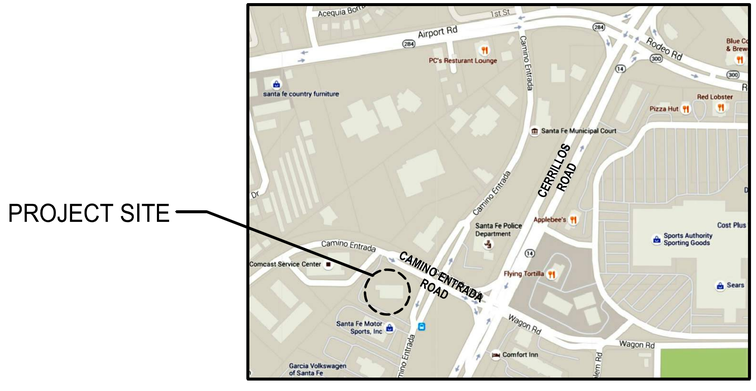
NEW SOUTHSIDE TRANSIT CENTER

CITY OF SANTA FE

CIP PROJECT #667

BID DOCUMENTS SUBMITTAL

CITY OF SANTA FE PUBLIC WORKS
2521 CAMINO ENTRADA
SEPTEMBER 2020



VICINITY MAP

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PROJECT NO.
R304054.01

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APPROVED BY: TRANSIT DIVISION DIRECTOR	DATE
APPROVED BY: PUBLIC WORKS DEPARTMENT DIRECTOR	DATE
APPROVED BY: FACILITIES DIVISION DIRECTOR	DATE
REVIEWED BY: ADA COORDINATOR	DATE
REVIEWED BY: HISTORIC PRESERVATION OFFICER	DATE

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CODE DATA

PROJECT ADDRESS: 2521 CAMINO ENTRADA
SANTA FE, NEW MEXICO

APPLICABLE CODES:
INTERNATIONAL BUILDING CODE – 2015 EDITION
INTERNATIONAL EXISTING BUILDING CODE – 2015 EDITION
NEW MEXICO BUILDING CODE – 2015 EDITION
INTERNATIONAL PLUMBING CODE – 2012 EDITION
INTERNATIONAL MECHANICAL CODE – 2012 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE – 2009 EDITION
NATIONAL ELECTRICAL CODE – 2014 EDITION
STATE OF NEW MEXICO ELECTRICAL CODE – 2014 EDITION
ICC/ANSI A117.1 – 2009 EDITION

OCCUPANCY CLASSIFICATION: B, BUSINESS 9,432 S.F.

CONSTRUCTION TYPE: TYPE II–B
LEVEL 3 ALTERATION PER 2015 INTERNATIONAL EXISTING BUILDING CODE

AREA CALCULATIONS:

TYPE II–B PER SECTION 506 & TABLE 506.2
EXISITING BUILDING AREA: 9,432 SF UNSPRINKLED
TABLE 506.2 – MAX. SF = 13,500 SF UNSPRINKLED

FIRE SPRINKLER SYSTEM: (IBC–20159 TABLE 503)

NON SPRINKLERED, ONE–STORY BLDGS: THE AREA OF A F–2 OR S–2 BUILDING NO MORE THAN ONE–STORY IN HEIGHT SHALL NOT BE LIMITED WHERE THE BUILDING IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH.

EXTERIOR WALL RATING

NON RATED EXTERIOR WALL (IBC – 2015 TABLE 602)

CORRIDORS:

NON RATED (IBC – 2015 TABLE 1018.1)

DISTANCE TO EXITS:

EXIT ACCESS TRAVEL DISTANCE: (IBC–2015 TABLE 1017.2.)

	REQUIRED	PROVIDED
WITHOUT SPRINKLER SYSTEM:	300 feet	< 250 feet

BUILDING HEIGHT (IBC – 2015 TABLE 504.4)

ALLOWABLE: TWO STORY ACTUAL: EXISTING: ONE STORY

OCCUPANT LOADS (IBC–2015 TABLE 1004.1.2)

OFFICE	9,432 SF (1/100 SF)	= 94
	TOTAL OCCUPANCY LOAD	**= 94**

EXIT WIDTH PROVIDED:

TABLE 1005.1

FIRST FLOOR REQUIRED 94 x .2 = 19 ÷ 12 = 1.56 LINEAL FEET OF DOOR.
PROVIDED: 15 LINEAL FEET

MINIMUM WIDTH PER DOOR = 36" (PER IBC–2015 1008.1.1)

NUMBER OF EXITS PROVIDED:

TABLE 1006.3.1

	EXITS REQUIRED	EXITS PROVIDED
FIRST FLOOR:	2	5

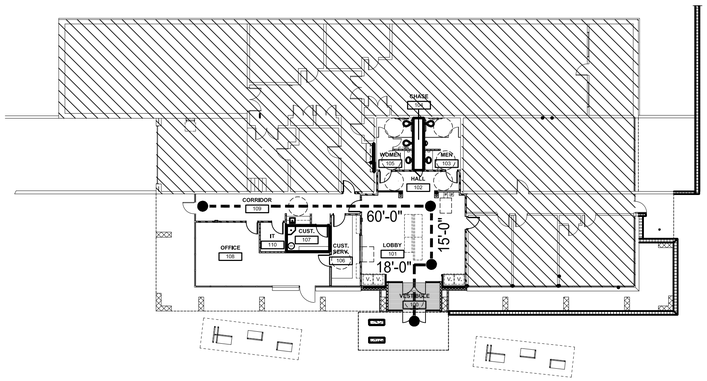
PLUMBING FIXTURE CALCULATIONS

(IBC–2015 TABLE 2902.1)

B BUSINESS:
94 OCC./2 = 47 OCC.)

	FEMALE	MALE
REQUIRED		
• WATER CLOSETS:	1 (1 PER 25)	1 (1 PER 25)
• LAVATORIES:	1 (1 PER 40)	1 (1 PER 40)
PROVIDED		
• WATER CLOSETS:	1	1
• LAVATORIES:	1	1
• URINAL:		1

	REQUIRED	PROVIDED
• DRINKING FOUNTAINS:	1	2
• SERVICE SINK:	1	1



FLOOR PLAN

SYMBOL LEGEND

DRAWING BLOCK TITLE — XX DWG. TITLE, SCALE:

SECTION INDICATOR — XX / X–XXX

ELEVATION INDICATOR — XX / X–XXX

INTERIOR ELEVATION INDICATOR — A, D, C, B; XX / X–XXX

DETAIL INDICATOR — XX / X–XXX

NORTH INDICATOR

ROOM NAME & NUMBER — ROOMNAME X100

DOOR TYPE – SEE DOOR & FRAME SCHEDULE ON SHEET A–603 — 100

WINDOW FRAME TYPE SEE SHEET A–602 — X

WALL/PARTITION TYPE SEE PARTITION SCHEDULE ON SHEET A–601 — X

SHEET KEYNOTE SYMBOL — X

TOILET ACCESSORY TYPE — X

REFERENCE KEYNOTE SYMBOL — XX XX XX.M

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SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

1	07/30/2020	BID DOCUMENTS

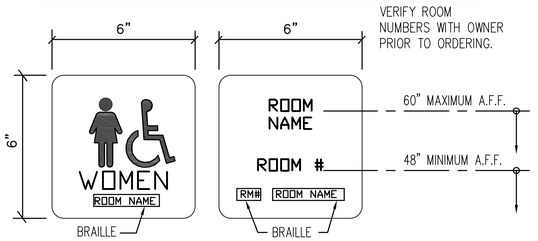
CODE DATA AND LEGEND

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ROOM SIGNAGE



LOCATION OF TACTILE SIGNAGE
Where a tactile sign is provided at a door, the sign shall be 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 leaves, the sign shall be to the right of the right-hand door. Where there is no wall space on the latch side of a single door, or to the right side of double doors, signs shall be on the nearest adjacent wall.

CHARACTER PROPORTION
Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a stroke-width-to-height ratio between 1:5 and 1:10, utilizing an upper-case "X" for measurement.

CHARACTER HEIGHT
Letter and number heights for room signs shall be 1 inch in height.

PICTOGRAMS
Where pictograms are required, they shall have a 6 in minimum size measured at the border. Where text descriptors for pictograms are required, they shall comply with the tactile character provisions as set forth below.

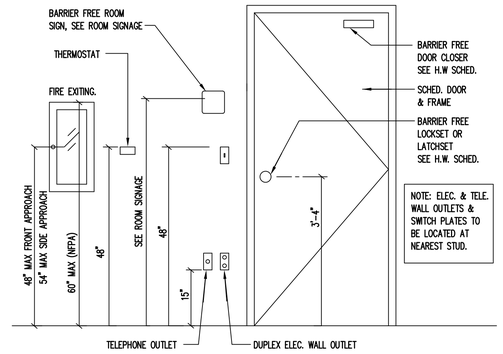
FINISH AND CONTRAST
The characters, symbols and background of signs shall be eggshell, matte, or other non-glare finish. Characters and symbols shall contrast with their background, with blue characters and symbols on a white background.

TACTILE CHARACTERS OR SYMBOLS
Raised characters, symbols and Braille shall comply with provisions as set forth below.

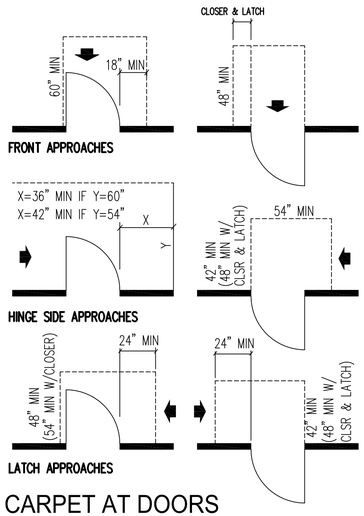
RAISED CHARACTERS AND SYMBOLS
Characters and symbols on tactile signs shall be raised 1/32 in minimum. Raised characters and symbols shall be in uppercase characters. Raised characters and symbols shall 5/8 in high minimum, and 2 in maximum. Raised characters and symbols shall be accompanied by Braille in accordance with provisions as set forth below.

BRAILLE
Braille shall be separated 1/2 in minimum from the corresponding raised characters or symbols. Braille shall be Grade II and shall conform to Specification #800, National Library Service, Library of Congress.

DOOR AND MISC.



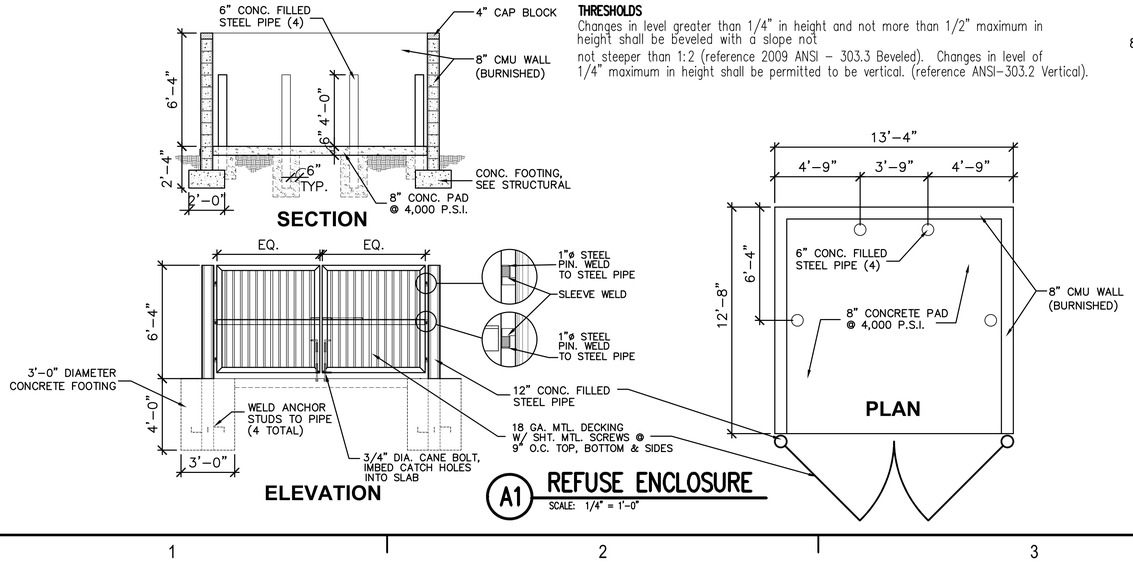
CLEARANCE AT DOORS



CARPET AT DOORS

CARPET
Carpet or carpet tile used on a ground or floor surface 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, level cut pile, or level cut/uncut pile texture. Pile heights shall be 1/2 in. maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim along the entire length of the exposed edge.

THRESHOLDS
Changes in level greater than 1/4" in height and not more than 1/2" maximum in height shall be beveled with a slope not not steeper than 1:2 (reference 2009 ANSI – 303.3 Beveled). Changes in level of 1/4" maximum in height shall be permitted to be vertical. (reference ANSI-303.2 Vertical).



GENERAL SELECTIVE DEMOLITION NOTES

1. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH DEMOLITION WORK WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO THE TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.

2. BY CAREFUL STUDY OF THE DRAWINGS AND FIELD CONDITIONS, DETERMINE THE LOCATION AND EXTENT OF SELECTIVE DEMOLITION TO BE PERFORMED. CAREFULLY IDENTIFY LIMITS OF SELECTIVE DEMOLITION AND MARK INTERFACE SURFACES AS REQUIRED TO ENABLE WORKERS TO IDENTIFY ITEMS TO BE REMOVED AND ITEMS TO BE LEFT IN PLACE INTACT.

3. THE OWNER SHALL HAVE "FIRST RIGHT OF REFUSAL" ON ALL SALVAGEABLE ITEMS. AFTER THE OWNER HAS BEEN NOTIFIED AND GIVEN FIVE (5) DAYS TO REMOVE OR IDENTIFY ANY ITEMS THE OWNER WANTS, ALL ITEMS NOT INDICATED TO BE REUSED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY, WILL BECOME THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED FROM THE PROJECT SITE.

4. USE MEANS NECESSARY TO PREVENT DUST FROM BECOMING A NUISANCE TO THE PUBLIC AND TO OTHER AREAS NEAR THE SITE.

5. COORDINATE SCHEDULING AND EXACT LOCATIONS OF TEMPORARY ENCLOSURES PRIOR TO THEIR INSTALLATION, WITH THE OWNER. MAINTAIN EXIST. FIRE EXITS DURING CONSTRUCTION OR PROVIDE NEW TEMPORARY EXITS AS REQUIRED.

6. USE WATER MIST, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION.

7. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE THE START OF SELECTIVE DEMOLITION IF REQUIRED. CONTRACTOR TO SUBMIT DOCUMENTATION (PHOTO'S, ETC.) OF EXISTING DAMAGE IN AREAS TO REMAIN PRIOR TO START OF DEMOLITION ACTIVITIES.

8. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE BUILDING OR PORTIONS OF THE BUILDING TO BE SELECTIVELY DEMOLISHED. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES WHERE UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANCONED, PROVIDE PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE TO OTHER PARTS OF THE BUILDING. CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP, VALVE, OR PLUG AND SEAL THE REMAINING PORTION OF PIPE OR CONDUIT AFTER BYPASSING. DO NOT START SELECTIVE DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAS BEEN COMPLETED. ALL UTILITY SHUTOFFS WILL REQUIRE THE PRIOR APPROVAL OF THE OWNER.

9. MAINTAIN EXISTING UTILITIES TO AREAS THAT ARE TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE OWNER AND AUTHORITIES HAVING JURISDICTION.

10. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, PARKING LOTS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED PORTIONS OF THE FACILITIES. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE PREMISES ON A DAILY BASIS, OR AS APPROPRIATE A DUMPSTER SHALL BE PROVIDED. IN AN ENCLOSED, SECURE, FENCED AREA.

11. DO NOT CLOSE OR OBSTRUCT STREETS, PARKING LOTS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED PORTIONS OF THE FACILITIES WITHOUT PERMISSION FROM THE OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAY AS REQUIRED BY GOVERNING REGULATIONS.

12. SHUT OFF, CAP AND OTHERWISE PROTECT EXISTING PUBLIC UTILITY LINES IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUBLIC AGENCY OR UTILITY COMPANIES HAVING JURISDICTION.

13. ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION. ALL ON-SITE TEMPORARY FENCING SHALL BE SIX (6 FT.) FOOT HIGH, PANELIZED CHAIN LINK FENCING. ALL TEMPORARY FENCING SHALL BE SECURE IN PLACE, IN GOOD CONDITION AND ACCEPTABLE TO THE OWNER. ALTERNATIVE TYPES OF FENCING IN SELECT LOCATIONS MAY BE CONSIDERED SUBJECT TO THE OWNER'S APPROVAL.

14. PROVIDE TEMPORARY WEATHER PROTECTION, DURING THE INTERVAL BETWEEN DEMOLITION AND REMOVAL OF EXISTING CONSTRUCTION, ON EXTERIOR SURFACES AND NEW CONSTRUCTION TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO STRUCTURE OR INTERIOR AREAS.

15. USE ONLY THOSE SPECIALLY DESIGNED TOOLS FOR THE PARTICULAR DEMOLITION TASK THAT WILL RESULT IN THE LEAST AMOUNT OF TIME, NOISE, COLLATERAL DAMAGE, COST, ETC. WHILE MAINTAINING THE MAXIMUM AMOUNT OF SAFETY TO WORKERS, THE PUBLIC AND THE BUILDING. THE USE OF INAPPROPRIATE TOOLS OR METHODS FOR A PARTICULAR DEMOLITION TASK WILL NOT BE ALLOWED.

16. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED ON THE DRAWINGS. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS :

   A. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. TO MINIMIZE DISTURBANCE OF ADJACENT SPACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN AS REQUIRED.

   B. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXISTING FINISHED SURFACES.

   C. PRIOR TO ANY HOT WORK, CONTRACTOR SHALL OBTAIN THE NECESSARY APPROVAL FROM THE OWNER. DO NOT USE CUTTING TORCHES UNTIL THE WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITIONS AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES IN ALL CONSTRUCTION AREAS. DURING FLAME-CUTTING OPERATIONS. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.

   D. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS. CUT CONCRETE AND MASONRY AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING POWER-DRIVEN MASONRY SAW OR HAND TOOLS, DO NOT USE POWER-DRIVEN IMPACT TOOLS.

   E. REMOVE AND TRANSPORT DEBRIS IN COVERED CONTAINERS AND IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS, DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS. TRANSPORT DEMOLISHED MATERIALS OFF APS PROPERTY AND LEGALLY DISPOSE OF THEM. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.

   F. PATCH AND REPAIR HOLES AND DAMAGED SURFACES CAUSED TO ADJACENT CONSTRUCTION BY SELECTIVE DEMOLITION OPERATIONS WHERE REPAIRS TO EXISTING SURFACES ARE REQUIRED, PATCH TO PRODUCE SURFACES SUITABLE FOR NEW MATERIALS AND FINISHES. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO ADJOINING CONSTRUCTION TO REMAIN IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING. PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE SPACE WHERE DEMOLISHED WALLS OR PARTITIONS EXTEND FROM ONE FINISHED AREA INTO ANOTHER. PROVIDE A FLUSH AND EVEN SURFACE OF UNIFORM COLOR AND APPEARANCE.

17. ASBESTOS REMOVAL WORK IS NOT REQUIRED IN THIS CONTRACT. OWNER WILL REMOVE OR PROPERLY ENCAPSULATE ANY KNOWN ASBESTOS MATERIAL PRIOR TO CONSTRUCTION PER THE PROJECT MANUAL. IF THERE IS ANY QUESTION AS TO THE POSSIBILITY IF SOME ASBESTOS CONTAINING MATERIAL (SUCH AS THE PLUMBING INSULATION FITTINGS ON PIPING, PLASTER IN THE EXISTING WALL AND CEILING SYSTEMS, V.A.T. FLOOR TILE, BUILDING MATERIALS, ETC.) THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER PRIOR TO CONTINUING ANY CONSTRUCTION ACTIVITY. DO NOT SEND WORKMEN TO WORK IN ANY AREA WHERE THERE IS A RISK OF ASBESTOS.

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STATE OF NEW MEXICO — JOHN L. ROBARD — No. 1658 — REGISTERED ARCHITECT

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SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

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GENERAL SELECTIVE DEMO. NOTES & INFO.

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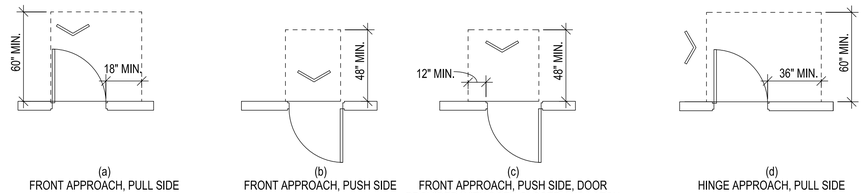


FIG. 404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

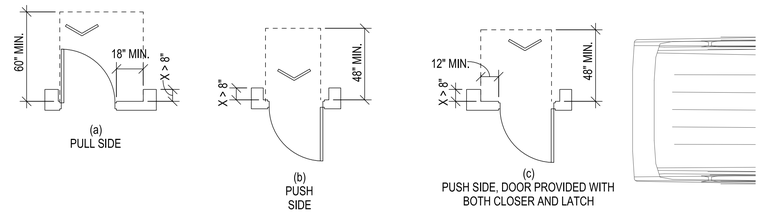


FIG. 404.2.4.3
MANEUVERING CLEARANCES AT RECESSED DOORS AND GATES

B1 MANEUVERING CLEARANCES AT DOORS
1/4" = 1'-0"



FIG. 703.7.2.1
PROPORTIONS INT. SYMBOL OF ACCESSIBILITY

FIG. 703.7.2.2
INT. SYMBOL OF TTY

FIG. 703.6.1
PICTOGRAM FIELD

FIG. 703.7.2.4
INT. SYMBOL OF ACCESS FOR HEARING LOSS

FIG. 703.7.2.3
VOLUME CONTROL TELEPHONE

FIG. 703.7.2
INTERNATIONAL SYMBOLS

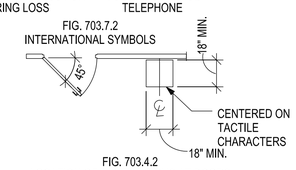


FIG. 703.4.2
LOCATION OF TACTILE SIGNS AT DOORS

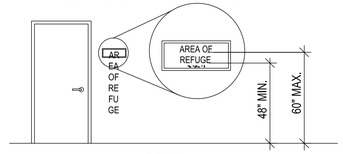


FIG. 703.4.1
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND

TABLE 703.5.5 VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 IN. (1015MM) TO LESS THAN OR EQUAL TO 70 IN.(1780 MM)	LESS THAN 72 IN. (1830 MM)	5/8 IN. (16 MM)
40 IN. (1015 MM) TO LESS THAN OR EQUAL TO 70 IN. (1780 MM)	72 IN. (1830 MM) AND GREATER	5/8 IN (16 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT (305 MM) OF VIEWING DISTANCE ABOVE 72 IN. (1830 MM)
GREATER THAN 70 IN (1780 MM) TO LESS THAN OR EQUAL TO 120 IN (3050 MM)	LESS THAN 180 IN (5470 MM)	2 IN (51 MM)
GREATER THAN 70 IN. (1780 MM) TO LESS THAN OR EQUAL TO 120 IN (3050 MM)	180 IN. (4560 MM) AND GREATER	2 IN. (51 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT (3-5 MM) OF VIEWING DISTANCE ABOVE 180 IN. (4570 MM)
GREATER THAN 120 IN. (3050 MM)	LESS THAN 21 FEET (6400 MM)	3 IN. (75 MM)
GREATER THAN 120 IN. (3050 MM)	HORIZONTAL VIEWING DISTANCE	3 IN. (75 MM), PLUS 1/8 IN. (3.2 MM) PER FOOT 305 MM) OF VIEWING DISTANCE ABOVE 21 FEET (6400 MM)

NOTE: ROOM SIGNAGE PER MS. LORI GROSS, ASID; FREESPIRIT CONCEPTS, INC.
PH: 303-457-2254, FAX: 303-457-4626; www.apcosigns.com

B3 ACCESSIBLE SIGNAGE
1/4" = 1'-0"

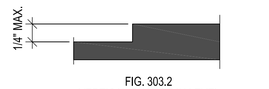


FIG. 303.2
VERTICAL CHANGE IN LEVEL

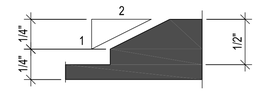


FIG. 303.3
BEVELED CHANGE IN LEVEL

C5 CHANGES IN LEVEL
1/4" = 1'-0"

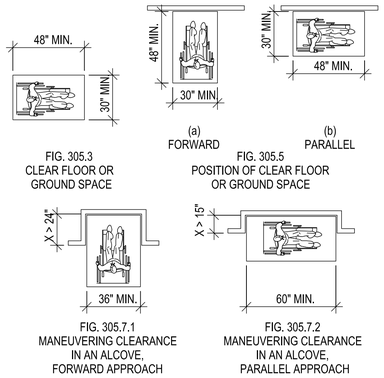


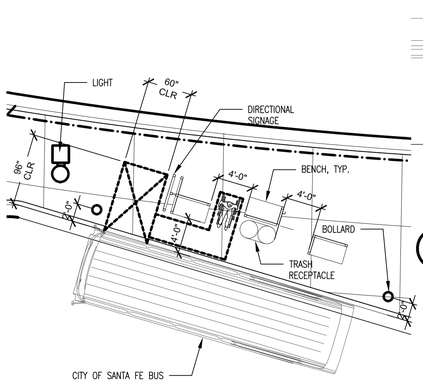
FIG. 305.3
CLEAR FLOOR OR GROUND SPACE

FIG. 305.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

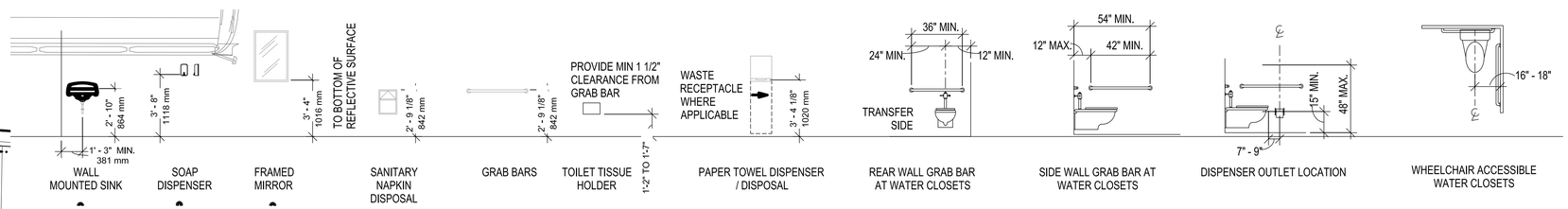
FIG. 305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

FIG. 305.7.2
MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

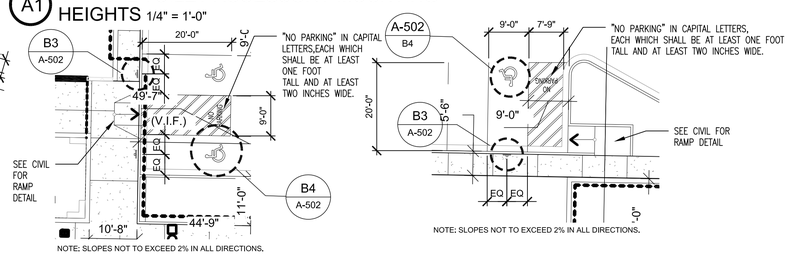
B5 CLEAR FLOOR OR GROUND SPACE
1/4" = 1'-0"



A1 TYPICAL BUS CLEARANCE
1/16" = 1'-0"



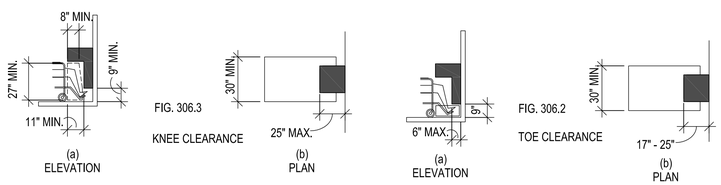
A1 TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS 1/4" = 1'-0"



A1 TYPICAL BUS CLEARANCE
1/16" = 1'-0"

A2 TYPICAL ACCESSIBLE PARKING SPACE
1/16" = 1'-0"

A3 TYPICAL ACCESSIBLE PARKING SPACE
1/16" = 1'-0"



A4 TYPICAL KNEE/TOE CLEARANCE
1/4" = 1'-0"

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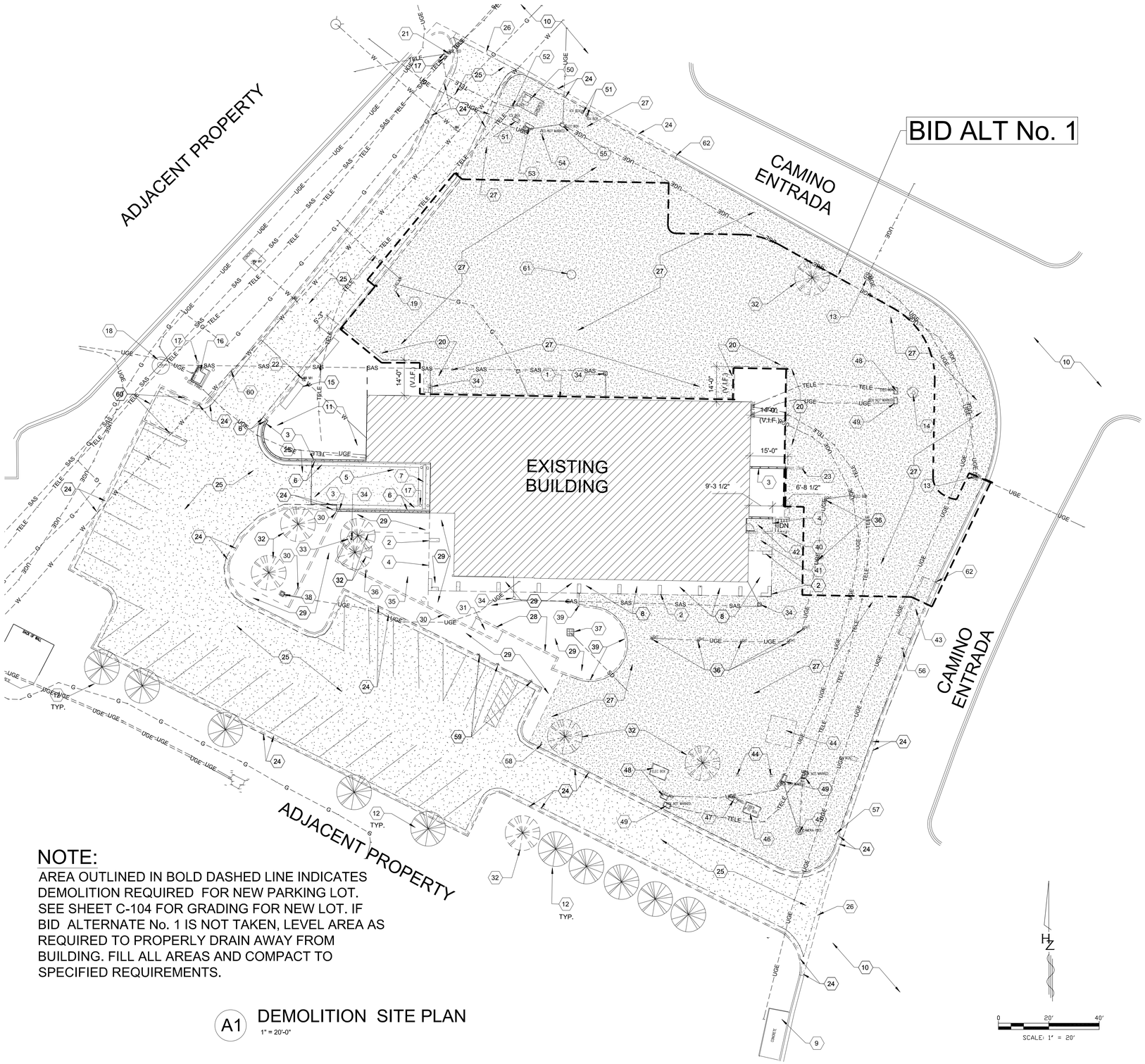
1	07/30/2020	BID DOCUMENTS

ACCESSIBILITY INFORMATION

G-004

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NOTE:

AREA OUTLINED IN BOLD DASHED LINE INDICATES DEMOLITION REQUIRED FOR NEW PARKING LOT. SEE SHEET C-104 FOR GRADING FOR NEW LOT. IF BID ALTERNATE No. 1 IS NOT TAKEN, LEVEL AREA AS REQUIRED TO PROPERLY DRAIN AWAY FROM BUILDING. FILL ALL AREAS AND COMPACT TO SPECIFIED REQUIREMENTS.

A1 DEMOLITION SITE PLAN
1" = 20'-0"

GENERAL NOTES:

A. CONTRACTOR TO VERIFY LIMITS OF DEMOLITION PRIOR TO START OF WORK.
B. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITES PRIOR TO START OF DEMOLITION.
C. SEE GRADING AND DRAINAGE PLAN FOR NEW GRADE ELEVATIONS.
D. SEE HORIZONTAL CONTROL PLAN FOR NEW PAVING ELEVATIONS.
E. IF ALTERNATE NO. 1 IS NOT ACCEPTED, GRADING AND EARTHWORK IS NOT REQUIRED IN THIS AREA. RETAINING WALLS WILL ALSO NOT BE REQUIRED IN THIS AREA.
F. THE SITE DEMOLITION WILL INCLUDE THE REMOVAL OF SEVERAL (25 TOTAL) EXISTING CONCRETE FOOTINGS IN THE SOUTHEAST PORTION OF THE SITE. THE SIZE AND DEPTH OF THESE FOOTINGS IS NOT KNOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE REMOVAL OF ALL FOOTINGS IN THIS AREA. THE SIZE OF EACH FOOTING SHALL BE ASSUMED TO BE 3' SQUARE x 3' DEEP. IF EXISTING FOOTINGS ARE MUCH LARGER, A CHANGE ORDER WILL BE PREPARED BASED ON THE ADDED COST TO REMOVE THE LARGER FOOTING(S).

SHEET KEYNOTES:

1 EXISTING BUILDING.
2 EXISTING CMU COLUMNS.
3 SPLIT FACE CMU BLOCK WALL TO REMAIN.
4 DASHED LINE REPRESENTS EXISTING EDGE OF BUILDING/STUCCO SOFFIT ABOVE.
5 SLOPING PAVING TO GARAGE TO REMAIN.
6 EXISTING CONCRETE CURB AND GUTTER.
7 EXISTING TRENCH DRAIN.
8 GRAVEL AND EARTH FILL TO REMAIN.
9 EXISTING CONCRETE APRON.
10 EXISTING STREET.
11 FINISH GRADE. (SEE GRADING & DRAINAGE DRAWING)
12 EXISTING TREE TO REMAIN. (SEE LANDSCAPING PLAN)
13 EXISTING LIGHT POLE AND FOOTING TO REMAIN.
14 REMOVE EXISTING FLAG POLE AND CONCRETE FOOTING.
15 EXISTING GABION BASKETS TO REMAIN.
16 EXISTING ELECTRICAL TRANSFORMER ON CONCRETE PAD TO REMAIN. (SEE ELECTRICAL DRAWINGS)
17 EXISTING PIPE BOLLARD TO REMAIN.
18 EXISTING SANITARY SEWER. VERIFY LOCATION AND ELEVATION.
19 EXISTING GAS METER TO REMAIN.
20 VERIFY EXTENT OF EXCAVATION REQUIRED FOR PREPARATION OF CONSTRUCTION OF NEW RETAINING WALL. (SEE GENERAL NOTE E ON THIS SHEET)
21 EXISTING TELEPHONE PEDESTAL TO REMAIN.
22 EXISTING WATER MAIN TO REMAIN.
23 SAWCUT AND REMOVE EXISTING SPLITFACE BLOCK WALL AND CAREFULLY REMOVE EXISTING PORTION OF WALL. SALVAGE REMOVED BLOCK FOR INSTALLATION AT EAST END OF REMAINING WALL AS REQUIRED.
24 REMOVE CONCRETE CURB AND GUTTER.
25 REMOVE ASPHALT PAVING.
26 REMOVE CONCRETE SWALE.
27 EXCAVATE AND REMOVE EARTH AS REQUIRED DOWN TO REQUIRED ELEVATION. (SEE GRADING AND DRAINAGE PLAN AND HORIZONTAL CONTROL PLAN)(SEE GENERAL NOTE E ON THIS SHEET)
28 REMOVE SPLITFACE CMU LOW WALL AND FOOTING.(TOP OF WALL AT +35" ABOVE CONCRETE WALK)
29 REMOVE CONCRETE WALK.
30 REMOVE SPLITFACE CMU WALL AND FOOTING TO CORNER AT JOINT.(TOP OF WALL AT +65" ABOVE CONCRETE WALK)
31 REMOVE CONCRETE RAMP.
32 REMOVE TREE.
33 REMOVE AND CAP WATER YARD HYDRANT AS REQUIRED.
34 RELOCATE SAS CLEAN OUT AS REQUIRED FLUSH WITH TOP OF CRUSHER FINES AND INSTALL NEW FLUSH ACCESS COVER AS REQUIRED.
35 REMOVE ARTIFICIAL TURF AREA.(SMALL PUTTING GREEN)
36 REMOVE LIGHT FIXTURE AND UNDERGROUND ELECTRICAL CONDUIT AS REQUIRED.
37 REMOVE CONCRETE INLET BOX AND STEEL GRATE. THE SURFACE WATER FROM RAIN, MELTING SNOW, ETC. ENTERS THE INLET AND DRAINS NORTH THROUGH AN EXISTING DRAIN PIPE CONNECTED UNDERGROUND TO THE LOW END OF INLET BOX. VERIFY THIS PIPE IS CONNECTED TO THE EXISTING UNDERGROUND PIPING TRAVELING FROM THE THREE ROOF DRAINS ON THE SOUTH SIDE OF THE BUILDING ROOF. VERIFY ALL THIS PIPING IS DRAINING TO AN EXISTING CISTERN ON THE SOUTH SIDE OF BUILDING. IF THE CISTERN DOES EXIST AND IS LOCATED AT AN ELEVATION ABOVE THE NEW CONCRETE BUS DRIVE AND/OR WALKWAYS REMOVE COMPLETELY. REMOVE EXISTING UNDERGROUND ROOF DRAIN PIPING TO CLOSEST POINT ADJACENT TO THE BUILDING AND ALLOW TO SURFACE FLOW AWAY FROM BUILDING.
38 REMOVE LIGHT POLE AND CONCRETE FOOTING.
39 REMOVE SPLIT FACE CMU RETAINING WALL. (TOP AT +35" ABOVE CONCRETE WALK)
40 REMOVE SPLIT FACE CMU LOW WALL TO EXISTING VERTICAL JOINT. 8" PORTION OF CMU WALL OUT FROM EXISTING DOOR AND WINDOW TO REMAIN. (TOP AT +40" ABOVE CONCRETE ADJACENT TO DOORWAY ENTRY)
41 REMOVE GRAVEL FROM THIS LOCATION. EXCAVATE EARTH DOWN TO REQUIRED ELEVATION AND PREPARE AREA FOR NEW CONCRETE WALK AND RETAINING WALLS.
42 REMOVE CONCRETE WALK UP TO JOINT OUTSIDE OF DOORWAY AND UP TO JOINT ALONG WALL.
43 REMOVE CONCRETE WALK AT BUS STOP.
44 REMOVE OLD SIGN CONCRETE BASE.
45 REMOVE SECURITY CAMERA AND POLE AND CONCRETE FOOTING.
46 REMOVE FIBER OPTIC BOX.
47 REMOVE ELECTRICAL PANEL. (ABOVE GROUND) (SEE ELECTRICAL DRAWINGS)
48 REMOVE ELECTRICAL BOX. (SEE ELECTRICAL DRAWINGS) (SEE GENERAL NOTE E ON THIS SHEET)
49 REMOVE UNDERGROUND UTILITY BOX. (VERIFY TYPE OF UTILITY AND WORK REQUIRED PRIOR TO EXCAVATION) (SEE GENERAL NOTE E ON THIS SHEET)
50 REMOVE CONCRETE PAD AND HATCH ACCESS TO UNDERGROUND UTILITY. PREPARE AREA TO RECIEVE NEW CONCRETE PAD WITH NEW TRAFFIC GRADE ACCESS MANHOLE COVER TO ALIGN WITH EXISTING LADDER BELOW???
51 REMOVE IRRIGATION CONTROL BOX AND PREPARE TO RECIEVE NEW TRAFFIC GRADE BOX AND ACCESS COVER FLUSH WITH TOP OF NEW CONCETE DRIVE. (SEE LANDSCAPE DRAWINGS)
52 REMOVE TELEPHONE PEDESTAL AND RELOCATE TO NEW LOCATION SHOWN ON SITE PLAN.
53 REMOVE WATER VAULT BOX(ABOVE GROUND) AND RELOCATE TO NEW LOCATION SHOWN ON LANDSCAPE PLAN.
54 REMOVE PEDESTAL (VERIFY TYPE OF UTILITY AND WORK REQUIRED PRIOR TO REMOVAL)
55 REMOVE ELECTRICAL BOX ACCESS COVER AND PREPARE TO RECEIVE NEW TRAFFIC GRADE ACCESS COVER FLUSH WITH TOP OF NEW CONCRETE DRIVE. (SEE ELECTRICAL DRAWINGS)
56 REMOVE "BUS STOP" SIGNAGE AND METAL POST.
57 REMOVE MAIL BOX AND WOOD POST.
58 REMOVE "WRONG WAY" SIGN AND WOOD POST.
59 REMOVE HANDICAP PARKING SIGNS.
60 REMOVE SPLIT FACE CMU WALL AND FOOTING. (TOP AT +42" ABOVE ASPHALT PAVING.
61 REMOVE EXISTING UNDERGROUND CISTERN ASSEMBLY AND CONCRETE ACCESS LID AT TOP. REMOVE THE UNDERGROUND PVC PIPING BETWEEN THE CISTERN AND EXISTING BUILDING WHICH CONNECTS TO THE ROOF DRAIN PIPING AT THE NORTH WALL. SAWCUT THE PIPING AS REQUIRED TO RECIEVE NEW STAINLESS STEEL DOWNSPOUT AT EACH DRAIN PIPE PENETRATING WALL. AFTER THE EXCAVATION OF THE EXISTING EARTH BERM AGAINST THE NORTH SIDE OF THE BUILDING IS COMPLETE VERIFY THE AMOUNT OF ROOF DRAIN PIPE PENETRATIONS AND ALSO CONFIRM THE ELEVATION OF THE PENETRATIONS WILL BE ABOVE THE TOP OF THE NEW CRUSHER FINES.
62 LIMITS OF REMOVAL OF CURB & GUTTER.

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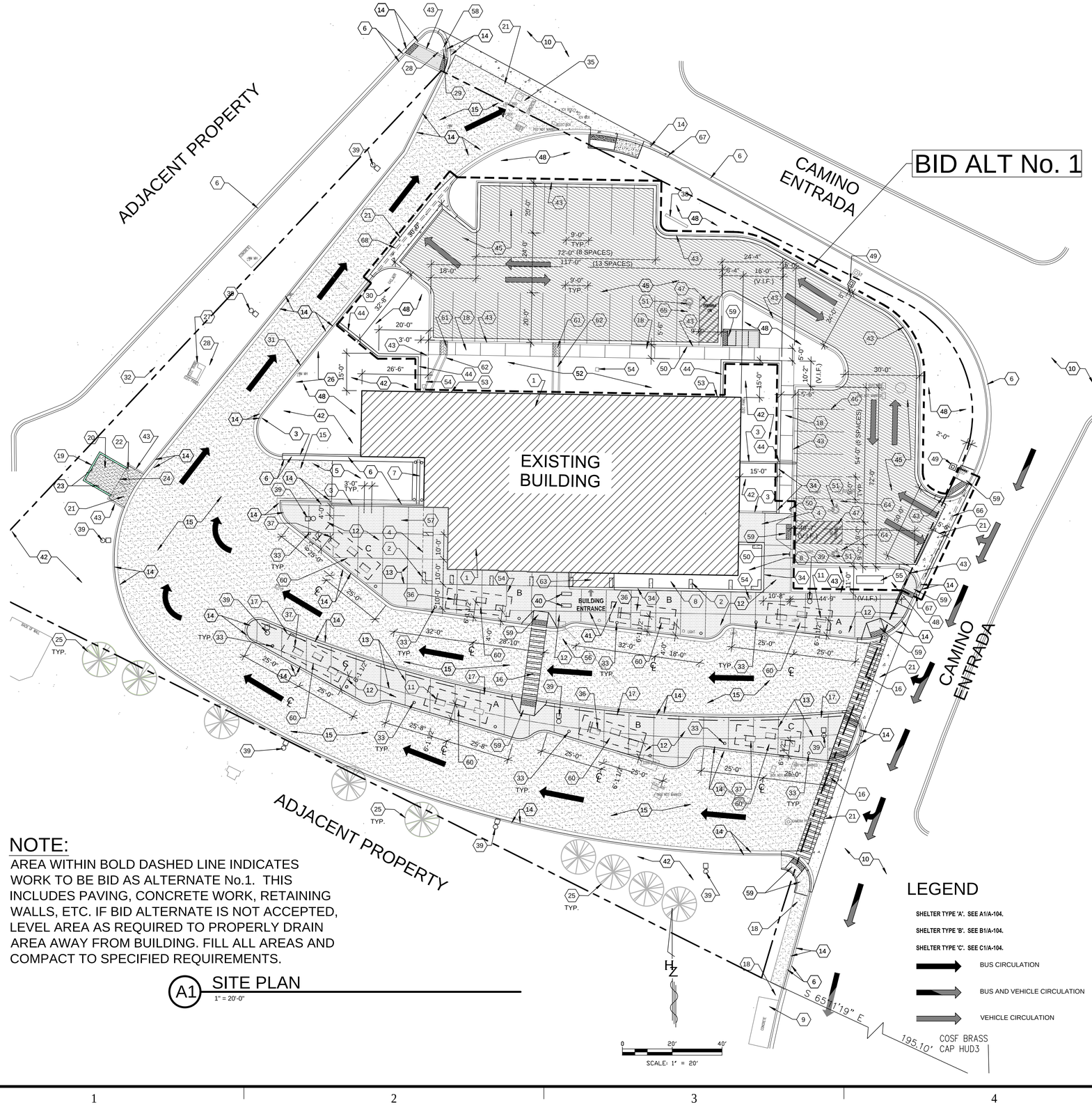
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3	02/08/18	CITY OF SF COMMENTS
2	12/04/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

DEMOLITION SITE PLAN

C-101

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NOTE:

AREA WITHIN BOLD DASHED LINE INDICATES WORK TO BE BID AS ALTERNATE No.1. THIS INCLUDES PAVING, CONCRETE WORK, RETAINING WALLS, ETC. IF BID ALTERNATE IS NOT ACCEPTED, LEVEL AREA AS REQUIRED TO PROPERLY DRAIN AREA AWAY FROM BUILDING. FILL ALL AREAS AND COMPACT TO SPECIFIED REQUIREMENTS.

A1 SITE PLAN
1" = 20'-0"

A. ADA COMPLIANCE: THE CONTRACTOR SHALL ENSURE ADA COMPLIANCE FOR CONSTRUCTION OF ADA FEATURES AND APPURTENANCES (INCLUDING, BUT NOT LIMITED TO, SIDEWALK & CURB RAMP CROSS SLOPES, RAMP SLOPES, LEVEL LANDINGS, ETC) AS DETAILED IN THE PLANS AND IN ACCORDANCE WITH REFERENCED STANDARD DRAWINGS, SPECIFICATIONS, AND ESTABLISHED ADA GUIDELINES AND STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD CHECKING SLOPES AND DIMENSIONS OF ALL FORM WORK FOR COMPLIANCE PRIOR TO INSTALLATION OF CONCRETE. THE CITY RESERVES THE RIGHT TO INSPECT ANY ADA FEATURES AND APPURTENANCES AT ANY TIME BEFORE FINAL COMPLETION OF THE PROJECT AND MAY REQUIRE THE CONTRACTOR TO REMOVE, REPLACE, AND/OR CORRECT ANY WORK AT THE CONTRACTORS EXPENSE THAT IS NOT IN COMPLIANCE, AS DETERMINED BY THE PROJECT MANAGER.
B. FOR A TYPICAL ACCESSIBLE ROUTE FROM A BUS SHELTER TO THE BUS BOARDING AREA SEE ENLARGED PLAN A1/G-004.

SHEET KEYNOTES:

1 EXISTING BUILDING.
2 EXISTING CMU COLUMNS.
3 SPLIT FACE CMU BLOCK WALL TO REMAIN.
4 DASHED LINE REPRESENTS EXISTING EDGE OF BUILDING/STUCCO SOFFIT ABOVE.
5 SLOPING PAVING TO GARAGE TO REMAIN.
6 EXISTING CONCRETE CURB AND GUTTER.
7 EXISTING TRENCH DRAIN.
8 GRAVEL AND EARTH FILL TO REMAIN.
9 EXISTING CONCRETE APRON.
10 EXISTING STREET.
11 SEATS AND CANOPY ASSEMBLY PROVIDED BY OWNER AND INSTALLED BY G.C.(SEE BUS SHELTER 'A' ON FLOOR PLAN A1/A-104)
12 NEW 4" CONCRETE PAVING. (fc = 4000 PSI MIN.)
13 NEW CONCRETE CONTROL OR EXPANSION JOINT.
14 NEW CONCRETE CURB AND GUTTER. (SEE DETAILS C1 & C3/C-501)
15 NEW 8" THICK CONCRETE BUS DRIVE. (fc = 4000 PSI MIN.)
16 NEW CONCRETE CROSSWALK PAVEMENT MARKINGS. (WHITE RAISED RETROREFLECTIVITY MATERIAL)
17 NEW 1 1/2" STEEL PIPE RAILING WITH WIRE MESH. (SEE A3 AND B3/A-301)
18 NEW 4" CONCRETE SIDEWALK.(fc = 4000 PSI MIN.)
19 NEW 8" CMU BLOCK WALL FOR REFUSE BIN ENCLOSURE. (BURNISHED) (SEE A1/G-003)
20 NEW 8" THICK CONCRETE SLAB. fc = 40OO PSI, 3/4" AGGREGATE WITH 6x6-10/10 WWM OR EQUAL)ROOF
21 NEW 8" THICK CONCRETE APRON. (fc = 4000 PSI, 3/4" AGGREGATE WITH 6X6-10/10 WWM OR EQUAL)
22 NEW 12" DIAMETER CONCRETE FILLED PIPE BOLLARDS AND METAL GATES.
23 NEW 6" DIAMETER CONCRETE FILLED PIPE BOLLARDS.
24 NEW 1/2" EXPANSION JOINT.
25 EXISTING TREE TO REMAIN. (SEE LANDSCAPING PLAN)
26 EXISTING GABION BASKETS TO REMAIN.
27 EXISTING ELECTRICAL TRANSFORMER ON CONCRETE PAD TO REMAIN. (SEE ELECTRICAL DRAWINGS)
28 EXISTING PIPE BOLLARD TO REMAIN.
29 EXISTING TELEPHONE PEDESTAL TO REMAIN.
30 EXISTING GAS METER TO REMAIN.
31 EXISTING WATER MAIN TO REMAIN.
32 EXISTING SANITARY SEWER. VERIFY LOCATION AND ELEVATION.
33 NEW 8" DIAMETER LIGHT BOLLARD.(TYPICAL)
34 NEW 12" CAST-IN-PLACE CONCRETE RETAINING WALL WITH INTEGRAL COLOR AT +36" ABOVE TOP OF EXISTING BUILDING CONCRETE SLAB ELEVATION.
35 REMOVE ELECTRICAL BOX ACCESS COVER AND PREPARE TO RECEIVE NEW TRAFFIC GRADE ACCESS COVER FLUSH WITH TOP OF NEW CONCRETE DRIVE. (SEE ELECTRICAL DRAWINGS)
36 SEATS AND CANOPY ASSEMBLY PROVIDED BY OWNER AND INSTALLED BY G.C.(SEE BUS SHELTER 'B' ON FLOOR PLAN B1/A-104)
37 SEATS AND CANOPY ASSEMBLY PROVIDED BY OWNER AND INSTALLED BY G.C.(SEE BUS SHELTER 'C' ON FLOOR PLAN C1/A-104)
38 SEE LANDSCAPING AND ELECTRICAL DRAWINGS FOR IRRIGATION SYSTEM EQUIPMENT AND INFORMATION.
39 NEW LIGHT POLE. (SEE ELECTRICAL DRAWINGS)
40 NEW CAST-IN-PLACE CONCRETE COLUMNS. (SEE A1/S-302)
41 DASHED LINES REPRESENT OUTLINE OF CANOPY ABOVE. (SEE A1/S-302 AND A-103)
42 FINISH GRADE. (SEE GRADING & DRAINAGE DRAWING)
43 NEW CONCRETE CURB.
44 NEW 12" CAST-IN-PLACE CONCRETE RETAINING WALL WITH INTEGRAL COLOR AT +72" ABOVE TOP OF EXISTING BUILDING CONCRETE SLAB ELEVATION.
45 NEW 4" THICK ASPHALT DRIVE AND PARKING.
46 NEW PARKING SPACE STRIPING.
47 NEW ACCESS ISLE STRIPING.
48 NEW LANDSCAPING AREA. (SEE LANDSCAPING DRAWIIN
49 RELOCATED LIGHT POLE ON NEW CONCRETE BASE/FOOTING. (SEE ELECTRICAL DRAWINGS)
50 NEW ADA PARKING SIGN. (SEE B3/A-502)
51 NEW ADA PARKING SYMBOL ON PAVEMENT WITH RETROREFLECTIVITY MATERIAL. (SEE B4/A-502)
52 NEW CRUSHER FINES. (SEE CIVIL AND LANDSCAPING DRAWINGS)
53 ENTIRE AREA OF THE EXISTING WALL WHICH IS EXPOSED AFTER THE EXCAVATION OF THE ADJACENT EARTH BERM REQUIRES INSTALLATION OF A NEW FINISH. INSTALL 1" STUCCO OVER METAL LATH FASTENED SECURELY AS REQUIRED TO EXISTING WALL FROM BOTTOM OF EXISTING SPLIT FACE BLOCK WALL DOWN TO 6" BELOW NEW GRADE ELEVATION. STUCCO COLOR BY ARCHITECT.
54 RELOCATE SAS CLEAN OUT AS REQUIRED FLUSH WITH TOP OF CRUSHER FINES AND INSTALL NEW FLUSH ACCESS COVER AS REQUIRED.
55 FREE STANDING SIGN. (BY OWNER)
56 NEW COVER PANEL AND UNDERGROUND VAULT FOR ACCESS TO DRAINAGE CONNECTION FROM ROOF DRAINS. INSTALL ENTIRE ASSEMBLY AS REQUIRED. MAKE TOP OF COVER PANEL FLUSH WITH TOP OF CONCRETE PAVING. COORDINATE EXACT PLACEMENT LOCATION IN FIELD WITH ARCHITECT ONCE EXISTING UNDERGROUND ASSEMBLY IS UNCOVERED.
57 NEW U SHAPE INVERTED 1 1/2" DIAMETER x 35" HIGH x 24" WIDE STEEL PIPE BICYCLE RACK WITH STEEL GROUND RAILS TO ANCHOR TO CONCRETE SLAB. (8 LOOPS TOTAL) EACH LOOP TO BE 36" APART FROM ADJACENT LOOP. INSTALL RACK UNIT 4'-0" CLEAR DISTANCE FROM ADJACENT WALL. (POWDER COAT COLOR BY ARCHITECT)
58 RELOCATED BOLLARD.
59 NEW ADA RAMP PER DETAIL D4 SHEET C-502.
60 NEW RECYCLING AND TRASH RECEPTACLE STATIONS. (SEE SPECIFICATIONS)
61 NEW SIDEWALK CULVERT. (SEE SHEET C-501)
62 NEW DRAINAGE CULVERT. (SEE SHEET C-501)
63 VESTIBULE CANOPY.
64 NEW ADA PARKING SPACE.(SEE ENLARGED PLAN A2/G-004)
65 NEW ADA PARKING SPACE.(SEE ENLARGED PLAN A3/G-004)
66 CURB & GUTTER TO REMAIN IF ALT. IS NOT ACCEPTED
67 POINT OF NEW CURB & GUTTER MATCH EXISTING CURB & GUTTER.
68 CURB & GUTTER TO BE CONSTRUCTED IF ALT. IS NOT ACCEPTED

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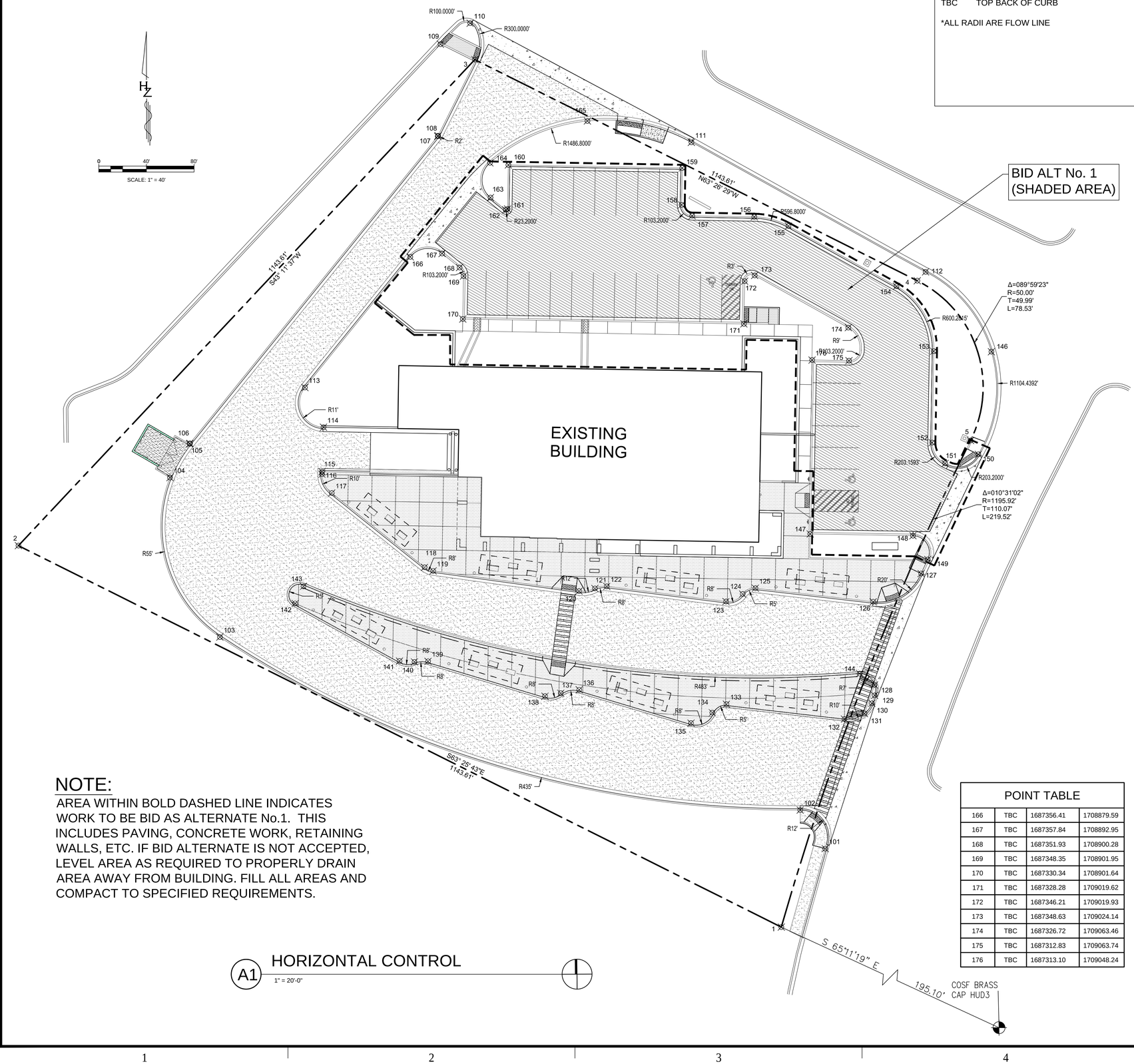
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1	02/24/17	95% REVIEW SUBMITTAL

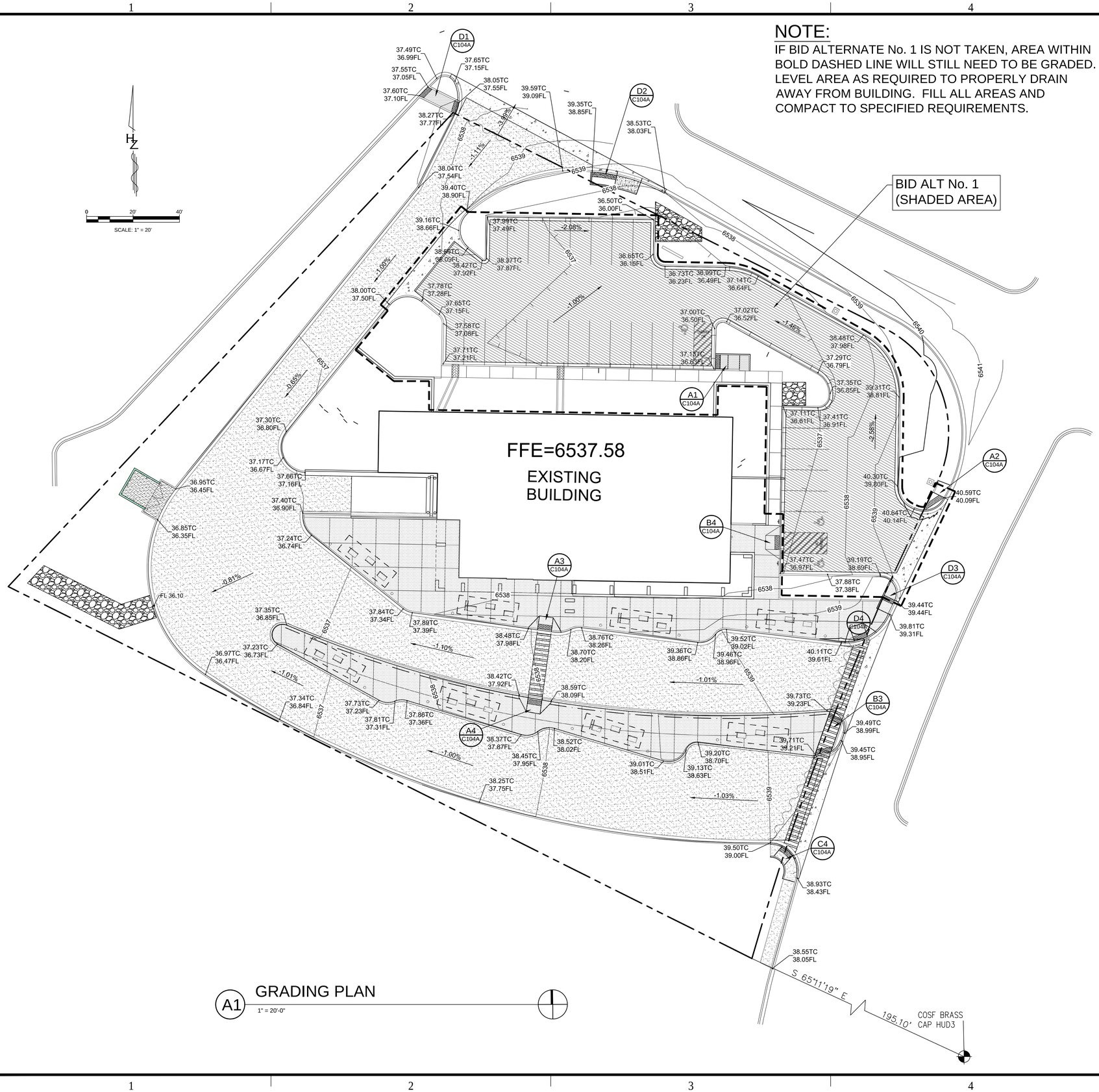
SITE PLAN

C-102

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G:\proj\R304054.01 Southside Transit\10 CADD & BIM\SHEET SET\SIC-102 - SITE PLAN.dwg - ---- - 7/30/2020 10:19 AM
7/28/2020 3:19:44 PM


EXISTING BUILDING
BID ALT No. 1 (SHADED AREA)
SCALE: 1" = 40'
0
40'
80'
N
R100.0000'
R300.0000'
R1486.8000'
1143.61'
N63° 26' 29"W
R596.8000'
R103.2000'
R23.2000'
R3'
Δ=089°59'23"
R=50.00'
T=49.99'
L=78.53'
R600.2445'
R9'
R1104.4392'
R203.1593'
R203.2000'
Δ=010°31'02"
R=1195.92'
T=110.07'
L=219.52'
R20'
R483'
R7'
R10'
R11'
R10'
R55'
R8'
R5'
R8'
R5'
R8'
R5'
R8'
R5'
R8'
R8'
R8



GENERAL NOTES

1. SEE SHEET C-104A FOR DETAILED GRADING OF ADA RAMPS.
2. EXTERIOR ACCESSIBLE ROUTES SHOULD NOT EXCEED A 5% RUNNING SLOPE. IF THE RUNNING SLOPE EXCEEDS 5% BUT IS LESS THAN 8.33%, THEN RAMP STANDARDS MAY APPLY.

LEGEND

- PROPERTY BOUNDARY LINE
- EXISTING CURB & GUTTER
- NEW CURB & GUTTER
- 6531 — MINOR DESIGN CONTOUR
- 6530 — MAJOR DESIGN CONTOUR
- EXISTING MINOR DESIGN CONTOUR
- EXISTING MAJOR DESIGN CONTOUR
- BENCHMARK
- RIPRAP WITH 5' CURB OPENING
- CONCRETE SIDEWALK
- WATERBLOCK (HIGH POINT)
- XX.XXTC / XX.XXFL — TOP OF CONCRETE ELEVATION / FLOW LINE ELEVATION
- CONCRETE PAVING
- FLOW DIRECTION

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7/28/20

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

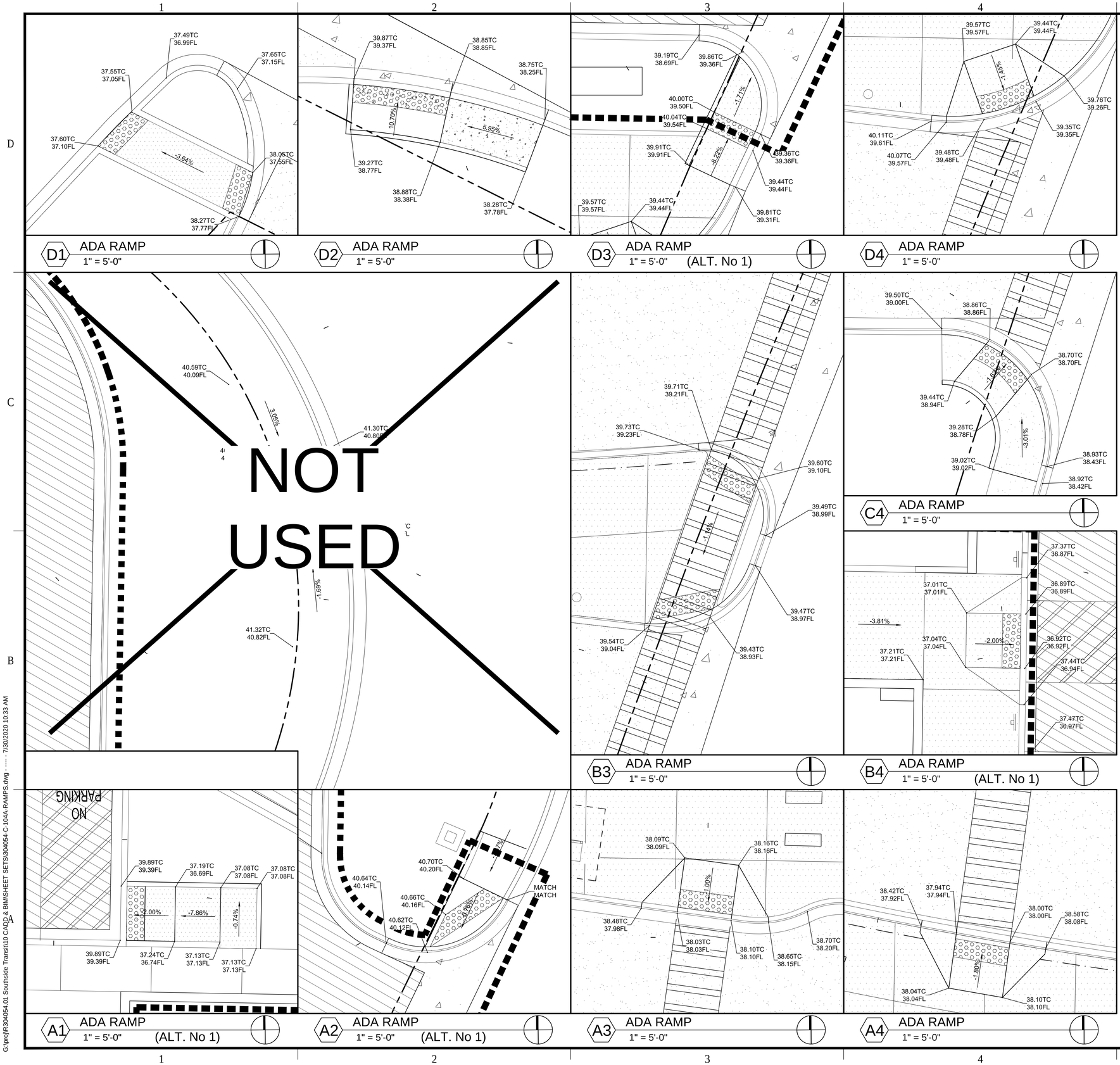
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3	02/08/18	CITY OF SF COMMENTS
2	12/04/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

GRADING PLAN

C-104

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D1 ADA RAMP 1" = 5'-0"

D2 ADA RAMP 1" = 5'-0"

D3 ADA RAMP 1" = 5'-0" (ALT. No 1)

D4 ADA RAMP 1" = 5'-0"

C4 ADA RAMP 1" = 5'-0"

B3 ADA RAMP 1" = 5'-0"

B4 ADA RAMP 1" = 5'-0" (ALT. No 1)

A1 ADA RAMP 1" = 5'-0" (ALT. No 1)

A2 ADA RAMP 1" = 5'-0" (ALT. No 1)

A3 ADA RAMP 1" = 5'-0"

A4 ADA RAMP 1" = 5'-0"

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CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

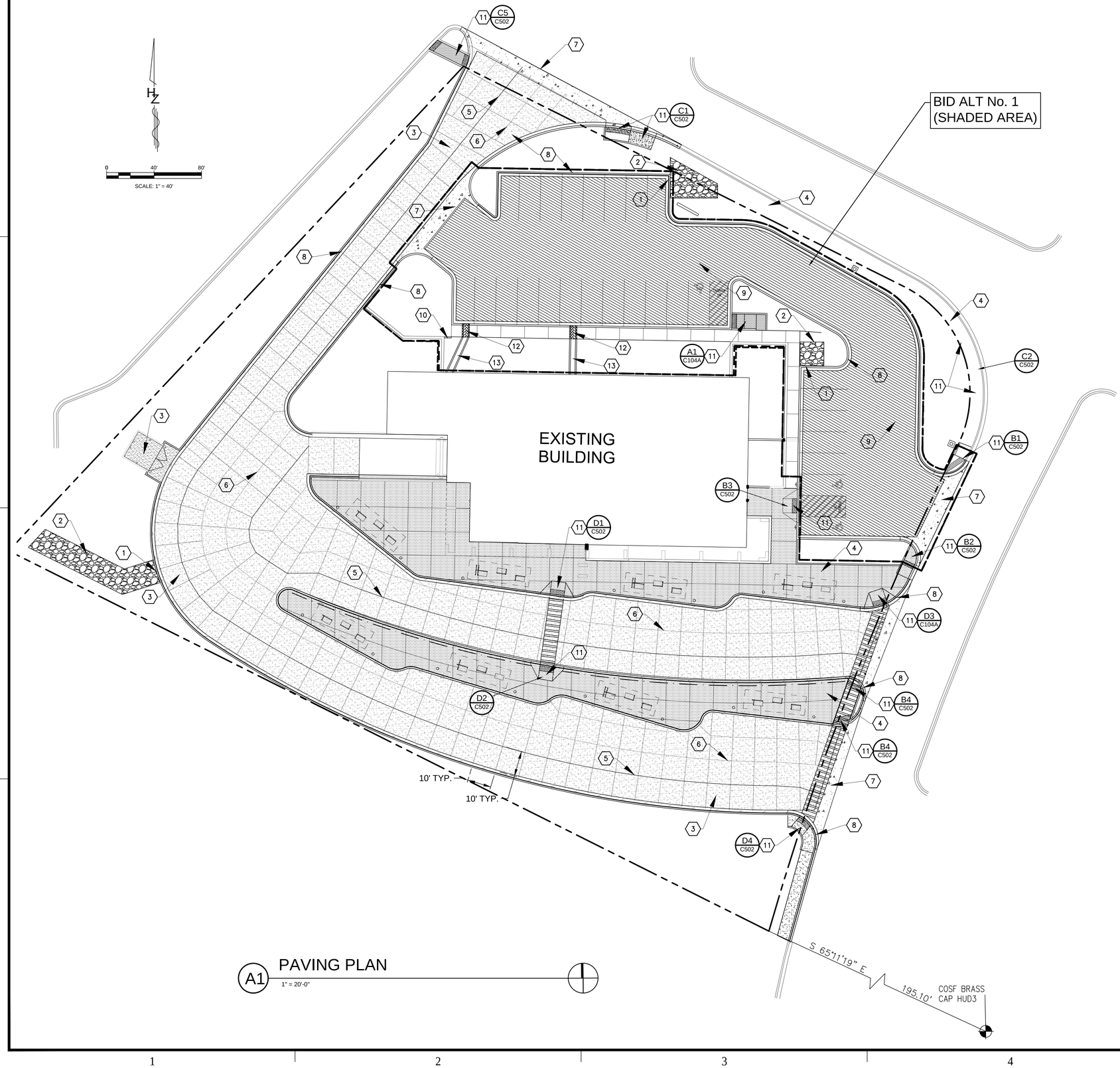
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2	12/04/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

ADA RAMP GRADING

C-104A

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A1 PAVING PLAN
1" = 20'-0"

GENERAL NOTES:

A. TRANSVERSE CONSTRUCTION JOINTS REQUIRE DOWELS WHEN 30 MINUTES OR MORE BETWEEN CONCRETE PLACEMENT.

B. THE RATIO OF THE LONG SIDE, L, TO THE SHORT SIDE, S, L:S, OF A PAVEMENT PANEL SHALL RANGE FROM 1:1 TO 1.5:1.

C. JOINT LENGTH SHALL NOT BE SHORTER THAN 1.5'.

D. THE CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT PLAN TO THE ENGINEER FOR HIS REVIEW PRIOR TO THE PLACEMENT OF ANY CONCRETE PAVEMENT. IF THE PLAN DIFFERS FROM THE JOINT PATTERN SHOWN ON THE CONSTRUCTION PLANS, THE CHANGES SHALL INCLUDE THE LOCATIONS OF MANHOLES, VALVE BOXES AND DROP INLETS, AND THE TYPE OF JOINT TO BE CONSTRUCTED.

E. CONCRETE PLACEMENT SHALL TERMINATE AT A PAVEMENT JOINT.

F. JOINTS SHALL BE SAWED AS SOON AS THE CONCRETE WILL CUT WITHOUT LEAVING A RAVELED EDGE. SAW CUTS SHALL BE CURED SAME AS THE ADJACENT CONCRETE.

G. PCC PAVEMENT BETWEEN INTERSECTIONS AND RESIDENTIAL STREETS/INTERSECTIONS SHALL BE FINISHED WITH A FULL WIDTH LONGITUDINAL COARSE TEXTURE BURLAP DRAG.

H. PLACE ½" EXPANSION JOINT FILLER IN CURB AT ALL RADIUS POINTS.

SHEET KEYNOTES:

1. 1' CURB OPENINGS.
2. CONCRETE RUNDOWN. SEE DETAIL B4 ON SHEET C-501.
3. 8" CONCRETE PAVEMENT SECTION. SEE DETAIL D3 ON SHEET C-501.
4. 6" CONCRETE SIDEWALK SECTION. SEE DETAIL D4 ON SHEET C-501.
5. DOWELED CONSTRUCTION JOINT. SEE DETAIL B3 ON SHEET C-501.
6. SEALED JOINTS. TYPICAL ALL LOCATIONS. SEE DETAIL A3 ON SHEET C-501.
7. CONSTRUCT CONCRETE VALLEY GUTTER. SEE DETAIL C1
8. CONSTRUCT 6" MEDIAN CURB & GUTTER PER DETAIL C3 ON SHEET C-501.
9. 4" ASPHALT PARKING LOT PAVEMENT.
10. 6" HEADER CURB
11. NEW ADA RAMP PER NMDOT STD. DWG. 608-001
12. 24" SIDEWALK CULVERT PER NMAPWA STD. DWG. 2236
13. 24" DRAINAGE CULVERT WITHOUT STEEL PLATE TOP PER NMAPWA STD. DWG. 2236

SPECIAL NOTE:

CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A CONCRETE JOINT PLAN BASED ON CONTRACTOR MEANS AND METHODS.

LEGEND:

- PROPERTY BOUNDARY LINE
- EXISTING CURB & GUTTER
- NEW CURB & GUTTER
- CONCRETE SIDEWALK (PLAIN COLOR)
- VALLEY GUTTER
- 8" CONCRETE PAVING
- 4" ASPHALT PAVING (PARKING)
- BENCHMARK
- SIDEWALK CULVERT
- THICKENED EXPANSION JOINTS
- TIE-BARS
- DOWELS

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SANTA FE TRAILS

CITY OF SANTA FE

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

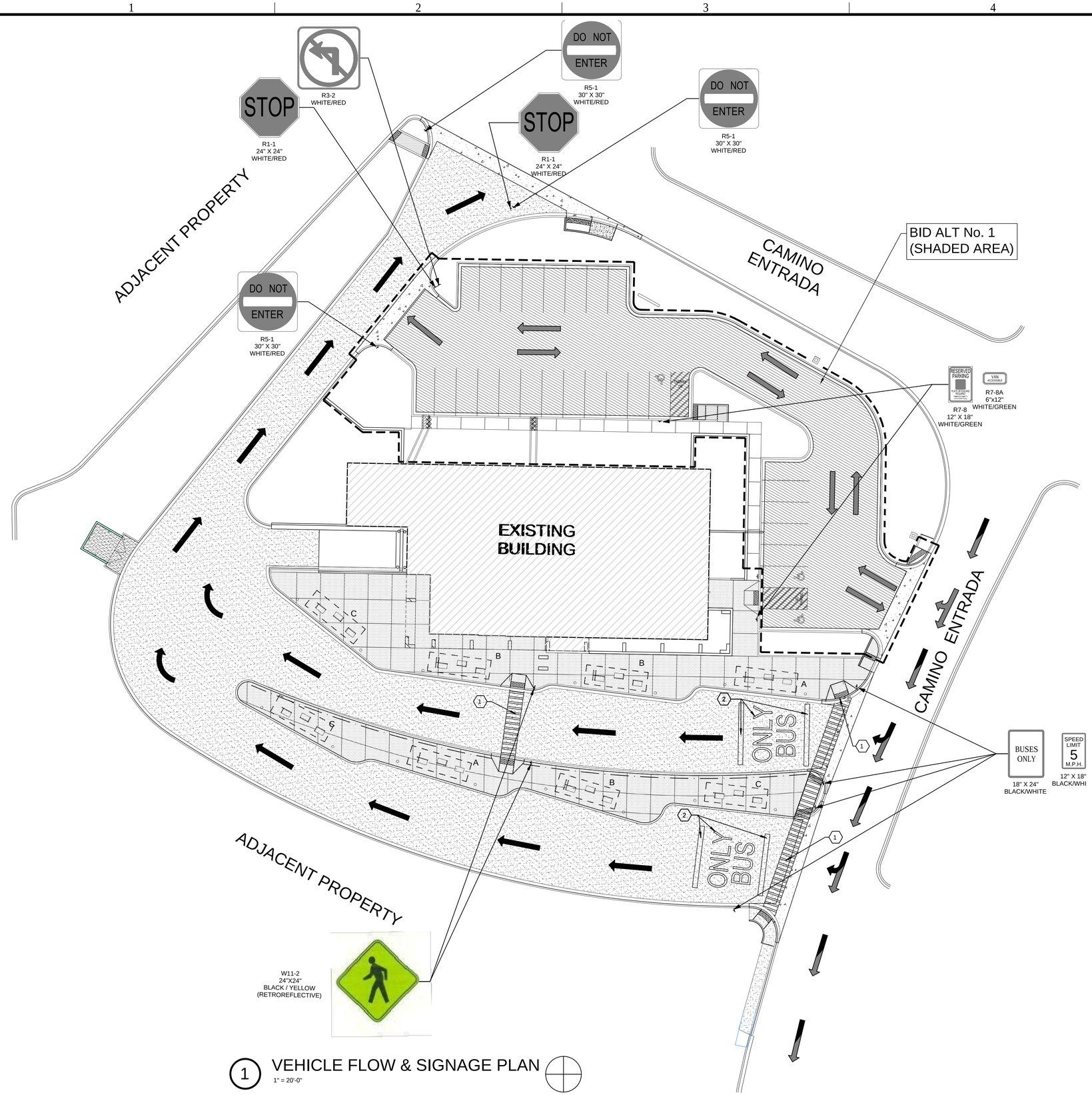
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PAVING PLAN

C-105

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1 VEHICLE FLOW & SIGNAGE PLAN
1" = 20'-0"

A. SIGNS MUST CONFORM TO CURRENT MUTCD STANDARDS AND RETROREFLECTIVITY.
B. SIGNS TO BE MOUNTED ON PERFORATED SQUARE STEEL TUBE POST WITH ANCHOR BASE INSTALLED PER MANUFACTURES RECOMMENDATIONS.

SHEET KEYNOTES:

1 NEW CONCRETE CROSSWALK PAVEMENT MARKINGS. (WHITE RAISED RETROREFLECTIVITY MATERIAL)
2 NEW CONCRETE SIGNAGE PAVEMENT MARKINGS. (WHITE RAISED RETROREFLECTIVITY MATERIAL)

LEGEND

- BUS CIRCULATION
- BUS AND VEHICLE CIRCULATION
- VEHICLE CIRCULATION

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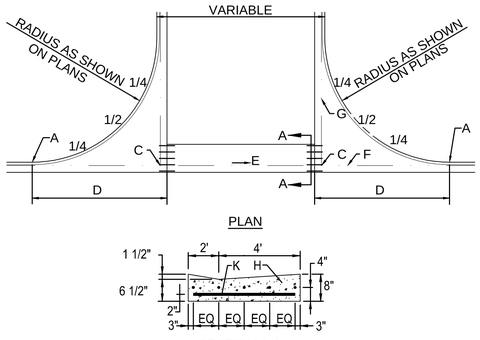
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VEHICLE FLOW & SIGNAGE PLAN

C-106

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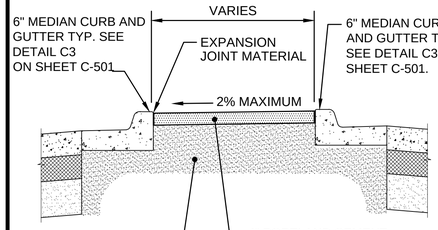
CONSTRUCTION NOTES

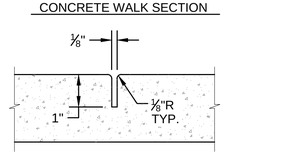
A. BEGIN OR END OF CURB RETURN.
B. CONSTRUCT WHEELCHAIR RAMP IF SO NOTED ON PLANS AND ADJUST CURB HEIGHT TO MATCH RAMP CONFIGURATION. SEE NM APWA DWG. 2441 FOR DETAILS OF RAMP.
C. INTERSECTION OF FLOWLINES.
D. VALLEY GUTTER SURFACE AND CURB TO BE CONSTRUCTED MONOLITHICALLY.
E. DIRECTION OF FLOW.
F. FLOWLINE.
G. PROJECTED FLOWLINE OF 1-1/2" INVERT.
H. 6 X 6 - 6 X 6 WELDED WIRE FABRIC.
K. NO. 4 BARS, 36" LONG, 15" O.C.

GENERAL NOTES

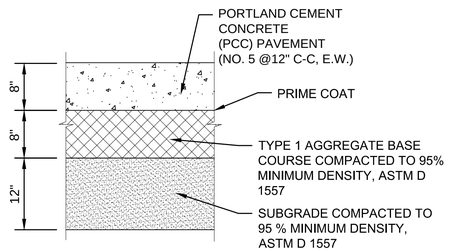
1. SEE PLANS FOR FINISH GRADE ELEVATIONS (TOP OF CURB) FOR END OF CURB RETURNS, AT CONTROL POINTS ALONG CURB AND AT INTERSECTIONS OF PROJECTED FLOWLINES.
2. VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF THE CURB RETURNS AND THE INVERT SHALL EXTEND THE FULL LENGTH OF THE VALLEY GUTTER.
3. THE VALLEY GUTTER SHALL BE REINFORCED WITH 6 X 6 - 6 X 6 WELDED WIRE FABRIC.
4. FOR NEW CONSTRUCTION, THE VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT.
5. PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING STREETS, PAVEMENT REMOVALS, AS SHOWN ON THE PLANS WILL BE COMPLETED.

C1 VALLEY GUTTER DETAIL
SCALE: N.T.S.

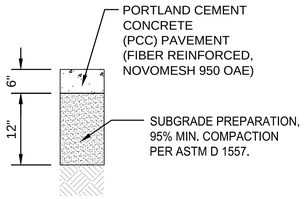




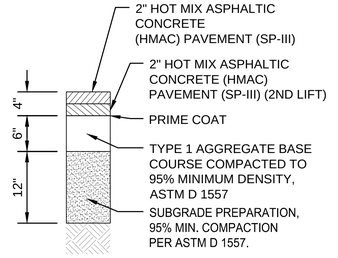
A1 PCC CONCRETE WALK DETAILS
SCALE: N.T.S.



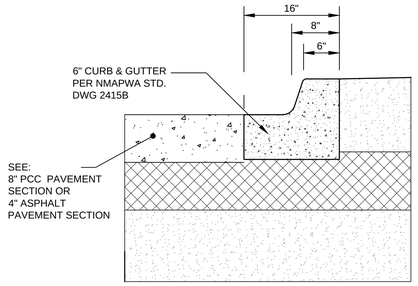
D3 8" PORTLAND CEMENT CONCRETE PAVEMENT SECTION
SCALE: 1"=1'-0"
IN BUS AREA ONLY



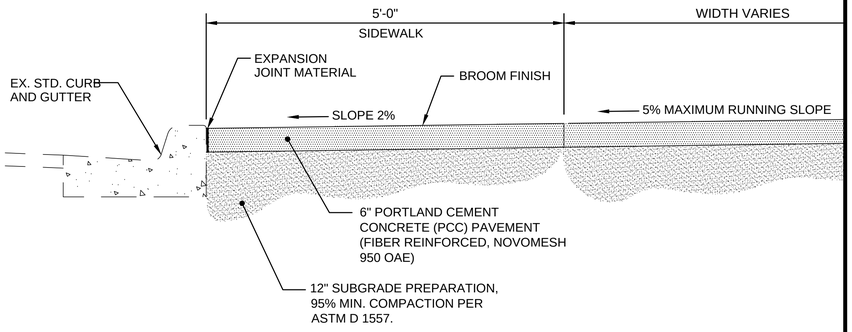
D4 6" PCC CONCRETE PAVEMENT SECTION
SCALE: N.T.S.



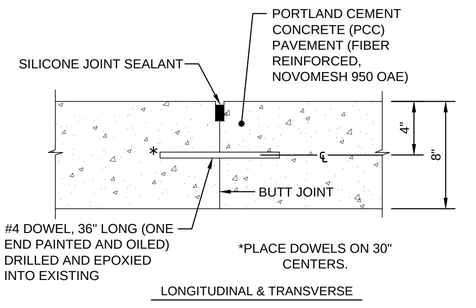
D5 4" ASPHALT PAVEMENT SECTION
SCALE: N.T.S.



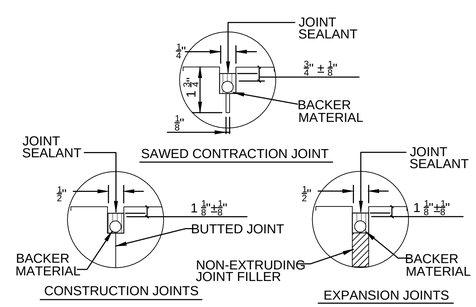
C3 6" MEDIAN CURB & GUTTER
SCALE: 1"=1'-0"



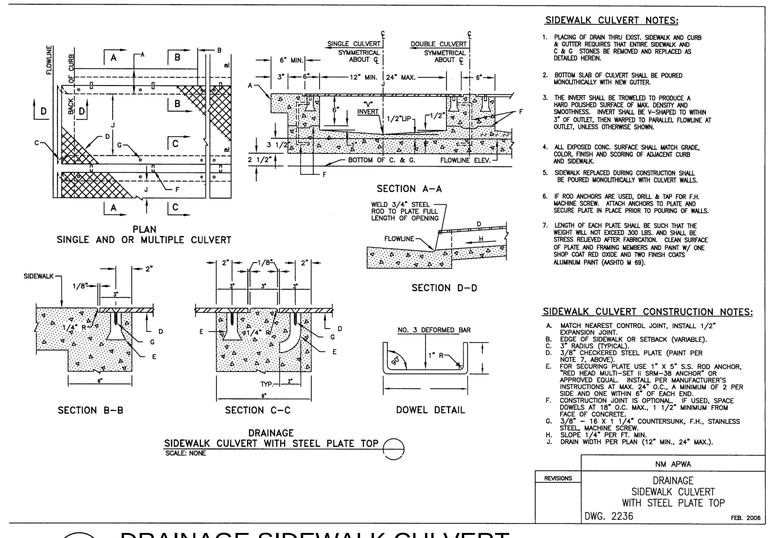
C4 5' SIDEWALK DETAIL
SCALE: N.T.S.



B3 DOWELED CONSTRUCTION JOINT
SCALE: N.T.S.



A3 FIELD MOLDED JOINT SEALANT DETAILS
SCALE: N.T.S.



A4 DRAINAGE SIDEWALK CULVERT
SCALE: N.T.S.

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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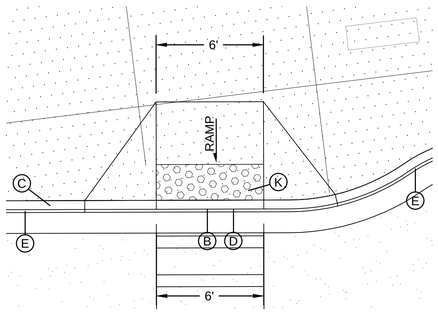
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1	02/24/17	95% REVIEW SUBMITTAL

PAVING DETAILS

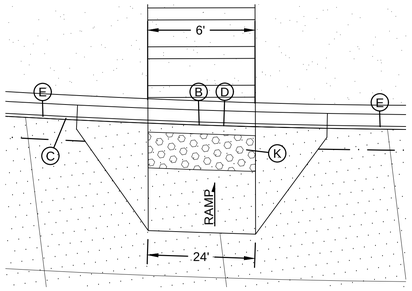
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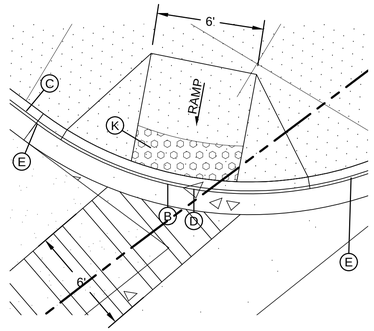
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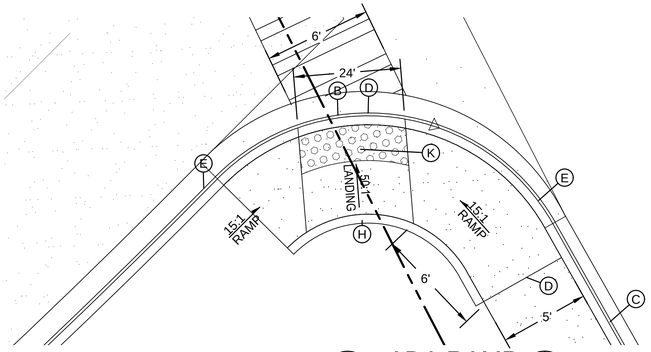
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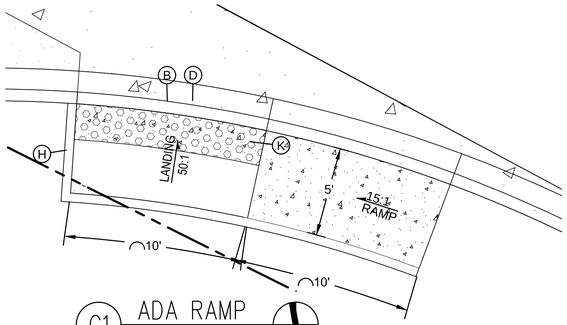
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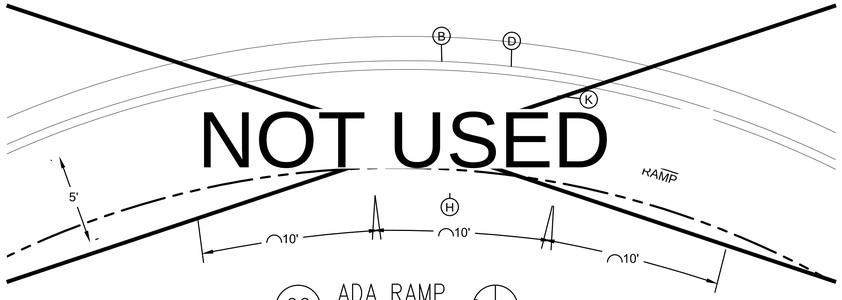
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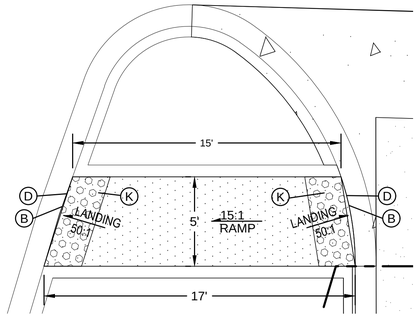
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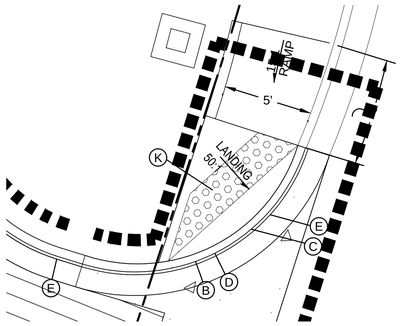
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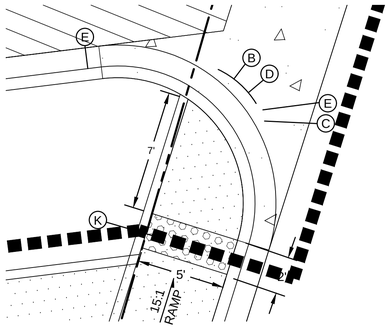
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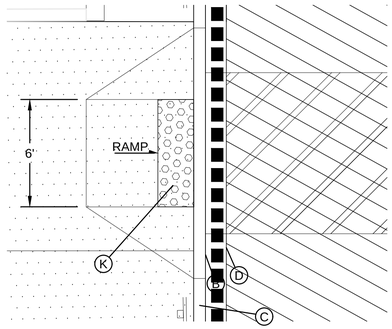
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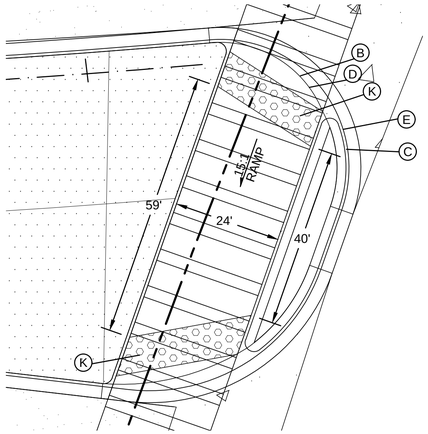
B1 ADA RAMP
SCALE: 3"=1'-0"



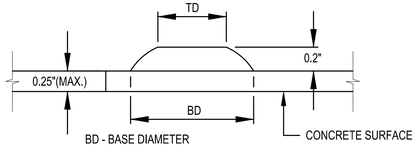
B2 ADA RAMP
SCALE: 3"=1'-0"



B3 ADA RAMP
SCALE: 3"=1'-0"

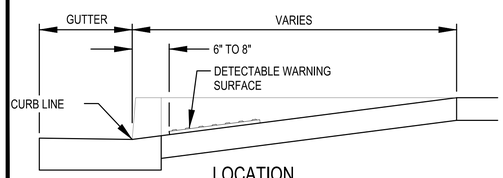


B4 ADA RAMP
SCALE: 3"=1'-0"

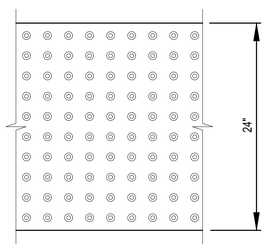


BD - BASE DIAMETER
0.9" MIN. TO 1.4" MAX.
TD - TOP DIAMETER
50% OF BD MIN. TO 65% OF BD MAX.

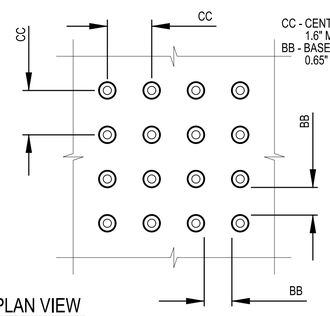
DOME SECTION



LOCATION



DOME PLAN VIEW



CC - CENTER TO CENTER SPACING
1.6" MIN. TO 2.4" MAX.
BB - BASE TO BASE SPACING
0.65" MIN.

A1 DETECTABLE WARNING SURFACE
SCALE: N.T.S.

DOME ALIGNMENT

DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSSWALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

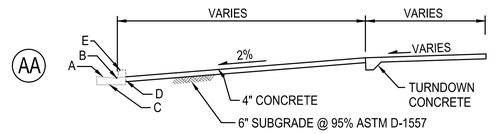
GENERAL NOTES

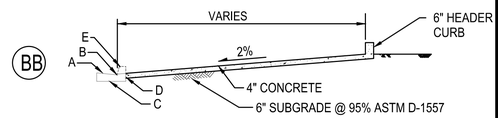
1. CURB RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS APPROVED BY THE ENGINEER.
2. SURFACE TEXTURE OF CURB RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH 0.035"), TRANSVERSE TO THE SLOPE OF THE RAMP.
3. GUTTER FLOWLINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
4. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS. SUBGRADE SHALL BE COMPACTED TO 95% ASTM D-1557. CONCRETE SHALL MEET 3,000 PSI, 28 DAY STRENGTH.
5. USE 1/2" EXP. JT. WHERE SIDEWALK OR DRIVEPAD ABUTS BLDGS., FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
6. WHERE EXISTING TERRAIN IS STEEP, CURB RAMPS NEED NOT EXCEED 15 FEET IN LENGTH.

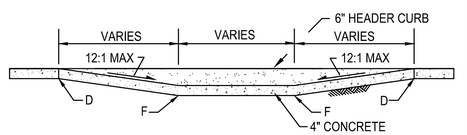
CONSTRUCTION KEYED NOTES

A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
B. 1/4" MAX. LIP ABOVE FLOW LINE.
C. CURB & GUTTER.
D. 1/2" EXPANSION JOINT.
E. 6" AT FACE OF CURB.
F. CONTRACTION (DUMMY) JOINT.
G. NEAT CUT.
H. HEADER CURB.
J. NEAT CUT EX. ASPHALT.
K. DETECTABLE WARNING SURFACE. SEE DETAIL A1 THIS SHEET.
L. ROLLOVER CURB.
M. TURNDOWN CONCRETE

B4 SECTION ADA RAMP
SCALE: N.T.S.







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SANTA FE TRAILS

CITY OF SANTA FE

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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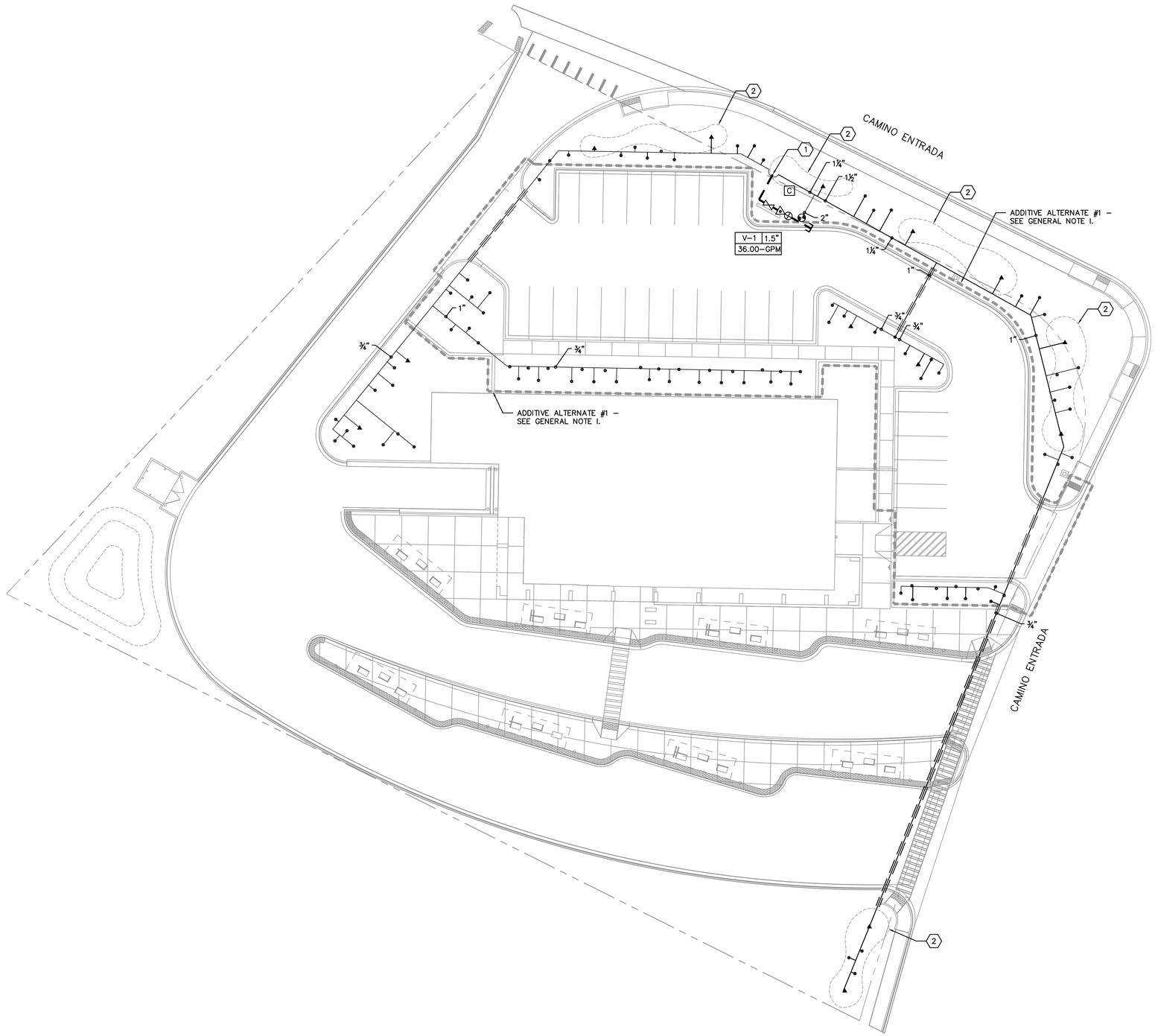
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3	02/08/18	CITY OF SF COMMENTS
2	12/04/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

ADA RAMP DETAILS

C-502

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A1 IRRIGATION PLAN

SCALE: 1" = 20'-0"

0 20' 40'

GENERAL NOTES:

A. WHERE SLEEVING IS SHOWN ON THE PLAN, INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS AND PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVEMENT, SIDEWALKS, CONCRETE PADS, ETC.
B. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
C. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE SPECIFICATION SECTION 328400 - LANDSCAPE IRRIGATION SYSTEM.
D. IRRIGATION MAIN AND LATERAL LINES ARE SHOWN SCHEMATICALLY.
E. UNLESS OTHERWISE NOTED ON THE PLAN, ANY IRRIGATION EQUIPMENT SHOWN IN HARDSCAPE AREAS IS FOR GRAPHIC CLARITY ONLY. ALL EQUIPMENT SHALL BE LOCATED IN ADJACENT LANDSCAPE AREAS.
F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.
G. IRRIGATION SYSTEM WAS DESIGNED AT A MINIMUM STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 60 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.
H. CONTRACTOR SHALL PROVIDE ONE (1) 120-VOLT, 20 AMP CIRCUIT FROM ELECTRICAL PANEL TO THE IRRIGATION CONTROLLER AND TO THE BACKFLOW PREVENTER ENCLOSURE (ONE TO EACH). ALL WORK AND MATERIALS SHALL MEET LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). REFERENCE ELECTRICAL PLANS.
I. IF ADDITIVE ALTERNATE #1 IS NOT ACCEPTED, ALL LATERALS AND BUBBLERS SHOWN WITHIN BOUNDARY SHALL BE REMOVED EXCEPT LATERALS SUPPLYING WATER TO PLANTINGS OUTSIDE OF BOUNDARY SHOWN.

SHEET KEYNOTES:

1. APPROXIMATE IRRIGATION SYSTEM POINT OF CONNECTION. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH LANDSCAPE ARCHITECT.
2. EDGE OF RAIN GARDEN PASSIVE STORMWATER RETENTION SWALE, SEE PLANTING PLAN AND DETAIL C2/LP501 FOR ADDITIONAL INFORMATION.

LEGEND:

IRRIGATION MAIN LINE, SCHEDULE 40, BELL END, SOLVENT WELD PVC, SIZE: 1.5", DEPTH OF BURY 36" FOR CONTINUOUS PRESSURE MAIN, 24" FOR NON-CONTINUOUS PRESSURE MAIN.

LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 24". LATERAL PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".

MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC.

REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD PEB SERIES, OR EQUAL, PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. INSTALL PER DETAIL A1/LI501.

MAIN LINE GATE VALVE ASSEMBLY. INSTALL PER DETAIL A4/LI501.

BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY. FEBCO 825Y, OR EQUAL, 1" REDUCED PRESSURE BACKFLOW PREVENTER IN HEATED AND INSULATED BACKFLOW ENCLOSURE, HOT BOX MODEL HB1, OR EQUAL, WITH RAIN BIRD PEB SERIES, OR EQUAL 1" PLASTIC BODY 24-VOLT AUTOMATIC MASTER VALVE, RAIN BIRD PEB SERIES, OR EQUAL, IN VALVE BOX. INSTALL PER DETAIL C4/LI501.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES WITH CHECK VALVE. INSTALL AS FOLLOWS:

	MODEL NO.	GPM	PSI	
▲	1402	1.5 (3 PER TREE)	30	REFERENCE DETAILS A5/LI502 AND C5/LI502
●	1401	0.25	30	REFERENCE DETAIL A5/LI502

SOLVENT WELD PVC CAP, SIZE PER LINE SIZE.

[C] IRRIGATION CONTROLLER, RAIN BIRD ESP-LXME, OR EQUAL, 4-STATION CONTROLLER INSTALLED IN RAIN BIRD LXMMSSPED, OR EQUAL, METAL PEDESTAL-MOUNTED CABINET. INSTALL PER DETAIL C2/LI501. PROVIDE GROUNDING PROTECTION TO CONTROLLER PER DETAIL A2/LI501.

VALVE ID KEY

VALVE ID NUMBER
VALVE SIZE
V–1 | 1"
25.5–GPM
VALVE GALLONS PER MINUTE

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2/6/18

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SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

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REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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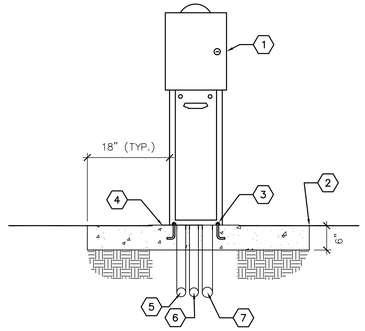
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IRRIGATION PLAN

LI-101

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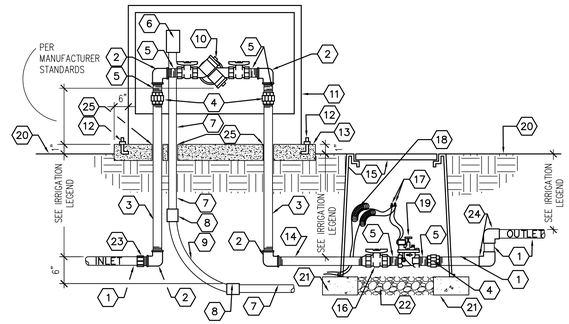


KEYED NOTES

1. IRRIGATION CONTROLLER ENCLOSURE WITH PEDESTAL – SEE IRRIGATION LEGEND. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. TOOLED EDGE, TYP.
3. 1/2"X6" ANCHOR BOLTS, INSTALL WITH POUR.
4. 3500 PSI CONCRETE PAD, WITH MEDIUM BRUSH FINISH. PAD SHALL EXTEND 18" BEYOND EACH SIDE OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
5. 3/4" RIGID PVC SWEEP ELL (GROUNDING WIRE).
6. 3/4" RIGID PVC SWEEP ELL (24 VOLT WIRE).
7. 2" RIGID PVC SWEEP ELL (24 VOLT WIRE) EXTEND 12" PAST CONCRETE PAD.

C2 PEDESTAL MOUNT IRRIGATION CONTROLLER

N.T.S.



KEYED NOTES

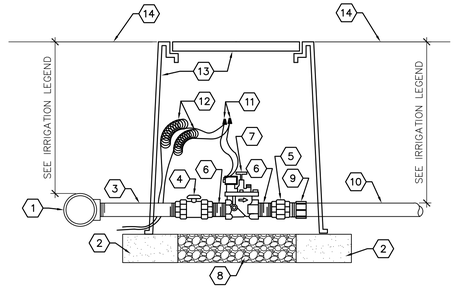
1. PVC MAINLINE – SEE LEGEND.
2. GALVANIZED ELBOW.
3. GALVANIZED NIPPLE, LENGTH AS REQUIRED.
4. GALVANIZED UNION.
5. GALVANIZED NIPPLE– 3" LENGTH.
6. JUNCTION BOX FOR HEAT TAPE.
7. RIGID STEEL CONDUIT.
8. WATERTIGHT CONNECTOR.
9. RIGID STEEL CONDUIT.
10. REDUCED PRESSURE BACKFLOW PREVENTER, SEE IRRIGATION LEGEND.
11. INSULATED ENCLOSURE – SEE LEGEND.
12. 1/2"x6" ANCHOR BOLTS, FOUR PER BOX.
13. 3000 PSI CONCRETE PAD, 6" THICK WITH TOOLED EDGES.
14. GALVANIZED NIPPLE – 36" LENGTH.
15. APPLIED ENGINEERING PRODUCTS 1730–18P2P VALVE BOX W/ 8" EXTENSIONS (1730–XC) AS REQUIRED.
16. SPEARS TRUE UNION SCH. 80 PVC BALL VALVE.
17. WATERPROOF WIRE SPLICE.
18. 36" WIRE LOOPS.
19. MASTER VALVE – SEE IRRIGATION LEGEND.
20. FINISH GRADE.
21. SOLID CMU BLOCK, FOUR PER BOX.
22. 6" DEPTH OF 1" WASHED GRAVEL.
23. SCH 40 PVC MALE ADAPTER.
24. MAIN LINE ELL, 90 DEGREE.
25. PVC SLEEVE.

GENERAL NOTES

A. CONTRACTOR SHALL SUPPLY AND INSTALL WINTERGARD WET H612 HEAT CABLE AROUND EXPOSED PIPES AND BACKFLOW PREVENTER. MINIMUM 1:3 SPIRALING RATIO.

C4 BACKFLOW PREVENTER & MASTER VALVE ASSEMBLY

N.T.S.



KEYED NOTES

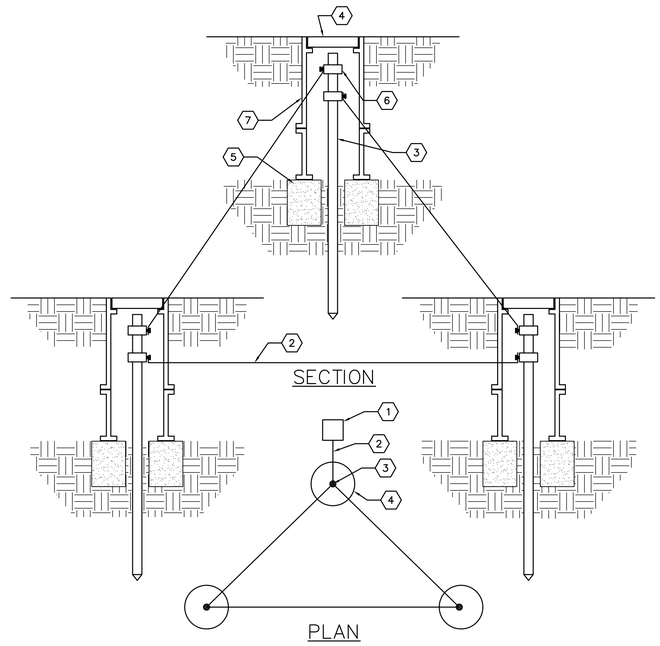
1. PVC MAINLINE.
2. SOLID CMU BLOCK, FOUR PER BOX.
3. SCH. 80 PVC NIPPLE, LENGTH AS REQUIRED.
4. SPEARS TRUE UNION SCH. 80 PVC BALL VALVE WITH UNIONS.
5. SPEARS SCH. 80 PVC UNION.
6. SCH. 80 PVC NIPPLE – 3" LENGTH.
7. REMOTE CONTROL VALVE, SEE IRRIGATION LEGEND.
8. 6" DEPTH 1" WASHED GRAVEL, WITH 2" CLEARANCE TO BOTTOM OF VALVE ASSEMBLY.
9. SCH. 40 PVC MLE ADAPTER.
10. LATERAL PIPING (SEE LEGEND).
11. WATERPROOF WIRE CONNECTOR.
12. 36" WIRE EXPANSION LOOPS.
13. APPLIED ENGINEERING 1730–18P2P VALVE BOX W/ BOLT DOWN FLUSH COVER AND 8" EXTENSIONS (1730–XG) AS REQUIRED.
14. FINISH GRADE.

GENERAL NOTES

A. CONTRACTOR SHALL INSTALL ONE AUTOMATIC VALVE ASSEMBLY PER VALVE BOX.

A1 REMOTE CONTROL VALVE ASSEMBLY

N.T.S.

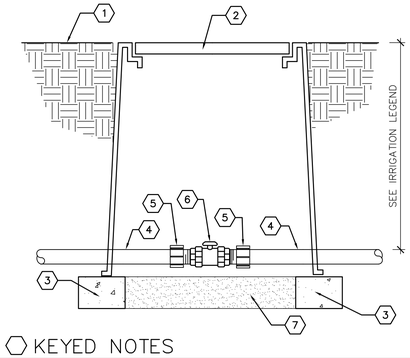


KEYED NOTES

1. IRRIGATION CONTROLLER, SEE IRRIGATION LEGEND.
2. #10 AWG WIRE FROM IRRIGATION CONTROLLER TO GROUND ROD CLAMP. WIRE SHALL BE INSTALLED STRAIGHT AND TAUT.
3. 8' LENGTH GROUND ROD, PLACE IN IRRIGATED AREA A MINIMUM OF 16' FROM ONE ANOTHER WITH ONE ROD A MIN. OF 12' FROM CONTROLLER. (OPTION: REPLACE GROUNDING RODS WITH 1/8" X 12" X 18" COPPER PLATE, BURIED AT 12" DEPTH. SOLDER #6 BARE COPPER WIRE TO PLATE.)
4. 7" DIAMETER X 9" DEEP BROOKS 700 SERIES VALVE BOX WITH COVER.
5. 8"X8"X16" SOLID CMU BLOCK.
6. GROUND ROD CLAMP.
7. DRILL A SMALL OPENING IN VALVE BOX TO MAINTAIN WIRE TAUTNESS.

A2 CONTROLLER GROUNDING DETAIL

N.T.S.



KEYED NOTES

1. FINISH GRADE.
2. APPLIED ENGINEERING 1015–1G2G 12" HEAVY DUTY VALVE BOX WITH EXTENSIONS AS REQUIRED.
3. SOLID CMU BLOCK – 4 PER BOX.
4. MAINLINE PIPE (SEE LEGEND).
5. SCH. 40 PVC MALE ADAPTER.
6. MANUAL VALVE (SEE LEGEND).
7. PEA GRAVEL – 3 CUBIC FEET.

A4 ISOLATION VALVE

N.T.S.

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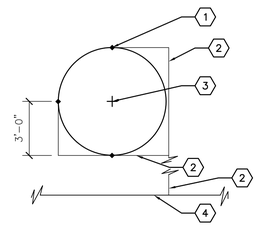
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IRRIGATION DETAILS

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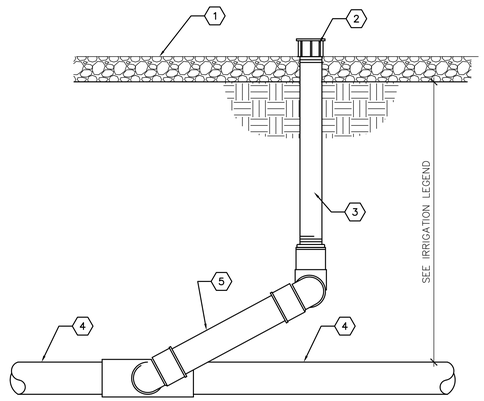


KEYED NOTES

1. BUBBLER – SEE IRRIGATION LEGEND. 3/TREE, TYP.
2. 3/4" LATERAL.
3. TREE CENTER.
4. LATERAL. SEE PLAN.

C5 BUBBLER LAYOUT AT TREES

N.T.S.



KEYED NOTES

1. TOP OF MULCH, SEE PLANTING NOTES FOR DEPTH OF MULCH.
2. PRESSURE COMPENSATING BUBBLER. SEE LEGEND.
3. 1/2" SCH 80 PVC THREADED NIPPLE, LENGTH AS REQUIRED.
4. PVC LATERAL PIPING.
5. LASCO 1/2" UNITIZED SWIVEL JOINT #T522–212.

GENERAL NOTES

A. BUBBLER SHALL BE LOCATED AS NOTED ON IRRIGATION PLAN. BUBBLER SHALL BE 12" FROM ROOT BALL OF TREE AND 6" FROM ROOT BALL OF SHRUB.

B. TOP OF BUBBLER TO BE FLUSH WITH TOP OF MULCH.

A5 BUBBLER ASSEMBLY

N.T.S.

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IRRIGATION DETAILS

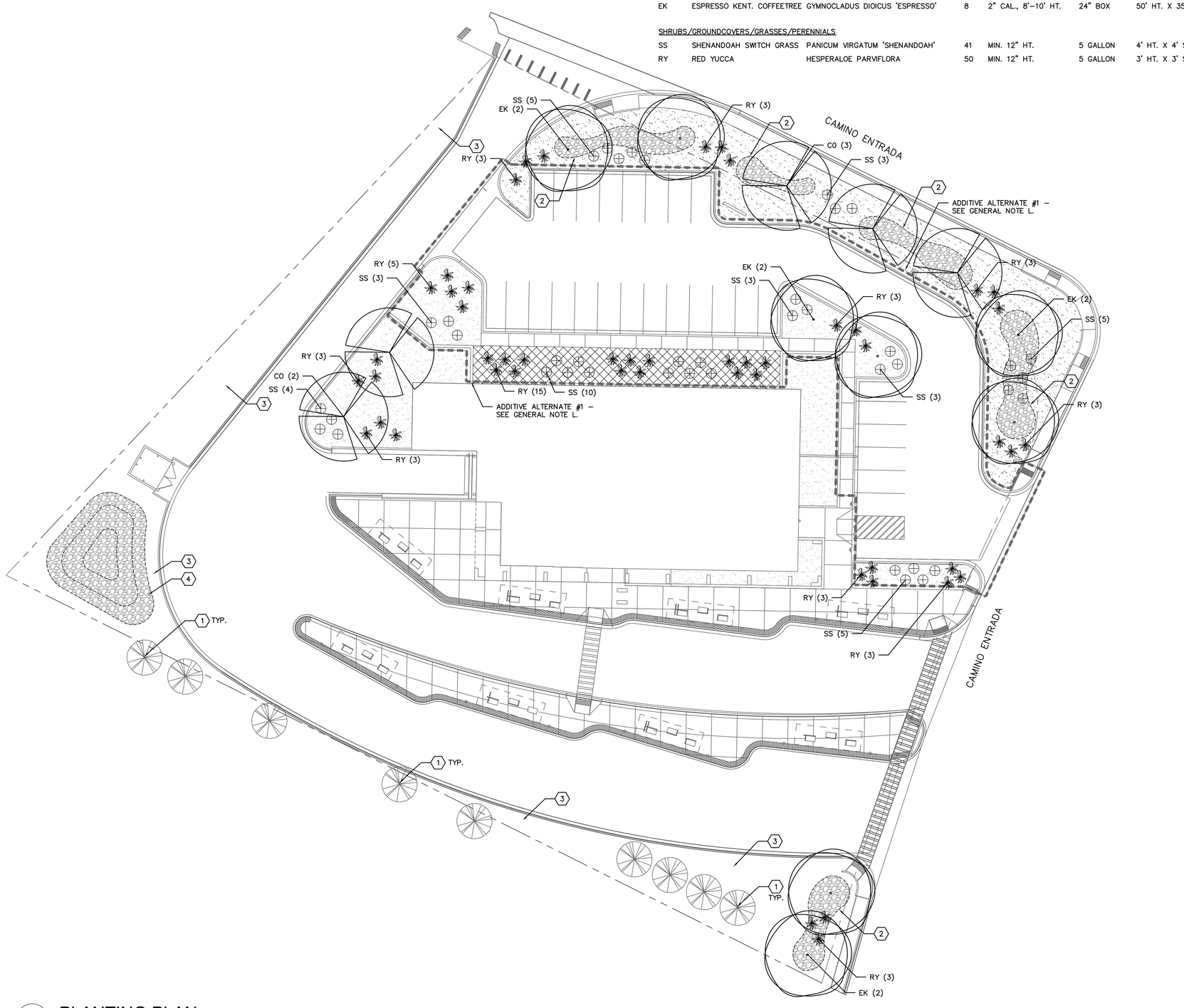
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PLANT LEGEND

KEY	COMMON NAME	BOTANICAL NAME	QTY	INSTALLED SIZE	REMARKS	MATURE SIZE
TREES						
CO	CHINKAPIN OAK	QUERCUS MUEHLENBERGII	5	2" CAL., 8'–10' HT.	24" BOX	45' HT. X 45' SPD.
EK	ESPRESSO KENT. COFFEETREE	GYMNOCLADUS DIOICUS 'ESPRESSO'	8	2" CAL., 8'–10' HT.	24" BOX	50' HT. X 35' SPD.
SHRUBS/GROUNDCOVERS/GRASSES/PERENNIALS						
SS	SHENANDOAH SWITCH GRASS	PANICUM VIRGATUM 'SHENANDOAH'	41	MIN. 12" HT.	5 GALLON	4' HT. X 4' SPD.
RY	RED YUCCA	HESPERALOE PARVIFLORA	50	MIN. 12" HT.	5 GALLON	3' HT. X 3' SPD.



A1 PLANTING PLAN

SCALE: 1" = 20'-0"

0 20' 40'

GENERAL NOTES:

A. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LEGEND AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
B. COBBLE MULCH SHALL BE 2"-4" 'SANTA FE BROWN' COBBLE, AS AVAILABLE FROM ALBERT MONTANO SAND & GRAVEL (505-989-7921), OR APPROVED EQUAL, INSTALLED OVER FILTER FABRIC.
C. FILTER FABRIC SHALL BE MIN. 4 OZ. NON-WOVEN NEEDLE-PUNCHED POLYPROPYLENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3" AND TURN DOWN EDGES 6". TO BE PLACED UNDER ALL AREAS RECEIVING COBBLE MULCH.
D. THE TOP OF MULCH SHALL BE 1" BELOW TOP OF ADJACENT CONCRETE SURFACES.
E. CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES AS DIRECTED BY LANDSCAPE ARCHITECT IN THE FIELD.
F. TREES SHALL BE INSTALLED PER DETAILS A4/LP501 AND C4/LP501.
G. SHRUBS SHALL BE INSTALLED PER DETAIL A2/LP501.
H. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
I. ALL AREAS OF DISTURBANCE TO NATIVE VEGETATION NOT RECEIVING LANDSCAPING ARE TO BE TREATED WITH REVEGETATION SEEDING. REVEGETATION SEEDING SHALL BE 'SANTA FE TRAIL BLEND', AS AVAILABLE FROM CURTIS & CURTIS (575-762-4759), OR EQUAL. INSTALL SEED AT 2 POUNDS PLS PER 1000 SQUARE FEET. SEE SPECIFICATIONS FOR SOIL PREPARATION AND SEED APPLICATION REQUIREMENTS.
J. GRAVEL MULCH SHALL BE 3/4" 'AMERETTO BROWN', AS AVAILABLE FROM ALBERT MONTANO SAND & GRAVEL (505-989-7921), OR APPROVED EQUAL, INSTALLED OVER FILTER FABRIC.
K. CRUSHER FINES MULCH SHALL BE 'SANTA FE BROWN' CRUSHER FINES, AS AVAILABLE FROM ALBERT MONTANO SAND & GRAVEL (505-989-7921), OR APPROVED EQUAL, INSTALLED OVER FILTER FABRIC.
L. IF ADDITIVE ALTERNATE #1 IS NOT ACCEPTED, ALL AREAS SHOWN WITHIN BOUNDARY SHALL BE TREATED WITH REVEGETATION SEEDING PER GENERAL NOTE I.

SHEET KEYNOTES:

1. EXISTING TREES TO REMAIN - TYP.
2. RAIN GARDEN PASSIVE WATER HARVESTING SWALES - TYP. SEE DETAIL C2/LP501 FOR ADDITIONAL INFORMATION.
3. EXISTING NATIVE VEGETATION TO REMAIN, SEE GENERAL NOTE I - TYP.
4. PASSIVE WATER HARVESTING SWALE - SEE CIVIL PLANS.

LEGEND:

SEE PLANT LEGEND FOR TREE AND SHRUB INFORMATION

GROUNDCOVER

6" DEPTH COBBLE MULCH - SEE GENERAL NOTE B, KEYED NOTE 2.

3" DEPTH GRAVEL MULCH - SEE GENERAL NOTE J.

3" DEPTH CRUSHER FINES MULCH - SEE GENERAL NOTE K.

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STATE OF NEW MEXICO
BRIAN J. VERARDO
NO. 309
REGISTERED LANDSCAPE ARCHITECT
2/5/16

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

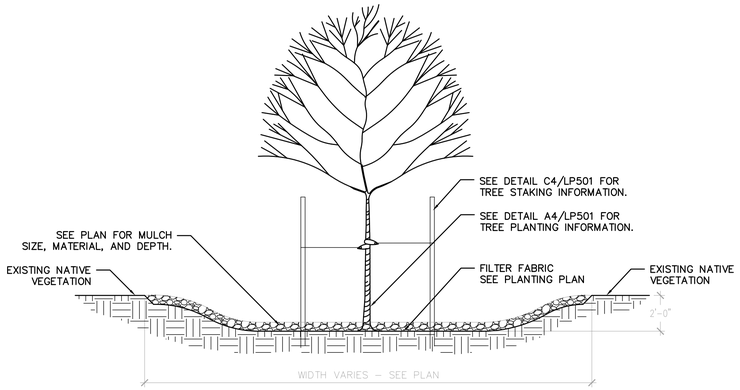
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PLANTING PLAN

LP-101

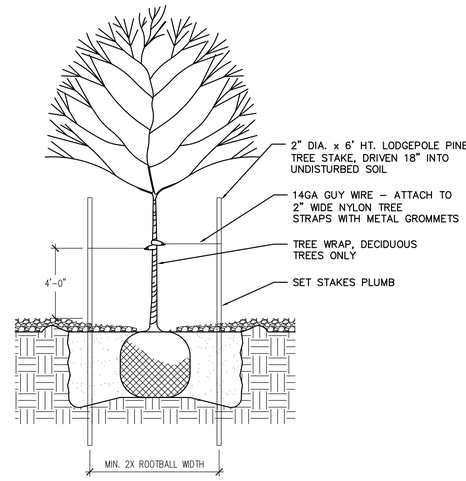
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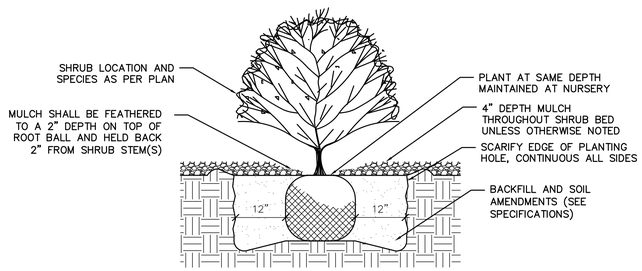
C2 PASSIVE RETENTION SWALE

SCALE: N.T.S.



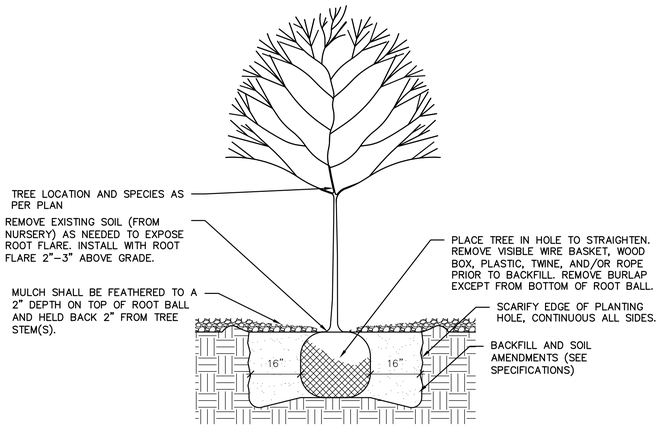
C4 TREE STAKING DETAIL

SCALE: N.T.S.



A2 SHRUB PLANTING

SCALE: N.T.S.



A4 TREE PLANTING

SCALE: N.T.S.

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PLANTING DETAILS

LP-501

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GENERAL STRUCTURAL NOTES

CODES AND MANUALS

INTERNATIONAL BUILDING CODE, 2009 EDITION
INTERNATIONAL EXISTING BUILDING CODE, 2009 EDITION
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES(ASCE 7-05)
AISC MANUAL OF STEEL CONSTRUCTION, 13TH EDITION
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05)
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05)

DESIGN CRITERIA

VERTICAL			
	LIVE LOAD	ROOF	25 PSF
		* LOAD IS NOT SUBECT TO REDUCTION PER IBC SECTION 1607.9	
HORIZONTAL			
	WIND LOAD**	BASIC WIND SPEED	90 MPH
		IMPORTANCE FACTOR	1.0
		EXPOSURE	C
		** ALLOWABLE ⅓ STRESS INCREASE FOR WIND	
	SEISMIC LOAD	SOIL SITE CLASS	D
		SITE DESIGN CATEGORY	C
		BUILDING OCCUPANCY CATEGORY	II
		IMPORTANCE FACTOR	1.0
		DESIGN SPECTRAL RESPONSE ACCELERATION	
		SHORT PERIOD S_{DS}	0.439
		1-SECOND PERIOD S_{D1}	0.207
		SEISMIC RESPONSE COEFFICIENT R	= 1.5
		SEISMIC BASE SHEAR V	= 0.293W
LATERAL FORCE RESISTING SYSTEM			
	G. CANTILEVERED COLUMN DETAILED TO CONFORM TO INTERMEDIATE CONCRETE COLUMN MOMENT FRAMES.		
GENERAL			
		ALLOWABLE SOIL BEARING PRESSURE	2000 PSF
		FUTURE BUILDING EXPANSION:	NONE

GENERAL

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE REVIEWED PRIOR TO FABRICATION OR ERECTION. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, AND WALLS WITH THE INDIVIDUAL TRADES.

NOTCHING OR CUTTING OF ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT. NO CONCRETE PADS SHALL BE LOCATED ON THE ROOF UNLESS SHOWN IN THE STRUCTURAL DRAWINGS.

CAST-IN-PLACE CONCRETE

A. INTERIOR SLABS-ON-GRADE: 3,000 PSI @ 28 DAYS.
B. FOUNDATIONS (FOOTINGS, STEMWALLS, GRADE BEAMS, ETC):
   f'c = 3,000 PSI @ 28 DAYS.
C. EXPOSED EXTERIOR CONCRETE (RETAINING WALLS, STEM WALLS WITH MORE THAN 12" EXPOSED ABOVE GRADE, ETC.)
   f'c = 3,000 PSI @ 28 DAYS W/20-30% CLASS F FLYASH.
D. EXPOSED EXTERIOR CONCRETE FLATWORK (SIDEWALKS, PAVING, ETC.):
   f'c = 4,000 PSI @ 28 DAYS W/6-8% AIR ENTRAINMENT AND 20-30% CLASS F FLYASH UNLESS SPECIFIED OTHERWISE BY ARCHITECT OR CIVIL.

ALL CONCRETE SHALL BE NORMALWEIGHT, EXCEPT AT ROOF, UNLESS NOTED OTHERWISE.

PROVIDE ¾" CHAMFER TO ALL EXPOSED EDGES UNLESS NOTED OTHERWISE.

DO NOT CAST FOUNDATIONS, STEM WALLS OR RETAINING WALLS AGAINST EXCAVATED EARTH VERTICAL SIDE SURFACES WITHOUT PRIOR APPROVAL.

REMOVE FORMS AND SHORING IN ACCORDANCE WITH ACI 347.

POST INSTALLED ANCHORS SHALL BE HILTI KWIK BOLT TZ EXPANSION ANCHORS, HILTI HIT-RE 500-SD EPOXY ANCHORS, OR APPROVED EQUAL.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE REQUIREMENTS AND THE STANDARD DETAILING MANUAL (ACI 315-99).

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND FIELD-BENT BARS MAY CONFORM TO ASTM A615 GRADE 40. WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
A. VERTICAL REINFORCING: 30 BAR DIA. OR 18" MINIMUM.
B. HORIZONTAL REINFORCING: 30 BAR DIA. OR 18" MINIMUM.

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ALL HORIZONTAL REINFORCING IN FOOTINGS, AND STEMWALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 48 BAR DIAMETERS OR 24 INCHES WHICHEVER IS GREATER UNLESS NOTED OTHERWISE ON DRAWINGS.

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER.
1. BARS LARGER THAN NO. 5 - 2"
2. BARS NO. 5 OR SMALLER - 1½"

FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-02. CHAIRS WITH 22 GA. SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS."

ALL WIDE FLANGE STEEL MEMBERS SHALL CONFORM TO ASTM A992, GRADE 50. MISCELLANEOUS STEEL MEMBERS, SHAPES AND CONNECTIONS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

ALL COLD FORMED STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. FY = 46 KSI.

ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION EXCEPT AT MOMENT CONNECTIONS, BRACED FRAME CONNECTIONS, AND AT CONNECTIONS DETAILED WITH A325SC BOLTS. AT THESE LOCATIONS, THE BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.

ANCHOR RODS EMBEDDED IN CONCRETE SHALL BE ASTM A307 BOLTS OR F1554 THREADED BARS WITH Fu=55 KSI. PROVIDE FLAT WASHERS BETWEEN ALL NUTS AND BASEPLATES.

ALL BOLTS HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF UNFAIR HOLES WILL NOT BE ALLOWED.

GENERAL FOUNDATION NOTES

GENERAL

A SUBSURFACE SOIL INVESTIGATION HAS NOT BEEN PERFORMED.

FIELD OBSERVATION AND TESTS

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE PERIODIC ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK.

TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING RATES:
A. ONE FIELD DENSITY TEST PER EACH 500 SQUARE YARDS OF COMPACTED SUBGRADE PRIOR TO PLACING STRUCTURAL FILL OR FLOOR SLAB CONSTRUCTION WITH A MINIMUM OF 3 TESTS.
B. ONE FIELD DENSITY TEST PER EACH 300 CUBIC YARDS OF STRUCTURAL FILL PLACED OR EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS GREATER.
C. ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY SIEVE ANALYSIS AND PLASTICITY INDEX.

THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS TO THE ARCHITECT AND OWNER.

CLEARING AND GRUBBING

REMOVE ALL BRUSH, RUBBISH, GRASS AND GRASS ROOTS FROM THE CONSTRUCTION AREA.

REMOVE STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 2 INCHES IN DIAMETER WITHIN 6 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.

REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL, BUT MAY LATER BE USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

SUBFLOOR AND BEARING SURFACE PREPARATION

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.

ENTRY STRUCTURE & SITE WALLS NOT ADJACENT EXISTING STRUCTURE:

OVEREXCAVATE ALL SOILS UNDERLYING FOOTINGS AND ALL UNCONTROLLED FILL TO A MINIMUM DEPTH OF 3 FEET. OVEREXCAVATE ALL SOILS BELOW SLAB-ON-GRADE TO A MINIMUM DEPTH OF 2 FEET EXCEPT AT AREAS WHERE EXISTING SLABS ARE BEING DEMOLISHED AND RECAST.

SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 10 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.

PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN EIGHT (8) INCHES IN THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.

ALL EARTHWORK FOR THE ENTRY FOUNDATION SHALL EXTEND A MINIMUM OF 2 FEET BEYOND THE PERIMETER OF THE FOOTING.

SITE WALLS ADJACENT TO EXISTING STRUCTURE:

DO NOT OVEREXCAVATE SOILS NEXT TO THE EXISTING FOUNDATIONS. MATCH DEPTH OF EXCAVATION TO EXISTING FOUNDATIONS.

SCARIFY ALL EXPOSED SUBGRADE SOILS MORE THAN 2 FEET AWAY FROM EXISTING FOUNDATIONS TO A DEPTH OF 10 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.

ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 2 FEET BEYOND THE PERIMETER FOOTINGS.

SUBFLOOR AND BEARING SURFACE PREPARATION: (CONTINUED)

INFILL SLAB REPLACEMENT:

AFTER REMOVAL OF EXISTING CONCRETE AND NEW PLUMBING LINES HAVE BEEN COMPLETED, TEST EXISTING PAD FOR DEGREE OF COMPACTION. IF EXISTING PAD DOES NOT MEET A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY, THEN SCARIFY TO A DEPTH OF 8 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 3%) AND COMPACT TO THE 95 PERCENT DENSITY.

STRUCTURAL FILL REQUIREMENTS

GRADATION (ASTM D422):

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1½"	100
NO. 4	50-100
NO. 200	15-70

PLASTICITY INDEX (ASTM D4318) 5-15
LIQUID LIMIT 30 MAX.

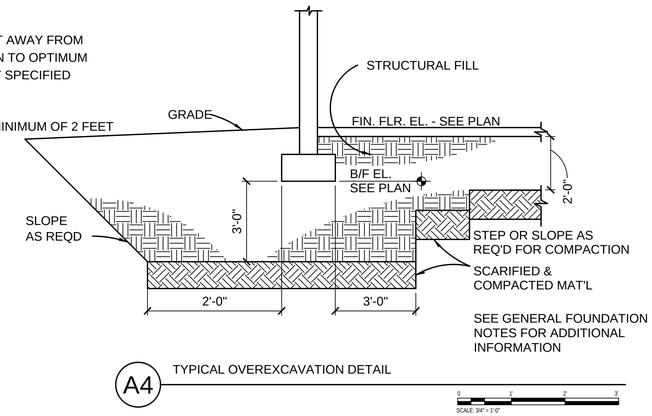
NO BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN UNIFORMLY COMPACTED FILL.

ON-SITE NATIVE SOILS THAT CONSIST OF SANDY LEAN CLAY WITH GRAVEL MAY BE SUITABLE FOR RE-USE AS ENGINEERED FILL; HOWEVER, BLENDING WITH MORE GRANULAR MATERIAL WILL BE NECESSARY TO MEET SPECIFICATIONS. ON-SITE NATIVE SOILS CONSISTING OF LEAN CLAY ARE NOT SUITABLE AND SHALL NOT BE USED AS STRUCTURAL FILL.

COMPACTION REQUIREMENTS

SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE ASTM D1557 MAXIMUM DRY DENSITY AT +/- 3% OPTIMUM MOISTURE CONTENT:

MATERIAL	MIN. PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	90
SUBBASE FOR SLAB SUPPORT	95
SUBGRADE BELOW STRUCTURAL FILL	95
MISCELLANEOUS BACKFILL	95



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DEAN R. HARRIS NEW MEXICO 11330 REGISTERED PROFESSIONAL ENGINEER

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CITY OF SANTA FE

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REVIEWED BY:	DRH
APPROVED BY:	DEE

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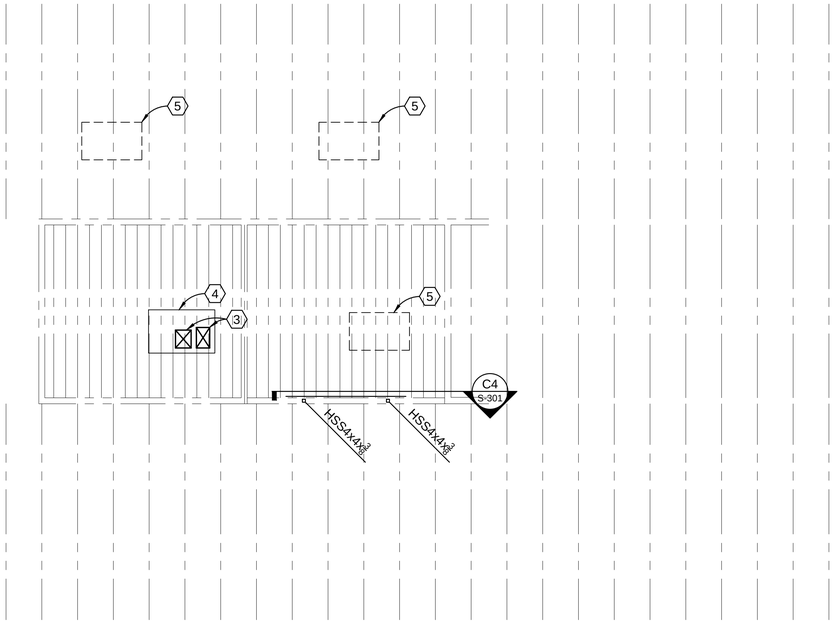
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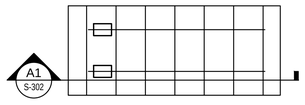
GENERAL NOTES

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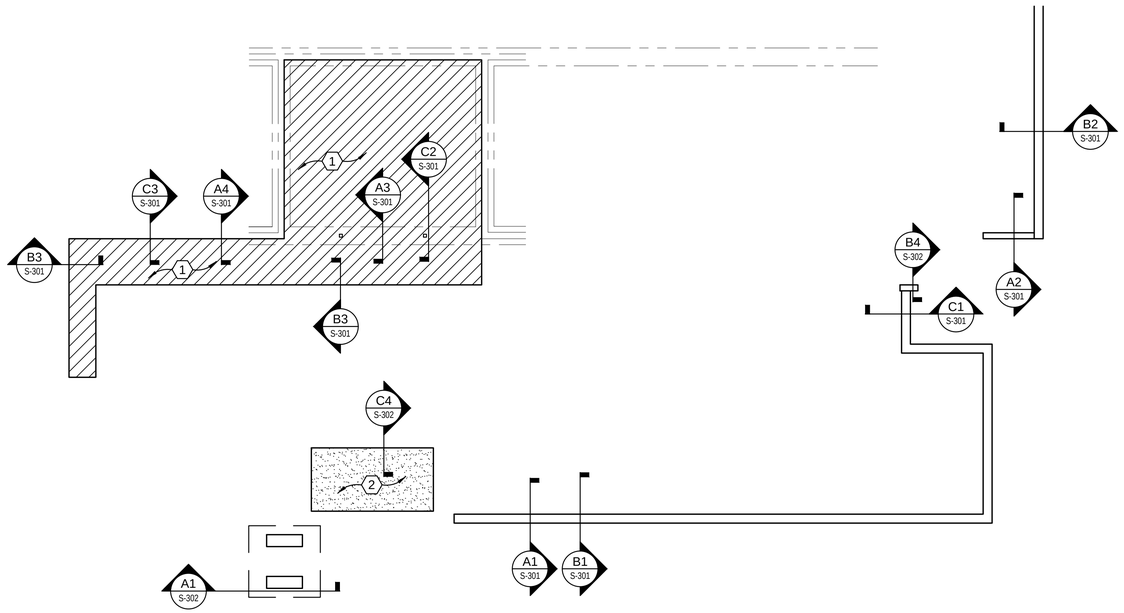
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B1 FRAMING PLAN

1/8" = 1'-0"



A1 FOUNDATION PLAN

1/8" = 1'-0"

KEYED NOTES:

1. 4" CONCRETE SLAB REINFORCED W/FIBRILLATED POLYPROPYLENE FIBERS OVER COMPACTED STRUCTURAL FILL. PROVIDE FIBERS AT RATE OF 1.5 POUNDS PER CUBIC YARD. FINISH FLOOR ELEVATION=100'-0"=0000.00 MSL.
2. 4" CONCRETE SLAB REINFORCED W/FIBRILLATED POLYPROPYLENE FIBERS OVER COMPACTED STRUCTURAL FILL. PROVIDE FIBERS AT RATE OF 1.5 POUNDS PER CUBIC YARD. FINISH FLOOR ELEVATION=99'-11 ½"=0000.00 MSL.
3. MECHANICAL OPENING, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL.
4. 1200# MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL.
5. 1200# FUTURE MECHANICAL UNIT.

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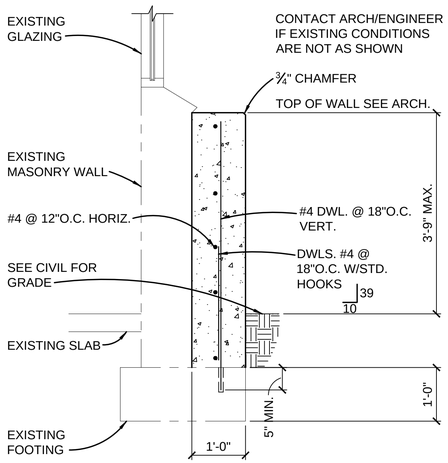
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FOUDATION & FRAMING PLANS

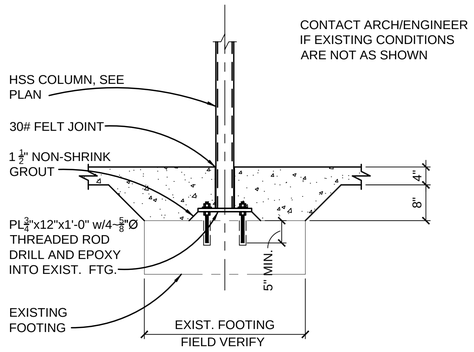
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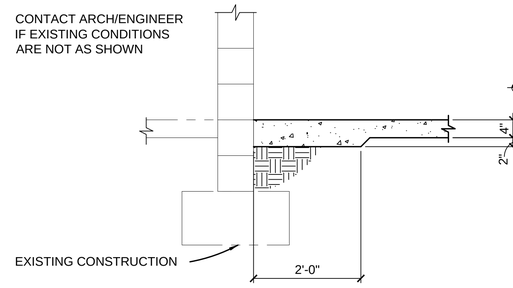
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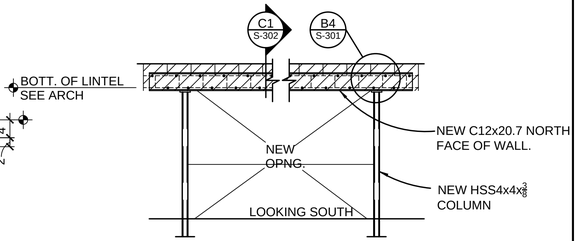
C1 SITE WALL
3/4" = 1'-0"



C2 COLUMN
3/4" = 1'-0"



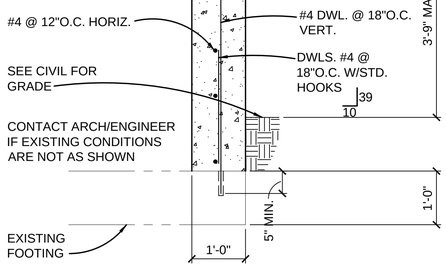
C3 SLAB DETAIL
3/4" = 1'-0"



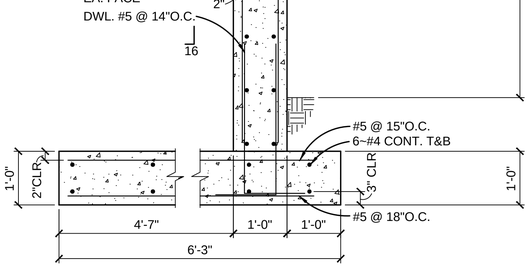
CONSTRUCTION SEQUENCE:

1. GROUT WALL TO THE EXTENT SHOWN. ▨ ALLOW 14 DAYS FOR CURING.
2. ATTACH CHANNEL TO WALL AS SHOWN ON ELEVATION AND SECTIONS.
3. SAWCUT CMU AT JAMBS OF OPENING AND REMOVE.
4. SPECIAL INSPECTION REQUIRED FOR GROUTING AND INSTALLATION OF ALL ANCHORS

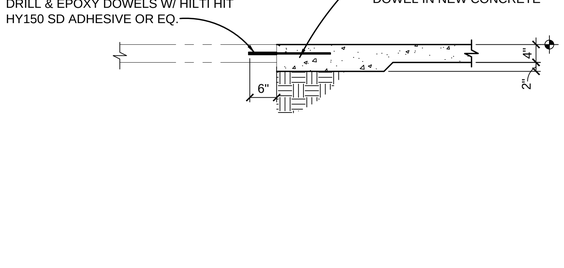
C4 LINTEL ELEVATION
3/4" = 1'-0"



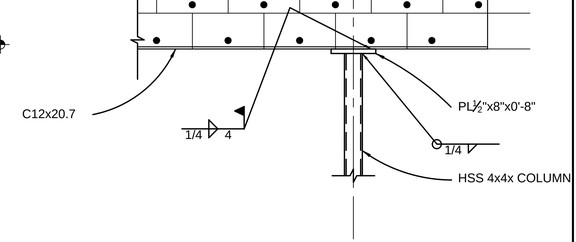
B1 SITE WALL
3/4" = 1'-0"



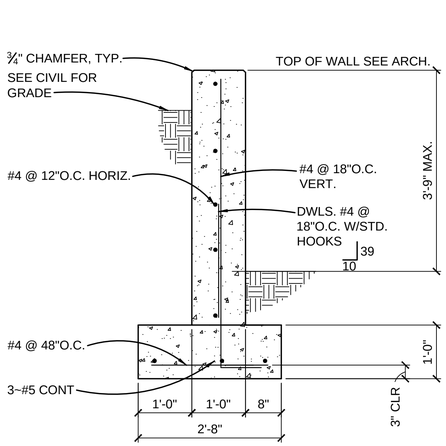
B2 SITE WALL
3/4" = 1'-0"



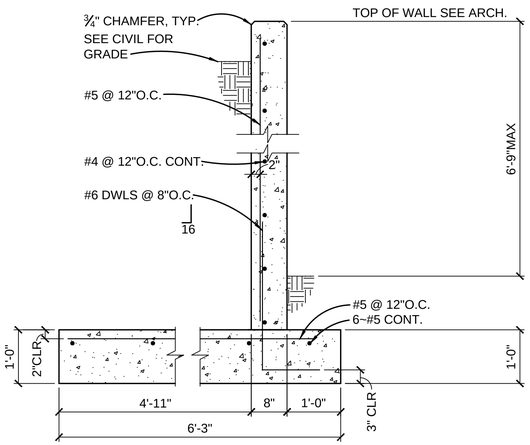
B3 SLAB DETAIL
3/4" = 1'-0"



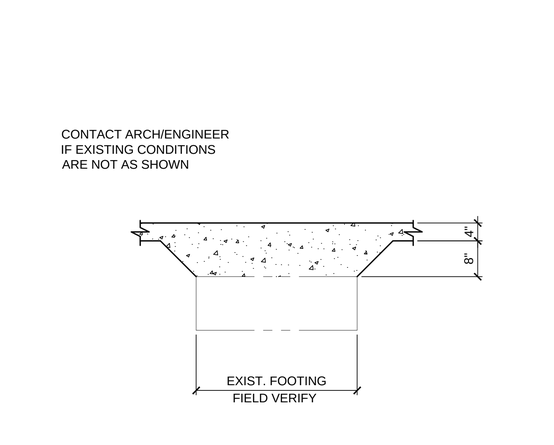
B4 LINTEL ELEVATION
3/4" = 1'-0"



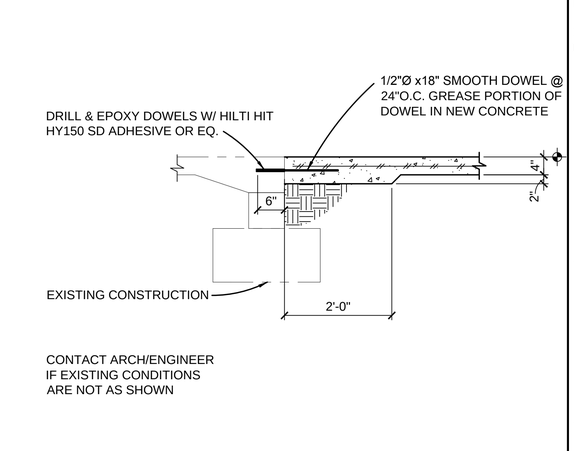
A1 SITE WALL
3/4" = 1'-0"



A2 SITE WALL
3/4" = 1'-0"



A3 SLAB DETAIL
3/4" = 1'-0"



CONTACT ARCH/ENGINEER IF EXISTING CONDITIONS ARE NOT AS SHOWN

A4 SLAB DETAIL
3/4" = 1'-0"

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SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	TMH
REVIEWED BY:	DRH
APPROVED BY:	DEE

ISSUE DRAWING LOG:

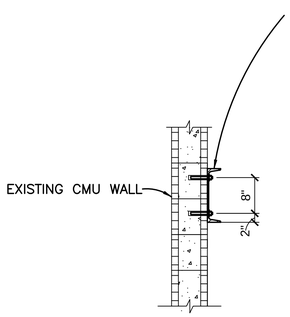
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3	2/8/18	CITY OF SANTA FE COMM
2	12/4/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

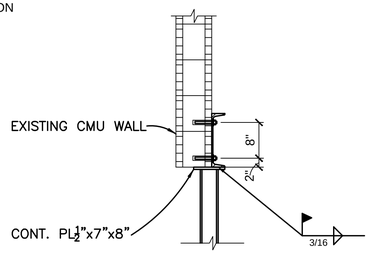
SECTIONS & DETAILS

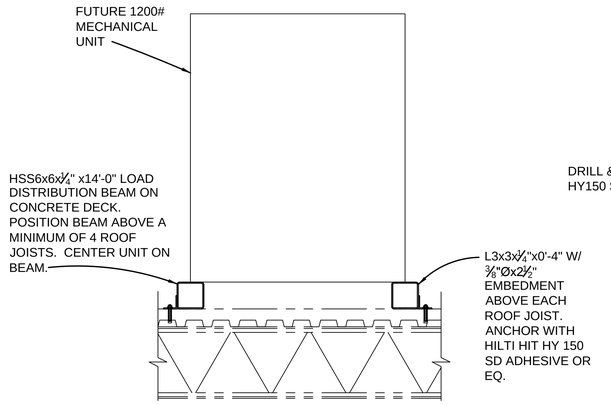
S-301

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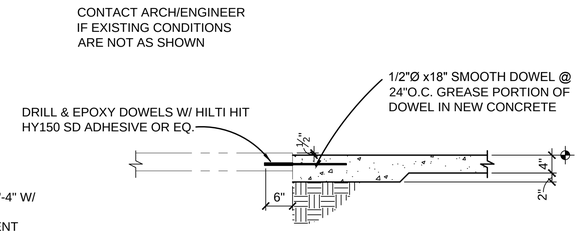
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CONTACT ARCH/ENGINEER IF EXISTING CONDITIONS ARE NOT AS SHOWN

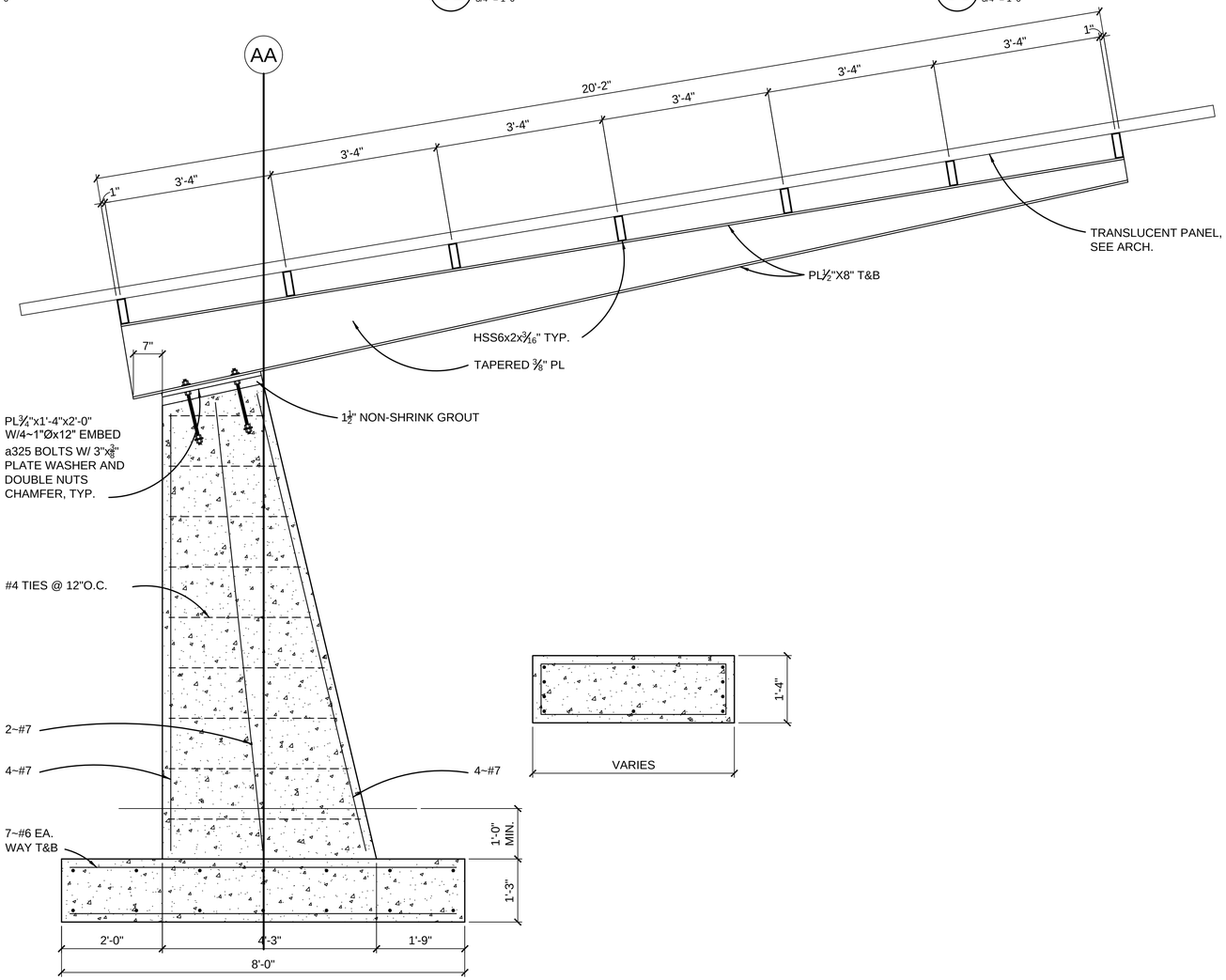


C1 FRAMING SECTION
3/4" = 1'-0"

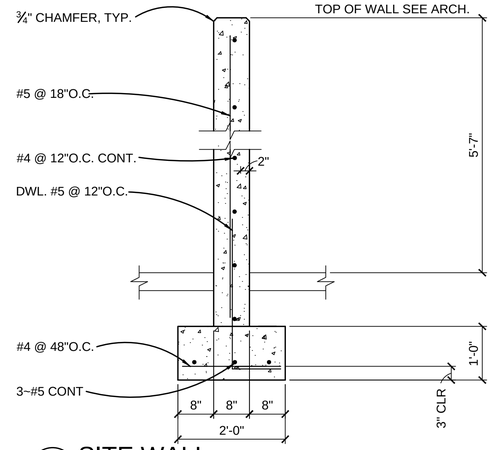
C2 FRAMING SECTION
3/4" = 1'-0"

C3 MECH. UNIT SUPPORT
3/4" = 1'-0"

C4 RECESSED SLAB DETAIL
3/4" = 1'-0"

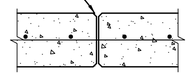


A1
3/4" = 1'-0"



B4 SITE WALL
3/4" = 1'-0"

PROVIDE VERTICAL CONSTRUCTION JOINT @ 20'-0" O.C. TYP.



A4 TYPICAL CONTROL JOINT
3/4" = 1'-0"

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4/15/16

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
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CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	TMH
REVIEWED BY:	DRH
APPROVED BY:	DEE

ISSUE DRAWING LOG:

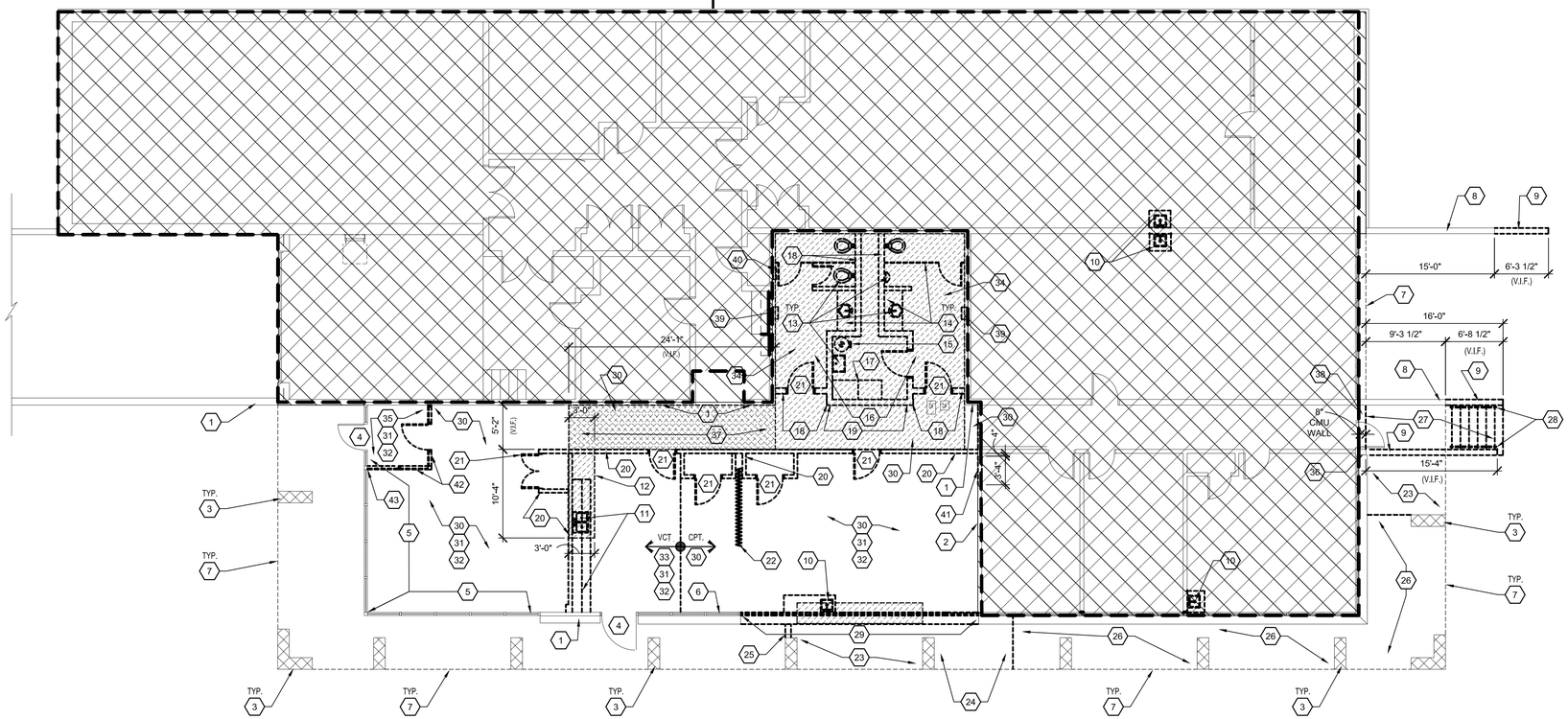
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3	2/8/18	CITY OF SANTA FE COMM
2	12/4/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

SECTIONS & DETAILS

S-302

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NO WORK REQUIRED IN THIS AREA
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A1 DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR TO VERIFY AND COORDINATE LIMITS OF DEMOLITION.
B. PLUMBING SUBCONTRACTOR TO VERIFY THE EXISTING EXITING DIRECTION OF THE UNDERGROUND WASTE / WATER PIPING FROM OUTSIDE OF THE BUILDING FOOTPRINT FOR APPROPRIATE TIE-IN CONNECTION TO THE CITY OF SANTA FE UTILITIES.
C. PATCH AND REPAIR WALLS AND SLAB WHICH ARE DAMAGED OR AFFECTED BY ADJACENT DEMOLITION TO AN EVEN AND FLUSH FINISH.
D. WITHIN PROJECT AREA (UNLESS OTHERWISE NOTED) REMOVE ALL LIGHTING FIXTURES, EXIT LIGHTS, EMERGENCY LIGHTS, SPEAKERS, SMOKE DETECTORS AND STORE OR DISPOSE OF PER OWNERS INSTRUCTIONS.
E. SEE MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR DEMOLITION OF MECHANICAL AND ELECTRICAL SYSTEMS.
F. WITHIN PROJECTS AREA REMOVE ALL FLOOR FINISHES TO CONCRETE SLAB.
G. VERIFY LOCATION OF ALL UNDERSLAB UTILITIES PRIOR TO TRENCHING.
H. ALL PLUMBING FIXTURES TO BE REMOVED THROUGHOUT THE ENTIRE BUILDING AND STORED OR DISPOSED OF PER OWNERS INSTRUCTIONS. CAP PLUMBING AS REQUIRED.
I. REMOVE ALL EXISTING SOAP PAPER TOWEL DISPENSER / WASTE RECEPTACLE, SOAP DISPENSERS, MIRRORS, TOILET PAPER DISPENSERS, AND GRAB BARS IN RESTROOMS.

SHEET KEYNOTES:

1. CMU WALL TO REMAIN.
2. GYPSUM BOARD/STUD WALLS TO REMAIN.
3. CMU COLUMNS TO REMAIN.
4. DOOR ASSEMBLY TO REMAIN.
5. STORE FRONT ASSEMBLY TO REMAIN.
6. WINDOW ASSEMBLY ABOVE CMU LOW WALL TO REMAIN.
7. DASHED LINE REPRESENTS EDGE OF HEADER/SOFFIT ABOVE TO REMAIN.
8. CMU RETAINING WALL TO REMAIN. (SEE CIVIL DRAWINGS)
9. SAWCUT AND REMOVE RETAINING WALL TO LIMITS SHOWN. (ALSO SEE CIVIL DRAWINGS)
10. REMOVE SINK AND CASEWORK. CAP PLUMBING PIPING BACK TO APPROPRIATE LOCATION AS REQUIRED. PATCH WALL AND FLOOR AS REQUIRED TO MATCH ADJACENT MATERIAL/FINISH.
11. REMOVE SINK AND UPPER AND LOWER CASEWORK. (SEE PLUMBING DRAWINGS AND VERIFY APPROPRIATE LOCATION TO CAP PLUMBING PIPING.)
12. HATCHED AREA SHOWS LIMITS OF SAWCUT AND REMOVAL OF CONCRETE SLAB. CAREFULLY ACCESS EXISTING UNDERGROUND WATER / WASTE DRAIN PIPE FOR NEW TIE-IN FROM COFFEE BAR SINK AND CUSTODIAN FLOOR SINK. (SEE PLUMBING DRAWINGS)
13. REMOVE WATER CLOSETS, URINAL, AND SINKS. CAP PLUMBING PIPING AS REQUIRED AND PREPARE FOR NEW PLUMBING FIXTURE TIE-IN TO EXISTING WATER/WASTE PIPING. (SEE PLUMBING DRAWINGS)
14. REMOVE TOILET PARTITIONS, COUNTERS, AND ALL TOILET ACCESSORIES.
15. REMOVE AND RELOCATE WATER HEATER. (SEE PLUMBING DRAWINGS FOR NEW LOCATION)
16. HATCHED AREA SHOWS LIMITS OF SAWCUT AND REMOVAL OF CONCRETE SLAB. CAREFULLY ACCESS EXISTING UNDERGROUND WATER / WASTE DRAIN PIPING FOR NEW TIE-IN FROM NEW WATER CLOSETS, URINAL, AND SINKS. COORDINATE WITH PLUMBING SUBCONTRACTOR
17. REMOVE SHELVING.
18. REMOVE CMU BLOCK WALL TO LIMITS SHOWN. CAREFULLY REMOVE CMU AT LOCATIONS ADJACENT TO CMU WALLS WHICH ARE TO REMAIN. PATCH ADJACENT REMAINING WALLS AND CONCRETE SLAB AS REQUIRED FOR FLUSH AND SMOOTH FINISH. PRIOR TO REMOVAL OF WALL VERIFY WHETHER THERE IS ANY ROOF AND/OR SUPPORT CONNECTION TO THE ROOF STRUCTURE.
19. INSTALL SHORING AS REQUIRED PRIOR TO REMOVAL OF THIS CMU WALL FOR CMU LINTEL / WALL ABOVE WHICH IS TO REMAIN. (SEE STRUCTURAL DRAWINGS FOR NEW STRUCTURAL SUPPORT)
20. REMOVE STUD AND GYPSUM BOARD PARTITION TO LIMITS SHOWN. PATCH REMAINING WALLS AND CONCRETE SLAB AS REQUIRED FOR FLUSH AND SMOOTH FINISH.
21. REMOVE WOOD DOOR AND HOLLOW METAL FRAME ASSEMBLY, TYPICAL.
22. REMOVE WOOD ACCORDION DOOR AND TRACK ASSEMBLY.
23. REMOVE GRAVEL AND EARTH AT THIS AREA WHICH IS CURRENTLY AT THE WINDOW SILL ELEVATION. REMOVE DOWN TO BOTTOM OF BUILDING SLAB ELEVATION. PREPARE AREA FOR NEW DEPRESSED CONCRETE SLAB AND WALK-OFF MAT. (SEE NEW FLOOR PLAN AND CIVIL DRAWINGS)
24. TEMPORARILY REMOVE TOP GRAVEL AND EARTH BELOW TO LEVEL OF FINISH FLOOR SLAB AT THIS AREA WHICH IS CURRENTLY AT WINDOW SILL ELEVATION. REINSTALL EARTH AND TOP GRAVEL AFTER NEW WALL CONSTRUCTION AND WATERPROOFING IS COMPLETED.
25. SAWCUT AND REMOVE LOW CMU WALL BETWEEN WALL AND COLUMN.
26. GRAVEL AND EARTH AT THIS AREA TO REMAIN. SEE SITE PLAN FOR NEW LOW RETAINING CAST-IN-PLACE CONCRETE WALL. VERIFY AMOUNT OF GRAVEL AND EARTH TO BE TEMPORARILY REMOVED FOR CONSTRUCTION OF NEW RETAINING WALL. REINSTALL EARTH AND TOP GRAVEL AS REQUIRED AFTER COMPLETION OF RETAINING WALL.
27. REMOVE EXISTING CONCRETE STEPS AND CONCRETE WALK. REMOVE CONCRETE WALK UP TO EXISTING JOINT ADJACENT TO DOORWAY.
28. REMOVE EXISTING STEEL PIPE HANDRAILS.
29. SAWCUT AND REMOVE LOW CMU WALL AND WINDOW ASSEMBLY TO LIMITS SHOWN. CAREFULLY REMOVE CMU AT LOCATIONS ADJACENT TO CMU WALLS WHICH ARE TO REMAIN. PATCH ADJACENT REMAINING WALLS AND CONCRETE SLAB AS REQUIRED FOR FLUSH AND SMOOTH FINISH. CMU WALL FROM HEADER AND ABOVE TO REMAIN.
30. REMOVE CARPET FLOORING.
31. REMOVE LAY-IN CEILING GRID ASSEMBLY (@ +8'-0") INCLUDING LIGHT FIXTURES, EXIT LIGHTS, HVAC DIFFUSERS, SPEAKERS, SMOKE DETECTORS AND DUCTWORK ABOVE.
32. REMOVE SLOPING GYPSUM BOARD CEILING ASSEMBLY (@ APPROX. +10'-0" THRU +10'-6") WHICH IS ATTACHED TO SLOPING ROOF JOISTS AND REMOVE BATT INSULATION FROM IN BETWEEN JOISTS.
33. REMOVE VCT FLOORING.
34. REMOVE CERAMIC FLOORING AND WALL TILE IN ENTIRE RESTROOM.
35. REMOVE CERAMIC TILE IN VESTIBULE.
36. EXISTING 8" PORTION OF WALL WHICH EXTENDS UP TO SOFFIT IS TO REMAIN.
37. VERIFY IN FIELD WHETHER THIS PORTION OF THE EXISTING CONCRETE SLAB IS REQUIRED TO BE REMOVED FOR CONNECTION AND OR PLACEMENT OF NEW UNDERGROUND WATER / WASTE DRAIN PIPING. COORDINATE WITH PLUMBING SUBCONTRACTOR.
38. EXISTING PORTION OF CONCRETE SLAB TO REMAIN.
39. EXISTING SEMI-RECESSED PAPER TOWEL DISPENSER / WASTE RECEPTACLE TO BE REMOVED.
40. REMOVE EXISTING RECESSED SANITARY NAPKIN DISPENSER.
41. SAWCUT NEW DOORWAY OPENING IN EXISTING GYPSUM BOARD AND STUD WALL TO ACCOMMODATE A 3'-4" x 7'-2" HOLLOW METAL FRAME.
42. REMOVE EXISTING ALUMINUM STOREFRONT VESTIBULE.
43. REMOVE EXISTING ALUMINUM STOREFRONT AT CONNECTION AND PREPARE TO RECEIVE NEW METAL STUD AND GYPSUM BOARD PARTITION. (SEE FLOOR PLAN)

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

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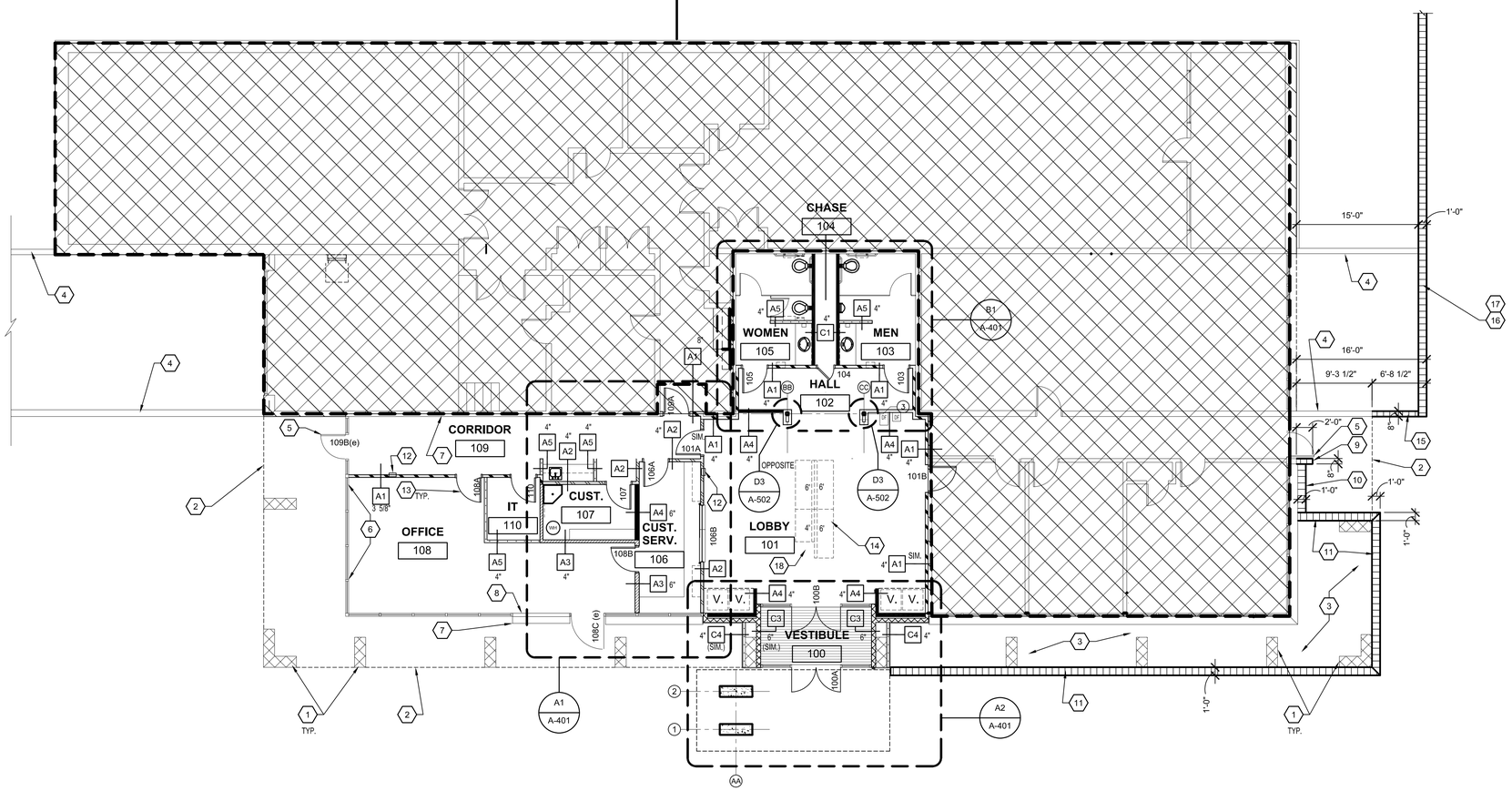
BUILDING DEMOLITION PLAN

AD-101

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

GENERAL NOTES:

A. ALL STRUCTURAL MISCELLANEOUS WOOD BUILDING MATERIALS ON THIS PROJECT MUST BE FIRE RETARDANT TREATED WOOD IN COMPLIANCE WITH IBC 603.1
B. DIMENSIONS ARE TO FACE OF STUD OR COLUMN GRID OR FACE OF CMU.
C. SEE SHEET A-601 FOR PARTITION SCHEDULE.
D. SEE SHEET A-602 FOR DOOR AND WINDOW TYPES, AND DOOR AND FINISH SCHEDULES.
E. SEE SHEET A-401 FOR ENLARGED PLANS AND INTERIOR ELEVATIONS.
F. EXTERIOR DOOR OPENING FORCE NOT TO EXCEED 8-10 LBS. MAX.
G. INTERIOR DOOR OPENING FORCE NOT TO EXCEED 5 LBS. MAX.

SHEET KEYNOTES:

1. EXISTING CMU/(SPLIT FACE) COLUMN.
2. DASHED LINE REPRESENTS EXISTING EDGE ABOVE OF FACADE OF BUILDING.
3. EXISTING GRAVEL AND EARTH FILL. (SEE CIVIL DRAWINGS)
4. EXISTING RETAINING CMU WALL.(SPLIT FACE)
5. EXISTING ALUMINUM DOOR AND STOREFRONT ASSEMBLY. (SEE DOOR SCHEDULE)
6. EXISTING ALUMINUM STOREFRONT ASSEMBLY.
7. EXISTING CMU WALL. (SPLITFACE)
8. EXISTING GYPSUM BOARD AND STUD WALL.
9. NEW 8" WIDE CAST-IN-PLACE WALL. TOP OF WALL AT +5'-8" ABOVE BUILDING SLAB ELEVATION. (SEE CIVIL DRAWINGS) PROVIDE AND INSTALL DOOR STOP ON WALL.
10. NEW 12" WIDE CAST-IN-PLACE CONCRETE WALL. EXTEND UP TO BOTTOM OF EXISTING CMU WALL OVERHANG. (SEE CIVIL DRAWINGS)
11. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL. TOP OF WALL AT +36" ABOVE FINISH FLOOR OF BUILDING. (SEE CIVIL DRAWINGS)
12. NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER. (SEE SPECIFICATIONS) MOUNT CABINET 4'-0" MAX. FROM FINISH FLOOR TO CENTER OF CABINET DOOR HANDLE
13. NEW DOOR, TYPICAL. (SEE DOOR SCHEDULE)
14. BENCHES - COURTYARD SERIES BY WABASH VALLEY. (3) 6' LONG BENCHES AND (1) 4' LONG BENCH WITH BACK, SURFACE MOUNT, ALUMINUM, PERFORATED PATTERN. COLOR BLACK.
15. NEW 8" WIDE CAST-IN-PLACE WALL. TOP OF WALL +6'-0" (V.I.F.) ABOVE FINISH FLOOR OF BUILDING. VERIFY TOP OF WALL ELEVATION FOR COMPLETE COVERAGE OF EXPOSED PORTION OF CMU WALL WHICH WAS REMOVED.
16. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL. TOP OF WALL AT +6'-0" ABOVE FINISH FLOOR OF BUILDING. (SEE CIVIL DRAWINGS) (ALT. NO. 1)
17. SEE SHEET C-102 FOR LIMITS OF ALTERNATE NO. 1
18. ACCESSIBLE SEATING AREA..

PARTITION LEGEND (SEE SHEET A-601 FOR PARTITION SCHEDULE)

- 1 HOUR: 4" METAL STUD PARTITION WITH SINGLE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE WITH SOUND BATT INSULATION (EXTEND TO BOTTOM OF METAL DECK)
- 1 HOUR: 4" METAL STUD PARTITION WITH SINGLE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE (EXTEND TO BOTTOM OF METAL DECK)
- DEMISING: 4" OR 6" STUD PARTITION (EXTEND TO BOTTOM OF METAL DECK)
- SOUND: 4" OR 6" METAL STUD PARTITION WITH SOUND BATT INSULATION (EXTEND UP TO BOTTOM OF DECK)
- 4" METAL STUD PARTITION (INSTALL STUDS TO 6" ABOVE ADJACENT CEILING OR SOFFIT)
- 6" METAL STUD PARTITION WITH R-19 BATT INSULATION (EXTEND STUD WALL AND INSULATION TO BOTTOM OF METAL DECK)
- 8" OR 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL
- CAST-IN-PLACE CONCRETE COLUMN
- EXISTING CMU COLUMN

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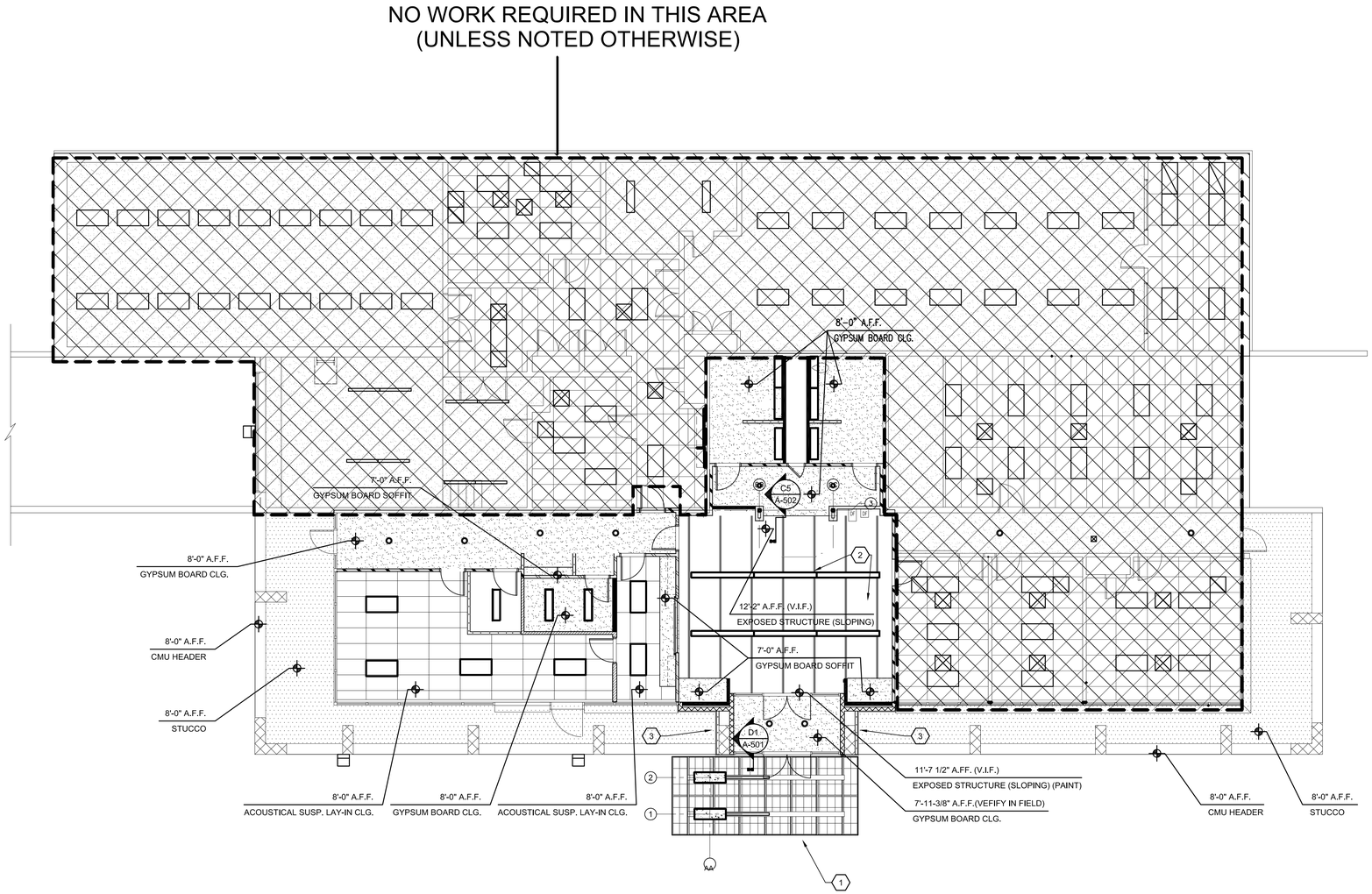
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BUILDING FLOOR PLAN

A-101

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A1 BUILDING REFLECTED CEILING PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. SEE FINISH SCHEDULE ON SHEET A-602 FOR ROOM FINISHES.
B. TYPICAL LAY-IN CEILING SEISMIC DETAIL. (SEE A1/A-502)

SHEET KEYNOTES:

1. TRANSLUCENT PANEL AND STEEL STRUCTURE ENTRY CANOPY. (SEE SHEET A-202, S-302, AND SPECIFICATIONS)
2. EXPOSED STRUCTURE, CONDUITS, PIPING, DUCTWORK, ETC. (PAINT ALL, TYPICAL) (SEE FINISH SCHEDULE)
3. SAWCUT EXISTING STUCCO AND SHEATHING AS REQUIRED FOR NEW CONSTRUCTION TIE-IN.

LEGEND

- RECESSED 2' x 4' LED LIGHT FIXTURE
- SUSPENDED LED LIGHT FIXTURE
- LED LIGHT FIXTURE (MOUNT ON WALL UP AGAINST CEILING)
- RECESSED DOWN LIGHT FIXTURE
- 2' x 4' SUSPENDED GRID SYSTEM SEE DETAIL __/A-501 FOR SEISMIC BRACING
- TRANSLUCENT CANOPY
- NEW GYPSUM BOARD CEILING OR SOFFIT
- EXISTING GYPSUM BOARD CEILING OR SOFFIT
- STUCCO SOFFIT

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2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

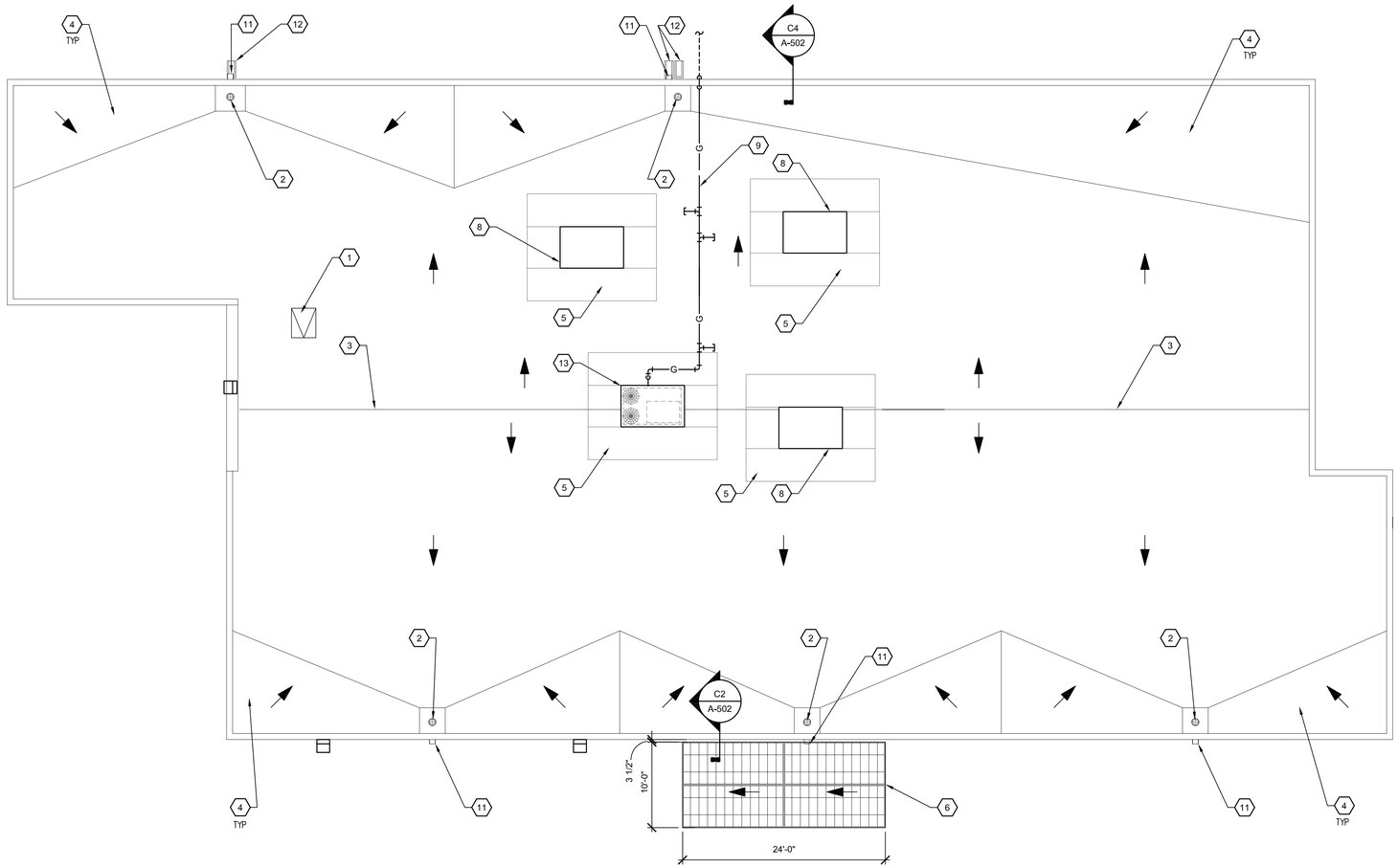
1	07/30/2020	BID DOCUMENTS

BUILDING REFLECTED CEILING PLAN

A-102

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A1 BUILDING DEMOLITION/NEW ROOF PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR TO VERIFY LIMITS OF WORK PRIOR TO DEMOLITION.
B. CONTRACTOR TO VERIFY EXTENT OF WHERE EXISTING ROOF DRAINS EXTEND UNDERGROUND PRIOR TO EXCAVATION AND/OR DEMOLITION.
C. THE OWNER HAS PURCHASED TWO RTU'S FOR THE PROJECT. BOTH UNITS ARE LOCATED AT THE SF TRAILS MAINTENANCE FACILITY ON RUFINA ST. THE CONTRACTOR IS TO INSTALL ONE OF THE RTU'S ON THE ROOF AS INDICATED ON THE BID DOCUMENTS. THE SECOND RTU IS TO BE SAFELY STORED ON SITE AT A LOCATION AS DIRECTED BY THE CITY.

SHEET KEYNOTES:

1. EXISTING ROOF HATCH. (PAINT HATCH)
2. EXISTING ROOF DRAIN.
3. RIDGE LINE.
4. EXISTING CRICKET. (TYPICAL)
5. EXISTING WALKWAY PADS.
6. TRANSLUCENT PANEL AND STEEL STRUCTURE ENTRY CANOPY. (SEE SHEET A-202, S-302, AND SPECIFICATIONS)
7. NOT USED
8. EXISTING CURB AND ROOF OPENINGS FOR FUTURE ROOF TOP UNITS.
9. NEW GAS LINE. (SEE MECHANICAL SHEET M-201 FOR ADDITIONAL INFORMATION.
10. NOT USED
11. EXISTING OVERFLOW SCUPPER.
12. NEW CONCRETE SPLASH BLOCK BELOW. (SEE DETAIL A5 / A-502)
13. NEW ROOFTOP UNIT (SEE MECHANICAL) INSTALL ON EXISTING CURB. MODIFY CURB AS REQUIRED. REMOVE EXISTING ROOF DECK AS REQUIRED FOR DUCTWORK.

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STATE OF NEW MEXICO
JOHN L. ROMERO
No. 1658
REGISTERED ARCHITECT
4/1/20

SOUTHSIDE TRANSIT CENTER
2521 CAMINO ENTRADA
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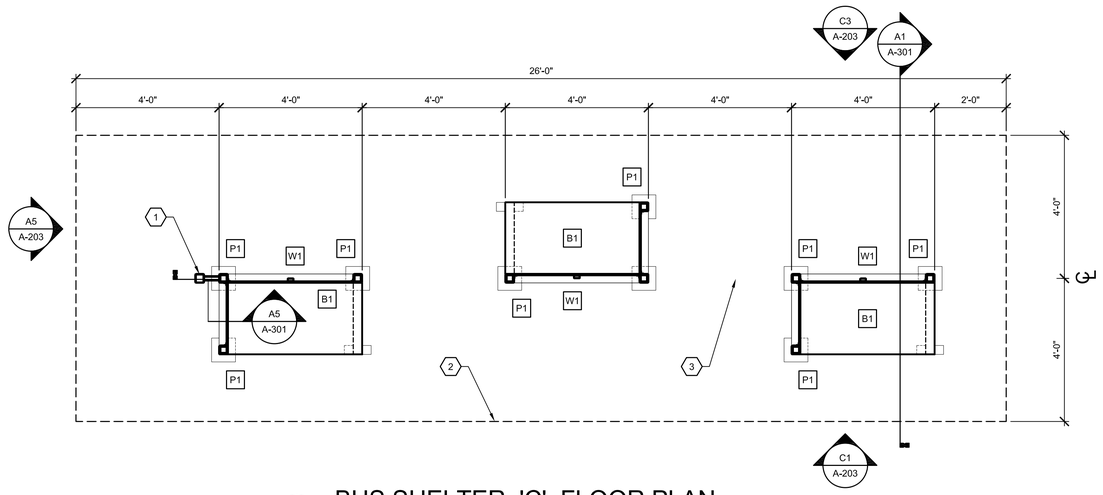
2	09/25/20	ADDENDUM NO. 01
1	08/2019	BID DOCUMENTS

BUILDING DEMO. / NEW ROOF PLAN

A-103

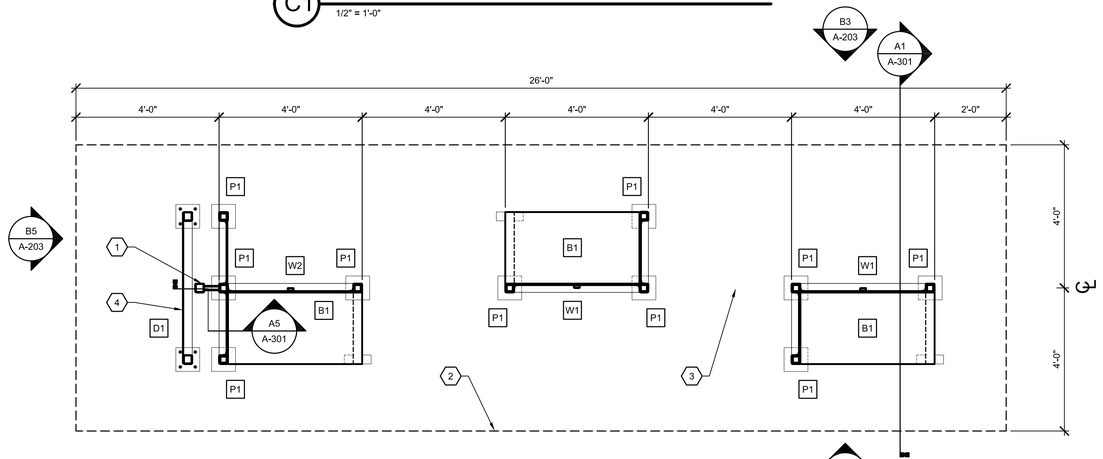
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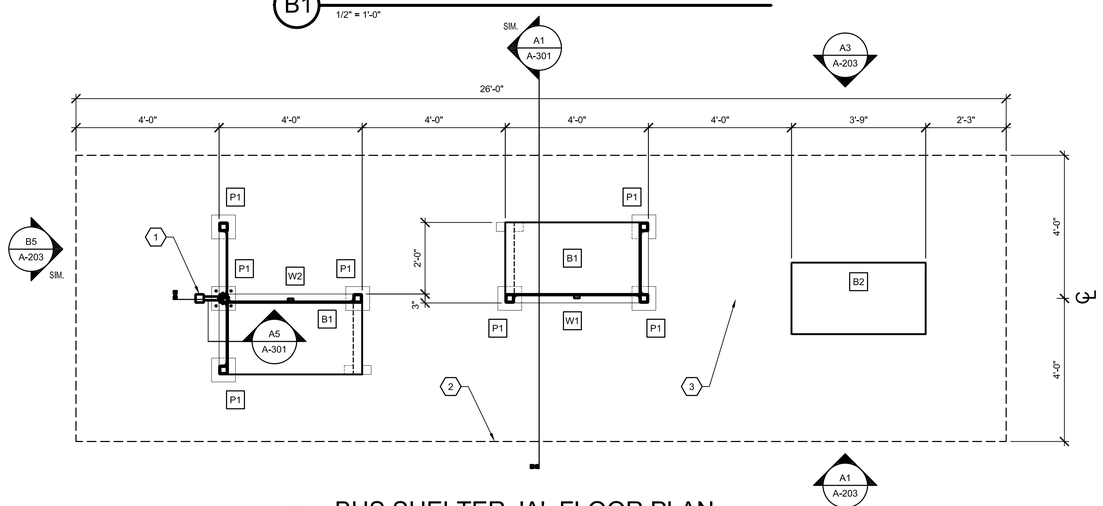
C1 BUS SHELTER 'C' FLOOR PLAN

1/2" = 1'-0"



B1 BUS SHELTER 'B' FLOOR PLAN

1/2" = 1'-0"



A1 BUS SHELTER 'A' FLOOR PLAN

1/2" = 1'-0"

GENERAL NOTES:

A. **ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.**

B. **EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.**

SHEET KEYNOTES:

1. 3"x3"x3/16" TUBE STEEL DOWNSPOUT.
2. LINE OF ROOF ABOVE. (SEE ROOF PLAN ON A1/A-106)
3. CENTER LINE OF ROOF BEAM.
4. DIGITAL DISPLAY PANEL INSTALLED BY THE GENERAL CONTRACTOR TO PROVIDE A MOUNTING SURFACE FOR ARMGARD ENCLOSURE. ARMGARD TO BE PROVIDED AND INSTALLED BY THE OWNER. (SEE B3 AND C3/A-106)

LEGEND

B1. BENCH COMPONENT (SEE A1 & C1/A-503)
B2. BENCH COMPONENT (SEE B1 & C1/A-503)
D1. DIGITAL DISPLAY COMPONENT INSTALLED BY THE GENERAL CONTRACTOR. ELECTRONIC DISPLAY INSTALLED BY THE OWNER. (SEE B3 AND C3/A-103)
P1. ADJUSTABLE FOOT BASE PLATE (SEE A4/A-503)
W1. WALL COMPONENT (SEE B1/A-106)
W2. WALL COMPONENT (SEE C1/A-106)

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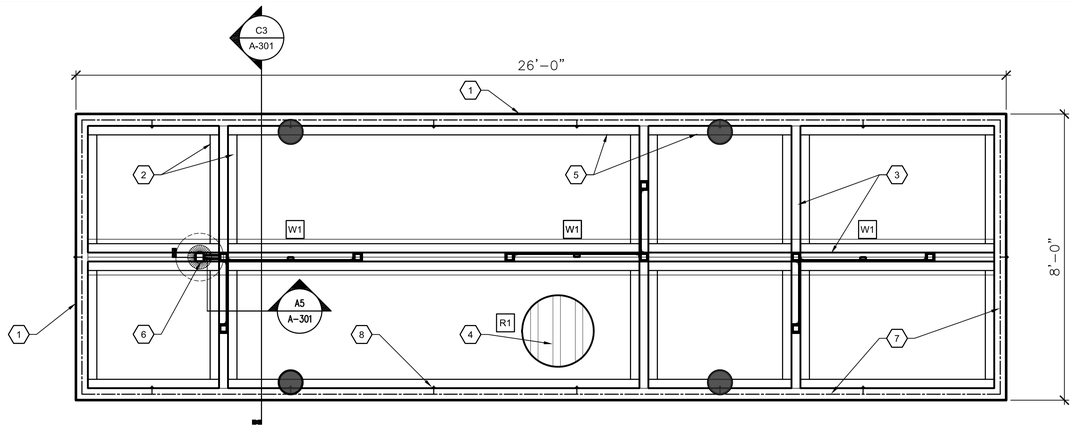
1	07/30/2020	BID DOCUMENTS

BUS SHELTER FLOOR PLANS

A-104

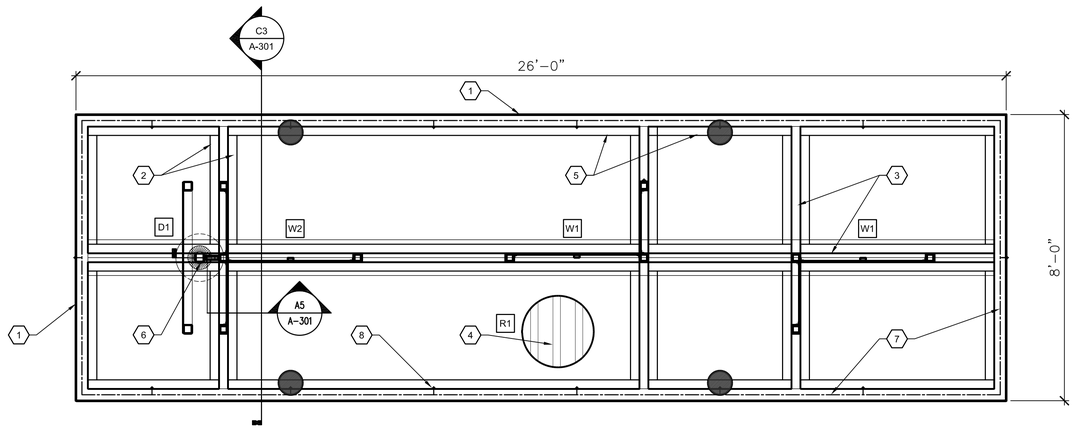
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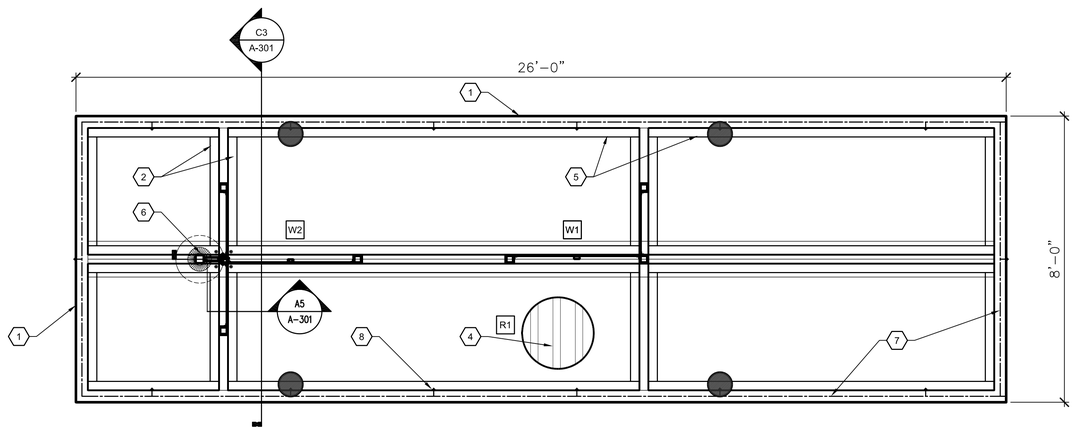
C1 BUS SHELTER REFLECTED CEILING 'C'

1/2" = 1'-0"



B1 BUS SHELTER REFLECTED CEILING 'B'

1/2" = 1'-0"



A1 BUS SHELTER REFLECTED CEILING 'A'

1/2" = 1'-0"

GENERAL NOTES:

A. **ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.**

B. **EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.**

SHEET KEYNOTES:

1. 4"x16"x3/16" TUBE STEEL PERIMETER FRAME, TYPICAL.
2. 3"x8"x3/16" STEEL ANGLE WELDED TO TUBE STEEL..
3. 3"x8"x3/16" TUBE STEEL FRAME.
4. TYPE C, 9/16", 24 GAUGE GALVANIZED METAL DECK, SLOPE 1/4" PER FOOT. ATTACH TO SUPPORTS WITH #12 SELF TAPPING SCREWS WITH NEOPRENE WASHERS 6" O.C.
5. 2"x2"x3/16" STEEL ANGLE WELDED TO FRAME. SLOPE PER ROOF PLAN.
6. 3"x3"x3/16" TUBE STEEL DOWNSPOUT.
7. PULL WIRES IN TUBE STEEL FRAME FOR ELECTRICAL, TYP.
8. I" HOLE WITH REMOVABLE PLUG FOR FUTURE LIGHT FIXTURES, TYP.

LEGEND

D1. DIGITAL DISPLAY COMPONENT INSTALLED BY THE GENERAL CONTRACTOR. ELECTRONIC DISPLAY INSTALLED BY THE OWNER. (SEE B3 AND C3/A-103)
R1. ROOF COMPONENT (SEE A1/A-106)
W1. WALL COMPONENT (SEE B1/A-106)
W2. WALL COMPONENT (SEE C1/A-106)

LIGHT FIXTURE. (SEE ELECTRICAL DRAWINGS)

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7-31-2020

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SANTA FE TRAILS

CITY OF SANTA FE

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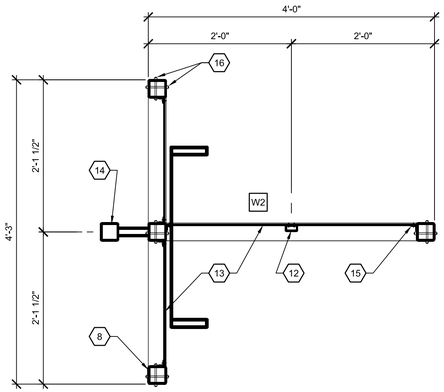
1	07/30/2020	BID DOCUMENTS

BUS SHELTER REFLECTED CEILING PLANS

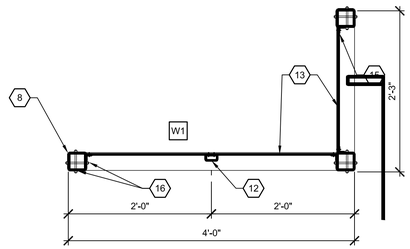
A-105

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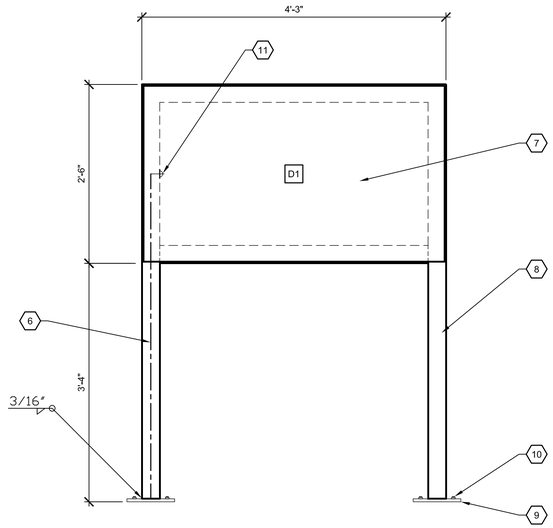
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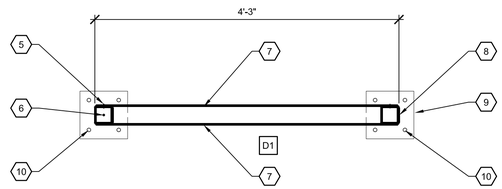
C1 WALL COMPONENT PLAN (W2)
1" = 1'-0"



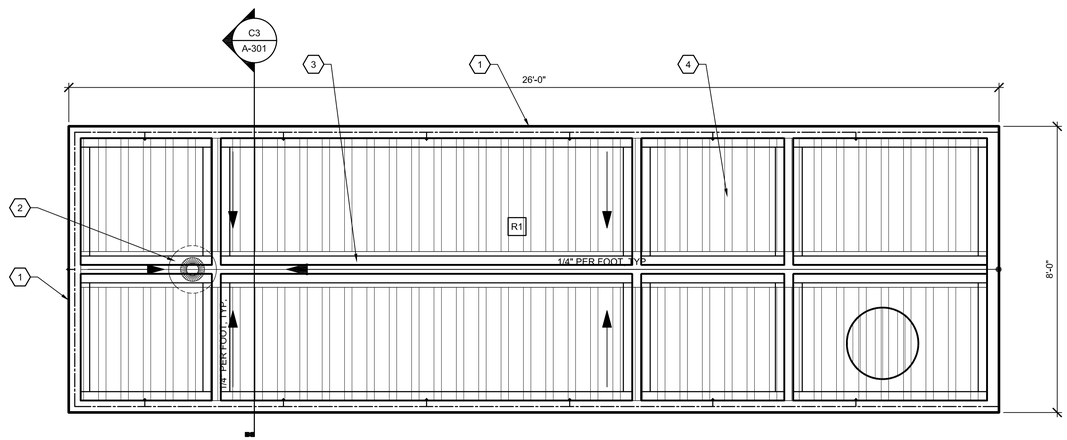
B1 WALL COMPONENT PLAN (W1)
1" = 1'-0"



C3 DISPLAY PANEL ELEVATION
1" = 1'-0"



B3 DISPLAY COMPONENT PLAN (D1)
1" = 1'-0"



A1 BUS SHELTER ROOF PLAN (TYPICAL)
1/2" = 1'-0"

GENERAL NOTES:

A. **ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.**

B. **EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.**

SHEET KEYNOTES:

1. 4"x16"x3/16" TUBE STEEL PERIMETER FRAME. (TYP.)
2. INSTALL ROOF DRAIN. CONNECT TO DOWNSPOUT AS REQUIRED. (TYPICAL)
3. 16" WIDE GALVANIZED VALLEY FLASHING.
4. ROOF CANOPY COMPONENT. CONNECT TO WALL COMPONENTS AS REQUIRED.
5. 1/4" THREADED ROD FASTENER W/ TAMPERPROOF NUT W/ NEOPRENE WASHERS ON BOTH SIDES @ 12" O.C. ALL AROUND PERIMETER OF PANEL. (TYPICAL)
6. PULL WIRES IN TUBE STEEL FRAME FOR ELECTRICAL. (TYPICAL)
7. 11 GA STEEL PLATE BOLTED TO TUBE STEEL. (TYPICAL)
8. 3"x3"x3/16" TUBE STEEL FRAME.
9. 1/2"x6"x8" STEEL PLATE WITH (4) 3/4" Ø HOLES.
10. PROVIDE AND INSTALL (4) 5/8" Ø x 12" LONG HILTI HIT-HY200 INJECTION ADHESIVE ANCHORS (USING HILTI HIT-Z RODS) WITH **MINIMUM 8 1/2" EMBEDMENT.**
11. 1" HOLE WITH REMOVABLE PLUG FOR ELECTRICAL POWER TO DIGITAL DISPLAY.
12. 1"x2"x3/16" TUBE STEEL. (TYPICAL)
13. DECORATIVE METAL PANEL. (TYPICAL)
14. 3"x3"x3/16" TUBE STEEL DOWNSPOUT.
15. 1"x1"X3/16" STEEL ANGLE ALREADY WELDED TO TUBE STEEL FRAME. (TYPICAL)
16. INSTALL 1/2" STEEL THRU BOLT W/ NEOPRENE WASHERS IN BOTH DIRECTIONS FOR ATTACHMENT TO ADJUSTABLE FOOT F1.

LEGEND

D1. DIGITAL DISPLAY COMPONENT INSTALLED BY THE GENERAL CONTRACTOR. ELECTRONIC DISPLAY INSTALLED BY THE OWNER. (SEE B3 AND C3/A-106)
R1. ROOF COMPONENT
W1. WALL COMPONENT (SEE B1/A-106)
W2. WALL COMPONENT (SEE C1/A-106)

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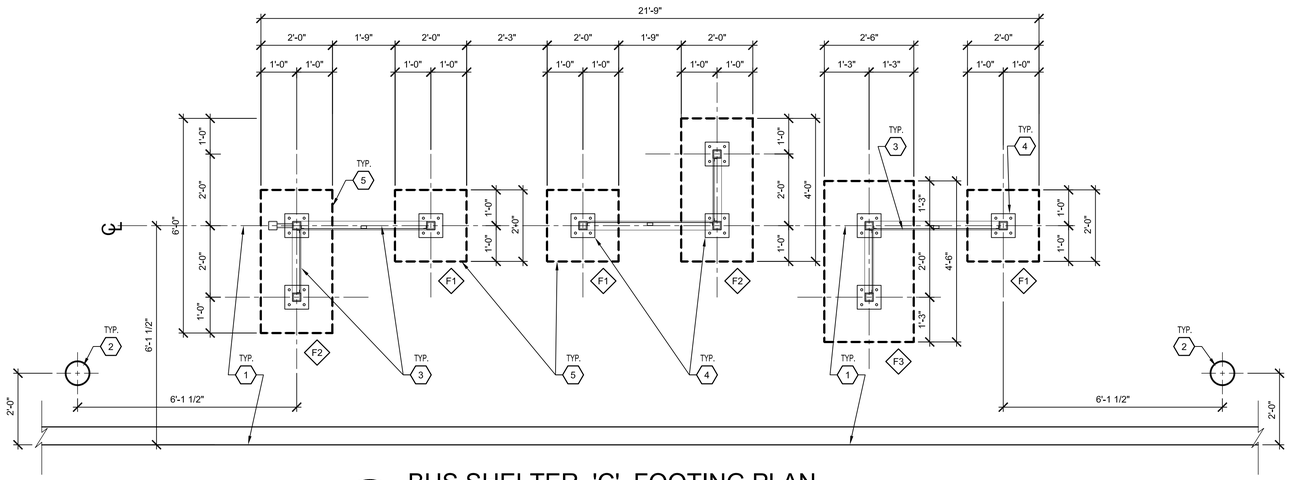
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BUS SHELTER ROOF PLAN AND WALL COMPONENT PLANS

A-106

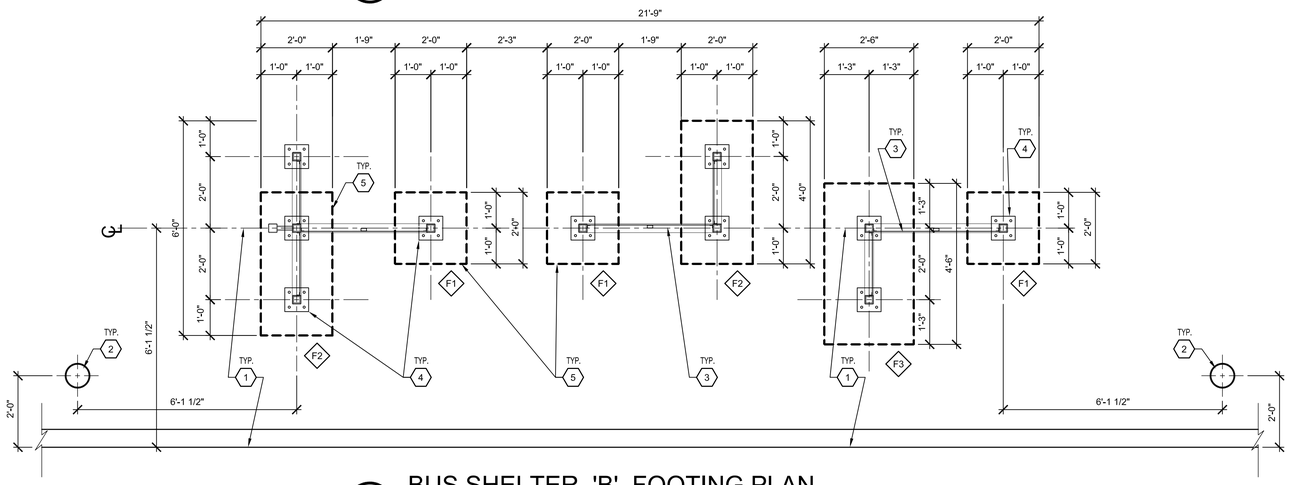
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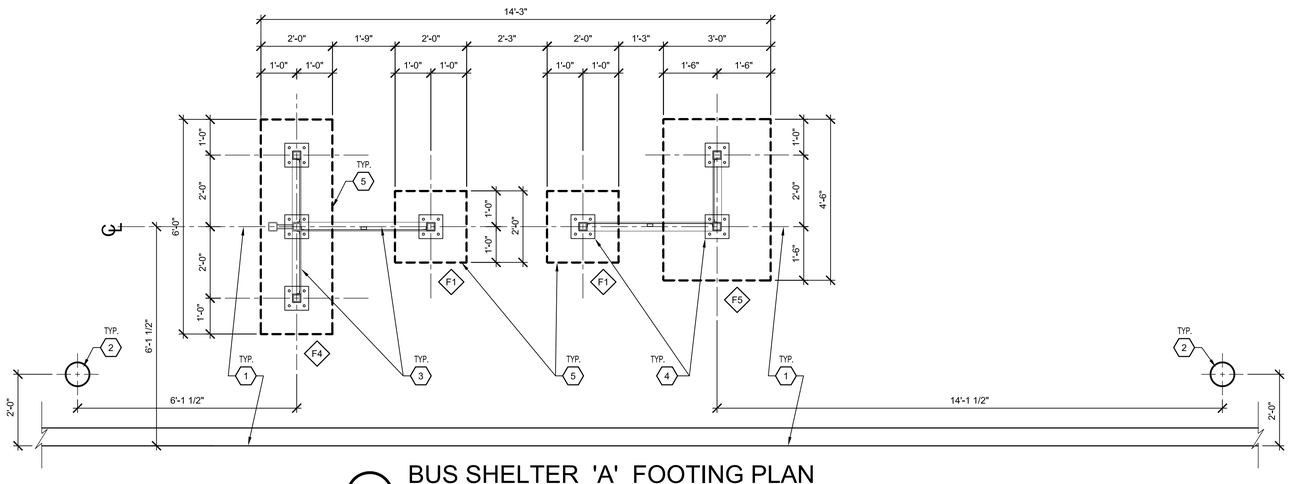
C1 BUS SHELTER 'C' FOOTING PLAN

1/2" = 1'-0"



B1 BUS SHELTER 'B' FOOTING PLAN

1/2" = 1'-0"



A1 BUS SHELTER 'A' FOOTING PLAN

1/2" = 1'-0"

GENERAL NOTES:

A. **ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.**

B. **EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.**

SHEET KEYNOTES:

1. LOCATE BUS SHELTER FROM FACE OF CONCRETE CURB TO CENTERLINE OF WALL COMPONENTS. (SEE SITE PLAN ON C-102 FOR LONGITUDINAL LOCATION OF EACH BUS SHELTER)
2. LIGHT FIXTURE LOCATION. (SEE ELECTRICAL DRAWINGS)
3. WALL COMPONENTS SHOWN FOR REFERENCE ONLY. (TYPICAL)
4. BASE PLATE. (SEE A1/A-301 AND A4/A-503)
5. DASHED LINE REPRESENTS OUTLINE OF FOOTING.

FOOTING TYPE

F1. 2'-0"x2'-0"x1'-6" w/3 - #5 EACH WAY.
F2. 2'-0"x4'-0"x1'-6" w/3 - #5 LONG AND 5 - #5 SHORT.
F3. 2'-6"x4'-6" x1'-6" w/3 - #5 LONG AND 5 - #5 SHORT.
F4. 2'-0"x6'-0"x1'-6" w/3 - #5 LONG AND 7 - #5 SHORT.
F5. 3'-0"x4'-6" x 1'-6" w/4 - #5 LONG AND 5 - #5 SHORT.

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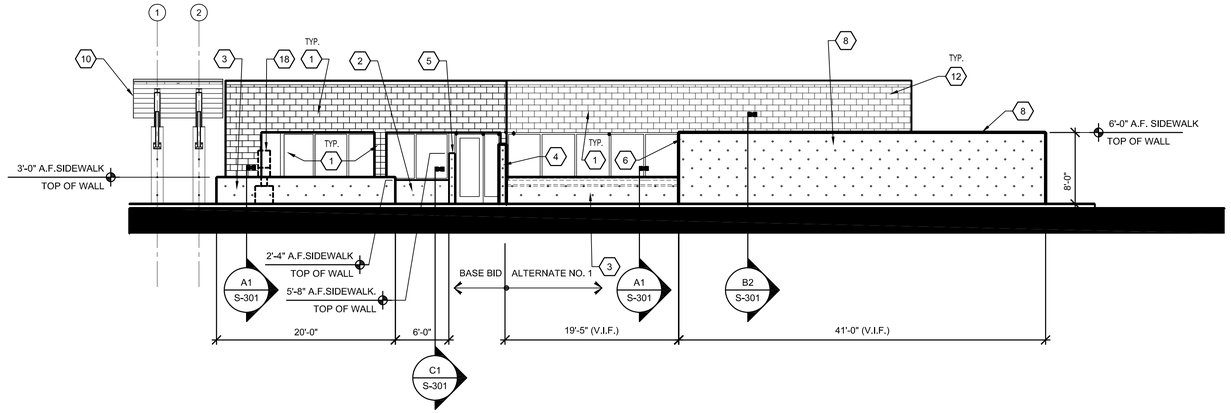
4	07/30/2020	BID DOCUMENTS
3	02/08/18	100% SUBMITTAL
2	12/04/17	100% REVIEW SUBMITTAL
1	02/24/17	95% REVIEW SUBMITTAL

BUS SHELTER FOOTING PLANS

A-107

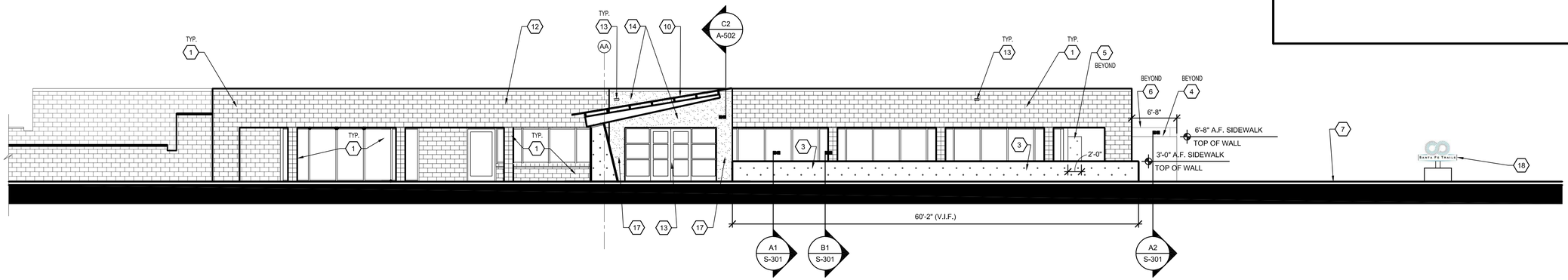
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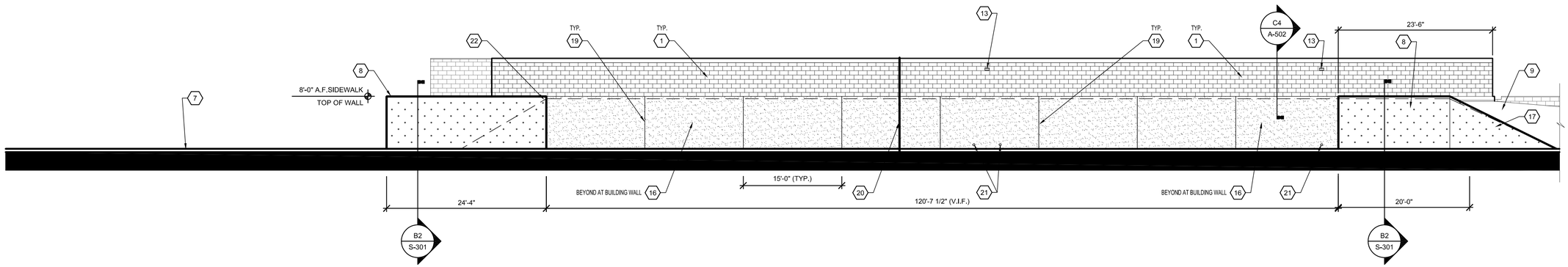
C1 EXISTING BUILDING & NEW RETAINING WALL ELEVATION - EAST

1/8" = 1'-0"



B1 EXISTING BUILDING & NEW RETAINING WALL ELEVATION - SOUTH

1/8" = 1'-0"



A1 EXISTING BUILDING & NEW RETAINING WALL ELEVATION - NORTH

1/8" = 1'-0"

GENERAL NOTES:

A. SCOPE OF WORK SHOW ON THIS IS BASED ON BASE BID AND ALT. NO. 1 REQUIRED.
B. SEE SHEET C-102 FOR WORK UNDER ALTERNATE NO. 1. IF ALT. IS NOT ACCEPTED WORK REMAINED TO BUILDING EXTERIOR SHALL BE MODIFIED FROM THAT SHOW ON THIS SHEET

SHEET KEYNOTES:

1. EXISTING CONSTRUCTION.
2. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL (WITH INTEGRAL COLOR) AT +2'-4" TO TOP. (SEE A1/AS-301)
3. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL (WITH INTEGRAL COLOR) AT +3'-0" TO TOP. (SEE A1/A-301)
4. NEW 8" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL (WITH INTEGRAL COLOR) AT +6'-8" TO TOP. (SEE A2/A-301)
5. NEW 8" WIDE CAST-IN-PLACE CONCRETE WALL (WITH INTEGRAL COLOR) AT +5'-7" TO TOP. EXTEND OUT 24". (SEE A5/AS-301)
6. EXISTING BLOCK RETAINING WALL AT +8'-0" TO TOP.
7. CURB AT LANDSCAPING FLUSH WITH TOP OF SIDEWALK. (SEE CIVIL AND LANDSCAPING DRAWINGS)
8. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL (WITH INTEGRAL COLOR) AT +8'-0" TO TOP.
9. EXISTING SLOPING GRADE.
10. NEW TRANSLUCENT PANEL CANOPY ON STEEL STRUCTURE ON CONCRETE COLUMNS. (SEE SHEET A-202, SPECIFICATIONS, AND STRUCTURAL DRAWINGS)
11. NEW ALUMINUM STOREFRONT ENTRY.
12. EXISTING BLOCK (SPLIT FACE) AT BUILDING FACADE.
13. EXISTING SHEET METAL OVERFLOW SCUPPER.
14. 1" STUCCO ON METAL LATH ON 1/2" CDX FIRE RETARDANT TREATED PLYWOOD ON EXISTING BLOCK WALL (SPLIT FACE).
15. 1" STUCCO ON METAL LATH ON 1/2" CDX FIRE RETARDANT TREATED PLYWOOD ON EXISTING BLOCK COLUMN (SPLIT FACE) AND ON NEW METAL STUD FRAMING. (SEE DETAIL A4 / A-501)
16. 1" STUCCO ON METAL LATH ON 1/2" CDX FIRE RETARDANT TREATED PLYWOOD ON EXISTING SMOOTH FACE BLOCK. SCRAPE AND SANDBLAST FOR REMOVAL OF ALL THE EXISTING WATERPROOFING FROM THE WALL PRIOR TO INSTALLING PLYWOOD. (NOT REQUIRED IF ALT. NO. 1 IS NOT ACCEPTED)
17. NEW 12" WIDE CAST-IN-PLACE CONCRETE RETAINING WALL. (WITH INTEGRAL COLOR) TOP OF WALL ELEVATIONS TAPERS DOWN FROM +8'-0" TO TOP OF CONCRETE CURB ADJACENT TO BUS DRIVE.
18. FREE STANDING SIGN. (BY OWNER)
19. CONTROL JOINT.
20. GAS LINE. (SEE ROOF PLAN, SITE PLAN, AND UTILITY PLAN FOR LINE CONTINUATION)
21. INSTALL A NEW STAINLESS STEEL DOWNSPOUT WITH HINGED COVER AT THE EXISTING DRAIN PIPE PENETRATIONS. (SEE PLUMBING FOR DOWNSPOUT) SAWCUT EXISTING PIPE AS REQUIRED TO RECEIVE NEW DOWNSPOUT. AFTER THE EXCAVATION OF THE EXISTING EARTH BERM AGAINST THE NORTH SIDE OF THE BUILDING IS COMPLETE VERIFY THE AMOUNT OF ROOF DRAIN PENETRATIONS AND ALSO CONFIRM THE ELEVATION OF THE PENETRATIONS WILL BE 6" MIN. ABOVE THE TOP OF THE NEW DRAINAGE CULVERTS. (SEE CIVIL DRAWINGS)
22. EXISTING SCOPE TO REMAIN IF ALT. NO. 1 IS NOT ACCEPTED.

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STATE OF NEW MEXICO
JOHN J. LEONARD
No. 16581
REGISTERED ARCHITECT
7/31/20

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

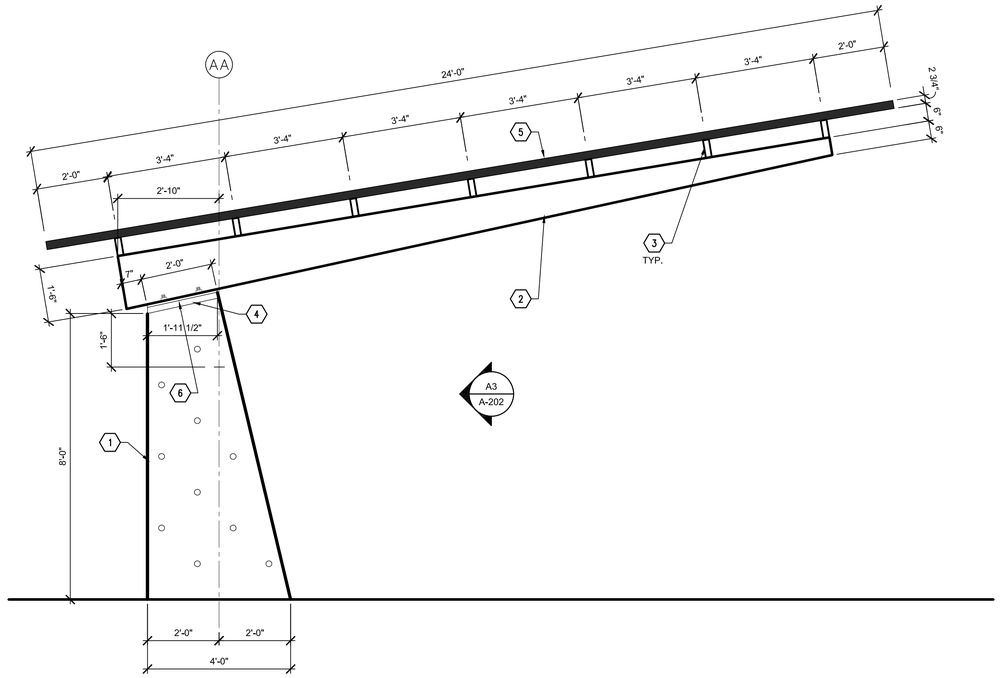
1	07/30/2020	BID DOCUMENTS

EXT. BLDG. & RETAINING WALL ELEVATIONS

A-201

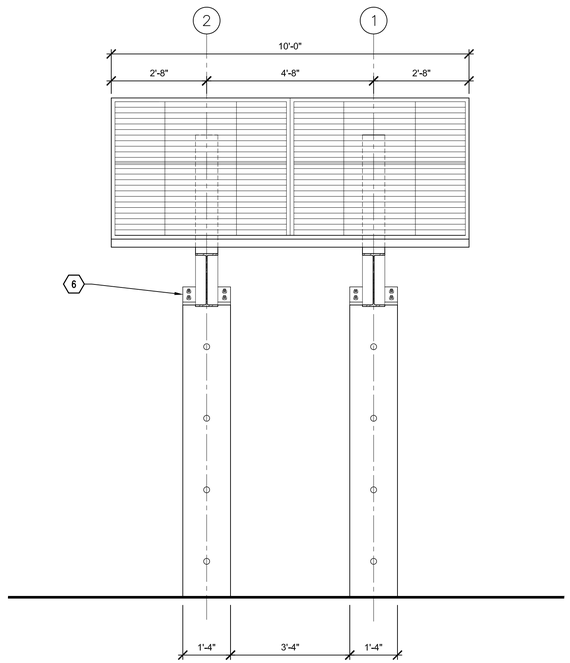
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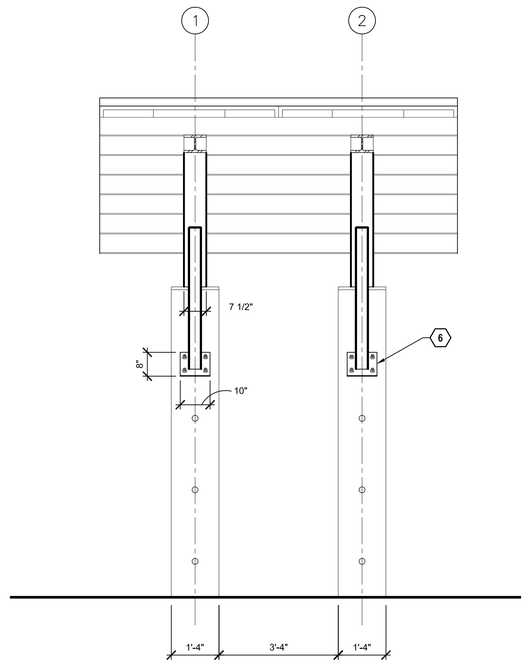
C1 ENTRY CANOPY SIDE ELEVATION

1/2" = 1'-0"



A1 ENTRY CANOPY BACK ELEVATION

1/2" = 1'-0"



A3 ENTRY CANOPY BACK ELEVATION

1/2" = 1'-0"

SHEET KEYNOTES:

1. CAST - IN - PLACE CONCRETE COLUMN WITH INTEGRAL COLOR. (SEE A1/S-302)
2. STEEL BEAM ASSEMBLY. (SEE A1/S-302)
3. TUBE STEEL PURLIN. (SEE A1/S-302)
4. 1 1/2" NON-SHRINK GROUT. (SEE A1/S-302)
5. TRANSLUCENT PANEL. (SEE SPECIFICATIONS)
6. STEEL ANCHOR PLATE. (SEE A1/S-302)

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SANTA FE TRAILS

CITY OF SANTA FE

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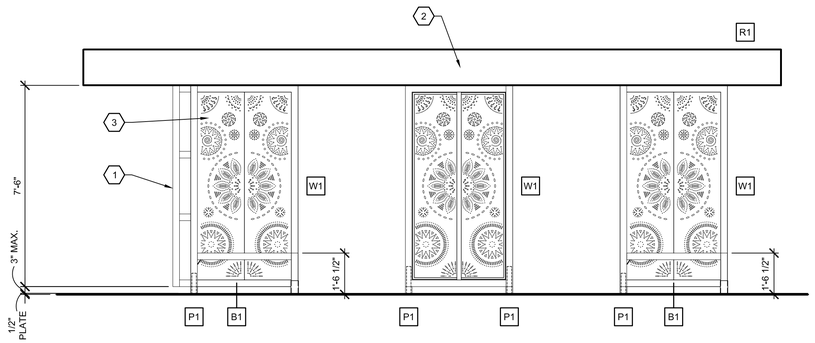
1	07/30/2020	BID DOCUMENTS

ENTRY CANOPY ELEVATIONS

A-202

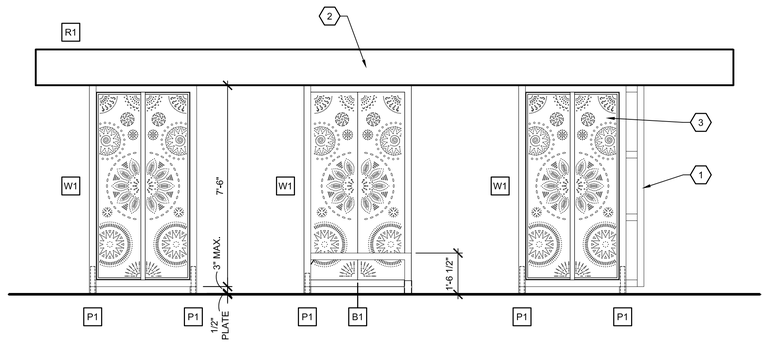
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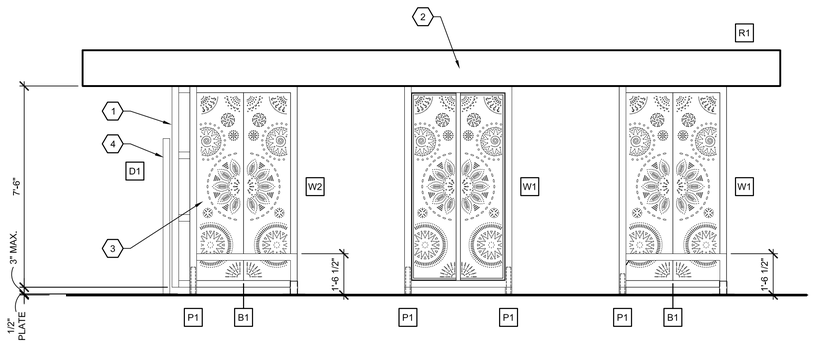
C1 BUS SHELTER 'C' ELEVATION

3/8" = 1'-0"



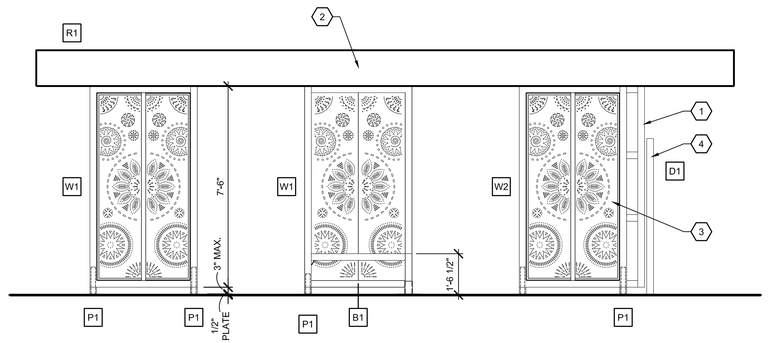
C3 BUS SHELTER 'C' ELEVATION

3/8" = 1'-0"



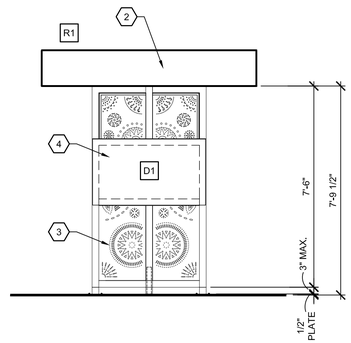
B1 BUS SHELTER 'B' ELEVATION

3/8" = 1'-0"



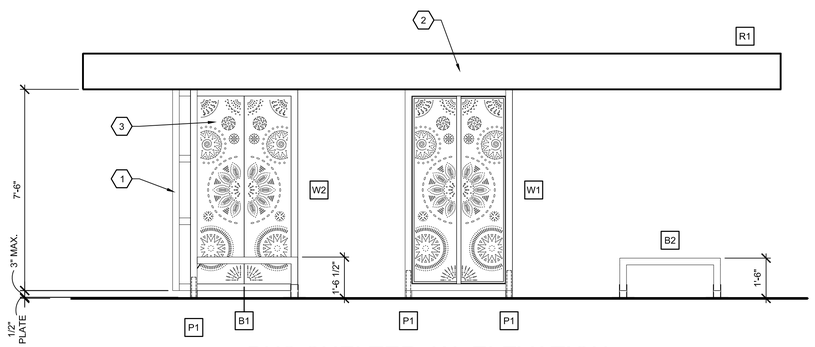
B3 BUS SHELTER 'B' ELEVATION

3/8" = 1'-0"



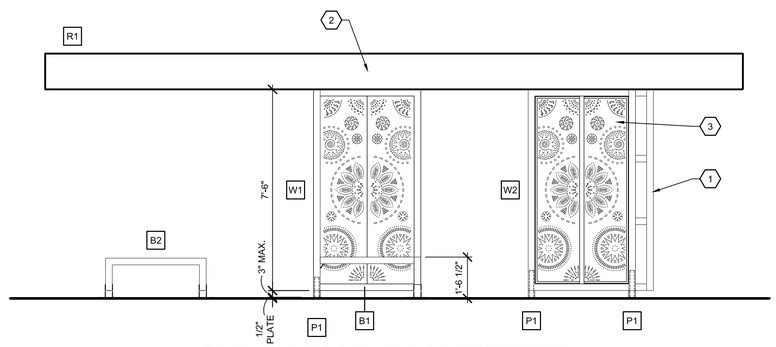
B5 ELEVATION

3/8" = 1'-0"



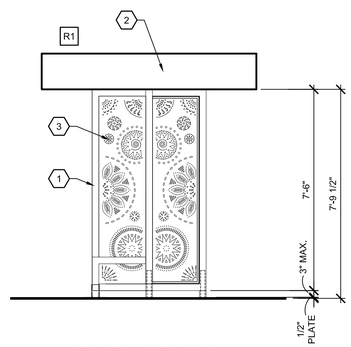
A1 BUS SHELTER 'A' ELEVATION

3/8" = 1'-0"



A3 BUS SHELTER 'A' ELEVATION

3/8" = 1'-0"



A5 ELEVATION

3/8" = 1'-0"

GENERAL NOTES:

A. ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.

B. EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.

KEYED NOTES:

1. 3"x3"x3/16" TUBE STEEL DOWNSPOUT.
2. 4"x16"x3/16" PERIMETER TUBE STEEL , TYPICAL.
3. DECORATIVE METAL PANEL.
4. DIGITAL DISPLAY PANEL INSTALLED BY THE GENERAL CONTRACTOR TO PROVIDE A MOUNTING SURFACE FOR ARMGARD ENCLOSURE. ARMGARD TO BE PROVIDED AND INSTALLED BY THE OWNER. (SEE B3 AND C3/A-106)

LEGEND

B1. BENCH COMPONENT (SEE A1 & C1/A-503)
B2. BENCH COMPONENT (SEE B1 & C1/A-503)
D1. DIGITAL DISPLAY COMPONENT INSTALLED BY THE GENERAL CONTRACTOR. ELECTRONIC DISPLAY INSTALLED BY THE OWNER. (SEE B3 AND C3/A-106)
P1. ADJUSTABLE FOOT BASE PLATE (SEE A4/A-503)
R1. ROOF COMPONENT (SEE A1/A-106)
W1. WALL COMPONENT (SEE B1/A-106)
W2. WALL COMPONENT (SEE C1/A-106)

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4/14/20

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

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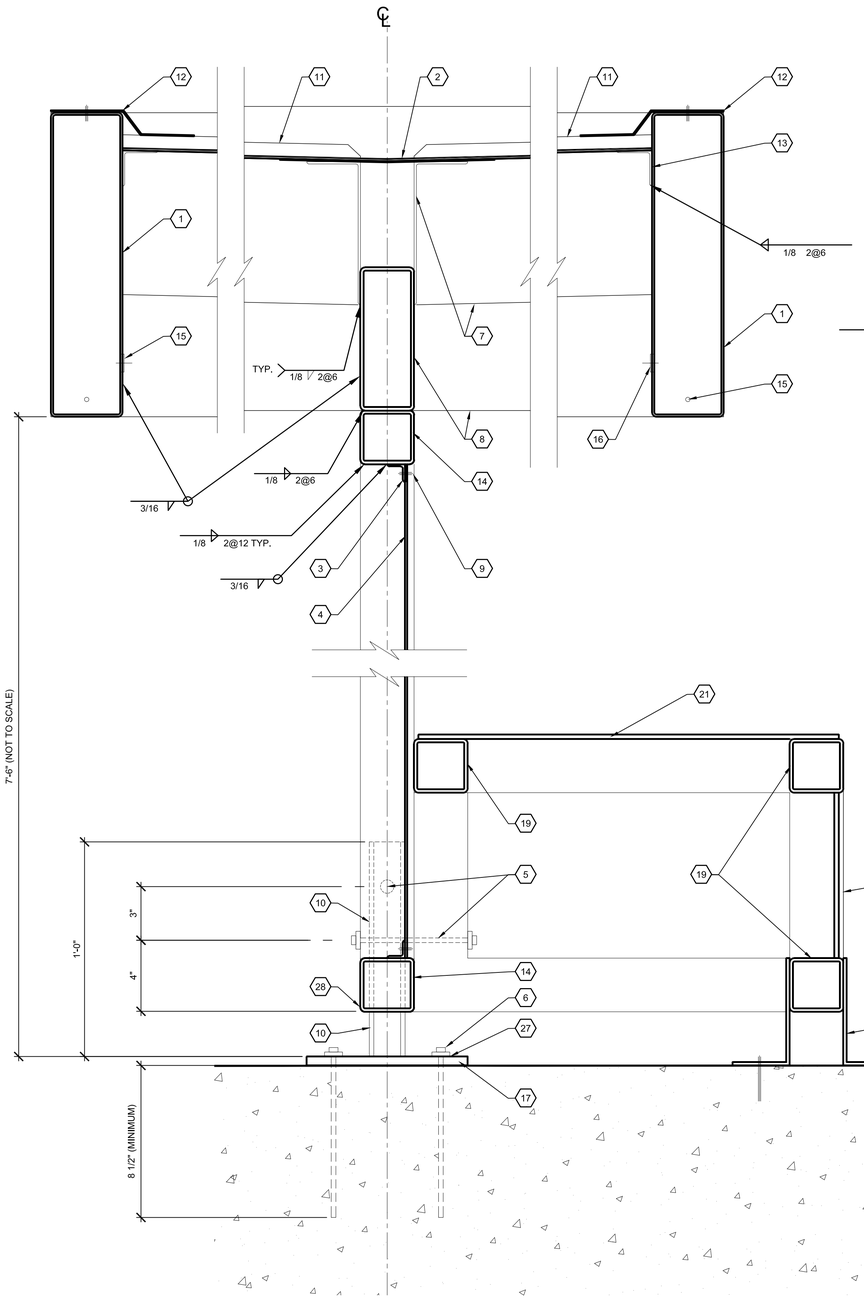
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BUS SHELTER ELEVATIONS

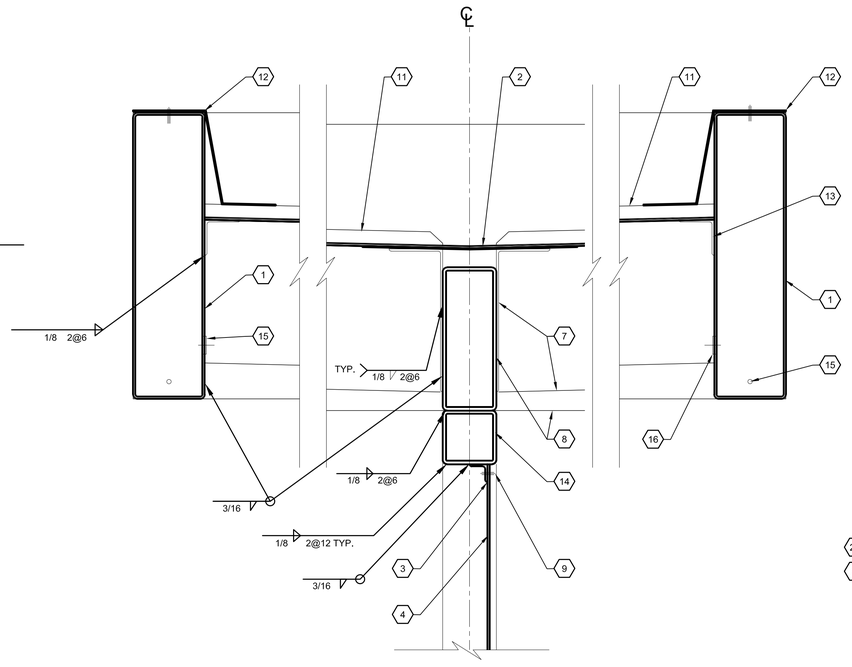
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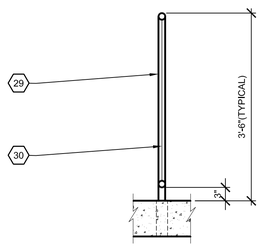
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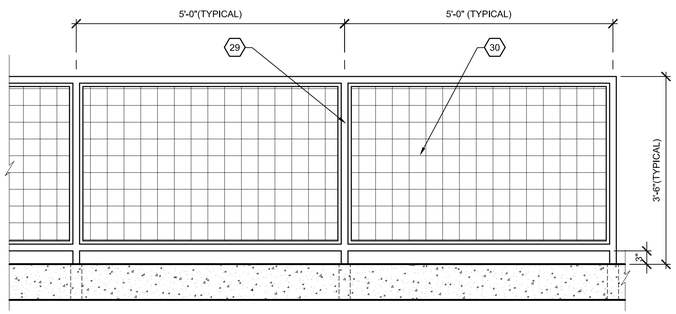
A1 BUS SHELTER SECTION
3" = 1'-0"



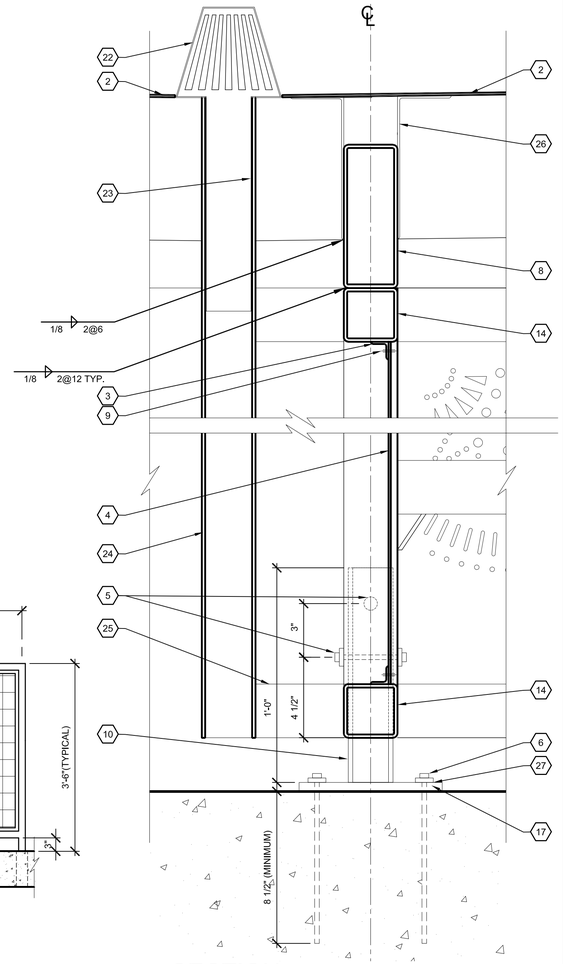
C3 BUS SHELTER SECTION
3" = 1'-0"



B3 FENCE SECTION
3/4" = 1'-0"



A3 FENCE ELEVATION
3/4" = 1'-0"



A5 SECTION
3" = 1'-0"

GENERAL NOTES:

A. ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.

B. EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.

SHEET KEYNOTES:

1. 4"x16"x3/16" TUBE STEEL PERIMETER FRAME, TYPICAL.
2. 16" METAL VALLEY FLASHING SLOPED TO DRAINS.
3. 1"x1"x3/16" STEEL ANGLE.
4. 1'-9"x7'-0", 16 GA. DECORATIVE METAL PANEL.
5. INSTALL 1/2" Ø STEEL THROUGH BOLT WITH NEOPRENE WASHERS.
6. PROVIDE AND INSTALL (4) 5/8" Ø x 12" LONG HILTI HIT-HY200 INJECTION ADHESIVE ANCHORS (USING HILTI HIT-Z RODS) WITH MINIMUM 8 1/2" EMBEDMENT.
7. 3"x8"x3/16" STEEL ANGLE.
8. 3"x8"x3/16" TUBE STEEL FRAME.
9. 1/4" THREADED ROD FASTENER W/ TAMPERPROOF NUT W/ NEOPRENE WASHERS ON BOTH SIDES, (TYPICAL)
10. INSTALL ADJUSTABLE FOOT (F1): 2 1/2 x 2 1/2 x 1/4" STEEL FOOT, SLEEVED INTO SHELTER FRAME. ADJUST HEIGHT TO LEVEL SHELTER AND BOLT INTO PLACE IN FIELD. BOLT HOLES IN FOOT TO BE DRILLED DURING INSTALLATION FOR THROUGH BOLT CONNECTION TO SHELTER FRAME.
11. ROOF CANOPY COMPONENT. CONNECT TO WALL COMPONENTS AS REQUIRED.
12. INSTALL METAL FLASHING, ATTACH WITH #12 SELF TAPPING SCREWS WITH NEOPRENE WASHERS 6" O.C.
13. 2"x2"x3/16" STEEL ANGLE WELDED TO FRAME. SLOPE PER ROOF PLAN.
14. 3"x3"x3/16" TUBE STEEL FRAME.
15. PULL WIRES IN TUBE STEEL FRAME FOR FUTURE ELECTRICAL, TYP.
16. I" HOLE w/ REMOVABLE PLUG FOR ELECTRICAL. (TYPICAL) (SEE SHEET A-105)
17. 1/2"x8"x8" STEEL PLATE WITH (4) 3/4" Ø HOLES.
18. INSTALL AND CONNECT BENCH FOOT TO CONCRETE SLAB WITH (4) 5/8" Ø 12" LONG HILTI HIT-HY200 INJECTION ADHESIVE ANCHORS (USING HILTI HIT-Z RODS) WITH MINIMUM 8 1/2" EMBEDMENT.
19. BENCH COMPONENT B1: 3"x3"x3/16" TUBE STEEL FRAME.
20. 11 GA. SQUARE STEEL MESH PANEL.
21. 11 GA. SQUARE STEEL MESH PANEL WITH THERMOPLASTIC COATING.
22. INSTALL ROOF DRAIN. CONNECT TO LEADER AS REQUIRED. (TYPICAL)
23. ROOF DRAIN LEADER PIPE. SLEEVE INSIDE TUBE STEEL DOWNSPOUT AND CONNECT AS REQUIRED.
24. 3"x3"x3/16" TUBE STEEL DOWNSPOUT.
25. 3"X5"X1/4" DOUBLE PLATE ALREADY WELDED TO TUBE STEEL.
26. 3"x8"x3/16" STEEL BENT PLATE.
27. INSTALL A TACK WELD FROM THE NUT TO THE PLATE. (TYPICAL)
28. AFTER COLUMN HEIGHT IS SET AND BOLTS ARE INSTALLED, WELD THE COLUMN TO THE STEEL FOOT WITH A 1/8" FILLET WELD ALL AROUND. (SEE B4/A-501)
29. 1 1/2" DIAMETER PIPE GUARDRAIL, PAINT. EPOXY POSTS INTO 8" SLEEVE EMBEDDED INTO CONCRETE THICKENED SLAB.
30. 6 GA. WELDED WIRE CLOTH, 4" SQUARE. (McNICHOLS OR EQUAL)

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
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APPROVED BY:	STAFF

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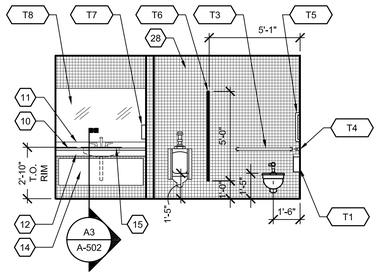
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BUS SHELTER SECTIONS

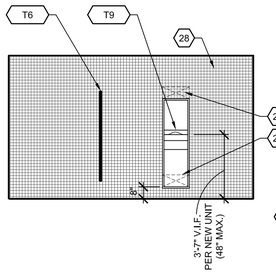
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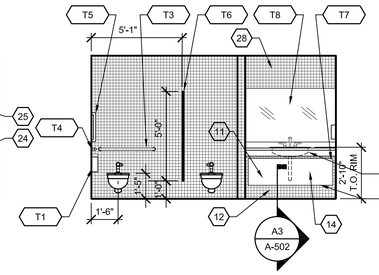
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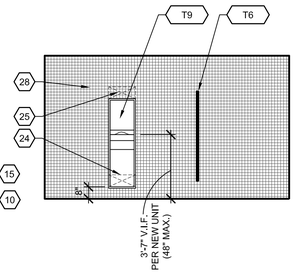
D1 MEN'S RR ELEV.
1/4" = 1'-0"



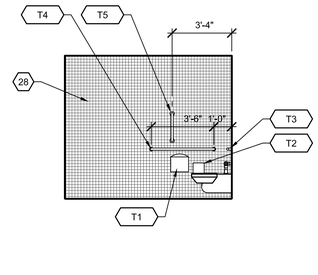
D2 MEN'S RR ELEV.
1/4" = 1'-0"



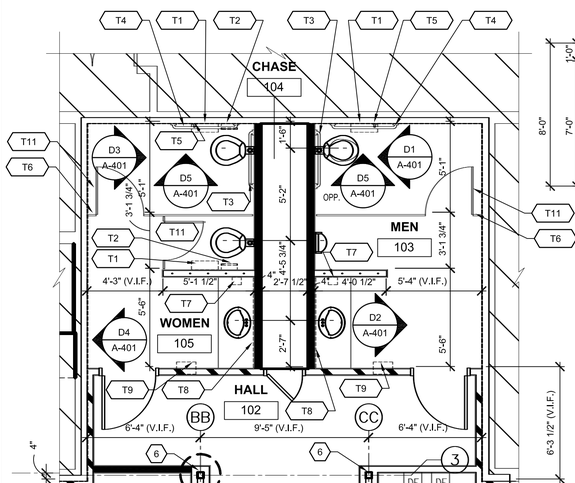
D3 WOMEN'S RR ELEV.
1/4" = 1'-0"



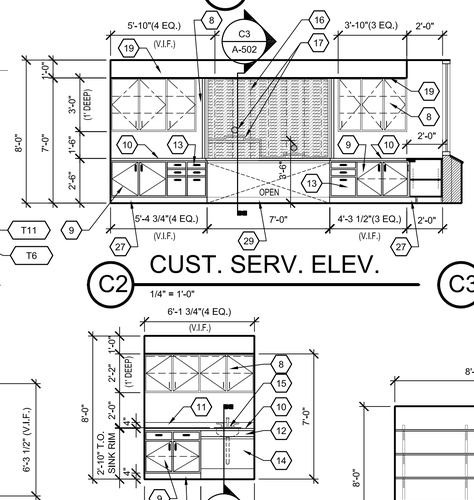
D4 WOMEN'S RR ELEV.
1/4" = 1'-0"



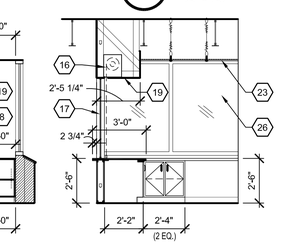
D5 WOMEN'S RR ELEV.
1/4" = 1'-0"
MEN'S RESTROOM (OPPOSITE)



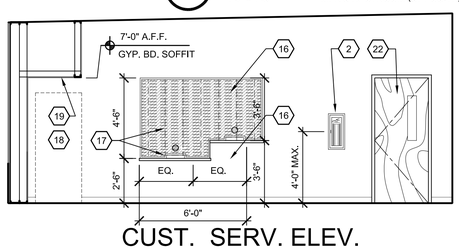
B1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



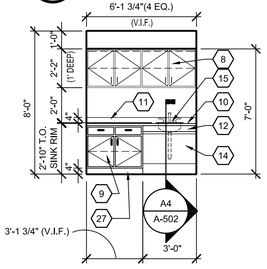
C2 CUST. SERV. ELEV.
1/4" = 1'-0"



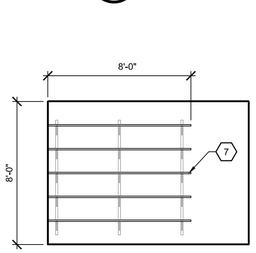
C3 CUST. SERV. ELEV.
1/4" = 1'-0"



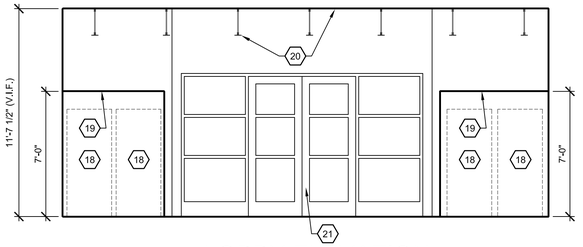
C4 CUST. SERV. ELEV. ON LOBBY SIDE
1/4" = 1'-0"



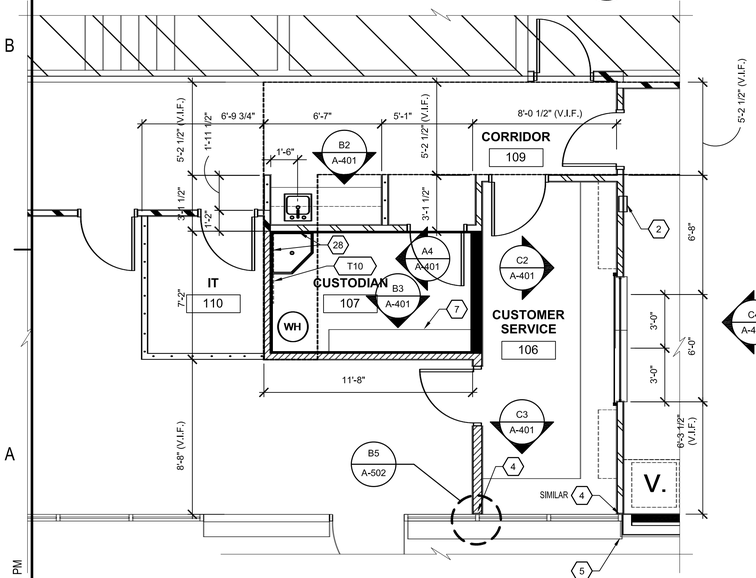
B2 COFFEE BAR ELEV.
1/4" = 1'-0"



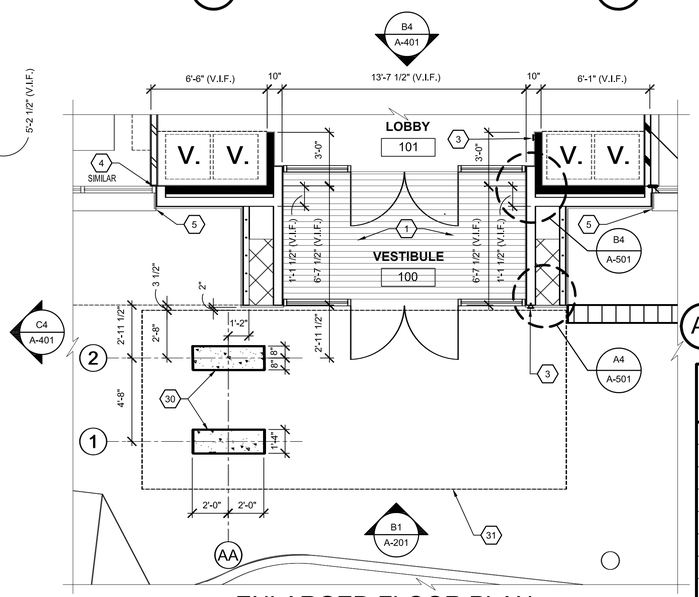
B3 SHELVING ELEV.
1/4" = 1'-0"



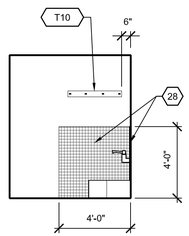
B4 LOBBY ELEVATION
1/4" = 1'-0"



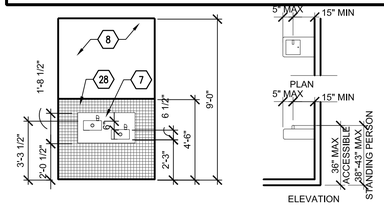
A1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



A2 ENLARGED FLOOR PLAN
1/4" = 1'-0"



A4 MOP SINK ELEVATION
1/4" = 1'-0"



A5 DRINKING FOUNTAIN ELEVATION
1/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE (SEE TOILET ACCESSORIES SPECIFICATIONS)

TX

MARK	ITEM / DESCRIPTION	MOUNTING HEIGHT
T1	TOILET PAPER DISPENSER	1'-6" A.F.F. TO BOTT. & 1 1/2" MIN. FROM TOP TO BOTT. OF GRAB BAR
T2	SANITARY NAPKIN DISPOSAL	14" A.F.F. TO BOTTOM OF CABINET
T3	36" GRAB BAR	34" A.F.F. TO TOP
T4	42" GRAB BAR	34" A.F.F. TO TOP
T5	18" VERTICAL GRAB BAR	40" A.F.F. TO BOTTOM OF BAR, 40" FROM BACK WALL TO CENTER OF BAR
T6	TOILET PARTITION	AS SPECIFIED "SELF CLOSING DOOR MECHANISMS WITH DOOR PULLS ON BOTH SIDES."
T7	SOAP DISPENSER	40" A.F.F. BOTT. OF DISPENSER
T8	MIRROR	40" A.F.F. TO BOTTOM
T9	ELECTRIC HAND DRYER	40" A.F.F. TO SENSOR
T10	MOP & BROOM HOLDER (4 HOLDERS)	72" A.F.F.
T11	COAT HOOK AND STAINLESS STEEL DOOR HARDWARE PER MANUF.	

GENERAL NOTES:

A. ALL STRUCTURAL MISCELLANEOUS WOOD BUILDING MATERIALS ON THIS PROJECT MUST BE FIRE RETARDANT TREATED WOOD IN COMPLIANCE WITH IBC 603.1
B. DIMENSIONS ARE TO FACE OF STUD OR COLUMN GRID OR FACE OF CMU.
C. SEE SHEET A-601 FOR PARTITION SCHEDULE.
D. SEE SHEETS A-602 FOR DOOR AND WINDOW TYPES, AND DOOR AND FINISH SCHEDULES.
E. SEE THIS SHEET FOR ENLARGED PLANS AND INTERIOR ELEVATIONS.

SHEET KEYNOTES:

1. NEW WALK-OFF MAT OVER EXISTING CONCRETE SLAB (SEE SPECIFICATIONS)
2. NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET AND EXTINGUISHER. (SEE SPECIFICATIONS) MOUNT CABINET 4'-0" MAX. FROM FINISH FLOOR TO CENTER OF CABINET DOOR HANDLE.
3. WALL SWITCH LOCATION FOR HANDICAP DOOR OPERATOR. (SEE ELECTRICAL DRAWINGS). USE LARGE CIRCLE DECAL FOR AUTOMATIC DOOR OPENER.
4. CENTER METAL STUD ON EXISTING WINDOW MULLION. (SEE DETAIL B5/A-502)
5. ALIGN FACE OF STUCCO FINISH WITH FACE OF EXISTING VERTICAL SPLIT FACE CMU WALL BELOW SLOPING SILL. NOTE: SLOPING SILL EXTENDS OUT FROM FACE OF CMU WALL APPROXIMATELY 1".
6. NEW STEEL COLUMNS. (SEE STRUCTURAL DRAWINGS & D3/A-502)
7. ADJUSTABLE UTILITY SHELVING (5 HIGH) WITH MELAMINE SURFACE. MOUNT WITH 60" WALL STANDARD AND ADJUSTABLE SUPPORTS.
8. PLASTIC LAMINATE UPPER CABINETS WITH MELAMINE INTERIOR AND TWO ADJUSTABLE SHELVES. (ALL DOORS TO HAVE LOCKS)
9. PLASTIC LAMINATE LOWER CABINETS WITH MELAMINE INTERIOR AND ONE ADJUSTABLE SHELF. (ALL DOORS TO HAVE LOCKS)
10. PLASTIC LAMINATE COUNTER TOP AND NOSING.
11. PLASTIC LAMINATE 4" HIGH BACKSPLASH.
12. PLASTIC LAMINATE FACE PANEL.
13. PLASTIC LAMINATE DRAWER PANEL WITH MELAMINE INTERIOR. (ALL DRAWERS TO HAVE LOCKS.
14. PLASTIC LAMINATE ANGLED PANEL.
15. SINK. (SEE PLUMBING DRAWINGS)
16. DASHED LINES REPRESENT ALUMINUM ROLL-UP DOOR. (SEE SPECIFICATIONS)
17. NEW GLAZING WITH OPENINGS FOR TRANSACTION AND VERBAL COMMUNICATION.
18. VENDING MACHINE. (BY OWNER)
19. GYPSUM BOARD SOFFIT.
20. EXPOSED EXISTING METAL DECK AND JOISTS, (PAINT ALL EXPOSED STRUCTURE, CONDUITS, PIPING, ETC. - COLOR BY ARCHITECT)
21. ALUMINUM DOORS/SIDELITE STOREFRONT ASSEMBLY. (SEE DOOR SCHEDULE)
22. DOOR. (SEE DOOR SCHEDULE)
23. CEILING. (SEE REFLECTED CEILING PLAN)
24. REMOVE EXISTING SEMI-RECESSED METAL PAPER TOWEL DISPENSER / TRASH BIN. AT THE BOTTOM OF THE OPENING SAWCUT EXISTING BLOCK AND REMOVE ONE COURSE DOWN AS REQUIRED TO PROVIDE NEW OPENING IN WALL FOR NEW SEMI-RECESSED METAL PAPER TOWEL DISPENSER / TRASH BIN COMBO UNIT. (SEE SPECIFICATIONS) (EXISTING PAPER TOWEL DISPENSER HEIGHT DOES NOT MEET ADA)
25. AFTER REMOVAL OF THE EXISTING SEMI-RECESSED METAL PAPER TOWEL DISPENSER / TRASH BIN COMBO UNIT INFILL TOP AREA WITH NEW FRAMING AS REQUIRED WITH CEMENT BACKER BOARD AND NEW WALL TILE.
26. EXISTING WINDOW BEYOND.
27. 4" KICK WITH VINYL BASE.
28. 2"X2" CERAMIC TILE. (SEE SPECIFICATIONS)
29. 4" VINYL BASE. (SEE SPECIFICATIONS)
30. CAST-IN-PLACE CONCRETE COLUMN WITH INTEGRAL COLOR. (SEE SHEETS A-202 AND S-302)
31. TRANSLUCENT PANEL AND STEEL STRUCTURE ENTRY CANOPY. (SEE SHEET A-202, S-302, AND SPECIFICATIONS)

PARTITION LEGEND (SEE SHEET A-601 FOR PARTITION SCHEDULE)

- 1 HOUR: 4" METAL STUD PARTITION WITH SINGLE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE WITH SOUND BATT INSULATION (EXTEND TO BOTTOM OF METAL DECK)
- 1 HOUR: 4" METAL STUD PARTITION WITH SINGLE LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE (EXTEND TO BOTTOM OF METAL DECK)
- DEMISING: 4" OR 6" STUD PARTITION (EXTEND TO BOTTOM OF METAL DECK)
- SOUND: 4" OR 6" METAL STUD PARTITION WITH SOUND BATT INSULATION (EXTEND UP TO BOTTOM OF DECK)
- 4" METAL STUD PARTITION (INSTALL STUDS TO 6" ABOVE ADJACENT CEILING OR SOFFIT)
- 6" METAL STUD PARTITION WITH R-19 BATT INSULATION (EXTEND STUD WALL AND INSULATION TO BOTTOM OF METAL DECK)
- 12" WIDE (UNLESS OTHERWISE NOTED) CAST-IN-PLACE CONCRETE RETAINING WALL
- CAST-IN-PLACE CONCRETE COLUMN
- EXISTING CMU COLUMN

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

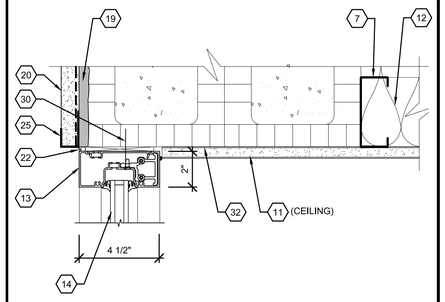
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BUILDING ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

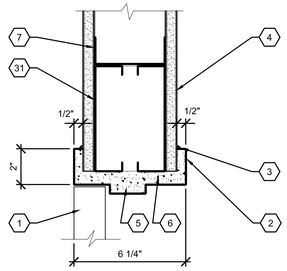
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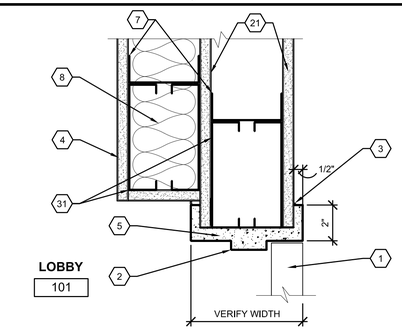
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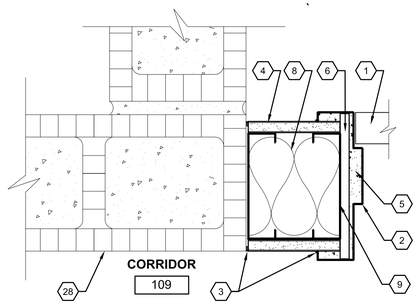
D1 WINDOW HEAD DETAIL
SCALE: 3" = 1'-0" (ALUMINUM)



D2 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (4" STUD WALL)



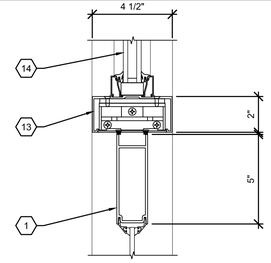
D3 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (4" NEW STUD WALL ADJACENT TO EXISTING STUD WALL)



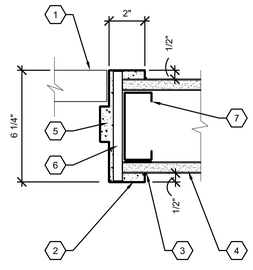
D4 DOOR JAMB DETAIL
SCALE: 3" = 1'-0" (6" STUD WALL)

SHEET KEYNOTES

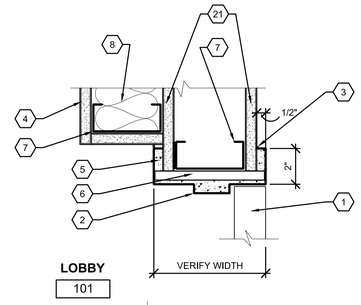
1. DOOR, SEE SCHEDULE.
2. 16 GAUGE HOLLOW METAL (HM) FRAME.
3. SEALANT, BOTH SIDES. (TYPICAL)
4. 5/8" TYPE "X" GYPSUM BOARD, BOTH SIDES. (TYPICAL)
5. GROUT FRAME SOLID.
6. FRAME ANCHOR. (3 PER JAMB)
7. 4" METAL STUD FRAMING @ 2'-0" O.C.
8. SOUND BATT INSULATION.
9. 6" METAL STUD FRAMING @ 2'-0" O.C.
10. EXISTING SPLIT FACE BLOCK COLUMN TO REMAIN.
11. 5/8" TYPE "X" GYPSUM BOARD, ONE SIDE ONLY.
12. R-19 BATT INSULATION.
13. ALUMINUM FRAME.
14. 1" INSULATED GLAZING.
15. TOP OF FINISH SLAB. (SEE ENLARGED PLANS FOR FINISH)
16. THRESHOLD SET IN SEALANT BED AND ANCHORED TO SLAB WITH EPOXY SET ANCHOR.
17. 1/2" RECESSED WALK-OFF MAT. (SEE SPECIFICTIONS)
18. EXPANSION JOINT. (SEE STRUCTURAL DRAWINGS)
19. 1/2" CDX FIRE RETARDANT TREATED PLYWOOD.
20. 1" STUCCO ON METAL LATH.
21. EXISTING GYPSUM BOARD. CUT BACK AS REQUIRED FOR NEW DOOR FRAME.
22. SEALANT OVER BACKER ROD, BOTH SIDES. (TYPICAL)
23. SHIM.
24. ADA DOOR OPENER SWITCH. (SEE ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECIFICATIONS)
25. STUCCO STOP.
26. ALUMINUM SILL ASSEMBLY (SEE SPECIFICATIONS)
27. ANCHOR TO SLAB AS REQUIRED.
28. EXISTING EXPOSED BLOCK WALL.
29. EXTERIOR CONCRETE SLAB. (SEE CIVIL DRAWINGS)
30. ANCHOR TO EXISTING BLOCK HEADER OR 6" METAL STUD HEADER.
31. 6" METAL STUD HEADER.
32. ADHERE GYPSUM BOARD TO EXISTING BLOCK HEADER.



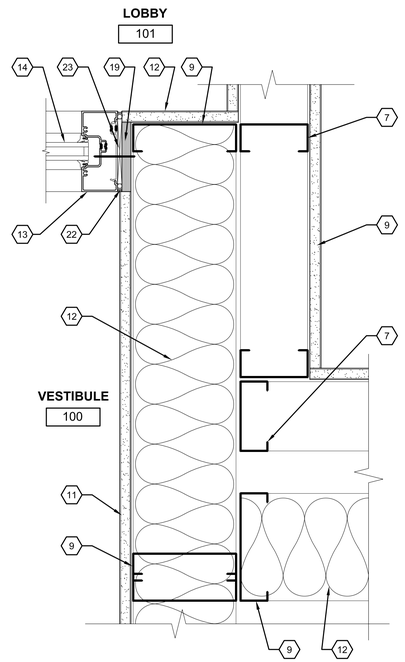
C1 DOOR HEAD DETAIL
SCALE: 3" = 1'-0"

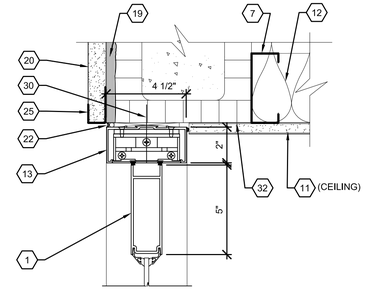


C2 DOOR JAMB DETAIL
SCALE: 3" = 1'-0" (4" STUD WALL)

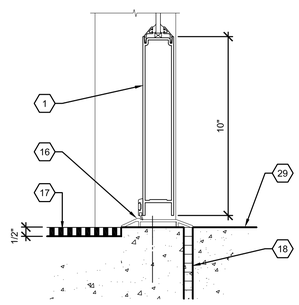


C3 DOOR JAMB DETAIL
SCALE: 3" = 1'-0" (4" NEW STUD WALL ADJACENT TO EXISTING STUD WALL)

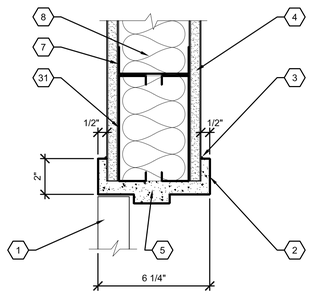




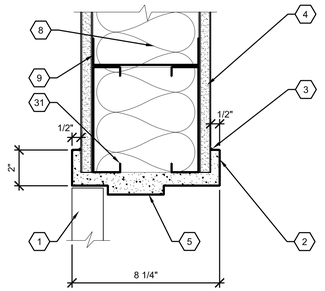
C5 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (ALUMINUM)



B1 THRESHOLD DETAIL
SCALE: 3" = 1'-0"

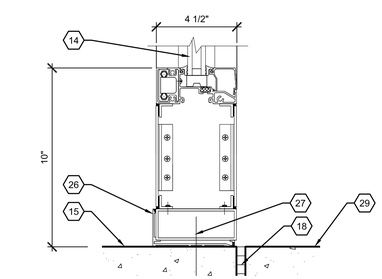


B2 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (4" STUD WALL)

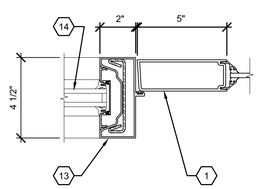


B3 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (6" STUD WALL)

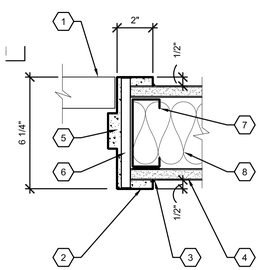
B4 WINDOW JAMB AT STOREFRONT DETAIL
SCALE: 3" = 1' - 0" (ALUMINUM)



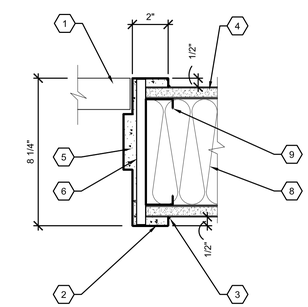
B5 ALUM. STOREFRONT WINDOW SILL DETAIL
SCALE: 3" = 1'-0" (ALUMINUM)



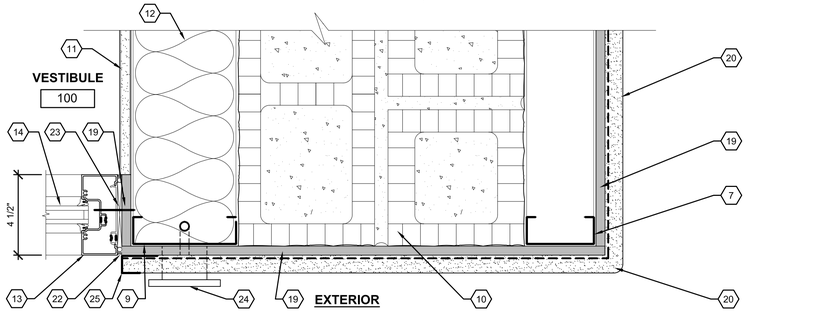
A1 DOOR JAMB AT STOREFRONT DETAIL
SCALE: 3" = 1' - 0" (ALUMINUM)



A2 DOOR JAMB DETAIL
SCALE: 3" = 1' - 0" (4" STUD WALL)



A3 DOOR JAMB DETAIL
SCALE: 3" = 1' - 0" (6" STUD WALL)



A4 WINDOW JAMB AT STOREFRONT DETAIL
SCALE: 3" = 1' - 0" (ALUMINUM)

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APPROVED BY:	STAFF

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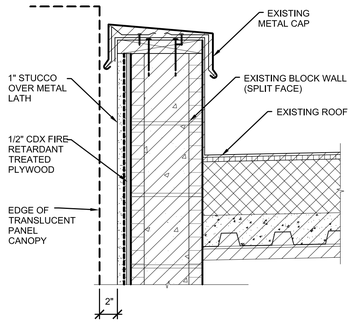
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BUILDING DETAILS

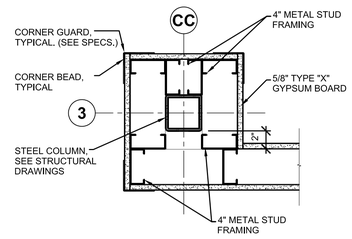
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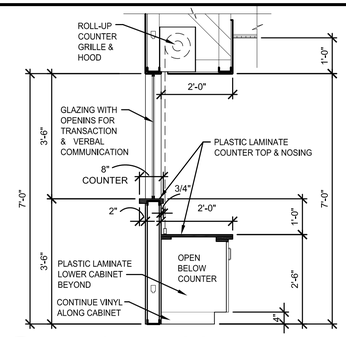
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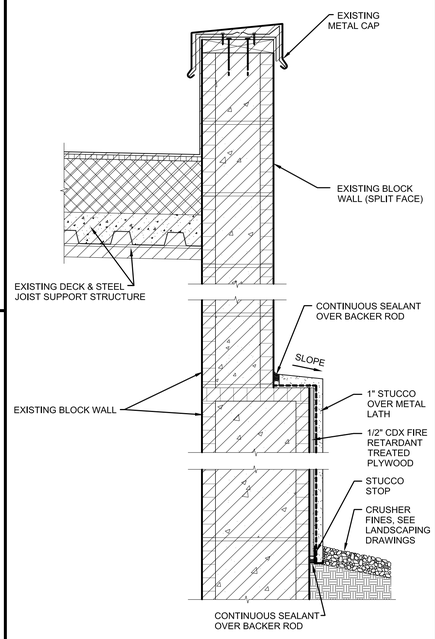
C2 PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



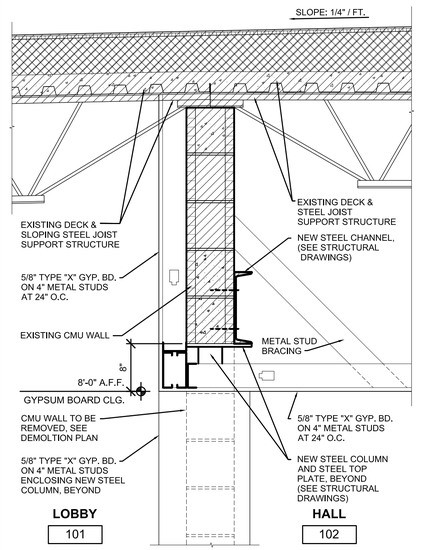
D3 COLUMN ENCLOSURE
SCALE: 1 1/2" = 1'-0"



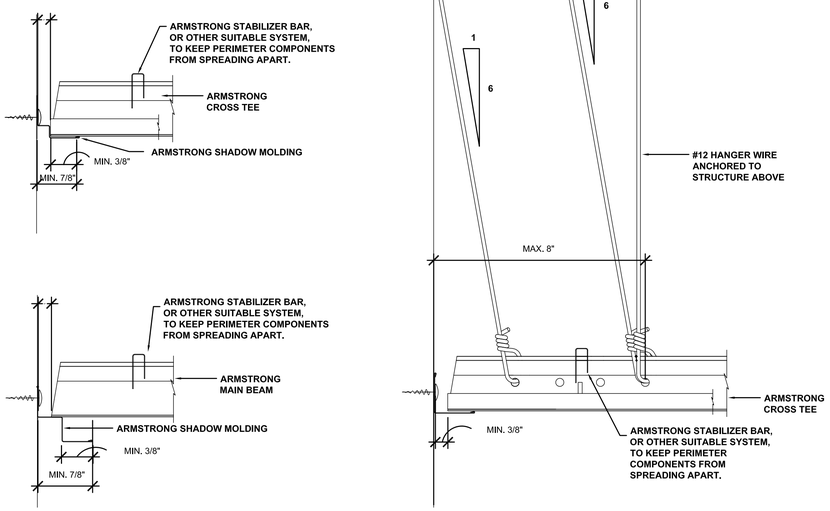
C3 RECEPT. COUNTER DTL.
SCALE: 1/2" = 1'-0"



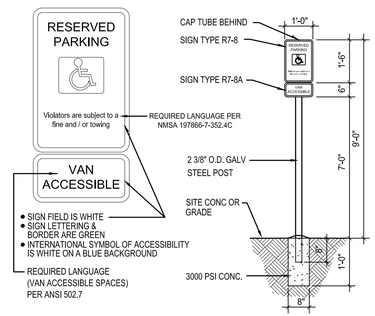
C4 STUCCO WALL
SCALE: 1 1/2" = 1'-0"



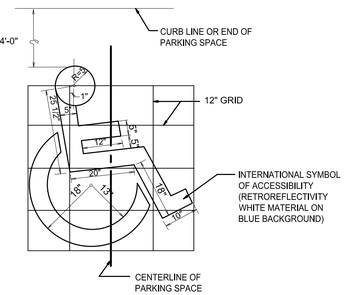
C5 HEADER SUPPORT SECTION
SCALE: 1" = 1'-0"



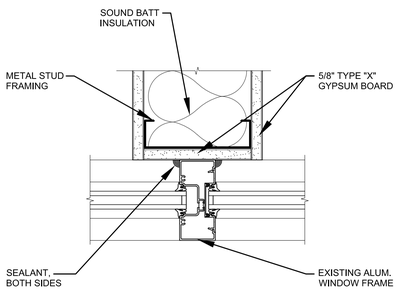
A1 SEISMIC DETAILS FOR IBC CATEGORY CDEF
NO SCALE
(ARMSTRONG WORLD INDUSTRIES OR EQUAL)



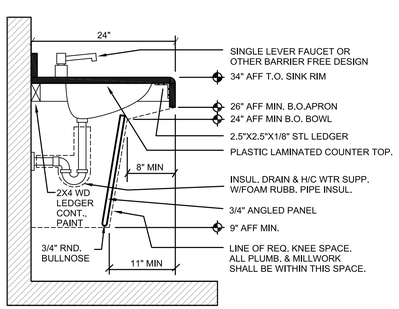
B3 ADA PARKING SIGN
NO SCALE



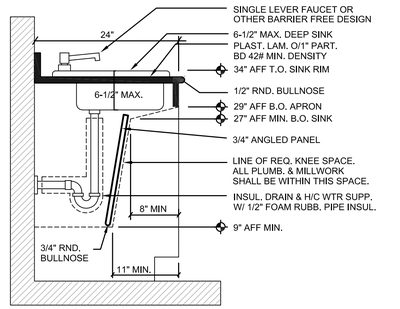
B4 ADA PARKING SYMBOL
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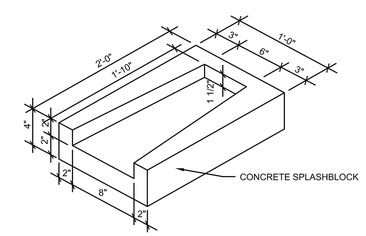
B5 WINDOW MULLION DETAIL
SCALE: 3" = 1'-0"



A3 SINK @ RESTROOM LAV.
NO SCALE



A4 SINK @ COFFEE BAR
NO SCALE



A5 SPLASH BLOCK DETAIL
NO SCALE

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STATE OF NEW MEXICO
JOHN J. ROMERO
No. 16581
REGISTERED ARCHITECT
4/14/20

SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

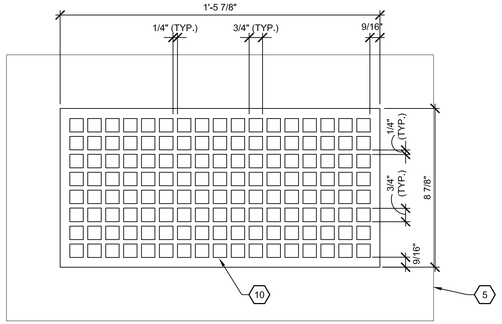
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BUILDING DETAILS

A-502

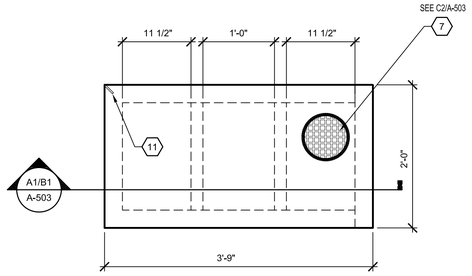
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D1 BENCH SIDE PANEL DETAIL

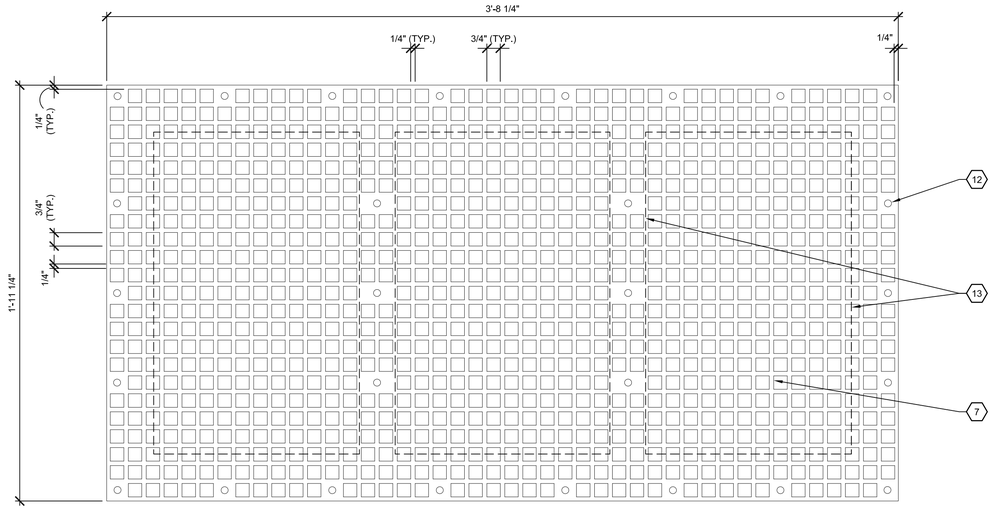
3" = 1'-0"



C1 BENCH B1 PLAN B1

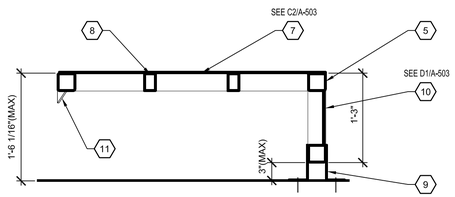
1" = 1'-0"

(BENCH B2 PLAN SIMILAR)



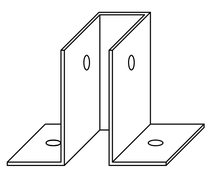
C2 STEEL MESH BENCHTOP AND BOLT DETAIL

3" = 1'-0"



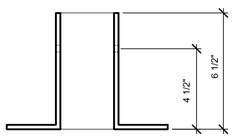
B1 BENCH B2 SECTION B2

1" = 1'-0"



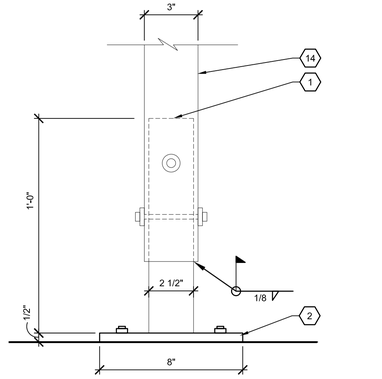
B2 BENCH FOOT DETAIL

3" = 1'-0"



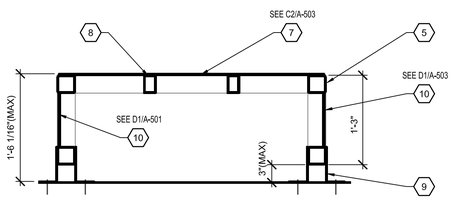
B3 BENCH FOOT DETAIL

3" = 1'-0"



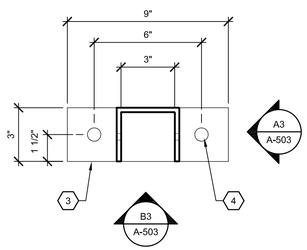
B4 ADJUSTABLE FOOT ELEVATION P1

3" = 1'-0"



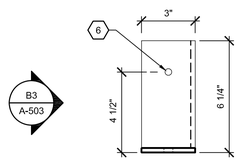
A1 BENCH B1 SECTION B1

1" = 1'-0"



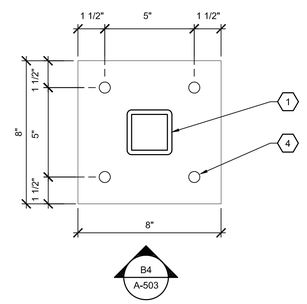
A2 BENCH FOOT DETAIL

3" = 1'-0"



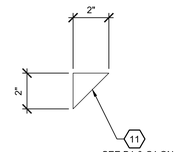
A3 BENCH FOOT DETAIL

3" = 1'-0"



A4 ADJUSTABLE FOOT BASE PLATE P1

1" = 1'-0"



A5 BRACKET DETAIL

3" = 1'-0"

GENERAL NOTES:

A. **ALL BUS SHELTER COMPONENTS SHOWN ON THIS SHEET HAVE BEEN FABRICATED AND ARE STORED AT THE CITY OF SANTA FE TRANSIT FACILITY. CONTRACTOR SHALL PROVIDE FINAL ASSEMBLY OF COMPONENTS AND INSTALL AT LOCATIONS SHOWN ON DRAWINGS. SOME MINOR ADJUSTMENTS MAY BE REQUIRED TO COMPLETE FINAL ASSEMBLY.**

B. **EPOXY MATERIAL AND ANCHOR BOLTS FOR CONNECTION TO CONCRETE SLAB PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.**

SHEET KEYNOTES:

1. 2 1/2"x2 1/2"x3/16" TUBE STEEL FOOT COMPONENT TO BE INSTALLED BY GENERAL CONTRACTOR.
2. 1/2"x8"x8" STEEL PLATE WITH (4) 3/4" Ø HOLES. INSTALL PLATE LEVEL.
3. 1/4" METAL BRACKET.
4. 3/4" Ø HOLE. (TYPICAL)
5. 3"x3"x3/16" TUBE STEEL FRAME.
6. 3/8" Ø HOLE. (TYPICAL)
7. 11GA SQUARE STEEL MESH PANEL WITH THERMOPLASTIC COATING, COLOR BLACK, BOLTED TO FRAME.
8. 2x3x3/16" TUBE STEEL FRAME.
9. BENCH FOOT. (SEE A2/A-501)
10. 11GA SQUARE STEEL MESH PANEL ALREADY WELDED TO FRAME. (TYPICAL)
11. 2x2x1/4" THICK STEEL BRACKET WELDED TO FRAME + BENCH. (TYPICAL)
12. #12 TAMPERPROOF SELF TAPPING SCREWS W/ NEOPRENE WASHERS.
13. TUBE STEEL FRAME BELOW.
14. 3"x3"x3/16" TUBE STEEL COLUMN. (SEE SECTION A1/A-301)

LEGEND

B1. BENCH COMPONENT (SEE A1 & C1/A-503)
B2. BENCH COMPONENT (SEE B1 & C1/A-503)
P1. ADJUSTABLE FOOT BASE PLATE (SEE A4/A-503)

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CITY OF SANTA FE

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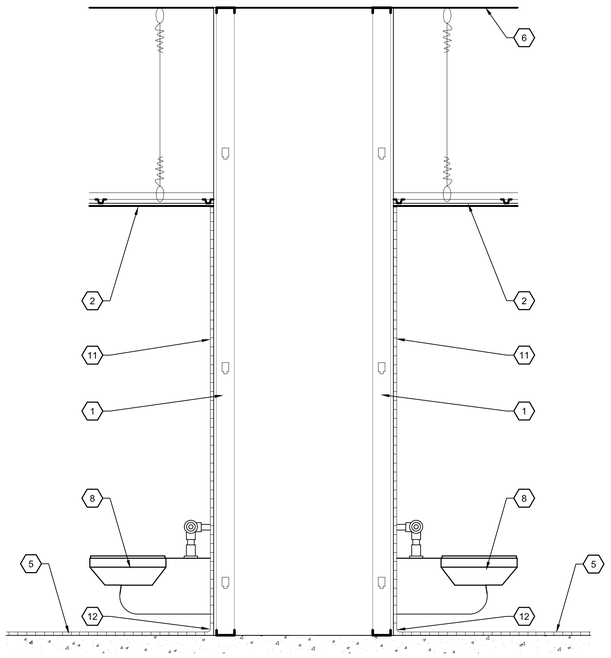
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BUS SHELTERS COMPONENT DETAILS

A-503

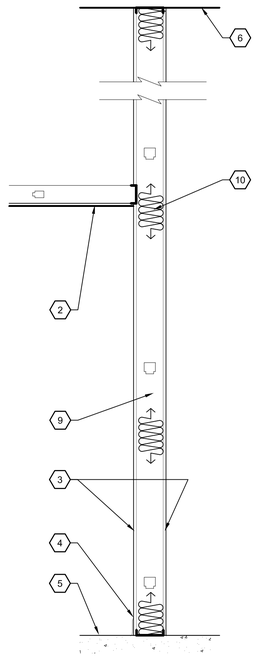
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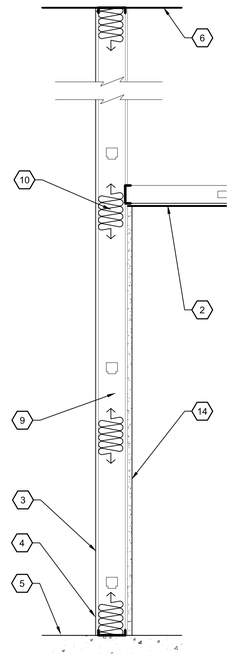
C1 PLUMBING CHASE PARTITIONS

SCALE: 3/4" = 1'-0"



C3 PARTITION

SCALE: 3/4" = 1'-0"

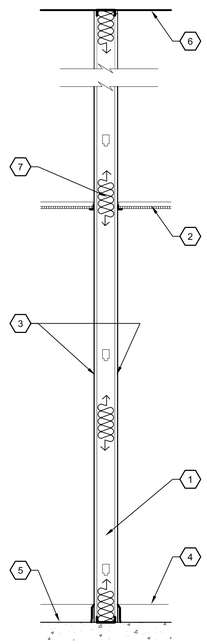


C4 PARTITION

SCALE: 3/4" = 1'-0"

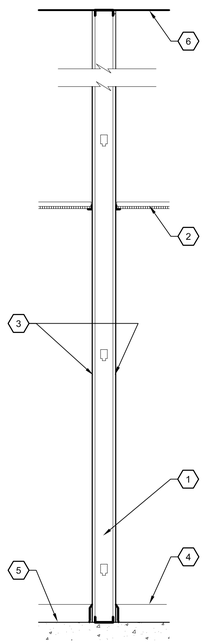
SHEET KEYNOTES

1. 4" METAL STUDS @ 24" O.C.
2. CEILING TYPE & HEIGHT VARIES. SEE FINISH SCHEDULE ON SHEET A-602.
3. 5/8" TYPE 'X' GYPSUM BOARD.
4. BASE, SEE FINISH SCHEDULE.
5. SEE FINISH SCHEDULE FOR FLOOR FINISH.
6. BOTTOM OF METAL DECK.
7. SOUND BATT INSULATION TO BOTTOM OF METAL DECK.
8. PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
9. 6" METAL STUDS @ 16" O.C.
10. BATT INSULATION. (R-19)
11. CERAMIC TILE OVER 5/8" CEMENT BACKER BOARD.
12. CERAMIC TILE COVE BASE.
13. 4" (25 GA.) METAL BRACING @ 48" O.C.
14. 1" STUCCO OVER 1/2" CDX FIRE RETARDANT TREATED PLYWOOD.



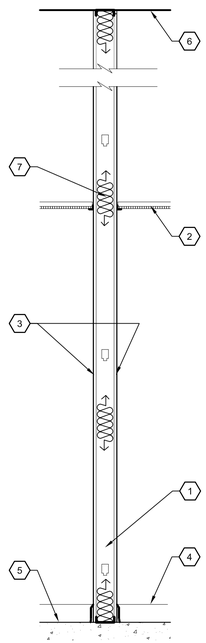
A1 1 HOUR (SOUND) PARTITION

SCALE: 3/4" = 1'-0" (SINGLE LAYER GYP. BD. ON BOTH SIDES - STC45)



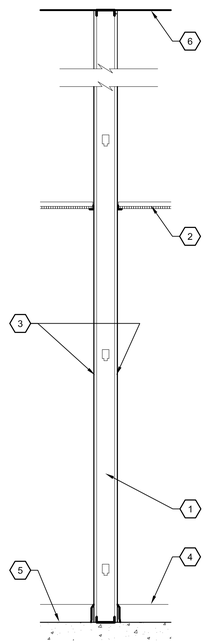
A2 1 HOUR PARTITION

SCALE: 3/4" = 1'-0"



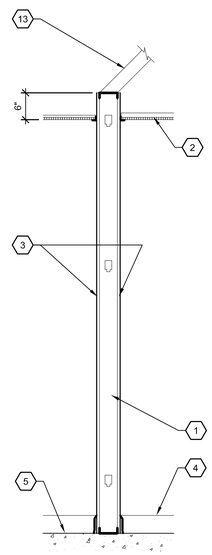
A3 SOUND PARTITION

SCALE: 3/4" = 1'-0" (SINGLE LAYER GYP. BD. ON BOTH SIDES - STC45)



A4 DEMISING PARTITION

SCALE: 3/4" = 1'-0"



A5 PARTITION

SCALE: 3/4" = 1'-0"

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4/14/20

SOUTHSIDE TRANSIT CENTER

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SANTA FE TRAILS

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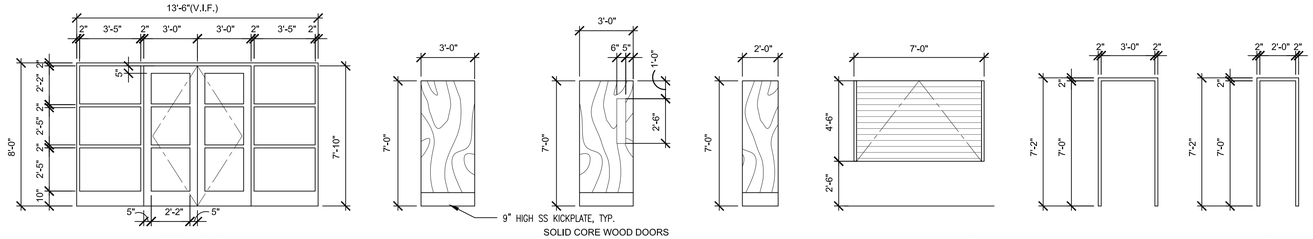
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BUILDING PARTITION SCHEDULE

A-601

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D1 DOOR & FRAME TYPES

1/4" = 1'-0"

GENERAL SHEET NOTES

A. CONTRACTOR TO PROVIDE 4' x 8' IN FIELD MOCKUP OF EACH PAINT COLOR FOR APPROVAL PRIOR TO PURCHASE OF PAINT.
B. MANUFACTURER SUBSTITUTIONS MAY BE MADE WITH PRIOR APPROVAL.
C. COLORS TO BE SELECTED BY ARCHITECT.
D. CONCRETE COLUMNS AT MAIN ENTRY CANOPY: SEE SPEC. SECTION 09 90 00 FOR CONCRETE WALL FINISH.
E. CONCRETE RETAINING WALLS: SEE SPEC. SECTION 09 90 00 FOR CONCRETE WALL FINISH.

DOOR SCHEDULE

(SEE SHEET A-602 FOR DOOR AND FRAME ELEVATIONS)

DOOR MARK	SIZE W	SIZE HT	SIZE THK	MATL.	EL ◇ –	GLZ	FRAME MATL.	FRAME EL ◇ --	FRAME GLZ	DETAIL JAMB	DETAIL SILL	DETAIL HEAD	FIRE RATING	HARDWARE SET NO	NOTES
100A	3'-0"	7'-10" PAIR	1-3/4"	ALUM/GLZ	1	SEE NOTES	ALUM/GLZ	1	SEE NOTES	A1, A4, B1, C1, D1, AND B5 / A - 501	B5 / A - 501	B5 / A - 501		01	1" INSUL. TEMPERED GLAZING (GREEN TINT EXTERIOR LITE) PROVIDE ADA DOOR OPERATOR FOR THIS DOOR ASSEMBLY.
100B	3'-0"	7'-10" PAIR	1-3/4"	ALUM/GLZ	1	SEE NOTES	ALUM/GLZ	1	SEE NOTES	A1, B1, B4, C1, D1, AND B5 / A - 501 (SIMILAR)	B5 / A - 501	B5 / A - 501		02	1" INSUL. TEMPERED GLAZING (GREEN TINT EXTERIOR LITE)
101A	3'-0"	7'-0"	1-3/4"	WOOD	2	-	HM	A	SEE NOTES	C2 / A - 501	-	D2 / A - 501	20 MINUTE	03	9" HIGH STAINLESS STEEL KICK PLATE
101B	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	C3 / A - 501	-	D3 / A - 501	20 MINUTE	04	G.C. TO VERIFY EXISTING WALL THICKNESS FOR CORRECT HOLLOW METAL FRAME WIDTH AT JAMB AND HEADER.
103	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	A2 / A - 501	-	B2 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
104	2'-0"	7'-0"	1-3/4"	WOOD	4	-	HM	B	-	A2 / A - 501	-	B2 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
105	9'-4"	4'-6"	1-3/4"	WOOD	3	-	HM	A	-	A2 / A - 501	-	B2 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
106A	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	C2 AND D2 / A - 501	-	-	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
106B	6'-0"	4'-6"	-	ALUM.	5	-	ALUM.	5	-	-	-	-	20 MINUTE	_	-
107	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	C2 / A - 501	-	D2 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
108A	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	A2 / A - 501 (SIMILAR)	-	B2 / A - 501 (SIMILAR)	20 MINUTE	_	NOTE: THE WALL AT THIS DOORWAY HAS 3 5/8" METAL STUDS. TOTAL WIDTH INCLUDING 5/8" GYP. BD. ON EACH SIDE OF 3 5/8" STUDS EQUALS 4 7/8".
108B	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	A3 / A - 501	-	B3 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
109A	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	A3 AND D4 / A - 501	-	B3 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE
109B (e)	3'-0"	7'-10"	1-3/4"	ALUM/GLZ	-	SEE NOTES	HM	-	-	-	-	-		_	-
110	3'-0"	7'-0"	1-3/4"	WOOD	3	-	HM	A	-	A2 / A - 501	-	B2 / A - 501	20 MINUTE	_	9" HIGH STAINLESS STEEL KICK PLATE

FINISH KEY

KEY	ITEM
F1	WALK-OFF MAT
F2	VINYL COMPOSITION TILE
F3	CERAMIC TILE
F4	SEALED CONCRETE
F5	CARPET TILE
B1	VINYL BASE
B2	CERAMIC COVE BASE
B3	NO BASE
W1	ALUM. / GLAZING
W2	GYP. BD. PAINT.
W3	GYP. BD. PAINT (ACCENT)
W4	CERAMIC TILE
W5	CERAMIC TILE - ACCENT
W6	EXPOSED CMU (PAINT)
W7	STUDS (EXPOSED)
W8	EXISTING EXPOSED CMU (SPLIT FACE) - CLEAN
C1	GYP. BD. CEILING PAINT
C2	GYP. BD. CEILING ACCENT PAINT
C3	EXPOSED STRUCTURE-PAINT
C4	ACOUSTICAL CEILING TILE

F2 POLISHED CONCRETE

ROOM FINISH SCHEDULE

#	ROOM NAME	FLOOR	BASE	WALLS N	WALLS S	WALLS W	WALLS E	CEILING FIN.	CEILING HEIGHT	CASEWK VERT	CASEWK HOR	NOTES	#
100	VESTIBULE	F1	B1	W1	W1	W2	W2	C1	8'-0"	-	-	-	100
101	LOBBY	F2	B1	W2	W1 & W2	W3	W1	C1 & C3	VARIES - SEE RCP	-	-	-	101
102	HALL	F2	B1	W3	W1	W1	W1	C1	8'-0"	-	-	-	102
103	MEN	F3	B2	W4	W4	W5	W4	C1	8'-0"	-	-	-	103
104	CHASE	F4	B3	W6	W6	W7	W7	C3	-	-	-	-	104
105	WOMEN	F3	B2	W4	W4	W4	W5	C1	8'-0"	-	-	-	105
106	CUSTOMER SERVICE	F2	B1	W2	W1	W3	W1	C2 & C4	VARIES - SEE RCP	-	-	-	106
107	CUSTODIAN	F2	B1	W2 & W4	W2	W2 & W4	W2	C1	8'-0"	-	-	-	107
108	OFFICE	F5	B1	W2	W1	W1	W2	C4	8'-0"	-	-	-	108
109	CORRIDOR	F2	B1	W2 & W8	W2	W1	W2	C1	8'-0"	-	-	-	109
110	IT	F2	B1	W2 & W4	W2	W2 & W4	W2	OPEN	-	-	-	-	

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DOOR & FRAME TYPES & DOOR & FINISH SCHEDULES

A-602

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GENERAL HVAC NOTES

A. ALL RECTANGULAR DUCT SIZES SHOWN ARE INSIDE DIMENSIONS. RECTANGULAR DUCTS SHALL BE EXTERNALLY INSULATED. ROUND DUCTS SHALL BE EXTERNALLY INSULATED, UNLESS OTHERWISE NOTED.

B. ALL DUCT SEAMS SHALL BE SEALED AIRTIGHT WITH HIGH PRESSURE DUCT SEALER.

C. PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK AND PIPING REQUIRED FOR PROPER INSTALLATION WHETHER OR NOT SHOWN ON DRAWINGS.

D. ALL DUCTWORK INSTALLED IN AREAS WITH CEILING TO BE ROUTED BETWEEN LIGHTS AS MUCH AS POSSIBLE AND INSTALLED AS HIGH AS POSSIBLE.

E. ALL DUCT PENETRATIONS THRU THE ROOF SHALL BE CURBED, FLASHED AND COUNTER-FLASHED TO ACHIEVE A WATERTIGHT CONSTRUCTION.

F. COORDINATE ROOF PENETRATIONS TO AND FROM EQUIPMENT WITH EXISTING STRUCTURAL CONDITIONS. ROOF OPENINGS SHALL BE LOCATED BETWEEN JOISTS.

G. INSTALL "SPIN-IN" TYPE FITTINGS WITH BALANCING DAMPERS FOR ROUND BRANCH RUN-OUTS TO DIFFUSER IN LAY IN CEILINGS AND "SPIN-IN" TYPE FITTING WITHOUT BALANCING DAMPER TO DIFFUSER IN HARD CEILNGS. BRANCH DUCTS TO DIFFUSERS SHALL BE OF EQUAL SIZE TO NECK DIAMETER.

H. FLEXIBLE ROUND DUCT BRANCHES TO DIFFUSERS SHALL BE PRE-INSULATED AND SHALL NOT EXCEED 5 FT. IN TOTAL LENGTH.

I. THE SPACE ABOVE THE CEILING IS SERVING AS A RETURN AIR PLENUM. ALL AIR BEING SUPPLIED SHALL BE PROVIDED WITH RETURN AIR PATH BACK TO ITS ORIGIN. PROVIDE IN WALLS EXTENDING THRU CEILING AND UP TO STRUCTURE. RETURN AIR OPENINGS EQUAL TO 1 SQ. FT. PER 500 CFM OF AIR BEING RETURNED. UNLESS OTHERWISE NOTED. PROVIDE WITH FIRE DAMPER IN FIRE RATED WALL.

J. COORDINATE THE LOCATIONS OF ALL DUCTWORK WITH ANY PLUMBING LINES AND ELECTRICAL CONDUIT. THE SPACE ABOVE THE CEILING IS LIMITED. IN THE EVENT THAT ANY DUCT CANNOT BE ROUTED AS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL MODIFY THE DUCT AS REQUIRED, MAINTAINING THE SAME NET FREE AREA AS THE DESIGNED DUCT. CONTRACTOR SHALL SUBMITT SHOP DRAWINGS TO THE ARCHITECT SHOWING THE PROPOSED CHANGES FOR APPROVAL. THIS SHALL BE DONE AT NO COST TO THE OWNER.

K. COORDINATE LOCATION OF ALL HVAC EQUIPMENT, GRILLES AND REGISTERS TO BE SYMMETRICAL WITH RESPECT TO LIGHTS AND CEILING GRIDS. SEE REFLECTED CEILING PLAN AND LIGHTING PLAN.

L. ALL 90-DEG. SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE THICK TURNING VANES.

M. ALL THERMOSTATS SHALL BE MOUNTED UP 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. PROVIDE APPROVED, STEEL VENTILATED LOCKING COVERS WITH GUARDS AT ALL THERMOSTATS. UNLESS OTHERWISE DIRECTED.

N. ALL FIRE AND/OR SMOKE DAMPERS SHALL BE INSTALLED IN A U.L. APPROVED MANNER AND SHALL BE U.L. LISTED

O. PROVIDE 10"X10" ACCESS DOORS IN FIXED CEILING FOR ACCESS TO ISOLATION VALVES. ISOLATION VALVES SHALL BE WITHIN 12" MAX. DISTANCE FROM ACCESS DOOR. OTHERWISE, CONTRACTOR SHALL PROVIDE 18"X18" ACCESS DOORS FOR FULL ACCESS ABOVE CEILING. CONTRACTOR TO PROVIDE ACCESS DOORS IN CHASES AND DUCTWORK TO ALL FIRE DAMPERS, BALANCING DAMPERS OR OTHER MECHANICAL DEVICES REQUIRING SERVICE ACCESS.

P. BEFORE CONTRACTOR ORDERS ANY GRILLES, REGISTERS, DIFFUSERS AND ACCESS PANELS HE SHALL VERIFY THE CEILING CONSTRUCTION IN ALL AREAS OF THE PROJECT. IF GRILLES, REGISTERS OR DIFFUSERS SPECIFIED ARE NOT COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION. THE CONTRACTOR SHALL ORDER PROPER TYPE OF GRILLE, REGISTER OR DIFFUSER TO BE COMPATIBLE WITH THE CEILING.

Q. ALL DUCTWORK AND PIPING THAT PENETRATE STC WALLS SHALL BE PROPERLY SUPPORTED AND SEALED AT BOTH SIDES OF WALL TO AVOID VIBRATION NOISE.

GENERAL PLUMBING NOTES

A. ALL PIPING (INCLUDING FIRE PROTECTION) SHALL BE CONCEALED WHERE POSSIBLE. ALL EXPOSED PIPING (INCLUDING ANY FIRE PROTECTION), WHERE CONCEALMENT IS NOT POSSIBLE, SHALL BE INSTALLED AND PAINTED AS DIRECTED BY THE ARCHITECT.

B. ALL PIPING SHALL BE INSULATED, SEE SPECIFICATIONS.

C. ALL BRANCHES SHALL BE VALVED AND ALL VALVES SHALL HAVE UNIONS ADJACENT. ACCESS PANELS AND DOORS SHALL BE FURNISHED TO GENERAL CONTRACTOR FOR INSTALLATION AND ACCESS TO VALVES WHERE REQUIRED. LOCATE ADDITIONAL VALVES AS SHOWN ON DRAWINGS. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS.

D. ALL PIPING SHALL PITCH TO DRAIN, AND CONTRACTOR SHALL PROVIDE VALVING FOR SYSTEM DRAINAGE. CONTRACTOR SHALL DELIVER A MARKED-UP SET OF PLANS TO THE ARCHITECT FOR RECORD DRAWINGS (PRIOR TO FINAL PAYMENT) SHOWING ALL BRANCH VALVES AND ALL DRAINAGE POINTS.

E. CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEET METAL CONTRACTOR. RELOCATION OF PIPING AS A RESULT OF POOR COORDINATION BY THIS CONTRACTOR SHALL BE AT HIS OWN EXPENSE.

F. NO WATER PIPING SHALL BE LOCATED IN OUTSIDE WALLS, UNLESS SHOWN TO BE AND THEN PIPING TO BE INSULATED AND LOCATED AS CLOSE AS POSSIBLE TO INSIDE OF WALL CAVITY WITH ADDITIONAL INSULATION BETWEEN PIPING AND EXTERIOR OF WALL.

G. WRITTEN PRIOR APPROVAL REQUIRED FOR ALL PROPOSED SUBSTITUTIONS OF EQUIPMENT AND MATERIALS, AND/OR CHANGES TO CONTRACT DOCUMENTS RECEIVED BY ENGINEER, 10 DAYS PRIOR TO BID DATE OF PROJECT TO ALLOW ADEQUATE TIME FOR REVIEW AND RESPONSE.

H. ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

I. ALL SEWER PIPING BELOW FLOOR SLAB (BELOW GRADE) SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON.

J. ALL PIPE PENETRATIONS THRU FIRE-RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED WITH CODE-APPROVED FIRE BARRIER MATERIALS.

K. SECURE ALL PIPING TO WALLS FOR A RIGID INSTALLATION WITH UNISTRUT BRACKETS AND GASKETED PIPE CLAMPS.

L. ALL PLUMBING SHEETS: WALL CLEANOUTS INSTALLED BY WATER CLOSETS SHALL BE A MINIMUM OF 10" AWAY FROM FIXTURE FOR ACCESS.

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL VERIFY LOCATION OF ALL PIPING, EQUIPMENT, ETC. SERVED BY EXISTING EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL REMOVE SUCH ITEMS ONLY IF THEY DO NOT SERVE FIXTURES TO REMAIN. ALL PIPING SHALL BE CAPPED IN A CONCEALED LOCATION.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND FINISHING SURFACES (WALLS, FLOORS, CEILINGS) DAMAGED DURING REMOVAL OF EQUIPMENT AND PIPING UNLESS REMOVAL OR RENOVATION OF SURFACE IS COVERED UNDER ANOTHER SECTION OF THIS CONTRACT.

C. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL PLUMBING FIXTURES, PIPING, ETC.

D. REMOVE ANY COLD WATER, HOT WATER, GAS, WASTES OR VENT PIPING (NOT SHOWN) UNCOVERED IN EXISTING PARTITIONS TO BE REMOVED; REMOVE BACK TO ACTIVE LINE AND CAP.

E. PLUG OR SEAL ALL SOIL, WASTE AND VENT OPENINGS AS DIRECTED FOR A SMOOTH FINISH FLOOR.

F. PIPE ROUTING IS APPROXIMATE ONLY; EACH BIDDER SHALL SATISFY HIMSELF AS TO EXISTING BUILDING CONDITIONS BEFORE SUBMITTING HIS BID. NO ALLOWANCE SHALL BE MADE AFTER CONTRACT IS AWARDED TO ALLOW FOR LACK OF PRE-BID INSPECTION OF BUILDING BY SUCCESSFUL BIDDER.

G. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE CONFLICTS AND "DOWN TIME".

H. EXISTING MECHANICAL AND PLUMBING ELEMENTS ARE LOCATED AND IDENTIFIED PER EXISTING PLANS PROVIDED. THE CONTRACTOR IS TO TAKE NOTE THAT EXISTING CONDITIONS MAY BE DIFFERENT THAN SHOWN ON THESE PLANS AND SHALL MAKE PROVISIONS TO ACCOUNT FOR ANY VARIATIONS.

MECHANICAL SPECIFICATIONS

1. PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO PROVIDE A COMPLETE INSTALLATION AS INDICATED ON THE DRAWINGS AND AS NOTED BELOW.

2. COORDINATE ALL WORK PERFORMED UNDER THIS DIVISION WITH WORK OF OTHER TRADES. THIS CONTRACTOR IS RESPONSIBLE FOR ENSURING A WELL COORDINATED EFFORT WITH OTHER TRADES AND A COMPLETE INSTALLATION OF THE SATISFACTION OF THE OWNER.

3. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES AND STANDARDS REQUIRED BY THE LOCAL AUTHORITY AND AS SPECIFIED HEREIN.

4. THIS CONTRACTOR SHALL PROVIDE, PROCURE, AND PAY FOR ALL PERMITS, SERVICES, METERS, LICENSES, FEES, ETC. REQUIRED FOR PERFORMANCE FOR WORK UNDER THIS CONTRACT. UPON COMPLETION OF THE WORK, DELIVER TO THE OWNER ALL CERTIFICATIONS OF APPROVAL SIGNED BY THE CONTROLLING AUTHORITIES.

5. PENETRATIONS REQUIRED FOR PIPING, DUCTWORK, AND EQUIPMENT HAVE BEEN INDICATED ON THE DRAWINGS; ANY ADDITIONAL PENETRATIONS REQUIRED SHALL BE PROVIDED WITH DUE CARE AND CONSIDERATION FOR THE WORK OF OTHER TRADES AND FOR THE APPEARANCE AND INTEGRITY OF THE BUILDING. THE CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING/PENETRATIONS WORK WITH THE ENGINEER. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR WORK THAT IS IN ADDITION TO, OR IS DIFFERENT FROM THE DRAWINGS.

6. ALL SEWER PIPING BELOW FLOOR(BELOW GRADE) SHALL BE STANDARD WEIGHT HUB AND SPIGOT CAST IRON WITH TY-SEAL GASKETS, VENT PIPING SHALL BE STANDARD WEIGHT CAST IRON NO HUB WITH NO HUB PIPE CLAMPS.

7. DOMESTIC WATER PIPING SHALL BE ASTM B88 TYPE L HARD DRAWN COPPER PIPE, ASME B16.22 WROUGHT COPPER FITTINGS, WITH ASTM B32 GRADE 95TA SOLDER JOINTS. ALL PIPING SHALL BE INSULATED ACCORDING TO THE NM ENERGY CODE REQUIREMENTS.

8. NATURAL GAS PIPING SHALL BE ASTM A53 SCHEDULE 40 BLACK STEEL, ASME B16.3 MALLEABLE IRON FITTINGS, NFPA 54 THREADED JOINTS.

9. CONDENSATE DRAIN PIPING SHALL BE ASTM B88 TYPE L HARD DRAWN COPPER PIPE, ASME B16.22 WROUGHT COPPER FITTINGS, WITH ASTM B32 GRADE 95TA SOLDER JOINTS. ALL PIPING SHALL BE INSULATED ACCORDING TO THE NM ENERGY CODE REQUIREMENTS.

10. REFRIGERANT PIPING SHALL BE "ARC" TYPE L HARD DRAWN, SEAMLESS COPPER TUBING, CONFORMING TO ASTM B280, WITH WROUGHT COPPER AND BRONZE SOLDER JOINT PRESSURE FITTINGS CONFORMING TO ANSI B16.22. ALL PIPING SHALL BE INSULATED WITH PREFORMED FLEXIBLE ELASTOMERIC CELLULAR THERMAL INSULATION MEETING ASTM C534.

11. ALL DUCTWORK SHALL BE ASTM A525 AND ASTM A527 GALVANIZED STEEL SHEET, LOCK FORMING QUALITY, HAVING G90 ZINC COATING IN CONFORMANCE WITH ASTM A90. CONSTRUCT DUCTWORK TO NFPA 90A AND SMACNA HVAC DUCT AND CONSTRUCTION STANDARDS, 1985 EDITION. DUCTWORK SHALL BE 2 INCH PRESSURE CLASS LOW PRESSURE DUCTWORK. ALL DUCTWORK SHALL BE INSULATED ACCORDING TO THE NM ENERGY CODE REQUIREMENT.

12. THE BALANCING SHALL BE PREFORMED BY ENERGY BALANCE INC, OR KIRK AIR. QUALIFIED PERSONAL ARE LIMITED TO REGISTERED MECHANICAL ENGINEERS AND AGENCIES REGULARLY ENGAGED IN TESTING AND BALANCING WORK. THE CONTRACTOR SHALL SUBMIT, PRIOR TO THE START OF THE BALANCING WORK, THE QUALIFICATIONS AND EXPERIENCE RECORD OF THE BALANCING PERSONAL FOR APPROVAL BY THE ARCHITECT/ENGINEER.

SYMBOL LEGEND

ABBR.	SYMBOL	DESCRIPTION
GV W/HB		GATE VALVE W/ HOSE BIBB CONNECTION
FSW		FLOW SWITCH
AV		AUTOMATIC AIR VENT
		RISER DOWN
		RISER UP
		DROP
		RISER UP
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
		BRANCH - SIDE CONNECTION
HB		HOSE BIBB
WH		WATER HEATER
EWC		ELECTRIC WATER COOLER
		EQUIPMENT DESIGNATION
		KEYED NOTES
DIA	ø	DIAMETER
AFG, BFG		ABOVE, BELOW FINISH GRADE
UG, UF		UNDERGROUND, UNDER FLOOR
EX		EXISTING TO REMAIN
GPM		GALLONS PER MINUTE
TYP		TYPICAL
MTD		MOUNTED
MBH		THOUSAND BTUS PER HOUR
HP		HORSEPOWER
AFF, BFF		ABOVE, BELOW FINISH FLOOR
H'STAT	Ⓗ	HUMIDISTAT
T'STAT	Ⓣ	THERMOSTAT
OSA		OUTSIDE AIR
FD		FLOOR DRAIN
FS		FLOOR SINK
CAP		CAP ON END OF PIPE
POC		POINT OF CONNECTION
DISC		DISCONNECT TO POINT INDICATED
CO, WCO		CLEANOUT, WALL CLEANOUT
GCO, FCO		GRADE, FLOOR CLEANOUT
RD, OFD	◎ ◎	ROOF DRAIN, OVERFLOW DRAIN

ABBR.	SYMBOL	DESCRIPTION
EAT, LAT		ENTERING, LEAVING AIR TEMPERATURE
WB, DB		WET, DRY BULB TEMPERATURE
FPM		FEET PER MINUTE
RPM		REVOLUTIONS PER MINUTE
"WC		INCHES OF WATER COLUMN
TSP		TOTAL STATIC PRESSURE
ΔP		PRESSURE DROP, PRESSURE DIFFERENCE
ESP		EXTERNAL STATIC PRESSURE
FP	FP	FIRE PROTECTION
W	W	WATER LINE
CW		COLD WATER LINE
HW		HOT WATER LINE
RHW		CIRCULATING HOT WATER
V		VENT PIPING
S	S	SOIL OR WASTE LINE
G	G	GAS - LOW PRESSURE
MG	MG	GAS - MEDIUM PRESSURE
D	D	DRAIN LINE
SS	SS	STORM DRAIN BELOW GRADE
SS	SS	STORM DRAIN ABOVE GRADE
RDL	RDL	ROOF DRAIN LEADER
OFL	OFL	OVER FLOW DRAIN LEADER
VTR		VENT THRU ROOF
GV		GATE VALVE
GL		GLOBE VALVE
CV		CHECK VALVE
PV		PLUG VALVE
TCV-3		CONTROL VALVE (THREE-WAY)
TCV-2		CONTROL VALVE (TWO-WAY)
P & TR		RELIEF VALVE
PRV		PRESSURE REDUCING VALVE
BFV		BUTTERFLY VALVE
NV		NEEDLE VALVE
BV		BALL VALVE
FCV		CIRCUIT SETTER VALVE
STR		STRAINER
UN		UNION
		VALVE IN RISER
		BALANCING VALVE WITH MEMORY STOP

ABBR.	SYMBOL	DESCRIPTION
	20/12	RIGID DUCTWORK - FIRST FIGURE IS SIDE SHOWN
		FLEXIBLE DUCTWORK
		DUCT TRANSITION
		SUPPLY AIR DUCT UP
		RETURN OR EXHAUST DUCT UP
		SUPPLY DUCT DOWN
		RETURN OR EXHAUST DUCT DOWN
		CEILING SUPPLY AIR OUTLET
		CEILING SUPPLY AIR OUTLET
RA/EH		CEILING RETURN OR EXHAUST AIR INLET
SA		SIDEWALL SUPPLY AIR OUTLET
RA/EH		SIDEWALL RETURN OR EXHAUST AIR INLET
SA		CEILING SUPPLY AIR OUTLET
RA/EH		CEILING RETURN OR EXHAUST AIR INLET
SA		SIDEWALL SUPPLY AIR OUTLET
RA		SIDEWALL RETURN OR EXHAUST AIR INLET
FC		FLEXIBLE CONNECTION
FD		FIRE DAMPER
S/FD		SMOKE/FIRE DAMPER
MVD		MANUAL VOLUME DAMPER
SD		SPLITTER DAMPER
AD		ACCESS DOOR (SIZE SHOWN)
OBD		OPPOSED BLADE DAMPER
PBD		PARALLEL BLADE DAMPER
CFM		CUBIC FEET PER MINUTE
OAD		OUTSIDE AIR DAMPER (OPPOSED BLADE)
RAD		RETURN AIR DAMPER (OPPOSED BLADE)
EAD		EXHAUST AIR DAMPER (OPPOSED BLADE)
BDD		BACKDRAFT DAMPER
CD		CEILING DIFFUSER
G		GRILLE
SW		SIDEWALL
R		REGISTER W/ OBD
TG		TRANSFER GRILLE
DG		DOOR GRILLE
UC		UNDERCUT
AF		AIR FILTER

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SANTA FE TRAILS

CITY OF SANTA FE

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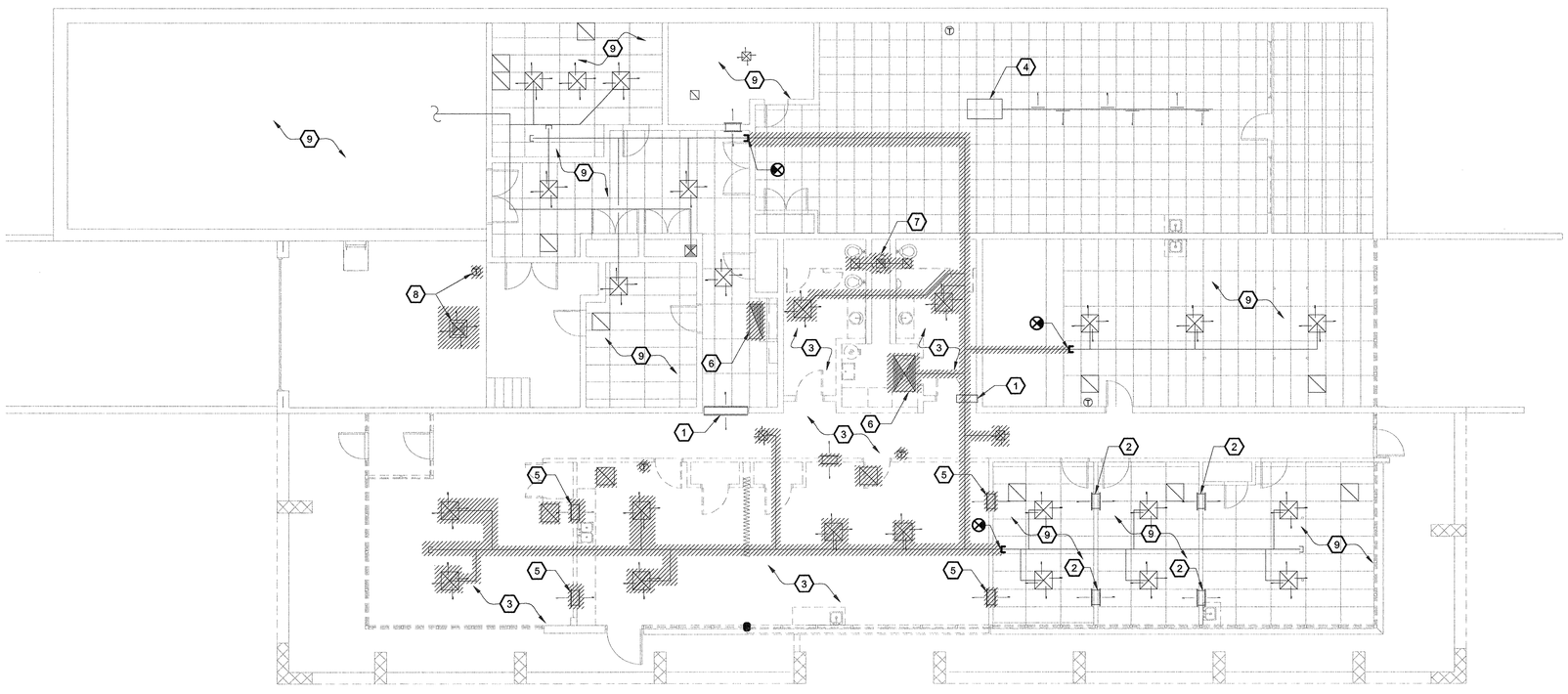
PATRICK M. SE... STATE OF NEW MEXICO 6378 REGISTERED PROFESSIONAL ENGINEER
7/20/20

SYMBOL LEGEND AND GENERAL NOTES

MP-001

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A1 MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. HATCHING DENOTES REMOVAL/DISCONNECT.
B. ALL EQUIPMENT ON ROOF SHALL BE REMOVED IN IT'S ENTIRETY FOR NEW ROOF INSTALLATION. SEE NEW MECHANICAL ROOF PLAN DEMO MD-201 FOR FURTHER INFORMATION.

(#) SHEET KEYNOTES:

1. EXISTING OPENING IN WALL ABOVE CEILING SHALL REMAIN AND BE RE-USED IN NEW WORK.
2. EXISTING OPENING IN WALL ABOVE CEILING SHALL REMAIN UNDISTURBED.
3. ALL DUCTWORK, GRILLES, DIFFUSERS, CONTROLS AND ASSOCIATED ROOFTOP EQUIPMENT SHALL BE REMOVED COMPLETELY, UNLESS NOTED OTHERWISE.
4. EXISTING FAN COIL UNIT AND ASSOCIATED DUCTWORK, GRILLES AND CONTROLS SHALL REMAIN. CONTRACTOR SHALL DISCONNECT CONTROL WIRING FROM CONDENSING UNIT ON ROOF AND CUT AND CAP REFRIGERANT LINES TO A CLEAN POINT FOR FOR FUTURE USE OF FAN COIL UNIT. OWNER HAS FIRST RIGHT OF REFUSAL ON SALVAGEABLE EQUIPMENT NOT INDICATED TO BE REUSED. THE CONTRACTOR SHALL DELIVER ITEMS DEEMED SALVAGEABLE BY THE CITY OF SANTA FE OFFICIALS TO THEIR STORAGE FACILITIES.
5. PATCH AND REPAIR EXISTING OPENING IN WALL ABOVE CEILING. REFER TO ARCHITECTURAL DRAWINGS.
6. CONTRACTOR SHALL PATCH AND REPAIR EXISTING OPENING IN ROOF AS NECESSARY. REFER TO NEW ARCHITECTURAL DRAWINGS. SEE MECHANICAL ROOF PLAN SHEET M-201 FOR NEW ROOF PENETRATIONS.
7. EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES AND CONTROL WIRING SHALL BE REMOVED COMPLETELY. CONTRACTOR SHALL PATCH AND REPAIR EXISTING OPENING IN ROOF AND NECESSARY. REFER TO NEW ARCHITECTURAL DRAWINGS AND SHEET M-201 FOR NEW EXHAUST PENETRATIONS.
8. EXISTING EVAPORATIVE COOLER AND ALL ASSOCIATED DUCTWORK, GRILLES AND CONTROLS SHALL BE REMOVED COMPLETELY. CONTRACTOR SHALL PATCH AND REPAIR EXISTING OPENING IN ROOF AS NECESSARY. REFER TO NEW ARCHITECTURAL DRAWINGS.
9. CONTRACTOR SHALL DISCONNECT EXISTING DUCTWORK IN AREAS NOT IN CONTRACT AND LEAVE DUCTWORK AND GRILLES ABANDONED IN PLACE TO BE REUSED IN FUTURE INSTALLATIONS. TYPICAL, UNLESS NOTED OTHERWISE BY HATCHING.

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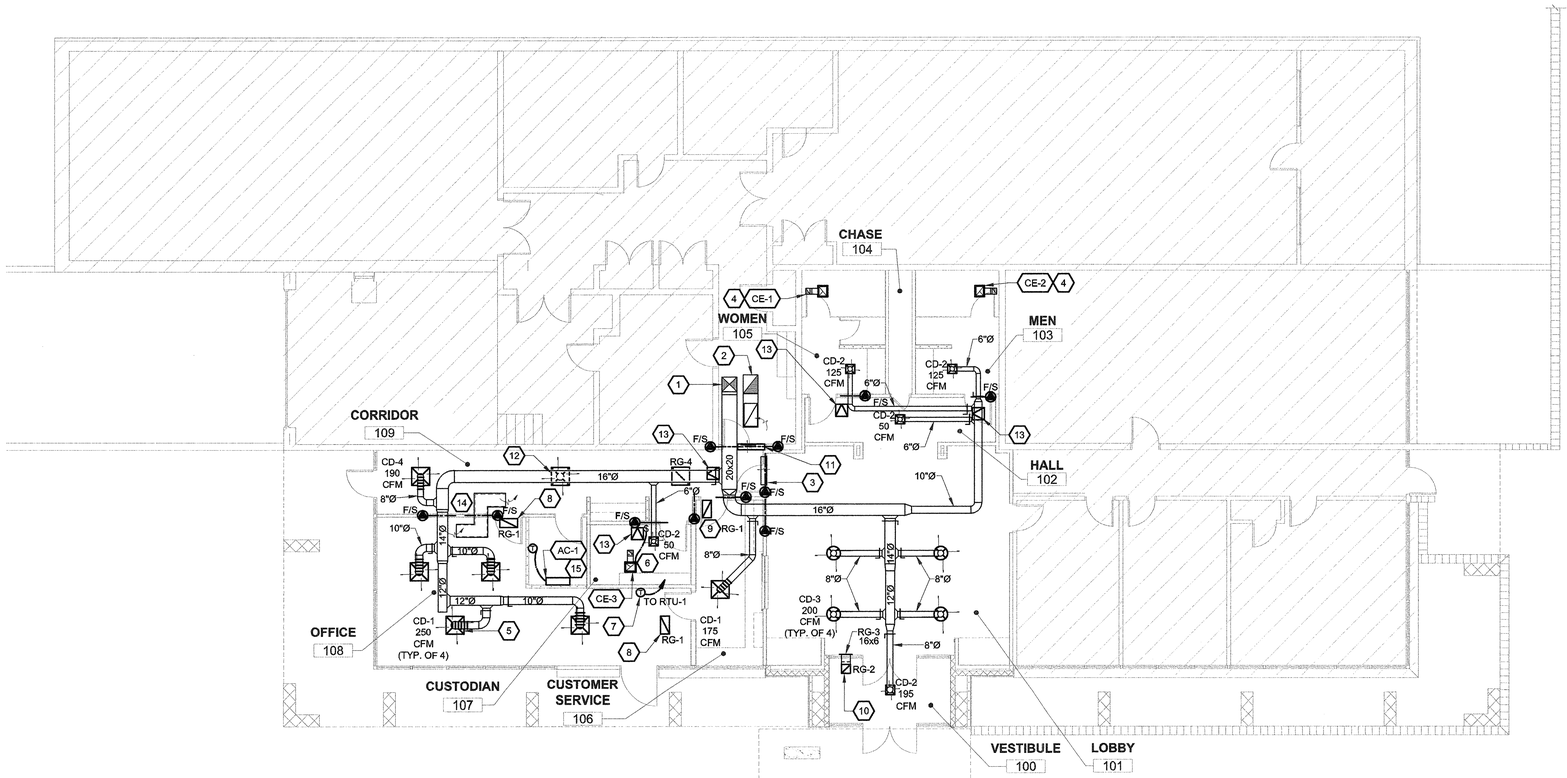
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MECHANICAL DEMOLITION PLAN

MD-101

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A1 MECHANICAL PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO MECHANICAL ROOF PLAN, SHEET M-201 FOR ROOFTOP EQUIPMENT LOCATIONS.
B. EXISTING DRAWINGS OR INFORMATION REGARDING THE EXISTING STRUCTURE WERE NOT AVAILABLE DURING DESIGN PROCESS. EXACT ROUTING OF DUCTWORK AND SIZE IS SUBJECT TO CHANGE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST HIS BID ACCORDINGLY .
C. HATCH REPRESENTS AREA N.I.C.

SHEET KEYNOTES:

1. 20" X 20" SUPPLY AIR DUCTWORK DOWN THRU CURB AND ROOF FROM RTU-1 TO CEILING SPACE. CONTRACTOR TO INSTALL ACOUSTICAL LINER FIRST 10 FT. OF SUPPLY DUCTWORK.
2. 22" X 20" RETURN AIR DUCT THRU CURB AND ROOF FROM RTU-1 TO CEILING SPACE. THE RETURN AIR DUCTWORK SHALL HAVE 1" ACOUSTICAL LINER INSTALLED THE ENTIRE LENGTH OF DUCTWORK. TERMINATE RETURN AIR DUCT WITH SOUND ELBOW PER DETAIL C2 ON SHEET M-501.
3. PROVIDE AND INSTALL 38" X 20" TRANSFER AIR GRILLE (TG-1) ABOVE DOOR IN CMU WALL AT LOCATION SHOWN FOR RETURN AIR PATH BACK TO RTU-1. INSTALL TRANSFER GRILLE ON LOBBY SIDE OF WALL AND SLEEVE TRANSFER AIR DUCT THRU WALL TO CORRIDOR CEILING SPACE. PROVIDE AND INSTALL FIRE/SMOKE DAMPER IN TRANSFER DUCT. REFER TO C4 ON SHEET M-502 FOR ADDITIONAL INFORMATION. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET M-601 FOR ADDITIONAL INFORMATION.
4. INSTALL CEILING EXHAUSTER IN LOCATION SHOWN PER DETAIL B3 ON SHEET M-501. EXTEND 8" X 6" EXHAUST AIR UP THROUGH ROOF AND TERMINATE WITH GOOSENECK. MAINTAIN 10'-0" CLEARANCE FROM ANY FRESH AIR INTAKE OR BUILDING OPENING. CEILING EXHAUSTER SHALL BE INTERLOCKED WITH LIGHT SWITCH AND SHALL ENERGIZE WHEN LIGHTS ARE ON.
5. SUPPLY DIFFUSERS BALANCED FOR CFM SHOWN WITH NECK SIZE TO MATCH BRANCH DUCT SIZE. TYPICAL. SEE MECHANICAL EQUIPMENT SCHEDULE ON SHEET M-601 FOR DIFFUSER TYPE.
6. INSTALL CEILING EXHAUSTER IN LOCATION SHOWN PER DETAIL C3 ON SHEET M-501. EXTEND 6" DIAMETER EXHAUST AIR UP THROUGH ROOF AND TERMINATE WITH GOOSENECK. MAINTAIN 10'-0" CLEARANCE FROM ANY FRESH AIR INTAKE OR BUILDING OPENING. CEILING EXHAUSTER SHALL BE LOCALLY SWITCHED WITH PILOT SWITCH SERVING THE SPACE. LOCATE SWITCH NEXT TO LIGHT SWITCH SERVING SAME SPACE.
7. INSTALL PROGRAMMABLE THERMOSTAT ON WALL IN LOCATION SHOWN, MOUNT 4'-0" A.F.F.
8. INSTALL RETURN AIR GRILLE WITH SOUND BOOT PER DETAIL D3 ON SHEET M-501. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR GRILLE TYPE.
9. INSTALL RETURN AIR GRILLE WITH SOUND BOOT PER DETAIL B4 ON SHEET M-502.
10. INSTALL 12" X 12" RETURN AIR GRILLE WITH SOUND BOOT PER DETAIL D3 ON SHEET M-501. EXTEND DUCT THROUGH WALL AND TERMINATE WITH RETURN GRILLE ON LOBBY SIDE OF WALL. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET M-601 FOR ADDITIONAL INFORMATION.
11. CONTRACTOR SHALL VERIFY EXISTING OPENING IN WALL ABOVE CEILING HAS 36" X 24" FREE SPACED TO ENSURE A PROPER RETURN AIR PATH BACK TO RTU-1. CONTRACTOR SHALL MODIFY EXISTING OPENING AS NECESSARY TO ACHIEVE NET FREE AREA.
12. INSTALL NEW CEILING DIFFUSER (CD-4) IN LOCATION SHOWN AND EXTEND AND CONNECT NEW 8"Ø SUPPLY DUCT FROM UNDERSIDE OF MAIN SUPPLY, NECK TO MATCH BRANCH DUCT SIZE. BALANCE DIFFUSER TO 190 CFM.
13. PROVIDE AND INSTALL ACCESS DOOR IN HARD CEILING AS REQUIRED, COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECT.
14. INSTALL 18" X 18" RETURN TRANSFER BOOT WITH COMBINATION FIRE/SMOKE DAMPER ABOVE CEILING IN LOCATION SHOWN PER DETAIL A3 ON SHEET M-501.
15. INSTALL AC-1 (INDOOR EVAPORATOR) IN LOCATION SHOWN. MOUNT IN ACCORDANCE WITH MANUFACTURER CLEARANCE REQUIREMENTS. LOCATE UNIT THERMOSTAT 48" A.F.F. REFER TO P-102 FOR CONDENSATE ROUTING.

PATRICK M. SEDILLO — STATE OF NEW MEXICO — NO. 6378 — REGISTERED PROFESSIONAL ENGINEER

7/20/20

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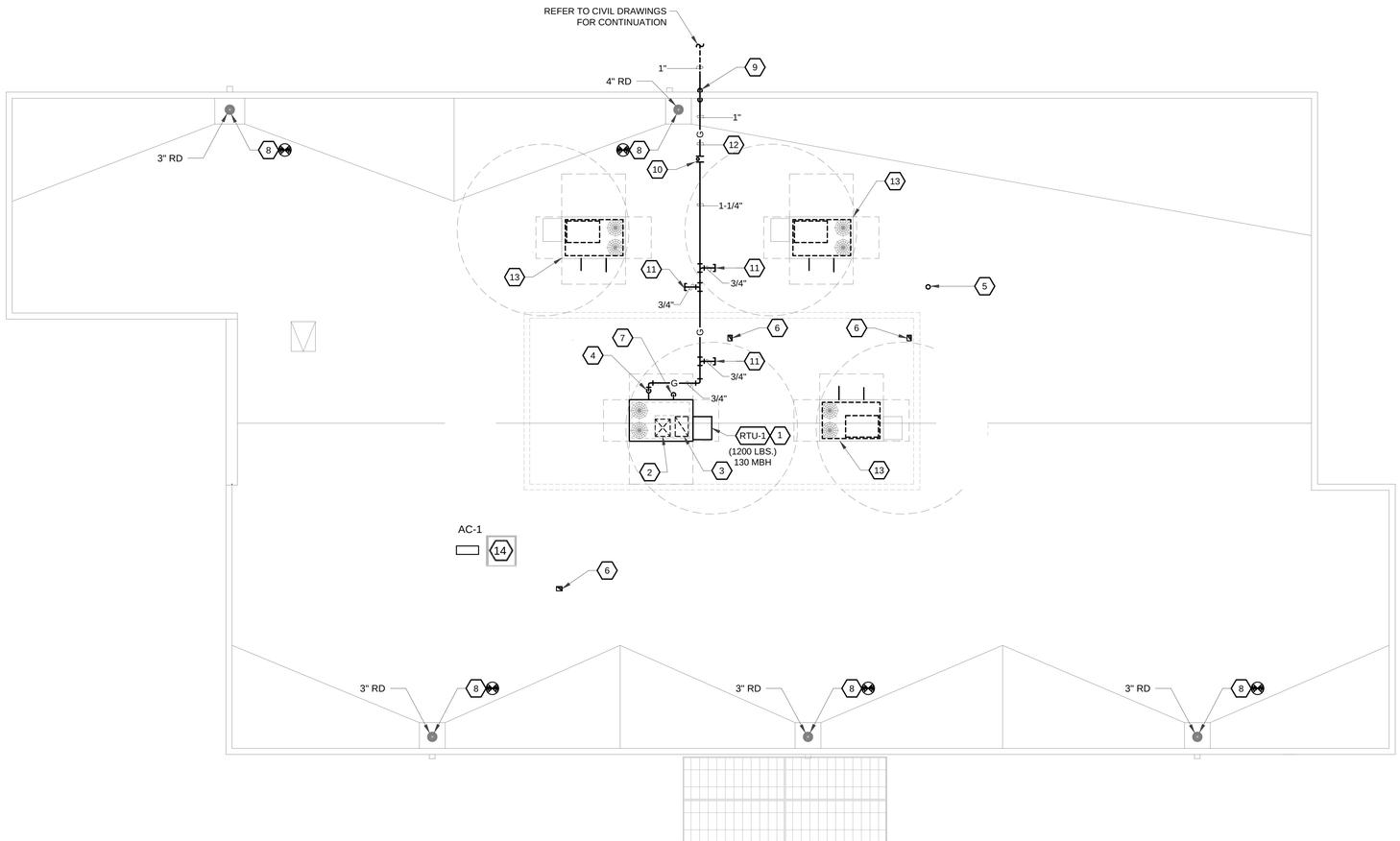
MECHANICAL PLAN

M-101

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09 Facilities\Projects\2015\115030 Santa Fe Transit & Police Dept. Renov\Cadd\Drawings\115030_M101.dwg, 12/5/2017 3:17:19 PM, phelvie



A1 MECHANICAL ROOF PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. **REFER TO MECHANICAL EQUIPMENT SCHEDULE, SHEET M-601 FOR ADDITIONAL INFORMATION.**

SHEET KEYNOTES:

1. INSTALL ROOF MOUNTED PACKAGED UNIT LEVEL ON INSULATED AND ADJUSTABLE CURB IN LOCATION SHOWN PER MANUFACTURERS GUIDELINES AND RECOMMENDATIONS. PROVIDE UNIT IDENTIFICATION PLACARD ON NORTH FACING SIDE OF UNIT.
2. EXTEND 20"x20" SUPPLY AIR DUCTWORK DOWN THRU ROOF BETWEEN JOISTS AND ROUTE AS SHOWN AS TIGHT TO STRUCTURE AS POSSIBLE. TRANSITION FROM UNIT OPENING AS REQUIRED. REFER TO MECHANICAL PLAN SHEET M-101 FOR CONTINUATION.
3. EXTEND 22"x20" RETURN AIR DUCTWORK DOWN THRU ROOF, BETWEEN JOISTS AND TIGHT TO THE STRUCTURE. INSTALL 1" ACOUSTICAL LINER THROUGHOUT DUCT. TERMINATE WITH SOUND ELBOW PER DETAIL ON SHEET M-501. TRANSITION FROM UNIT OPENING AS REQUIRED. REFER TO MECHANICAL PLAN SHEET M-101 FOR CONTINUATION.
4. CONTRACTOR SHALL PROVIDE AND INSTALL GAS COCK, UNION, DIRT LEG AND FLEX CONNECTION TO EACH PIECE OF GAS-FIRED EQUIPMENT PER DETAIL B2 ON SHEET M-501.
5. PROVIDE VENT THRU ROOF PER DETAIL D2 ON SHEET P-501.
6. 8"x6" EXHAUST AIR DUCT UP THRU ROOF FROM CEILING EXHAUSTER, TERMINATE WITH GOOSENECK. MAINTAIN 10'-0" CLEARANCE FROM ANY FRESH AIR INTAKE OR BUILDING OPENING. PROVIDE AND INSTALL INSECT SCREEN.
7. EXTEND 3/4" CONDENSATION DRAIN LINE WITH P-TRAP FROM ROOF TOP UNIT DOWN THRU ROOF AND ROUTE AT A MINIMUM 1/8" PER FOOT SLOPE TO MOP SINK IN CUSTODIAN 107. TERMINATE WITH MINIMUM 1" AIR GAP. REFER TO SHEET P-102 FOR CONTINUATION OF PIPING. SEE DETAIL A2 ON SHEET M-501.
8. EXISTING ROOF DRAIN.
9. 1" GAS LINE FROM EXISTING GAS METER. CONTRACTOR SHALL COORDINATE THE ADJUSTMENT OF EXISTING METER WITH THE NEW MEXICO GAS COMPANY TO BE SET AT 2 PSI WITH A NEW LOAD OF 130 CFH. CONTRACTOR SHALL VERIFY EXACT ROUTE FROM EXISTING METER AND COORDINATE WITH EXISTING UNDERGROUND UTILITIES NEARBY. GAS LINE UP ON WALL AND OVER PARAPET TO ROOF.
10. PROVIDE AND INSTALL GAS REGULATOR ON ROOF IN LOCATION SHOWN. REGULATOR TO REDUCE PRESSURE FROM 2 PSI DOWN TO 7" W.C. WITH A LOAD OF 130 CFH. ROUTE 1-1/4" GAS LINE AS SHOWN. REFER TO DETAIL B3 ON SHEET M-501.
11. CONTRACTOR TO PROVIDE TEE AND CAP FOR FUTURE ROOF TOP EQUIPMENT.
12. PROVIDE PIPE SUPPORT EVERY 8 FEET AND EVERY TEE BEND. OFFSET 12" FOR EVERY 100 FEET OF STRAIGHT RUN OF PIPE, PER CODE. TYPICAL. REFER TO DETAIL A4 ON SHEET M-501.
13. ROOF CURB AND ROOF OPENING FOR FUTURE ROOF TOP UNITS SHOWN FOR COORDINATION PURPOSES. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
14. LOCATION OF AIR COOLED CONDENSING UNIT ON ROOF. SEE DETAIL FOR PIPING REQUIREMENTS.

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PROJECT NO.: R304054.01
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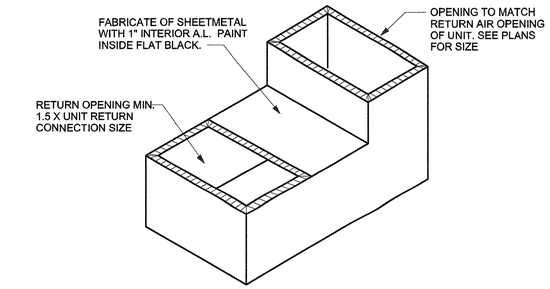
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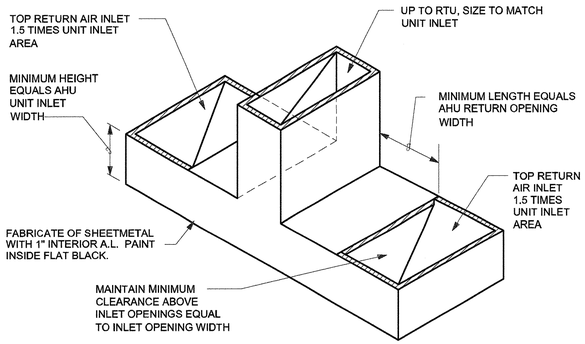
MECHANICAL ROOF PLAN

M-102

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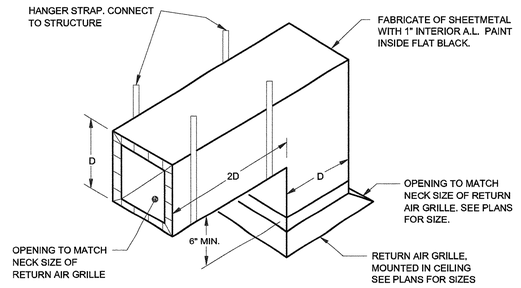
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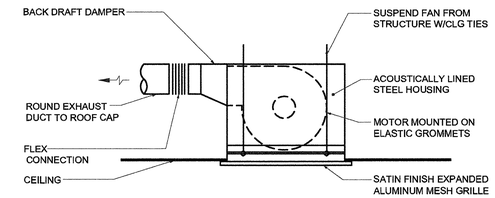
C2 SOUND ELBOW DETAILS

SCALE: NONE



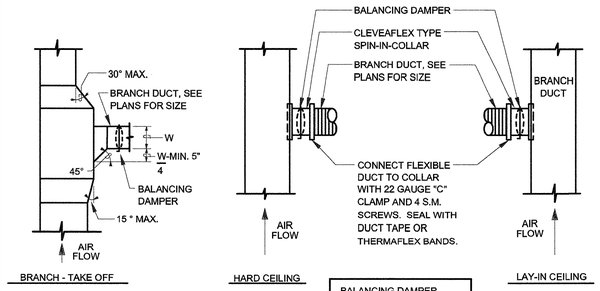
D3 RETURN AIR SOUND BOOT DETAIL

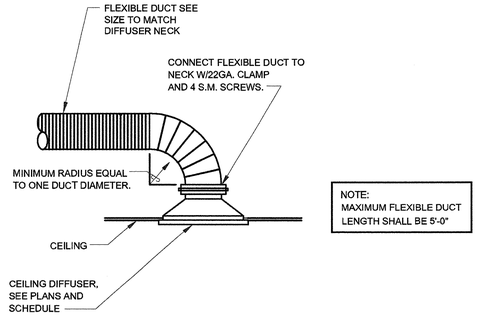
SCALE: NONE



C3 CEILING MOUNTED EXHAUST FAN DETAIL

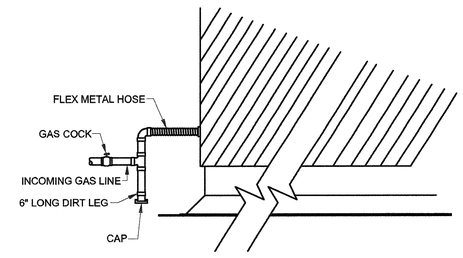
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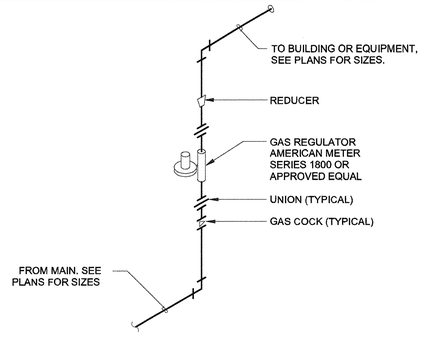
C4 DIFFUSER CONNECTION DETAIL

SCALE: NONE



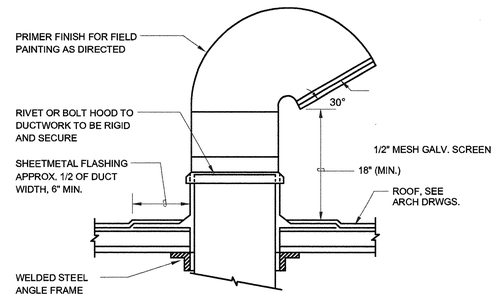
B2 GAS PIPING CONNECTION DETAIL

SCALE: NONE



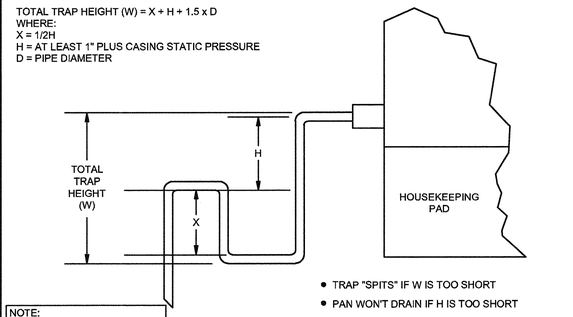
B3 GAS REGULATOR DETAIL

SCALE: NONE



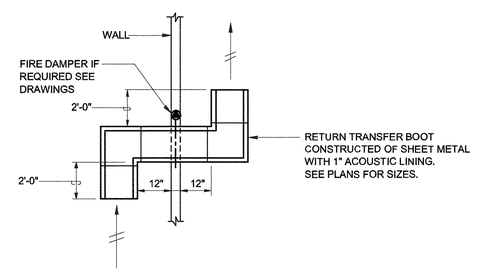
B4 GOOSENECK DETAIL

SCALE: NONE



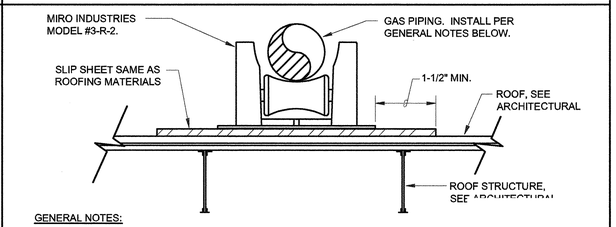
A2 CONDENSATE TRAP DETAIL

SCALE: NONE



A3 RETURN TRANSFER BOOT DETAIL

SCALE: NONE



GENERAL NOTES:

1. GAS PIPING SHALL BE LOCATED ABOVE ROOF.
2.

PIPE SIZE	SUPPORT SPACING
1/2"	6'-0"
3/4" to 1"	8'-0"
1-1/4"& LARGER	10'-0"

A4 GAS PIPING SUPPORT DETAIL

SCALE: NONE

PATRICK M. SEARLS STATE 6378 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

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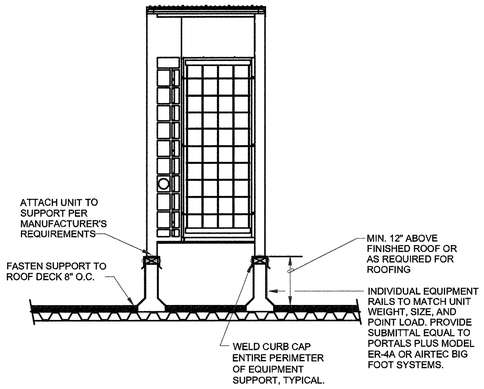
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MECHANICAL DETAILS

M-501

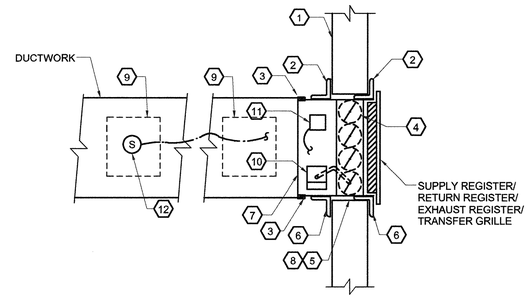
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C2 CONDENSER STAND DETAIL

SCALE: NONE

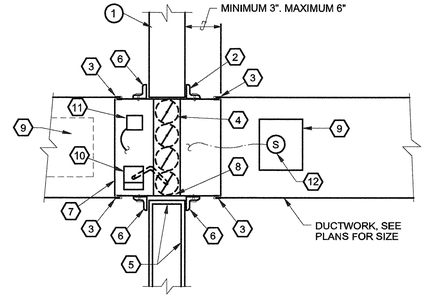


KEYED NOTES

1. FIRE RATED WALL, CMU OR CONCRETE.
2. 2" X 2" X 1/8" RETAINING ANGLE ON TOP, BOTH SIDES OF WALL, SECURE TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END.
3. BREAK-A-WAY JOINT.
4. COMBINATION SMOKE/FIRE DAMPER, SEE SPECIFICATIONS FOR REQUIREMENTS.
5. FIRE RATED WALL, WOOD OR METAL STUD, PROVIDE FIRE RATED MATERIAL AROUND INSIDE OF ENTIRE OPENING.
6. 2" X 2" X 1/8" RETAINING ANGLE, ON BOTTOM AND TWO SIDES, BOTH SIDES OF WALL. SECURED TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END, ANGLE SHALL LAP OPENING 1" ALL AROUND.
7. MINIMUM 16 GAUGE SLEEVE, IF DUCT EXCEEDS 24" HIGH AND 36" WIDE MINIMUM 14 GAUGE SLEEVE SHALL BE USED.
8. EXPANSION CLEARANCE AROUND SLEEVE, MINIMUM 1/8" PER FOOT WIDTH AND HEIGHT, MAXIMUM 1/2" LARGER THAN 1/8" MINIMUM.
9. SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS
10. ELECTRIC DAMPER OPERATOR, SEE SPECIFICATIONS FOR REQUIREMENTS.
11. FIRE STAT.
12. INTEGRAL DUCT SMOKE DETECTOR (WITHIN 5'-0" OF SMOKE/FIRE DAMPER)

C3 SMOKE/FIRE DAMPER - WALL DETAIL

SCALE: NONE



KEYED NOTES

1 WALL, CMU OR CONCRETE.

2 2" X 2" X 1/8" RETAINING ANGLE ON TOP, BOTH SIDES OF WALL, SECURE TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END.

3 BREAK-A-WAY JOINT.

4 COMBINATION SMOKE/FIRE DAMPER, SEE SPECIFICATIONS FOR REQUIREMENTS.

5 WALL, WOOD OR METAL STUD, PROVIDE FIRE RATED MATERIAL AROUND INSIDE OF ENTIRE OPENING.

6 2" X 2" X 1/8" RETAINING ANGLE, ON BOTTOM AND TWO SIDES, BOTH SIDES OF WALL. SECURED TO SLEEVE WITH 1/2" WELDS OR 1/4" BOLTS AND NUTS 8" ON CENTER, STARTING 2" FROM END, ANGLE SHALL LAP OPENING 1" ALL AROUND.

7 MINIMUM 16 GAUGE SLEEVE, IF DUCT EXCEEDS 24" HIGH AND 36" WIDE MINIMUM 14 GAUGE SLEEVE SHALL BE USED.

8 EXPANSION CLEARANCE AROUND SLEEVE, MINIMUM 1/8" PER FOOT WIDTH AND HEIGHT, MAXIMUM 1/2" LARGER THAN 1/8" MINIMUM.

9 SEE SPECIFICATIONS FOR ACCESS DOOR REQUIREMENTS

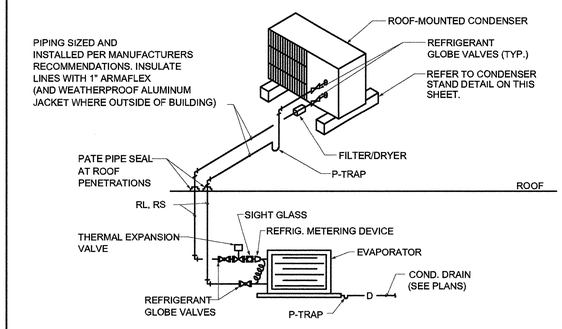
10 ELECTRIC DAMPER OPERATOR, SEE SPECIFICATIONS FOR REQUIREMENTS.

11 FIRE STAT.

12 DUCT DETECTOR SUPPLIED BY SOUND AND SIGNAL.

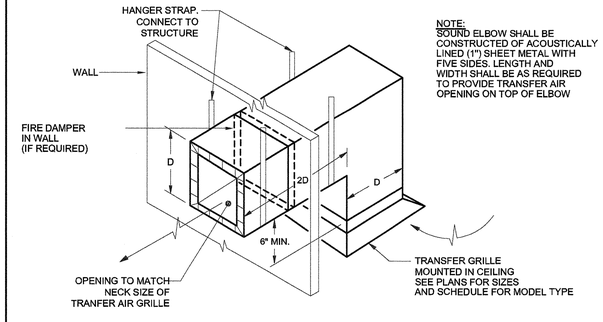
C4 COMBINATION SMOKE/FIRE DAMPER DETAIL

SCALE: NONE



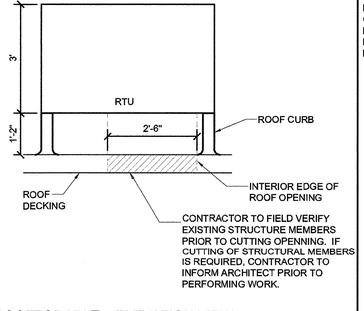
B3 CONDENSING UNIT PIPING DETAIL

SCALE: NONE



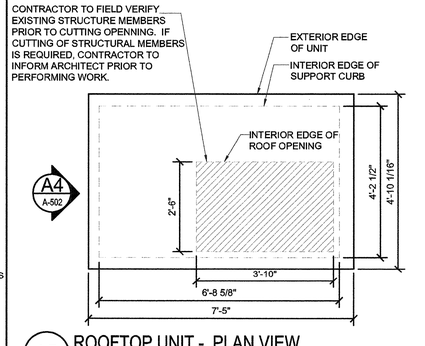
B4 RETURN AIR F/SD TRANSFER SOUND ELBOW DETAIL

SCALE: NONE



A4 ROOFTOP UNIT - ELEVATION VIEW

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



A5 ROOFTOP UNIT - PLAN VIEW

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

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MECHANICAL DETAILS

M-502

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MECHANICAL EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
CD-1	CEILING DIFFUSER: 24 X 24 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME 31 FOR LAY-IN CEILING, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES SCD OR APPROVED EQUAL.
CD-2	CEILING DIFFUSER: 12 X 12 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME 31 WITH SPF MOUNTING FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES SCD OR APPROVED EQUAL.
CD-3	CEILING DIFFUSER: SIZE 10 LOUVERED FACE ROUND DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME FOR DUCT MOUNTING, COORDINATE COLOR WITH ARCHITECT, OPPOSED BLADE DAMPER, ROUND NECK, ADJUSTABLE 2-POSITION HORIZONTAL THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES RCDE OR APPROVED EQUAL.
CD-4	CEILING DIFFUSER: 24 X 24 LOUVERED FACE DIFFUSER, STEEL WITH REMOVABLE CORE, FRAME 31 WITH SPF MOUNTING FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH, OPPOSED BLADE DAMPER, ROUND NECK, FOUR-WAY THROW PATTERN, MAXIMUM NECK VELOCITY 600 FPM, NC LEVEL LESS THAN 30. PRICE SERIES SCD OR APPROVED EQUAL.
RG-1	RETURN GRILLE: 24 X 12 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR LAY-IN CEILING, WHITE ENAMEL FINISH. PRICE 80TB OR APPROVED EQUAL.
RG-2	RETURN GRILLE: 12 X 12 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH. PRICE 80F OR APPROVED EQUAL.
RG-3	RETURN GRILLE: 16 X 6 LOUVERED GRILLE, HORIZONTAL VANES, 45° DEFELCTION, 3/4" SPACING, STAINLESS STEEL CONSTRUCTION, OPPOSED BLADE DAMPER, COORDINATE COLOR WITH ARCHITECT. PRICE 630D OR APPROVED EQUAL.
RG-4	RETURN GRILLE: 24 X 24 EGGCRATE GRILLE, 1/2" X 1/2" X 1/2" GRID, ALUMINUM CONSTRUCTION, FRAME FOR SURFACE MOUNT, WHITE ENAMEL FINISH. PRICE 80F OR APPROVED EQUAL.
TG-1	TRANSFER GRILLE: 38 X 20 SIGHTPROOF, HEAVY DUTY STEEL CONSTRUCTION. 1-1/4" FLAT BORDER, ONE SIDE, COUNTERSUNK SCREWHOLE FASTENING, ALUMINUM POWDER COAT FINISH, COORDINATE FINAL COLOR WITH OWNER OR ARCHITECT. PRICE MODEL ATG1 OR APPROVED EQUIVALENT.
CE-1 THRU CE-3	CEILING EXHAUST FAN: CEILING MOUNTED EXHAUST FAN COMPLETE WITH FULLY INSULATED HOUSING, CENTRIFUGAL BLOWER WITH DIRECT DRIVE MOTOR, SPEED CONTROL, HORIZONTAL OR VERTICAL OUTLET, BACKDRAFT DAMPER, AND GRILLE, SELECTION BASED ON GREENHECK OR APPROVED EQUAL. SYMBOL MODEL CFM SP WATTS FRPM VOLT/PH CE-1 SP-A200 125 .325 44.0 900 115/1 CE-2 SP-A200 125 .325 44.0 900 115/1 CE-3 SP-A125 75 .325 16.9 1100 115/1
RTU-1	PACKAGE ROOFTOP UNIT: SHALL BE COMBINATION DX COOLING, GAS HEATING SYSTEM WITH AIR HANDLING SECTION, FILTER SECTION WITH THROWAWAY FILTERS AND COMPLETE CONTROL SYSTEM. UNIT SHALL BE ARI CERTIFIED AND UL LISTED. CABINET SHALL BE WEATHERPROOF WITH GALVANIZED STEEL FLOOR. ACCESS PANELS SHALL BE PROVIDED FOR ALL SERVICEABLE PARTS. SCHEDULED COOLING CAPACITY SHALL BE PRODUCED AT RATING CONDITIONS OF 90°F OUTDOOR AIR AND 80/63°F EVAPORATOR ENTERING AIR. SCHEDULED HEATING INPUT IS AT SEA LEVEL. COOLING SECTIONS OVER 5 TONS SHALL HAVE TWO INDEPENDENT REFRIGERATION CIRCUITS. COMPRESSORS SHALL HAVE HIGH AND LOW PRESSURE CUTOUTS AND ANTI-RECYCLE TIMERS. HEATING SECTIONS OVER 75 MBH INPUT SHALL BE CAPABLE OF TWO STAGE FIRING, ALL HEATING SECTIONS SHALL HAVE POWER VENT, ELECTRONIC SPARK IGNITION AND GLASS-LINED HEAT EXCHANGERS. PROVIDE AIR ECONOMIZER SECTION WITH RETURN AIR AND OUTSIDE AIR DAMPERS AND BAROMETRIC RELIEF AIR DAMPER. PROVIDE AUTOMATIC SMOKE DETECTOR SHUTDOWN. PROVIDE AUTOMATIC CHANGEOVER HEAT/COOL THERMOSTAT WITH STAGES APPROPRIATE TO THE UNIT. PROVIDE STARTER FOR UNIT, INSULATED ROOF CURB, BELT DRIVE AND LOW AMBIENT START CONTROLS, SELECTION BASED ON YORK OR APPROVED EQUAL. SYMBOL MODEL CFM OSA CFM ESP COOLING MBH TOTAL SENS HEATING MBH MCA VOLT/PH RTU-1 ZF090N18D4 2920 330 .50" 82 60.1 129.6 19.6 460/3
AC-1	AIR CONDITIONING (INDOOR) EVAPORATOR: DUCTLESS, WALL MOUNTED DIRECT EXPANSION REFRIGERATED COOLING. THE UNIT SHALL BE INSULATED HIGH IMPACT POLYSTYRENE, WITH FACTORY SUPPLIED CLEANABLE FILTER AND PROVISIONS FOR HANGING. FANS SHALL BE FORWARD CURVED. MOTORS SHALL BE RESILIENT MOUNTED, THREE-SPEED, THERMAL OVERLOAD PROTECTED, PERMANENT SPLIT CAPACITOR TYPE. COILS SHALL BE COPPER TUBE, ALUMINUM FIN. SYSTEM SHALL BE CONTROLLED BY REMOTE CONTROL MICROPROCESSOR WITH SENSOR LOCATED IN THE RETURN AIR. PROVIDE DISCONNECT. FACTORY OR FIELD INSTALLED FEATURES/ACCESSORIES SHALL INCLUDE AUTOMATIC FAN SPEED CONTROL, COIL FREEZE PROTECTION, WALL MOUNT KIT, CONDENSATE PUMP AND COOLING ONLY FUNCTION. UNIT BASED ON MITSUBISHI OR APPROVED EQUAL. SYMBOL MODEL CFM CAPACITY(BTUH) AC-1 MSY-GL09NA 109-364 9,000
AC-1	AIR CONDITIONING (OUTDOOR) UNIT: AIR COOLED, HERMETICALLY SEALED RECIPROCATING COMPRESSOR, RESILIENTLY MOUNTED WITH INTERNAL SPRING ISOLATION, COMPLETE WITH TOTALLY ENCLOSED, DIRECT DRIVE FAN MOTOR, ALUMINUM-ALLOY FIN. FACTORY OR FIELD FEATURES/ACCESSORIES SHALL INCLUDE CRANKCASE HEATER, LOW AMBIENT TEMPERATURE CONTROLS, SNOW STAND, AND WIND BAFFLES. UNIT BASED ON MITSUBISHI OR APPROVED EQUAL. SYMBOL MODEL CAPACITY (BTUH) MCA SEER VOLT/PH AC-1 MUY-GL09NA-UI 12,200 7 24.6 208/1

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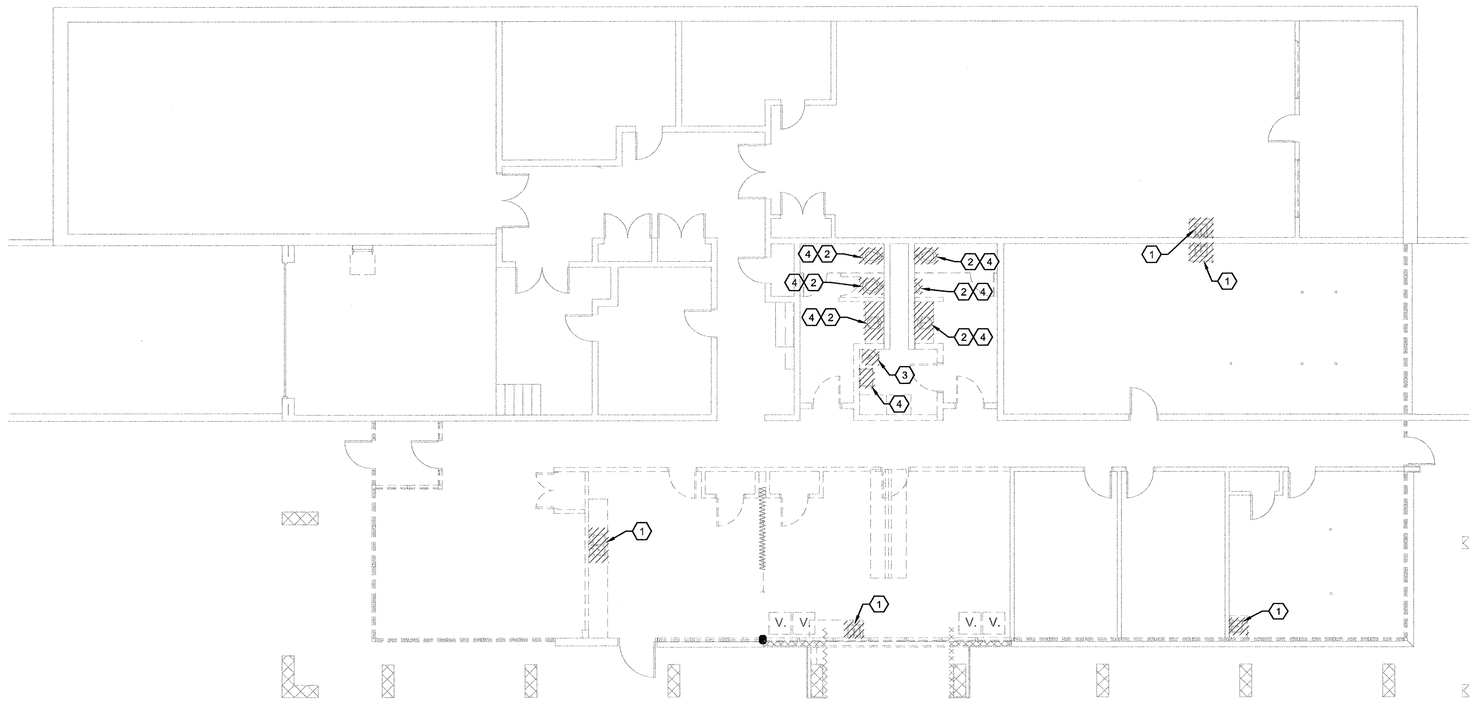
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7/20/20

MECHANICAL EQUIPMENT SCHEDULE

M-601

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A1 PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

A. REFER TO SHEET MP-001 FOR GENERAL DEMOLITION NOTES.

⬡ SHEET KEYNOTES:

1. DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. REMOVE EXISTING SEWER PIPING TO BELOW FLOOR AND CAP. REMOVE EXISTING WATER LINES BACK TO MAINS AND CAP. REMOVE ALL VENT PIPING, INCLUDING VENT THROUGH ROOF. FIELD VERIFY EXISTING CONDITIONS.
2. DISCONNECT AND REMOVE EXISTING WATER PIPING SERVING EXISTING FIXTURES COMPLETELY FROM EXISTING WATER HEATER. CONTRACTOR SHALL FIELD VERIFY EXACT WATER ENTRANCE AND SHALL PROVIDE BACKFLOW PREVENTION DEVICE AND ALL ACCESSORIES/VALVING AS REQUIRED TO COMPLY WITH LOCAL CODE AND AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL EXTEND NEW 2" WATER LINE TO NEW WATER HEATER. FIELD VERIFY EXACT POINT OF CONNECTION.
3. DISCONNECT AND REMOVE EXISTING WATER HEATER COMPLETELY. REMOVE AND CAP COLD AND HOT WATER PIPING COMPLETELY. FIELD VERIFY EXISTING CONDITIONS.
4. DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE. REMOVE EXISTING SEWER PIPING COMPLETELY WITHIN EXISTING PLUMBING GROUND TO ALLOW FOR NEW SAW CUTTING AND ROUTING OF NEW SEWER LINES AS SHOWN ON P-102. CAP EXISTING SEWER LINE AT POINT OF DISCONNECT. REMOVE ALL VENT PIPING COMPLETELY, INCLUDING VENT THROUGH ROOF. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.

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SANTA FE TRAILS

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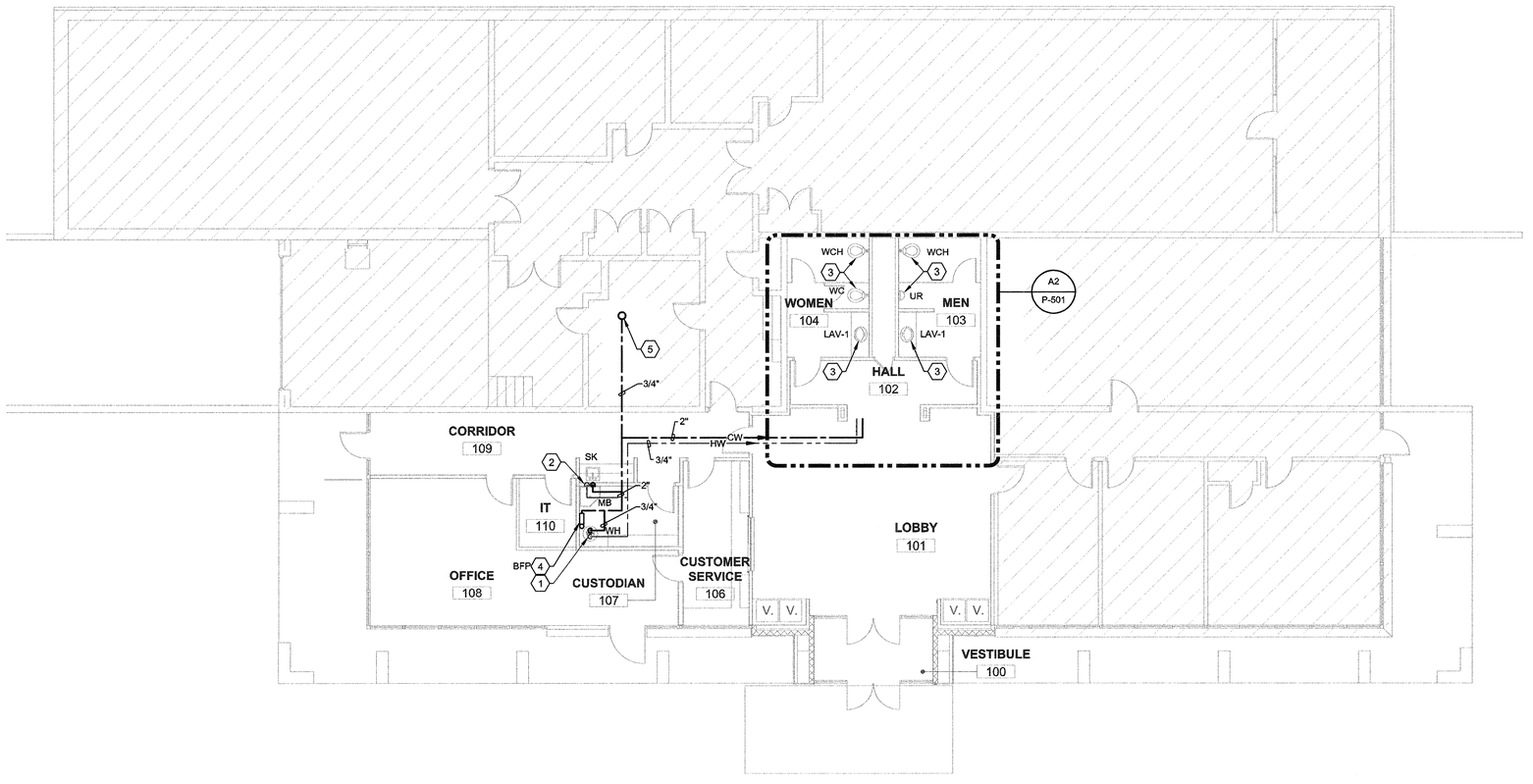
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PLUMBING DEMOLITION PLAN

PD-101

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A1 PLUMBING DOMESTIC WATER PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO SHEET MP-001 FOR GENERAL NOTE.
B. HATCH REPRESENTS AREA N.I.C.

⬡ SHEET KEYNOTES:

1. INSTALL NEW WATER HEATER ON WALL SUPPORT AT THIS LOCATION. ROUTE 3/4" CW TO WATER HEATER AND 3/4" HW UP FROM WATER HEATER. ROUTE CONDENSATE ALONG WALL TO MOP BASIN AND TERMINATE WITH AIR GAP. REFER TO DETAIL A4 ON SHEET P-501.
2. 3/4" CW AND 3/4" HW DOWN IN WALL. ROUTE 1/2" CW AND 1/2" HW TO BAR SINK (SK) AND 3/4" CW AND 3/4" HW TO MOP BASIN (MB).
3. INSTALL NEW PLUMBING FIXTURES AND CONNECT TO NEW PIPING. REFER TO PLUMBING SCHEMATICS FOR ADDITIONAL INFORMATION, SHEET P-501.
4. **CONTRACTOR TO FIELD VERIFY EXISTING DOMESTIC WATER ENTRANCE. ENSURE ALL NECESSARY CODES AND STANDARDS ARE MET. CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING WATER ENTRANCE. PROVIDE NEW ISOLATION BALL VALVE AND LINE SIZE PRV WITH BYPASS, WITH BALL VALVE. PROVIDE PRESURE GAUGES, BOTH SIDES. VERIFY LOCATION OF BACKFLOW PREVENTER AT STREET.**
5. 3/4" CW LINE UP THROUGH ROOF AND TERMINATE WITH RH. REFER TO M-102 MECHANICAL ROOF PLAN FOR ADDITIONAL INFORMATION.

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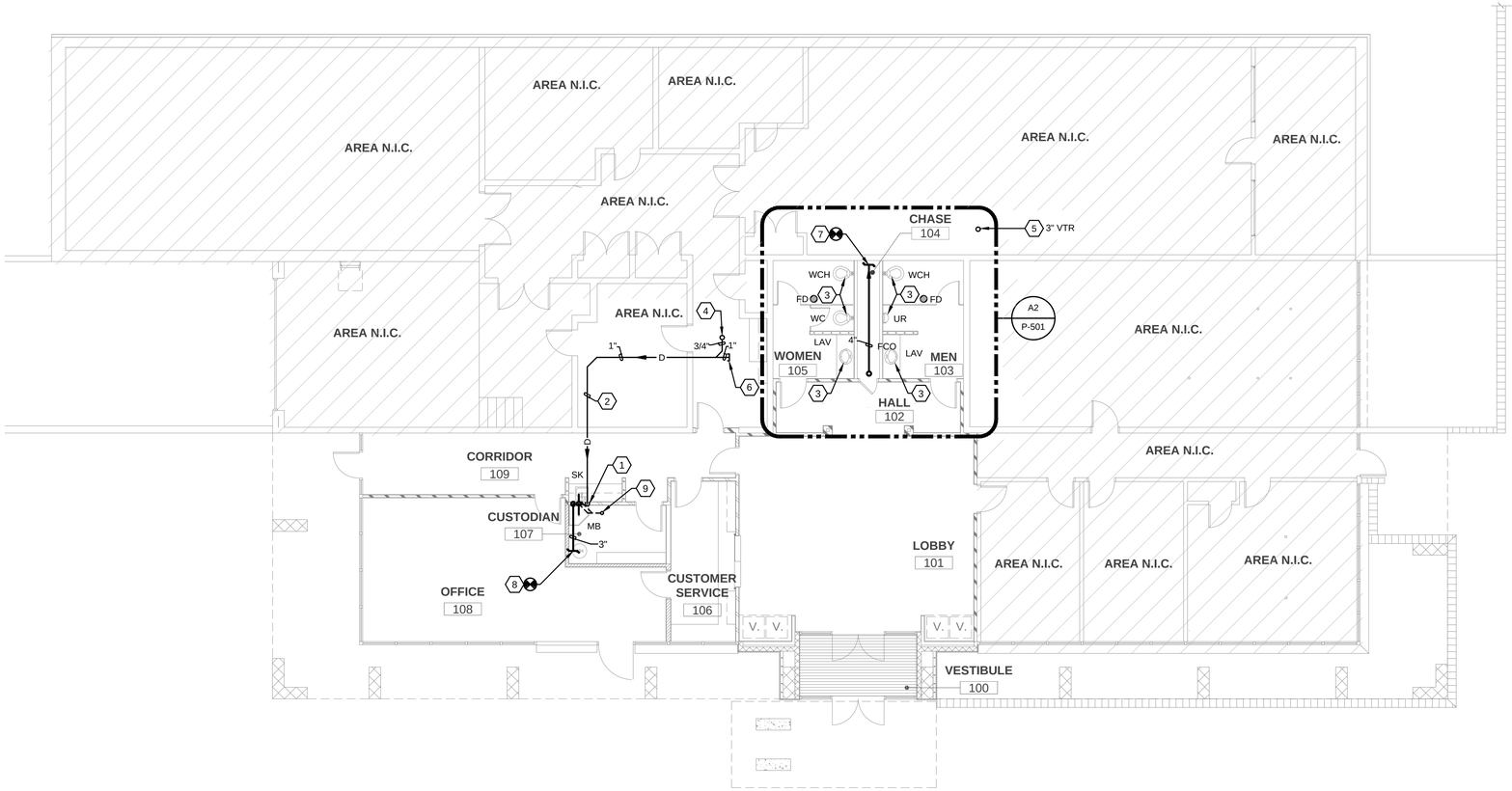
PLUMBING DOMESTIC WATER PLAN

P-101

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A2 PLUMBING WASTE AND VENT PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. **REFER TO SHEET MP-001 FOR GENERAL NOTES.**
B. **CONTRACTOR TO FIELD VERIFY ISICTING CONDITIONS AND EXACT SIZE AND LOCATIONS OF ALL UTILITIES PRIOR TO START OF WORK**
C. **HATCH REPRESENTS AREA N.I.C.**

SHEET KEYNOTES:

1. 1" CONDENSATE DRAIN LINE DOWN IN WALL. ELBOW THROUGH WALL AND TERMINATE AT MOP BASIN WITH MINIMUM 1" AIR GAP.
2. ROUTE CONDENSATE DRAIN PIPING AT 1/8" PER FOOT SLOPE IN ALL HORIZONTAL RUNS.
3. INSTALL NEW PLUMBING FIXTURES AND CONNECT TO NEW PIPING. REFER TO PLUMBING SCHEMATICS FOR ADDITIONAL INFORMATION, SHEET P-501.
4. 3/4" CONDENSATE DRAIN LINE DOWN THROUGH ROOF FROM MECHANICAL EQUIPMENT ON ROOF TOP AND ROUTE AS SHOWN. REFER TO SHEET M-201 FOR CONTINUATION.
5. 3" VENT THROUGH ROOF. OFFSET IN CEILING SPACE AS REQUIRED TO MAINTAIN 10'-0" CLEARANCE FROM ANY BUILDING OPENING AND FRESH AIR INTAKE. COORDINATE EXACT LOCATION WITH PROVISIONS FOR FUTURE RTU'S. REFER TO SCHEMATICS ON SHEET P-501 AND MECHANICAL ROOF PLAN FOR ADDITIONAL INFORMATION.
6. PROVIDE 1" CAPPED CONNECTION FOR FUTURE MECHANICAL EQUIPMENT.
7. CONNECT NEW 4" SEWER TO EXISTING SAME SIZE OR LARGER CORRESPONDING PIPING WITHIN CHASE. CONTRACTOR TO TRENCH AND PROVIDE ALL PIPING/TRANSITIONS AS NEEDED TO MAKE CONNECTION WITHIN CHASE 104 TO EXISTING SEWER LINE.
8. CONNECT NEW 3" SEWER TO EXISTING SAME SIZE OR LARGER CORRESPONDING PIPING. CONTRACTOR TO VERIFY EXACT POINT OF CONNECTION AND TO TRENCH AND PROVIDE ALL PIPING/TRANSITIONS AS NEEDED TO MAKE CONNECTION.
9. 2" VENT THROUGH ROOF. OFFSET IN CEILING SPACE AS REQUIRED TO MAINTAIN 10'-0" CLEARANCE FROM FRESH AIR INTAKE.

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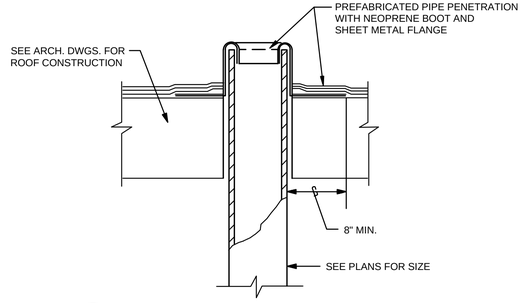
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PLUMBING WASTE AND VENT PLAN

P-102

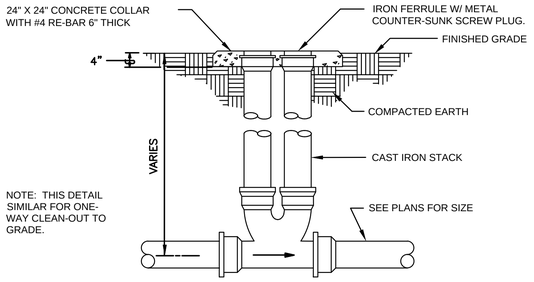
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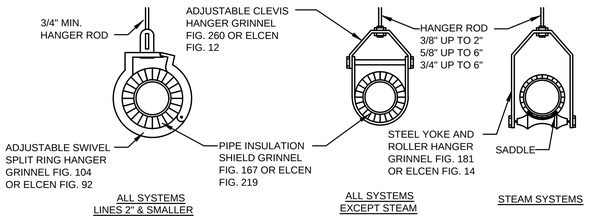
D2 VENT THRU ROOF DETAIL

SCALE: NONE



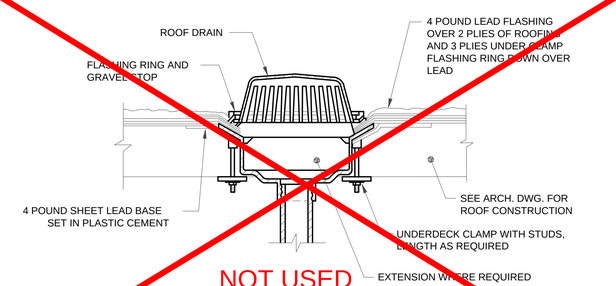
A4 CLEAN OUT DETAIL

SCALE: NONE



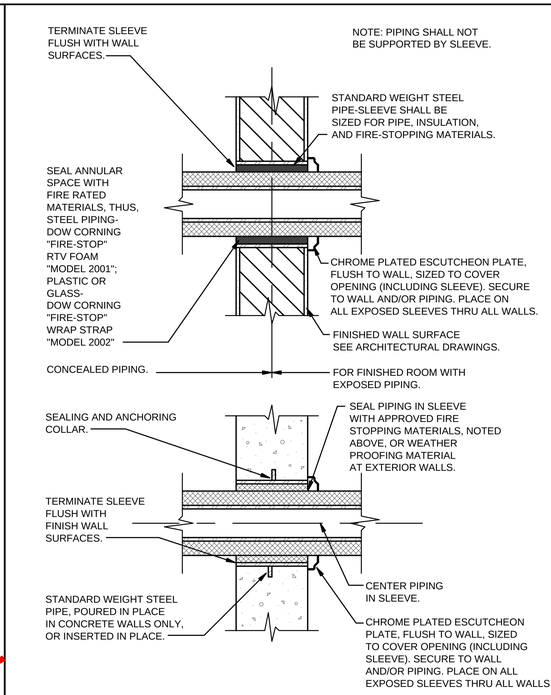
C3 PIPE SUPPORTS DETAIL

SCALE: NONE



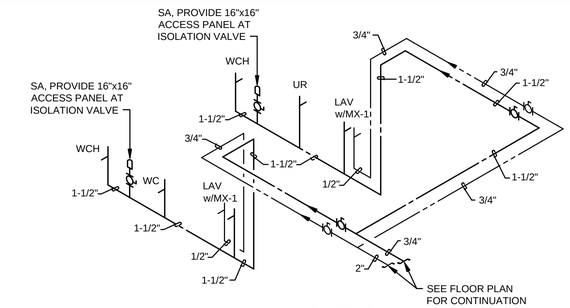
B3 ROOF DRAIN DETAIL

SCALE: NONE

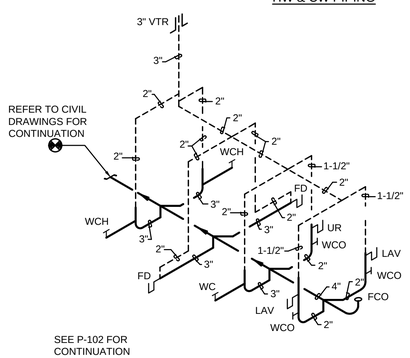


C4 PIPE SLEEVE THRU WALL DETAIL

SCALE: NONE



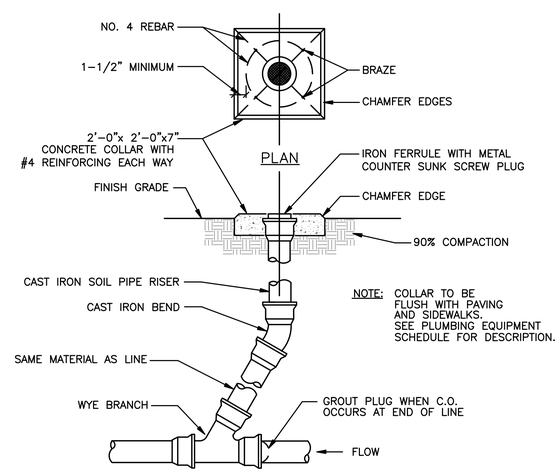
HW & CW PIPING



SOIL & VENT PIPING

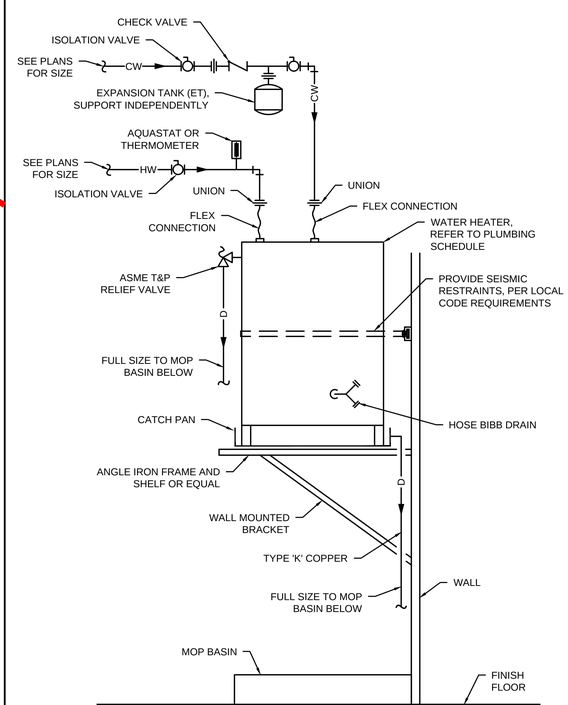
A2 PLUMBING SCHEMATICS

SCALE: NONE



A3 CLEANOUT TO GRADE DETAIL

SCALE: NONE



A4 WATER HEATER DETAIL

SCALE: NONE

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PLUMBING DETAILS AND SCHEMATICS

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PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
WCO	WALL CLEANOUT: J.R. SMITH 4530-Y CAST IRON C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDAL PROOF SCREW.
FCO	FLOOR CLEANOUT: J.R. SMITH 4023, CAST IRON C.O., WITH ROUND SCORIATED TOP.
SA	SHOCK ABSORBER: J.R. SMITH 5005 STAINLESS STEEL, LEAD FREE, SEALED AIR CHARGE, 3/4" IPS, PROPERLY SIZED FOR FIXTURE LOAD AT POINT OF INSTALLATION.
FD	FLOOR DRAIN: JR SMITH 2005-U, CAST IRON BODY WITH NICKEL BRASS STRAINER, CLAMPING COLLAR, AND TRAP SEAL (TS) AND VANDAL-PROOF SCREWS. TRAP 3" VENT 2" CW -- HW --
TS	TRAP SEAL: JONES STEPHENS GREENDRAIN SERIES INLINE FLOOR DRAIN TRAP SEAL. TESTED AND CERTIFIED TO THE ASSE 1072 STANDARD AND LISTED WITH IAPMO AND I.C.C. 3" FLOOR DRAIN TRAP.
MX-1	MIXING VALVE: WATTS 122 SERIES, BRONZE BODY CONSTRUCTION.
RH	ROOF HYDRANT: J.R. SMITH 5906 NON-FREEZE WITH GALVANIZED CASING AND ADJUSTABLE FLOW WHEEL LOCK HANDLE WITH DECH FLANGE AND UNDER DECK CLAMP. TRAP -- VENT-- 3/4" HW --
DF	DRINKING FOUNTAIN: ELKAY MODEL EZTL8C, WALL HUNG BARRIER FREE, DUAL LEVEL UNIT, ONE-PIECE STAINLESS STEEL BASIN WITH INTEGRAL DRAIN GRID AND EMBOSSED BUBBLER PAD, FLEXI-GUARD SAFETY BUBBLER, SELF CLOSING PUSH BAR, CAPABLE OF DELIVERING 8.0 GPH OF 50 DEG. F WATER AT A ROOM TEMPERATURE OF 90 DEG. F, CHROME PLATED CAST BRASS ANGLE SUPPLY WITH LOOSE KEY STOP JR SMITH NO. 0834 FLOOR SUPPORT, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL. TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW --

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
WC	WATER CLOSET: KOHLER, "KINGSTON" K-4325, 1.28 GPF, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNTED, 1-1/2" TOP SPUD, SLOAN ROYAL MODEL 111-1.28 GPF HIGH EFFICIENCY FLUSHOMETER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, AND CONCEALED CLOSET CARRIER WITH 4" SPS OUTLET CONNECTION. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. TRAP -- VENT 2" CW 1" HW --
WCH	WATER CLOSET: KOHLER, "KINGSTON" K-4325, 1.28 GPF, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, WALL-MOUNTED, 1-1/2" TOP SPUD, SLOAN ROYAL MODEL 111-1.28 GPF HIGH EFFICIENCY FLUSHOMETER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, AND CONCEALED CLOSET CARRIER WITH 4" SPS OUTLET CONNECTION. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS (ADA COMPLIANT WHEN INSTALLED AT REQUIRED HEIGHT OF 17" - 19" FROM FLOOR TO TOP OF SEAT). TRAP -- VENT 2" CW 1" HW --
UR	URINAL: KOHLER K-72524-NA (INCLUDES "BARDON K-4904-ET AND K-13519-CP FLUSHOMETER 0.5 GPF), VITREOUS CHINA, PISTON VALVE TECHNOLOGY, WALL URINAL, 3/4" TOP SPUD, VACUUM BREAKER AND CONTROL STOP, J R SMITH NO. 0644 FLOOR SUPPORT, SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION. UNIT SHALL MEET ALL ADA REQUIREMENTS FOR THE PHYSICALLY CHALLENGED. INSTALL WITH RIM 17" ABOVE FINISH FLOOR. TRAP -- VENT 1-1/2" CW 3/4" HW --
LAV	LAVATORY: KOHLER "THOREAU" MODEL K-2907-8 CAST IRON 8" CENTERS, DROP-IN LAVATORY WITH OVAL BASIN AND FRONT OVERFLOW, WITH KOHLER FORTE K-10269-4 FAUCET, ADA COMPLIANT LEVER HANDLES, POP-UP DRAIN WITH LIFT ROD AND TAILPIECE, VANDAL-RESISTAN AERATOR, 1-1/4" TAILPIECE, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE-TO-WALL, INSULATE ALL WATER PIPING AND TRAP BELOW LAVATORY WITH PLUMBEREX "PRO-EXTREME UNDER LAV. PROVIDE AND INSTRALL (MX-1) WATTS 122 SERIES OR CODE APPROVED MIXING VALVE AT EACH LAVATORY. PROTECTOR, SINK SIZE 24" X 18". TRAP 1-1/4" VENT 1-1/2" CW 1/2" HW 1/2"
SK	SINK: ELKAY "LUSTERTONE" LR-1517 SINGLE COMPARTMENT 18 GAUGE TYPE 302 STAINLESS STEEL, SELF-RIMMING, UNDERSIDE UNDERCOATED, SINGLE FAUCET HOLE, T&S BRASS NO. B-0301 DUAL HANDLE FAUCET WITH GOOSENECK SWING SPOUT AND B-0199-06F, 1.5 GPM AERATOR, LK-35 DUO-STRAINER WITH 1-1/2" TAILPIECE, CHROME PLATED CAST BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME PLATED CODE APPROVED ADJUSTABLE "P" TRAP WITH WASTE TO WALL. SINK SIZE 15" X 17-1/2" X 7-5/8" DEEP. TRAP 1-1/2" VENT 1-1/2" CW 1/2" HW 1/2"
MB	MOP BASIN: FIAT MODEL MSB 2424, SIZE 24 " X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH FACTORY INSTALLED DRAIN BODY WITH QDC-3 JOINT CONNECTOR, NEOPRENE GASKETS AND COMBINATION DOME STRAINER-LINT BASKET CONSTRUCTED OF 302 16-GAUGE STAINLESS STEEL, T&S BRASS NO. B-0665-BSTP FAUCET WITH VACUUM BREAKER, INTEGRAL STOP WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT AND #889-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
WH	WATER HEATER: BRADFORD WHITE MODEL M-2-30U6 OR EQUAL, PROVIDE SEISMIC BRACING, UNIT SHALL BE 30 GALLON CAPACITY, ANODE ROD, 120 VOLT AC, 1500 WATT, SINGLE ELEMENT, 7 G.P.H. RECOVERY AT 90 DEG. TEMPERATURE RISE, COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE. 3/4" WATER INLET AND OUTLET CONNECTIONS.

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PLUMBING SCHEDULE

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FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION/ LOCATION	LED LAMPING - 4000K			MOUNTING INSTRUCTIONS	REMARKS
				WATTS	LUMENS	LPW		
A	METALUX	#24CZ-LD4-50-UNV L840-CD-1	2X4 LED TROFFER	44.5	5,199	117	RECESSED GRID	
B	HALO	#H5501CAT-ML561 128040-592H	6" LED DOWN LIGHT	17.5	1,584	90.5	RECESSED	
C	METALUX	#14CZ-LD435-UNV L840-CD-1	1X4 LED TROFFER FLANGE KIT	36.2	3,480	96	RECESSED HARD CEILING	
D	CORELITE	#DSI-WS-2L40-1-D-UNV-AC48-ST-8-DC	8' LED LINEAR PENDANT	45.2	4,622	102	PENDANT	
E	METALUX	#14CZ-LD435-UNV L840-CD-1	1X4 LED TROFFER FLANGE KIT	36.2	3,480	96	RECESSED HARD CEILING	
F	HALO	#HU10-48-D-9-40-P	4' LED UNDER COUNTER LIGHT	14.3	1,320	92	UNDERCOUNTER	
G	METALUX	#4SLSTP2040DD-UNV	4' LED STRIPLIGHT	22.7	2,000	96	CHAIN HANG/ AC CABLE STRUCTURE	
EXIT	ISOLITE	#RLP-R-U-WW-RHLED2	LED EXIT LIGHT WITH DUAL HEAD	-----	-----		WALL ABOVE DOOR	
EM	SURELITE	#LEM	EMERGENCY LIGHT	-----	-----		WALL - 8'-0" AFF	
EMWP	SURELITE	#AEL2-46-WH	EXTERIOR WP EMERGENCY LIGHT	-----	-----		WALL - 8'-0" AFF	

ELECTRICAL GENERAL NOTES

A. PERFORM ALL ELECTRICAL WORK IN NEAT WORKMANLIKE MANNER IN FULL COMPLIANCE WITH ALL APPLICABLE, ADOPTED, CODES; INCLUDING BUT NOT LIMITED TO THE 2014 NATIONAL ELECTRICAL CODE (NEC), UBC, NFPA, AND ADA. ALL LOCAL AND STATE REQUIREMENTS WILL BE OBSERVED DURING THE PERFORMANCE OF THIS WORK.

B. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING.

C. AFTER COMPLETION OF THE INSTALLATION, THE ENTIRE SYSTEM SHALL BE THROUGHLY CLEANED. REMOVE ALL FOREIGN MATTER, PAINT, OR DIRT, GREASE, UNNEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FOR THE PREMISES.

D. ALL PHASES OF THE ELECTRICAL WORK SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR. WORK SHALL BE PERFORMED TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO THE OWNER.

E. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL DEVICE LOCATIONS WITH ARCHITECTURAL CASE WORK DETAILS PRIOR TO ANY ROUGH-IN.

F. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL LOCATIONS OF ALL SINKS WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. ANY ELECTRICAL DEVICES LOCATED ABOVE COUNTER AND BEHIND FINAL SINK LOCATIONS SHALL BE SHIFTED A MINIMUM OF 8" TO EITHER SIDE OF SINK. ANY ELECTRICAL DEVICES LEFT BEHIND SINK AT THE TIME OF FINAL ELECTRICAL WALK THROUGH SHALL BE RELOCATED AT ELECTRICAL CONTRACTOR'S EXPENSE.

G. THE EXACT LOCATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH OTHER TRADES PRIOR TO ANY INSTALLATION. WHERE EXACT LOCATIONS ARE NECESSARY, THEY ARE DIMENSIONED ON THESE DRAWINGS. WHERE THERE IS A QUESTION OF ADEQUATE CLEARANCE OR COORDINATION BETWEEN TRADES, THIS CONTRACTOR SHALL PREPARE AS BUILT DRAWINGS FOR ENGINEERS REVIEW.

H. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS TYPE THHN/THWN, INSULATION, UNLESS OTHERWISE INDICATED MINIMUM WIRE SIZE SHALL BE #12 AWG AND STRANDED FOR #10 AWG OR LARGER. ALL WIRING SHALL BE RUN IN CONDUIT INCLUDING LOW VOLTAGE AND CONTROL WIRING, UNLESS OTHERWISE NOTED.

I. GENERALLY, CONDUIT SHALL BE EMT, 1/2 INCH MINIMUM. WHERE REQUIRED TO PROTECT FROM PHYSICAL DAMAGE, CONDUIT SHALL BE RIGID OR IMC TYPE. RUN CONDUIT CONCEALED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. USE FLEXIBLE METALLIC CONDUIT OR SURFACE MOUNTED RACEWAY ONLY WHERE INDICATED. PROVIDE EXPANSION FITTINGS FOR CONDUIT CROSSING EXPANSION JOINTS.

J. SUPPORT ALL CONDUIT INDEPENDENTLY FROM THE BUILDING STRUCTURE. DO NOT SUPORT FROM VENTILATION DUCTS, MECHANICAL PIPING, SUSPENDED CEILING GRIDS, OR THEIR HANGERS. USE ONLY ACCEPTABLE METHODS OF SUPPORT.

K. TERMINATING AND SPLICING: ALL #10 GA AND SMALLER JOINTS AND SPLICES IN BRANCH CIRCUIT WIRING SHALL BE MADE WITH AN APPROVED, SOLDERLESS TOOL. APPLICATION OR TWIST ON CONNECTORS: #8 GA AND LARGER WITH HIGH COMPRESSION BARREL SPLICES WITH SHRINK WRAP AND MANUFACTURER'S COMPATIBLE CONNECTORS IN GUTTERS, AND SIMILAR LOCATIONS; AND NOTE ALLOWED IN RACEWAYS.

L. EMT CONDUIT FITTINGS: IN DRY LOCATIONS ALL EMT COUPLERS AND CONNECTORS SHALL BE STEEL SET SCREW TYPE OR "REGAL" DIE CAST SET SCREW COUPLINGS AND CONNECTORS. DIE CAST FITTINGS SHALL NOT BE USED ON THIS PROJECT. DAMP/WET LOCATIONS USE STEEL COMPRESSION GLAND TYPE COUPLER AND CONNNECTIONS.

M. TYPE NM (ROMEX CABLE) NMC&MC CABLE WILL NOT BE ALLOWED ON THIS PROJECT.

N. IN ADDITION TO RACEWAY BONDING REQUIRED BY CODE AND OUTLET BOX BONDING JUMPERS, CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT.

O. SIZE ALL BOXES AND ENCLOSURES PER THE NATIONAL ELECTRICAL CODE. WORKING SPACE FOR ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.

P. BRANCH CIRCUITS: UTILIZE #10 CONDUCTORS ON ALL RUNS OVER 100'-0".

SYMBOL LEGEND

- CEILING OR WALL BRACKET FIXTURE. SEE FIXTURE SCHEDULE.
- FLUORESCENT OUTLET AND FIXTURE. SEE FIXTURE SCHEDULE.
- 2X4 LED OUTLET AND FIXTURE. SEE FIXTURE SCHEDULE.
- 2X2 SURFACE MOUNTED FLUORESCENT
- 1X4 WALL MOUNT FLOURESCENT FIXTURE
- EXIT LIGHT. ARROWS INDICATE DIRECTIONAL ARROW ON FIXTURE.
- EM — EMERGENCY EGRESS LIGHTING FIXTURE WITH BATTERY PACK, SEE LIGHTING FIXTURE SCHEDULE, MH= 7'- 6" TO BOTTOM
- $ — SINGLE POLE WALL SWITCH, UP +48" AFF.
- $T — THERMAL O.L. SWITCH
- $OS — OCCUPANCY SENSOR SWITCH UP AT STANDARD HEIGHT +48" AFF.
- $D — DIMMER SWITCH. SEE PLANS AND SPECS FOR CHARACTERISTICS
- $K — KEYED SWITCH, UP +48". SEE PLANS
- $3 — THREE WAY SWITCH, UP +48" TO CENTER.
- DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE, UP +15" UNLESS OTHERWISE INDICATED
- FOURPLEX CONVENIENCE OUTLET, GROUNDING TYPE, UP +15" UNLESS OTHERWISE INDICATED
- 250V-2P-4W SPECIAL PURPOSE GROUNDING OUTLET. AMPERAGE AS INDICATED.
- JUNCTION BOX FLUSH IN WALL WITH CONNECTION TO EQUIPMENT.
- J-BOX ABOVE LAY-IN CEILING W/ FLEX CONDUIT TO LAY-IN FIXTURES
- TELEPHONE OUTLET, UP +18" UNLESS OTHERWISE INDICATED.
- COMBINATION DATA/VOICE, TWO GANG BOX MOUNTED +18" AFF OR COUNTER TOP OR AS NOTED. PROVIDE 3/4" EMPTY CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING SPACE. DATA/VOICE CABLING AND DEVICE BY OWNER.
- —T→ TELEPHONE CONDUIT TO BACKBOARD, 1" MIN. WITH PULL WIRE.
- —C→ COMPUTER CONDUIT, 1" MIN. WITH PULL WIRE.
- —TV→ TELEVISION CONDUIT, 1" MIN. WITH PULL WIRE.
- DISCONNECT SWITCH. SIZE AND POLES FOR LOAD CONNECTED.NEMA 3R
- SPECIAL SYSTEMS CABINET W/ HINGED DOOR AND KEYED LOCK
- SURFACE MOUNTED PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
- FLUSH MOUNTED PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.
- T — PAD MOUNTED TRANSFORMER
- GROUND
- MOTOR CONNECTION, FRACTIONAL H.P (LESS THAN 1/3 HP)
- MOTOR CONNECTION WITH HP INDICATED.
- BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED. (NEUTRAL, HOT, SWITCHED, AND GROUNDING CONDUCTOR-LEFT TO RIGHT RESPECTIVELY)
- BRANCH CIRCUIT IN WALLS OR UNDER FLOOR, CONDUCTORS INDICATED.
- A-1 — HOME RUN TO PANEL, WITH BRANCH CIRCUIT NUMBERS INDICATED.
- KEYED NOTE SYMBOL
- MECHANICAL EQUIPMENT SYMBOL

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

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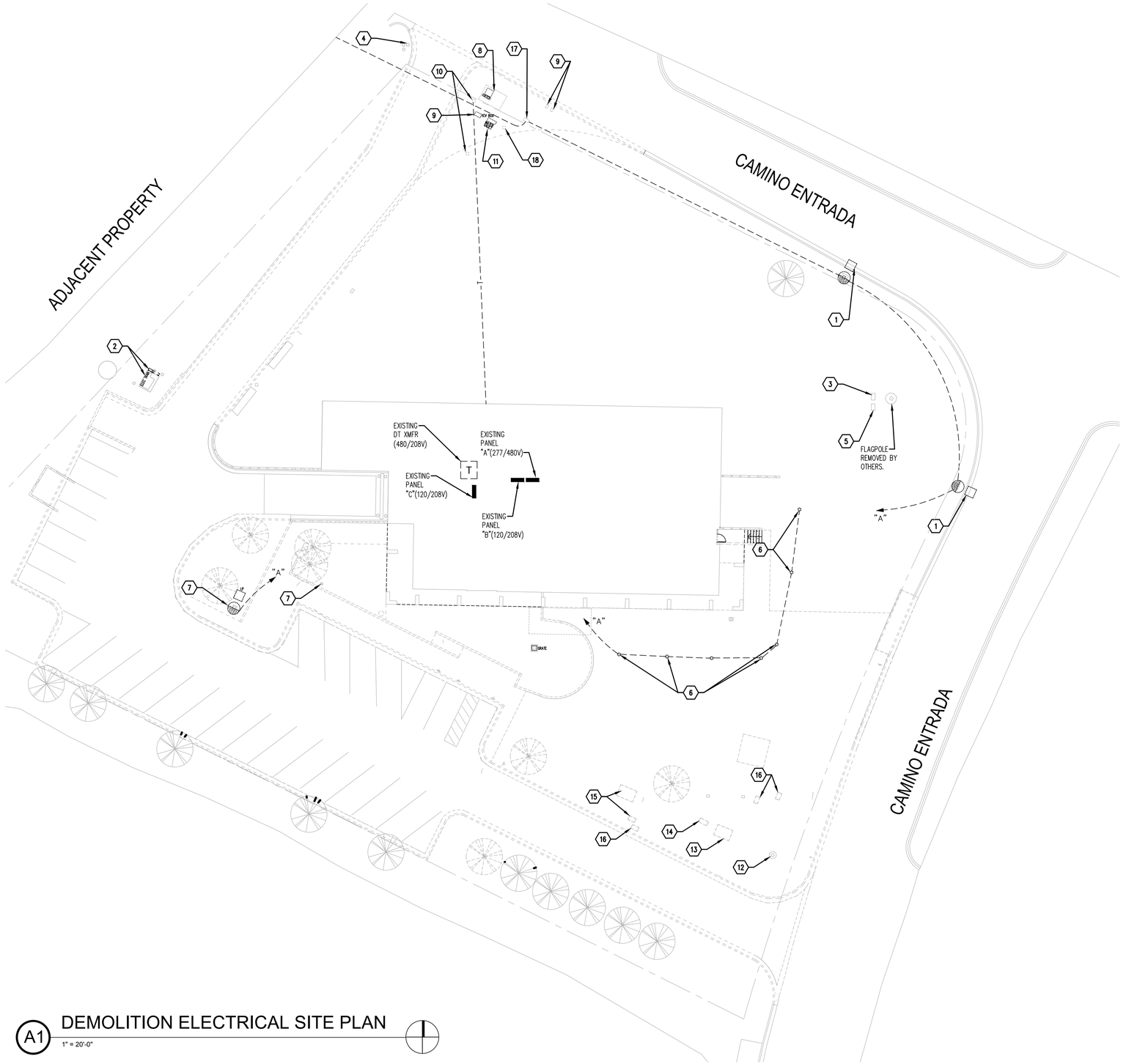
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3	02/01/18	CITY COMMENTS
2	12/04/17	100% CD REVIEW
1	02/24/17	95% REVIEW SUBMITTAL

FIXTURE SCHEDULE GENERAL NOTES

E-001

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A1 DEMOLITION ELECTRICAL SITE PLAN

1" = 20'-0"

GENERAL NOTES:

A. THE CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WITH EXISTING CONDITIONS, PRIOR TO BID, AND SHALL INCLUDE ALL WORK REQUIRED TO COMPLETELY DISCONNECT ASSOCIATED EQUIPMENT AND TO COMPLETELY REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT WHERE REQUIRED. ABANDON CONDUIT IN PLACE WHERE NOT ACCESSIBLE AND FIELD VERIFY ALL CONDITIONS PRIOR TO START OF ANY WORK.

B. COMPUTER/DATA/PHONE CABLES SHALL BE REROUTED IF NECESSARY. CABLES SHALL BE RELOCATED PER OWNER REPRESENTATIVE REQUIREMENTS.

C. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT TO BE REMOVED.

D. ALL EQUIPMENT REMOVED, NOT CLAIMED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY DISPOSE OF ELECTRICAL EQUIPMENT REMOVED.

F. COORDINATE DEMOLITION FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED. ALL ELECTRICAL EQUIPMENT DOWNSTREAM, WHICH WILL REMAIN, AND OUT OF THE DEMOLITION AREA, SHALL REMAIN "ON" AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE GENERAL DEMOLITION WITH THE OWNER TO AVOID PROBLEMS WITH CIRCUITS BEING DISCONNECTED AND REMOVED WHICH MAY AFFECT OTHER AREAS OUTSIDE OF THE WORK AREA.

J. NOT ALL OUTLETS/DEVICES TO REMAIN ARE SHOWN ON THE PLAN. DURING THE DEMO PROCESS, COORDINATE REMAINING DEVICES WITH ARCHITECT IN THE FIELD. RE-FEED ALL LIGHTING/DEVICES TO REMAIN THAT ARE DISCONNECTED DURING DEMO.

K. EVERYWHERE IN THIS AREA, FOR THE DURATION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR DISCONNECT AND RECONNECT OF BRANCH CIRCUITS AND REPLACEMENT OF ELECTRICAL MATERIALS AND LABOR TO RESTORE COMPLETE AND OPERATIONAL SYSTEMS. THIS INCLUDES THE CORRECTION OF ANY CODE DEFICIENCIES RELATED TO RENOVATIONS ON THIS PROJECT.

L. COORDINATE WITH ARCHITECT/ENGINEER AND FIELD VERIFY STATUS OF DEVICES, OUTLETS, CONDUIT AND WIRE AS A RELOCATION, DEMOLITION, OR TO REMAIN. FIELD VERIFY RE-FEEDING EXISTING DEVICES, RE-ROUTING OR NEW CIRCUITING. FIELD VERIFY CAPACITY OF CIRCUITS TO COMBINE NEW AND EXISTING LIGHTING/POWER AND INTERCEPTED CIRCUITS. COMPLY AS REQUIRED FOR CODE RESTRICTIONS AND SPECS.

P. PROVIDE NEW CIRCUIT BREAKERS OF THE SAME TYPE OR BLANK SPACE COVERS AS MAY BE NECESSARY TO FILL PANEL FOR SAFETY. FIELD SURVEY CIRCUITS THAT MAY BE ABANDONED. RELOCATE, IF NECESSARY, CIRCUIT RUNS EXPOSED BY DEMO WORK THAT SHALL BE KEPT OPERATIONAL.

Q. DISCONNECT POWER TO ELECTRICAL CIRCUITS AND EQUIPMENT IN THESE AREAS ENTIRELY BACK TO PANEL CIRCUIT BREAKER PER THE KEYED NOTES. DISCONNECT AND REMOVE ALL EXISTING CONDUIT, CONDUCTORS, CABLE, CONTROLS, AND BOXES, ETC. FOR THIS DEMO AS NOTED. THE ONLY EXCEPTION WILL BE FOR NEW CONTROLS AND DEVICES WHERE EXISTING AND UNDAMAGED BOXES/CONDUIT CAN BE UTILIZED BY THE CONTRACTOR. THE CONTRACTOR SHALL REFER TO NEW WORK PLANS AND SPECIFICATIONS IN ALL DIVISIONS THAT RELATE TO ELECTRICAL WORK IN THIS PROJECT. COORDINATE DEMOLITION AND INSTALLATION WITH FIELD CONDITIONS AS THEY MAY APPLY. ALL EQUIPMENT SHALL BE MADE OPERATIONAL-NO EXCEPTIONS. COORDINATE WITH REPRESENTATIVES OF THE OWNER, ARCHITECT, AND ENGINEERS FOR CONDUIT LOCATION AND TERMINATION POINTS IF NOT SPECIFIED ON PLANS.

R. ALL ELECTRICAL SHOWN IS EXISTING TO THE BEST FIELD CONDITIONS. COORDINATE WITH C-101, L101 AND ALL OTHER TRADES PRIOR TO BE REMOVAL OF ANY ELECTRICAL PANELS, IN GROUND PULL BOXES, CONDUIT OR CONDUCTORS/CABLE IF ANY.

SHEET KEYNOTES:

1 EXISTING LIGHT POLE REMAINS.
2 EXISTING RACK MOUNT CT/METER CANS/TRANSFORMER AND CONCRETE PAD TO REMAIN COMPLETE W/BOLLARDS.
3 REMOVE EXISTING ELECTRICAL PULL BOX.
4 EXISTING TELEPHONE PEDESTAL AND BOLLARDS TO REMAIN.
5 REMOVE EXISTING UNDERGROUND UTILITY BOX. (NOT MARKED).
6 REMOVE EXISTING LIGHT FIXTURE AND UNDERGROUND CONDUCTORS, CONDUIT COMPLETE BACK TO SOURCE. FIELD VERIFY.
7 REMOVE POLE, LIGHT AND CONCRETE FOOTING WITH UNDERGROUND CONDUIT AND CONDUCTORS COMPLETE BACK TO PANEL. FIELD VERIFY.
8 EXISTING UNDERGROUND UTILITY CONCRETE VAULT/PAD WITH HATCH ACCESS COVER. SEE SITE PLAN C-101.
9 EXISTING IRRIGATION CONTROL BOX. SEE LANDSCAPE DRAWING C101.
10 REMOVE AND RELOCATE TELEPHONE PEDESTAL TO NEW LOCATION AS SHOWN ON SITE PLAN. COORDINATE WITH CENTURY LINK TELEPHONE COMPANY.
11 REMOVE 120V POWER TO WATER VAULT BOX AND EXTEND TO NEW LOCATION OR AS REQUIRED PER THE IRRIGATION PLAN LI-101 SITE PLAN, APPROXIMATELY 100' SOUTHEAST UTILIZE SAME CIRCUIT AS PREVIOUS OR CONNECT TO CIRCUIT C-28. COORDINATE WITH LANDSCAPE CONTRACTOR.
12 REMOVE SECURITY CAMERA, CONDUIT/CONDUCTORS BACK TO SOURCE. COORDINATE WITH C101 PRIOR TO START OF WORK.
13 REMOVE FIBER OPTIC UNDERGROUND BOX.
14 REMOVE ELECTRICAL PANEL COMPLETE. ABANDON CONDUIT IN PLACE.
15 REMOVE ELECTRICAL PULL BOX. VERIFY EXISTING UTILITY PRIOR TO START OF WORK.
16 REMOVE ELECTRICAL UNDERGROUND UTILITY PULL BOX. (VERIFY TYPE OF UTILITY AND WORK REQUIRED PRIOR TO EXCAVATION).
17 REMOVE UNDERGROUND PULL BOX AND PROVIDE WITH NEW UNDERGROUND HEAVY DUTY TRAFFIC RATED PULL BOX, WITH COVER TO BE FLUSH WITH TOP OF NEW CONCRETE/ASPHALT DRIVE. COORDINATE WITH C101.
18 REMOVE EXISTING PEDESTAL & VERIFY TYPE OF UTILITY AND WORK REQUIRED PRIOR TO START OF WORK.

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	BAT
REVIEWED BY:	FJT
APPROVED BY:	FJT

ISSUE DRAWING LOG:

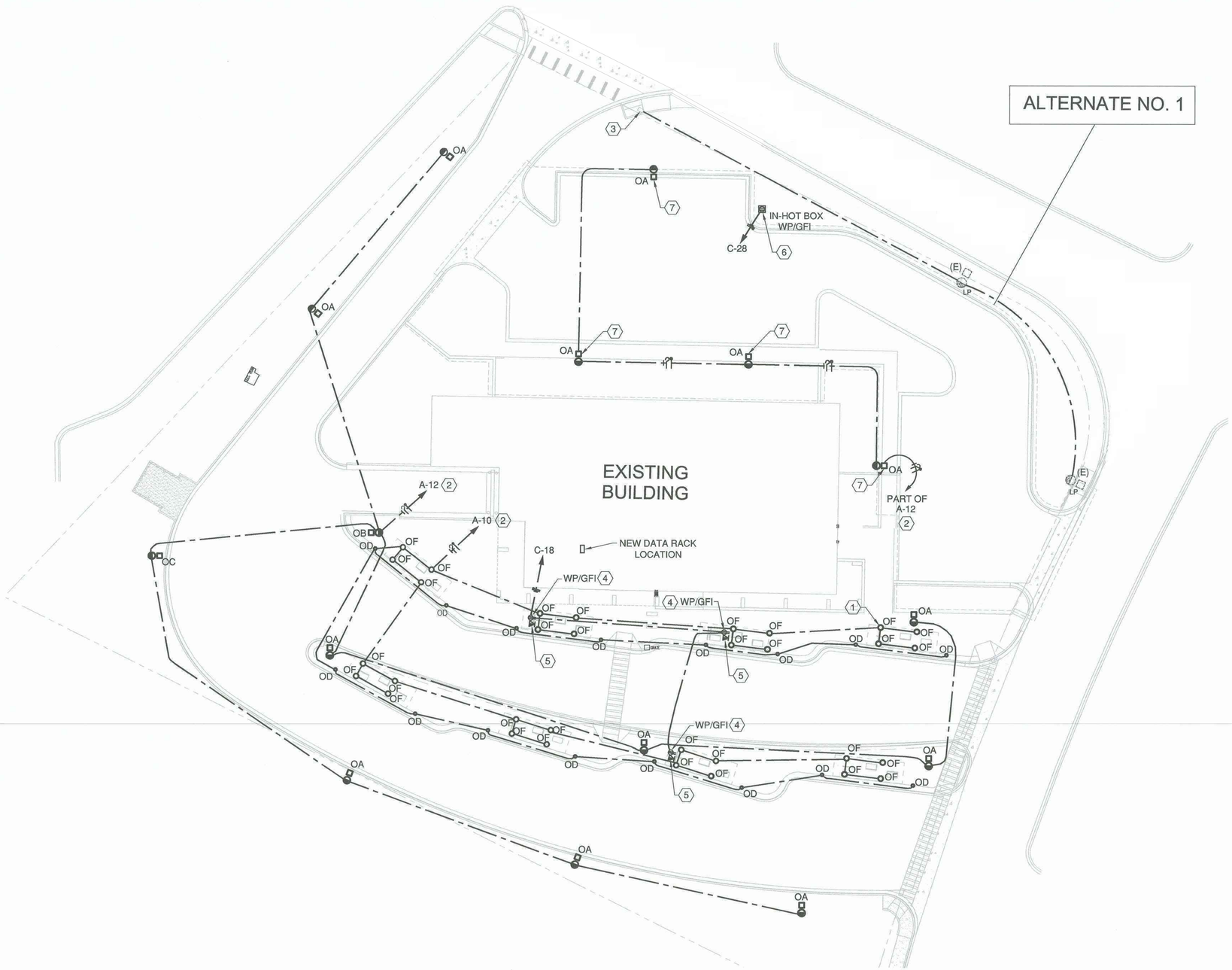
2	07/30/2020	BID DOCUMENTS
1	04/29/16	95% REVIEW SUBMITTAL

ELECTRICAL DEMO SITE PLAN

ES-101

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A1 ELECTRICAL SITE PLAN

1" = 20'-0"

GENERAL NOTES:

A. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER EXISTING UTILITIES IN THIS WORK AREA PRIOR TO BID AND PRIOR TO INSTALLATION OF EQUIPMENT, PADS AND UNDERGROUND CONDUIT.

B. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL TRENCHING, BACKFILL AND COMPACTION OF ELECTRICAL NEW WORK. COORDINATE WITH RESPECTIVE UTILITIES PRIOR TO START OF WORK. PROVIDE MINIMUM 15" SEPARATION BETWEEN ELECTRICAL AND COMMUNICATION CABLES. VERIFY WITH RESPECTIVE UTILITY COMPANIES FOR EXISTING UNDERGROUND LOCATIONS AND COMPLY AS REQUIRED.

C. PROVIDE ALL TRENCHING, BACKFILL AND COMPACTION FOR ALL UNDERGROUND CONDUIT/CABLE RUNS. TRENCH DEPTH SHALL BE MINIMUM OF 36" FOR SECONDARY.

D. PRIOR TO RE-LOCATION OF ANY CONDUIT/CABLE, THE CONTRACTOR SHALL STAKE ALL OTHER SITE UTILITIES INCLUDING SEWER, WATER, GAS, ETC.

E. ALL EXTERIOR LIGHTING SHALL COMPLY WITH THE STATE OF NEW MEXICO "DARK SKIES ENFORCEMENT ACT" AND SHALL ALSO COMPLY WITH THE "CITY OF SANTA FE LIGHTING ORDINANCES."

F. LABEL ALL EXTERIOR LIGHTING CONTACTORS WITH ENGRAVED MICARTA NAMEPLATES INDICATING EXTERIOR LIGHTING CONTROLLED AND CIRCUIT NUMBERS EXTENDING THROUGH THE CONTACTOR. NAMEPLATE SHALL HAVE A MINIMUM OF .5" HIGH WHITE LETTERS ON BLACK BACKGROUND.

SHEET KEYNOTES:

1 SURFACE LIGHT MOUNTED IN CEILING BUS SHELTER CANOPY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL.
2 TO CIRCUIT INDICATED VIA EXTERIOR LIGHTING CONTACTOR/TIME CLOCK. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
3 PROVIDE HEAVY DUTY, TRAFFIC RATED UNDERGROUND PULL BOXES WITH HEAVY DUTY TRAFFIC RATED COVERS. REFER TO DEMO SITE PLAN.
4 DIGITAL DISPLAY PANEL; PROVIDE WP/GFI TAMPER PROOF RECEPTACLE AND DATA AT BUS SHELTER, DISPLAY PANEL LOCATION. COORDINATE EXACT LOCATION WITH BUS SHELTER/DISPLAY PANEL INSTALLER PRIOR TO START OF WORK.
5 DATA; PROVIDE WEATHERPROOF 4" SQUARE J-BOX WITH 1" C. AND PULL STRING FROM EACH DATA TO NEW DATA RACK LOCATION IN BUILDING FOR THIS ADDITION, APPROXIMATELY 126' NORTH, PLUS/MINUS.
6 PROVIDE WEATHER PROOF, GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN HOT BOX PER MANUFACTURER'S DIRECTION OR ON WEATHER RESISTANCE UNISTRUT AND ROUTE TO PANEL INDICATED. COORDINATE WITH EXISTING CONDITIONS, OTHER UTILITIES AND LANDSCAPE ARCHITECT.
7. PROVIDE LIGHTING IN THIS PARKING AREA AS AN ALTERNATE NO. 1. COORDINATE WITH ARCHITECTURAL.

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02/07/18

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SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

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3	02/01/18	CITY COMMENTS
2	12/04/17	100% CD REVIEW
1	02/24/17	95% REVIEW SUBMITTAL

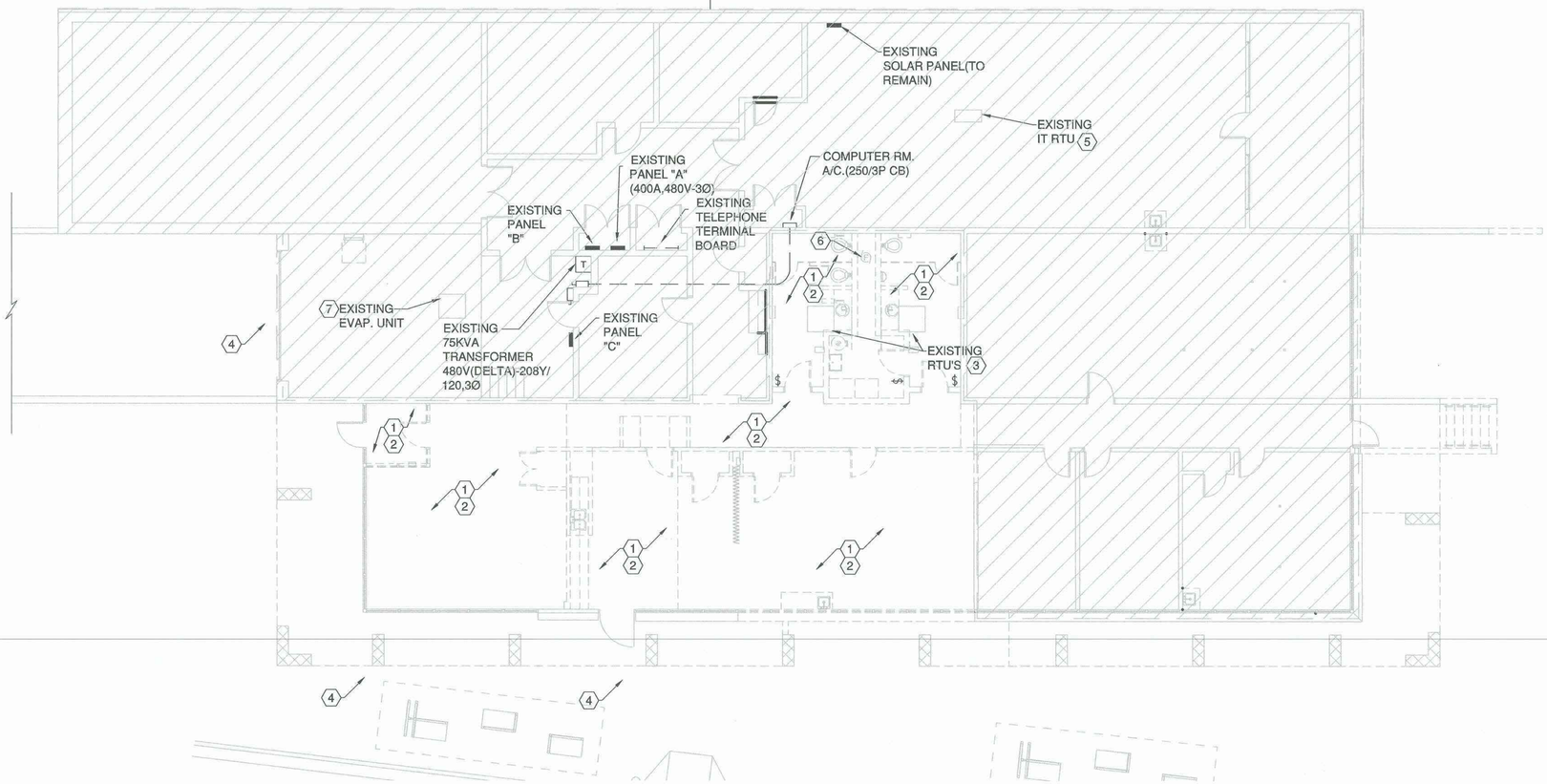
ELECTRICAL SITE PLAN

ES-102

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NO WORK REQUIRED IN THIS AREA
(UNLESS NOTED OTHERWISE)



A1 ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

SHEET KEYNOTES:

1. REMOVE ALL EXISTING RECEPTACLES, LIGHTING, SWITCHES, DATA, CONDUIT AND WIRES BACK TO EXISTING SOURCE. FIELD VERIFY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING ALL EXISTING BRANCH CIRCUITS, TO CORRECTLY IDENTIFY ALL EXISTING HOMERUN'S AND PANEL CIRCUITS CONNECTED TO EXISTING PANEL DIRECTORIES ARE NOT UPDATED AND CONTRACTOR SHALL PROVIDE CORRECT AND UP TO DATE TYPEWRITTEN PANEL DIRECTORIES FOR ALL POWER & LIGHTING BRANCH CIRCUITS WITHIN THE WORK AREA SPACE. COORDINATE RELATED WORK WITH BUILDING MANAGEMENT AND PROVIDE AS-BUILT EXISTING CONDITIONS.
3. REMOVE EXISTING ELECTRICAL FROM RTU'S COMPLETE BACK TO SOURCE. COORDINATE WITH MECHANICAL PRIOR TO START OF WORK.
4. REMOVE EXISTING EXTERIOR BUILDING LIGHT FIXTURE, WIRE, CONDUIT COMPLETE BACK TO PANEL. COORDINATE WITH ARCHITECTURAL.
5. EXISTING FAN COIL UNIT TO REMAIN COMPLETE.
6. EXISTING EXHAUST FAN ELECTRICAL TO BE REMOVED COMPLETE BACK TO SOURCE. COORDINATE WITH MECHANICAL.
7. EXISTING ELECTRICAL TO EVAPORATIVE COOLER & TSTAT TO BE REMOVED COMPLETE BACK TO SOURCE. COORDINATE WITH MECHANICAL.

DEMO GENERAL NOTES:

A. THE CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WITH EXISTING CONDITIONS, PRIOR TO BID, AND SHALL INCLUDE ALL WORK REQUIRED TO COMPLETELY DISCONNECT ASSOCIATED EQUIPMENT AND TO COMPLETELY REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING, WHERE REQUIRED.

B. COMPUTER/DATA/PHONE CABLES SHALL BE REROUTED IF NECESSARY. CABLES SHALL BE RELOCATED PER OWNER REPRESENTATIVE REQUIREMENTS.

C. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT TO BE REMOVED.

D. ALL EQUIPMENT REMOVED, NOT CLAIMED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY DISPOSE OF ELECTRICAL EQUIPMENT REMOVED.

F. NOT ALL BUILDING DETAILS AND BRANCH CIRCUIT CONDUIT/WIRING TO BE REMOVED ARE SHOWN ON THE PLANS. THE CONTRACTOR MAY REQUEST, AT HIS DISCRETION, TO REVIEW EXISTING ELECTRICAL, MECHANICAL, AND ARCHITECTURAL PLANS, AT THE OFFICE OF THE ARCHITECT.

G. COORDINATE DEMOLITION FOR EXISTING ELECTRICAL EQUIPMENT BEING REMOVED. ALL ELECTRICAL EQUIPMENT DOWNSTREAM, WHICH REMAIN, AND OUT OF THE DEMOLITION AREA, SHALL REMAIN "ON" AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE GENERAL DEMOLITION WITH THE OWNER TO AVOID PROBLEMS WITH CIRCUITS BEING DISCONNECTED AND REMOVED WHICH MAY AFFECT OTHER AREAS OUTSIDE OF THE WORK AREA.

H. THE CONTRACTOR SHALL FIELD SURVEY OUTLETS TO REMOVE AND WHICH OUTLETS OR DEVICES REMAIN PRIOR TO BID. NOT ALL OUTLETS/DEVICES TO BE REMOVED ARE SHOWN ON THE PLAN. DURING DEMO PROCESS, COORDINATE REMOVALS WITH ARCHITECT IN THE FIELD. RE-FEED ALL OUTLETS THAT ARE DISCONNECTED DURING DEMO THAT SHALL REMAIN TO NEAREST AVALABLE RECEPTACLE CIRCUIT. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY CAPACITY OF CIRCUITS TO COMBINE NEW AND EXISTING RECEPTACLES AND INTERCEPTED CIRCUITS. COMPLY AS REQUIRED FOR CODE RESTRICTIONS AND SPECS.

J. THE CONTRACTOR SHALL SURVEY SPACES ABOVE CEILING FOR UPGRADE WORK OF DEFICIENT EXISTING ELECTRICAL EQUIPMENT. THIS REMEDIAL ABOVE CEILING WORK MAY INCLUDE PROVIDING ADEQUATE CONDUIT SUPPORTS, REPLACING CODE DEFICIENT FLEXIBLE ELECTRICAL POWER CABLE, PROVIDING MISSING JUNCTION BOX COVERS, REPAIRING BROKEN OR SEPARATED CONDUIT, AND PROVIDING EXTENSION RINGS FOR OVER-CROWDED JUNCTION BOXES. ALL THIS WORK SHALL BE INCLUDED IN THE BID PRICE.

K. NOT ALL OUTLETS/DEVICES TO REMAIN ARE SHOWN ON THE PLAN. DURING THE DEMO PROCESS, COORDINATE REMAINING DEVICES WITH ARCHITECT IN THE FIELD. RE-FEED ALL OUTLETS/DEVICES TO REMAIN THAT ARE DISCONNECTED DURING DEMO.

L. EVERYWHERE IN THIS AREA, FOR THE DURATION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR DISCONNECT AND RECONNECT OF BRANCH CIRCUITS AND REPLACEMENT OF ELECTRICAL MATERIALS AND LABOR TO RESTORE COMPLETE AND OPERATIONAL SYSTEMS. THIS INCLUDES THE CORRECTION OF ANY CODE DEFICIENCIES RELATED TO RENOVATIONS ON THIS PROJECT.

M. COORDINATE WITH ARCHITECT/ENGINEER AND FIELD VERIFY STATUS OF DEVICES, OUTLETS, CONDUIT AND WIRE AS A RELOCATION, DEMOLITION, OR TO REMAIN. FIELD VERIFY RE-FEEDING EXISTING DEVICES, RE-ROUTING OR NEW CIRCUITING. FIELD VERIFY CAPACITY OF CIRCUITS TO COMBINE NEW AND EXISTING RECEPTACLES AND INTERCEPTED CIRCUITS. COMPLY AS REQUIRED FOR CODE RESTRICTIONS AND SPECS.

P. PROVIDE NEW CIRCUIT BREAKERS OF THE SAME TYPE OR BLANK SPACE COVERS AS MAY BE NECESSARY TO FILL PANEL FOR SAFETY. FIELD SURVEY CIRCUITS THAT MAY BE ABANDONED. RELOCATE, IF NECESSARY, CIRCUIT RUNS EXPOSED BY DEMO WORK THAT SHALL BE KEPT OPERATIONAL.

Q. DISCONNECT POWER TO ELECTRICAL CIRCUITS AND EQUIPMENT IN THESE AREAS ENTIRELY BACK TO PANEL CIRCUIT BREAKER. DISCONNECT AND REMOVE ALL EXISTING CONDUIT, CONDUCTORS, CABLE, CONTROLS, AND BOXES, ETC. FOR THIS DEMO. THE ONLY EXCEPTION WILL BE FOR NEW CONTROLS AND DEVICES WHERE EXISTING AND UNDAMAGED BOXES/CONDUIT CAN BE UTILIZED BY THE CONTRACTOR, THE CONTRACTOR SHALL REFER TO NEW WORK PLANS AND SPECIFICATIONS IN ALL DIVISIONS THAT RELATE TO ELECTRICAL WORK IN THIS PROJECT. COORDINATE DEMOLITION AND INSTALLATION WITH FIELD CONDITIONS AS THEY MAY APPLY. ALL EQUIPMENT SHALL BE MADE OPERATIONAL-NO EXCEPTIONS. COORDINATE WITH REPRESENTATIVES OF THE OWNER, ARCHITECT, AND ENGINEERS FOR CONDUIT LOCATION AND TERMINATION POINTS IF NOT SPECIFIED ON PLANS.

R. DASHED WALLS INDICATE REMOVAL OF WALL PARTIAL OR ENTIRELY. REMOVE ALL ELECTRICAL DEVICES SHOWN ON DASHED WALLS BACK TO SOURCE THAT WILL BE ASSOCIATED WITH REMOVAL OF WALL UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PRIOR TO START OF WORK.

S. ALL ELECTRICAL SHOWN IS EXISTING. COORDINATE WITH ALL NOTES & WALLS TO BE REMOVED.

T. ALL EXISTING PANELS,TRANSFORMERS AND FEEDERS TO REMAIN COMPLETE, UNLESS NOTED OTHERWISE. SHOWN FOR REFERENCE ONLY. SEE POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.

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SANTA FE, NM 87507

SANTA FE TRAILS

CITY OF SANTA FE

PROJECT NO.:	R304054.01
DRAWN BY:	STAFF
REVIEWED BY:	STAFF
APPROVED BY:	STAFF

ISSUE DRAWING LOG:

4	07/30/2020	BID DOCUMENTS
3	02/01/18	CITY COMMENTS
2	12/04/17	100% CD REVIEW
1	02/24/17	95% REVIEW SUBMITTAL

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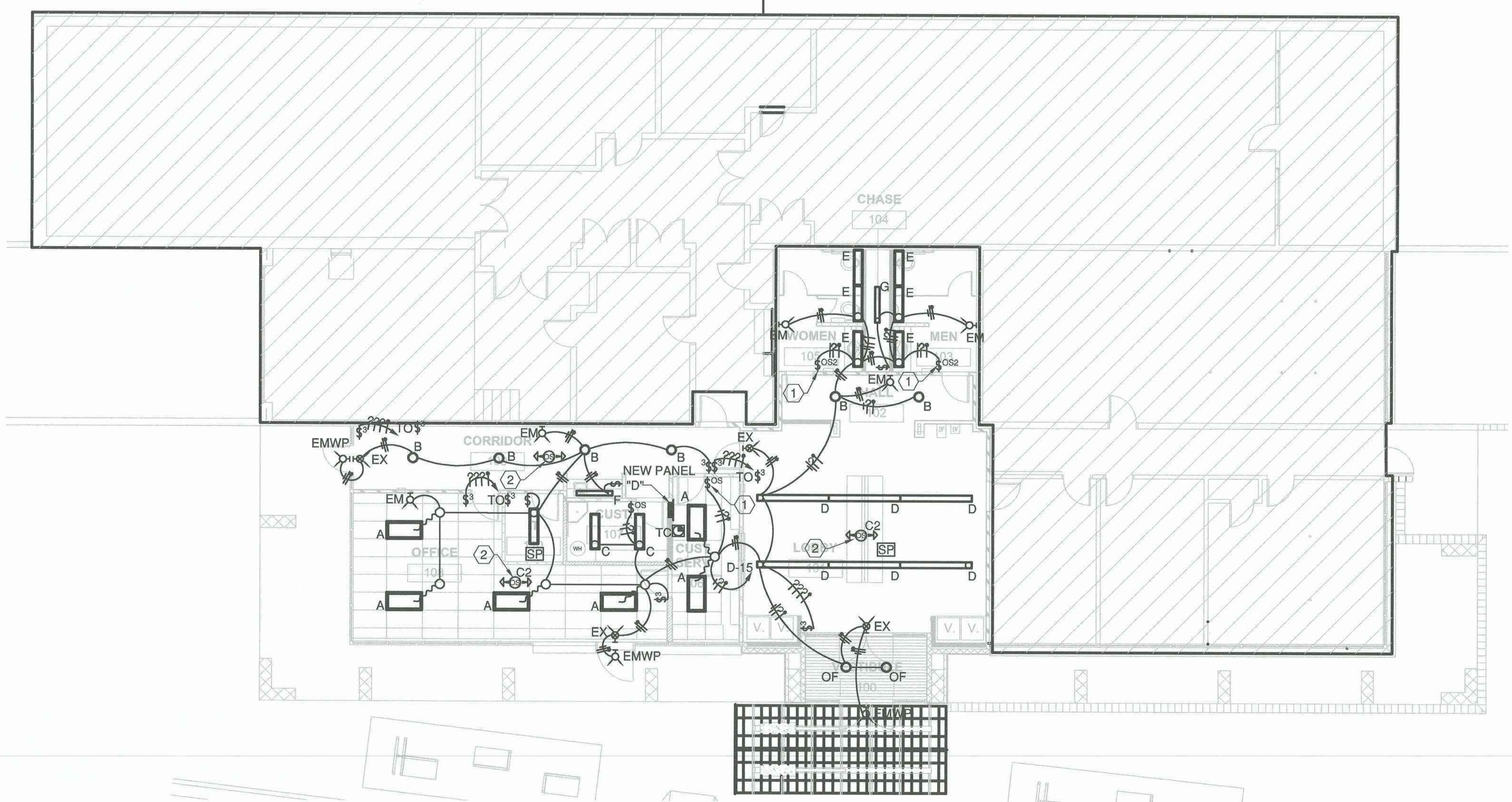
ELECTRICAL DEMOLITION PLAN

ED-101

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NO WORK REQUIRED IN THIS AREA
(UNLESS NOTED OTHERWISE)



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

LIGHTING POWER BUDGET
INTERNATIONAL ENERGY CONSERVATION CODE - TENANT AREA
TABLE 505.5.2
INTERIOR LIGHTING POWER

TENANT AREA	PERMISSABLE WATTS/SQFT	AREA	WATTS PERMISSIBLE	WATTS CONNECTED
OFFICE	1.0 WATTS/SQ. FT.	2370 SQ. FT.	2370 WATTS	1102 WATTS

GENERAL SHEET NOTES

A. ALL LAY-IN GRID TROFFERS SHALL HAVE FLEXIBLE CONDUIT CONNECTION WITH MINIMUM #12 BRANCH CIRCUITS AND MINIMUM #12 GROUND - NO EXCEPTIONS.

B. EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED MAXIMUM 8'-0" AFF.

C. ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS STEEL TYPE. ALL DEVICES SHALL BE WHITE IN COLOR.

F. COORDINATE THE EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

G. ALL SWITCHES SHALL BE PROVIDED WITH PERMANENT LABELING IDENTIFYING PANEL AND BRANCH CIRCUIT CONNECTED TO.

H. ALL HOMERUNS OVER 100' TO BE MINIMUM 3/4"C WITH MINIMUM #10 BRANCH CIRCUITS.

J. ALL LIGHTING BRANCH CIRCUITS SHALL BE MINIMUM 2#12 + 1#12GR IN .5"C UNLESS OTHER INDICATED.

SHEET KEYNOTES

1. PROVIDE DUAL LEVEL, DUAL TECH. OCCUPANCY SENSOR WALL SWITCH FOR CONTROL OF LIGHTING AND EXHAUST FAN.
2. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR SWITCH.
3. TO PANEL INDICATED VIA EXTERIOR LIGHTING CONTACTOR. SEE EXTERIOR LIGHTING CONTACTOR DIAGRAM.

LEGEND (SOME OCCUPANCY SENSORS MAY NOT BE USED.)

OCCUPANCY SENSOR SCHEDULE

SYMBOL	DESCRIPTION
$OS	GREENGATE, OSW-P-0451-MV (SINGLE POLE, SWITCH), COVERAGE 180 DEGREES, 450 SQ. FT.
$OS2	GREENGATE, OSW-P-0451-DMV (DOUBLE POLE, SWITCH), COVERAGE 180 DEGREES, 450 SQ. FT.
OSC	GREENGATE, ODC-U-501-32 (CEILING MNT. 180 DEGREE VIEW)
OSC1	GREENGATE, ODC-U-1001-32 (CEILING MNT 180 DEGREE VIEW 500-1000 SQ. FT. COVERAGE)
OSC2	GREENGATE, ODC-U-2000-32 (CEILING MNT 360 DEGREE VIEW), 1000-2000 SQUARE FEET.
SP	GREENGATE, SP20-MV (ONE RELAY SWITCH PACK) FOR EXACT NUMBER OF SWITCH PACKS NEEDED, COORDINATE WITH MANUFACTURER, PRIOR TO ORDERING.
SP2	GREENGATE, SPD20-MV (2 RELAY SWITCH PACK) FOR EXACT NUMBER OF SWITCH PACKS NEEDED, COORDINATE WITH MANUFACTURER, PRIOR TO ORDERING.
↕	INDICATES POINTING DIRECTION OF 360 DEGREE SENSORS.

NOTE:

1. COORDINATE WITH MANUFACTURER'S WIRING DIAGRAMS.
2. DO NOT EXCEED THE LOAD RATINGS OF THE SINGLE SWITCH.
3. ALL OCCUPANCY SENSOR SWITCHES SHALL COMPLY WITH THE INTERNATIONAL ENERGY CONSERVATION CODE, 2009.

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SOUTHSIDE TRANSIT CENTER

2521 CAMINO ENTRADA
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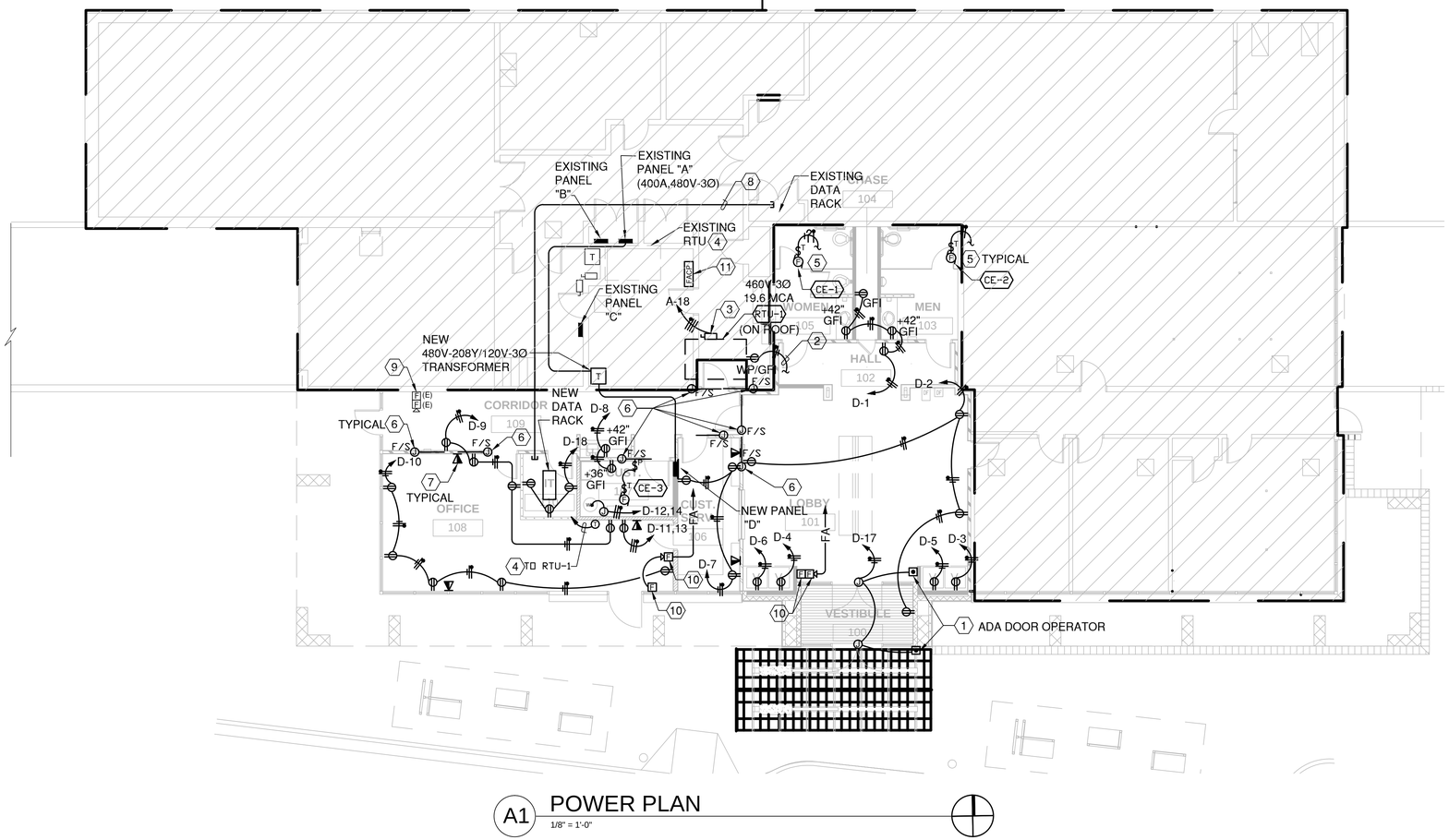
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LIGHTING PLAN

E-101

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A1 POWER PLAN

1/8" = 1'-0"

GENERAL SHEET NOTES

A. ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS STEEL TYPE. ALL DEVICES SHALL BE WHITE IN COLOR.

B. ALL RECEPTACLES SHALL BE PROVIDED WITH PERMANENT LABELING IDENTIFYING PANEL AND BRANCH CIRCUIT CONNECTED TO.

C. ALL OUTLETS TO BE MOUNTED IN CONFORMANCE WITH ADA RULES AND REGULATIONS.

D. COORDINATE OUTLET HEIGHTS AND LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS (CASEWORK, SINKS, LAVATORIES, ETC.)

E. ALL DUPLEX OUTLETS LOCATED WITHIN 6' OF ALL SINKS, IN ALL RESTROOMS, IN ALL JANITOR CLOSETS, EXTERIOR OF BUILDING, ON THE ROOF AND, ELSEWHERE AS DICTATED BY NEC, SHALL BE 20A GFI TYPE.

F. ALL HOMERUNS OVER 100' TO BE MINIMUM 3/4"C WITH MINIMUM #10 BRANCH CIRCUITS.

G. ALL BRANCH CIRCUITS SHALL BE MINIMUM 2#12 + 1#12 GROUND IN .5" CONDUIT, UNLESS OTHERWISE INDICATED.

H. ALL WEATHERPROOF DUPLEX RECEPTACLES SHALL BE PROVIDED WITH LOCKABLE, UNIVERSAL METAL WEATHERPROOF IN-USE COVER. PLASTIC WILL NOT BE ACCEPTED UNDER ANY CONDITION.

SHEET KEYNOTES

1. ADA PUSH BUTTON; PROVIDE 4" SQ. J-BOX W/SINGLE GANG MUD PLATE AND CONNECT AS REQUIRED TO AUTOMATIC DOOR OPERATOR MOTOR ABOVE DOORS. COORDINATE WITH ARCHITECT AND DOOR OPERATOR INSTALLER.
2. CONNECT TO CLOSEST 120V RECEPTACLE.
3. PROVIDE 600V, 30A-3P, FUSIBLE DISCONNECT SWITCH. FUSE PER THE MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH MECHANICAL.
4. PROVIDE 4" SQ. J-BOX WITH SINGLE GANG MUD PLATE AND ROUTE 3/4" C. W/PULLSTRING TO RTU-1.
5. PROVIDE PILOT SWITCH CONTROL TO EXHAUST FAN ON ROOF. COORDINATE WITH MECHANICAL PRIOR TO START OF WORK.
6. FIRE SMOKE DAMPER; CONNECT TO ACTUATOR AND EXTEND CONDUCTORS TO 120V PANEL, CIRCUIT D-18 FOR ALL DAMPER ACTUATORS.
7. PROVIDE 4" SQ. J-BOX WITH SINGLE GANG MUD PLATE AND ROUTE 3/4" WITH PULLSTRING TO NEW DATA RACK.
8. ROUTE 2" C. WITH PULLSTRING AND STUB-OUT AT NEW DATA RACK LOCATION TO EXISTING DATA RACK LOCATION.
9. EXISTING FIRE ALARM MANUAL PULL STATION AND AUDIBLE VISUAL DEVICE. LOWER THE EXISTING MANUAL PULL STATION TO +48" AFF PER ADA REQUIREMENTS.
10. NEW FIRE ALARM MANUAL PULL STATION AND AUDIBLE VISUAL DEVICE. EXTEND NEW WIRING AND CONNECT TO EXISTING ZONE AND NAC CIRCUIT IN THE EXISTING FIRE ALARM CONTROL PANEL, KEYNOTE 11.
11. EXISTING FIRE ALARM CONTROL PANEL, EST MODEL QUICK START. THE EXISTING FACP HAS A "SYSTEMS TROUBLE" INDICATION. VERIFY AND CORRECT THE "SYSTEMS TROUBLE" AND MAKE THE FIRE ALARM SYSTEM OPERATIONAL.

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POWER PLAN

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PANEL SCHEDULE

EXISTING PANEL: A — LOCATION: — VOLTS: 277 / 480 — 3 PH 4 W
NO. POLES: 30 — MAIN CIRCUIT BREAKER 400A/3P
BUS RATING: 400 AMP — 65 KA MINIMUM INTERRUPTING CAP. — MOUNTING: SURFACE

DESCRIPTION	LOAD	TYPE	BRKR	P	CKT	PH	CKT	P	BRKR	TYPE	LOAD	DESCRIPTION
EXISTING LOAD(Main,load dock,corr. R.R.)	900	L	20A/1P	1	1	A	2	1	20A/1P	L	1200	EXISTING LOAD(VAULT)
EXISTING LOAD(Recept,mach Rm,Print Rm, vest	1200	L	20A/1P	1	3	B	4	1	20A/1P	L	900	EXISTING LOAD(Stor, Mail Rm)
EXISTING LOAD(Soffit & outside)	1000	L	20A/1P	1	5	C	6	1	20A/1P	L	1000	EXISTING LOAD
EXISTING LOAD	1200	L	20A/1P	1	7	A	8	1	20A/1P	L	1200	EXISTING LOAD
EXISTING LOAD	1100	L	20A/1P	1	9	B	10	1	**20A/1P**	**L**	**2394**	**EXTR. BOLLARDS AND BUS SHLTR LTS**
EXISTING LOAD	1000	L	20A/1P	1	11	C	12	1	**20A/1P**	**L**	**3195**	**EXTR. POLE LIGHTS LTS**
EXISTING LOAD(Power Mach. Rm.)	22160	P	100A			A			40A	M	8864	
	22160	P	---	3	13	B	14	3	---	M	8864	EXISTING LOAD(Heat Unit)
	22160	P	3P			C			3P	M	8864	
(Spare)			60A			A			200	P	55400	
			---	3	15	B	16	3	---	P	55400	EXISTING LOAD(xmfr-Panel B&C)
			3P			C			3P	P	55400	
PANEL "D"	**9972**	**P**	**40A**			A			25A	M	5263	**NEW RTU**
VIS XMFR	**9972**	**P**	**---**	3	17	B	18	3	**---**	M	5263	**460V-3 PH., 19.6 MCA**
	9972	**P**	**3P**			C			3P	M	5263	

LOAD SUMMARY	TOTAL	DEMAND FACTOR	ESTIMATED MAX. DEMAND
P=PANELS	262.6	0.65	170.7
L=LIGHTING	16.3	1.00	16.3
R=RECEPTACLES	0.0	0.50	0.0
A=APPLIANCES	0.0	0.80	0.0
M=MOTORS	42.4	1.00	42.4
0=SPARE	0.0	1.00	0.0
TOTAL	321.3 KVA		229.4 KVA

CONNECTED PHASE LOADING
PHASE A: 106159.0
PHASE B: 107263.0
PHASE C: 107854.0
321.3 KVA

EST. MAX. DEM.: 229.4 KVA
10% SPARE: 22.9 KVA
E M.D. + SPARE: 252.3 KVA
POWER FACTOR: 0.90
EST. MAX. DEM.: 337.2 AMPS

NOTE: BOLD TEXT INDICATES NEW BREAKER AND LOADS

PANEL SCHEDULE

PANEL: D — LOCATION: CUSTOMER SERVICE 106 — VOLTS: 120 / 208 — 3 PH 4 W
NO. POLES: 30 — MAIN CIRCUIT BREAKER
BUS RATING: 100A — 10 KA MINIMUM INTERRUPTING CAP. — MOUNTING: SURFACE

DESCRIPTION	LOAD	TYPE	BRKR	P	CKT	PH	CKT	P	BRKR	TYPE	LOAD	DESCRIPTION
WOMEN 104 & MEN 103 & HALL 102	760	R	20A/1P	1	1	A	2	1	20A/1P	R	540	LOBBY 101
VENDING	400	R	20A/1P	1	3	B	4	1	20A/1P	R	400	VENDING
VENDING	400	R	20A/1P	1	5	C	6	1	20A/1P	R	400	VENDING
CUSTOMER SERVICE 105	540	R	20A/1P	1	7	A	8	1	20A/1P	R	360	CORRIDOR 108 & CUSTODIAN 108
OFFICE 108 & CORR 109	720	R	20A/1P	1	9	B	10	1	20A/1P	R	900	OFFICE 108
OFFICE 108-COPIER	1000	R	20A/2P	2	11	C	12	2	20A/2P	R	800	CUST. 107-WATER HEATER
	1000	R			13	A	14			R	800	
SPARE			20A/1P	1	15	B	16	1	20A/1P	L	1045	RMS. 100 THRU 109 (NEW RENOVATION)
ADA DOOR OPERATOR	1000	R	20A/1P	1	17	C	18	1	20A/1P	R	540	IT ROOM 110
SPARE			20A/1P	1	19	A	20	1	20A/1P			SPARE
SPARE			20A/1P	1	21	B	22	1	20A/1P			SPARE
SPARE			20A/1P	1	23	C	24	1	20A/1P			SPARE
SPARE			20A/1P	1	25	A	26	1	20A/1P			SPARE
SPARE			20A/1P	1	27	B	28	1	20A/1P			SPARE
SPARE			20A/1P	1	29	C	30		20A/1P			SPARE

LOAD SUMMARY	TOTAL	DEMAND FACTOR	ESTIMATED MAX. DEMAND
P=PANELS	0.0	1.00	0.0
L=LIGHTING	1.0	1.25	1.3
R=RECEPTACLES	10.6	0.50	10.3
A=APPLIANCES	0.0	0.65	0.0
M=MOTORS	0.0	1.00	0.0
0=SPARE	0.0		0.0
TOTAL	11.6 KVA		11.6 KVA

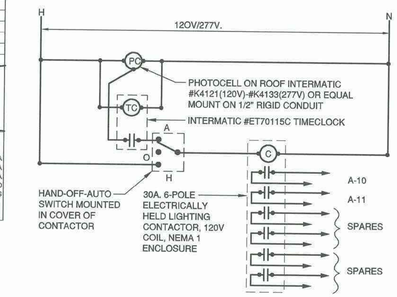
CONNECTED PHASE LOADING
PHASE A: 4.0
PHASE B: 3.6
PHASE C: 4.1
11.6 KVA

EST. MAX. DEM.: 11.6 KVA
10% SPARE: 1.2 KVA
E.M.D. + SPARE: 12.7 KVA
POWER FACTOR: 1.00
EST. MAX. DEM.: 35.4 AMPS

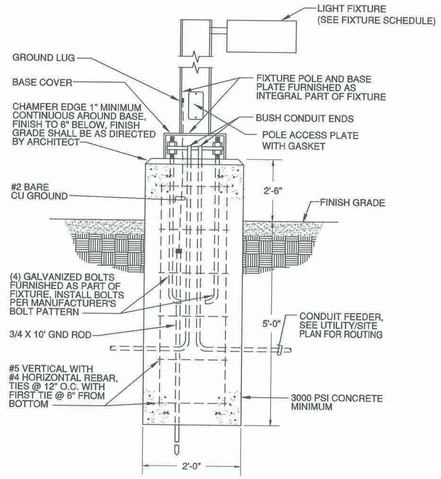
LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVDE TRIMS, BALLASTS, MOUNTING EQUIPMENT, FITTINGS AND LAMPS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION.

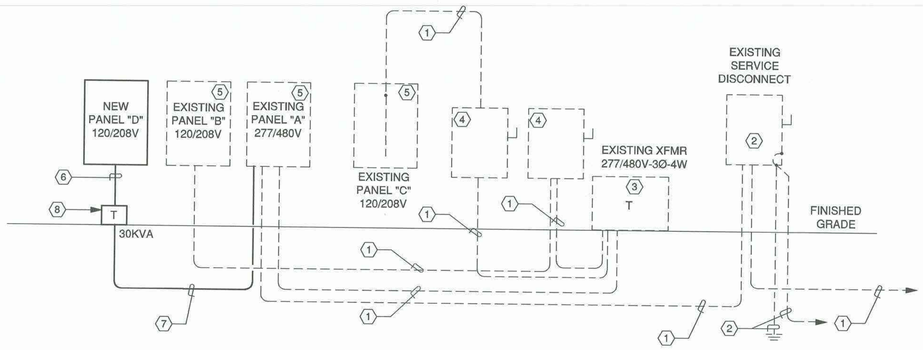
TYPE:	DESCRIPTION:	MANUFACTURER AND CATALOG NO.:	VOLTAGE:	LAMP:	WATTS PER LUMINAIRE:	REMARKS:
OA	AREA SITE POLE LIGHTS-GLEON LED TYPE II, DISTRIBUTION	MCGRAW EDISON #GLEON-AE-04-LED-E1-T2-XX	277V	LED	213	POLE MOUNT ON CONCRETE BASE XX=COLOR BY ARCHITECT
OB	AREA SITE POLE LIGHTS-GLEON LED TYPE V	MCGRAW EDISON #GLEON-AE-04-LED-E1-5MQ-XX	277V	LED	213	POLE MOUNT ON CONCRETE BASE XX=COLOR BY ARCHITECT
OC	AREA SITE POLE LIGHTS-GLEON LED TYPE III	MCGRAW EDISON #GLEON-AE-04-LED-E1-T3-XX	277V	LED	213	POLE MOUNT ON CONCRETE BASE XX=COLOR BY ARCHITECT
OD	8' LED ROUND BOLLARD (PROVIDE FOOTING PER MANUFACTURER SPECIFICATIONS)	SELUX #CCCL-MOD08-4-4L35-XX-277-OPTION XX=COLOR BY ARCHITECT	277V	LED	120	BOLLARD XX=COLOR BY ARCHITECT
OE	FLOOD LIGHT FACING TOWARDS MONUMENT SIGN	LUMARK #XTOR2A	277V	LED	18	SURFACE GROUND, IN CONCRETE BASE W/WEATHERPROOF BELL BOX
OF	UNDER CANOPY/BUS KIOSKS LED SURFACE DISC 6" ROUND LED CEILING LIGHT	HALO #SLD612840WH-UNV	277V	LED	14.8	SURFACE, CEILING



B1 EXTERIOR LIGHTING CONTROL DIAGRAM
NOT TO SCALE:



B3 POLE DETAIL
NOT TO SCALE:



A1 POWER RISER DIAGRAM
NOT TO SCALE:

LOAD SUMMARY -- 120/208V - 3PH - 4W

LOAD	CONNECTED LOAD	DEMAND LOAD
BUILDING PEAK KW	25 KW	25 KW
PLUS 25% PEAK PER NEC	6 KW	6 KW
NEW MRI	45 KW	45 KW
PLUS FUTURE TI LOADS	75 KW	68 KW
TOTAL	151 KW	144 KW = 400 AMPERES

THE EXISTING 600A SERVICE IS ADEQUATELY RATED FOR THE PROPOSED DEMAND LOAD

SHORT CIRCUIT CALCULATIONS

ASSUME 150 KVA PAD MOUNT TRANSFORMER WITH UNLIMITED PRIMARY SCA AND 2% Z. MAXIMUM LET THROUGH ON SECONDARY SIDE OF TRANSFORMER = 60,000 AMPERES. MAXIMUM CALCULATED FAULT AT MAIN BUILDING DISCONNECT SWITCH = 38,190A. USING BUSS LOW-PEAK LPN 600A FUSES IN MAIN DISCONNECT SWITCH WILL LIMIT FAULT AT NEW PANELBOARD "MDP" TO APPROXIMATELY 11,115A. NOTE: NEW 120/208V BRANCH CIRCUIT PANELBOARD "MDP" SHALL BE PROVIDED WITH 45KAIR CIRCUIT BREAKERS.

GENERAL NOTES:

SHEET KEYNOTES:

1 EXISTING FEEDERS TO REMAIN. SHOWN FOR REFERENCE ONLY.
2 EXISTING SERVICE DISCONNECT SWITCH AND GROUNDING TO REMAIN. SHOWN FOR REFERENCE ONLY.
3 EXISTING TRANSFORMER TO REMAIN. SHOWN FOR REFERENCE ONLY.
4 EXISTING DISCONNECT SWITCHES TO REMAIN. SHOWN FOR REFERENCE ONLY.
5 EXISTING PANELS TO REMAIN. SHOWN FOR REFERENCE ONLY. REFER TO ADDITIONAL LOADS ON EXISTING PANEL.
6. PROVIDE 4 #3 THWN/THHN & 1 #8 CU. GRD. IN 1.25" C.
7. PROVIDE 4 #8 THWN/THHN & 1 #10 CU. GRD. IN 3/4" C.
8. PROVIDE 480V-208Y/120V-3PHASE-4W DRY TYPE TRANSFORMER.
9. NEW PANEL "D". SEE PANEL SCHEDULE.

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