ARRESTORS SHALL CONFORM WITH THE REQUIREMENTS OF ASSE 1010 AND SHALL BE SIZED AND LOCATED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD WH–201. ACCESS PANELS REQUIRED FOR FIXTURE GROUPS SHALL BE SIZED TO ALLOW SERVICE TO SHOCK ARRESTORS. LOCATIONS AND SIZES OF REQUIRED ACCESS PANELS SHALL BE REVIEWED FOR APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.

PLUMBING LEGEND

DISREGARD LEGEND ITEMS NOT
INDICATED ON DRAWINGS

SYMBOL	DESCRIPTION	ABBR.
— — —	SOIL OR WASTE PIPING B.G.	WST
———	SOIL OR WASTE PIPING A.G.	WST
——GW——	GREASE WASTE PIPING	GW
– – – – – – –	VENT PIPING	V
——SD——	STORM DRAIN PIPING	SD
——OD——	OVERFLOW STORM DRAIN PIPING	OD
—— G——	GAS LINE	G
—— F——	FIRE OR SPRINKLER LINE	F
—— - ——	DOMESTIC COLD WATER	CW
—— -- ——	DOMESTIC HOT WATER	HW
—— --- ——	DOMESTIC HOT WATER RETURN	HWR
——SW——	SOFT DOMESTIC COLD WATER	SW
——⋈——	GATE VALVE	GV
——⋈——	GLOBE VALVE	GLV
——⋈——	BALL VALVE	BV
——N——	CHECK VALVE	CKV
——◆——	BALANCING VALVE	BAV
——|\\\|——	BUTTERFLY VALVE	BTV
——▼——	PLUG VALVE	PLV
——⋈——	PRESSURE REDUCING VALVE	PRV
	PRESSURE RELIEF VALVE	T&P
	STRAINER	STR
——||——	UNION	UN
	THERMOMETER WELL	TW
	PRESSURE GAUGE	PG
	THERMOMETER	THRM
——D——	CONDENSATE OR INDIRECT DRAIN	D
	BRANCH CONNECTION, TOP	––
——OW——	OILY WASTE	OW
	BRANCH CONNECTION, BOTTOM	––
———○	ELBOW UP	––
	ELBOW DOWN	––
———Ø	FLOOR CLEANOUT (INTERIOR)	FCO
———▨	CLEANOUT AT GRADE (EXTERIOR)	COG
	WALL CLEANOUT	WCO
	FLOOR DRAIN	FD
	FLOOR SINK	FS
	HOSE BIBB	HB
	WALL HYDRANT	WH
⊗	GAS PRESSURE REGULATOR	GPR
P/X	PLUMBING RISER IDENTIFICATION	P/X
DS/X	DOWNSPOUT RISER IDENTIFICATION	DS/X
F/X	FIRE RISER IDENTIFICATION	F/X
	ABBREVIATIONS	ABBR.
––	ABOVE FINISHED FLOOR	AFF
––	ACCESS PANEL	AP
––	BELOW FINISHED FLOOR	BFF
––	BOTTOM OF PIPE	BOP
––	INDIRECT DRAIN	D
––	FINISHED	FIN
––	FLOOR	FLR
––	INVERT ELEVATION	INV. EL.
––	NORMALLY CLOSED	NC
––	SOFT WATER	SW
––	TRAP PRIMER	TP
––	TYPICAL	TYP
––	VENT THRU ROOF	VTR
——5G——	GAS (5 LB PRESSURE)	5G

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MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
E. DeAnda P.E.
6/30/2023

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PROJECT NO EED-23027
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REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
PLUMBING
SCHEDULES

SCALE: N.T.S

SHEET NO
P2.0

WATER HEATER FIXTURE SCHEDULE

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
WH-1	GAS WATER HEATER	-	-	1"	1"	NATURAL GAS WATER HEATER: A.O. SMITH BTH-300A FOAM INSULATED, SIDE CONNECTED, 119 GALLON, 300,000 BTU, UL LISTED, ASHRAE APPROVED. PROVIDE 5 GAL. EXPANSION TANK.
WH-2	GAS WATER HEATER	-	-	3/4"	3/4"	NATURAL GAS WATER HEATER: A.O. SMITH GCR-40 FOAM INSULATED, SIDE CONNECTED, 40 GALLON, 40,000 BTU, UL LISTED, ASHRAE APPROVED. PROVIDE 5 GAL. EXPANSION TANK.
WH-3	TANKLESS GAS WATER HEATER	-	-	3/4"	3/4"	TANKLESS NATURAL GASWATER HEATER: A.O. SMITH #ATI-140H-N BOTTOM CONNECTED, 6.6 MAX GPM, 120,000 MAX BTU, 0.90 UEF, INDOOR DIRECT VENT, 3" OR 4" PVC VENTING.
WH-4	TANKLESS GAS WATER HEATER	-	-	3/4"	3/4"	TANKLESS NATURAL GASWATER HEATER: RHEEM# WENDY'S ITEM T1104-RTGH-95-DVLN BOTTOM CONNECTED, 9.5 MAX GPM, 199,900 MAX BTU, 0.93 UEF, INDOOR DIRECT VENT, 2" OR 3" PVC 2-PIPE.
WH-5	ELECTRIC TANK WATER HEATER	-	-	3/4"	3/4"	ELECTRIC WATER HEATER: A.O. SMITH DEN-80 FOAM INSULATED, SIDE CONNECTED, 80 GALLON, 6100 WATT, 240 VOLT, UL LISTED, ASHRAE APPROVED.

PLUMBING FIXTURE SCHEDULE

FLUSH TANK FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
WC-1	WATER CLOSET WALL MOUNTED STD & ADA/TAS REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS	4"	2"	1"	-	WATER CLOSET: TOTO MODEL NO. #CT708UG, WALL MOUNTED TOILET WITH 1-1/2" TOP SPUD INLET,LESS SEAT WITH CeFiONtect CERAMIC GLAZE. WITH "BENEKE" OPEN FRONT SEAT LESS COVER MODEL NO. 533SS. FLUSH VALVE: TOTO MODEL NO. TET1UA32#CP CARRIER: ZURN MODEL NO. Z1201-H_4. PROVIDE WITH (HD) OPTION, HEAVY DUTY SUPPORT HARDWARE, (UP TO 500 LBS.)

URINAL FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
U-1	URINAL STANDARD AND ADA REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS (HIGH EFFICIENCY)	2"	2"	3/4"	-	URINAL: TOTO MODEL NO. # U447E. COMPACT URINAL TYPE, WASHOUT FLUSH ACTION WITH 3/4" TOP SPUD INLET, 0.5GPF. FLUSH VALVE: TOTO MODEL NO. TEU1LA12#CP, 3/4" TOP SPUD INLET. PROVIDE ZURN CARRIER SYSTEM MODEL NO. Z-1221.

LAVATORY FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
L-1	LAVATORY UNDER MOUNT STANDARD & HANDICAP	2"	2"	1/2"	1/2"	LAVATORY: KOHLER MODEL NO. K-2609-U, OVAL BASIN UNDERMOUND SINK, UNIQUE OVERFLOW DRAIN, 20G STAINLESS STEEL. PROVIDE WITH FAUCET BY BRADLEY CORP MODEL NO. S53-3100, CREST SERIES - CHROME FINISH. WITH SOAP DISPENSER MODEL NO. #6-3 100. PROVIDE PROTECTIVE COVER ON P-TRAP AND STOPS.

SINK FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
SK-1	ONE COMP. STAINLESS STEEL SINK 17-1/4" X 17-1/4" DECK MOUNTED	2"	2"	1/2"	1/2" TMV	DECK MOUNTED SINK BY ADVANCED TABCO MODEL #7-PS-20. 17-1/4" X 17-1/4" , K-52 4" O.C. DECK MOUNTED CENTERSET FAUCET. WITH DECK MOUNTED FIXED FAUCET.
SK-2	ONE COMP. STAINLESS STEEL SINK	2"	2"	1/2"	1/2" TMV	ONE COMP. HAND SINK BY JOHN BOOS MODEL NO. 1B18244-1D18R-X. "B" SERIES SINK, ONE COMPARTMENT 40" X 29-1/2." 14" DEEP BOWL. 18" RIGHT DRAINBOARD. 3-1/2" DRAIN OPENING. FAUCET: PBF-10-SLF-X HEAVY DUTY FAUCET, SPLASH MOUNT, 10" SWING SPOUT.
SK-3	THREE COMP. STAINLESS STEEL SINK 84" X 25-3/4"	2"	2"	1/2"	1/2" TMV	THREE COMP. SINK BY JOHN BOOS MODEL NO. 3PB20-2D24. PRO-BOWL SINK, 111-1/4" X 25-1/2". 3 - 20" X 20" DEEP COMP., 12" DEEP BOWL. 3-1/2" DIE-STAMPED DRAIN OPENING. FAUCET: KROWNE MODEL NO. 17-109WL. WALL MOUNT, 1.2 GPM SPRAY HEAD.
SK-4	ONE COMP. STAINLESS STEEL HAND SINK	2"	2"	1/2"	1/2" TMV	WORKTABLE W/ SINK BY ADVANCE TABCO MODEL NO. KMS-11B-304L, 48" X 30", 16GA 430 SS, 16" X 20" FRONT TO BACK 12" DEEP BOWL, DECK MOUNTED FAUCET, 5" HEIGHT SPLASH BACK.
SK-5	ONE COMP. STAINLESS STEEL ECONOMY SINK	2"	2"	1/2"	1/2" TMV	ONE COMP. SINK BY ADVANCED TABCO MODEL #FC-1-1620. 21" X 26", 14" BOWL DEPTH, 16G 304 S.S. PROVIDE WITH ADVANCE TABCO FAUCET MODEL# DTA-53.
SK-6	72" SALAD PREP THREE COMP SINK W/ PRE RINSE	2"	2"	1/2"	1/2" TMV	THREE COMP. SINK BY METRO (MT) MODEL: WENDY'S ITEM #T0901 & WENDYS ITEM #S6202-TBD. WALL RACK WITH 72" TRACK FOR 3 COMP POT SINK WORKSTATION WITH PRE RINSE ASSEMBLY AND 24" TRACK
SK-7	STANDARD WAREWASH 3 COMP SINK	2"	2"	1/2"	1/2" TMV	THREE COMP. SINK BY LYONS MODEL: WENDY'S ITEM #T2011-SK23119011.
SK-8	HAND WASH STATION	2"	2"	1/2"	1/2" TMV	HAND WASH STATION/SINK BY COMPONENT HARDWARE GROUP (CH) MODEL: WENDY'S ITEM #T0802-FS18-090905HI.
SK-9	HAND SINK	2"	2"	1/2"	1/2" TMV	HAND SINK BY COMPONENT HARDWARE GROUP (CH) MODEL: WENDY'S ITEM #T0802.
SK-10	DRINK COUNTER LINE HAND SINK	2"	2"	1/2"	1/2" TMV	HAND SINK PROVIDE WITH DRINK COUNTER LINE PACKAGE. MODEL: WENDY'S #E4003-NG011500. PROVIDED WITH ELECTRONIC FAUCET, TOWEL, SOAP DISPENSERS AND SPLASH SUPPORT.

SHOWER FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
SH-1	ADA & STANDARD WALL SHOWER	2"	2"	3/4"	3/4"	SHOWER: PER T.A. SHOWER STANDARDS MANUAL.

MOP SINK FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
MS-1	FLOOR MOUNT MOP SINK	2"	2"	3/4"	-	FLOOR MOUNTED MOP SINK BY ADVANCED TABCO MODEL NO. 9-OP-20. 20" X 16" BOWL.16 GAUGE. S.S. MOP SINK DRAIN INCLUDED.

MISC FIXTURES

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
FS	FLOOR SINK	3"	-	-	-	FLOOR SINK ZURN LIGHT COMMERCIAL FD2377 12"x12"x10" DEEP ENAMEL CAST IRON SINK WITH PVC ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER, 1/2 GRATE.
FD-1	FLOOR DRAIN	AS NOTED ON PLANS				FLOOR DRAIN ZURN ZN-415 DURA-COATED CAST IRON BODY & ADJUSTABLE COLLAR. TYPE "B", 3"DIAMETER, POLISHED NICKEL BRONZE STRAINER, WITH FLASHING CLAMP DEVICE. PROVIDE W/ TRAP PRIMER CONNECTION
FD-1	GENERAL DUTY FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30003-6A-Y-50, CAST IRON BPDY WITH CLAMP RING, FLANGE, ADJUSTABLE NIKALOY STRAINER , HUB OUTLET WITH GASKET AND 1/2" PRINER TAP.
HD	CONDENSATE FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30002-5S-Y, COATED CAST IRON BODY WITH CLAMP RING. TWO PIECE BODY WITH DOUBLE DRAINAGE FLANG.
GCO	GRADE CLEANOUT	MATCH PIPE	-	-	-	GRADE CLEANOUT ZURN ZB-1400-HD EXTERIOR, ADJUSTABLE CLEANOUT, DUCO COATED, CI BODY, ABS TAPERED PLUG WITH GASKET. HEAVY DUTY TOP.
FCO	FLOOR CLEANOUT	MATCH PIPE	-	-	-	FLOOR CLEANOUT ZURN ZN-1400-VP INTERIOR, FLOOR TYPE. ABS TAPERED PLUG WITH GASKET SEAL & NICKEL BRONZE TOP. "C.O." CAST IN THE TOP. SPANNER WRENCH REMOVAL.
TP-1	TRAP PRIMER	MATCH PIPE	-	-	-	TRAP PRIMER: PPP PR 500 DU-U ROUTE PRIMER PIPING IN WALL TO FLOOR DRAIN.
TMV	THERMOSTATIC MIXING VALVE	-	-	3/4"	3/4"	THERMOSTATIC MIXING VALVE BRADLEY S59-4015 MIN FLOW 0.5 GPM LOW RANGE THERMOSTAT, DIAL THERMOMETER, LIQUID-FILLED THERMOSTAT, INTEGRAL STRAINER CHECKSTOP, DIRT AND LIME RESISTANT. 3/4" INLETS AND 1" OUTLET
HB-1	HOSE BIB EXTERIOR GENERAL USE	-	-	3/4"	-	MILD TEMPERATURE WALL HYDRANT SHALL BE WADE MODEL 8600MT-175 3/4" INLET WITH BRONZE CASING, BRONZE FACE AND STRAIGHT INLET CONNECTION WITH INTEGRAL BACKFLOW PREVENTER.
RCP	RECIRCULATING PUMP	-	3/4"	-	-	RECIRCULATING PUMP GRUNDFOS UP15-42US ALL BRONZE FLANGE PUMP, 1/25 HP WIRED FOR 120/60/1 POWER AND FITTED WITH REMOTE HEAT SENSING AQUASTAT CONTROLLER AND SHUT-OFF TIMER TS-1.

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MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759

Edgar E. Deanda P.E.
6/30/2023

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TUCUMCARI - TC
TUCUMCARI, NM

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NO	DATE	DESCRIPTION

SHEET TITLE
PLUMBING SCHEDULES

SCALE: N.T.S

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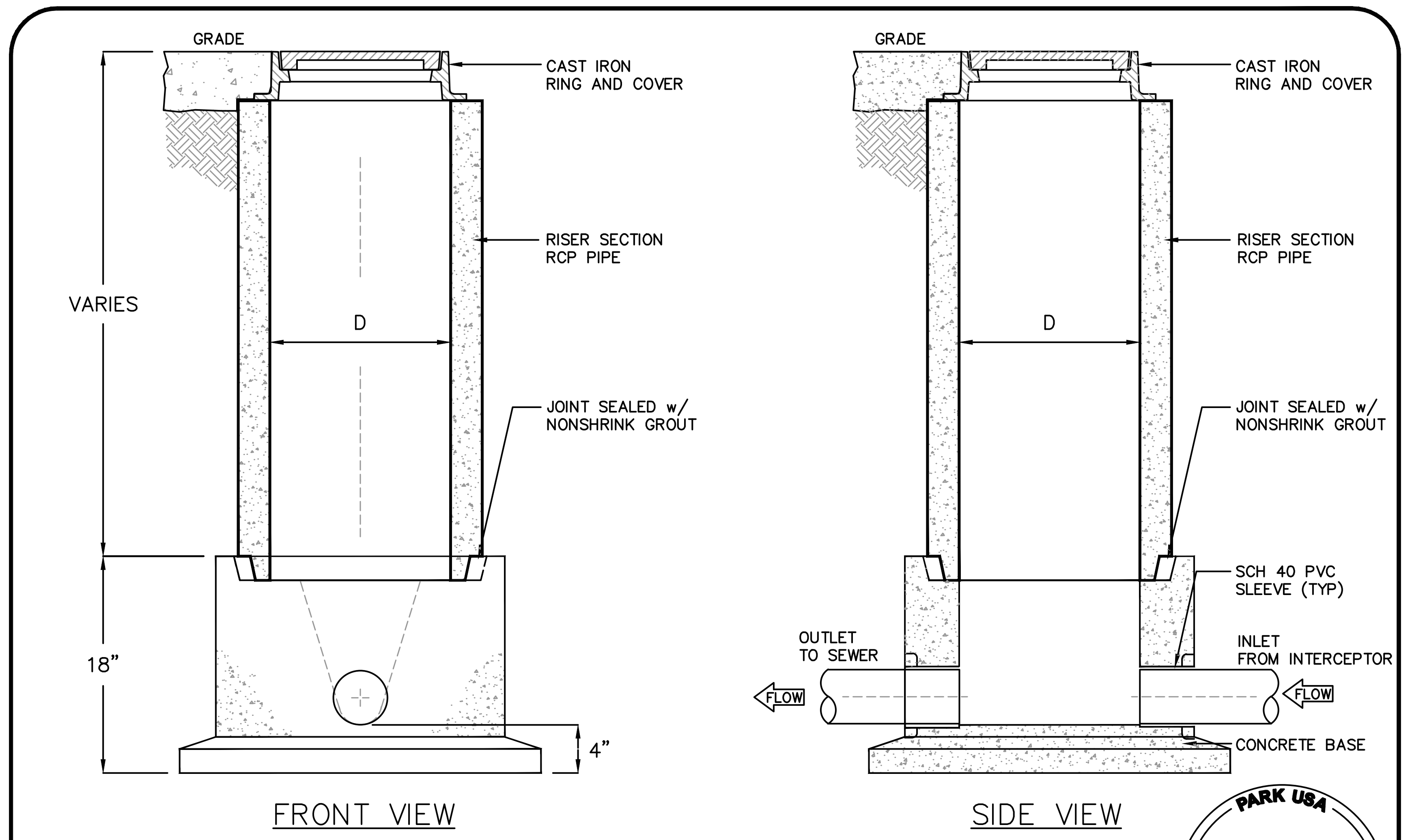
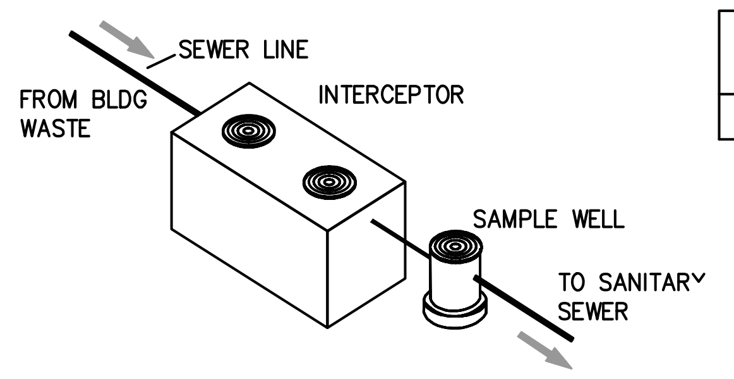
P3.0

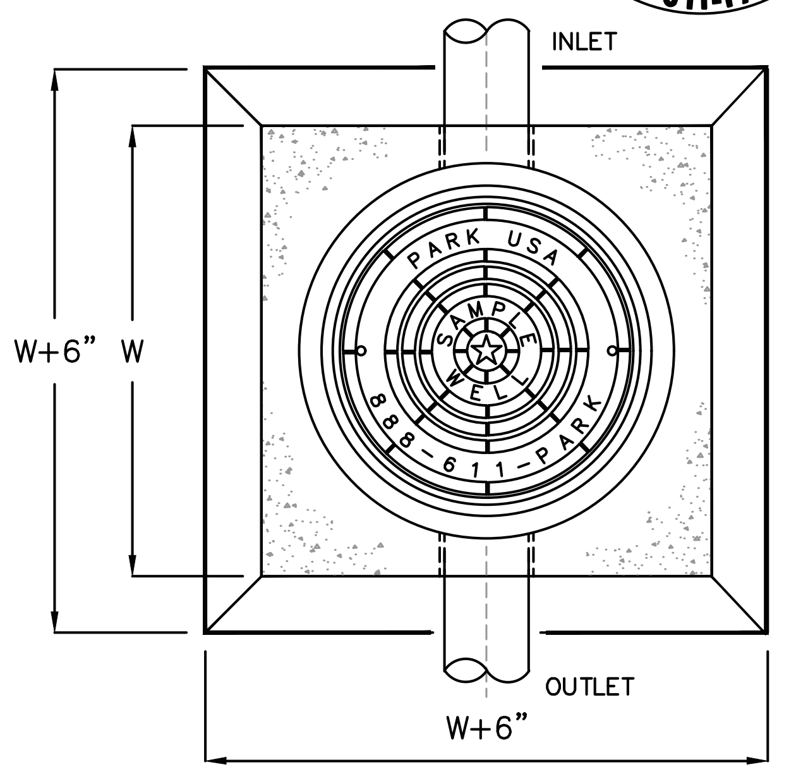


FRONT VIEW

SIDE VIEW



MODEL	DIAMETER "D"	IN & OUT PIPE SIZE	WIDTH "W"
SWB-184	18"	4"	28"



PLAN VIEW

NOTES

1. SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
2. USE 15" FOR INSTALLATION 6'-0" DEEP AND LESS.
3. USE 24" FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
4. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
5. INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
6. INSTALLATION INSIDE BLDG MUST BE POURED IN PLACE (15"MIN) NO CONCRETE PIPE IS PERMITTED, (AIR-TIGHT COVER REQUIRED.)
7. LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
8. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
9. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

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SPECIFICATIONS

CONCRETE:	Class I/II concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.
C.I. CASTINGS:	Cast iron rings and grates are manufactured of grey cast iron conforming to ASTM A48 Class 30, Heavy-Duty AASHTO H20/HL93

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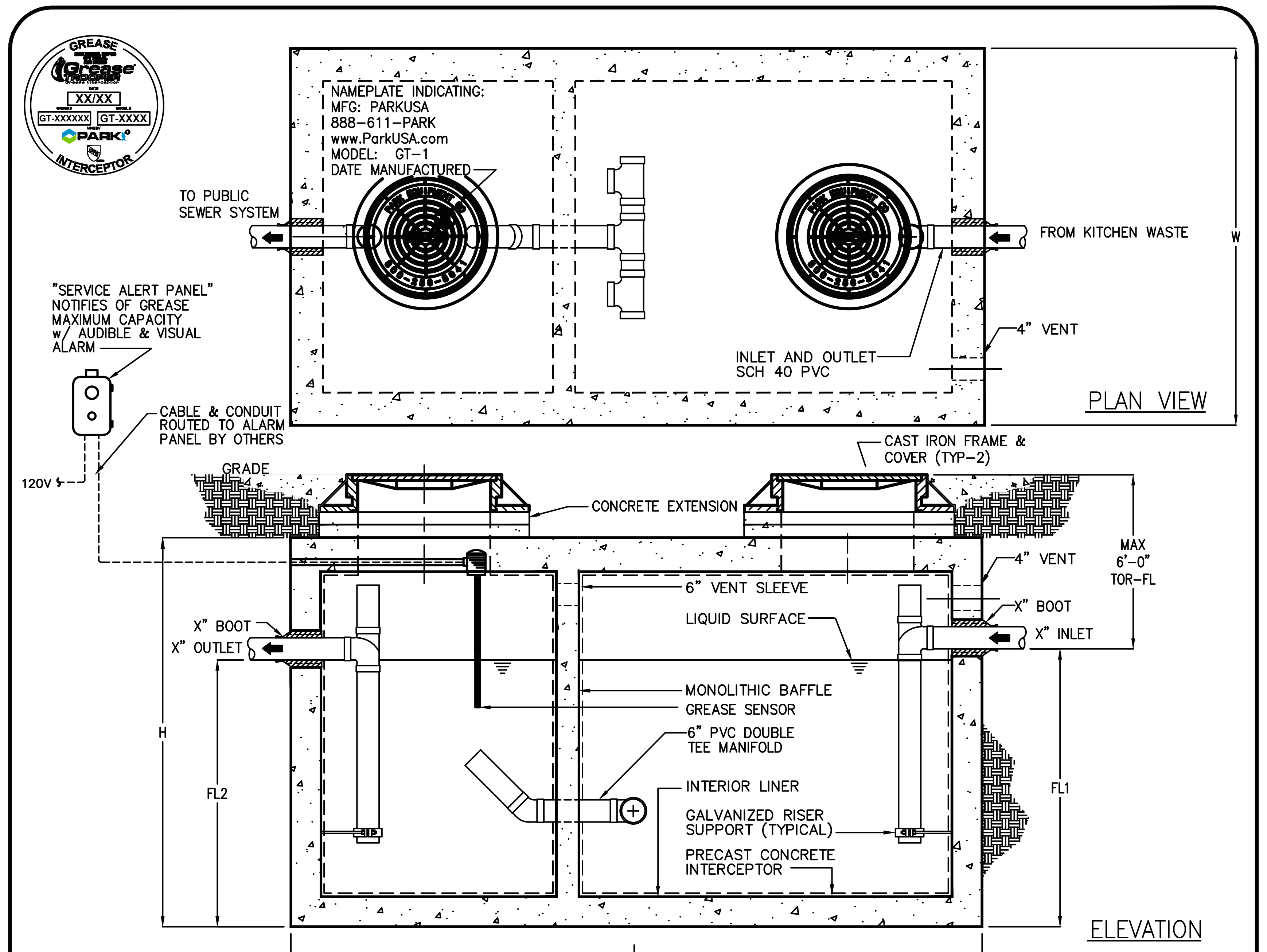
SAMPLE WELL BASIN

SCALE	NONE	DWG. NO.	REV.
DATE	2018	SWB-1	A



PLAN VIEW

ELEVATION

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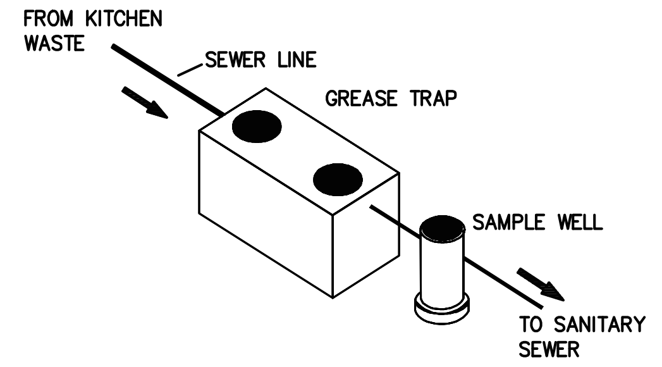

Grease Trooper
Grease Interceptor Systems

GREASE INTERCEPTOR SCHEDULE								
MODEL NO.	CAPACITY USGal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-2000	2,000	4,600	21,250	9'-0"	6'-0"	8'-0"	6'-9"	6'-6"

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION

TYPICAL APPLICATIONS INCLUDE COMMERCIAL AND INDUSTRIAL FOOD SERVICE KITCHENS WHERE EXCESSIVE GREASE MAY INTERFERE WITH THE PROPER DRAINAGE OF THE SEWER SYSTEM. THE GREASE INTERCEPTOR IS GENERALLY BURIED BELOW GRADE FOR GRAVITY FLOW SEWER SYSTEMS. A SAMPLE WELL IS UTILIZED ON THE OUTLET SIDE FOR SAMPLING BY THE LOCAL WATER AUTHORITIY.

SPECIFICATIONS

CONCRETE :	CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. (MONOLITHIC BAFFLE REQUIRED, SLIDE-IN TYPE IS NOT ACCEPTABLE)
REINFORCEMENT:	GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
C.I. CASTINGS:	MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48 CLASS 30. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER AND BE TRAFFIC DUTY.

ENGINEERING DATA

THE GREASE INTERCEPTOR IS STRUCTURALLY & HYDRAULICALLY ENGINEERED TO CONFORM TO UPC/IPC AND REGIONAL PLUMBING CODES RECOMMENDED IN MOST CITIES. CONSULT WITH LOCAL AUTHORITIES FOR SPECIFIC APPLICATION REQUIREMENTS.

SHOP DRAWINGS SHALL INCLUDE COMPLETE STRUCTURAL & BOUYANCY CALCULATIONS CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER UPON REQUEST.

CONSULT WITH PARKUSA COMPANY FOR EXACT EXCAVATION DIMENSIONS & SHIPPING INFORMATION.

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DESIGN FOR WATER

GREASE INTERCEPTOR SERIES GT
500 THRU 4000 GALLON CAPACITY

PM	DRN	ENG	DWG. NO.	REV.
DATE	06/18		GT-1	A

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EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

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SHEET TITLE
PLUMBING SCHEDULES

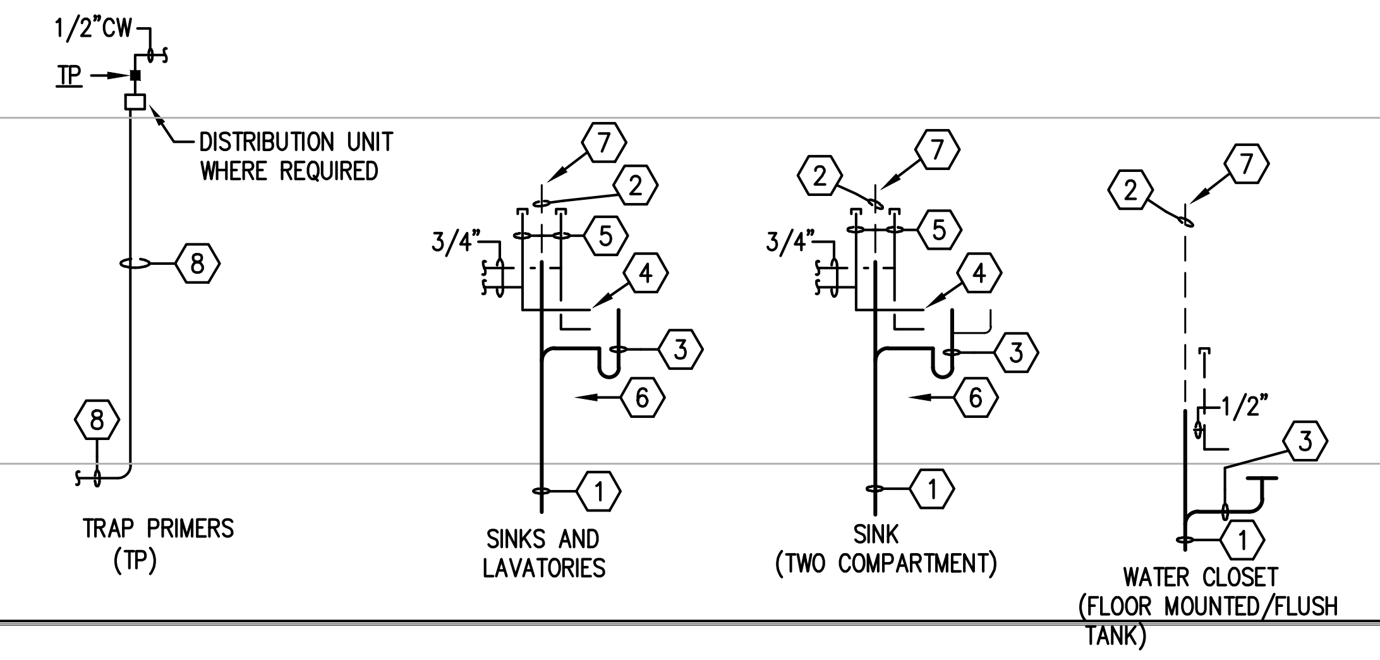
SCALE: N.T.S

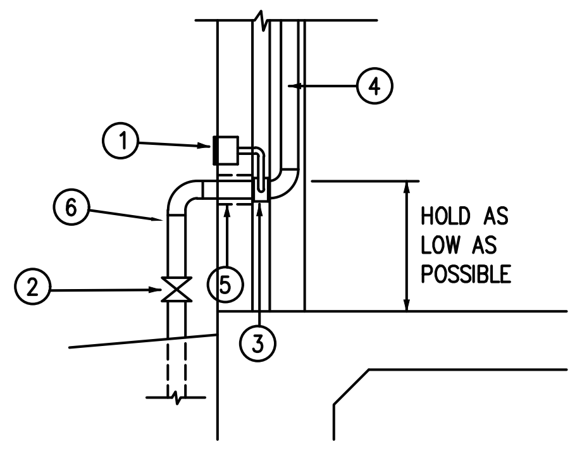
SHEET NO
P3.1

KEYED NOTES – RISER DIAGRAM DETAILS:

1. REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH–IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
2. REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH–IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
3. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH–IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE FOR THIS FIXTURE.
4. REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH–IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
5. PROVIDE AIR CHAMBER, MINIMUM ONE PIPE SIZE LARGER THAN FIXTURE ROUGH–IN OPENING AND MINIMUM 18" IN LENGTH ABOVE SUPPLY BRANCH CONNECTION.
6. WALL CLEANOUTS SHALL BE PROVIDED AT ALL END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
7. SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT A MINIMUM 42" ABOVE FIN. FLOOR.
8. TRAP REFILL LINE; SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.
9. AIR GAP FITTING

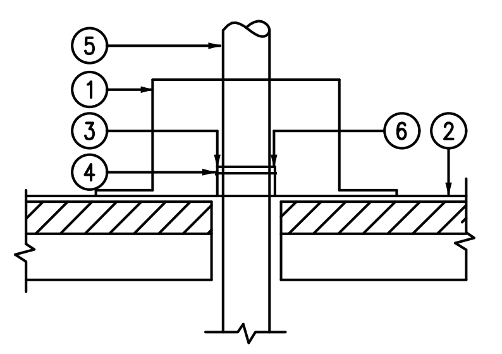
TYPICAL PLUMBING RISER DETAILS





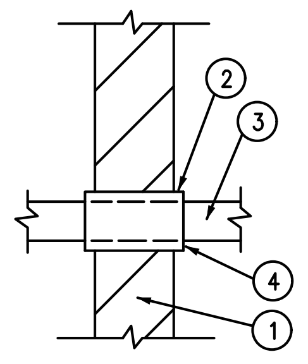
① WALL HYDRANT – INSTALL LOW ENOUGH TO DRAIN RISER.
② BALL VALVE
③ TEE
④ TYPE "L" COPPER
⑤ SLEEVE
⑥ PROVIDE 1" ARMAFLEX INSULATION W/ METAL JACKET ON EXPOSED PIPING.

1 DOMESTIC WATER ENTRANCE
NOT TO SCALE



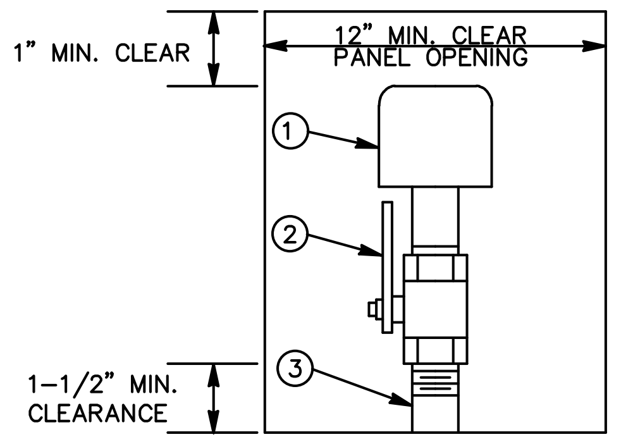
① PREFABRICATED ROOF CURB. FURNISHED & INSTALLED BY ROOFING CONTR. (COORDINATE)
② METAL ROOFING
③ STAINLESS STEEL CLAMP
④ SLEEVE PIPE BY ROOFING CONTR.
⑤ VTR
⑥ PROVIDE CAULKING GROVE
⑦ LOCATE MIN. 10'–0" FROM A/C AIR INTAKES

4 VENT THRU ROOF DETAIL
NOT TO SCALE



① MASONRY WALL
② GALVANIZED SCHEDULE 40 STEEL OR COPPER SLEEVE, SIZE TO BE MINIMUM 3/8" LARGER IN DIAMETER THAN PIPE AND INSULATION.
③ PLUMBING PIPE (RELIER LINES, DOMESTIC WATER, AIR, AND GAS PIPING).
④ FILL VOID WITH MINERAL WOOL AND CAULK VERMIN TIGHT.

7 WALL SLEEVE DETAIL
NOT TO SCALE



① WATER HAMMER ARRESTOR, SIZE AS PER MANUFACTURER'S SIZING TABLE.
② BALL VALVE, SAME NOMINAL SIZE AS PIPE BRANCH. OPENING IN BALL VALVE TO MATCH PIPE I.D.
③ PIPE SAME SIZE AS BRANCH LINE TO WHICH IT IS ATTACHED.

NOTE: PROVIDE REDUCER IF REQUIRED BETWEEN VALVE AND WATER HAMMER ARRESTOR.

DIMENSIONS FOR MIN. PANEL SIZE AND OPENING IF WATER HAMMER ARRESTOR IS LOCATED IN WALL. LOCKING PANEL COLOR TO BE DETERMINED BY ARCHITECT.

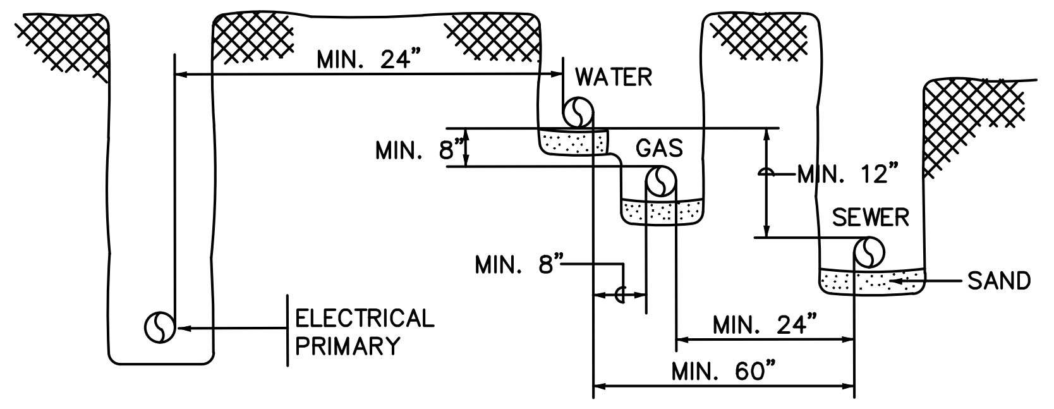
10 WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

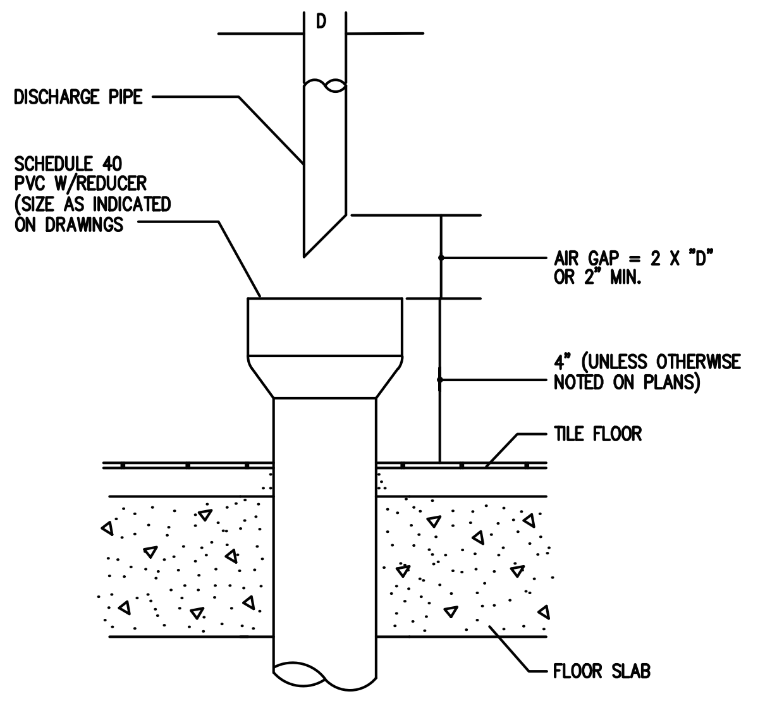
COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

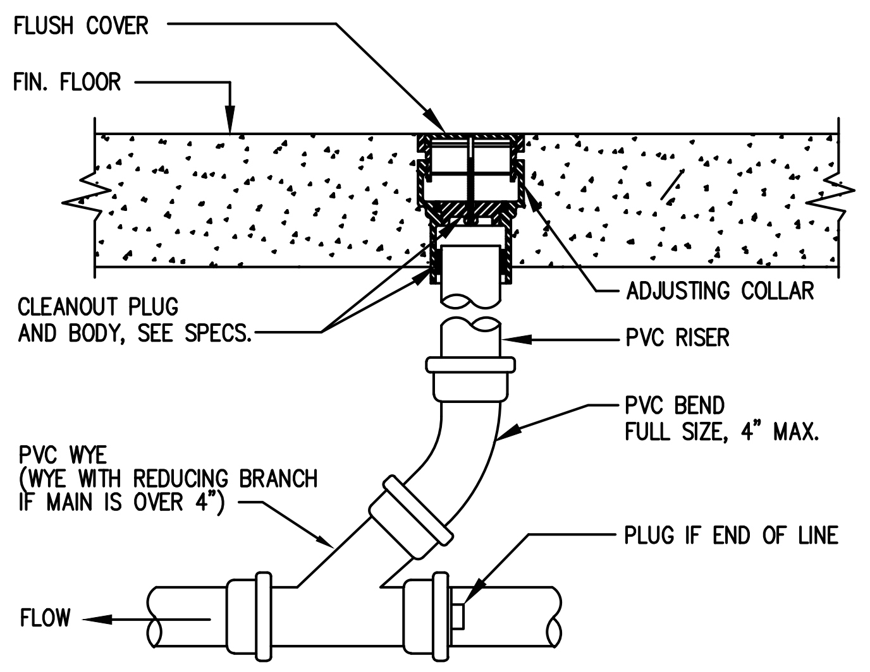
MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



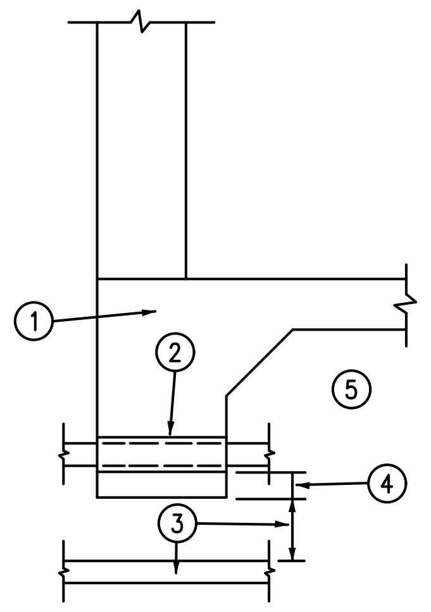
2 TRENCH DETAIL
NOT TO SCALE


D
DISCHARGE PIPE
SCHEDULE 40 PVC W/REDUCER (SIZE AS INDICATED ON DRAWINGS
AIR GAP = 2 X "D" OR 2" MIN.
4" (UNLESS OTHERWISE NOTED ON PLANS)
TILE FLOOR
FLOOR SLAB

5 HUB DRAIN DETAIL
NOT TO SCALE

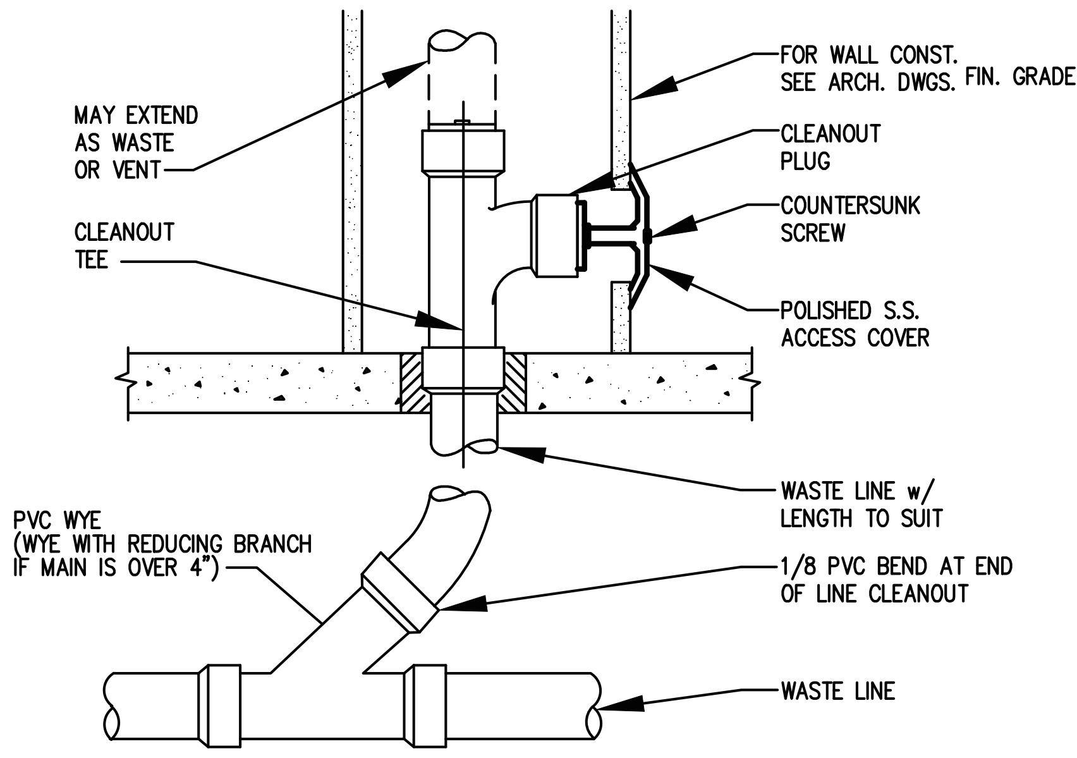

FLUSH COVER
FIN. FLOOR
CLEANOUT PLUG AND BODY, SEE SPECS.
ADJUSTING COLLAR
PVC RISER
PVC BEND FULL SIZE, 4" MAX.
PVC WYE (WYE WITH REDUCING BRANCH IF MAIN IS OVER 4")
PLUG IF END OF LINE
FLOW

8 FLOOR CLEAN OUT DETAIL
NOT TO SCALE

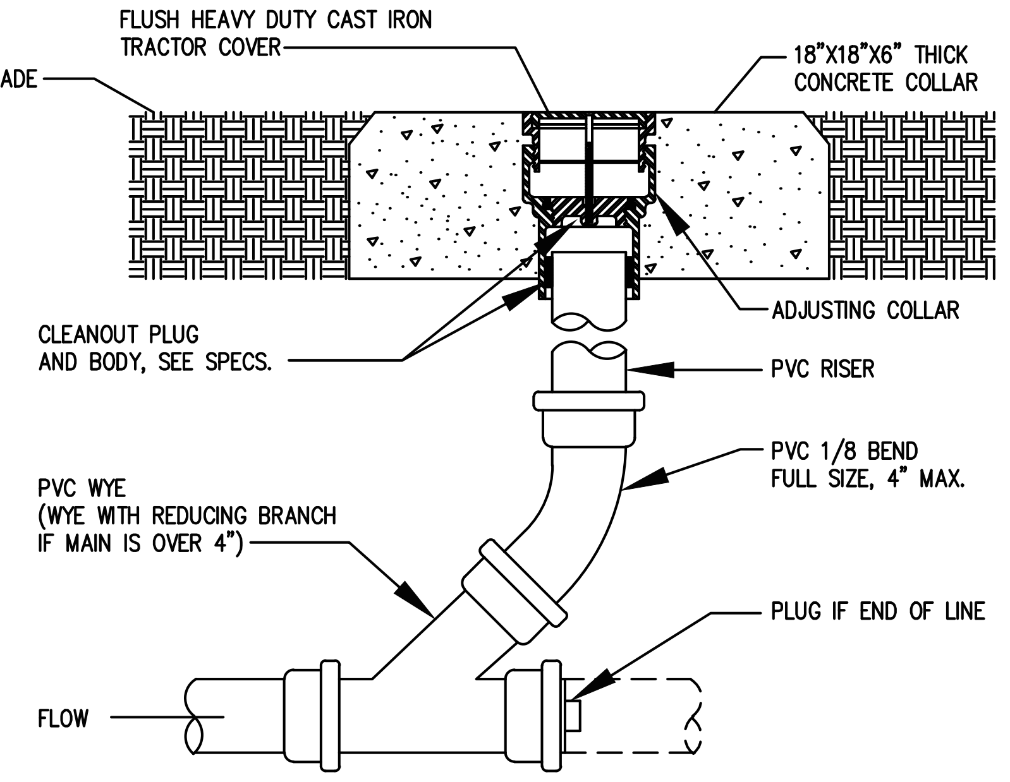


① GRADE BEAM
② GALVANIZED SCH 40 STEEL SLEEVE. SIZE PER SPECS. CENTER PIPE IN SLEEVE.
③ PIPING PASSING HORIZONTALLY UNDER GRADE BEAM SHALL BE LOCATED A MINIMUM OF 6" BELOW BEAM. PROVIDE A SLEEVE.
④ PIPING PASSING HORIZONTALLY THROUGH GRADE BEAM SHALL BE LOCATED NO LESS THAN 6" ABOVE BOTTOM OF BEAM.
⑤ COORDINATE LOCATIONS OF PIPING IN 3,4,5 ABOVE AS RELIEVING ARCHES OR ADDITIONAL CONCRETE MAY BE REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF BEAM.

11 GRADE BEAM SLEEVE DETAIL
NOT TO SCALE


MAY EXTEND AS WASTE OR VENT
CLEANOUT TEE
FOR WALL CONST. SEE ARCH. DWGS.
CLEANOUT PLUG
COUNTERSUNK SCREW
POLISHED S.S. ACCESS COVER
WASTE LINE w/ LENGTH TO SUIT
PVC WYE (WYE WITH REDUCING BRANCH IF MAIN IS OVER 4")
1/8 PVC BEND AT END OF LINE CLEANOUT
WASTE LINE

3 WALL CLEAN OUT DETAIL
NOT TO SCALE


FIN. GRADE
FLUSH HEAVY DUTY CAST IRON TRACTOR COVER
18"X18"X6" THICK CONCRETE COLLAR
CLEANOUT PLUG AND BODY, SEE SPECS.
ADJUSTING COLLAR
PVC RISER
PVC 1/8 BEND FULL SIZE, 4" MAX.
PVC WYE (WYE WITH REDUCING BRANCH IF MAIN IS OVER 4")
PLUG IF END OF LINE
FLOW

6 YARD CLEANOUT DETAIL
NOT TO SCALE

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
28759
6/30/2023

REVIEWED - GENERAL BUILDING
Chris Archuleta
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TUCUMCARI - TC
TUCUMCARI, NM

DRAWN	
CHECKED	
PROJECT NO	EED-23027
DATE	6/30/2023

REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE
PLUMBING DETAILS

SCALE: N.T.S

SHEET NO
P4.0

PLUMBING SPECIFICATIONS

SECTION 15400

PART I: GENERAL – PLUMBING

1–1 DESCRIPTION:

All work on these drawings shall be done in strict accordance with these specifications.

The work included under this contract shall consist of furnishing and installing the waste, vent, and sanitary sewer system; domestic cold and hot water supply system; and all fixtures, equipment accessories, and appurtenances.

1–2 WARRANTY:

The contractor shall guarantee the work for a period of one year beyond date of final acceptance. During that period, the contractor shall repair or replace, at his own expense, any faults or imperfections that may arise due to defects in material and workmanship, including fixtures and pipe leaks. Defects shall include but not be limited to noisy operation, loose or missing parts, or noticeable deterioration of finish. During this period, the contractor shall actually perform all service work required.

1–3 PROJECT CONDITIONS:

The contractor shall visit the site of the work and fully understand the conditions that affect the work, or the cost thereof, understand the existing utilities from which services will be supplied, verify locations of utility services and determine in advance that equipment and materials proposed for installation fit into the confines indicated.

1–4 PERMITS AND FEES:

The contractor shall arrange and pay for all permits, fees, tests, and all inspections as required by governmental authorities.

1–5 COORDINATION WITH FIELD CONDITIONS:

The contract documents are schematic in nature in that they are only to establish scope and a minimum level of quality. All pipe equipment locations as indicated on the documents do not indicate every offset or exact location. All offsets and exact locations shall be established by actual field asurements, coordination with structural, architectural, mechanical, and electrical. All offsets and relocations as required by actual field conditions shall be performed by the at no additional cost contractor to the owner.

1–6 SUBMITTALS:

Contractor shall provide six sets of submittals on all plumbing fixtures and piping accessories. Any deviations from the specified items shall be listed on the cover sheet and clearly itemized for all deviations. The contractor shall provide two copies of owner's manuals to the architect upon completion of the work.

1–7 QUALITY ASSURANCE:

All work shall be performed in accordance with all state, local, and federal codes and all authorities having jurisdiction.

1–8 EQUIPMENT IDENTIFICATION:

All equipment shall be identified by means of nameplates permanently attached to the equipment. Nameplates shall be engraved laminated plastic or etched metal.

PART II: PRODUCTS – PLUMBING

2–1 SOIL, WASTE, VENT PIPE, AND FITTINGS ABOVE GROUND (Inside building)

A. Fittings: PVC, astm d 3311/d 2665 drainage pattern, with bell and spigot ends to be furnished by the same manufacturer as pipe or approved equal.

B. Joints: solvent weld with astm d 2564 solvent cement, clear, medium bodied, for sizes 3" and smaller and gray, heavy bodied, for sizes 4" and larger, mating surfaces shall be prepared with astm f 656 purple primer immediately prior to cement application.

C. Exposed pipe and fittings: Polished chrome over nickel plated brass.

2–2 SOIL, WASTE, PIPE, AND FITTINGS BELOW GROUND:

A. Fittings: PVC, astm d 3311/d 2665 drainage pattern, with bell and spigot ends to be furnished by the same manufacturer as pipe or approved equal.

B. Joints: solvent weld with astm d 2564 solvent cement, clear, medium bodied, for sizes 3" and smaller and gray, heavy bodied, for sizes 4" and larger, mating surfaces shall be prepared with astm f 656 purple primer immediately prior to cement application.

2–5 DOMESTIC WATER PIPING AND FITTINGS ABOVE GROUND:

A. Piping: ASTM B88–83a, copper tubing, hard drawn, type "L".

B. Fittings: ANSI B16.22–80, wrought copper solder joint.

C. Unions 2" and smaller: ANSI B16.22–80, wrought copper solder joint, ground seat.

D. Dielectric connections: Epco Sales, Inc., Cleveland, Ohio or approved equal. Select gasket materials for compatibility with fluid used, temperature, and pressure.

1. Unions 2" and smaller: 175 p.s.i. minimum working pressure, ends to match connections.

E. No foreign pipe or fittings shall be allowed for this project.

F. Escutcheon Plates: Provide escutcheon plates similar to Grabler "Sure–lock" or Smith Figure "9070" at locations where pipe penetrations finished and semi–finished floors, walls or ceilings.

2–6 DOMESTIC WATER PIPING BELOW SLAB:

A. Type "K" soft copper with no joints below slab.

2–7 DOMESTIC WATER VALVES ABOVE GROUND:

All bronze, solder ends, line size.

A. Gate: 150 pound SWP saturated, 300 pound WOG, integral seat, solid wedge, rising stem, screw in bonnet conforming to MSS SP–80. Nibco Scott S–134 by Nibco, Inc., Elkhart, Indiana or approved equal.

B. Ball: Up to and including 2 inches: Bronze 600psi two piece body full port, stainless steel ball and stem, teflon seats and stuffing box ring, lever handle and balancing stops, solder or threaded ends with unions.

2–9 DOMESTIC WATER ACCESSORIES:

A. Exposed piping at plumbing fixtures: Chrome plated brass pipe.

B. Pipe sleeves and plates:

1. Provide sleeves made from steel pipe or tubing for all pipes passing through concrete floors or walls. Sleeves for partitions shall be a minimum of 24 USS gauge galvanized iron. Size for outside diameter of insulation.

2. Fit uninsulated pipe passing through or entering from floors, finished walls, or ceilings with heavy cast brass, chrome plated escutcheons firmly secured to pipes with set screws.

D. Air Chambers:

1. Branch air chambers: Provide air chambers for hot and cold water branch piping of the same materials and the next larger diameter than the supply pipe.

2. Hot and cold water riser air chambers: Provide air chambers for hot and cold water riser minimum 1–1/2" pipe trade size by 24" high.

3. Contractor's option: Provide factory fabricated water hammer eliminators sized and located in accordance with plumbing and drainage institute standard "WH–201" bearing the seal of P.D.I.

4. Access doors: Provide access doors or panels of suitable size for ready servicing of water hammer arrestors, valves, and other devices where concealed in partitions.

2–10 INSULATION

A. Domestic hot and cold water: Insulate all pipe, fittings, and valves with factory molded fiberglass insulation 1" * thick for pipe sizes of 1–1/4" and less, 2" * thick for pipe sizes 1–1/2" and greater with white vapor barrier jacket.

** Insulation shall have a conductivity (K) value not exceeding 0.27 BTU PER IN/H X FT SQUARED X DEGREE F. 2–11 HANGERS, ANCHORS, AND GUIDES:

A. Insulated pipe: Auto–grip Insul–speed hangers, Figure 800, by Fee and Mason Division, A–T–O, Inc., Manasquan, New Jersey or approved equal. Size to fit outside diameter of insulation.

B. Uninsulated pipe: Adjustable band, copper plated and plastic coated hanger, Figure 381, Fee and Mason Division, A–T–O, Inc., Manasquan, New Jersey or approved equal.

C. Anchors and rods: Support by approved rods and anchors from building members. Perforated metal tape is prohibited.

2–12 JOINT MATERIALS;

A. Hubless cast iron pipe joints: For above ground pipe, stainless steel couplings, per CISPI 301–82.

B. Compression gaskets: For below ground, cast iron hub and spigot pipe and fittings as approved.

C. Solder: ASTM B32–83, 95–5, tin–antimony, the use of solder containing more than 0.20 percent lead will not be permitted.

2–13 PLUMBING FIXTURES:

A. General: Color shall be white. Fixtures shall be complete with all required specialties, trim, supports, and related items. Provide screwdriver operated stops and escutcheons on all piping brass P–trap with tubing drain to wall. Size to match tailpiece with chrome plated escutcheon. Products manufactured by American Standard, Kohler, or Eljer are acceptable.

B. Refer to construction documents for further specifications.

2–14 PIPE IDENTIFICATION:

A. Pipe marking:

1. All visible piping located in accessible spaces such as equipment rooms, ceiling space, under floor spaces, etc., shall be identified with all temperature pipe markers as manufactured by W.H. Brady Company, 431 West Rock Ave., New Haven, Connecticut or approved equal.

2. Pipe shall be marked as follows:

COLOR	SYSTEM
Green	Sanitary sewer
Blue	Domestic cold water
Yellow	Domestic hot water
Red	Fire protection
Yellow	Gas

PART III: EXECUTION

3–1 GENERAL:

A. Locate equipment requiring service and maintenance in fully accessible positions. furnish access doors for this purpose if required.

B. Runs and arrangement of piping shall be as shown, subject only to such changes and modifications as may be necessary to suit actual conditions at the building, to avoid interference or conflict with work of other sections. Install piping concealed in floor or in wall construction or excavations to prevent delay to other work and to allow ample time for necessary tests and approvals.

C. Carefully check installations against structural, architectural, and mechanical drawings and note where walls, ceilings, beams, and pipe shafts are furred or enclosed. Piping shall not be furred in or covered before testing, inspection and approval.

D. Hang horizontal piping runs from construction and above ceilings. Locate as closely as possible to structural members or bottom of slabs or beams to obtain maximum head room. If piping interferes with finished ceiling or wall surfaces, the Engineer shall be notified, and no work shall be installed until approved.

E. Make joints between dissimilar piping by dielectric unions or flanges.

F. Use reducing fittings wherever a change in pipe size occurs. The use of bushings will not be permitted.

3–2 INSTALLATION OF SANITARY SYSTEM:

A. Pitch cast iron pipe within the building, minimum of 1/8" per foot for piping 4" and larger and 1/4" per foot for pipe 3" and smaller, in the direction of flow. Make changes in direction of drainage lines with 45° wyes, long turn wyes, or sweep bends. Use long turn fittings wherever space conditions permit. Provide waterproofing around all lines penetrating through foundation walls and floor slabs.

B. Check and verify all inverts of lines at connection points prior to the the installation of the various piping systems.

C. Install traps on fixtures and equipment requiring connection to the sanitary system. Traps shall be of same size as the pipe on which they occur. Provide clean outs for all traps. Vent traps as shown and as required by local codes.

D. Cleanouts: Provide at each change in direction and on a minimum of 75 foot centers at horizontal runs, or as stated in local code. Cleaning screws, deck plates, and other plugs shall be made up with graphite and oil only; use no grease or cement.

E. Pitch vent lines to allow for condensation drainage.

F. Where vent piping runs concealed in partitions, obtain exact dimensions and locations of partitions and use special care to ensure that lines are maintained in their proper locations and alignment.

G. Flashing: Flash vents penetrating the roof structure with 6 pound sheet lead. Extend flashing riser beyond top of vent and turn over and roll down inside of pipe vent a minimum of 1" with skirt extending on all sides of the vent a minimum of 8".

3–3 INSTALLATION OF COLD WATER SYSTEM:

Install cold water system as shown. Piping shall traverse the building at the locations shown or as required to service fixtures requiring cold water and with the pipe sizes shown or specified. The service shall be valved at the point shown. Locate underground service a minimum of 3 feet below grade. Fit pipe connections to mechanical equipment with unions for ease of dismantling. Conceal cold water piping in finished areas.

3–4 INSTALLATION OF HOT WATER SYSTEM:

Begin the installation of the hot water piping system at the water heater and traverse the building at the locations shown or as required to service fixtures requiring hot water and with the pipe sizes indicated. Fit piping around the heater and equipment with sufficient number of unions to ensure easy dismantling for maintenance. Conceal hot water piping in finished areas.

3–5 HANGERS, ANCHORS, GUIDES:

A. Support piping to maintain required grading and pitching of lines to prevent vibration, and to secure piping in place. Arrange to provide for expansion and contraction.

B. The spacing of hangers shall not be greater than 10 feet on center for pipe larger than 1 inch; 8 feet for 1 inch pipe; 6 feet for pipe 3/4" and smaller. Same spacing shall apply to gas or other piping on roof.

C. support vertical lines at bases by an approved hanger placed in the horizontal line near the riser.

D. Do not hang piping from the ductwork or piping of other trades. A common trapeze, properly supported and pitched, may be used.

E. Make pipe sleeves watertight with 25 year siliconized sealant joints on both sides of foundation wall.

3–6 INSTALLATION OF PLUMBING FIXTURES:

A. Protect fixtures and equipment during construction. Replace if damaged.

B. Set fixtures level and square with relation to interior finish, floor, and and wall lines. Space toilet room fixtures equidistant and at the same height from floor as shown.

C. Cover metal fixture trimmings with non–corrosive grease or approved protective tape and maintain until construction work is complete. Upon completion, remove protection and labels; clean and polish fixtures and trimmings.

3–7 DISINFECTION OF WATER SYSTEM:

Disinfect all water piping and equipment upon completion of piping installation in accordance with the requirements of the AWWA and local water authority. Following disinfection, flush water from the system through its extremities. Continue flushing until samples show the quality is comparable with the public water supply and complies with requirements of the public health authority having jurisdiction.

3–8 TESTING OF PLUMBING PIPING SYSTEMS:

A. During the progress of the work and upon completion, tests shall be made as specified herein and as required by authorities having jurisdiction.

B. Tests shall be conducted as part of this work and shall include all necessary instruments, equipment, apparatus, and service as required to perform the tests with qualified personnel.

C. Tests shall be performed before piping of various systems have been covered or furred–in. For insulated piping systems testing shall be accomplished prior to the application of insulation.

D. Leaks, damage, or defects discovered or resulting from test shall be repaired or replaced to a like new condition. Leaking pipe joints, or defective pipe, shall be removed and replaced with acceptable materials. Test shall be repeated after repairs are completed and shall continue until such time as the entire test period expires without the discovery of any leaks.

E. Domestic Water

1. Pressure test at one and one half times the normal working pressure or 125 p.s.i.g. whichever is the greater, for 24 hours.

F. Sanitary soil, waste, vents, and storm sewer

1. For pipe in ground, all joints shall be exposed and the piping system filled with water to a verifiable and visible level to 10' above the lowest portions of the system being tested.

2. Piping above grade and on multi–level buildings only one floor level shall be tested at a time. Each floor shall be tested from a level below the structure of the floor to a level of the top of the highest vent. The pipes for the level being tested shall be filled with water to a verifiable and visible uppermost level and be allowed to remain so for 24 hours. There shall be no perceptible lowering of the water level in the system being tested.

END OF SECTION

EED ENGINEERING, INC.
T.B.P.E. FIRM REGISTRATION #12716
MEP ENGINEERING
INDUSTRIAL, COMMERCIAL AND RESIDENTIAL
EDGAR@EEDENGINEERINGINC.COM
(956) 645-4750
1119 FLORES AVE., SUITE 300, LAREDO, TX 78040

MECHANICAL, ELECTRICAL, & PLUMBING

EDGAR E. DEANDA
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