

General Project Notes

1. CODE COMPLIANCE: THE GENERAL CONTRACTOR, ALL SUBCONTRACTORS AND SUPPLIERS PERFORMING WORK OR SUPPLYING MATERIALS FOR CONSTRUCTION SHALL ENSURE THAT SUCH WORK AND MATERIAL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES AS ADOPTED AND OTHER APPLICABLE STANDARDS INCLUDING THE AMERICANS WITH DISABILITIES ACT.

2. PERMITS: THE GENERAL CONTRACTOR AND ANY SUBCONTRACTORS WITH WORK REQUIRING PERMITS SHALL OBTAIN AND POST AS REQUIRED BY THE CODE ENFORCEMENT AUTHORITY ALL SUCH PERMITS.

2.1 TEMPORARY PERMITS: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY SPECIAL PERMITS THAT MAY BE REQUIRED TO CLOSE STREETS, WORK IN PUBLIC OR PRIVATE RIGHTS OF WAY OR OTHERWISE WORK ON PROPERTY NOT UNDER THE DIRECT CONTROL OF THE OWNER OR THEIR AGENTS.

2.2 INSPECTIONS: SCHEDULE AND CONDUCT ALL REQUIRED INSPECTIONS AND APPROVALS. PROVIDE ALL DOCUMENTATION REQUIRED TO OBTAIN A FINAL CERTIFICATE OF OCCUPANCY.

3. VERIFICATION OF CONDITIONS: FIELD VERIFY EXISTING SITE CONDITIONS, DIMENSIONS, ELEVATIONS, UTILITIES AND BECOME FULLY INFORMED AS TO THE SCOPE OF WORK, REPORT ANY DISCREPANCIES CONFLICTING WITH THE WORK TO THE ARCHITECT.

3.1 ADJACENT PROPERTIES: PROTECT ADJACENT PRIVATE PROPERTIES PUBLIC RIGHT-OF-WAY FROM DAMAGE DURING CONSTRUCTION AND ENSURE USE OF SUCH PROPERTY IS NOT ADVERSELY AFFECTED BY THE CONSTRUCTION PROJECT. ANY CONSTRUCTION WORK TO DISRUPT ADJACENT PROPERTIES THAN THE GENERAL CONTRACTOR SHALL SCHEDULE SUCH WORK WITH THE PROPERTY OWNER.

3.2 LIFE SAFETY SYSTEMS: ALL EXISTING LIFE SAFETY PROVISIONS SHALL BE MAINTAINED DURING CONSTRUCTION.

3.3 EROSION CONTROL: ANY SITE WORK SHALL MAKE USE OF APPROPRIATE EROSION CONTROL THAT IS COMPLIANT WITH STATE AND LOCAL REQUIREMENTS.

3.4 UTILITY COORDINATION: COORDINATE WORK AND UTILITY CONNECTIONS WITH LOCAL UTILITY PROVIDERS.

3.5 CLEANUP: MAINTAIN A CLEAN AND SAFE CONSTRUCTION SITE. ALL CONSTRUCTION WASTE SHALL BE REMOVED FROM THE WORK AREA IN A TIMELY MANNER. THE CONSTRUCTION AREA SHALL BE SWEEPED ON A REGULAR BASIS TO MITIGATE DUST AND TRASH.

4. DRAWINGS AND SPECIFICATIONS: THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO GUIDE AND DIRECT THE WORK NECESSARY FOR COMPLETION OF THE BUILDING OR BUILDING IMPROVEMENTS DESCRIBED HEREIN. THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE TO PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE CONSTRUCTION PROJECT.

4.1 SCALING DRAWINGS: DO NOT SCALE ANY DRAWINGS, UNLESS INDICATED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF WALLS AND CENTERLINE OF STRUCTURAL GRIDS.

4.2 IDENTIFY DISCREPANCIES: NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS AND SPECIFICATIONS.

4.3 SHOP DRAWINGS: SUBMIT SHOP DRAWINGS, SAMPLES AND PRODUCT DATA TO THE ARCHITECT FOR REVIEW AND APPROVAL OF MATERIALS, FINISHES AND SYSTEMS.

4.4 SUBSTITUTIONS: MATERIAL OR EQUIPMENT SUBSTITUTIONS ARE NOT ALLOWED UNLESS APPROVED BY THE ARCHITECT.

5. MEANS AND METHODS: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, SEQUENCE OF CONSTRUCTION AND COORDINATION OF WORK; INCLUDING ANY INSTALLATION OF FIXTURES, FURNISHINGS AND EQUIPMENT BY OWNERS VENDORS. SUBMIT PROPOSED CONSTRUCTION SCHEDULE AND ALL REVISIONS TO THE ARCHITECT AND OWNER.

6. AS-BUILT DRAWINGS: MAINTAIN UP-TO-DATE CONSTRUCTION DRAWINGS ON THE JOB SITE AT ALL TIMES. SUBMIT TWO (2) SETS OF MARKED-UP RECORD DRAWINGS TO THE ARCHITECT UPON COMPLETION OF THE WORK AND OCCUPANCY OF THE PROJECT.

Sheet Index (72 Sheets)

GENERAL (3 sheets)

G-001 COVER SHEET, INDEX, & CONTACT INFORMATION
G-011 PROJECT DATA, CODES, & ZONING INFORMATION
10947 SITE SURVEY

CIVIL (9 sheets)

C0.0 COVER PAGE
AL-101 ALTA/ACSM LAND TITLE SURVEY
C1.0 SITE PLAN
C1.0 DETAILS
C1.1 EROSION CONTROL PLAN
C1.2 STORMTECH DETAILS
C2.0 GRADING PLAN
C3.0 UTILITY PLAN
C4.0 EROSION CONTROL PLAN

ARCHITECTURAL (22 sheets)

AL-201 GASOLINE ISLAND CANOPY ELEVATIONS
AL-401 DUMPSTER / RECYCLE ENCLOSURE AND DETAILS
AL-501 CANOPY COLUMN BASE DETAILS
AL-502 SITE LIGHTING DETAILS
AL-601 SIGNAGE SCHEDULE, SIGN ELEVATIONS/DETAILS
AL-602 SIGNAGE SCHEDULE, SIGN ELEVATIONS/DETAILS

A-100 WALL BACKING PLAN
A-101 FLOOR PLAN
A-111 REFLECTED CEILING PLAN
A-121 ROOF PLAN
A-201 EXTERIOR ELEVATIONS
A-202 EXTERIOR ELEVATIONS
A-301 WALL SECTIONS
A-401 INTERIOR ELEVATIONS
A-402 INTERIOR ELEVATIONS
A-501 CARPENTRY DETAILS
A-502 EXTERIOR SHELL DETAILS
A-503 EXTERIOR SHELL DETAILS
A-601 DOOR, WINDOW & ROOM FINISH SCHEDULE
A-701 CERAMIC TILE FLOORING PLAN

AQ-101 EQUIPMENT PLAN
AQ-401 KITCHEN WALL INTERIOR ELEVATION

STRUCTURAL (5 sheets)

S-001 GENERAL STRUCTURAL NOTES & REQUIREMENTS
S-101 FOOTING AND FOUNDATION PLANS
S-102 ROOF TRUSS PLAN & PROFILES
S-201 FRONT WALL FRAMING & DETAILS
S-501 FOUNDATION & CONCRETE DETAILS

PLUMBING (6 sheets)

P-101 SANITARY PLUMBING PLAN
P-102 SUPPLY PLUMBING PLAN
P-501 PLUMBING DETAILS & SCHEDULE
P-601 SANITARY PLUMBING RISER DIAGRAM
P-701 SUPPLY PLUMBING RISER DIAGRAM
P-801 PLUMBING SPECIFICATIONS

MECHANICAL (2 sheets)

M-101 MECHANICAL PLAN
M-401 EXHAUST HOOD DETAILS

ELECTRICAL (12 sheets)

E-101 ELECTRICAL POWER PLAN
E-102 ELECTRICAL LIGHTING PLAN
E-103 UNDERGROUND CONDUIT PLAN
E-401 SALES COUNTER ENLARGED PLAN & DETAILS
E-501 ELECTRICAL PANEL DETAILS & DIAGRAMS
E-502 ELECTRICAL EQUIPMENT DETAILS
E-601 PANEL SCHEDULES & SERVICE DETAILS
E-602 EQUIPMENT SCHEDULES & SCHEMATICS
E-700 MANUFACTURER EXTERIOR LIGHTING CUT SHEETS
E-701 MANUFACTURER INTERIOR LIGHTING CUT SHEETS
E-702 MANUFACTURER INTERIOR LIGHTING CUT SHEETS
E-703 MANUFACTURER CANOPY LIGHTING CUT SHEETS

EQUIPMENT (9 sheets)

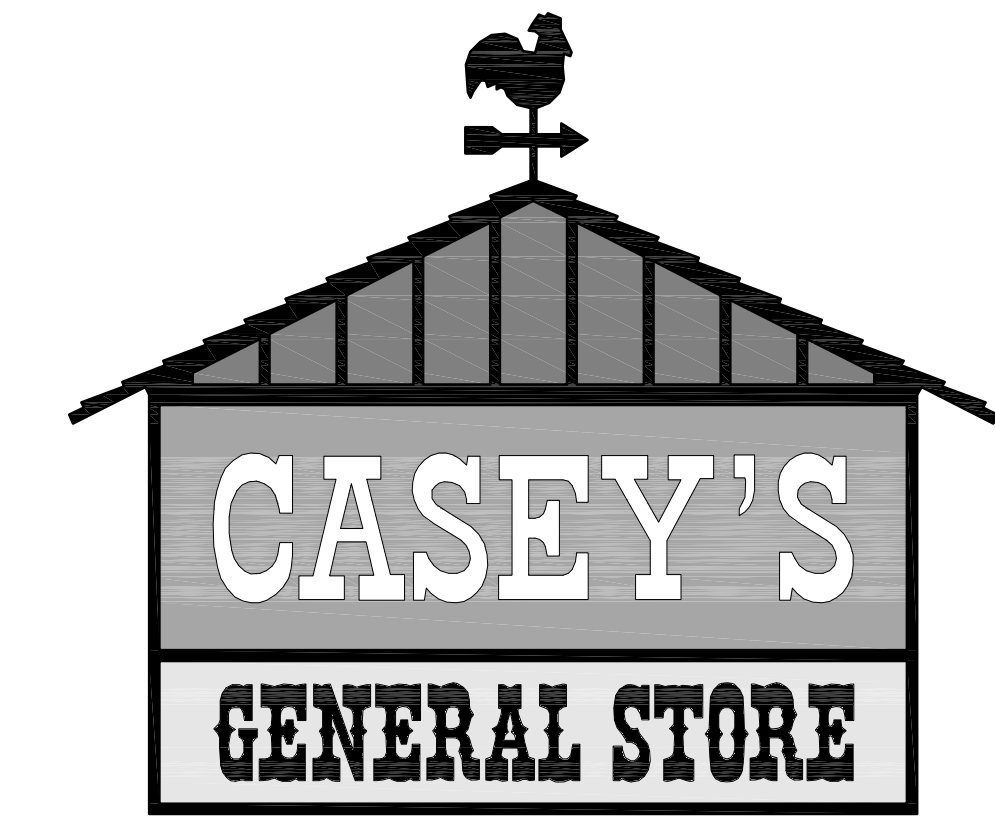
QR-101 REFRIGERATION EQUIPMENT PLAN
QR-401 COOLER/FREEZER REFRIGERATION DETAILS
QR-601 COMFORT COOLING WIRING
QR-602 REFRIGERATION WIRING SCHEMATIC

QF-101 FUEL PUMP ISLAND PLAN & DETAILS
QF-301 PETROLEUM TANK SECTIONS & DETAILS
QF-601 PETROLEUM WIRING DIAGRAM
QF-602 PETROLEUM WIRING DIAGRAM
QF-603 PETROLEUM WIRING DIAGRAM

TELECOMMUNICATIONS (3 sheets)

T-101 SECURITY SYSTEM WIRING SCHEMATIC
T-102 COMMUNICATIONS WIRING SCHEMATIC & DETAILS
T-601 SECURITY WIRING DETAILS

CASEY'S GENERAL STORE RAMSEY



Project Team

OWNER

Casey's Retail Company
Construction Division
3305 SE Delaware Ave
PO Box 3004
Ankeny, IA 50021
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Email: jacob.clark@caseys.com
Voice: 515.963.3831, Fax: 515.965.6161

ARCHITECT

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510 22nd Ave. East Suite #102
Alexandria, MN 56308
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Email: dustin@ringdahlarchitects.com
Voice: 320.217.5557, Fax: 320.217.5597

MEP ENGINEER

Design Tree Engineering
2510 Broadway St. S.
Alexandria, MN 56308
Contact: **Josh Meehl (Mech), Aaron Mueller (Elec)**
Voice: 320.217.5557, Fax: 320.217.5597

CIVIL / STRUCTURAL ENGINEER

Design Tree Engineering
2510 Broadway St. S.
Alexandria, MN 56308
Contact: **Jeremy Anderson (Civil), Joe Nicholson (Struct)**
Voice: 320.217.5557, Fax: 320.217.5597

Legal Description

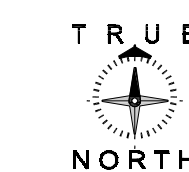
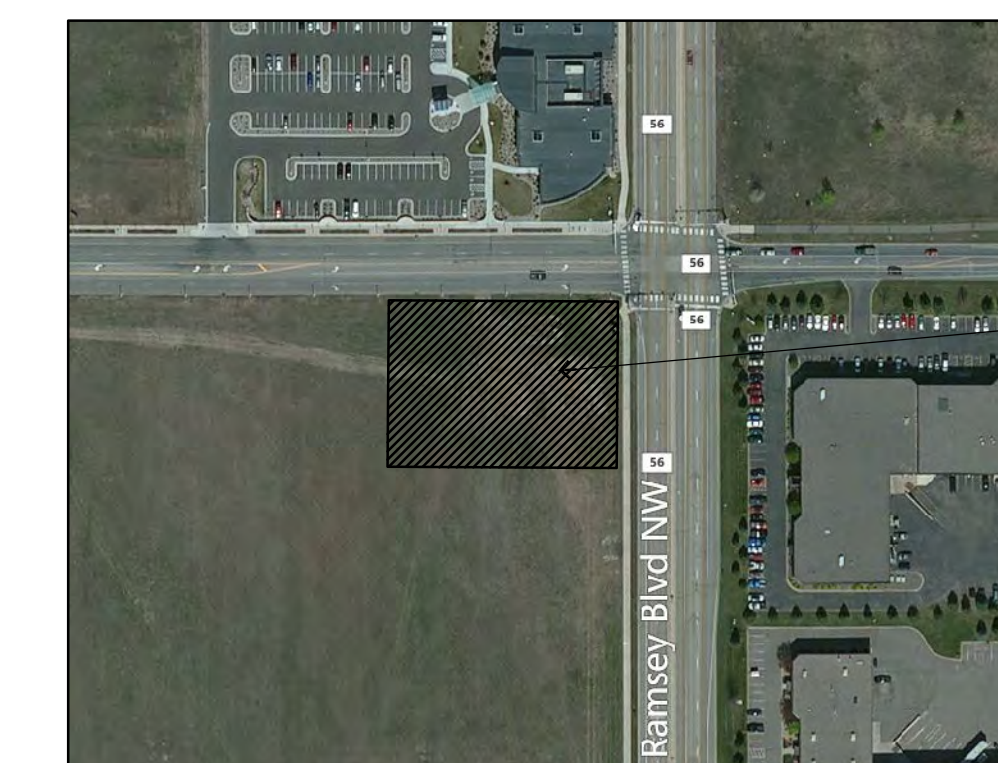
Existing Legal Description:

The north 221.00 feet of the east 270.00 feet of OUTLOT GG, RAMSEY TOWN CENTER ADDITION, according to the recorded plat thereof, Anoka County, Minnesota, except that part lying northeasterly of the following described line: Beginning at a point on the northerly line of said OUTLOT GG, distant 25.00 feet westerly from the northeast corner of said OUTLOT GG as measured along said northerly line; thence southeasterly to a point on the easterly line of said OUTLOT GG, distant 25.00 feet southerly from said northeast corner as measured along said easterly line, said line there terminating.

Property Legal Description:

Lot 1, block 1, CASEY'S ADDITION, according to the recorded plat thereof, Anoka County, Minnesota.

Locator Map - City, State



NOTE:
Not all roads shown.

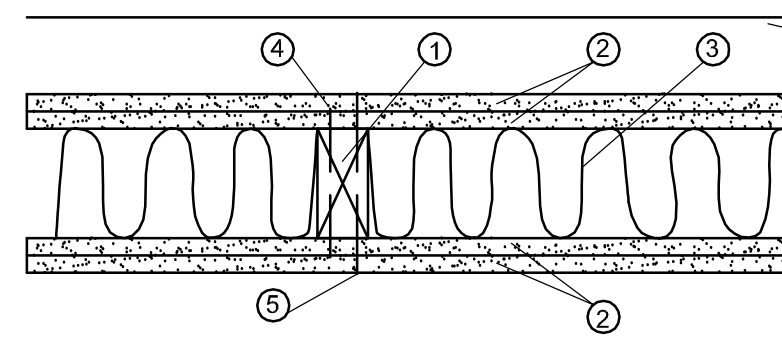
Casey's General
Store Site

 510 22nd Ave. East, Suite 102 Alexandria, MN 56308 ph. (320) 763-9368 fax (320) 762-9063	I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. DATE: 12/24/14 REG. NO.:
	PROJECT #C1417

 CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100	
PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED: REVISIONS: DIVISION INFORMATION: COVER SHEET, INDEX, & CONTACT INFO
DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: DLT CHECKED BY: PDR	PROJECT NO.: SHEET NO.: G-001

Rated Assembly

WS6-2.1 TWO HOUR FIRE RESISTIVE LOAD BEARING WOOD FRAME WALL ASSEMBLY



EIFS or brick veneer is allowed per section 703.2 stated below that the material does not reduce the fire resistive rating. EIFS has been tested in accordance with ASTM E108 and is found that it did not contribute significantly flame spread.

- FRAMING - NOMINAL 2 X 6 WOOD STUDS, SPACED 24" OC DOUBLE TOP PLATES SINGLE BOTTOM PLATE
- SHEATHING: BASE LAYER- 5/8 in. TYPE X GYPSUM WALLBOARD, 4 FT. WIDE, APPLIED HORIZONTALLY, JOINTS STAGGERED ON OPPOSITE SIDES OF THE WALL. FACE LAYER- 5/8 in. TYPE X GYPSUM WALLBOARD, 4 FT. WIDE, APPLIED HORIZONTALLY, JOINTS STAGGERED WITH BASE LAYER. HORIZONTAL JOINTS ARE UNBLOCKED. HORIZONTAL APPLICATION OF WALLBOARD REPRESENTS THE DIRECTION OF LEAST FIRE RESISTANCE AS OPPOSED TO VERTICAL APPLICATION.
- INSULATION- 5-1/2 in. THICK MINERAL WOOL INSULATION (2.5 pcf, nominal)
- GYPSUM FASTENERS: BASE LAYER- 2-1/4 in. #6 TYPE S DRYWALL SCREWS, SPACED 24 IN. O.C.
- GYPSUM FASTENERS: FACE LAYER- 2-1/4 in. #6 TYPE S DRYWALL SCREWS, SPACED 8 IN. O.C.
- JOINTS AND FASTENER HEADS- WALLBOARD JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND, FASTENER HEADS COVERED WITH JOINT COMPOUND.

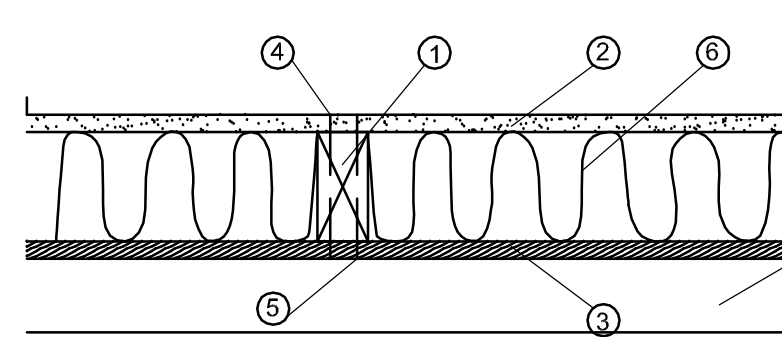
Tests conducted at the Fire Test Laboratory of National Gypsum Research Center
Test No: WP-1262 (Fire Endurance) November 3, 2000
WP-1268 (Hose Stream) December 8, 2000

Third Party Witness: Interek testing Services
Report J20-006170.3

This assembly was tested at 100% design load, calculated in accordance with the 2005 National Design Specification® for Wood Construction. The authority having jurisdiction should be consulted to assure acceptance of this report.

Rated Assembly

WS6-1.5 ONE HOUR FIRE RESISTIVE LOAD BEARING WOOD FRAME WALL ASSEMBLY



EIFS or brick veneer is allowed per section 703.2 stated below that the material does not reduce the fire resistive rating. EIFS has been tested in accordance with ASTM E108 and is found that it did not contribute significantly flame spread.

- FRAMING - NOMINAL 2 X 6 WOOD STUDS, SPACED 16" OC DOUBLE TOP PLATES, SINGLE BOTTOM PLATE
- INTERIOR SHEATHING- 5/8 in. TYPE X GYPSUM WALLBOARD, 4 FT. WIDE, APPLIED VERTICALLY. ALL PANEL EDGES BACKED BY FRAMING OR BLOCKING.
- EXTERIOR SHEATHING- 3/8 in. WOOD STRUCTURAL PANELS (ORIENTAL STRAND BOARD), APPLIED VERTICALLY, HORIZONTAL JOINTS BLOCKED.
- GYPSUM FASTENERS- 2-1/4 in. #6 TYPE S DRYWALL SCREWS, SPACED 7 in. O.C.
- PANEL FASTENERS- 6d COMMON NAILS (BRIGHT)- 12 in. O.C. IN THE FIELD, 6 in. O.C. PANEL EDGES
- INSULATION- R-19 FIBERGLASS INSULATION
- JOINTS AND FASTENER HEADS- WALLBOARD JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND, FASTENER HEADS COVERED WITH JOINT COMPOUND.

Tests conducted at the Fire Test Laboratory of National Gypsum Research Center
Test No: WP-1408 (Fire Endurance & Hose Stream) August 13, 2004

Third Party Witness: NGC Testing Services

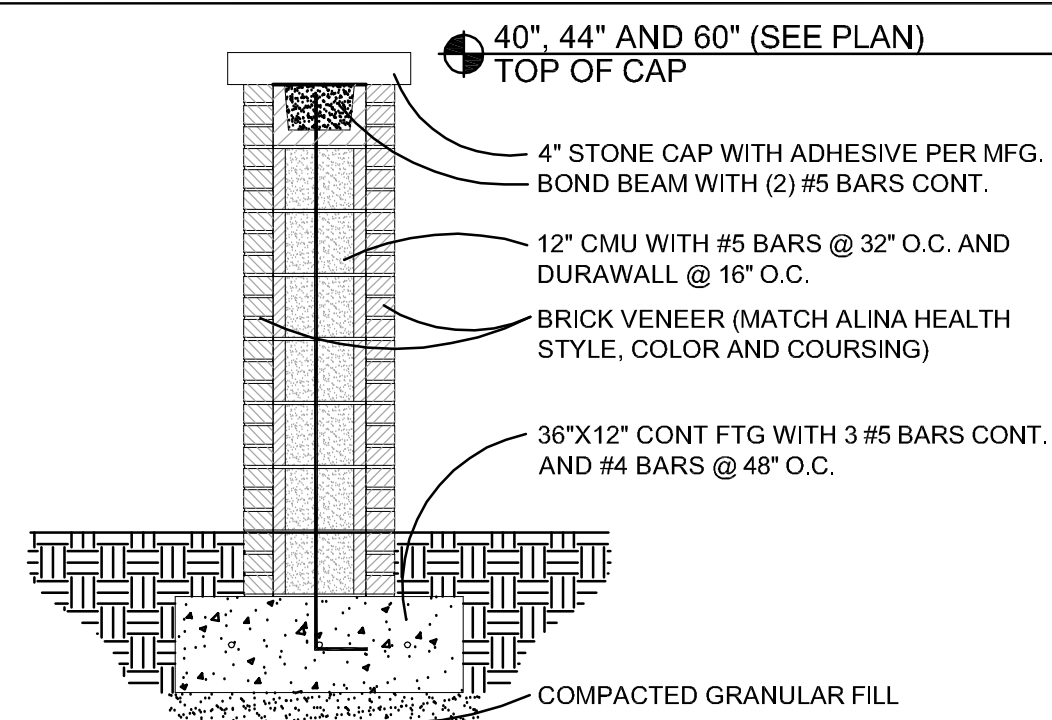
This assembly was tested at 100% design load, calculated in accordance with the 2005 National Design Specification® for Wood Construction. The authority having jurisdiction should be consulted to assure acceptance of this report.

International Building Code 2009

703.2 Fire resistance ratings. The fire resistance rating of building elements, components or assemblies shall be determined in accordance with test procedures set forth in ASTM E119 or UL263 or in accordance with section 703.3. Where materials, systems or devices that have not been tested as part of the fire resistance rated assembly are incorporated into the building element, component or assembly, sufficient data shall be made available to the building official to show that the required fire resistance rating is not reduced.

705.5 exterior walls shall be fire resistance rating in accordance with section 601 and 602. The required fire resistance rating of exterior walls with a fire separation distance of less than or equal to 10 feet shall be rated for exposure to fire from both sides.

1406.2.1.1 Fire separation 5 ft or less. Where installed on exterior walls having a fire separation distance of 5 feet or less combustible exterior wall coverings shall not exhibit sustained flaming as defined in NFPA 268. EIFS satisfies conditions of acceptance upon 20 minutes radiant heat exposure at 1.25 w/cm2



4 RETAINING WALL SECTION

1/2" = 1'-0" (VERIFY HEIGHTS ON SITE PLAN)

Zoning Information

ZONING

Provide Jurisdiction specific Zoning Designation

OFF STREET PARKING AND LOADING

Parking Criteria 1/2005ft (4,353 sf / 200sf = 21.7)	22 Spaces Required
Marked General Parking	18
Unmarked Gas Pump Parking	16
TOTAL PARKING SPACES	34

REQUIRED HANDICAP PARKING [ADAAG]

1 : 25 Required Parking Spaces (Van Accessible)

PROVIDED HANDICAP PARKING = 1 (VAN ACCESSIBLE)

LOADING BERTH

1 Provided (14x49')

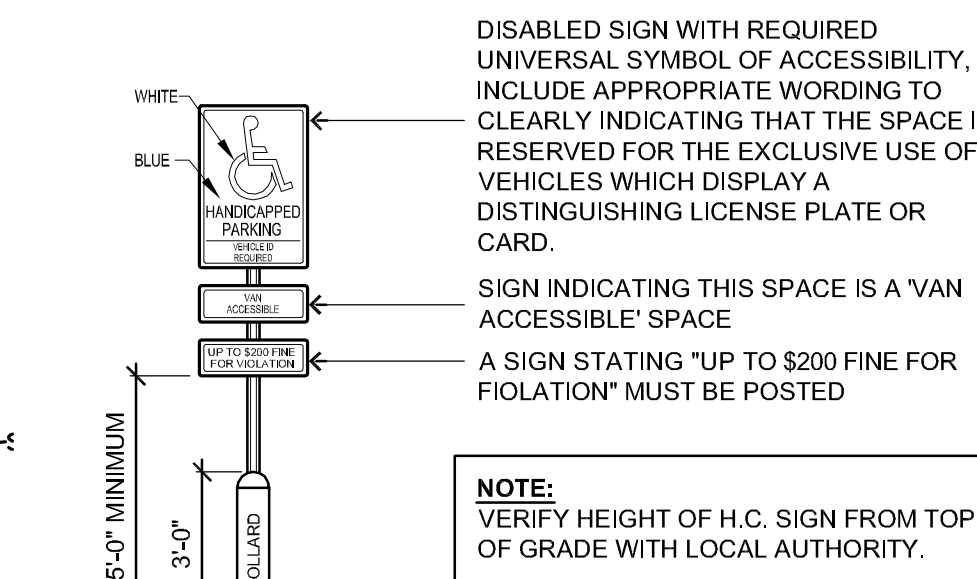
SIGNAGE REQUIREMENTS

See Sheet AL-601 For project signage schedule and drawings.

Project Data

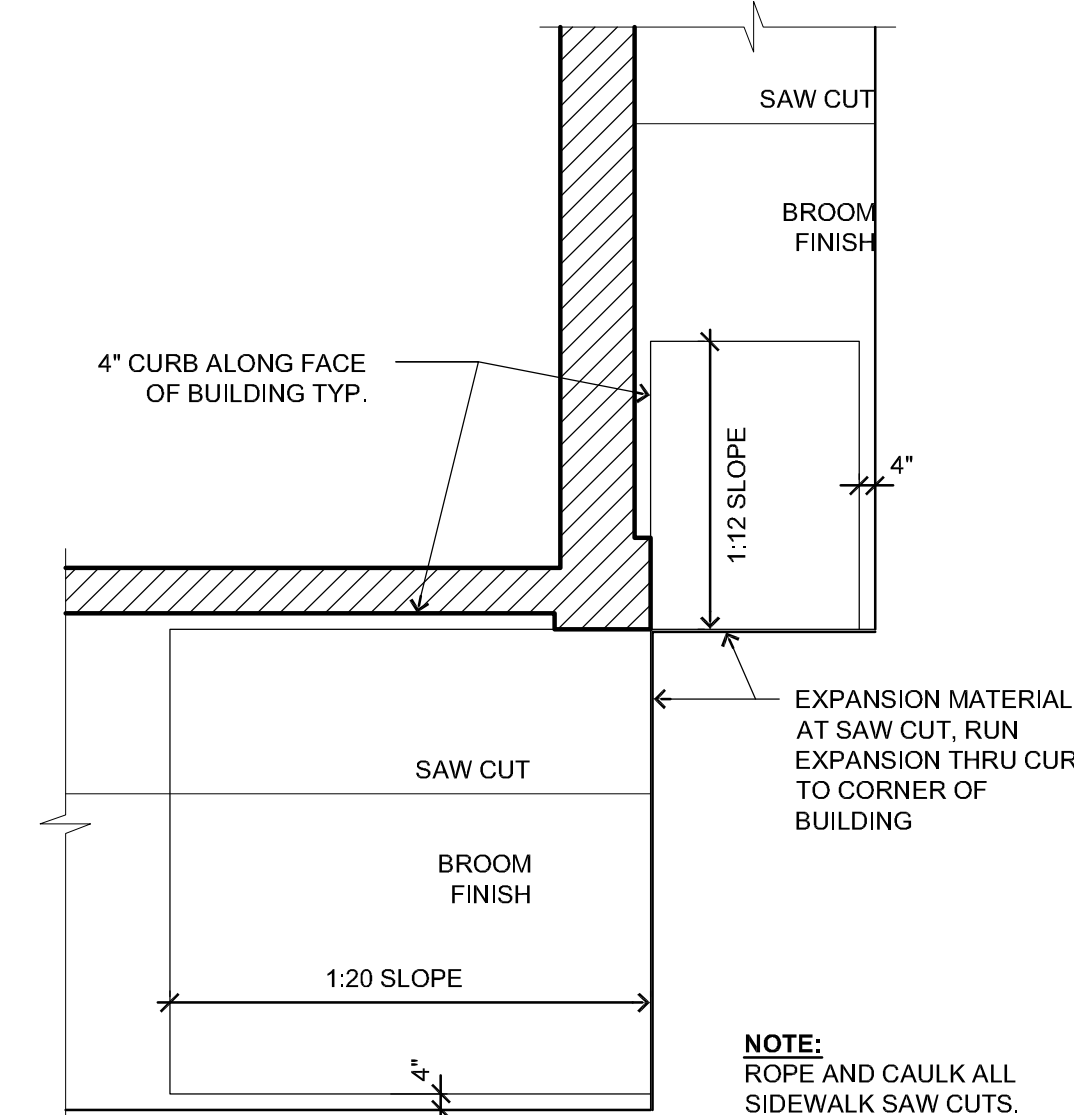
JURISDICTION:

City of RAMSEY, MN
2006 INTERNATIONAL BUILDING CODE (IBC)
2006 INTERNATIONAL MECHANICAL CODE (IMC)
2006 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2009 MINNESOTA PLUMBING CODE
2003 MINNESOTA STATE ENERGY CODE
2002 NATIONAL ELECTRICAL CODE (NECA)
2003 ANSI A117.1 (ICC/ANSI)
ADAAG (AMERICANS W/ DISABILITIES ACCESSIBILITY ACT GUIDELINES) - FEDERAL REGISTER, VOL. 56, NO. 144, 1991



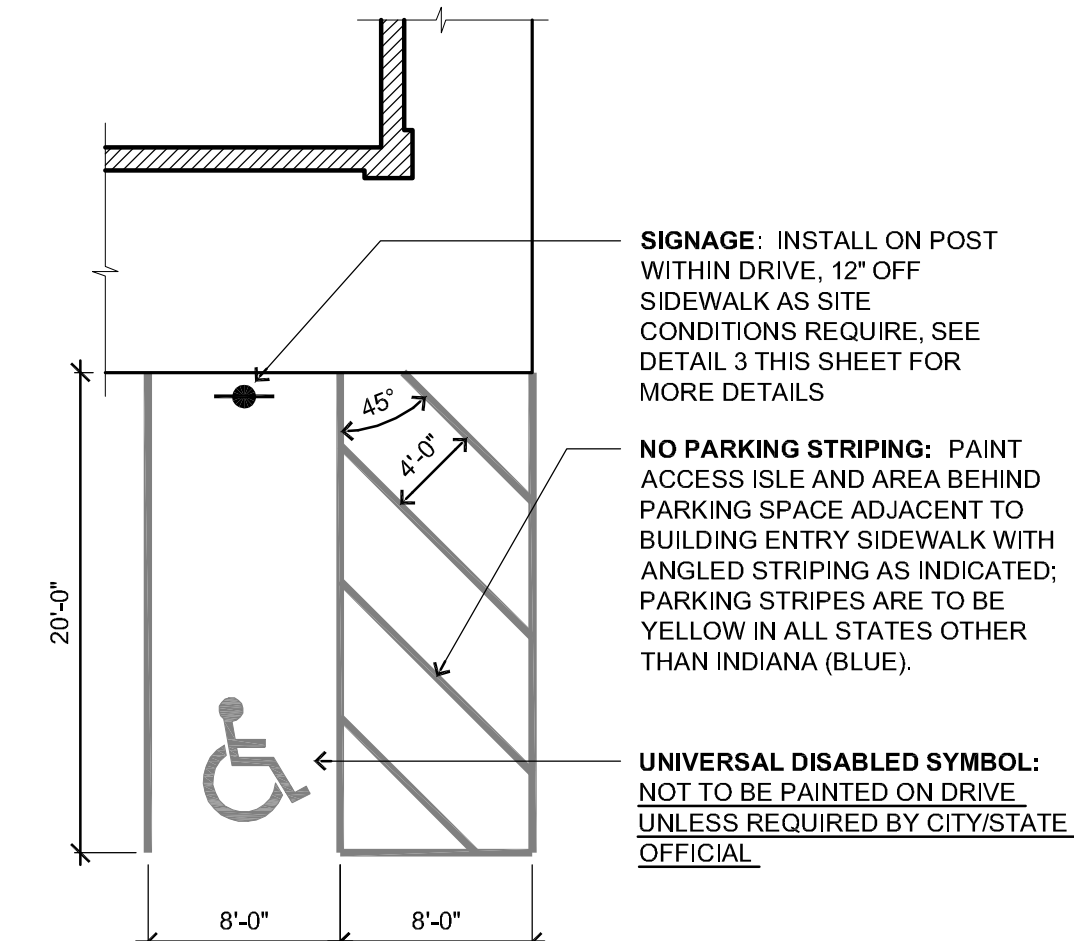
3 Disabled Parking Signage

1/4" = 1'-0"



2 Sidewalk Ramp Layout

1/4" = 1'-0"



1 Disabled Parking Layout

1/8" = 1'-0"

Code Information

Occupancy Type (Section 309)

Group M - Mercantile Retail Sales & Fuel Dispensing

Construction Type (Section 602.5)

Type V, B (Non-rated) Construction in which the structural elements, exterior and interior walls are of any materials permitted by the code.

Building Height & Area (Table 503)

Based on above referenced occupancy type and construction type.

	ALLOWABLE	ACTUAL
Height (Stories / Feet):	1 / 40'	1 / 20'
Area (Group M):	9,000 sf	4,353 sf

Incidental Uses (Section 508.2.5)

No incidental use areas are present within building as defined in Table 508.2 that require separation.

Fire Resistive Requirements (Table 601)

	Hrs
Structural Frame	0
Bearing Walls	0
Non-bearing Walls	0
Floor Construction	0
Roof Construction	0

Exterior Walls (Table 602)

Where exterior wall fire separation distance to the property line is less than 10', but more than 5' 1-hour rated construction is required. If less than 5' 2-hour rated construction is required. (Plan Note 3)

Allowable Area of Openings (Section 704.8/ Table 704.8)

The maximum allowable area of openings in an exterior wall is defined as a percentage of wall area based on the parallel offset distance to the property line. Incidental unprotected openings in the rear wall amount to less than 1% of the total rear wall area. (Plan Note 3)

Occupant Load (Chapter 10)

The Occupant Load is determined by first sub-dividing the plan layout into different 'Function Types' (per Table 1004.1.1) then dividing each by the assigned SF/Occupant to obtain the Total Occupant Load for exiting. The Function Areas assigned in the table below are graphically represented in the Code Plan on this sheet. (See Code Plan)

TABLE 1004.1	Criteria	Area	Load
Area A - Mercantile	30 gross	2,394 sf	80
Area B - Business (Office)	100 gross	46 sf	1
Area C - Kitchen	200 gross	498 sf	3
Area D - Accessory (Back house)	300 gross	1,130 sf	4
TOTALS		4,068 sf	88

Building Exits

Egress Width (Section 1005)

Non sprinkled buildings require 0.2" of egress width per occupant. Egress width required, 17.6" for occupant load of 88 persons. Egress width provided, 148" total at three (3) locations. (See Locations on Code Plan)

Exit Doors (Section 1015, Table 1015.1)

Occupant load greater than 50 requires 2 exits separated by half the maximum diagonal distance of the building. Maximum diagonal, 108'; Exit Separation, 53'. (Plan Note 2)

Exit Access Travel Distance (Section 1016, Table 1016.1)

In non sprinkled buildings the maximum travel distance from any point in the building to an exit is limited to 200'. Maximum distance present 81'; See plan this sheet. (Plan Note 1)

Plumbing Fixtures (Chapter 29)

As required for toilet room fixture calculations, the assumed occupancy loads for male and female are 50% of the total occupancy load for the building (per Table 2902.3, IBC).

	CRITERIA	REQUIRED	PROVIDED
MENS (49 Occupants)			
Water Closets	1 / 500	1	1
Lavatories	1 / 750	1	1
Urinal		0	1
WOMENS (49 Occupants)			
Water Closets	1 / 500	1	2
Lavatories	1 / 750	1	1
OTHER FIXTURES			
Drinking Fountain		1	0*
Service Sink		1	1

* Water is provided through a dispenser in the fountain drink system at no charge.

Fire Protection (IFC)

Automatic Fire Extinguishing Systems

Per section 904.2.1, the Type-1 commercial kitchen hood is fitted with an approved automatic fire extinguishing system with an alternate manual activator.

Portable Fire Extinguishers (Section 906)

Portable Fire Extinguishers shall be installed in accordance with NFPA 10 and meet the minimum coverage and travel distance requirements:

General: 4-A:80BC, 11,250sf Coverage / 75' Travel Distance (Plan Note 4)
Kitchen: Type 'K', within 30' of Hood (Plan Note 5)

Emergency Fuel Shutoff (Section 2203.2)

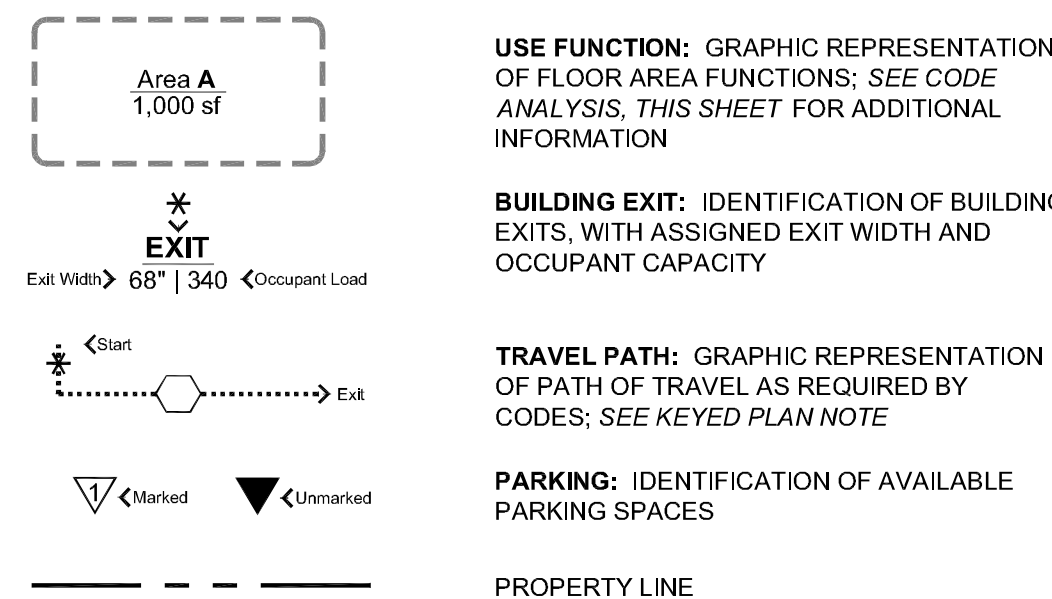
A fuel shutoff switch is located within 100' of the fuel pumps (Plan Note 8A); an additional shutoff switch is located within the building at the sales counter for the convenience of the attending staff (Plan Note 8B).

RINGDAHL
1107 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (507) 763-9368
fax (507) 762-9063

I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PROJECT #C1417

Code Plan Legend



Code Plan Keyed Notes

- MAXIMUM LENGTH OF TRAVEL TO EXITS: 81' (200' ALLOWABLE)
- SEPARATION DISTANCE OF EXITS: 54' (BUILDING DIAGONAL, 108'-0")
- FIRE SEPARATION DISTANCE: IF LESS THAN 5' PROVIDE 2-HR WALL CONSTRUCTION AND APPROPRIATE PROTECTION FOR ALL OPENINGS; IF 5' OR GREATER BUT LESS THAN 10' PROVIDE 1-HR WALL CONSTRUCTION AND APPROPRIATE OPENING PROTECTION; IF 10' OR GREATER USE NON-RATED CONSTRUCTION AND OPENINGS ARE NOT REQUIRED TO BE PROTECTED
- FIRE EXTINGUISHER: 4-A:80BC INSTALLED NEAR FRONT EXIT
- KITCHEN FIRE EXTINGUISHER: TYPE 'K' LOCATED WITHIN 30' OF HOOD
- VAN ACCESSIBLE PARKING SPACE: WITH POST SIGN AND NO-PARKING ACCESS AISLE, SURFACE SLOPES SHALL NOT EXCEED 1:50 (2%) IN ALL DIRECTIONS
- LOADING BERTH: 16' x 50', SUBJECT TO CHANGE
- EMERGENCY FUEL SHUTOFF: POST MOUNTED SHUTOFF BUTTON WITH SIGNAGE STATING "EMERGENCY FUEL SHUTOFF" LOCATED ALONG CURB LINE (8A); A SECONDARY SHUTOFF LOCATED INSIDE AT THE SALES COUNTER FOR THE CONVENIENCE OF STAFF (8B)

Code Plan General Notes

- RELATED SHEETS: FOR ADDITIONAL INFORMATION NOT DIRECTLY REFERENCED, SEE THE FOLLOWING SHEETS.
G-001 COVER SHEET INDEX/GENERAL CONDITIONS
AL-101 SITE PLAN
A-101 FLOOR PLAN
AQ-101 EQUIPMENT PLAN
- DO NOT USE THIS SHEET FOR SITE LAYOUT: THE SITE AND BUILDING PLAN REPRESENTED ON THIS SHEET IS INTENDED AS A DIAGRAMMATIC REPRESENTATION OF CODE AND ZONING RELATED ISSUES ONLY. ALL SPECIFIC LAYOUT AND CONSTRUCTION INFORMATION IS FOUND ON THE SITE PLAN AND BUILDING DRAWINGS

CASEY'S General Store

One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

CASEY'S CONSTRUCTION DIVISION

"O2" STYLE STORE
FLAT ROOF
(RAMSEY MINNESOTA)

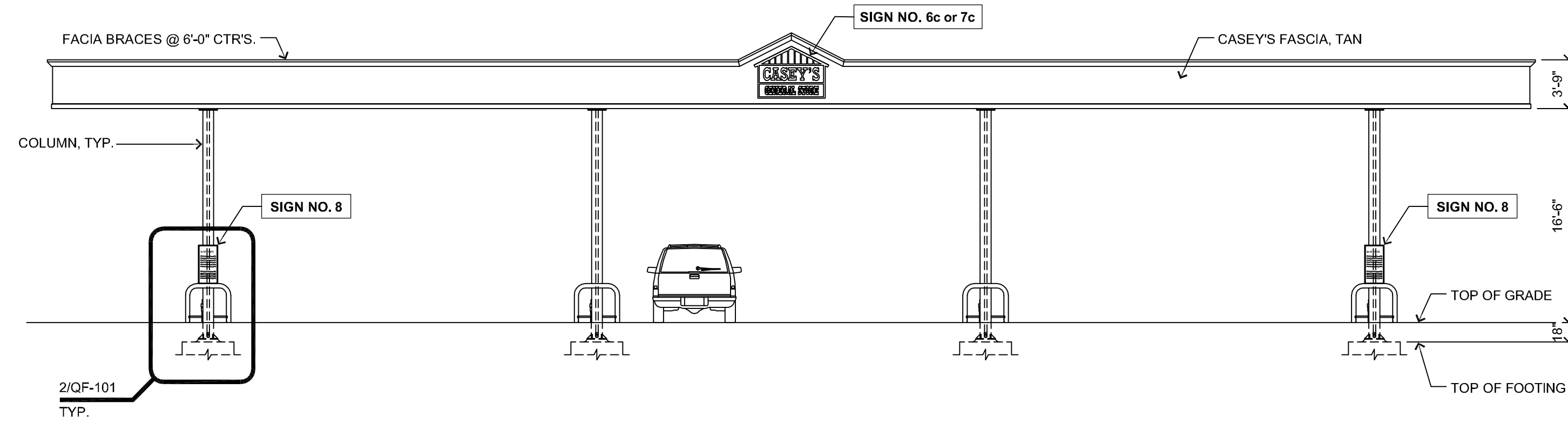
PROJECT DATA, CODES, & ZONING INFORMATION

G-011

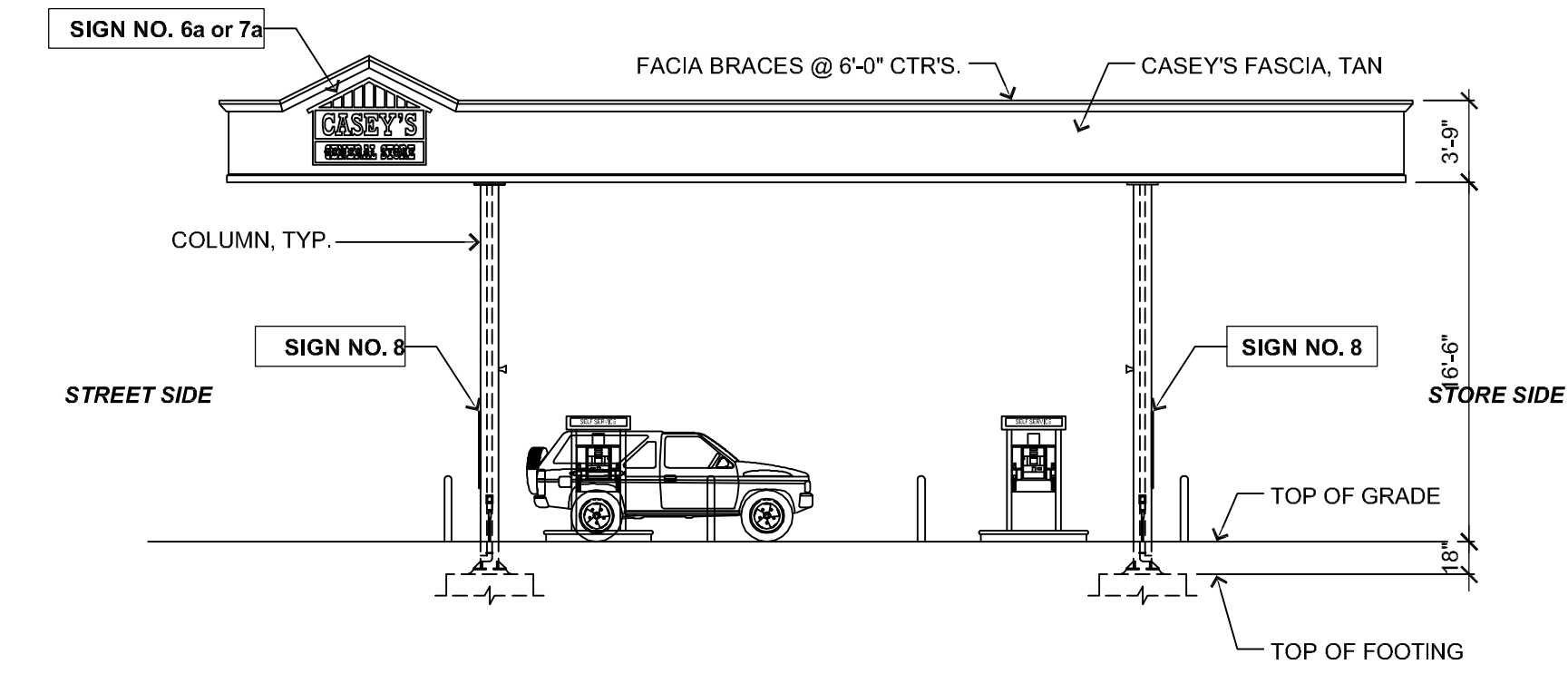
****VERIFY ALL SIGNAGE WITH SIGN PERMITS****

General Notes

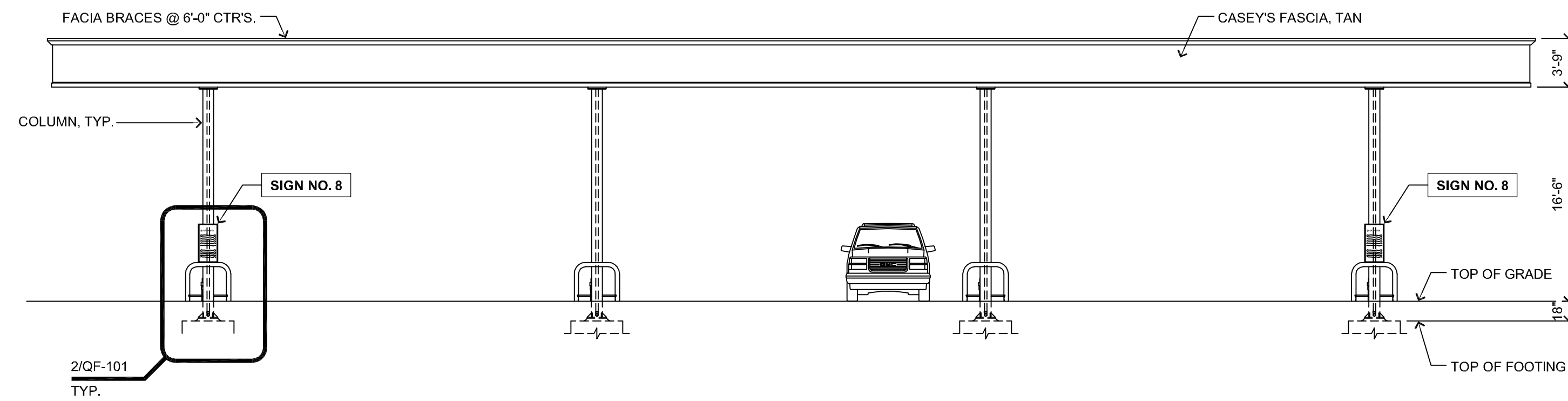
- RELATED SHEETS:** FOR ADDITIONAL INFORMATION NOT DIRECTLY REFERENCED, SEE THE FOLLOWING SHEETS:
 G-001 FOR GENERAL PROJECT NOTES
 AL-101 FOR GENERAL SITE PLAN
 AL-601 FOR SIGNAGE SCHEDULE AND NOTES
 QF-Series FOR DESIGN AND DETAILS RELATED TO FUELING FACILITY
- GASOLINE ISLAND CANOPY:** REVIEW SHOP DRAWINGS PROVIDED BY CANOPY SUPPLIER AND ADVISE CASEY'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES
- EMERGENCY GAS SHUT OFFS:** REFER TO SHEETS A-201, AQ-101 & E-101 FOR EMERGENCY SHUT OFF LOCATIONS.



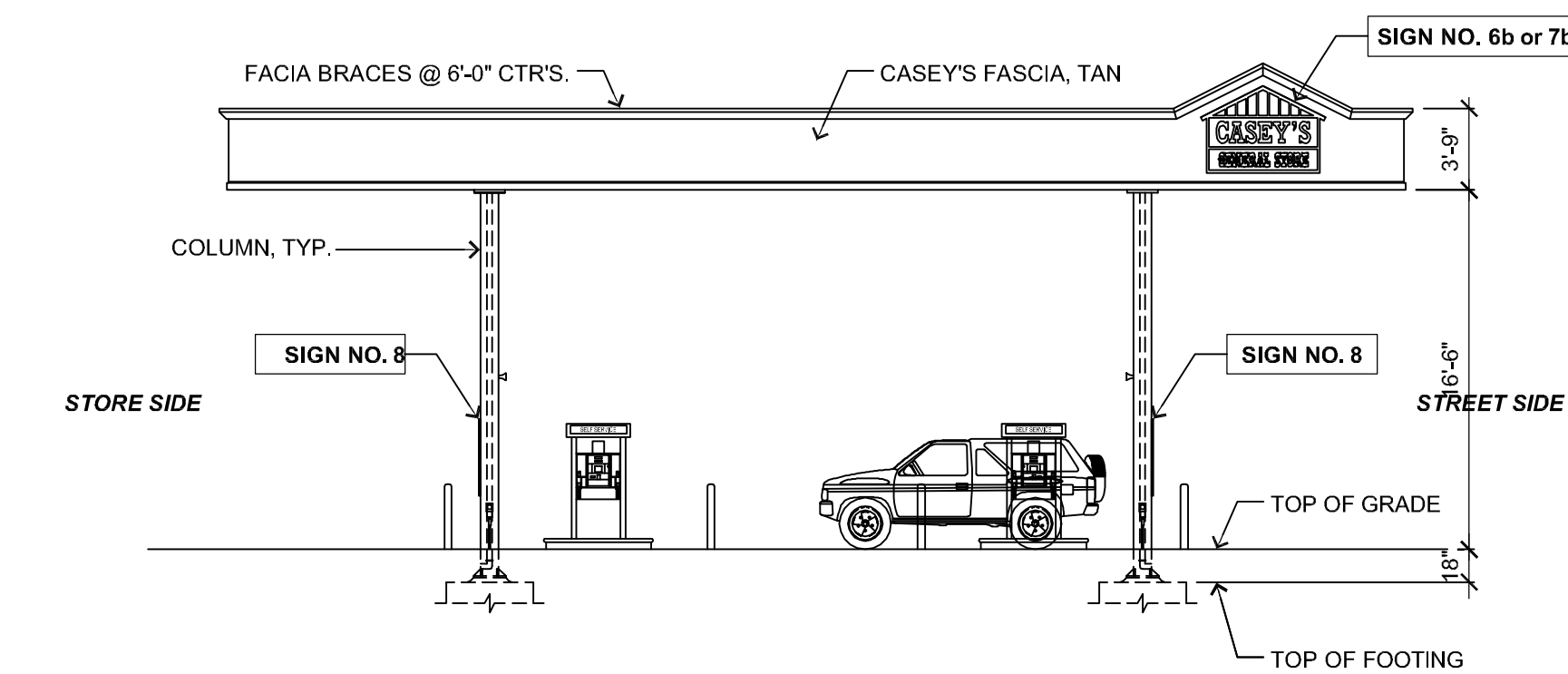
4 Pump Island Canopy - (Street Side)
1/8" = 1'-0"



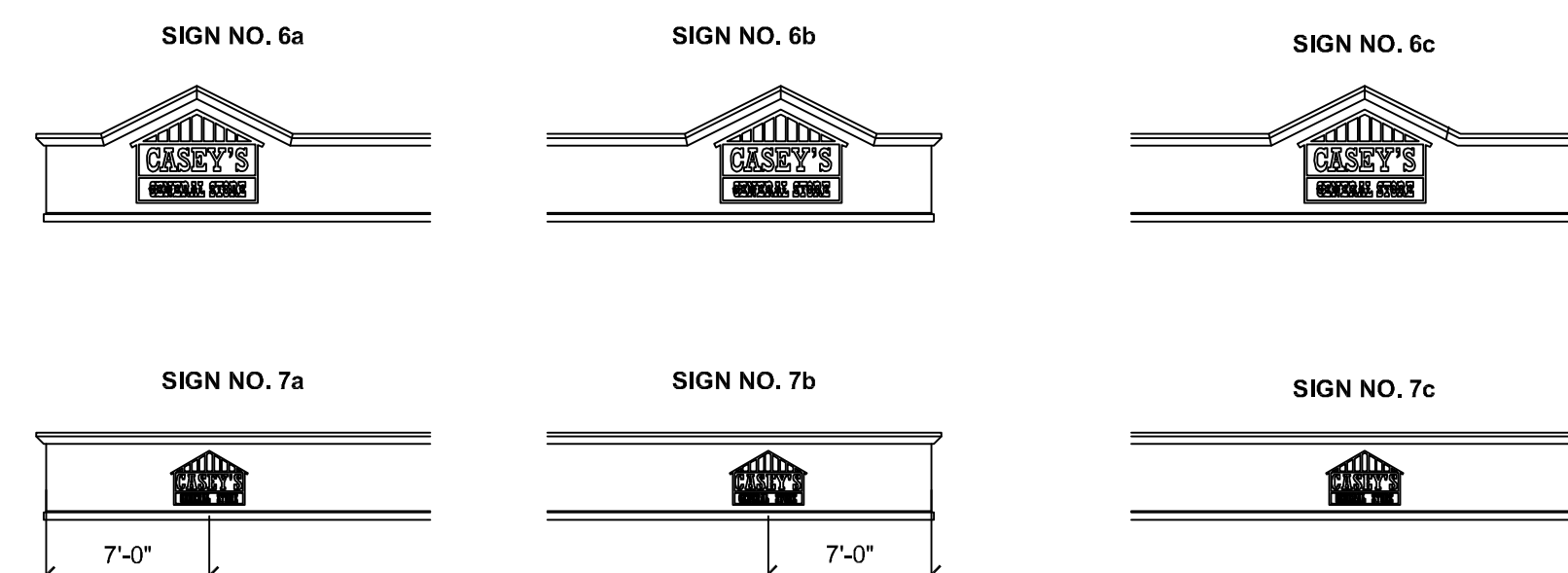
3 Pump Island Canopy - Right Side Elevation
1/8" = 1'-0"



2 Pump Island Canopy - (Store Side)
1/8" = 1'-0"



1 Pump Island Canopy - Left Side Elevation
1/8" = 1'-0"



5 Canopy Fascia Signage
1/8" = 1'-0"

8 DISPENSERS - DOUBLE STACKED - H.I.

RINGDAHL
 110 22nd Ave. East, Suite 100
 Alexandria, MN 56308
 ph. (320) 763-9368
 fax (320) 762-9063

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[Signature]
 DATE: 12/3/14 REG. NO. 1091

PROJECT #C1417

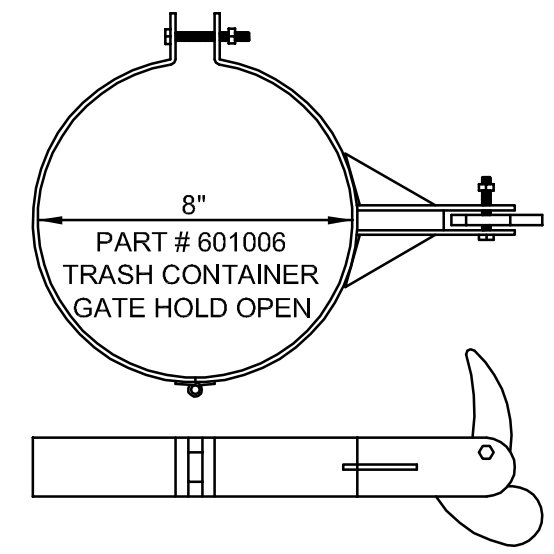
CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

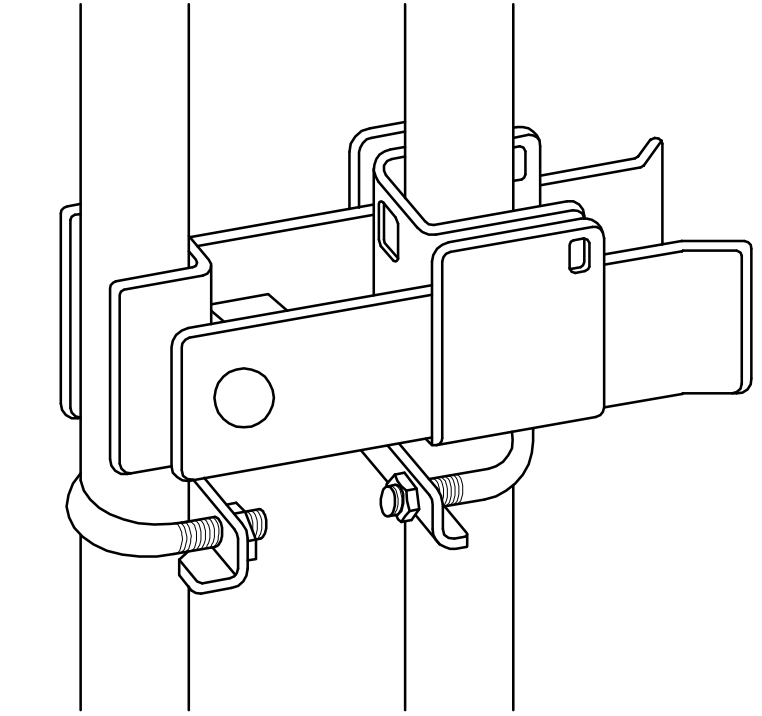
PROJECT:	"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED:	REVISIONS:	DRAWING INFORMATION:	GASOLINE ISLAND CANOPY ELEVATIONS
DESIGNED BY:	DLT	CHECKED BY:	PDR	DATE:	12/3/14
CONSTRUCTION DIVISION				AL-201	

CHAIN LINK SPECIFICATIONS			
FRAMEWORK	O.D.	WALL	LBS/LF
TOP RAIL	1 5/8"	.111	1.84
MID RAIL	1 5/8"	.111	1.84
BOTTOM RAIL	1 5/8"	.111	1.84
LINE POSTS	2 1/2"	.130	3.12
CORNER POST	3"	.160	4.64
END POST	3"	.160	4.64
MAIN GATE POSTS	6 5/8"	.280	
GATE FRAME	1 5/8"	.111	1.84
SERVICE GATE TYPE 13 FT. WIDE			
GAW MATERIAL 2" MESH 9 GAUGE COMMERCIAL VINYL/PLASTIC VERTICAL (BROWN) SLATS			

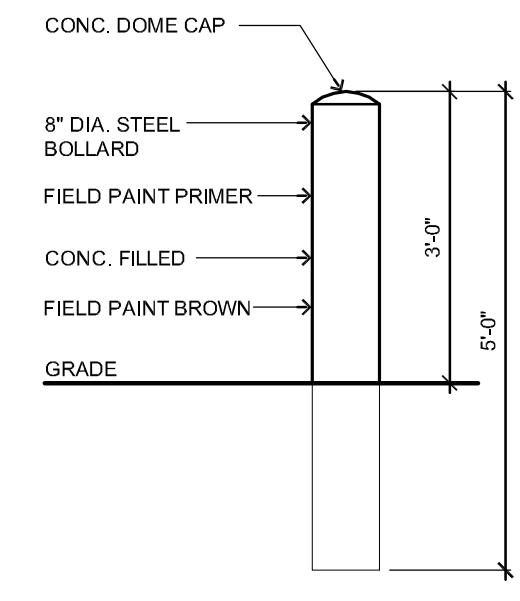
FITS 1 5/8" OR 2" FRAME ADJUSTS FOR 2" - 3" GAP NO. 4000
INSTALL GATE LATCH (COMMERCIAL) SUPPLIED BY CASEY'S PART # 601005



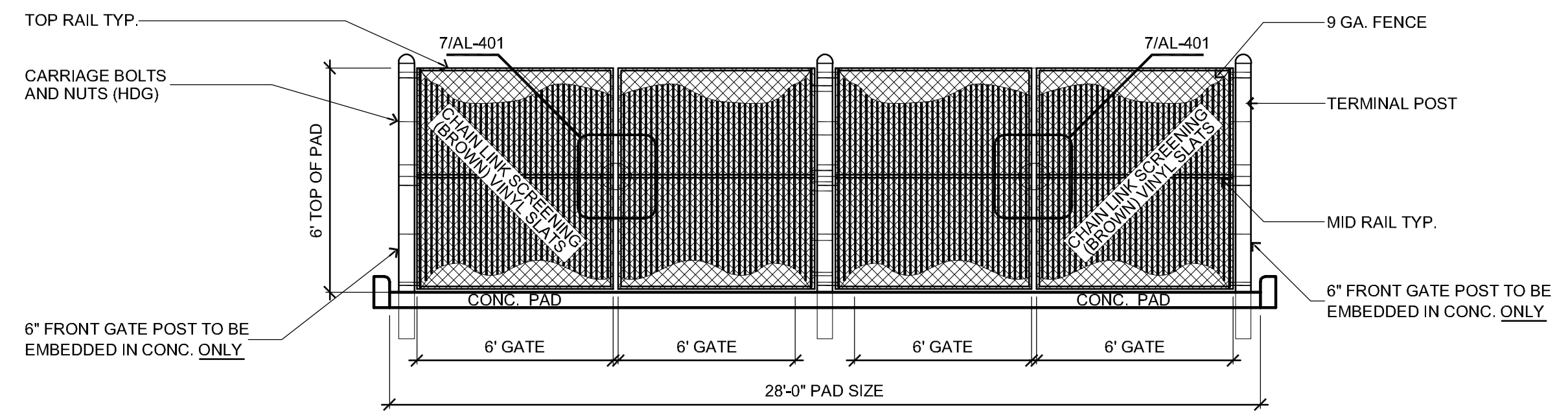
6 Gate Open Holder
No Scale



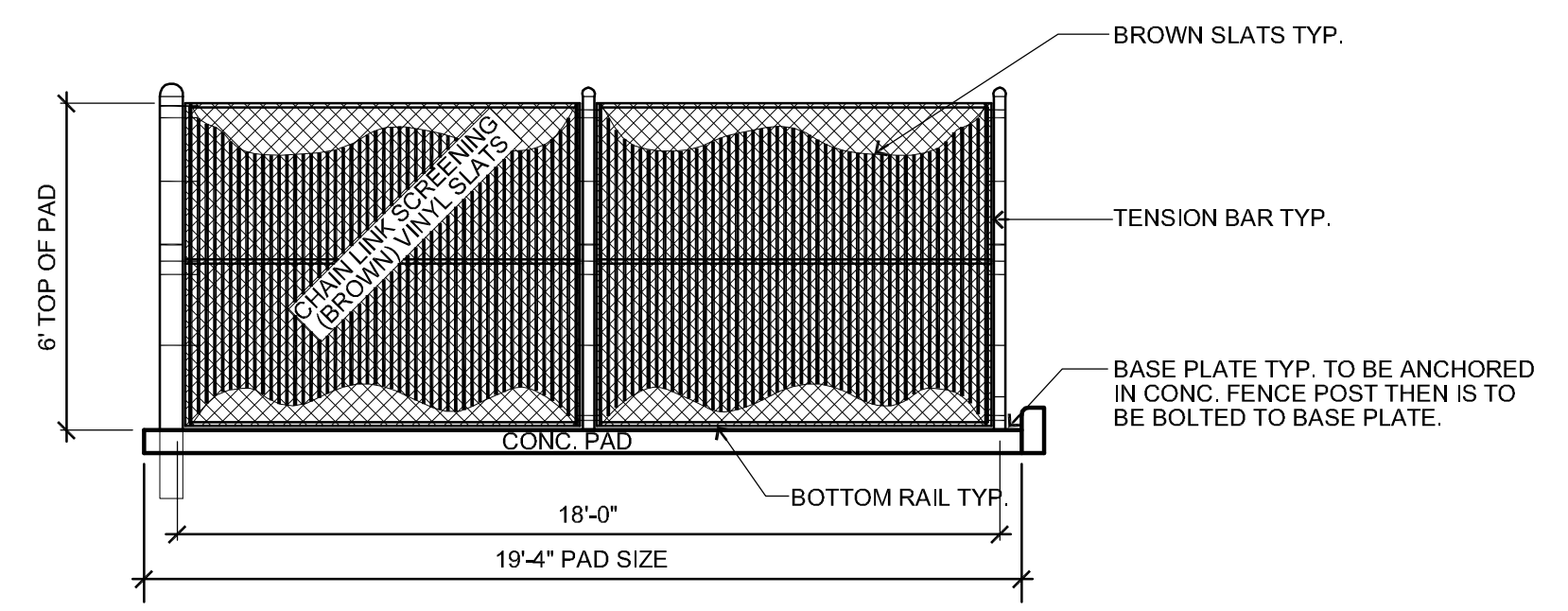
7 Commercial Double Gate Latch Detail
No Scale



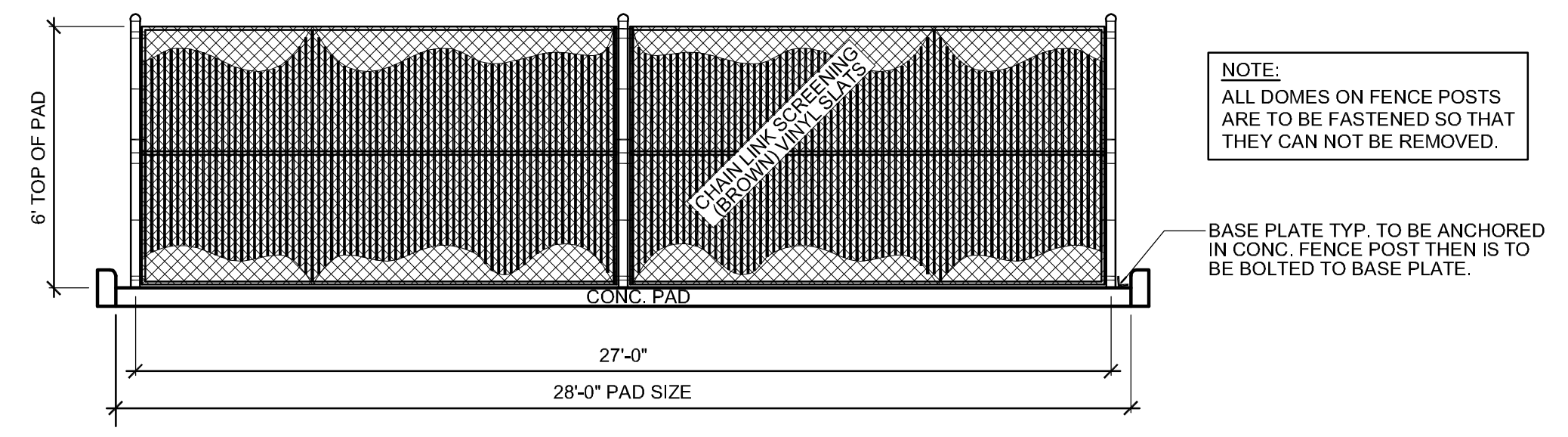
8 Bollard Detail
No Scale



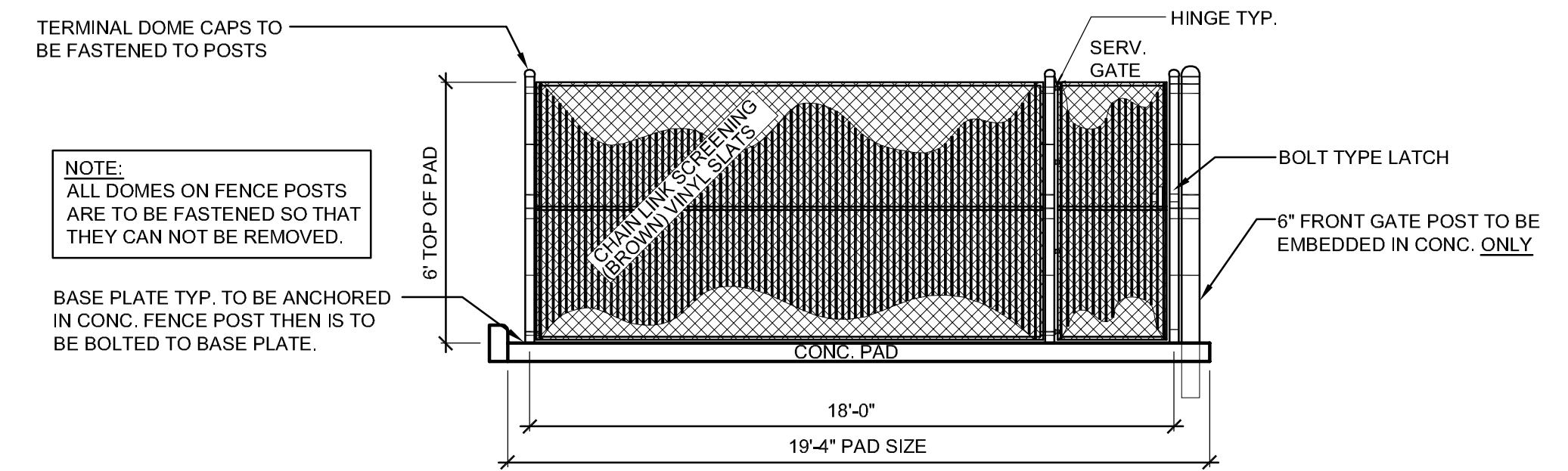
5 Dumpster Enclosure - South Elevation
1/4" = 1'-0"



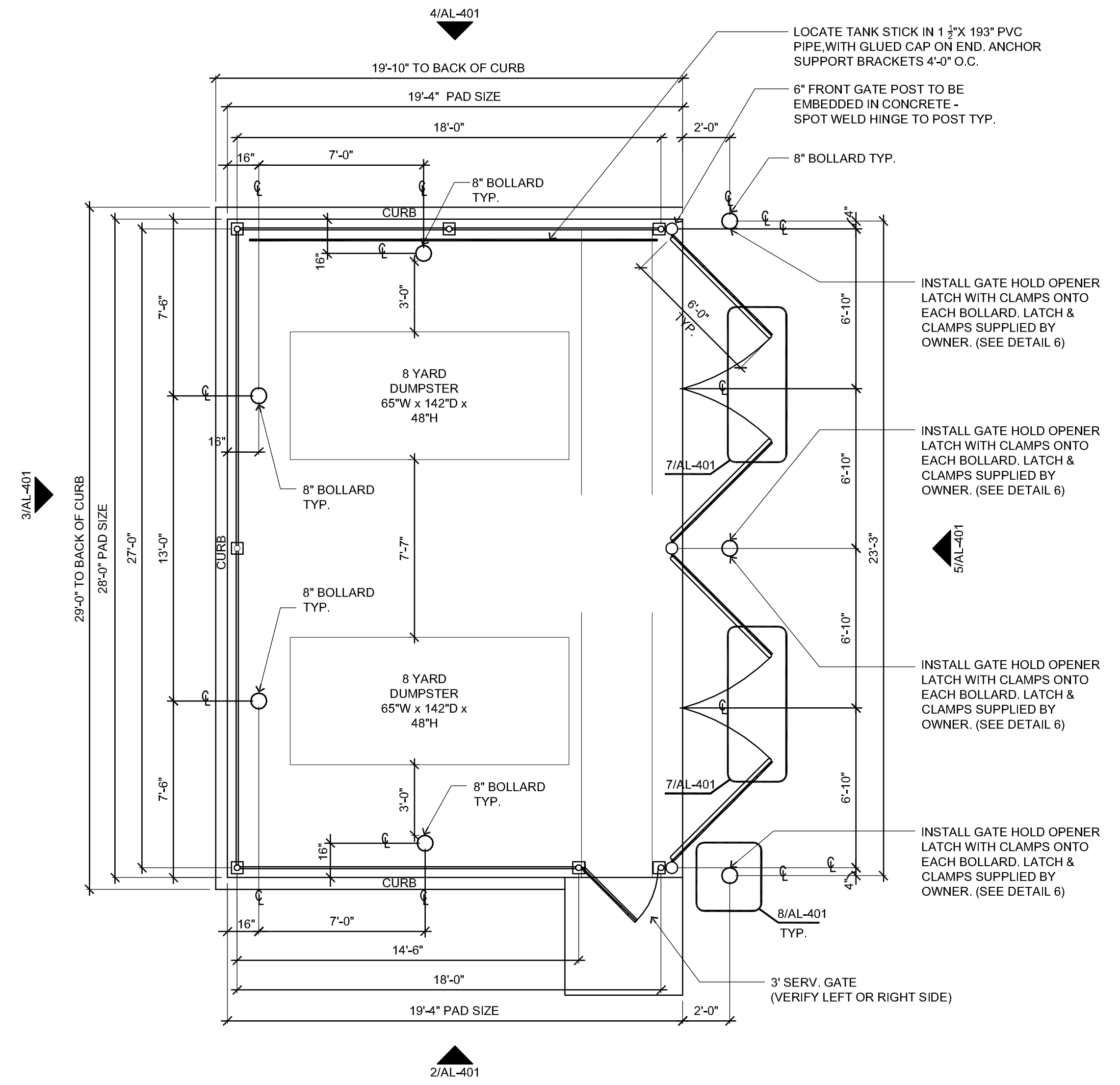
4 Dumpster Enclosure - East Elevation
1/4" = 1'-0"



3 Dumpster Enclosure - North Elevation
1/4" = 1'-0"



2 Dumpster Enclosure - West Elevation
1/4" = 1'-0"



1 Dumpster Plan
1/4" = 1'-0"

General Notes

1. RELATED SHEETS: FOR ADDITIONAL INFORMATION NOT DIRECTLY REFERENCED, SEE THE FOLLOWING SHEETS:
G-001 FOR GENERAL PROJECT NOTES
AL101 FOR GENERAL SITE PLAN

Construction Notes

- 1) ALL DOMES ON FENCE POSTS ARE TO BE FASTENED SO THAT THEY CAN NOT BE REMOVED.
- 2) VERIFY SCREENING WITH LOCAL AUTHORITY.
- 3) CONTRACTOR TO PRIME ALL 8" BOLLARDS PRIOR TO FINISHED PAINT COAT.

Chain Link Enclosure

RINGDAHL
110 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (507) 763-9368
fax (507) 762-9063

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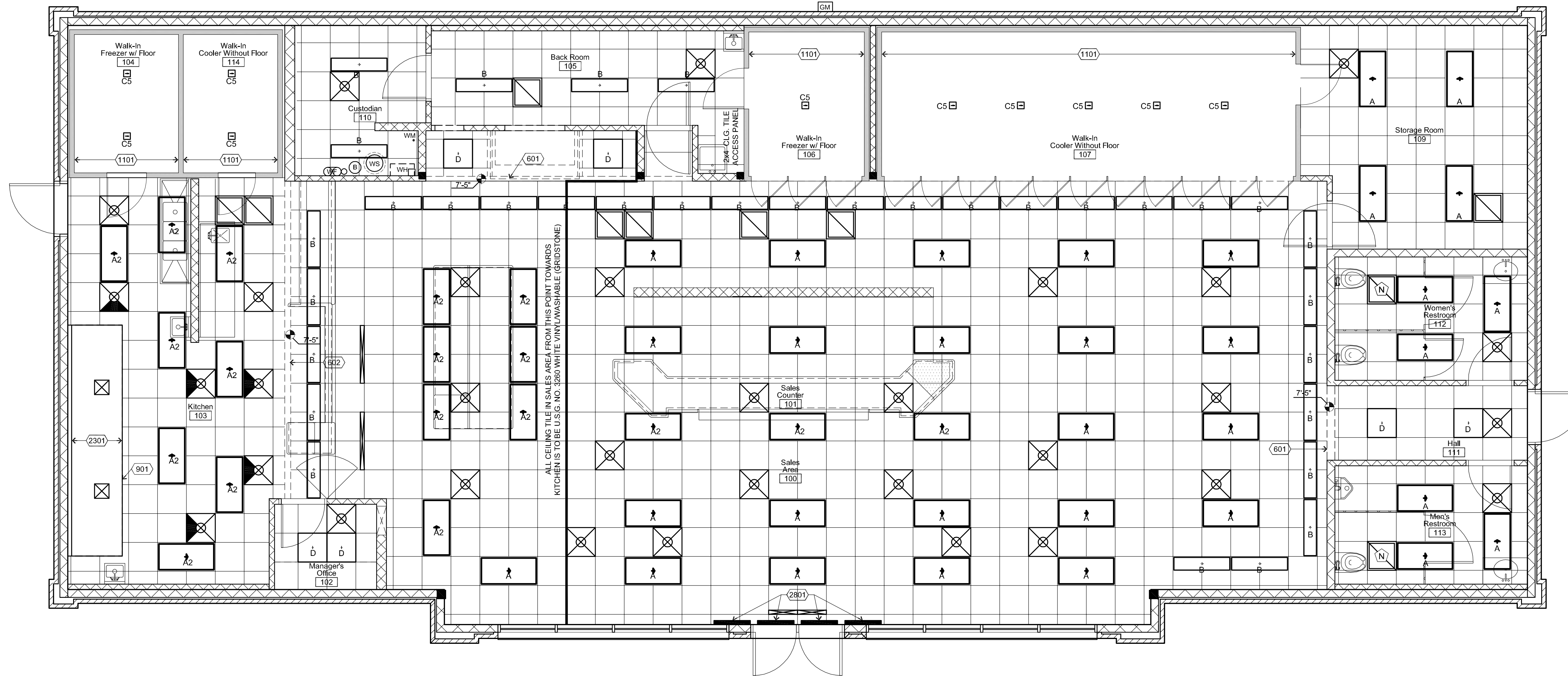
[Signature]
DATE: 12/23/11 REG. NO.:

PROJECT #C1417

CASEY'S Construction General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED: _____	REVISION INFORMATION:
CONSTRUCTION DIVISION	DESIGNED BY: PDR	DUMPSTER ENCLOSURE
DATE: _____	DATE: _____	AL-401



Wall Backing Plan
 1/4" = 1'-0"

General Notes

- REFER TO ALL DETAIL PAGES REFERENCED ON THIS PLAN
- REFER TO SHEET A-601 FOR: FINISH SCHEDULES, DOOR SCHEDULES, WINDOW SCHEDULES
- REFER TO SHEET A-101 FOR: WALL FRAMING INFORMATION

General Construction Notes

- FRAMING INSTRUCTIONS:**
 - 1.1 ALL PERIMETER FRAMED WALLS, 2x6 WD STUDS @ 16" O.C. VERIFY HEIGHTS; INSULATED WITH 6"x16" WIDE FRICTION FIT INSULATION, EXCEPT AS DIRECTED BY KEYED NOTES.
 - 1.2 FRONT WALL SAME AS ABOVE, EXCEPT 2x6 WD STUDS, SEE STRUCTURAL DRAWINGS FOR FRAMING ELEVATION AND DETAILS.
 - 1.3 ALL INTERIOR FRAMED PARTITION WALLS, 2x4 WD STUDS @ 16" O.C. VERIFY HEIGHTS; EXCEPT AS DIRECTED BY KEYED NOTES.
 - 1.4 ALL FRAMING MATERIAL: CONSTRUCTION GRADE OR BETTER.
 - 1.5 USE TREATED (WOLMANIZED) BOTTOM PLATE, WHEREVER MEETS CONCRETE, SEAL TO CONC FLOOR WITH CONSTRUCTION ADHESIVE.
 - 1.6 ALL BACKING/BLOCKING 2x6, FLUSH W/ ROUGH FRAMING; HEIGHTS INDICATED ON PLANS (BK @ xx") ARE FROM FLOOR (AFF) CENTER OF BLOCKING.
 - 1.7 EXTERIOR NON-COMBUSTIBLE WALL, 2x6, 18 GAGE STEEL STUDS, ENTIRE END WALL, USING STEEL TOP AND BOTTOM PLATES.
- SEAL ALL CABINETS AND SALES COUNTER TO FLOOR.
- DO NOT FRAME UP UTILITY ROOM WALLS UNTIL THE COMPRESSOR RACK HAS BEEN INSTALLED BY H.V.A.C.
- H.V.A.C. EQUIPMENT INSTALLED BY CASEY'S PROVIDED INSTALLERS.
- BACKING IN THESE AREAS WILL CONSIST OF 1/2" CDX PLYWOOD ENTIRE LENGTH OF WALL. PLYWOOD TO RUN FROM F.F. TO CEILING HEIGHT.

Keyed Construction Notes

- DIVISION 1 - GENERAL INFORMATION**
- 601 COORDINATE PARTITION AND HEADER CONSTRUCTION WITH COOLER / FREEZER PACKAGE.
 - 606 PRE-ASSEMBLED CASEWORK, CTOP = 42" A.F.F., ADA COUNTERTOP [SHADED], TOP HEIGHT = 34" A.F.F.
 - 609 RECESSED CASEWORK SLAT WALL
 - 611 DO NOT INSTALL PLATFORM UNTIL HVAC (DUCT WORK) HAS BEEN INSTALLED
- DIVISION 6 - WOOD, PLASTICS, COMPOSTIES**
- 601 OVERHEAD PARTITION HEADERS: NOMINAL 2x4 FRAMING, ALIGN WITH ADJACENT PARTITIONS OR AS DIMENSIONED, U.N.O. 7'-5" A.F.F. LAZER LEVEL ALL HEADER HEIGHTS
 - 602 WALL BRACES ON COOLER / FREEZER: EXTEND ABOVE ADJACENT CEILING; ADD SUPPORT AS NEEDED, BRACE TO ROOF PURLINS AND GLUE TO ROOF PURLINS AND CABINET DO NOT NAIL INTO CABINET.
 - 603 RAISED PLATFORM AT SALES COUNTER: 2x6 FRAMING ON EDGE, SPACED @ 12" O.C. WITH BRIDGING AT MIDPOINT AND 3/4" SUB-FLOOR DECKING WITH 5/8" DURALOCK ON TOP SURFACE; APPLY BEAD OF SEALANT CONTINUOUS ON BOTTOM OF PERIMETER FRAME BEFORE SETTING, ANCHOR TO FLOOR. SEE DETAIL 7/A-501. INSTALL THIN SET PRIOR TO 5/8" DURALOCK. REFER TO CONSTRUCTION NOTE 111. **PLATFORM NOT INSTALLED IN NEBRASKA STORES!!**

DIVISION 6 - WOOD, PLASTICS, COMPOSTIES CONT.

- 604 CASEWORK UNITS: SUPPLIED BY CASEY'S, INSTALLED BY CONTRACTOR, SEAL TO FLOOR.
- 606 SEE STRUCTURAL DRAWINGS FOR FRAMING ELEVATION AND DETAILS, FRONT WALL ONLY
- 607 NON-COMBUSTIBLE WALL: WITHIN LIMITS INDICATED, 2x6 18 GAGE STEEL STUDS @ 16" O.C.; INSTALL 16" FRICTION FIT INSULATION AND SUPPORT WITH 1/2" METAL BANDING HORIZONTAL @ 12" O.C. ON INTERIOR SIDE OF WALL; FINISH WITH STAINLESS STEEL PANELS. (REFER TO SHEET AQ-401 FOR BACKING LOCATION FOR STAINLESS STEEL PANELS)
- 608 OFFICE COUNTER AND WALL SHELF, CHERRY; SEE A-402, DETAIL 6.
- 609 ALL WOOD BLOCKING TO BE 2 x 6 INSTALLED HORIZONTALLY U.N.O., HEIGHT FROM FINISH FLOOR INDICATED NEXT TO NOTE. COORDINATE INSTALLATION OF BLOCKING WITH EQUIPMENT. FIRE RESISTANT BLOCKING TO BE USED IN KITCHEN HOOD AREA.
- 609A RESTROOM PARTITION BACKING, ENTIRE 16" STUD CAVITY IS TO BE SHEATHED WITH RECESSED BRACING & 1/2" PLYWOOD.
- 609B 3/4" PLYWOOD BACKING FOR SECURITY MONITORS.
- 609C SECURITY LIGHT BACKING - 2' LENGTH @ 9'-10" & 10'-4"
- 609D ON-DEMAND GAS WATER HEATER BACKING, STUD CAVITIES TO BE SHEATHED WITH RECESSED BRACING & 1/2" PLYWOOD. (TOTAL OF 24" OUT FROM CORNER)
- 612 2X6 BRACING ON EDGE. LOCATE AT TOP OF WALL HEIGHT TO BRACE RESTROOM DOOR WALLS.

DIVISION 9 - FINISHES

- 901 WALL COVERING INSTALLED PRIOR TO ELECTRICAL PANEL
 - 902 INSTALL FLOOR BASE IN UTILITY ROOM PRIOR TO INSTALLATION OF HVAC EQUIPMENT
 - 903 CUT FRP WALL COVERINGS TO FIT TIGHT TO STAINLESS STEEL PANELS AT KITCHEN EXHAUST HOOD
- DIVISION 10 - SPECIALTIES**
- 1001 RECESSED PAPER TOWEL DISPENSER AND TRASH RECEPTACLE: ROUGH OPENING 16" W. x 54-3/4" H. x 4" D., SET 6-1/2" A.F.F..
 - 1002 ACCESS PANEL IN WALL @ EXTERIOR HOSE BIB, COORDINATE WITH PLUMBING PLAN P-102
 - 1003 DOUBLE TOILET PAPER HOLDER: SURFACE MOUNT.
 - 1004 ADA COMPLIANT SIGNAGE, 60" CNTR. A.F.F. & 3" OFF LATCH SIDE OF DOOR
 - 1005 BABY CHANGING STATION: HORIZONTAL WALL-MOUNTED. MOUNT ACCORDING TO MANUFACTURER'S SPECIFICATIONS. PROVIDE SUPPORT BLOCKING IN WALL @ 3'-0" & 3'-9"
 - 1008 ELECTRIC HAND DRYER: EXCEL XLERATOR, SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR. COORDINATE WITH ELECTRIC. MOUNT BOTTOM OF DRYER 40" A.F.F.

DIVISION 11 - EQUIPMENT

- 1101 COOLER / FREEZER UNITS: SUPPLIED AND INSTALLED BY OTHERS, DOORS INCLUDED. (SET 1" OFF FRAMING WALL) GLASS DOORS AND FRAMES INSTALLED BY GENERAL CONTRACTORS
- DIVISION 21 - FIRE SUPPRESSION**
- 2101 EXHAUST HOOD FIRE SYSTEM @ 45" A.F.F.

DIVISION 23 - HEATING, VENTILATING & AIR-CONDITIONING

- 2301 16" STAINLESS STEEL KITCHEN EXHAUST HOOD, SEE MECHANICAL DRAWINGS.
- 2302 DRYER EXHAUST: VENT THROUGH BACK WALL, REFER TO SHEET A-202.

DIVISION 25 - INTEGRATED AUTOMATION

- 2501 RECESSED VEEDER ROOT TANK MONITOR SYSTEM.

DIVISION 26 - ELECTRICAL

- 2601 ELECTRICAL SERVICE ENTRANCE: COORDINATE ELECTRICAL DRAWINGS.
- 2602 ELECTRICAL PANELS: SEE ELECTRICAL DRAWINGS.

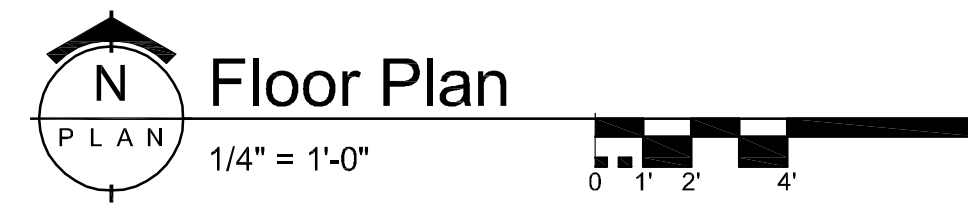
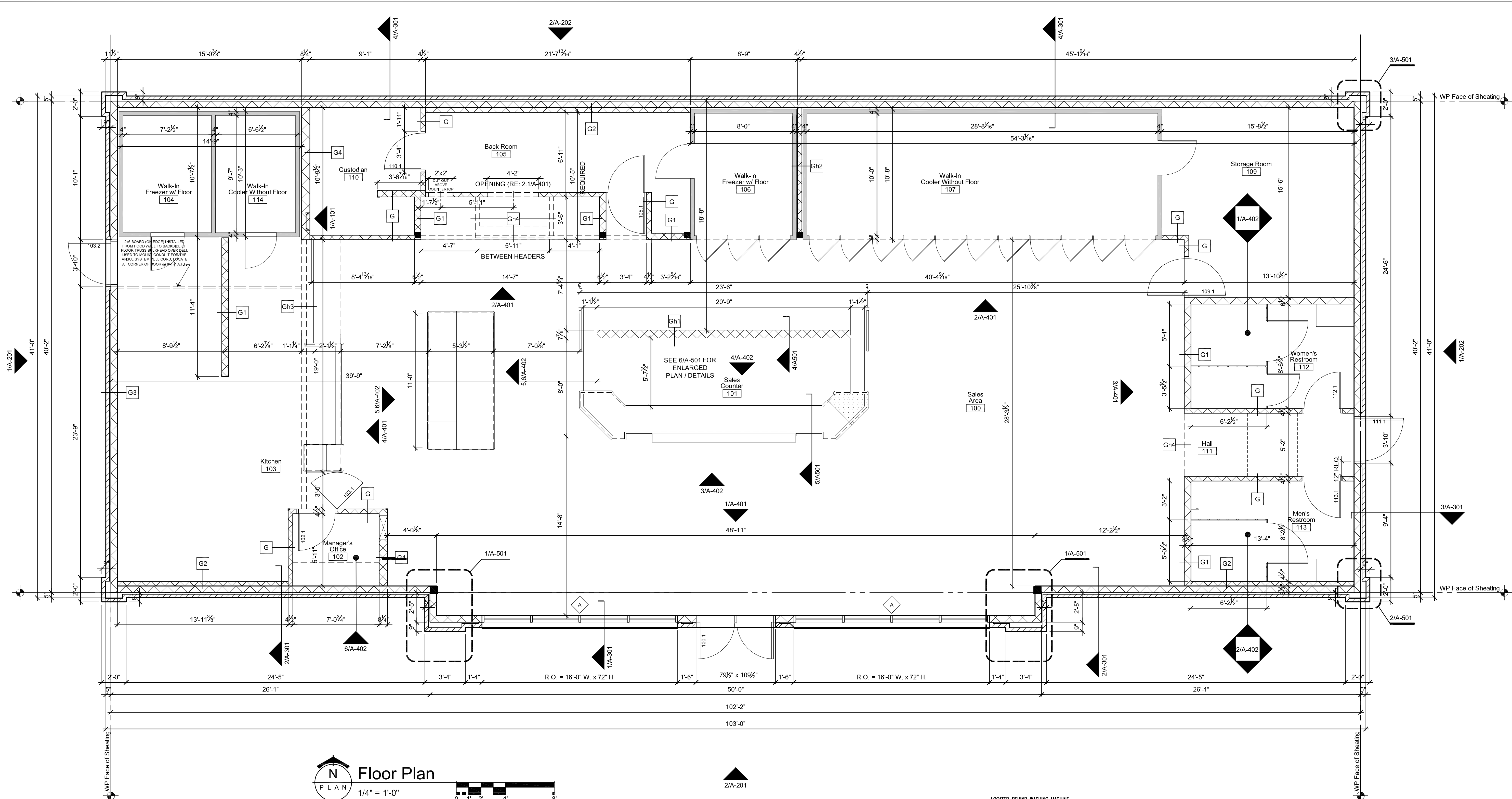
DIVISION 27 - COMMUNICATIONS

- 2701 PHONE: INSTALL PHONE JACK IN CASEWORK @ FRONT COUNTER AND IN WALL @ MANAGER'S OFFICE

DIVISION 28 - ELECTRONIC SAFETY & SECURITY

- 2801 REMOTE PULL: SEE DETAIL SHEET AQ-101

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PROJECT #C1417			
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100			
PRODUCT: CONSTRUCTION DIVISION DLT	REVISED ON:	DATE:	DIVISION INFORMATION: WALL BACKING PLAN
"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)			A-100



General Notes

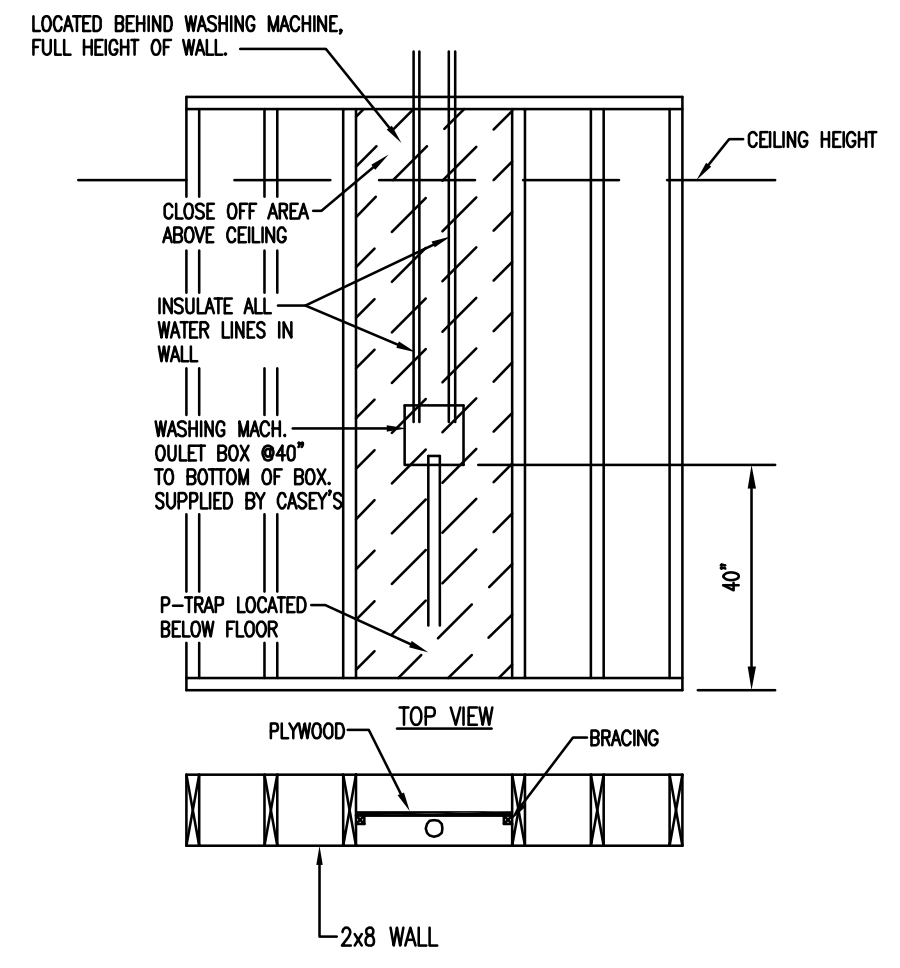
- REFER TO ALL DETAIL PAGES REFERENCED ON THIS PLAN
- REFER TO SHEET A-601 FOR: FINISH SCHEDULES, DOOR SCHEDULES, WINDOW SCHEDULES
- REFER TO SHEET A-100 FOR: BACKING LOCATIONS

General Construction Notes

- FRAMING INSTRUCTIONS:**
 - 1.1 ALL PERIMETER FRAMED WALLS, 2x6 WD STUDS @ 16" OC. VERIFY HEIGHTS; INSULATED WITH 6"x16" WIDE FRICION FIT INSULATION, EXCEPT AS DIRECTED BY KEYED NOTES.
 - 1.2 FRONT WALL SAME AS ABOVE, EXCEPT 2x6 WD STUDS, SEE STRUCTURAL DRAWINGS FOR FRAMING ELEVATION AND DETAILS.
 - 1.3 ALL INTERIOR FRAMED PARTITION WALLS, 2x4 WD STUDS @ 16" OC, VERIFY HEIGHTS; EXCEPT AS DIRECTED BY KEYED NOTES.
 - 1.4 ALL FRAMING MATERIAL: CONSTRUCTION GRADE OR BETTER.
 - 1.5 USE TREATED (WOLMANIZED) BOTTOM PLATE, WHEREVER MEETS CONCRETE, SEAL TO CONC FLOOR WITH CONSTRUCTION ADHESIVE.
 - 1.6 ALL BACKING/BLOCKING 2x6, FLUSH W/ ROUGH FRAMING; HEIGHTS INDICATED ON PLANS (BK @ xx") ARE FROM FLOOR (AFF) CENTER OF BLOCKING.
 - 1.7 EXTERIOR NON-COMBUSTIBLE WALL, 2x6, 18 GAGE STEEL STUDS, ENTIRE END WALL, USING STEEL TOP AND BOTTOM PLATES.
- SEAL ALL CABINETS AND SALES COUNTER TO FLOOR.
- DO NOT FRAME UP UTILITY ROOM WALLS UNTIL THE COMPRESSOR RACK HAS BEEN INSTALLED BY H.V.A.C.
- H.V.A.C. EQUIPMENT INSTALLED BY CASEY'S PROVIDED INSTALLERS.
- ALL EXTERIOR WALLS ARE SUPPLIED BY OWNER
- ALL INTERIOR WALLS ARE TO BE SUPPLIED BY CONTRACTOR AND BUILT ON-SITE

Key - Wall Type

- G 3 1/2" WOOD STUD (TYPICAL UNLESS NOTED OTHERWISE) RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL
- G1 5 1/2" WOOD STUD. RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL
- G2 3 1/2" WOOD STUD FUR OUT OF EXTERIOR WALL FOR PLUMBING
- G3 5 1/2" METAL STUD. RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL
- G4 7 1/2" WOOD STUD. RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL.
- Gh1 5 1/2" WOOD STUD. FINISH HEIGHT = 5'-2" A.F.F. CORNER BEAD ALL OUTSIDE CORNERS. WOOD CAP AND COVE ON TOP OF WALL
- Gh2 3 1/2" WOOD STUD SHEAR WALL. SHEET BOTH SIDES WITH 1/2" OSB.
- Gh3 4"x2" WOOD FLOOR TYPE TRUSS BEAM SUPPLIED BY STRUCTURAL COMPONENT SYSTEMS. CONTRACTOR TO SHEET SALES AREA SIDE WITH 3/4" PLYWOOD BEFORE FINISHING. RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL. RE: A-401, DETAIL 4, INTERIOR ELEVATIONS
- Gh4 3 1/2" WOOD STUD BULKHEAD BUILT ACROSS OPENINGS FOR GRAPHICS ATTACHMENT. FACE BOTH SIDES, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH.



1 Washing Machine Outlet Box
N.T.S.

RINGDAHL
110 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (507) 763-9368
fax (507) 762-9063

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[Signature]
DATE: 12/23/11 REG. NO. 1091

PROJECT #C1417

CASEY'S Construction General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "02" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)
DESIGNED BY: DLT
REVISED ON: PDR

FLOOR PLAN

A-101

General Notes

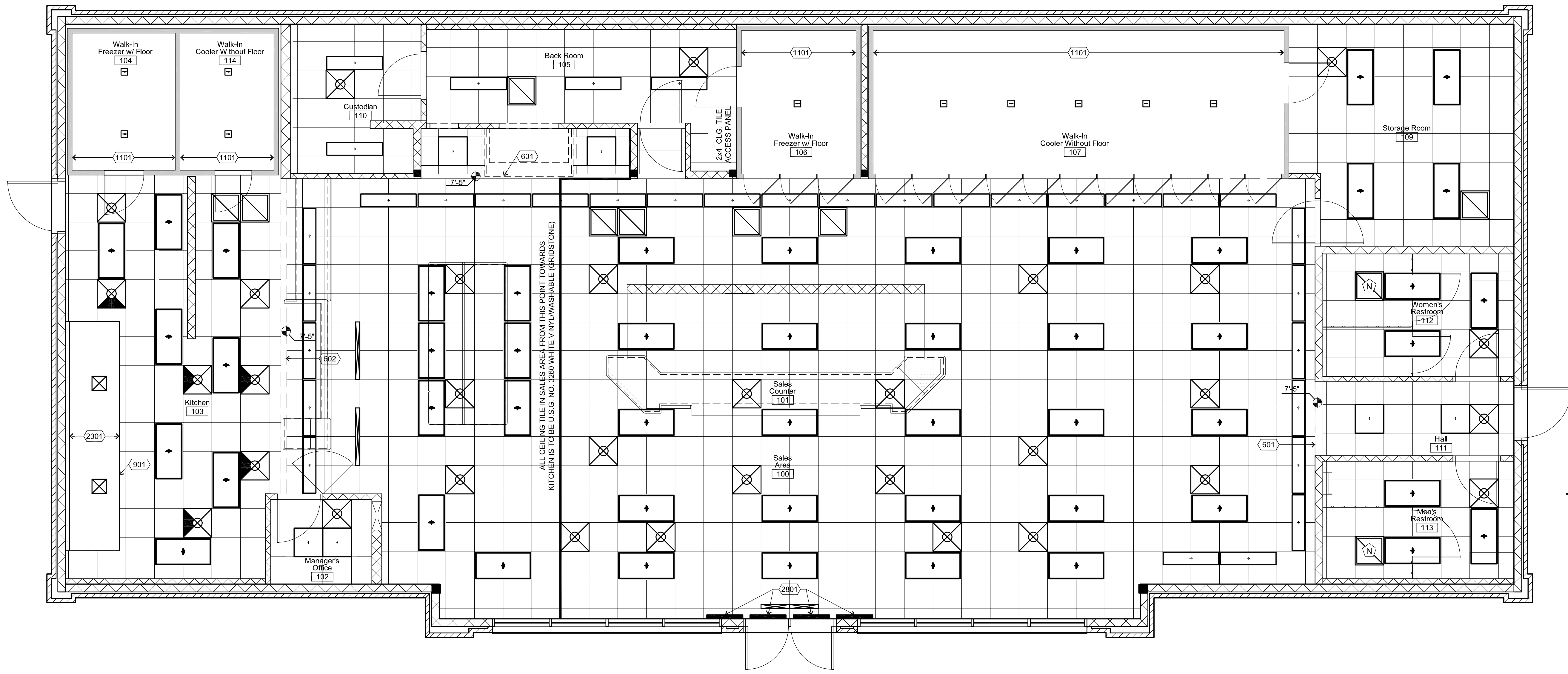
- CENTER CEILING GRID IN SPACES, UNO.
- 1 EXTRA FULL BOX OF FLOOR TILE TO BE LEFT ON TOP OF COOLER NEXT TO THE HATCH DOOR.
- SEE ELECTRICAL LIGHTING PLAN, E-102 FOR LIGHT FIXTURE SPECIFICATIONS.
- SEE SECURITY PLAN, T-101 FOR SECURITY CAMERA LOCATIONS. COORDINATE WITH CEILING LAYOUT.

Construction Notes

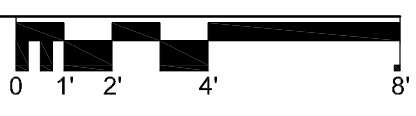
- DIVISION 06 - WOOD PLASTICS, AND COMPOSITES**
- 601 PARTITION HEADER, SEE PLAN A-101 FOR LOCATION AND CONSTRUCTION INFORMATION.
 - 602 4"x2" WOOD FLOOR TYPE TRUSS BEAM SUPPLIED BY STRUCTURAL COMPONENT SYSTEMS. CONTRACTOR TO SHEET SALES AREA SIDE WITH 3/4" PLYWOOD BEFORE FINISHING.
RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL.
RE: A-401, DETAIL 4, INTERIOR ELEVATIONS
- DIVISION 09 - FINISHES**
- 901 T-BAR GRID AROUND EXHAUST HOOD, DO NOT ATTACH TO HOOD
- DIVISION 11 - EQUIPMENT**
- 1101 COOLER / FREEZER PACKAGES WITH CEILINGS AND LIGHTING INCLUDED.
- DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING**
- 2301 EXHAUST HOOD AT KITCHEN, SEE MECHANICAL DRAWINGS.
- DIVISION 28 - ELECTRONIC SAFETY AND SECURITY**
- 2801 SECURITY MONITORS, SEE SHEET T-101

Symbols Legend

- 2x2 DIFFUSER LOCATION TYP.
- 2x2 RETURN AIR DIFFUSER TYP.
- RESTROOM EXHAUST FAN
-
- 2x4 CREE, INC. LED LIGHTING FIXTURE (SALES AREA, KITCHEN, & RESTROOMS)
-
- 2x2 CREE LIGHTING SOLUTIONS, INC. LED LIGHTING FIXTURE (MANAGER'S OFFICE & HALL WAY)
- ELECTRALED, INC. LED LIGHTING FIXTURE (SALES AREA & KITCHEN COOLERS/FREEZERS)
- COMPONENT HARDWARE LED LIGHTING FIXTURE (WALK-IN BEER COOLER)
-



Reflected Ceiling Plan
1/4" = 1'-0"



CEILING FINISHES SCHEDULE

ROOM	HEIGHT	2' x 2' CEILING PANELS W/1HR. FIRE RATED GRID (WHITE)	APPROVED	REMARKS AND COMMENTS	
SALES AREA, 100 & 101	11'-0"	U.S.G. NO. 2115 WHITE (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 10)			X
MANGERS OFFICE, 102	8'-6"	U.S.G. NO. 2115 WHITE (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 10)			X
KITCHEN, 103	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X
WALK-IN FREEZER, 104				NO CEILING HEIGHT IN WALK-IN FREEZER	
WALK-IN COOLER, 114				NO CEILING HEIGHT IN WALK-IN COOLER	
BACK ROOM, 105	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X
WALK-IN FREEZER, 106				NO CEILING HEIGHT IN WALK-IN FREEZER	
WALK-IN COOLER, 107				NO CEILING HEIGHT IN WALK-IN COOLER	
STORAGE ROOM, 109	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X
CUSTODIAN, 110	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X
HALL, 111	8'-6"	U.S.G. NO. 2115 WHITE (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 10)			X
MEN'S RESTROOM, 113	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X
WOMEN'S RESTROOM, 112	8'-6"	U.S.G. NO.3260 WHITE VINYL/WASHABLE (GRIDSTONE) (CLASS "A" FLAME SPREAD: 25, SMOKE DEVELOPED: 5)	USDA		X

Schedule Notes

- REFER TO SHEET E-102 FOR LIGHTING LAYOUT. ALL PANELS ARE 2' x 2'. NOTE: ALL MAIN RUNNER CEILING SUPPORTS TO BE INSTALLED PERPENDICULAR WITH THE ROOF TRUSS. MIN. 12 GAUGE WIRE FOR SUPPORTING CEILING. DO NOT INSTALL WIRE SUPPORT AT EQUIPMENT OR SERVICE DOOR AREA. INSTALL 3270 FULL 2x4' TILE AT WALK-IN FREEZERS SERVICE DOOR AREA. (REFER TO THIS PAGE)
- ONE HOUR GUARD SUSPENDED CEILING GRID INFORMATION: ARMSTRONG WHITE GRID SYSTEM. ALUMINUM GRID CAP, ENTIRE STORE.
12" - MAIN - #5099 (OR EQUAL)
4" - TEE - #5097
2" - TEE - #5096
WALL CHANNEL #5098
- X = CONTRACTOR TO SUPPLY
- NOTE THAT WASHABLE CEILING TILE IS TO BE USED ABOVE THE COFFEE BAR AND ANY FOOD PREP AREA AS WELL.

RINGDAHL
110 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (507) 763-0368
fax (507) 762-9063

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[Signature]
DATE: 12/24/17 REG. NO. 1091

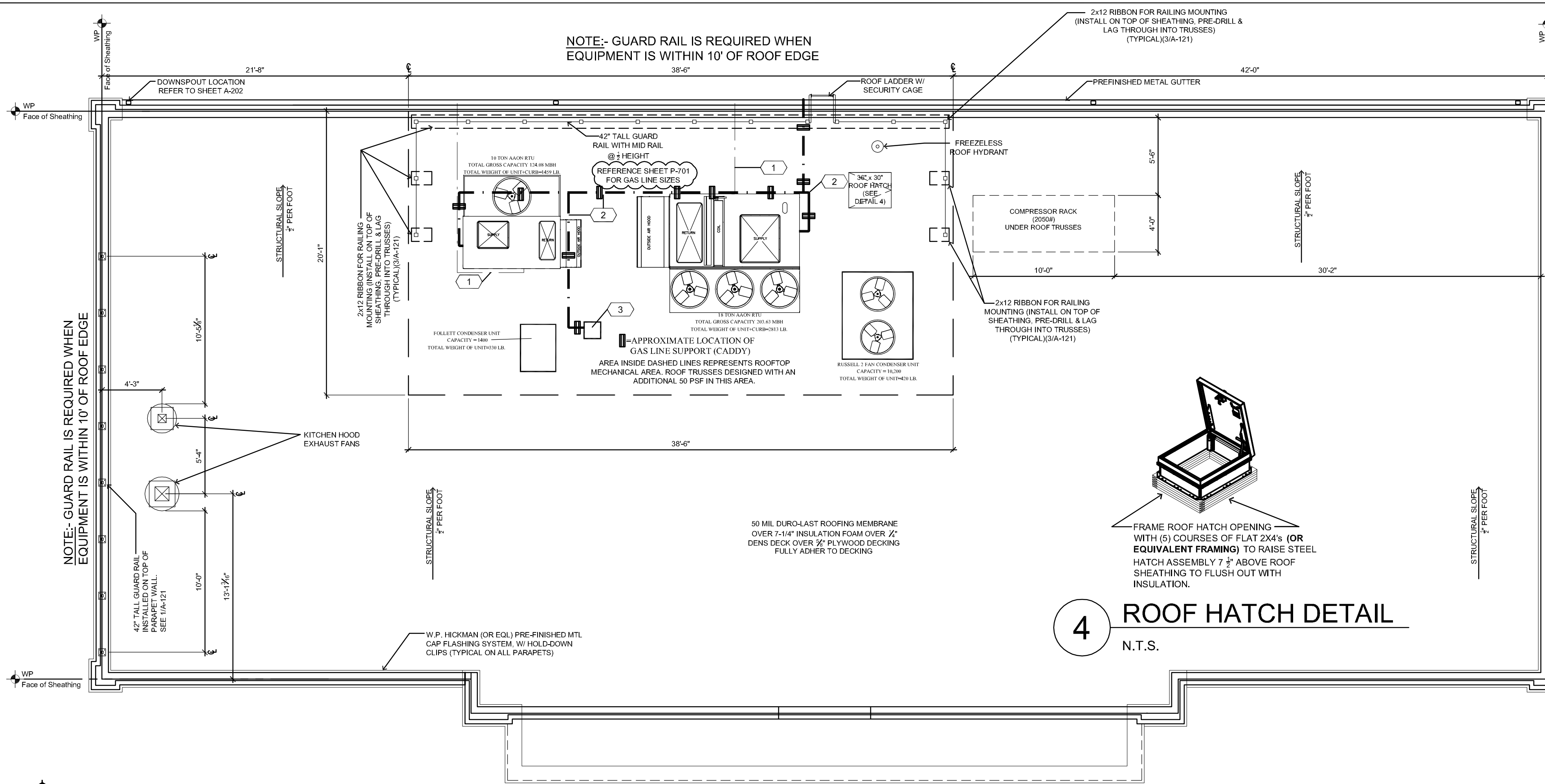
PROJECT #C1417

CASEY'S General Store

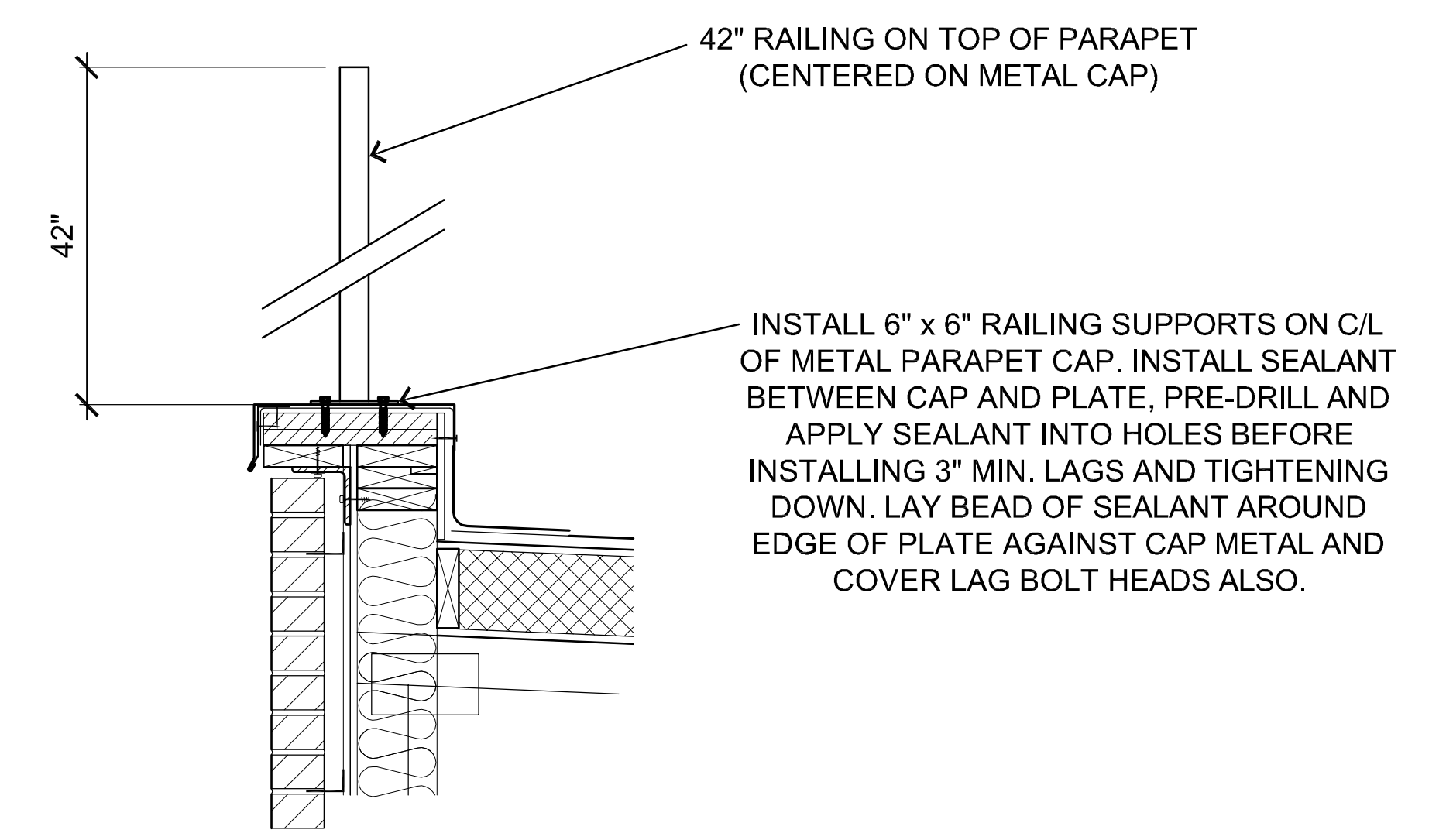
CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)
CONSTRUCTION DIVISION
DESIGNED BY: DLT
CHECKED BY: PDR

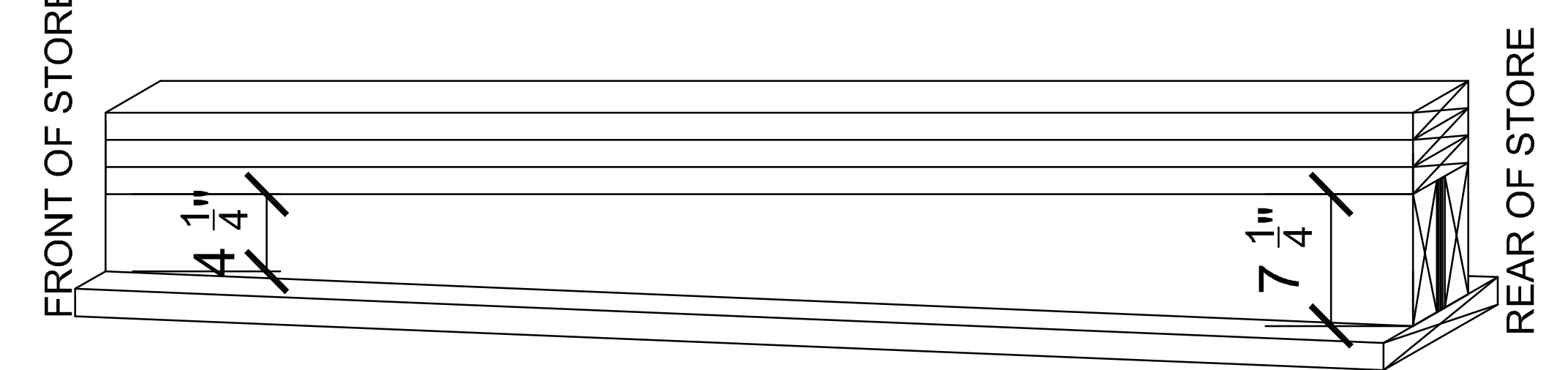
REFLECTED CEILING PLAN
A-111



4 ROOF HATCH DETAIL
N.T.S.

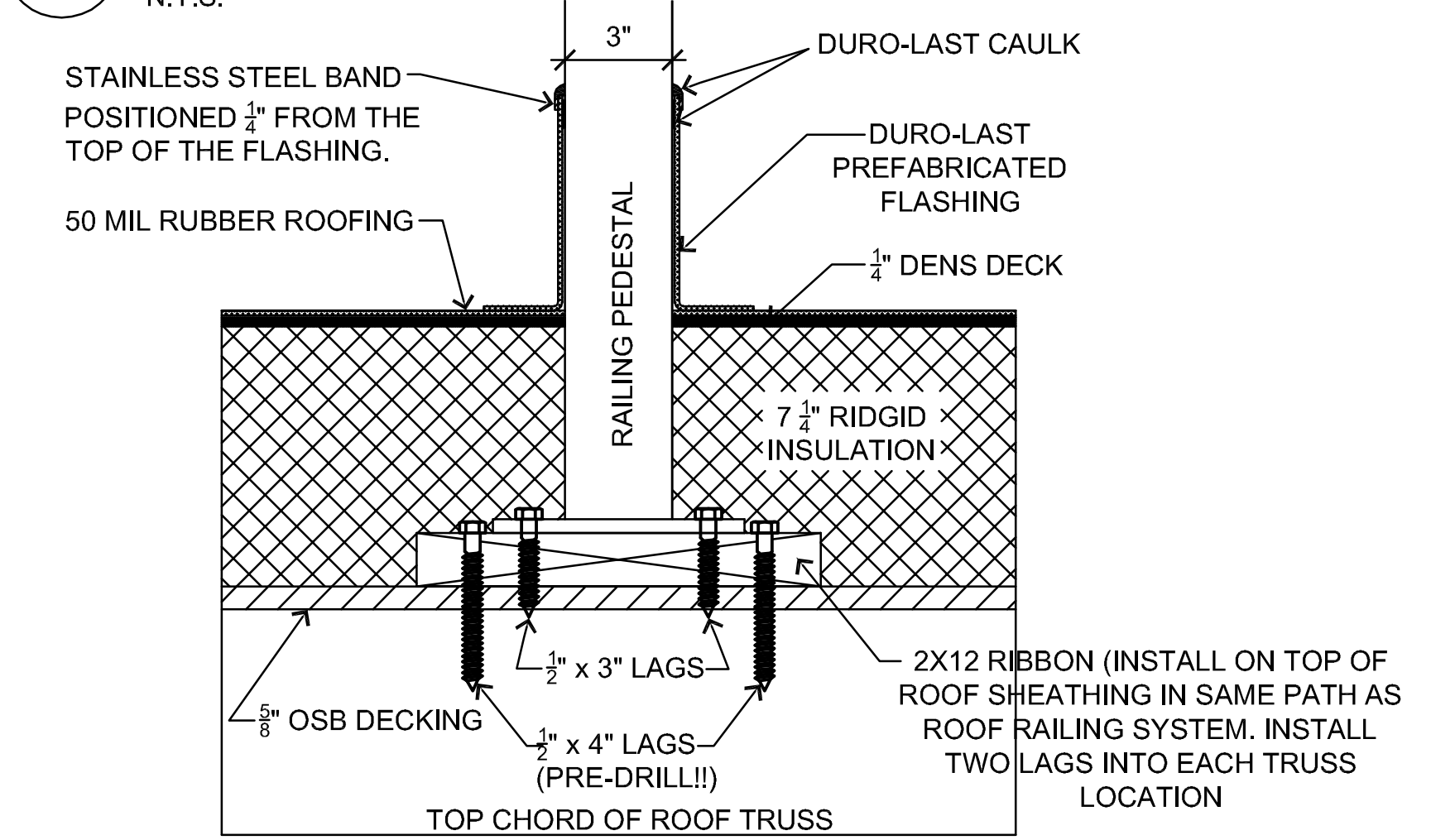


1 PARAPET RAILING DETAIL
N.T.S.



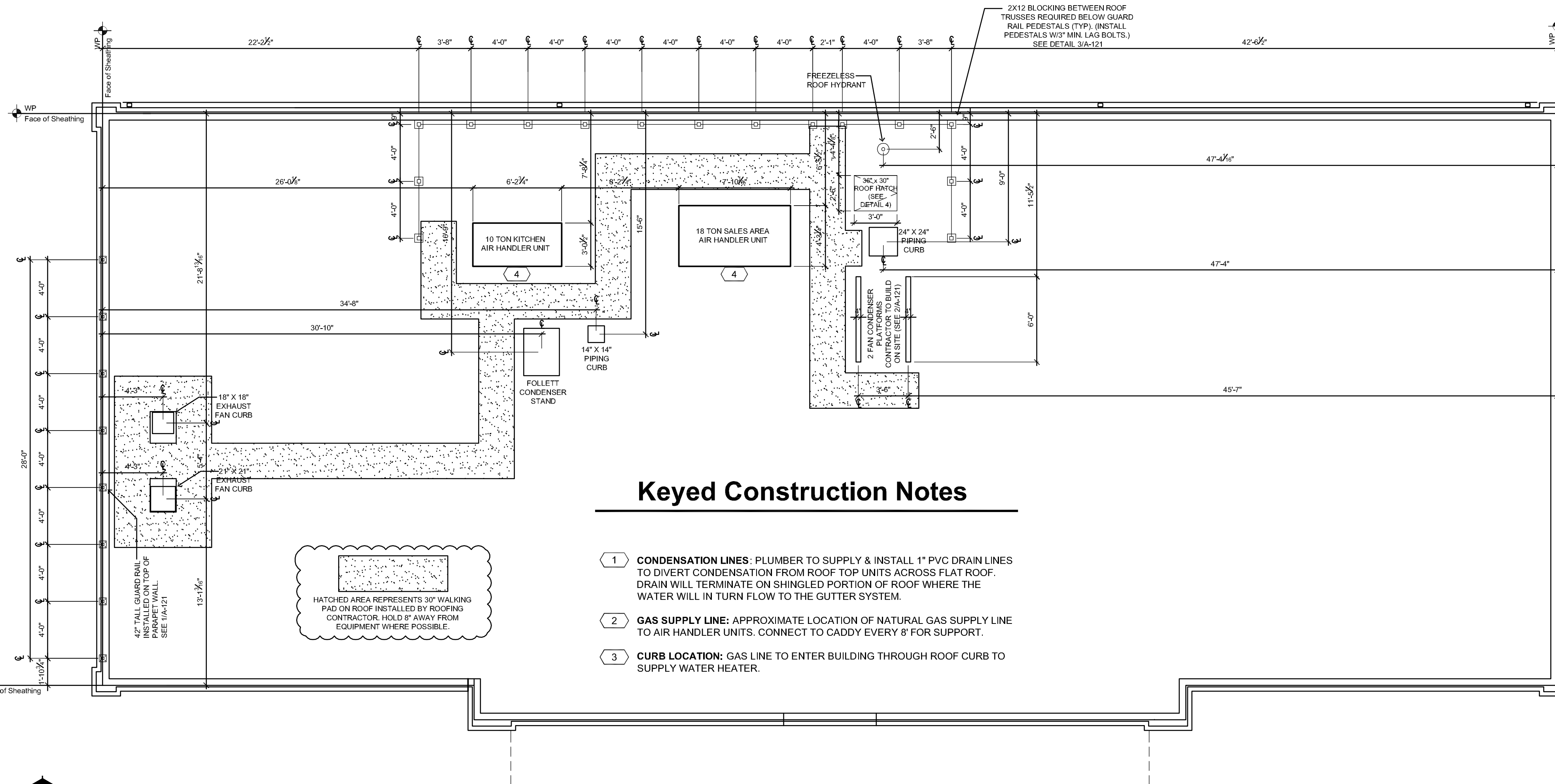
CONDENSER FAN ROOF CURBS:
SANDWICH A PIECE OF 1/2" OSB BETWEEN (2) 6' 2X8s. TO ADJUST FOR ROOF PITCH, RIP ENTIRE BLOCK OF LUMBER SO THAT ONE END MEASURES 4 1/4" AND THE OTHER END OF THE 6' PIECE IS STILL FULL DEPTH. ATTACH (3) 2X4s TO THE TOP AND (1) 2X8 TO THE BOTTOM.

2 CONDENSER FAN CURB DETAIL
N.T.S.



3 RAILING PEDESTAL MOUNTING DETAIL
N.T.S.

Roof Equipment Layout Plan
3/16" = 1'-0"



RINGDAHL
110 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (520) 763-9368
fax (520) 762-9063

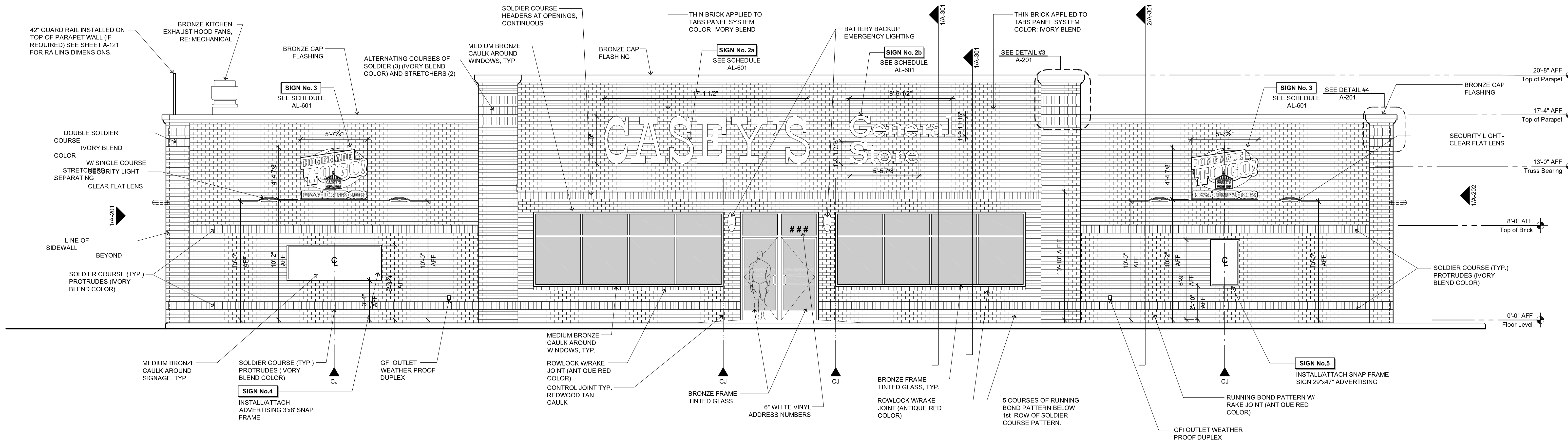
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DATE: _____ REG. NO.: _____

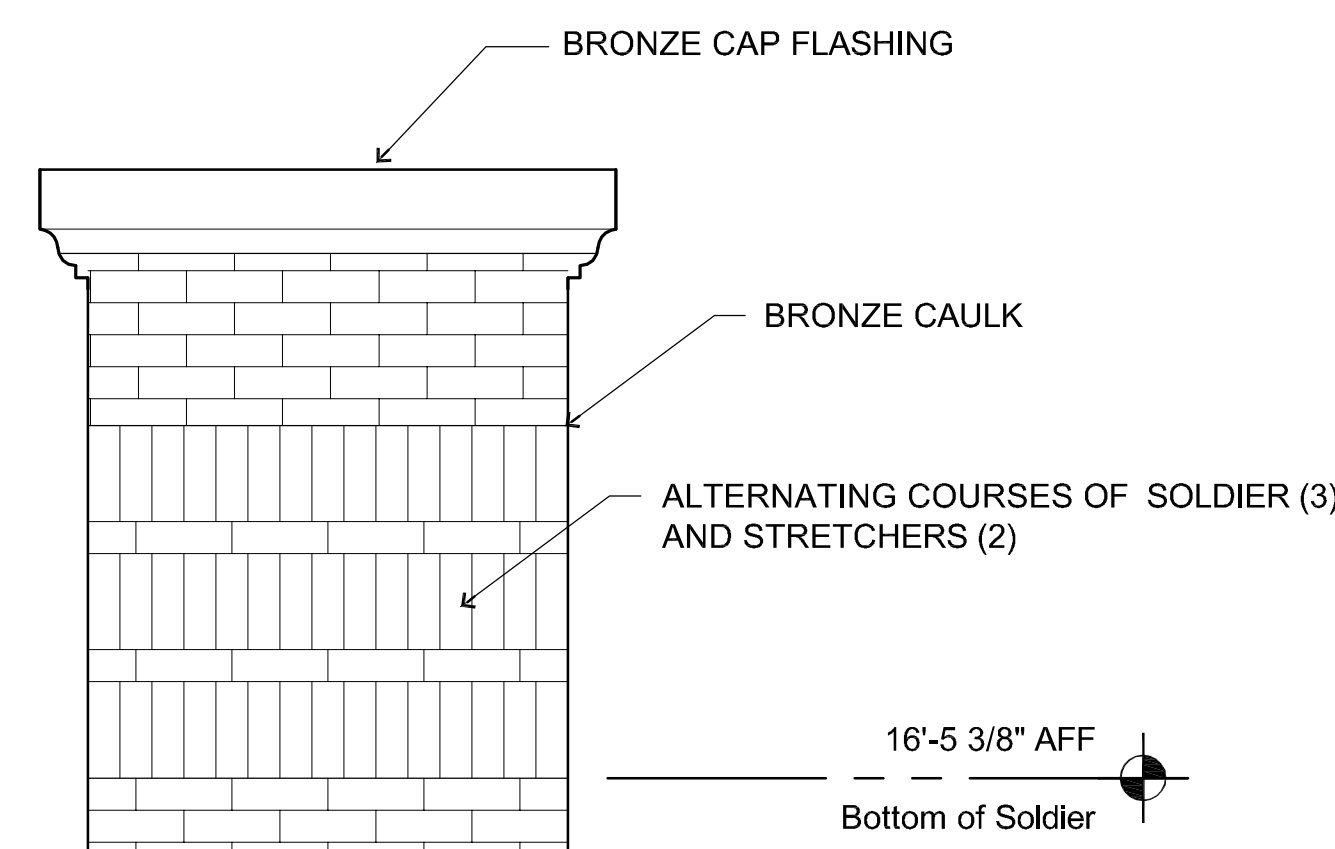
PROJECT #C1417

<p>CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100</p>	
PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	DIVISION INFORMATION: ROOF EQUIPMENT AND CURB PLANS
DRAWING INFORMATION: CONSTRUCTION DIVISION DESIGNED BY: DLT CHECKED BY: PDR	PUBLISHED: _____ REVISED ON: _____ DATE: _____ REG. NO.: _____

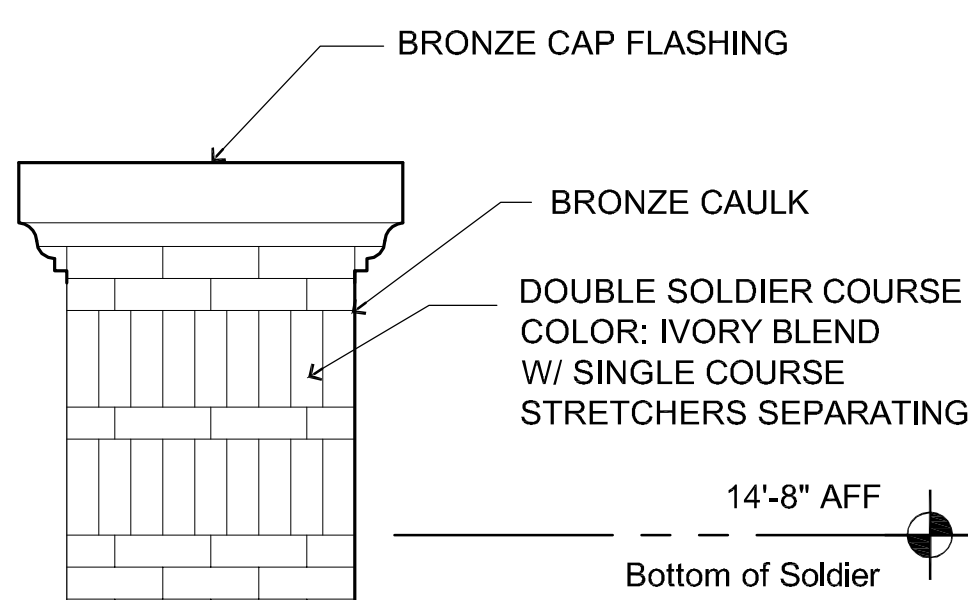
"ALL BRICK"



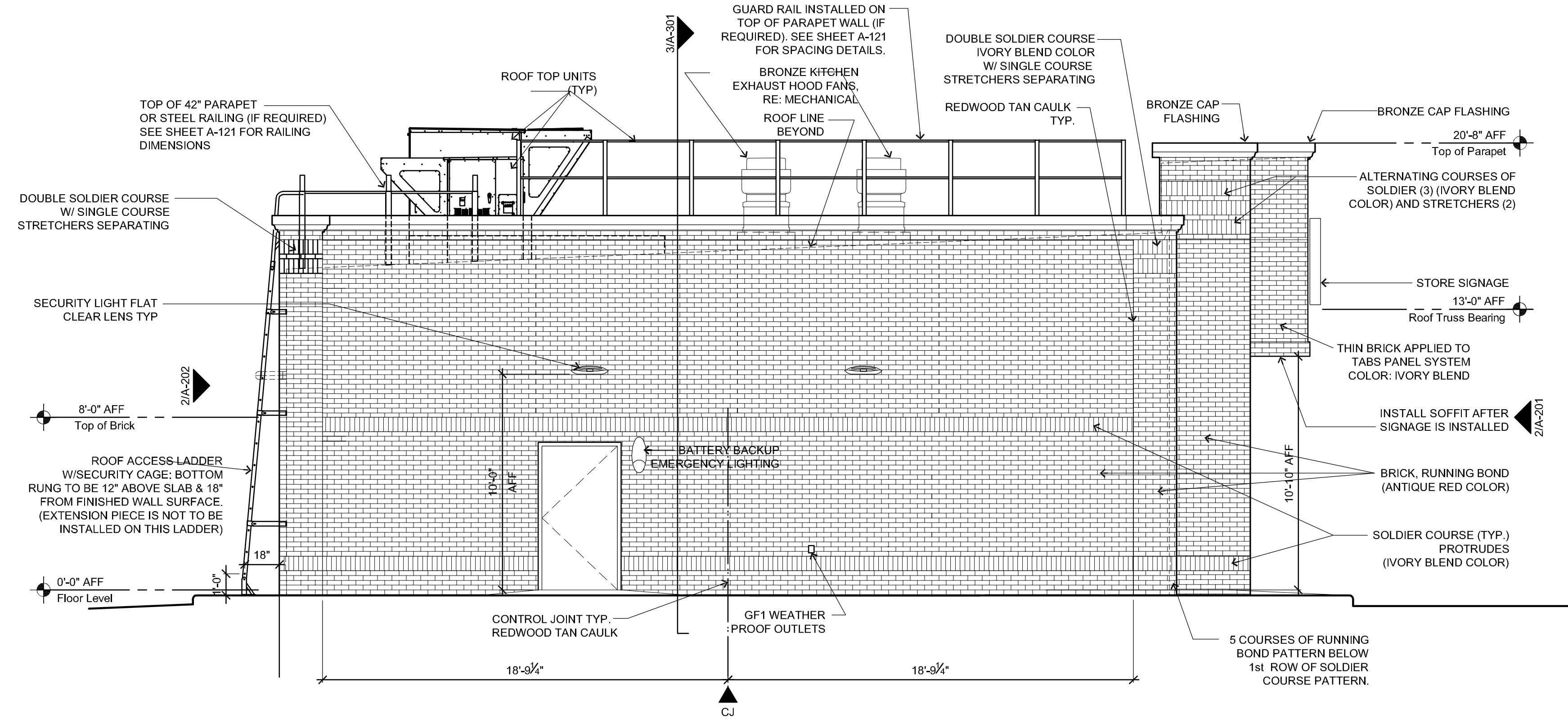
2 Front Elevation
1/4" = 1'-0"



3 Front Wall Column Detail (Typ.)
NTS



4 End Wall Column Detail (Typ.)
NTS



1 Left Side of Building
1/4" = 1'-0"

General Notes

- REFER TO AL-601 FOR SIGNAGE SCHEDULE INCLUDING SIZE AND AREA OF SIGNS SHOWN ON ELEVATIONS.

ALL BRICK

RINGDAHL
REGISTERED ARCHITECT
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Alexandria, MN 56308
ph. (507) 763-9368
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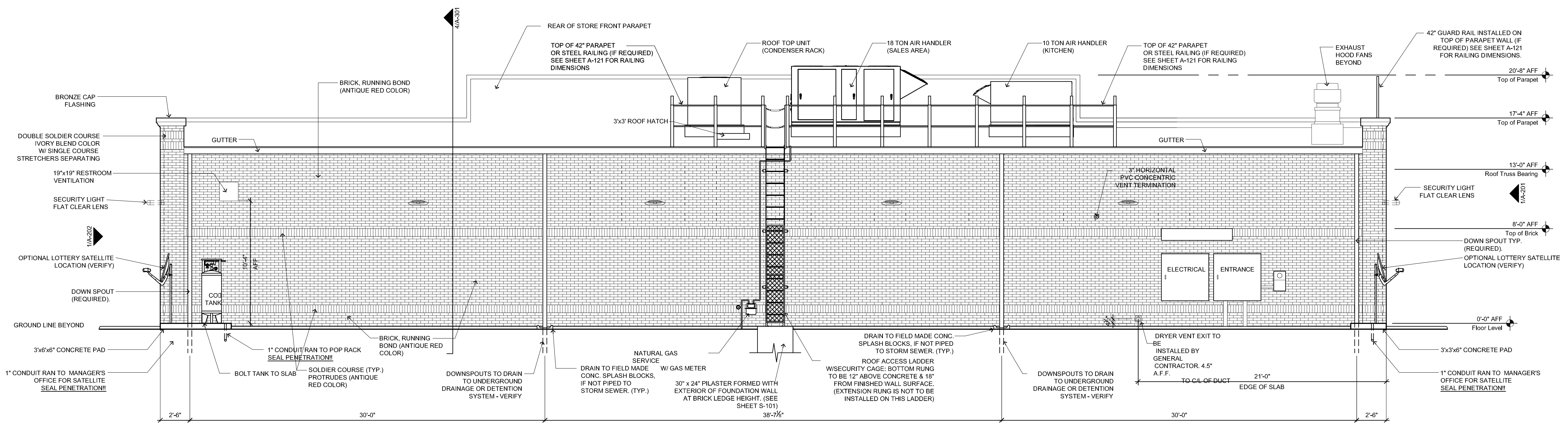
[Signature]
DATE: 12/24/11 REG. NO. 1091

PROJECT #C1417

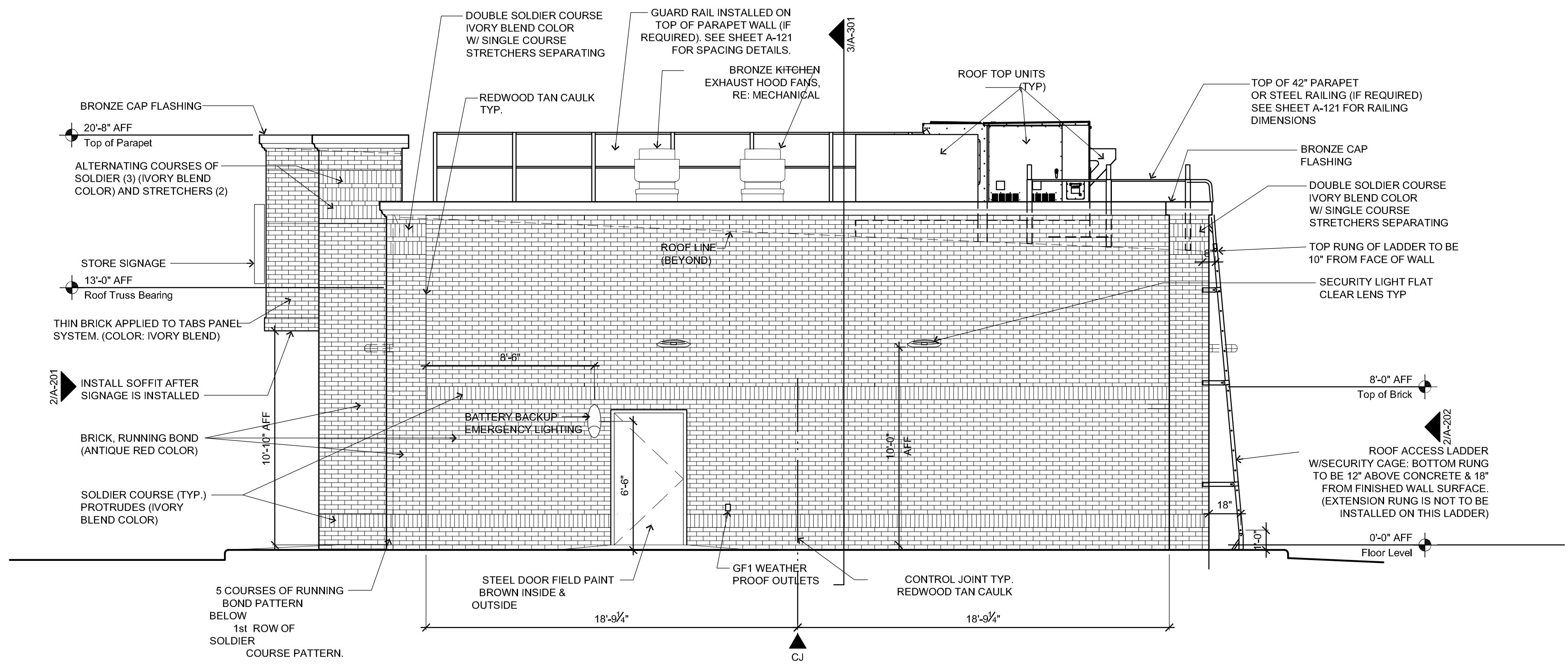
CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED: _____ REVISED ON: _____	DIVISION INFORMATION: EXTERIOR ELEVATIONS
DESIGNED BY: CONSTRUCTION DIVISION DRAWN BY: DLT	CHECKED BY: PDR	DATE: _____ SCALE: _____ SHEET: A-201



2 Rear Elevation
1/4" = 1'-0"



1 Right Side of Building
1/4" = 1'-0"

General Notes

- REFER TO A-601 FOR SIGNAGE SCHEDULE INCLUDING SIZE AND AREA OF SIGNS SHOWN ON ELEVATIONS.

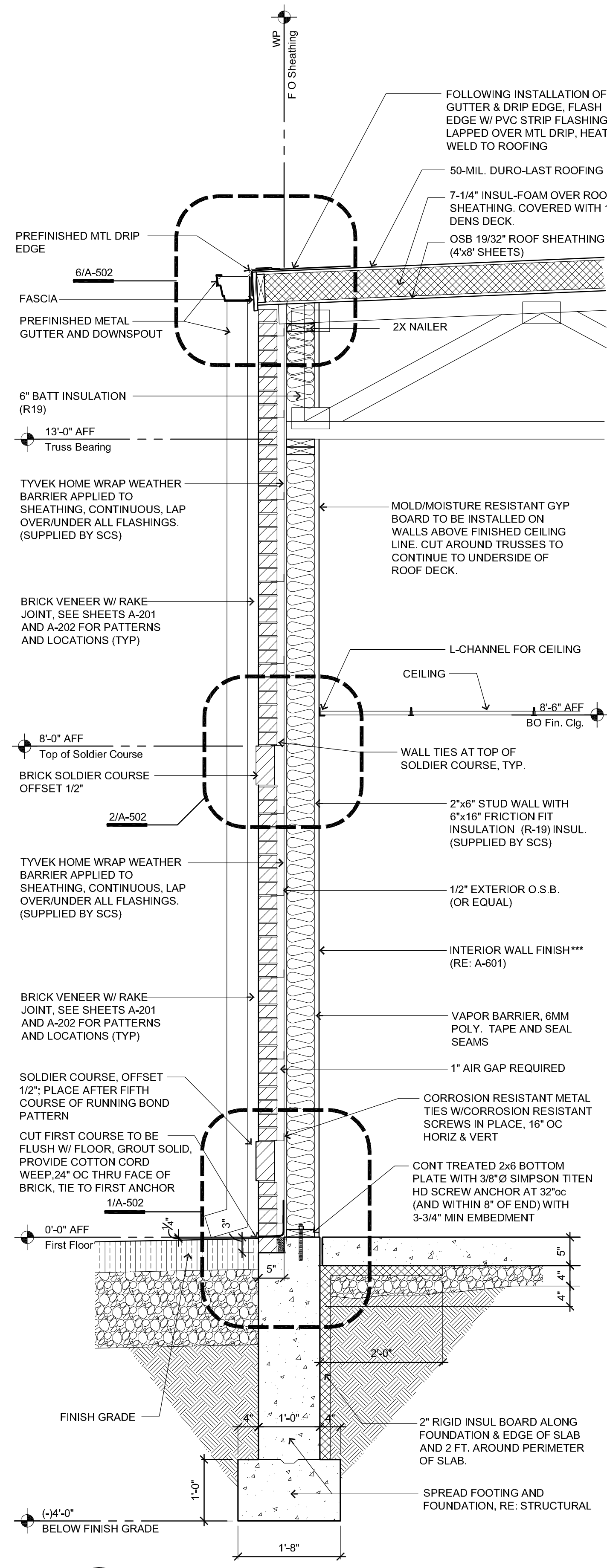
ALL BRICK

RUNGDAHL
 I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PROJECT #C1417
 DATE: 12/24/14
 REG. NO. 1091

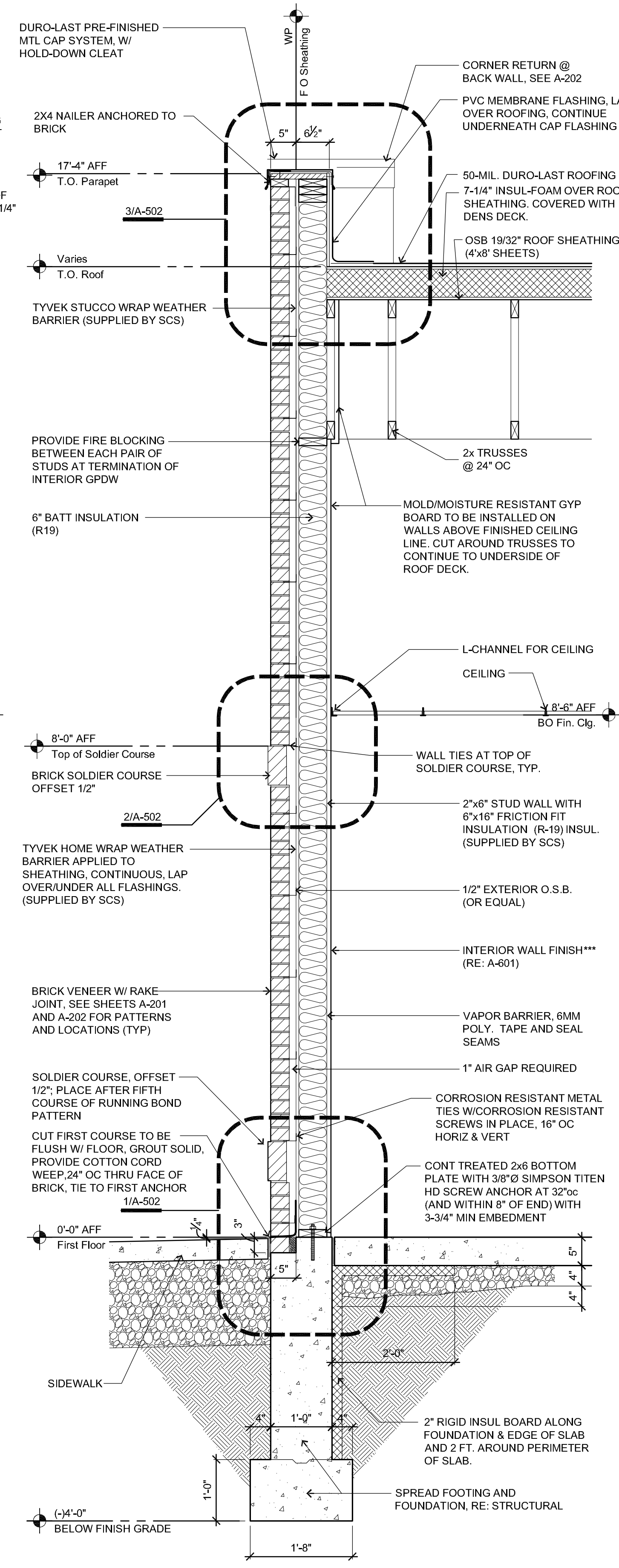
CASEY'S General Store
 CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED: REVISION ON	DIVISION INFORMATION: EXTERIOR ELEVATIONS
DESIGNED BY: CONSTRUCTION DIVISION	DRAWN BY: DLT	DATE: 12/24/14

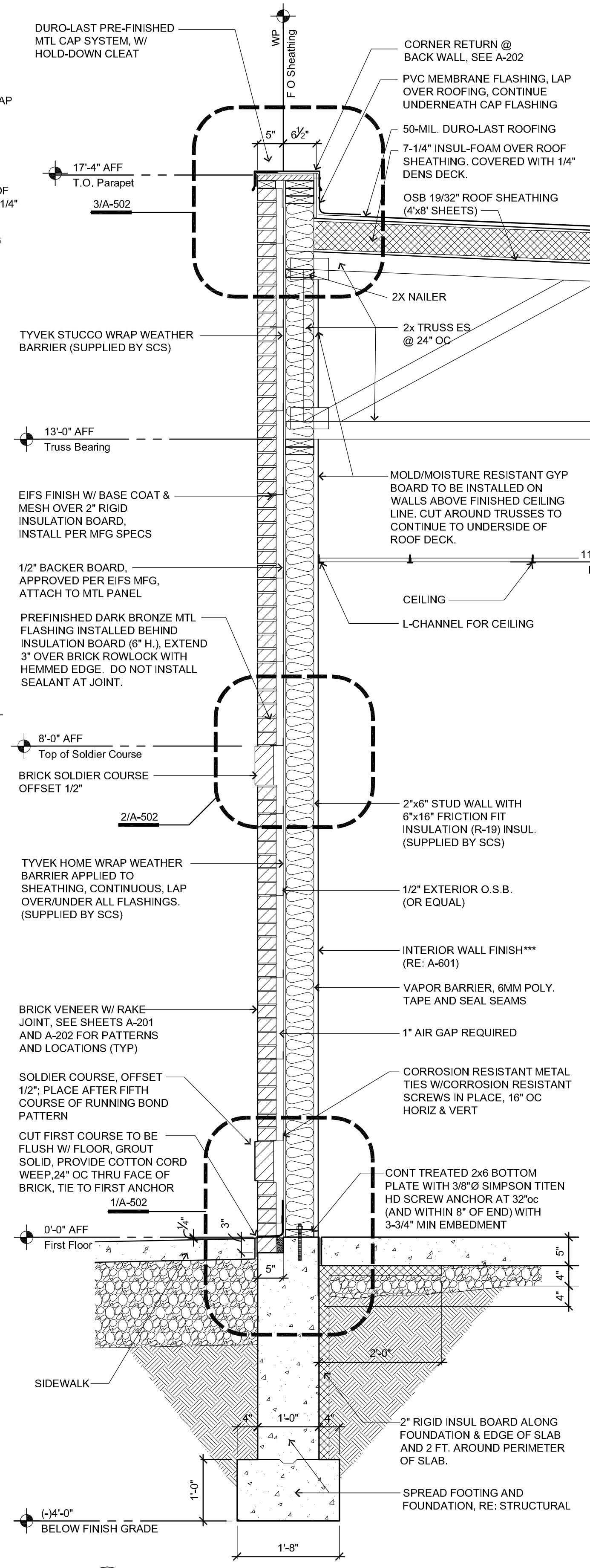
A-202



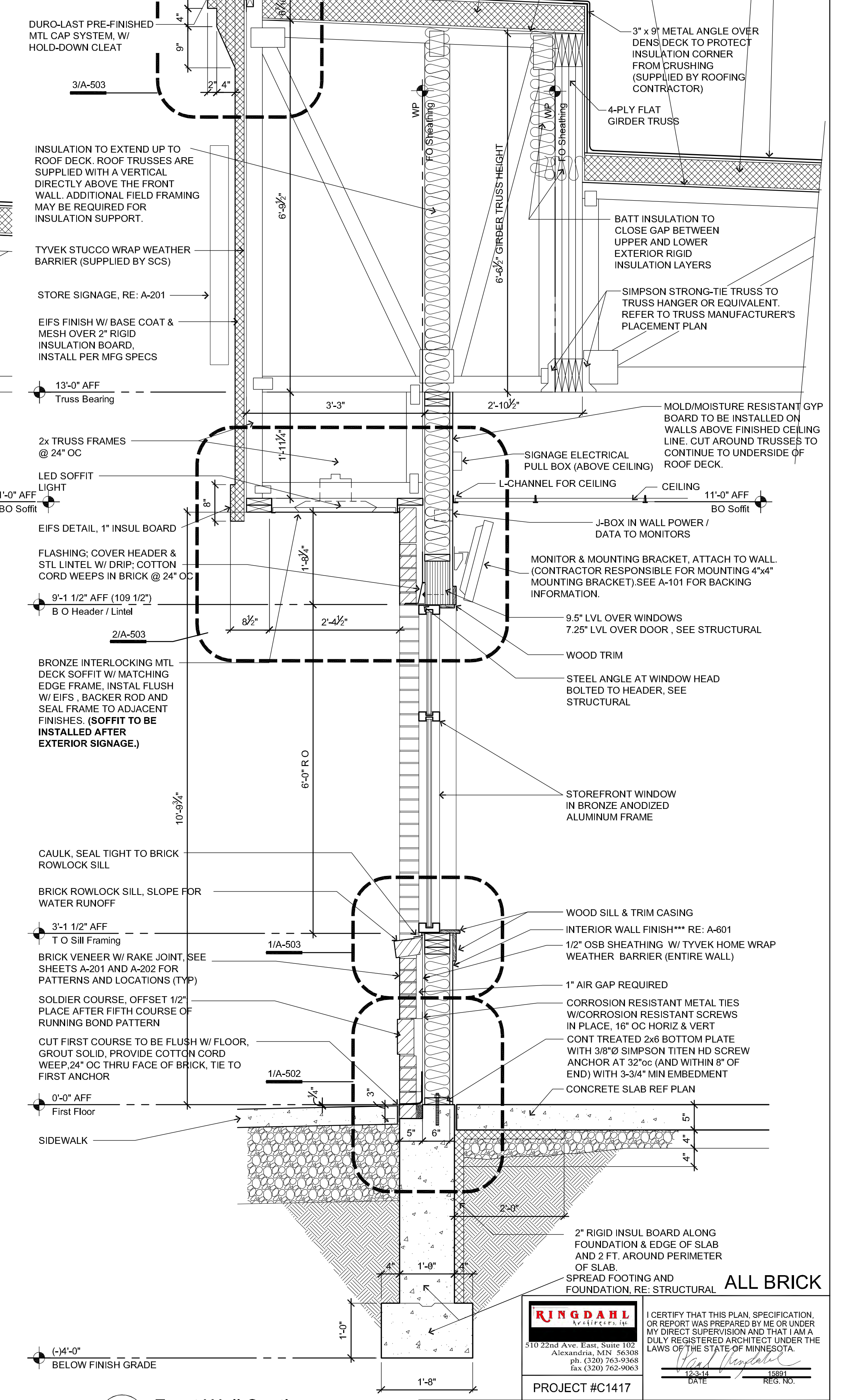
4 Rear Wall Section
3/4" = 1' - 0"



3 Side Wall Section
3/4" = 1' - 0"



2 Front Wall Section
3/4" = 1' - 0"



1 Front Wall Section
3/4" = 1' - 0"

*** WALL COVERINGS ON EXTERIOR WALLS WHERE 6MM POLY IS PRESENT OVER THE INSULATION:

-WHERE A-601 CALLS OUT **GB-WET (AQUA-TOUGH)**, THAT PRODUCT CAN BE FASTENED DIRECTLY TO THE STUDS OVER THE 6MM POLY.

-WHERE A-601 CALLS OUT **FRP**, MOLD & MOISTURE RESISTANT GYPSUM BOARD NEEDS TO BE FASTENED DIRECTLY TO THE STUDS OVER THE 6MM POLY, THEN THE FRP IS TO BE GLUED TO THE GYPSUM BOARD.

-ON ALL EXTERIOR WALLS BEHIND COOLER/FREEZER BOXES, MOLD/MOISTURE RESISTANT GYPSUM BOARD (AT A MINIMUM) NEEDS TO BE INSTALLED ON THE INSIDE FACE OF THE WALLS.

RINGDAHL
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Alexandria, MN 56308
ph. (507) 763-9368
fax (507) 762-9063

PROJECT #C1417

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Walter Ringdahl
DATE: 12/23/2021 REG. NO. 12281

CASEY'S Construction General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)

DESIGNED BY: CONSTRUCTION DIVISION

DATE: PDR

WALL SECTIONS

A-301

General Notes

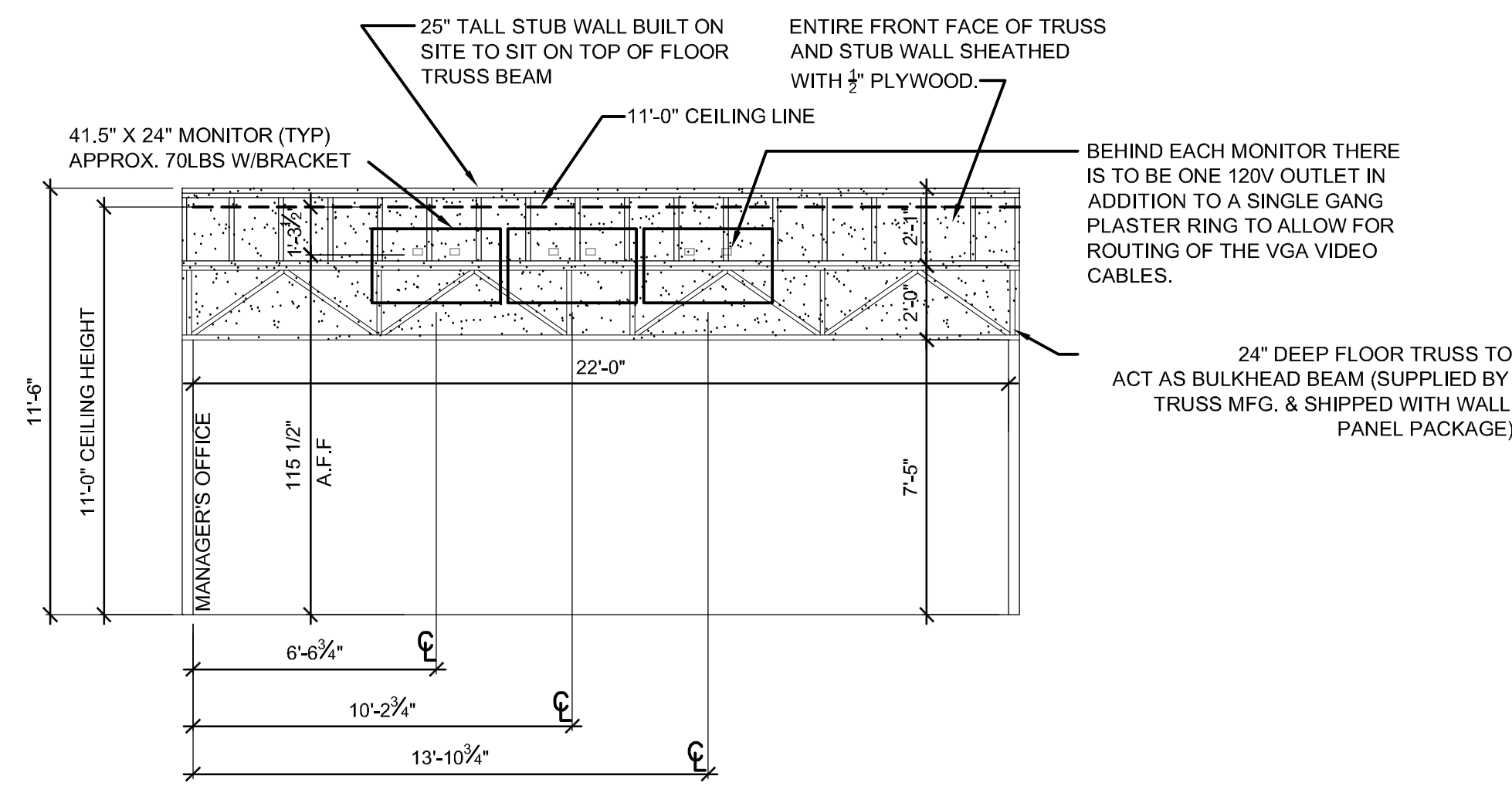
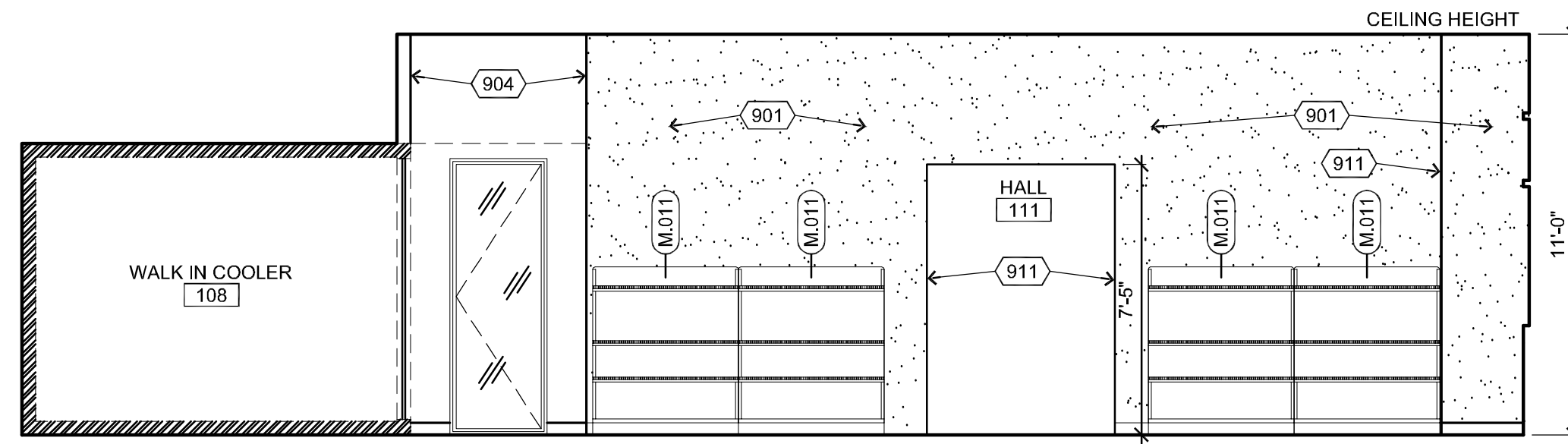
NOTE: REFER TO SHEET AQ-101 FOR ADDITIONAL EQUIPMENT IDENTIFICATION.

Keyed Construction Notes

- DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES**
- 601 PRE-ASSEMBLED CASEWORK WITH 1-1/2" T. CORIAN SOLID SURFACE COUNTERTOP. SET LEVEL AND ANCHOR TO FLOOR.
- DIVISION 9 - FINISHES**
- 901 USE FIBEROCK BRAND AQUA-TOUGH WITH PAINT FINISH. SEE FINISH SCHEDULE, A-601 FOR MORE INFORMATION
 - 903 CERAMIC TILE. SET WITH LIGHTWEIGHT MORTAR WITH 1/4" TROWEL. TILE SUPPLIED AND INSTALLED BY FLOORING CONTRACTOR. TILE SPECIFICATIONS SUPPLIED BY OWNER.
 - 904 MOISTURE RESISTANT GPDW (FIBEROCK AQUA TOUGH) AROUND COOLERS. GLUE TO EQUIPMENT FACE; SEE A-601 FOR ADDITIONAL INFORMATION
 - 910 3-1/2" WIDE CHAIR RAIL (CHERRY). 30-3/4" TO TOP OF RAIL FROM F.F.
 - 911 2"x2"x8" STAINLESS STEEL OUTSIDE CORNERS TO BE SUPPLIED BY CASEYS & INSTALLED BY CONTRACTOR AFTER FINISHED WALL COVERINGS & PAINT IS COMPLETE. CUT TO FIT HEADER ON RESTROOM HALLWAY CORNERS. INSTALL FULL 8" PIECE ON CORNER BY THE DONUT CASE. INSTALL PRIOR TO WALL GRAPHICS BY THE DONUT CASE.
 - 912 10" KICK PLATE
- DIVISION 10 - SPECIALTIES**
- 1000 46" DIGITAL MENU BOARDS: MOUNT TO 3/4" PLYWOOD SHEETING. COORDINATE WIRING WITH ELECTRICAL.
 - 1001 SECURITY MONITOR: MOUNT TO RECESSED BRACING IN WALL. COORDINATE WIRING WITH ELECTRICAL. SEE SECURITY PLANS.
 - 1009 SQUARE TRASH RECEPTACLE (24"x24"x48")
 - 1010 18"x24" VERTICAL BULLETIN BOARD MOUNT 56" A.F.F.
 - 1011 10 LB. ABC 4-A-8BC FIRE EXTINGUISHER 32" TO HANDLE A.F.F.
 - 1014 36"x48" VERTICAL BULLETIN BOARD MOUNTED 56" A.F.F.
- DIVISION 12 - FURNISHINGS**
- 1201 OWNER SUPPLIED TABLE & CHAIRS.

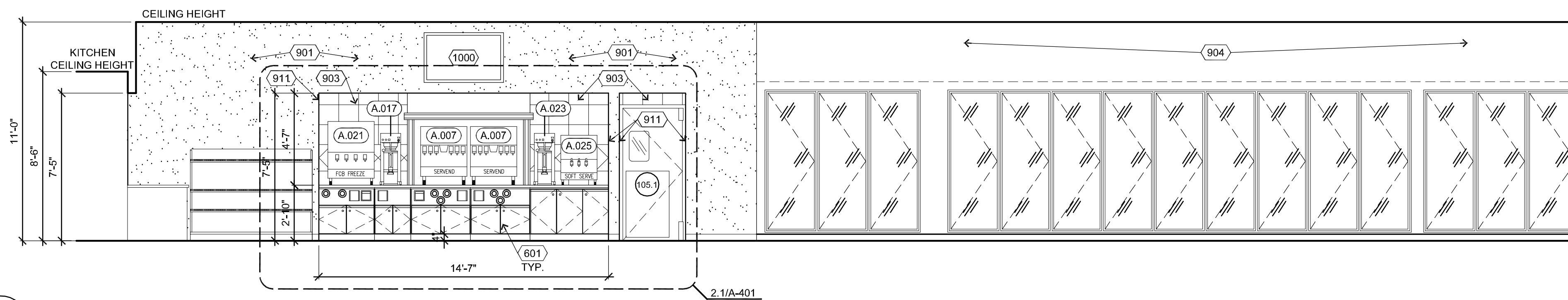
4 Sales Area, 100 Interior Elevations (Bulkhead Floor Truss Detail)

1/4" = 1'-0"



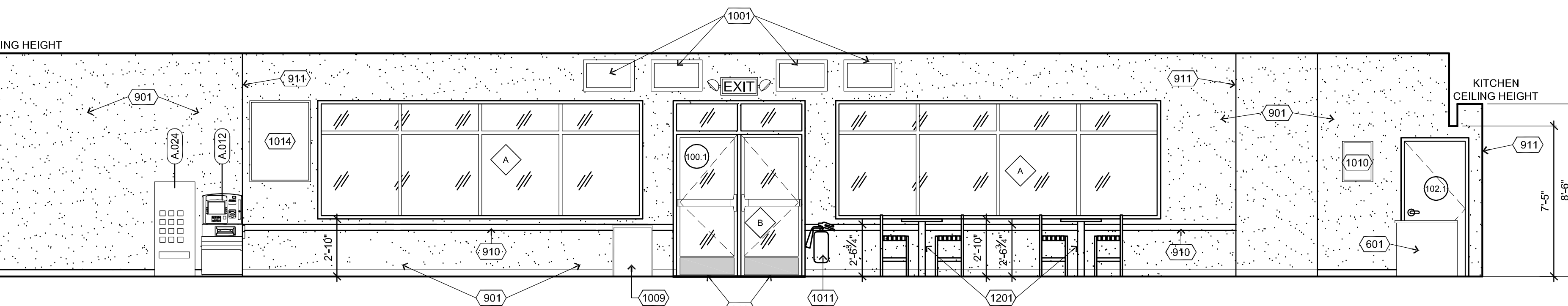
3 Sales Area, 100 Interior Elevations

1/4" = 1'-0"



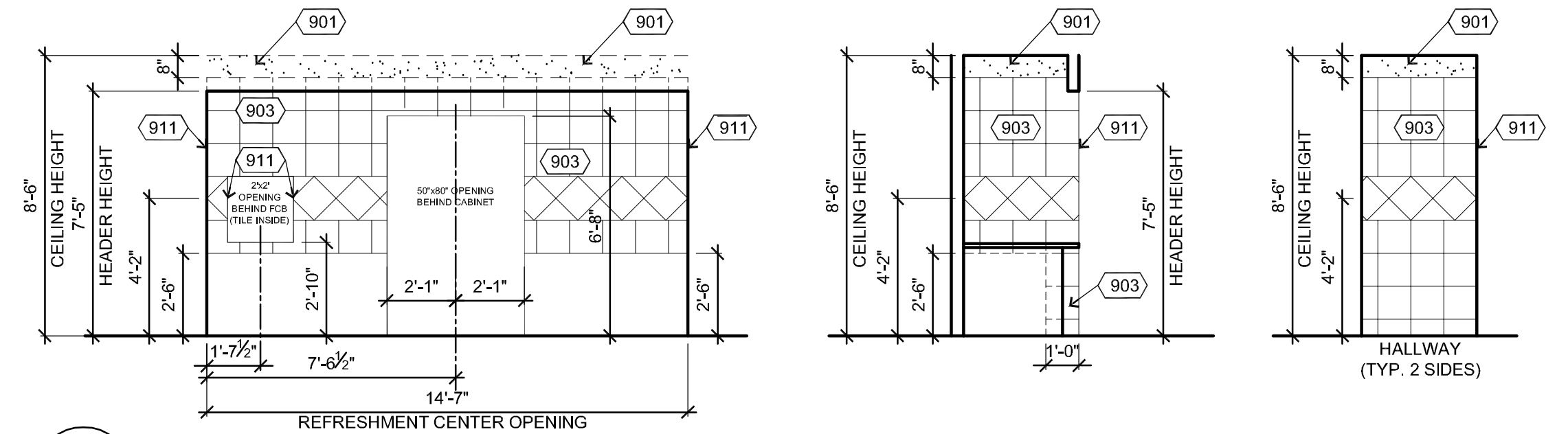
2 Sales Area, 100 Interior Elevations

1/4" = 1'-0"



1 Sales Area, 100 Interior Elevations

1/4" = 1'-0"



2.1 Refreshment Center and Back Room Hallway Tile Detail

1/4" = 1'-0"

RINGDAHL
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 fax (507) 762-9063

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Greg Ringdahl
 DATE: 12/23/11 REG. NO. 1091

PROJECT #C1417

CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT:	PUBLISHED:	DIVISION INFORMATION:
"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	REVISED ON:	INTERIOR ELEVATIONS
DRAWING INFORMATION: CONSTRUCTION DIVISION	DESIGNED BY: PDR	A-401
ENGINEER: DLT		

DETAIL 6050

THE WORLD'S BEST ROOF

DURO-LAST, INC.
525 Morley Drive
Saginaw, MI 48601

Fasteners - 12-inches on center
Metal cleat
Concealed splice plate
Formed metal coping cap

Hex-head screws with neoprene washer (24-inches on-center max.)

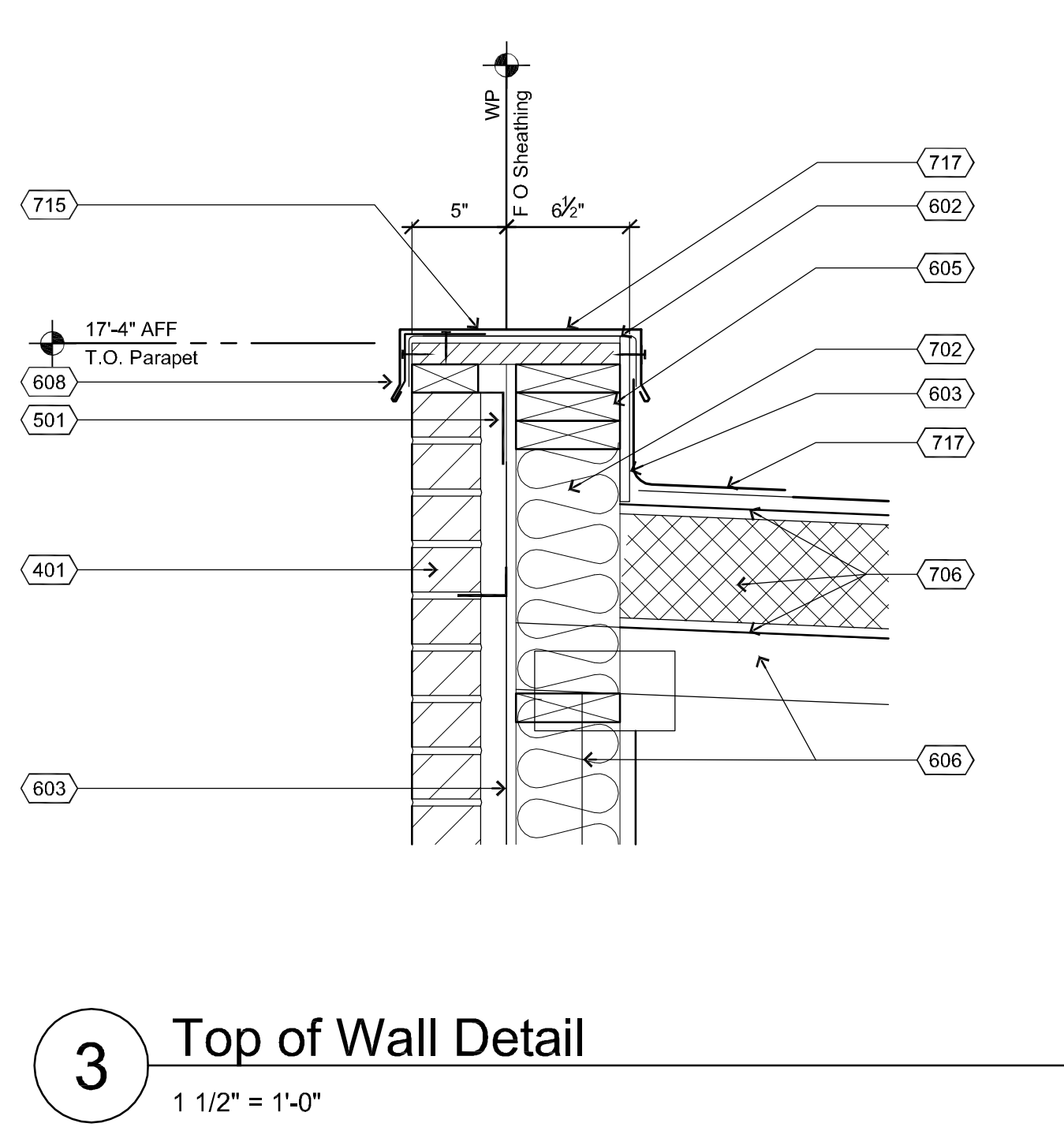
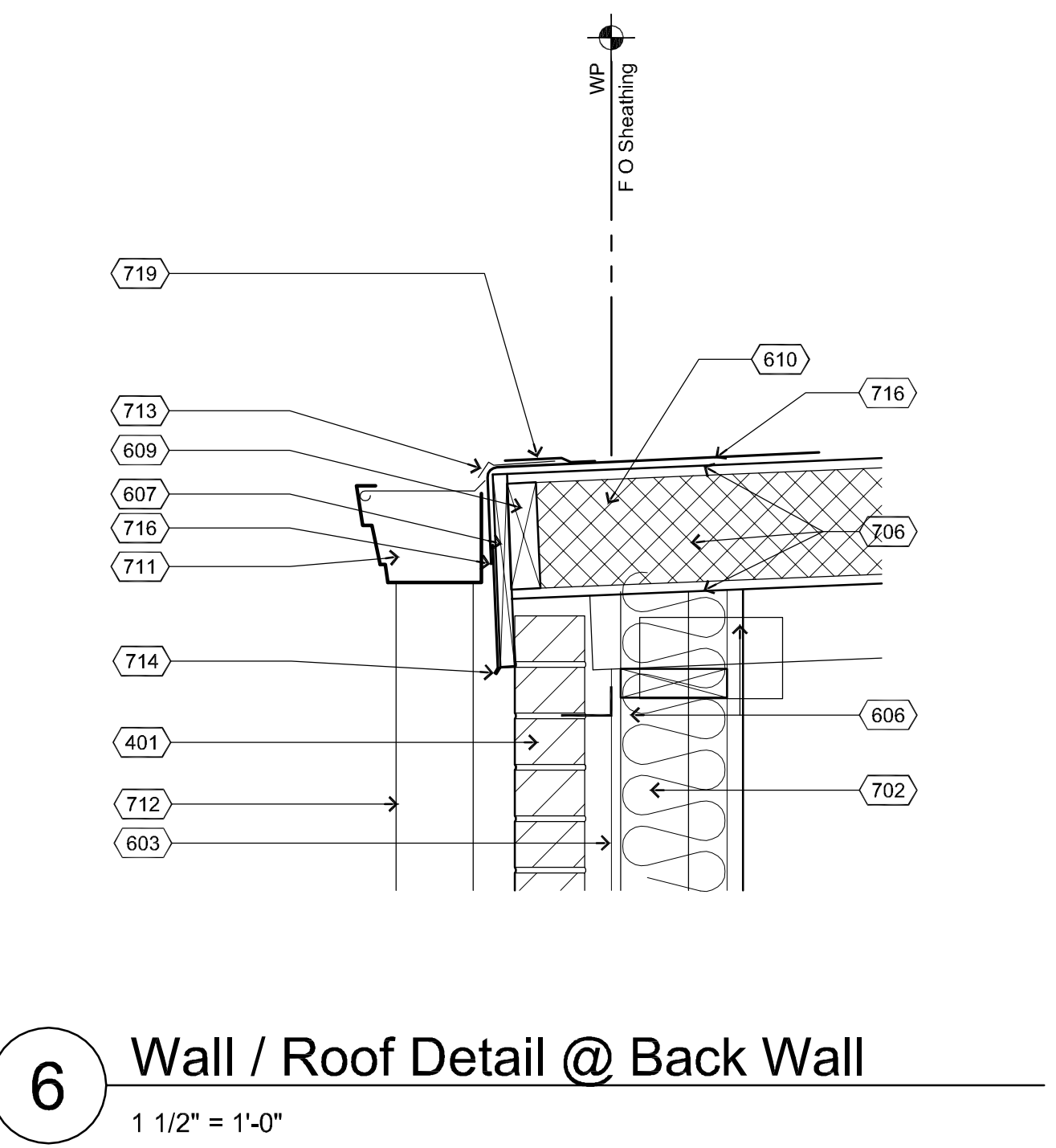
Note 1: All coping cap joints must utilize a 6-inch concealed splice plate.

Note 2: All joints are to be sealed with an approved Duro-Last sealant on top of the splice plate, on both sides of the joint. Allow a 1/4-inch gap between coping sections.

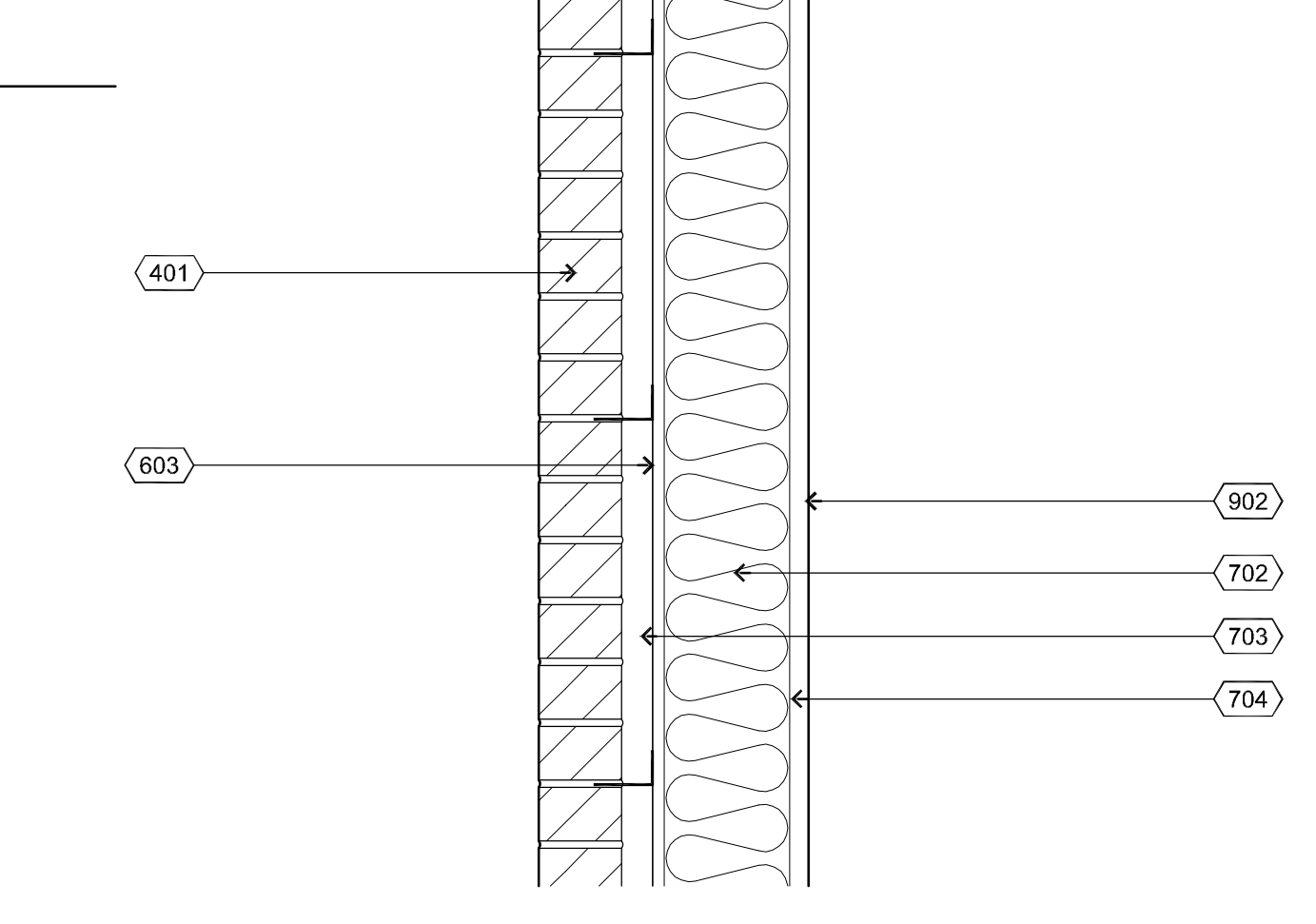
Note 3: All cleats must be fastened 12-inches on center.

Note 4: All fasteners must penetrate into the nailer a minimum of 1 1/2-inches.

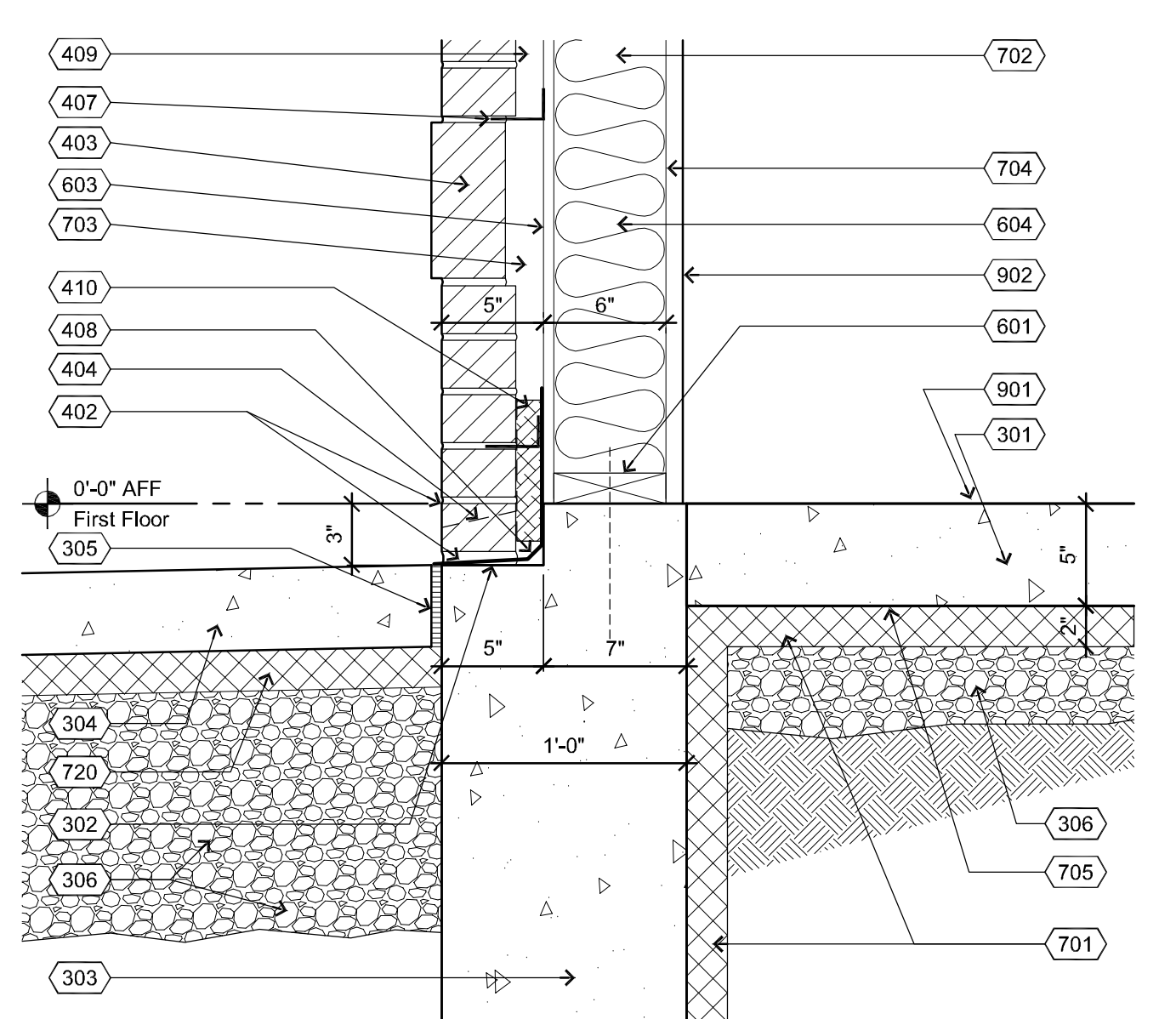
DATE: JANUARY 2009	PARAPET WALL DETAIL
DRAWN BY: ENG. DEPT.	FLAT COPING W/COINT. CLEAT
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF



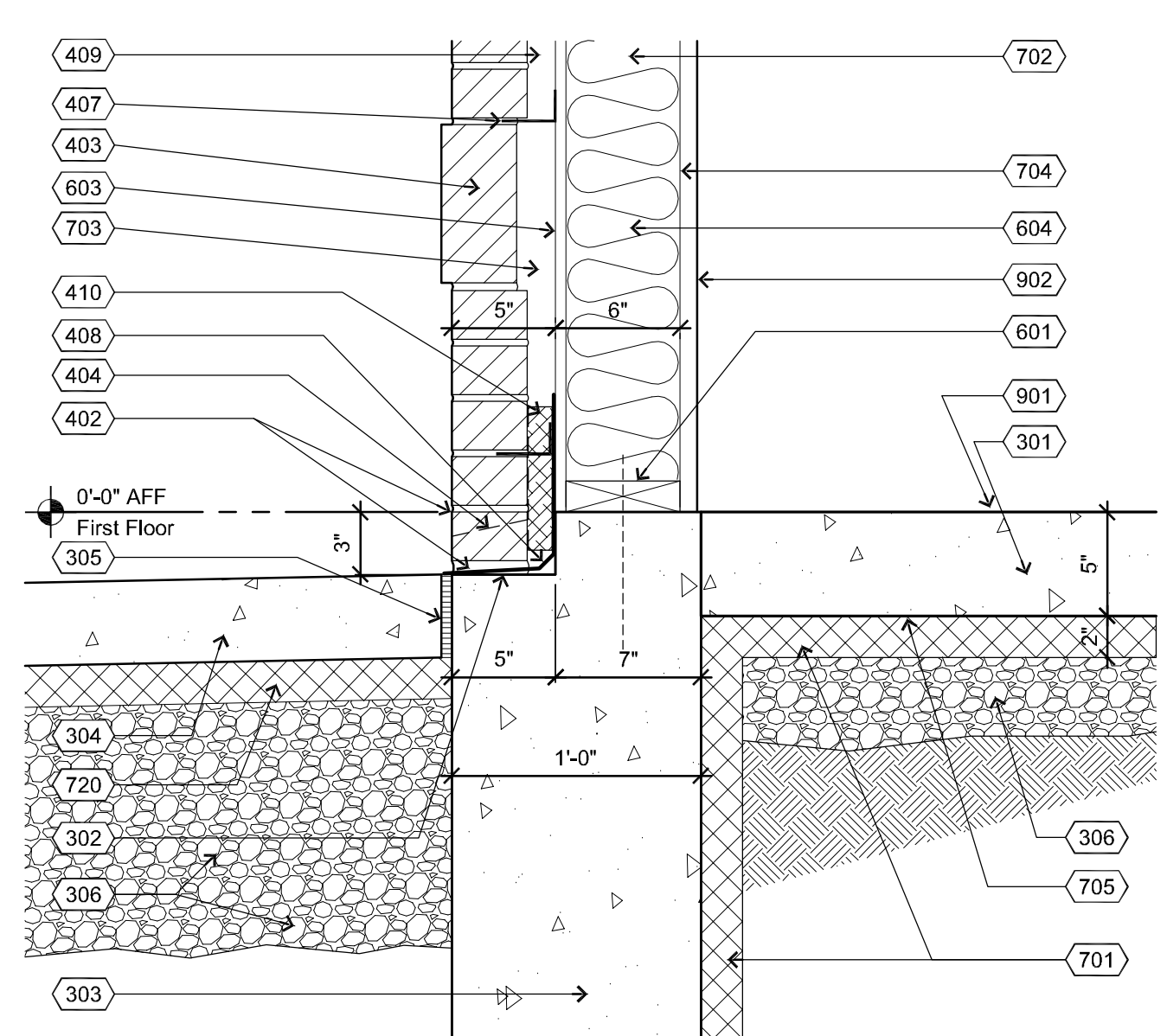
7 PARAPET WALL CAP DETAIL
N.T.S.



5 Wall Base Condition Detail
1 1/2" = 1'-0"



4 Rear Wall Base Condition Detail
1 1/2" = 1'-0"



1 Wall Base Condition Detail
1 1/2" = 1'-0"

Keyed Construction Notes

- DIVISION 3 - CONCRETE**
- 301 CONCRETE SLAB: SEE STRUCTURAL DRAWINGS (S-SERIES SHEETS) FOR ADDITIONAL INFORMATION INCLUDING REINFORCING AND CONC SPECS
 - 302 BRICK LEDGE.
 - 303 FOUNDATION WALL: SEE STRUCTURAL DRAWINGS (S-SERIES SHEETS) FOR ADDITIONAL INFORMATION INCLUDING REINFORCING AND CONC SPECS
 - 304 SIDEWALK OR EXTERIOR EQUIPMENT PAD: SEE STRUCTURAL DRAWINGS (S-SERIES SHEETS) FOR ADDITIONAL INFORMATION INCLUDING REINFORCING AND CONC SPECS
 - 305 COMPRESSIBLE FILLER STRIP, 1/2" OFFSET TO CONC SLAB
 - 306 ROCK SUB-BASE, MIN 4"; REFER TO STRUCTURAL DRAWINGS FOR EXACT THICKNESS AND SPECIFICATIONS AT EACH LOCATION
- DIVISION 4 - MASONRY**
- 401 FACE BRICK: COLOR AS INDICATED ON ELEVATIONS, RUNNING BOND PATTERN (TYP) W/ RAKE JOINTS
 - 402 STARTER COURSE: PROVIDE THICKENED BED OF MORTAR TO ALLOW LEVELING TOP OF STARTER COURSE FLUSH W/ FINISHED CONC SLAB
 - 403 OFFSET SOLDIER COURSE: 1/2"; PLACE AFTER FIFTH COURSE OF RUNNING BOND PATTERN W/ RAKE JOINTS
 - 404 WEEP & FLASHING: PROVIDE COTTON CORD WEEPS THROUGH MASONRY HEAD JOINTS ON TOP OF FLASHING AT APPROXIMATELY 18" ABOVE BRICK LEDGE AND FIRST COURSE ABOVE ANY LINTEL OR RELIEF ANGLE; SET MIN 24" OC. FLASHING TO BE SELF ADHESIVE 18" VINYL FLASHING. INSTALL APPROXIMATELY 18" ABOVE BRICK LEDGE, AND FIRST COURSE ABOVE ANY LINTEL OR RELIEF ANGLE. FLASHING SHOULD BE INSTALLED UNDER TYVEK.
 - 405 OFFSET SOLDIER COURSE: WHERE INDICATED W/ RAKE JOINTS
 - 407 CORROSION RESISTANT METAL MASONRY TIES, SCREWED IN PLACE USING CORROSION RESISTANT SCREWS, 16" OC HORIZ & VERT, STAGGER EACH VERTICAL ROW
 - 408 THRU WALL FLASHING: FLASH-VENT BY YORK MFG OR EQUAL: ASPHALT FREE COPPER W/ NON-WOVEN FABRIC DRAINAGE MAT, 3 OZ, EXTEND BEYOND MASONRY FACE 1/2"
 - 409 MINIMUM 1" AIR GAP REQUIRED, KEEP BACK OF CAVITY FREE OF EXCESS MORTAR AND DEBRIS FOR PROPER DRAINAGE PERFORMANCE
 - 410 SYNTHETIC MORTAR DEFLECTION MAT, PLACE CONTINUOUSLY AT BASE OF CAVITY
- DIVISION 5 - METALS**
- 501 6"x6"x1/4" STEEL ANGLE, ANCHOR TO 2x BLOCKING AND THROUGH SHEATHING INTO 2x TOP PLATE
- DIVISION 6 - WOOD, PLASTICS, COMPOSITES**
- 601 SILL PLATE: TREATED (WOLMANIZED) WOOD PLATE ANCHORED WITH 3/8" SIMPSON TITEN HD SCREW ANCHOR AT 32" OC (AND WITHIN 8" OF END) WITH 3-3/4" MIN EMBEDMENT
 - 602 PARAPET CAP FLASHING SUBSTRATE: 3/4" PLYWOOD (NOT TREATED)
 - 603 SHEATHING BOARD: 1/2" EXTERIOR O.S.B. (OR EQUAL) AS APPROVED BY EIFS MFG, STAGGER JOINTS
 - 604 WOOD STUD FRAMED WALL, 2x4 OR 2x6 AS INDICATED IN SECTIONS
 - 605 TRIPLE 2x TOP PLATES (NOT TREATED)
 - 606 WOOD TRUSS: NOMINAL 2x TRUSS FRAMES @ 24" O.C., DESIGNED BY MANUFACTURER; RE: STRUCTURAL DRAWINGS FOR MORE INFORMATION
 - 607 PROVIDE 1" x 10" FASCIA BOARD
 - 608 2x BLOCKING (NOT TREATED)
 - 609 2x6 STOOD ON EDGE BY ROOFING CONTRACTOR.
- DIVISION 7 - THERMAL AND MOISTURE PROTECTION**
- 701 PERIMETER INSULATION: 2" RIGID INSULATION BOARD, PROVIDE CONTINUOUS INSULATION ON INSIDE VERT FACE OF FOUNDATION AND EXTEND HORIZ 24" AROUND PERIMETER OF CONC SLAB
 - 702 BATT INSULATION: FRICTION FIT INSULATION 6" R-19
 - 703 AIR BARRIER: COMMERCIAL GRADE, VAPOR PERMEABLE AIR BARRIER SUITABLE FOR INSTALLATION. TAPE ALL JOINTS AND PENETRATIONS, LAP OVER BASE FLASHING, SEAL AND INSTALL PER MANUFACTURER INSTRUCTIONS.
 - 704 VAPOR BARRIER (6 MILL POLY - TAPE AND SEAL SEAMS): INSTALL VAPOR BARRIER BETWEEN STUDS AND INTERIOR WALL MATERIAL.
 - 705 VAPOR BARRIER (MIN 15 MILL): INSTALL VAPOR BARRIER UNDERNEATH ENTIRE SLAB. SEAL ALL PENETRATIONS WITH COLLARS FROM SAME MATERIAL & MFG APPROVED TAPE
 - 706 ROOF DECK AND INSULATION: INSTALL 7 1/4" POLYURETHANE STRUCTURAL INSULATED PANEL (SIP) (R-33) AS MANUFACTURED.
 - 708 BUILT UP EIFS PROFILE. USE ADDITIONAL THICKNESS OF INSULATION BOARD TO ACHIEVE PROFILE OR THICKNESS INDICATED
 - 710 SEALANT: USE BACKER ROD AT RECESSED JOINTS.
 - 711 BOX GUTTER: PRE-FINISHED METAL GUTTER WITH FASCIA BRACKET, INSTALL OVER ROOF MEMBRANE TERMINATED ON EACH FASCIA.
 - 712 DOWNSPOUT: PRE-FINISHED METAL DOWNSPOUT. ANCHOR AS DIRECTED BY MFG, WITH STRAP BRACKET SUPPLIED BY MFR.
 - 713 DRIP EDGE: INSTALL PRE-FINISHED (DARK BRONZE) METAL DRIP OVER BASE COURSE TPO MEMBRANE ROOFING
 - 714 FASCIA TRIM: INSTALL PRE-FINISHED (DARK BRONZE) METAL TRIM OVER FASCIA BOARD; PROVIDE DRIP ON BOTTOM EDGE, WRAP AROUND BACK AND TERMINATED IN FRONT OF BRICK.
 - 715 CAP FLASHING: TWO PART MODULAR COPING SYSTEM MANUFACTURED BY W.P. HICKMAN. INSTALL OVER PARAPET DURO-LAST ROOF MEMBRANE PER MANUFACTURING INSTRUCTIONS. EXTEND OVER EIFS AND SEAL.
 - 716 MEMBRANE ROOFING: MEMBRANE, 50 MILL WHITE, DIRECT APPLY TO OSB TOP SHEET OF SIP (NOTE 706), HEAT WELD ALL SEAMS; FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PROVIDE MIN. 15 YR. WARRANTY.
 - 717 PARAPET FLASHING: COVER PARAPET NAILER WITH PVC MEMBRANE FLASHING, ROLL OVER BACK EDGE, CONTINUE DOWN VERTICAL FACE AND LAP OVER MEMBRANE ROOF PER MANUFACTURING INSTRUCTIONS, HEAT WELD ALL SEAMS.
 - 718 TURN DOWN TPO MEMBRANE OVER FASCIA BOARD, LAP OVER METAL TRIM AND NAIL-OFF, APPLY CONTINUOUS BEAD OF SEALANT.
 - 719 MEMBRANE EDGE FLASHING STRIP, LAP OVER METAL DRIP EDGE (NOTE 713) AND HEAT WELD TO PRIMARY ROOF MEMBRANE.
 - 720 2" LOW DENSITY INSULATION
- DIVISION 9 - FINISHES**
- 901 FLOOR FINISH: REFER TO FINISH SCHEDULE, A-601 FOR MATERIAL FACE AND FINISH REQUIREMENTS
 - 902 WALL FINISH: REFER TO FINISH SCHEDULE A-601, (WALL FACING MATERIAL)

ALL BRICK

RJNGDAHL
110 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (507) 763-9368
fax (507) 762-9063

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DATE: 12/31/11
REG. NO. 1091

PROJECT #C1417

CASEY'S General Store

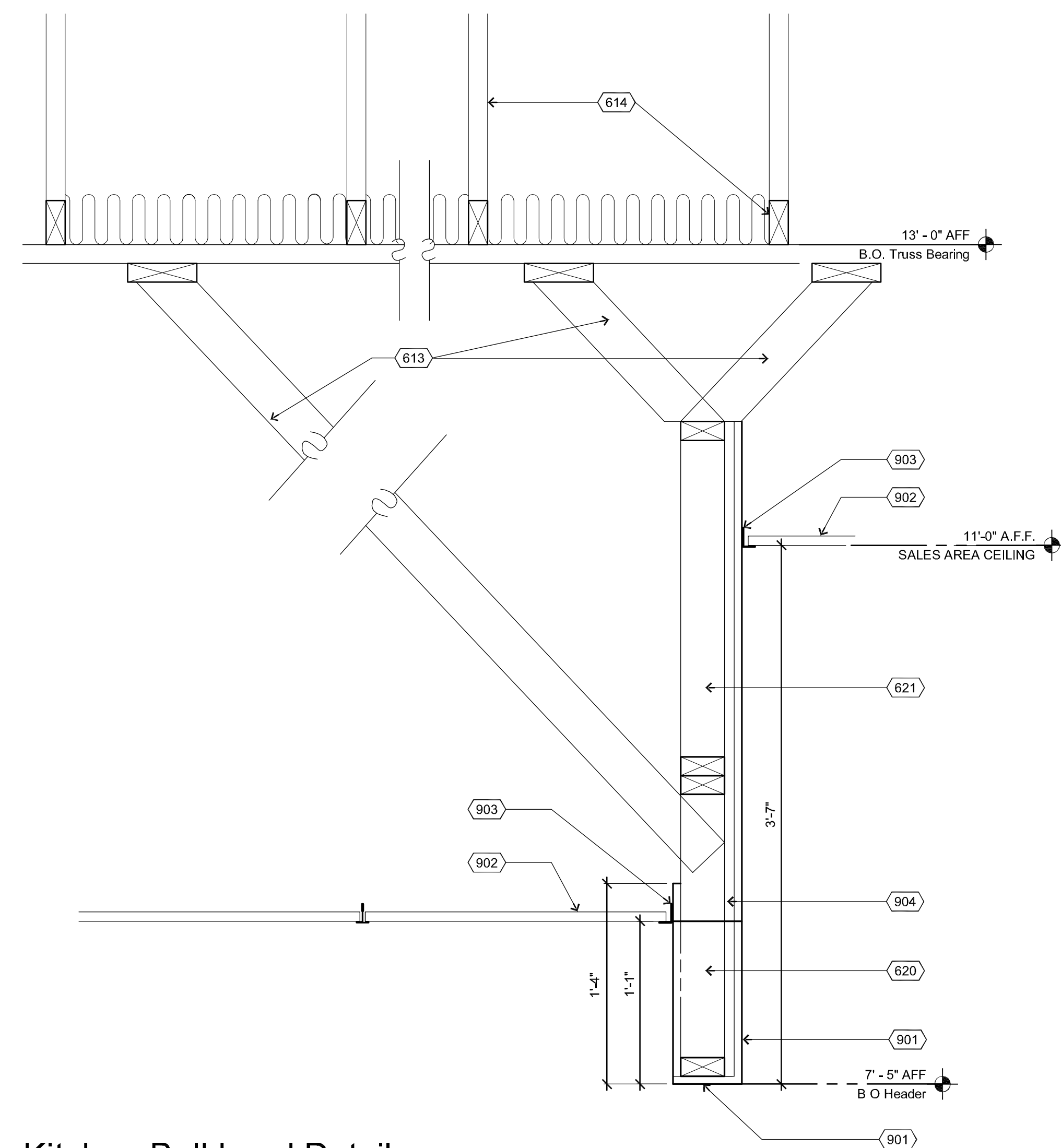
CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE
FLAT ROOF
(RAMSEY MINNESOTA)

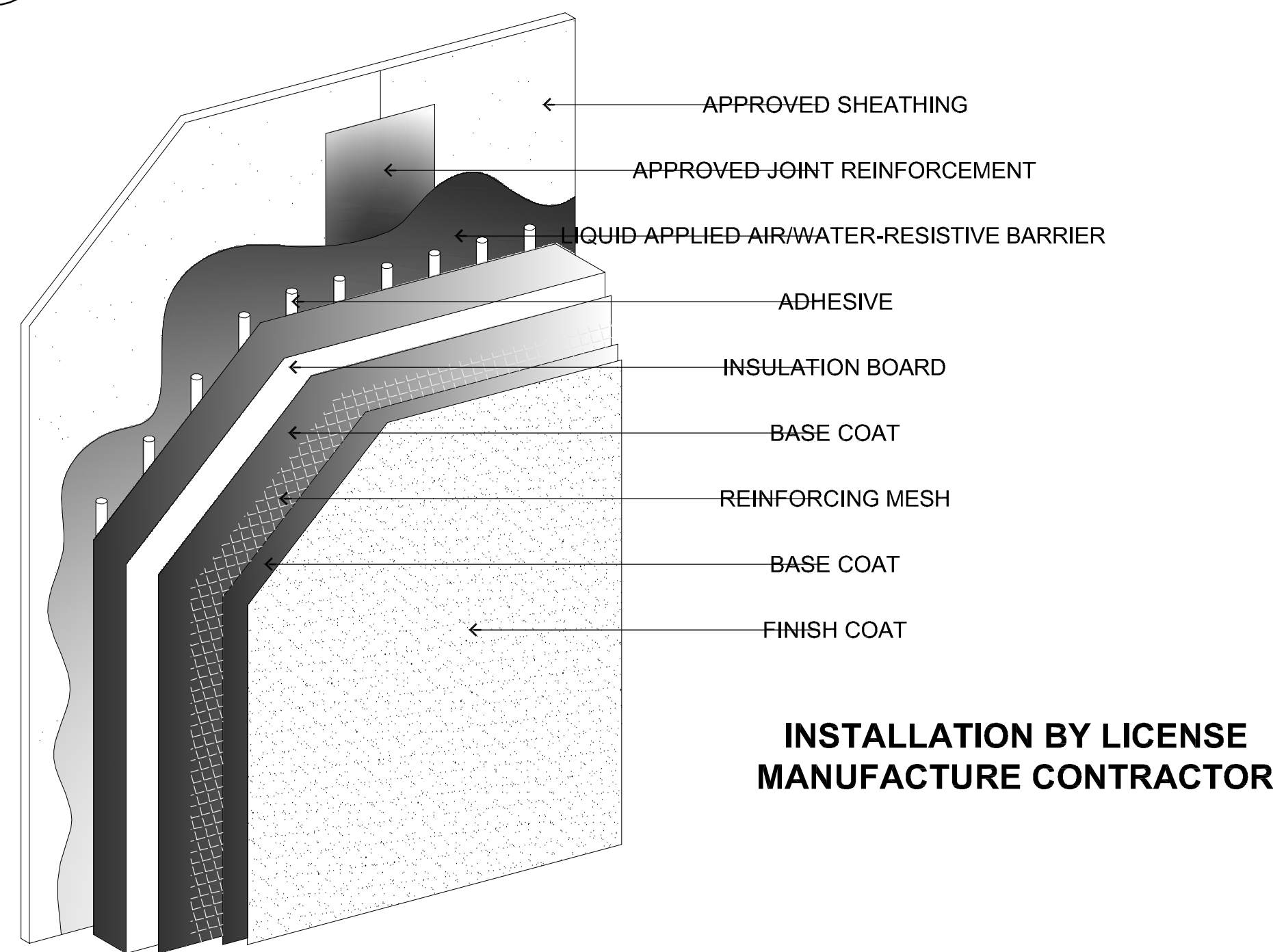
DESIGNED BY: PDR

EXTERIOR SHELL DETAILS

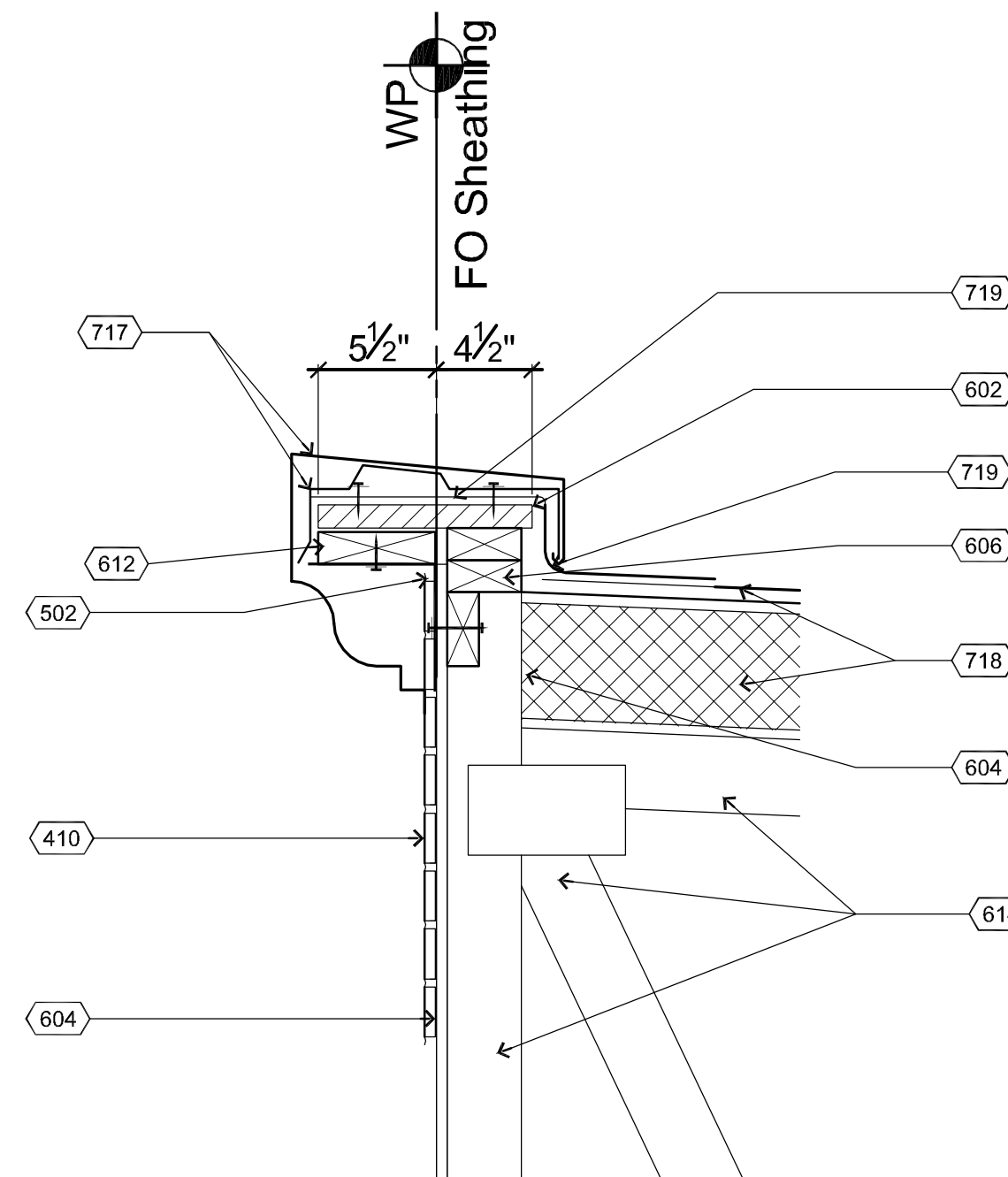
A-502



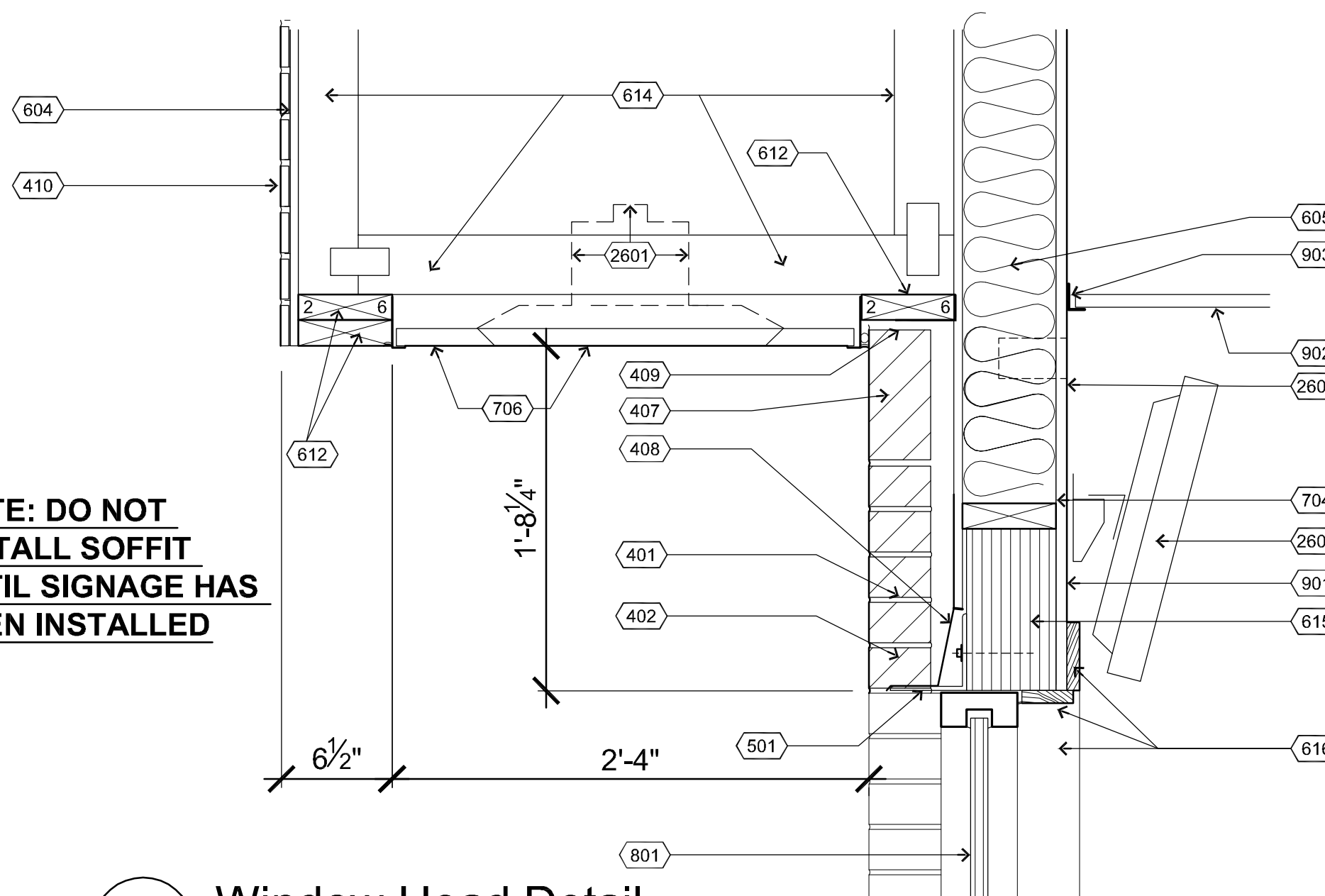
4 Kitchen Bulkhead Detail
1 1/2" = 1'-0"



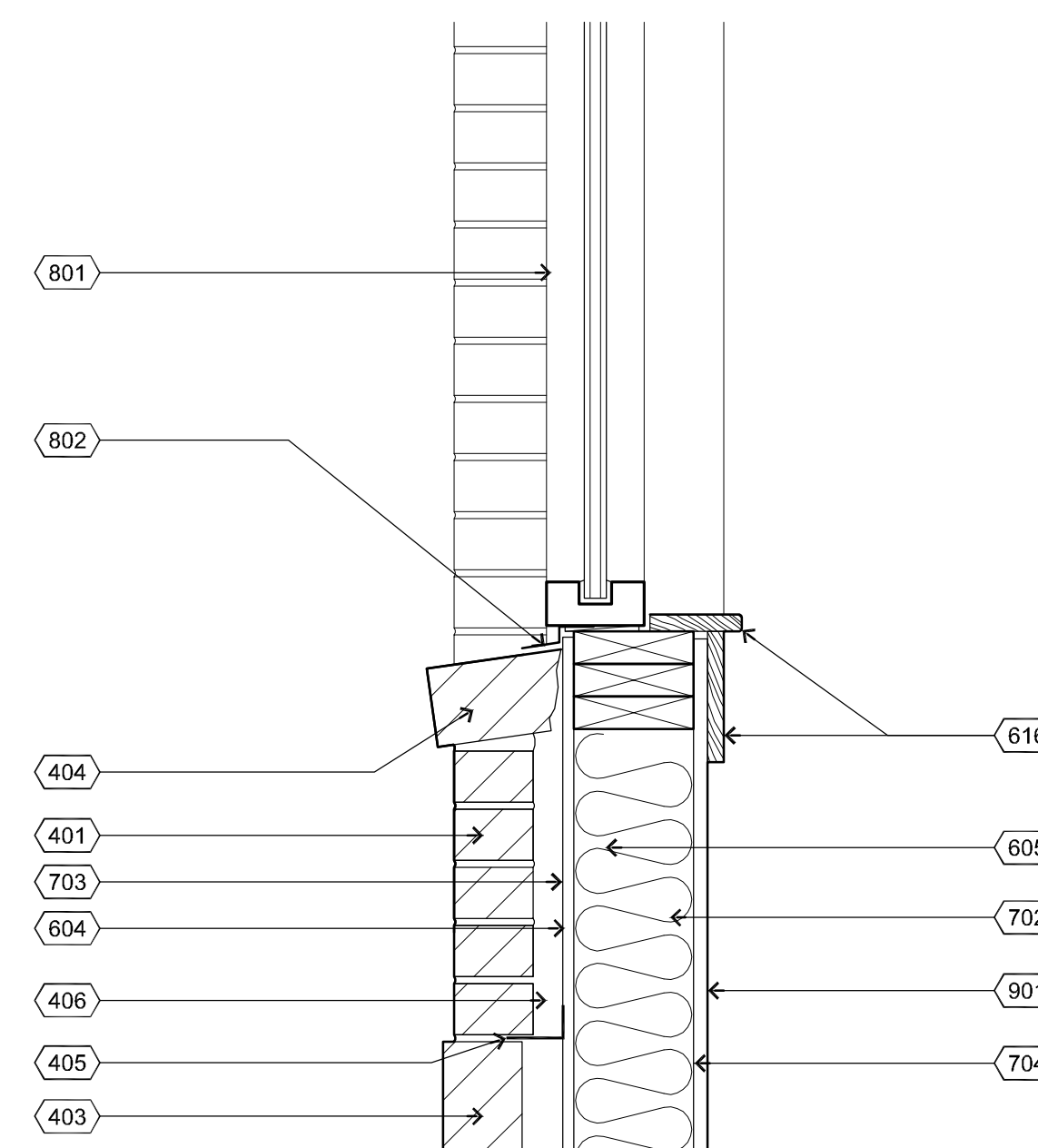
5 E.I.F.S Detail - Senerflex Channeled Adhesive Design
NO SCALE



3 Front Parapet Detail
1 1/2" = 1'-0"



2 Window Head Detail
1 1/2" = 1'-0"



1 Window Sill Detail
1 1/2" = 1'-0"

Keyed Construction Notes

DIVISION 4 - MASONRY

- 401 **FACE BRICK:** COLOR AS INDICATED ON ELEVATIONS, RUNNING BOND PATTERN (TYP) W/ RAKE JOINTS
- 402 **WEEP:** PROVIDE COTTON CORD WEEPS THROUGH MASONRY HEAD JOINTS IN BASE COURSE AND FIRST COURSE ABOVE ANY LINTEL OR RELIEF ANGLE; SET MIN 24" OC
- 403 **OFFSET SOLDIER COURSE:** 1/2"; PLACE AFTER FIFTH COURSE OF RUNNING BOND PATTERN W/ RAKE JOINTS
- 404 **ROWLOCK SILL:** WHERE INDICATED, SLOPE FOR WATER RUNOFF W/ RAKE JOINTS
- 405 **CORROSION RESISTANT METAL MASONRY TIES,** SCREWED IN PLACE WITH CORROSION RESISTANT SCREWS, 18" OC HORIZ & VERT, STAGGER EA VERTICAL ROW.
- 406 **MINIMUM 1" AIR GAP REQUIRED,** KEEP BACK OF CAVITY FREE OF EXCESS MORTAR AND DEBRIS FOR PROPER PERFORMANCE
- 407 **SOLDIER COURSE:** FLUSH W/ FACE BRICK, CONTINUOUS ACROSS FRONT OF BUILDING OFFSET (SEE ELEVATIONS A-201)
- 408 **THRU WALL FLASHING:** "FLASH-VENT" BY YORK MFG OR EQUAL; ASPHALT FREE COPPER W/ NON-WOVEN FABRIC DRAINAGE MAT, 3 OZ, EXTEND BEYOND MASONRY FACE 1/2"
- 409 **MASONRY ANCHORS (SEE NOTE 405)** SET IN BED OF MORTAR ON TOP OF BRICK SOLDIER COURSE
- 410 **THIN BRICK APPLIED TO TABS PANEL SYSTEM.**

DIVISION 5 - METALS

- 501 **LINTEL:** 4" x 4" x 1/4" STEEL LINTEL, FACTORY PRIMED; ANCHOR TO (3) LVL HEADER WITH 1/2"x4-1/2" LONG CORROSION RESISTANT LAG BOLTS @ 24" O.C.; PAINT FINISH TO MATCH DARK BRONZE WINDOW FRAME.
- 502 **6"x6"x1/4" STEEL ANGLE,** ANCHOR TO 2x BLOCKING AND THROUGH SHEATHING INTO 2x TOP PLATE

DIVISION 6 - WOOD, PLASTICS, COMPOSITES

- 601 **SILL PLATE:** TREATED (WOLMANIZED) WOOD PLATE SHOT TO CONC SLAB W/ 2"x1/2" PIN, 24" OC; SIZE EITHER 2X4 OR 2X6 PER LOCATION, RE: PLANS & SECTIONS
- 602 **PARAPET CAP FLASHING SUBSTRATE;** 3/4" PLYWOOD
- 604 **SHEATHING BOARD:** 1/2" EXTERIOR O.S.B. (OR EQUAL), STAGGER JOINTS
- 605 **WOOD STUD FRAMED WALL,** 2X4 OR 2X6 AS INDICATED IN SECTIONS
- 606 **DOUBLE 2X TOP PLATES**
- 611 **PROVIDE 1" x 8" FASCIA BOARD**
- 612 **2X BLOCKING**
- 613 **BRACING:** 2X4 WOOD FRAMING, PROVIDE KICKER BRACES TO KEEP TRUSS BEAM VERTICAL.
- 614 **WOOD TRUSS:** NOM 2X TRUSS FRAMES @ 24" OC, DESIGNED BY MFG
- 615 **TRIPLE 11 1/2" LVL HEADER:** SEE STRUCTURAL DRAWINGS
- 616 **WOOD SILL & TRIM CASING,** PROVIDED AND SPECIFIED BY CASEY'S
- 620 **24" TALL 4X2 FLOOR TRUSS STYLE TRUSS BEAM** TO SPAN FROM MANAGER'S OFFICE WALL ACROSS DELI AREA TO FRONT WALL OF CUSTODIAN ROOM. PROVIDE 3 1/2" POCKETS @ 7-5 1/2" A.F.F. IN BOTH WALLS FOR TRUSS TO BEAR ON.
- 621 **2X4 STUD WALL FRAMED BY CONTRACTOR,** SUPPORTED BY FLOOR TRUSS BEAM. FRAME 25" TALL.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

- 701 **PERIMETER INSULATION:** 2" RIGID INSULATION BOARD, PROVIDE CONTINUOUS INSULATION ON INSIDE VERT FACE OF FOUNDATION AND EXTEND HORIZ 24" AROUND PERIMETER OF CONC SLAB
- 702 **BATT INSULATION:** FRICTION FIT INSULATION 6" R-19
- 703 **AIR BARRIER:** COMMERCIAL GRADE, VAPOR PERMEABLE AIR BARRIER SUITABLE FOR INSTALLATION. TAPE ALL JOINTS AND PENETRATIONS, LAP OVER BASE FLASHING, SEAL AND INSTALL PER MANUFACTURER INSTRUCTIONS.
- 704 **VAPOR BARRIER (6 MILL):** INSTALL VAPOR BARRIER BETWEEN STUDS AND INTERIOR WALL MATERIAL.
- 705 **VAPOR BARRIER (MIN 15 MILL):** INSTALL VAPOR BARRIER UNDERNEATH ENTIRE SLAB, SEAL ALL PENETRATIONS WITH COLLARS FROM SAME MATERIAL & MFG APPROVED TAPE
- 706 **ALCOA/OR EQUAL ALUMINUM SOFFIT SYSTEM** PROVIDE UNDER EAVE VENTS AS NECESSARY. DARK BRONZE IN COLOR. **INSTALL AFTER EXTERIOR SIGNAGE.**
- 711 **PREFINISHED MTL FLASHING** BEHIND EIFS, EXTEND OVER BRICK; FINISH JOINT WITH BACKER ROD AND SEALANT, CONTINUOUS
- 712 **SEALANT:** USE BACKER ROD AT RECESSED JOINTS.
- 713 **BOX GUTTER:** PRE-FINISHED METAL GUTTER WITH FASCIA BRACKET, INSTALL OVER ROOF MEMBRANE TERMINATED ON EACH FASCIA.
- 714 **DOWNSPOUT:** PRE-FINISHED METAL DOWNSPOUT. ANCHOR AS DIRECTED BY MFG. WITH STRAP BRACKET SUPPLIED BY MFG.
- 715 **DRIP EDGE:** INSTALL PRE-FINISHED (DARK BRONZE) METAL DRIP OVER BASE COURSE TPO MEMBRANE ROOFING
- 716 **FASCIA TRIM:** INSTALL PRE-FINISHED (DARK BRONZE) METAL TRIM OVER FASCIA BOARD; PROVIDE DRIP ON BOTTOM EDGE, WRAP AROUND BACK AND TERMINATED BEHIND EIFS.
- 717 **CAP FLASHING:** TWO PART MODULAR COPING SYSTEM MANUFACTURED BY W.P. HICKMAN, INSTALL OVER PARAPET TPO ROOF MEMBRANE PER MANUFACTURING INSTRUCTIONS. EXTEND OVER BRICK AND SEAL.
- 718 **MEMBRANE ROOFING:** 50-MIL DURO-LAST ROOFING OVER TOP OF 7-1/4" INSUL-FOAM, ON TOP OF OSB 19/32" ROOF SHEATHING (4x8 SHEETS), COVERED WITH 1/4" DENS DECK.
- 719 **PARAPET FLASHING:** COVER PARAPET NAILER WITH PVC MEMBRANE FLASHING, ROLL OVER BACK EDGE, CONTINUE DOWN VERTICAL FACE AND LAP OVER MEMBRANE ROOF PER MANUFACTURING INSTRUCTIONS, HEAT WELD ALL SEAMS.
- 720 **TURN DOWN TPO MEMBRANE** OVER FASCIA BOARD, LAP OVER METAL TRIM AND NAIL-OFF, APPLY CONTINUOUS BEAD OF SEALANT.
- 721 **MEMBRANE EDGE FLASHING STRIP,** LAP OVER METAL DRIP EDGE (NOTE 713) AND HEAT WELD TO PRIMARY ROOF MEMBRANE.

DIVISION 8 - OPENINGS

- 801 **STOREFRONT WINDOW** IN BRONZE ANODIZED ALUMINUM FRAME
- 802 **BRONZE CAULK**

DIVISION 9 - FINISHES

- 901 **WALL FINISH:** REFER TO FINISH SCHEDULE A-601 FOR FACE MATERIAL & FINISH
- 902 **LAY-IN CEILING PANELS:** REFER TO CEILING SCHEDULE A-111
- 903 **L-CHANNEL CEILING EDGE**
- 904 **3/4" PLYWOOD** ON FACE OF TRUSS BEAM AND EXTENTION WALL (SALES AREA SIDE ONLY) USED AS BACKING FOR DIGITAL MENU BOARD BRACKETS. REFER TO DETAIL 4 ON A-401.

DIVISION 26 - ELECTRICAL

- 2601 **LED SOFFIT LIGHT,** SEE E-102, ELECTRICAL LIGHTING PLAN
- 2602 **MONITOR AND MOUNTING BRACKET,** ATTACH TO WALL. (CONTRACTOR TO INSTALL 4"x4" MOUNTING BRACKET)
- 2603 **J-BOX ABOVE HEADER** FOR POWER/DATA TO MONITORS, SEE TECHNOLOGY SHEETS

ALL BRICK

RJUNGDAHL
110 22nd Ave East, Suite 100
Alexandria, MN 56308
ph: (507) 763-9368
fax: (507) 762-9063

I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

[Signature]
DATE: _____ REG. NO.: _____

PROJECT #C1417

CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT:	"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	REVISIONS:	EXTERIOR SHELL DETAILS
DIVISION INFORMATION:	CONSTRUCTION DIVISION	DESIGNED BY:	PDR
DATE:	DLT		

A-503

Door Schedule

No.	DOOR				FRAME				HARDWARE		Key Side	NOTES
	Size	Thick'	Type	Material	Type [W.]	Material	Finish	Components				
100.1 (FRONT)	PR 3'-0" x 7'-0"			ALUMINUM	[4 1/2"]	ALUMINUM	FACTORY	OP, C, PH, S			(5) (7)	
102.1 (MANAGERS OFFICE)	3'-0" x 6'-8" (3068)	1 3/4"	A	SC WOOD	[4 5/8"]	STEEL BREAK DOWN	FACTORY	SH, LS, WS, K			(1) (4) (7) (8)	
103.1 (KITCHEN)	KITCHEN HALF CAFE DOOR		D	ALUM. & VINYL	1 DBL.	SWING DOOR [MODEL - CHASE SRP 5000]	SET BOTTOM HINGE 1/2" FROM FLOOR.					
103.2 (EXTERIOR KITCHEN)	3'-6" x 7'-0" (3670)	1 3/4"	B	STEEL	[10 1/4"]	HOLLOW METAL	PAINT	H/BB, CL, K, MWS, LL			(2) (4) (6) (7) (8)	
105.1 (BACK ROOM)	3'-0" x 6'-8" (3068)	1"	C	ABS PLASTIC	[4 1/2"]	WOOD	FACTORY	HARDWARE BY DOOR SUPPLIER			(3) (4) (7) (8)	
110.1 (CUSTODIAN)	3'-0" x 6'-8" (3068)	1 3/4"	A	SC WOOD	[4 1/2"]	STEEL BREAK DOWN	FACTORY	SH, LS, WS, K			(1) (4)	
111.1 (END-EXTERIOR)	3'-6" x 7'-0" (3670)	1 3/4"	B	STEEL	[10 1/4"]	HOLLOW METAL	PAINT	H/BB, CL, PB, K, MWS			(2) (4) (6)	
112.1 (MEN'S RESTROOM)	3'-0" x 6'-8" (3068)	1 3/4"	A	SC WOOD	[4 3/4"]	STEEL BREAK DOWN	FACTORY	PP, CL, K, WS, FS			(1) (4) (7) (8) (9)	
113.1 (WOMEN'S RESTROOM)	3'-0" x 6'-8" (3068)	1 3/4"	A	SC WOOD	[4 3/4"]	STEEL BREAK DOWN	FACTORY	PP, CL, K, WS, FS			(1) (4) (7) (8) (9)	

Room Finish Schedule

NO.	NAME	FLOOR				BASE			WALLS				GENERAL REMARKS	
		CT1	CT2	CT3	CT4	RB	CT3	CT4	CT5	FINISH	MATERIAL			
	ALL WALLS													
100	SALES AREA													
101	SALES COUNTER													
102	MANAGER'S OFFICE													
103	KITCHEN													
104	WALK-IN FREEZER													
105	BACKROOM													
106	WALK-IN FREEZER													
107	WALK-IN COOLER													
109	STORAGE ROOM													
110	CUSTODIAN ROOM													
111	HALL													
112	WOMEN'S RESTROOM													
113	MEN'S RESTROOM													
114	WALK-IN COOLER													

General Notes

- SEE SHEET A-101 FOR FLOOR PLAN.
- SEE SHEET A-111 FOR REFLECTED CEILING PLAN AND CEILING HEIGHT DIMENSIONS AND CEILING MATERIAL LOCATIONS.
- SEE MECHANICAL AND ELECTRICAL SHEETS FOR RELATED WORK.
- THERMASTRUCTURE INSULATED COOLER/FREEZER PANELS HAVE BEEN TESTED AND ARE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: NFPA 286 2006 EDITION, AND IBC 803.2.1 2009 EDITION.

Finish Materials Legend

Floors
CT1 CERAMIC TILE: 18" x 18" DALTILE ALTA VISTA AV-53 (DRIFTWOOD), THIN SET INSTALLATION, ON CRACK ISOLATION BARRIER, SEE SPECIFICATION THIS SHEET. 1/4" GROUT JOINTS. GROUT: MAPEI - COLOR 43 (MOCHA)

Base
RB RUBBER BASE: 4" H. x 1/8" BLACK W/ TOE
CT3 6" CERAMIC COVE BASE

Walls
P PAINT: FINISH ALL WALL JOINTS AND PATCH ALL SURFACE IRREGULARITIES TO ACHIEVE A LEVEL-5 SURFACE FINISH; APPLY A PRIME COAT AND TWO (2) FINISH COATS, SMOOTH FINISH OR AS SPECIFIED BY CASEY'S, COLOR:
SHERWIN WILLIAMS (CUSTOM COLOR FORMULA MATCH):
 - INTERIOR
 - EGGSHELL
 - EXTRA WHITE TINT BASE
 - 1 GALLON FORMULA

CCE ColorCast Ecotoneer

CCE	ColorCast Ecotoneer	OZ	32	64	128
B1	Black	0	12	1	0
R2	Maroon	0	6	1	0
Y3	Dark Gold	0	55	1	1

FRP FIBERGLASS REINFORCED PLASTIC: WHITE PANEL LAMINATED TO 1/2" ORIENTATED STRAND BOARD (OSB) MFG BY KEMLEITE. NAIL TOP AND BOTTOM ONLY DURING INSTALLATION. NFS/USDA APPROVED

CT2 CERAMIC WALL TILE: 12" x 12" DALTILE ALTA VISTA AV-53 (DRIFTWOOD), AND ONE (1) ACCENT COLOR (AV-51) (SUNSET GOLD), DIAMOND SET, 1/4" GROUT JOINTS. GROUT: MAPEI - COLOR 43 (MOCHA). INSTALL OVER GB-WET USG FIBEROCK AQUA-TOUGH SEE INTERIOR WALL ELEVATIONS SHEET A-401 FOR ADDITIONAL INFORMATION REGARDING LIMITS OF INSTALLATION
MAPCI EPOXY GROUT TO BE USED ON MEN'S RESTROOM FLOOR AND URINAL WALLS. MAPCI EPOXY KIT #9999623831

Wall Materials
GB-WET: USG FIBEROCK BRAND AQUA-TOUGH INTERIOR PANEL, MOISTURE AND MOLD RESISTANT, 5/8" CORE THICKNESS, FOR USE AS BACKING FOR PAINT FINISH WALLS & CERAMIC TILE. FINISHED PAINTED WALL TEXTURE TO BE SMOOTH.
OSB: KEMLEITE LAMINATED FRP TO 1/2" OSB SUBSTRATE (KEMPLY), INSTALL AND FINISH PER MANUFACTURERS WRITTEN INSTRUCTIONS; SEE FRP WALL FINISH FOR MORE INFORMATION.

Room Finish Schedule Notes

Floors
(F1) RAISED PLATFORM: BUILD W/ 2x6 NOM FRAMING W/ 3/4" PLY WD SUB-FLOOR, INSTALL 1/4" THIN SET, 1/2" DURAROCK UNDERLAYMENT THEN 3/8" CERAMIC WITH 1/4" THIN SET.
(F2) MANUFACTURED FLOOR: INSULATED METAL FLOORS SUPPLIED BY FREEZER EQUIPMENT MANUFACTURER, NO OTHER FINISH REQUIRED THIS AREA

Base
(B1) WALL/FLOOR JUNCTION: FREEZERS ONLY-METAL COVE INTEGRATED INTO METAL FLOOR (ONE PIECE) SUPPLIED BY FREEZER MANUFACTURER. SEALANT (CAULK) INSIDE COVE TO WALL JUNCTION.

Walls
(W1) COOLER/FREEZER FACE PANELS: USE FIBEROCK AQUA-TOUGH PANEL ON FACING OF COOLER/FREEZER IN SALES AREA.
(W2) PARTIAL WALL: SALES COUNTER BACK WALL IS A PARTIAL HEIGHT WALL (5'-2" A.F.F.)
(W3) COMPOSIT PANEL: FRP WALL FINISH IS FACTORY LAMINATED TO 1/2" OSB WALL PANELS. CONTRACTOR TO FINISH ALL JOINTS AND MAKE ALL FIELD CUTS ACCORDING TO MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
(W4) PROVIDE FIBEROCK AQUA-TOUGH PANELS FOR TILE BACKING & PAINT FINISH.

General Remarks
(1) NON-COMBUSTIBLE WALL: INSTALL STEEL STUDS WITH 5/8" AQUA TOUGH TO INTERIOR SIDE OF THE KITCHEN WALL. HEIGHT = 9'-0". ALL FRP COVERINGS WILL BE CUT TO FIT NEXT TO S/S PANELS AROUND KITCHEN HOOD AREA.

RINGDAHL
 110 22nd Ave. East, Suite 100
 Alexandria, MN 56308
 ph. (507) 763-9368
 fax (507) 762-9063

I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

[Signature]
 DATE: _____ REG. NO.: _____

PROJECT #C1417

General Door Schedule Notes

- SEE SHEET A-101 FOR FLOOR PLAN AND DOOR LOCATIONS.
- BRONZE CAULK APPLIED TO ALL EXTERIOR DOORS.
- CONTRACTOR IS TO INSTALL A FINAL COAT OF VARNISH ON ALL TRIM AND JAMBS.
- ALL SURFACES THAT ARE TO BE PAINTED ARE TO BE CLEANED WITH APPROPRIATE CLEANERS PRIOR TO PAINTING.
- INSTALL DOUBLE WALL STUDS AT ALL DOOR JAMBS.

Door Schedule Notes

- PAINT FINISH WOOD DOORS:** PREMIUM GRADE, 7-PLY SOLID PARTICLEBOARD CORE WITH PLAIN SLICED CHERRY VENEER, SOLID WOOD EDGES, LIFETIME WARRANTY.
- HOLLOW METAL DOORS:** 1 3/4" x 18 GA. FULL FLUSH PANEL. PRIME PAINT COAT. FACTORY PAINTED, DARK BRONZE KAWNEER #40.
- HARD PLASTIC DOORS:** 1" x 18 GA. WITH SOLID WOOD CORE. MEDIUM TRAFFIC DOOR WITH DOUBLE-ACTING SWING. 9" x 14" WINDOW, DOOR 105.1 ONLY.
- STEEL BREAKDOWN FRAMES:** 2" x 16 GA. SNAP ON TRIM BOTH SIDES. PRIME PAINT COAT. TWO (2) FINISH PAINT COATS, DARK BRONZE KAWNEER #40.
- ALUMINUM/GLASS DOORS:** KAWNEER 190 NARROW STILE ENTRANCE WITH 451 TRANSOM FRAME. #40 DARK BRONZE ANODIZED FINISH WITH 1" BRONZE TINTED INSULATED GLASS. DOORS TO HAVE 10" KICK PLATE.
- CONTRACTOR TO INSTALL, CLEAN, AND INSULATE FRAMES. [EXTERIOR & INTERIOR]
- TOP HINGE TO BE ANCHORED INTO STUD WITH LONG SCREWS. SUPPLIED BY OWNER, IF APPLICABLE.
- ADD 5/8" TO ROUGH OPENING FOR DOOR TO ALLOW FOR TILE FLOOR FINISH. HOLD JAMBS 5/8" OFF CONC. SUB-FLOOR AS REQ'D. FOR TILE INSTALLATION.
- RESTROOM DOOR FRAMES TO BE INSTALLED PRIOR TO FLOOR TILE BEING INSTALLED.

Hardware Key and Notes:

- AG ACOUSTIC GASKETS [HEAD/JAMB]
 C RIM CYLINDER
 CL CLOSER, SURFACE MOUNTED (VERIFY SIDE)
 H/BB MORTISE HINGES, 4-1/2 x 4-1/2, BALL BEARING, 2 PAIR PER DOOR
 K KICK PLATE
 LS LOCKSET, COMMERCIAL GRADE [SCHLAGE]
 MWS MAGNETIC WEATHER STRIPPING, SWEEP
 OP OFFSET PIVOTS
 PB PANIC BAR @ 38" AFF
 PH KAWNEER #C-09 PULL HANDLES
 PL PASSAGE LOCK
 PP PULL/PULL PLATE AND PUSH PLATE - **INSTALL OPEN END DOWN**
 S REESE 967D-36" SWEEP
 SH SPRING HINGES
 WS WALL STOP
 FS FLOOR STOP
 LL LOCKSET - LEVER TYPE

HARDWARE FINISH: US3
 PROVIDE MASTER KEY FOR LOCKSETS AND COORDINATE KEYING WITH OWNER.
 SUBMIT HARDWARE SCHEDULE AND PRODUCT DATA TO OWNER FOR REVIEW/APPROVAL.

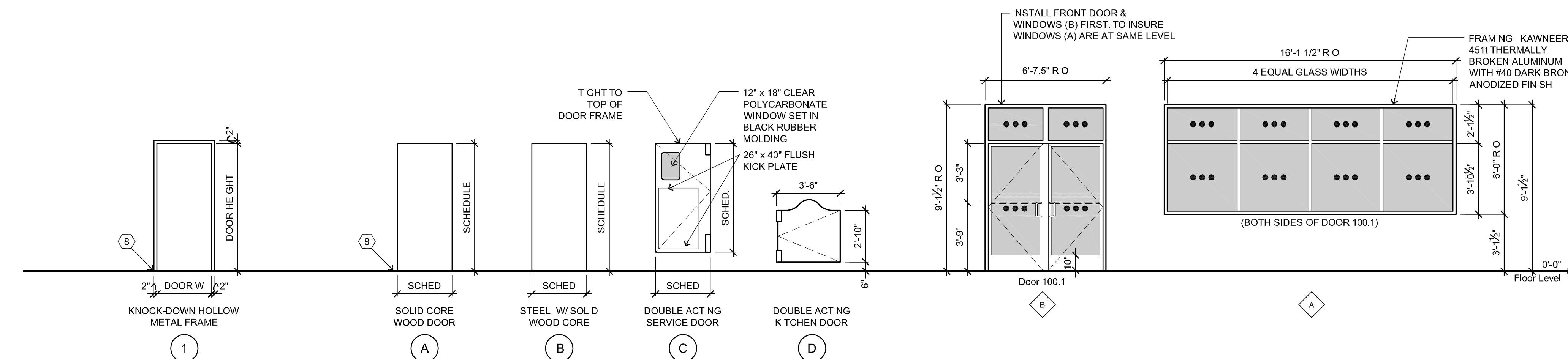
General Finishes Notes

- FLOORING PREP:** GENERAL CONTRACTOR TO CHECK CONCRETE FLOOR SLAB FOR MOISTURE TWO WEEKS PRIOR TO FLOOR COVERINGS DATE.
- MOISTURE TESTING - A MAT MOISTURE TEST IS AN EFFICIENT MOISTURE TESTING METHOD FOR CONCRETE SLAB. SIMPLY PLACE A 18"x18" HEAVY, CLEAR GAUGE POLYETHYLENE SHEETING ON THE FLOOR IN AN AREA THAT IS LIKELY TO BE WET (TEST LARGE SITES IN SEVERAL LOCATIONS). TAPE THE PERIMETER OF THE PIECE SECURELY SO THAT NO AIR CAN PENETRATE AND LEAVE IN PLACE FOR 24 HOURS. THEN REMOVE THE PIECE(S) AND EXAMINE THE FACE. IF WATER DROPS ARE PRESENT, EXCESSIVE MOISTURE EXISTS AND THE CONCRETE MUST DRY LONGER. MOISTURE TESTS SUCH AS OHMMETER RESISTANCE, CALCIUM CHLORIDE, ETC., ARE ALSO ACCEPTABLE.**
- ALKALI TESTING - AFTER MOISTURE TESTING, IT IS MANDATORY TO TEST FOR ALKALINITY. USE PH STRIPS W/DISTILLED WATER 5-9 SCALE ARE ACCEPTED. NOT TO BE UNDER 5 OR OVER 9. TO NEUTRALIZE, MOP THE SURFACE OF THE CONCRETE WITH A 10% MURATIC ACID SOLUTION. ALLOW SOLUTION TO DRY COMPLETELY. DO NOT RINSE CONCRETE AFTER APPLYING THE SOLUTION.**
- BOTH THE GENERAL AND FLOORING CONTRACTOR TO COORDINATE THE CONDITION OF THE CONCRETE FLOOR SLAB TO DETERMINE ITS SUITABILITY AS A SUBSTRATE FOR FLOOR MATERIAL TO BE INSTALLED. FLOORING CONTRACTOR IS TO TAKE ALL APPROPRIATE TESTS BEFORE LAYING TILE. FLOOR IS TO BE DRY AND FREE FROM CONTAMINANTS. THE APPLIED ADHESIVE MUST DEVELOP "LEGS" OR TACK PRIOR TO APPLYING TILE.
- 48 - 72 HOURS BEFORE INSTALLATION, THE TEMPERATURE MUST BE 70 ° OR ABOVE UNTIL STORE OPENING.
- FLOOR CARE PROCEDURE:** AFTER THE FLOOR TILE IS LAID, ALLOW A MINIMUM OF 72 HOURS DRYING TIME FOR THE GLUE TO CURE. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SEE NO ONE ENTERS THE STORE DURING THE 72 HOUR DRYING TIME.
- DUST MOP CLEAN THE ENTIRE FLOOR.
- AFTER 72 HOURS, CONTRACTOR IS TO COVER EVERY INCH OF ENTIRE FLOOR IN ALL ROOMS, EXCEPT UTILITY ROOM. COVER WITH ARMSTRONG PAPER AND TAPING THE SEAMS. DO NOT TAPE ANY EDGES! HIGH TRAFFIC AREAS SHOULD BE DOUBLE THICKNESS, WORN AREAS SHOULD BE REPAIRED AS NEEDED.
- CONTRACTOR WILL CUT (BE CAREFUL) AND REMOVE PAPER TO INSTALL CABINETS, EQUIPMENT, AMCO WIRE SHELVING, STAINLESS STEEL TABLES. NO PAPER SHOULD BE LEFT UNDER ANY SET EQUIPMENT.
- CONTRACTOR SHALL HAVE A GARBAGE DUMPSTER AVAILABLE ACCORDING TO CASEY'S SPECIFICATIONS MANUAL "GENERAL REQUIREMENTS, PAGE 1-6, SECTION 5, ITEM "E".
- CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING ALL REMAINING PAPER PRIOR TO CASEY'S STORE SET INSTALLING LOZIER SHELVING.
- MATERIAL SUPPLIED AND SHIPPED BY CASEY'S ON FIRST LOAD:**
- 5-ROLLS ARMSTRONG (S-153) SCRIBING FELT PAPER 36" x 50 YARDS EACH.
- 6-ROLLS NATURAL (CP083) CREPE MASKING TAPE 1-1/2" x 60 YARDS EACH.

VARNISH ALL WOOD TRIM!!!

Crack Isolation Specification

SURFACE PREPARATION: MUST BE CLEANED OF ALL DUST & DEBRIS, AND STRIPPED OF ANY SEALERS, WAXES; OR OTHER BOND BREAKERS.



Glazing Key - All Windows

••• 1" BRONZE TINTED INSULATED TEMPERED GLASS WITH LOW-E COATING ON THE #3 SURFACE.

3 Frame Types
 1/4" = 1'-0"

2 Door Types
 1/4" = 1'-0"

1 Window Frame Elevations
 1/4" = 1'-0"

CASEY'S Construction Division
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)

REVISIONS:

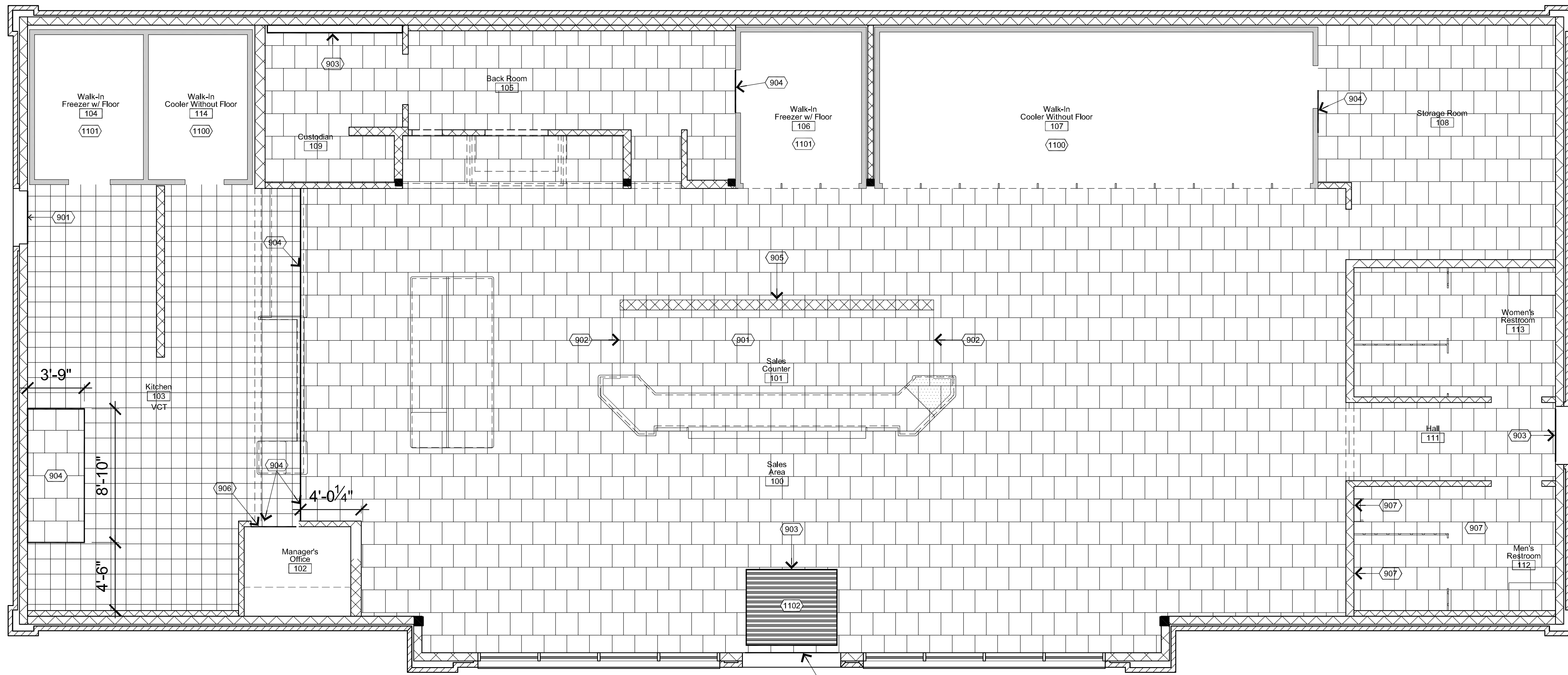
DATE: _____

DESIGNED BY: DLT

CHECKED BY: PDR

DOOR, WINDOW & ROOM FINISH SCHEDULES

A-601



Ceramic Tile Flooring Plan
 1/4" = 1'-0"

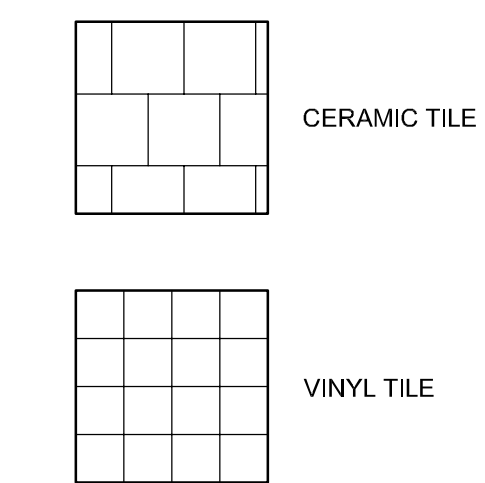
General Notes

- MAPELASTIC/FIBERGLASS MESH FULL COVERAGE ON CRACKS AND SAWCUTS EXCEPT BACKROOM (105) AND CUSTODIAN ROOM (109). JUST TREAT SAW CUTS IN THESE AREAS.
- ALL FLOOR TILE SET WITH MEDIUM BED THIN SET WITH 1/2" TROWEL
- 6" CUT TILE AROUND EDGE OF PLATFORM. TILE SHOULD EXTEND PAST PLATFORM AND COVER END OF PLATFORM WALL.
- REFER TO PAGE A-501 DETAILS 6 & 7 FOR PLATFORM INFORMATION.
- REFER TO PAGE A-601 FOR OTHER ROOM FINISH INFORMATION.
- FILL SAW CUTS WITH SELF LEVELING CAULK BEFORE MAPELASTIC/FIBERGLASS MESH IS INSTALLED.
- CERAMIC TILE. TILE SUPPLIED BY CASEY'S GENERAL STORES. ORDERED AND INSTALLED BY FLOORING CONTRACTOR. TILE SPECIFICATIONS SUPPLIED BY OWNER.
- MAPCI EPOXY GROUT TO BE USED ON THE MEN'S RESTROOM FLOOR AND THE URINAL WALL. MAPCI EPOXY KIT #9999623831

Construction Notes

- DIVISION 11 - EQUIPMENT**
- 1100 COOLER PACKAGES WITH PROTECT-ALL VINYL FLOORING.
 - 1101 FREEZER PACKAGES WITH MANUFACTURER METAL FLOOR.
 - 1102 5/8" RECESSED ENTRY WAY MAT TO BE INSTALLED 6" FROM THRESHOLD OF FRONT ENTRY DOORS. RECESSED INTO FLOOR TILE.
- DIVISION 9 - FINISHES**
- 901 7" SALES PLATFORM. TO BE CONSTRUCTED OF 2"x6" FRAMING, 3/4" SUB-PLY, LAYER OF THIN SET, 5/8" DURA ROCK, LAYER OF THIN SET, 1/4" CERAMIC FLOOR TILE. **PLATFORM IS NOT TO BE INSTALLED IN NEBRASKA STORES!**
 - 902 WRAP WHOLE PLATFORM WITH RONDEX SCHLUTER RO100AE. TILE SHOULD CONTINUE PAST EDGE OF PLATFORM AND COVER END OF PLATFORM WALL.
 - 903 USE SCHLUTER AE 100 FOR ALL EXTERIOR DOORS, ELECTRICAL ROOM AROUND CONDUIT CHASE AND THE ENTRY MAT.
 - 904 USE SCHLUTER AEU 100 FOR ALL INTERIOR ENTRY WAYS. BUTT TIGHT AGAINST THRESHOLD TYP. SEALANT AS REQ'D.
 - 905 4" VINYL BASE ON BACKSIDE OF PLATFORM WALL.
 - 906 LAY CERAMIC TILE THROUGH DOOR JAMBS WHEN MEETING VINYL TILE AND SEALED CONCRETE FLOOR. SEE A-601 FOR OTHER ROOM FINISHES.
 - 907 MAPCI EPOXY GROUT TO BE USED ON THE MEN'S RESTROOM FLOOR AND THE URINAL WALL. MAPCI EPOXY KIT #9999623831

Flooring Legend



Crack Isolation Specification

SURFACE PREPARATION: MUST BE CLEANED OF ALL DUST & DEBRIS, AND STRIPPED OF ANY SEALERS, WAXES, OR OTHER BOND BREAKERS.

Version: May 12, 2010

Fiberglass Mesh

For Mapelastic, Mapelastic 315, Mapelastic HPG and Mapelastic Smart Waterproofing Products

DESCRIPTION
 MAPEI Fiberglass Mesh is a ready-to-use, thin, strong yet flexible, alkali-resistant mesh for reinforcement with waterproofing and crack-isolation membranes, including MAPEI Mapelastic™, Mapelastic 315, Mapelastic HPG and Mapelastic Smart on residential and commercial floors, walls and ceilings.

FEATURES AND BENEFITS

- Compatible with MAPEI's Mapelastic™, Mapelastic 315, Mapelastic HPG and Mapelastic Smart waterproofing membranes and Mapelastic™ accessories.
- Fully compatible with MAPEI's mortars and grouts for complete system protection.
- Durable, flexible and lays flat, making it easy to embed.
- Fast to install - ready to use, and easy to cut with scissors or razor knife.

WHERE TO USE
 See MAPEI's individual Technical Data Sheets (TDS) for Mapelastic, Mapelastic 315, Mapelastic HPG and Mapelastic Smart for specific uses.

LIMITATIONS
 See MAPEI's individual TDSs for Mapelastic, Mapelastic 315, Mapelastic HPG and Mapelastic Smart for specific limitations.

SUITABLE SUBSTRATES
 See MAPEI's individual TDSs for Mapelastic, Mapelastic 315, Mapelastic HPG and Mapelastic Smart for specific substrates.

SURFACE PREPARATION

- All suitable substrates must be smooth, absolutely sound and free of any substances that could prevent adhesion.
- Do not use chemical masonry joint cleaning or etching to prepare approved substrates. Use mechanical methods only.
- To remove any bond-inhibiting material, concrete substrates should be mechanically cleaned and prepared by diamond cup grinding or other engine-approved methods to obtain the 3 dimensional Concrete Repair Institute (CRI) concrete surface profile (CSP) of #2. When concrete requires more mechanical preparation, the profile will typically increase. In such cases, the surface can be made smooth by applying coats of MAPEI's Penetrator™ patching compound.
- See TDSs of individual waterproofing products for other important surface preparation instructions. For other details, see MAPEI's Surface Preparation Requirements document for the crack isolation systems at www.mapei.com or contact MAPEI Technical Services Department.

PRODUCT APPLICATION
 See MAPEI's individual TDSs for Mapelastic, Mapelastic 315, Mapelastic HPG and Mapelastic Smart for specific application instructions.

Version: March 16, 2010

Mapelastic HPG

Flexible Waterproofing and Crack-Isolation Membrane

DESCRIPTION
 Mapelastic HPG is a ready-to-use, highly flexible, liquid acrylic waterproofing membrane for interior and exterior concrete tile or stone on residential and light commercial interior floors and walls. Applied with a roller, trowel or brush, Mapelastic HPG has excellent compatibility with cement-based mortars. When installed with MAPEI's Fiberglass Mesh, Mapelastic HPG can also be used as a crack-isolation membrane and meets ANSI A118.10 standards for waterproofing. In addition, Mapelastic HPG is APMO-listed for use as a shower pan liner.

FEATURES AND BENEFITS

- Dual protect on: Provides waterproofing and crack isolation.
- Prevents in-slab floor cracks from transmitting through tile or stone.
- Compatible with MAPEI's Fiberglass Mesh and Mapelastic™ accessories.
- Can patch with MAPEI's mortars and grouts for complete system protection.
- Durable and flexible. Adapts to a wide range of substrates.
- Ready to use: easy to apply with roller, trowel or brush.
- Install in 10 or 20 minutes after mixing for 10 to 24 hours.
- Flex-test after 12 hours cure.

INDUSTRY STANDARDS AND APPROVALS
 ANSI A118.10 - Exceeds
 ASTM C827 (Rebissues) - Full heavy service rating

RELATED DOCUMENTS
 Reference Guide: Surface Preparation Requirements for tile and stone installation systems - R97999-001
www.mapei.com

STATEMENT OF RESPONSIBILITY
 Before using, user shall determine the suitability of the product for its intended use and user assumes all risks and liability without exception. MAPEI's products are sold as-is and without warranty. ANY CLAIM SHALL BE DENIED OR WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.

EXPANSION AND CONTROL JOINTS

Sealant (depth is 1/2" wide)
 Backup felt (width is 2" wide)
 Concrete floor

MAPEI

MAPEI Headquarters of the Americas
 1164 Lee Highway Circle One
 Denver, CO 80202
 Phone: 1-888-45-MAPEI
 (1-888-45-6274)

Technical Services
 1-888-45-6274 (U.S. & Puerto Rico)
 1-833-351-8888 (Canada)
 Customer Service
 1-888-45-MAPEI (1-888-45-6274)

For the most current BEST-BACKED™ product data and warranty information, visit www.mapei.com.
 Expiration Date: May 12, 2010
 Project: FLOORING PLAN - 0210 WAREHOUSE
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Version: March 16, 2010

Mapelastic HPG

Flexible Waterproofing and Crack-Isolation Membrane

DESCRIPTION
 Mapelastic HPG is a ready-to-use, highly flexible, liquid acrylic waterproofing membrane for interior and exterior concrete tile or stone on residential and light commercial interior floors and walls. Applied with a roller, trowel or brush, Mapelastic HPG has excellent compatibility with cement-based mortars. When installed with MAPEI's Fiberglass Mesh, Mapelastic HPG can also be used as a crack-isolation membrane and meets ANSI A118.10 standards for waterproofing. In addition, Mapelastic HPG is APMO-listed for use as a shower pan liner.

FEATURES AND BENEFITS

- Dual protect on: Provides waterproofing and crack isolation.
- Prevents in-slab floor cracks from transmitting through tile or stone.
- Compatible with MAPEI's Fiberglass Mesh and Mapelastic™ accessories.
- Can patch with MAPEI's mortars and grouts for complete system protection.
- Durable and flexible. Adapts to a wide range of substrates.
- Ready to use: easy to apply with roller, trowel or brush.
- Install in 10 or 20 minutes after mixing for 10 to 24 hours.
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 fax (507) 762-9063

PROJECT #C1417

I CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

[Signature]
 DATE: _____ REG. NO.: _____

CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

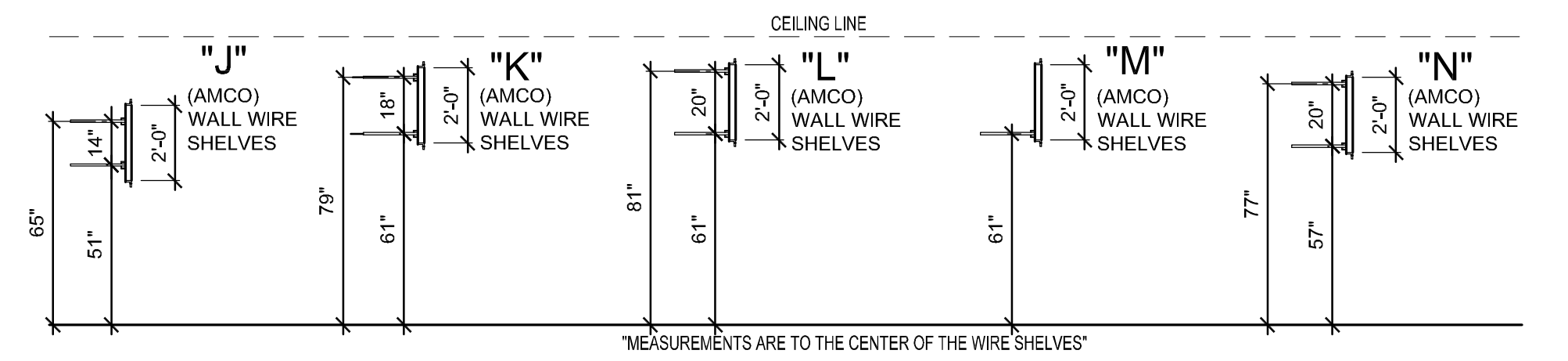
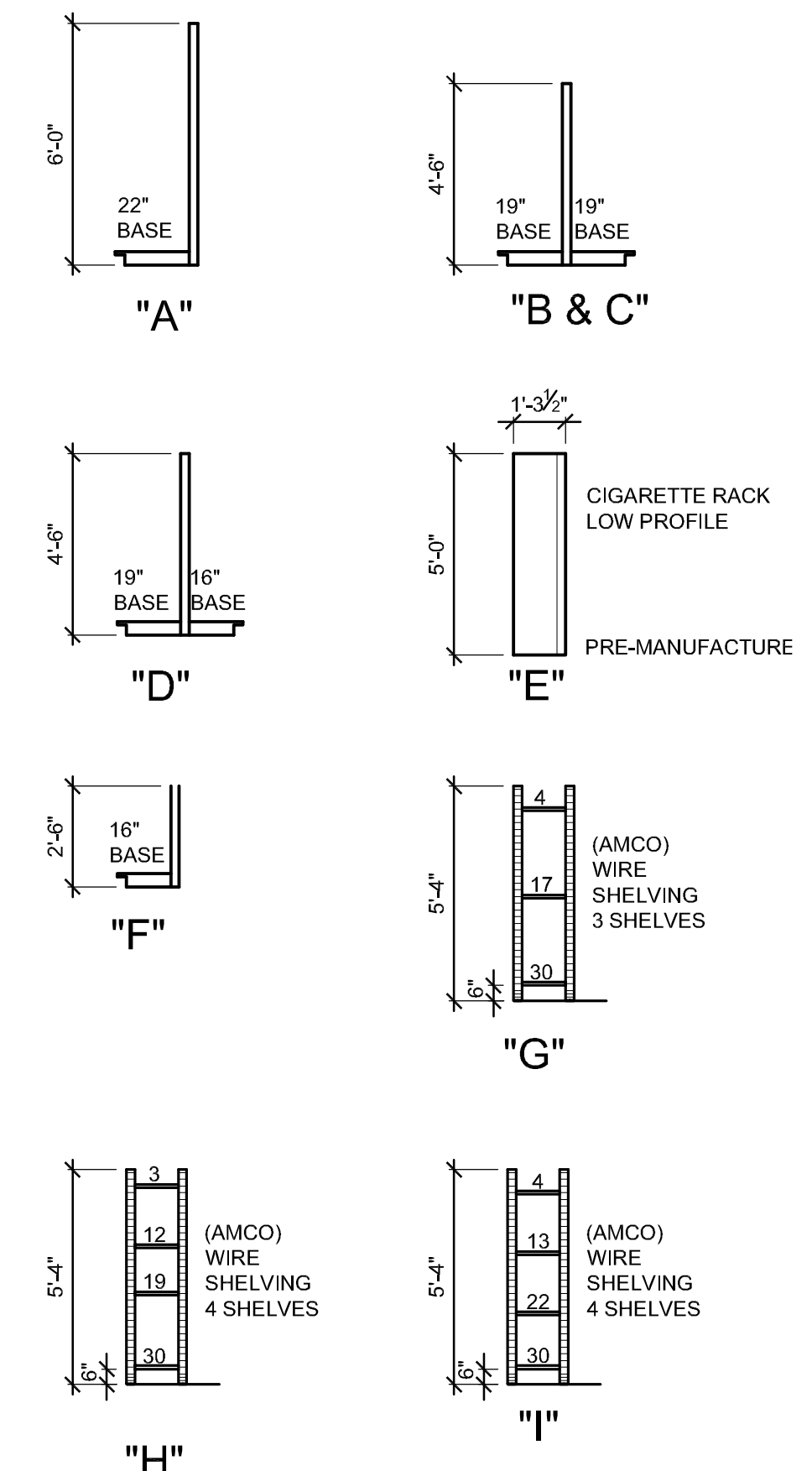
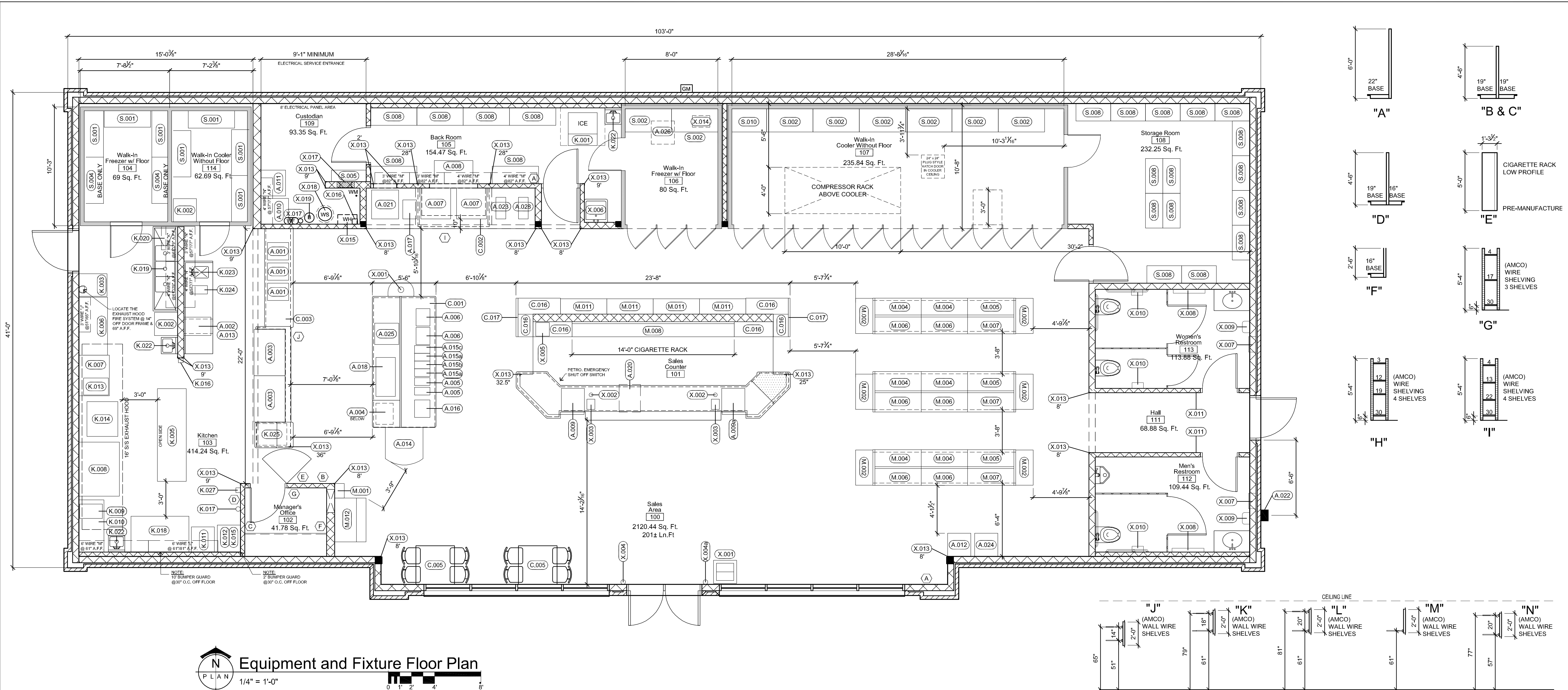
PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)

DESIGNED BY: CONSTRUCTION DIVISION
 DRAWN BY: DLT

REVISED ON: _____

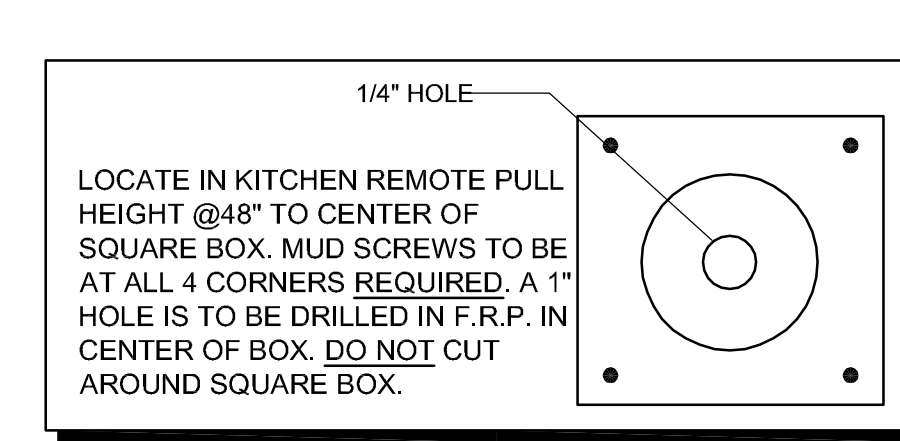
DIVISION INFORMATION: CERAMIC TILE FLOORING PLAN

A-701



A - APPLIANCE			M - MERCHANDISING			BULLETIN BOARD		
NOTE	DESCRIPTION	DETAILS	NOTE	DESCRIPTION	DETAILS	NOTE	DESCRIPTION	DETAILS
A.001	SELF-SERVE SANDWICH/PIZZA WARMER		M.001	MUGS		(A)	36" x 48" VERTICAL	BOTTOM = 50" A.F.F.
A.002	COUNTERTOP COOKER/WARMER		M.002	3"-0" END CAP		(B)	18" x 24" GLASS ENCLOSED	PERMIT BULLETIN BOARD, 56" A.F.F.
A.003	DELI SANDWICHES - (2) 4'-0" PREP TABLES	WITH SNEEZE GUARDS	M.004	16-16-15 SHELVING		(C)	18" x 24" VERTICAL	BOTTOM = 70" A.F.F.
A.004	MICROWAVE (BELOW COUNTERTOP)		M.005	16-15-15 SHELVING		(D)	18" x 24" VERTICAL	
A.005	2 SH DOCKING STATION	W/ 2 SERVERS	M.008	13 SHELVING		(E)	16" x 48" VERTICAL	BOTTOM = 36" A.F.F.
A.006	CAPPUCCINO	3 & 5 HEAD (3 HEAD ON RIGHT, 5 HEAD ON LEFT)	M.007	SHELVING		(F)	12" x 36" VERTICAL	BOTTOM = 36" A.F.F.
A.007	SELF-SERVE FOUNTAIN DRINK	10 DISPENSER HEADS	M.008	55" CIGARETTE RACK	168" (14'-0" L.)	(G)	KEY RING SHELF	MOUNT ABOVE LIGHT SWITCH
A.008	BAG-IN-BOX W/ CARBONATOR		M.010	SHELVING		(I)	1-47" MONITOR	INSTALLED BY GRAPHICS CONTR.
A.009	CASH REGISTER #1		M.011	16-15 SHELVING		(J)	3-47" MONITORS	INSTALLED BY GRAPHICS CONTR.
A.009a	CASH REGISTER #2		M.012	SELF-SERVE DONUT CASE	SHELF @ 5", 11", 17", 23"			
A.010	ELECTRIC WASHER UNIT		M.013	DRINKING FOUNTAIN	HIGH/LOW TYPE			
A.011	ELECTRIC DRYER UNIT							
A.012	ATM							
A.013	COMMERCIAL COMBINATION OVEN	MOUNT @ 52" A.F.F.						
A.014	OPEN TOP COOLER	BORGEN MODEL WDL-100						
A.015a	FLAVOR SHOTS							
A.015b	CONDIMENTS							
A.015c	FRESH CREAMER							
A.016	DUAL COFFEE BREWER	W/ 2 SERVERS						
A.017	ICE COFFEE							
A.018	CONDIMENT AREA							
A.020	UNDERCOUNTER SAFE							
A.021	FROZEN CARBONATED BEVERAGE FREEZER	# C302 - McCORMACK						
A.022	AIR COMPRESSOR BOX	LOCATED AT 4' HEIGHT						
A.023	ICE TEA BREWER	MODEL TB3Q WITH TDO-4 DISPENSER						
A.024	LOTTO MACHINE							
A.025	SOFT SERVE ICE CREAM MACHINE							
A.026	ICE FOLLET MACHINE	SITS ON RACK ABOVE CEILING						
A.027	FOLLETT MANAGER	ON WALL ABOVE DOOR						
A.028	SWEET TEA URN							

Remote Pull Detail (K.027)



NOTE:
CONTRACTOR TO ASSEMBLE SHELVES G, H, I, J, K, L & M; MEASUREMENTS ARE TO THE CENTER OF THE WIRE SHELVES

CONTRACTOR TO ASSEMBLE SHELVES G, H, & I; MINIMUM 6" OF CLEARANCE FROM BOTTOM SHELF TO FINISH FLOOR.

ALL STORAGE SHELVING TO MEET NSF STANDARD #2 "BLUE POLYGLARD"

2 Shelving Components

1/4" = 1'-0"

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CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Greg Ringdahl
DATE: _____ REG. NO. _____

PROJECT #C1417

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

CONSTRUCTION DIVISION
EQUIPMENT PLAN

DATE: _____

APPROVED BY: _____

PROJECT: _____

REVISIONS: _____

DATE: _____

PROJECT: _____

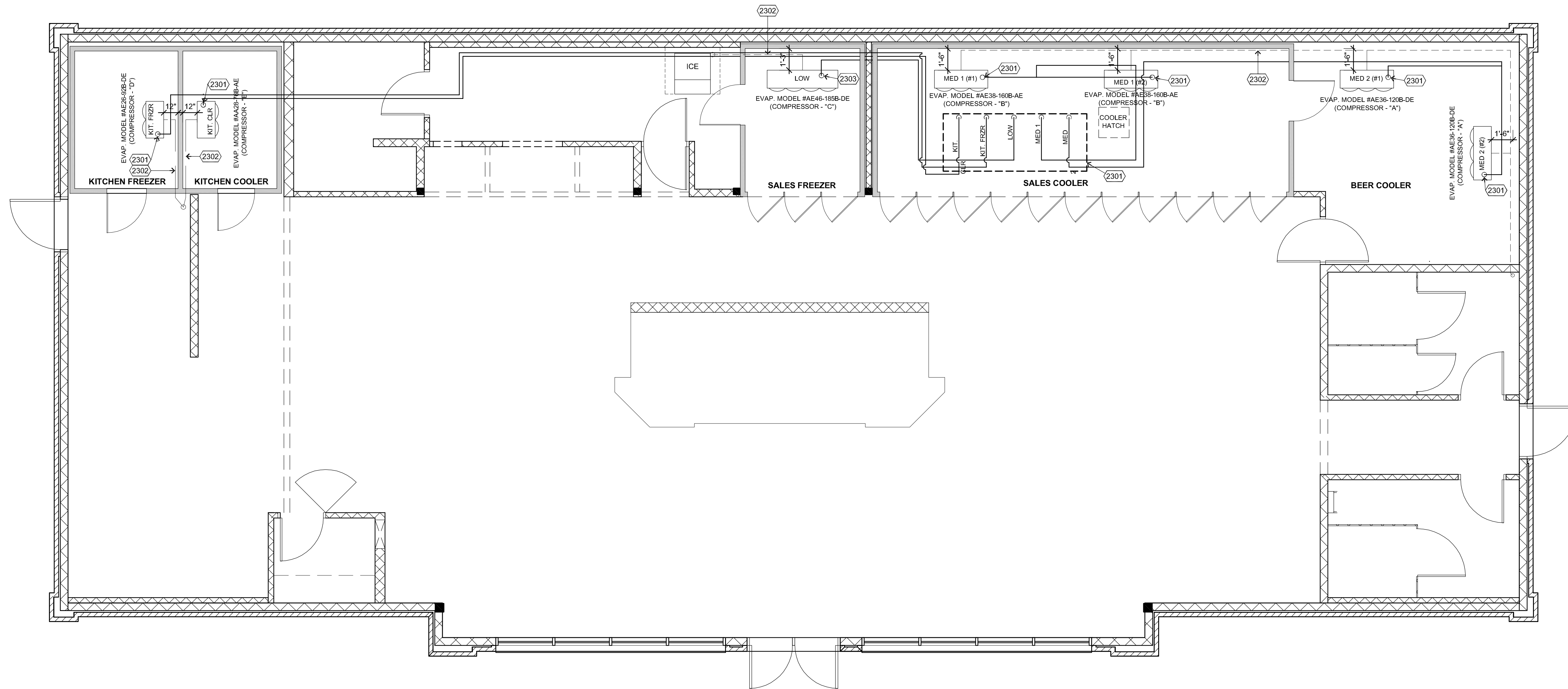
REVISIONS: _____

DATE: _____

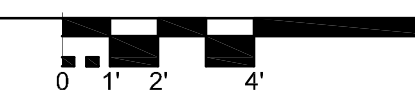
PROJECT: _____

REVISIONS: _____

DATE: _____



Refrigeration Equipment Plan
 1/4" = 1'-0"



General Construction Notes

- 1 COOLER EVAPORATOR COILS TO BE 18" FROM BACK WALL & CENTERED IN COOLER. SALES FREEZER EVAPORATOR COILS TO BE 15" FROM BACK WALL & CENTERED IN FREEZER.
- 2 ALL SUCTION LINE RISERS REQUIRE OIL TRAP BEFORE VERTICAL RISE.
- 3 ALL PENETRATIONS THRU COOLER/FREEZERS BOXES TO BE SEALED INSIDE/OUTSIDE AND AIR TIGHT. INSIDE OF CONDUITS TO BE SEALED WITH POLYWATER FST-250 FOAM SEALANT.
- 4 ALL LOW TEMP EVAPORATOR DRAINS TO HAVE TRAP OUTSIDE OF CABINET. MED TEMP EVAP. DRAIN INSIDE CABINET
- 5 ALL SUCTION LINES TO BE FULLY INSULATED FROM EVAPORATOR TO COMPRESSOR.
- 6 DRAIN LINES IN WALLS TO BE INSULATED (NO TRAPS INSIDE INTERIOR WALLS)
- 7 ALL COPPER PIPING TO BE SECURED BY PROVIDED CLAMP OR HANGER
- 8 ICE HOUSE (LOW TEMP), SUC. = 7/8" / LIQ. = 1/2"
- 9 MED. TEMP 1 & 2 (#1 & #2), SUC. = 7/8" / LIQ. = 1/2"
- 10 KITCHEN FREEZER, SUC. = 7/8" / LIQ. = 1/2"
- 11 KITCHEN COOLER, SUC. = 7/8" / LIQ. = 1/2" (5/8" RISER)
- 12 BRASS UNIONS TO BE WITH-IN 6" OF EVAPORATOR PAN
- 13 KITCHEN COOLER/FREEZER EVAPS 12" CENTERED FROM WALL (SHOWN)
- 14 REFRIGERATION CONTRACTOR TO INSTALL AIR COMPRESSOR LINE ROUTED TO FLOOR DRAIN
- 15 INSTALL 5/8" ACR DRAIN (WITH BALL VALVE) FROM AIR COMPRESSOR ROUTED TO FLOOR DRAIN
- 16 ALL ROOF PENETRATIONS TO MATCH PIPING CURB OPENING
- 17 PIPING CURBS TO BE SEALED WATER TIGHT
- 18 ALL PENETRATIONS THRU PIPING CURBS TO BE SEALED WATER TIGHT
- 19 ALL CONDENSATION DRAIN LINES TO BE 7/8" ACR PIPE OR EQUAL
- 20 ICE MACHINE CONDENSER LINES 1/2" ACR - 3/8" ACR.
- 21 ALL RTU CONDENSATE DRAINS TO BE 1" PVC RAN TO RAIN GUTTERS BY PLUMBING CONTRACTOR.

Keyed Construction Notes

- DIVISION 23 - HVAC**
- (2301) COMPRESER EQUIPMENT RACK LOCATED UNDER ROOF TRUSSES
 - (2302) ROUTE CONDENSATE LINES TO FLOOR DRAINS, RE: PLUMBING DRAWINGS
 - (2303) OIL TRAP ON ALL SUCTION RISERS

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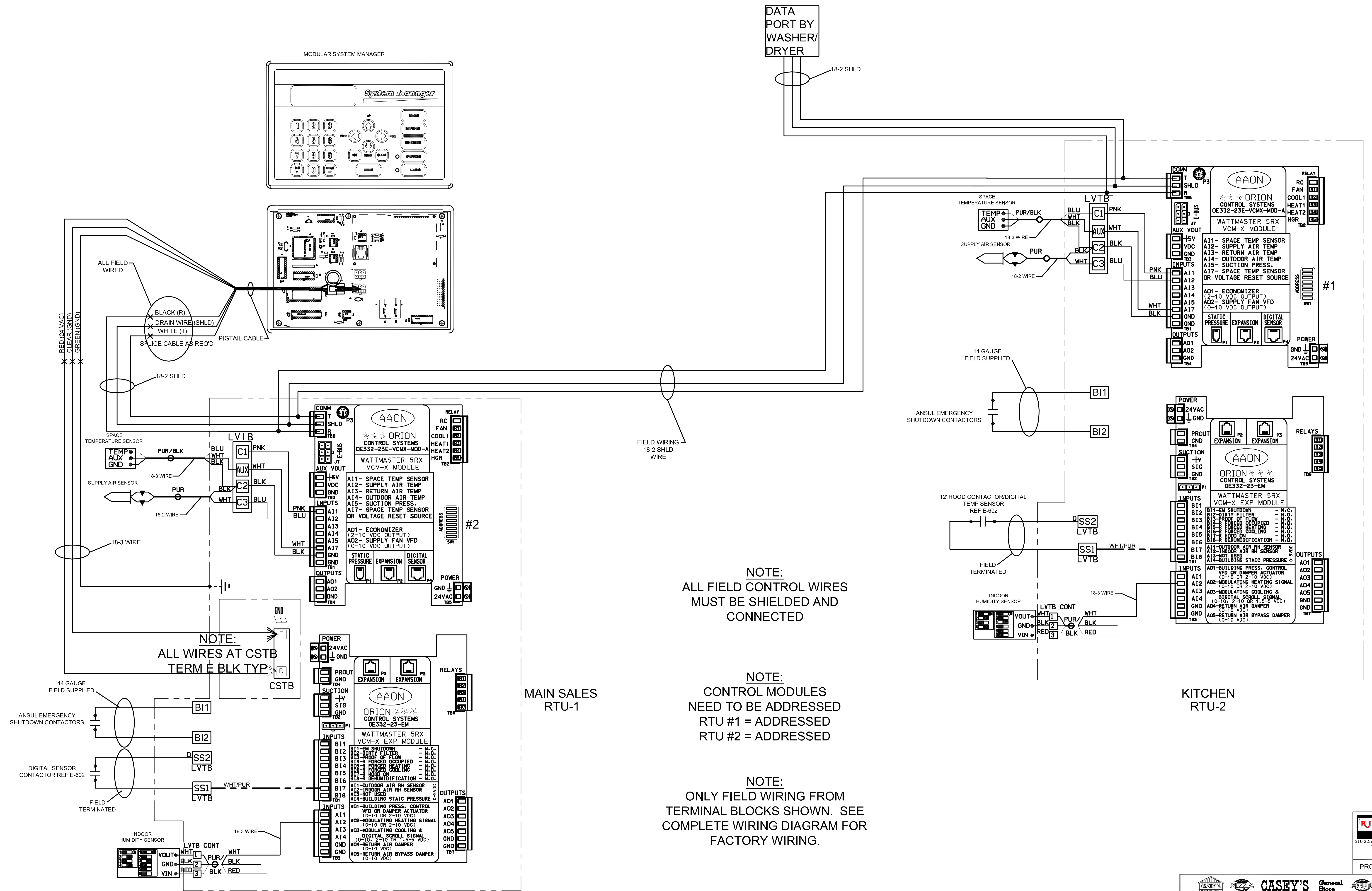
PROJECT #C1417

CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT:	"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	PUBLISHED:	REVISIONS:	DIVISION INFORMATION:	REFRIGERATION EQUIPMENT PLAN
DRAWING INFORMATION:	CONSTRUCTION DIVISION	DESIGNED BY:	TOM GRUBER		
DRAWN BY:	JACOB CLARK				

QR-101



1 AAON RTU Wiring Schematic
 Isometric Diagram - Not To Scale

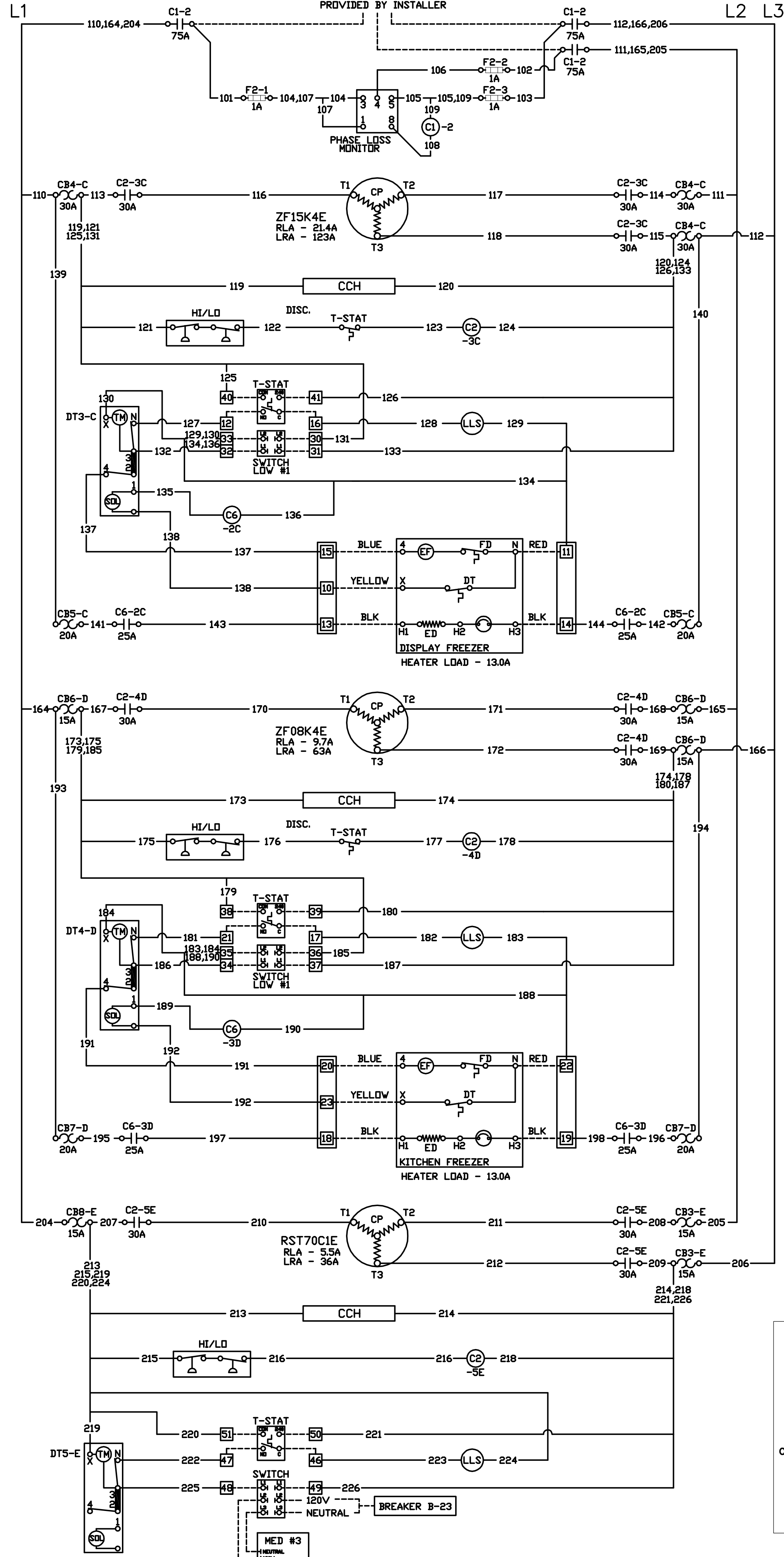
RJUNGDAHL
 510 22nd Ave. East, Suite 102
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 PROJECT #C1417

CASEY'S General Store	
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100	
PROJECT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	DESIGNED BY: COMFORT COOLING WIRING
DRIVING INFORMATION: CONSTRUCTION DIVISION ESTABLISHED BY: JACOB CLARK	REVISED BY: TOM GRUBER
QR-601	

- NOTES: 1. PROVIDE FIELD WIRING (60°C CU) AND PROTECTION PER LOCAL CODES.
2. THREE PHASE COMPRESSORS PROTECTED AGAINST PRIMARY SINGLE PHASING.

208-230/60/3

BRANCH CIRCUIT PROTECTION AND DISCONNECT SWITCHES PROVIDED BY INSTALLER



SALES FREEZER

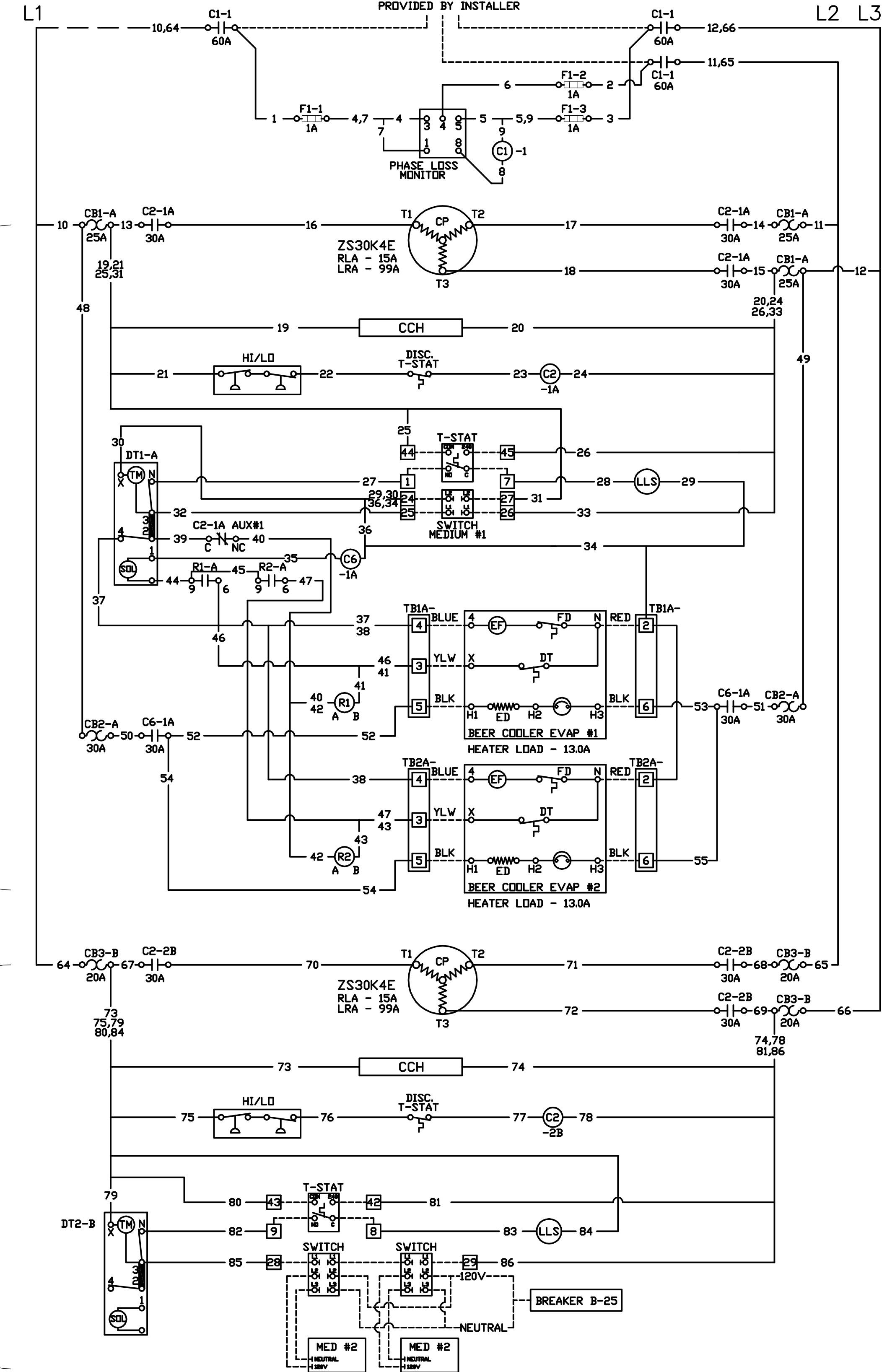
KITCHEN FREEZER

KITCHEN COOLER

- NOTES: 1. PROVIDE FIELD WIRING (60°C CU) AND PROTECTION PER LOCAL CODES.
2. THREE PHASE COMPRESSORS PROTECTED AGAINST PRIMARY SINGLE PHASING.

208-230/60/3

BRANCH CIRCUIT PROTECTION AND DISCONNECT SWITCHES PROVIDED BY INSTALLER



BEER COOLER

SALES COOLER

REFRIGERATION SYSTEM WIRING NOTES:

MEDIUM TEMPERATURE SYSTEMS:

1. EACH MEDIUM TEMPERATURE COMPRESSOR IS AN INDEPENDENT SYSTEM. A TEMPERATURE CONTROL IS PROVIDED FOR EACH SYSTEM BY CASEY'S.
2. THE EVAPORATOR FANS FOR THE MEDIUM SYSTEM ARE TO OPERATE CONTINUOUSLY. (BREAKER B-25).
3. COOLER GLASS DOORS LIGHTS ARE TO OPERATE CONTINUOUSLY. (BREAKER B-29).
4. THERMOSTAT LOCATION AND INSTALLATION DIMENSIONS, ARE LOCATED ON PAGE QR-401.

LOW TEMPERATURE AND KITCHEN FREEZER SYSTEMS:

1. EACH LOW TEMPERATURE COMPRESSOR IS AN INDEPENDENT SYSTEM. A TEMPERATURE CONTROL IS PROVIDED FOR EACH SYSTEM BY CASEY'S.
2. WIRING CONNECTIONS FROM THE COMPRESSOR RACK CONTROL PANEL TO EACH LOW TEMPERATURE EVAPORATOR ARE MADE BY THE ELECTRICAL CONTRACTOR.
3. SALES FREEZER GLASS DOORS LIGHTS ARE TO OPERATE CONTINUOUSLY. (BREAKER B-27).
4. THERMOSTAT LOCATION AND INSTALLATION DIMENSIONS, ARE LOCATED ON PAGE QR-401.
6. SERVICE LIGHTS FOR THE COOLER/LOW TEMP. CABINET ARE ON (BREAKER B-35) AND THE KITCHEN FREEZER IS (BREAKER B-33).

ALL WIRING CONNECTIONS TO EQUIPMENT ARE TO BE TERMINATED BY ELECTRICAL CONTRACTOR! ALL FACTORY WIRING CONNECTIONS ARE TO BE CHECKED BY ELECTRICAL CONTRACTOR.

1. ALL FIELD WIRES MUST BE NUMBERED AS SHOWN, ON BOTH ENDS OF EACH WIRE.
2. ALL ELECTRICAL PENETRATIONS INTO COOLER OR FREEZERS, MUST BE SEALED AIR TIGHT INSIDE CONDUIT WITH POLYURETHANE FST-250 FOAM SEALANT AND OUTSIDE CONDUIT WITH SILICONE.
3. DISCONNECT MOUNTED ON SIDE OF CONDENSING UNIT.
4. MAKE SURE ALL ROOF DISCONNECTS ARE OFF!
5. MARK ALL WILD LEGS INSIDE ELECTRIC PANELS, DISCONNECTS, AND LINE SIDE OF CONTACTORS WITH ORANGE TAPE.
6. DISCONNECT SWITCHES FOR THE SALES FREEZER AND KITCHEN FREEZER SHALL BE WIRED WITH 4 DIFFERENT COLORED WIRES.
7. ALL DEFROST HEATER WIRES SHALL #12 STRANDED.

1 Refrigeration Wiring Schematic -
Diagram - Not To Scale

DTFD - DEFROST TERMINATION/FAN DELAY SWITCH	Fixed Type - Therm-O-Disc -BRN -BLK	Ajustable Type - Penn BLUE RED WHITE	Ajustable Type - Ranco 1 2 3	FACTORY WIRE FIELD WIRE
ABBREVIATIONS	EF - EVAPORATOR FAN(S)	F - FUSE	PDS - PUMP DOWN SWITCH	
C - CONTACTOR	F - FAN MOTOR CAPACITOR	FCP - FAN CONTROL PRESSURE	PTB - POWER TERMINAL BLOCK	
CAP - CIRCUIT BREAKER	FCT - FAN CONTROL TEMPERATURE	FDS - FUSED DISCONNECT SWITCH	R - RELAY	
C AUX. - AUXILIARY CONTACTOR SWITCH	HF - COMPRESSOR HEAD FAN	HOS - HOT GAS SOLENOID	RH - RECEIVER HEATER	
CCH - CHAMBER HEATER	CP - COMPRESSOR	H/L - HIGH/LOW PRESSURE CONTROL	RPC - RECEIVER PRESSURE CONTROL	
CON - CONDENSER FAN	DCM - DEMAND COOLING MODULE	IV - DEMAND COOLING INJECTION VALVE	RSPC - RUSS-SAVER PRESSURE SWITCH	
CP - COMPRESSOR	DT - DEFROST TIMER	LLS - LIQUID LINE SOLENOID	SOL - TIMER RESET SOLENOID	
DTFD - DEFROST TERMINATION/FAN DELAY SWITCH	ED - ELECTRIC DEFROST	MP - COMPRESSOR MODULE POWER	TB - TERMINAL BLOCK/BOARD	
		OF - OIL FAILURE CONTROL	TD - TIME DELAY RELAY	
			TM - TIMER MOTOR	
			TS - TOGGLE SWITCH	
			US - UNLOAD SOLENOID	
			V - SOLENOID VALVE	

DRAWING NUMBER:
126170 & 126170
DRAWN BY: SS
REV DATE: 12/12/12
DESCRIPTION:
WIRE DIAGRAM 208-230/60/3
CASEY'S GENERAL STORE
MEDIUM TEMP

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ph: (320) 763-9688
fax: (320) 762-9063
PROJECT #C1417

CASEY'S General Store
CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

"O2" STYLE STORE
FLAT ROOF
(RAMSEY MINNESOTA)

REFRIGERATION WIRING SCHEMATIC
MED - TEMP

QR-602

General Notes

- REFER TO ALL DETAIL PAGES REFERENCED ON THIS PLAN
- FOR RELATED INFORMATION SEE THE FOLLOWING SHEETS:
C-SHEETS FOR SITE CIVIL INFORMATION
AL-SHEETS SITE LAYOUT AND LOCATION OF PUMPS / STORAGE TANKS

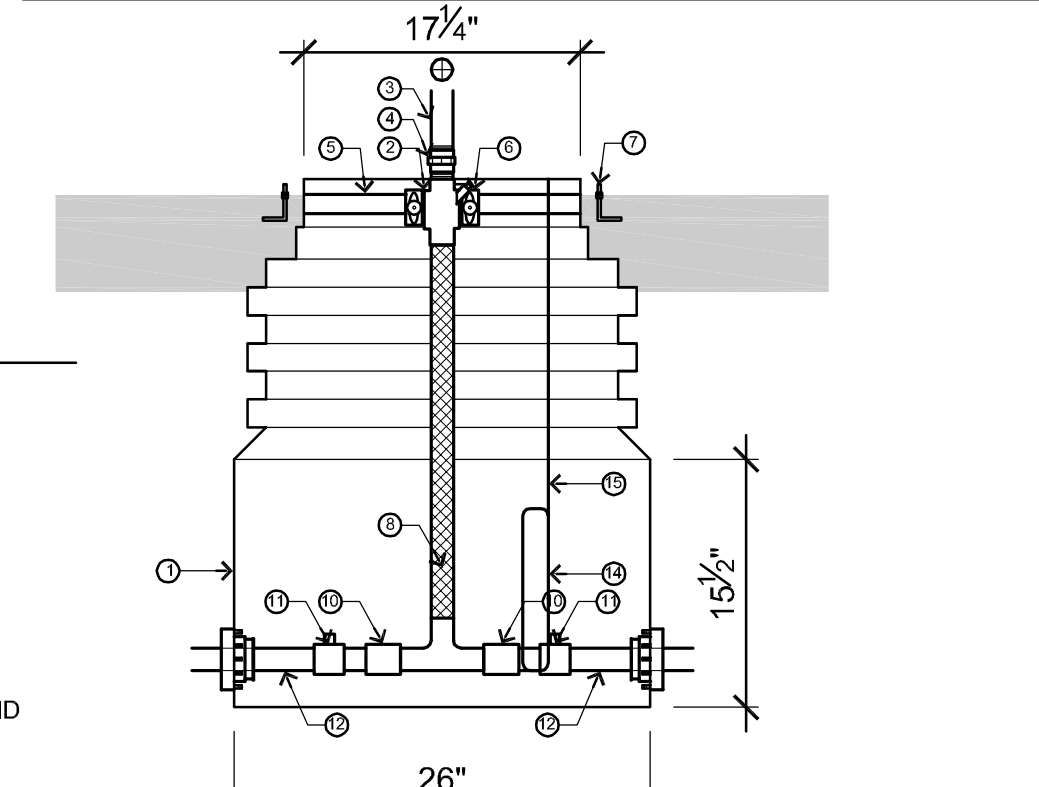
Keyed Construction Notes

- CONTRACTOR TO CLEAN & PAINT 2 COATS (BROWN) ON ISLAND FORMS, GUARD PIPES, DOWN SPOUTS AND CANOPY COLUMNS. CONTRACTOR TO INSTALL WASH BUCKETS TO CANOPY COLUMNS. CAUTION COLUMN MAY CONTAIN VENT PIPES FROM U.G.S.T. CONTRACTOR IS TO INSTALL INTERCOM SYSTEM. LOCATE SPEAKERS @ 12' HEIGHT.
- SNAP FRAME BRACKET KITS WILL BE SUPPLIED BY OWNER (IF APPLICABLE).
- CONTRACTOR TO INSTALL PETROLEUM EQUIPMENT AS LISTED: SHORT HOSE, THENCE BREAKAWAY, THENCE LONG HOSE, THENCE SWIVEL, THENCE NOZZLE.
- VERIFY QUANTITY OF ITEMS PER SITE.
- CONTRACTOR IS TO REFER TO THE ARNING CANOPY PLANS FOR MORE INFORMATION.
- SHEAR POINT OF OPW 10-RFP (#30) VALVES TO BE FLUSH W/TOP OF FINISHED ISLAND.
- 250# LB. UNIONS REQUIRED AT DISPENSERS AND SUBMERSIBLES.
- SLOPE ALL PIPING BACK TO TANK 1/8" PER FOOT MIN.
- AIR & SOAP TEST ALL PRIMARY PRODUCT PIPING, MIN. 12 HR. AFTER INSTALLATION HAS BEEN COMPLETED AT 60 P.S.I. (RECOMMEND LEAVING SOME PRESSURE ON DURING CONST.)
- HYDROSTATIC LIQUID TESTING REQUIRED ON PUMP BOXES AND TURBINE ENCLOSURES.
- AIR & SOAP TEST ALL VENT PIPING, MIN. 12 HR. AFTER INSTALLATION HAS BEEN COMPLETED AT 5 P.S.I. (PRECAUTION IF NOT ISOLATING LINE FROM TANK)
- 18" MIN. BURIAL BETWEEN PIPING AND FINISHED SURFACE.
- TANKS W/PRODUCT TO HAVE MONITORING AND LOGGING OF LEVELS THROUGHOUT CONSTRUCTION.
- GALV. VENT PIPES UP THROUGH SEPARATE CANOPY COLUMN (VERIFY) 5' ABOVE CANOPY DECK W/90° GALVANIZED ELBOW AND FLEX AT FOOTING.

- *20,000 GALLON TANK: 3" VENT IN ONE COLUMN
*12,000 & 8,000 GALLON TANKS: 2" VENT EACH BOTH IN 1 COLUMN.
IF APPLICABLE:
*14,000 & 6,000 GALLON TANKS: 2" VENT EACH BOTH IN 1 COLUMN.
- APPLY SIKAGARD 62 PROTECTIVE COATINGS ON ALL EXPOSED METAL IN CONJUNCTION W/PETROLEUM, (TANKS, PIPING, RISER PIPES, PUMP BOXES, ETC.) UNDERGROUND.
 - FOLLOW ALL MANUFACTURER SPECIFICATIONS.
 - AIR & SOAP TEST TANKS PER MANUFACTURER'S SPECIFICATIONS BEFORE INSTALLATION.
 - FINAL TIGHTNESS TESTING REQUIRED ON TANKS & PIPING (PERFORMED BY 3RD PARTY).
 - TURBINE ENCLOSURE & PUMP BOXES, TO BE CLEANED & DRIED PRIOR TO FINAL INSPECTION.

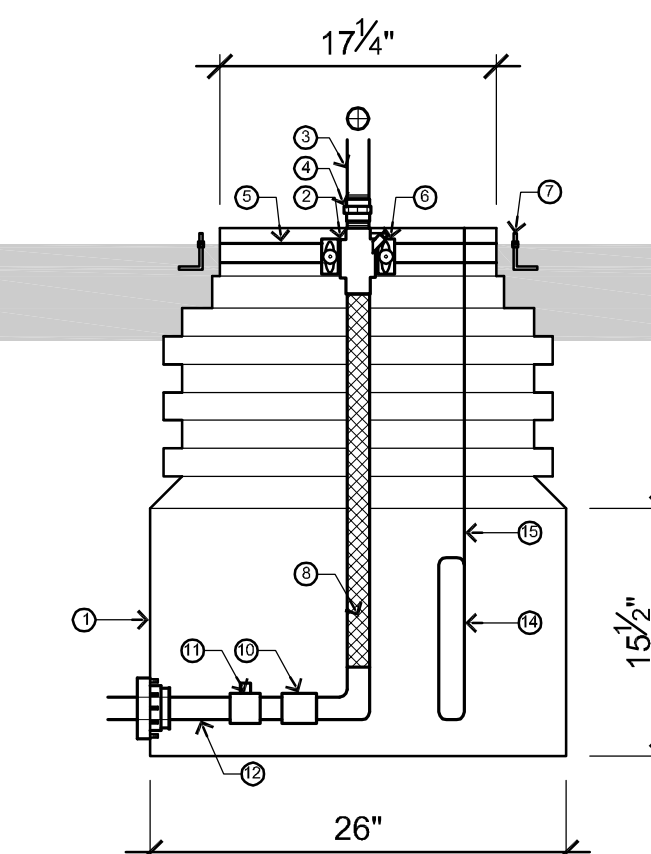
KEYNOTES	
1	DISPENSER CONTAINMENT SUMP
2	OPW #10 RFP 1-1/2" SHEAR VALVE
3	1 1/2" RISER PIPE
4	1 1/2" UNION 250#
5	STABILIZER BAR
6	MOUNTING PLATE
7	DISPENSER ANCHOR BOLT
8	FLEX CONNECTOR
9	2" GALV. 90° ELBOW
10	APT MALE SWIVEL FITTING
11	REMOVABLE APT SECONDARY TEST BOOT
12	1 3/4" APT FLEXIBLE DOUBLEWALL PIPE
13	APT 1 3/4" RIGID ENTRY BOOT
14	VR SUMP SENSOR
15	VR SUMP SENSOR MOUNTING BRACKET
16	1" RIGID CONDUIT
17	1" SEAL-OFF
18	3/4" RIGID CONDUIT
19	3/4" SEAL-OFF
20	3/4" EXPLOSION PROOF JUNCTION BOX

Emergency Fuel Shut-Off Detail



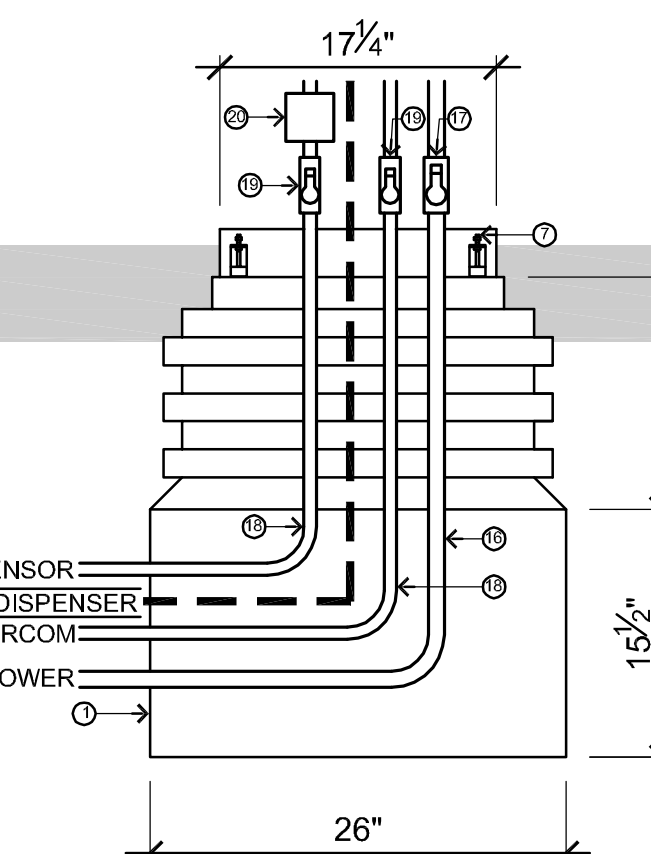
8 Side View (Mid)

1" = 1'-0"



9 Side View (End)

1" = 1'-0"



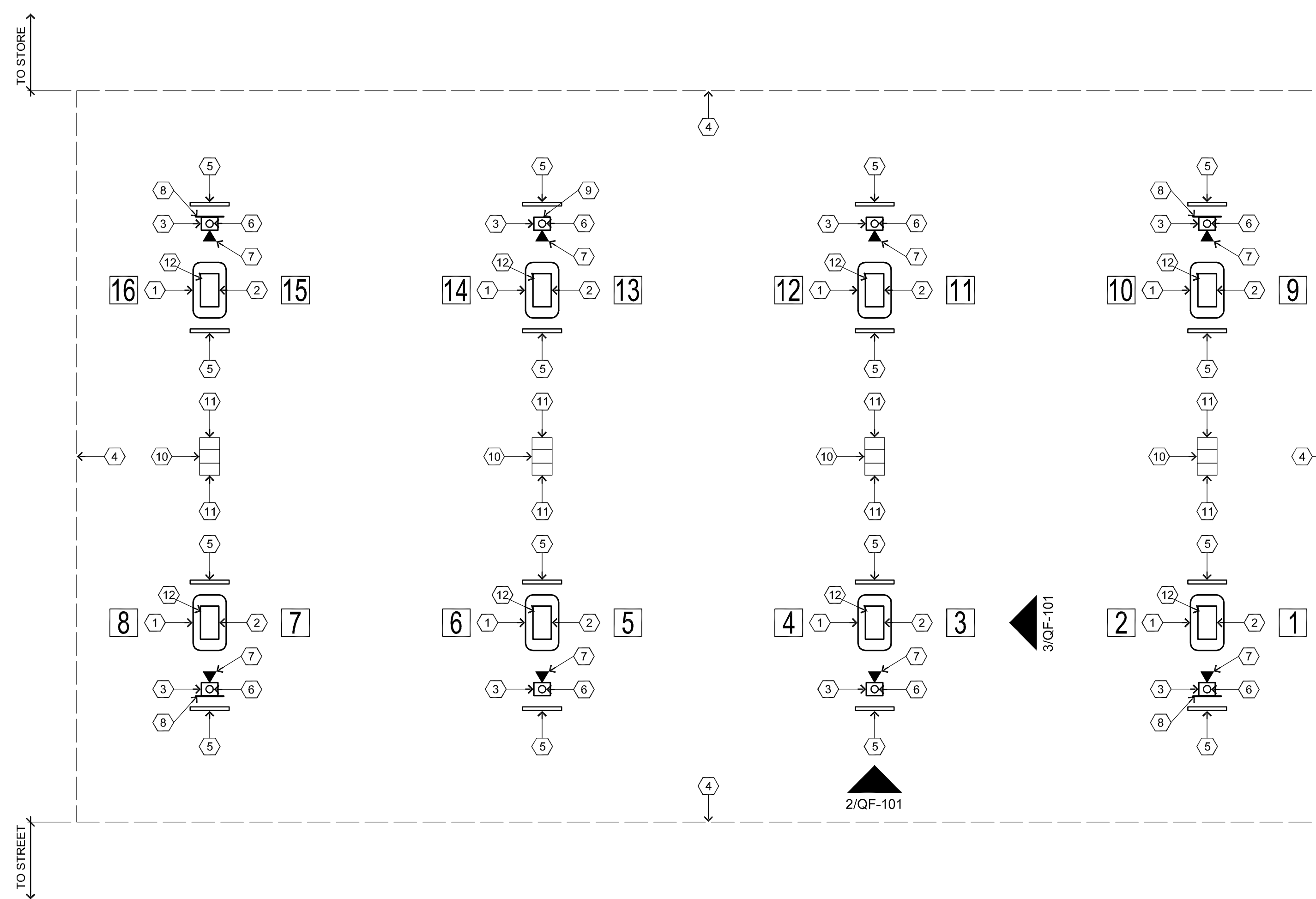
10 Sump Electrical Detail

1" = 1'-0"

- General Sump Notes:**
- VERTICAL SEAL-OFF IS TO BE INSTALLED 30" FROM THE TOP OF THE SEAL-OFF TO THE BOTTOM OF THE PUMP BOX, REQUIRED.
 - ALL A-SIDES ARE TOWARDS THE STORE #1 TANK PIPING IS ALWAYS TO THE RIGHT
 - FOLLOW MANUFACTURERS INSTRUCTIONS, SPECIFICATIONS.
 - PIPE ALL PRODUCTS THROUGH ALL SUMPS, PLUG TEES AT ISLANDS THAT DO NOT USE ALL PRODUCTS
 - RIGID CONDUITS TO BE RUN ON OUTSIDE OF PUMP BOX, DO NOT PENETRATE PUMP BOX WITH CONDUIT
 - LOW OCTANE PRODUCT TOWARDS THE STORE, LOW OCTANE PRODUCT IS ALWAYS TO THE RIGHT
 - CONTRACTOR TO NOTE PIPING LINE LENGTH FOR VEDER-ROOT PROGRAMING

3 Fuel Island Front Elevation/Section

1/2" = 1'-0"



Keyed Plan Notes

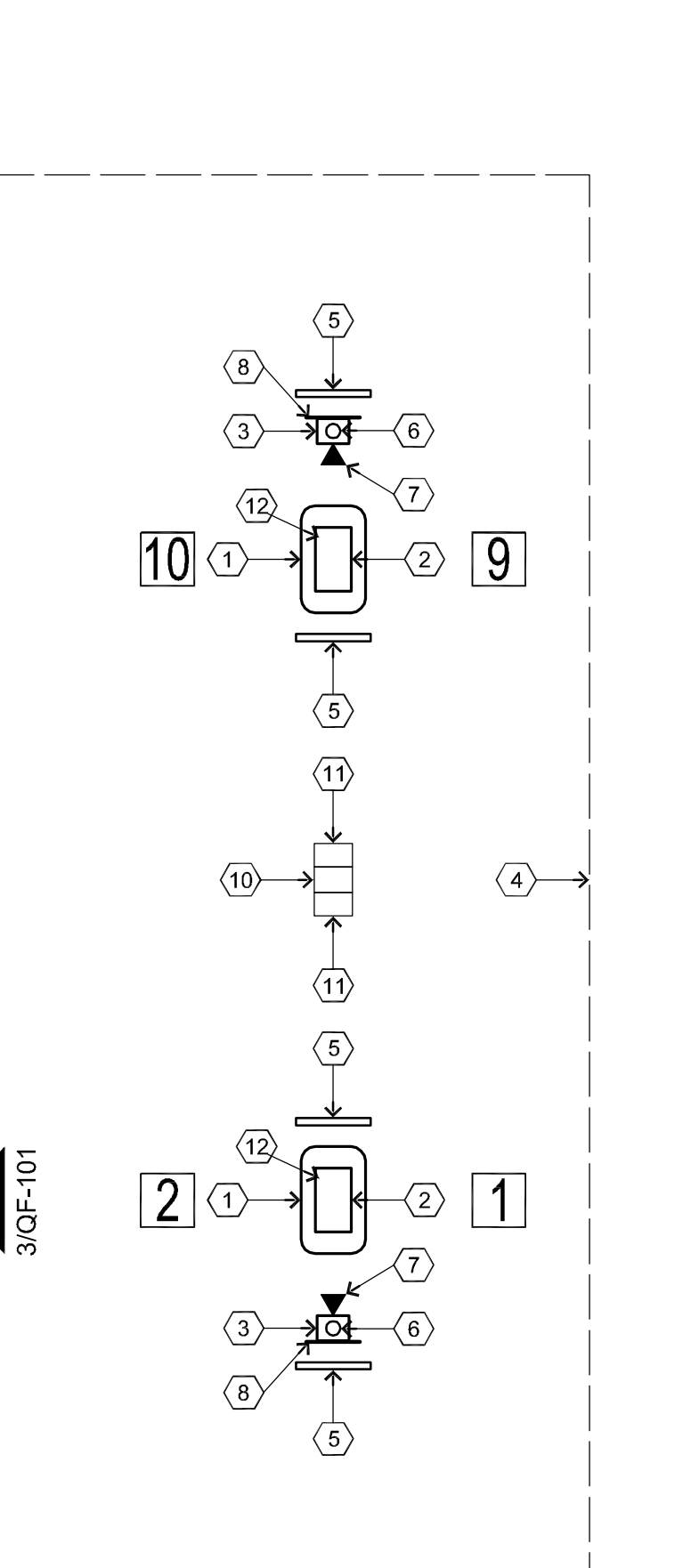
- FUEL ISLANDS: 3' x 5' PRE-MANUFACTURED FORMS TO BE FILLED W/ CONC
- FUEL DISPENSERS: SUPPLIED BY OWNER
- CANOPY COLUMN: SUPPLIED BY CANOPY MFG.
- EDGE OF CANOPY: ABOVE
- STEEL GUARD PIPE: SET INTO CONC SLAB AS INDICATED IN DETAIL ELEVATIONS (2 PER ISLAND)
- INTERNAL DOWNSPOUTS: ROUTE THROUGH COLUMNS AND UNDERGROUND TO STORM SEWER OR DETENTION IF APPLICABLE
- INTERCOM SPEAKER: MOUNT TO COLUMN @ 12' FROM BOTTOM OF SPEAKER TO PAVING
- SNAP FRAME SIGNS: MOUNT TO COLUMNS 2' ABOVE GUARD PIPE
- ELECTRICAL: WATERPROOF HOUSING W/ LOCKABLE COVER, MOUNTED ON COLUMN FACING STORE, AS SHOWN
- TRASH CAN: CENTER BETWEEN COLUMNS
- WASH BUCKETS: PLACED ON EACH END OF TRASH CAN

1 Fuel Island Plan - 8 Island, 8 Dispenser DOUBLE STACKED, HEAD-IN Layout

1/8" = 1'-0"

2 Fuel Island End Elevation

1/2" = 1'-0"



General Plan Notes:

- THIS PLAN LAYOUT PROVIDES GENERAL REFERENCE AND RELATIONAL INFORMATION PERTAINING TO THE FUEL PUMP ISLANDS AND CANOPY
- FOR LOCATING THESE FACILITIES ON THE SITE REFER TO THE SITE PLAN DRAWINGS CONTAINED IN THIS SET OF DOCUMENTS.
- FOR EXACT DESIGN AND LAYOUT OF CANOPY REFER TO SHOP DRAWINGS PROVIDED BY CANOPY MANUFACTURER.
- FOR ADDITIONAL SPECIFICATION INFORMATION REGARDING ACCESSORY ELEMENTS REFER TO THE CASEY'S SPECIFICATION MANUAL

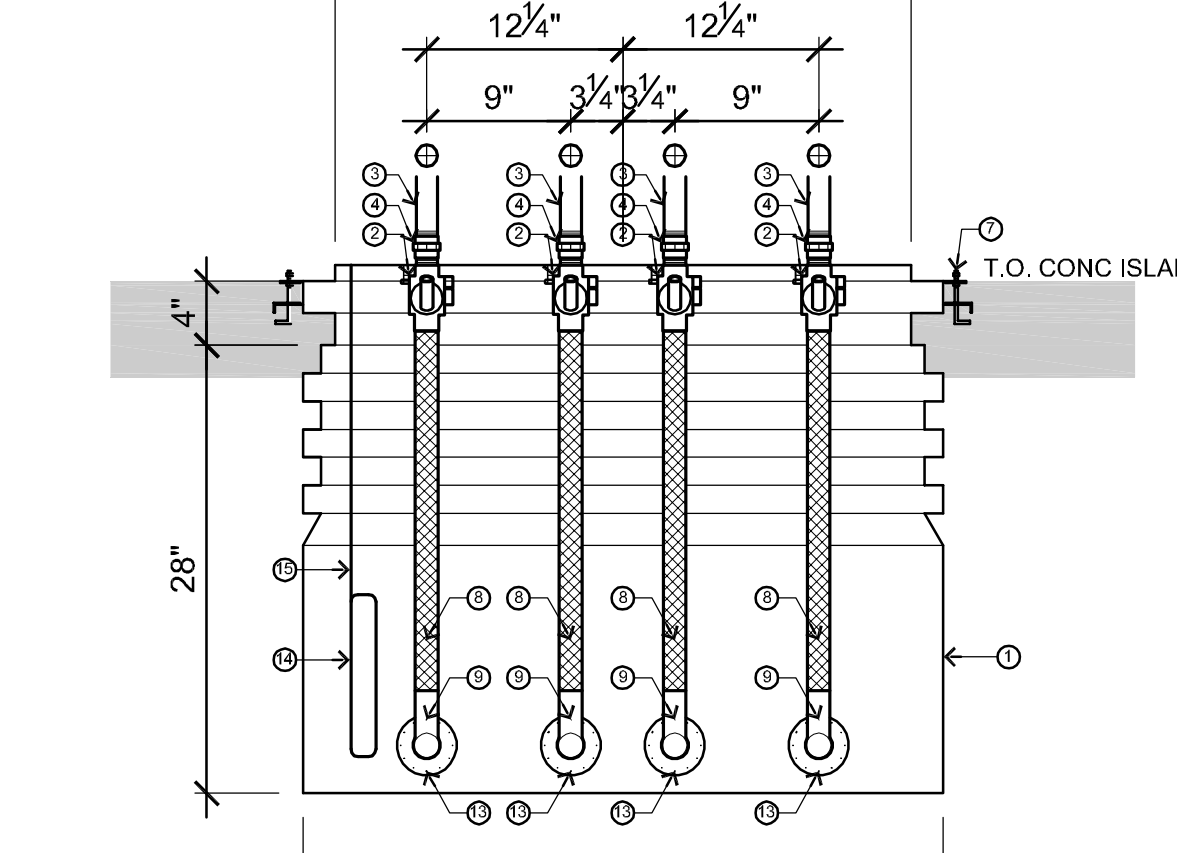
RJNGDAHL
Architects, Inc.
310 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph: (320) 763-9688
fax: (320) 762-9063

PROJECT #C1417

CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100	
"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	FUEL PUMP ISLAND PLAN & DETAILS
CONSTRUCTION DIVISION DESIGNED BY: JACOB CLARK CHECKED BY: TOM GRUBER	QF-101

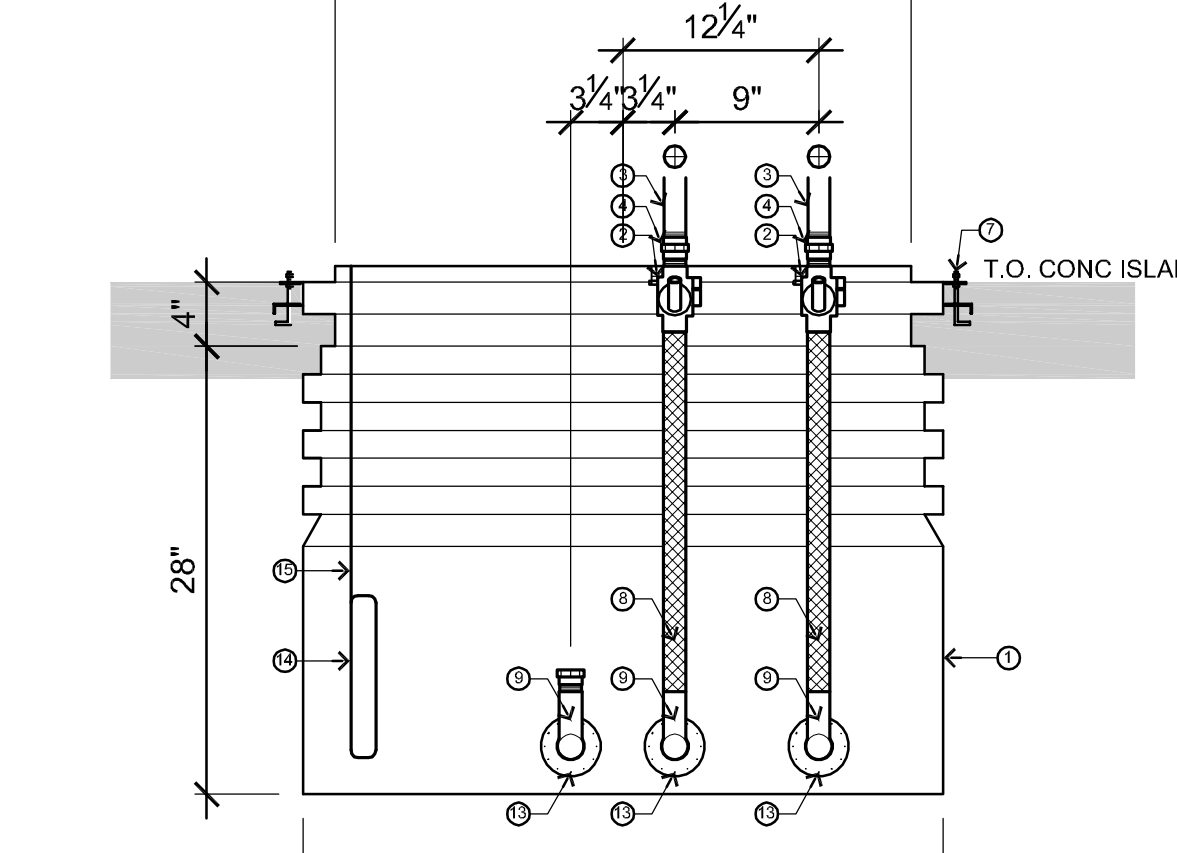
7 NG0 - Containment Sump Details

1" = 1'-0"



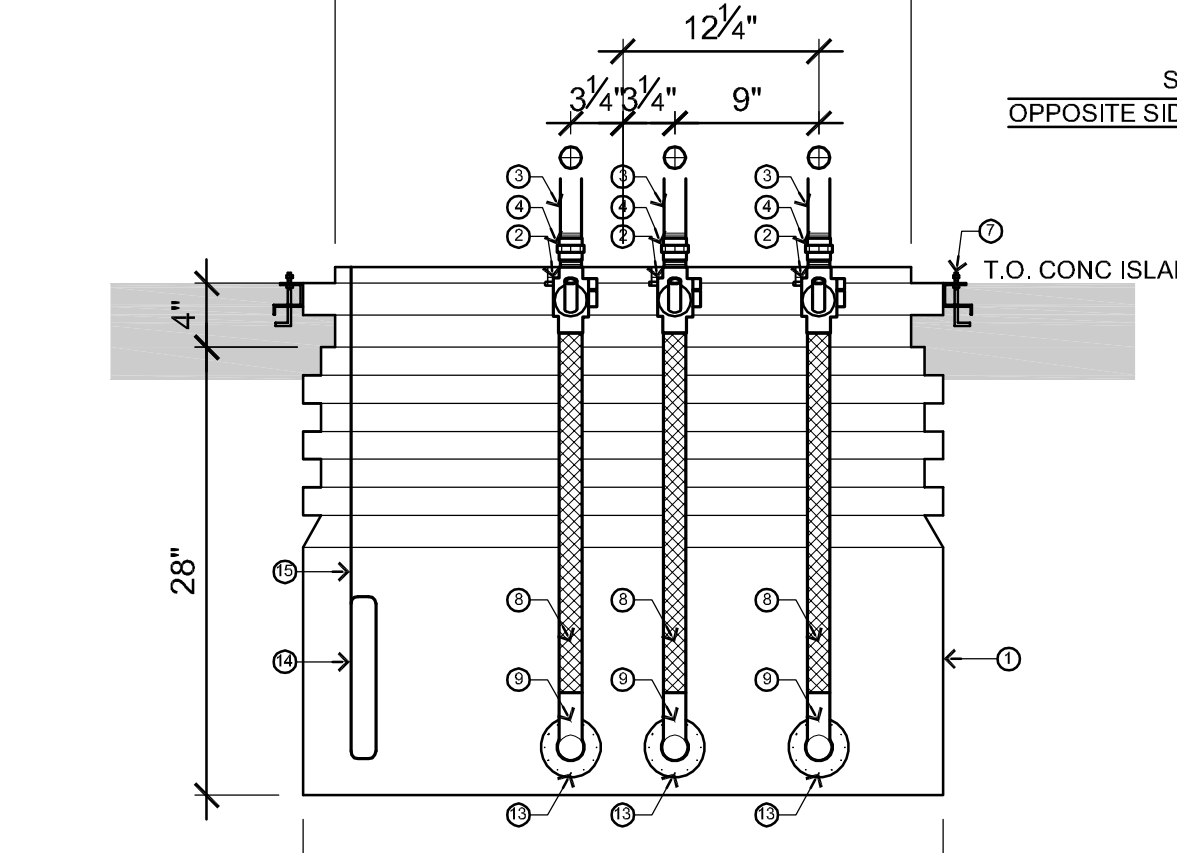
6 NG1 - Containment Sump Details

1" = 1'-0"



5 NN1 - Containment Sump Details

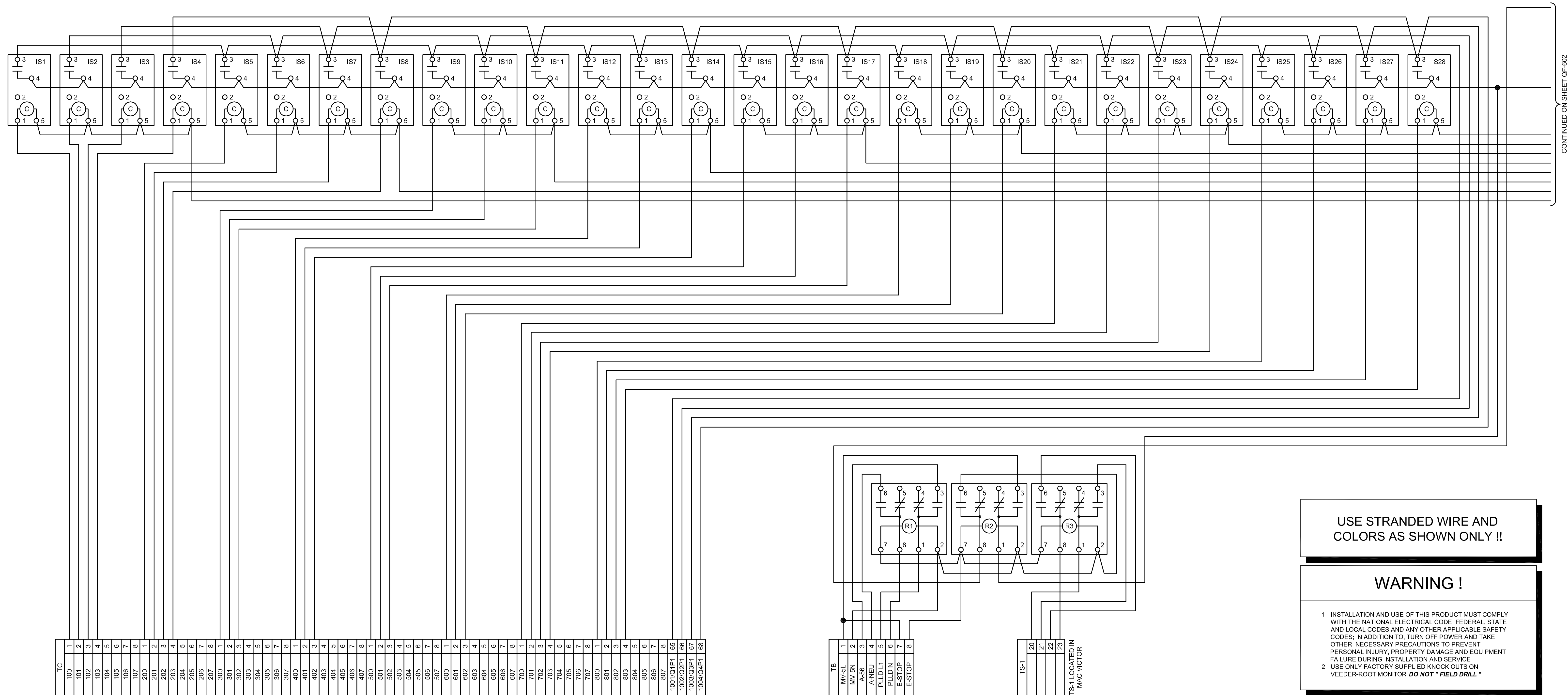
1" = 1'-0"



4 NL1 - Containment Sump Details

1" = 1'-0"

NOTE: DOUBLE WALL FLEX PRODUCT PIPING



CONTINUED ON SHEET QF-602

1 Lighting & Pump Control Panel Wiring
No Scale

General Construction Notes

- PULL TWO EXTRA WIRES TO PUMP JUNCTION BOX AS SHOWN
- ONLY FIELD WIRING CONNECTIONS ARE SHOWN IN THE JUNCTION BOXES. CAP ALL UNUSED WIRES
- INSTALL GROUND WIRE AS SHOWN
- SEPARATE BREAKER PER SUBMERSIBLE PUMP
- "NOTICE" COMMUNICATION WIRING REQUIREMENTS : ALL DATA WIRING REQUIRED TO BE 2 WIRE TWISTED PAIR (UTP) WITH 10-12 TWIST PER FOOT, SHIELDED WIRE MUST NOT BE USED. WIRING IS STANDARD ANNEALED COPPER TINNED WITH 18 AWG MINIMUM REQUIRED FOR RUNS UP TO 1000 FEET OR 14 AWG MINIMUM FOR RUNS OVER 1000 FEET TO 2800 FEET. DO NOT DAISY CHAIN COMMUNICATION WIRING. INSULATION SPEC IS 300V, PVC INSULATION, TYPE TFFN OR MTW, UL APPROVED GASOLINE AND OIL RESISTANT.

General Notes

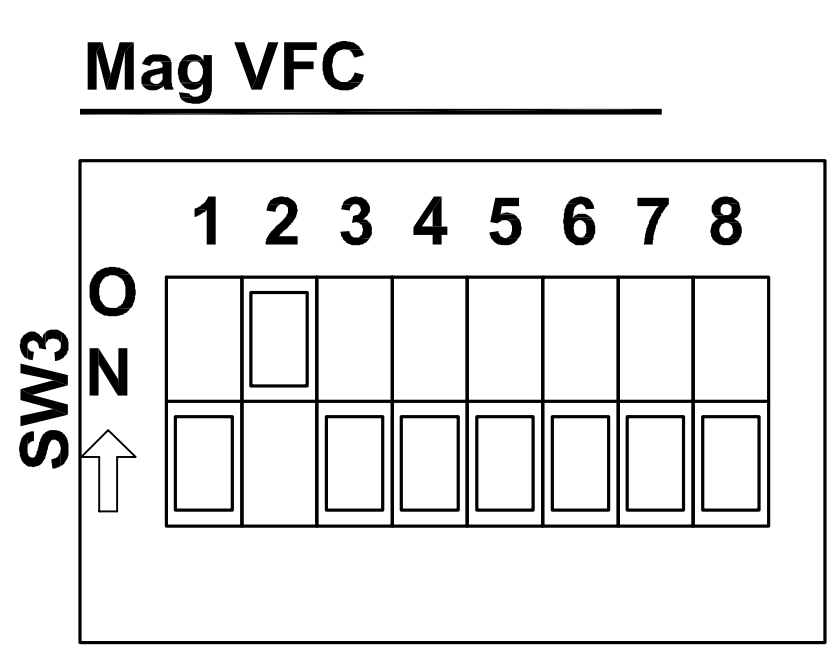
- REFER TO ALL DETAIL PAGES REFERENCED ON THIS PLAN
- FOR RELATED INFORMATION SEE THE FOLLOWING SHEETS:
C-SHEETS FOR SITE CIVIL INFORMATION
AL-SHEETS SITE LAYOUT AND LOCATION OF PUMPS / STORAGE TANKS
- E-501

Fueling Controls overview and Emergency Shutdown sequence of operation
Seneca Dispenser Panel – provides dispenser power & hook isolation protection, dispenser & submersible pump maintenance isolation switches, and emergency shutdown for all dispensers, submersible pumps, and the Veeder Root PLLD (pressurized line leak detection) power. See E-502 (3 & 3A) and Seneca shop drawings for site specific wiring terminations.
Mac Victor Power – provides battery backup and power protection for Veeder Root electronics for continuous monitoring even during power failures. Provides battery backup and power protection for Gilbarco D-box and Allied NexGen devices during normal operation and also disconnects both of these data devices during emergency shutdown events. Provides battery backup for Seneca emergency shutdown relays to prevent utility power failure disturbances from shutting down critical devices unnecessarily. See E-502 (2 & 3) for specific Mac Victor wiring terminations.
Emergency Shutdown – when Emergency Switch is activated at the front counter, the relays inside the Seneca Dispenser Panel disconnect all dispenser power, Veeder Root PLLD power, and all submersible pump power. In addition, relays inside the Seneca Dispenser Panel disconnect all power to both the Gilbarco D-box and Allied NexGen data boxes through wiring inside the Mac Victor Power box. See E-502 (3) for specific wiring terminations.

USE STRANDED WIRE AND COLORS AS SHOWN ONLY !!

WARNING !

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- USE ONLY FACTORY SUPPLIED KNOCK OUTS ON VEEDER-ROOT MONITOR **DO NOT "FIELD DRILL"**



THE DIESEL APPLICATION ALL SWITCHES ARE OFF.
THE GASOLINE APPLICATION SWITCH #2 IS ON, ALL OTHERS ARE OFF.

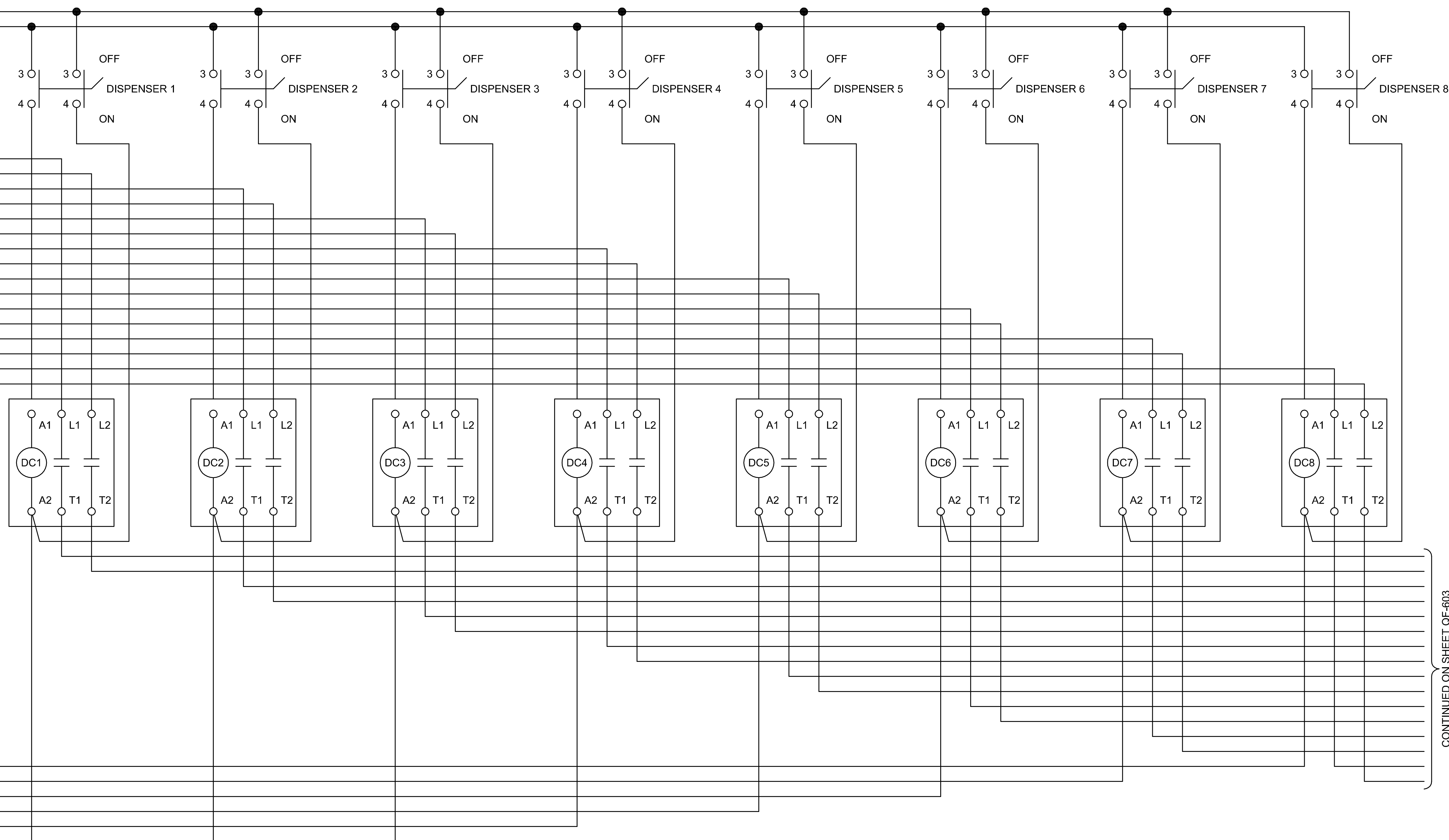
RJNGDAHL
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ph. (320) 763-9768
fax (320) 762-9063
PROJECT #C1417

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PRODUCT: "O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA) CONSTRUCTION DIVISION DESIGNED BY: JACOB CLARK	DIVISION INFORMATION: PETROLEUM SYSTEM WIRING DIAGRAM QF-601
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CONTINUED FROM SHEET QF-601

TD	
D1-L1	1
D1-L2	2
D2-L1	3
D2-L2	4
D3-L1	5
D3-L2	6
D4-L1	7
D4-L2	8
D5-L1	9
D5-L2	10
D6-L1	11
D6-L2	12
D7-L1	13
D7-L2	14
D8-L1	15
D8-L2	16



CONTINUED FROM SHEET QF-601

CONTINUED ON SHEET QF-603

1 Lighting & Pump Control Panel Wiring
No Scale

General Construction Notes

- PULL TWO EXTRA WIRES TO PUMP JUNCTION BOX AS SHOWN
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- E-501

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Fueling Controls overview and Emergency Shutdown sequence of operation

Seneca Dispenser Panel – provides dispenser power & hook isolation protection, dispenser & submersible pump maintenance isolation switches, and emergency shutdown for all dispensers, submersible pumps, and the Veeder Root PLD (pressurized line leak detection) power. See E-502 (3 & 3A) and Seneca shop drawings for site specific wiring terminations.

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One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

CONSTRUCTION DIVISION
JACOB CLARK

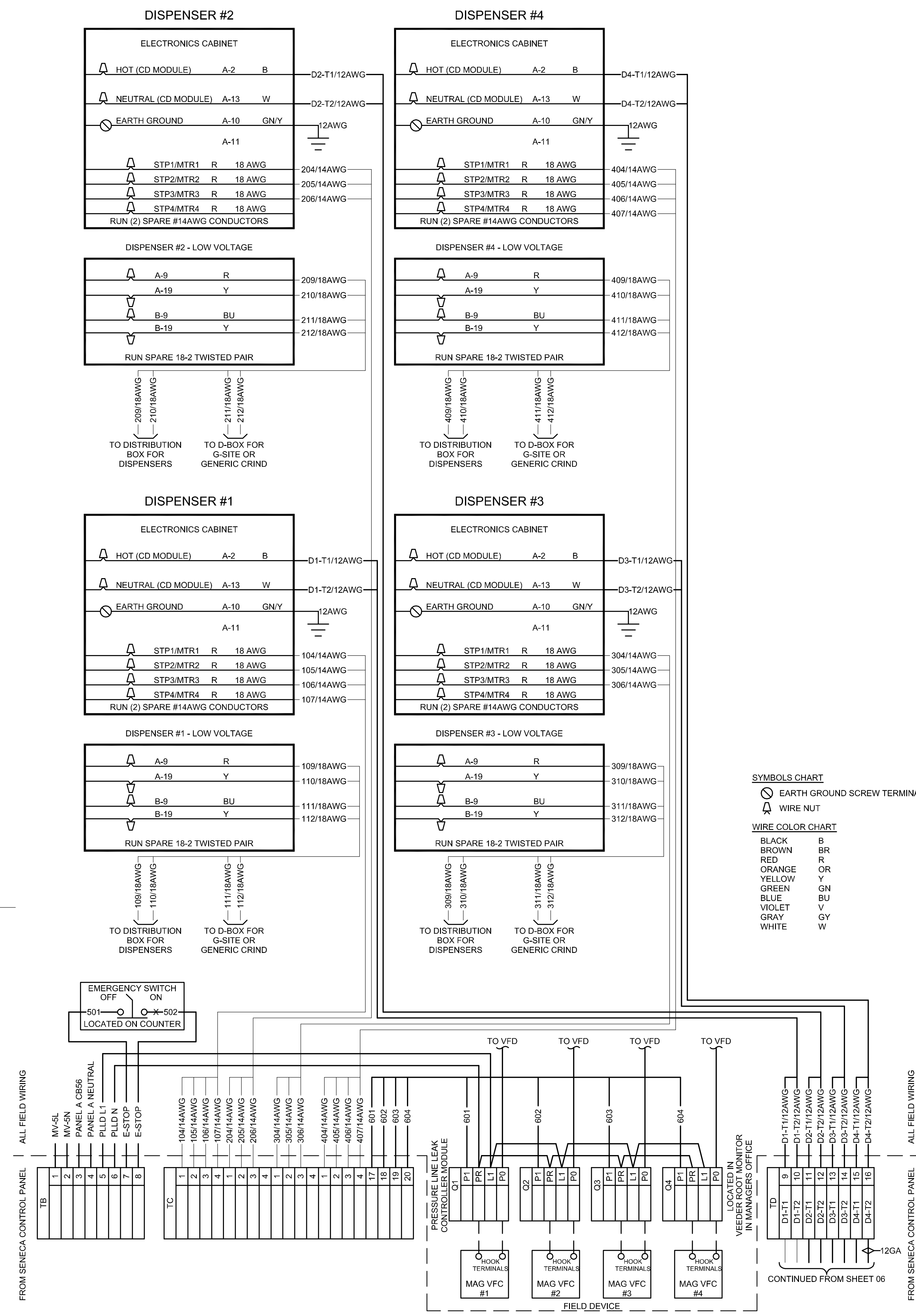
PETROLEUM SYSTEM WIRING DIAGRAM
QF-602

TOM GRUBER

1 Lighting & Pump Control Panel Wiring

No Scale

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SYMBOLS CHART

⊖ EARTH GROUND SCREW TERMINAL
 ⚡ WIRE NUT

WIRE COLOR CHART

BLACK	B
BROWN	BR
RED	R
ORANGE	OR
YELLOW	Y
GREEN	GN
BLUE	BU
VIOLET	V
GRAY	GY
WHITE	W

USE STRANDED WIRE AND COLORS AS SHOWN ONLY !!

WARNING !

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3. INSTALL GROUND WIRE AS SHOWN
4. SEPARATE BREAKER PER SUBMERSIBLE PUMP
5. "NOTICE" COMMUNICATION WIRING REQUIREMENTS : ALL DATA WIRING REQUIRED TO BE 2 WIRE TWISTED PAIR (UTP) WITH 10-12 TWIST PER FOOT. SHIELDED WIRE MUST NOT BE USED. WIRING IS STANDARD ANNEALED COPPER TINNED WITH 18 AWG MINIMUM REQUIRED FOR RUNS UP TO 1000 FEET OR 14 AWG MINIMUM FOR RUNS OVER 1000 FEET TO 2800 FEET. DO NOT DAISY CHAIN COMMUNICATION WIRING. INSULATION SPEC IS 300V, PVC INSULATION, TYPE TFFN OR MTW, UL APPROVED GASOLINE AND OIL RESISTANT.

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DRIVING INFORMATION
 CONSTRUCTION DIVISION
 JACOB CLARK

DESIGNED BY
 TOM GRUBER

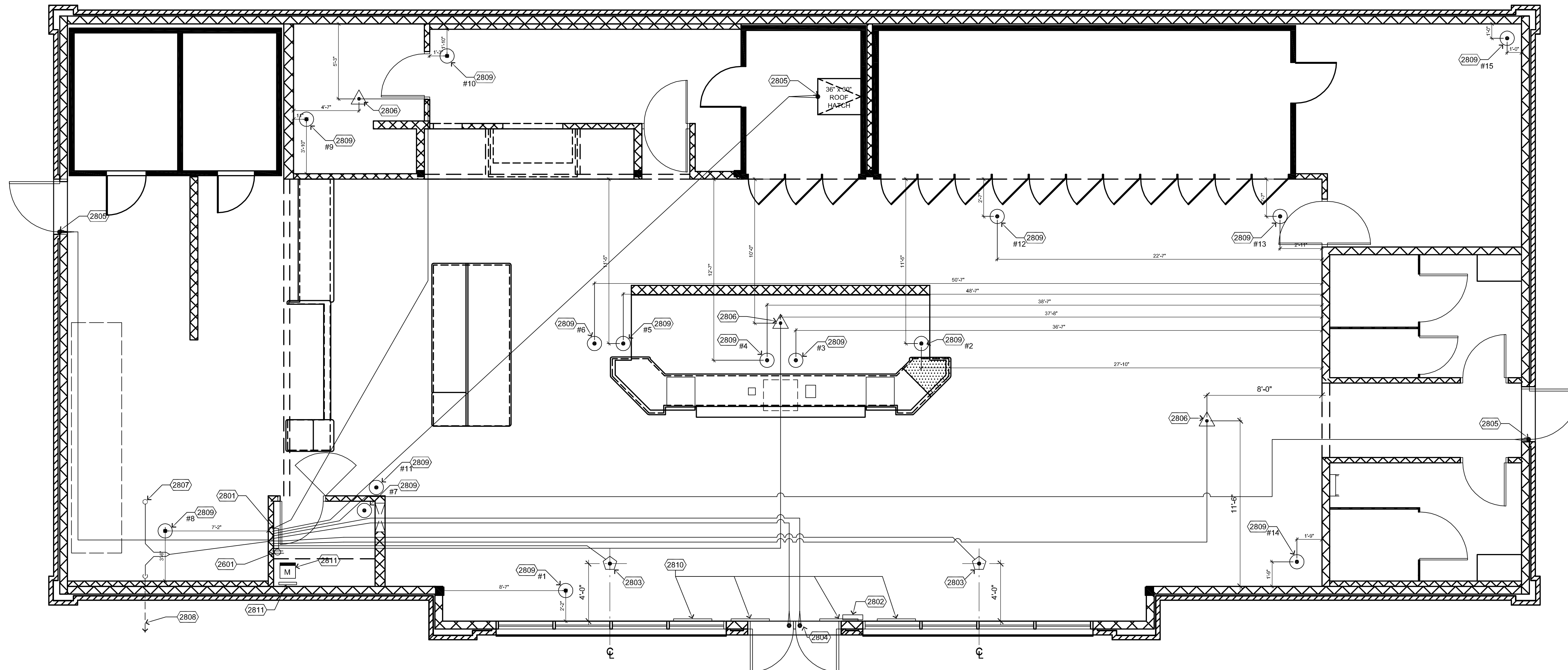
REVISIONS

DATE

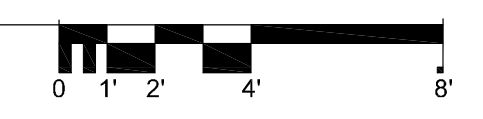
DESCRIPTION

PETROLEUM SYSTEM WIRING DIAGRAM

QF-603



Wiring Schematic Plan - Security System
 1/4" = 1'-0"



Equipment Schedule

CAMERA EQUIPMENT LIST: [SUPPLIED BY CASEY'S]
ONLY WHEN REQUIRED

DESCRIPTION:	PART No.:	QUANTITY:
DOMO COLOR CAMERA	450207	15 EACH
32" COLOR LED MONITOR-CLINTON	450216 & 450222	4 EACH
22" FLAT SCREEN & MOUNT	450217	1 EACH
16 CAMERA BATTERY BACK UP	450412	1 EACH
32" FLAT SCREEN MOUNTS		4 EACH
CONNECTOR (25) - CD-CP882	CD-CP882	1 PKG.
PEGASUS LOCK BOX - EM-SLB2	450310	1 EACH
16 DIGITAL RECORDER - SAMSUNG	450428	1 EACH
16 CHANNEL POWER SUPPLY	P3AC24-16-8L 450215	1 EACH

SECURITY EQUIPMENT LIST:

DESCRIPTION:	PART No.:	QUANTITY:
CONTACT (DOOR)	SR-1045WBR	5 EACH
VISTA 20 P KIT [12"x14.5"x3.5"]	V20ATPK-KT1	1 EACH
RJ31X PHONE JACK	DP-DC3142	1 EACH
ADVANCED ACOUSTIC GLASS SENSOR	ASC25	2 EACH
PIR MOTION DETECTOR	450353	3 EACH
KEY PAD	6150	1 EACH
A DEMCO LARGE SIREN	402500	1 EACH
A DEMCO SMALL SIREN	402501	1 EACH

General Construction Notes

- ALL WIRING TO BE 22-4 AWG STRANDED & SHIELDED, CLASS A WIRING WITH RESISTORS IN PANEL
- A DEMCO SMALL SIREN MOUNTED ON ROOF OF BUILDING AND LARGE SIREN ON CANOPY ALL OUTSIDE WORK SHOULD BE WEATHER TIGHT
- DO NOT RUN WIRE CLOSE TO LIGHTS, (MIN OF 5' AWAY)
- ALL SECURITY SYSTEM WIRING FROM DEVICE TO VISTA 20 PANEL CONSISTS OF 4-WIRE, STRANDED & SHIELDED (GREEN, WHITE, RED & BLACK)

Symbol Legend

- DOOR CONTACTOR
- DOME CAMERA
- M MONITOR 32" x 22"
- ◇ GLASS BREAK SENSOR
- △ MOTION DETECTOR

Specifications

- WIRE: 22 GAUGE, 4 CONDUCTOR, STRANDED & SHIELDED COPPER WIRE
 - PIR & GLASS BREAK SENSORS: 2-WIRES POWER 2-WIRES CONTACTS
 - DOOR CONTACTS: 4-WIRE CLASS "A" LOOP WITH RESISTORS AT THE PANEL
 - CABLE CONNECTOR: CAMBRIDGE CD-CP 882 (ONLY) USE CAMBRIDGE CRIMP TOOL CD-249960P OR EQUAL
 - CAMERAS: 2-WIRE TO POWER CAMERA FROM TRANSFORMER USE 22 GAUGE, 4 CONDUCTOR, STRANDED COPPER WIRE
 - CAMERA CABLE [REQUIRED]: GENESIS CABLE SYSTEMS RG 59/U 20 AWG CCTV PREMIUM E175106 (UL) TYPE CATV OR CL2 75C W/O #12592 FEET #146
- FOR THE REQUIRED COAX & WIRE, SEE THE FOLLOWING WIRE SPECS, ADDRESS AND PHONE NUMBER
 50011301 - RG59/U 95%BC CCTV 1M BX WHT
 22041301 - 22/4 STR OAS CMR/FT4 1M BX WHT
- 3E (515)-273-0100 OR
 GENESIS CABLE SYSTEMS LLC
 7701 95TH ST
 PLEASANT PRAIRE, WI. 53158-2716
 (414)-947-0720

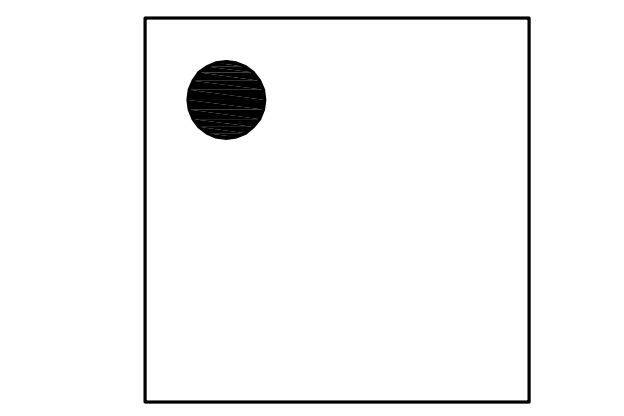
ALARM ZONE LAYOUT WITH TERMINAL #:

- ZONE #1 SMOKE/FIRE DETECTOR 8+9 (ONLY WHEN REQUIRED)
- ZONE #2 GLASS BREAK SENSORS 10+11
- ZONE #3 FRONT DOOR (ENTRANCE) 12+13
- ZONE #4 BACK DOOR (EXIT) 13+14
- ZONE #5 MOTION 15+16
- ZONE #6 16+17 BACKROOM MOTION
- ZONE #7 SIDE DOOR (EXIT) 18+19
- ZONE #8 SPARE ZONE 19+20 (OPEN-NOT BEING USED)

Keyed Construction Notes

- Division 26 - Electrical
- (2801) ALARM DUPLEX 110v. 85" 15 amp. HOT NEXT TO VISTA 20 A-32 □
- Division 28 - Electronic Safety and Security
- (2801) VISTA 20 PANEL: MOUNT IN OFFICE @ 76" AFF STUB 3/4" CONDUITS FROM PANEL THRU WALL TO ABOVE CEILING TELEPHONE WIRE REQUIRED FOR ALARM SYSTEM CONDUIT W/ #2 18 TO ROOF SECURITY HORN
 - (2802) TYP. 6128 KEYPAD INSIDE OF BLDG. @56" HEIGHT AND 10" FROM ROUGH OPENING OF DOOR
 - (2803) TYP. ASC25 GLASS BREAK SENSOR, MOUNT TO TILE. 4 WIRE, USE RED, GREEN, BLACK & WHITE
 - (2804) TYP. DOOR CONTACT, MOUNTED 4" OVER FROM CENTER JAMB 2-1/2" IN FROM DOOR GLASS & 1-1/2" IN FROM DOOR TO BLOCK ON FRAME. TWO WIRE, USE GREEN & WHITE
 - (2805) TYP. DOOR CONTACT, MOUNT FLUSH WITH INSIDE OF DOOR & HEADER FRAME. PLACE A SPACER BEHIND MAGNET. TWO WIRE, USE GREEN AND WHITE. DO NOT CUT MAGNETIC WEATHER STRIP. SEE DETAIL THIS PAGE
 - (2806) TYP. PIR MOTION DETECTOR, CEILING MOUNTED. 4 WIRE, USE RED, GREEN, BLACK & WHITE
 - (2807) ALARM HORN 10/2 MOUNTED ON TOP OF ROOF CURB. USE RED & WHITE WIRE REQUIRED. HVAC CONTRACTOR: TO INSTALL CONDUIT TO 1900 WEATHER PROOF BOX ONTO 12" EXHAUST FAN ROOF CURB. FACE BOX TOWARDS FRONT OF BLDG. ELECTRICAL CONTRACTOR: TO INSTALL AND WIRE HORN WITH 2-#18 GAUGE WIRES LOW VOLTAGE FOR ALARM HORN. WIRES ARE TO BE RED & WHITE ONLY.
 - (2808) ALARM HORN 20/2 MOUNTED ON TOP OF CANOPY USE RED & WHITE WIRE REQUIRED

- (2809) SECURITY CAMERA, MOUNTED BELOW CEILING LINE. CAMERA NUMBER AS NOTED. OUTSIDE CAMERAS ARE OPTIONAL, COORDINATE WITH OWNERS. (CONTRACTOR TO MOUNT 4"x4" BRACKET)
- (2810) 19" LCD MONITOR. (GENERAL CONTRACTOR TO MOUNT BRACKETS)
- (2811) CAMERA SYSTEM LOCATED IN MANAGER OFFICE DVR, 16 CHANNEL NUVICO-RECORDER CAMERA #1 TO PORT #1; CAMERA 2 TO PORT #2 AND 22" MONITOR MOUNTED ON WALL. DVR LOCATED ON MIDDLE SHELF IN MANAGERS OFFICE. BOTH CAMERA CABLES NEED TO HAVE 5 FEET EXTENSION.
- (2812) TYP. DOOR CONTACT, MOUNTED ON OPPOSITE SIDE FROM HINGE. TWO WIRE, USE GREEN & WHITE



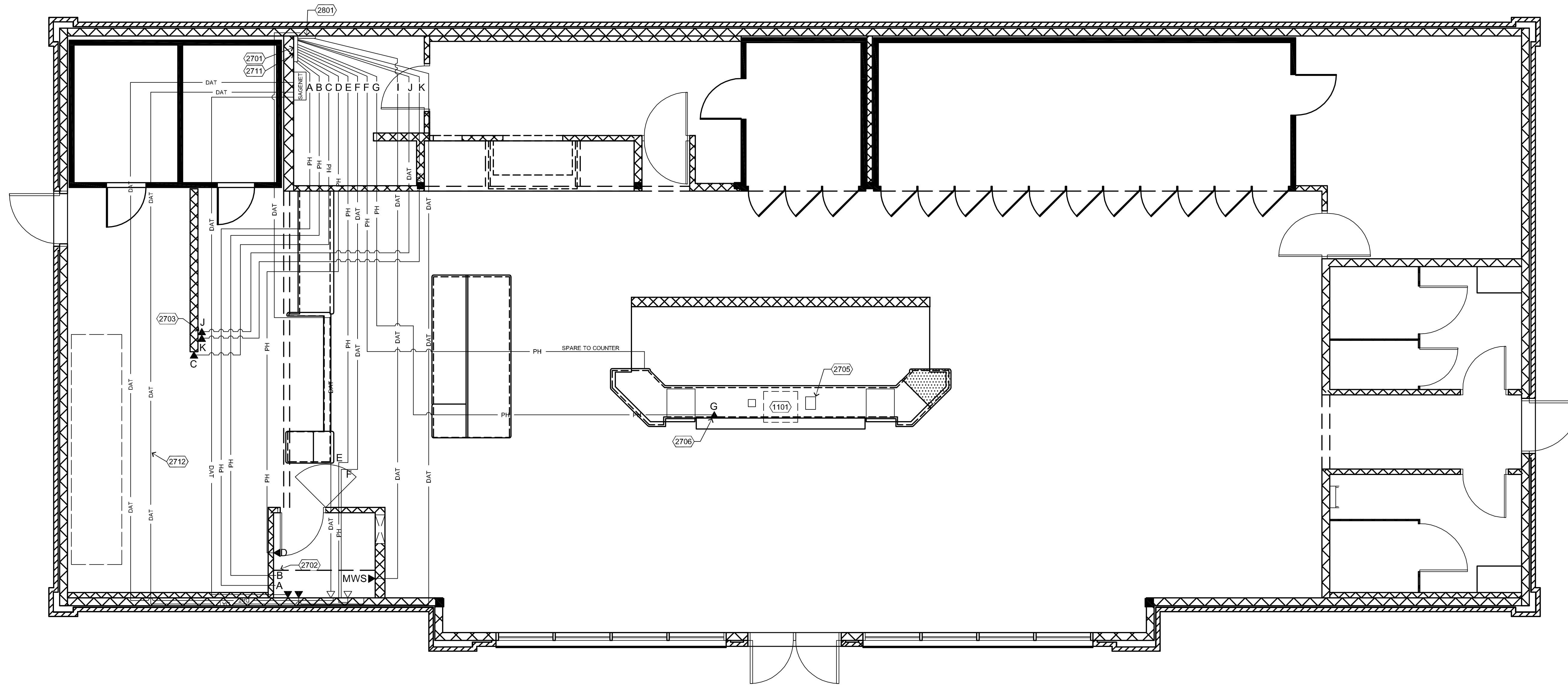
NOTE:
 *ELECTRICAL CONTRACTOR TO RUN ALL POWER AND VIDEO WIRING
 *ELECTRICAL CONTRACTOR TO TERMINATE ALL POWER WIRING AND ALL ALARM DEVICES.
 *ELECTRICAL CONTRACTOR INSTALLS ALL CAMERAS.
 *CASEY'S WILL TERMINATE ALL VIDEO COAXIAL WIRING.

RJNGDAHL
 Architects, Inc.
 510 22nd Ave. East, Suite 100
 Alexandria, MN 56308
 ph. (320) 763-9268
 fax. (320) 762-9063
 PROJECT #C1417

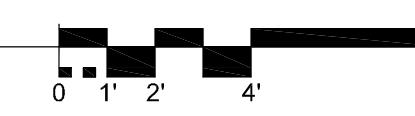
CASEY'S Construction Division
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT:	DESIGNED BY:	DRAWN BY:
"O2" STYLE STORE FLAT ROOF (RAMSEY MINNESOTA)	TOM GRUBER	JACOB CLARK

CONSTRUCTION DIVISION
 SECURITY WIRING SCHEMATIC
T-101



Wiring Schematic Plan - Phone/Data
 1/4" = 1'-0"



SAGENET TO PULL WIRES FOR THE FOLLOWING:

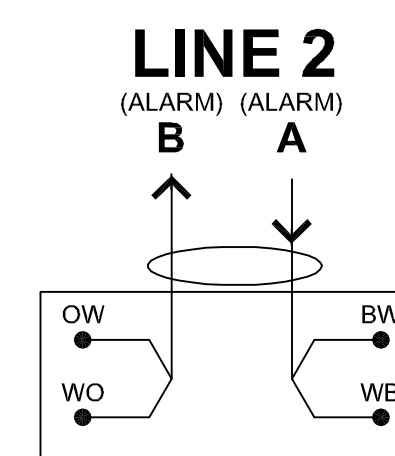
- *REGISTER #1
- *REGISTER #2
- *ATM
- *TO SECURITY VISTA PANEL(ETHERNET ONLY)
- *DIGITAL SIGNAGE (OPTIONAL BY STORE)
- *NEXGEN (ETHERNET ONLY)
- *DVR

Keyed Construction Notes

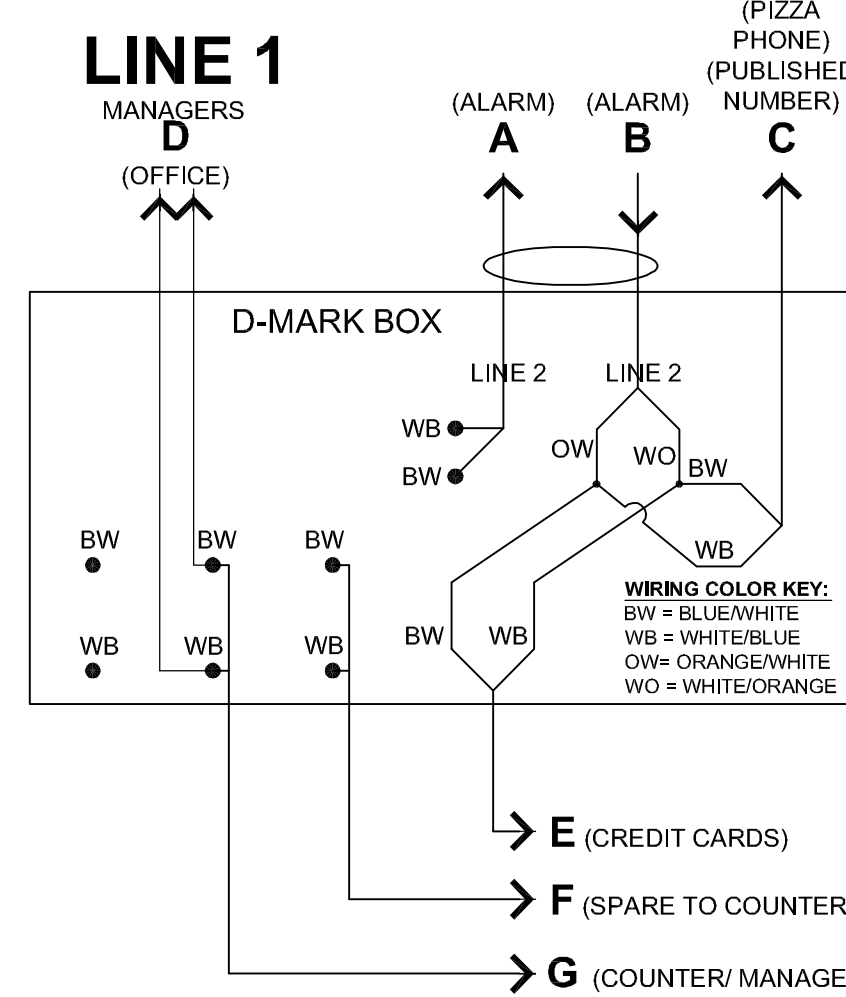
- Division 11 - Specialties**
- 1101 UNDERCOUNTER SAFE
- Division 27- Communications**
- 2701 D-MARK BOX MOUNTED TO WALL IN BACKROOM, DISTRIBUTION WIRING AS SHOWN; SEE TERMINAL DIAGRAM THIS SHEET 1/T-102
 - 2702 VISTA 20 PANEL, WIRE AS SHOWN; SEE TERMINAL DIAGRAM THIS SHEET 1/T-102
 - 2703 PIZZA DELIVERY STATION: MOUNT PHONE JACK @ 60" AFF. SECOND & THIRD JACKS FOR CREDIT CARD & CORDLESS PHONE. CAT 5e WIRE. SEE SHEETS E-101 & AQ-401.
 - 2705 CREDIT CARD MACHINE: PULL WIRE THRU PVC CONDUIT BENEATH SLAB FROM D-MARK
 - 2706 LOTTO MACHINE: SERVICE SET UP BY LOCAL PHONE COMPANY. COORDINATE
 - 2707 CAT-5 CABLE FROM NEXGEN CHANNEL 1 TO MANAGER'S WORKSPACE (MWS)

Keyed Construction Notes

- Division 28 - Electronic Safety and Security**
- 2801 COORDINATE SERVICE ENTRANCE UNDERGROUND INSTALLATION.



VISTA 20 PANEL
 RJ31X JACK
 (LOCATED IN
 MANAGERS OFFICE)



Phone Line Notes

- # OF PHONE LINE PER STORE:**
- STORES NOT OFFERING PIZZA DELIVERY - 2 LINES
 - STORES OFFERING PIZZA DELIVERY - 4 LINES
- LINE 1 - MANAGER'S OFFICE TO D-MARK**
- LINE 2 - PIZZA CARRYOUT NUMBER. LOCATED ON END OF KITCHEN DIVIDER WALL. LOCATE @ 60" A.F.F. IN STORES WITH DELIVERY. SECURITY BACK UP ALSO-DMARK TO VISTA PANEL + RETURN TO DMARK FOR HYPERCOM, EBT, TO FRONT OF COUNTER.**
- LINE 3 - PIZZA WALL JACK (HUNTLINE NUMBER) DELIVERY ONLY FROM DMARK.**
- LINE 4 - CREDIT @ PIZZA CABINET; HYPERCOM, EBT FRONT COUNTER DELIVERY STORES ONLY (DUAL JACK) FROM DMARK.**

RJNGDAHL
 310 22nd Ave. East, Suite 100
 Alexandria, MN 56308
 ph. (320) 763-9688
 fax. (320) 762-9063
 PROJECT #C1417

1 Terminal Wiring Diagrams
 Diagram - Not To Scale

CASEY'S CONSTRUCTION DIVISION
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: "O2" STYLE STORE
 FLAT ROOF
 (RAMSEY MINNESOTA)

DESIGNED BY: JACOB CLARK
 CHECKED BY: TOM GRUBER

REVISIONS:

COMMUNICATIONS WIRING SCHEMATIC & DETAILS

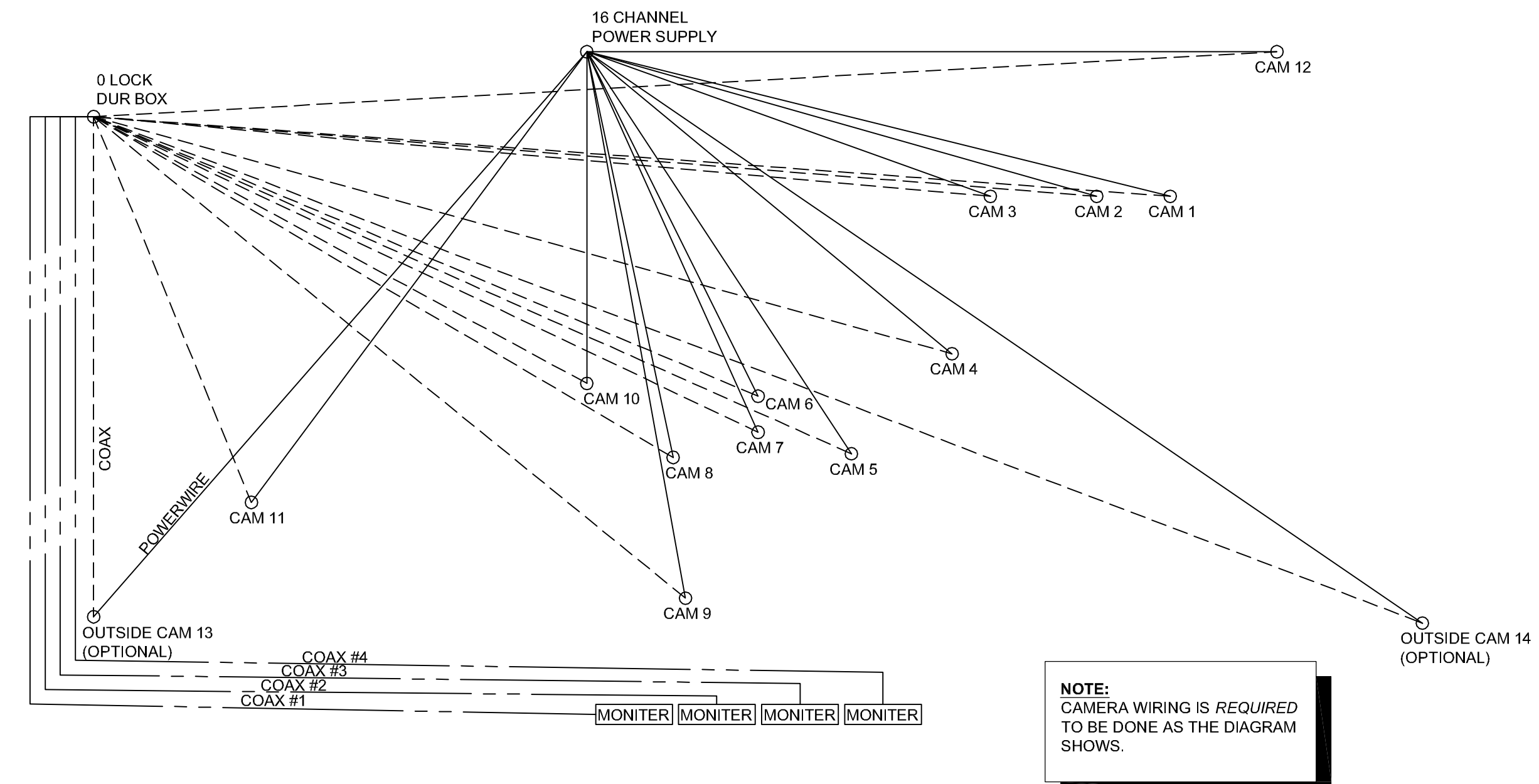
T-102

General Construction Notes

- USE 4300 TRANSFORMER INTERFACE IN PLACE OF 1321 WHEN POWER LINE CARRIER DEVICES ARE BEING USED (SEE INSTRUCTIONS FOR CONNECTIONS)
- USE 22 GAUGE WIRE (STRANDED & SHIELDED) WITH THESE COLORS BELOW
REQUIRED
USE GREEN WIRE FOR LOW
USE WHITE WIRE FOR HI
USE RED WIRE HOT WIRE WHEN NEEDED
USE BLACK WIRE FOR GROUND
- MAXIMUM LOOP RESISTANCE: (EACH ZONE) 300 OHMS
(PLUS EOLR) RESPONSE, ZONES 1-8: 10, 350, OR 700 MSEC (PROGRAMMABLE)
- THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.
- COMPLIES WITH FCC RULES, PART 68, FCC REGISTRATION NO. AC398U-68192-AL-E RINGER EQUIVALENCE: 0.7B.
- FOR COMPLETE INFORMATION SEE INSTRUCTIONS N7526V4
- THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 74 (NATIONAL FIRE PROTECTION ASSOC., BATTERY MARCH PARK, QUINCY, MA 02269). PRINTED INFORMATION DESCRIBING PROPER INSTALLATION, OPERATION, TESTING, MAINTENANCE, EVACUATION PLANNING AND REPAIR SERVICE IS TO BE PROVIDED WITH THIS EQUIPMENT.
- GROUND PANEL ONLY
DO NOT USE GROUND WIRES FOR DEVICES IN PANEL

General Video Notes:

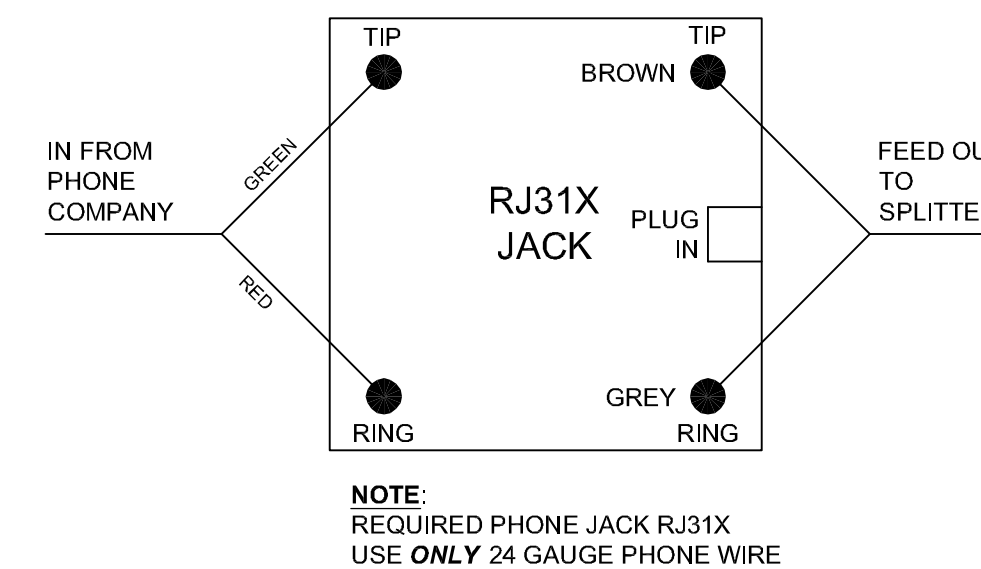
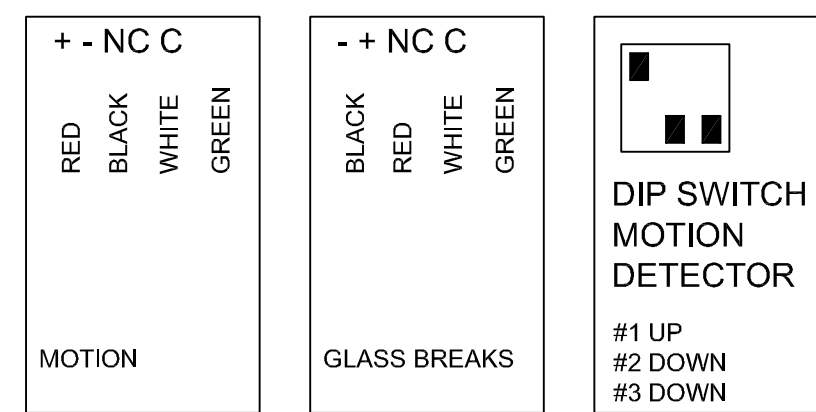
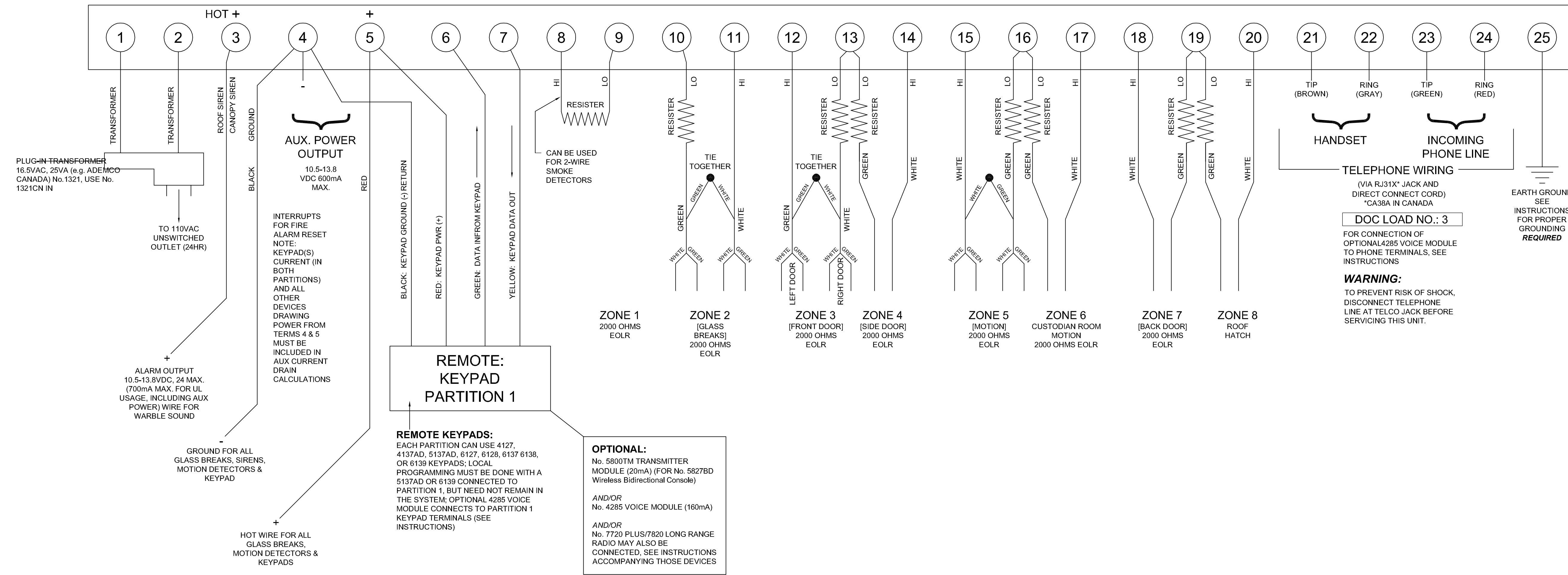
- RESISTERS ARE TO BE LOCATED IN VISTA PANEL **REQUIRED**
- ALL WIRE IN OFFICE RUNS INTO VCR BOX EQUIPMENT LOCATION:
4-32" MONITORS SHOW ROOM
22" MONITOR DESKTOP IN MANAGERS OFFICE
DVR ON MIDDLE SHELF
- WIRE CAMERAS WITH RED AND BLACK ONLY, **DO NOT TIE WIRES TOGETHER!**



2 Video Wiring Schematic

Diagram - Not To Scale

NOTE: USE UL LISTED LIMITED ENERGY CABLE FOR ALL CONNECTIONS



1 Security Wiring Schematic and Details

Diagram - Not To Scale

RJNGDAHL
510 22nd Ave. East, Suite 100
Alexandria, MN 56308
ph. (320) 763-9688
fax (320) 762-9063
PROJECT #C1417


CASEY'S General Store
CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

SECURITY WIRING SCHEMATIC & DETAILS
T-601

CASEY'S GENERAL STORE

SUNWOOD DRIVE & RAMSEY BOULEVARD

RAMSEY, MN

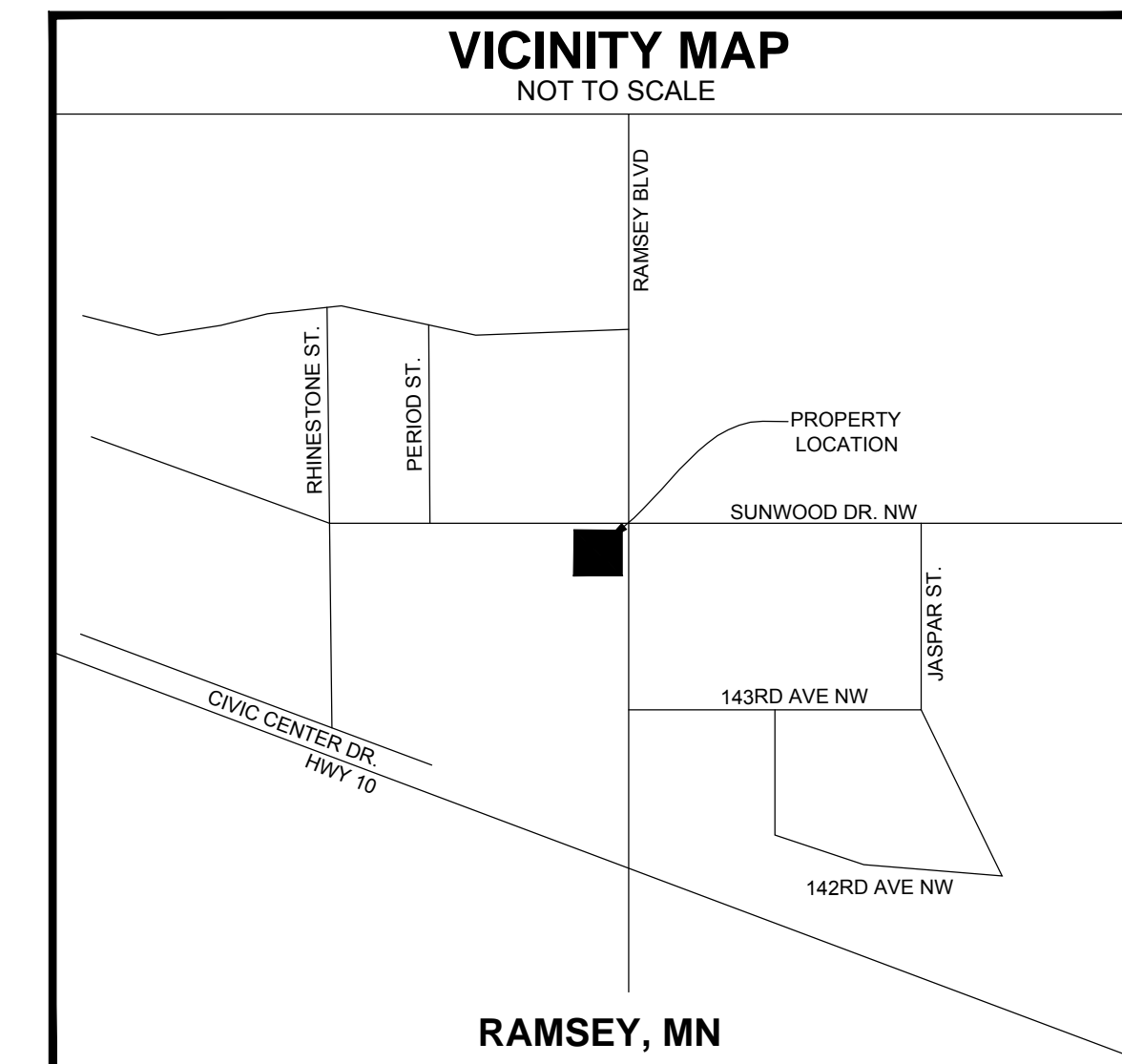


2510 Broadway Street South
Alexandria, MN 56308
(320) 762-1200 (Phone)
(320) 762-8054 (Fax)

3339 W. St. Germain St., Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Jeremy E. Anderson
JEREMY E. ANDERSON
DATE: 12-03-14 LICENSE #: 44223



OWNER INFORMATION

CASEY'S RETAIL COMPANY
ONE CONVENIENCE BLVD.
ANKENY, IOWA 50021

CONTACT:
KATIE DEROUCHÉY
(515) 963-3829

INDEX OF SHEETS:

C0.0	COVER SHEET	12-03-14
	ALTA/ ACSM LAND TITLE SURVEY	08-08-14
AL-101	SITE PLAN	10-28-14
C1.0	DETAILS	12-03-14
C1.1	EROSION CONTROL DETAILS	12-03-14
C1.2	STORMTECH DETAILS	12-03-14
C2.0	GRADING PLAN	12-03-14
C3.0	UTILITY PLAN	12-03-14
C4.0	EROSION CONTROL PLAN	12-03-14

GENERAL NOTES:

- ALTA/ACSM LAND TITLE SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, TOPOGRAPHY WITH SPOT ELEVATIONS AND PHYSICAL FEATURES WAS PROVIDED BY:

DESIGN TREE ENGINEERING & LAND SURVEYING
120 17TH AVE. W.
ALEXANDRIA, MN 56308

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT

BENCHMARK INFORMATION:

BENCHMARK #1: USE RIM OF SANITARY MANHOLE AT THE INTERSECTION OF RAMSEY BOULEVARD AND SUNWOOD DRIVE. ELEV: 867.20

BENCHMARK #2: USE TOP NUT OF HYDRANT LOCATED APPROX. 108 FEET SOUTH OF SUBJECT PROPERTY ALONG WEST SIDE OF RAMSEY BOULEVARD. ELEV: 871.61

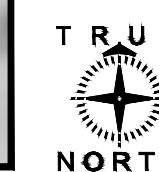



EXISTING LEGAL DESCRIPTION:

The north 221.00 feet of the east 270.00 feet of OUTLOT GG, RAMSEY TOWN CENTER ADDITION, according to the recorded plat thereof, Anoka County, Minnesota, except that part lying northeasterly of the following described line: Beginning at a point on the northerly line of said OUTLOT GG, distant 25.00 feet westerly from the northeast corner of said OUTLOT GG as measured along said northerly line; thence southeasterly to a point on the easterly line of said OUTLOT GG, distant 25.00 feet southerly from said northeast corner as measured along said easterly line, said line there terminating.

PROPOSED LEGAL DESCRIPTION:

Lot 1, Block 1, CASEY'S ADDITION, according to the recorded plat thereof, Anoka County, Minnesota.



		
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100		
PROJECT:	DATE:	DRAWING INFORMATION:
RAMSEY, MN #2	12-03-14	COVER SHEET
"O2" STYLE STORE - FLAT ROOF	REVISION:	
CONSTRUCTION DIVISION		
DRAWN BY: RJK	CHECKED BY: JEA	C0.0

General Construction Notes

- 2 - 20,000 GALLON CONTAINMENT SOLUTION TANKS (ONE TANK IS SPLIT)
TANK 1-20,000 GALLONS (87E - UNLEADED) 10'-6"x37'-5.5"
TANK 2-12,000 GALLONS (D - DIESEL) 10'-6"x23'-8"
TANK 3-8,000 GALLONS (91E - PREMIUM) 10'-6"x14'-6"
- 8 DISPENSERS: GILBARCO 700 S WITH BLENDERS
4=NN1 4 METERS & 2 NOZZLES EACH
4=NL1 6 METERS & 4 NOZZLES EACH
- TANK SETTING DETAILS SHEET QF-301
- FILL PIPE AND MANHOLE SHEET QF-301
- ISLAND SIZE: 3' X 5' W/DUAL GUARD PIPE
ISLAND DETAILS SHEET QF-101
- SIGN BASE DETAILS SHEET AL-601
- SIGN DETAILS SHEET AL-601
- DRIVEWAY JOINTS TO BE PACKED & CAULKED
- CONCRETE DRIVE TROWELED WITH LIGHT BROOM FINISH
- CONTROL JOINTS - MIN. 100 sq.ft. - MAX. 125 sq.ft. - 25% DEEP
- CONSTRUCTION JOINTS - PINNED 4" O.C. 12" EACH WAY WITH 1/2" REBAR #4
- APPROACHES TO BE 7" NONREINFORCED OR AS PER STATE/CITY SPEC.
- SLOPE RAMPS FOR BUILDING SIDEWALK 1:20 H.C PARKING 1:50 ALL DIRECTIONS ALL ACCESS ISLE STRIPING AT 45 DEGREE ANGLE BEING MAX. 4' SEPARATION
- VERIFY ALL UTILITY LOCATIONS AND DIMENSIONS.
- SLOPE RAMPS FOR BUILDING SIDEWALK 1:20 H.C PARKING 1:50 ALL DIRECTIONS
- CANOPY FOOTING: SIZE 5'-9" LENGTH X 5'-9" WIDTH X 3'-0" DEPTH. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF FC-3000 p.s.i. @ 28 DAYS (150 p.c.f.) 4" SLUMP (MAX). FOOTING DESIGN BASED ON 2,500 p.s.i. CONCRETE REINFORCING: ASTM A-615 GRADE 60, REBAR CAGE: (8) #6 HORIZONTAL TIES LENGTH WISE TOP AND BOTTOM 12" MAXIMUM SPACING.
- 3 FUEL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF THE EMERGENCY SHUT-OFF SWITCH LOCATED AT SALES COUNTER
- ALL FUEL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF THE EMERGENCY SHUT-OFF SWITCH LOCATED ON A POST AT THE CURB
- IRRIGATION SYSTEM INSTALLATION REQUIRED FOR ALL SOD/SEED WITHIN PROPERTY.

Site Information

CASEY'S RETAIL COMPANY
ONE CONVENIENCE BLVD.
ANKENY, IOWA 50021

CONTACT:
KATIE DEROUCHÉY (515) 963-3829

Zoned: C-2

HIGHWAY COMMERCIAL

SETBACKS:
FRONT YARD: 0 FEET
SIDE YARD: 0 FEET
REAR YARD: 0 FEET

PARKING REQUIRED:
2 SPACES PER 1,000 FT²
4,346 / 1,000 = 4.346
9 SPACES REQUIRED

PROVIDED:
19 MARKED SPACES
16 UNMARKED @ GASOLINE CANOPY
35 SPACES PROVIDED

Keyed Construction Notes

NOTICE: ALL WORK IN/ON THE R.O.W. AREA IS SUBJECT TO THE CITY OF RAMSEY AND ANOKA COUNTY APPROVAL AND SPECIFICATIONS.

- (A) PROPOSED 20' RADIUS
- (B) PROPOSED 15' RADIUS
- (C) PROPOSED 10' RADIUS
- (D) 2% MAX CROSS SLOPE - SIDEWALK AREA
- (E) TAPER CURB TO SIDEWALK - NO DETECTABLE WARNING MAT AT DRIVEWAYS
- (F) DEPRESSED CURB AND GUTTER
- (G) TIE INTO EXISTING VERTICAL CURB AND GUTTER (TO BE COMPLETED BY OTHERS)

Contact Info.

CITY OF RAMSEY
7550 SUNWOOD DR. NW
RAMSEY, MN 55303
PH: 763-427-1410
COMMUNITY DEVELOPMENT DIRECTOR: TIM GLADHILL
COMMUNITY DEVELOPMENT ASSISTANT: JOANN SHAW

CITY OF RAMSEY (WATER, STORM WATER AND SANITARY SEWER)
CONTACT NAME:
CONTACT PHONE: 763-576-4343

CENTER POINT ENERGY (NATURAL GAS)
CONTACT PHONE: 800-778-9140
CONTACT WEBSITE: WWW.CENTERPOINTENERGY.COM

CONNEXUS (ELECTRIC)
CONTACT PHONE: 763-323-4216

CENTURYLINK (TELEPHONE)
CONTACT PHONE: 800-283-423 7

Utility Notes

- PROPOSED 2" WATER CONNECTION
- INTO EXISTING WATER MAIN
- 2" CTS, HDPE, SDR9, C5-200 PSI
- VERIFY EXISTING MAIN ≥ 2"
- PROPOSED 1.5" NATURAL GAS CONNECTION
- INTO EXISTING NATURAL GAS MAIN
- 1.5" SCH 40 BLACK IRON PIPE
- 680 MBH, 7" W.C. HOUSE PRESSURE
- VERIFY EXISTING MAIN ≥ 2"
- PROPOSED 6" SANITARY SEWER CONNECTION
- INTO EXISTING SANITARY SEWER MAIN
- 6" SCH 40 PVC
- VERIFY EXISTING MAIN ≥ 6"
- PROPOSED SERVICE ENTRANCE
- ELECTRICAL 3 PHASE, 800 AMP
- 120/208 VOLTS - 4 WIRE
- TELEPHONE: 8 PAIR - 4 LINES

Legal Description

459,358FT² ± 1.36 ACRES

OUTLOT GG, RAMSEY TOWN CENTER ADDITION, EXCEPT THAT PART DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID OUTLOT GG; THENCE ON AN ASSUMED BEARING OF SOUTH, ALONG THE WESTERLY LINE OF SAID OUTLOT GG FOR 597.55 FEET TO A POINT OF CURVATURE IN SAID WESTERLY LINE; THENCE SOUTHERLY ALONG SAID WESTERLY LINE ALONG A TANGENTIAL CURVE CONCAVE TO THE WEST, RADIUS 540 FEET AND A CENTRAL ANGLE 03 DEGREES 49 MINUTES 27 SECONDS WEST ALONG SAID WESTERLY LINE FOR 87.95 FEET TO THE MOST SOUTHERLY CORNER IN SAID WESTERLY LINE; THENCE SOUTH 66 DEGREES 10 MINUTES 33 SECONDS EAST ALONG THE SOUTHWESTERLY LINE OF SAID OUTLOT GG; THENCE ON A BEARING OF WEST ALONG SAID NORTHERLY LINE FOR 596.32 FEET TO THE POINT OF BEGINNING.

U.G.S.T. Notes

- ☐ FILL CATCH BASIN W/ OVERSPILL PROTECTION (TYP.)
- ①②③ TURBINE ENCLOSURE TYP. CONTAINS: SUB-PUMP W/LINE DETECTION, TANK PROBE FOR FUEL MONITORING, INCLUDING THE INTERSTITIAL SENSOR AND TANK SUMP SENSOR
- ☐ VENT EXTRACTOR W/BALL FLOAT FOR OVERFILL PROTECTION
- ☐ SUMP SENSOR @ EACH DISPENSER.

Referenced Sheets

CIVIL PLANS BY DESIGN TREE ENGINEERING
**TO BE COMPLETED

LIGHTING PLANS BY RED LEONARD ASSOCIATES
**TO BE COMPLETED

Legend

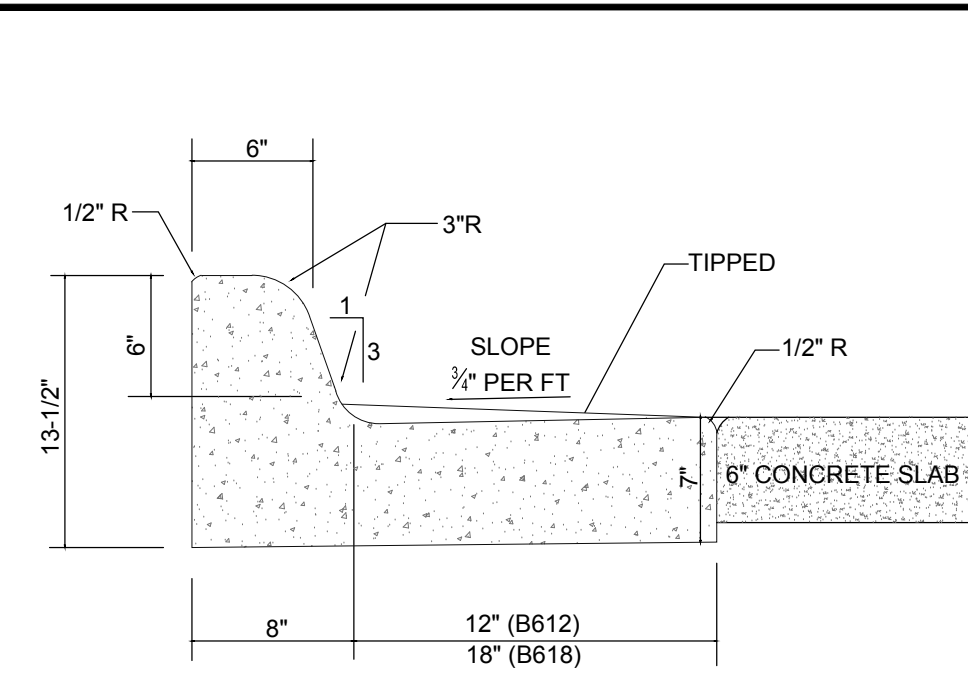
— — — — — PROPERTY LINE
- - - - - ADJOINING PROPERTY LINE
- - - - - BUILDING SETBACK LINE
- - - - - EASEMENT LINE

Survey Legend

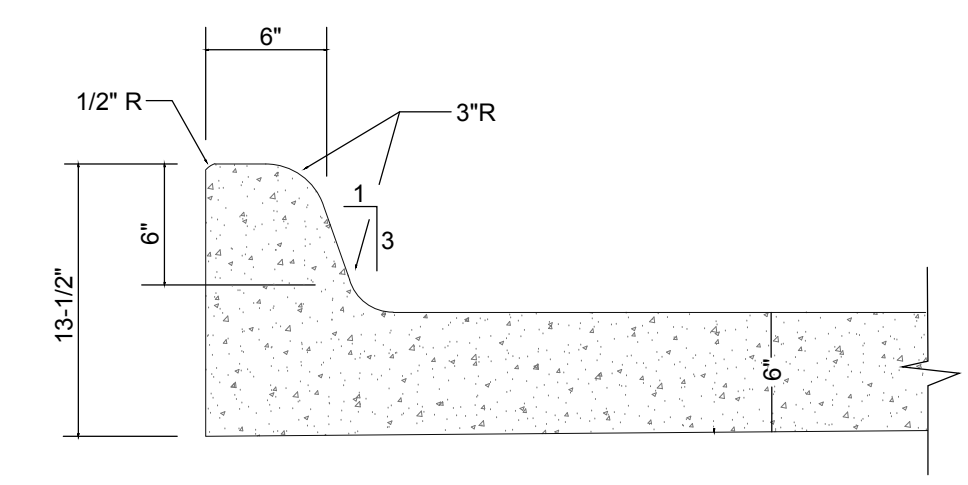
- ⊗ GATE VALVE
- ⊕ HYDRANT
- ⊙ LIGHT POLE
- ⊖ TRANSFORMER
- ⊘ PEDESTAL
- ⊙ ELECTRIC MANHOLE
- ⊖ FIBER HANDHOLE
- ⊙ SANITARY MANHOLE
- ⊖ STORM MANHOLE
- ⊖ STORM INTAKE

ALL BRICK (NO EIFS) - 4 SIDES

CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100		
PROJECT:	DATE:	DRAWING INFORMATION:
RAMSEY, MN #2	09-12-14	SITE PLAN
REVISIONS:	10-28-14	
*O2" STYLE STORE - FLAT ROOF		
CONSTRUCTION DIVISION		
DESIGNED BY: JACOB CLARK	CHECKED BY:	
		AL-101

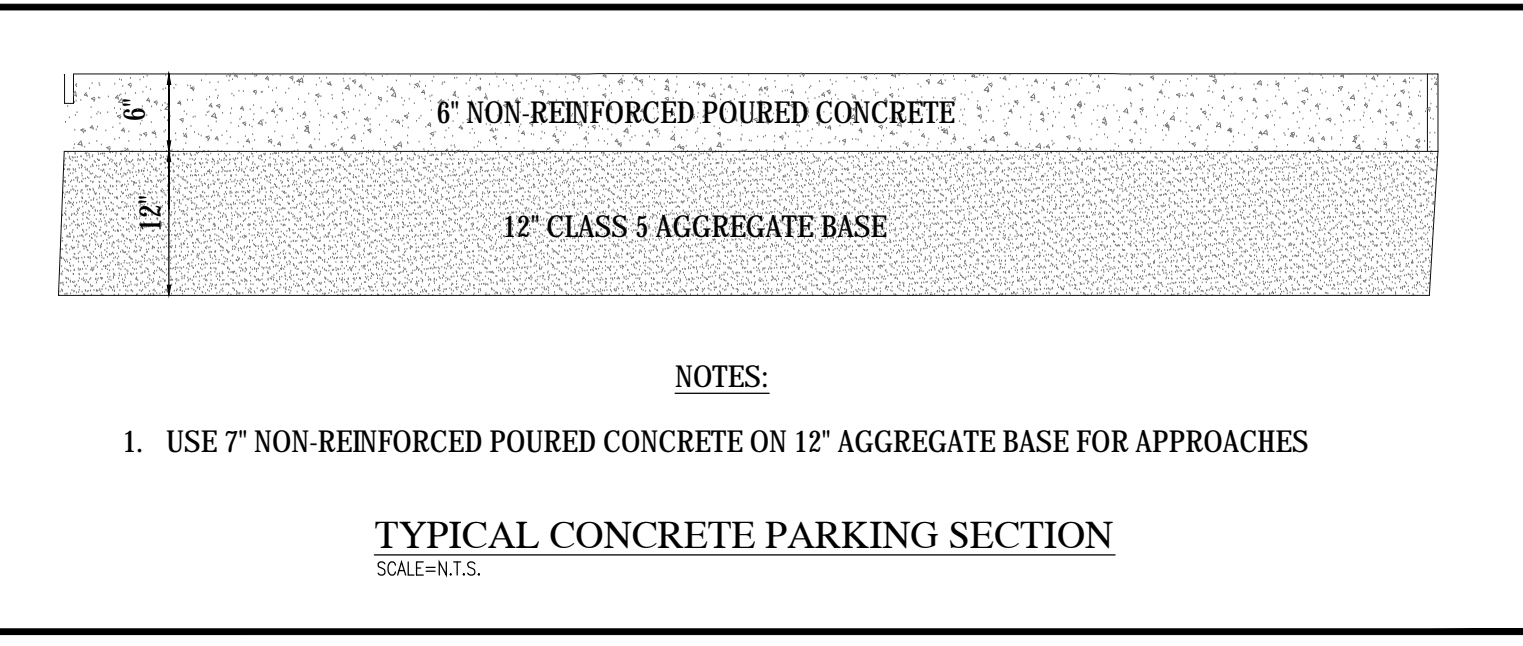


B612 AND B618 CURB AND GUTTER

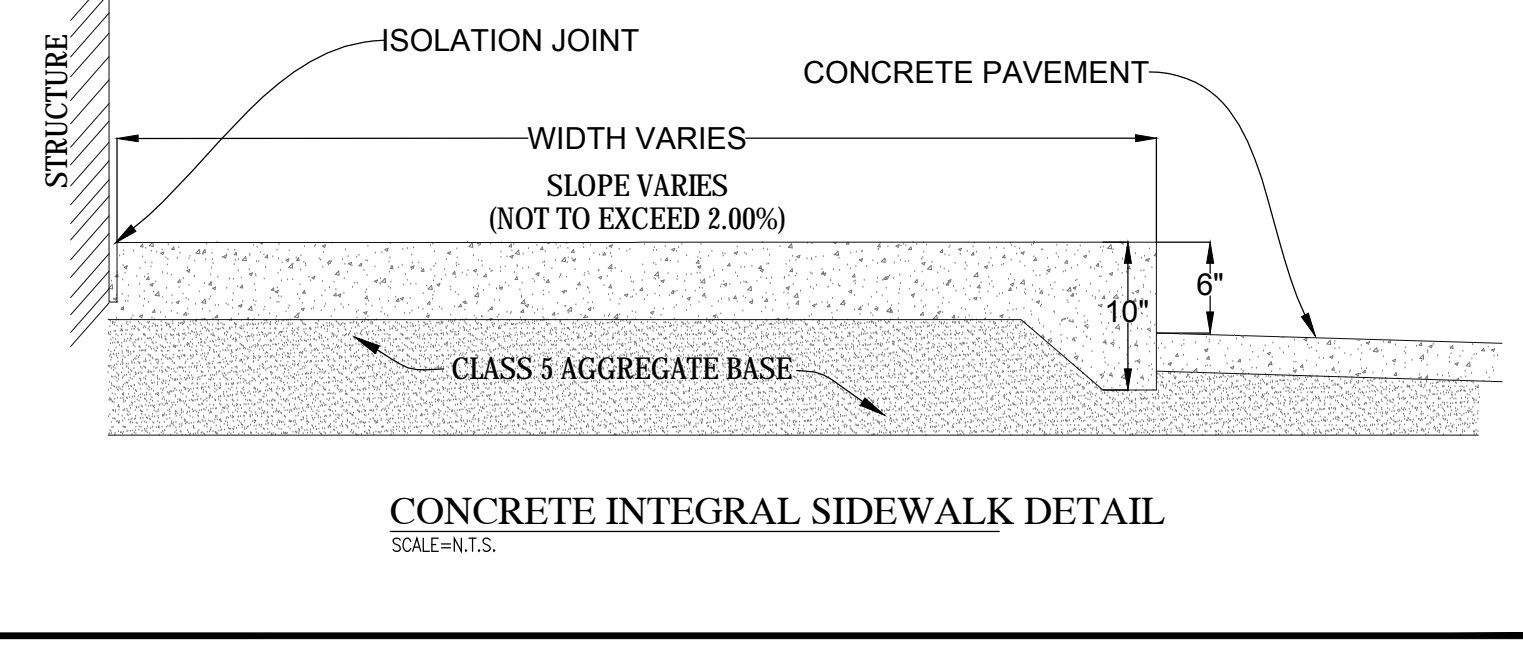


MONOLITHIC CURB SECTION

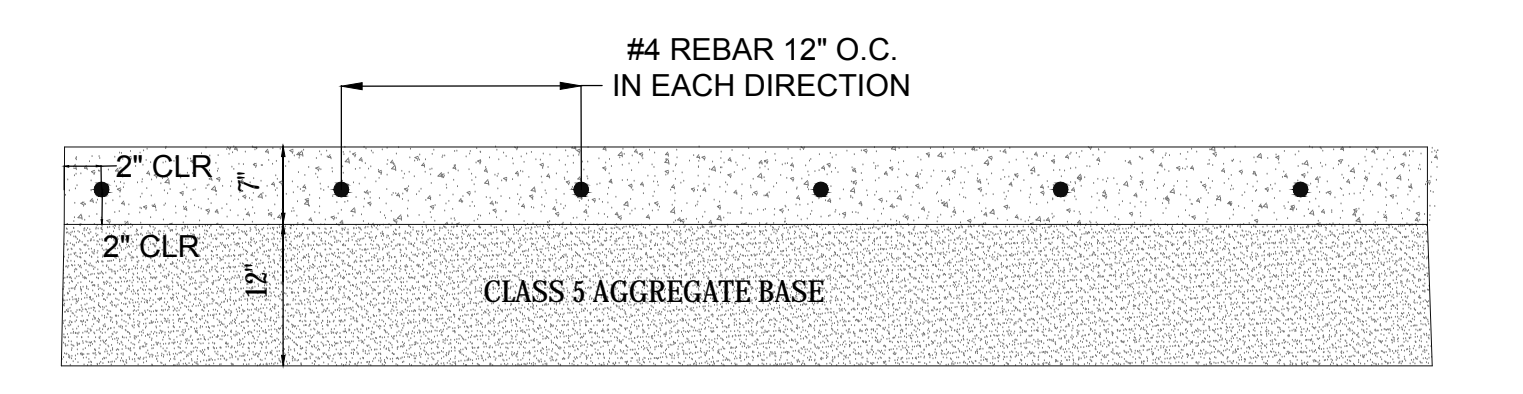
CONCRETE CURB DETAILS
SCALE=N.T.S.



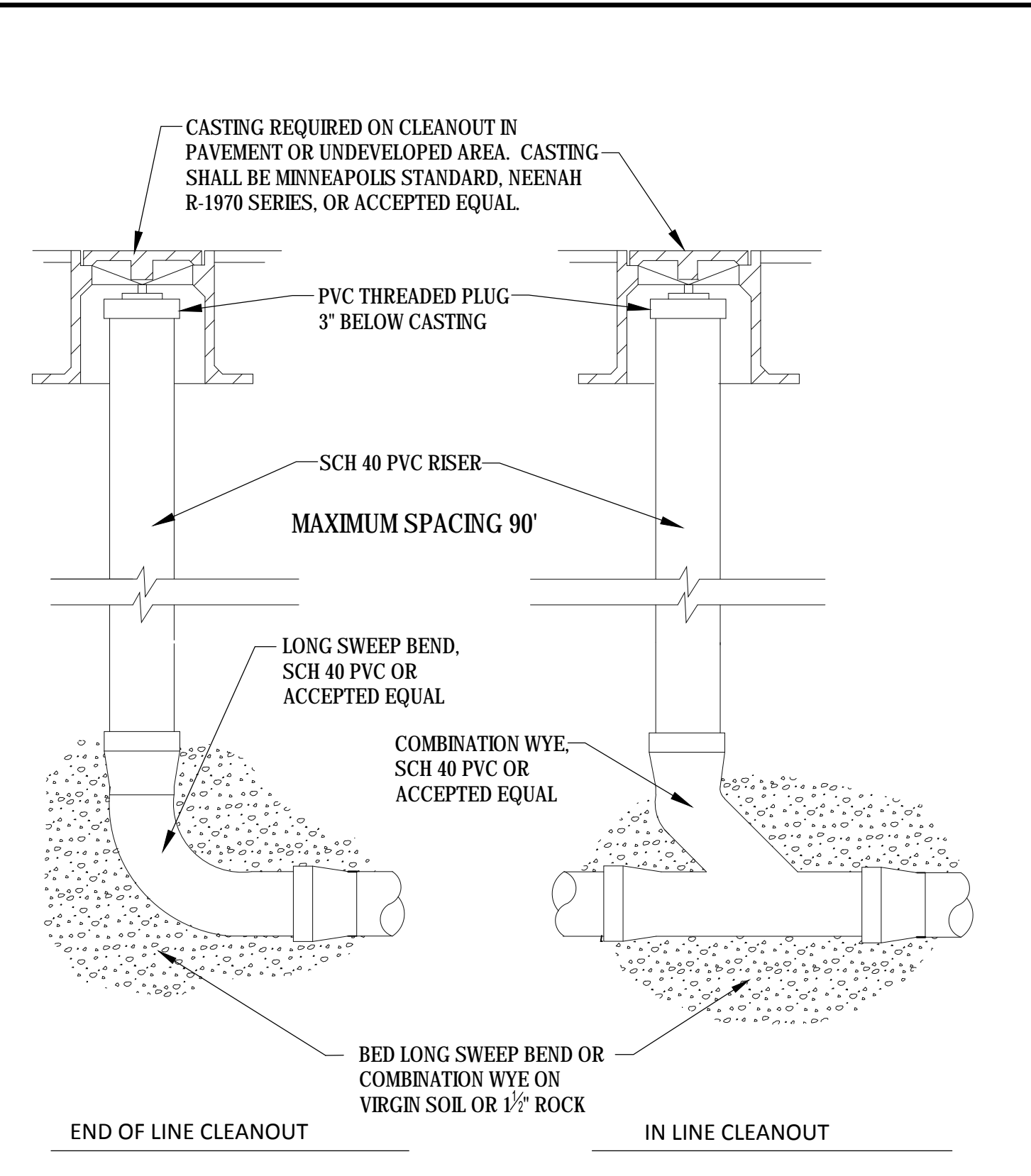
TYPICAL CONCRETE PARKING SECTION
SCALE=N.T.S.



CONCRETE INTEGRAL SIDEWALK DETAIL
SCALE=N.T.S.



TYPICAL CONCRETE SECTION OVER U.G.S.T. AREAS
SCALE=N.T.S.



CLEANOUT CASING
SCALE=N.T.S.

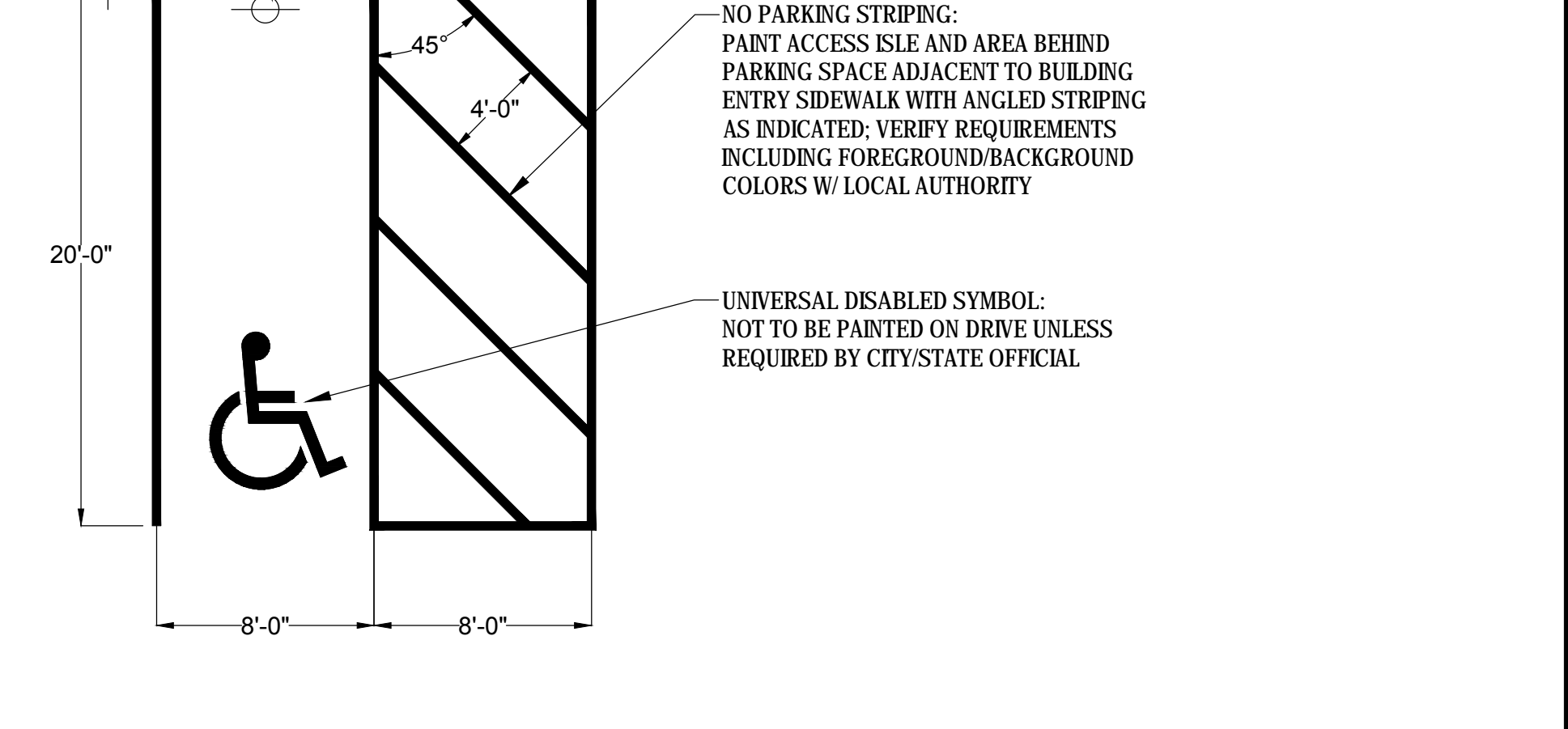
Design Tree
ENGINEERING AND LAND SURVEYING

2510 Broadway Street South
Alexandria, MN 56208
(320) 762-1200 (Phone)
(320) 762-8094 (Fax)

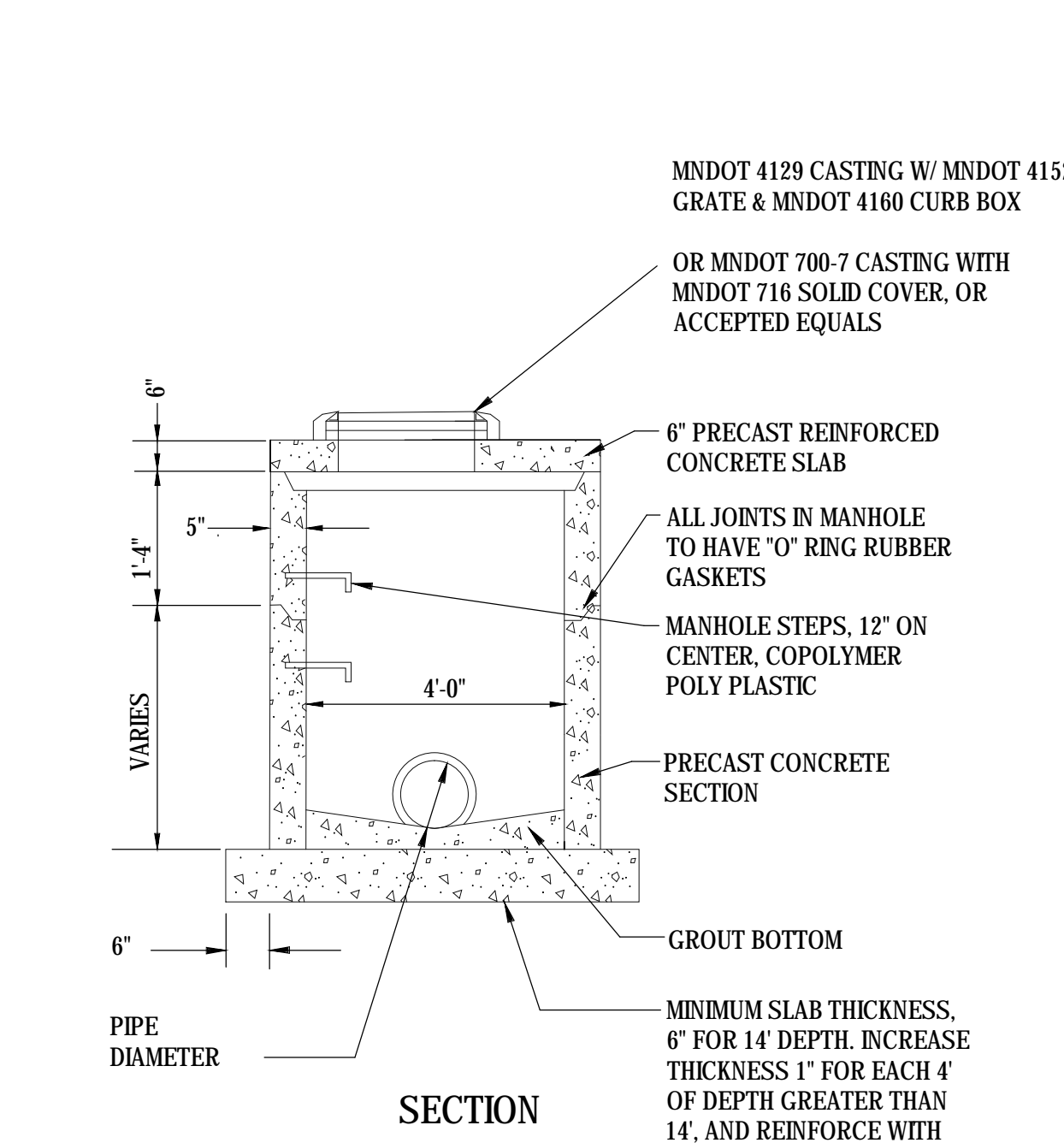
3339 W. St. Germain St., Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Jeremy E. Anderson
JEREMY E. ANDERSON
DATE: 12-03-14 LICENSE #: 44223



DISABLED PARKING LAYOUT
SCALE=N.T.S.



MNDOT 4129 CASTING W/ MNDOT 4152 GRATE & MNDOT 4160 CURB BOX
OR MNDOT 700-7 CASTING WITH MNDOT 716 SOLID COVER, OR ACCEPTED EQUALS

6" PRECAST REINFORCED CONCRETE SLAB

ALL JOINTS IN MANHOLE TO HAVE "O" RING RUBBER GASKETS

MANHOLE STEPS, 12" ON CENTER, COPOLYMER POLY PLASTIC

PRECAST CONCRETE SECTION

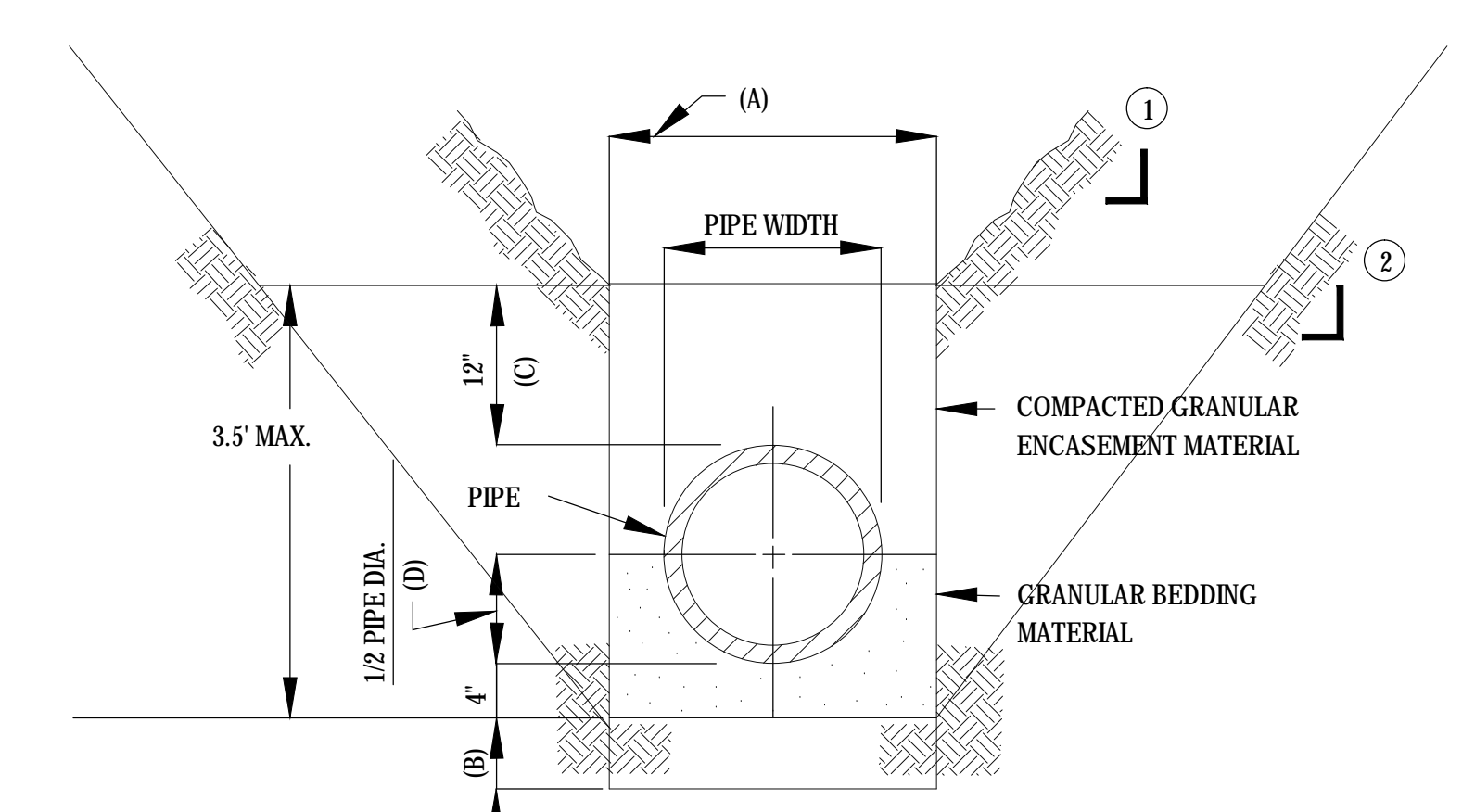
GROUT BOTTOM

MINIMUM SLAB THICKNESS, 6" FOR 14" DEPTH. INCREASE THICKNESS 1" FOR EACH 4" OF DEPTH GREATER THAN 14", AND REINFORCE WITH 6"x6" 10/10 MESH

NOTE: DRAIN TILE OPENING MUST BE CORE-DRILLED AND GROUTED INSIDE AND OUTSIDE

NOTE:
1. USE METAL SHIMS ONLY AT ADJUSTING RINGS WHEN LEVELING.
2. ALL PIPE CONNECTIONS SHALL HAVE MANHOLE SLEEVES OR WATERSTOP FOR WATERTIGHT CONNECTIONS.

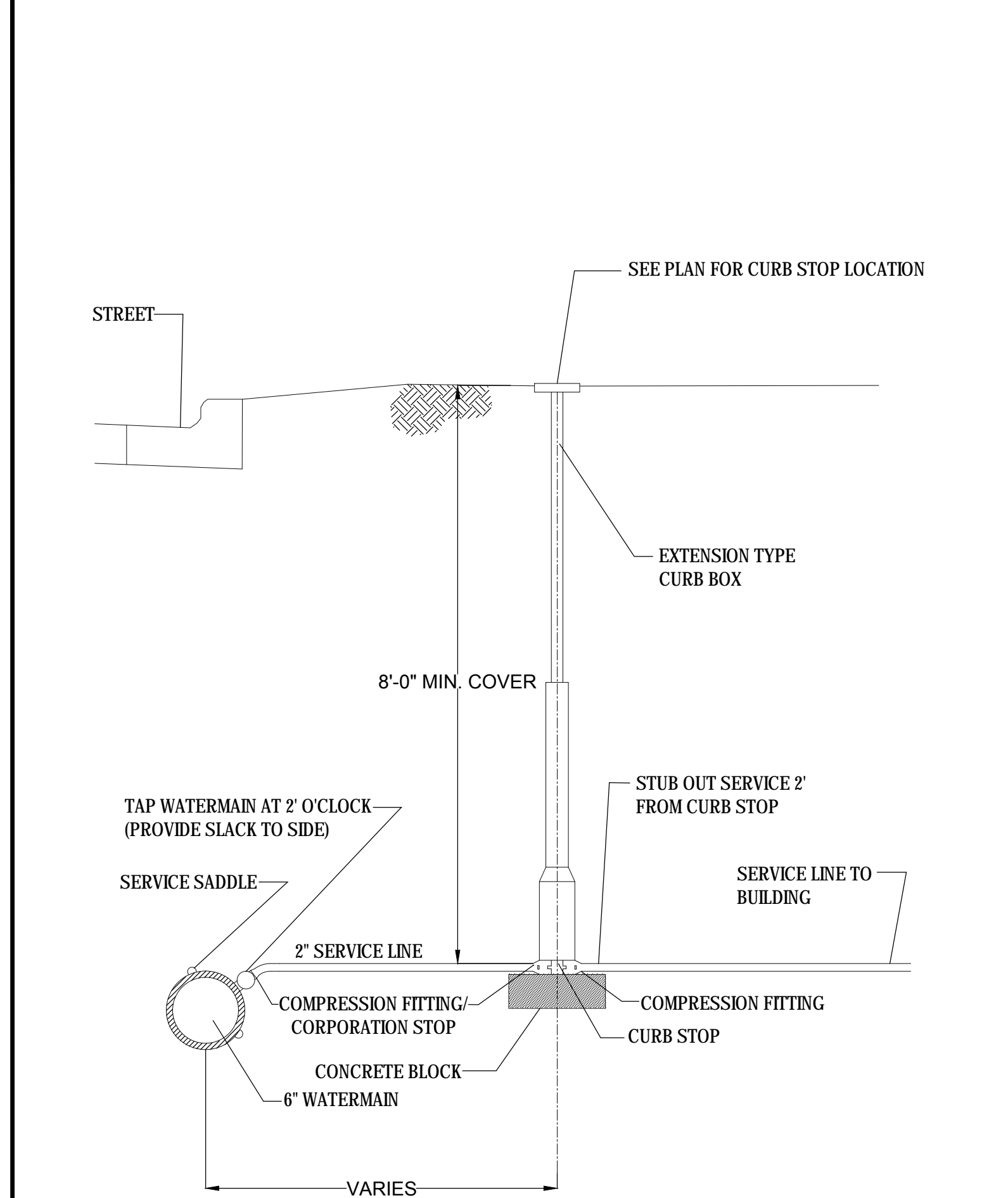
STANDARD MNDOT STORM MANHOLE/ CATCH BASIN 48-4020
SCALE=N.T.S.



- ① 0-12' DEPTH TRENCH
SLOPE DEPENDS ON SOIL TYPE.
 - ② 12'-20' DEPTH TRENCH
SLOPE DEPENDS ON SOIL TYPE.
 - ③ 0-20' DEPTH TRENCH
SUPPORT OR SHIELD SYSTEM CAN BE UTILIZED TO REDUCE TRENCH WIDTH.
 - ④ 20' OR GREATER DEPTH TRENCH
EXCAVATION MUST BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. CONTRACTOR SHALL HAVE THE DESIGN COMPLETED AT HIS EXPENSE AND PROVIDE A COPY TO THE OWNER AND THE PROJECT ENGINEER (WSN).
- (A) MINIMUM TRENCH WIDTH SHALL ALLOW FOR SIX INCHES CLEARANCE ON EACH SIDE OF PIPE JOINT HUB.
- (B) THE TRENCH MAY BE OVEREXCAVATED A MIN. OF 6" & BACKFILLED WITH COMPACTED GRANULAR MATERIALS WHEN ROCK, INCOMPRESSIBLE MATERIALS, OR UNSTABLE SOILS ARE ENCOUNTERED.
- (C) COMPACTED GRANULAR ENCASEMENT MATERIAL SHALL COVER THE TOP OF PIPE BY AT LEAST 12" AND EXTEND THE FULL WIDTH OF THE TRENCH OR AT LEAST 2 1/2 TIMES THE PIPE DIAMETER ON EACH SIDE OF THE PIPE.
- (D) BEDDING AND HAUNCHING MATERIAL SHALL BE PLACED AND COMPACTED TO PROVIDE FULL SUPPORT FOR THE LENGTH OF THE PIPE.

NOTE: THIS DETAIL APPLIES TO SANITARY SEWER, STORM SEWER, WATERMAIN, AND ALL SERVICE PIPE.

TYPICAL PIPE BEDDING DETAIL
SCALE=N.T.S.



TYPICAL WATER SERVICE DETAIL
SCALE=N.T.S.

CASEY'S General Store

CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: RAMSEY, MN #2

DATE: 12-03-14

PROVISION: DETAILS

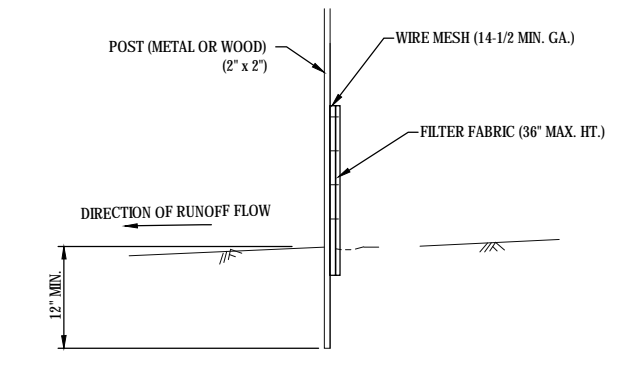
DRAWING INFORMATION: "O2" STYLE STORE - FLAT ROOF

CONSTRUCTION DIVISION

DESIGNED BY: RJK

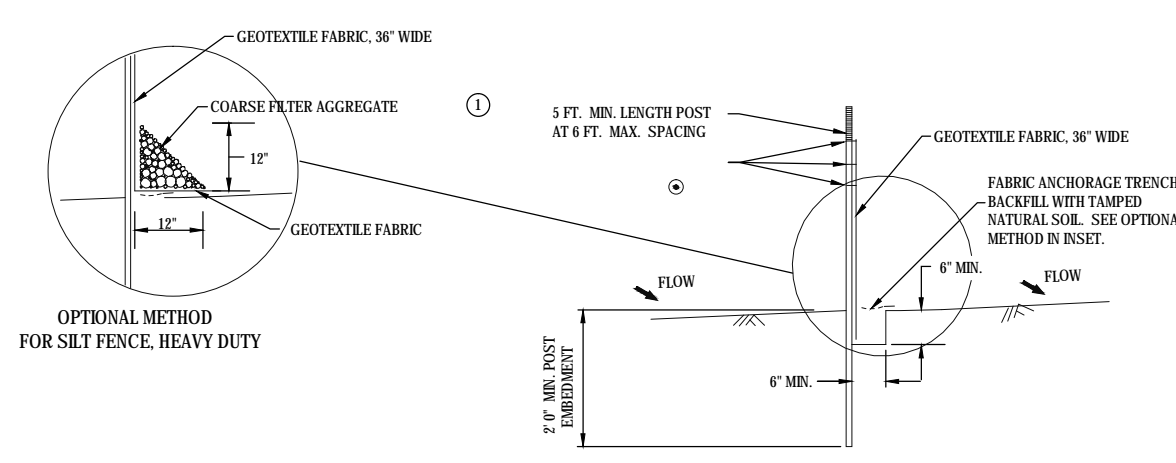
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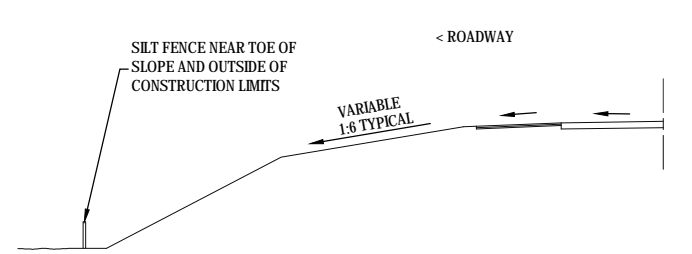
- NOTES:**
1. TYPE OF FENCING TO BE USED SHALL COMPLY WITH MNDOT 308.1 UNLESS INDICATED OTHERWISE ON PLANS.
 2. DIG A 6" x 6" TRENCH ALONG THE INTENDED FENCE LINE.
 3. DRIVE ALL POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF TRENCH.
 4. WIRE FENCING PER MNDOT SPEC. 308.6. WIRE MESH MUST BE A MINIMUM OF 12" INTO THE GROUND AND NO MORE THAN 12" ABOVE THE ORIGINAL GROUND SURFACE.
 5. FILTER FABRIC PER MNDOT SPEC. 308.6. FABRIC APPEARING OPENING SIZE (AOS) SHALL BE 80 TO 90 IN AREAS OF COARSE GRADED SOILS, AND 50 TO 60 IN AREAS OF FINE GRADED SOILS.
 6. LAY OUT SILT FENCE ON THE UPHILL SIDE ALONG THE FENCE LINE, AND BACK FILL.
 7. WOOD POSTS MAY BE SPACED UP TO 4 FEET APART IF WIRE MESH IS NOT USED TO SUPPORT THE FABRIC. IF WIRE MESH IS USED TO SUPPORT THE FABRIC, STEEL POSTS MAY BE SPACED UP TO 8 FEET APART.

SILT FENCE DETAIL

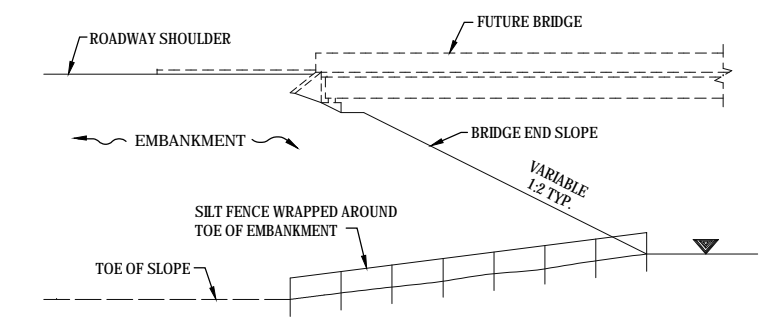


OPTIONAL METHOD FOR SILT FENCE, HEAVY DUTY

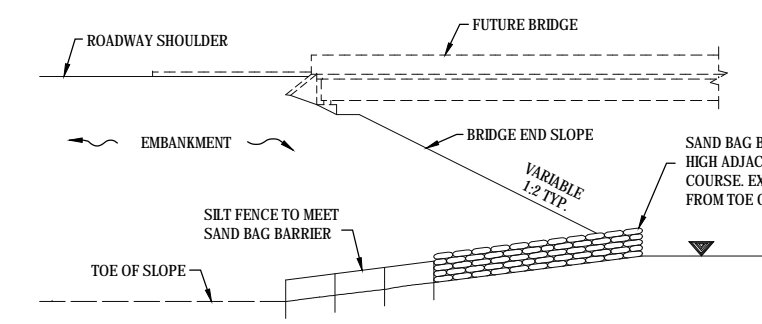
SILT FENCE, HEAVY DUTY (HAND INSTALLED)
DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



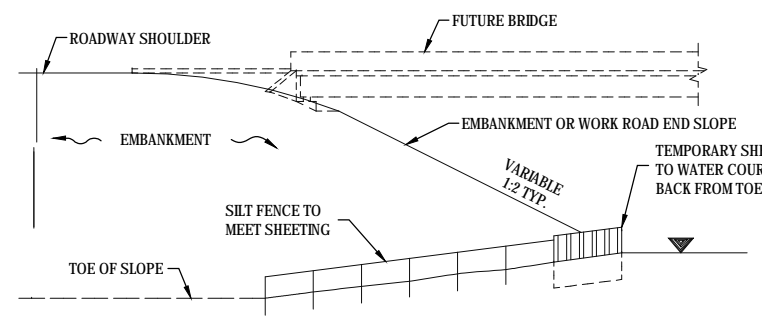
LOCATION OF SILT FENCE AT TOE OF ROADWAY EMBANKMENT



DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: STAGNANT
CONTRIBUTING SLOPE AREA: 17 ACRES

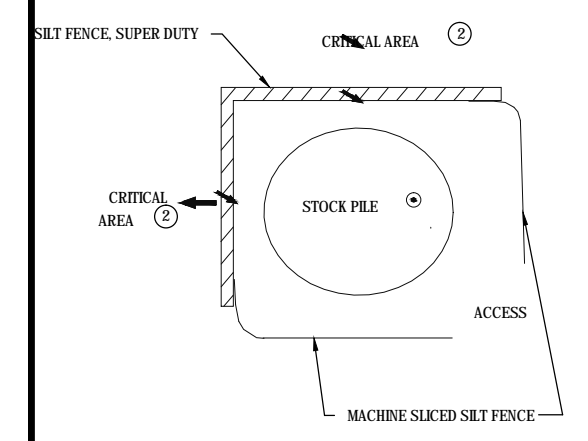


DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: 1 TO 1.5 FT./SEC.
CONTRIBUTING SLOPE AREA: 1 ACRE

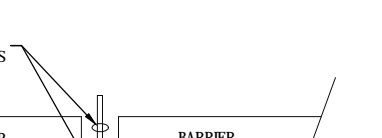


DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: 8 TO 11 FT./SEC.
CONTRIBUTING SLOPE AREA: 3 ACRES

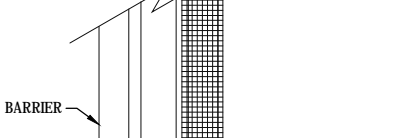
- NOTES:**
1. SEE SPECS. 1573.1149 & 308.6.
 2. COARSE FILTER AGGREGATE (SPEC. 3146) SHALL BE DOLIMITAN.



SILT FENCE, SUPER DUTY STOCK PILE CONTAINMENT

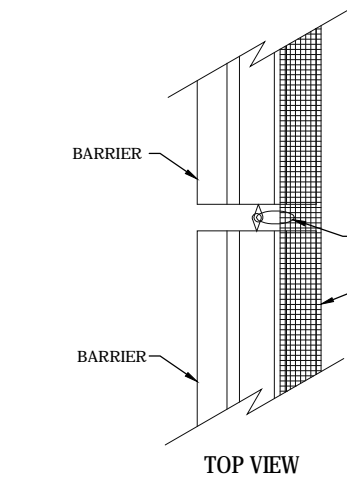


SIDE VIEW

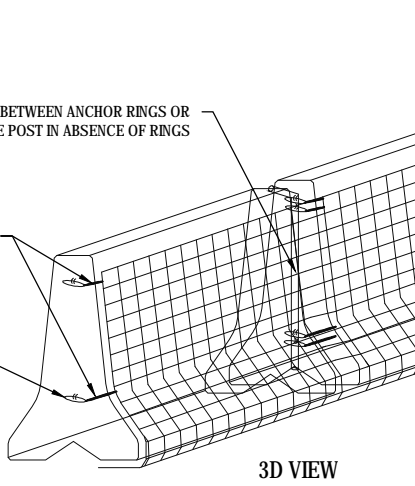


TOP VIEW

BARRIER WITHOUT CABLE RINGS



TOP VIEW

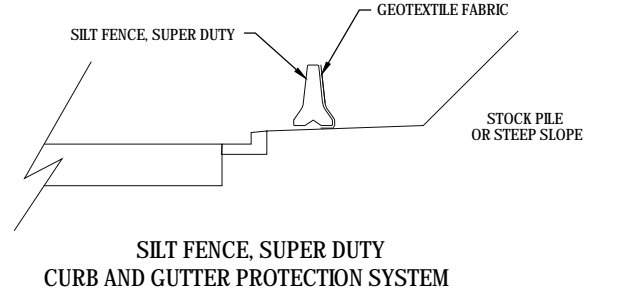


3D VIEW

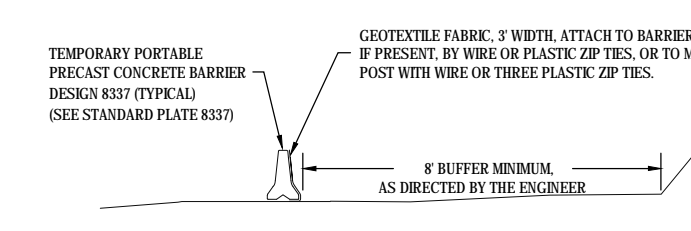
BARRIER WITH CABLE RINGS

SILT FENCE, SUPER DUTY

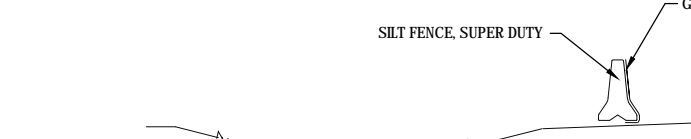
STANDARD SHEET NO. S-297.408 (2 of 2)
STANDARD VERSION: SEPTEMBER 27, 2006



SILT FENCE, SUPER DUTY CURB AND GUTTER PROTECTION SYSTEM



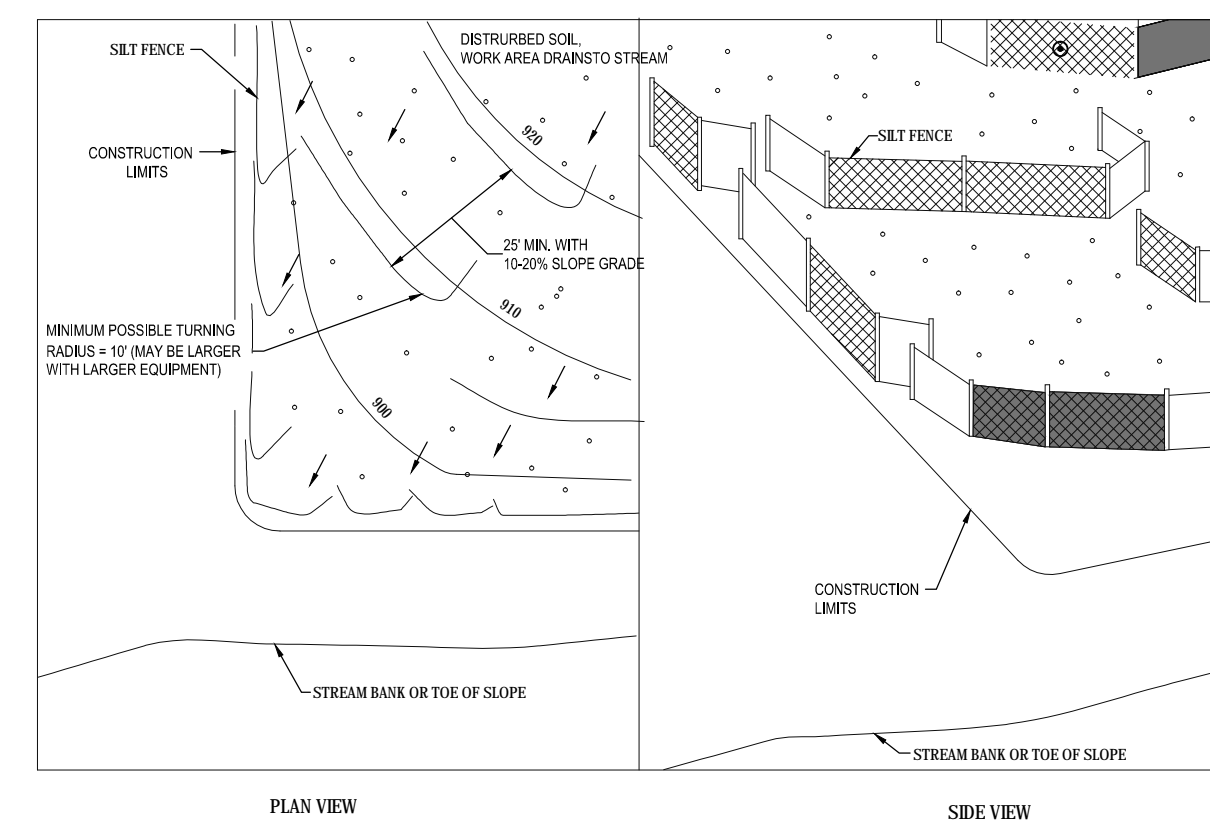
SILT FENCE, SUPER DUTY STOCKPILE SEDIMENT CONTROL



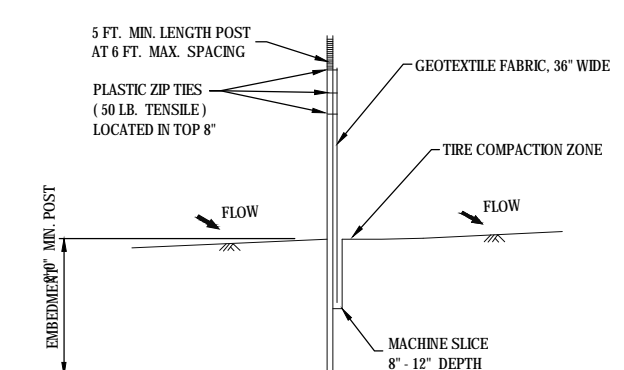
SILT FENCE, SUPER DUTY DITCH PROTECTION SYSTEM

- NOTES:**
1. SEE SPECS. 1531.1273 & 308.6.
 2. PLACE SUPER DUTY SILT FENCE ALONG A CONSTANT ELEVATION.
 3. SUPER DUTY SILT FENCE CAN EITHER BE CONCRETE, OR WATER FILLED, TEMPORARY MEDIAN BARRIER.
 4. PLACING STOCK PILES NEXT TO AN ENVIRONMENTALLY SENSITIVE AREA IS NOT RECOMMENDED. WHEN THERE ARE NO FEASIBLE ALTERNATIVES, THE SUPER DUTY SILT FENCE IS TO BE USED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 5. CRITICAL AREAS INCLUDE WETLANDS, JURIDICAL BODIES, STREAMS, WATER BODIES, AND OTHER AREAS REQUIRING PROTECTION.

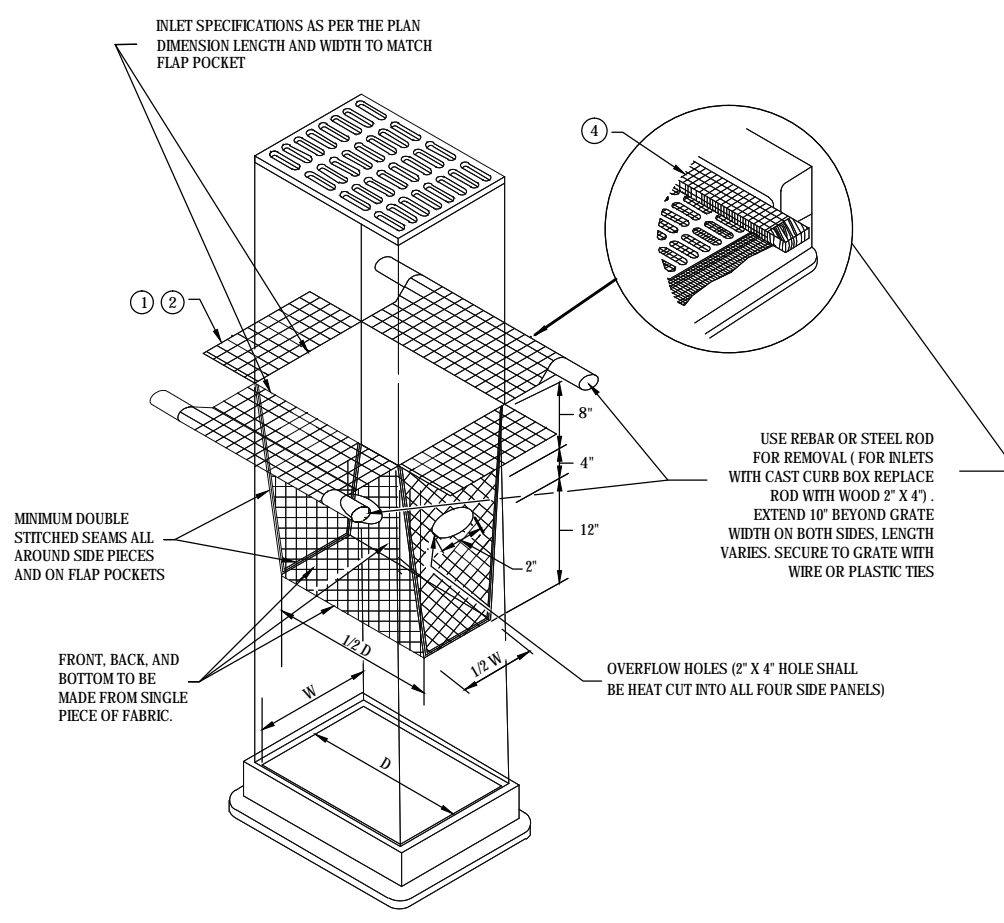
TEMPORARY SEDIMENT CONTROL SUPER DUTY SILT FENCE



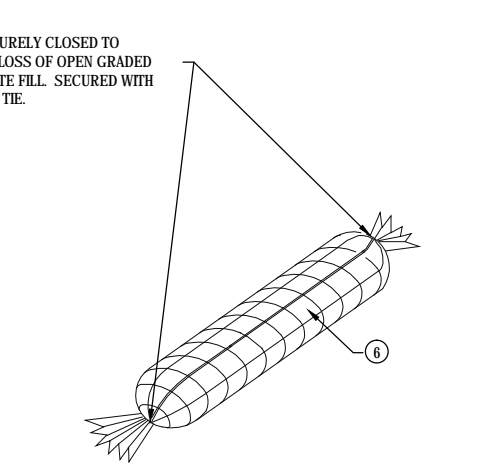
SILT FENCE, J-HOOK INSTALLATION



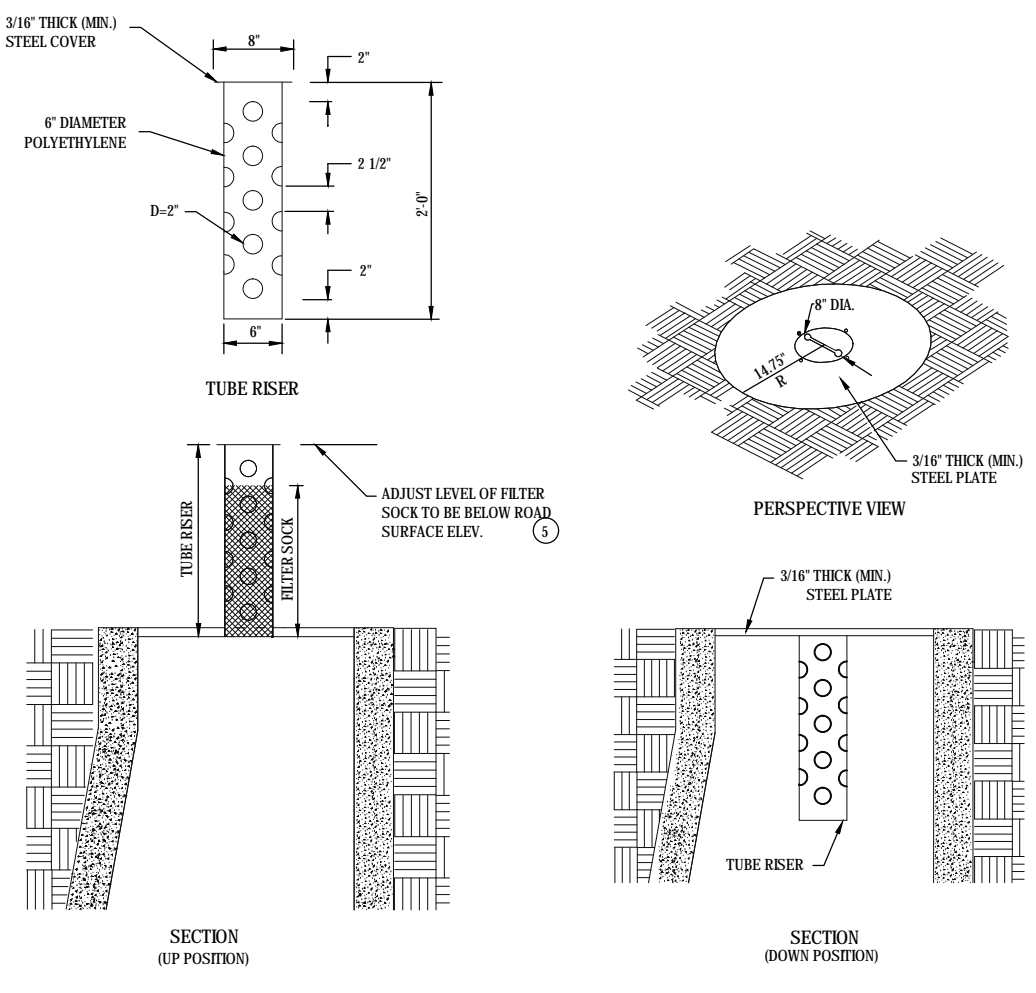
SILT FENCE, MACHINE SLICED
DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



FILTER BAG INSERT

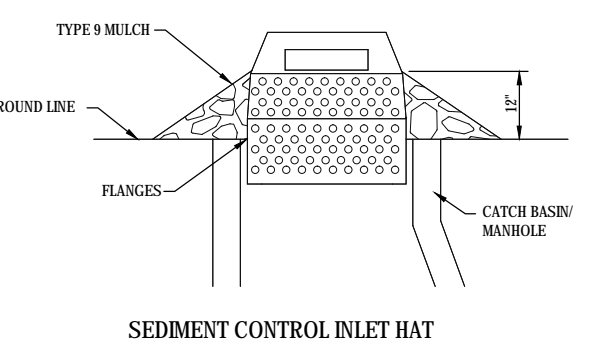


ROCK LOG/COMPOST LOG

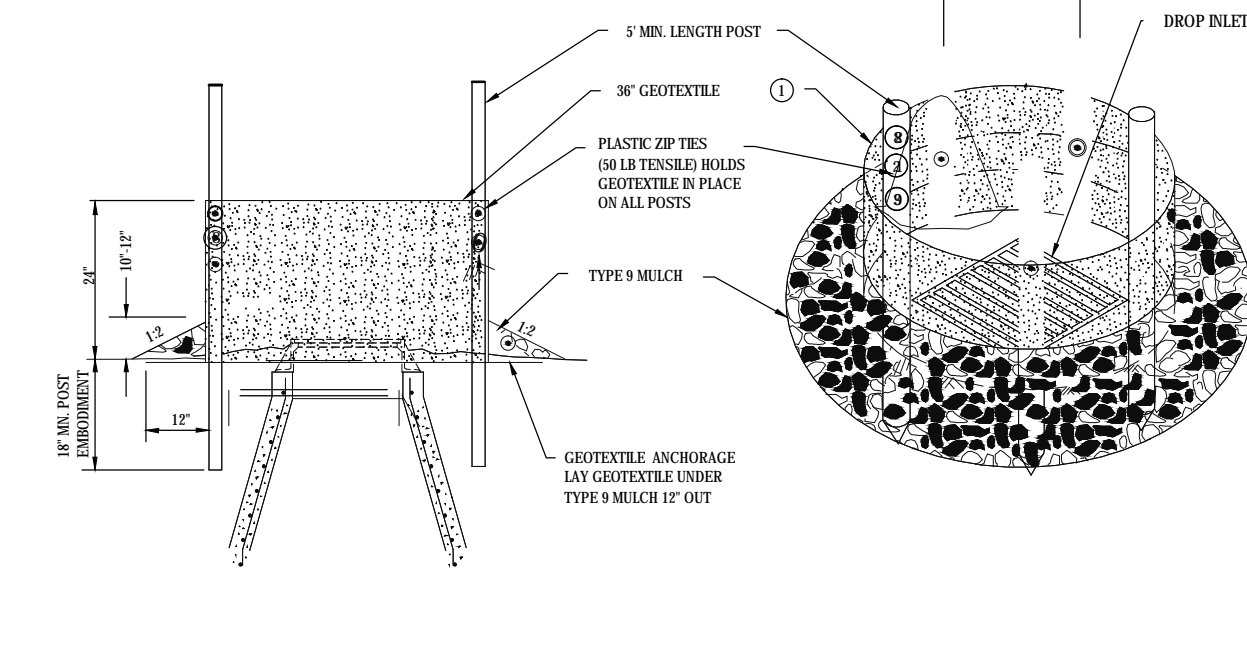


POP-UP HEAD

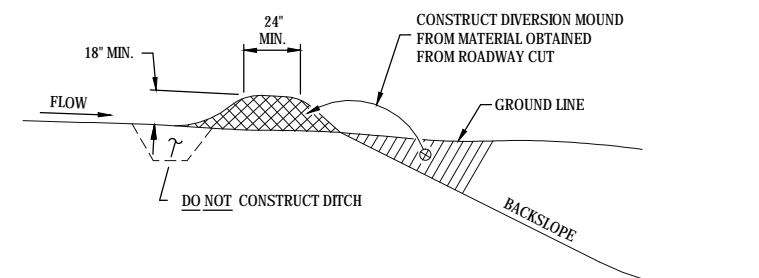
- NOTES:**
1. SEE SPECS. 1573.1147, 308.6 & 308.1.
 2. MANUFACTURED ALTERNATIVES LISTED ON MNDOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED.
 3. ALL GEOTEXTILE USED FOR RILEY PROTECTION SHALL BE MONOLAYERED IN BOTH DIRECTIONS. SEE SPEC. 308.6.
 4. FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXCEED A MINIMUM OF 18 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
 5. INSTALLATION NOTES:
DO NOT INSTALL FILTER BAG INSERT IN RILEY SHALL DEEPER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE RILEY TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM CLEARANCE OF 3 INCHES BETWEEN THE RILEY WALLS AND THE BAG. MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, WHERE NECESSARY THE CONTRACTOR SHALL CUT THE BAG, USING PLASTIC ZIP TIES TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
 6. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOODS 1 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAG IN PLACE OF THE FLAP POCKETS.
 7. SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.
 8. GEOTEXTILE SOCK BETWEEN 4 & 10 FEET LONG AND 4 INCH WIDE. SEAM TO BE JOINED BY THE POINT OF CUTTING WITH A PLASTIC HESELMAN SPEC. OR FIBRE A BEAT BOUND SEAM OR APPROVED EQUIVALENT. FILL ROCK LOG WITH OPEN GRADED AGGREGATE CONFORMING TO SPEC. 3146 OR FILL WITH COARSE FILTER FABRIC CONFORMING TO SPEC. 1117 TABLE 1117.1-1 CA-3 GRADATION.



SEDIMENT CONTROL INLET HAT

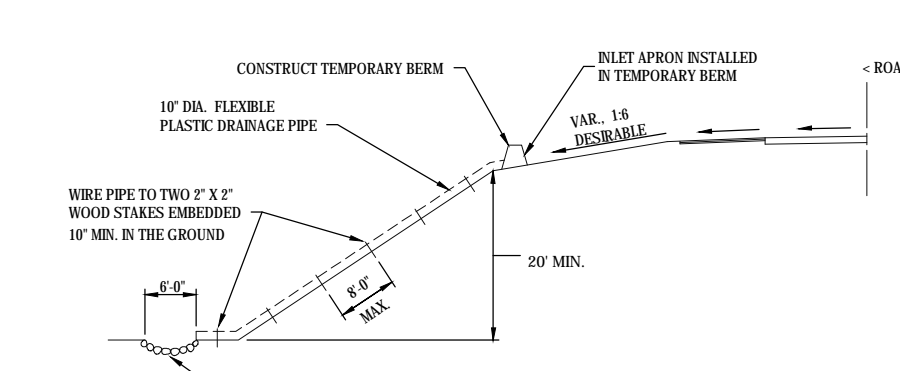


SILT FENCE RING AND ROCK FILTER BERM USE WHERE RILEY BERM IS IN AN AREA WITH SLOPES AT 1.5:1 OR LESS



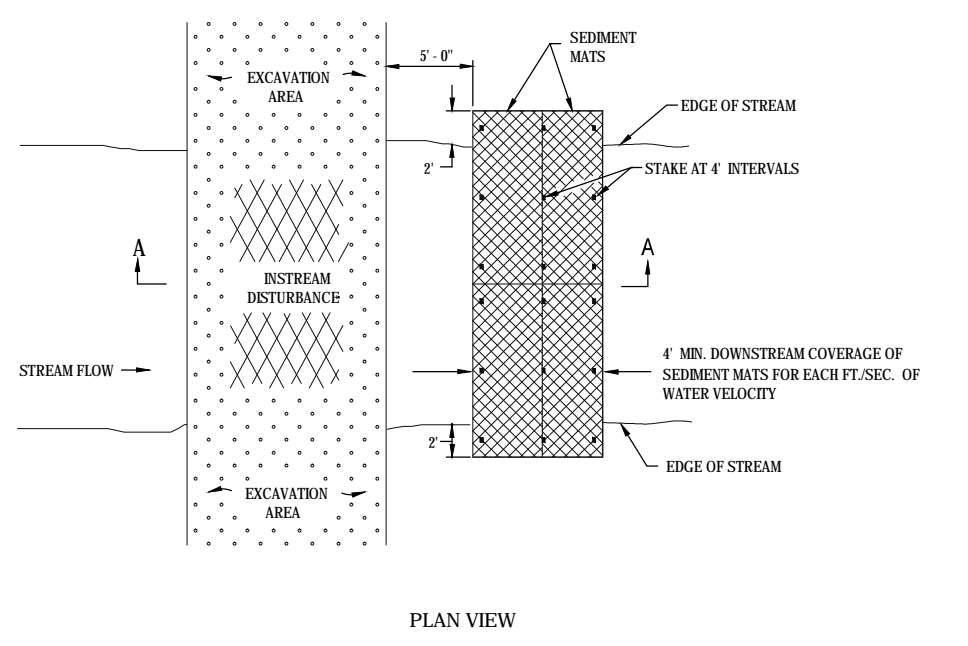
DIVERSION MOUND

DESIGN GUIDELINES:
STORM FREQUENCY: 10 YEAR - 24 HOUR
MAXIMUM DRAINAGE AREA: 3 ACRES
MAXIMUM DIVERSION: GRADE 0%

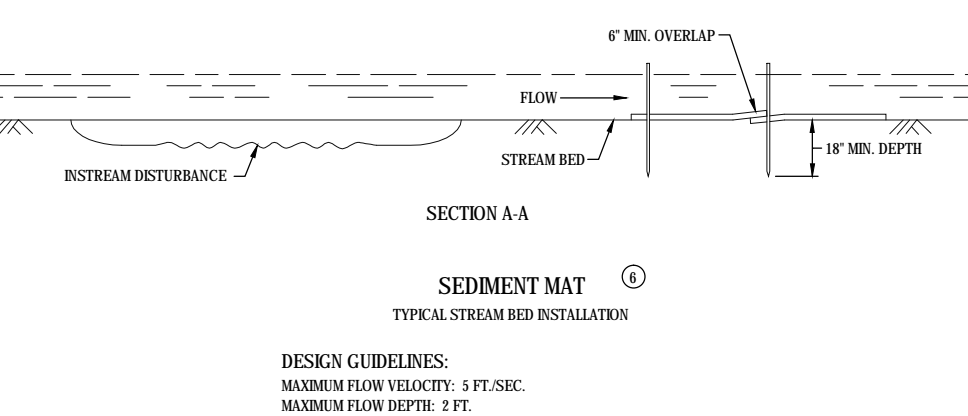


TEMPORARY DOWN DRAIN ON FILL SLOPE

DESIGN GUIDELINES:
STORM FREQUENCY: 2 YEAR - 24 HOUR
MAXIMUM DRAINAGE AREA: 3 ACRES

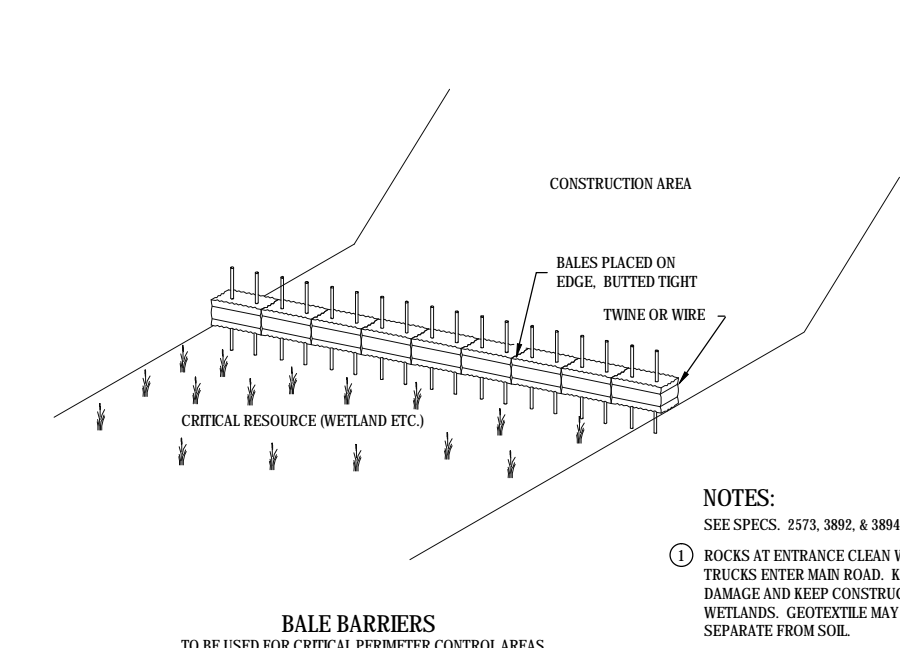


RALE BARRIERS



SEDIMENT MAT

DESIGN GUIDELINES:
MAXIMUM FLOW VELOCITY: 5 FT./SEC.
MAXIMUM FLOW DEPTH: 2 FT.

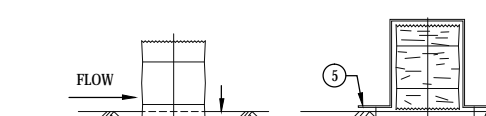


RALE BARRIERS TO BE USED FOR CRITICAL PERIMETER CONTROL AREAS

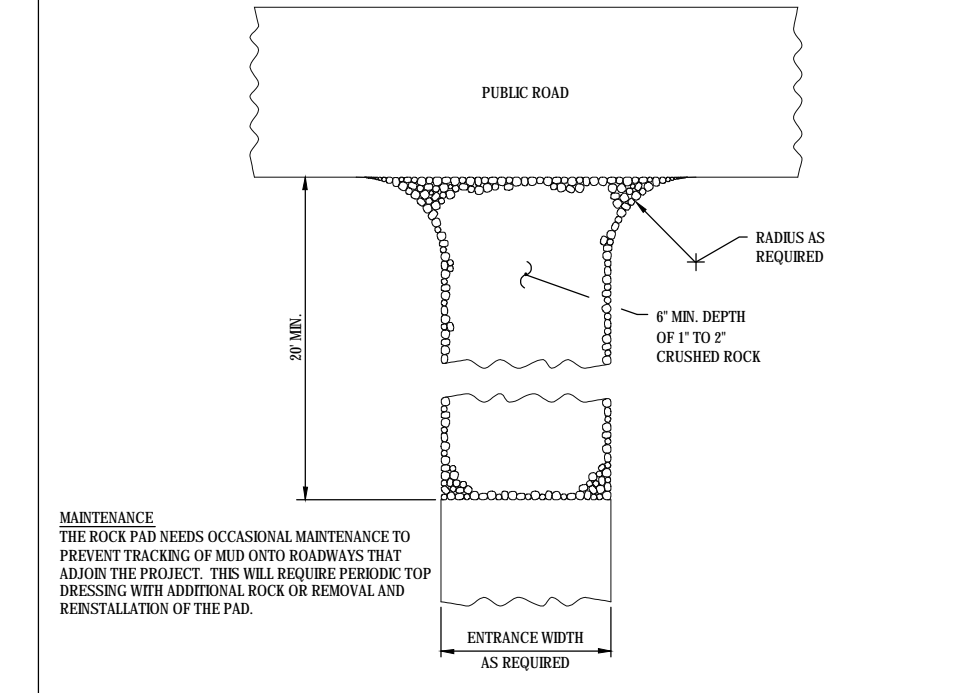
NOTES:

1. ROCKS AT ENTRANCE CLEAN WORKSITE MID OFF OF TRUCK TRAILS BEFORE TRUCKS ENTER MAIN ROAD. KEEPING MID OFF OF ROAD WILL PREVENT TO DAMAGE AND KEEP CONSTRUCTION SEDIMENT OUT OF DRAINAGE SYSTEMS AND WETLANDS. GEOTEXTILE MAY BE PLACED UNDER THE ROCK TO KEEP ROCKS SEPARATE FROM SOIL.
2. A GEOTEXTILE FABRIC SHALL BE USED UNDER THE ROCK TO PREVENT BREAKAGE OF THE UNDERLIEING SOIL INTO THE STREAM.
3. REMOVE SAND AND DEBRIS FROM TRUCKS AND VEHICLE UNDERCARRIAGE PRIOR TO LEAVING THE SITE.

1. W = 10 FT. MIN. TO 10 FT. MAX.
2. D = 2 FT.
3. TWO (2) X 2 IN. WOOD STAKES OR HERRINGBONE BARS IN EACH BALE EMBEDDED 18 INCHES MINIMUM IN THE GROUND.
4. PLACE A CATEGORY 1 EROSION CONTROL BLANKET, 4 FT. WIDE MINIMUM OVER THE BALE INSTEAD OF TRUCKING.
5. THIS DETAIL MAY NOT BE ACCEPTABLE FOR WORK ON PUBLIC WATERS. SEE GENERAL PUBLIC WATERS PERMIT (CPL 1004.000).
6. LOCATION OF DOWNSTREAM TEMPORARY SEDIMENT CONTROL DEVICE.



RALE BARRIER DETAIL APPROX. BALE SIZE: 14' X 14' X 3' LONG



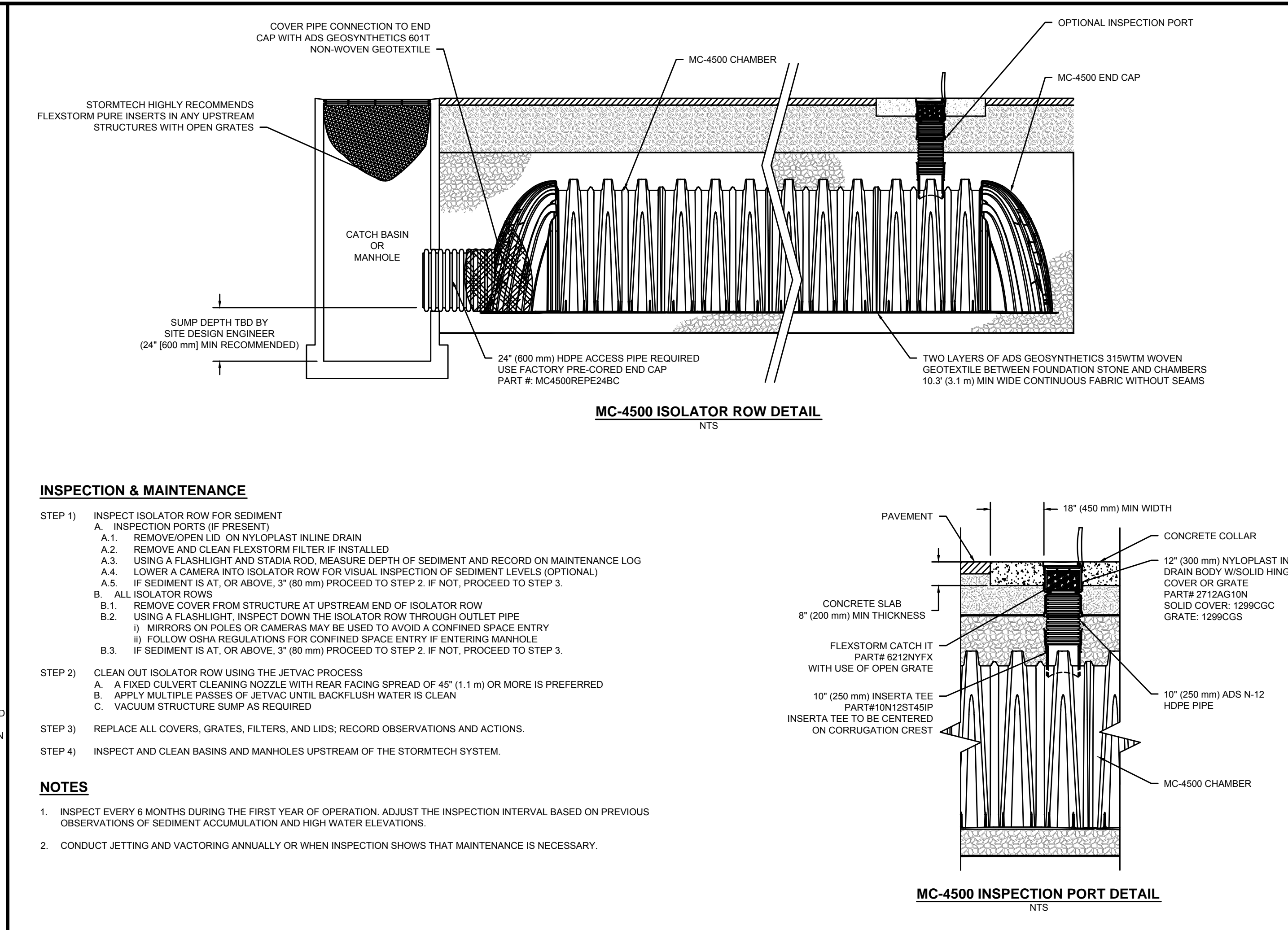
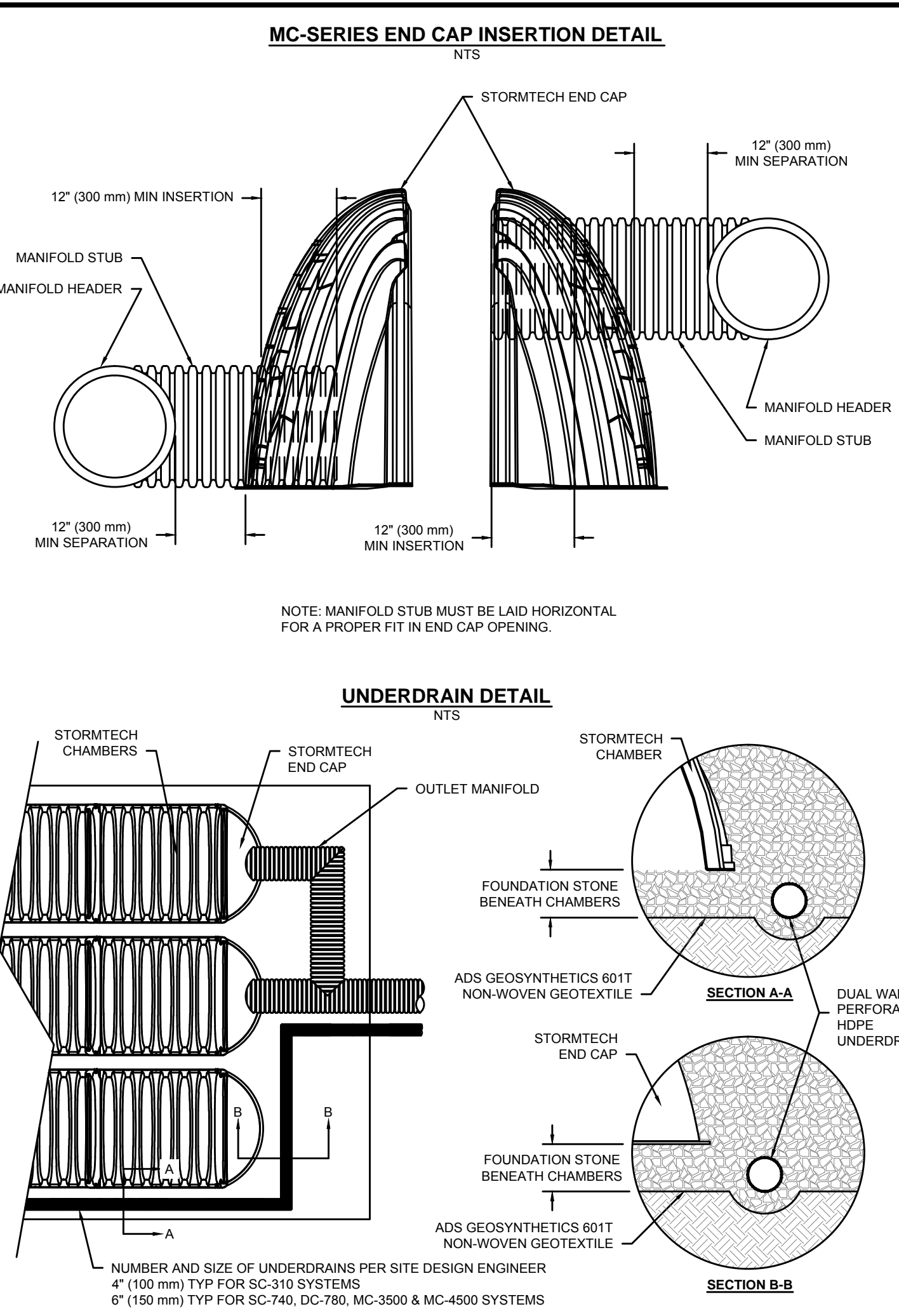
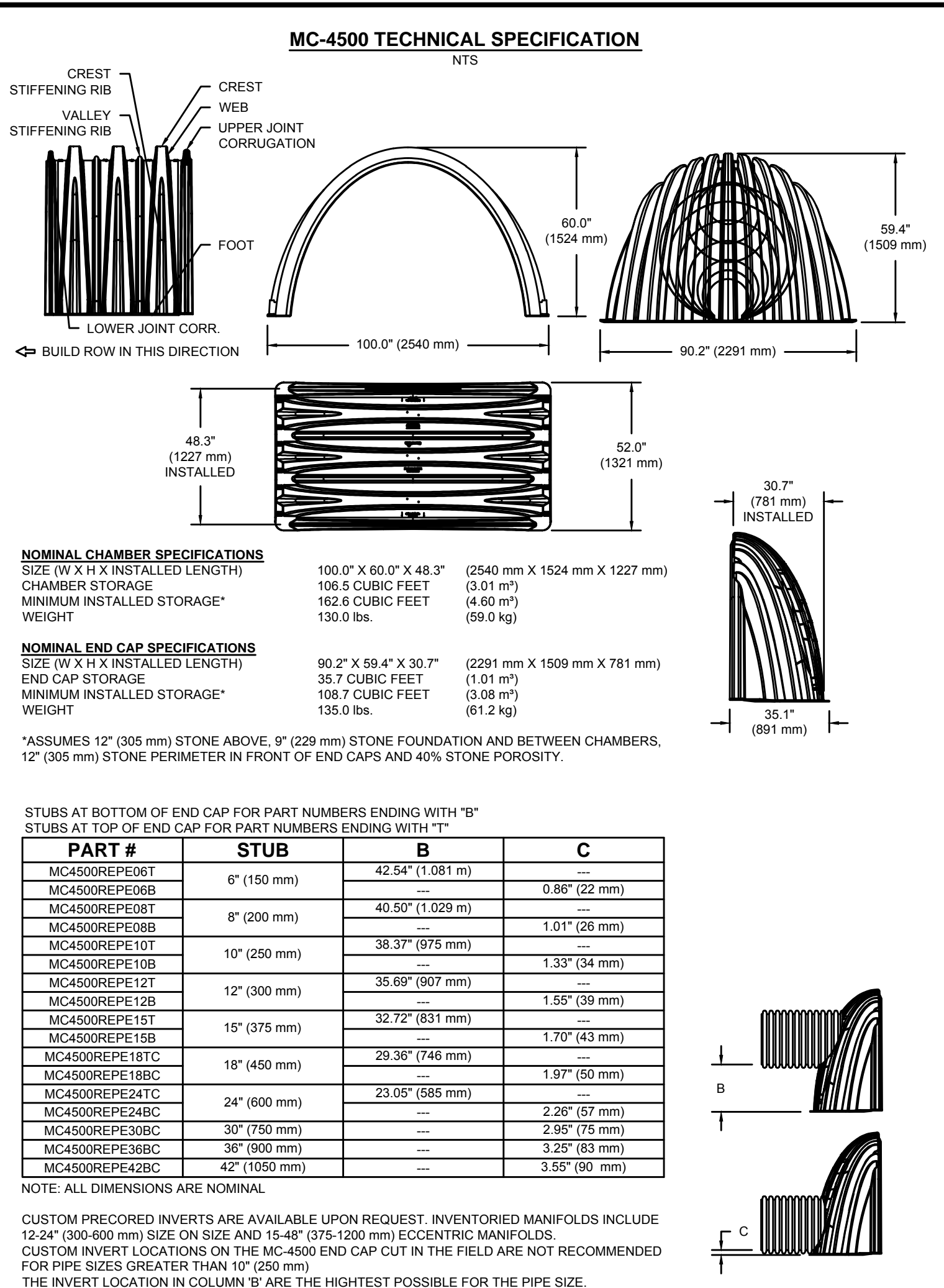
ROCK CONSTRUCTION ENTRANCE

- NOTES:**
1. ROCK SIZE SHOULD BE 1 TO 2" IN SIZE SUCH AS MNDOT CA-1 OR CA-2 COARSE AGGREGATE.
 2. A GEOTEXTILE FABRIC SHALL BE USED UNDER THE ROCK TO PREVENT BREAKAGE OF THE UNDERLIEING SOIL INTO THE STREAM.
 3. REMOVE SAND AND DEBRIS FROM TRUCKS AND VEHICLE UNDERCARRIAGE PRIOR TO LEAVING THE SITE.



SEDIMENT TRAP DETAIL

<p>CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100</p>	
<p>PROJECT: RAMSEY, MN #2</p>	<p>DATE: 12-03-14</p>
<p>"O2" STYLE STORE - FLAT ROOF</p>	<p>EROSION CONTROL DETAILS</p>
<p>CONSTRUCTION DIVISION</p>	<p>C1.1</p>
<p>DESIGNED BY: RJK</p>	<p>CHECKED BY: JEA</p>



Design Tree
ENGINEERING AND SURVEYING

2510 Broadway Street South
Albany, MN 56008
(320) 762-1200 (Phone)
(320) 762-8094 (Fax)

3339 W. St. Germain St., Suite 250
St. Cloud, MN 56301
(320) 217-5557 (Phone)
(320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

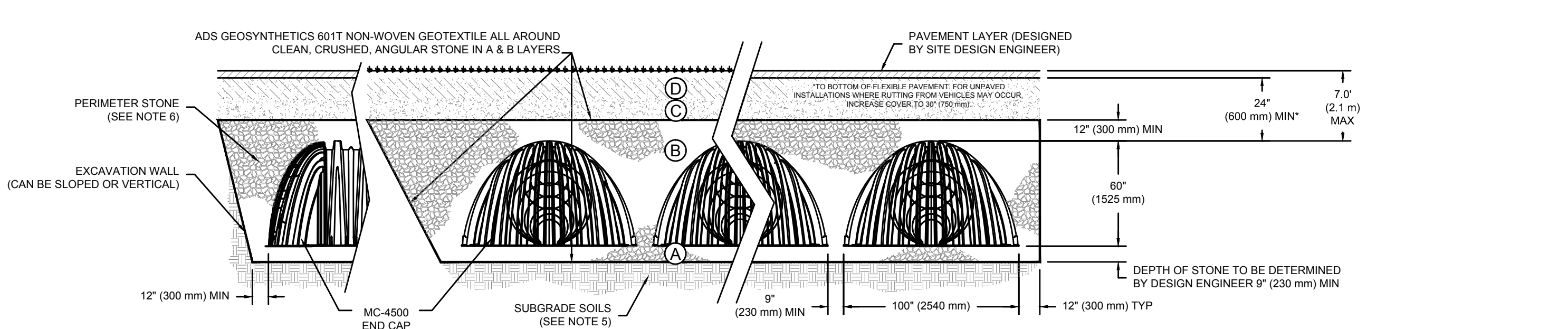
Jeremy E. Anderson
JEREMY E. ANDERSON
DATE: 12-03-14 LICENSE #: 44223

ACCEPTABLE FILL MATERIALS: STORMTECH MC-4500 CHAMBER SYSTEMS

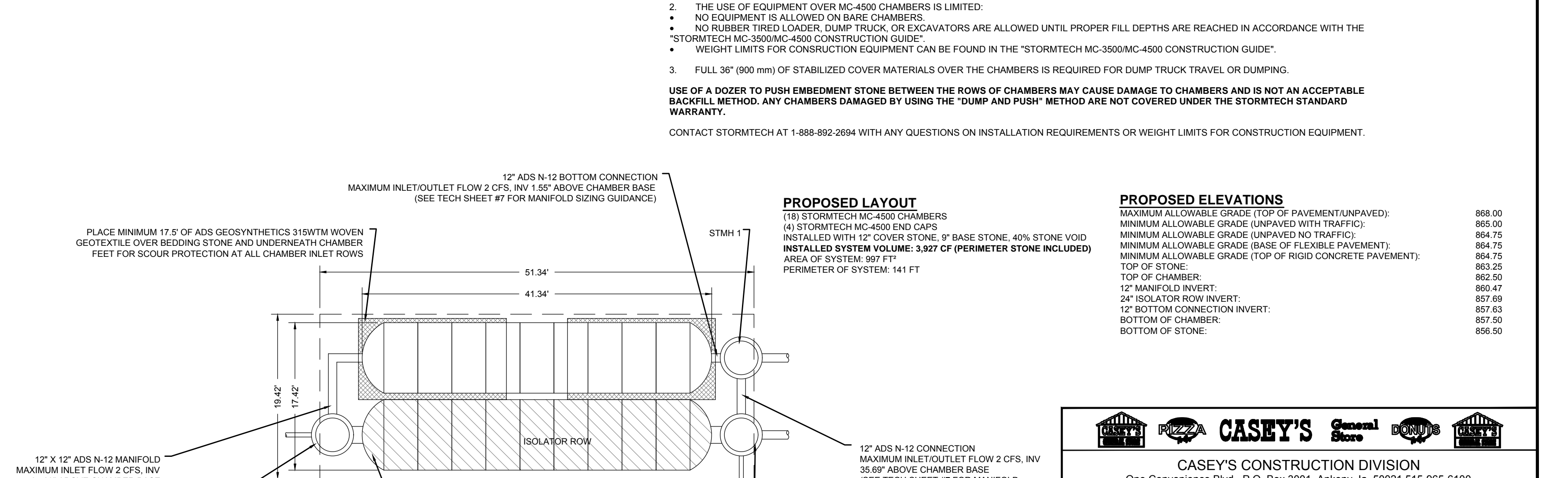
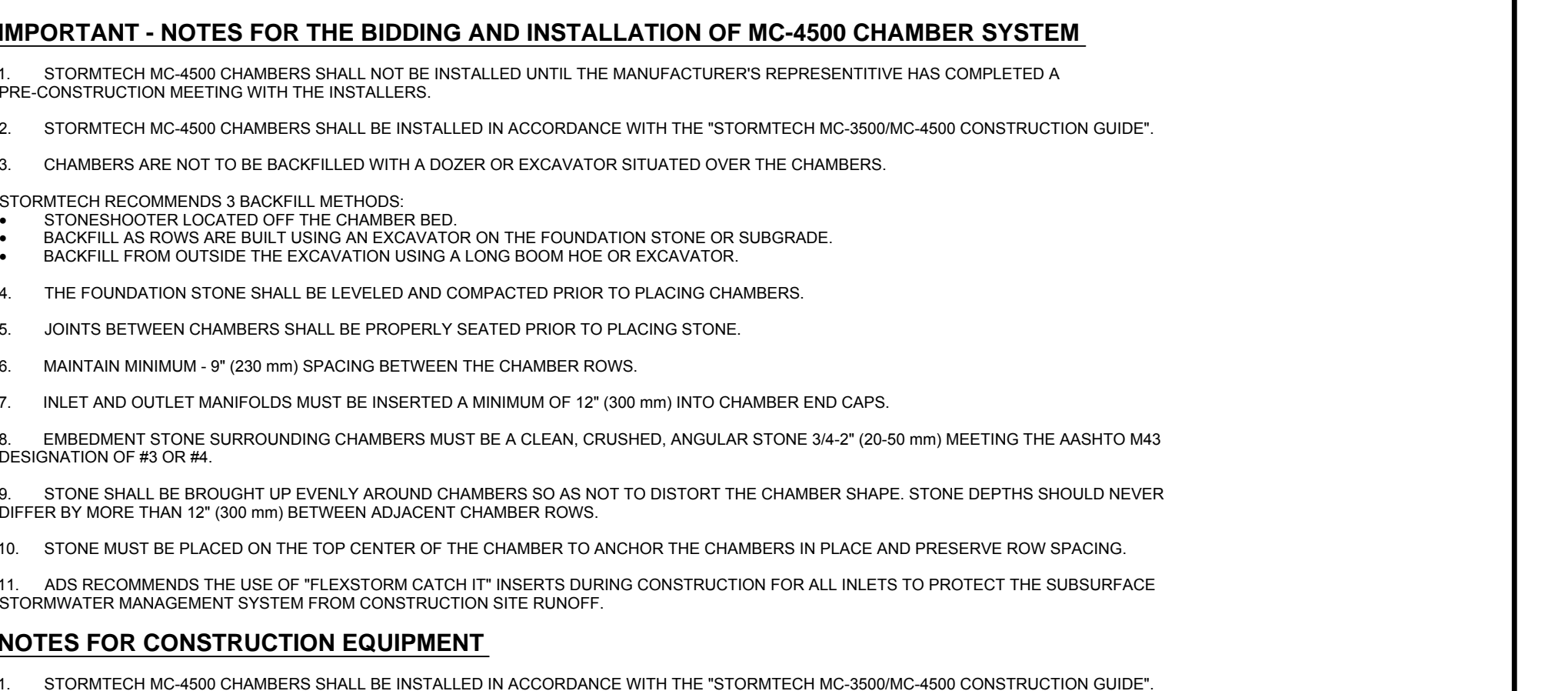
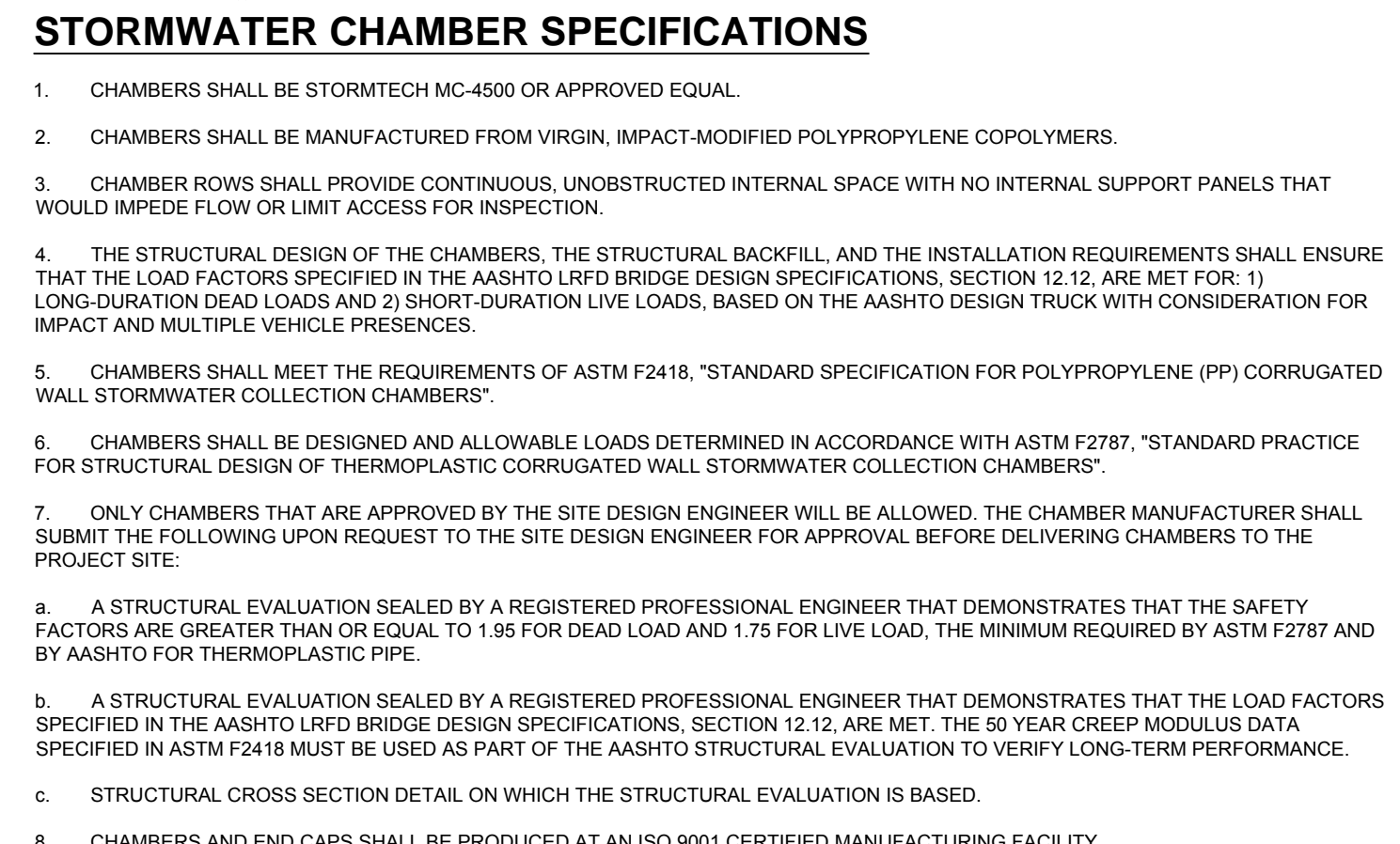
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2, A-3, A-3.1 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL-GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ¹

PLEASE NOTE:

- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



- NOTES:**
- MC-4500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - MC-4500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
 - THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
 - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - ONCE LAYER 'C' IS PLACED, ANY SOLI/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



CASEY'S CONSTRUCTION DIVISION
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: **RAMSEY, MN #2**

DATE: **12-03-14**

DESCRIPTION: **"O2" STYLE STORE - FLAT ROOF**

CONTRACTOR: **RJK**

DESIGNED BY: **JEA**

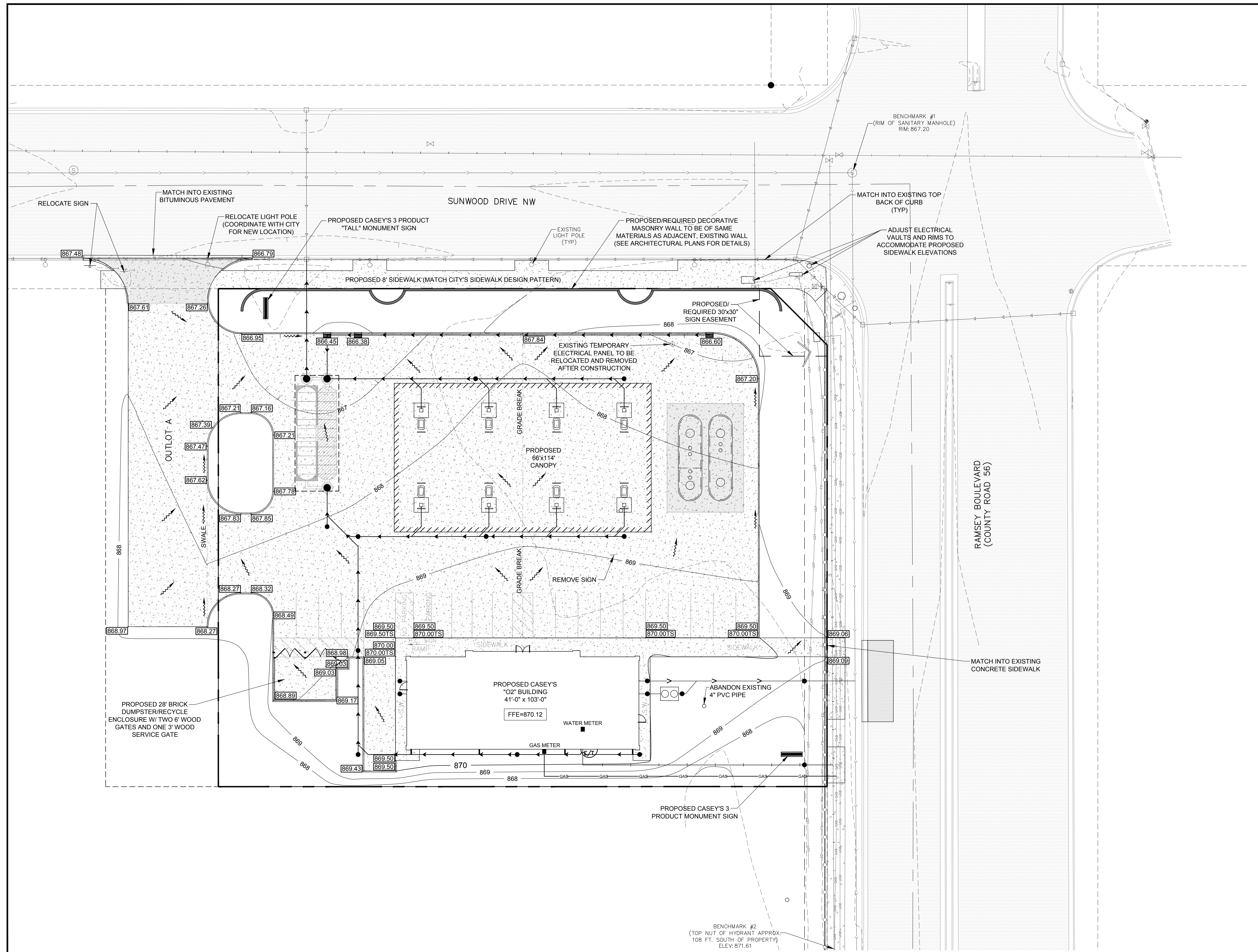
STORMTECH DETAILS

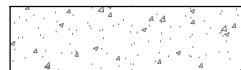
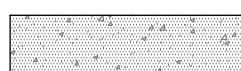
C1.2

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Jeremy E. Anderson
JEREMY E. ANDERSON

DATE: 12-03-14 LICENSE #: 44223



- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
 - CONTRACTOR SHALL FIELD VERIFY ALL BUILDING DIMENSIONS PRIOR TO ANY CONSTRUCTION.
 - ALL SPOT ELEVATIONS SHOWN IN CURB AND GUTTER ARE TO FLOW LINE. XXXX.XXTS = TOP OF SIDEWALK AT FLOW LINE
 - USE EITHER MONOLITHIC CURB OR B618 CURB AND GUTTER WITHIN SITE AREA.
 - SIDEWALKS SHALL MEET A.D.A. REQUIREMENTS, AND SHALL NOT EXCEED 2.00% CROSS SLOPE, OR 5.00% LONGITUDINAL SLOPE. CONCRETE ENTRANCES AND APPROACHES SHALL NOT EXCEED 2.00% CROSS SLOPE IN SIDEWALK AREAS.
 - CONCRETE SIDEWALK TO MATCH CITY'S EXISTING CONCRETE SIDEWALK DESIGN PATTERN.
-  = 6" NON-REINFORCED CONCRETE
 = 7" CONCRETE (SEE DETAILS FOR REINFORCEMENT)

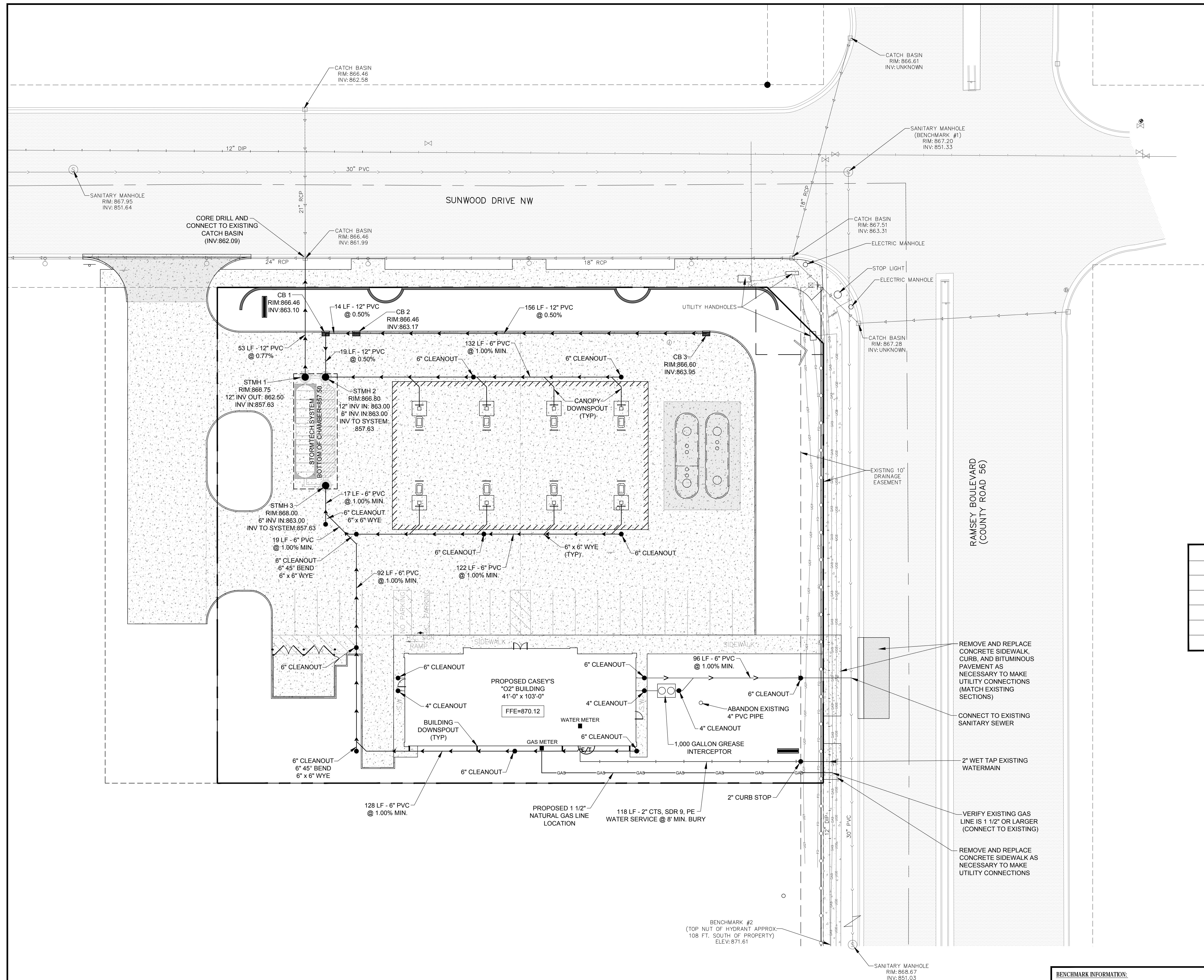
BENCHMARK INFORMATION:
 BENCHMARK #1: Use rim of sanitary manhole at the intersection of Ramsey Boulevard and Sunwood Drive. Elev: 867.20
 BENCHMARK #2: Use top nut of hydrant located approx. 108 feet south of subject property along west side of Ramsey Boulevard. Elev: 871.61

CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100	
PROJECT: RAMSEY, MN #2	DATE: 12-03-14
REVISIONS: CONSTRUCTION DIVISION	DRAWING INFORMATION: GRADING PLAN
DRAWN BY: RJK	CHECKED BY: JEA
C2.0	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Jeremy E. Anderson
JEREMY E. ANDERSON

DATE: 12-03-14 LICENSE #: 44223



- GENERAL NOTES:**
1. THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE. THEY HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND/OR RECORDS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ANY EXISTING UTILITIES (SHOWN OR NOT SHOWN) ARE NOT DAMAGED DURING CONSTRUCTION.
 2. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
 3. CONTRACTOR SHALL FIELD VERIFY ALL BUILDING DIMENSIONS PRIOR TO ANY CONSTRUCTION.
 4. WATER SERVICE PIPE SHALL BE 2" CTS, SDR 9, PE.
 5. ALL PVC STORM SEWER PIPE AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D-3034, "STANDARD SPECIFICATION FOR PVC SEWER PIPE AND FITTINGS" OR ASTM F-679, "STANDARD SPECIFICATION FOR PVC LARGE DIAMETER PLASTIC GRAVITY SEWER PIPE AND FITTINGS".
 6. ALL PVC STORM SEWER PIPE JOINTS SHALL BE GASKETED, BELL AND SPIGOT, PUSH-ON TYPE CONFORMING TO ASTM D3212, "STANDARD SPECIFICATION FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPES USING FLEXIBLE ELASTOMERIC SEALS".
 7. SANITARY SEWER SERVICE PIPE AND FITTINGS SHALL BE SCH 40 PVC.
 8. ALL PIPING SHALL BE TESTED IN ACCORDANCE WITH THE MINNESOTA STATE PLUMBING CODE.
 9. CATCH BASINS IN CURB AND GUTTER SHALL HAVE MNDOT 4129 CASTING WITH MNDOT 4152 GRATE AND MNDOT 4160 CURB BOX.
 10. MANHOLES SHALL HAVE MNDOT 700-7 CASTING WITH MNDOT 716 COVER.

DESCRIPTION	STRUCTURE TYPE
CB 1	MNDOT STORM MANHOLE 48-4020
CB 2	MNDOT STORM MANHOLE 48-4020
CB 3	MNDOT STORM MANHOLE 48-4020
STMH 1	MNDOT STORM MANHOLE 48-4020
STMH 2	MNDOT STORM MANHOLE 48-4020
STMH 3	MNDOT STORM MANHOLE 48-4020

STORMWATER CALCULATIONS

PROPOSED IMPERVIOUS AREA = 44,460 SF (1.021 AC)
 REQUIRED STORAGE VOLUME FROM 1" RUNOFF = 3,705 CF
 STORMTECH UNDERGROUND INFILTRATION SYSTEM
 TOTAL STORAGE PROVIDED BELOW DISCHARGE = 3,927 CF

REMOVE AND REPLACE CONCRETE SIDEWALK, CURB, AND BITUMINOUS PAVEMENT AS NECESSARY TO MAKE UTILITY CONNECTIONS (MATCH EXISTING SECTIONS)

CONNECT TO EXISTING SANITARY SEWER

2" WET TAP EXISTING WATERMAIN

VERIFY EXISTING GAS LINE IS 1 1/2" OR LARGER (CONNECT TO EXISTING)

REMOVE AND REPLACE CONCRETE SIDEWALK AS NECESSARY TO MAKE UTILITY CONNECTIONS

BENCHMARK INFORMATION:

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CASEY'S Construction Division
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: **RAMSEY, MN #2**

DATE: 12-03-14

REVISIONS:

CONSTRUCTION DIVISION

DRAWN BY: RJK CHECKED BY: JEA

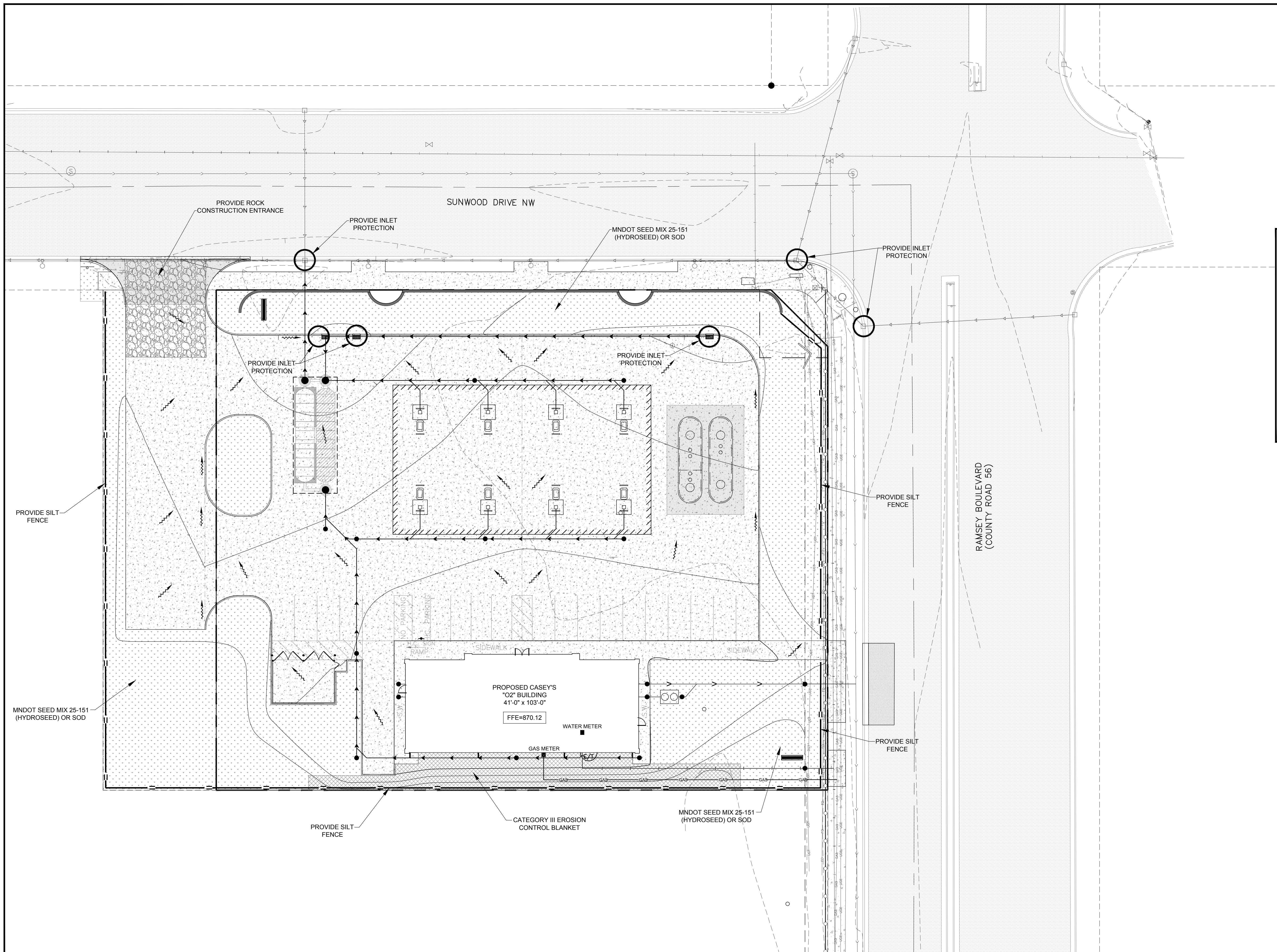
UTILITY PLAN

C3.0

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Jeremy E. Anderson
JEREMY E. ANDERSON

DATE: 12-03-14 LICENSE #: 44223



- NOTES:**
1. ALL DISTURBED AREAS SHALL BE RESTORED AND SEEDING WITH MNDOT SEED MIX 25-151 (HYDROSEED) AND/ OR SOD.
 2. INLET PROTECTION SHALL BE PROVIDED ON ALL CATCH BASINS AND INLETS DOWN GRADIENT OF CONSTRUCTION ACTIVITY.
 3. PROVIDE SILT FENCE PERIMETER CONTROL AROUND ENTIRE CONSTRUCTION ACTIVITY, AND ALL TEMPORARY STOCKPILES.
 4. TEMPORARY ROCK ENTRANCES SHALL BE INSTALLED AFTER BACKFILLING OF FOUNDATION AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
 5. NO OFFSITE VEHICLE TRACKING IS PERMITTED. STREETS SHALL BE CLEANED AND SWEEPED WHENEVER TRACKING OF SEDIMENTS OCCUR AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS.
 6. REFER TO SWPPP TEMPLATE AND THE CITY OF RAMSEY EROSION CONTROL REQUIREMENTS FOR FURTHER EROSION CONTROL SEQUENCING.

PROVIDE SILT FENCE

MNDOT SEED MIX 25-151 (HYDROSEED) OR SOD

PROVIDE SILT FENCE

CATEGORY III EROSION CONTROL BLANKET

MNDOT SEED MIX 25-151 (HYDROSEED) OR SOD

PROVIDE SILT FENCE

PROVIDE SILT FENCE

RAMSEY BOULEVARD (COUNTY ROAD 56)

		CASEY'S Construction Division One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100	
PROJECT:	RAMSEY, MN #2	DATE:	12-03-14
DRAWING INFORMATION:	CONSTRUCTION DIVISION	REVISIONS:	EROSION CONTROL PLAN
DRAWN BY:	RJK	CHECKED BY:	JEA
			C4.0