

PROJECT: COLLEGE OF THE REDWOODS MENDOCINO RESIDENCE HALL RE-ROOF
Redwoods Community College District
NMR Project No. 10-2529

BID DATE: **April 8, 2015 at 9:00 A.M.** All bids shall be received at the office of **Steven Roper, Director of Facilities and Planning**, College of the Redwoods, 7351 Tompkins Hill Road, Eureka, California 95501.

GENERAL: This **Addendum Number Two** shall be inserted into your set of Drawings and Specifications for this project and shall take precedence over the original Drawings and Specifications. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

I - CHANGES TO PRIOR ADDENDA (ITEMS NOTED WITH AN "A" PREFIX):

Refer to Addendum Number One, Item II – Changes to Bidding Requirements and refer to revised bid opening time noted in Section II below.

II - CHANGES TO BIDDING REQUIREMENTS (ITEMS NOTED WITH A "B" PREFIX):

Refer to Project Manual, Sections 00 11 13 Notice Inviting Bids, and Section 00 21 13 Instructions to Bidders and **change bid time to the following: April 8, 2015 at 9:00 A.M.**

III – CHANGES TO AGREEMENT & OTHER CONTRACT FORMS (ITEMS NOTED WITH AN "F" PREFIX):

None

IV – CHANGES TO CONDITIONS OF THE CONTRACT (ITEMS NOTED WITH A "C" PREFIX):

None

V – CHANGES TO SPECIFICATIONS (ITEMS NOTED WITH AN "S" PREFIX):

- S1.01 Refer to Project Manual, and attached **Specification Section 00 01 03 Opinion of Probable Cost (OPC) Summary**: This section has been added to the project manual.
- S1.02 Refer to Project Manual, Specification Section 00 01 10 Table of Contents: ADD the following sections -
INTRODUCTORY INFORMATION – Section 00 01 03 OPINION OF PROBABLE COST (OPC) SUMMARY
DRAWING EXHIBITS –New Exhibit A-11D Roof To Wall.
- S1.03 Refer to Project Manual, Section 00 11 13 Notice Inviting Bids. Refer to Item II for change in bid opening time.
- S1.04 Refer to Project Manual, Section 00 21 13 Instructions to Bidders. Refer to Item II for change in bid opening time.
- S1.05 Refer to Project Manual, Section 01 22 00 Unit Prices.
Section 3.1, Item A – Revise plywood material callout to be 3/8" CDX. Unit of Measure shall be - One 4'x8' sheet.
Section 3.1, Item B – Replace Description text with the following:

Description: Provide storm drain collection system at all downspout locations that shall be routed to existing storm drain piping based on locations provided in drawings. Contractor shall verify connection points to

existing storm drain system and provide best route for piping. Drawings indicate routing to known existing storm drain inlet and piping locations. Where routing is required beyond project scope, the best, direct route shall be provided with associated unit based cost. New material shall be NPS 6 corrugated PE drainage pipe and fittings with soil-tight coupled joints.

Section 3.1, Item C – ADD this Item to this section:

C Unit Price No. 3

- 1) Description: Remove existing deteriorated tongue & groove ceiling and heavy timber roof rafter when required as described on Drawing Sheet A1.1 under Demo note 2 when deterioration extends below the surface layer of plywood as noted under Item A. New ceiling material shall be 2x6 stain-grade tongue & groove boards. New timber rafter material shall be 3x10 paint grade, solid sawn or glue-laminated timber.
- 2) Unit of Measure: T&G – Lineal board foot
Heavy Timber rafter – Lineal board foot

S1.06 Refer to Project Manual, Section 01 23 00 Alternates
Section 3.1, Item A – ADD the following language to the description:

This Alternate applies to both Residence Hall buildings – ‘Mendocino’ and ‘Del Norte’. Pricing of Additive Alternate shall be listed for each building.

Section 3.1, Item B - ADD this Item to this section:

Alternate No. 2 (Additive): Removal of existing drainage swales, drain inlets, and underground storm drain piping along north and southeast sides of the building and replace with linear trench drain. Provide trench drain along southwest side of building. Removal and replacement shall include, but not limited to, the following:

1. Remove 3'-0" wide concrete drainage swale including drain inlets and underground storm piping along the north side of the building.
2. Remove 3'-0" wide concrete drainage swale including drain inlets and underground piping along the southeast side of building.
3. Remove additional concrete or asphalt paving or landscaping as needed to provide access to tie-in to existing drain inlets or storm piping system.
4. Provide trenching for installation of trench drain and storm piping.
5. Provide trench drain along north side of the building with tie-in to existing storm drain system on the east. This incorporates establishment of grade heights, use of existing natural drainage patterns for maximum flow range, and use of materials and methods per manufacturer for installation.
6. Provide trench drain along southeast and southwest sides of the building with tie-in to existing storm drain system along the south walkway adjacent to the SSAT building. This incorporates establishment of grade heights, use of existing natural drainage patterns for maximum flow range, and use of materials and methods per manufacturer for installation.
7. Provide connections to rainwater leader locations on building.
8. Provide extended AC paving curb along northwest landscape area.

S1.07 Refer to Project Manual, Section 07 41 14 Metal Roof System. Revise Section 2.2, Item A4a – Profile to be a 1" high batten in lieu of 1 1/2".

- S1.08 Refer to Project Manual, Section 33 41 00 Storm Utility Drainage Piping. DELETE Section 2.3 and Section 2.8.
- S1.09 Refer to Project Manual, Section 01 23 00 Alternates, Item B –Alternate No. 2 (listed above under Item S1.06) **and attached manufacturer specification and installation sheets** for trench drain.

VI - CHANGES TO DRAWINGS (ITEMS NOTED WITH A “D” PREFIX):

- D1.01 Refer to Drawing Exhibit A1.0, and **attached new Sheet AD2/A1.0**: Refer to additions, clarification, and adjustments made under Delta ADD2. Revisions include: clarification of rain water leader locations with tie-in to storm drain system, including AC paving, concrete, and landscape work; Removal & replacement of existing swale drainage as an Additive Alternate 2, including concrete, AC paving curbing, and trench drain. Scope of work note includes the second residence hall for Add Alternate 1.
- D1.02 Refer to Drawing Exhibit A1.1, and **attached new Sheet AD2/A1.1**: Refer to additions, clarification, and adjustments made under Delta ADD2. Revisions include: Clarification of existing rain water leader locations; The addition of the lower porch roof; Investigation of the eave along the south end of the building; Inclusion of second residence hall to ADD-ALTERNATE 1; Text revisions in DEMO notes.
- D1.03 Refer to Drawing Exhibit A1.2, and **attached new Sheet AD2/A1.2**: Refer to additions, clarification, and adjustments made under Delta ADD2. Revisions include: Clarification of number of rain water leaders required and locations; Addition of gutter expansion joints; Addition of overflow scuppers to gutters; Clarify gutter installation over existing metal fascia at south end of building; Repair beam tops and add sheet metal caps over existing beam ends at lower porch; Inclusion of second residence hall to ADD-ALTERNATE 1.
- D1.04 Refer to Drawing Exhibit A-3D, and **attached new Sheet AD2/3D**: Refer to additions, clarification, and adjustments made under Delta ADD2. Revisions include: Addition of overflow scuppers to gutter; Adjustment to rain water leader attachment and routing; Clarification of text for rafter repair for damage beyond the initial demo of 15” of rafter tail.
- D1.05 Refer to Drawing Exhibit A-9D, and **attached new Sheet AD2/9D**: Refer to additions, clarification, and adjustments made under Delta ADD2. Revisions include: Clarification of anchorage conditions for upper walkway, posts, and building wall; Adjustment for post base offset.
- D1.06 Refer to Drawing Exhibit A-11D, and **attached new Sheet AD2/11D**: New Detail added to project for roof to wall detail at lower porch roof.

VI – CHANGES – GENERAL – RESPONSES TO INQUIRIES (ITEMS NOTED WITH A “G” PREFIX):

None

Respectfully,

Dan S. Rossetto
Nichols, Melburg, and Rossetto

Attachments: Specifications: 00 01 03
Manufacturer Specifications and Installation details for ACO trench drain.
Drawing Exhibits: ADD2/A1.0, ADD2/A1.1, ADD2/A1.2, ADD2/3D, ADD2/9D, ADD2/11D.

OPINION OF PROBABLE COST SUMMARY

I. CONSTRUCTION COSTS

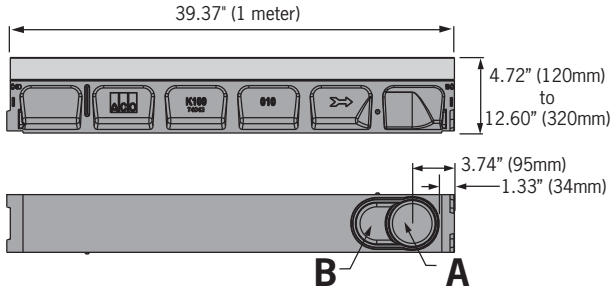
A	Removal of existing roofing material w/ abatement, repair & replacement of framing members and substrate, and installation of new roofing material with waterproofing, new fascia, new gutter & rainwater leaders	\$	190,448.00
B	Complete removal of stone fireplace & chimney as Additive Alternate 1	\$	6,200.00
C	Removal of existing drainage swale and area drains and replacement with trench drain providing connection of rainwater leaders to storm drain system as Additive Alternate 2	\$	73,652.00
	Total Construction	\$	270,300.00
F	Regional Adjustment Multiplier	1.14	
	Subtotal Construction Costs	\$	308,142.00
F	General Conditions	13%	\$ 40,058.46
G	Overhead & Profit	11%	\$ 33,895.62
H	Bonds & Insurance	3%	\$ 9,244.26
I	Contingency	10%	\$ 30,814.20
	Subtotal Mark Ups	\$	114,012.54
	TOTAL CONSTRUCTION COST	\$	422,154.54

END OF SECTION

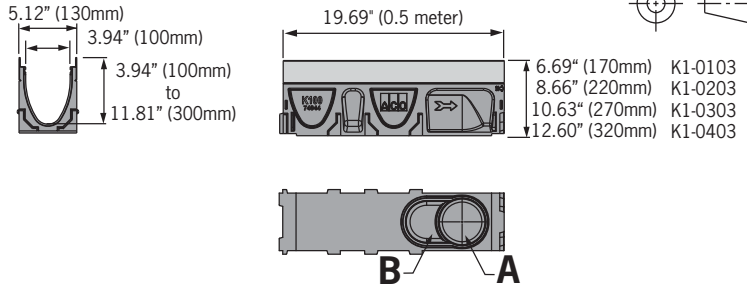
KlassikDrain - K100 Galvanized steel edge rail channel system



One meter channel

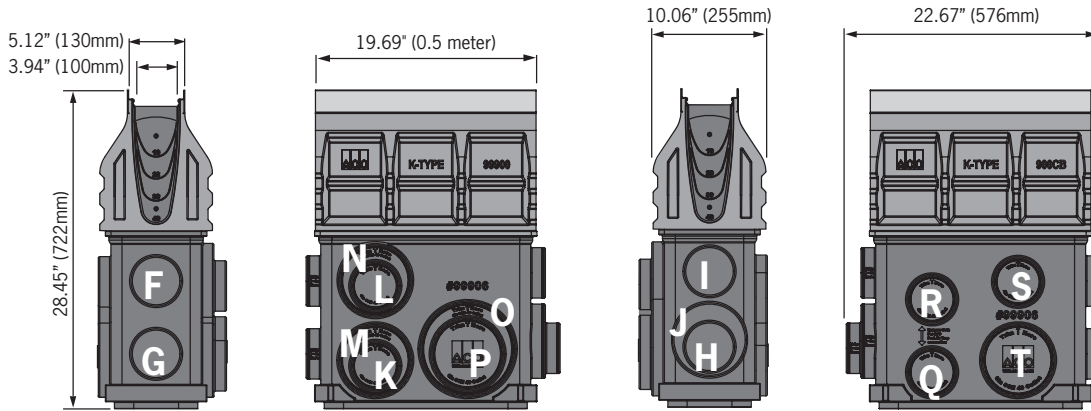


Half meter channel



Knock-outs included on every 5th channel

Type K901G In-line catch basin



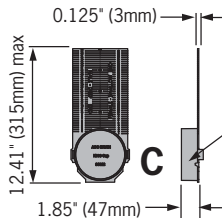
Total capacity = 10.49 gallons.

Outlet flow rates

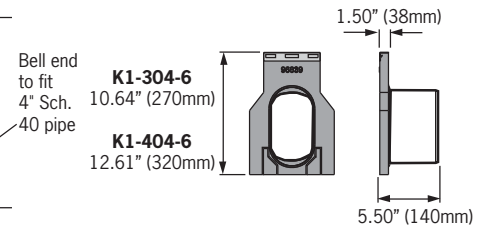
Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - K00	4" round	3.94"	108	0.24
A	Bottom outlet - K40	4" round	11.81"	187	0.42
B	Bottom outlet - K00	6" oval	3.94"	177	0.39
B	Bottom outlet - K40	6" oval	11.81"	306	0.68
C	End outlet - K20	4" round	7.87"	132	0.29
C	End outlet - K40	4" round	11.81"	171	0.38
D	K1-308-6 6" outlet cap	6" oval	9.84"	233	0.52
E	K1-408-6 6" outlet cap	6" oval	11.81"	264	0.59
F	Type K1-901G	4" round	19.30"	226	0.50
G	Type K1-901G	4" round	25.67"	265	0.59
H	Type K1-901G	4" round	25.30"	263	0.59
I	Type K1-901G	4" round	18.56"	222	0.49
J	Type K1-901G	6" round	25.85"	586	1.30
K	Type K1-901G	4" round	26.43"	269	0.60
L	Type K1-901G	4" round	19.36"	227	0.51
M	Type K1-901G	6" round	27.30"	604	1.35
N	Type K1-901G	6" round	19.99"	505	1.12
O	Type K1-901G	8" round	27.30"	1051	2.34
P	Type K1-901G	6" round	26.43"	593	1.32
Q	Type K1-901G	4" round	27.17"	273	0.61
R	Type K1-901G	4" round	20.68"	235	0.52
S	Type K1-901G	4" round	18.99"	224	0.50
T	Type K1-901G	6" round	27.17"	602	1.34

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

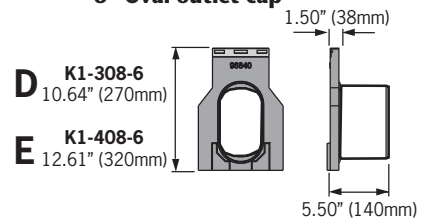
End Caps



6" Oval inlet cap



6" Oval outlet cap



ACO Specification Information

ACO DRAIN

KlassikDrain - K100 Galvanized steel edge rail channel system



ACO Specification Information

Description	Part No.	Invert Inches ²	mm ²	Weight Lbs.
K1-00 Neutral channel - 39.37" (1m)^D	74041	3.94	100	28.1
K1-1 Sloped channel - 39.37" (1m)	74001	4.13	105	28.1
K1-2 Sloped channel - 39.37" (1m)	74002	4.33	110	28.9
K1-3 Sloped channel - 39.37" (1m)	74003	4.53	115	29.7
K1-4 Sloped channel - 39.37" (1m)	74004	4.72	120	30.5
K1-5 Sloped channel - 39.37" (1m) ^D	74005	4.92	125	31.3
K1-6 Sloped channel - 39.37" (1m)	74006	5.12	130	32.1
K1-7 Sloped channel - 39.37" (1m)	74007	5.31	135	32.9
K1-8 Sloped channel - 39.37" (1m)	74008	5.51	140	33.7
K1-9 Sloped channel - 39.37" (1m)	74009	5.71	145	34.5
K1-10 Sloped channel - 39.37" (1m) ^D	74010	5.91	150	35.3
K1-010 Neutral channel - 39.37" (1m)^D	74043	5.91	150	35.3
K1-0103 Neutral channel - 19.69" (0.5m)^D	74044	5.91	150	17.0
K1-11 Sloped channel - 39.37" (1m)	74011	6.10	155	36.1
K1-12 Sloped channel - 39.37" (1m)	74012	6.30	160	36.9
K1-13 Sloped channel - 39.37" (1m)	74013	6.50	165	37.7
K1-14 Sloped channel - 39.37" (1m)	74014	6.69	170	38.5
K1-15 Sloped channel - 39.37" (1m) ^D	74015	6.89	175	39.3
K1-16 Sloped channel - 39.37" (1m)	74016	7.09	180	40.1
K1-17 Sloped channel - 39.37" (1m)	74017	7.28	185	40.9
K1-18 Sloped channel - 39.37" (1m)	74018	7.48	190	41.7
K1-19 Sloped channel - 39.37" (1m)	74019	7.68	195	42.5
K1-20 Sloped channel - 39.37" (1m) ^D	74020	7.87	200	43.4
K1-020 Neutral channel - 39.37" (1m)^D	74045	7.87	200	43.4
K1-0203 Neutral channel - 19.69" (0.5m)^D	74046	7.87	200	20.5
K1-21 Sloped channel - 39.37" (1m)	74021	8.07	205	44.2
K1-22 Sloped channel - 39.37" (1m)	74022	8.27	210	45.0
K1-23 Sloped channel - 39.37" (1m)	74023	8.46	215	45.8
K1-24 Sloped channel - 39.37" (1m)	74024	8.66	220	46.6
K1-25 Sloped channel - 39.37" (1m) ^D	74025	8.86	225	47.4
K1-26 Sloped channel - 39.37" (1m)	74026	9.06	230	48.2
K1-27 Sloped channel - 39.37" (1m)	74027	9.25	235	49.0

Description	Part No.	Invert Inches ²	mm ²	Weight Lbs.
K1-28 Sloped channel - 39.37" (1m)	74028	9.45	240	49.8
K1-29 Sloped channel - 39.37" (1m)	74029	9.65	245	50.6
K1-30 Sloped channel - 39.37" (1m) ^D	74030	9.84	250	51.4
K1-030 Neutral channel - 39.37" (1m)^D	74047	9.84	250	51.4
K1-0303 Neutral channel - 19.69" (0.5m)^D	74048	9.84	250	24.0
K1-31 Sloped channel - 39.37" (1m)	74031	10.04	255	52.2
K1-32 Sloped channel - 39.37" (1m)	74032	10.24	260	53.0
K1-33 Sloped channel - 39.37" (1m)	74033	10.43	265	53.8
K1-34 Sloped channel - 39.37" (1m)	74034	10.63	270	54.6
K1-35 Sloped channel - 39.37" (1m) ^D	74035	10.83	275	55.4
K1-36 Sloped channel - 39.37" (1m)	74036	11.02	280	56.2
K1-37 Sloped channel - 39.37" (1m)	74037	11.22	285	57.0
K1-38 Sloped channel - 39.37" (1m)	74038	11.42	290	57.9
K1-39 Sloped channel - 39.37" (1m)	74039	11.61	295	58.7
K1-40 Sloped channel - 39.37" (1m) ^D	74040	11.81	300	59.5
K1-040 Neutral channel - 39.37" (1m)^D	74049	11.81	300	59.5
K1-0403 Neutral channel - 19.69" (0.5m)^D	74050	11.81	300	27.5
K1-901G In-line catch basin - 19.69" (0.5m) ^D	94608	27.63	702	52.6
K1-621G catch basin - 19.69" (0.5m) ^D	94617	28.86	733	55.8
K1-631G catch basin - 19.69" (0.5m) ^D	94631	40.86	1038	65.8
K1-Series 600 Optional plastic riser	99902	-	-	10.0
Foul air trap - fits both 900 & 600 series basins	90854	-	-	1.2
K1-304-6 6" Inlet Cap	96839	9.84	250	5.2
K1-308-6 6" Outlet Cap	96840	9.84	250	5.0
K1-404-6 6" Inlet Cap	96834	11.81	300	6.0
K1-408-6 6" Outlet Cap	96836	11.81	300	5.8
Universal end cap	96822	11.81	300	0.4
Debris strainer for 4" bottom knockout	93488	-	-	0.2
4" Oval to 6" round outlet adapter	95140	-	-	1.1
K1-Installation device	97477	-	-	2.8
Grate removal tool	01318	-	-	0.3
K1-QuickLok locking bar	02899	-	-	0.1

Notes:

1. This channel offers a bottom knockout feature; 4" round/6" oval.
2. Inverts shown are for the male end; for female invert depth subtract 5mm (≈0.2") from the male invert (except for neutral channels, where it will be same as male invert). To calculate the overall channel depth add 20mm (≈0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

Specifications		Water absorption	0.07%	cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 3/32" (2.5mm) thick.
General The surface drainage system shall be ACO Drain K100 complete with gratings secured with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or approved equal.		Frost proof	YES	Grates Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of gratings and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.
		Salt proof	YES	
		Dilute acid and alkali resistant	YES	
		The nominal clear opening shall be 4" (100mm) with overall width of 5.12" (130mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.50" (13mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The galvanized steel edge rail will be integrally		
Materials The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows:	Compressive strength:	14,000 psi		Installation The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.
	Flexural strength:	4,000 psi		

ACO Polymer Products, Inc.

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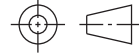


Electronic Contact:
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Type 478Q Longitudinal ductile iron grate (ADA)



Product Features

- Certified to EN 1433 Load Class E - 135,000 lbs - 2,788 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with K100, KS100, C100, H100-8, H100-10, H100K-8, H100KS-8, and NW100 channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 65-45-12
- E- coated for improved resistance against rust
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006



ACO Specification Information

Specifications

General

The surface drainage system shall be ACO Drain K100, KS100, C100, H100-8, H100-10, H100K-8, H100KS-8, and NW100 channels* complete with ACO Type 478Q longitudinal ductile iron grate with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

The covers shall be manufactured from ductile iron and have **minimum** properties as follows:

- **Independently certified to meet Load Class E to EN 1433 - 135,000 lbs - 2,788 psi**
- **Ductile iron to ASTM A 536-84 - Grade 65-45-12**
- **Intake area of 22.5 sq. in. (145.16 cm²) per half meter of grate**

The overall width of 4.85" (123.1mm) and overall length of 19.69" (500mm). Slots measure at a maximum of 0.28" (7mm).

Installation

The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

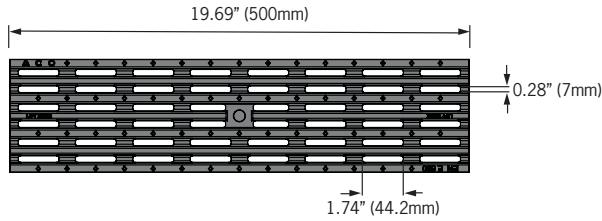
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ACO DRAIN

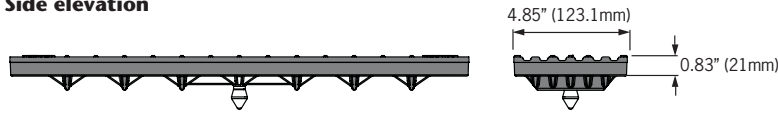
Type 478Q Longitudinal ductile iron grate (ADA)



Plan view

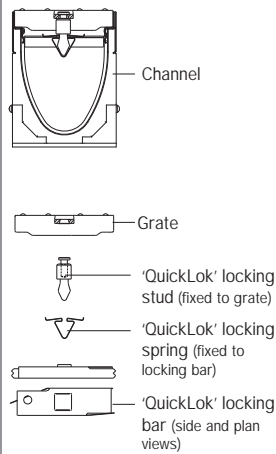


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grate				
Type 478Q Ductile iron longitudinal grate	03314	19.69 (500)	4.85 (123.1)	12.8
QuickLok locking bar	02899	-	-	0.5
QuickLok grate removal tool	01318	-	-	0.3

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

ACO Polymer Products, Inc.

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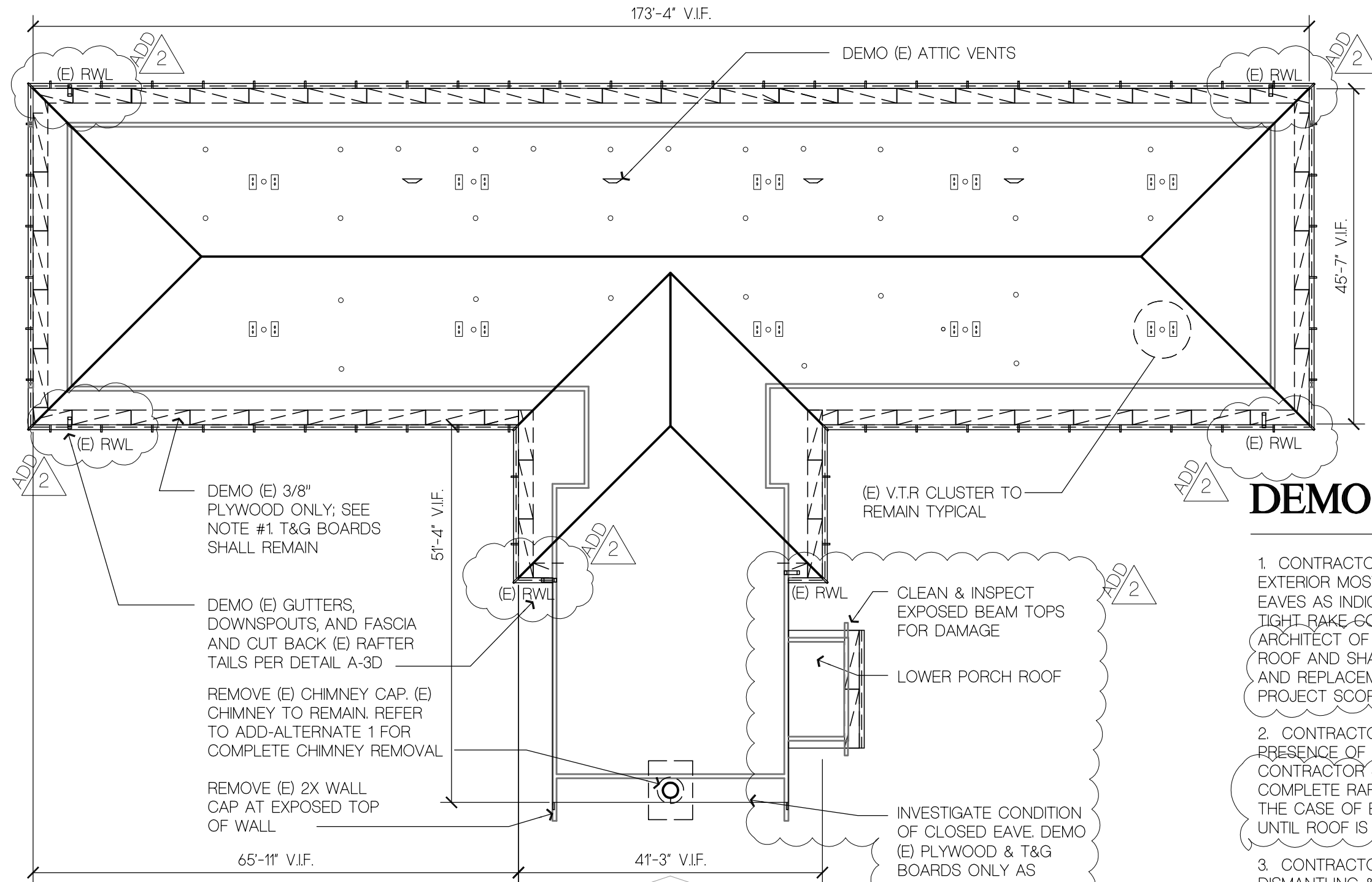
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Plot Date: March 27, 2015 - 5:19 pm
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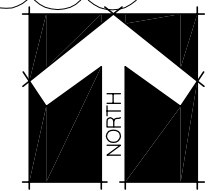
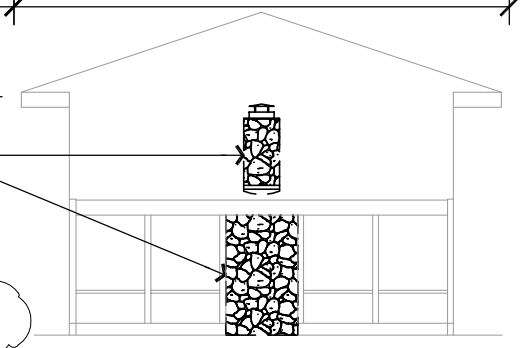


DEMO NOTES

1. CONTRACTOR SHALL REMOVE & REPLACE PERIMETER EXTERIOR MOST 2 FEET OF THE PLYWOOD SHEATHING ALONG EAVES AS INDICATED (SHOWN DASHED). NOT REQUIRED AT TIGHT RAKE CONDITION. CONTRACTOR SHALL INFORM ARCHITECT OF PRESENCE OF DAMAGE WITHIN THE BODY OF ROOF AND SHALL PROVIDE A COST ASSOCIATED W/ REMOVAL AND REPLACEMENT WHEN OUTSIDE OF THE INTENDED PROJECT SCOPE OF 2'-0" PERIMETER
2. CONTRACTOR SHALL INFORM ARCHITECT OF THE PRESENCE OF ANY DAMAGED FRAMING WHERE OCCURS. CONTRACTOR SHALL PROVIDE COST ASSOCIATED WITH COMPLETE RAFTER AND T&G REMOVAL AND REPLACEMENT IN THE CASE OF EXTENSIVE ROT DAMAGE NOT READILY VISIBLE UNTIL ROOF IS REMOVED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISMANTLING & DISCONNECTION OF ANY MECHANICAL, ELECTRICAL, & COMMUNICATION EQUIPMENT, CONDUIT, & PIPING AS REQUIRED FOR INSTALLATION OF NEW ROOF

ADD-ALTERNATE 1

1. COMPLETE REMOVAL OF STONE FIREPLAGE & CHIMNEY
2. ADD ALTERNATE APPLIES TO BOTH RESIDENCE HALL BLDGS - 'MENDOCINO' & 'DEL NORTE'



DEMOLITION PLAN

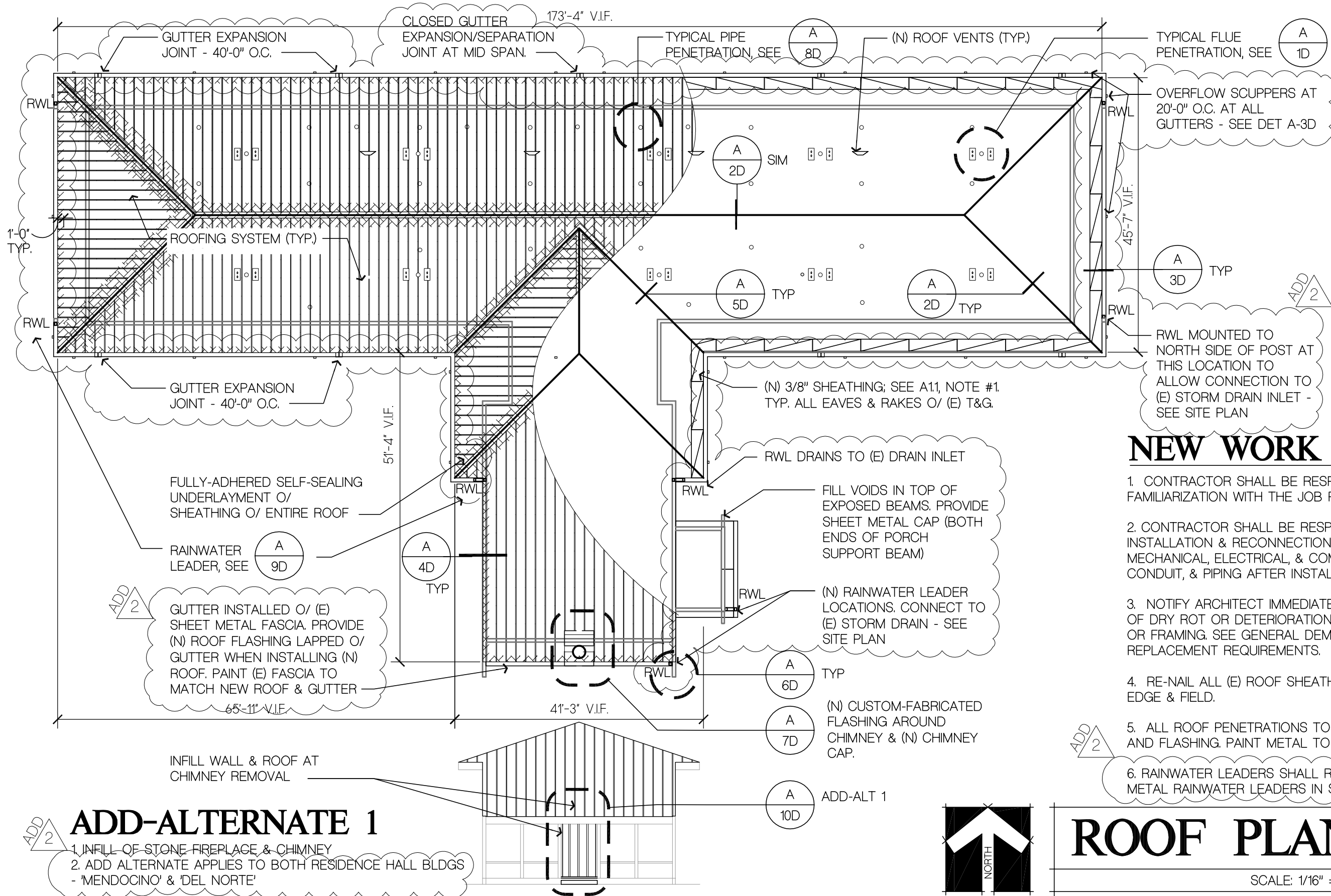
SCALE: 1/16" = 1'-0"

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ADDENDUM TWO (Rev. A1.1)
RESIDENCE HALL 'MENDOCINO' REROOF
COLLEGE OF THE REDWOODS - EUREKA CAMPUS

AD2	DR. WT
A1.1	DT. 03/27/15
	SC. AS NOTED
	NO. 10-2529.00

Plot Date: March 27, 2015 - 5:19 pm
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NEW WORK NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZATION WITH THE JOB PRIOR TO BIDDING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION & RECONNECTION TO WORKING ORDER ALL MECHANICAL, ELECTRICAL, & COMMUNICATION EQUIPMENT, CONDUIT, & PIPING AFTER INSTALLATION OF NEW ROOF.
3. NOTIFY ARCHITECT IMMEDIATELY UPON THE DISCOVERY OF DRY ROT OR DETERIORATION OF THE ROOF SHEATHING OR FRAMING. SEE GENERAL DEMO NOTES, SHEET A1.1 FOR REPLACEMENT REQUIREMENTS.
4. RE-NAIL ALL (E) ROOF SHEATHING W/ 10d @ 4" O.C. @ EDGE & FIELD.
5. ALL ROOF PENETRATIONS TO RECEIVE NEW BOOT/JACK AND FLASHING. PAINT METAL TO MATCH ROOF.
6. RAINWATER LEADERS SHALL REPLACE CURRENT PVC & METAL RAINWATER LEADERS IN SAME LOCATIONS - U.O.N.

ADD-ALTERNATE 1

1. INFILL OF STONE FIREPLACE & CHIMNEY
2. ADD ALTERNATE APPLIES TO BOTH RESIDENCE HALL BLDGS - 'MENDOCINO' & 'DEL NORTE'

ADD 2

ROOF PLAN

SCALE: 1/16" = 1'-0"

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ADDENDUM TWO (Rev. A1.2)
RESIDENCE HALL 'MENDOCINO' REROOF
COLLEGE OF THE REDWOODS - EUREKA CAMPUS

AD2	DR. WT
A1.2	DT. 03/27/15
	SC. AS NOTED
	NO. 10-2529.00

METAL ROOFING
 SELF-ADHERED UNDERLAYMENT O/
 ENTIRE ROOF

(E) T&G SHEATHING

REPLACE 3/8" PLYWOOD
 PER DEMO ROOF PLAN

LOCATE CLIP BACK MAX. 12"

OFFSET CLEAT. APPLY CONT.
 SEALANT BETWEEN FLASHING
 AND CLEAT. FASTEN THROUGH
 POINT OF SEALANT @ 12" O.C. NOT
 MORE THAN 2" UPHILL FROM EAVE

MODIFY PANEL TO HOOK AROUND
 OFFSET CLEAT ALLOWING FOR
 EXPANSION AND CONTRACTION

GUTTER STRAP @ 36" O.C. MAX.
 FASTEN EACH STRAP TO GUTTER

2-1/2"H x 5-1/2"W x 2-1/2"D
 OVERFLOW SCUPPER AT 20'-0" O.C.
 SEE ROOF PLAN. SET BOTTOM
 EDGE OF SCUPPER ABOVE MIDLINE
 OF GUTTER (3" MIN)

6"x6" CONTINUOUS FASCIA
 GUTTER - ALLOW FOR
 EXPANSION AND CONTRACTION
 PER SMACNA STANDARDS.
 REFER TO ROOF PLAN FOR
 EXPANSION JOINT LOCATIONS

DEMO (E) RAFTER TAIL & GUTTER TO DEPTH
 INDICATED. INSPECT REMAINING RAFTER
 FOR DAMAGE. WHERE SURFACE ROT
 OCCURS (NO GREATER THAN 20% OF BEAM
 DEPTH ON ANY SIDE), REMOVE ROT TO
 SOUND WOOD AND ADD EPOXY FILLER TO
 RE-SHAPE BEAM. ADD PRIMER/SEALER AND
 2 COATS OF FINISH PAINT TO MATCH
 EXISTING.
 FOR EXTENSIVE DAMGE, PROVIDE OPTION
 FOR BEAM REPLACEMENT - SEE SHEET A1.1.

6" x 4" HSS STL RWL
 W/ (1) 1/4" x 1" S.S. S.T.S EA
 SIDE OF RWL TO GUTTER
 OUTLET. SEE 9/D FOR RWL
 CONTINUATION & ANCHORAGE

(E) RAFTER TAIL.
 PAINT CUT ENDS
 (N) PRESSURE
 TREATED 2X6 FASCIA
 DEMO (E) FASCIA
 WRAP
 UNDERLAYMENT
 DOWN FASCIA
 1X8 AZEK TRIM. PAINT
 1X2 AZEK TRIM. PAINT

15" FIELD VERIFY

ADD 2

Plot Date: March 30, 2015 - 2:49 pm
 File Name: N:\Projects\2000\Education\10-2529.00 COR Mendocino Hall Re-Roof\0-0 CAD Files\Construct\3-D_Eave.dwg

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ADD2_EAVE DETAIL
MENDOCINO HALL RE-ROOF
COLLEGE OF THE REDWOODS

AD2
3D

DR. BPL
DT. 12/15/14
SC. 1"=1'-0"
NO. 10-2529.00

3/8" x 4" LAG BOLTS -
(2) PER BRACKET

1/4" x 1" S.S. S.T.S. -
(2) PER BRACKET

6" X 4" RAIN WATER
LEADER PIPE

AT BLDG WALL

AT GUARDRAIL CAP

AT WALKWAY SUPPORT
POST

SECTION A-A

SPACING SET AS NEEDED TO
VERTICALLY ALIGN RWL FROM
GUTTER TO GRADE ALONG EDGE
OF POST

(E) GUARDRAIL WOOD CAP AT
UPPER WALKWAY

1/8" 'U'-BRACKET W/ 3/8" x 4" LAG
BOLTS - (2) PER BRACKET INTO
(E) STUDS, RAIL CAP, OR POST

6" X 4" HSS RAIN WATER LEADER

BRACKET SHOWN AT POST (BLDG WALL - SHOWN
DASHED)

RWL CONNECTED TO TIGHTLINE COLLECTOR PIPING
W/ TRANSITION ADAPTER

GRADE OR HARD SURFACE. PROVIDE SAW CUT REMOVAL OF HARD
SURFACE FOR TRENCHING. WHERE CONCRETE CAN BE REMOVED AT
AN EXISTING JOINT, SAW CUT SHALL OCCUR AT JOINT. NEW SURFACE
SHALL BE FLUSH W/ EXISTING AND SHALL MAINTAIN EXISTING SLOPES

V.I.F.

8" DIA PRECAST CONCRETE
TRANSITION BOX & LID

CONNECT TO
STORM DRAIN

6" DIA STORM DRAIN PIPING - SEE
SHEET A10 FOR CONTINUATION

FOOTING WHERE OCCURS - VERIFY
DEPTH AND LOCATIONS

ADD
2

Plot Date: March 27, 2015 - 4:44 pm
File Name: N:\Projects\2000\Education\10-2529\00 COR Mendocino Hall Re-Roof\0-CAD Files\Constructs\9-D_Downspout.dwg

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ADD2_RAIN WATER LDR

MENDOCINO HALL REROOF
COLLEGE OF THE REDWOODS

AD2

9D

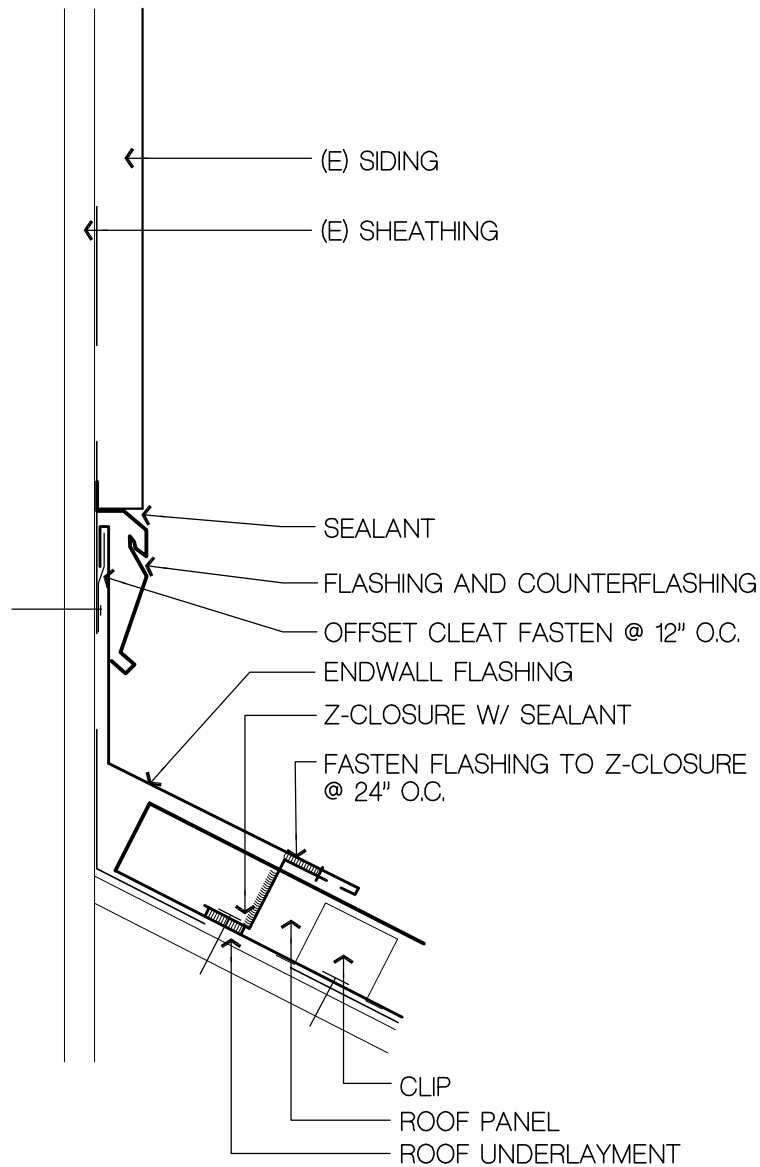
DR. WT

DT. 12/15/14

SC. 1"=1'-0"

NO. 10-2529.00

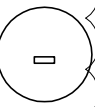
ADD
2



10-2529

ROOF TO WALL AT PORCH

SCALE: 3" = 1'-0"



Plot Date: March 27, 2015 - 4:43 pm
File Name: N:\Projects\2000\Education\10-2529\00 COR Mendocino Hall Re-Roof\0-0 CAD Files\Constructs\11D_METAL ROOF-TO-WALL.dwg

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ADD2 - ROOF TO WALL

MENDOCINO HALL REROOF
COLLEGE OF THE REDWOODS

AD2

11D

DR. WT
DT. 03/27/14
SC. 1"=1'-0"
NO. 10-2529.00